

# Appendix for Band 38

Report No.: BCTC2504944206-10E

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Applicant: Shenzhen Huafurui Technology Co., Ltd.

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Product Name: Smartphone

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Test Model: KINGKONG ES 3

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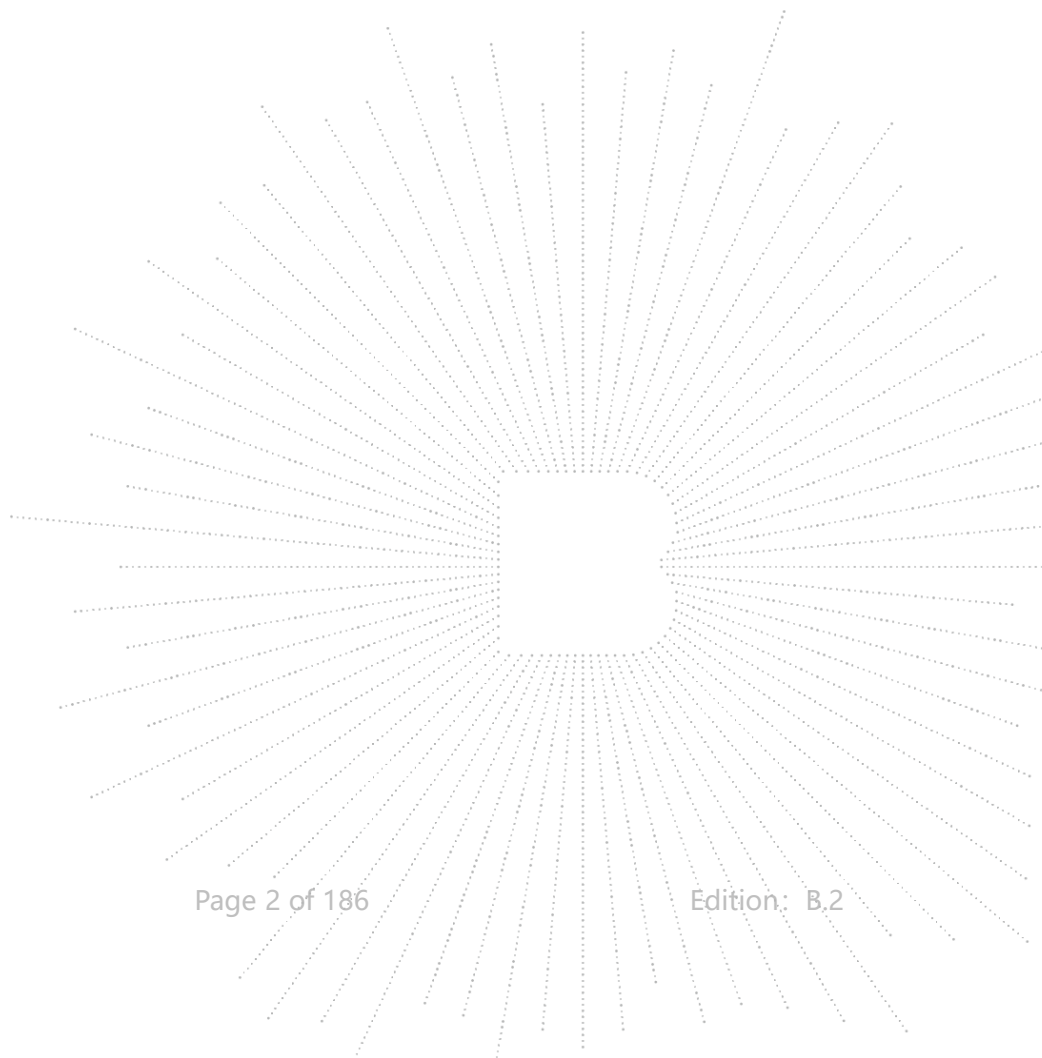
Tested Date: 2025-04-09 to 2025-05-26

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**Shenzhen BCTC Testing Co., Ltd.**

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## Appendix 1. Transmitter maximum output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Low Limit (dBm)	high Limit (dBm)	Verdict
Band38	5	37775	1	#0	QPSK	23.12	20.3	25.7	PASS
Band38	5	37775	1	#Max	QPSK	23.11	20.3	25.7	PASS
Band38	5	37775	8	#0	QPSK	23.17	20.3	25.7	PASS
Band38	5	37775	8	#Max	QPSK	23.12	20.3	25.7	PASS
Band38	5	38000	1	#0	QPSK	23.08	20.3	25.7	PASS
Band38	5	38000	1	#Max	QPSK	23.15	20.3	25.7	PASS
Band38	5	38000	8	#0	QPSK	23.17	20.3	25.7	PASS
Band38	5	38000	8	#Max	QPSK	23.24	20.3	25.7	PASS
Band38	5	38225	1	#0	QPSK	23.20	20.3	25.7	PASS
Band38	5	38225	1	#Max	QPSK	23.17	20.3	25.7	PASS
Band38	5	38225	8	#0	QPSK	23.24	20.3	25.7	PASS
Band38	5	38225	8	#Max	QPSK	23.22	20.3	25.7	PASS
Band38	20	37850	1	#0	QPSK	23.07	20.3	25.7	PASS
Band38	20	37850	1	#Max	QPSK	23.10	20.3	25.7	PASS
Band38	20	37850	18	#0	QPSK	23.09	20.3	25.7	PASS
Band38	20	37850	18	#Max	QPSK	23.10	20.3	25.7	PASS
Band38	20	38000	1	#0	QPSK	23.07	20.3	25.7	PASS
Band38	20	38000	1	#Max	QPSK	23.29	20.3	25.7	PASS
Band38	20	38000	18	#0	QPSK	23.10	20.3	25.7	PASS
Band38	20	38000	18	#Max	QPSK	23.27	20.3	25.7	PASS
Band38	20	38150	1	#0	QPSK	23.21	20.3	25.7	PASS
Band38	20	38150	1	#Max	QPSK	23.20	20.3	25.7	PASS
Band38	20	38150	18	#0	QPSK	23.26	20.3	25.7	PASS
Band38	20	38150	18	#Max	QPSK	23.22	20.3	25.7	PASS

## Appendix 2. Transmitter spectrum emission mask

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Offset (MHz)	SEM Margin (dB)	Verdict
Band38	5	37775	8	#0	QPSK	-2.515	17.48	PASS
Band38	5	37775	8	#0	QPSK	-4	18.58	PASS
Band38	5	37775	8	#0	QPSK	-8	23.49	PASS
Band38	5	37775	8	#0	QPSK	-9	12.21	PASS
Band38	5	37775	8	#0	QPSK	3.485	31.52	PASS
Band38	5	37775	8	#0	QPSK	4.5	21.33	PASS
Band38	5	37775	8	#0	QPSK	8	24.60	PASS
Band38	5	37775	8	#0	QPSK	9	12.98	PASS
Band38	5	37775	8	#Max	QPSK	-3	31.60	PASS
Band38	5	37775	8	#Max	QPSK	-4.68	21.92	PASS
Band38	5	37775	8	#Max	QPSK	-8	24.36	PASS
Band38	5	37775	8	#Max	QPSK	-9	12.77	PASS
Band38	5	37775	8	#Max	QPSK	2.515	16.10	PASS
Band38	5	37775	8	#Max	QPSK	4	18.52	PASS
Band38	5	37775	8	#Max	QPSK	8	23.50	PASS
Band38	5	37775	8	#Max	QPSK	9	12.40	PASS
Band38	5	37775	25	#0	QPSK	-2.55	25.70	PASS
Band38	5	37775	25	#0	QPSK	-4	20.40	PASS
Band38	5	37775	25	#0	QPSK	-8	21.80	PASS
Band38	5	37775	25	#0	QPSK	-9	10.42	PASS
Band38	5	37775	25	#0	QPSK	2.515	23.69	PASS
Band38	5	37775	25	#0	QPSK	5.04	20.05	PASS
Band38	5	37775	25	#0	QPSK	8	21.77	PASS
Band38	5	37775	25	#0	QPSK	9	10.12	PASS
Band38	5	37775	8	#0	16QAM	-2.515	16.74	PASS
Band38	5	37775	8	#0	16QAM	-4	20.00	PASS
Band38	5	37775	8	#0	16QAM	-8	23.77	PASS
Band38	5	37775	8	#0	16QAM	-9	12.38	PASS
Band38	5	37775	8	#0	16QAM	2.565	33.23	PASS
Band38	5	37775	8	#0	16QAM	4.59	22.63	PASS
Band38	5	37775	8	#0	16QAM	8	24.68	PASS
Band38	5	37775	8	#0	16QAM	9	13.11	PASS
Band38	5	37775	8	#Max	16QAM	-3	32.80	PASS
Band38	5	37775	8	#Max	16QAM	-4.32	23.11	PASS
Band38	5	37775	8	#Max	16QAM	-8	24.60	PASS
Band38	5	37775	8	#Max	16QAM	-11.79	12.74	PASS
Band38	5	37775	8	#Max	16QAM	2.515	19.34	PASS
Band38	5	37775	8	#Max	16QAM	4	19.86	PASS

Band38	5	37775	8	#Max	16QAM	8	23.91	PASS
Band38	5	37775	8	#Max	16QAM	9	12.51	PASS
Band38	5	37775	25	#0	16QAM	-2.515	24.12	PASS
Band38	5	37775	25	#0	16QAM	-4	20.24	PASS
Band38	5	37775	25	#0	16QAM	-8	22.10	PASS
Band38	5	37775	25	#0	16QAM	-9	10.90	PASS
Band38	5	37775	25	#0	16QAM	2.515	24.75	PASS
Band38	5	37775	25	#0	16QAM	4	20.01	PASS
Band38	5	37775	25	#0	16QAM	8	22.04	PASS
Band38	5	37775	25	#0	16QAM	9	11.09	PASS
Band38	5	38000	8	#0	QPSK	-2.515	19.23	PASS
Band38	5	38000	8	#0	QPSK	-4	17.12	PASS
Band38	5	38000	8	#0	QPSK	-8	23.49	PASS
Band38	5	38000	8	#0	QPSK	-9	12.11	PASS
Band38	5	38000	8	#0	QPSK	3.045	31.75	PASS
Band38	5	38000	8	#0	QPSK	4.59	21.26	PASS
Band38	5	38000	8	#0	QPSK	8	24.44	PASS
Band38	5	38000	8	#0	QPSK	9	12.95	PASS
Band38	5	38000	8	#Max	QPSK	-3.195	31.64	PASS
Band38	5	38000	8	#Max	QPSK	-4.41	21.62	PASS
Band38	5	38000	8	#Max	QPSK	-8	24.31	PASS
Band38	5	38000	8	#Max	QPSK	-10.89	12.67	PASS
Band38	5	38000	8	#Max	QPSK	2.515	17.00	PASS
Band38	5	38000	8	#Max	QPSK	4	17.33	PASS
Band38	5	38000	8	#Max	QPSK	8	23.57	PASS
Band38	5	38000	8	#Max	QPSK	9	12.47	PASS
Band38	5	38000	25	#0	QPSK	-2.515	24.06	PASS
Band38	5	38000	25	#0	QPSK	-4	19.53	PASS
Band38	5	38000	25	#0	QPSK	-8	21.50	PASS
Band38	5	38000	25	#0	QPSK	-9.09	10.02	PASS
Band38	5	38000	25	#0	QPSK	2.515	23.87	PASS
Band38	5	38000	25	#0	QPSK	5.04	19.48	PASS
Band38	5	38000	25	#0	QPSK	8	21.33	PASS
Band38	5	38000	25	#0	QPSK	9	9.97	PASS
Band38	5	38000	8	#0	16QAM	-2.515	18.62	PASS
Band38	5	38000	8	#0	16QAM	-4	18.68	PASS
Band38	5	38000	8	#0	16QAM	-8	23.68	PASS
Band38	5	38000	8	#0	16QAM	-9	12.32	PASS
Band38	5	38000	8	#0	16QAM	3.405	32.14	PASS
Band38	5	38000	8	#0	16QAM	4.68	22.31	PASS
Band38	5	38000	8	#0	16QAM	8	24.76	PASS
Band38	5	38000	8	#0	16QAM	9	13.03	PASS

Band38	5	38000	8	#Max	16QAM	-3	32.71	PASS
Band38	5	38000	8	#Max	16QAM	-4.41	22.59	PASS
Band38	5	38000	8	#Max	16QAM	-8	24.40	PASS
Band38	5	38000	8	#Max	16QAM	-11.79	12.63	PASS
Band38	5	38000	8	#Max	16QAM	2.515	19.07	PASS
Band38	5	38000	8	#Max	16QAM	4	18.96	PASS
Band38	5	38000	8	#Max	16QAM	8	23.72	PASS
Band38	5	38000	8	#Max	16QAM	9	12.48	PASS
Band38	5	38000	25	#0	16QAM	-2.515	22.77	PASS
Band38	5	38000	25	#0	16QAM	-4	19.23	PASS
Band38	5	38000	25	#0	16QAM	-8	21.58	PASS
Band38	5	38000	25	#0	16QAM	-9	10.65	PASS
Band38	5	38000	25	#0	16QAM	2.535	24.62	PASS
Band38	5	38000	25	#0	16QAM	4	18.83	PASS
Band38	5	38000	25	#0	16QAM	8	21.54	PASS
Band38	5	38000	25	#0	16QAM	9	10.45	PASS
Band38	5	38225	8	#0	QPSK	-2.515	14.36	PASS
Band38	5	38225	8	#0	QPSK	-4	14.52	PASS
Band38	5	38225	8	#0	QPSK	-8	23.07	PASS
Band38	5	38225	8	#0	QPSK	-9	11.87	PASS
Band38	5	38225	8	#0	QPSK	3.075	31.21	PASS
Band38	5	38225	8	#0	QPSK	4.59	20.70	PASS
Band38	5	38225	8	#0	QPSK	8	24.43	PASS
Band38	5	38225	8	#0	QPSK	9	12.94	PASS
Band38	5	38225	8	#Max	QPSK	-3.21	31.37	PASS
Band38	5	38225	8	#Max	QPSK	-4.32	21.11	PASS
Band38	5	38225	8	#Max	QPSK	-8	24.21	PASS
Band38	5	38225	8	#Max	QPSK	-11.52	12.60	PASS
Band38	5	38225	8	#Max	QPSK	2.515	14.36	PASS
Band38	5	38225	8	#Max	QPSK	4	15.07	PASS
Band38	5	38225	8	#Max	QPSK	8	23.24	PASS
Band38	5	38225	8	#Max	QPSK	9	12.01	PASS
Band38	5	38225	25	#0	QPSK	-2.515	24.30	PASS
Band38	5	38225	25	#0	QPSK	-6.21	18.93	PASS
Band38	5	38225	25	#0	QPSK	-8	20.97	PASS
Band38	5	38225	25	#0	QPSK	-9.09	9.44	PASS
Band38	5	38225	25	#0	QPSK	2.515	23.06	PASS
Band38	5	38225	25	#0	QPSK	4	18.44	PASS
Band38	5	38225	25	#0	QPSK	8	20.53	PASS
Band38	5	38225	25	#0	QPSK	9	9.27	PASS
Band38	5	38225	8	#0	16QAM	-2.515	19.01	PASS
Band38	5	38225	8	#0	16QAM	-4	17.84	PASS

Band38	5	38225	8	#0	16QAM	-8	23.82	PASS
Band38	5	38225	8	#0	16QAM	-9	12.30	PASS
Band38	5	38225	8	#0	16QAM	3.315	32.46	PASS
Band38	5	38225	8	#0	16QAM	4.86	22.23	PASS
Band38	5	38225	8	#0	16QAM	8	24.59	PASS
Band38	5	38225	8	#0	16QAM	9	12.92	PASS
Band38	5	38225	8	#Max	16QAM	-3	32.65	PASS
Band38	5	38225	8	#Max	16QAM	-4.41	22.34	PASS
Band38	5	38225	8	#Max	16QAM	-8	24.23	PASS
Band38	5	38225	8	#Max	16QAM	-9	12.64	PASS
Band38	5	38225	8	#Max	16QAM	2.515	17.87	PASS
Band38	5	38225	8	#Max	16QAM	4	18.01	PASS
Band38	5	38225	8	#Max	16QAM	8	23.81	PASS
Band38	5	38225	8	#Max	16QAM	9	12.48	PASS
Band38	5	38225	25	#0	16QAM	-2.515	25.26	PASS
Band38	5	38225	25	#0	16QAM	-4	18.69	PASS
Band38	5	38225	25	#0	16QAM	-8	21.13	PASS
Band38	5	38225	25	#0	16QAM	-9	10.22	PASS
Band38	5	38225	25	#0	16QAM	2.515	24.35	PASS
Band38	5	38225	25	#0	16QAM	4	17.96	PASS
Band38	5	38225	25	#0	16QAM	8	21.04	PASS
Band38	5	38225	25	#0	16QAM	9	10.13	PASS
Band38	10	37800	12	#0	QPSK	-5.015	18.71	PASS
Band38	10	37800	12	#0	QPSK	-6.5	17.52	PASS
Band38	10	37800	12	#0	QPSK	-10.5	22.93	PASS
Band38	10	37800	12	#0	QPSK	-19.5	11.75	PASS
Band38	10	37800	12	#0	QPSK	5.015	32.20	PASS
Band38	10	37800	12	#0	QPSK	9.5	22.69	PASS
Band38	10	37800	12	#0	QPSK	10.5	18.98	PASS
Band38	10	37800	12	#0	QPSK	17.82	13.03	PASS
Band38	10	37800	12	#Max	QPSK	-5.16	31.92	PASS
Band38	10	37800	12	#Max	QPSK	-9.5	24.00	PASS
Band38	10	37800	12	#Max	QPSK	-10.5	20.47	PASS
Band38	10	37800	12	#Max	QPSK	-19.5	11.81	PASS
Band38	10	37800	12	#Max	QPSK	5.025	17.24	PASS
Band38	10	37800	12	#Max	QPSK	6.5	17.22	PASS
Band38	10	37800	12	#Max	QPSK	10.5	23.12	PASS
Band38	10	37800	12	#Max	QPSK	17.28	12.79	PASS
Band38	10	37800	50	#0	QPSK	-5.1	26.42	PASS
Band38	10	37800	50	#0	QPSK	-6.5	22.20	PASS
Band38	10	37800	50	#0	QPSK	-10.62	20.44	PASS
Band38	10	37800	50	#0	QPSK	-19.5	10.89	PASS



Band38	10	37800	50	#0	QPSK	5.015	23.96	PASS
Band38	10	37800	50	#0	QPSK	6.5	21.11	PASS
Band38	10	37800	50	#0	QPSK	10.71	19.13	PASS
Band38	10	37800	50	#0	QPSK	16.29	11.34	PASS
Band38	10	37800	12	#0	16QAM	-5.04	20.35	PASS
Band38	10	37800	12	#0	16QAM	-6.5	19.71	PASS
Band38	10	37800	12	#0	16QAM	-10.5	23.46	PASS
Band38	10	37800	12	#0	16QAM	-19.5	11.71	PASS
Band38	10	37800	12	#0	16QAM	5.1	32.55	PASS
Band38	10	37800	12	#0	16QAM	9.5	23.78	PASS
Band38	10	37800	12	#0	16QAM	10.5	20.16	PASS
Band38	10	37800	12	#0	16QAM	19.26	13.05	PASS
Band38	10	37800	12	#Max	16QAM	-5.58	32.33	PASS
Band38	10	37800	12	#Max	16QAM	-9.5	24.75	PASS
Band38	10	37800	12	#Max	16QAM	-10.5	21.35	PASS
Band38	10	37800	12	#Max	16QAM	-19.5	11.74	PASS
Band38	10	37800	12	#Max	16QAM	5.015	19.67	PASS
Band38	10	37800	12	#Max	16QAM	6.5	19.28	PASS
Band38	10	37800	12	#Max	16QAM	10.5	23.55	PASS
Band38	10	37800	12	#Max	16QAM	16.11	12.79	PASS
Band38	10	37800	50	#0	16QAM	-5.015	24.86	PASS
Band38	10	37800	50	#0	16QAM	-6.5	23.12	PASS
Band38	10	37800	50	#0	16QAM	-10.5	21.50	PASS
Band38	10	37800	50	#0	16QAM	-19.5	11.33	PASS
Band38	10	37800	50	#0	16QAM	5.015	25.87	PASS
Band38	10	37800	50	#0	16QAM	6.5	21.95	PASS
Band38	10	37800	50	#0	16QAM	10.5	20.47	PASS
Band38	10	37800	50	#0	16QAM	15.5	11.39	PASS
Band38	10	38000	12	#0	QPSK	-5.015	17.38	PASS
Band38	10	38000	12	#0	QPSK	-6.5	16.30	PASS
Band38	10	38000	12	#0	QPSK	-10.5	22.88	PASS
Band38	10	38000	12	#0	QPSK	-19.5	11.47	PASS
Band38	10	38000	12	#0	QPSK	5.085	31.92	PASS
Band38	10	38000	12	#0	QPSK	9.5	23.16	PASS
Band38	10	38000	12	#0	QPSK	10.5	19.28	PASS
Band38	10	38000	12	#0	QPSK	16.47	13.02	PASS
Band38	10	38000	12	#Max	QPSK	-5.055	32.07	PASS
Band38	10	38000	12	#Max	QPSK	-9.5	23.77	PASS
Band38	10	38000	12	#Max	QPSK	-10.5	20.30	PASS
Band38	10	38000	12	#Max	QPSK	-19.5	11.73	PASS
Band38	10	38000	12	#Max	QPSK	5.015	18.06	PASS
Band38	10	38000	12	#Max	QPSK	6.5	16.19	PASS



Band38	10	38000	12	#Max	QPSK	10.5	22.98	PASS
Band38	10	38000	12	#Max	QPSK	15.84	12.57	PASS
Band38	10	38000	50	#0	QPSK	-5.04	25.48	PASS
Band38	10	38000	50	#0	QPSK	-6.5	21.74	PASS
Band38	10	38000	50	#0	QPSK	-10.71	19.71	PASS
Band38	10	38000	50	#0	QPSK	-19.5	10.62	PASS
Band38	10	38000	50	#0	QPSK	5.015	25.75	PASS
Band38	10	38000	50	#0	QPSK	6.5	20.88	PASS
Band38	10	38000	50	#0	QPSK	10.8	18.78	PASS
Band38	10	38000	50	#0	QPSK	16.29	11.00	PASS
Band38	10	38000	12	#0	16QAM	-5.015	17.66	PASS
Band38	10	38000	12	#0	16QAM	-6.5	18.49	PASS
Band38	10	38000	12	#0	16QAM	-10.5	23.18	PASS
Band38	10	38000	12	#0	16QAM	-19.5	11.68	PASS
Band38	10	38000	12	#0	16QAM	5.625	32.66	PASS
Band38	10	38000	12	#0	16QAM	9.5	23.75	PASS
Band38	10	38000	12	#0	16QAM	10.5	20.40	PASS
Band38	10	38000	12	#0	16QAM	15.84	13.04	PASS
Band38	10	38000	12	#Max	16QAM	-5.43	31.95	PASS
Band38	10	38000	12	#Max	16QAM	-9.5	24.48	PASS
Band38	10	38000	12	#Max	16QAM	-10.62	21.25	PASS
Band38	10	38000	12	#Max	16QAM	-19.5	11.65	PASS
Band38	10	38000	12	#Max	16QAM	5.015	17.88	PASS
Band38	10	38000	12	#Max	16QAM	6.5	18.03	PASS
Band38	10	38000	12	#Max	16QAM	10.5	23.52	PASS
Band38	10	38000	12	#Max	16QAM	15.5	12.77	PASS
Band38	10	38000	50	#0	16QAM	-5.1	26.27	PASS
Band38	10	38000	50	#0	16QAM	-6.5	21.92	PASS
Band38	10	38000	50	#0	16QAM	-10.71	20.89	PASS
Band38	10	38000	50	#0	16QAM	-16.56	11.16	PASS
Band38	10	38000	50	#0	16QAM	5.145	25.59	PASS
Band38	10	38000	50	#0	16QAM	6.5	21.08	PASS
Band38	10	38000	50	#0	16QAM	10.5	20.23	PASS
Band38	10	38000	50	#0	16QAM	15.57	11.30	PASS
Band38	10	38200	12	#0	QPSK	-5.025	15.89	PASS
Band38	10	38200	12	#0	QPSK	-6.5	15.16	PASS
Band38	10	38200	12	#0	QPSK	-10.5	22.71	PASS
Band38	10	38200	12	#0	QPSK	-19.5	11.59	PASS
Band38	10	38200	12	#0	QPSK	5.025	32.13	PASS
Band38	10	38200	12	#0	QPSK	9.5	22.68	PASS
Band38	10	38200	12	#0	QPSK	10.5	18.98	PASS
Band38	10	38200	12	#0	QPSK	17.64	13.01	PASS

Band38	10	38200	12	#Max	QPSK	-5.1	31.60	PASS
Band38	10	38200	12	#Max	QPSK	-9.5	23.52	PASS
Band38	10	38200	12	#Max	QPSK	-10.5	20.28	PASS
Band38	10	38200	12	#Max	QPSK	-19.5	11.59	PASS
Band38	10	38200	12	#Max	QPSK	5.07	16.79	PASS
Band38	10	38200	12	#Max	QPSK	6.5	15.36	PASS
Band38	10	38200	12	#Max	QPSK	10.5	22.98	PASS
Band38	10	38200	12	#Max	QPSK	16.29	12.49	PASS
Band38	10	38200	50	#0	QPSK	-5.015	25.52	PASS
Band38	10	38200	50	#0	QPSK	-6.5	21.23	PASS
Band38	10	38200	50	#0	QPSK	-11.97	18.95	PASS
Band38	10	38200	50	#0	QPSK	-18.81	10.43	PASS
Band38	10	38200	50	#0	QPSK	5.055	24.36	PASS
Band38	10	38200	50	#0	QPSK	6.5	20.37	PASS
Band38	10	38200	50	#0	QPSK	11.61	18.20	PASS
Band38	10	38200	50	#0	QPSK	16.29	10.88	PASS
Band38	10	38200	12	#0	16QAM	-5.015	18.60	PASS
Band38	10	38200	12	#0	16QAM	-6.5	17.38	PASS
Band38	10	38200	12	#0	16QAM	-10.5	23.21	PASS
Band38	10	38200	12	#0	16QAM	-19.5	11.66	PASS
Band38	10	38200	12	#0	16QAM	5.49	32.51	PASS
Band38	10	38200	12	#0	16QAM	9.5	23.68	PASS
Band38	10	38200	12	#0	16QAM	10.5	20.29	PASS
Band38	10	38200	12	#0	16QAM	18.63	12.88	PASS
Band38	10	38200	12	#Max	16QAM	-5.1	31.97	PASS
Band38	10	38200	12	#Max	16QAM	-9.5	24.57	PASS
Band38	10	38200	12	#Max	16QAM	-10.5	21.16	PASS
Band38	10	38200	12	#Max	16QAM	-19.5	11.70	PASS
Band38	10	38200	12	#Max	16QAM	5.015	18.08	PASS
Band38	10	38200	12	#Max	16QAM	6.5	17.76	PASS
Band38	10	38200	12	#Max	16QAM	10.5	23.48	PASS
Band38	10	38200	12	#Max	16QAM	15.5	12.69	PASS
Band38	10	38200	50	#0	16QAM	-5.015	24.55	PASS
Band38	10	38200	50	#0	16QAM	-6.5	20.87	PASS
Band38	10	38200	50	#0	16QAM	-10.5	19.78	PASS
Band38	10	38200	50	#0	16QAM	-15.5	10.73	PASS
Band38	10	38200	50	#0	16QAM	5.055	24.55	PASS
Band38	10	38200	50	#0	16QAM	6.5	20.46	PASS
Band38	10	38200	50	#0	16QAM	10.5	19.27	PASS
Band38	10	38200	50	#0	16QAM	15.75	11.01	PASS
Band38	20	37850	18	#0	QPSK	-10.065	19.78	PASS
Band38	20	37850	18	#0	QPSK	-11.5	18.19	PASS

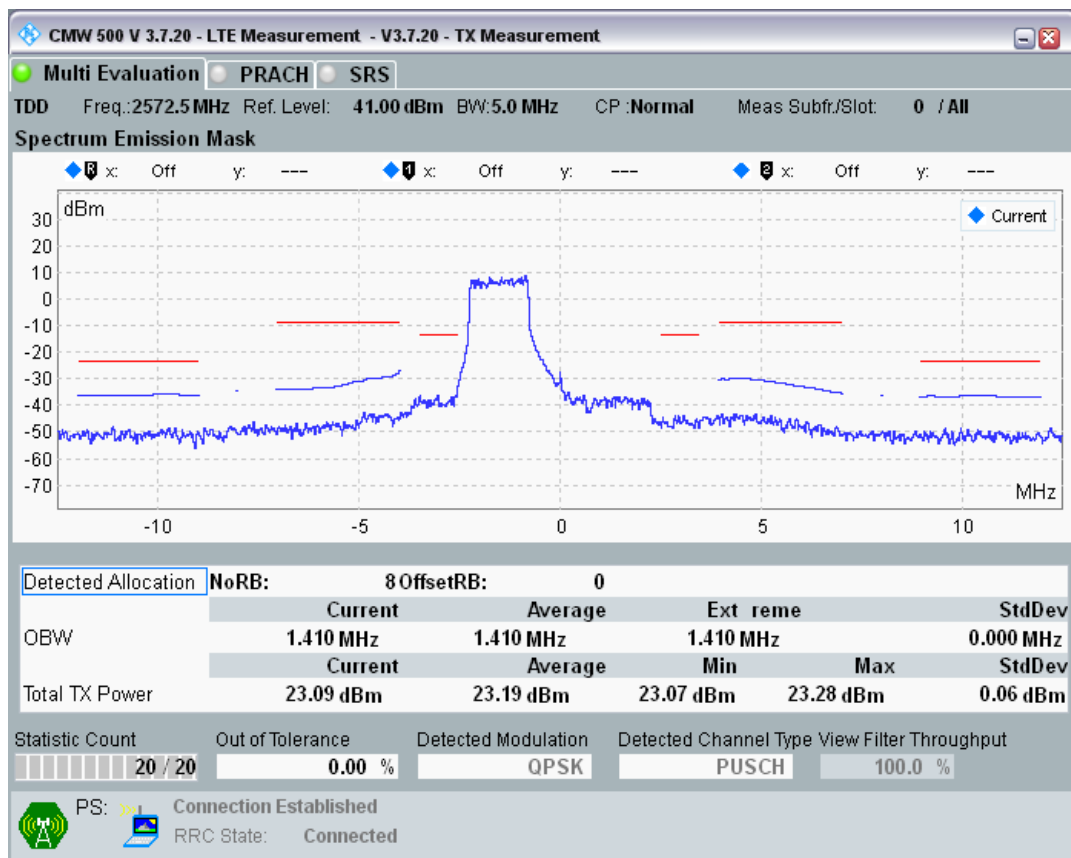
Band38	20	37850	18	#0	QPSK	-15.5	22.57	PASS
Band38	20	37850	18	#0	QPSK	-31.32	13.25	PASS
Band38	20	37850	18	#0	QPSK	10.65	30.85	PASS
Band38	20	37850	18	#0	QPSK	11.7	27.45	PASS
Band38	20	37850	18	#0	QPSK	22.05	20.30	PASS
Band38	20	37850	18	#0	QPSK	33.57	13.21	PASS
Band38	20	37850	18	#Max	QPSK	-10.665	30.54	PASS
Band38	20	37850	18	#Max	QPSK	-13.86	26.92	PASS
Band38	20	37850	18	#Max	QPSK	-19.71	22.40	PASS
Band38	20	37850	18	#Max	QPSK	-30.5	13.38	PASS
Band38	20	37850	18	#Max	QPSK	10.015	19.33	PASS
Band38	20	37850	18	#Max	QPSK	11.61	17.94	PASS
Band38	20	37850	18	#Max	QPSK	15.5	23.06	PASS
Band38	20	37850	18	#Max	QPSK	32.58	13.11	PASS
Band38	20	37850	100	#0	QPSK	-10.05	25.06	PASS
Band38	20	37850	100	#0	QPSK	-11.5	24.28	PASS
Band38	20	37850	100	#0	QPSK	-19.71	21.69	PASS
Band38	20	37850	100	#0	QPSK	-34.5	12.81	PASS
Band38	20	37850	100	#0	QPSK	10.05	24.95	PASS
Band38	20	37850	100	#0	QPSK	11.5	22.85	PASS
Band38	20	37850	100	#0	QPSK	21.6	20.61	PASS
Band38	20	37850	100	#0	QPSK	34.38	11.99	PASS
Band38	20	37850	18	#0	16QAM	-10.05	20.53	PASS
Band38	20	37850	18	#0	16QAM	-11.5	20.38	PASS
Band38	20	37850	18	#0	16QAM	-15.5	22.85	PASS
Band38	20	37850	18	#0	16QAM	-30.5	13.23	PASS
Band38	20	37850	18	#0	16QAM	10.83	30.86	PASS
Band38	20	37850	18	#0	16QAM	12.33	27.49	PASS
Band38	20	37850	18	#0	16QAM	21.96	21.52	PASS
Band38	20	37850	18	#0	16QAM	33.21	13.18	PASS
Band38	20	37850	18	#Max	16QAM	-10.695	30.61	PASS
Band38	20	37850	18	#Max	16QAM	-12.78	27.01	PASS
Band38	20	37850	18	#Max	16QAM	-19.71	22.53	PASS
Band38	20	37850	18	#Max	16QAM	-33.39	13.43	PASS
Band38	20	37850	18	#Max	16QAM	10.015	19.96	PASS
Band38	20	37850	18	#Max	16QAM	11.5	19.85	PASS
Band38	20	37850	18	#Max	16QAM	15.5	23.36	PASS
Band38	20	37850	18	#Max	16QAM	31.32	13.10	PASS
Band38	20	37850	100	#0	16QAM	-10.155	26.99	PASS
Band38	20	37850	100	#0	16QAM	-11.5	24.66	PASS
Band38	20	37850	100	#0	16QAM	-15.5	22.83	PASS
Band38	20	37850	100	#0	16QAM	-30.5	13.62	PASS

Band38	20	37850	100	#0	16QAM	10.14	25.57	PASS
Band38	20	37850	100	#0	16QAM	11.5	23.73	PASS
Band38	20	37850	100	#0	16QAM	15.5	21.63	PASS
Band38	20	37850	100	#0	16QAM	30.5	12.94	PASS
Band38	20	38000	18	#0	QPSK	-10.065	19.85	PASS
Band38	20	38000	18	#0	QPSK	-11.7	17.64	PASS
Band38	20	38000	18	#0	QPSK	-15.5	22.31	PASS
Band38	20	38000	18	#0	QPSK	-33.03	13.14	PASS
Band38	20	38000	18	#0	QPSK	10.725	30.95	PASS
Band38	20	38000	18	#0	QPSK	11.5	27.43	PASS
Band38	20	38000	18	#0	QPSK	22.23	20.32	PASS
Band38	20	38000	18	#0	QPSK	32.49	13.13	PASS
Band38	20	38000	18	#Max	QPSK	-10.815	30.59	PASS
Band38	20	38000	18	#Max	QPSK	-13.86	26.82	PASS
Band38	20	38000	18	#Max	QPSK	-19.8	22.01	PASS
Band38	20	38000	18	#Max	QPSK	-30.96	13.30	PASS
Band38	20	38000	18	#Max	QPSK	10.065	16.67	PASS
Band38	20	38000	18	#Max	QPSK	11.5	15.60	PASS
Band38	20	38000	18	#Max	QPSK	15.5	22.12	PASS
Band38	20	38000	18	#Max	QPSK	30.5	13.10	PASS
Band38	20	38000	100	#0	QPSK	-10.08	25.19	PASS
Band38	20	38000	100	#0	QPSK	-11.5	23.60	PASS
Band38	20	38000	100	#0	QPSK	-19.71	21.31	PASS
Band38	20	38000	100	#0	QPSK	-31.05	12.57	PASS
Band38	20	38000	100	#0	QPSK	10.065	24.24	PASS
Band38	20	38000	100	#0	QPSK	11.5	22.52	PASS
Band38	20	38000	100	#0	QPSK	21.78	20.03	PASS
Band38	20	38000	100	#0	QPSK	31.05	11.85	PASS
Band38	20	38000	18	#0	16QAM	-10.035	20.13	PASS
Band38	20	38000	18	#0	16QAM	-11.5	19.91	PASS
Band38	20	38000	18	#0	16QAM	-15.5	22.60	PASS
Band38	20	38000	18	#0	16QAM	-34.5	13.17	PASS
Band38	20	38000	18	#0	16QAM	10.26	30.70	PASS
Band38	20	38000	18	#0	16QAM	14.04	27.50	PASS
Band38	20	38000	18	#0	16QAM	22.23	21.46	PASS
Band38	20	38000	18	#0	16QAM	30.78	13.17	PASS
Band38	20	38000	18	#Max	16QAM	-10.575	30.26	PASS
Band38	20	38000	18	#Max	16QAM	-13.68	26.96	PASS
Band38	20	38000	18	#Max	16QAM	-19.71	22.29	PASS
Band38	20	38000	18	#Max	16QAM	-30.96	13.33	PASS
Band38	20	38000	18	#Max	16QAM	10.015	18.80	PASS
Band38	20	38000	18	#Max	16QAM	11.5	18.57	PASS

Band38	20	38000	18	#Max	16QAM	15.5	23.04	PASS
Band38	20	38000	18	#Max	16QAM	31.59	13.04	PASS
Band38	20	38000	100	#0	16QAM	-10.35	25.97	PASS
Band38	20	38000	100	#0	16QAM	-11.5	23.83	PASS
Band38	20	38000	100	#0	16QAM	-15.5	21.81	PASS
Band38	20	38000	100	#0	16QAM	-31.32	12.58	PASS
Band38	20	38000	100	#0	16QAM	10.015	24.77	PASS
Band38	20	38000	100	#0	16QAM	11.5	22.92	PASS
Band38	20	38000	100	#0	16QAM	21.6	20.82	PASS
Band38	20	38000	100	#0	16QAM	30.69	12.13	PASS
Band38	20	38150	18	#0	QPSK	-10.23	18.89	PASS
Band38	20	38150	18	#0	QPSK	-11.5	16.59	PASS
Band38	20	38150	18	#0	QPSK	-15.5	22.07	PASS
Band38	20	38150	18	#0	QPSK	-33.84	13.09	PASS
Band38	20	38150	18	#0	QPSK	10.455	30.72	PASS
Band38	20	38150	18	#0	QPSK	11.5	27.28	PASS
Band38	20	38150	18	#0	QPSK	22.23	20.04	PASS
Band38	20	38150	18	#0	QPSK	30.5	13.14	PASS
Band38	20	38150	18	#Max	QPSK	-10.515	30.19	PASS
Band38	20	38150	18	#Max	QPSK	-14.04	26.86	PASS
Band38	20	38150	18	#Max	QPSK	-19.71	21.90	PASS
Band38	20	38150	18	#Max	QPSK	-31.59	13.28	PASS
Band38	20	38150	18	#Max	QPSK	10.215	17.30	PASS
Band38	20	38150	18	#Max	QPSK	11.5	15.57	PASS
Band38	20	38150	18	#Max	QPSK	15.5	22.43	PASS
Band38	20	38150	18	#Max	QPSK	32.49	13.03	PASS
Band38	20	38150	100	#0	QPSK	-10.155	24.29	PASS
Band38	20	38150	100	#0	QPSK	-11.5	23.18	PASS
Band38	20	38150	100	#0	QPSK	-19.71	20.93	PASS
Band38	20	38150	100	#0	QPSK	-34.5	12.33	PASS
Band38	20	38150	100	#0	QPSK	10.015	24.29	PASS
Band38	20	38150	100	#0	QPSK	11.5	21.94	PASS
Band38	20	38150	100	#0	QPSK	19.35	19.55	PASS
Band38	20	38150	100	#0	QPSK	30.5	11.58	PASS
Band38	20	38150	18	#0	16QAM	-10.015	18.12	PASS
Band38	20	38150	18	#0	16QAM	-11.5	18.40	PASS
Band38	20	38150	18	#0	16QAM	-15.66	22.44	PASS
Band38	20	38150	18	#0	16QAM	-30.5	13.12	PASS
Band38	20	38150	18	#0	16QAM	10.56	30.64	PASS
Band38	20	38150	18	#0	16QAM	11.5	27.39	PASS
Band38	20	38150	18	#0	16QAM	22.32	21.17	PASS
Band38	20	38150	18	#0	16QAM	31.5	13.10	PASS

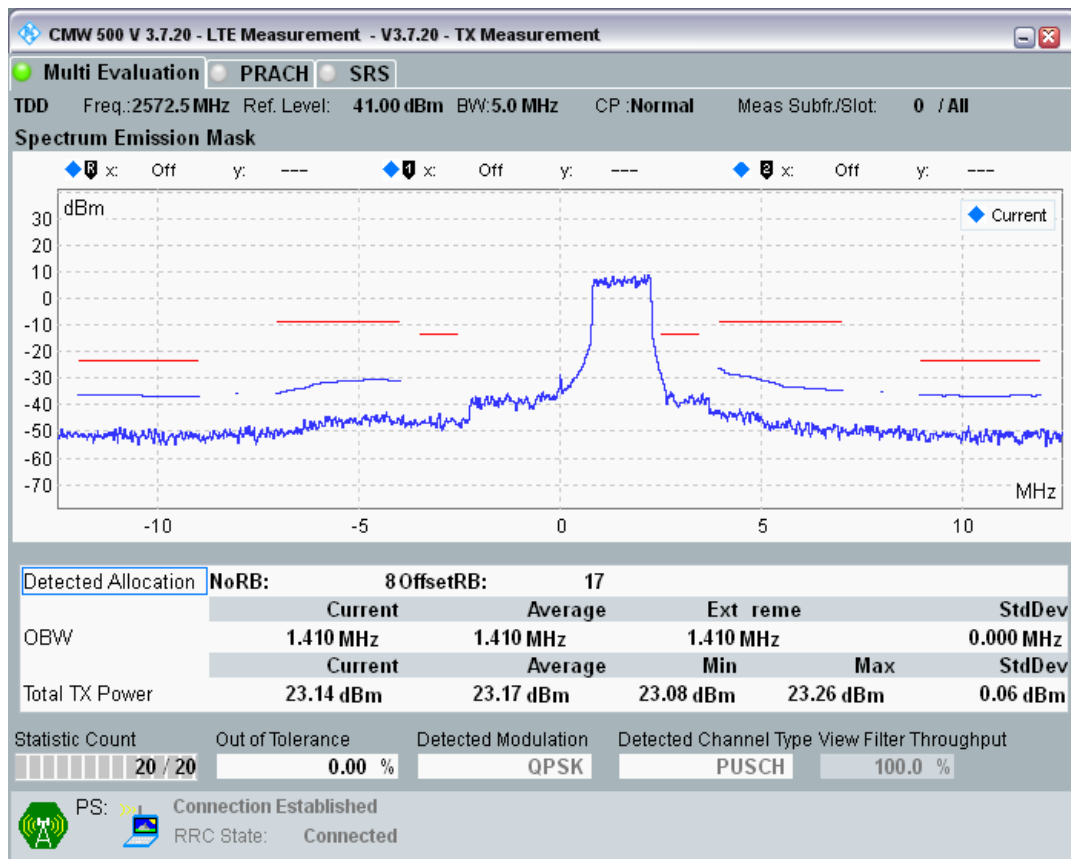
Band38	20	38150	18	#Max	16QAM	-10.455	30.26	PASS
Band38	20	38150	18	#Max	16QAM	-13.68	26.85	PASS
Band38	20	38150	18	#Max	16QAM	-19.89	22.26	PASS
Band38	20	38150	18	#Max	16QAM	-31.68	13.25	PASS
Band38	20	38150	18	#Max	16QAM	10.08	16.77	PASS
Band38	20	38150	18	#Max	16QAM	11.5	17.52	PASS
Band38	20	38150	18	#Max	16QAM	15.5	22.86	PASS
Band38	20	38150	18	#Max	16QAM	34.5	13.03	PASS
Band38	20	38150	100	#0	16QAM	-10.08	25.11	PASS
Band38	20	38150	100	#0	16QAM	-11.5	23.29	PASS
Band38	20	38150	100	#0	16QAM	-15.5	21.24	PASS
Band38	20	38150	100	#0	16QAM	-30.5	12.41	PASS
Band38	20	38150	100	#0	16QAM	10.155	24.56	PASS
Band38	20	38150	100	#0	16QAM	11.5	22.39	PASS
Band38	20	38150	100	#0	16QAM	19.35	20.38	PASS
Band38	20	38150	100	#0	16QAM	30.5	11.67	PASS

Band38 QPSK BW=5MHz Channel=37775 RB Size=8 Position=#0



Band38 QPSK BW=5MHz Channel=37775 RB Size=8 Position=#Max





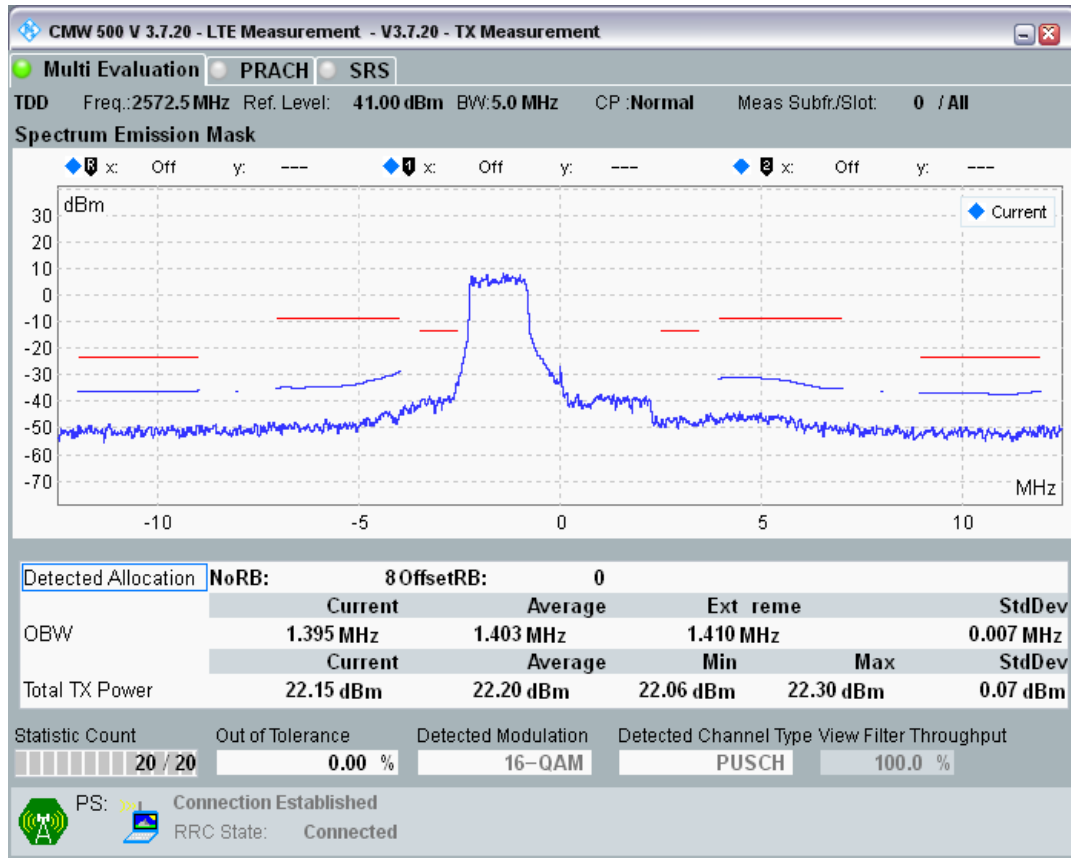
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



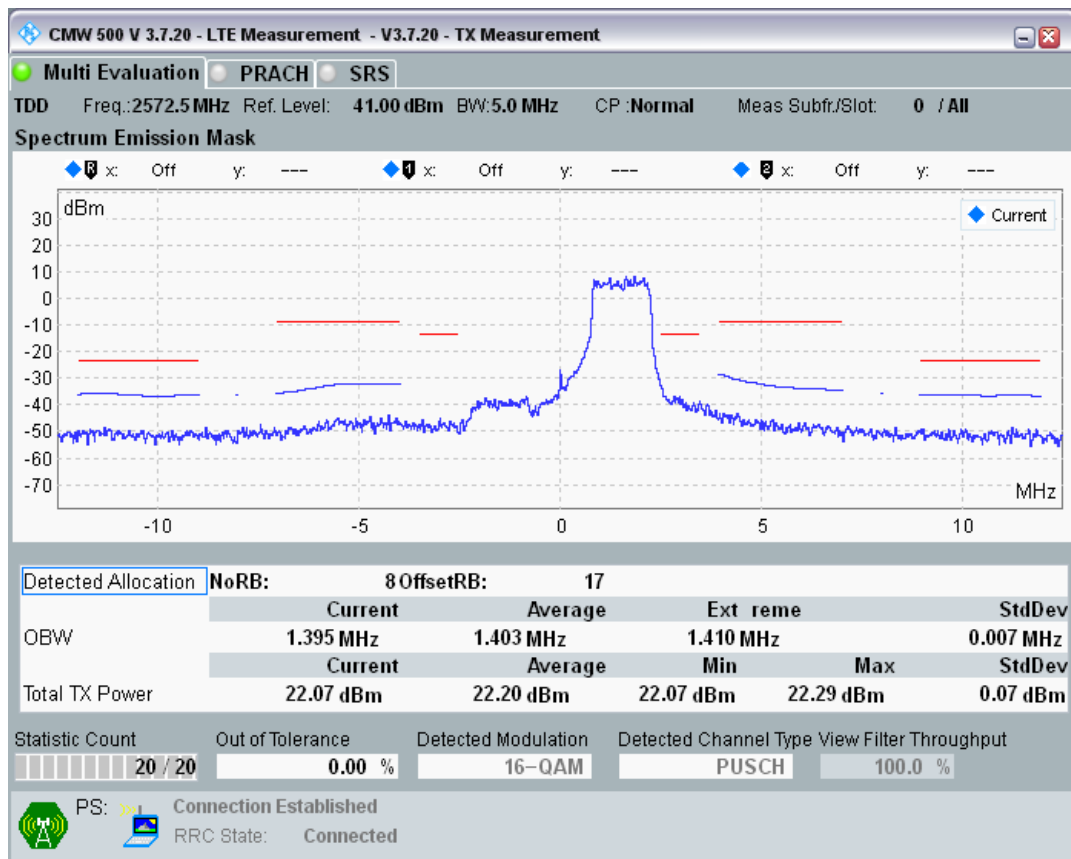




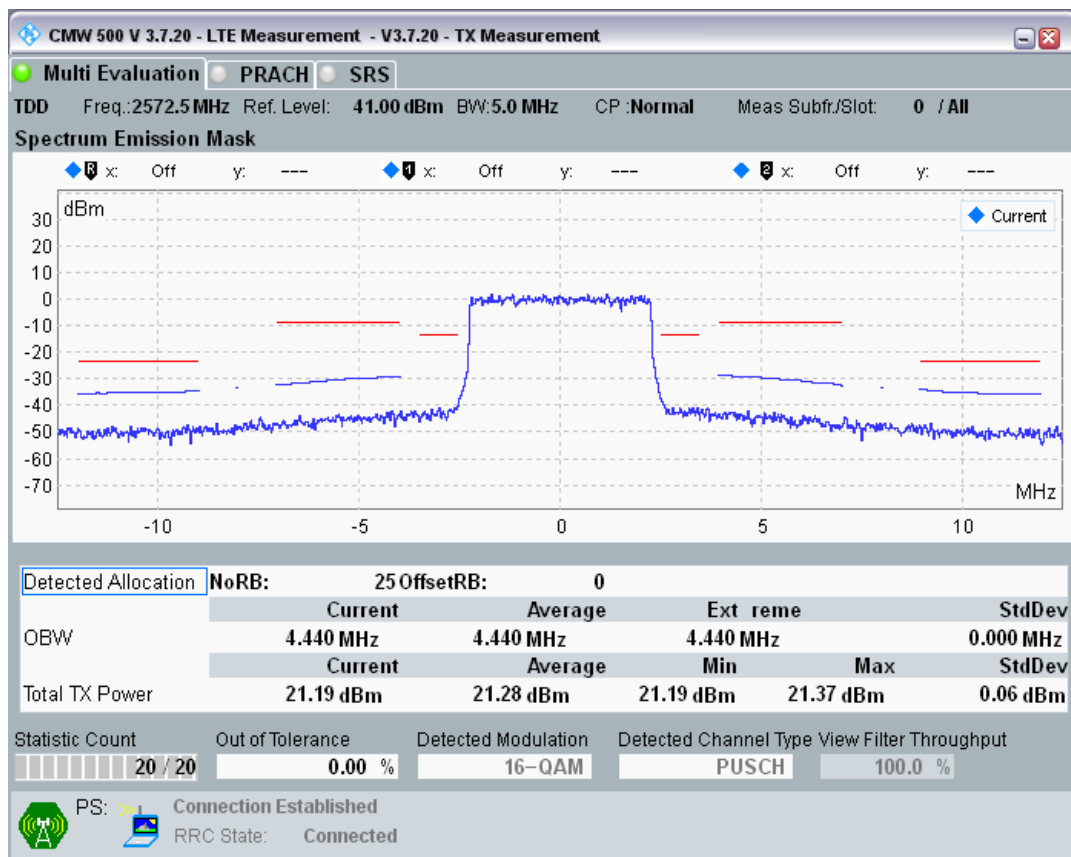
Band38 16QAM BW=5MHz Channel=37775 RB Size=8 Position=#0



Band38 16QAM BW=5MHz Channel=37775 RB Size=8 Position=#Max

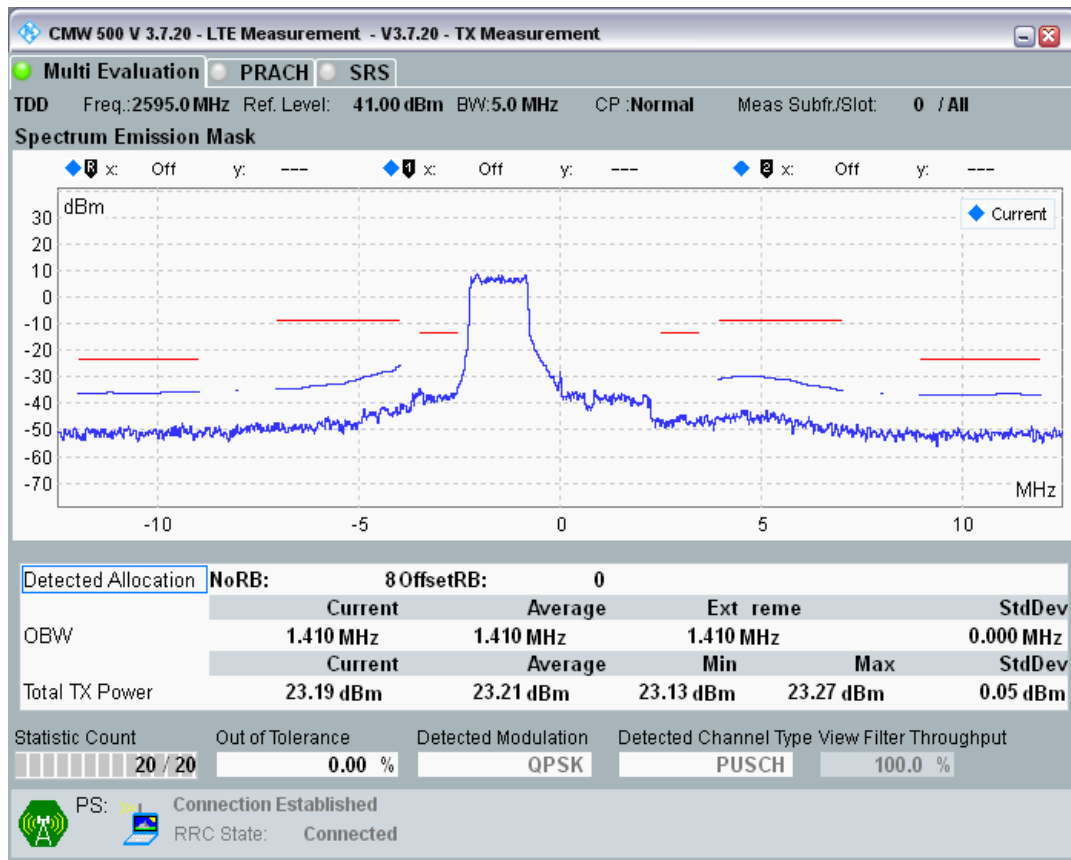


Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0

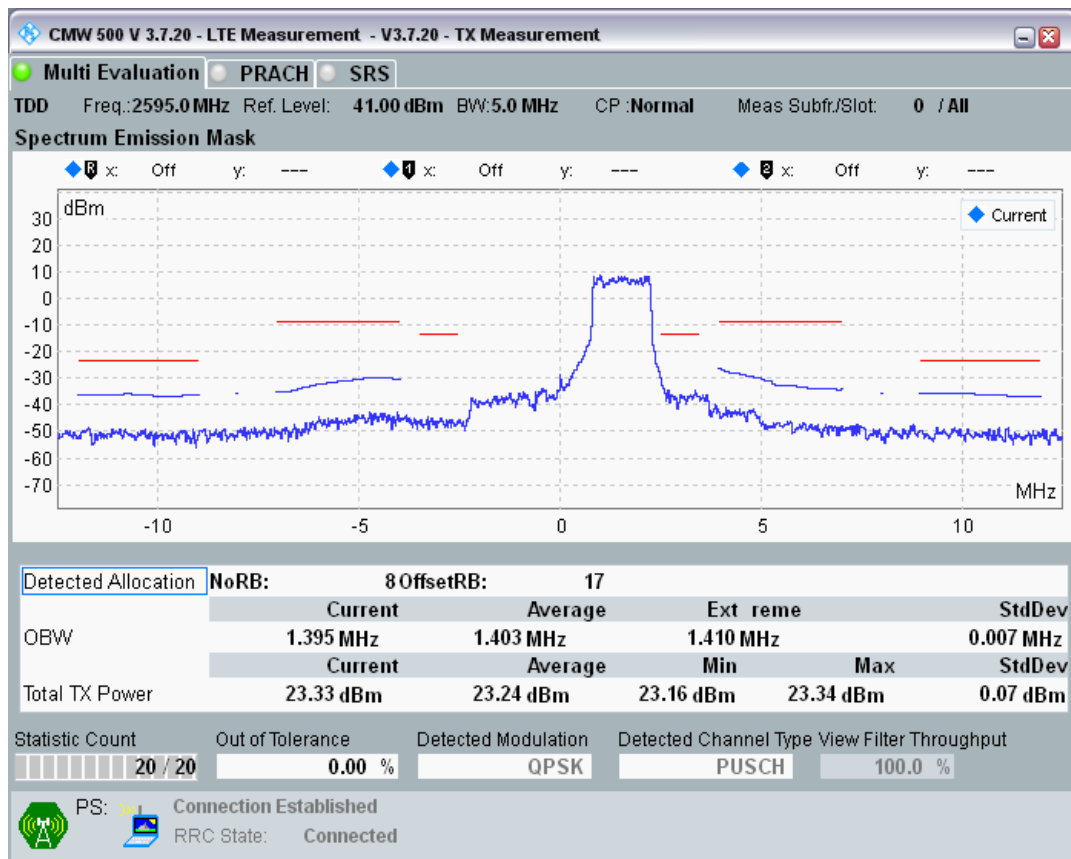




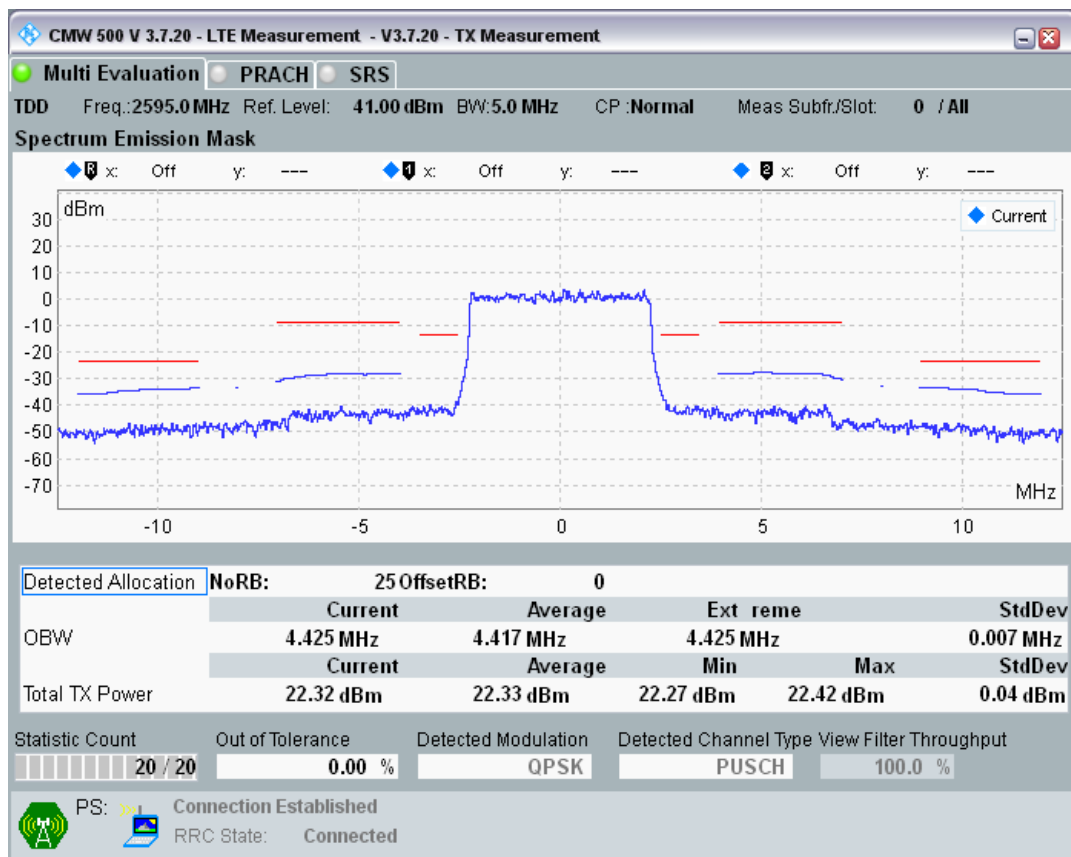
Band38 QPSK BW=5MHz Channel=38000 RB Size=8 Position=#0



Band38 QPSK BW=5MHz Channel=38000 RB Size=8 Position=#Max

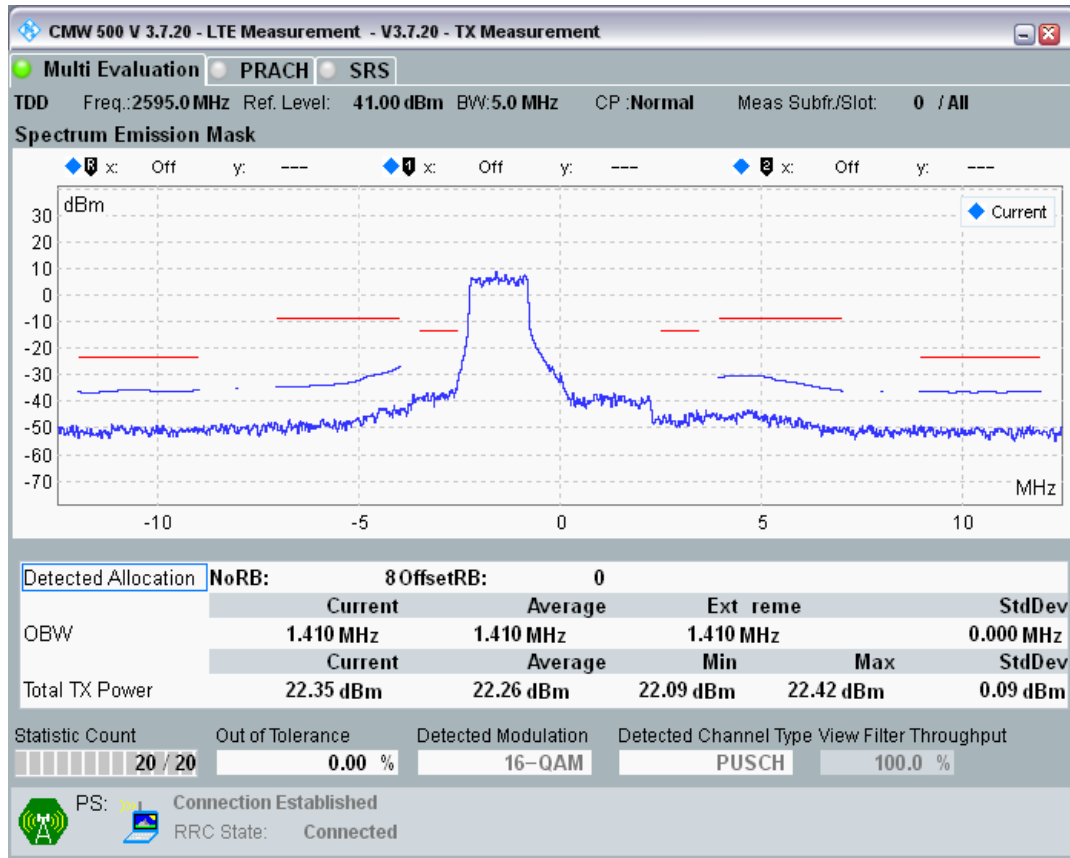


Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0

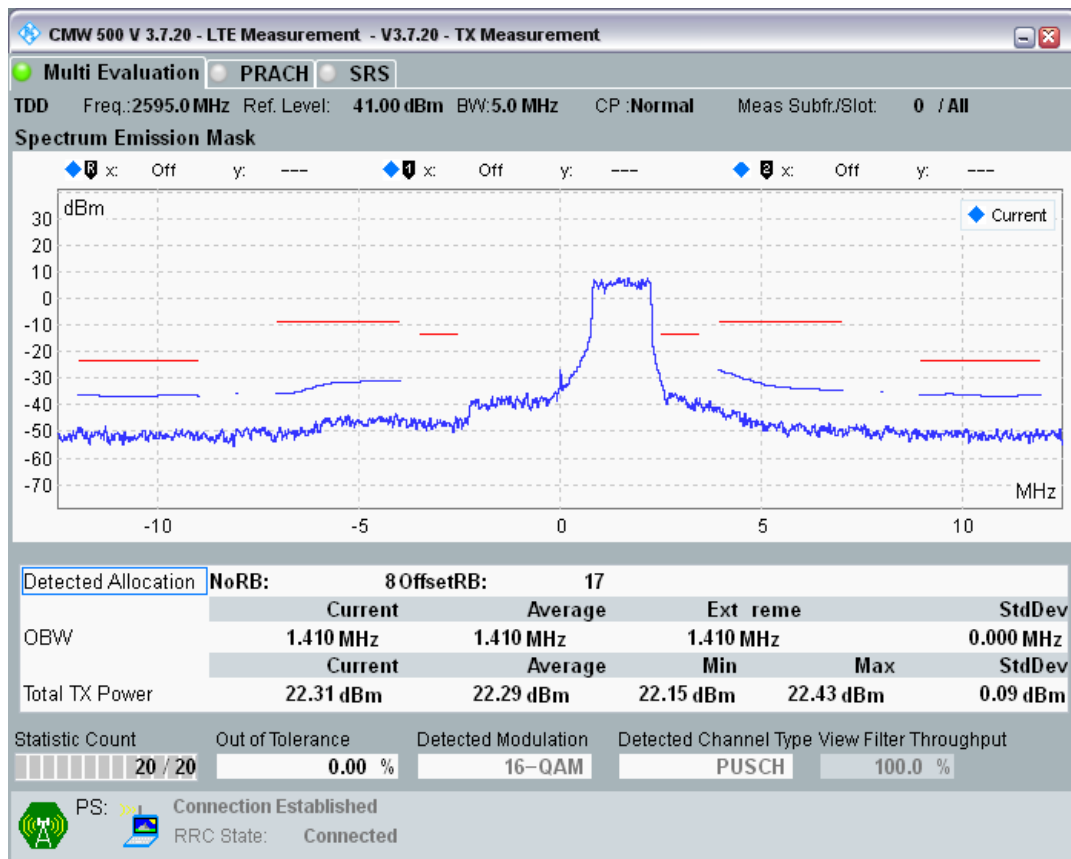




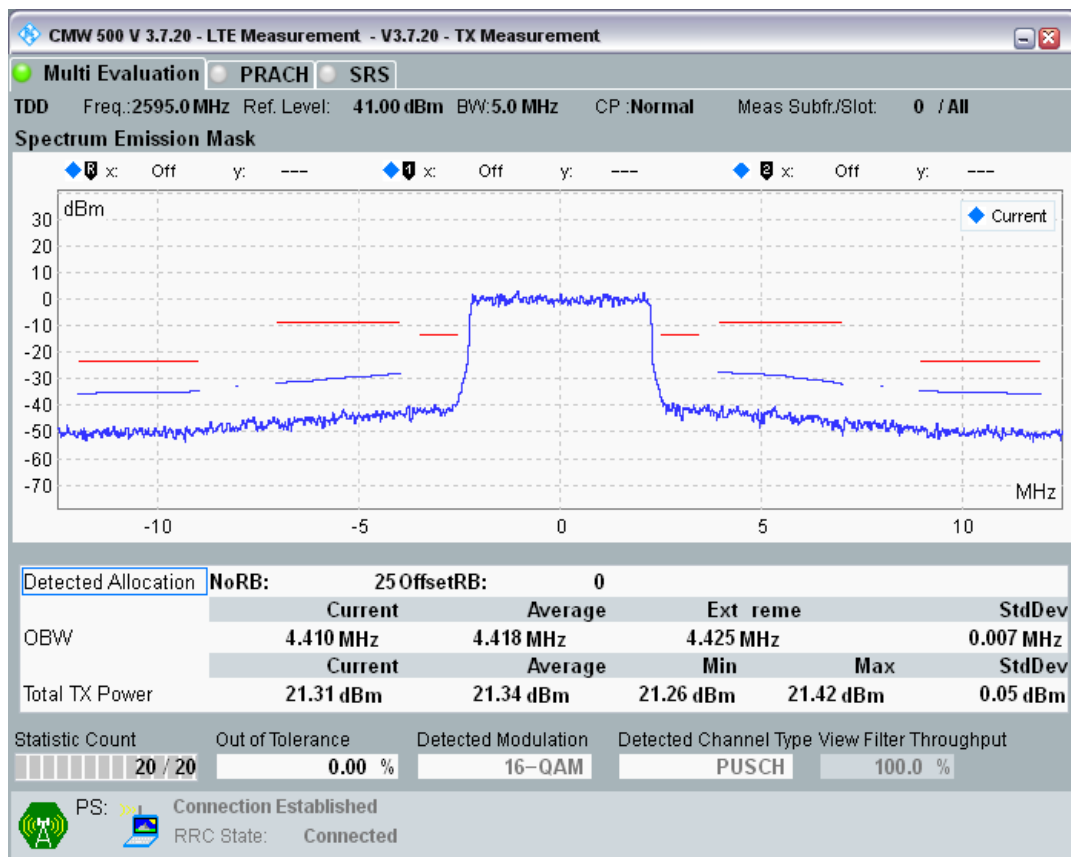
Band38 16QAM BW=5MHz Channel=38000 RB Size=8 Position=#0



Band38 16QAM BW=5MHz Channel=38000 RB Size=8 Position=#Max

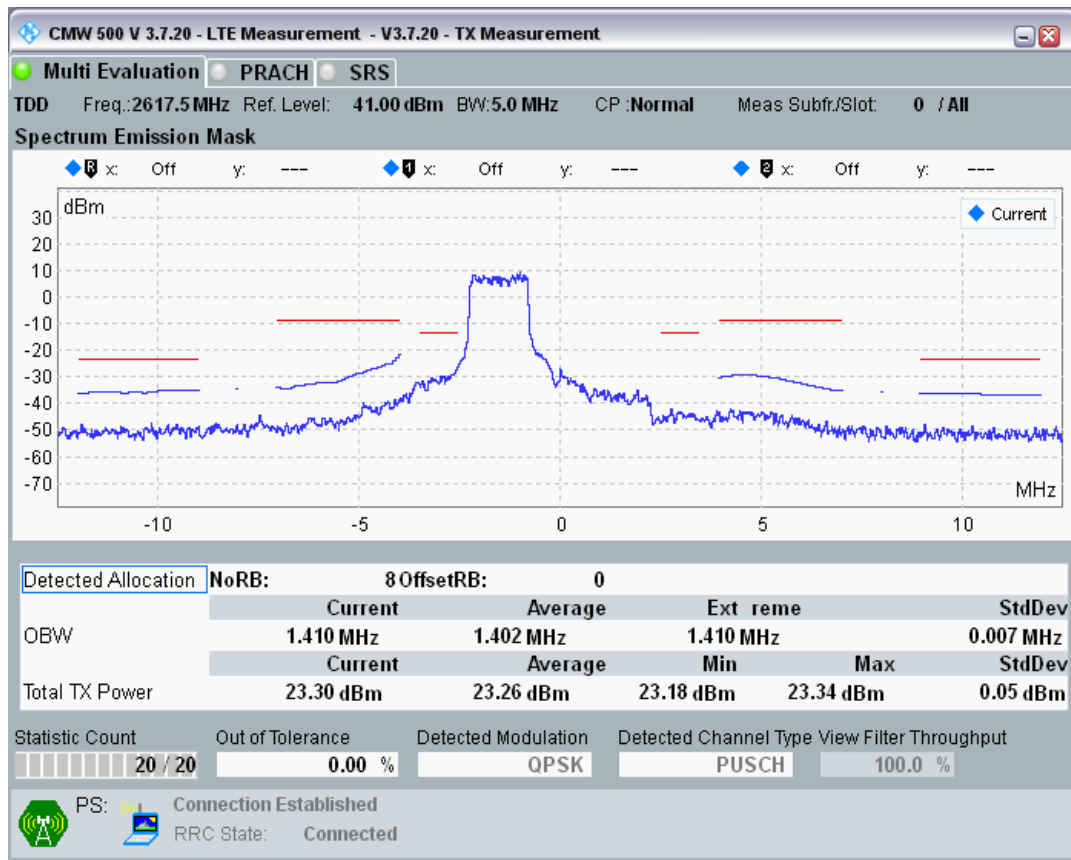


Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0



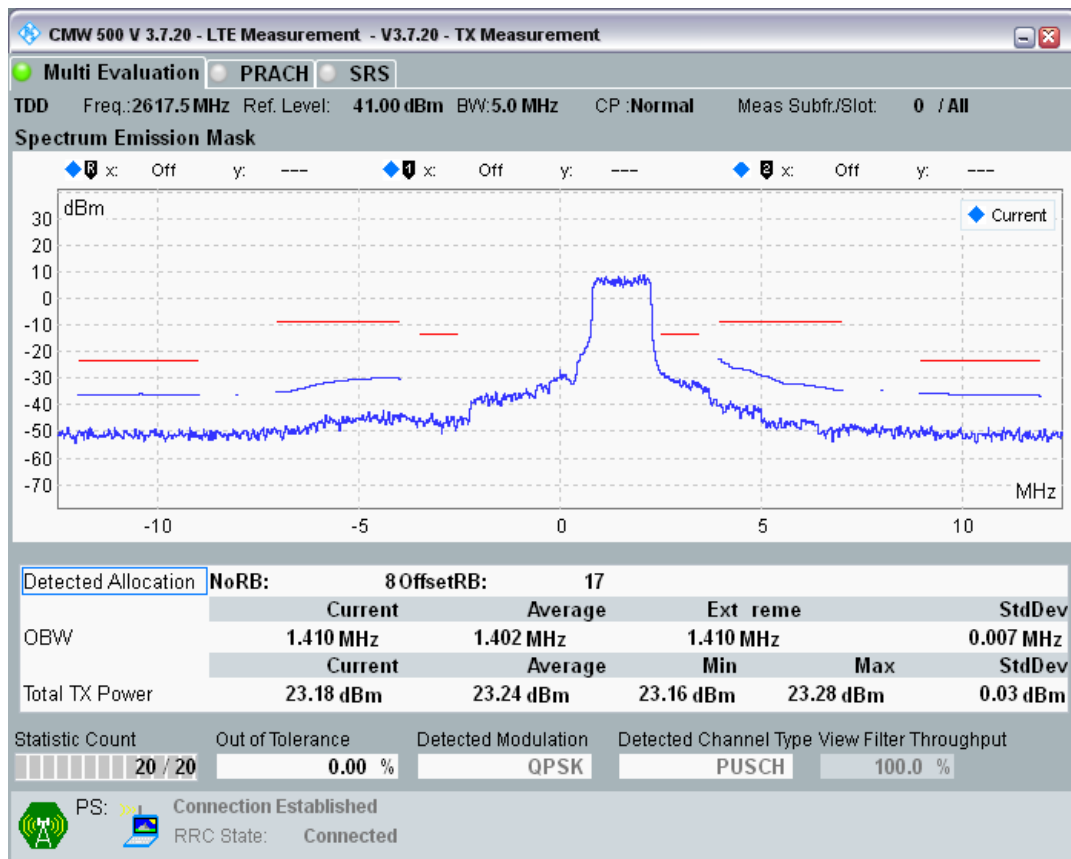


Band38 QPSK BW=5MHz Channel=38225 RB Size=8 Position=#0



Band38 QPSK BW=5MHz Channel=38225 RB Size=8 Position=#Max



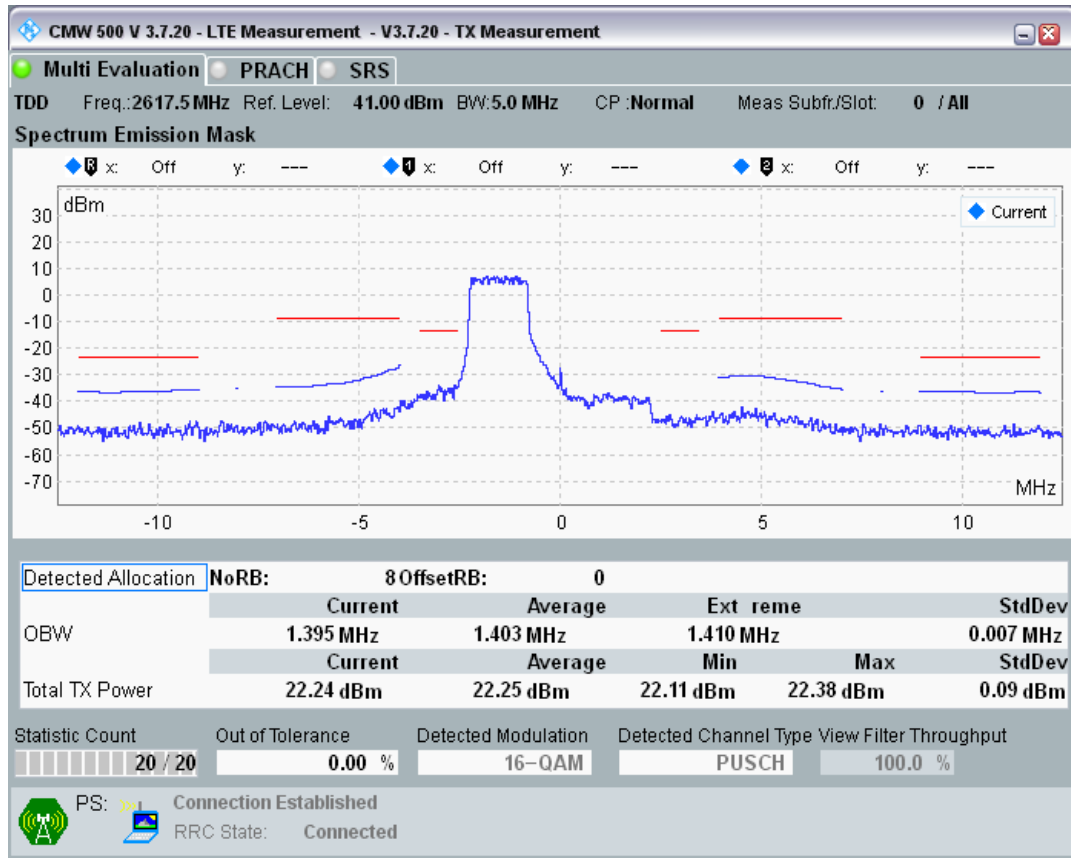


Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0

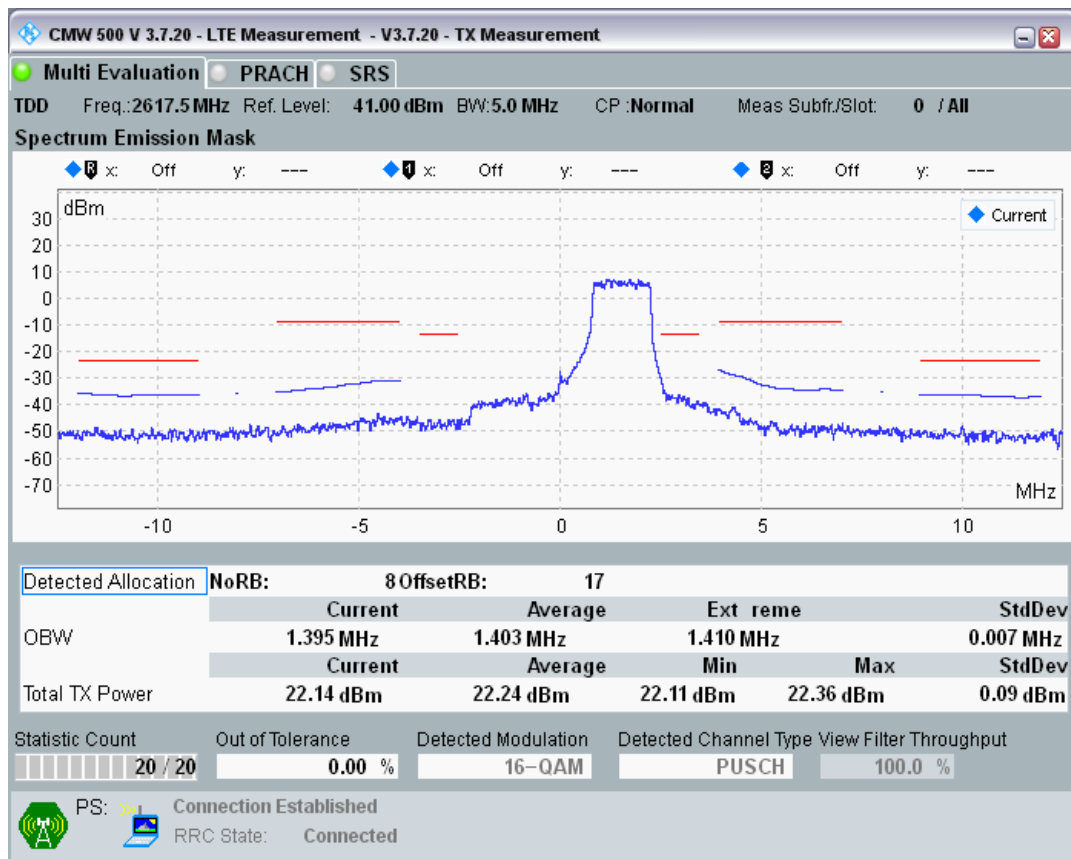




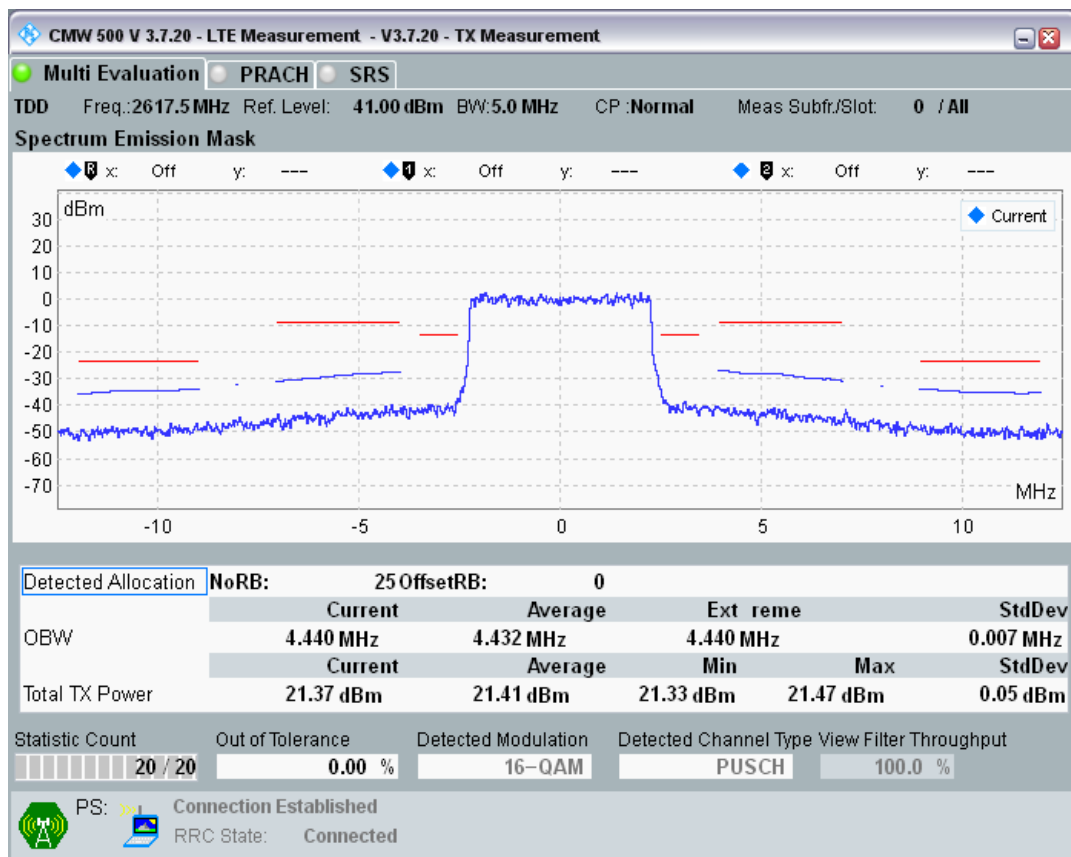
Band38 16QAM BW=5MHz Channel=38225 RB Size=8 Position=#0



Band38 16QAM BW=5MHz Channel=38225 RB Size=8 Position=#Max

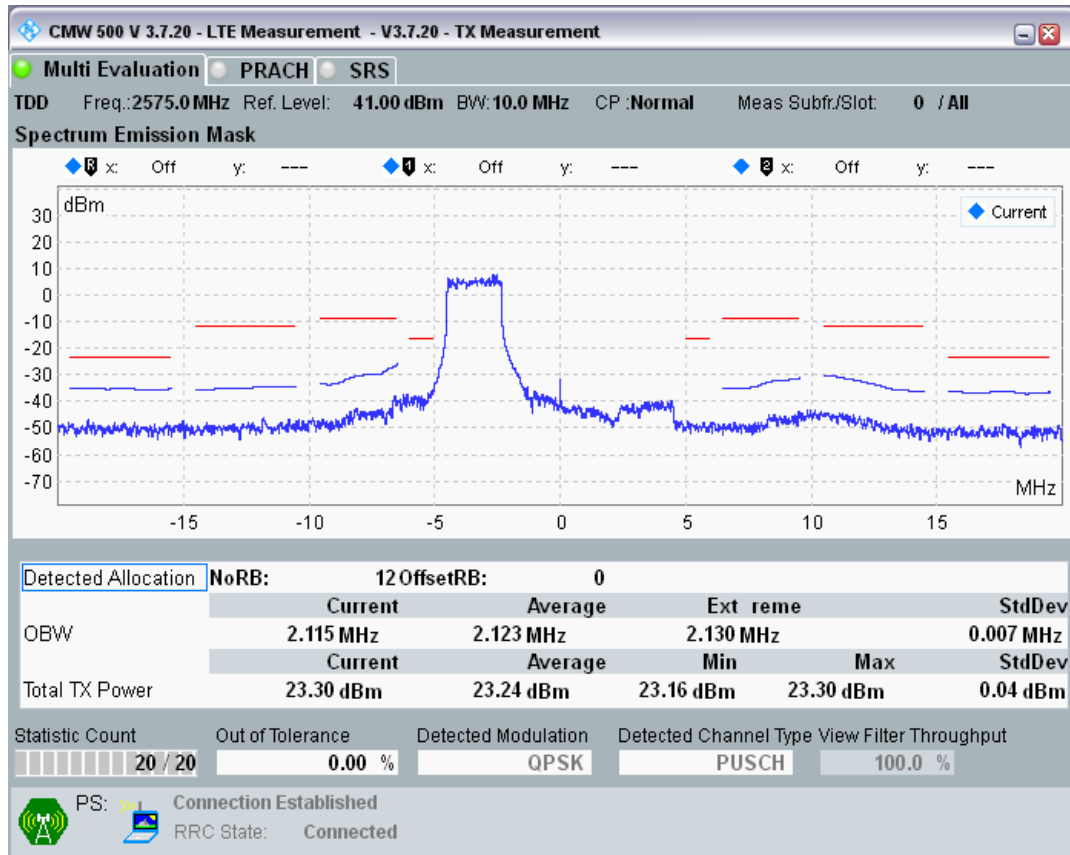


Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0

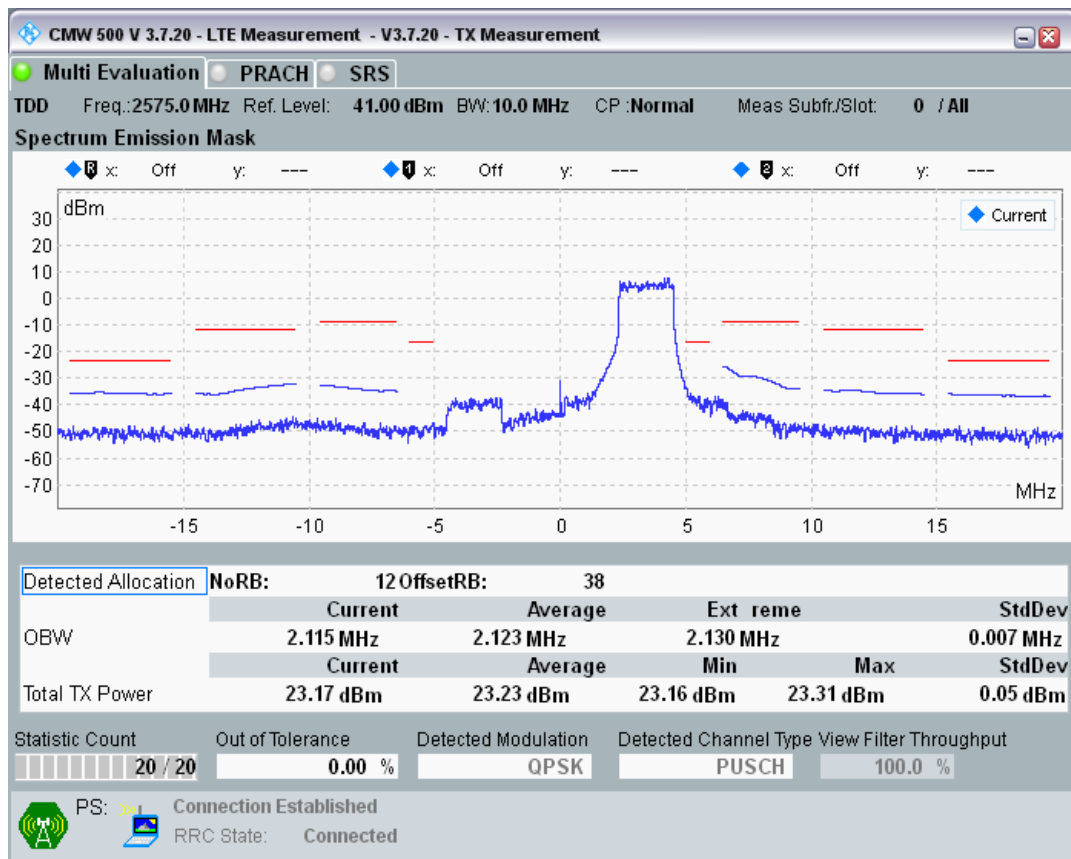




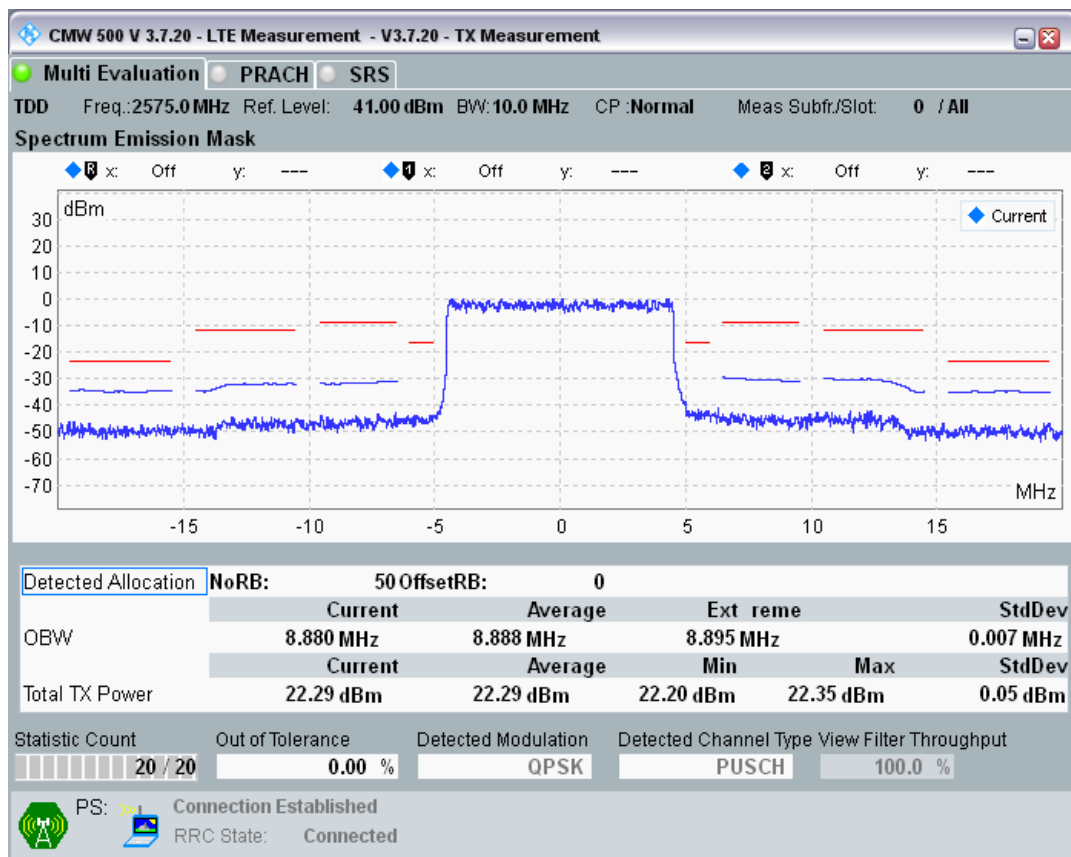
Band38 QPSK BW=10MHz Channel=37800 RB Size=12 Position=#0



Band38 QPSK BW=10MHz Channel=37800 RB Size=12 Position=#Max

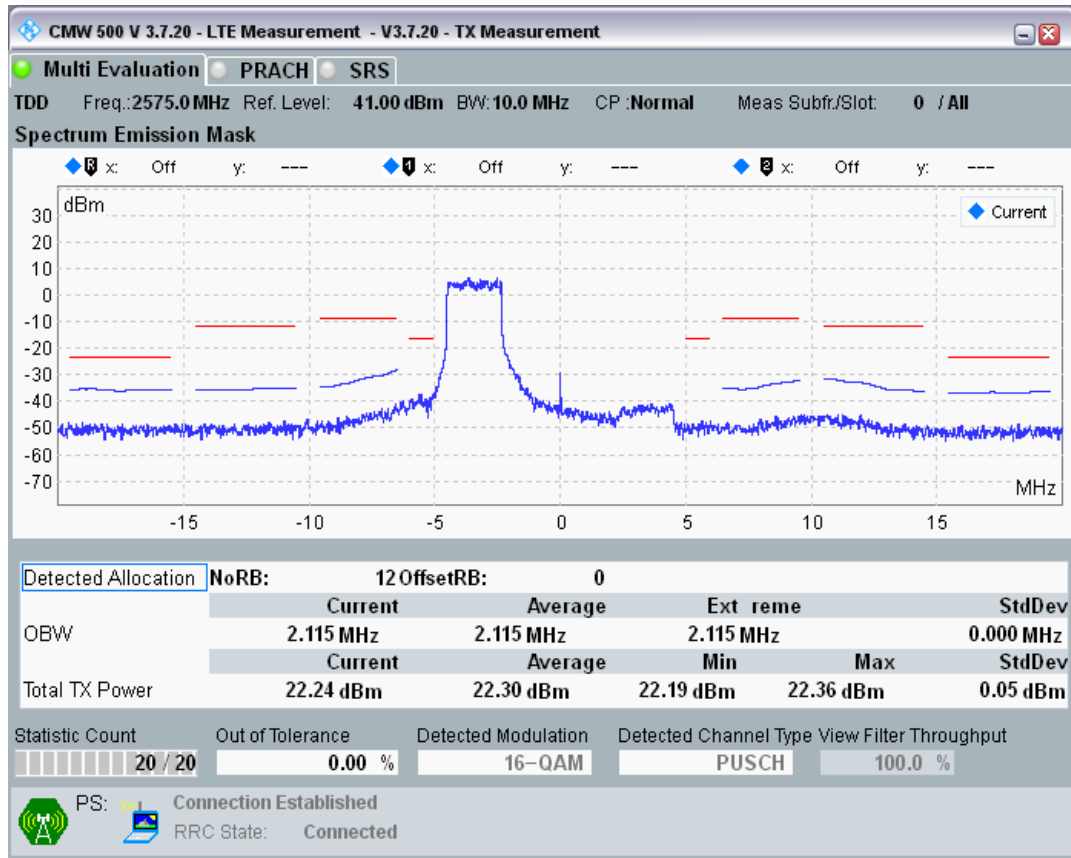


Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0

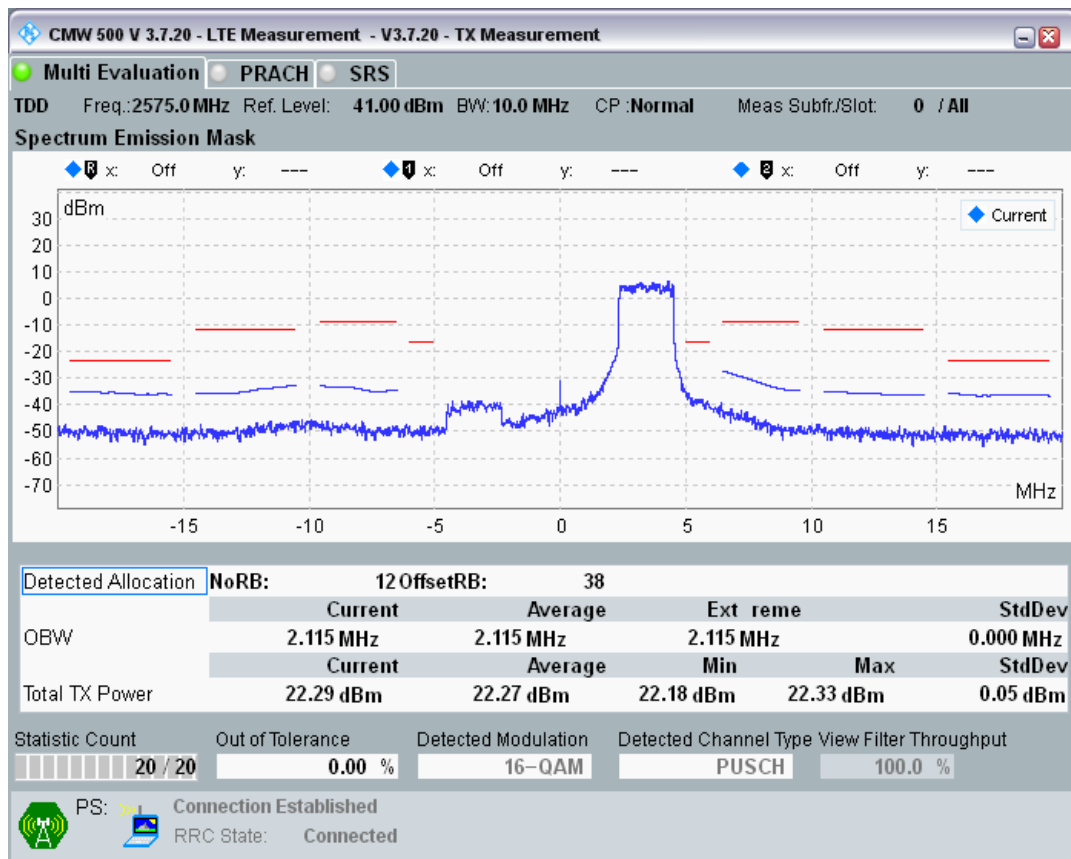




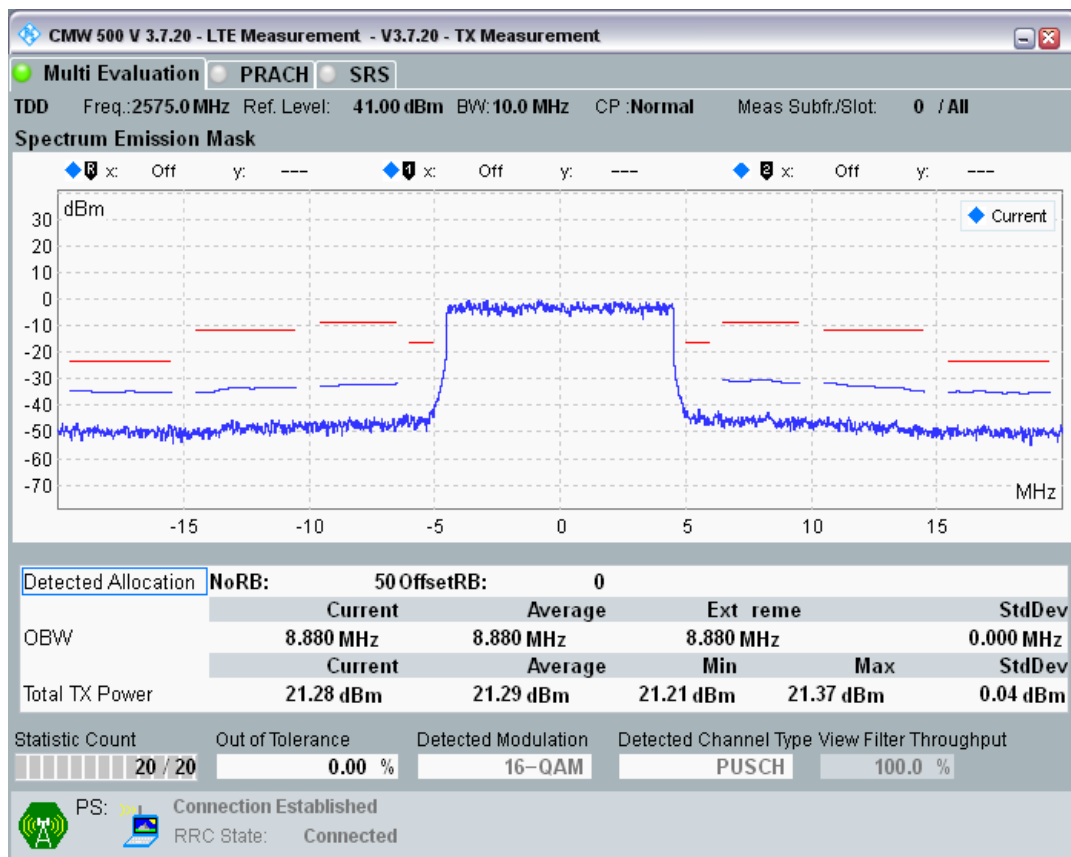
Band38 16QAM BW=10MHz Channel=37800 RB Size=12 Position=#0



Band38 16QAM BW=10MHz Channel=37800 RB Size=12 Position=#Max



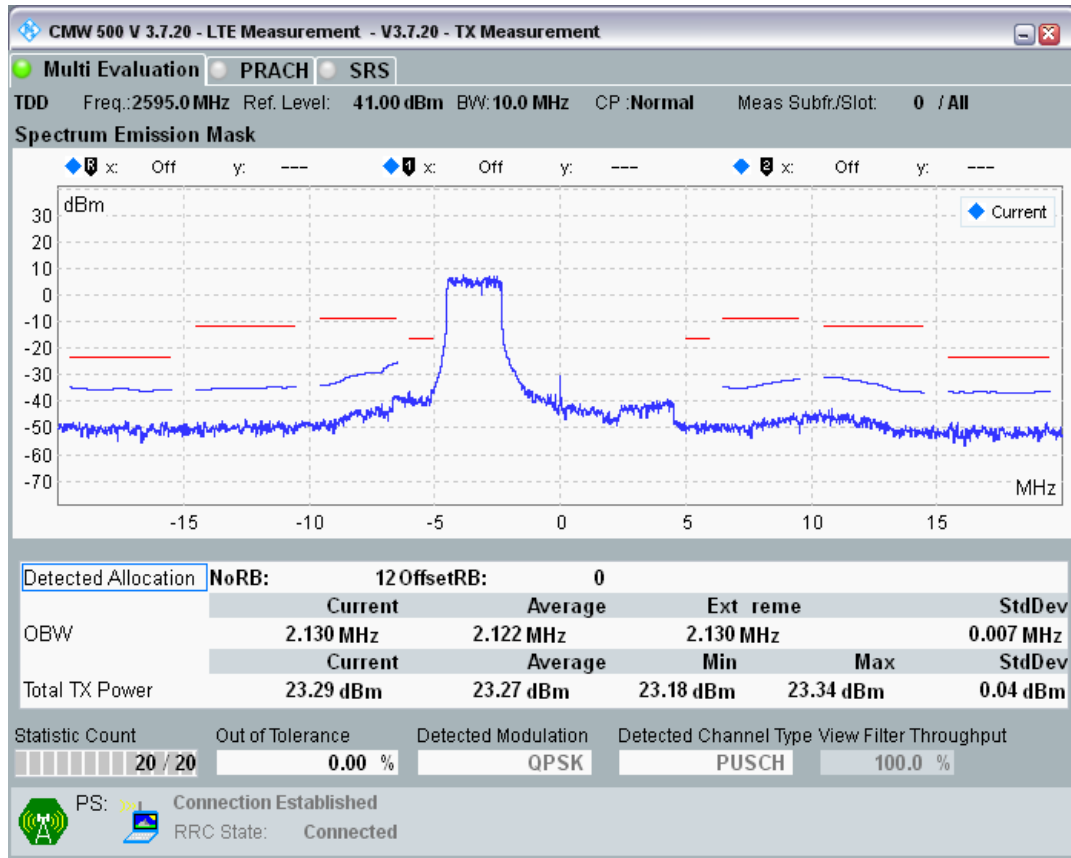
Band38 16QAM BW=10MHz Channel=37800 RB Size=50 Position=#0



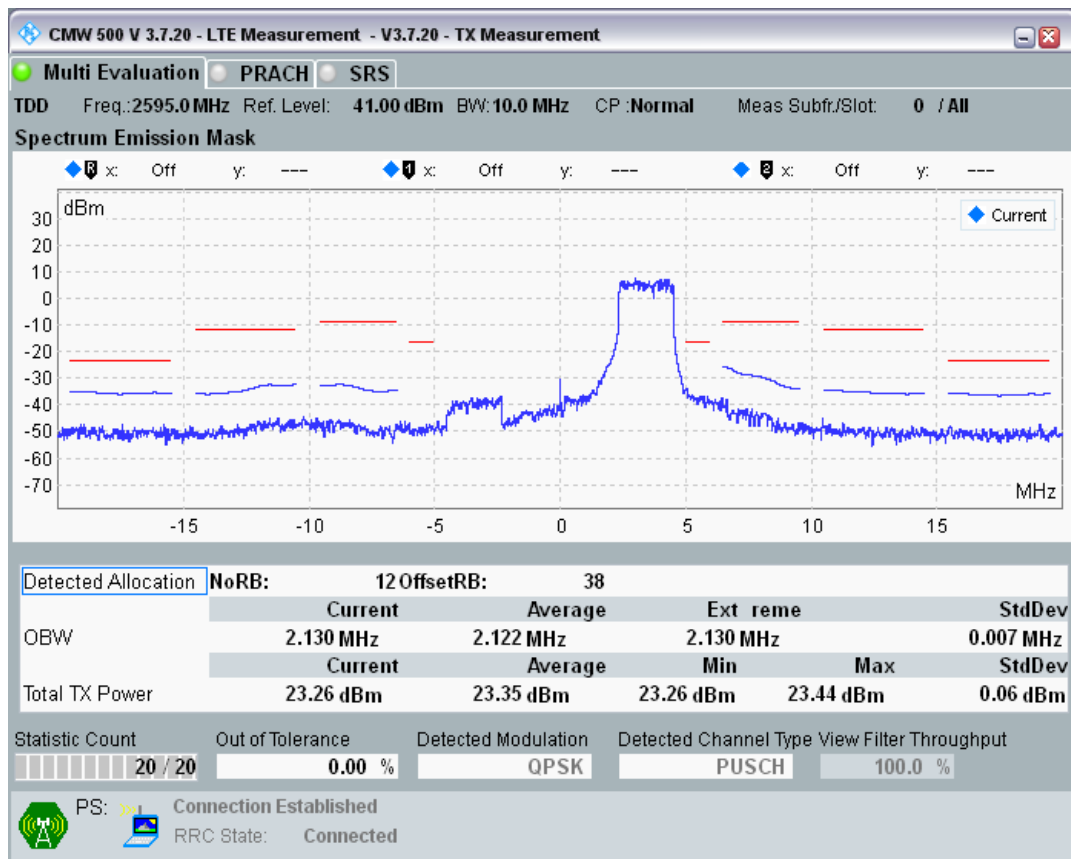




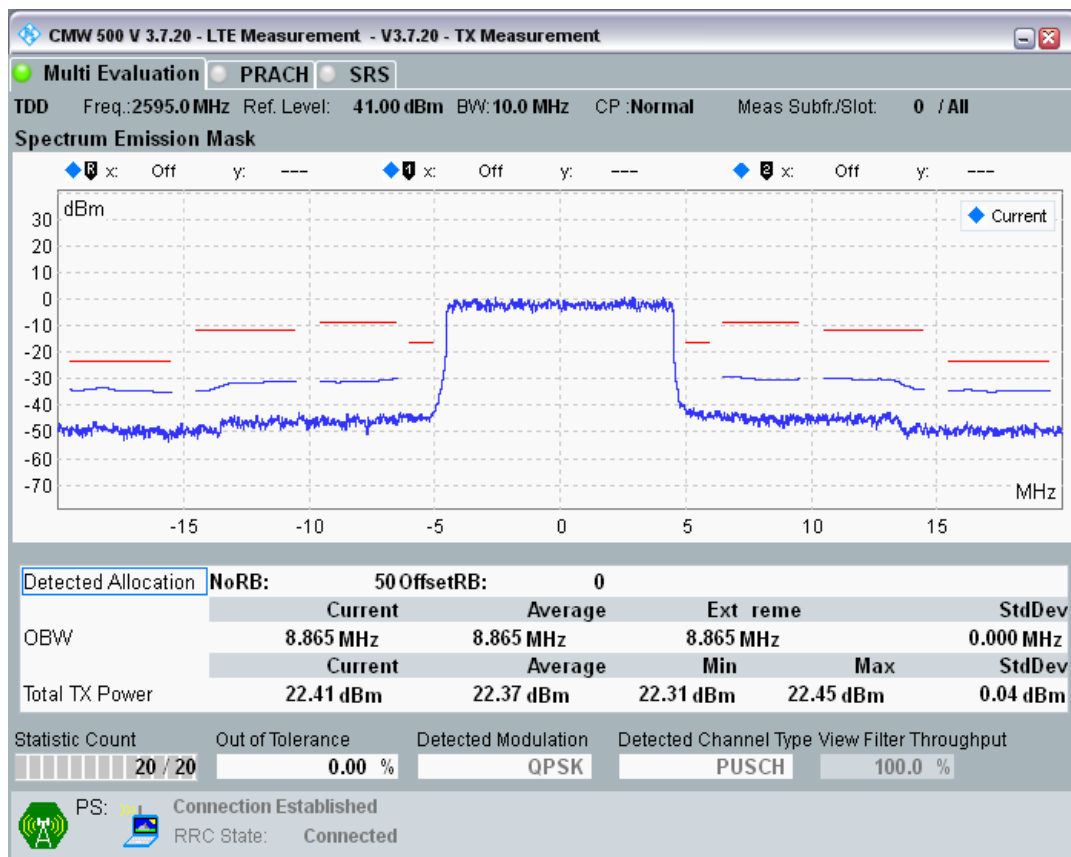
Band38 QPSK BW=10MHz Channel=38000 RB Size=12 Position=#0



Band38 QPSK BW=10MHz Channel=38000 RB Size=12 Position=#Max

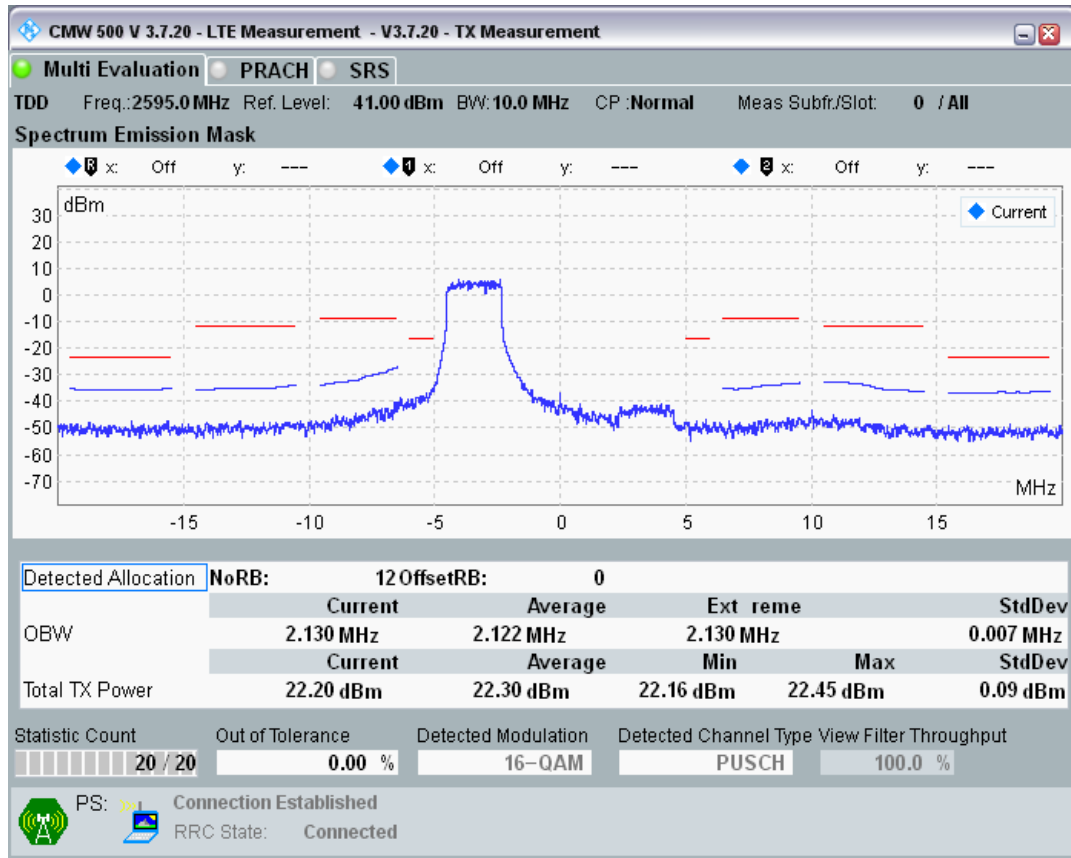


Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0

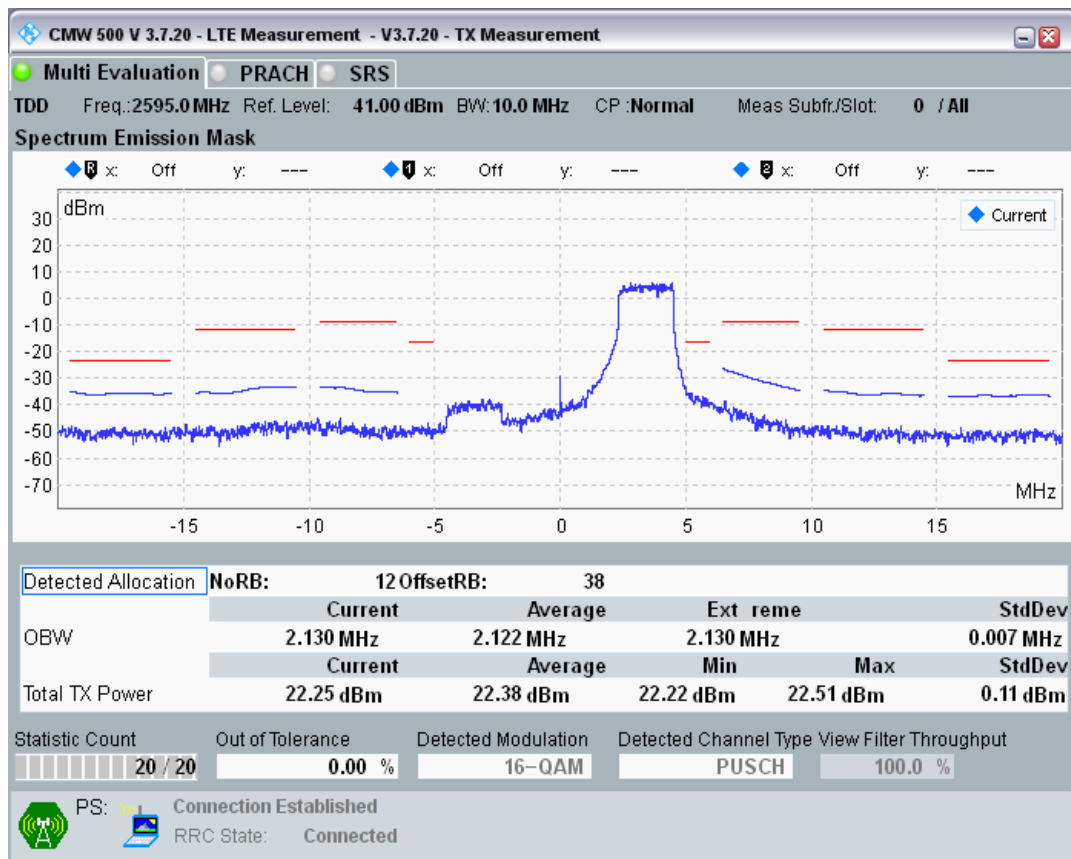




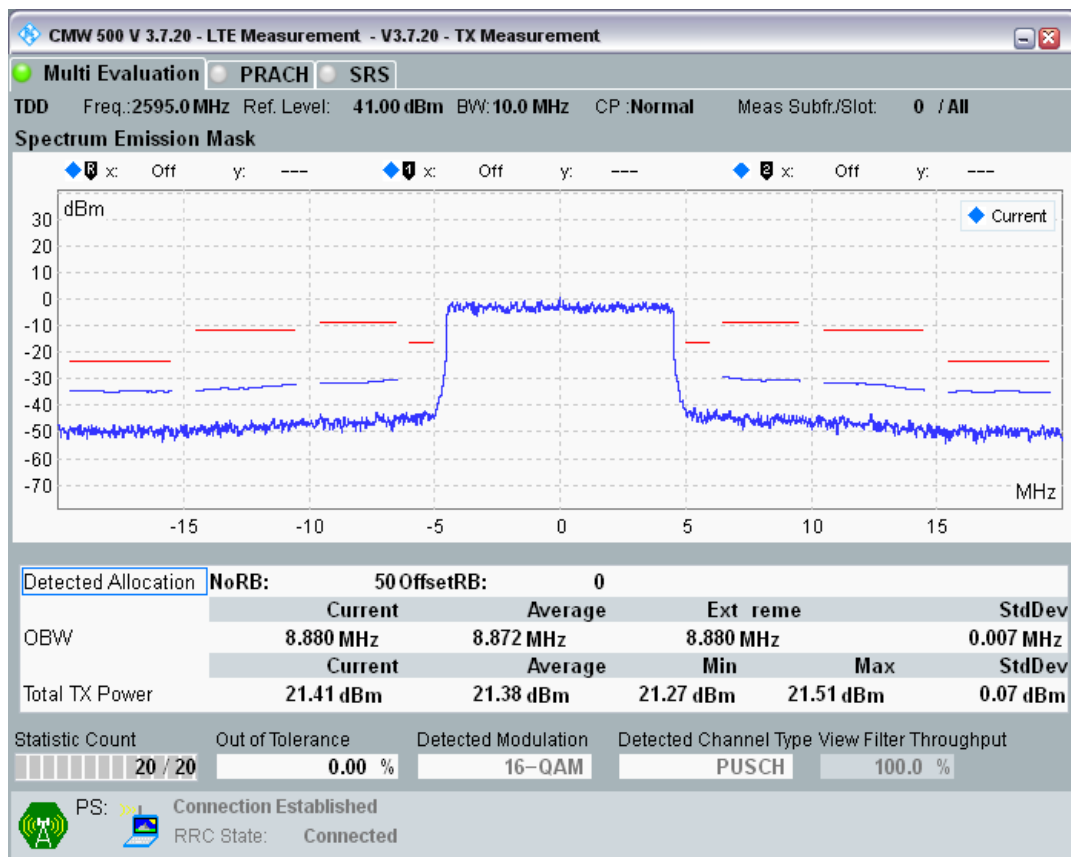
Band38 16QAM BW=10MHz Channel=38000 RB Size=12 Position=#0



Band38 16QAM BW=10MHz Channel=38000 RB Size=12 Position=#Max

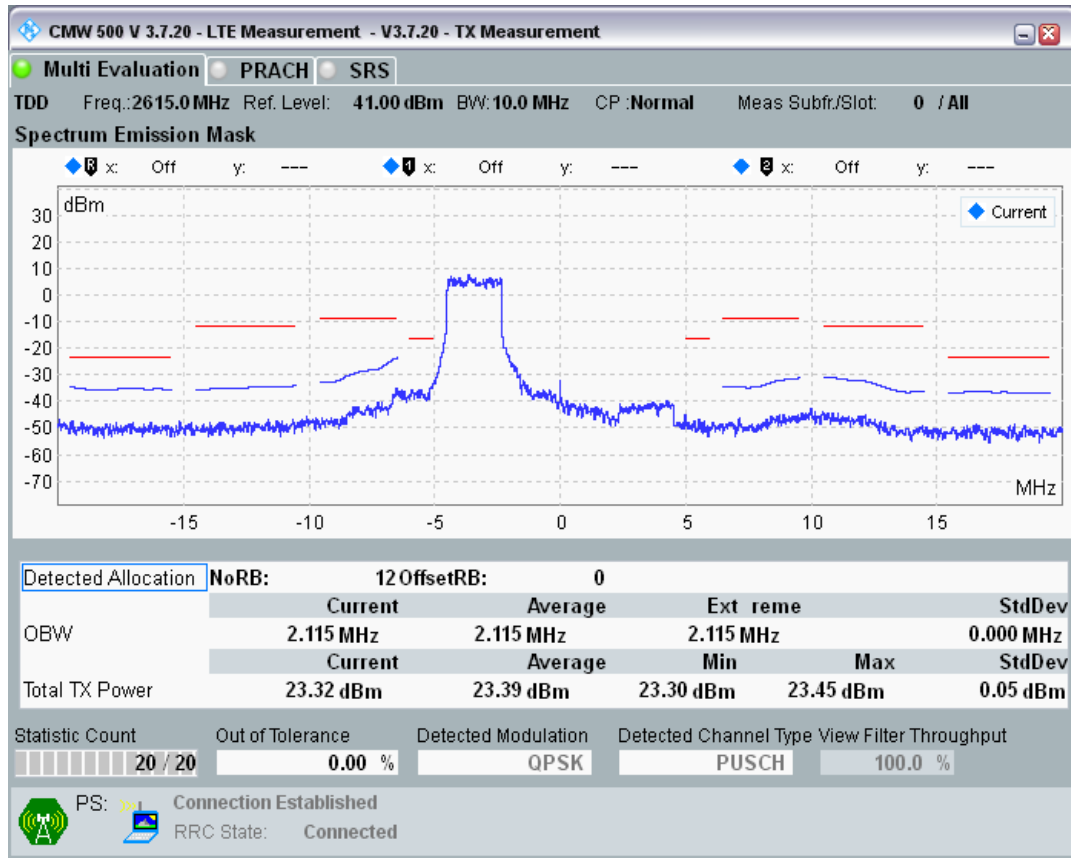


Band38 16QAM BW=10MHz Channel=38000 RB Size=50 Position=#0

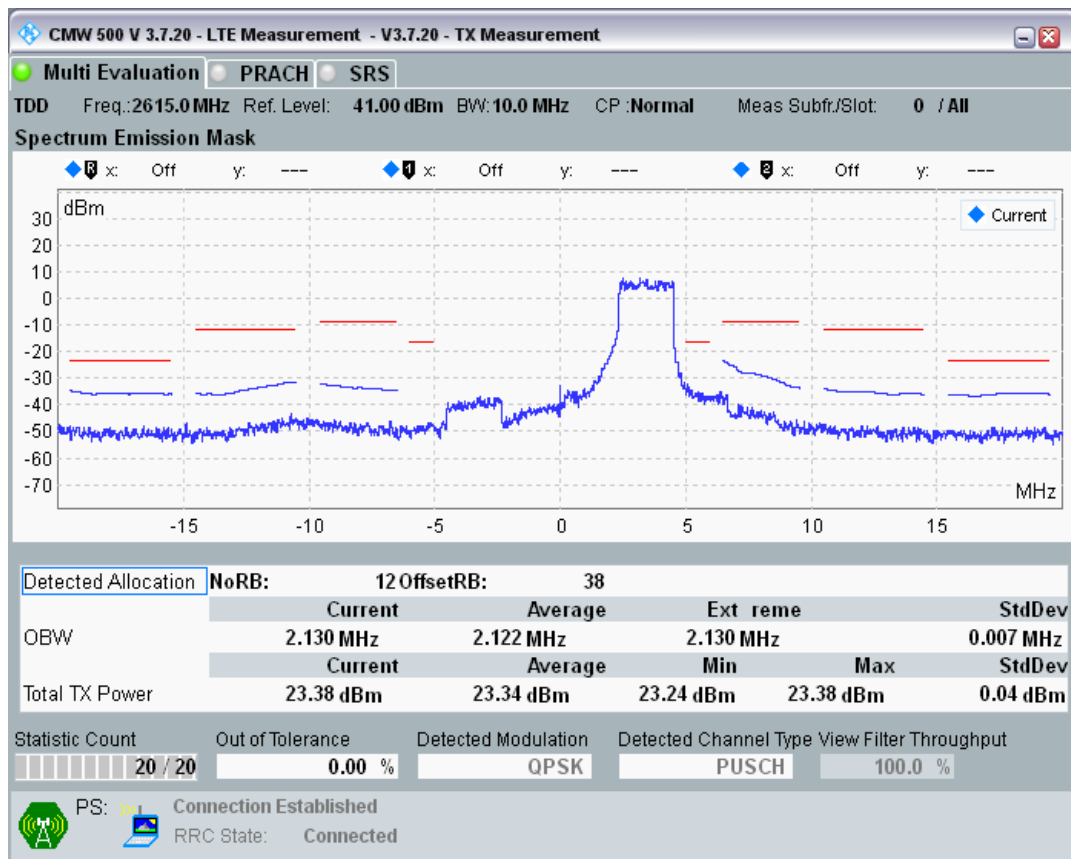




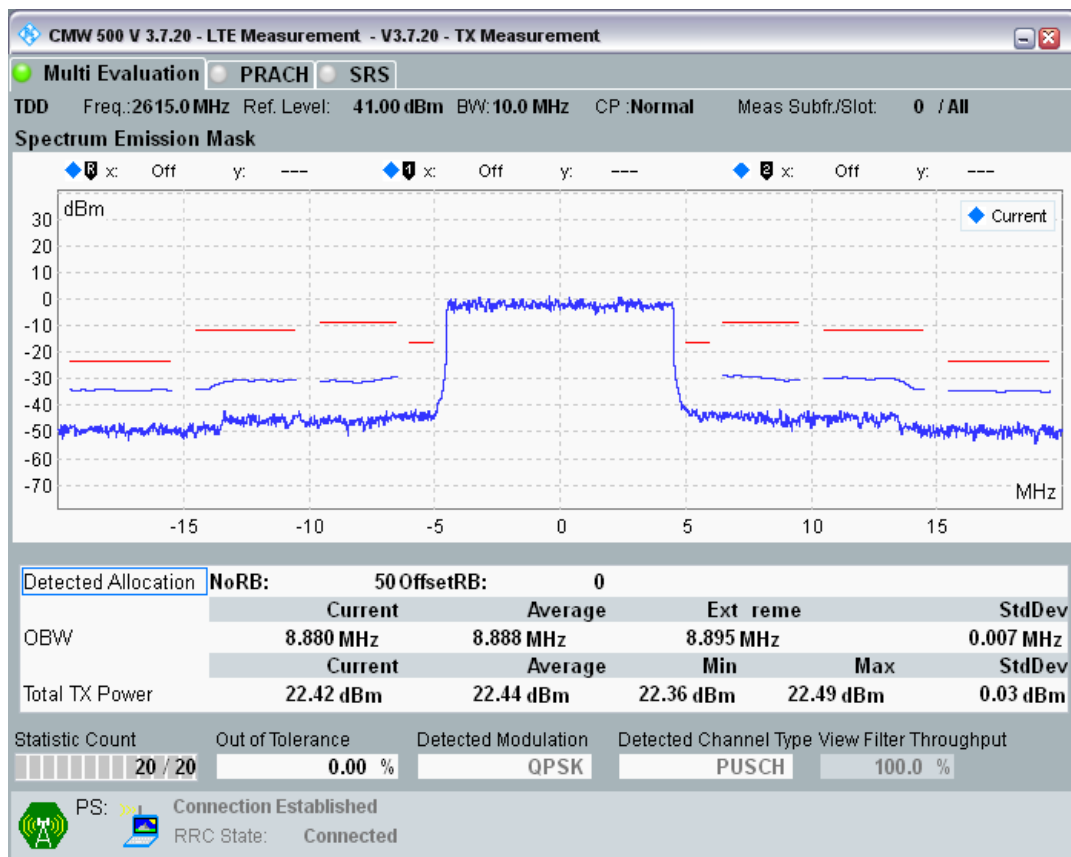
Band38 QPSK BW=10MHz Channel=38200 RB Size=12 Position=#0



Band38 QPSK BW=10MHz Channel=38200 RB Size=12 Position=#Max

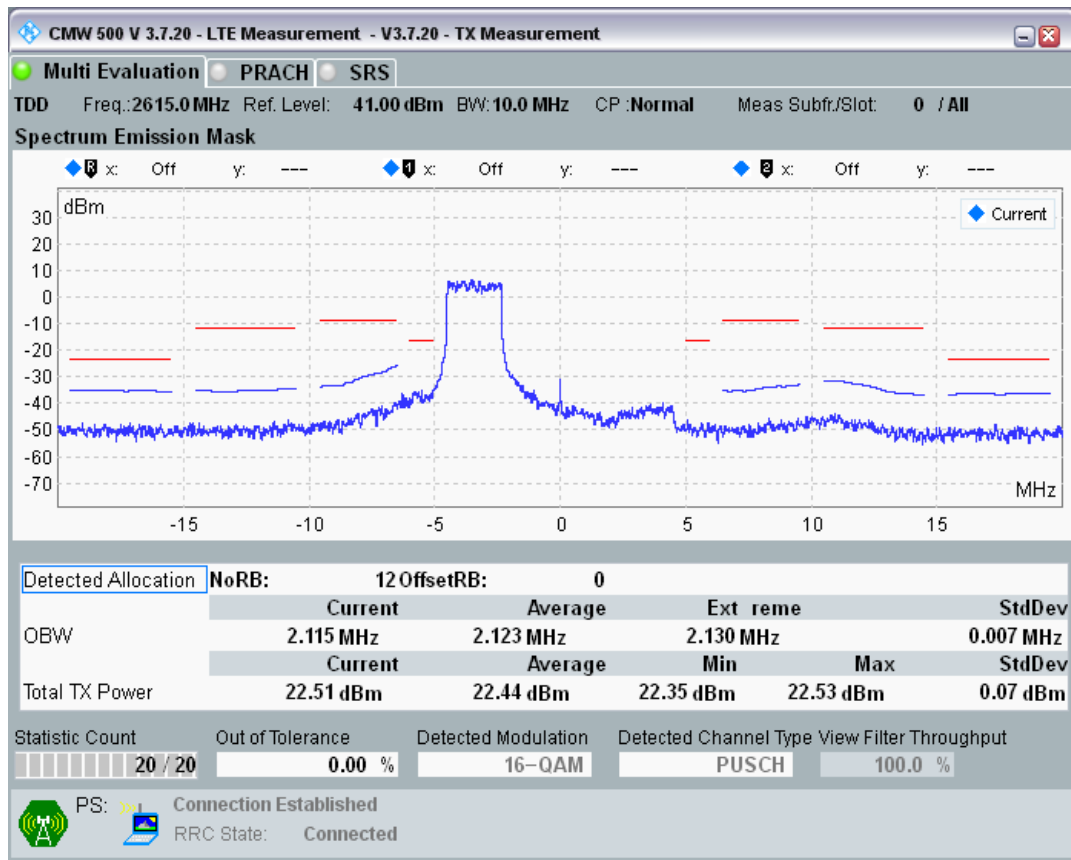


Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



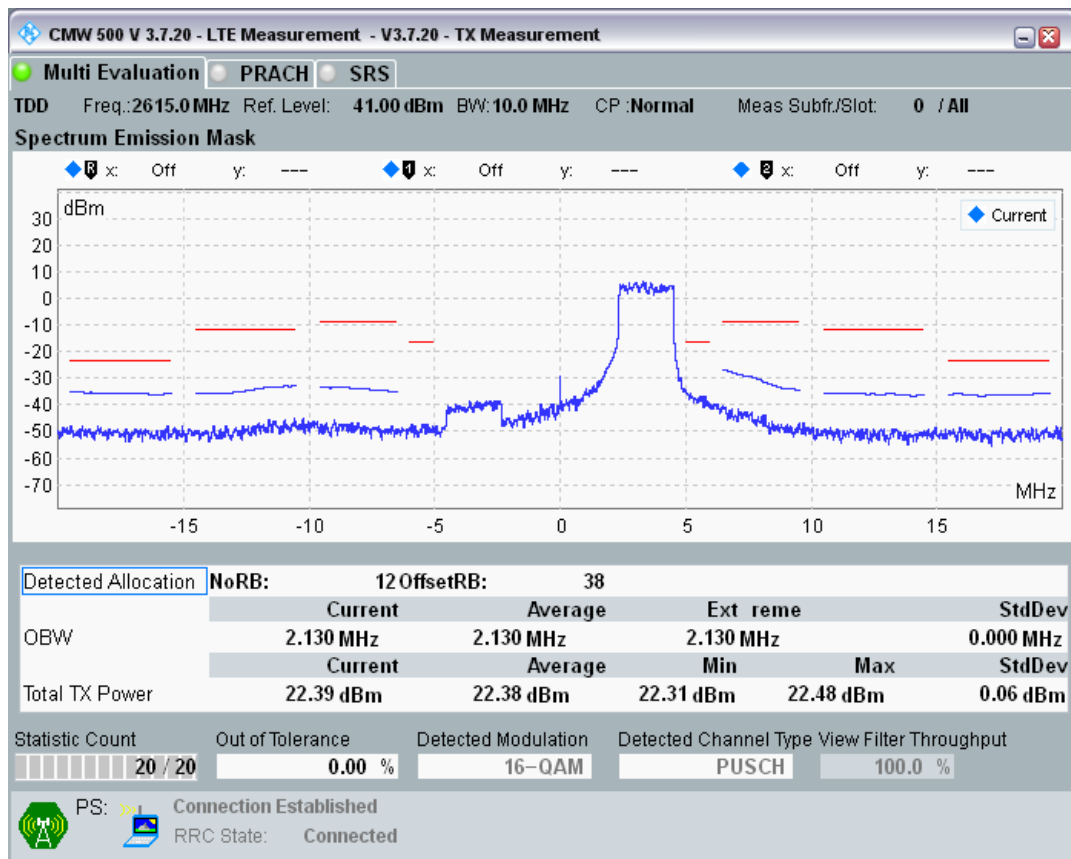


Band38 16QAM BW=10MHz Channel=38200 RB Size=12 Position=#0

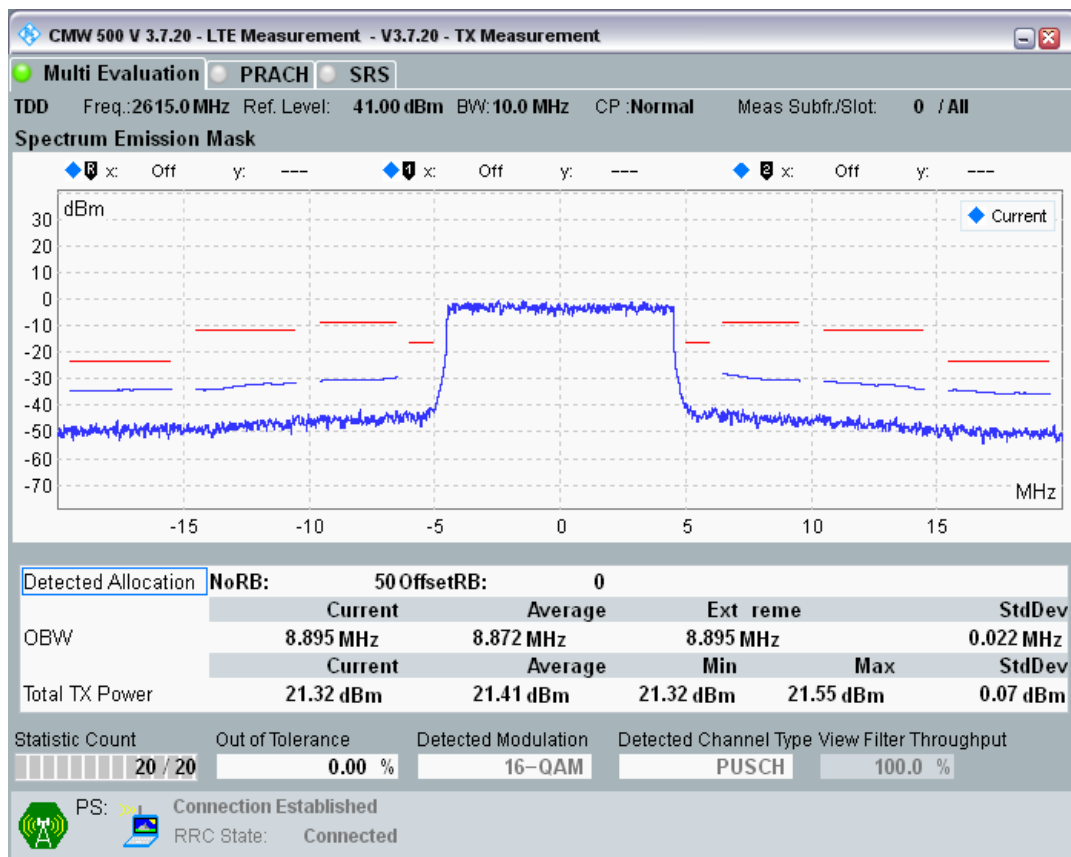


Band38 16QAM BW=10MHz Channel=38200 RB Size=12 Position=#Max



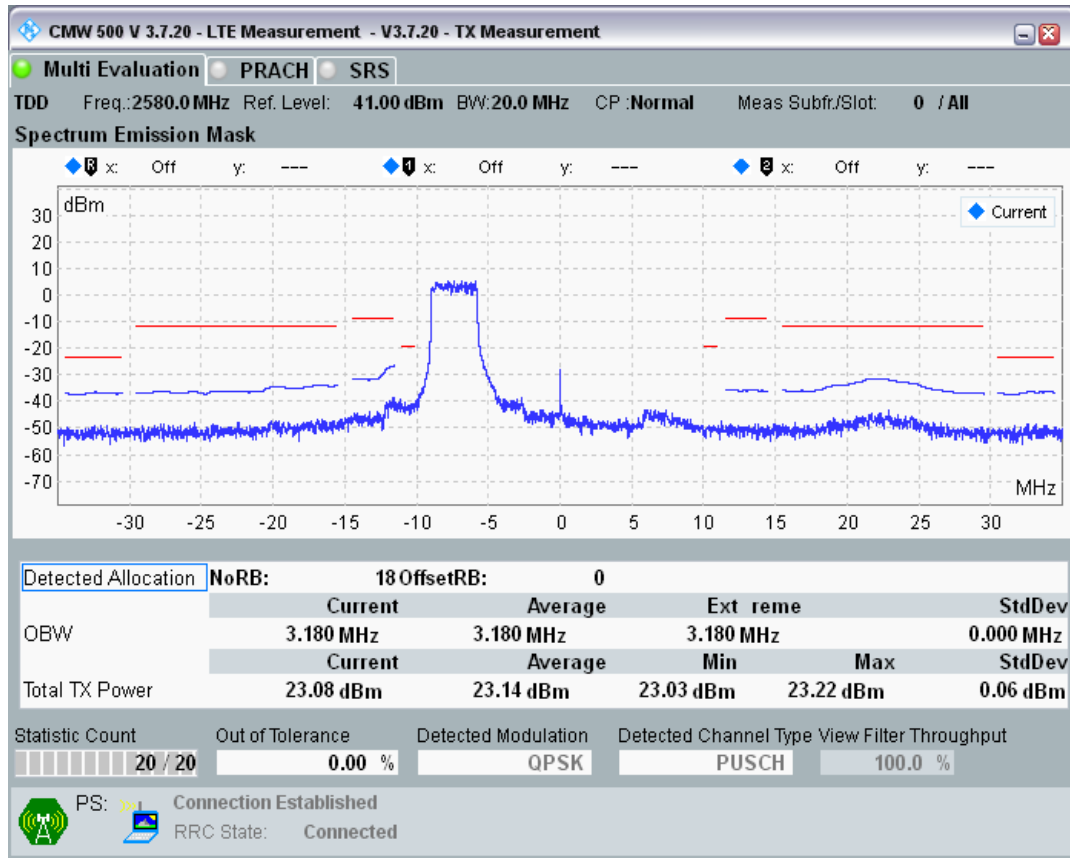


Band38 16QAM BW=10MHz Channel=38200 RB Size=50 Position=#0

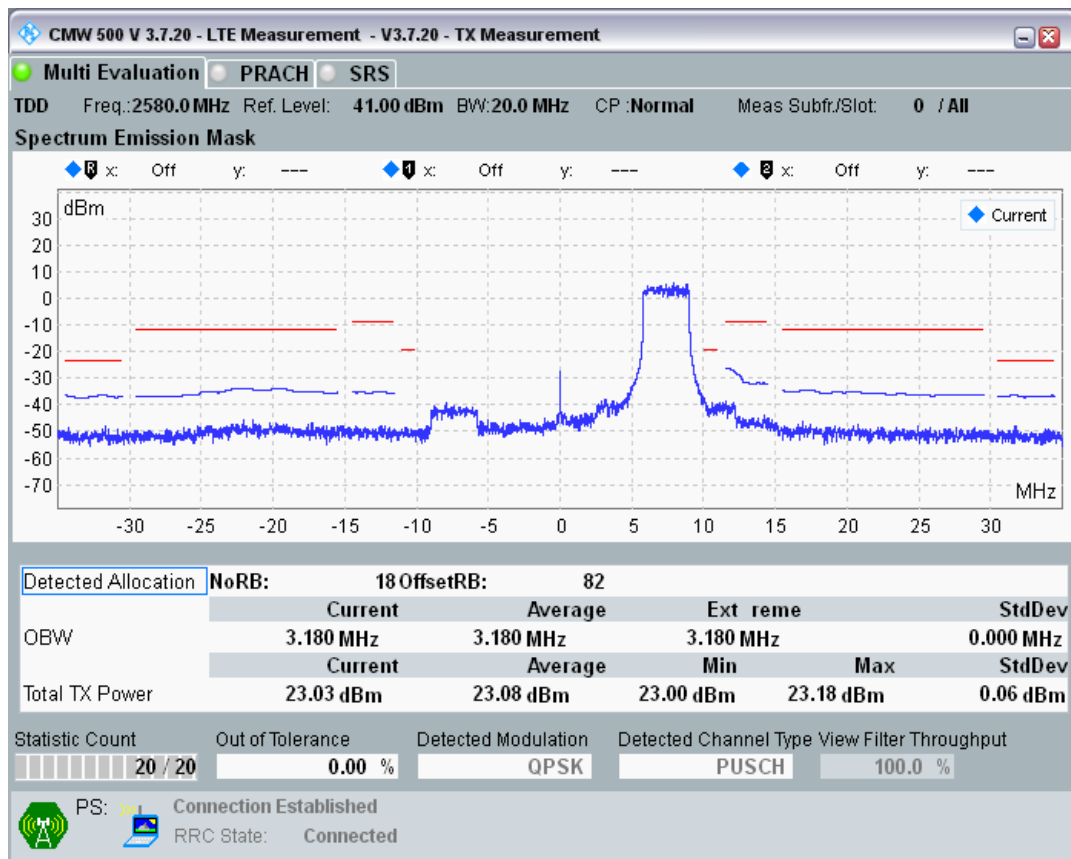




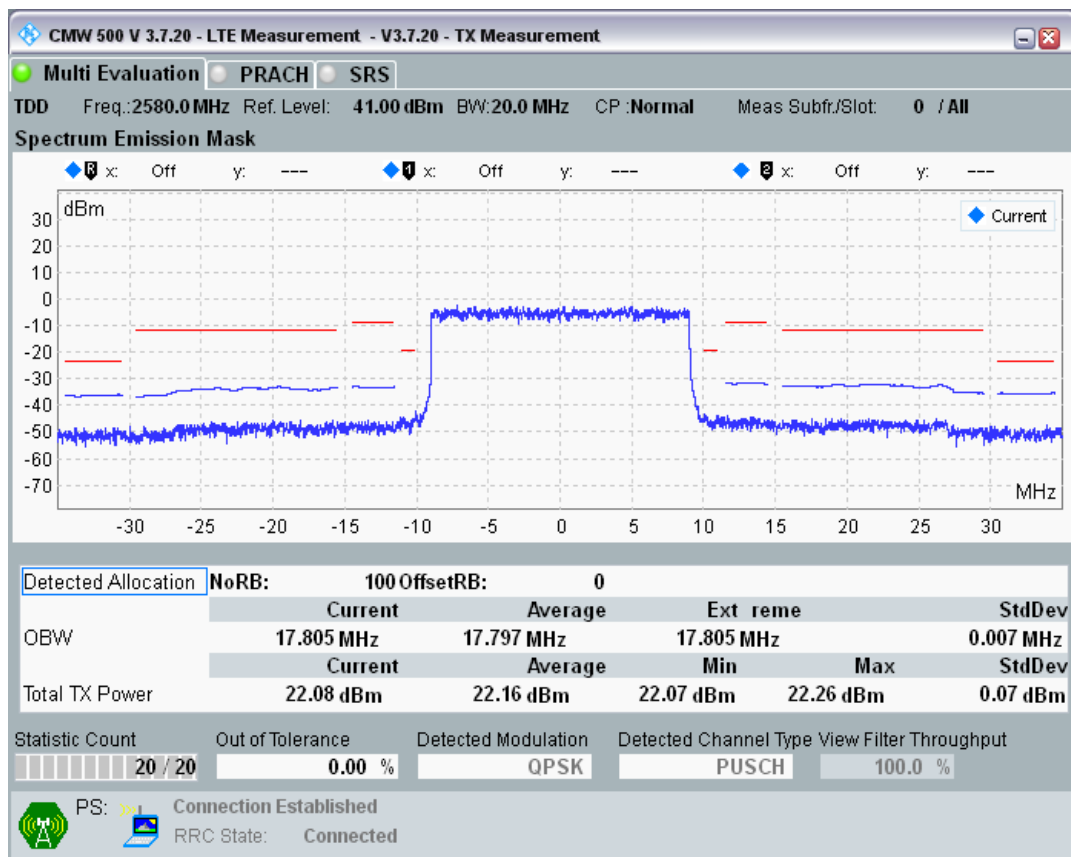
Band38 QPSK BW=20MHz Channel=37850 RB Size=18 Position=#0



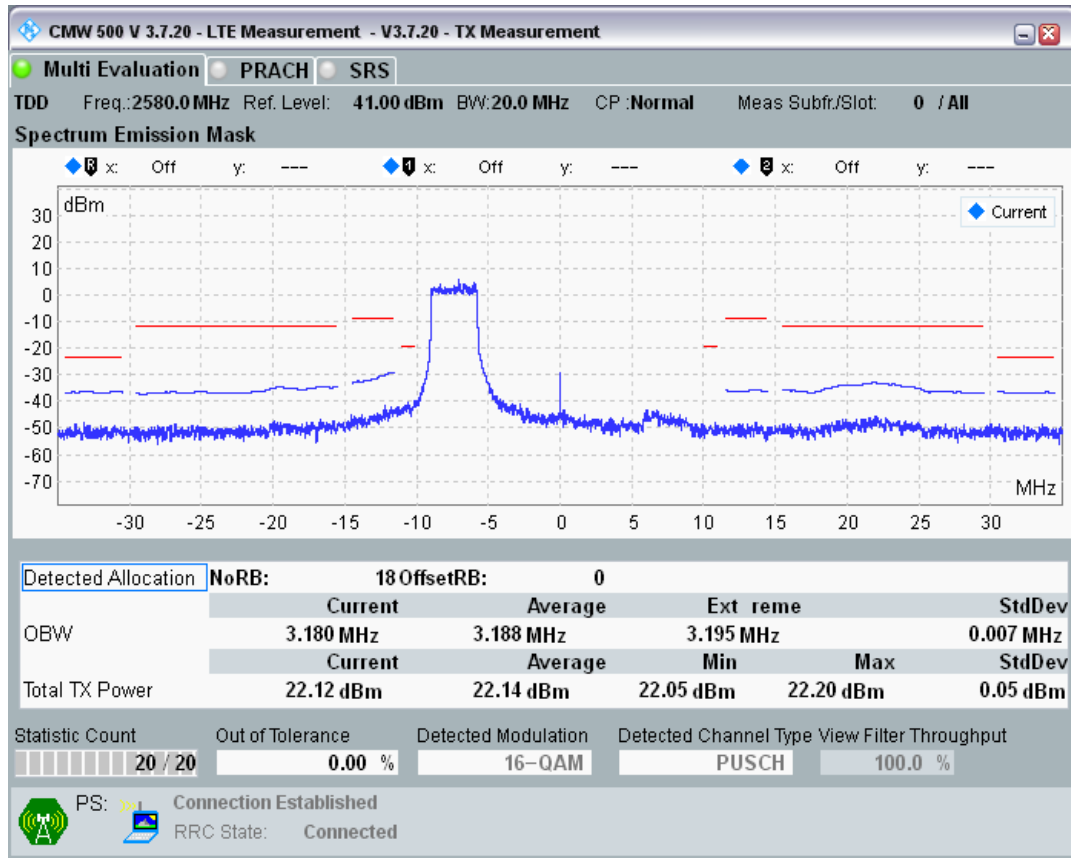
Band38 QPSK BW=20MHz Channel=37850 RB Size=18 Position=#Max



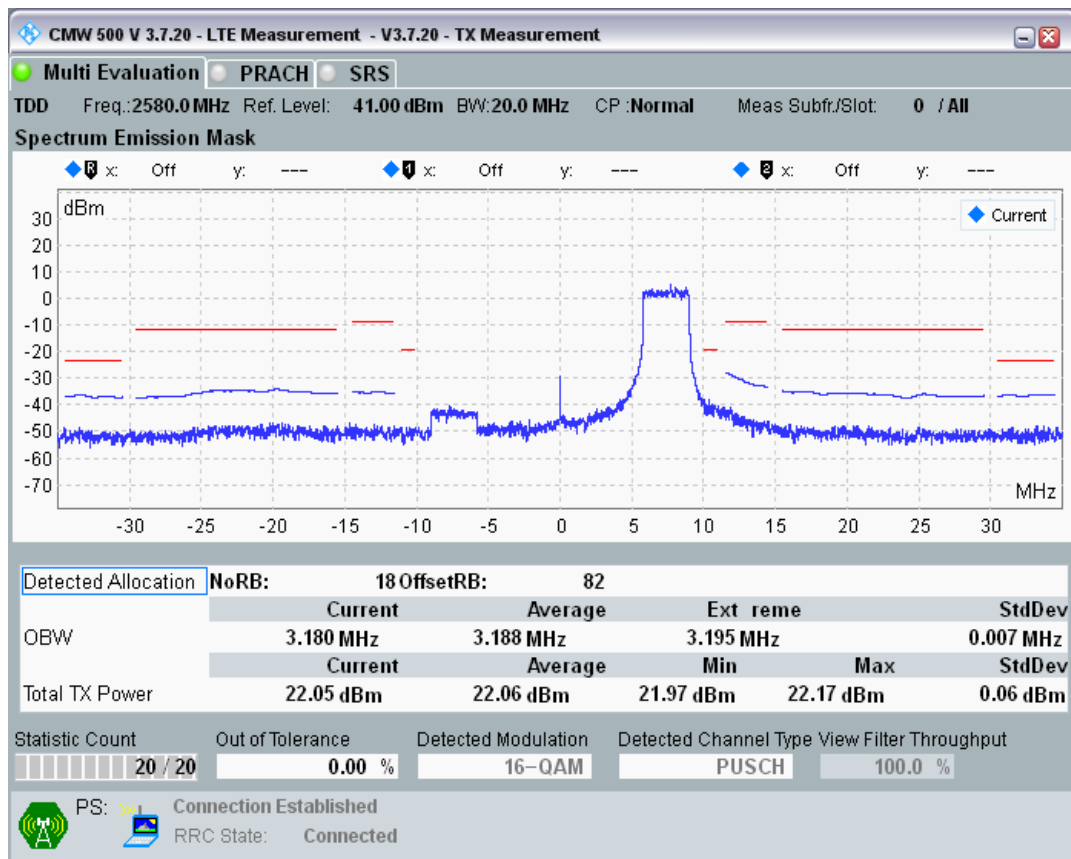
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



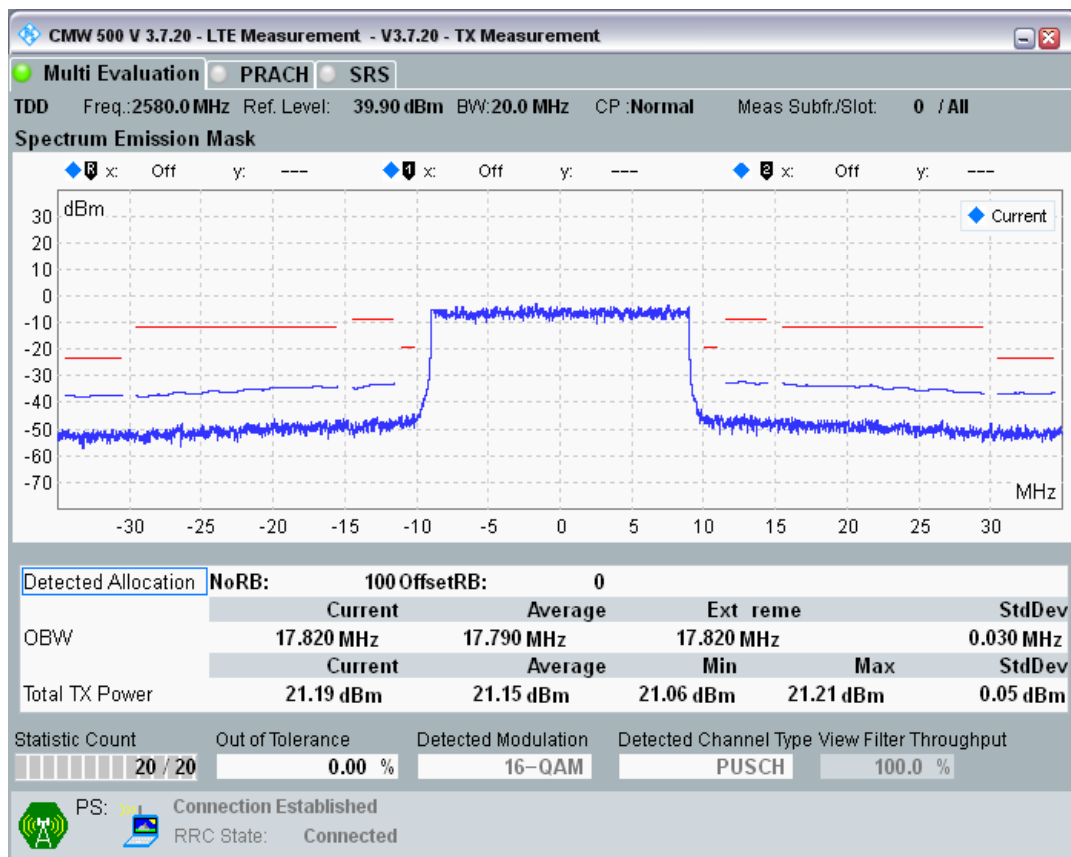
Band38 16QAM BW=20MHz Channel=37850 RB Size=18 Position=#0



Band38 16QAM BW=20MHz Channel=37850 RB Size=18 Position=#Max

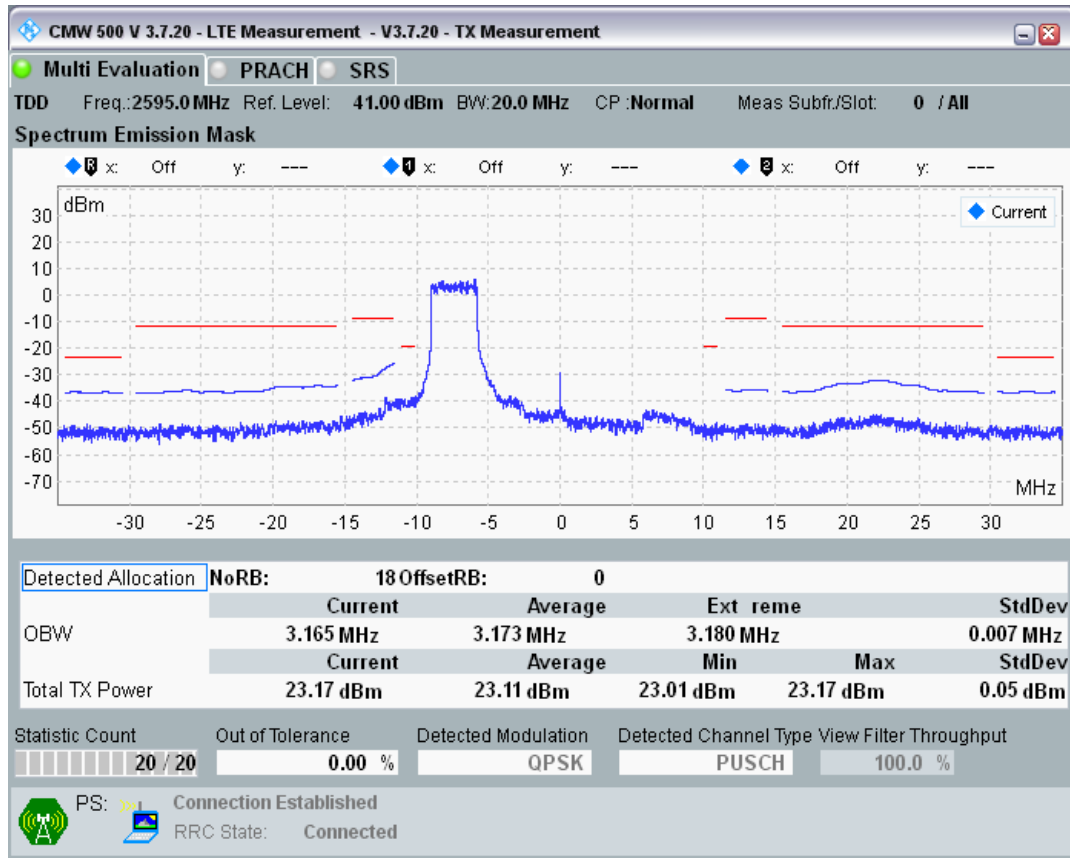


Band38 16QAM BW=20MHz Channel=37850 RB Size=100 Position=#0

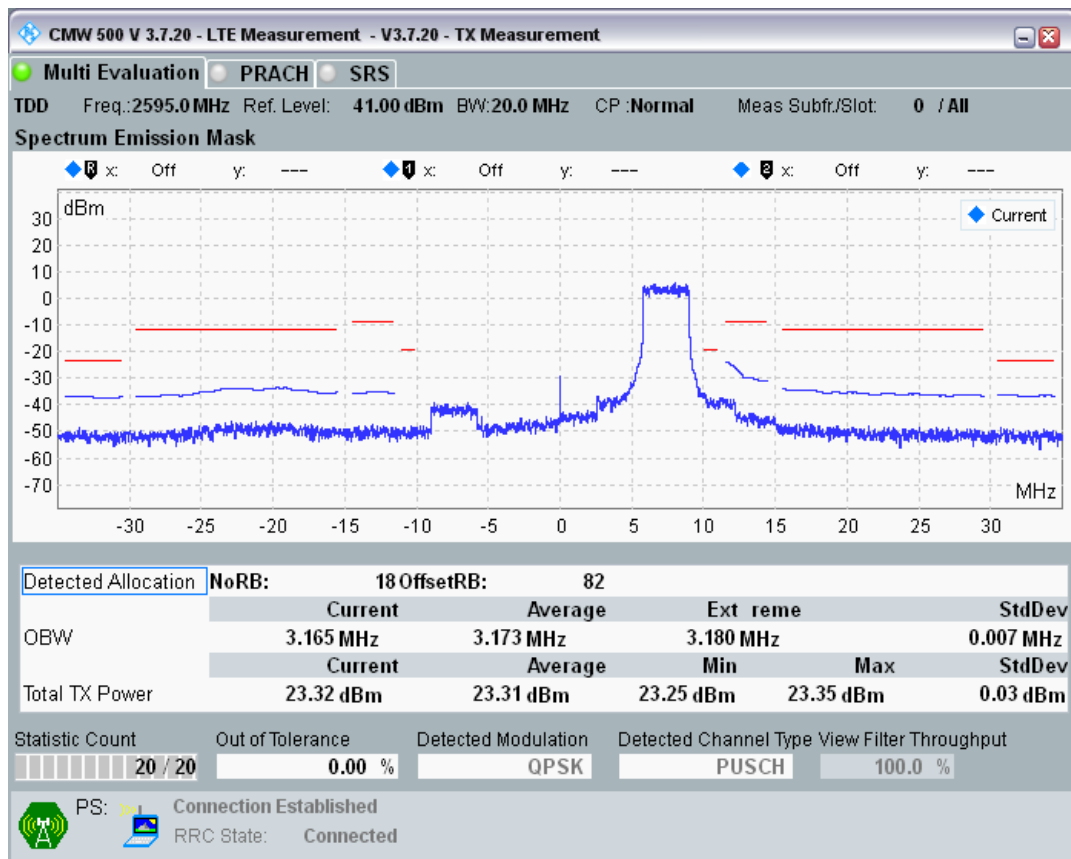




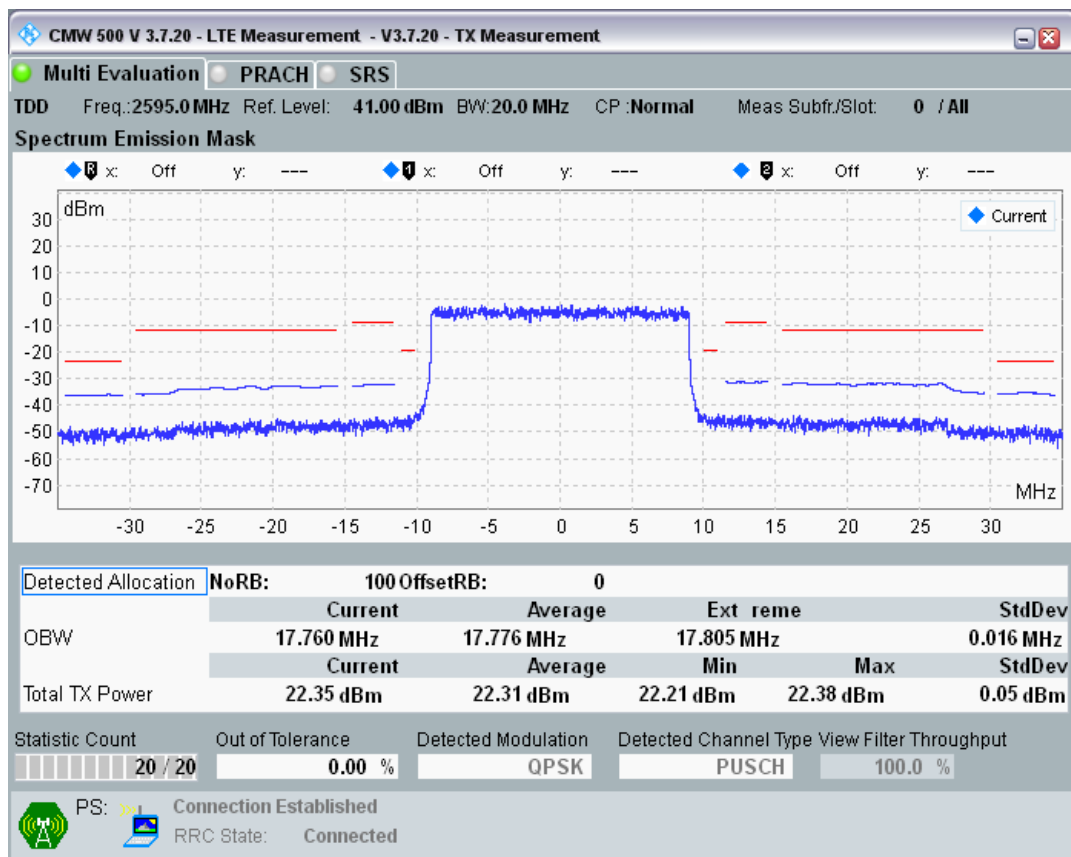
Band38 QPSK BW=20MHz Channel=38000 RB Size=18 Position=#0



Band38 QPSK BW=20MHz Channel=38000 RB Size=18 Position=#Max



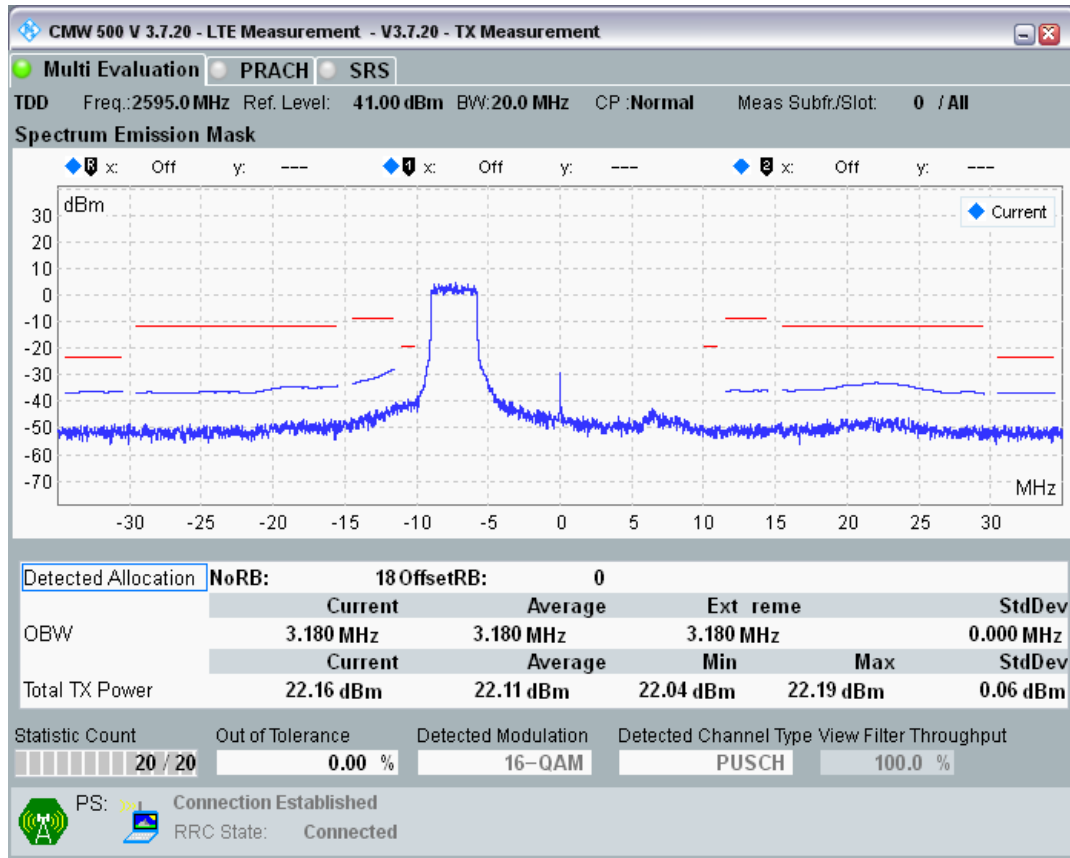
Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0



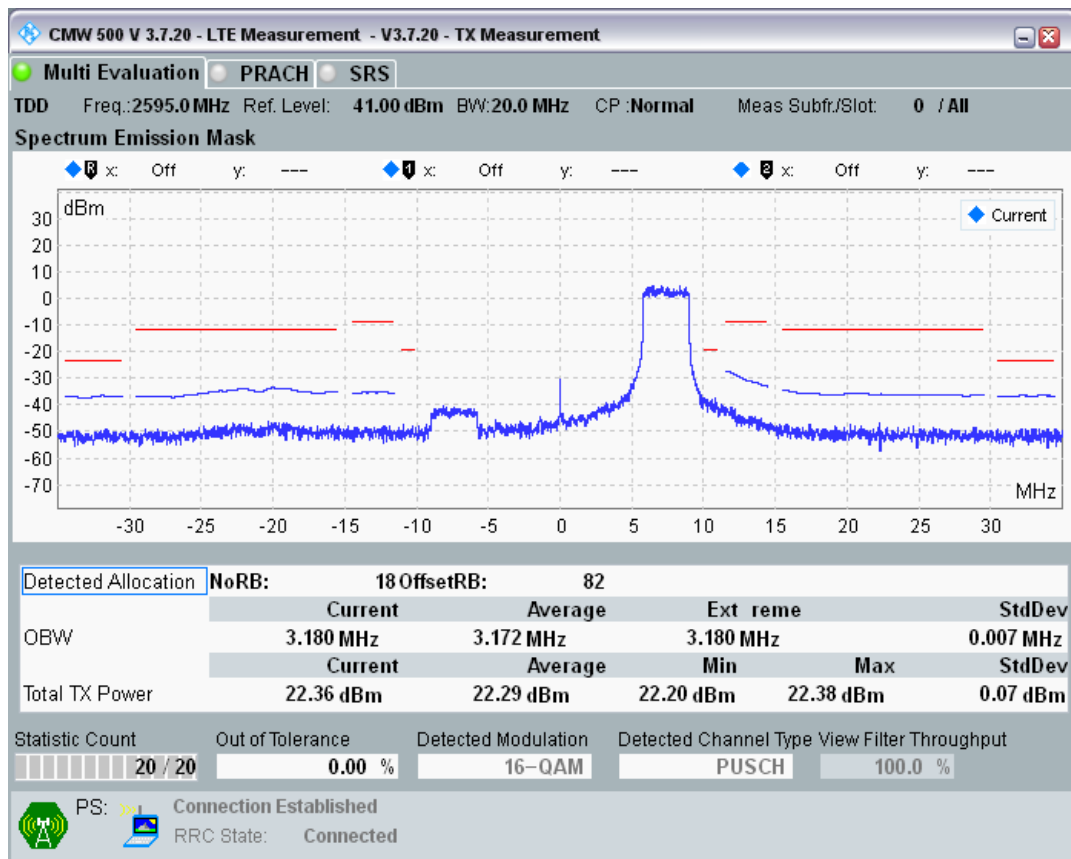




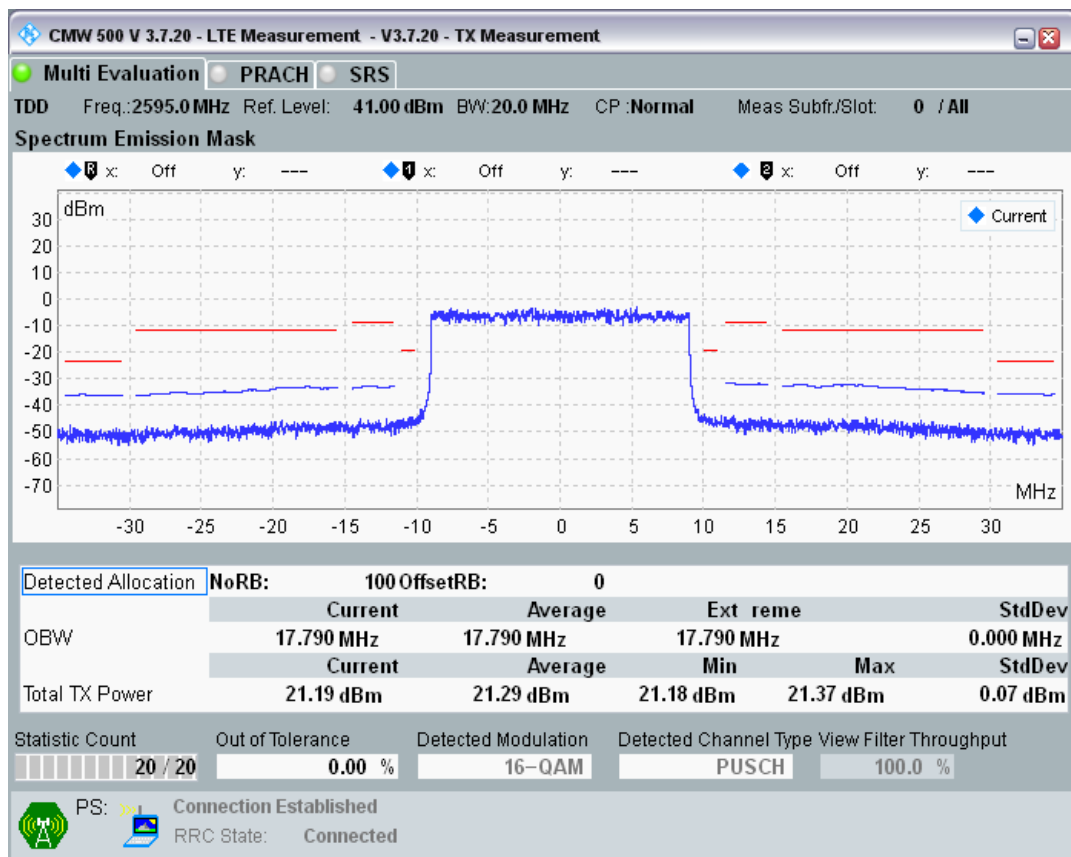
Band38 16QAM BW=20MHz Channel=38000 RB Size=18 Position=#0



Band38 16QAM BW=20MHz Channel=38000 RB Size=18 Position=#Max

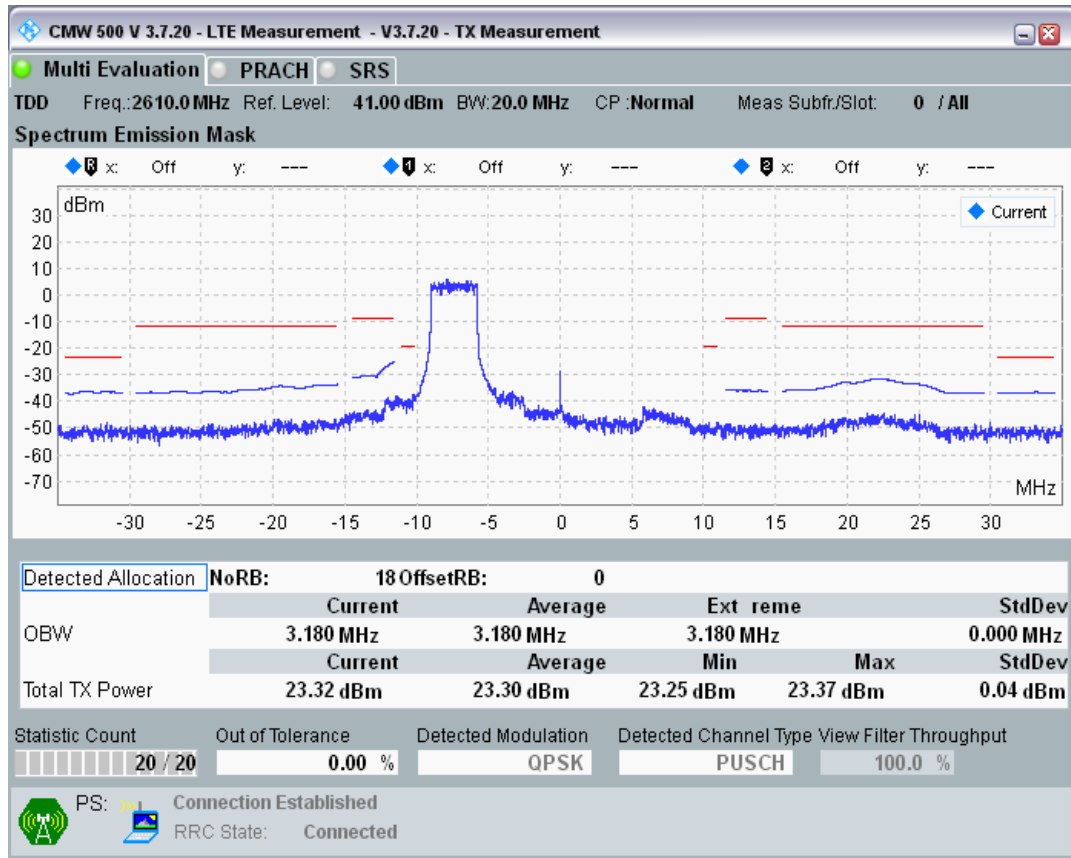


Band38 16QAM BW=20MHz Channel=38000 RB Size=100 Position=#0

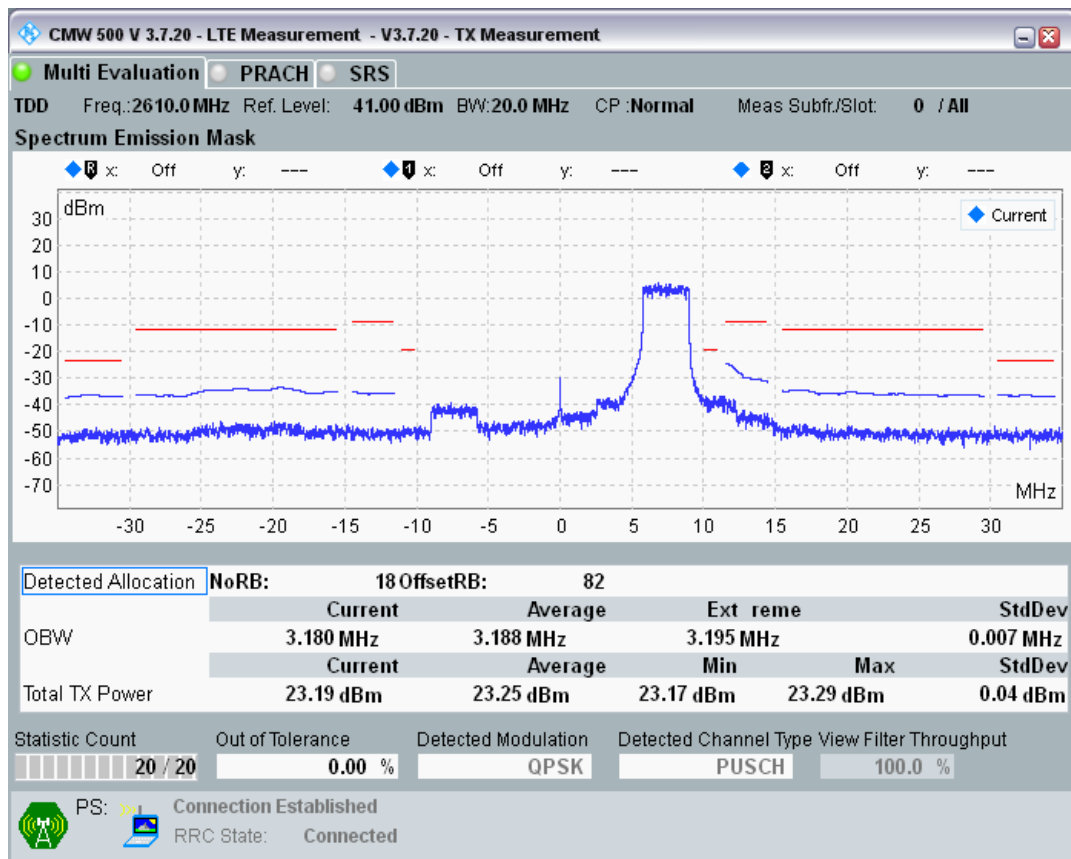




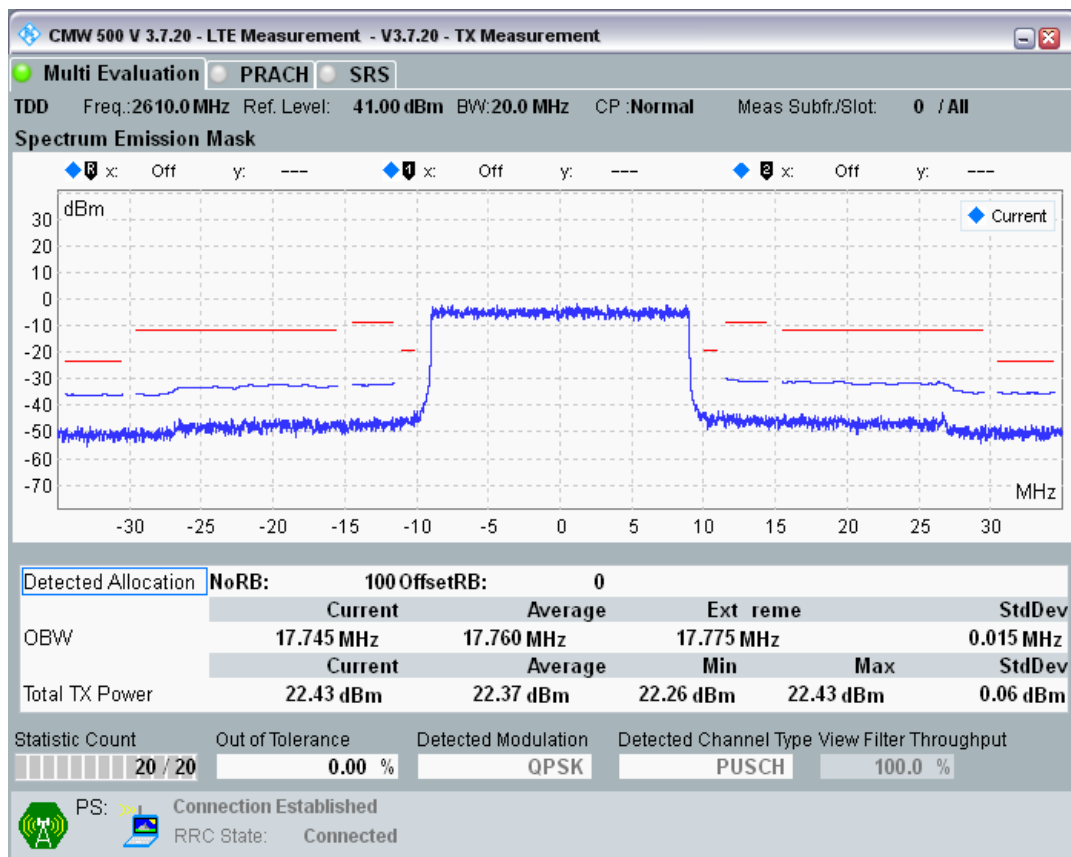
Band38 QPSK BW=20MHz Channel=38150 RB Size=18 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=18 Position=#Max

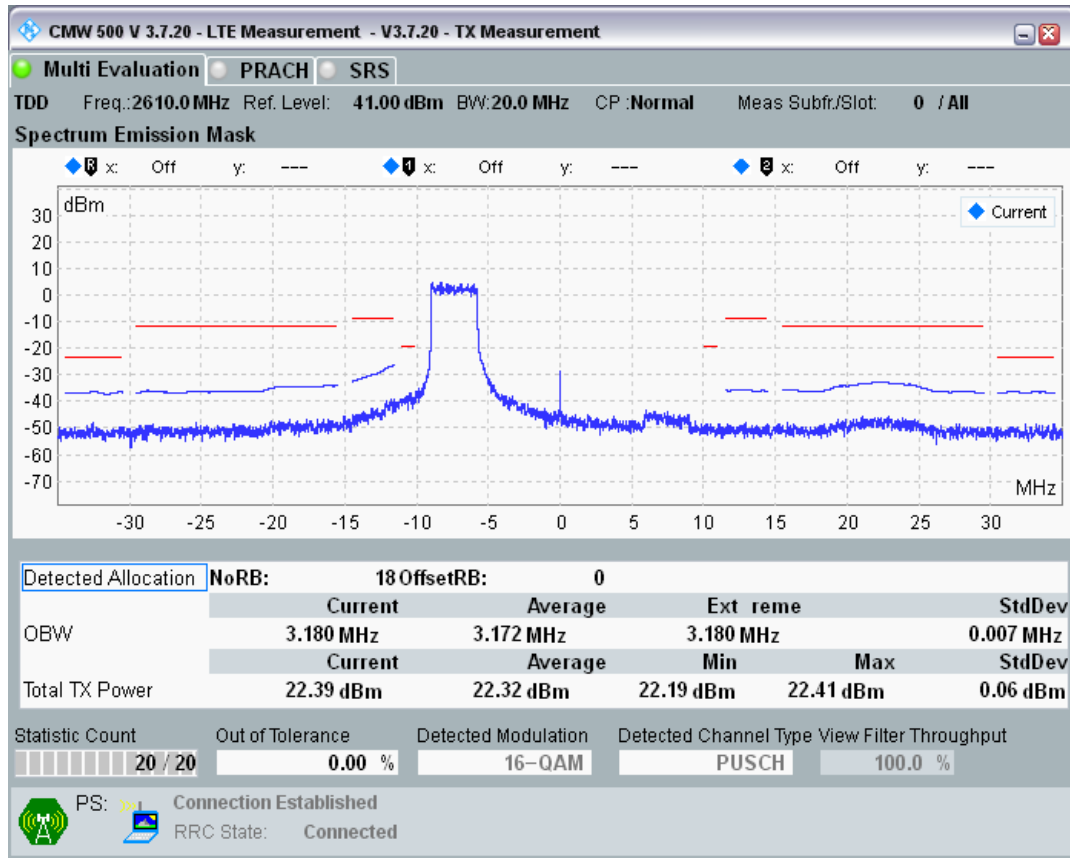


Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0

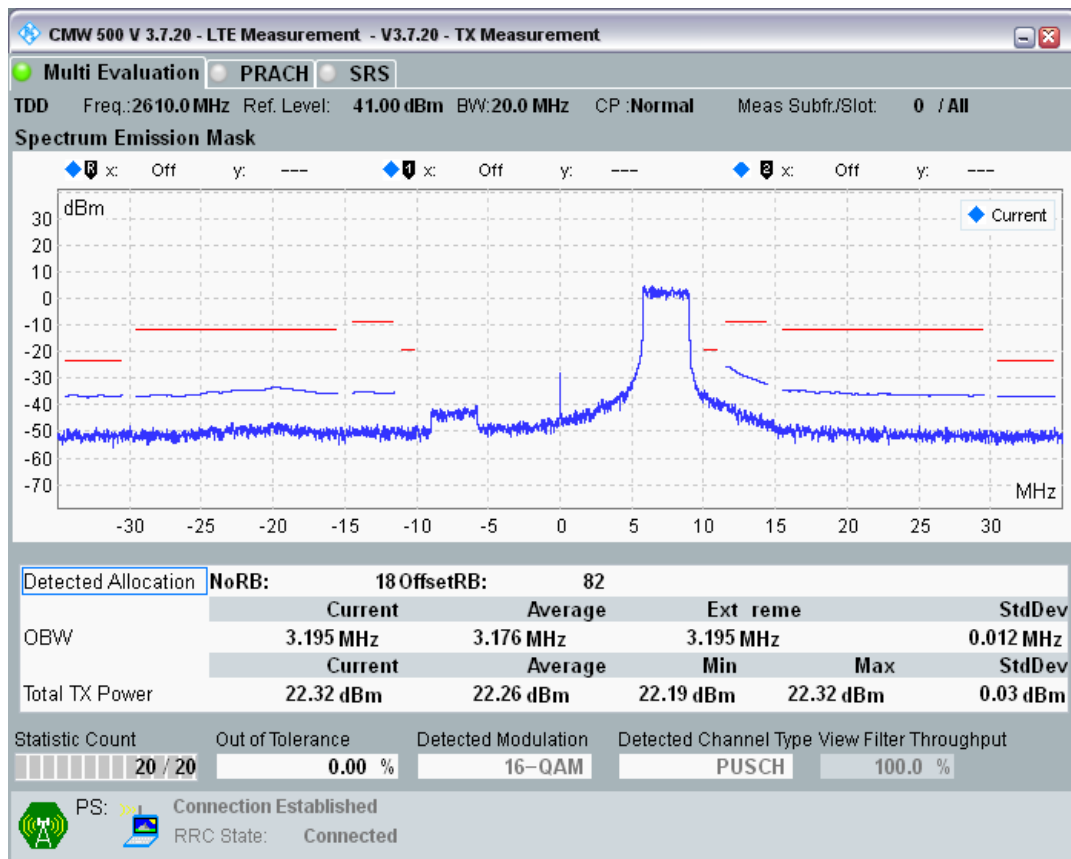




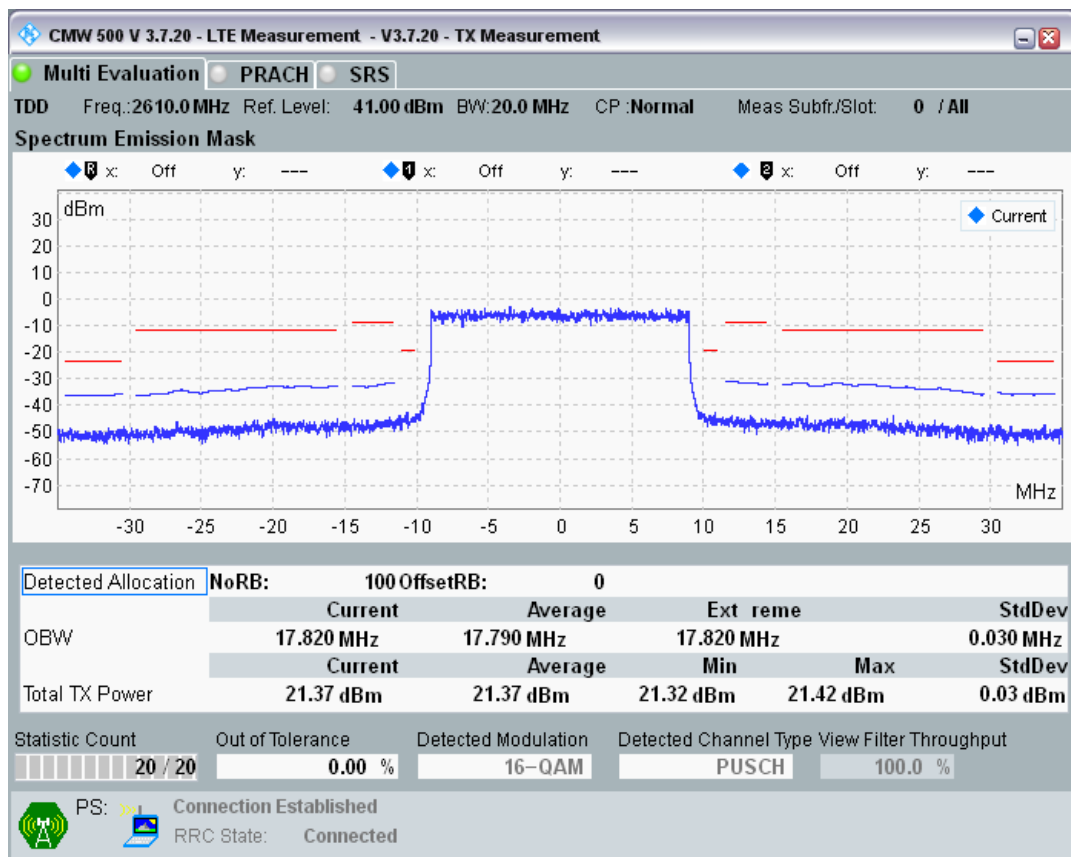
Band38 16QAM BW=20MHz Channel=38150 RB Size=18 Position=#0



Band38 16QAM BW=20MHz Channel=38150 RB Size=18 Position=#Max



Band38 16QAM BW=20MHz Channel=38150 RB Size=100 Position=#0



### Appendix 3. Transmitter Spurious Emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Range (MHz)	RBW	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	1	#0	QPSK	9 kHz-150 kHz	1 kHz	0.12	-51.22	-36	PASS
Band38	5	37775	1	#0	QPSK	150 kHz-30 MHz	10 kHz	6.18	-51.50	-36	PASS
Band38	5	37775	1	#0	QPSK	30 MHz-1000 MHz	100 kHz	899.99	-58.74	-36	PASS
Band38	5	37775	1	#0	QPSK	1000 MHz-2560.00 MHz	1 MHz	2560.00	-48.98	-30	PASS
Band38	5	37775	1	#0	QPSK	2585.00 MHz-3000 MHz	1 MHz	3000.00	-50.10	-30	PASS
Band38	5	37775	1	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	5935.56	-52.28	-30	PASS
Band38	5	37775	1	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2119.78	-58.82	-50	PASS
Band38	5	37775	1	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1869.13	-59.10	-50	PASS
Band38	5	37775	1	#0	QPSK	925 MHz-960 MHz	1 MHz	927.21	-59.60	-50	PASS
Band38	5	37775	1	#0	QPSK	791 MHz-821 MHz	1 MHz	800.15	-58.92	-50	PASS
Band38	5	37775	1	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3520.96	-57.75	-50	PASS
Band38	5	37775	1	#0	QPSK	758 MHz-803 MHz	1 MHz	799.94	-59.09	-50	PASS
Band38	5	37775	1	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	467.06	-59.77	-50	PASS
Band38	5	37775	1	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1487.46	-59.16	-50	PASS



Band38	5	37775	1	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1914.62	-58.79	-50	PASS
Band38	5	37775	1	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2020.23	-58.76	-50	PASS
Band38	5	37775	1	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2390.20	-58.52	-50	PASS
Band38	5	37775	1	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3599.60	-57.84	-50	PASS
Band38	5	37775	1	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3654.80	-58.10	-50	PASS
Band38	5	37775	1	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2139.88	-58.81	-50	PASS
Band38	5	37775	1	#0	QPSK	738 MHz-758 MHz	1 MHz	749.82	-59.16	-50	PASS
Band38	5	37775	1	#0	QPSK	753 MHz-783 MHz	1 MHz	781.53	-59.41	-50	PASS
Band38	5	37775	1	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2643.68	-51.16	-15.5	PASS
Band38	5	37775	1	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2660.08	-51.12	1.6	PASS
Band38	5	37775	1	#Max	QPSK	9 kHz-150 kHz	1 kHz	0.01	-51.08	-36	PASS
Band38	5	37775	1	#Max	QPSK	150 kHz-30 MHz	10 kHz	6.56	-49.18	-36	PASS
Band38	5	37775	1	#Max	QPSK	30 MHz-1000 MHz	100 kHz	899.99	-58.74	-36	PASS
Band38	5	37775	1	#Max	QPSK	1000 MHz-2560.00 MHz	1 MHz	2558.44	-49.15	-30	PASS
Band38	5	37775	1	#Max	QPSK	2585.00 MHz-3000 MHz	1 MHz	2999.65	-50.05	-30	PASS
Band38	5	37775	1	#Max	QPSK	3000 MHz-12.75 GHz	1 MHz	6487.25	-52.31	-30	PASS

Band38	5	37775	1	#Max	QPSK	2110 MHz-2170 MHz	1 MHz	2119.96	-58.83	-50	PASS
Band38	5	37775	1	#Max	QPSK	1805 MHz-1880 MHz	1 MHz	1856.75	-59.06	-50	PASS
Band38	5	37775	1	#Max	QPSK	925 MHz-960 MHz	1 MHz	927.87	-59.61	-50	PASS
Band38	5	37775	1	#Max	QPSK	791 MHz-821 MHz	1 MHz	800.21	-59.06	-50	PASS
Band38	5	37775	1	#Max	QPSK	3510 MHz-3590 MHz	1 MHz	3586.56	-58.08	-50	PASS
Band38	5	37775	1	#Max	QPSK	758 MHz-803 MHz	1 MHz	799.99	-59.08	-50	PASS
Band38	5	37775	1	#Max	QPSK	462.5 MHz-467.5 MHz	1 MHz	465.38	-59.81	-50	PASS
Band38	5	37775	1	#Max	QPSK	1452 MHz-1496 MHz	1 MHz	1490.72	-59.12	-50	PASS
Band38	5	37775	1	#Max	QPSK	1900 MHz-1920 MHz	1 MHz	1917.30	-58.82	-50	PASS
Band38	5	37775	1	#Max	QPSK	2010 MHz-2025 MHz	1 MHz	2019.48	-58.77	-50	PASS
Band38	5	37775	1	#Max	QPSK	2300 MHz-2400 MHz	1 MHz	2380.10	-58.51	-50	PASS
Band38	5	37775	1	#Max	QPSK	3400 MHz-3600 MHz	1 MHz	3598.00	-57.72	-50	PASS
Band38	5	37775	1	#Max	QPSK	3600 MHz-3800 MHz	1 MHz	3654.00	-58.26	-50	PASS
Band38	5	37775	1	#Max	QPSK	2110 MHz-2200 MHz	1 MHz	2139.79	-58.81	-50	PASS
Band38	5	37775	1	#Max	QPSK	738 MHz-758 MHz	1 MHz	757.02	-59.04	-50	PASS
Band38	5	37775	1	#Max	QPSK	753 MHz-783 MHz	1 MHz	781.86	-59.38	-50	PASS

Band38	5	37775	1	#Max	QPSK	2620 MHz-2645 MHz	5 MHz	2638.55	-51.21	-15.5	PASS
Band38	5	37775	1	#Max	QPSK	2645 MHz-2690 MHz	5 MHz	2662.51	-51.10	1.6	PASS
Band38	5	37775	25	#0	QPSK	9 kHz-150 kHz	1 kHz	0.12	-50.19	-36	PASS
Band38	5	37775	25	#0	QPSK	150 kHz-30 MHz	10 kHz	6.03	-47.96	-36	PASS
Band38	5	37775	25	#0	QPSK	30 MHz-1000 MHz	100 kHz	899.99	-58.93	-36	PASS
Band38	5	37775	25	#0	QPSK	1000 MHz-2560.00 MHz	1 MHz	2558.44	-43.93	-30	PASS
Band38	5	37775	25	#0	QPSK	2585.00 MHz-3000 MHz	1 MHz	2585.35	-44.91	-30	PASS
Band38	5	37775	25	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	6536.00	-52.28	-30	PASS
Band38	5	37775	25	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2140.00	-58.77	-50	PASS
Band38	5	37775	25	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1867.48	-59.06	-50	PASS
Band38	5	37775	25	#0	QPSK	925 MHz-960 MHz	1 MHz	929.10	-59.60	-50	PASS
Band38	5	37775	25	#0	QPSK	791 MHz-821 MHz	1 MHz	799.85	-59.11	-50	PASS
Band38	5	37775	25	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3588.56	-57.97	-50	PASS
Band38	5	37775	25	#0	QPSK	758 MHz-803 MHz	1 MHz	800.03	-59.08	-50	PASS
Band38	5	37775	25	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	464.17	-59.76	-50	PASS
Band38	5	37775	25	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1481.17	-59.16	-50	PASS
Band38	5	37775	25	#0	QPSK	1900	1	1911.52	-58.83	-50	PASS

						MHz-1920 MHz	MHz				
Band38	5	37775	25	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2019.39	-58.73	-50	PASS
Band38	5	37775	25	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2392.10	-58.55	-50	PASS
Band38	5	37775	25	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3598.20	-57.85	-50	PASS
Band38	5	37775	25	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3704.60	-58.29	-50	PASS
Band38	5	37775	25	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2120.44	-58.75	-50	PASS
Band38	5	37775	25	#0	QPSK	738 MHz-758 MHz	1 MHz	750.12	-59.13	-50	PASS
Band38	5	37775	25	#0	QPSK	753 MHz-783 MHz	1 MHz	781.95	-59.26	-50	PASS
Band38	5	37775	25	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2644.55	-51.17	-15.5	PASS
Band38	5	37775	25	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2661.79	-51.09	1.6	PASS
Band38	5	37775	1	#0	16QAM	9 kHz-150 kHz	1 kHz	0.12	-50.27	-36	PASS
Band38	5	37775	1	#0	16QAM	150 kHz-30 MHz	10 kHz	6.73	-49.85	-36	PASS
Band38	5	37775	1	#0	16QAM	30 MHz-1000 MHz	100 kHz	799.99	-58.94	-36	PASS
Band38	5	37775	1	#0	16QAM	1000 MHz-2560.00 MHz	1 MHz	2455.48	-48.73	-30	PASS
Band38	5	37775	1	#0	16QAM	2585.00 MHz-3000 MHz	1 MHz	2998.27	-50.13	-30	PASS
Band38	5	37775	1	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	5918.50	-52.24	-30	PASS
Band38	5	37775	1	#0	16QAM	2110	1	2139.94	-58.72	-50	PASS

						MHz-2170 MHz	MHz				
Band38	5	37775	1	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1872.95	-59.11	-50	PASS
Band38	5	37775	1	#0	16QAM	925 MHz-960 MHz	1 MHz	927.49	-59.62	-50	PASS
Band38	5	37775	1	#0	16QAM	791 MHz-821 MHz	1 MHz	799.94	-59.02	-50	PASS
Band38	5	37775	1	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3589.52	-58.01	-50	PASS
Band38	5	37775	1	#0	16QAM	758 MHz-803 MHz	1 MHz	799.94	-59.13	-50	PASS
Band38	5	37775	1	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	462.77	-59.76	-50	PASS
Band38	5	37775	1	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1468.19	-59.18	-50	PASS
Band38	5	37775	1	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1910.96	-58.83	-50	PASS
Band38	5	37775	1	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2019.15	-58.81	-50	PASS
Band38	5	37775	1	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2368.20	-58.52	-50	PASS
Band38	5	37775	1	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3595.60	-57.88	-50	PASS
Band38	5	37775	1	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3654.00	-58.22	-50	PASS
Band38	5	37775	1	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2140.42	-58.81	-50	PASS
Band38	5	37775	1	#0	16QAM	738 MHz-758 MHz	1 MHz	756.86	-59.15	-50	PASS
Band38	5	37775	1	#0	16QAM	753 MHz-783 MHz	1 MHz	781.50	-59.34	-50	PASS
Band38	5	37775	1	#0	16QAM	2620	5	2642.45	-51.22	-15.5	PASS

						MHz-2645 MHz	MHz				
Band38	5	37775	1	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2668.27	-51.13	1.6	PASS
Band38	5	37775	1	#Max	16QAM	9 kHz-150 kHz	1 kHz	0.12	-50.45	-36	PASS
Band38	5	37775	1	#Max	16QAM	150 kHz-30 MHz	10 kHz	6.15	-50.47	-36	PASS
Band38	5	37775	1	#Max	16QAM	30 MHz-1000 MHz	100 kHz	799.99	-58.60	-36	PASS
Band38	5	37775	1	#Max	16QAM	1000 MHz-2560.00 MHz	1 MHz	2556.88	-49.22	-30	PASS
Band38	5	37775	1	#Max	16QAM	2585.00 MHz-3000 MHz	1 MHz	3000.00	-50.06	-30	PASS
Band38	5	37775	1	#Max	16QAM	3000 MHz-12.75 GHz	1 MHz	6605.88	-52.22	-30	PASS
Band38	5	37775	1	#Max	16QAM	2110 MHz-2170 MHz	1 MHz	2168.14	-58.81	-50	PASS
Band38	5	37775	1	#Max	16QAM	1805 MHz-1880 MHz	1 MHz	1879.93	-59.12	-50	PASS
Band38	5	37775	1	#Max	16QAM	925 MHz-960 MHz	1 MHz	938.69	-59.55	-50	PASS
Band38	5	37775	1	#Max	16QAM	791 MHz-821 MHz	1 MHz	800.18	-59.09	-50	PASS
Band38	5	37775	1	#Max	16QAM	3510 MHz-3590 MHz	1 MHz	3589.84	-58.03	-50	PASS
Band38	5	37775	1	#Max	16QAM	758 MHz-803 MHz	1 MHz	800.26	-59.15	-50	PASS
Band38	5	37775	1	#Max	16QAM	462.5 MHz-467.5 MHz	1 MHz	464.56	-59.68	-50	PASS
Band38	5	37775	1	#Max	16QAM	1452 MHz-1496 MHz	1 MHz	1481.79	-59.17	-50	PASS
Band38	5	37775	1	#Max	16QAM	1900 MHz-1920 MHz	1 MHz	1917.26	-58.86	-50	PASS

						MHz					
Band38	5	37775	1	#Max	16QAM	2010 MHz-2025 MHz	1 MHz	2019.65	-58.79	-50	PASS
Band38	5	37775	1	#Max	16QAM	2300 MHz-2400 MHz	1 MHz	2372.90	-58.56	-50	PASS
Band38	5	37775	1	#Max	16QAM	3400 MHz-3600 MHz	1 MHz	3596.60	-57.77	-50	PASS
Band38	5	37775	1	#Max	16QAM	3600 MHz-3800 MHz	1 MHz	3654.40	-58.16	-50	PASS
Band38	5	37775	1	#Max	16QAM	2110 MHz-2200 MHz	1 MHz	2119.81	-58.86	-50	PASS
Band38	5	37775	1	#Max	16QAM	738 MHz-758 MHz	1 MHz	755.94	-59.10	-50	PASS
Band38	5	37775	1	#Max	16QAM	753 MHz-783 MHz	1 MHz	781.59	-59.42	-50	PASS
Band38	5	37775	1	#Max	16QAM	2620 MHz-2645 MHz	5 MHz	2643.83	-51.17	-15.5	PASS
Band38	5	37775	1	#Max	16QAM	2645 MHz-2690 MHz	5 MHz	2669.62	-51.12	1.6	PASS
Band38	5	37775	25	#0	16QAM	9 kHz-150 kHz	1 kHz	0.01	-51.72	-36	PASS
Band38	5	37775	25	#0	16QAM	150 kHz-30 MHz	10 kHz	6.17	-51.61	-36	PASS
Band38	5	37775	25	#0	16QAM	30 MHz-1000 MHz	100 kHz	799.99	-58.39	-36	PASS
Band38	5	37775	25	#0	16QAM	1000 MHz-2560.00 MHz	1 MHz	2560.00	-44.11	-30	PASS
Band38	5	37775	25	#0	16QAM	2585.00 MHz-3000 MHz	1 MHz	2585.35	-44.18	-30	PASS
Band38	5	37775	25	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	5957.50	-52.24	-30	PASS
Band38	5	37775	25	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2140.36	-58.80	-50	PASS



						MHz					
Band38	5	37775	25	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1879.25	-59.04	-50	PASS
Band38	5	37775	25	#0	16QAM	925 MHz-960 MHz	1 MHz	929.59	-59.60	-50	PASS
Band38	5	37775	25	#0	16QAM	791 MHz-821 MHz	1 MHz	800.09	-59.06	-50	PASS
Band38	5	37775	25	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3587.60	-57.96	-50	PASS
Band38	5	37775	25	#0	16QAM	758 MHz-803 MHz	1 MHz	799.90	-59.15	-50	PASS
Band38	5	37775	25	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	463.67	-59.79	-50	PASS
Band38	5	37775	25	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1460.36	-59.14	-50	PASS
Band38	5	37775	25	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1904.30	-58.80	-50	PASS
Band38	5	37775	25	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2018.97	-58.79	-50	PASS
Band38	5	37775	25	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2389.10	-58.48	-50	PASS
Band38	5	37775	25	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3595.20	-57.92	-50	PASS
Band38	5	37775	25	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3654.60	-58.30	-50	PASS
Band38	5	37775	25	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2119.72	-58.77	-50	PASS
Band38	5	37775	25	#0	16QAM	738 MHz-758 MHz	1 MHz	739.70	-59.10	-50	PASS
Band38	5	37775	25	#0	16QAM	753 MHz-783 MHz	1 MHz	781.77	-59.47	-50	PASS
Band38	5	37775	25	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2644.40	-51.19	-15.5	PASS

						MHz					
Band38	5	37775	25	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2657.92	-51.13	1.6	PASS
Band38	5	38000	1	#0	QPSK	9 kHz-150 kHz	1 kHz	0.12	-50.03	-36	PASS
Band38	5	38000	1	#0	QPSK	150 kHz-30 MHz	10 kHz	6.07	-49.61	-36	PASS
Band38	5	38000	1	#0	QPSK	30 MHz-1000 MHz	100 kHz	799.99	-58.71	-36	PASS
Band38	5	38000	1	#0	QPSK	1000 MHz-2582.50 MHz	1 MHz	2565.09	-49.22	-30	PASS
Band38	5	38000	1	#0	QPSK	2607.50 MHz-3000 MHz	1 MHz	3000.00	-49.97	-30	PASS
Band38	5	38000	1	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	6536.00	-52.12	-30	PASS
Band38	5	38000	1	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2139.82	-58.77	-50	PASS
Band38	5	38000	1	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1859.38	-59.03	-50	PASS
Band38	5	38000	1	#0	QPSK	925 MHz-960 MHz	1 MHz	930.01	-59.57	-50	PASS
Band38	5	38000	1	#0	QPSK	791 MHz-821 MHz	1 MHz	800.09	-59.09	-50	PASS
Band38	5	38000	1	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3585.52	-57.99	-50	PASS
Band38	5	38000	1	#0	QPSK	758 MHz-803 MHz	1 MHz	800.08	-59.01	-50	PASS
Band38	5	38000	1	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	465.16	-59.83	-50	PASS
Band38	5	38000	1	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1492.04	-59.08	-50	PASS
Band38	5	38000	1	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1909.32	-58.84	-50	PASS

Band38	5	38000	1	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2020.01	-58.67	-50	PASS
Band38	5	38000	1	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2388.70	-58.54	-50	PASS
Band38	5	38000	1	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3597.20	-57.85	-50	PASS
Band38	5	38000	1	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3654.40	-58.21	-50	PASS
Band38	5	38000	1	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2139.97	-58.61	-50	PASS
Band38	5	38000	1	#0	QPSK	738 MHz-758 MHz	1 MHz	757.78	-59.09	-50	PASS
Band38	5	38000	1	#0	QPSK	753 MHz-783 MHz	1 MHz	781.89	-59.33	-50	PASS
Band38	5	38000	1	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2639.00	-51.17	-15.5	PASS
Band38	5	38000	1	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2661.43	-51.09	1.6	PASS
Band38	5	38000	1	#Max	QPSK	9 kHz-150 kHz	1 kHz	0.01	-50.31	-36	PASS
Band38	5	38000	1	#Max	QPSK	150 kHz-30 MHz	10 kHz	6.67	-52.29	-36	PASS
Band38	5	38000	1	#Max	QPSK	30 MHz-1000 MHz	100 kHz	799.99	-59.59	-36	PASS
Band38	5	38000	1	#Max	QPSK	1000 MHz-2582.50 MHz	1 MHz	2539.77	-49.21	-30	PASS
Band38	5	38000	1	#Max	QPSK	2607.50 MHz-3000 MHz	1 MHz	2999.67	-50.06	-30	PASS
Band38	5	38000	1	#Max	QPSK	3000 MHz-12.75 GHz	1 MHz	5927.44	-52.24	-30	PASS
Band38	5	38000	1	#Max	QPSK	2110 MHz-2170 MHz	1 MHz	2142.34	-58.78	-50	PASS

Band38	5	38000	1	#Max	QPSK	1805 MHz-1880 MHz	1 MHz	1855.18	-59.01	-50	PASS
Band38	5	38000	1	#Max	QPSK	925 MHz-960 MHz	1 MHz	928.22	-59.53	-50	PASS
Band38	5	38000	1	#Max	QPSK	791 MHz-821 MHz	1 MHz	799.79	-59.20	-50	PASS
Band38	5	38000	1	#Max	QPSK	3510 MHz-3590 MHz	1 MHz	3588.00	-57.98	-50	PASS
Band38	5	38000	1	#Max	QPSK	758 MHz-803 MHz	1 MHz	799.81	-59.20	-50	PASS
Band38	5	38000	1	#Max	QPSK	462.5 MHz-467.5 MHz	1 MHz	463.78	-59.78	-50	PASS
Band38	5	38000	1	#Max	QPSK	1452 MHz-1496 MHz	1 MHz	1492.83	-59.13	-50	PASS
Band38	5	38000	1	#Max	QPSK	1900 MHz-1920 MHz	1 MHz	1918.42	-58.80	-50	PASS
Band38	5	38000	1	#Max	QPSK	2010 MHz-2025 MHz	1 MHz	2020.16	-58.68	-50	PASS
Band38	5	38000	1	#Max	QPSK	2300 MHz-2400 MHz	1 MHz	2374.80	-58.51	-50	PASS
Band38	5	38000	1	#Max	QPSK	3400 MHz-3600 MHz	1 MHz	3500.60	-55.80	-50	PASS
Band38	5	38000	1	#Max	QPSK	3600 MHz-3800 MHz	1 MHz	3654.40	-58.15	-50	PASS
Band38	5	38000	1	#Max	QPSK	2110 MHz-2200 MHz	1 MHz	2140.15	-58.77	-50	PASS
Band38	5	38000	1	#Max	QPSK	738 MHz-758 MHz	1 MHz	757.56	-59.09	-50	PASS
Band38	5	38000	1	#Max	QPSK	753 MHz-783 MHz	1 MHz	781.68	-59.33	-50	PASS
Band38	5	38000	1	#Max	QPSK	2620 MHz-2645 MHz	5 MHz	2644.55	-51.17	-15.5	PASS

Band38	5	38000	1	#Max	QPSK	2645 MHz-2690 MHz	5 MHz	2663.32	-51.10	1.6	PASS
Band38	5	38000	25	#0	QPSK	9 kHz-150 kHz	1 kHz	0.01	-51.43	-36	PASS
Band38	5	38000	25	#0	QPSK	150 kHz-30 MHz	10 kHz	6.18	-48.81	-36	PASS
Band38	5	38000	25	#0	QPSK	30 MHz-1000 MHz	100 kHz	899.99	-59.51	-36	PASS
Band38	5	38000	25	#0	QPSK	1000 MHz-2582.50 MHz	1 MHz	2582.50	-45.91	-30	PASS
Band38	5	38000	25	#0	QPSK	2607.50 MHz-3000 MHz	1 MHz	2608.15	-43.46	-30	PASS
Band38	5	38000	25	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	6501.06	-52.20	-30	PASS
Band38	5	38000	25	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2139.88	-58.72	-50	PASS
Band38	5	38000	25	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1870.70	-59.09	-50	PASS
Band38	5	38000	25	#0	QPSK	925 MHz-960 MHz	1 MHz	937.92	-59.60	-50	PASS
Band38	5	38000	25	#0	QPSK	791 MHz-821 MHz	1 MHz	799.94	-59.09	-50	PASS
Band38	5	38000	25	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3587.20	-57.94	-50	PASS
Band38	5	38000	25	#0	QPSK	758 MHz-803 MHz	1 MHz	800.17	-59.18	-50	PASS
Band38	5	38000	25	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	463.97	-59.70	-50	PASS
Band38	5	38000	25	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1490.72	-59.13	-50	PASS
Band38	5	38000	25	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1911.62	-58.82	-50	PASS
Band38	5	38000	25	#0	QPSK	2010	1	2019.69	-58.71	-50	PASS

						MHz-2025 MHz	MHz				
Band38	5	38000	25	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2380.90	-58.54	-50	PASS
Band38	5	38000	25	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3599.00	-57.83	-50	PASS
Band38	5	38000	25	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3654.40	-58.16	-50	PASS
Band38	5	38000	25	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2140.33	-58.79	-50	PASS
Band38	5	38000	25	#0	QPSK	738 MHz-758 MHz	1 MHz	754.38	-59.10	-50	PASS
Band38	5	38000	25	#0	QPSK	753 MHz-783 MHz	1 MHz	781.44	-59.39	-50	PASS
Band38	5	38000	25	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2643.18	-51.17	-15.5	PASS
Band38	5	38000	25	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2662.24	-51.08	1.6	PASS
Band38	5	38000	1	#0	16QAM	9 kHz-150 kHz	1 kHz	0.12	-51.29	-36	PASS
Band38	5	38000	1	#0	16QAM	150 kHz-30 MHz	10 kHz	6.53	-52.62	-36	PASS
Band38	5	38000	1	#0	16QAM	30 MHz-1000 MHz	100 kHz	722.19	-58.04	-36	PASS
Band38	5	38000	1	#0	16QAM	1000 MHz-2582.50 MHz	1 MHz	2520.78	-49.17	-30	PASS
Band38	5	38000	1	#0	16QAM	2607.50 MHz-3000 MHz	1 MHz	2999.67	-50.04	-30	PASS
Band38	5	38000	1	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	5905.50	-52.20	-30	PASS
Band38	5	38000	1	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2119.84	-58.77	-50	PASS
Band38	5	38000	1	#0	16QAM	1805	1	1871.30	-59.06	-50	PASS

						MHz-1880 MHz	MHz				
Band38	5	38000	1	#0	16QAM	925 MHz-960 MHz	1 MHz	930.15	-59.46	-50	PASS
Band38	5	38000	1	#0	16QAM	791 MHz-821 MHz	1 MHz	800.03	-59.15	-50	PASS
Band38	5	38000	1	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3588.08	-57.90	-50	PASS
Band38	5	38000	1	#0	16QAM	758 MHz-803 MHz	1 MHz	799.81	-59.17	-50	PASS
Band38	5	38000	1	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	467.24	-59.75	-50	PASS
Band38	5	38000	1	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1491.20	-59.12	-50	PASS
Band38	5	38000	1	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1905.78	-58.79	-50	PASS
Band38	5	38000	1	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2019.69	-58.65	-50	PASS
Band38	5	38000	1	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2377.60	-58.53	-50	PASS
Band38	5	38000	1	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3595.20	-57.65	-50	PASS
Band38	5	38000	1	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3654.60	-58.17	-50	PASS
Band38	5	38000	1	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2140.42	-58.78	-50	PASS
Band38	5	38000	1	#0	16QAM	738 MHz-758 MHz	1 MHz	757.50	-59.07	-50	PASS
Band38	5	38000	1	#0	16QAM	753 MHz-783 MHz	1 MHz	781.59	-59.45	-50	PASS
Band38	5	38000	1	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2642.18	-51.19	-15.5	PASS
Band38	5	38000	1	#0	16QAM	2645	5	2659.99	-51.08	1.6	PASS



						MHz-2690 MHz	MHz				
Band38	5	38000	1	#Max	16QAM	9 kHz-150 kHz	1 kHz	0.12	-52.30	-36	PASS
Band38	5	38000	1	#Max	16QAM	150 kHz-30 MHz	10 kHz	6.27	-52.39	-36	PASS
Band38	5	38000	1	#Max	16QAM	30 MHz-1000 MHz	100 kHz	899.99	-59.34	-36	PASS
Band38	5	38000	1	#Max	16QAM	1000 MHz-2582.50 MHz	1 MHz	2517.62	-49.23	-30	PASS
Band38	5	38000	1	#Max	16QAM	2607.50 MHz-3000 MHz	1 MHz	3000.00	-50.13	-30	PASS
Band38	5	38000	1	#Max	16QAM	3000 MHz-12.75 GHz	1 MHz	6554.69	-52.22	-30	PASS
Band38	5	38000	1	#Max	16QAM	2110 MHz-2170 MHz	1 MHz	2119.96	-58.79	-50	PASS
Band38	5	38000	1	#Max	16QAM	1805 MHz-1880 MHz	1 MHz	1853.53	-59.08	-50	PASS
Band38	5	38000	1	#Max	16QAM	925 MHz-960 MHz	1 MHz	930.18	-59.57	-50	PASS
Band38	5	38000	1	#Max	16QAM	791 MHz-821 MHz	1 MHz	799.97	-59.15	-50	PASS
Band38	5	38000	1	#Max	16QAM	3510 MHz-3590 MHz	1 MHz	3569.52	-57.14	-50	PASS
Band38	5	38000	1	#Max	16QAM	758 MHz-803 MHz	1 MHz	799.94	-59.09	-50	PASS
Band38	5	38000	1	#Max	16QAM	462.5 MHz-467.5 MHz	1 MHz	462.92	-59.78	-50	PASS
Band38	5	38000	1	#Max	16QAM	1452 MHz-1496 MHz	1 MHz	1485.62	-59.15	-50	PASS
Band38	5	38000	1	#Max	16QAM	1900 MHz-1920 MHz	1 MHz	1919.50	-58.71	-50	PASS
Band38	5	38000	1	#Max	16QAM	2010 MHz-2025 MHz	1 MHz	2020.64	-58.75	-50	PASS

						MHz					
Band38	5	38000	1	#Max	16QAM	2300 MHz-2400 MHz	1 MHz	2394.50	-58.42	-50	PASS
Band38	5	38000	1	#Max	16QAM	3400 MHz-3600 MHz	1 MHz	3588.20	-56.90	-50	PASS
Band38	5	38000	1	#Max	16QAM	3600 MHz-3800 MHz	1 MHz	3654.20	-58.22	-50	PASS
Band38	5	38000	1	#Max	16QAM	2110 MHz-2200 MHz	1 MHz	2139.70	-58.75	-50	PASS
Band38	5	38000	1	#Max	16QAM	738 MHz-758 MHz	1 MHz	751.20	-59.09	-50	PASS
Band38	5	38000	1	#Max	16QAM	753 MHz-783 MHz	1 MHz	781.74	-59.40	-50	PASS
Band38	5	38000	1	#Max	16QAM	2620 MHz-2645 MHz	5 MHz	2641.40	-51.20	-15.5	PASS
Band38	5	38000	1	#Max	16QAM	2645 MHz-2690 MHz	5 MHz	2660.71	-51.07	1.6	PASS
Band38	5	38000	25	#0	16QAM	9 kHz-150 kHz	1 kHz	0.01	-50.42	-36	PASS
Band38	5	38000	25	#0	16QAM	150 kHz-30 MHz	10 kHz	6.07	-50.52	-36	PASS
Band38	5	38000	25	#0	16QAM	30 MHz-1000 MHz	100 kHz	799.99	-59.40	-36	PASS
Band38	5	38000	25	#0	16QAM	1000 MHz-2582.50 MHz	1 MHz	2582.50	-44.70	-30	PASS
Band38	5	38000	25	#0	16QAM	2607.50 MHz-3000 MHz	1 MHz	2607.83	-46.17	-30	PASS
Band38	5	38000	25	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	5930.69	-52.14	-30	PASS
Band38	5	38000	25	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2120.14	-58.77	-50	PASS
Band38	5	38000	25	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1877.53	-59.10	-50	PASS

						MHz					
Band38	5	38000	25	#0	16QAM	925 MHz-960 MHz	1 MHz	931.90	-59.57	-50	PASS
Band38	5	38000	25	#0	16QAM	791 MHz-821 MHz	1 MHz	800.09	-59.26	-50	PASS
Band38	5	38000	25	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3590.00	-58.03	-50	PASS
Band38	5	38000	25	#0	16QAM	758 MHz-803 MHz	1 MHz	799.99	-59.35	-50	PASS
Band38	5	38000	25	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	463.76	-59.72	-50	PASS
Band38	5	38000	25	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1460.32	-59.17	-50	PASS
Band38	5	38000	25	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1915.72	-58.77	-50	PASS
Band38	5	38000	25	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2017.05	-58.78	-50	PASS
Band38	5	38000	25	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2357.60	-58.54	-50	PASS
Band38	5	38000	25	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3596.60	-57.84	-50	PASS
Band38	5	38000	25	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3654.40	-58.07	-50	PASS
Band38	5	38000	25	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2137.00	-58.71	-50	PASS
Band38	5	38000	25	#0	16QAM	738 MHz-758 MHz	1 MHz	751.28	-59.14	-50	PASS
Band38	5	38000	25	#0	16QAM	753 MHz-783 MHz	1 MHz	781.53	-59.36	-50	PASS
Band38	5	38000	25	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2641.23	-51.15	-15.5	PASS
Band38	5	38000	25	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2670.34	-51.05	1.6	PASS

						MHz					
Band38	5	38225	1	#0	QPSK	9 kHz-150 kHz	1 kHz	0.01	-50.88	-36	PASS
Band38	5	38225	1	#0	QPSK	150 kHz-30 MHz	10 kHz	6.07	-53.70	-36	PASS
Band38	5	38225	1	#0	QPSK	30 MHz-1000 MHz	100 kHz	800.08	-60.03	-36	PASS
Band38	5	38225	1	#0	QPSK	1000 MHz-2605.00 MHz	1 MHz	2598.58	-49.11	-30	PASS
Band38	5	38225	1	#0	QPSK	2630.00 MHz-3000 MHz	1 MHz	3000.00	-49.93	-30	PASS
Band38	5	38225	1	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	5262.81	-48.42	-30	PASS
Band38	5	38225	1	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2139.82	-58.81	-50	PASS
Band38	5	38225	1	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1857.35	-59.09	-50	PASS
Band38	5	38225	1	#0	QPSK	925 MHz-960 MHz	1 MHz	930.50	-59.51	-50	PASS
Band38	5	38225	1	#0	QPSK	791 MHz-821 MHz	1 MHz	799.58	-59.36	-50	PASS
Band38	5	38225	1	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3588.64	-58.03	-50	PASS
Band38	5	38225	1	#0	QPSK	758 MHz-803 MHz	1 MHz	799.99	-59.37	-50	PASS
Band38	5	38225	1	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	466.13	-59.70	-50	PASS
Band38	5	38225	1	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1474.66	-59.13	-50	PASS
Band38	5	38225	1	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1918.38	-58.76	-50	PASS
Band38	5	38225	1	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2019.90	-58.76	-50	PASS

Band38	5	38225	1	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2393.30	-58.45	-50	PASS
Band38	5	38225	1	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3599.40	-57.84	-50	PASS
Band38	5	38225	1	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3654.40	-58.20	-50	PASS
Band38	5	38225	1	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2125.84	-58.78	-50	PASS
Band38	5	38225	1	#0	QPSK	738 MHz-758 MHz	1 MHz	748.30	-59.11	-50	PASS
Band38	5	38225	1	#0	QPSK	753 MHz-783 MHz	1 MHz	780.72	-59.51	-50	PASS
Band38	5	38225	1	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2644.13	-51.15	-15.5	PASS
Band38	5	38225	1	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2661.34	-51.07	1.6	PASS
Band38	5	38225	1	#Max	QPSK	9 kHz-150 kHz	1 kHz	0.12	-51.61	-36	PASS
Band38	5	38225	1	#Max	QPSK	150 kHz-30 MHz	10 kHz	6.31	-54.79	-36	PASS
Band38	5	38225	1	#Max	QPSK	30 MHz-1000 MHz	100 kHz	799.99	-59.86	-36	PASS
Band38	5	38225	1	#Max	QPSK	1000 MHz-2605.00 MHz	1 MHz	2601.79	-49.17	-30	PASS
Band38	5	38225	1	#Max	QPSK	2630.00 MHz-3000 MHz	1 MHz	2630.31	-49.89	-30	PASS
Band38	5	38225	1	#Max	QPSK	3000 MHz-12.75 GHz	1 MHz	5266.06	-50.28	-30	PASS
Band38	5	38225	1	#Max	QPSK	2110 MHz-2170 MHz	1 MHz	2140.18	-58.74	-50	PASS
Band38	5	38225	1	#Max	QPSK	1805 MHz-1880 MHz	1 MHz	1860.43	-59.00	-50	PASS

Band38	5	38225	1	#Max	QPSK	925 MHz-960 MHz	1 MHz	927.10	-59.59	-50	PASS
Band38	5	38225	1	#Max	QPSK	791 MHz-821 MHz	1 MHz	800.00	-59.23	-50	PASS
Band38	5	38225	1	#Max	QPSK	3510 MHz-3590 MHz	1 MHz	3588.16	-57.92	-50	PASS
Band38	5	38225	1	#Max	QPSK	758 MHz-803 MHz	1 MHz	799.54	-59.36	-50	PASS
Band38	5	38225	1	#Max	QPSK	462.5 MHz-467.5 MHz	1 MHz	462.93	-59.72	-50	PASS
Band38	5	38225	1	#Max	QPSK	1452 MHz-1496 MHz	1 MHz	1472.68	-59.09	-50	PASS
Band38	5	38225	1	#Max	QPSK	1900 MHz-1920 MHz	1 MHz	1906.62	-58.83	-50	PASS
Band38	5	38225	1	#Max	QPSK	2010 MHz-2025 MHz	1 MHz	2020.05	-58.74	-50	PASS
Band38	5	38225	1	#Max	QPSK	2300 MHz-2400 MHz	1 MHz	2391.70	-58.48	-50	PASS
Band38	5	38225	1	#Max	QPSK	3400 MHz-3600 MHz	1 MHz	3600.00	-57.80	-50	PASS
Band38	5	38225	1	#Max	QPSK	3600 MHz-3800 MHz	1 MHz	3654.40	-58.12	-50	PASS
Band38	5	38225	1	#Max	QPSK	2110 MHz-2200 MHz	1 MHz	2136.19	-58.83	-50	PASS
Band38	5	38225	1	#Max	QPSK	738 MHz-758 MHz	1 MHz	752.22	-59.00	-50	PASS
Band38	5	38225	1	#Max	QPSK	753 MHz-783 MHz	1 MHz	781.02	-59.41	-50	PASS
Band38	5	38225	1	#Max	QPSK	2620 MHz-2645 MHz	5 MHz	2644.38	-51.09	-15.5	PASS
Band38	5	38225	1	#Max	QPSK	2645 MHz-2690 MHz	5 MHz	2657.38	-51.09	1.6	PASS

Band38	5	38225	25	#0	QPSK	9 kHz-150 kHz	1 kHz	0.12	-50.01	-36	PASS
Band38	5	38225	25	#0	QPSK	150 kHz-30 MHz	10 kHz	6.07	-53.09	-36	PASS
Band38	5	38225	25	#0	QPSK	30 MHz-1000 MHz	100 kHz	799.99	-60.19	-36	PASS
Band38	5	38225	25	#0	QPSK	1000 MHz-2605.00 MHz	1 MHz	2605.00	-44.20	-30	PASS
Band38	5	38225	25	#0	QPSK	2630.00 MHz-3000 MHz	1 MHz	2631.85	-42.78	-30	PASS
Band38	5	38225	25	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	5944.50	-52.24	-30	PASS
Band38	5	38225	25	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2137.24	-58.77	-50	PASS
Band38	5	38225	25	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1874.45	-59.07	-50	PASS
Band38	5	38225	25	#0	QPSK	925 MHz-960 MHz	1 MHz	930.53	-59.56	-50	PASS
Band38	5	38225	25	#0	QPSK	791 MHz-821 MHz	1 MHz	800.12	-59.32	-50	PASS
Band38	5	38225	25	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3589.76	-57.98	-50	PASS
Band38	5	38225	25	#0	QPSK	758 MHz-803 MHz	1 MHz	799.72	-59.37	-50	PASS
Band38	5	38225	25	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	466.79	-59.76	-50	PASS
Band38	5	38225	25	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1494.68	-59.11	-50	PASS
Band38	5	38225	25	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1909.28	-58.80	-50	PASS
Band38	5	38225	25	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2019.54	-58.76	-50	PASS
Band38	5	38225	25	#0	QPSK	2300	1	2393.90	-58.51	-50	PASS



						MHz-2400 MHz	MHz				
Band38	5	38225	25	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3600.00	-57.83	-50	PASS
Band38	5	38225	25	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3675.80	-58.15	-50	PASS
Band38	5	38225	25	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2182.36	-58.82	-50	PASS
Band38	5	38225	25	#0	QPSK	738 MHz-758 MHz	1 MHz	757.72	-59.13	-50	PASS
Band38	5	38225	25	#0	QPSK	753 MHz-783 MHz	1 MHz	781.68	-59.46	-50	PASS
Band38	5	38225	25	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2641.43	-51.14	-15.5	PASS
Band38	5	38225	25	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2670.43	-51.07	1.6	PASS
Band38	5	38225	1	#0	16QAM	9 kHz-150 kHz	1 kHz	0.12	-50.63	-36	PASS
Band38	5	38225	1	#0	16QAM	150 kHz-30 MHz	10 kHz	6.35	-53.71	-36	PASS
Band38	5	38225	1	#0	16QAM	30 MHz-1000 MHz	100 kHz	799.99	-60.06	-36	PASS
Band38	5	38225	1	#0	16QAM	1000 MHz-2605.00 MHz	1 MHz	2605.00	-48.83	-30	PASS
Band38	5	38225	1	#0	16QAM	2630.00 MHz-3000 MHz	1 MHz	3000.00	-50.07	-30	PASS
Band38	5	38225	1	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	5893.31	-52.24	-30	PASS
Band38	5	38225	1	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2138.14	-58.84	-50	PASS
Band38	5	38225	1	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1877.53	-59.07	-50	PASS
Band38	5	38225	1	#0	16QAM	925 MHz-960	1	927.49	-59.59	-50	PASS

						MHz	MHz				
Band38	5	38225	1	#0	16QAM	791 MHz-821 MHz	1 MHz	799.82	-59.34	-50	PASS
Band38	5	38225	1	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3588.32	-57.97	-50	PASS
Band38	5	38225	1	#0	16QAM	758 MHz-803 MHz	1 MHz	799.72	-59.34	-50	PASS
Band38	5	38225	1	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	463.75	-59.77	-50	PASS
Band38	5	38225	1	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1466.43	-59.06	-50	PASS
Band38	5	38225	1	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1911.32	-58.80	-50	PASS
Band38	5	38225	1	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2021.96	-58.74	-50	PASS
Band38	5	38225	1	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2389.70	-58.48	-50	PASS
Band38	5	38225	1	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3598.20	-57.82	-50	PASS
Band38	5	38225	1	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3694.60	-58.27	-50	PASS
Band38	5	38225	1	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2138.35	-58.76	-50	PASS
Band38	5	38225	1	#0	16QAM	738 MHz-758 MHz	1 MHz	757.98	-59.02	-50	PASS
Band38	5	38225	1	#0	16QAM	753 MHz-783 MHz	1 MHz	781.62	-59.50	-50	PASS
Band38	5	38225	1	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2643.78	-51.13	-15.5	PASS
Band38	5	38225	1	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2661.74	-51.04	1.6	PASS
Band38	5	38225	1	#Max	16QAM	9 kHz-150	1	0.01	-50.56	-36	PASS

						kHz	kHz				
Band38	5	38225	1	#Max	16QAM	150 kHz-30 MHz	10 kHz	6.07	-54.04	-36	PASS
Band38	5	38225	1	#Max	16QAM	30 MHz-1000 MHz	100 kHz	769.53	-60.05	-36	PASS
Band38	5	38225	1	#Max	16QAM	1000 MHz-2605.00 MHz	1 MHz	2605.00	-49.06	-30	PASS
Band38	5	38225	1	#Max	16QAM	2630.00 MHz-3000 MHz	1 MHz	3000.00	-50.11	-30	PASS
Band38	5	38225	1	#Max	16QAM	3000 MHz-12.75 GHz	1 MHz	5266.88	-50.08	-30	PASS
Band38	5	38225	1	#Max	16QAM	2110 MHz-2170 MHz	1 MHz	2139.94	-58.76	-50	PASS
Band38	5	38225	1	#Max	16QAM	1805 MHz-1880 MHz	1 MHz	1875.80	-59.00	-50	PASS
Band38	5	38225	1	#Max	16QAM	925 MHz-960 MHz	1 MHz	931.16	-59.58	-50	PASS
Band38	5	38225	1	#Max	16QAM	791 MHz-821 MHz	1 MHz	800.15	-59.29	-50	PASS
Band38	5	38225	1	#Max	16QAM	3510 MHz-3590 MHz	1 MHz	3589.60	-57.99	-50	PASS
Band38	5	38225	1	#Max	16QAM	758 MHz-803 MHz	1 MHz	799.81	-59.28	-50	PASS
Band38	5	38225	1	#Max	16QAM	462.5 MHz-467.5 MHz	1 MHz	464.16	-59.75	-50	PASS
Band38	5	38225	1	#Max	16QAM	1452 MHz-1496 MHz	1 MHz	1492.13	-59.14	-50	PASS
Band38	5	38225	1	#Max	16QAM	1900 MHz-1920 MHz	1 MHz	1902.68	-58.75	-50	PASS
Band38	5	38225	1	#Max	16QAM	2010 MHz-2025 MHz	1 MHz	2024.22	-58.72	-50	PASS
Band38	5	38225	1	#Max	16QAM	2300 MHz-2400 MHz	1 MHz	2386.80	-58.52	-50	PASS

						MHz					
Band38	5	38225	1	#Max	16QAM	3400 MHz-3600 MHz	1 MHz	3598.20	-57.66	-50	PASS
Band38	5	38225	1	#Max	16QAM	3600 MHz-3800 MHz	1 MHz	3654.40	-58.12	-50	PASS
Band38	5	38225	1	#Max	16QAM	2110 MHz-2200 MHz	1 MHz	2140.51	-58.85	-50	PASS
Band38	5	38225	1	#Max	16QAM	738 MHz-758 MHz	1 MHz	757.82	-59.10	-50	PASS
Band38	5	38225	1	#Max	16QAM	753 MHz-783 MHz	1 MHz	781.95	-59.43	-50	PASS
Band38	5	38225	1	#Max	16QAM	2620 MHz-2645 MHz	5 MHz	2640.38	-51.14	-15.5	PASS
Band38	5	38225	1	#Max	16QAM	2645 MHz-2690 MHz	5 MHz	2672.45	-51.05	1.6	PASS
Band38	5	38225	25	#0	16QAM	9 kHz-150 kHz	1 kHz	0.12	-50.98	-36	PASS
Band38	5	38225	25	#0	16QAM	150 kHz-30 MHz	10 kHz	6.50	-52.15	-36	PASS
Band38	5	38225	25	#0	16QAM	30 MHz-1000 MHz	100 kHz	799.99	-59.76	-36	PASS
Band38	5	38225	25	#0	16QAM	1000 MHz-2605.00 MHz	1 MHz	2605.00	-43.69	-30	PASS
Band38	5	38225	25	#0	16QAM	2630.00 MHz-3000 MHz	1 MHz	2630.31	-42.22	-30	PASS
Band38	5	38225	25	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	6575.00	-52.13	-30	PASS
Band38	5	38225	25	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2128.66	-58.84	-50	PASS
Band38	5	38225	25	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1865.38	-59.04	-50	PASS
Band38	5	38225	25	#0	16QAM	925 MHz-960 MHz	1 MHz	927.24	-59.58	-50	PASS

Band38	5	38225	25	#0	16QAM	791 MHz-821 MHz	1 MHz	799.85	-59.27	-50	PASS
Band38	5	38225	25	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3570.00	-53.39	-50	PASS
Band38	5	38225	25	#0	16QAM	758 MHz-803 MHz	1 MHz	799.58	-59.34	-50	PASS
Band38	5	38225	25	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	465.23	-59.72	-50	PASS
Band38	5	38225	25	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1487.77	-59.07	-50	PASS
Band38	5	38225	25	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1918.44	-58.77	-50	PASS
Band38	5	38225	25	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2020.34	-58.78	-50	PASS
Band38	5	38225	25	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2378.00	-58.52	-50	PASS
Band38	5	38225	25	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3599.60	-57.82	-50	PASS
Band38	5	38225	25	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3654.40	-58.20	-50	PASS
Band38	5	38225	25	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2132.95	-58.87	-50	PASS
Band38	5	38225	25	#0	16QAM	738 MHz-758 MHz	1 MHz	757.14	-59.09	-50	PASS
Band38	5	38225	25	#0	16QAM	753 MHz-783 MHz	1 MHz	781.95	-59.49	-50	PASS
Band38	5	38225	25	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2641.20	-51.16	-15.5	PASS
Band38	5	38225	25	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2671.96	-51.07	1.6	PASS
Band38	20	37850	1	#0	QPSK	9 kHz-150 kHz	1 kHz	0.01	-51.05	-36	PASS

Band38	20	37850	1	#0	QPSK	150 kHz-30 MHz	10 kHz	6.19	-54.14	-36	PASS
Band38	20	37850	1	#0	QPSK	30 MHz-1000 MHz	100 kHz	814.92	-59.84	-36	PASS
Band38	20	37850	1	#0	QPSK	1000 MHz-2545.00 MHz	1 MHz	2535.73	-49.17	-30	PASS
Band38	20	37850	1	#0	QPSK	2615.00 MHz-3000 MHz	1 MHz	2999.68	-49.96	-30	PASS
Band38	20	37850	1	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	5915.25	-52.00	-30	PASS
Band38	20	37850	1	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2154.10	-58.82	-50	PASS
Band38	20	37850	1	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1878.58	-59.04	-50	PASS
Band38	20	37850	1	#0	QPSK	925 MHz-960 MHz	1 MHz	927.07	-59.63	-50	PASS
Band38	20	37850	1	#0	QPSK	791 MHz-821 MHz	1 MHz	804.38	-59.36	-50	PASS
Band38	20	37850	1	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3587.76	-58.03	-50	PASS
Band38	20	37850	1	#0	QPSK	758 MHz-803 MHz	1 MHz	799.81	-59.30	-50	PASS
Band38	20	37850	1	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	462.99	-59.79	-50	PASS
Band38	20	37850	1	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1491.42	-59.10	-50	PASS
Band38	20	37850	1	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1918.38	-58.78	-50	PASS
Band38	20	37850	1	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2022.45	-58.78	-50	PASS
Band38	20	37850	1	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2378.00	-58.48	-50	PASS

Band38	20	37850	1	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3600.00	-57.77	-50	PASS
Band38	20	37850	1	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3654.80	-58.18	-50	PASS
Band38	20	37850	1	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2171.56	-58.84	-50	PASS
Band38	20	37850	1	#0	QPSK	738 MHz-758 MHz	1 MHz	757.82	-59.07	-50	PASS
Band38	20	37850	1	#0	QPSK	753 MHz-783 MHz	1 MHz	781.74	-59.39	-50	PASS
Band38	20	37850	1	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2641.03	-51.19	-15.5	PASS
Band38	20	37850	1	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2652.20	-51.10	1.6	PASS
Band38	20	37850	1	#Max	QPSK	9 kHz-150 kHz	1 kHz	0.12	-51.77	-36	PASS
Band38	20	37850	1	#Max	QPSK	150 kHz-30 MHz	10 kHz	5.78	-53.55	-36	PASS
Band38	20	37850	1	#Max	QPSK	30 MHz-1000 MHz	100 kHz	899.99	-59.82	-36	PASS
Band38	20	37850	1	#Max	QPSK	1000 MHz-2545.00 MHz	1 MHz	2449.21	-48.57	-30	PASS
Band38	20	37850	1	#Max	QPSK	2615.00 MHz-3000 MHz	1 MHz	2624.63	-42.84	-30	PASS
Band38	20	37850	1	#Max	QPSK	3000 MHz-12.75 GHz	1 MHz	5254.69	-52.17	-30	PASS
Band38	20	37850	1	#Max	QPSK	2110 MHz-2170 MHz	1 MHz	2165.02	-58.86	-50	PASS
Band38	20	37850	1	#Max	QPSK	1805 MHz-1880 MHz	1 MHz	1865.83	-59.13	-50	PASS
Band38	20	37850	1	#Max	QPSK	925 MHz-960 MHz	1 MHz	925.84	-59.60	-50	PASS
Band38	20	37850	1	#Max	QPSK	791 MHz-821	1	794.33	-59.42	-50	PASS



						MHz	MHz				
Band38	20	37850	1	#Max	QPSK	3510 MHz-3590 MHz	1 MHz	3589.12	-57.69	-50	PASS
Band38	20	37850	1	#Max	QPSK	758 MHz-803 MHz	1 MHz	800.44	-59.39	-50	PASS
Band38	20	37850	1	#Max	QPSK	462.5 MHz-467.5 MHz	1 MHz	462.67	-59.79	-50	PASS
Band38	20	37850	1	#Max	QPSK	1452 MHz-1496 MHz	1 MHz	1493.76	-59.10	-50	PASS
Band38	20	37850	1	#Max	QPSK	1900 MHz-1920 MHz	1 MHz	1917.84	-58.72	-50	PASS
Band38	20	37850	1	#Max	QPSK	2010 MHz-2025 MHz	1 MHz	2018.31	-58.79	-50	PASS
Band38	20	37850	1	#Max	QPSK	2300 MHz-2400 MHz	1 MHz	2377.70	-58.48	-50	PASS
Band38	20	37850	1	#Max	QPSK	3400 MHz-3600 MHz	1 MHz	3596.80	-57.86	-50	PASS
Band38	20	37850	1	#Max	QPSK	3600 MHz-3800 MHz	1 MHz	3654.40	-58.10	-50	PASS
Band38	20	37850	1	#Max	QPSK	2110 MHz-2200 MHz	1 MHz	2124.76	-58.85	-50	PASS
Band38	20	37850	1	#Max	QPSK	738 MHz-758 MHz	1 MHz	752.44	-59.17	-50	PASS
Band38	20	37850	1	#Max	QPSK	753 MHz-783 MHz	1 MHz	782.19	-59.51	-50	PASS
Band38	20	37850	1	#Max	QPSK	2620 MHz-2645 MHz	5 MHz	2643.53	-51.19	-15.5	PASS
Band38	20	37850	1	#Max	QPSK	2645 MHz-2690 MHz	5 MHz	2658.86	-51.08	1.6	PASS
Band38	20	37850	100	#0	QPSK	9 kHz-150 kHz	1 kHz	0.12	-50.44	-36	PASS
Band38	20	37850	100	#0	QPSK	150 kHz-30	10	6.44	-56.15	-36	PASS

						MHz	kHz				
Band38	20	37850	100	#0	QPSK	30 MHz-1000 MHz	100 kHz	840.05	-60.28	-36	PASS
Band38	20	37850	100	#0	QPSK	1000 MHz-2545.00 MHz	1 MHz	2543.46	-45.97	-30	PASS
Band38	20	37850	100	#0	QPSK	2615.00 MHz-3000 MHz	1 MHz	2616.93	-44.91	-30	PASS
Band38	20	37850	100	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	5262.00	-51.90	-30	PASS
Band38	20	37850	100	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2133.28	-58.85	-50	PASS
Band38	20	37850	100	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1876.70	-59.04	-50	PASS
Band38	20	37850	100	#0	QPSK	925 MHz-960 MHz	1 MHz	933.65	-59.60	-50	PASS
Band38	20	37850	100	#0	QPSK	791 MHz-821 MHz	1 MHz	799.76	-59.35	-50	PASS
Band38	20	37850	100	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3588.96	-58.08	-50	PASS
Band38	20	37850	100	#0	QPSK	758 MHz-803 MHz	1 MHz	799.81	-59.37	-50	PASS
Band38	20	37850	100	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	463.15	-59.80	-50	PASS
Band38	20	37850	100	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1477.34	-59.16	-50	PASS
Band38	20	37850	100	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1914.70	-58.83	-50	PASS
Band38	20	37850	100	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2017.56	-58.83	-50	PASS
Band38	20	37850	100	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2389.50	-58.54	-50	PASS
Band38	20	37850	100	#0	QPSK	3400	1	3598.40	-57.87	-50	PASS

						MHz-3600 MHz	MHz				
Band38	20	37850	100	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3654.80	-58.19	-50	PASS
Band38	20	37850	100	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2133.58	-58.86	-50	PASS
Band38	20	37850	100	#0	QPSK	738 MHz-758 MHz	1 MHz	757.06	-59.14	-50	PASS
Band38	20	37850	100	#0	QPSK	753 MHz-783 MHz	1 MHz	780.93	-59.50	-50	PASS
Band38	20	37850	100	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2642.50	-51.19	-15.5	PASS
Band38	20	37850	100	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2658.28	-51.13	1.6	PASS
Band38	20	37850	1	#0	16QAM	9 kHz-150 kHz	1 kHz	0.01	-52.07	-36	PASS
Band38	20	37850	1	#0	16QAM	150 kHz-30 MHz	10 kHz	6.18	-54.81	-36	PASS
Band38	20	37850	1	#0	16QAM	30 MHz-1000 MHz	100 kHz	780.20	-59.96	-36	PASS
Band38	20	37850	1	#0	16QAM	1000 MHz-2545.00 MHz	1 MHz	2535.73	-48.31	-30	PASS
Band38	20	37850	1	#0	16QAM	2615.00 MHz-3000 MHz	1 MHz	2998.08	-50.10	-30	PASS
Band38	20	37850	1	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	6609.94	-52.19	-30	PASS
Band38	20	37850	1	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2159.68	-58.76	-50	PASS
Band38	20	37850	1	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1865.15	-59.12	-50	PASS
Band38	20	37850	1	#0	16QAM	925 MHz-960 MHz	1 MHz	926.47	-59.55	-50	PASS
Band38	20	37850	1	#0	16QAM	791 MHz-821 MHz	1 MHz	793.49	-59.43	-50	PASS

Band38	20	37850	1	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3588.24	-57.88	-50	PASS
Band38	20	37850	1	#0	16QAM	758 MHz-803 MHz	1 MHz	786.17	-59.44	-50	PASS
Band38	20	37850	1	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	466.39	-59.82	-50	PASS
Band38	20	37850	1	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1482.05	-59.16	-50	PASS
Band38	20	37850	1	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1919.66	-58.80	-50	PASS
Band38	20	37850	1	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2018.66	-58.80	-50	PASS
Band38	20	37850	1	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2382.80	-58.51	-50	PASS
Band38	20	37850	1	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3599.20	-57.90	-50	PASS
Band38	20	37850	1	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3654.60	-58.21	-50	PASS
Band38	20	37850	1	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2183.71	-58.87	-50	PASS
Band38	20	37850	1	#0	16QAM	738 MHz-758 MHz	1 MHz	757.02	-59.08	-50	PASS
Band38	20	37850	1	#0	16QAM	753 MHz-783 MHz	1 MHz	781.89	-59.56	-50	PASS
Band38	20	37850	1	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2640.70	-51.21	-15.5	PASS
Band38	20	37850	1	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2676.01	-51.07	1.6	PASS
Band38	20	37850	1	#Max	16QAM	9 kHz-150 kHz	1 kHz	0.01	-50.61	-36	PASS
Band38	20	37850	1	#Max	16QAM	150 kHz-30 MHz	10 kHz	6.52	-55.17	-36	PASS

Band38	20	37850	1	#Max	16QAM	30 MHz-1000 MHz	100 kHz	813.47	-60.16	-36	PASS
Band38	20	37850	1	#Max	16QAM	1000 MHz-2545.00 MHz	1 MHz	2517.19	-49.23	-30	PASS
Band38	20	37850	1	#Max	16QAM	2615.00 MHz-3000 MHz	1 MHz	2624.95	-46.47	-30	PASS
Band38	20	37850	1	#Max	16QAM	3000 MHz-12.75 GHz	1 MHz	5899.81	-52.25	-30	PASS
Band38	20	37850	1	#Max	16QAM	2110 MHz-2170 MHz	1 MHz	2140.24	-58.85	-50	PASS
Band38	20	37850	1	#Max	16QAM	1805 MHz-1880 MHz	1 MHz	1858.78	-59.06	-50	PASS
Band38	20	37850	1	#Max	16QAM	925 MHz-960 MHz	1 MHz	943.13	-59.66	-50	PASS
Band38	20	37850	1	#Max	16QAM	791 MHz-821 MHz	1 MHz	800.00	-59.32	-50	PASS
Band38	20	37850	1	#Max	16QAM	3510 MHz-3590 MHz	1 MHz	3586.16	-58.00	-50	PASS
Band38	20	37850	1	#Max	16QAM	758 MHz-803 MHz	1 MHz	801.56	-59.40	-50	PASS
Band38	20	37850	1	#Max	16QAM	462.5 MHz-467.5 MHz	1 MHz	465.76	-59.83	-50	PASS
Band38	20	37850	1	#Max	16QAM	1452 MHz-1496 MHz	1 MHz	1475.23	-59.17	-50	PASS
Band38	20	37850	1	#Max	16QAM	1900 MHz-1920 MHz	1 MHz	1919.50	-58.79	-50	PASS
Band38	20	37850	1	#Max	16QAM	2010 MHz-2025 MHz	1 MHz	2014.53	-58.76	-50	PASS
Band38	20	37850	1	#Max	16QAM	2300 MHz-2400 MHz	1 MHz	2368.00	-58.57	-50	PASS
Band38	20	37850	1	#Max	16QAM	3400 MHz-3600 MHz	1 MHz	3594.80	-57.81	-50	PASS

						MHz					
Band38	20	37850	1	#Max	16QAM	3600 MHz-3800 MHz	1 MHz	3660.60	-58.19	-50	PASS
Band38	20	37850	1	#Max	16QAM	2110 MHz-2200 MHz	1 MHz	2140.24	-58.74	-50	PASS
Band38	20	37850	1	#Max	16QAM	738 MHz-758 MHz	1 MHz	756.34	-59.17	-50	PASS
Band38	20	37850	1	#Max	16QAM	753 MHz-783 MHz	1 MHz	781.35	-59.51	-50	PASS
Band38	20	37850	1	#Max	16QAM	2620 MHz-2645 MHz	5 MHz	2643.65	-51.17	-15.5	PASS
Band38	20	37850	1	#Max	16QAM	2645 MHz-2690 MHz	5 MHz	2660.75	-51.11	1.6	PASS
Band38	20	37850	100	#0	16QAM	9 kHz-150 kHz	1 kHz	0.12	-50.24	-36	PASS
Band38	20	37850	100	#0	16QAM	150 kHz-30 MHz	10 kHz	6.73	-54.85	-36	PASS
Band38	20	37850	100	#0	16QAM	30 MHz-1000 MHz	100 kHz	813.95	-59.98	-36	PASS
Band38	20	37850	100	#0	16QAM	1000 MHz-2545.00 MHz	1 MHz	2538.82	-46.85	-30	PASS
Band38	20	37850	100	#0	16QAM	2615.00 MHz-3000 MHz	1 MHz	2616.60	-47.63	-30	PASS
Band38	20	37850	100	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	6471.00	-52.23	-30	PASS
Band38	20	37850	100	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2125.18	-58.88	-50	PASS
Band38	20	37850	100	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1876.70	-59.06	-50	PASS
Band38	20	37850	100	#0	16QAM	925 MHz-960 MHz	1 MHz	929.24	-59.55	-50	PASS
Band38	20	37850	100	#0	16QAM	791 MHz-821 MHz	1 MHz	800.24	-59.40	-50	PASS
Band38	20	37850	100	#0	16QAM	3510	1	3588.56	-58.03	-50	PASS

						MHz-3590 MHz	MHz				
Band38	20	37850	100	#0	16QAM	758 MHz-803 MHz	1 MHz	794.59	-59.41	-50	PASS
Band38	20	37850	100	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	463.63	-59.76	-50	PASS
Band38	20	37850	100	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1490.81	-59.14	-50	PASS
Band38	20	37850	100	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1918.36	-58.79	-50	PASS
Band38	20	37850	100	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2010.99	-58.77	-50	PASS
Band38	20	37850	100	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2381.10	-58.50	-50	PASS
Band38	20	37850	100	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3600.00	-57.77	-50	PASS
Band38	20	37850	100	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3654.20	-58.17	-50	PASS
Band38	20	37850	100	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2160.13	-58.85	-50	PASS
Band38	20	37850	100	#0	16QAM	738 MHz-758 MHz	1 MHz	755.60	-59.08	-50	PASS
Band38	20	37850	100	#0	16QAM	753 MHz-783 MHz	1 MHz	781.80	-59.44	-50	PASS
Band38	20	37850	100	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2643.60	-51.18	-15.5	PASS
Band38	20	37850	100	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2652.11	-51.06	1.6	PASS
Band38	20	38000	1	#0	QPSK	9 kHz-150 kHz	1 kHz	0.01	-50.70	-36	PASS
Band38	20	38000	1	#0	QPSK	150 kHz-30 MHz	10 kHz	6.03	-54.80	-36	PASS
Band38	20	38000	1	#0	QPSK	30 MHz-1000	100	824.04	-60.19	-36	PASS



						MHz	kHz				
Band38	20	38000	1	#0	QPSK	1000 MHz-2560.00 MHz	1 MHz	2550.64	-48.37	-30	PASS
Band38	20	38000	1	#0	QPSK	2630.00 MHz-3000 MHz	1 MHz	2996.30	-50.13	-30	PASS
Band38	20	38000	1	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	5875.44	-52.23	-30	PASS
Band38	20	38000	1	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2139.88	-58.80	-50	PASS
Band38	20	38000	1	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1878.43	-58.97	-50	PASS
Band38	20	38000	1	#0	QPSK	925 MHz-960 MHz	1 MHz	930.88	-59.55	-50	PASS
Band38	20	38000	1	#0	QPSK	791 MHz-821 MHz	1 MHz	795.86	-59.36	-50	PASS
Band38	20	38000	1	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3514.24	-57.91	-50	PASS
Band38	20	38000	1	#0	QPSK	758 MHz-803 MHz	1 MHz	793.87	-59.36	-50	PASS
Band38	20	38000	1	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	462.55	-59.80	-50	PASS
Band38	20	38000	1	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1489.93	-59.12	-50	PASS
Band38	20	38000	1	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1917.04	-58.77	-50	PASS
Band38	20	38000	1	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2020.08	-58.75	-50	PASS
Band38	20	38000	1	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2377.20	-58.43	-50	PASS
Band38	20	38000	1	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3600.00	-57.81	-50	PASS

Band38	20	38000	1	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3654.40	-58.20	-50	PASS
Band38	20	38000	1	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2139.79	-58.84	-50	PASS
Band38	20	38000	1	#0	QPSK	738 MHz-758 MHz	1 MHz	754.74	-59.07	-50	PASS
Band38	20	38000	1	#0	QPSK	753 MHz-783 MHz	1 MHz	781.92	-59.49	-50	PASS
Band38	20	38000	1	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2642.15	-51.19	-15.5	PASS
Band38	20	38000	1	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2662.73	-51.10	1.6	PASS
Band38	20	38000	1	#Max	QPSK	9 kHz-150 kHz	1 kHz	0.01	-50.33	-36	PASS
Band38	20	38000	1	#Max	QPSK	150 kHz-30 MHz	10 kHz	6.11	-56.27	-36	PASS
Band38	20	38000	1	#Max	QPSK	30 MHz-1000 MHz	100 kHz	926.96	-59.97	-36	PASS
Band38	20	38000	1	#Max	QPSK	1000 MHz-2560.00 MHz	1 MHz	2533.48	-49.21	-30	PASS
Band38	20	38000	1	#Max	QPSK	2630.00 MHz-3000 MHz	1 MHz	2640.18	-48.66	-30	PASS
Band38	20	38000	1	#Max	QPSK	3000 MHz-12.75 GHz	1 MHz	5262.00	-51.46	-30	PASS
Band38	20	38000	1	#Max	QPSK	2110 MHz-2170 MHz	1 MHz	2134.90	-58.83	-50	PASS
Band38	20	38000	1	#Max	QPSK	1805 MHz-1880 MHz	1 MHz	1874.08	-59.07	-50	PASS
Band38	20	38000	1	#Max	QPSK	925 MHz-960 MHz	1 MHz	927.84	-59.60	-50	PASS
Band38	20	38000	1	#Max	QPSK	791 MHz-821 MHz	1 MHz	799.94	-59.21	-50	PASS
Band38	20	38000	1	#Max	QPSK	3510 MHz-3590 MHz	1 MHz	3589.68	-58.02	-50	PASS

						MHz					
Band38	20	38000	1	#Max	QPSK	758 MHz-803 MHz	1 MHz	796.03	-59.37	-50	PASS
Band38	20	38000	1	#Max	QPSK	462.5 MHz-467.5 MHz	1 MHz	462.93	-59.78	-50	PASS
Band38	20	38000	1	#Max	QPSK	1452 MHz-1496 MHz	1 MHz	1492.44	-59.12	-50	PASS
Band38	20	38000	1	#Max	QPSK	1900 MHz-1920 MHz	1 MHz	1918.44	-58.76	-50	PASS
Band38	20	38000	1	#Max	QPSK	2010 MHz-2025 MHz	1 MHz	2014.89	-58.67	-50	PASS
Band38	20	38000	1	#Max	QPSK	2300 MHz-2400 MHz	1 MHz	2383.50	-58.51	-50	PASS
Band38	20	38000	1	#Max	QPSK	3400 MHz-3600 MHz	1 MHz	3598.60	-57.81	-50	PASS
Band38	20	38000	1	#Max	QPSK	3600 MHz-3800 MHz	1 MHz	3654.60	-58.17	-50	PASS
Band38	20	38000	1	#Max	QPSK	2110 MHz-2200 MHz	1 MHz	2171.20	-58.86	-50	PASS
Band38	20	38000	1	#Max	QPSK	738 MHz-758 MHz	1 MHz	756.62	-59.10	-50	PASS
Band38	20	38000	1	#Max	QPSK	753 MHz-783 MHz	1 MHz	781.80	-59.38	-50	PASS
Band38	20	38000	1	#Max	QPSK	2620 MHz-2645 MHz	5 MHz	2644.90	-51.12	-15.5	PASS
Band38	20	38000	1	#Max	QPSK	2645 MHz-2690 MHz	5 MHz	2660.84	-51.10	1.6	PASS
Band38	20	38000	100	#0	QPSK	9 kHz-150 kHz	1 kHz	0.12	-50.60	-36	PASS
Band38	20	38000	100	#0	QPSK	150 kHz-30 MHz	10 kHz	6.74	-54.99	-36	PASS
Band38	20	38000	100	#0	QPSK	30 MHz-1000 MHz	100 kHz	769.92	-60.21	-36	PASS

Band38	20	38000	100	#0	QPSK	1000 MHz-2560.00 MHz	1 MHz	2555.32	-44.53	-30	PASS
Band38	20	38000	100	#0	QPSK	2630.00 MHz-3000 MHz	1 MHz	2630.31	-40.82	-30	PASS
Band38	20	38000	100	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	5936.38	-52.23	-30	PASS
Band38	20	38000	100	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2139.22	-58.85	-50	PASS
Band38	20	38000	100	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1880.00	-59.02	-50	PASS
Band38	20	38000	100	#0	QPSK	925 MHz-960 MHz	1 MHz	934.14	-59.58	-50	PASS
Band38	20	38000	100	#0	QPSK	791 MHz-821 MHz	1 MHz	800.12	-59.32	-50	PASS
Band38	20	38000	100	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3586.16	-57.95	-50	PASS
Band38	20	38000	100	#0	QPSK	758 MHz-803 MHz	1 MHz	800.57	-59.34	-50	PASS
Band38	20	38000	100	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	464.04	-59.71	-50	PASS
Band38	20	38000	100	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1463.92	-59.15	-50	PASS
Band38	20	38000	100	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1919.82	-58.74	-50	PASS
Band38	20	38000	100	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2018.97	-58.78	-50	PASS
Band38	20	38000	100	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2373.70	-58.47	-50	PASS
Band38	20	38000	100	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3596.60	-57.82	-50	PASS
Band38	20	38000	100	#0	QPSK	3600	1	3654.60	-58.18	-50	PASS

						MHz-3800 MHz	MHz				
Band38	20	38000	100	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2181.73	-58.85	-50	PASS
Band38	20	38000	100	#0	QPSK	738 MHz-758 MHz	1 MHz	757.66	-59.09	-50	PASS
Band38	20	38000	100	#0	QPSK	753 MHz-783 MHz	1 MHz	782.88	-59.50	-50	PASS
Band38	20	38000	100	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2644.55	-51.17	-15.5	PASS
Band38	20	38000	100	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2649.28	-51.09	1.6	PASS
Band38	20	38000	1	#0	16QAM	9 kHz-150 kHz	1 kHz	0.01	-50.58	-36	PASS
Band38	20	38000	1	#0	16QAM	150 kHz-30 MHz	10 kHz	6.74	-55.76	-36	PASS
Band38	20	38000	1	#0	16QAM	30 MHz-1000 MHz	100 kHz	899.99	-59.80	-36	PASS
Band38	20	38000	1	#0	16QAM	1000 MHz-2560.00 MHz	1 MHz	2550.64	-49.08	-30	PASS
Band38	20	38000	1	#0	16QAM	2630.00 MHz-3000 MHz	1 MHz	2994.45	-50.17	-30	PASS
Band38	20	38000	1	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	6601.81	-52.21	-30	PASS
Band38	20	38000	1	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2126.50	-58.85	-50	PASS
Band38	20	38000	1	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1863.88	-59.09	-50	PASS
Band38	20	38000	1	#0	16QAM	925 MHz-960 MHz	1 MHz	932.39	-59.60	-50	PASS
Band38	20	38000	1	#0	16QAM	791 MHz-821 MHz	1 MHz	800.06	-59.36	-50	PASS
Band38	20	38000	1	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3525.36	-56.90	-50	PASS

Band38	20	38000	1	#0	16QAM	758 MHz-803 MHz	1 MHz	793.96	-59.37	-50	PASS
Band38	20	38000	1	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	464.58	-59.76	-50	PASS
Band38	20	38000	1	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1470.74	-59.08	-50	PASS
Band38	20	38000	1	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1917.66	-58.77	-50	PASS
Band38	20	38000	1	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2019.41	-58.76	-50	PASS
Band38	20	38000	1	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2366.90	-58.57	-50	PASS
Band38	20	38000	1	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3598.60	-56.68	-50	PASS
Band38	20	38000	1	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3654.60	-58.13	-50	PASS
Band38	20	38000	1	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2139.88	-58.85	-50	PASS
Band38	20	38000	1	#0	16QAM	738 MHz-758 MHz	1 MHz	749.88	-59.11	-50	PASS
Band38	20	38000	1	#0	16QAM	753 MHz-783 MHz	1 MHz	782.28	-59.52	-50	PASS
Band38	20	38000	1	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2641.93	-51.17	-15.5	PASS
Band38	20	38000	1	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2670.83	-51.08	1.6	PASS
Band38	20	38000	1	#Max	16QAM	9 kHz-150 kHz	1 kHz	0.11	-51.21	-36	PASS
Band38	20	38000	1	#Max	16QAM	150 kHz-30 MHz	10 kHz	6.10	-52.28	-36	PASS
Band38	20	38000	1	#Max	16QAM	30 MHz-1000 MHz	100 kHz	799.99	-59.99	-36	PASS
Band38	20	38000	1	#Max	16QAM	1000	1	2511.64	-49.18	-30	PASS

						MHz-2560.00 MHz	MHz				
Band38	20	38000	1	#Max	16QAM	2630.00 MHz-3000 MHz	1 MHz	2639.56	-48.41	-30	PASS
Band38	20	38000	1	#Max	16QAM	3000 MHz-12.75 GHz	1 MHz	6591.25	-52.20	-30	PASS
Band38	20	38000	1	#Max	16QAM	2110 MHz-2170 MHz	1 MHz	2159.86	-58.87	-50	PASS
Band38	20	38000	1	#Max	16QAM	1805 MHz-1880 MHz	1 MHz	1872.88	-59.05	-50	PASS
Band38	20	38000	1	#Max	16QAM	925 MHz-960 MHz	1 MHz	934.45	-59.54	-50	PASS
Band38	20	38000	1	#Max	16QAM	791 MHz-821 MHz	1 MHz	799.73	-59.33	-50	PASS
Band38	20	38000	1	#Max	16QAM	3510 MHz-3590 MHz	1 MHz	3588.48	-58.00	-50	PASS
Band38	20	38000	1	#Max	16QAM	758 MHz-803 MHz	1 MHz	797.56	-59.40	-50	PASS
Band38	20	38000	1	#Max	16QAM	462.5 MHz-467.5 MHz	1 MHz	466.98	-59.79	-50	PASS
Band38	20	38000	1	#Max	16QAM	1452 MHz-1496 MHz	1 MHz	1483.28	-59.09	-50	PASS
Band38	20	38000	1	#Max	16QAM	1900 MHz-1920 MHz	1 MHz	1917.20	-58.81	-50	PASS
Band38	20	38000	1	#Max	16QAM	2010 MHz-2025 MHz	1 MHz	2019.71	-58.76	-50	PASS
Band38	20	38000	1	#Max	16QAM	2300 MHz-2400 MHz	1 MHz	2397.60	-58.54	-50	PASS
Band38	20	38000	1	#Max	16QAM	3400 MHz-3600 MHz	1 MHz	3599.60	-57.76	-50	PASS
Band38	20	38000	1	#Max	16QAM	3600 MHz-3800 MHz	1 MHz	3654.20	-58.17	-50	PASS



						MHz					
Band38	20	38000	1	#Max	16QAM	2110 MHz-2200 MHz	1 MHz	2197.30	-58.78	-50	PASS
Band38	20	38000	1	#Max	16QAM	738 MHz-758 MHz	1 MHz	753.20	-59.13	-50	PASS
Band38	20	38000	1	#Max	16QAM	753 MHz-783 MHz	1 MHz	779.01	-59.55	-50	PASS
Band38	20	38000	1	#Max	16QAM	2620 MHz-2645 MHz	5 MHz	2642.53	-51.17	-15.5	PASS
Band38	20	38000	1	#Max	16QAM	2645 MHz-2690 MHz	5 MHz	2657.33	-51.09	1.6	PASS
Band38	20	38000	100	#0	16QAM	9 kHz-150 kHz	1 kHz	0.01	-52.30	-36	PASS
Band38	20	38000	100	#0	16QAM	150 kHz-30 MHz	10 kHz	6.09	-54.27	-36	PASS
Band38	20	38000	100	#0	16QAM	30 MHz-1000 MHz	100 kHz	795.62	-60.12	-36	PASS
Band38	20	38000	100	#0	16QAM	1000 MHz-2560.00 MHz	1 MHz	2560.00	-46.58	-30	PASS
Band38	20	38000	100	#0	16QAM	2630.00 MHz-3000 MHz	1 MHz	2631.85	-44.53	-30	PASS
Band38	20	38000	100	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	5889.25	-52.15	-30	PASS
Band38	20	38000	100	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2145.40	-58.77	-50	PASS
Band38	20	38000	100	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1873.48	-59.07	-50	PASS
Band38	20	38000	100	#0	16QAM	925 MHz-960 MHz	1 MHz	926.12	-59.63	-50	PASS
Band38	20	38000	100	#0	16QAM	791 MHz-821 MHz	1 MHz	799.97	-59.31	-50	PASS
Band38	20	38000	100	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3589.60	-57.87	-50	PASS
Band38	20	38000	100	#0	16QAM	758 MHz-803 MHz	1 MHz	795.35	-59.38	-50	PASS

						MHz	MHz				
Band38	20	38000	100	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	465.45	-59.75	-50	PASS
Band38	20	38000	100	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1485.57	-59.15	-50	PASS
Band38	20	38000	100	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1907.72	-58.73	-50	PASS
Band38	20	38000	100	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2012.58	-58.78	-50	PASS
Band38	20	38000	100	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2356.60	-58.49	-50	PASS
Band38	20	38000	100	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3600.00	-57.79	-50	PASS
Band38	20	38000	100	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3654.00	-58.11	-50	PASS
Band38	20	38000	100	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2159.41	-58.82	-50	PASS
Band38	20	38000	100	#0	16QAM	738 MHz-758 MHz	1 MHz	757.70	-59.07	-50	PASS
Band38	20	38000	100	#0	16QAM	753 MHz-783 MHz	1 MHz	782.61	-59.51	-50	PASS
Band38	20	38000	100	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2641.60	-51.17	-15.5	PASS
Band38	20	38000	100	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2657.11	-51.08	1.6	PASS
Band38	20	38150	1	#0	QPSK	9 kHz-150 kHz	1 kHz	0.12	-51.49	-36	PASS
Band38	20	38150	1	#0	QPSK	150 kHz-30 MHz	10 kHz	6.18	-54.65	-36	PASS
Band38	20	38150	1	#0	QPSK	30 MHz-1000 MHz	100 kHz	803.48	-60.14	-36	PASS
Band38	20	38150	1	#0	QPSK	1000 MHz-2575.00 MHz	1 MHz	2456.88	-45.68	-30	PASS

						MHz					
Band38	20	38150	1	#0	QPSK	2645.00 MHz-3000 MHz	1 MHz	2999.70	-50.05	-30	PASS
Band38	20	38150	1	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	6480.75	-52.14	-30	PASS
Band38	20	38150	1	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2142.76	-58.83	-50	PASS
Band38	20	38150	1	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1875.88	-59.06	-50	PASS
Band38	20	38150	1	#0	QPSK	925 MHz-960 MHz	1 MHz	934.03	-59.60	-50	PASS
Band38	20	38150	1	#0	QPSK	791 MHz-821 MHz	1 MHz	793.82	-59.34	-50	PASS
Band38	20	38150	1	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3588.80	-57.98	-50	PASS
Band38	20	38150	1	#0	QPSK	758 MHz-803 MHz	1 MHz	799.90	-59.38	-50	PASS
Band38	20	38150	1	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	466.46	-59.74	-50	PASS
Band38	20	38150	1	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1494.94	-59.12	-50	PASS
Band38	20	38150	1	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1916.26	-58.78	-50	PASS
Band38	20	38150	1	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2022.87	-58.76	-50	PASS
Band38	20	38150	1	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2369.90	-58.52	-50	PASS
Band38	20	38150	1	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3599.60	-57.88	-50	PASS
Band38	20	38150	1	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3654.40	-58.18	-50	PASS

Band38	20	38150	1	#0	QPSK	2110 MHz-2200 MHz	1 MHz	2156.17	-58.82	-50	PASS
Band38	20	38150	1	#0	QPSK	738 MHz-758 MHz	1 MHz	756.74	-59.09	-50	PASS
Band38	20	38150	1	#0	QPSK	753 MHz-783 MHz	1 MHz	780.75	-59.49	-50	PASS
Band38	20	38150	1	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2643.15	-51.19	-15.5	PASS
Band38	20	38150	1	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2654.81	-51.11	1.6	PASS
Band38	20	38150	1	#Max	QPSK	9 kHz-150 kHz	1 kHz	0.12	-50.57	-36	PASS
Band38	20	38150	1	#Max	QPSK	150 kHz-30 MHz	10 kHz	6.01	-55.53	-36	PASS
Band38	20	38150	1	#Max	QPSK	30 MHz-1000 MHz	100 kHz	927.44	-60.15	-36	PASS
Band38	20	38150	1	#Max	QPSK	1000 MHz-2575.00 MHz	1 MHz	2548.23	-49.06	-30	PASS
Band38	20	38150	1	#Max	QPSK	2645.00 MHz-3000 MHz	1 MHz	2654.17	-44.07	-30	PASS
Band38	20	38150	1	#Max	QPSK	3000 MHz-12.75 GHz	1 MHz	5924.19	-52.19	-30	PASS
Band38	20	38150	1	#Max	QPSK	2110 MHz-2170 MHz	1 MHz	2120.02	-58.84	-50	PASS
Band38	20	38150	1	#Max	QPSK	1805 MHz-1880 MHz	1 MHz	1863.43	-59.05	-50	PASS
Band38	20	38150	1	#Max	QPSK	925 MHz-960 MHz	1 MHz	935.05	-59.57	-50	PASS
Band38	20	38150	1	#Max	QPSK	791 MHz-821 MHz	1 MHz	800.09	-59.37	-50	PASS
Band38	20	38150	1	#Max	QPSK	3510 MHz-3590 MHz	1 MHz	3589.44	-57.92	-50	PASS
Band38	20	38150	1	#Max	QPSK	758 MHz-803 MHz	1 MHz	799.72	-59.40	-50	PASS

Band38	20	38150	1	#Max	QPSK	462.5 MHz-467.5 MHz	1 MHz	462.52	-59.75	-50	PASS
Band38	20	38150	1	#Max	QPSK	1452 MHz-1496 MHz	1 MHz	1456.44	-59.10	-50	PASS
Band38	20	38150	1	#Max	QPSK	1900 MHz-1920 MHz	1 MHz	1913.42	-58.82	-50	PASS
Band38	20	38150	1	#Max	QPSK	2010 MHz-2025 MHz	1 MHz	2018.73	-58.76	-50	PASS
Band38	20	38150	1	#Max	QPSK	2300 MHz-2400 MHz	1 MHz	2387.40	-58.47	-50	PASS
Band38	20	38150	1	#Max	QPSK	3400 MHz-3600 MHz	1 MHz	3599.00	-57.79	-50	PASS
Band38	20	38150	1	#Max	QPSK	3600 MHz-3800 MHz	1 MHz	3654.80	-58.20	-50	PASS
Band38	20	38150	1	#Max	QPSK	2110 MHz-2200 MHz	1 MHz	2153.38	-58.83	-50	PASS
Band38	20	38150	1	#Max	QPSK	738 MHz-758 MHz	1 MHz	753.78	-59.07	-50	PASS
Band38	20	38150	1	#Max	QPSK	753 MHz-783 MHz	1 MHz	781.80	-59.49	-50	PASS
Band38	20	38150	1	#Max	QPSK	2620 MHz-2645 MHz	5 MHz	2642.33	-51.15	-15.5	PASS
Band38	20	38150	1	#Max	QPSK	2645 MHz-2690 MHz	5 MHz	2658.19	-51.08	1.6	PASS
Band38	20	38150	100	#0	QPSK	9 kHz-150 kHz	1 kHz	0.01	-51.16	-36	PASS
Band38	20	38150	100	#0	QPSK	150 kHz-30 MHz	10 kHz	6.19	-55.23	-36	PASS
Band38	20	38150	100	#0	QPSK	30 MHz-1000 MHz	100 kHz	801.34	-60.16	-36	PASS
Band38	20	38150	100	#0	QPSK	1000 MHz-2575.00 MHz	1 MHz	2570.28	-45.71	-30	PASS

Band38	20	38150	100	#0	QPSK	2645.00 MHz-3000 MHz	1 MHz	2646.78	-41.39	-30	PASS
Band38	20	38150	100	#0	QPSK	3000 MHz-12.75 GHz	1 MHz	6602.63	-52.19	-30	PASS
Band38	20	38150	100	#0	QPSK	2110 MHz-2170 MHz	1 MHz	2140.18	-58.79	-50	PASS
Band38	20	38150	100	#0	QPSK	1805 MHz-1880 MHz	1 MHz	1863.88	-58.98	-50	PASS
Band38	20	38150	100	#0	QPSK	925 MHz-960 MHz	1 MHz	928.05	-59.57	-50	PASS
Band38	20	38150	100	#0	QPSK	791 MHz-821 MHz	1 MHz	800.06	-59.38	-50	PASS
Band38	20	38150	100	#0	QPSK	3510 MHz-3590 MHz	1 MHz	3589.76	-57.93	-50	PASS
Band38	20	38150	100	#0	QPSK	758 MHz-803 MHz	1 MHz	800.03	-59.36	-50	PASS
Band38	20	38150	100	#0	QPSK	462.5 MHz-467.5 MHz	1 MHz	462.67	-59.78	-50	PASS
Band38	20	38150	100	#0	QPSK	1452 MHz-1496 MHz	1 MHz	1459.08	-59.11	-50	PASS
Band38	20	38150	100	#0	QPSK	1900 MHz-1920 MHz	1 MHz	1918.60	-58.79	-50	PASS
Band38	20	38150	100	#0	QPSK	2010 MHz-2025 MHz	1 MHz	2019.41	-58.77	-50	PASS
Band38	20	38150	100	#0	QPSK	2300 MHz-2400 MHz	1 MHz	2372.30	-58.52	-50	PASS
Band38	20	38150	100	#0	QPSK	3400 MHz-3600 MHz	1 MHz	3598.20	-57.88	-50	PASS
Band38	20	38150	100	#0	QPSK	3600 MHz-3800 MHz	1 MHz	3654.80	-58.15	-50	PASS
Band38	20	38150	100	#0	QPSK	2110	1	2139.61	-58.84	-50	PASS

						MHz-2200 MHz	MHz				
Band38	20	38150	100	#0	QPSK	738 MHz-758 MHz	1 MHz	756.96	-59.12	-50	PASS
Band38	20	38150	100	#0	QPSK	753 MHz-783 MHz	1 MHz	781.80	-59.44	-50	PASS
Band38	20	38150	100	#0	QPSK	2620 MHz-2645 MHz	5 MHz	2642.00	-51.16	-15.5	PASS
Band38	20	38150	100	#0	QPSK	2645 MHz-2690 MHz	5 MHz	2657.87	-51.09	1.6	PASS
Band38	20	38150	1	#0	16QAM	9 kHz-150 kHz	1 kHz	0.12	-50.91	-36	PASS
Band38	20	38150	1	#0	16QAM	150 kHz-30 MHz	10 kHz	6.53	-52.29	-36	PASS
Band38	20	38150	1	#0	16QAM	30 MHz-1000 MHz	100 kHz	922.21	-59.90	-36	PASS
Band38	20	38150	1	#0	16QAM	1000 MHz-2575.00 MHz	1 MHz	2565.55	-48.94	-30	PASS
Band38	20	38150	1	#0	16QAM	2645.00 MHz-3000 MHz	1 MHz	2999.11	-50.03	-30	PASS
Band38	20	38150	1	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	6553.88	-52.26	-30	PASS
Band38	20	38150	1	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2139.58	-58.84	-50	PASS
Band38	20	38150	1	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1879.48	-59.06	-50	PASS
Band38	20	38150	1	#0	16QAM	925 MHz-960 MHz	1 MHz	931.72	-59.59	-50	PASS
Band38	20	38150	1	#0	16QAM	791 MHz-821 MHz	1 MHz	793.70	-59.37	-50	PASS
Band38	20	38150	1	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3590.00	-57.97	-50	PASS
Band38	20	38150	1	#0	16QAM	758 MHz-803 MHz	1 MHz	799.85	-59.35	-50	PASS
Band38	20	38150	1	#0	16QAM	462.5	1	465.95	-59.77	-50	PASS



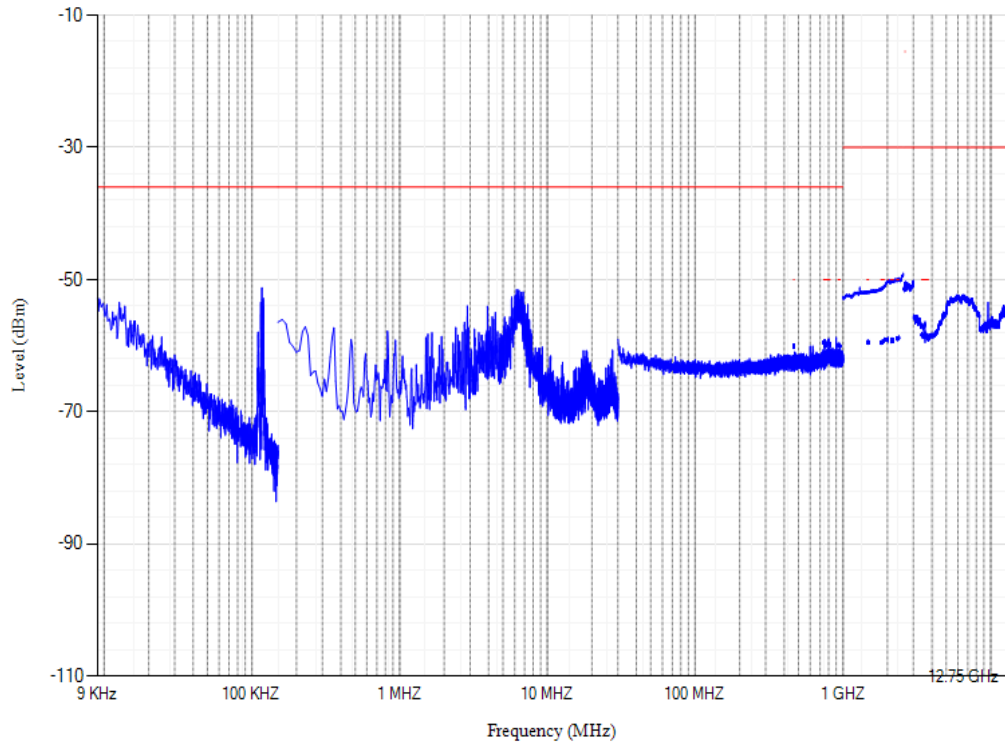
						MHz-467.5 MHz	MHz				
Band38	20	38150	1	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1485.35	-59.15	-50	PASS
Band38	20	38150	1	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1912.04	-58.79	-50	PASS
Band38	20	38150	1	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2010.41	-58.78	-50	PASS
Band38	20	38150	1	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2391.00	-58.46	-50	PASS
Band38	20	38150	1	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3597.20	-57.82	-50	PASS
Band38	20	38150	1	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3655.20	-58.16	-50	PASS
Band38	20	38150	1	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2140.06	-58.80	-50	PASS
Band38	20	38150	1	#0	16QAM	738 MHz-758 MHz	1 MHz	755.14	-59.08	-50	PASS
Band38	20	38150	1	#0	16QAM	753 MHz-783 MHz	1 MHz	779.97	-59.47	-50	PASS
Band38	20	38150	1	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2644.65	-51.16	-15.5	PASS
Band38	20	38150	1	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2658.82	-51.07	1.6	PASS
Band38	20	38150	1	#Max	16QAM	9 kHz-150 kHz	1 kHz	0.12	-50.43	-36	PASS
Band38	20	38150	1	#Max	16QAM	150 kHz-30 MHz	10 kHz	0.23	-55.91	-36	PASS
Band38	20	38150	1	#Max	16QAM	30 MHz-1000 MHz	100 kHz	57.65	-60.04	-36	PASS
Band38	20	38150	1	#Max	16QAM	1000 MHz-2575.00 MHz	1 MHz	2535.63	-49.15	-30	PASS
Band38	20	38150	1	#Max	16QAM	2645.00	1	2654.47	-43.09	-30	PASS

						MHz-3000 MHz	MHz				
Band38	20	38150	1	#Max	16QAM	3000 MHz-12.75 GHz	1 MHz	5255.50	-51.01	-30	PASS
Band38	20	38150	1	#Max	16QAM	2110 MHz-2170 MHz	1 MHz	2163.76	-58.77	-50	PASS
Band38	20	38150	1	#Max	16QAM	1805 MHz-1880 MHz	1 MHz	1874.60	-59.05	-50	PASS
Band38	20	38150	1	#Max	16QAM	925 MHz-960 MHz	1 MHz	927.91	-59.55	-50	PASS
Band38	20	38150	1	#Max	16QAM	791 MHz-821 MHz	1 MHz	799.64	-59.39	-50	PASS
Band38	20	38150	1	#Max	16QAM	3510 MHz-3590 MHz	1 MHz	3585.12	-58.02	-50	PASS
Band38	20	38150	1	#Max	16QAM	758 MHz-803 MHz	1 MHz	800.03	-59.32	-50	PASS
Band38	20	38150	1	#Max	16QAM	462.5 MHz-467.5 MHz	1 MHz	464.28	-59.80	-50	PASS
Band38	20	38150	1	#Max	16QAM	1452 MHz-1496 MHz	1 MHz	1470.00	-59.14	-50	PASS
Band38	20	38150	1	#Max	16QAM	1900 MHz-1920 MHz	1 MHz	1918.08	-58.78	-50	PASS
Band38	20	38150	1	#Max	16QAM	2010 MHz-2025 MHz	1 MHz	2020.02	-58.78	-50	PASS
Band38	20	38150	1	#Max	16QAM	2300 MHz-2400 MHz	1 MHz	2383.30	-58.50	-50	PASS
Band38	20	38150	1	#Max	16QAM	3400 MHz-3600 MHz	1 MHz	3600.00	-57.77	-50	PASS
Band38	20	38150	1	#Max	16QAM	3600 MHz-3800 MHz	1 MHz	3654.00	-58.23	-50	PASS
Band38	20	38150	1	#Max	16QAM	2110 MHz-2200 MHz	1 MHz	2140.33	-58.81	-50	PASS

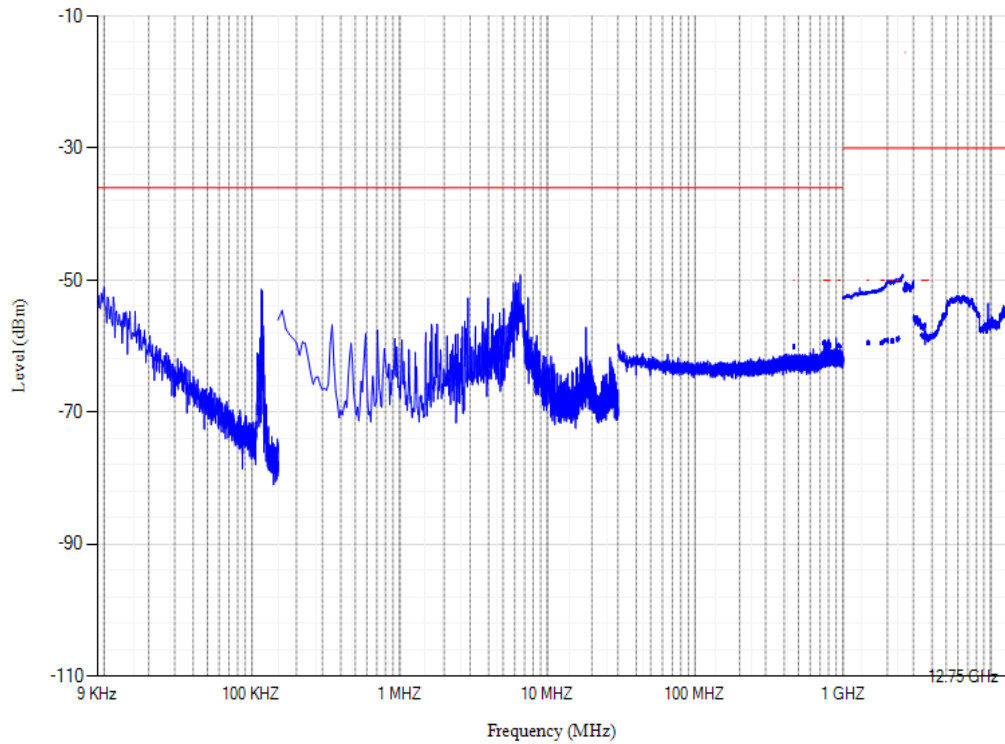
						MHz					
Band38	20	38150	1	#Max	16QAM	738 MHz-758 MHz	1 MHz	753.22	-59.12	-50	PASS
Band38	20	38150	1	#Max	16QAM	753 MHz-783 MHz	1 MHz	781.35	-59.49	-50	PASS
Band38	20	38150	1	#Max	16QAM	2620 MHz-2645 MHz	5 MHz	2643.55	-51.18	-15.5	PASS
Band38	20	38150	1	#Max	16QAM	2645 MHz-2690 MHz	5 MHz	2657.78	-51.09	1.6	PASS
Band38	20	38150	100	#0	16QAM	9 kHz-150 kHz	1 kHz	0.12	-51.48	-36	PASS
Band38	20	38150	100	#0	16QAM	150 kHz-30 MHz	10 kHz	6.47	-53.33	-36	PASS
Band38	20	38150	100	#0	16QAM	30 MHz-1000 MHz	100 kHz	834.71	-60.10	-36	PASS
Band38	20	38150	100	#0	16QAM	1000 MHz-2575.00 MHz	1 MHz	2575.00	-46.62	-30	PASS
Band38	20	38150	100	#0	16QAM	2645.00 MHz-3000 MHz	1 MHz	2647.66	-43.83	-30	PASS
Band38	20	38150	100	#0	16QAM	3000 MHz-12.75 GHz	1 MHz	5917.69	-52.10	-30	PASS
Band38	20	38150	100	#0	16QAM	2110 MHz-2170 MHz	1 MHz	2133.64	-58.81	-50	PASS
Band38	20	38150	100	#0	16QAM	1805 MHz-1880 MHz	1 MHz	1876.85	-59.06	-50	PASS
Band38	20	38150	100	#0	16QAM	925 MHz-960 MHz	1 MHz	925.60	-59.60	-50	PASS
Band38	20	38150	100	#0	16QAM	791 MHz-821 MHz	1 MHz	793.73	-59.38	-50	PASS
Band38	20	38150	100	#0	16QAM	3510 MHz-3590 MHz	1 MHz	3588.24	-58.02	-50	PASS
Band38	20	38150	100	#0	16QAM	758 MHz-803 MHz	1 MHz	799.81	-59.42	-50	PASS
Band38	20	38150	100	#0	16QAM	462.5 MHz-467.5 MHz	1 MHz	466.99	-59.68	-50	PASS

						MHz					
Band38	20	38150	100	#0	16QAM	1452 MHz-1496 MHz	1 MHz	1460.18	-59.15	-50	PASS
Band38	20	38150	100	#0	16QAM	1900 MHz-1920 MHz	1 MHz	1915.98	-58.82	-50	PASS
Band38	20	38150	100	#0	16QAM	2010 MHz-2025 MHz	1 MHz	2018.51	-58.75	-50	PASS
Band38	20	38150	100	#0	16QAM	2300 MHz-2400 MHz	1 MHz	2385.50	-58.47	-50	PASS
Band38	20	38150	100	#0	16QAM	3400 MHz-3600 MHz	1 MHz	3599.80	-57.83	-50	PASS
Band38	20	38150	100	#0	16QAM	3600 MHz-3800 MHz	1 MHz	3654.60	-58.25	-50	PASS
Band38	20	38150	100	#0	16QAM	2110 MHz-2200 MHz	1 MHz	2139.97	-58.84	-50	PASS
Band38	20	38150	100	#0	16QAM	738 MHz-758 MHz	1 MHz	752.74	-59.10	-50	PASS
Band38	20	38150	100	#0	16QAM	753 MHz-783 MHz	1 MHz	782.07	-59.50	-50	PASS
Band38	20	38150	100	#0	16QAM	2620 MHz-2645 MHz	5 MHz	2644.00	-51.16	-15.5	PASS
Band38	20	38150	100	#0	16QAM	2645 MHz-2690 MHz	5 MHz	2664.17	-51.10	1.6	PASS

Band38 QPSK BW=5MHz Channel=37775 RB Size=1 Position=#0

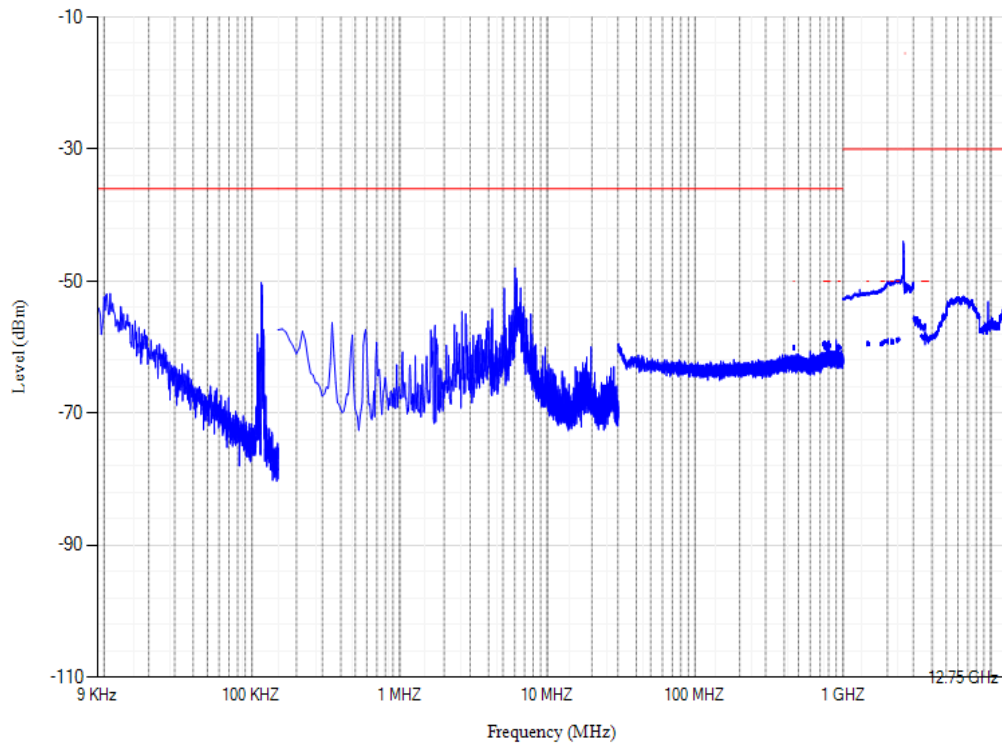
**Conducted spurious emissions**


Band38 QPSK BW=5MHz Channel=37775 RB Size=1 Position=#Max

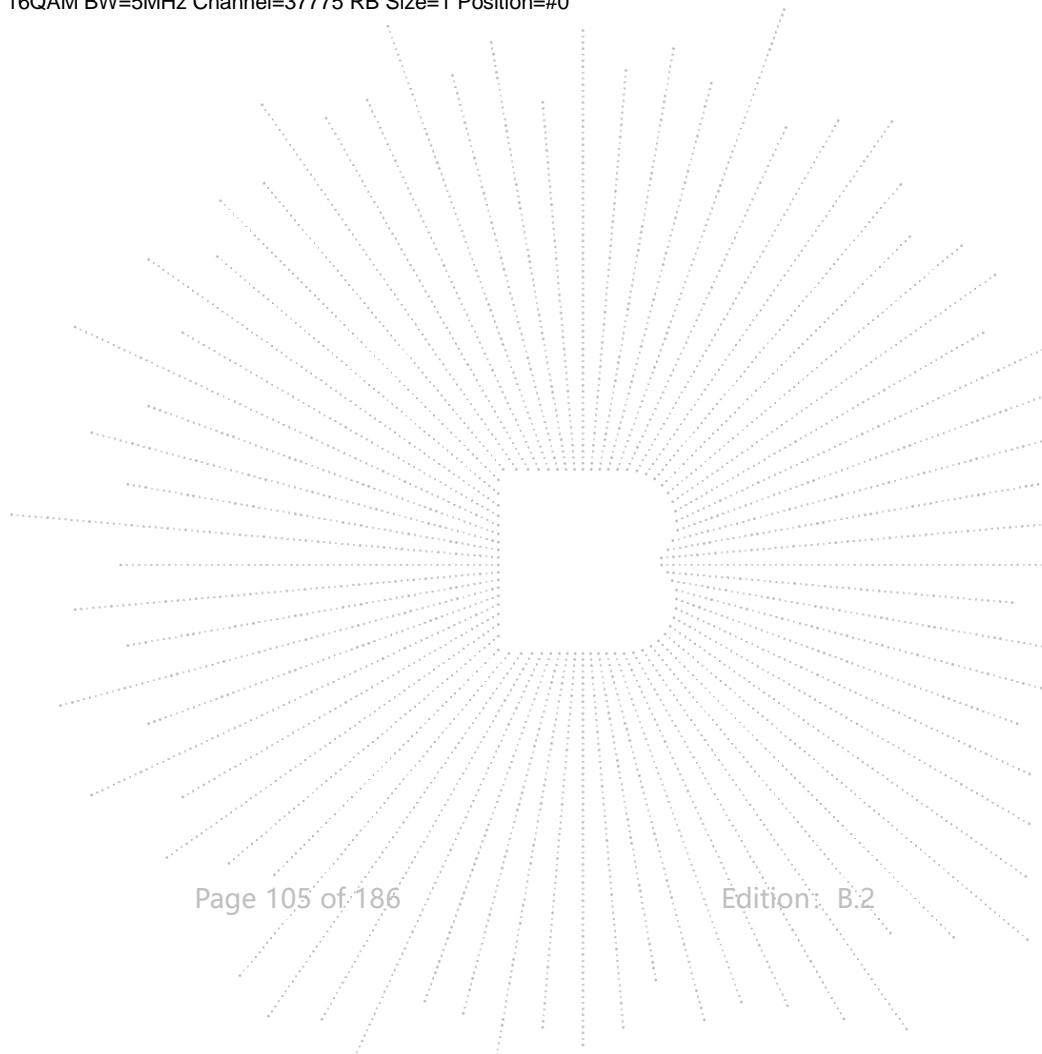
**Conducted spurious emissions**


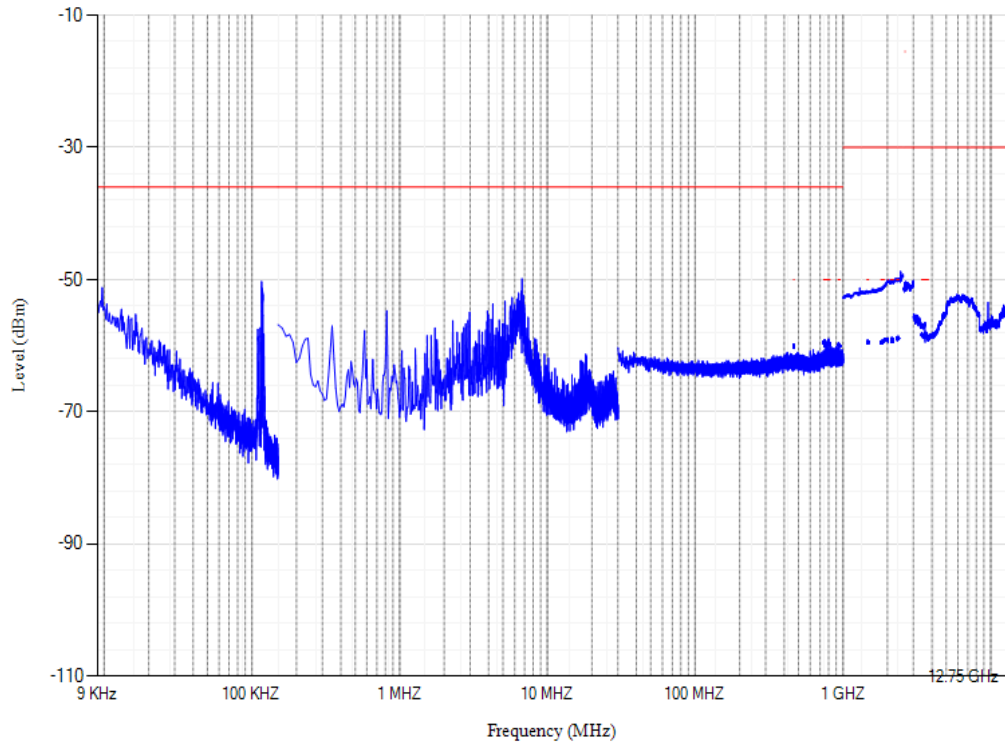
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0

### Conducted spurious emissions

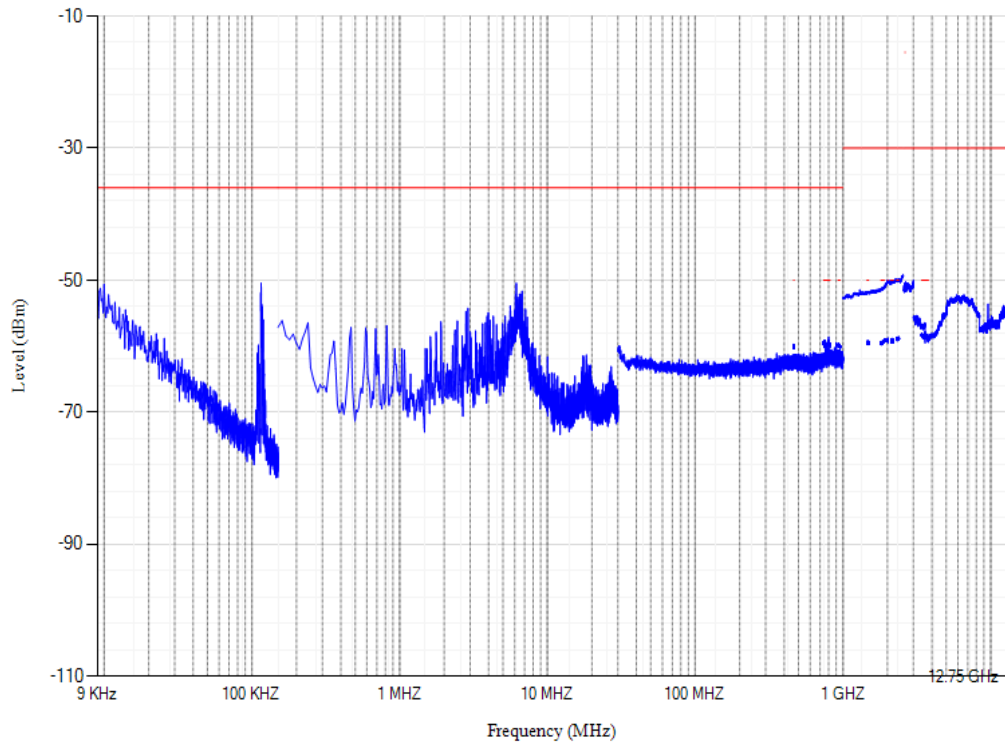


Band38 16QAM BW=5MHz Channel=37775 RB Size=1 Position=#0



**Conducted spurious emissions**


Band38 16QAM BW=5MHz Channel=37775 RB Size=1 Position=#Max

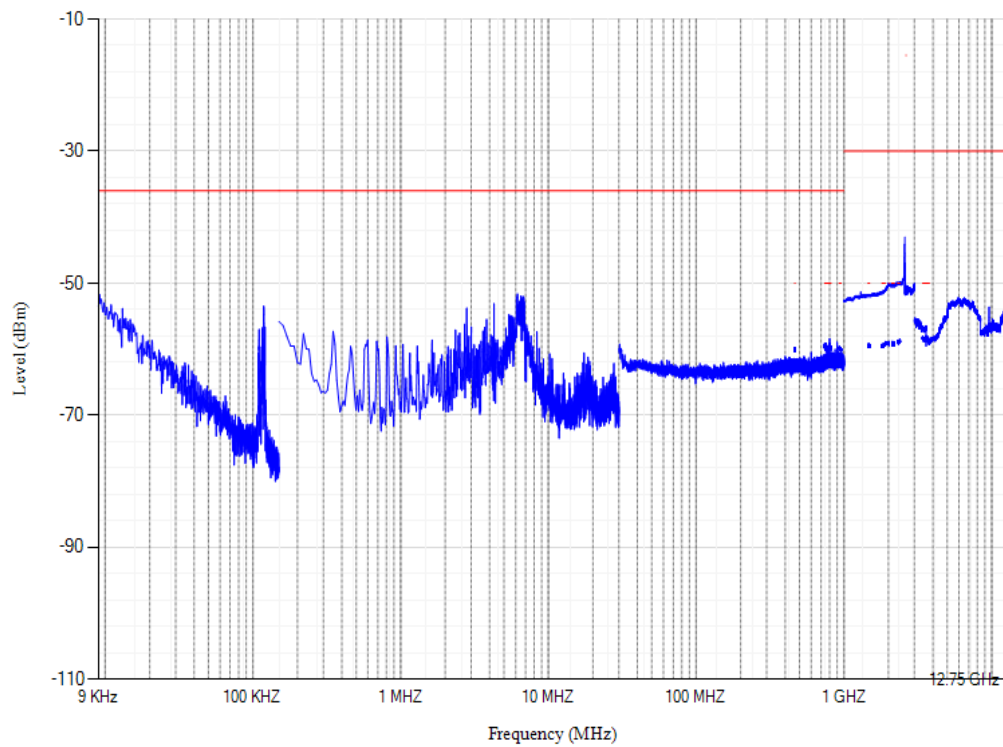
**Conducted spurious emissions**




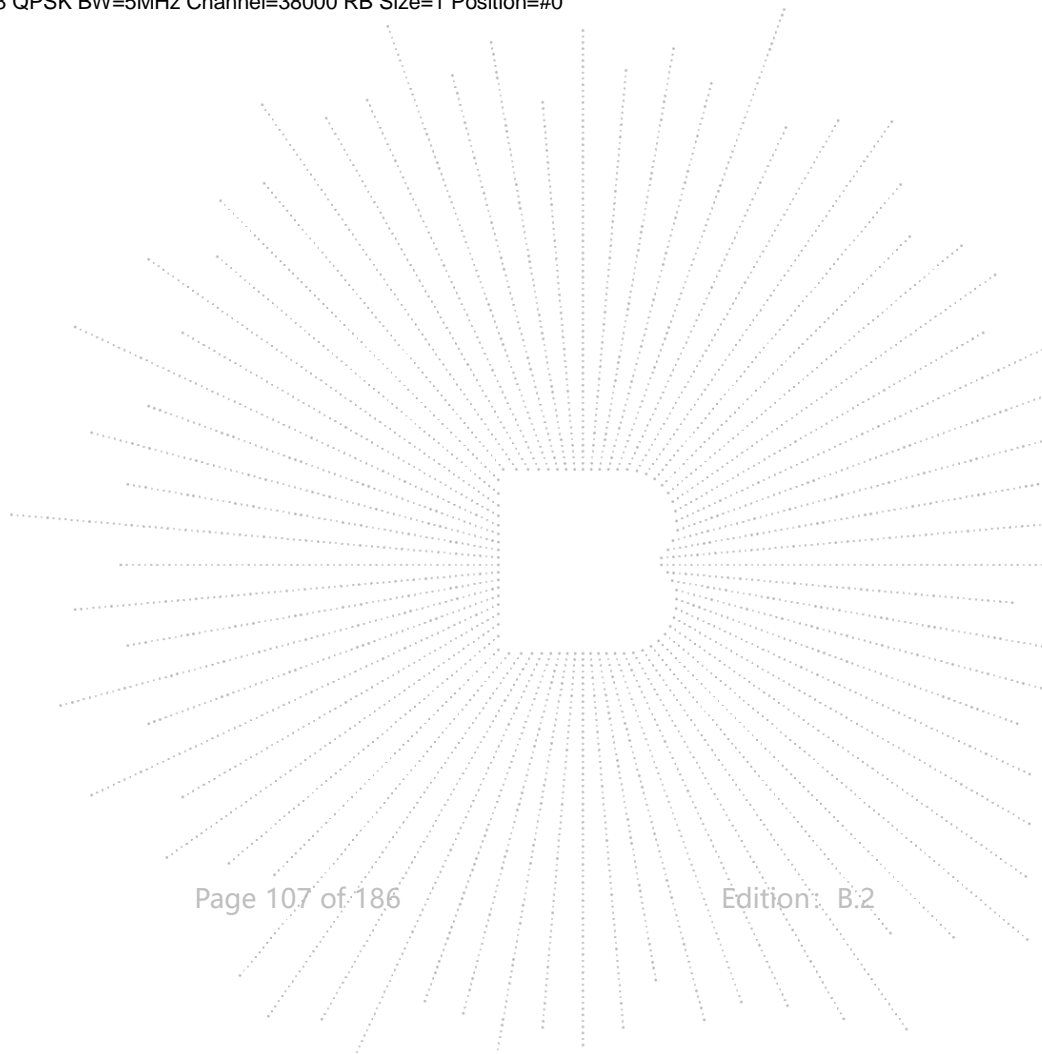


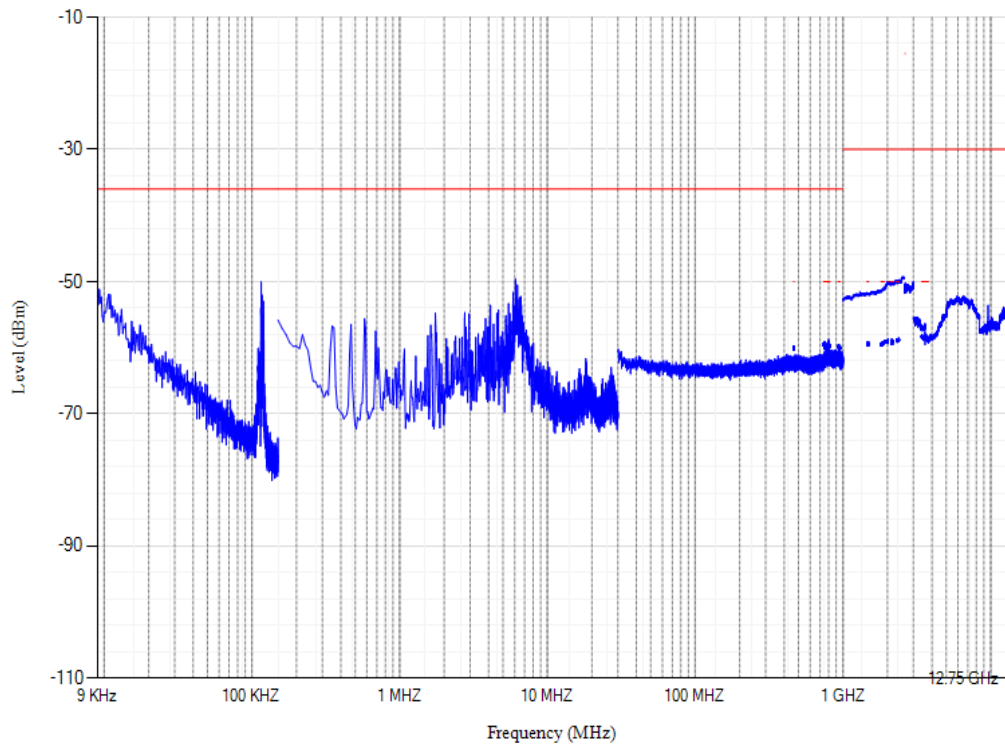
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0

Conducted spurious emissions

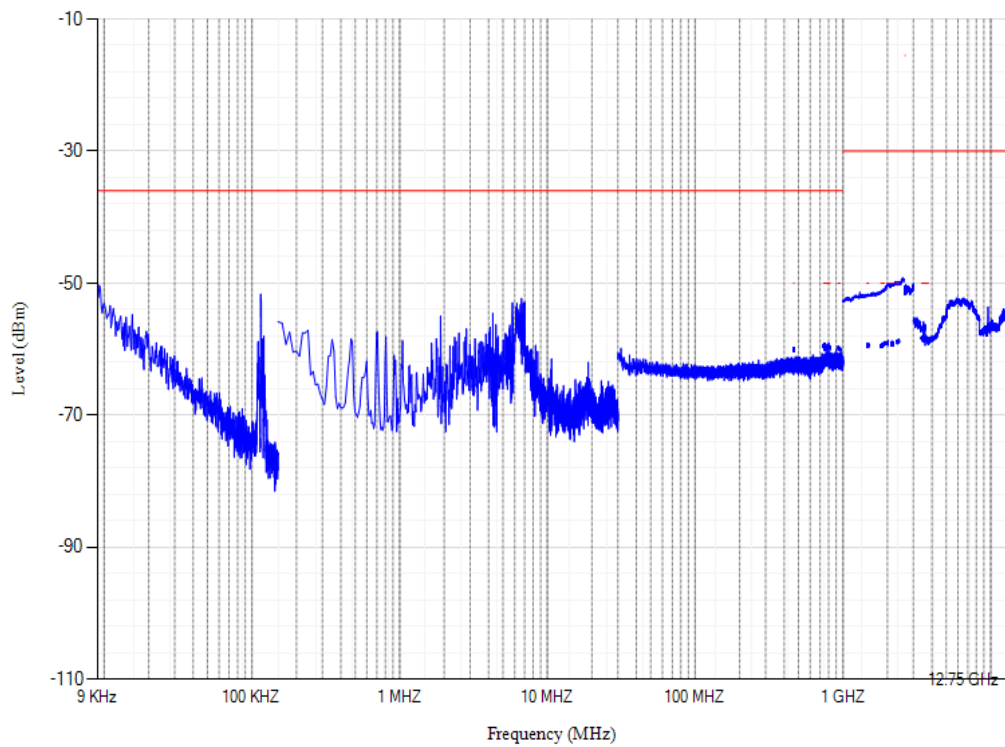


Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0



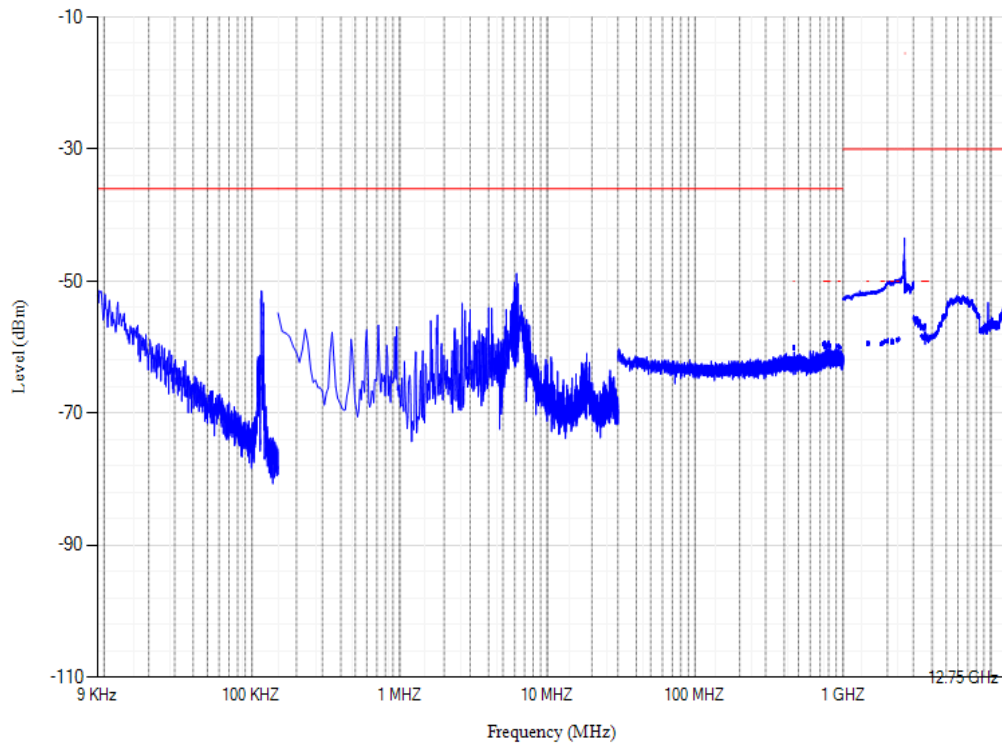
**Conducted spurious emissions**


Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#Max

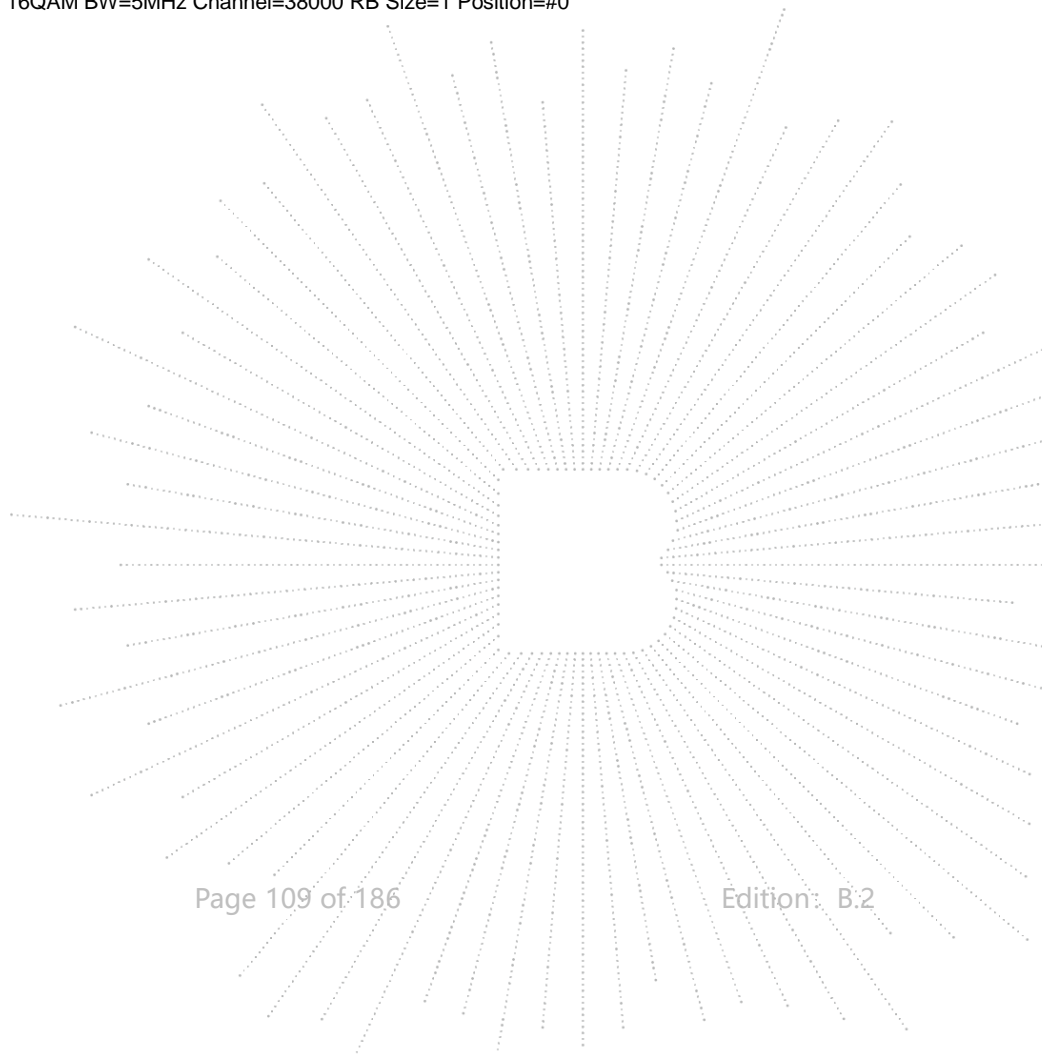
**Conducted spurious emissions**


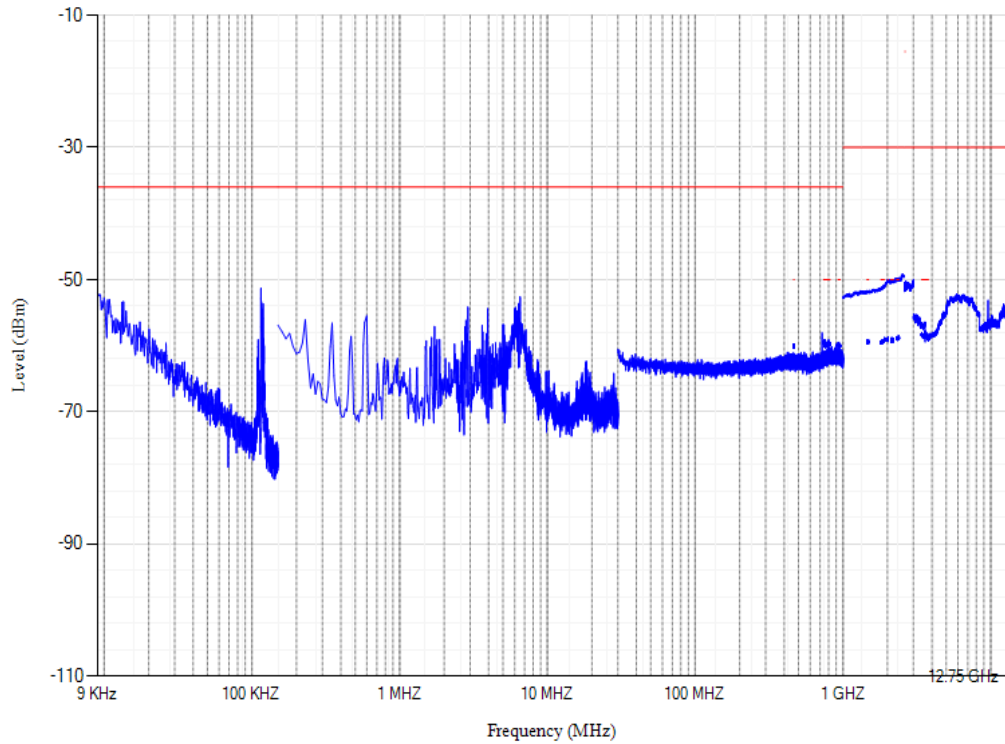
Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0

### Conducted spurious emissions

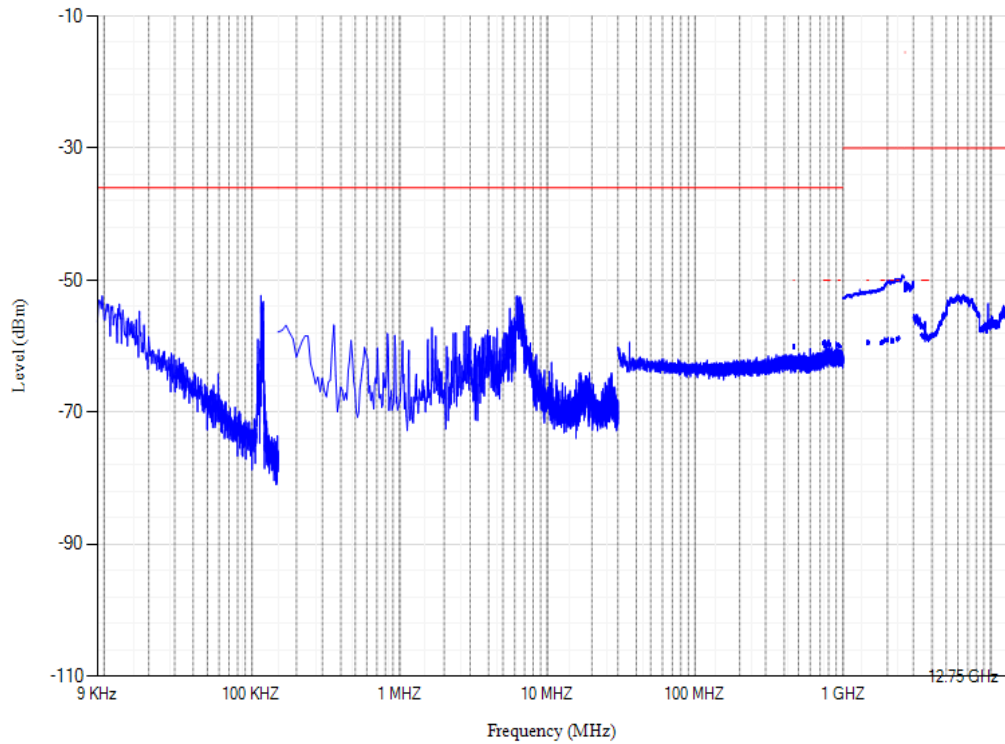


Band38 16QAM BW=5MHz Channel=38000 RB Size=1 Position=#0



**Conducted spurious emissions**


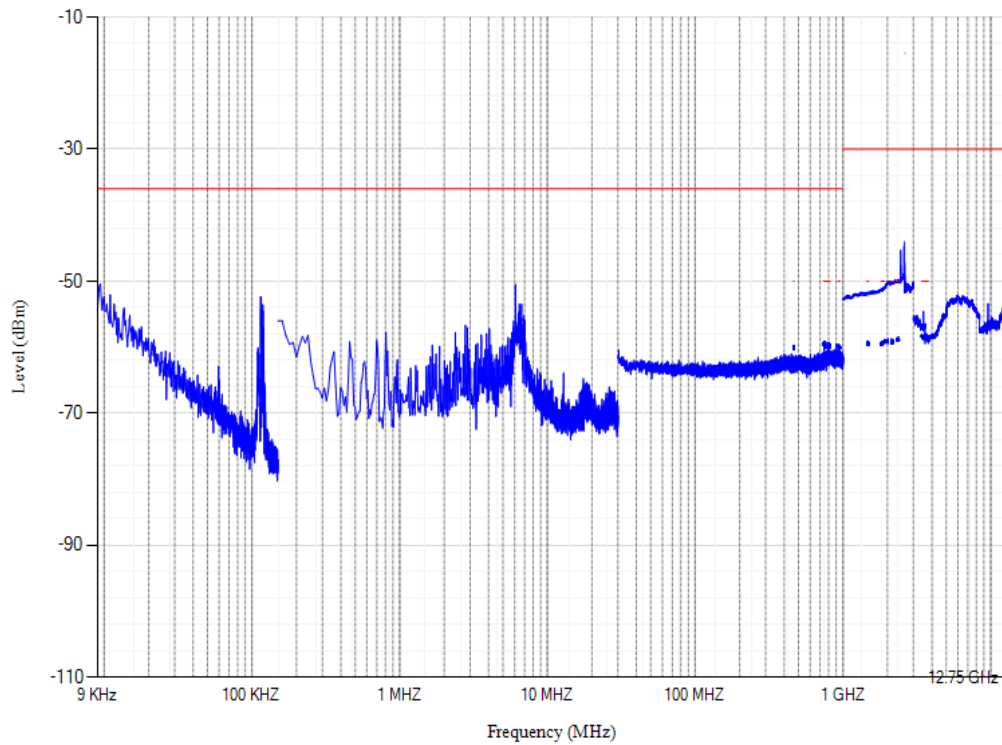
Band38 16QAM BW=5MHz Channel=38000 RB Size=1 Position=#Max

**Conducted spurious emissions**


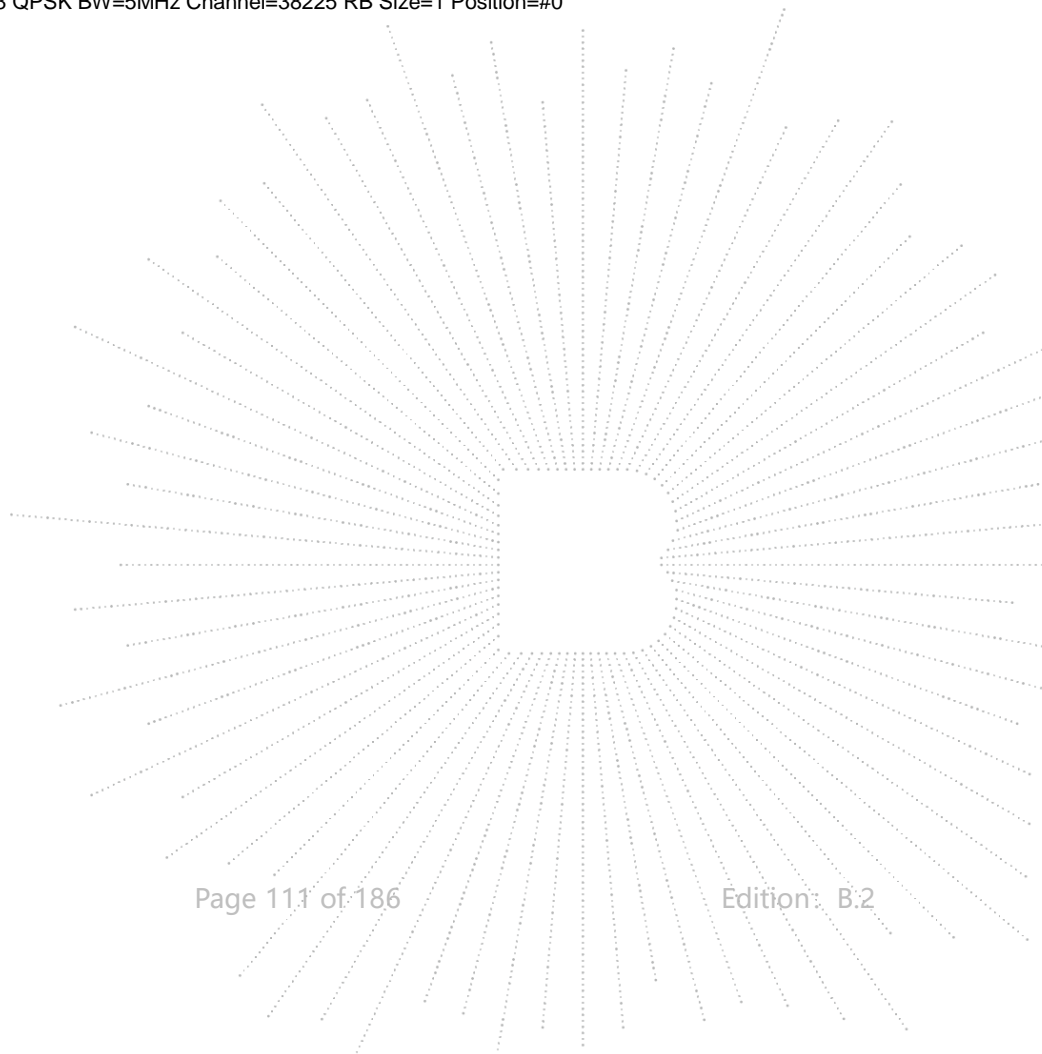


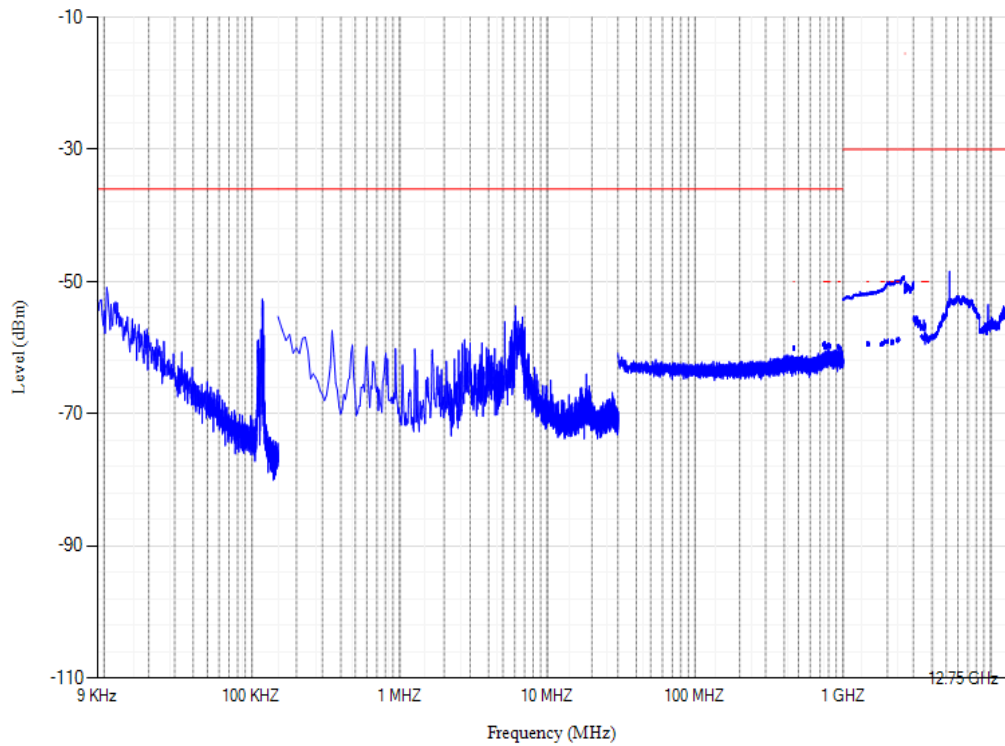
Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0

Conducted spurious emissions

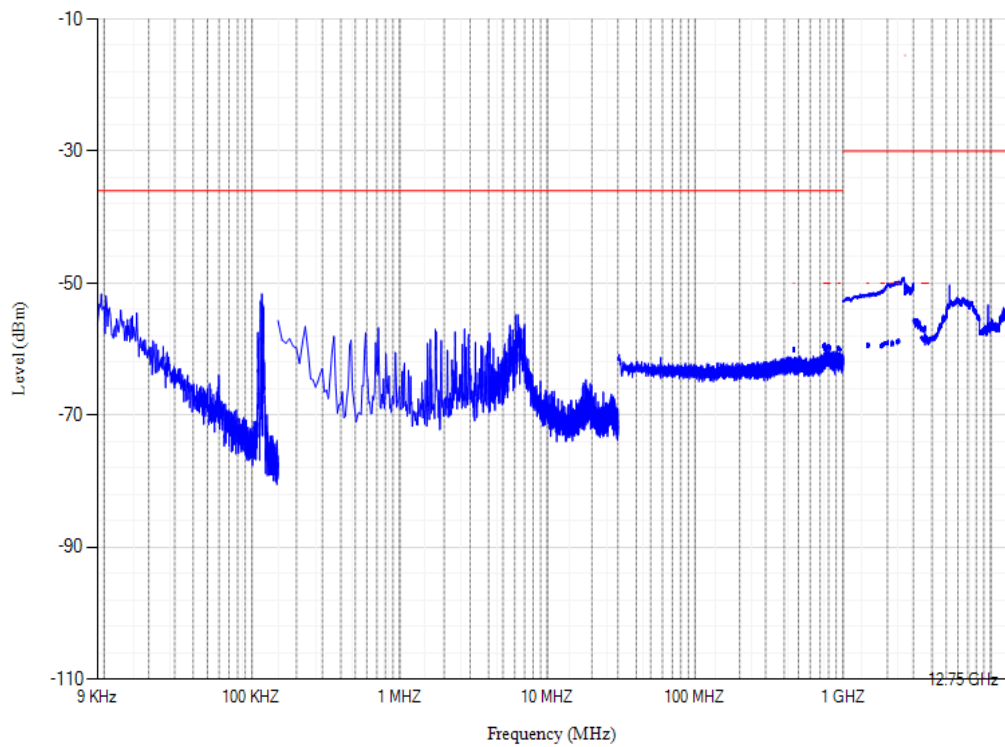


Band38 QPSK BW=5MHz Channel=38225 RB Size=1 Position=#0



**Conducted spurious emissions**


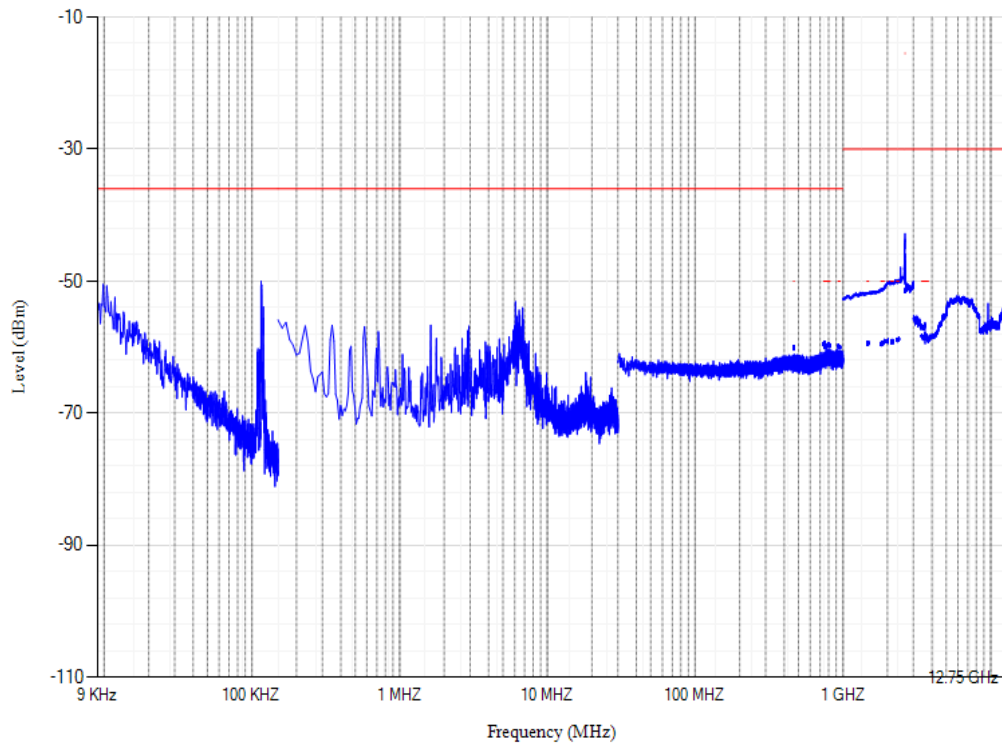
Band38 QPSK BW=5MHz Channel=38225 RB Size=1 Position=#Max

**Conducted spurious emissions**


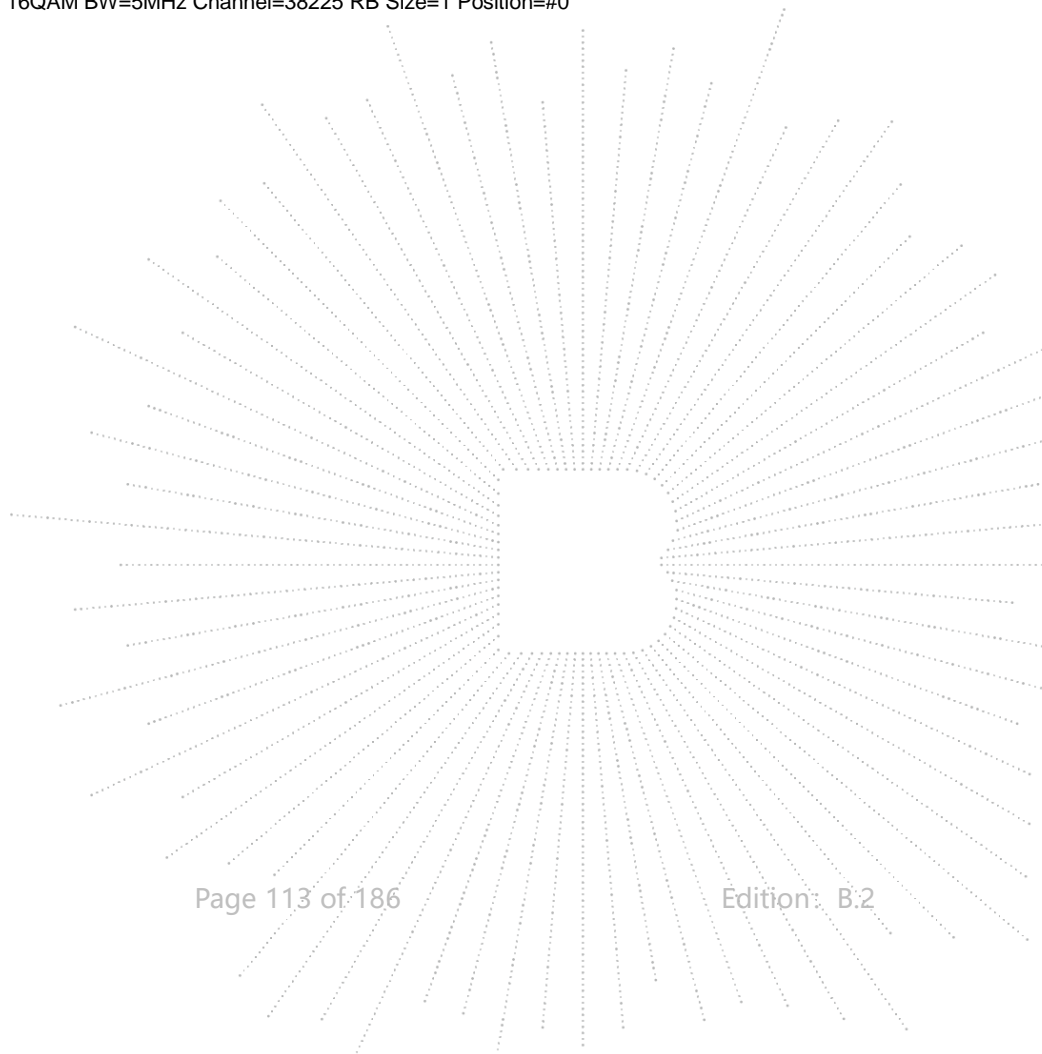


Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0

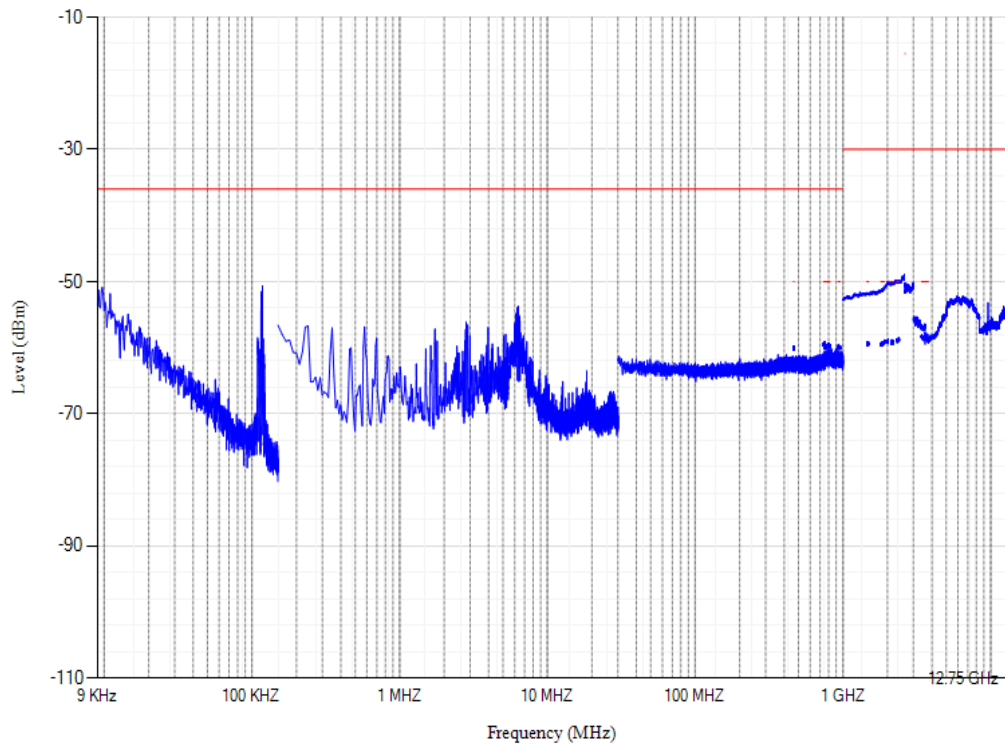
### Conducted spurious emissions



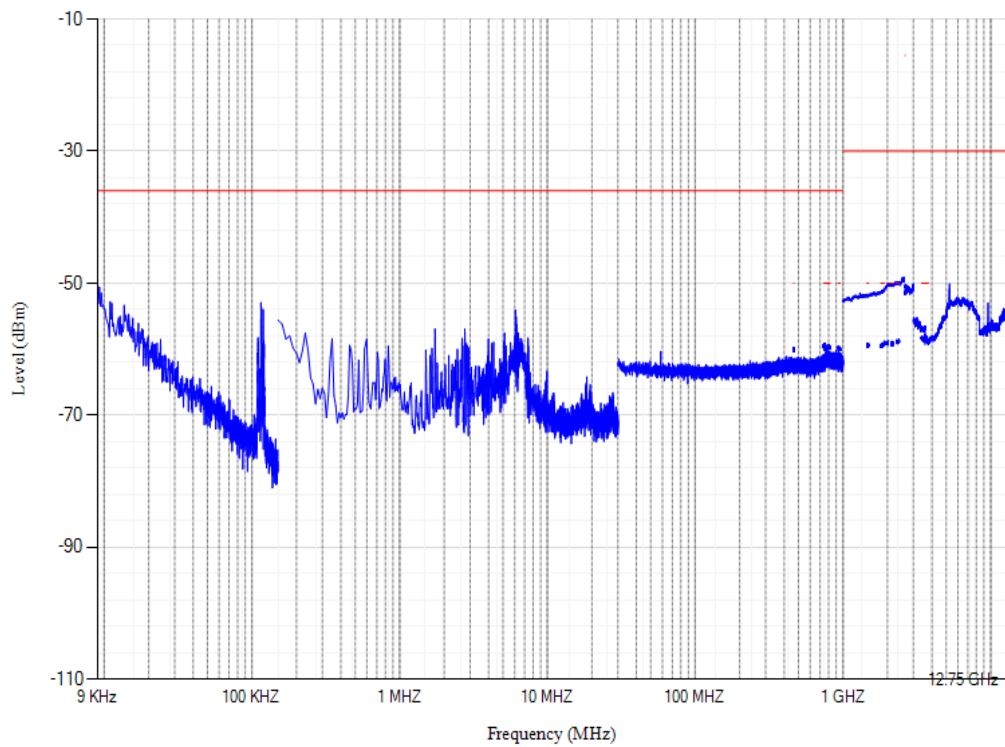
Band38 16QAM BW=5MHz Channel=38225 RB Size=1 Position=#0





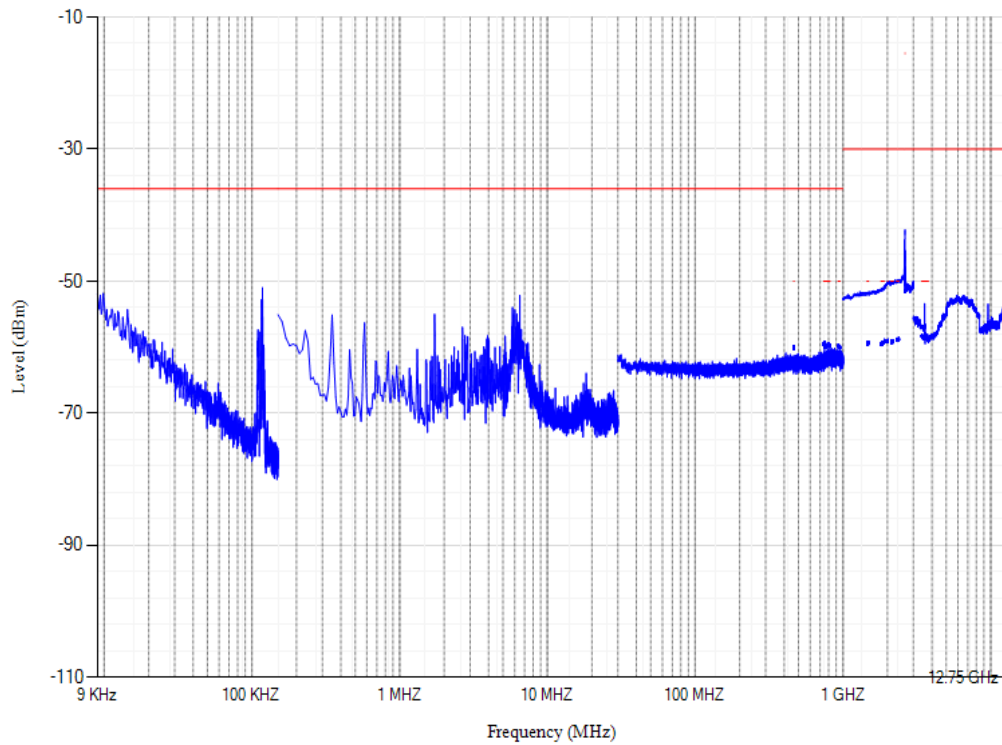
**Conducted spurious emissions**


Band38 16QAM BW=5MHz Channel=38225 RB Size=1 Position=#Max

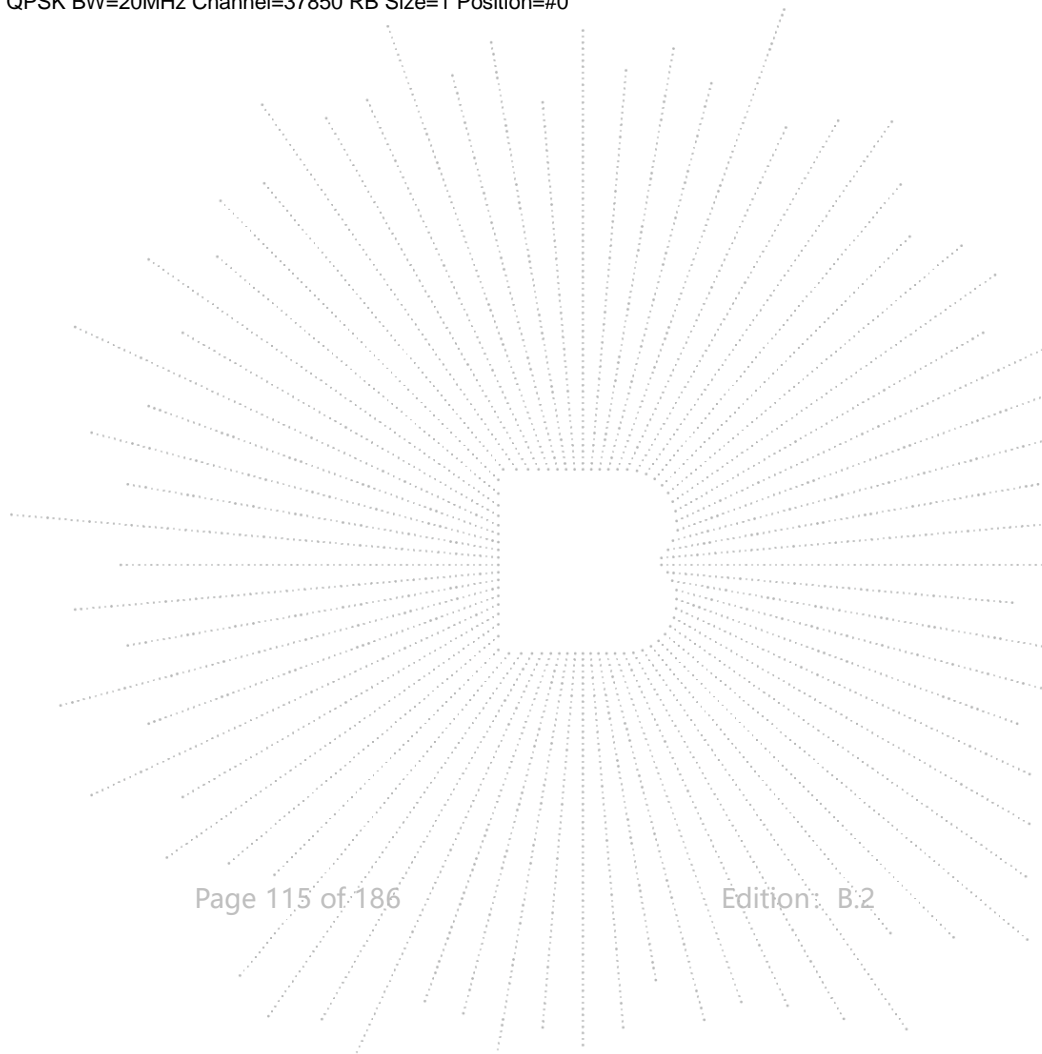
**Conducted spurious emissions**


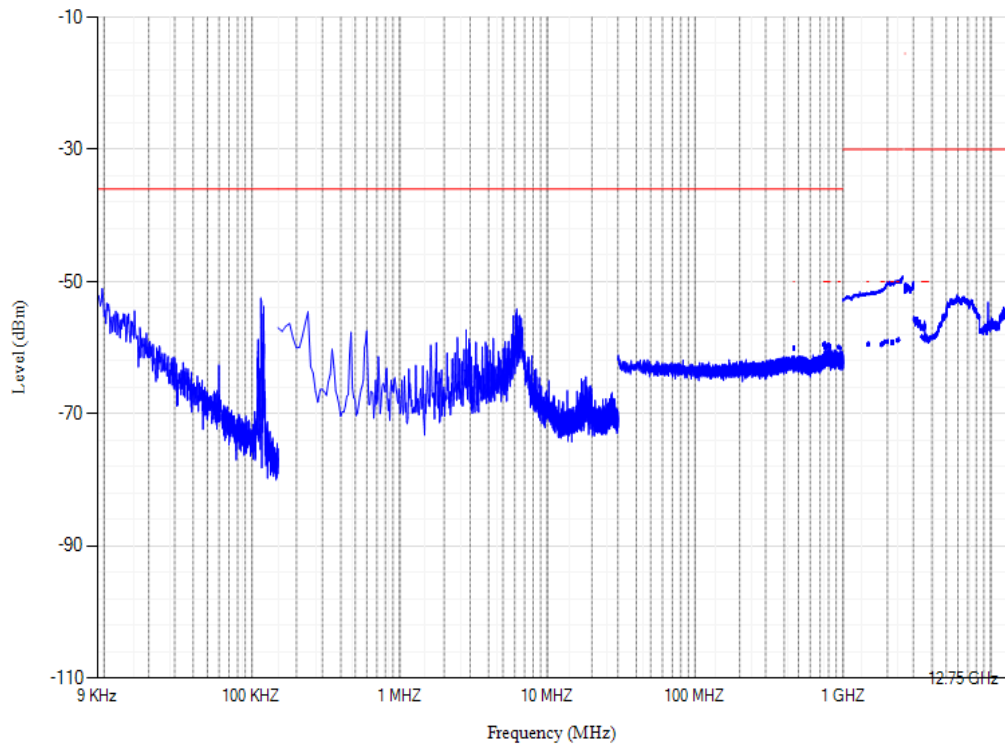
Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0

### Conducted spurious emissions

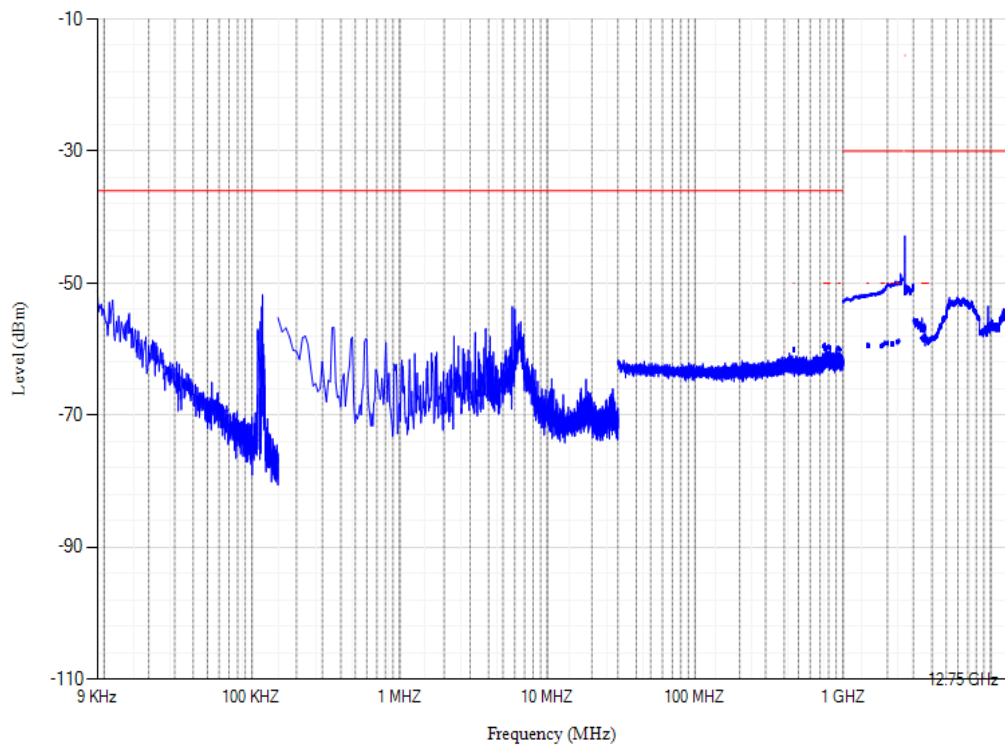


Band38 QPSK BW=20MHz Channel=37850 RB Size=1 Position=#0



**Conducted spurious emissions**


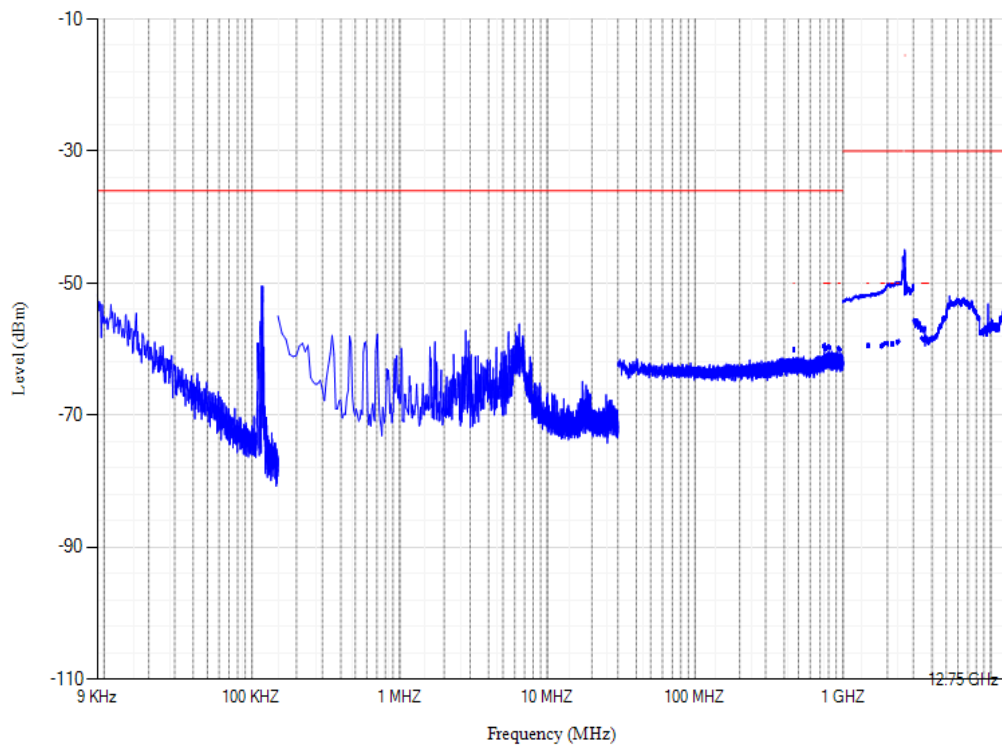
Band38 QPSK BW=20MHz Channel=37850 RB Size=1 Position=#Max

**Conducted spurious emissions**


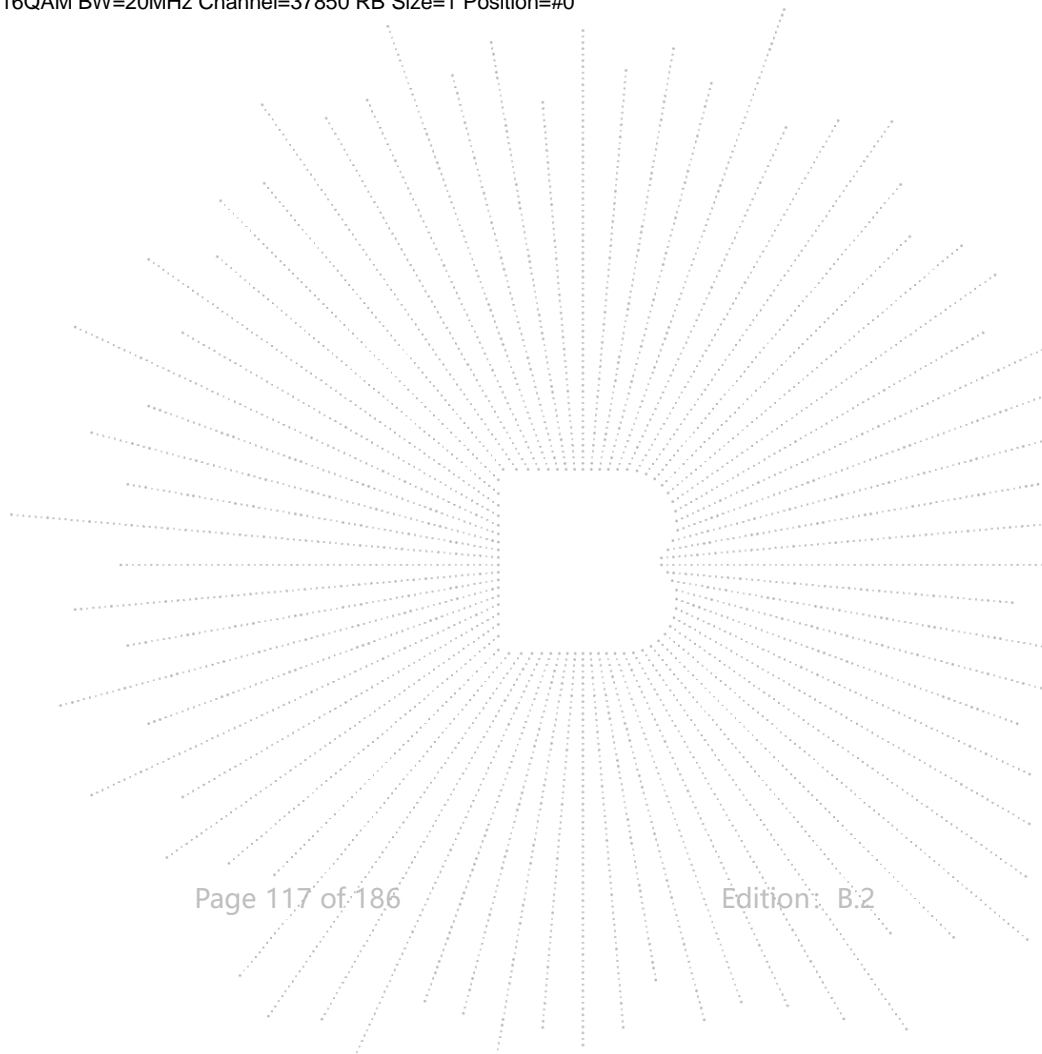


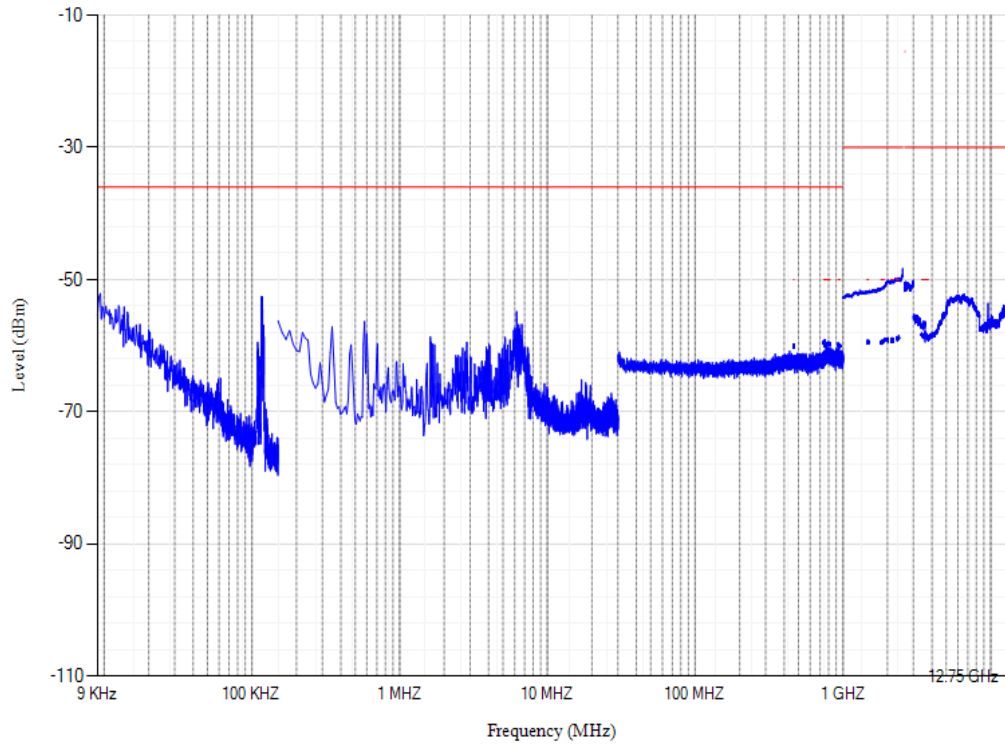
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0

Conducted spurious emissions

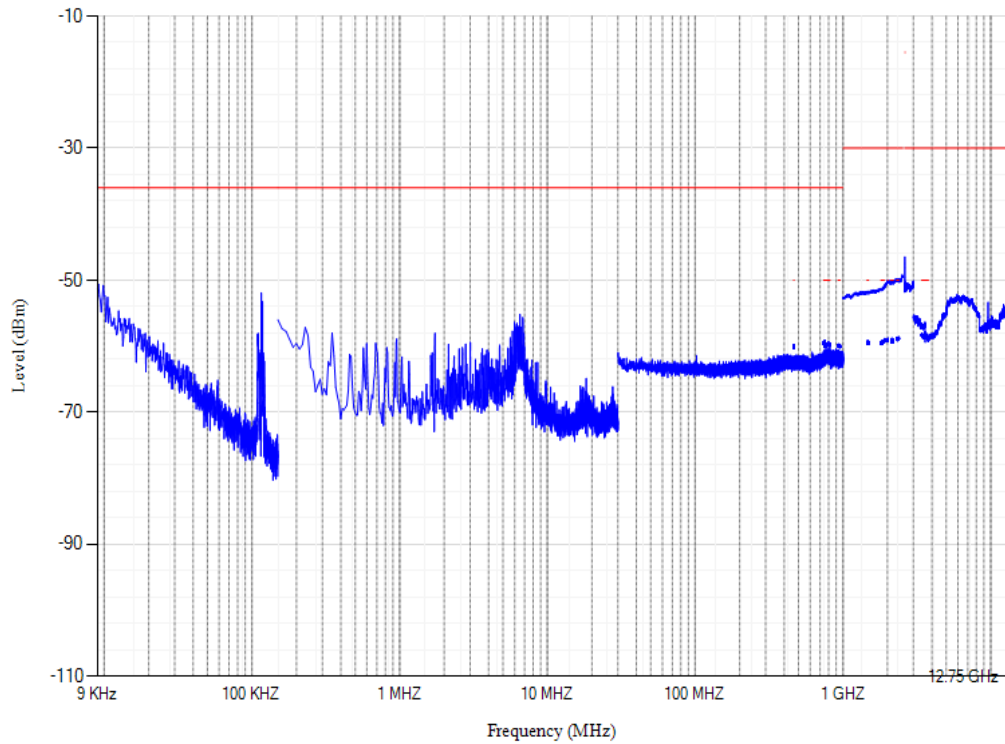


Band38 16QAM BW=20MHz Channel=37850 RB Size=1 Position=#0



**Conducted spurious emissions**


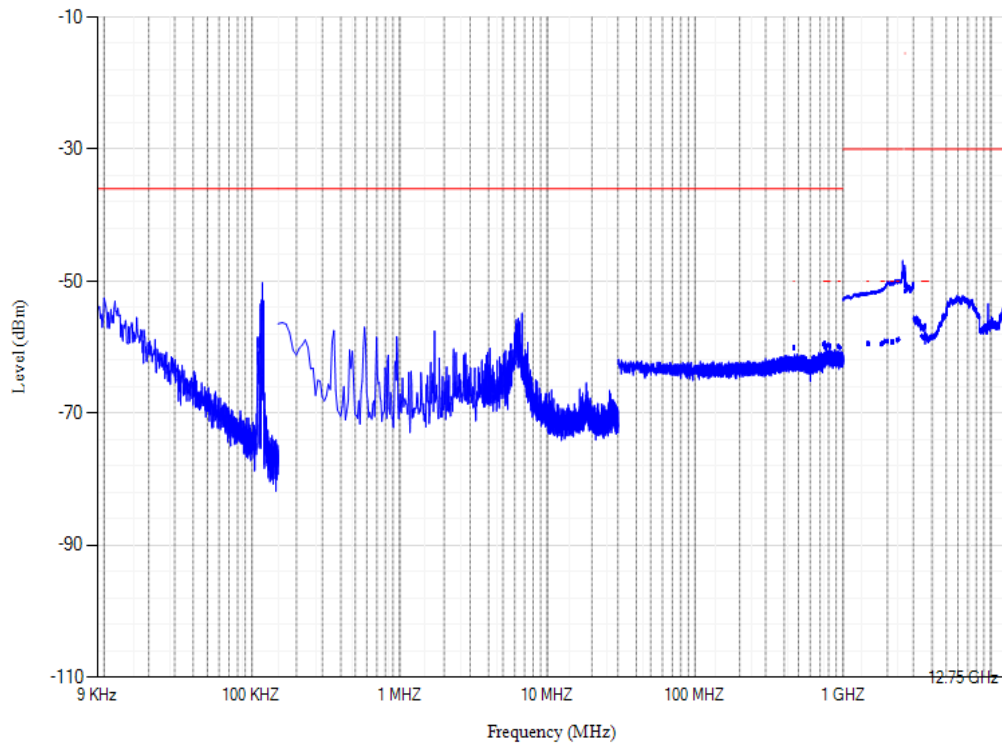
Band38 16QAM BW=20MHz Channel=37850 RB Size=1 Position=#Max

**Conducted spurious emissions**


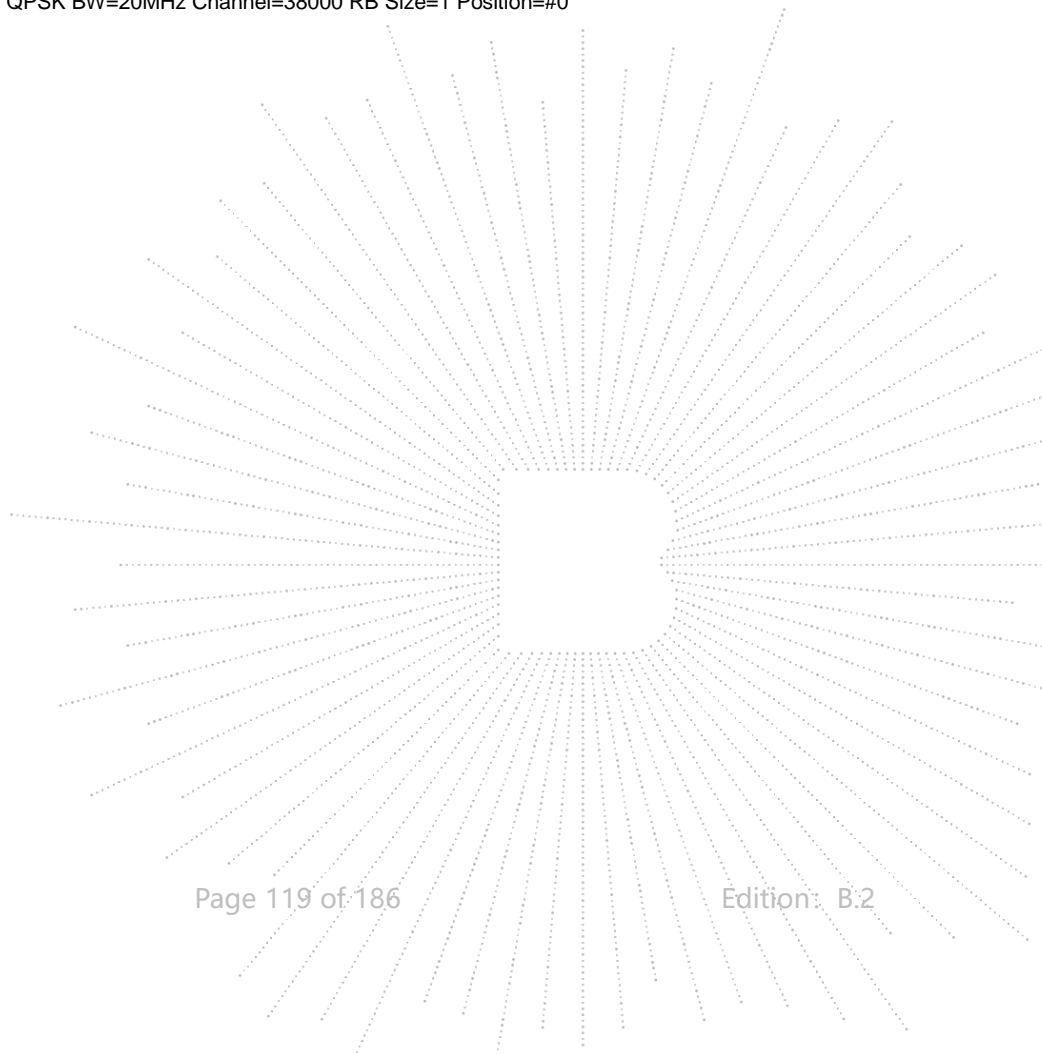


Band38 16QAM BW=20MHz Channel=37850 RB Size=100 Position=#0

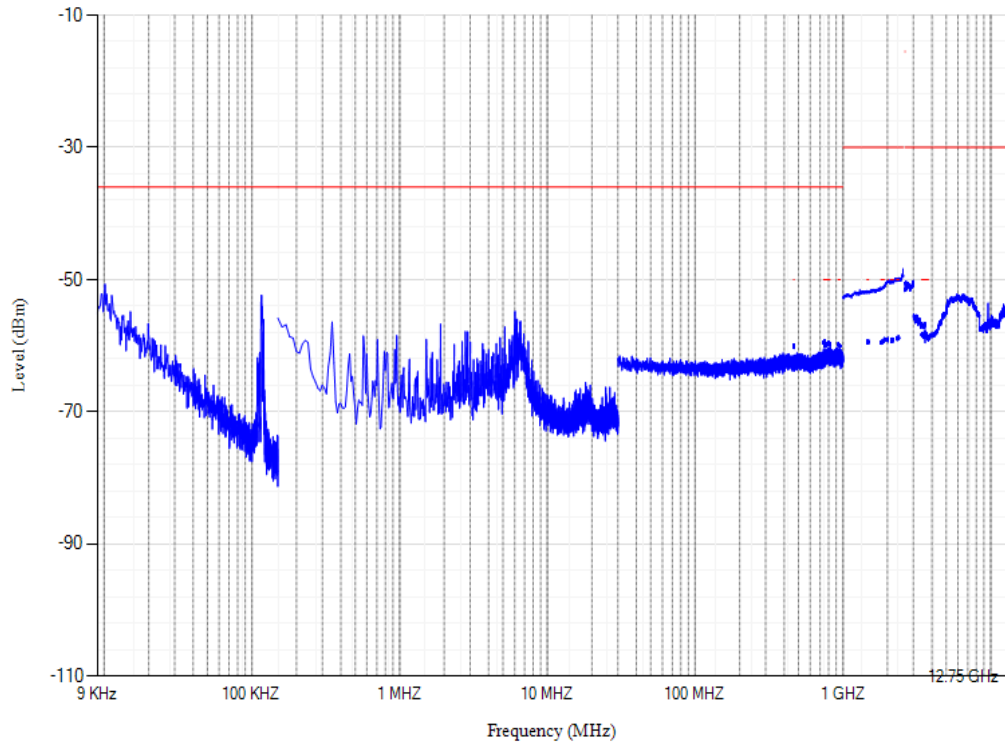
Conducted spurious emissions



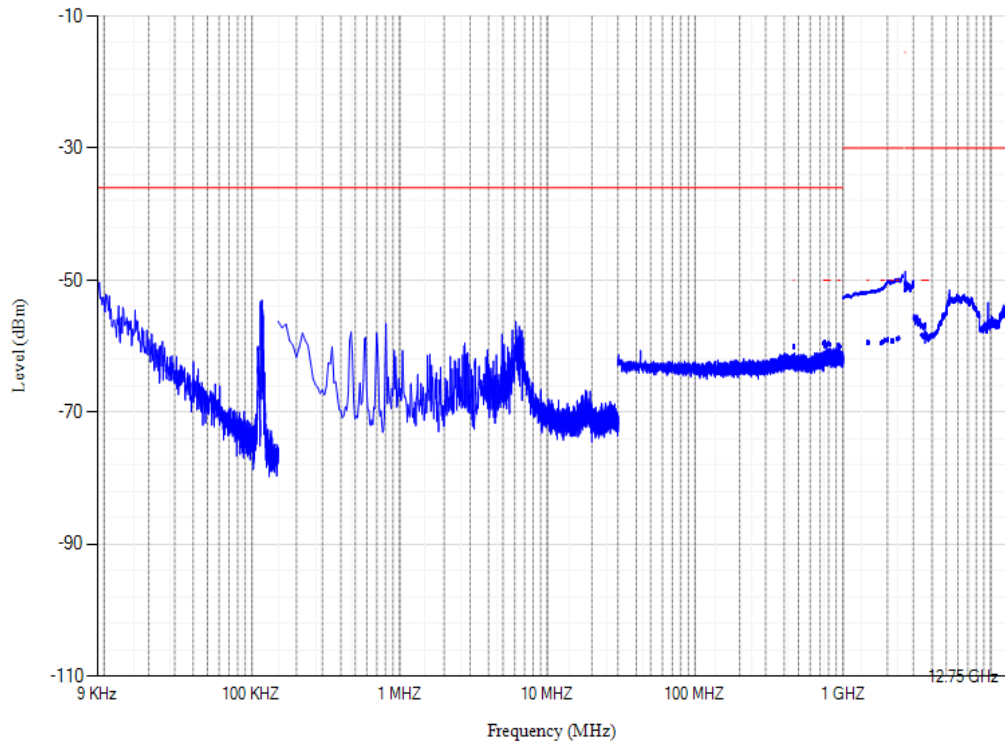
Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0





**Conducted spurious emissions**


Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#Max

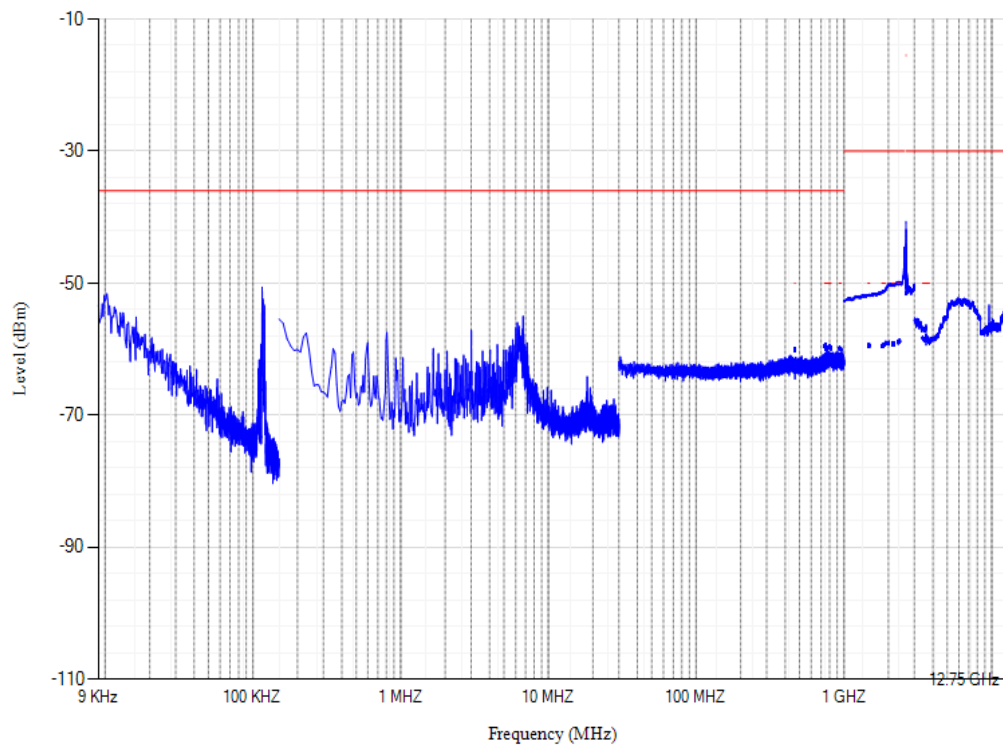
**Conducted spurious emissions**




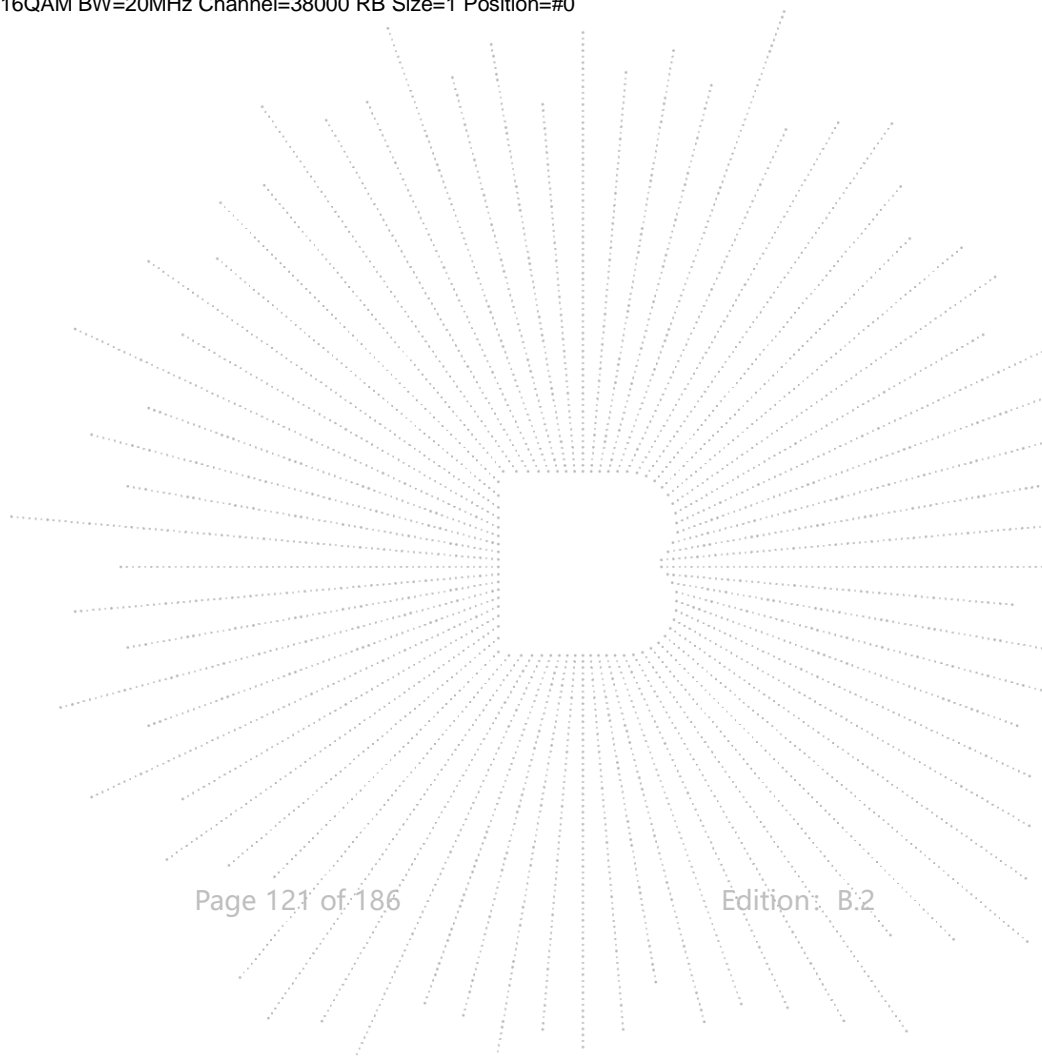


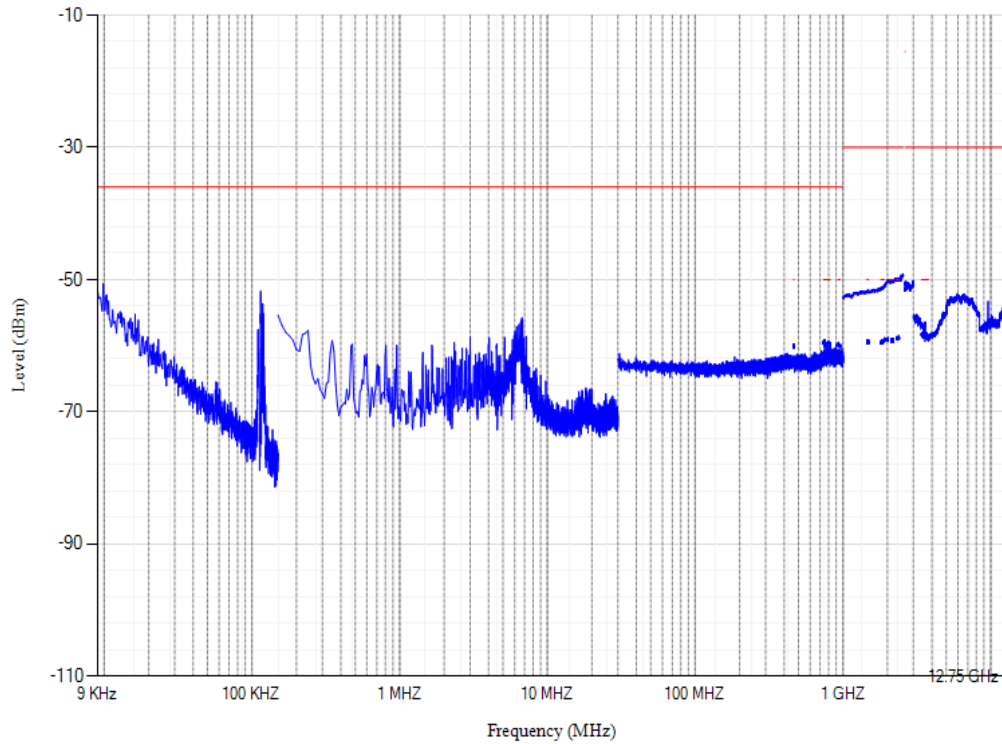
Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0

## Conducted spurious emissions

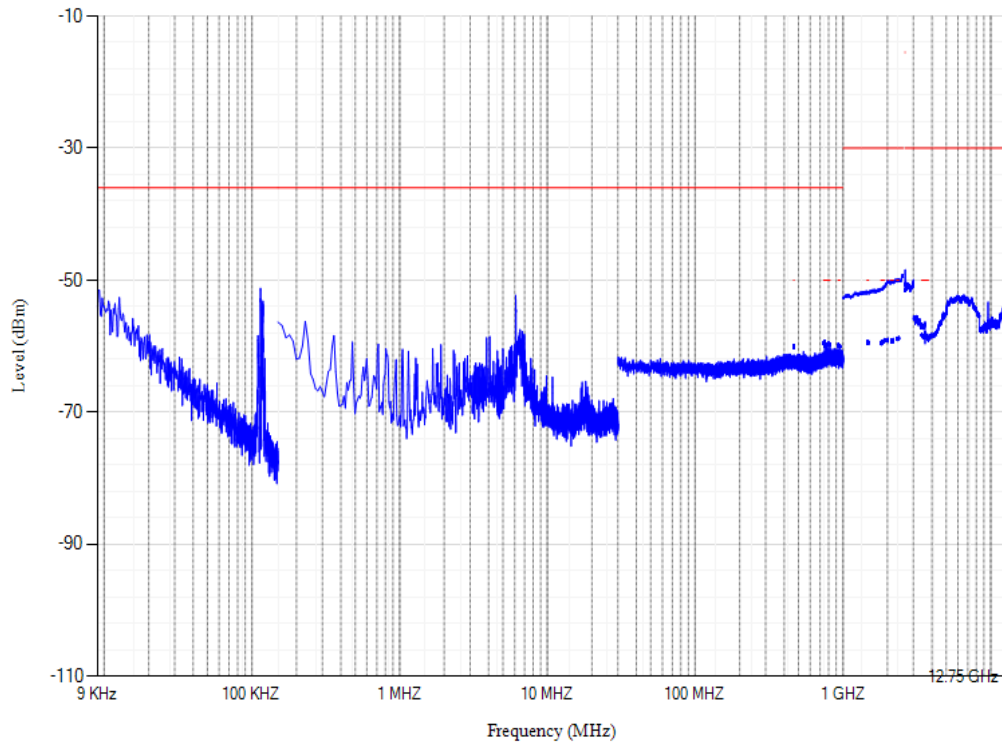


Band38 16QAM BW=20MHz Channel=38000 RB Size=1 Position=#0



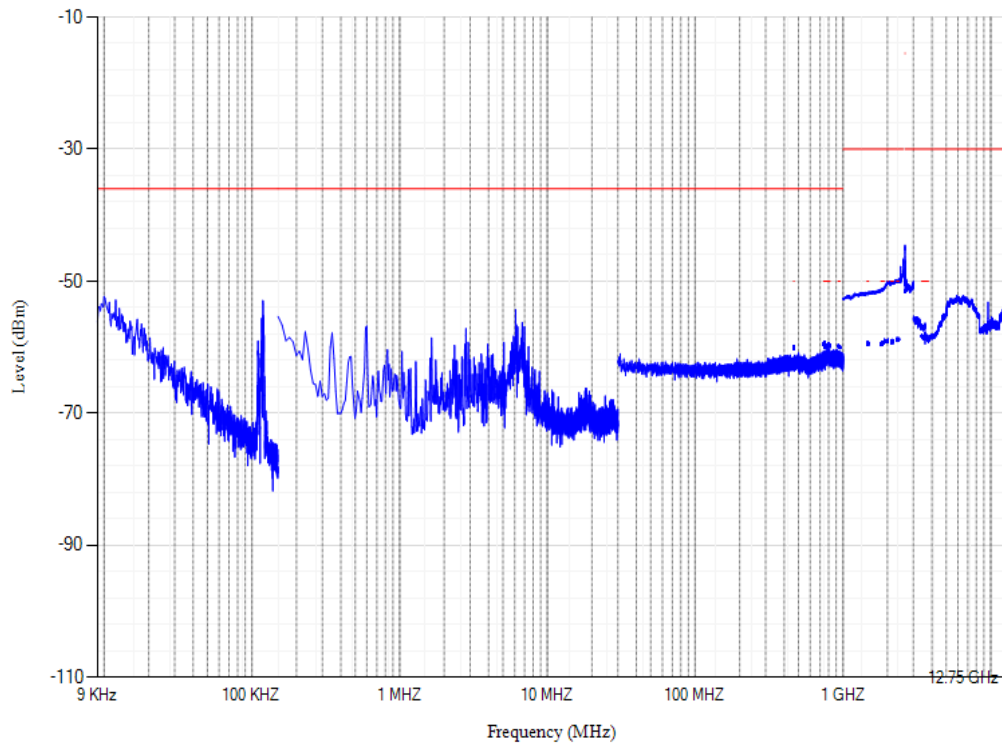
**Conducted spurious emissions**


Band38 16QAM BW=20MHz Channel=38000 RB Size=1 Position=#Max

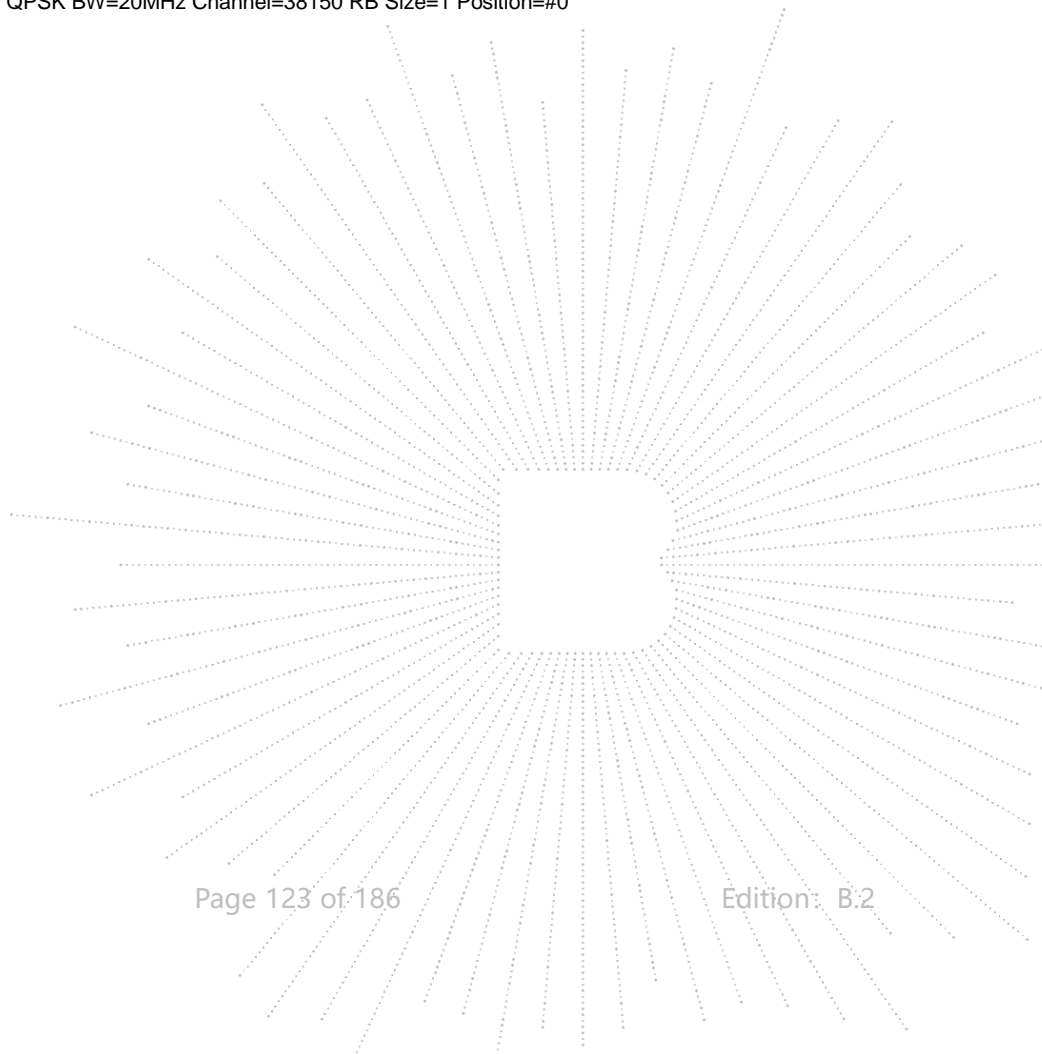
**Conducted spurious emissions**


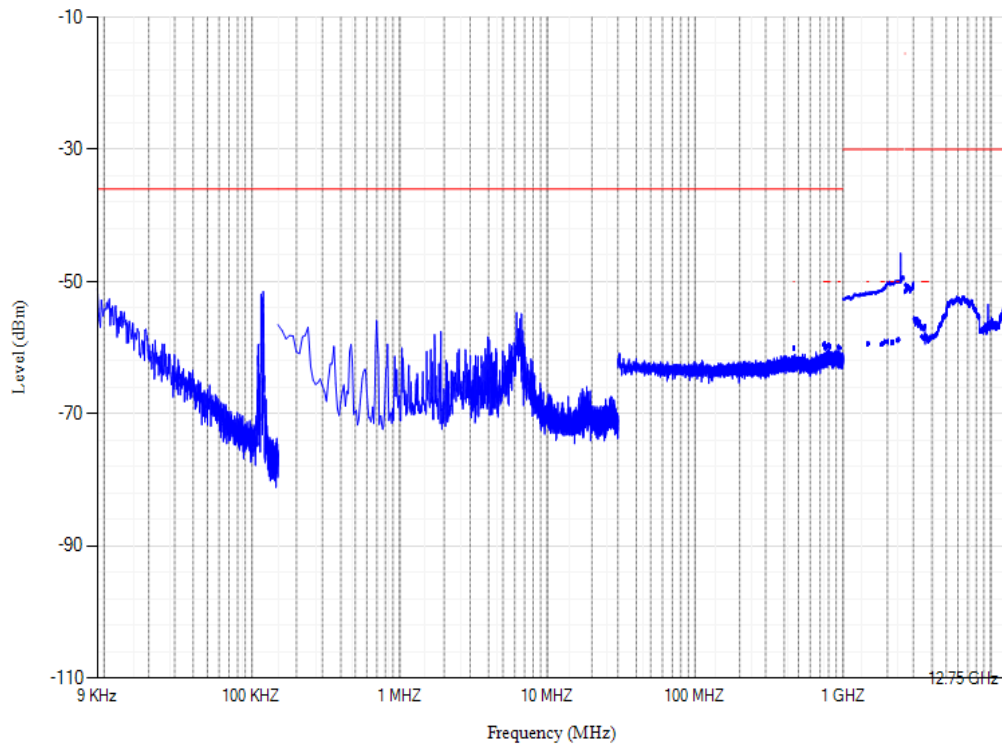
Band38 16QAM BW=20MHz Channel=38000 RB Size=100 Position=#0

### Conducted spurious emissions

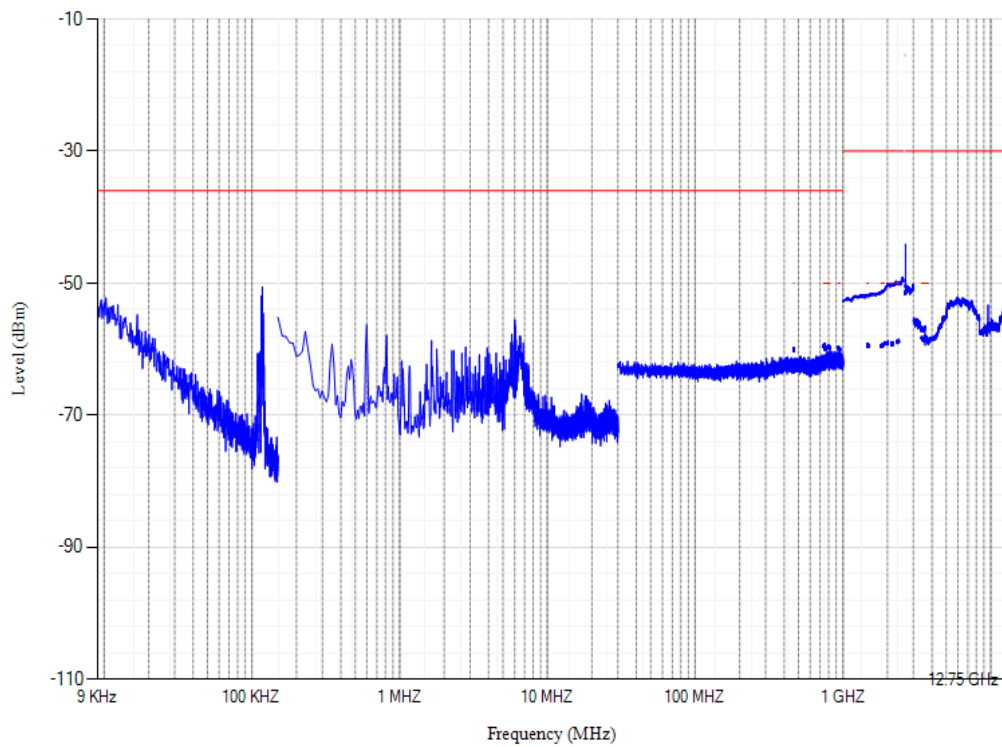


Band38 QPSK BW=20MHz Channel=38150 RB Size=1 Position=#0



**Conducted spurious emissions**


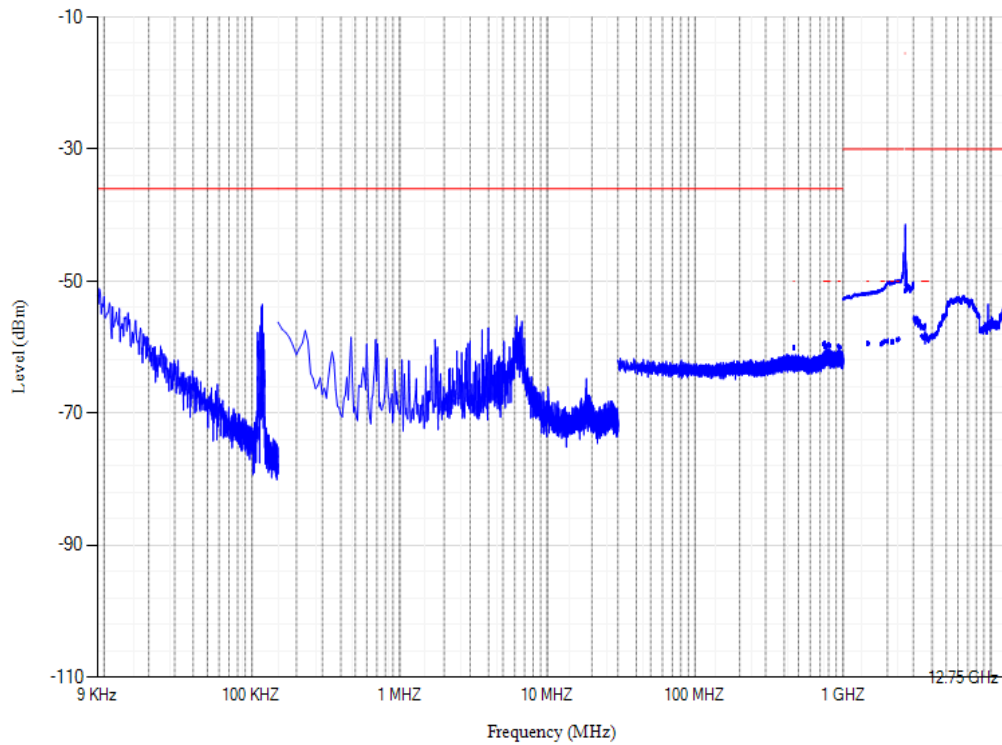
Band38 QPSK BW=20MHz Channel=38150 RB Size=1 Position=#Max

**Conducted spurious emissions**


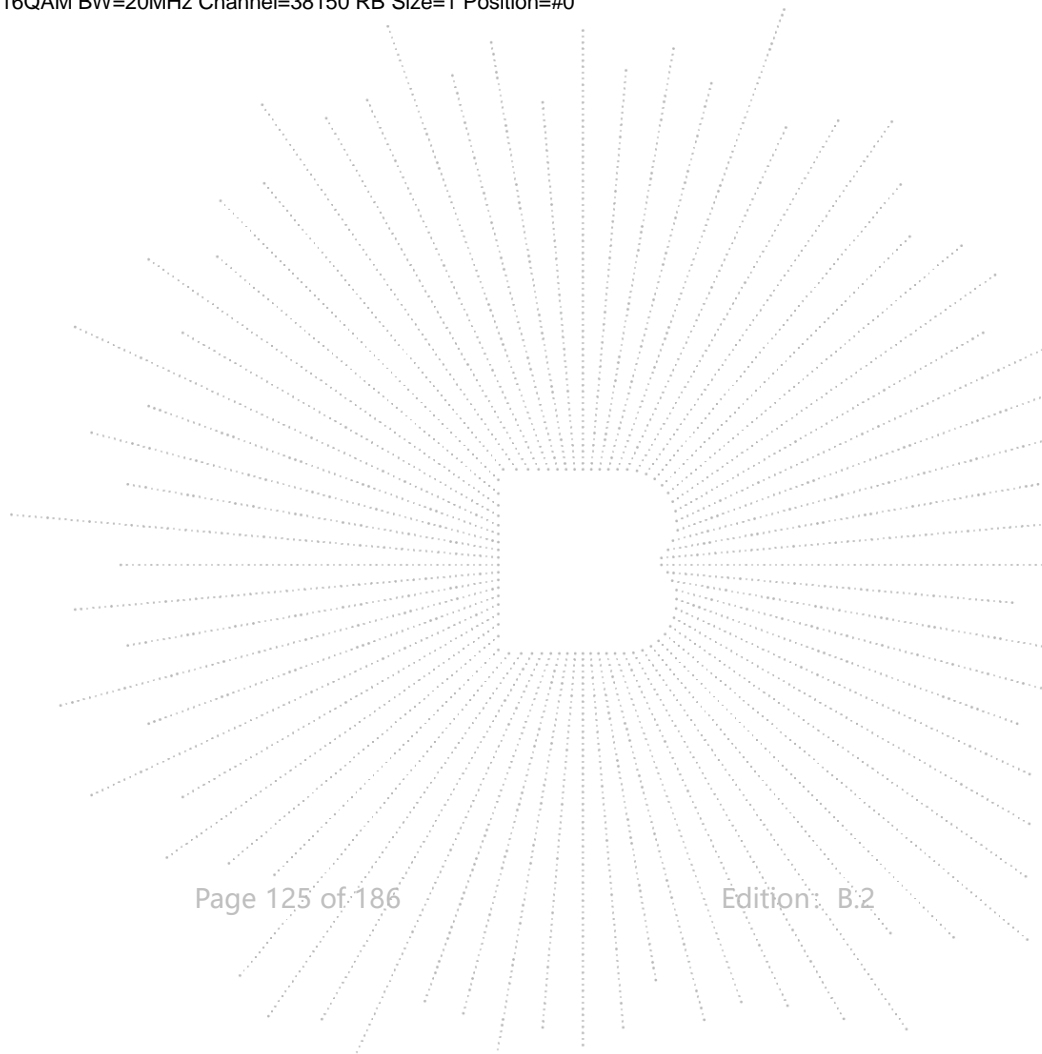


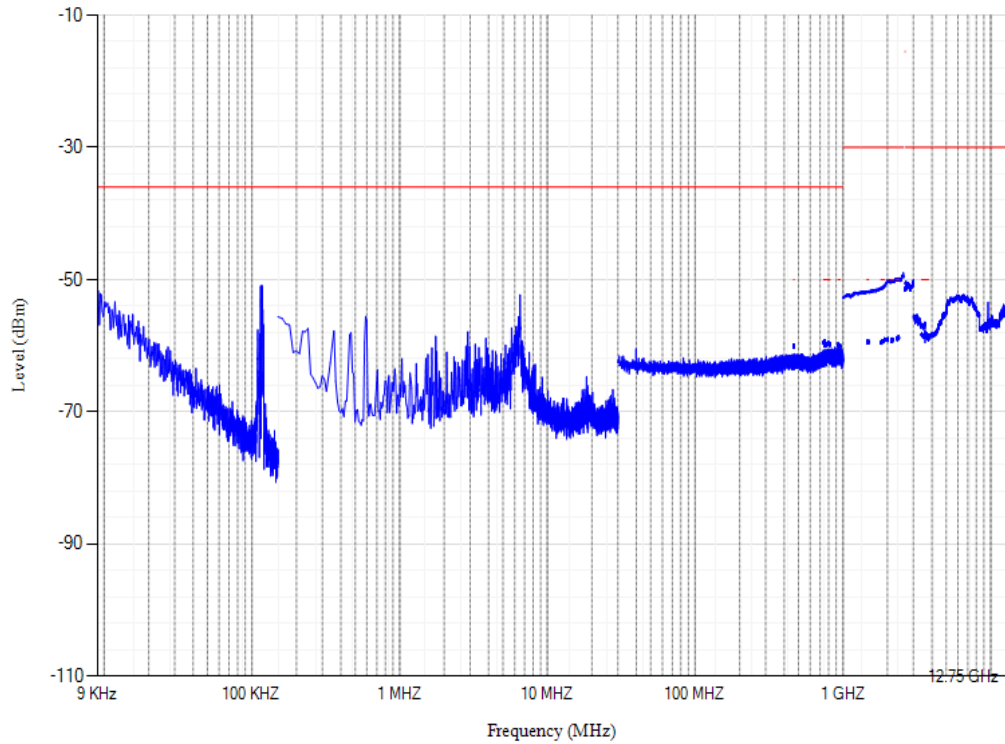
Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0

Conducted spurious emissions

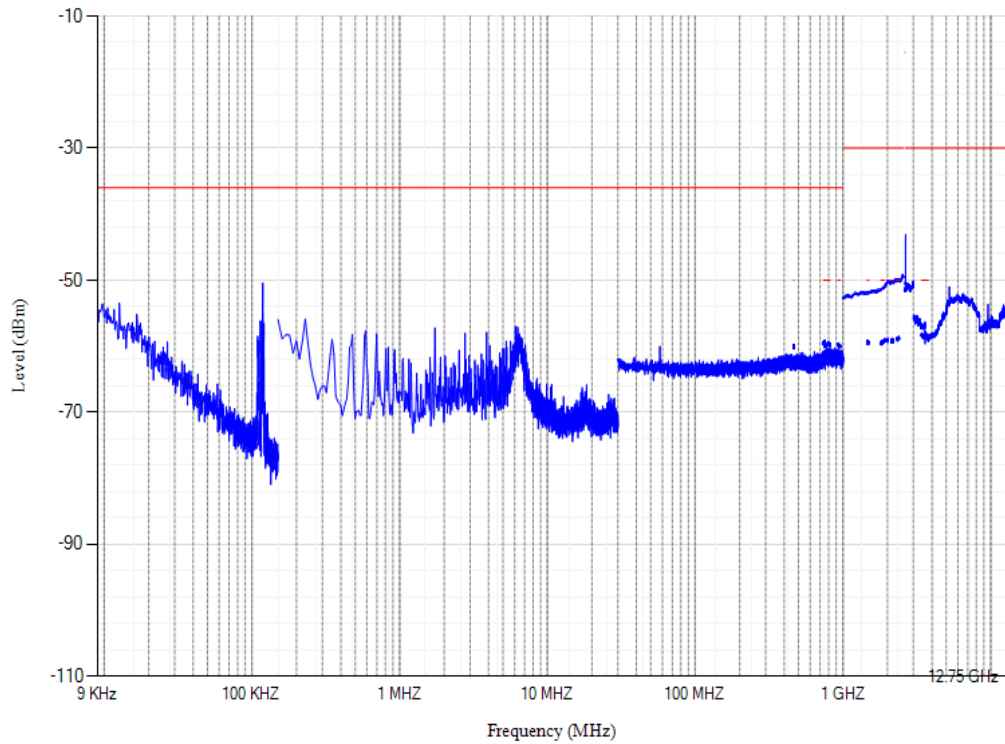


Band38 16QAM BW=20MHz Channel=38150 RB Size=1 Position=#0



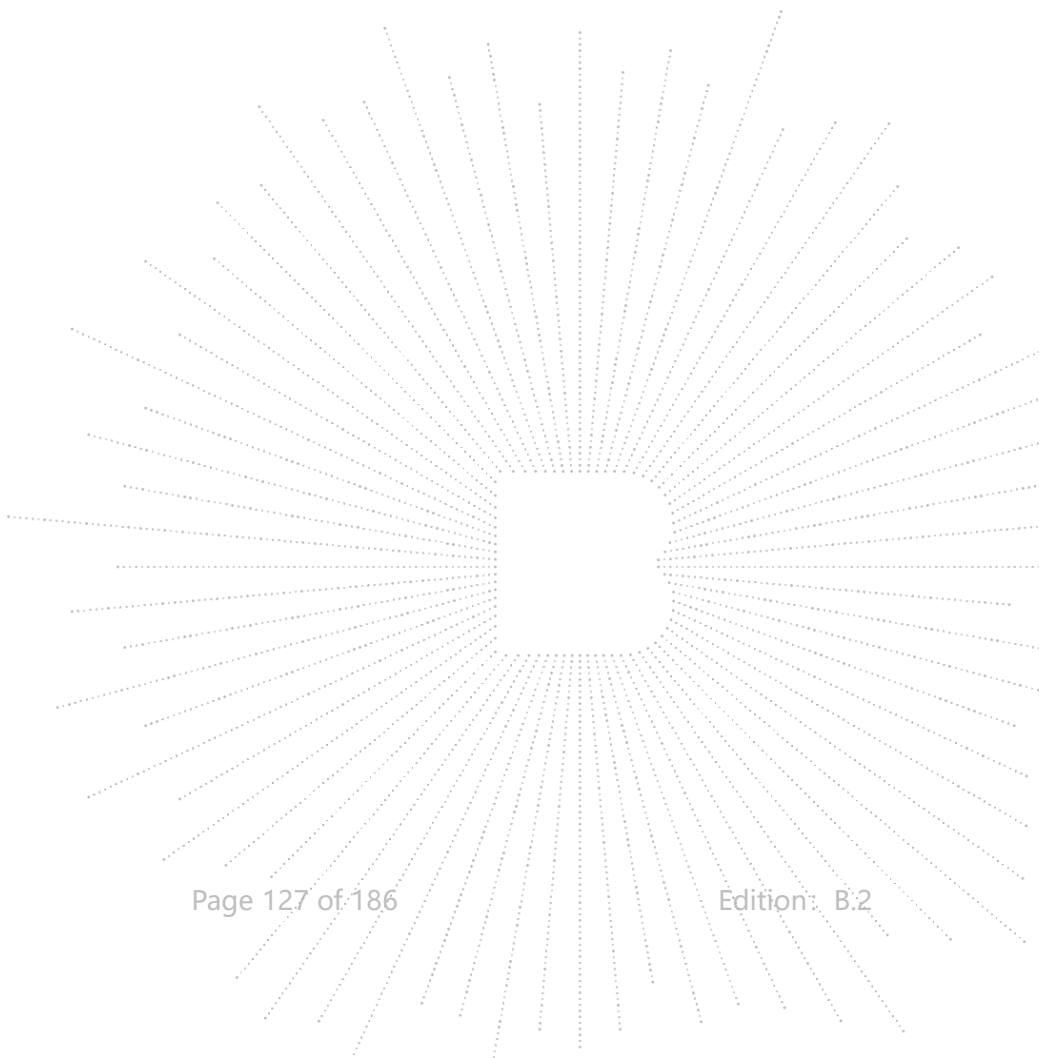
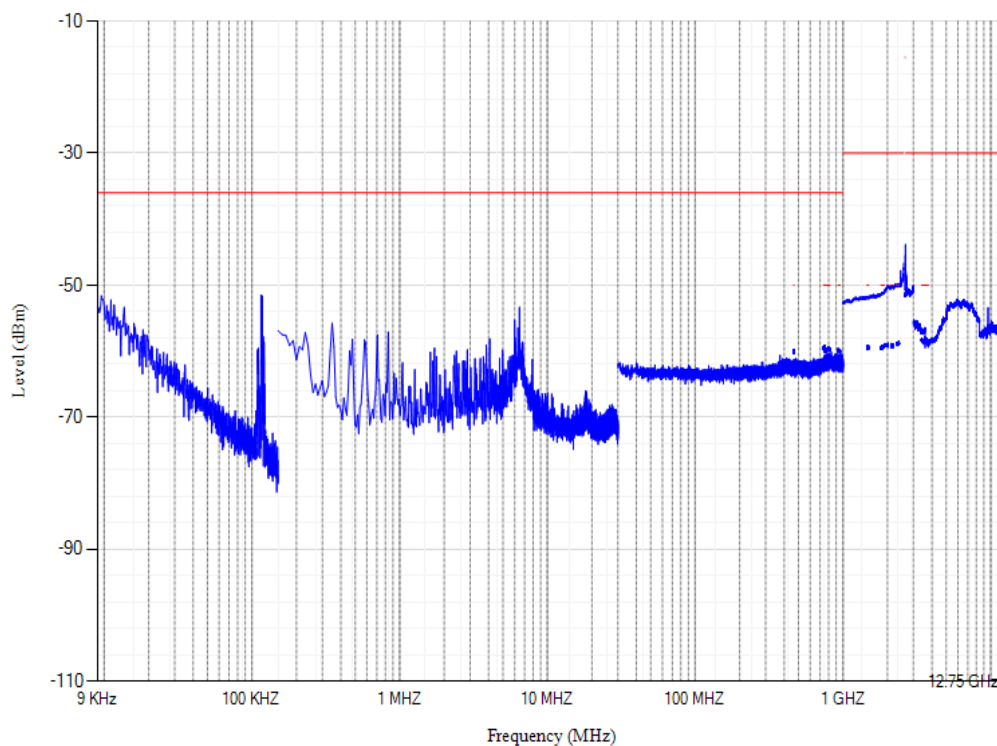
**Conducted spurious emissions**


Band38 16QAM BW=20MHz Channel=38150 RB Size=1 Position=#Max

**Conducted spurious emissions**




### Conducted spurious emissions





#### Appendix 4. Transmitter minimum output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Limit (dBm)	Verdict
Band38	5	37775	25	#0	QPSK	-49.85	-39	PASS
Band38	5	38000	25	#0	QPSK	-49.74	-39	PASS
Band38	5	38225	25	#0	QPSK	-49.62	-39	PASS
Band38	20	37850	100	#0	QPSK	-49.74	-39	PASS
Band38	20	38000	100	#0	QPSK	-49.66	-39	PASS
Band38	20	38150	100	#0	QPSK	-49.67	-39	PASS

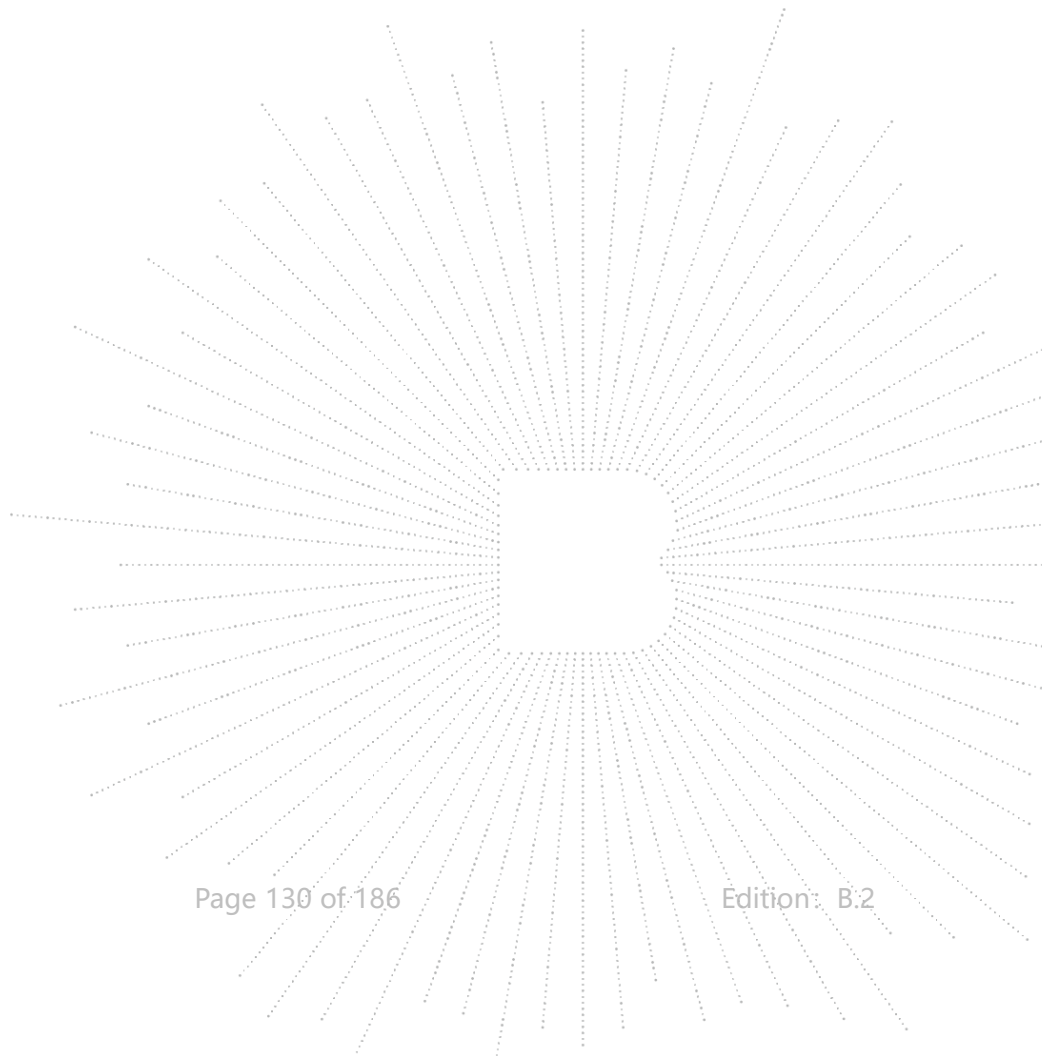
#### Appendix 5. Receiver adjacent channel selectivity

Band	Bandwidth (MHz)	UL Channel	UL RB Size	Modulation	Case	Interference Freq (MHz)	Interference Level (dBm)	Throughput (%)	Limit (%)	Verdict
Band38	5	38000	25	QPSK	Case1	2589.9975	-54.5	100.00	95	PASS
Band38	5	38000	25	QPSK	Case1	2600.0025	-54.5	100.00	95	PASS
Band38	5	38000	25	QPSK	Case2	2589.9975	-25	100.00	95	PASS
Band38	5	38000	25	QPSK	Case2	2600.0025	-25	100.00	95	PASS
Band38	5	38000	25	16QAM	Case1	2589.9975	-54.5	100.00	95	PASS
Band38	5	38000	25	16QAM	Case1	2600.0025	-54.5	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2589.9975	-25	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2600.0025	-25	100.00	95	PASS
Band38	20	38000	100	QPSK	Case1	2582.4975	-54.5	100.00	95	PASS
Band38	20	38000	100	QPSK	Case1	2607.5025	-54.5	100.00	95	PASS
Band38	20	38000	100	QPSK	Case2	2582.4975	-25	100.00	95	PASS
Band38	20	38000	100	QPSK	Case2	2607.5025	-25	100.00	95	PASS
Band38	20	38000	100	16QAM	Case1	2582.4975	-54.5	100.00	95	PASS
Band38	20	38000	100	16QAM	Case1	2607.5025	-54.5	100.00	95	PASS
Band38	20	38000	100	16QAM	Case2	2582.4975	-25	100.00	95	PASS
Band38	20	38000	100	16QAM	Case2	2607.5025	-25	100.00	95	PASS

## Appendix 6. Receiver blocking characteristics in-band

Band	Bandwidth (MHz)	UL Channel	UL RB Size	Modulation	Case	Interference Freq (MHz)	Interference Level (dBm)	Throughput (%)	Limit (%)	Verdict
Band38	5	38000	25	QPSK	Case1	2584.9875	-56	100.00	95	PASS
Band38	5	38000	25	QPSK	Case1	2605.0125	-56	100.00	95	PASS
Band38	5	38000	25	QPSK	Case2	2579.9925	-44	99.64	95	PASS
Band38	5	38000	25	QPSK	Case2	2574.9925	-44	100.00	95	PASS
Band38	5	38000	25	QPSK	Case2	2569.9925	-44	100.00	95	PASS
Band38	5	38000	25	QPSK	Case2	2564.9925	-44	100.00	95	PASS
Band38	5	38000	25	QPSK	Case2	2559.9925	-44	100.00	95	PASS
Band38	5	38000	25	QPSK	Case2	2610.0075	-44	100.00	95	PASS
Band38	5	38000	25	QPSK	Case2	2615.0075	-44	99.46	95	PASS
Band38	5	38000	25	QPSK	Case2	2620.0075	-44	100.00	95	PASS
Band38	5	38000	25	QPSK	Case2	2625.0075	-44	100.00	95	PASS
Band38	5	38000	25	QPSK	Case2	2630.0075	-44	100.00	95	PASS
Band38	5	38000	25	16QAM	Case1	2584.9875	-56	100.00	95	PASS
Band38	5	38000	25	16QAM	Case1	2605.0125	-56	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2579.9925	-44	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2574.9925	-44	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2569.9925	-44	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2564.9925	-44	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2559.9925	-44	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2610.0075	-44	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2615.0075	-44	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2620.0075	-44	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2625.0075	-44	100.00	95	PASS
Band38	5	38000	25	16QAM	Case2	2630.0075	-44	100.00	95	PASS
Band38	20	38000	100	QPSK	Case1	2577.4875	-56	100.00	95	PASS
Band38	20	38000	100	QPSK	Case1	2612.5125	-56	100.00	95	PASS
Band38	20	38000	100	QPSK	Case2	2572.4925	-44	100.00	95	PASS
Band38	20	38000	100	QPSK	Case2	2567.4925	-44	100.00	95	PASS
Band38	20	38000	100	QPSK	Case2	2562.4925	-44	100.00	95	PASS
Band38	20	38000	100	QPSK	Case2	2557.4925	-44	100.00	95	PASS
Band38	20	38000	100	QPSK	Case2	2617.5075	-44	100.00	95	PASS
Band38	20	38000	100	QPSK	Case2	2622.5075	-44	100.00	95	PASS
Band38	20	38000	100	QPSK	Case2	2627.5075	-44	100.00	95	PASS
Band38	20	38000	100	QPSK	Case2	2632.5075	-44	100.00	95	PASS
Band38	20	38000	100	16QAM	Case1	2577.4875	-56	100.00	95	PASS
Band38	20	38000	100	16QAM	Case1	2612.5125	-56	100.00	95	PASS

Band38	20	38000	100	16QAM	Case2	2572.4925	-44	100.00	95	PASS
Band38	20	38000	100	16QAM	Case2	2567.4925	-44	100.00	95	PASS
Band38	20	38000	100	16QAM	Case2	2562.4925	-44	100.00	95	PASS
Band38	20	38000	100	16QAM	Case2	2557.4925	-44	100.00	95	PASS
Band38	20	38000	100	16QAM	Case2	2617.5075	-44	100.00	95	PASS
Band38	20	38000	100	16QAM	Case2	2622.5075	-44	100.00	95	PASS
Band38	20	38000	100	16QAM	Case2	2627.5075	-44	100.00	95	PASS
Band38	20	38000	100	16QAM	Case2	2632.5075	-44	100.00	95	PASS



## Appendix 7. Receiver blocking characteristics narrow-band

Band	Bandwidth (MHz)	UL Channel	UL RB Size	Modulation	Interference Freq (MHz)	Interference Level (dBm)	Throughput (%)	Limit (%)	Verdict
Band38	5	38000	25	QPSK	2592.2925	-55	100.00	95	PASS
Band38	5	38000	25	QPSK	2597.7075	-55	100.00	95	PASS
Band38	5	38000	25	16QAM	2592.2925	-55	100.00	95	PASS
Band38	5	38000	25	16QAM	2597.7075	-55	100.00	95	PASS
Band38	20	38000	100	QPSK	2584.7925	-55	100.00	95	PASS
Band38	20	38000	100	QPSK	2605.2075	-55	100.00	95	PASS
Band38	20	38000	100	16QAM	2584.7925	-55	100.00	95	PASS
Band38	20	38000	100	16QAM	2605.2075	-55	100.00	95	PASS

## Appendix 8. Receiver intermodulation characteristics

Band	Bandwidth (MHz)	UL Channel	UL RB Size	Modulation	Interference1 Freq (MHz)	Interference1 Level (dBm)	Interference2 Freq (MHz)	Interference2 Level (dBm)	Throughput (%)	Limit (%)	Verdict
Band38	5	38000	25	QPSK	2585	-46	2575	-46	100.00	95	PASS
Band38	5	38000	25	QPSK	2605	-46	2615	-46	100.00	95	PASS
Band38	5	38000	25	16QAM	2585	-46	2575	-46	100.00	95	PASS
Band38	5	38000	25	16QAM	2605	-46	2615	-46	100.00	95	PASS
Band38	20	38000	100	QPSK	2577.5	-46	2560	-46	100.00	95	PASS
Band38	20	38000	100	QPSK	2612.5	-46	2630	-46	100.00	95	PASS
Band38	20	38000	100	16QAM	2577.5	-46	2560	-46	99.61	95	PASS
Band38	20	38000	100	16QAM	2612.5	-46	2630	-46	99.61	95	PASS

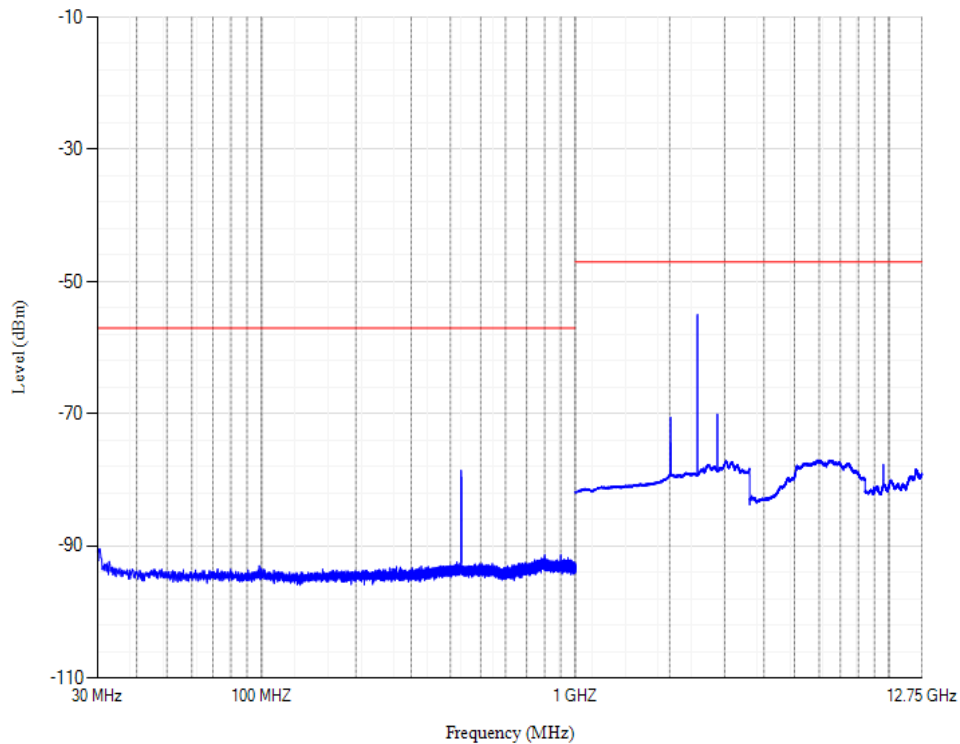
## Appendix 9. Receiver spurious emissions

Band	Bandwidth (MHz)	UL Channel	Modulation	Range (MHz)	RBW	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	QPSK	30 MHz-1000 MHz	100 kHz	432.84	-78.53	-57	PASS
Band38	5	37775	QPSK	1000 MHz-12.75 GHz	1 MHz	2454.06	-54.98	-47	PASS
Band38	5	37775	16QAM	30 MHz-1000 MHz	100 kHz	433.04	-79.21	-57	PASS
Band38	5	37775	16QAM	1000 MHz-12.75 GHz	1 MHz	6484.31	-76.97	-47	PASS
Band38	5	38000	QPSK	30 MHz-1000 MHz	100 kHz	948.40	-87.73	-57	PASS
Band38	5	38000	QPSK	1000 MHz-12.75 GHz	1 MHz	2463.85	-74.60	-47	PASS
Band38	5	38000	16QAM	30 MHz-1000 MHz	100 kHz	948.40	-88.00	-57	PASS
Band38	5	38000	16QAM	1000 MHz-12.75 GHz	1 MHz	2463.85	-73.87	-47	PASS
Band38	5	38225	QPSK	30 MHz-1000 MHz	100 kHz	948.30	-87.99	-57	PASS
Band38	5	38225	QPSK	1000 MHz-12.75 GHz	1 MHz	2630.31	-71.13	-47	PASS
Band38	5	38225	16QAM	30 MHz-1000 MHz	100 kHz	948.40	-89.90	-57	PASS
Band38	5	38225	16QAM	1000 MHz-12.75 GHz	1 MHz	2455.04	-51.23	-47	PASS
Band38	20	37850	QPSK	30 MHz-1000 MHz	100 kHz	948.40	-87.57	-57	PASS
Band38	20	37850	QPSK	1000 MHz-12.75 GHz	1 MHz	2457.98	-54.43	-47	PASS
Band38	20	37850	16QAM	30 MHz-1000 MHz	100 kHz	948.40	-87.63	-57	PASS
Band38	20	37850	16QAM	1000 MHz-12.75 GHz	1 MHz	2453.08	-56.94	-47	PASS
Band38	20	38000	QPSK	30 MHz-1000 MHz	100 kHz	948.49	-88.80	-57	PASS
Band38	20	38000	QPSK	1000 MHz-12.75 GHz	1 MHz	2455.04	-48.39	-47	PASS
Band38	20	38000	16QAM	30 MHz-1000 MHz	100 kHz	948.49	-89.88	-57	PASS

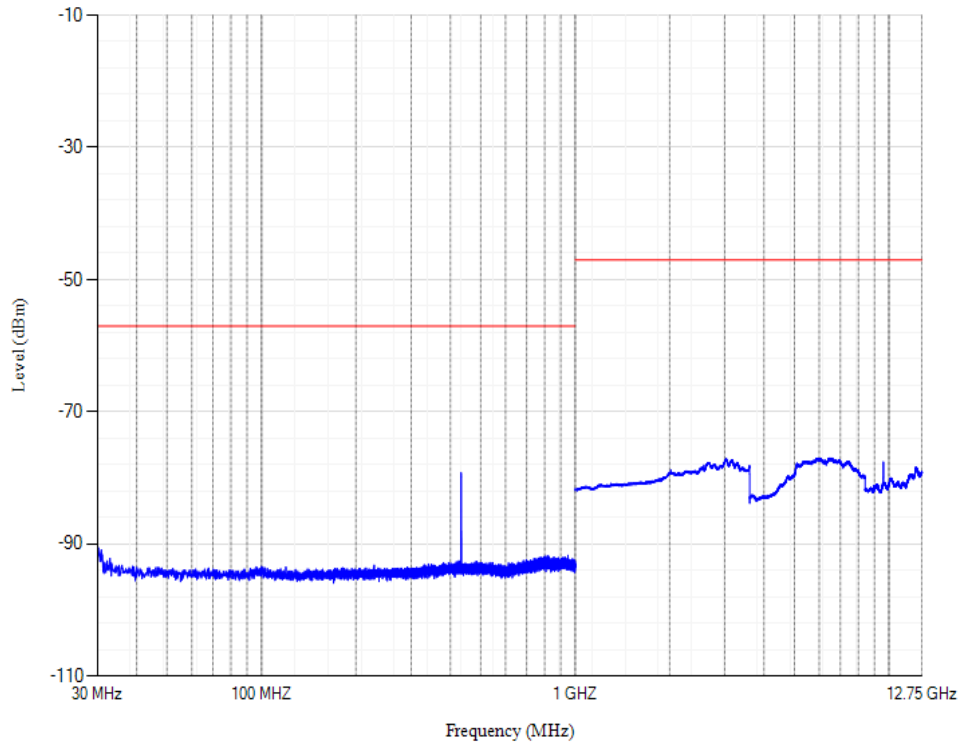
				MHz	kHz				
Band38	20	38000	16QAM	1000 MHz-12.75 GHz	1 MHz	5937.94	-76.94	-47	PASS
Band38	20	38150	QPSK	30 MHz-1000 MHz	100 kHz	30.68	-91.05	-57	PASS
Band38	20	38150	QPSK	1000 MHz-12.75 GHz	1 MHz	5263.29	-76.51	-47	PASS
Band38	20	38150	16QAM	30 MHz-1000 MHz	100 kHz	30.87	-90.83	-57	PASS
Band38	20	38150	16QAM	1000 MHz-12.75 GHz	1 MHz	2459.94	-58.23	-47	PASS

Band38 QPSK BW=5MHz Channel=37775

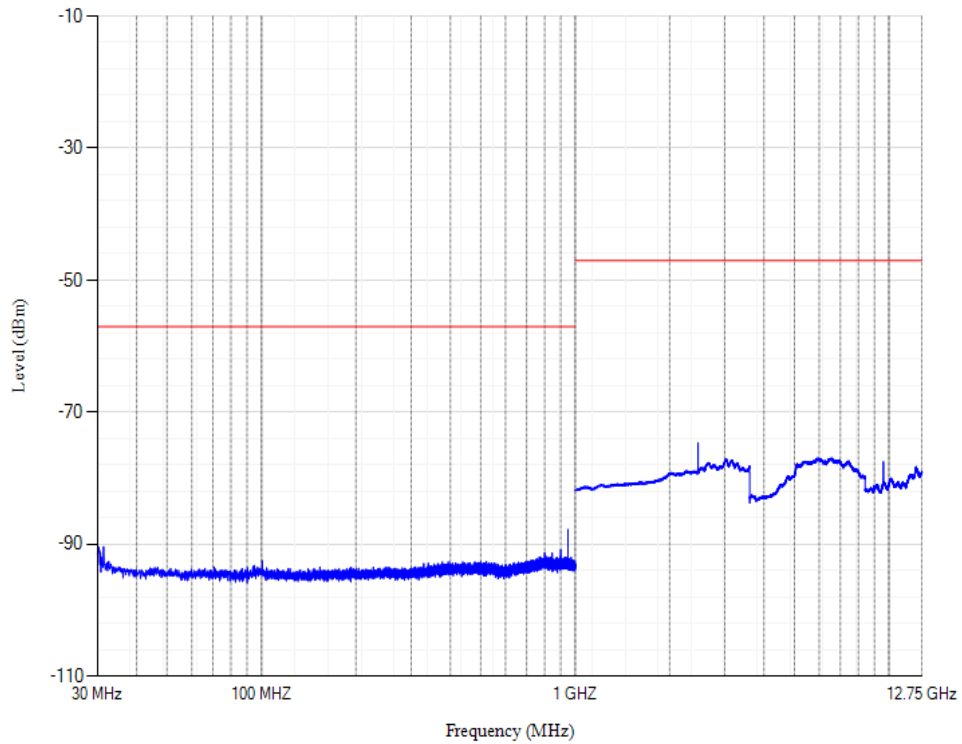
### Conducted spurious emissions



Band38 16QAM BW=5MHz Channel=37775

**Conducted spurious emissions**


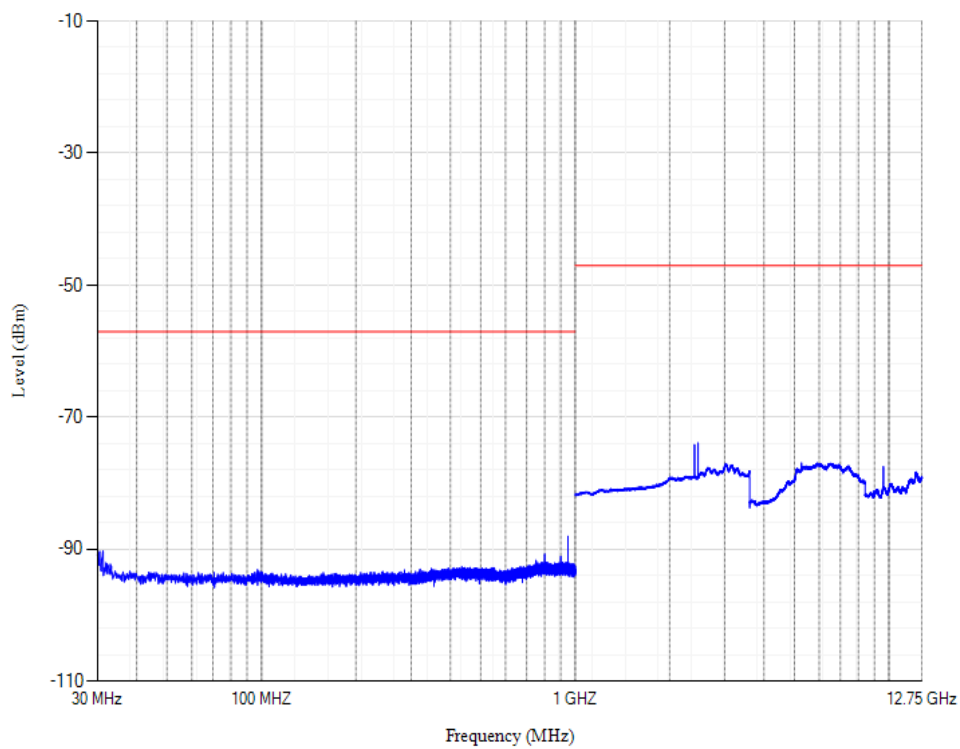
Band38 QPSK BW=5MHz Channel=38000

**Conducted spurious emissions**


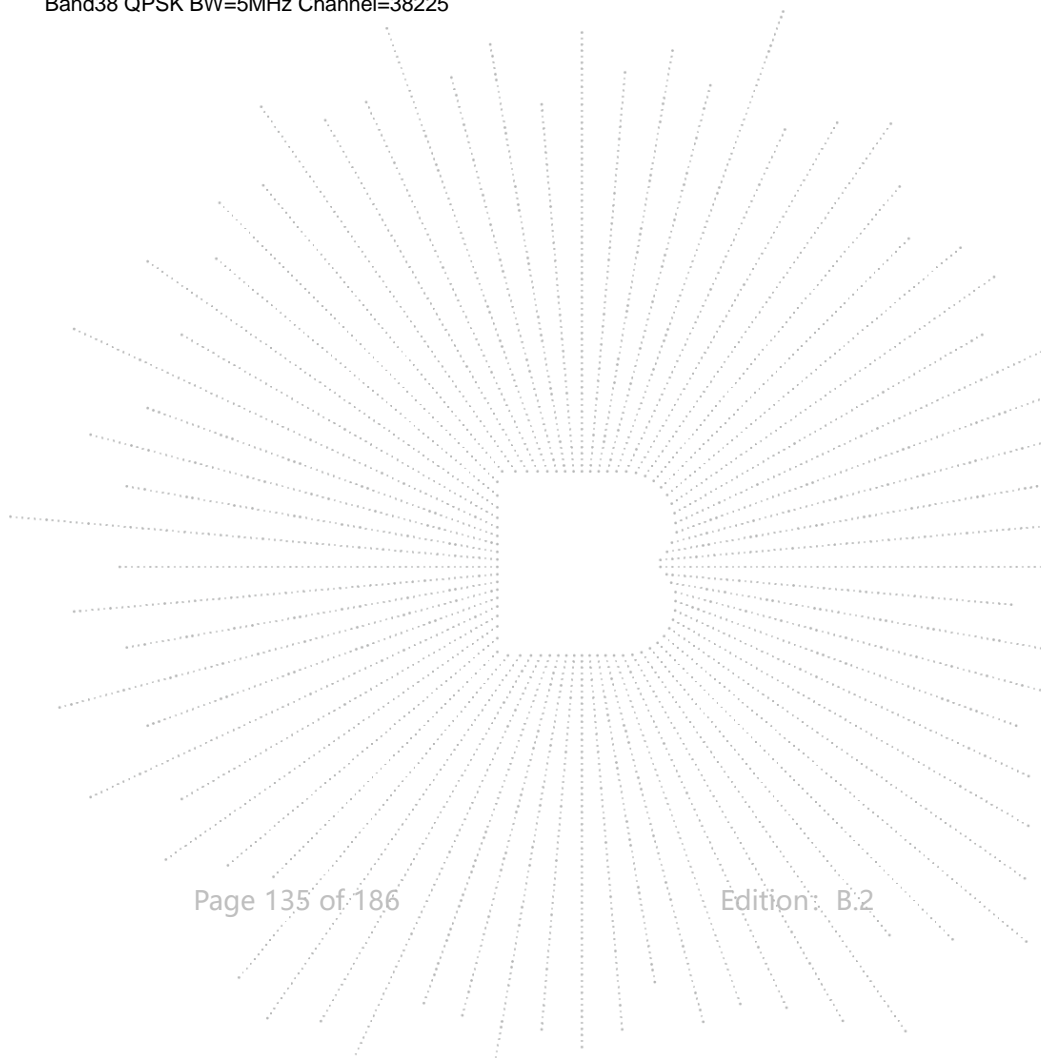


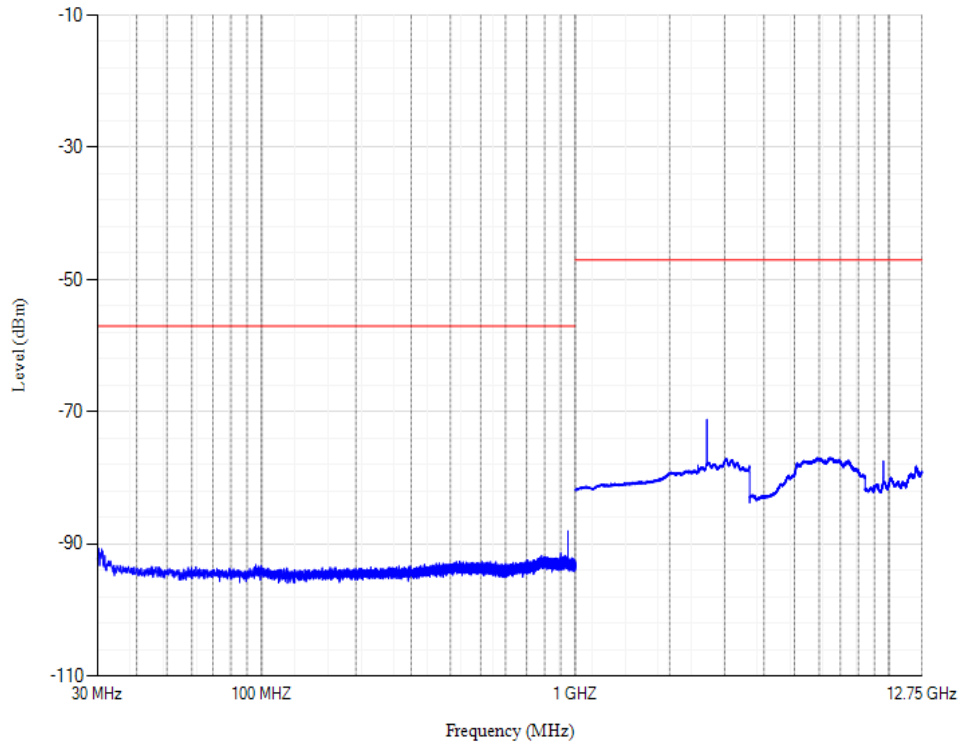
Band38 16QAM BW=5MHz Channel=38000

### Conducted spurious emissions

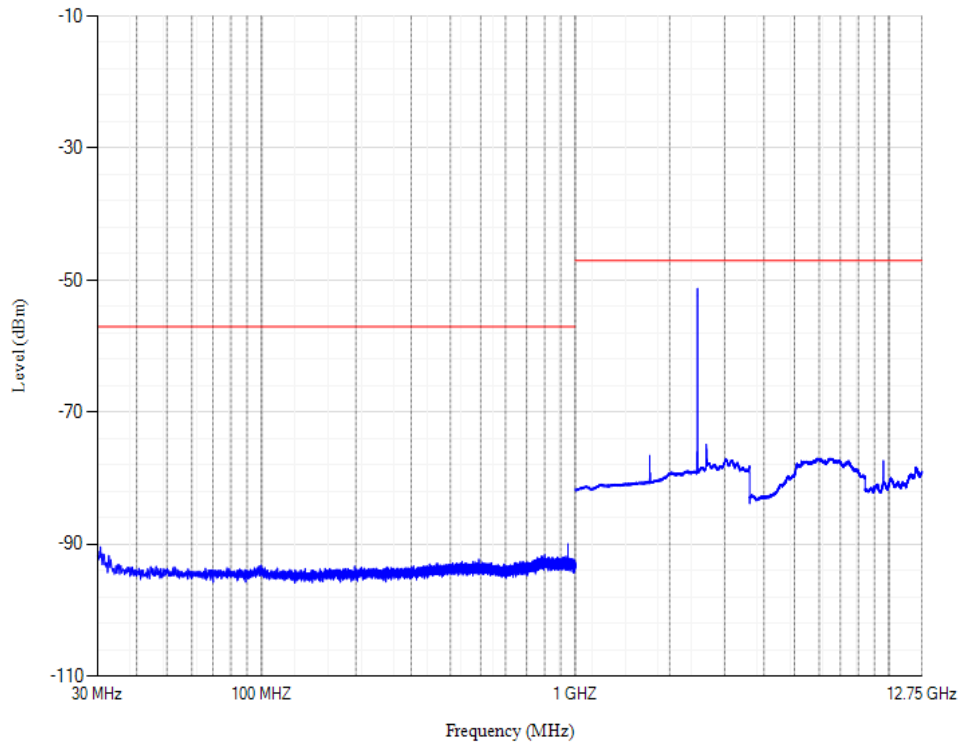


Band38 QPSK BW=5MHz Channel=38225



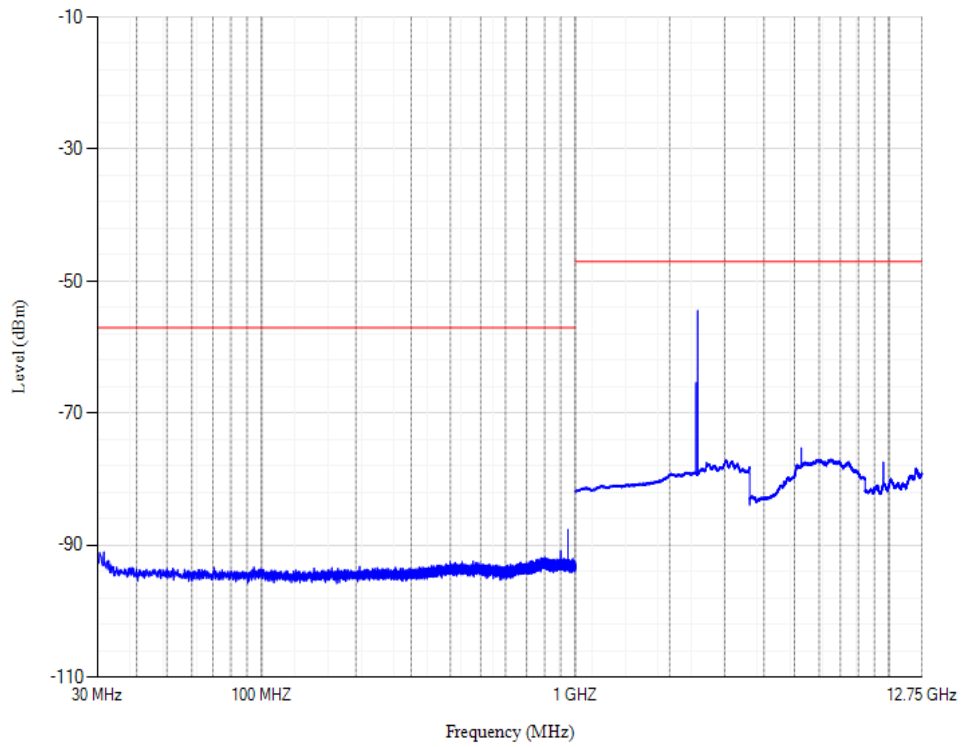
**Conducted spurious emissions**


Band38 16QAM BW=5MHz Channel=38225

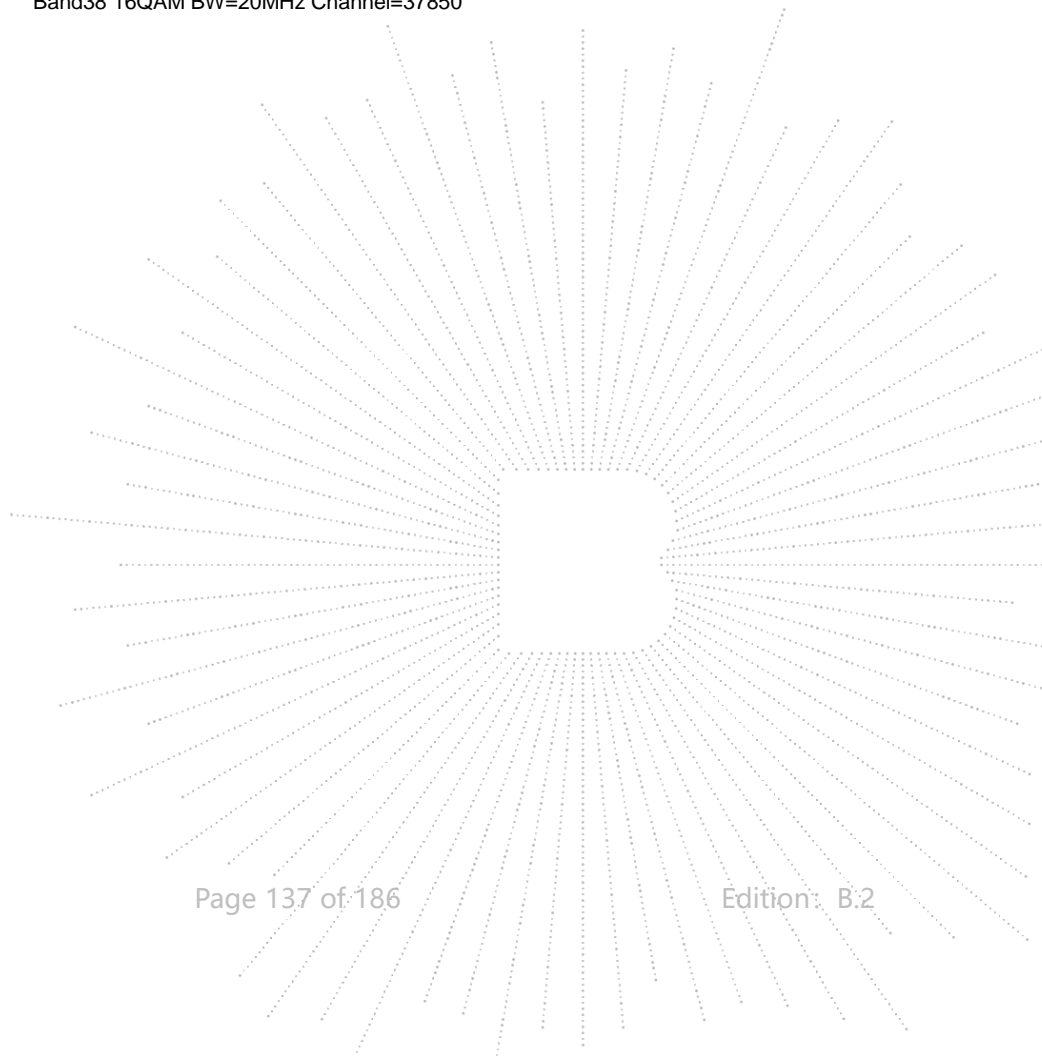
**Conducted spurious emissions**


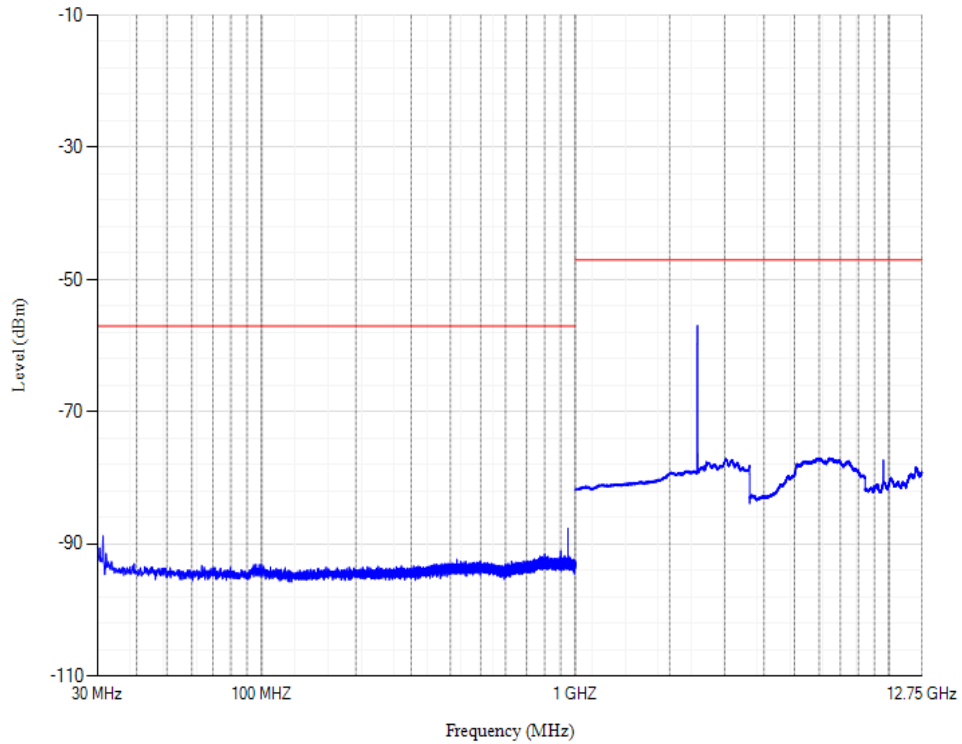
Band38 QPSK BW=20MHz Channel=37850

### Conducted spurious emissions

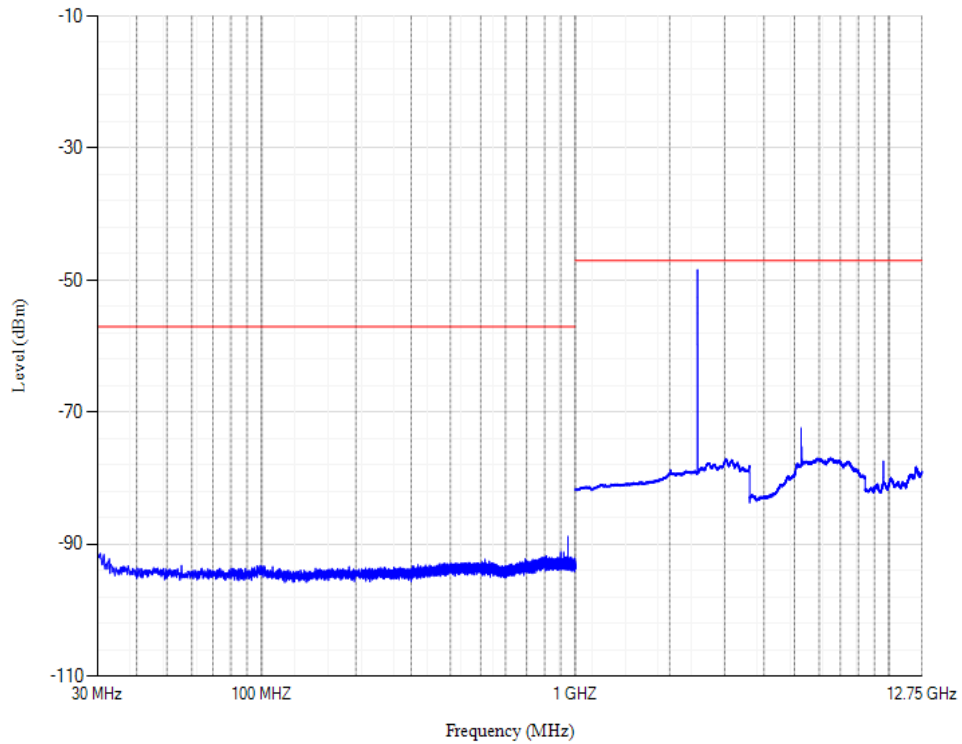


Band38 16QAM BW=20MHz Channel=37850



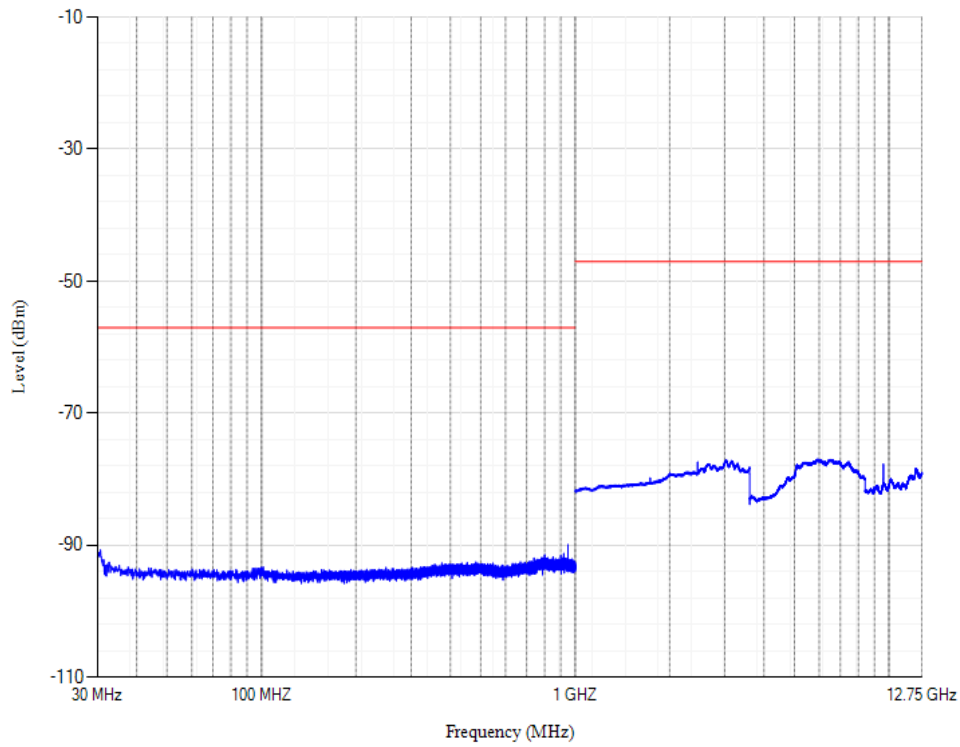
**Conducted spurious emissions**


Band38 QPSK BW=20MHz Channel=38000

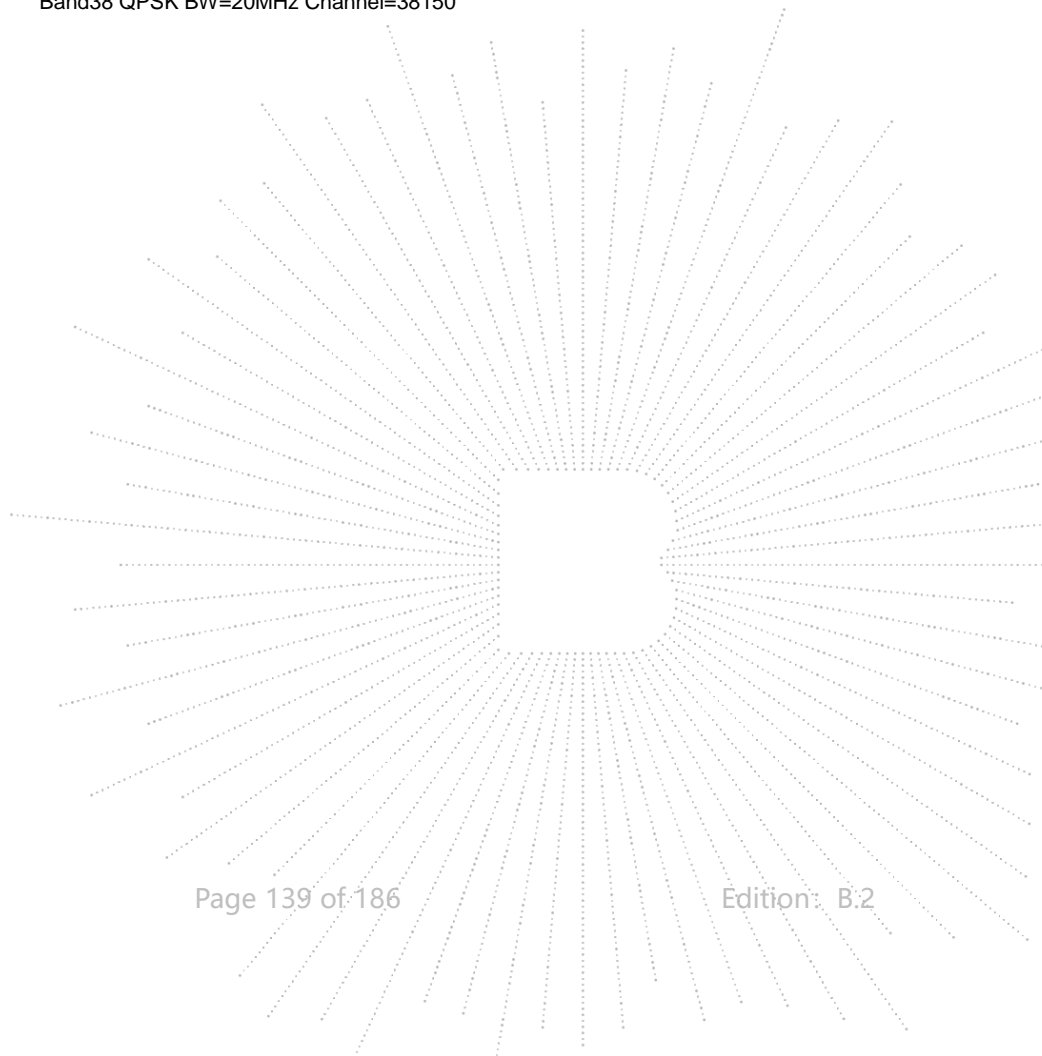
**Conducted spurious emissions**


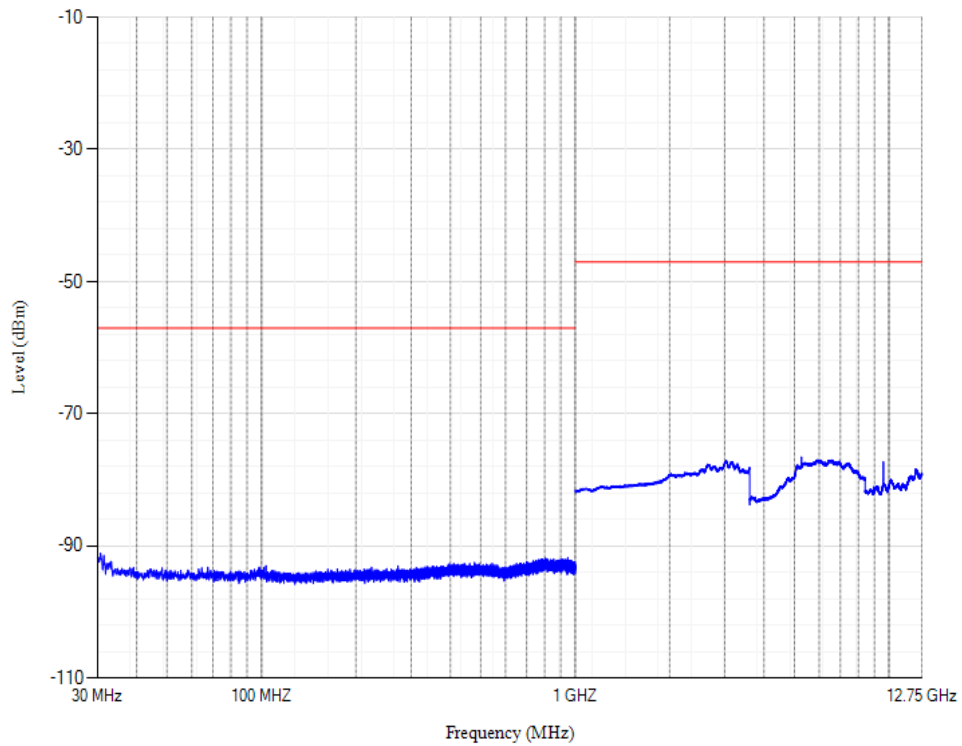
Band38 16QAM BW=20MHz Channel=38000

### Conducted spurious emissions

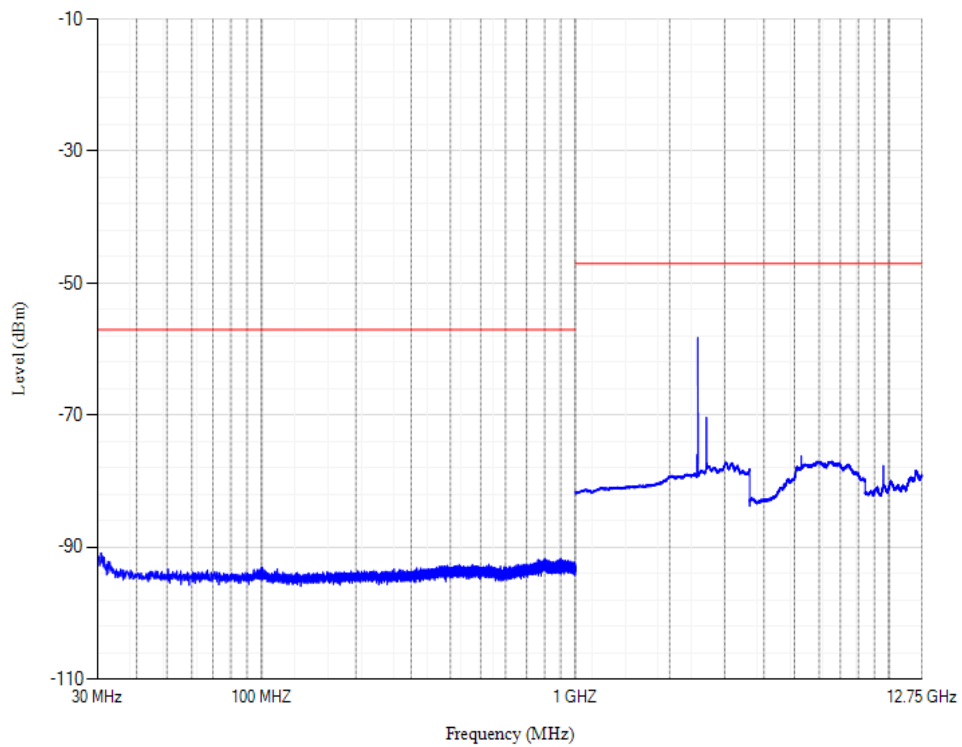


Band38 QPSK BW=20MHz Channel=38150



**Conducted spurious emissions**


Band38 16QAM BW=20MHz Channel=38150

**Conducted spurious emissions**


## Appendix 10. Transmitter adjacent channel leakage power ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Type	ACLR (dBc)	Limit (dBc)	Verdict
Band38	5	37775	8	#0	QPSK	U-ACLR2-	52.92	35.2	PASS
Band38	5	37775	8	#0	QPSK	U-ACLR1-	46.48	32.2	PASS
Band38	5	37775	8	#0	QPSK	E-ACLR-	45.09	29.2	PASS
Band38	5	37775	8	#0	QPSK	EUTRA	0.00	0	PASS
Band38	5	37775	8	#0	QPSK	E-ACLR+	48.06	29.2	PASS
Band38	5	37775	8	#0	QPSK	U-ACLR+	53.28	32.2	PASS
Band38	5	37775	8	#0	QPSK	U-ACLR2+	52.23	35.2	PASS
Band38	5	37775	8	#Max	QPSK	U-ACLR2-	52.61	35.2	PASS
Band38	5	37775	8	#Max	QPSK	U-ACLR1-	53.54	32.2	PASS
Band38	5	37775	8	#Max	QPSK	E-ACLR-	48.31	29.2	PASS
Band38	5	37775	8	#Max	QPSK	EUTRA	0.00	0	PASS
Band38	5	37775	8	#Max	QPSK	E-ACLR+	44.82	29.2	PASS
Band38	5	37775	8	#Max	QPSK	U-ACLR+	46.13	32.2	PASS
Band38	5	37775	8	#Max	QPSK	U-ACLR2+	52.72	35.2	PASS
Band38	5	37775	25	#0	QPSK	U-ACLR2-	50.42	35.2	PASS
Band38	5	37775	25	#0	QPSK	U-ACLR1-	49.36	32.2	PASS
Band38	5	37775	25	#0	QPSK	E-ACLR-	44.90	29.2	PASS
Band38	5	37775	25	#0	QPSK	EUTRA	0.00	0	PASS
Band38	5	37775	25	#0	QPSK	E-ACLR+	44.44	29.2	PASS
Band38	5	37775	25	#0	QPSK	U-ACLR+	48.98	32.2	PASS
Band38	5	37775	25	#0	QPSK	U-ACLR2+	49.67	35.2	PASS
Band38	5	37775	8	#0	16QAM	U-ACLR2-	53.34	35.2	PASS
Band38	5	37775	8	#0	16QAM	U-ACLR1-	46.62	32.2	PASS
Band38	5	37775	8	#0	16QAM	E-ACLR-	45.34	29.2	PASS
Band38	5	37775	8	#0	16QAM	EUTRA	0.00	0	PASS
Band38	5	37775	8	#0	16QAM	E-ACLR+	48.07	29.2	PASS
Band38	5	37775	8	#0	16QAM	U-ACLR+	53.29	32.2	PASS
Band38	5	37775	8	#0	16QAM	U-ACLR2+	52.36	35.2	PASS
Band38	5	37775	8	#Max	16QAM	U-ACLR2-	52.89	35.2	PASS
Band38	5	37775	8	#Max	16QAM	U-ACLR1-	53.51	32.2	PASS
Band38	5	37775	8	#Max	16QAM	E-ACLR-	48.31	29.2	PASS
Band38	5	37775	8	#Max	16QAM	EUTRA	0.00	0	PASS
Band38	5	37775	8	#Max	16QAM	E-ACLR+	45.03	29.2	PASS
Band38	5	37775	8	#Max	16QAM	U-ACLR+	46.49	32.2	PASS
Band38	5	37775	8	#Max	16QAM	U-ACLR2+	52.95	35.2	PASS
Band38	5	37775	25	#0	16QAM	U-ACLR2-	50.19	35.2	PASS
Band38	5	37775	25	#0	16QAM	U-ACLR1-	48.58	32.2	PASS
Band38	5	37775	25	#0	16QAM	E-ACLR-	44.72	29.2	PASS



Band38	5	37775	25	#0	16QAM	EUTRA	0.00	0	PASS
Band38	5	37775	25	#0	16QAM	E-ACLR+	44.43	29.2	PASS
Band38	5	37775	25	#0	16QAM	U-ACLR+	48.21	32.2	PASS
Band38	5	37775	25	#0	16QAM	U-ACLR2+	49.91	35.2	PASS
Band38	5	38000	8	#0	QPSK	U-ACLR2-	52.21	35.2	PASS
Band38	5	38000	8	#0	QPSK	U-ACLR1-	45.13	32.2	PASS
Band38	5	38000	8	#0	QPSK	E-ACLR-	43.93	29.2	PASS
Band38	5	38000	8	#0	QPSK	EUTRA	0.00	0	PASS
Band38	5	38000	8	#0	QPSK	E-ACLR+	48.07	29.2	PASS
Band38	5	38000	8	#0	QPSK	U-ACLR+	53.49	32.2	PASS
Band38	5	38000	8	#0	QPSK	U-ACLR2+	52.15	35.2	PASS
Band38	5	38000	8	#Max	QPSK	U-ACLR2-	52.51	35.2	PASS
Band38	5	38000	8	#Max	QPSK	U-ACLR1-	53.34	32.2	PASS
Band38	5	38000	8	#Max	QPSK	E-ACLR-	48.17	29.2	PASS
Band38	5	38000	8	#Max	QPSK	EUTRA	0.00	0	PASS
Band38	5	38000	8	#Max	QPSK	E-ACLR+	43.66	29.2	PASS
Band38	5	38000	8	#Max	QPSK	U-ACLR+	44.66	32.2	PASS
Band38	5	38000	8	#Max	QPSK	U-ACLR2+	52.22	35.2	PASS
Band38	5	38000	25	#0	QPSK	U-ACLR2-	49.58	35.2	PASS
Band38	5	38000	25	#0	QPSK	U-ACLR1-	48.77	32.2	PASS
Band38	5	38000	25	#0	QPSK	E-ACLR-	44.18	29.2	PASS
Band38	5	38000	25	#0	QPSK	EUTRA	0.00	0	PASS
Band38	5	38000	25	#0	QPSK	E-ACLR+	43.98	29.2	PASS
Band38	5	38000	25	#0	QPSK	U-ACLR+	48.56	32.2	PASS
Band38	5	38000	25	#0	QPSK	U-ACLR2+	49.19	35.2	PASS
Band38	5	38000	8	#0	16QAM	U-ACLR2-	52.56	35.2	PASS
Band38	5	38000	8	#0	16QAM	U-ACLR1-	45.40	32.2	PASS
Band38	5	38000	8	#0	16QAM	E-ACLR-	44.23	29.2	PASS
Band38	5	38000	8	#0	16QAM	EUTRA	0.00	0	PASS
Band38	5	38000	8	#0	16QAM	E-ACLR+	47.86	29.2	PASS
Band38	5	38000	8	#0	16QAM	U-ACLR+	52.91	32.2	PASS
Band38	5	38000	8	#0	16QAM	U-ACLR2+	52.23	35.2	PASS
Band38	5	38000	8	#Max	16QAM	U-ACLR2-	52.36	35.2	PASS
Band38	5	38000	8	#Max	16QAM	U-ACLR1-	53.28	32.2	PASS
Band38	5	38000	8	#Max	16QAM	E-ACLR-	48.01	29.2	PASS
Band38	5	38000	8	#Max	16QAM	EUTRA	0.00	0	PASS
Band38	5	38000	8	#Max	16QAM	E-ACLR+	44.20	29.2	PASS
Band38	5	38000	8	#Max	16QAM	U-ACLR+	45.47	32.2	PASS
Band38	5	38000	8	#Max	16QAM	U-ACLR2+	52.56	35.2	PASS
Band38	5	38000	25	#0	16QAM	U-ACLR2-	48.91	35.2	PASS
Band38	5	38000	25	#0	16QAM	U-ACLR1-	47.44	32.2	PASS
Band38	5	38000	25	#0	16QAM	E-ACLR-	43.64	29.2	PASS

Band38	5	38000	25	#0	16QAM	EUTRA	0.00	0	PASS
Band38	5	38000	25	#0	16QAM	E-ACLR+	43.28	29.2	PASS
Band38	5	38000	25	#0	16QAM	U-ACLR+	47.14	32.2	PASS
Band38	5	38000	25	#0	16QAM	U-ACLR2+	48.60	35.2	PASS
Band38	5	38225	8	#0	QPSK	U-ACLR2-	50.56	35.2	PASS
Band38	5	38225	8	#0	QPSK	U-ACLR1-	40.90	32.2	PASS
Band38	5	38225	8	#0	QPSK	E-ACLR-	40.47	29.2	PASS
Band38	5	38225	8	#0	QPSK	EUTRA	0.00	0	PASS
Band38	5	38225	8	#0	QPSK	E-ACLR+	47.71	29.2	PASS
Band38	5	38225	8	#0	QPSK	U-ACLR+	52.86	32.2	PASS
Band38	5	38225	8	#0	QPSK	U-ACLR2+	51.80	35.2	PASS
Band38	5	38225	8	#Max	QPSK	U-ACLR2-	52.07	35.2	PASS
Band38	5	38225	8	#Max	QPSK	U-ACLR1-	53.10	32.2	PASS
Band38	5	38225	8	#Max	QPSK	E-ACLR-	47.83	29.2	PASS
Band38	5	38225	8	#Max	QPSK	EUTRA	0.00	0	PASS
Band38	5	38225	8	#Max	QPSK	E-ACLR+	40.57	29.2	PASS
Band38	5	38225	8	#Max	QPSK	U-ACLR+	40.94	32.2	PASS
Band38	5	38225	8	#Max	QPSK	U-ACLR2+	50.65	35.2	PASS
Band38	5	38225	25	#0	QPSK	U-ACLR2-	49.01	35.2	PASS
Band38	5	38225	25	#0	QPSK	U-ACLR1-	48.28	32.2	PASS
Band38	5	38225	25	#0	QPSK	E-ACLR-	43.60	29.2	PASS
Band38	5	38225	25	#0	QPSK	EUTRA	0.00	0	PASS
Band38	5	38225	25	#0	QPSK	E-ACLR+	43.04	29.2	PASS
Band38	5	38225	25	#0	QPSK	U-ACLR+	47.55	32.2	PASS
Band38	5	38225	25	#0	QPSK	U-ACLR2+	48.62	35.2	PASS
Band38	5	38225	8	#0	16QAM	U-ACLR2-	52.30	35.2	PASS
Band38	5	38225	8	#0	16QAM	U-ACLR1-	43.98	32.2	PASS
Band38	5	38225	8	#0	16QAM	E-ACLR-	43.13	29.2	PASS
Band38	5	38225	8	#0	16QAM	EUTRA	0.00	0	PASS
Band38	5	38225	8	#0	16QAM	E-ACLR+	47.92	29.2	PASS
Band38	5	38225	8	#0	16QAM	U-ACLR+	53.12	32.2	PASS
Band38	5	38225	8	#0	16QAM	U-ACLR2+	52.05	35.2	PASS
Band38	5	38225	8	#Max	16QAM	U-ACLR2-	52.43	35.2	PASS
Band38	5	38225	8	#Max	16QAM	U-ACLR1-	53.23	32.2	PASS
Band38	5	38225	8	#Max	16QAM	E-ACLR-	48.04	29.2	PASS
Band38	5	38225	8	#Max	16QAM	EUTRA	0.00	0	PASS
Band38	5	38225	8	#Max	16QAM	E-ACLR+	43.26	29.2	PASS
Band38	5	38225	8	#Max	16QAM	U-ACLR+	44.29	32.2	PASS
Band38	5	38225	8	#Max	16QAM	U-ACLR2+	51.89	35.2	PASS
Band38	5	38225	25	#0	16QAM	U-ACLR2-	48.38	35.2	PASS
Band38	5	38225	25	#0	16QAM	U-ACLR1-	46.78	32.2	PASS
Band38	5	38225	25	#0	16QAM	E-ACLR-	42.95	29.2	PASS

Band38	5	38225	25	#0	16QAM	EUTRA	0.00	0	PASS
Band38	5	38225	25	#0	16QAM	E-ACLR+	42.53	29.2	PASS
Band38	5	38225	25	#0	16QAM	U-ACLR+	46.40	32.2	PASS
Band38	5	38225	25	#0	16QAM	U-ACLR2+	48.02	35.2	PASS
Band38	10	37800	12	#0	QPSK	U-ACLR2-	52.29	35.2	PASS
Band38	10	37800	12	#0	QPSK	U-ACLR1-	47.08	32.2	PASS
Band38	10	37800	12	#0	QPSK	E-ACLR-	44.50	29.2	PASS
Band38	10	37800	12	#0	QPSK	EUTRA	0.00	0	PASS
Band38	10	37800	12	#0	QPSK	E-ACLR+	46.68	29.2	PASS
Band38	10	37800	12	#0	QPSK	U-ACLR+	56.94	32.2	PASS
Band38	10	37800	12	#0	QPSK	U-ACLR2+	56.68	35.2	PASS
Band38	10	37800	12	#Max	QPSK	U-ACLR2-	56.94	35.2	PASS
Band38	10	37800	12	#Max	QPSK	U-ACLR1-	56.88	32.2	PASS
Band38	10	37800	12	#Max	QPSK	E-ACLR-	47.39	29.2	PASS
Band38	10	37800	12	#Max	QPSK	EUTRA	0.00	0	PASS
Band38	10	37800	12	#Max	QPSK	E-ACLR+	44.16	29.2	PASS
Band38	10	37800	12	#Max	QPSK	U-ACLR+	46.31	32.2	PASS
Band38	10	37800	12	#Max	QPSK	U-ACLR2+	51.79	35.2	PASS
Band38	10	37800	50	#0	QPSK	U-ACLR2-	52.67	35.2	PASS
Band38	10	37800	50	#0	QPSK	U-ACLR1-	51.66	32.2	PASS
Band38	10	37800	50	#0	QPSK	E-ACLR-	44.60	29.2	PASS
Band38	10	37800	50	#0	QPSK	EUTRA	0.00	0	PASS
Band38	10	37800	50	#0	QPSK	E-ACLR+	43.42	29.2	PASS
Band38	10	37800	50	#0	QPSK	U-ACLR+	50.11	32.2	PASS
Band38	10	37800	50	#0	QPSK	U-ACLR2+	51.45	35.2	PASS
Band38	10	37800	12	#0	16QAM	U-ACLR2-	51.99	35.2	PASS
Band38	10	37800	12	#0	16QAM	U-ACLR1-	47.30	32.2	PASS
Band38	10	37800	12	#0	16QAM	E-ACLR-	44.55	29.2	PASS
Band38	10	37800	12	#0	16QAM	EUTRA	0.00	0	PASS
Band38	10	37800	12	#0	16QAM	E-ACLR+	46.51	29.2	PASS
Band38	10	37800	12	#0	16QAM	U-ACLR+	56.23	32.2	PASS
Band38	10	37800	12	#0	16QAM	U-ACLR2+	56.32	35.2	PASS
Band38	10	37800	12	#Max	16QAM	U-ACLR2-	56.18	35.2	PASS
Band38	10	37800	12	#Max	16QAM	U-ACLR1-	56.21	32.2	PASS
Band38	10	37800	12	#Max	16QAM	E-ACLR-	46.94	29.2	PASS
Band38	10	37800	12	#Max	16QAM	EUTRA	0.00	0	PASS
Band38	10	37800	12	#Max	16QAM	E-ACLR+	44.30	29.2	PASS
Band38	10	37800	12	#Max	16QAM	U-ACLR+	46.47	32.2	PASS
Band38	10	37800	12	#Max	16QAM	U-ACLR2+	51.53	35.2	PASS
Band38	10	37800	50	#0	16QAM	U-ACLR2-	52.43	35.2	PASS
Band38	10	37800	50	#0	16QAM	U-ACLR1-	51.11	32.2	PASS
Band38	10	37800	50	#0	16QAM	E-ACLR-	44.54	29.2	PASS

Band38	10	37800	50	#0	16QAM	EUTRA	0.00	0	PASS
Band38	10	37800	50	#0	16QAM	E-ACLR+	43.58	29.2	PASS
Band38	10	37800	50	#0	16QAM	U-ACLR+	50.34	32.2	PASS
Band38	10	37800	50	#0	16QAM	U-ACLR2+	51.14	35.2	PASS
Band38	10	38000	12	#0	QPSK	U-ACLR2-	51.48	35.2	PASS
Band38	10	38000	12	#0	QPSK	U-ACLR1-	45.94	32.2	PASS
Band38	10	38000	12	#0	QPSK	E-ACLR-	43.64	29.2	PASS
Band38	10	38000	12	#0	QPSK	EUTRA	0.00	0	PASS
Band38	10	38000	12	#0	QPSK	E-ACLR+	46.77	29.2	PASS
Band38	10	38000	12	#0	QPSK	U-ACLR+	56.89	32.2	PASS
Band38	10	38000	12	#0	QPSK	U-ACLR2+	56.91	35.2	PASS
Band38	10	38000	12	#Max	QPSK	U-ACLR2-	56.77	35.2	PASS
Band38	10	38000	12	#Max	QPSK	U-ACLR1-	56.74	32.2	PASS
Band38	10	38000	12	#Max	QPSK	E-ACLR-	47.27	29.2	PASS
Band38	10	38000	12	#Max	QPSK	EUTRA	0.00	0	PASS
Band38	10	38000	12	#Max	QPSK	E-ACLR+	43.43	29.2	PASS
Band38	10	38000	12	#Max	QPSK	U-ACLR+	45.14	32.2	PASS
Band38	10	38000	12	#Max	QPSK	U-ACLR2+	51.05	35.2	PASS
Band38	10	38000	50	#0	QPSK	U-ACLR2-	52.19	35.2	PASS
Band38	10	38000	50	#0	QPSK	U-ACLR1-	51.09	32.2	PASS
Band38	10	38000	50	#0	QPSK	E-ACLR-	44.14	29.2	PASS
Band38	10	38000	50	#0	QPSK	EUTRA	0.00	0	PASS
Band38	10	38000	50	#0	QPSK	E-ACLR+	43.19	29.2	PASS
Band38	10	38000	50	#0	QPSK	U-ACLR+	50.20	32.2	PASS
Band38	10	38000	50	#0	QPSK	U-ACLR2+	51.24	35.2	PASS
Band38	10	38000	12	#0	16QAM	U-ACLR2-	51.19	35.2	PASS
Band38	10	38000	12	#0	16QAM	U-ACLR1-	45.85	32.2	PASS
Band38	10	38000	12	#0	16QAM	E-ACLR-	43.80	29.2	PASS
Band38	10	38000	12	#0	16QAM	EUTRA	0.00	0	PASS
Band38	10	38000	12	#0	16QAM	E-ACLR+	46.62	29.2	PASS
Band38	10	38000	12	#0	16QAM	U-ACLR+	56.21	32.2	PASS
Band38	10	38000	12	#0	16QAM	U-ACLR2+	56.26	35.2	PASS
Band38	10	38000	12	#Max	16QAM	U-ACLR2-	56.21	35.2	PASS
Band38	10	38000	12	#Max	16QAM	U-ACLR1-	56.07	32.2	PASS
Band38	10	38000	12	#Max	16QAM	E-ACLR-	46.92	29.2	PASS
Band38	10	38000	12	#Max	16QAM	EUTRA	0.00	0	PASS
Band38	10	38000	12	#Max	16QAM	E-ACLR+	43.56	29.2	PASS
Band38	10	38000	12	#Max	16QAM	U-ACLR+	45.30	32.2	PASS
Band38	10	38000	12	#Max	16QAM	U-ACLR2+	50.88	35.2	PASS
Band38	10	38000	50	#0	16QAM	U-ACLR2-	51.62	35.2	PASS
Band38	10	38000	50	#0	16QAM	U-ACLR1-	50.03	32.2	PASS
Band38	10	38000	50	#0	16QAM	E-ACLR-	43.78	29.2	PASS

Band38	10	38000	50	#0	16QAM	EUTRA	0.00	0	PASS
Band38	10	38000	50	#0	16QAM	E-ACLR+	43.14	29.2	PASS
Band38	10	38000	50	#0	16QAM	U-ACLR+	49.61	32.2	PASS
Band38	10	38000	50	#0	16QAM	U-ACLR2+	50.86	35.2	PASS
Band38	10	38200	12	#0	QPSK	U-ACLR2-	50.46	35.2	PASS
Band38	10	38200	12	#0	QPSK	U-ACLR1-	44.58	32.2	PASS
Band38	10	38200	12	#0	QPSK	E-ACLR-	42.72	29.2	PASS
Band38	10	38200	12	#0	QPSK	EUTRA	0.00	0	PASS
Band38	10	38200	12	#0	QPSK	E-ACLR+	46.75	29.2	PASS
Band38	10	38200	12	#0	QPSK	U-ACLR+	56.98	32.2	PASS
Band38	10	38200	12	#0	QPSK	U-ACLR2+	56.89	35.2	PASS
Band38	10	38200	12	#Max	QPSK	U-ACLR2-	56.83	35.2	PASS
Band38	10	38200	12	#Max	QPSK	U-ACLR1-	56.71	32.2	PASS
Band38	10	38200	12	#Max	QPSK	E-ACLR-	47.22	29.2	PASS
Band38	10	38200	12	#Max	QPSK	EUTRA	0.00	0	PASS
Band38	10	38200	12	#Max	QPSK	E-ACLR+	43.01	29.2	PASS
Band38	10	38200	12	#Max	QPSK	U-ACLR+	44.68	32.2	PASS
Band38	10	38200	12	#Max	QPSK	U-ACLR2+	50.73	35.2	PASS
Band38	10	38200	50	#0	QPSK	U-ACLR2-	52.03	35.2	PASS
Band38	10	38200	50	#0	QPSK	U-ACLR1-	50.96	32.2	PASS
Band38	10	38200	50	#0	QPSK	E-ACLR-	43.73	29.2	PASS
Band38	10	38200	50	#0	QPSK	EUTRA	0.00	0	PASS
Band38	10	38200	50	#0	QPSK	E-ACLR+	42.86	29.2	PASS
Band38	10	38200	50	#0	QPSK	U-ACLR+	50.01	32.2	PASS
Band38	10	38200	50	#0	QPSK	U-ACLR2+	50.66	35.2	PASS
Band38	10	38200	12	#0	16QAM	U-ACLR2-	50.49	35.2	PASS
Band38	10	38200	12	#0	16QAM	U-ACLR1-	45.02	32.2	PASS
Band38	10	38200	12	#0	16QAM	E-ACLR-	43.07	29.2	PASS
Band38	10	38200	12	#0	16QAM	EUTRA	0.00	0	PASS
Band38	10	38200	12	#0	16QAM	E-ACLR+	46.61	29.2	PASS
Band38	10	38200	12	#0	16QAM	U-ACLR+	56.28	32.2	PASS
Band38	10	38200	12	#0	16QAM	U-ACLR2+	56.17	35.2	PASS
Band38	10	38200	12	#Max	16QAM	U-ACLR2-	56.06	35.2	PASS
Band38	10	38200	12	#Max	16QAM	U-ACLR1-	56.02	32.2	PASS
Band38	10	38200	12	#Max	16QAM	E-ACLR-	46.88	29.2	PASS
Band38	10	38200	12	#Max	16QAM	EUTRA	0.00	0	PASS
Band38	10	38200	12	#Max	16QAM	E-ACLR+	43.30	29.2	PASS
Band38	10	38200	12	#Max	16QAM	U-ACLR+	44.88	32.2	PASS
Band38	10	38200	12	#Max	16QAM	U-ACLR2+	50.43	35.2	PASS
Band38	10	38200	50	#0	16QAM	U-ACLR2-	50.54	35.2	PASS
Band38	10	38200	50	#0	16QAM	U-ACLR1-	49.40	32.2	PASS
Band38	10	38200	50	#0	16QAM	E-ACLR-	42.97	29.2	PASS



Band38	10	38200	50	#0	16QAM	EUTRA	0.00	0	PASS
Band38	10	38200	50	#0	16QAM	E-ACLR+	42.52	29.2	PASS
Band38	10	38200	50	#0	16QAM	U-ACLR+	48.76	32.2	PASS
Band38	10	38200	50	#0	16QAM	U-ACLR2+	50.08	35.2	PASS
Band38	20	37850	18	#0	QPSK	U-ACLR2-	51.54	35.2	PASS
Band38	20	37850	18	#0	QPSK	U-ACLR1-	49.20	32.2	PASS
Band38	20	37850	18	#0	QPSK	E-ACLR-	43.94	29.2	PASS
Band38	20	37850	18	#0	QPSK	EUTRA	0.00	0	PASS
Band38	20	37850	18	#0	QPSK	E-ACLR+	45.25	29.2	PASS
Band38	20	37850	18	#0	QPSK	U-ACLR+	58.02	32.2	PASS
Band38	20	37850	18	#0	QPSK	U-ACLR2+	58.11	35.2	PASS
Band38	20	37850	18	#Max	QPSK	U-ACLR2-	57.60	35.2	PASS
Band38	20	37850	18	#Max	QPSK	U-ACLR1-	57.69	32.2	PASS
Band38	20	37850	18	#Max	QPSK	E-ACLR-	45.81	29.2	PASS
Band38	20	37850	18	#Max	QPSK	EUTRA	0.00	0	PASS
Band38	20	37850	18	#Max	QPSK	E-ACLR+	43.85	29.2	PASS
Band38	20	37850	18	#Max	QPSK	U-ACLR+	48.49	32.2	PASS
Band38	20	37850	18	#Max	QPSK	U-ACLR2+	50.93	35.2	PASS
Band38	20	37850	100	#0	QPSK	U-ACLR2-	54.14	35.2	PASS
Band38	20	37850	100	#0	QPSK	U-ACLR1-	53.23	32.2	PASS
Band38	20	37850	100	#0	QPSK	E-ACLR-	43.55	29.2	PASS
Band38	20	37850	100	#0	QPSK	EUTRA	0.00	0	PASS
Band38	20	37850	100	#0	QPSK	E-ACLR+	42.17	29.2	PASS
Band38	20	37850	100	#0	QPSK	U-ACLR+	52.23	32.2	PASS
Band38	20	37850	100	#0	QPSK	U-ACLR2+	52.87	35.2	PASS
Band38	20	37850	18	#0	16QAM	U-ACLR2-	51.84	35.2	PASS
Band38	20	37850	18	#0	16QAM	U-ACLR1-	49.07	32.2	PASS
Band38	20	37850	18	#0	16QAM	E-ACLR-	43.78	29.2	PASS
Band38	20	37850	18	#0	16QAM	EUTRA	0.00	0	PASS
Band38	20	37850	18	#0	16QAM	E-ACLR+	44.73	29.2	PASS
Band38	20	37850	18	#0	16QAM	U-ACLR+	57.08	32.2	PASS
Band38	20	37850	18	#0	16QAM	U-ACLR2+	57.13	35.2	PASS
Band38	20	37850	18	#Max	16QAM	U-ACLR2-	56.65	35.2	PASS
Band38	20	37850	18	#Max	16QAM	U-ACLR1-	56.63	32.2	PASS
Band38	20	37850	18	#Max	16QAM	E-ACLR-	44.97	29.2	PASS
Band38	20	37850	18	#Max	16QAM	EUTRA	0.00	0	PASS
Band38	20	37850	18	#Max	16QAM	E-ACLR+	43.68	29.2	PASS
Band38	20	37850	18	#Max	16QAM	U-ACLR+	48.12	32.2	PASS
Band38	20	37850	18	#Max	16QAM	U-ACLR2+	51.29	35.2	PASS
Band38	20	37850	100	#0	16QAM	U-ACLR2-	53.84	35.2	PASS
Band38	20	37850	100	#0	16QAM	U-ACLR1-	52.85	32.2	PASS
Band38	20	37850	100	#0	16QAM	E-ACLR-	43.58	29.2	PASS

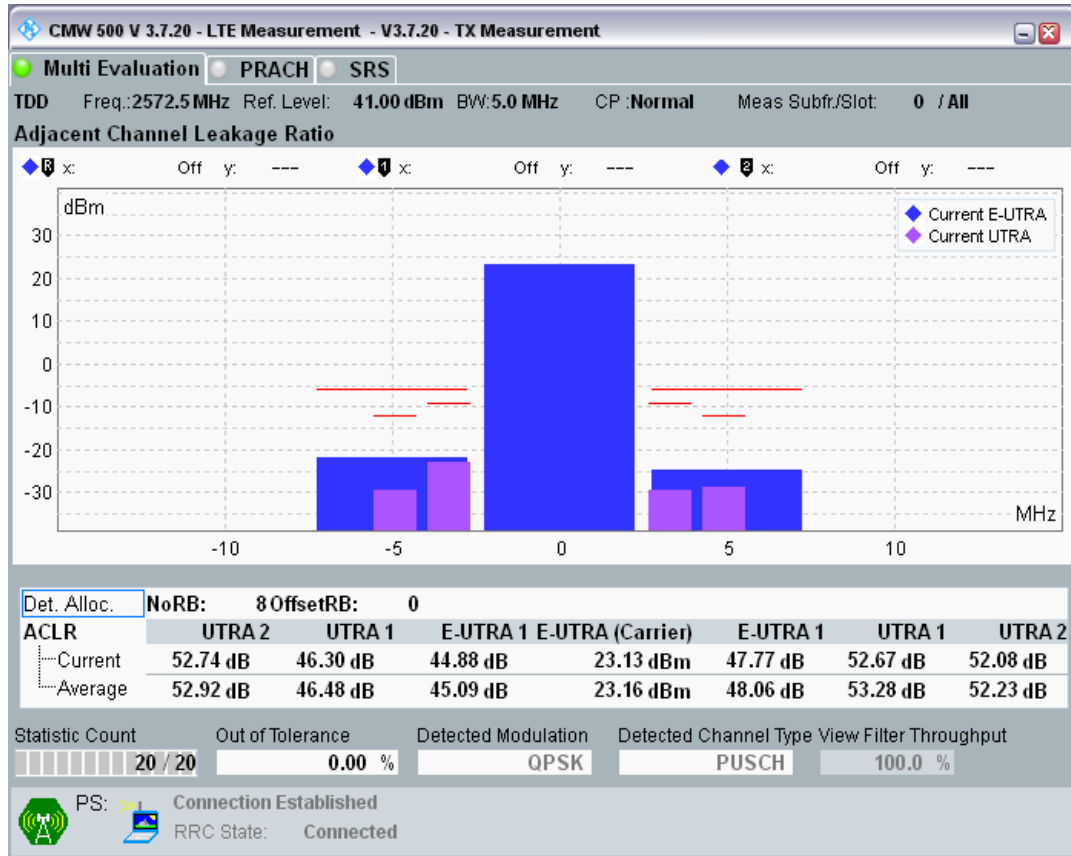
Band38	20	37850	100	#0	16QAM	EUTRA	0.00	0	PASS
Band38	20	37850	100	#0	16QAM	E-ACLR+	42.45	29.2	PASS
Band38	20	37850	100	#0	16QAM	U-ACLR+	51.98	32.2	PASS
Band38	20	37850	100	#0	16QAM	U-ACLR2+	52.72	35.2	PASS
Band38	20	38000	18	#0	QPSK	U-ACLR2-	50.52	35.2	PASS
Band38	20	38000	18	#0	QPSK	U-ACLR1-	48.17	32.2	PASS
Band38	20	38000	18	#0	QPSK	E-ACLR-	43.55	29.2	PASS
Band38	20	38000	18	#0	QPSK	EUTRA	0.00	0	PASS
Band38	20	38000	18	#0	QPSK	E-ACLR+	45.24	29.2	PASS
Band38	20	38000	18	#0	QPSK	U-ACLR+	57.95	32.2	PASS
Band38	20	38000	18	#0	QPSK	U-ACLR2+	58.03	35.2	PASS
Band38	20	38000	18	#Max	QPSK	U-ACLR2-	57.73	35.2	PASS
Band38	20	38000	18	#Max	QPSK	U-ACLR1-	57.65	32.2	PASS
Band38	20	38000	18	#Max	QPSK	E-ACLR-	45.75	29.2	PASS
Band38	20	38000	18	#Max	QPSK	EUTRA	0.00	0	PASS
Band38	20	38000	18	#Max	QPSK	E-ACLR+	42.77	29.2	PASS
Band38	20	38000	18	#Max	QPSK	U-ACLR+	46.26	32.2	PASS
Band38	20	38000	18	#Max	QPSK	U-ACLR2+	49.41	35.2	PASS
Band38	20	38000	100	#0	QPSK	U-ACLR2-	53.72	35.2	PASS
Band38	20	38000	100	#0	QPSK	U-ACLR1-	52.53	32.2	PASS
Band38	20	38000	100	#0	QPSK	E-ACLR-	43.19	29.2	PASS
Band38	20	38000	100	#0	QPSK	EUTRA	0.00	0	PASS
Band38	20	38000	100	#0	QPSK	E-ACLR+	41.78	29.2	PASS
Band38	20	38000	100	#0	QPSK	U-ACLR+	52.09	32.2	PASS
Band38	20	38000	100	#0	QPSK	U-ACLR2+	52.57	35.2	PASS
Band38	20	38000	18	#0	16QAM	U-ACLR2-	51.35	35.2	PASS
Band38	20	38000	18	#0	16QAM	U-ACLR1-	48.47	32.2	PASS
Band38	20	38000	18	#0	16QAM	E-ACLR-	43.50	29.2	PASS
Band38	20	38000	18	#0	16QAM	EUTRA	0.00	0	PASS
Band38	20	38000	18	#0	16QAM	E-ACLR+	44.73	29.2	PASS
Band38	20	38000	18	#0	16QAM	U-ACLR+	57.00	32.2	PASS
Band38	20	38000	18	#0	16QAM	U-ACLR2+	57.18	35.2	PASS
Band38	20	38000	18	#Max	16QAM	U-ACLR2-	56.84	35.2	PASS
Band38	20	38000	18	#Max	16QAM	U-ACLR1-	56.87	32.2	PASS
Band38	20	38000	18	#Max	16QAM	E-ACLR-	45.08	29.2	PASS
Band38	20	38000	18	#Max	16QAM	EUTRA	0.00	0	PASS
Band38	20	38000	18	#Max	16QAM	E-ACLR+	43.28	29.2	PASS
Band38	20	38000	18	#Max	16QAM	U-ACLR+	47.13	32.2	PASS
Band38	20	38000	18	#Max	16QAM	U-ACLR2+	50.35	35.2	PASS
Band38	20	38000	100	#0	16QAM	U-ACLR2-	53.29	35.2	PASS
Band38	20	38000	100	#0	16QAM	U-ACLR1-	51.90	32.2	PASS
Band38	20	38000	100	#0	16QAM	E-ACLR-	42.77	29.2	PASS



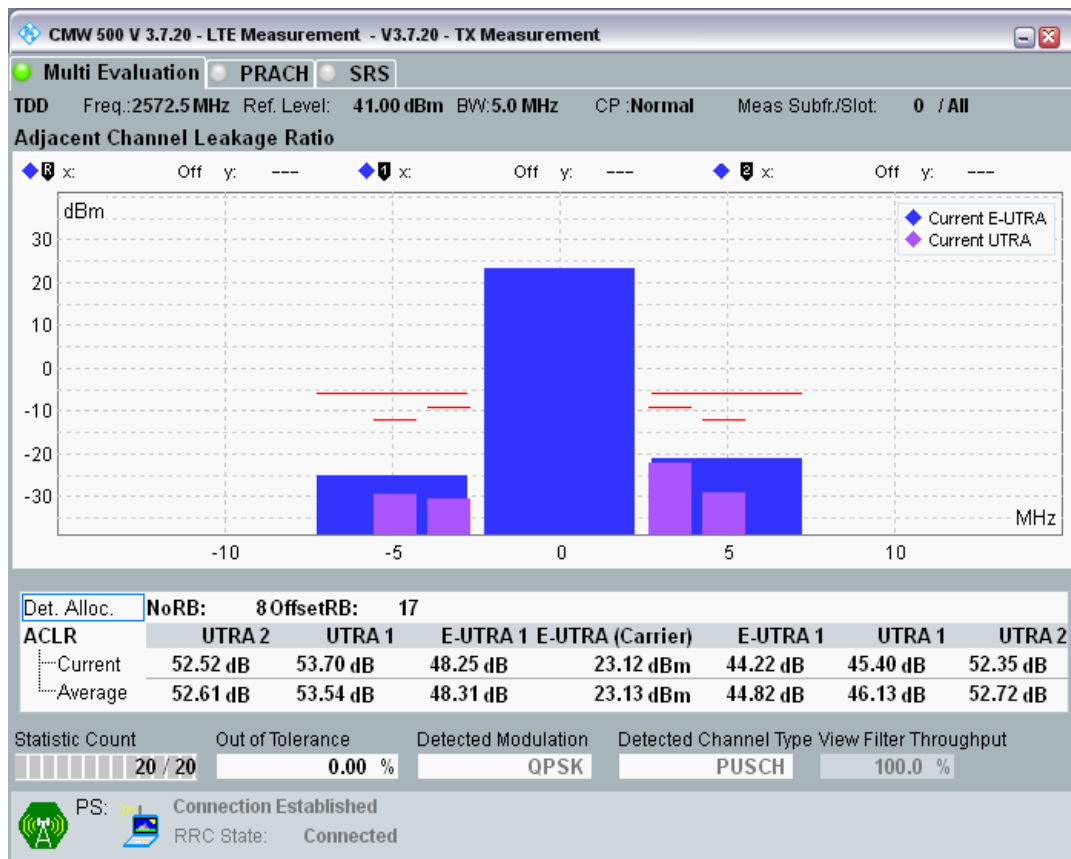
Band38	20	38000	100	#0	16QAM	EUTRA	0.00	0	PASS
Band38	20	38000	100	#0	16QAM	E-ACLR+	41.66	29.2	PASS
Band38	20	38000	100	#0	16QAM	U-ACLR+	51.41	32.2	PASS
Band38	20	38000	100	#0	16QAM	U-ACLR2+	52.23	35.2	PASS
Band38	20	38150	18	#0	QPSK	U-ACLR2-	49.86	35.2	PASS
Band38	20	38150	18	#0	QPSK	U-ACLR1-	47.64	32.2	PASS
Band38	20	38150	18	#0	QPSK	E-ACLR-	43.15	29.2	PASS
Band38	20	38150	18	#0	QPSK	EUTRA	0.00	0	PASS
Band38	20	38150	18	#0	QPSK	E-ACLR+	45.20	29.2	PASS
Band38	20	38150	18	#0	QPSK	U-ACLR+	58.05	32.2	PASS
Band38	20	38150	18	#0	QPSK	U-ACLR2+	58.22	35.2	PASS
Band38	20	38150	18	#Max	QPSK	U-ACLR2-	57.72	35.2	PASS
Band38	20	38150	18	#Max	QPSK	U-ACLR1-	57.62	32.2	PASS
Band38	20	38150	18	#Max	QPSK	E-ACLR-	45.69	29.2	PASS
Band38	20	38150	18	#Max	QPSK	EUTRA	0.00	0	PASS
Band38	20	38150	18	#Max	QPSK	E-ACLR+	42.67	29.2	PASS
Band38	20	38150	18	#Max	QPSK	U-ACLR+	46.21	32.2	PASS
Band38	20	38150	18	#Max	QPSK	U-ACLR2+	49.04	35.2	PASS
Band38	20	38150	100	#0	QPSK	U-ACLR2-	53.56	35.2	PASS
Band38	20	38150	100	#0	QPSK	U-ACLR1-	52.23	32.2	PASS
Band38	20	38150	100	#0	QPSK	E-ACLR-	42.84	29.2	PASS
Band38	20	38150	100	#0	QPSK	EUTRA	0.00	0	PASS
Band38	20	38150	100	#0	QPSK	E-ACLR+	41.45	29.2	PASS
Band38	20	38150	100	#0	QPSK	U-ACLR+	51.73	32.2	PASS
Band38	20	38150	100	#0	QPSK	U-ACLR2+	52.12	35.2	PASS
Band38	20	38150	18	#0	16QAM	U-ACLR2-	50.08	35.2	PASS
Band38	20	38150	18	#0	16QAM	U-ACLR1-	46.81	32.2	PASS
Band38	20	38150	18	#0	16QAM	E-ACLR-	42.98	29.2	PASS
Band38	20	38150	18	#0	16QAM	EUTRA	0.00	0	PASS
Band38	20	38150	18	#0	16QAM	E-ACLR+	44.76	29.2	PASS
Band38	20	38150	18	#0	16QAM	U-ACLR+	57.09	32.2	PASS
Band38	20	38150	18	#0	16QAM	U-ACLR2+	57.17	35.2	PASS
Band38	20	38150	18	#Max	16QAM	U-ACLR2-	56.76	35.2	PASS
Band38	20	38150	18	#Max	16QAM	U-ACLR1-	56.72	32.2	PASS
Band38	20	38150	18	#Max	16QAM	E-ACLR-	44.96	29.2	PASS
Band38	20	38150	18	#Max	16QAM	EUTRA	0.00	0	PASS
Band38	20	38150	18	#Max	16QAM	E-ACLR+	42.76	29.2	PASS
Band38	20	38150	18	#Max	16QAM	U-ACLR+	45.91	32.2	PASS
Band38	20	38150	18	#Max	16QAM	U-ACLR2+	49.54	35.2	PASS
Band38	20	38150	100	#0	16QAM	U-ACLR2-	52.67	35.2	PASS
Band38	20	38150	100	#0	16QAM	U-ACLR1-	51.46	32.2	PASS
Band38	20	38150	100	#0	16QAM	E-ACLR-	42.22	29.2	PASS

Band38	20	38150	100	#0	16QAM	EUTRA	0.00	0	PASS
Band38	20	38150	100	#0	16QAM	E-ACLR+	41.33	29.2	PASS
Band38	20	38150	100	#0	16QAM	U-ACLR+	50.90	32.2	PASS
Band38	20	38150	100	#0	16QAM	U-ACLR2+	51.65	35.2	PASS

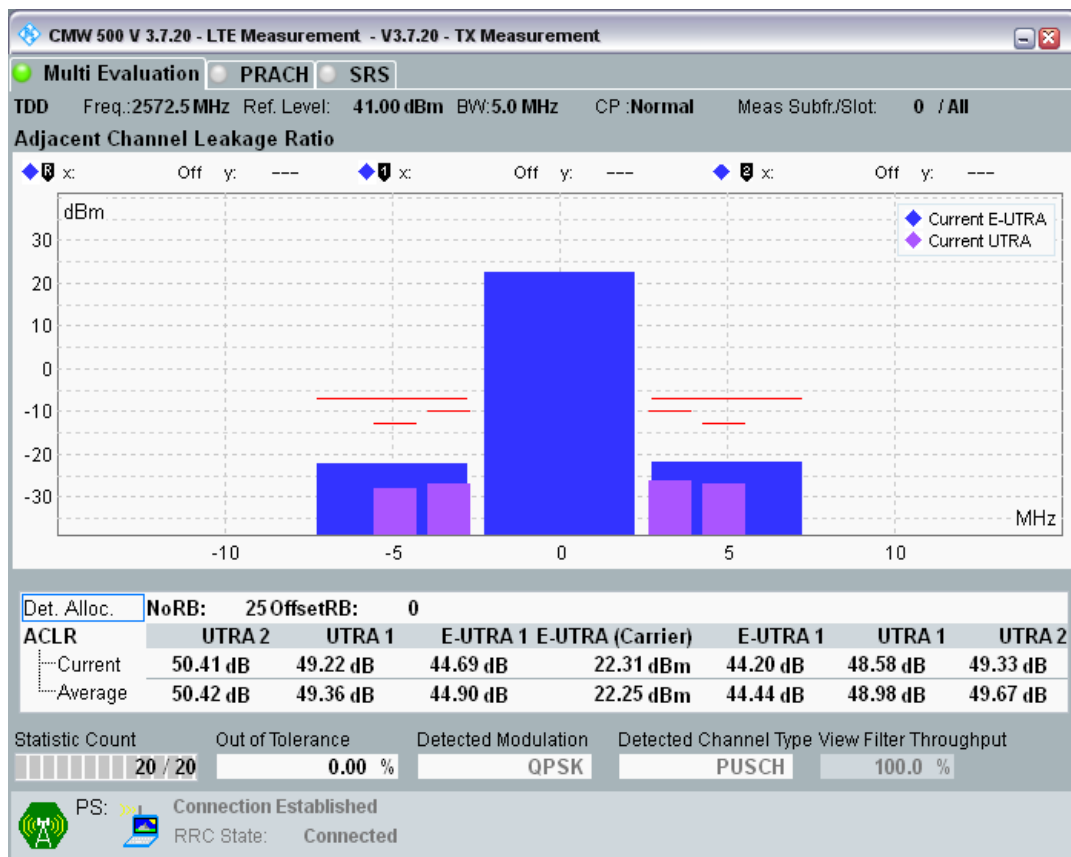
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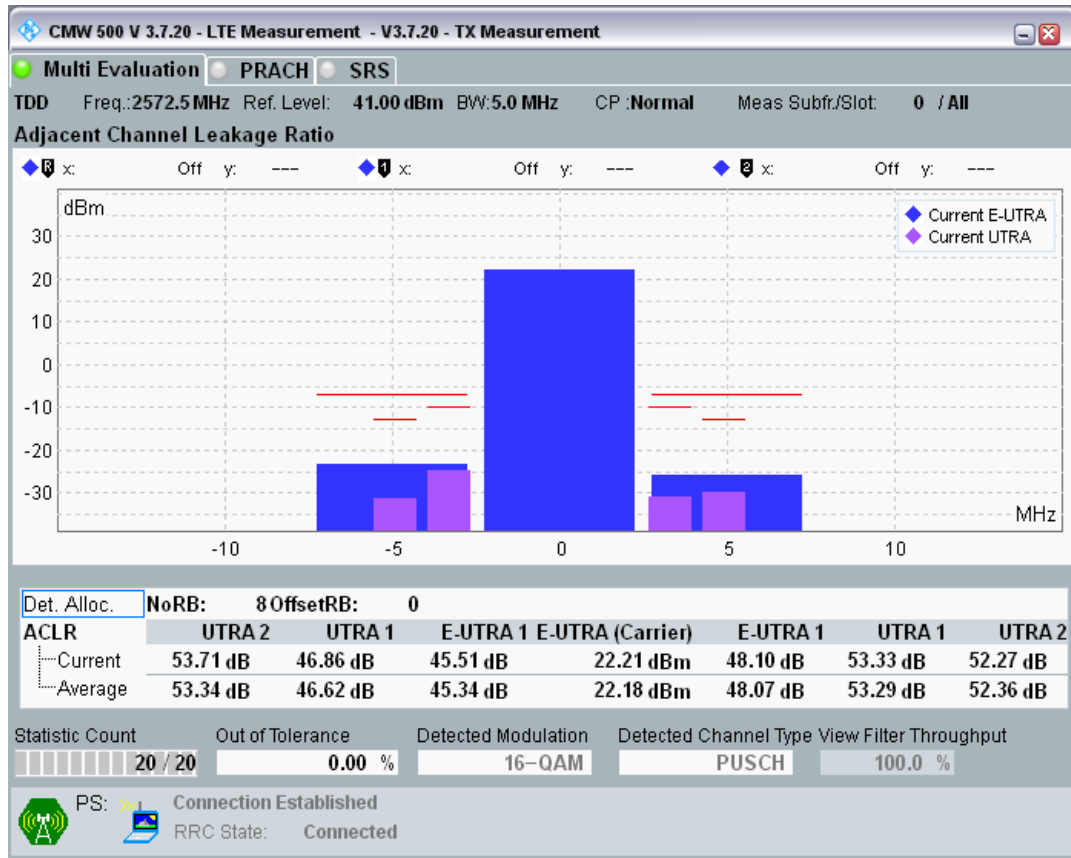
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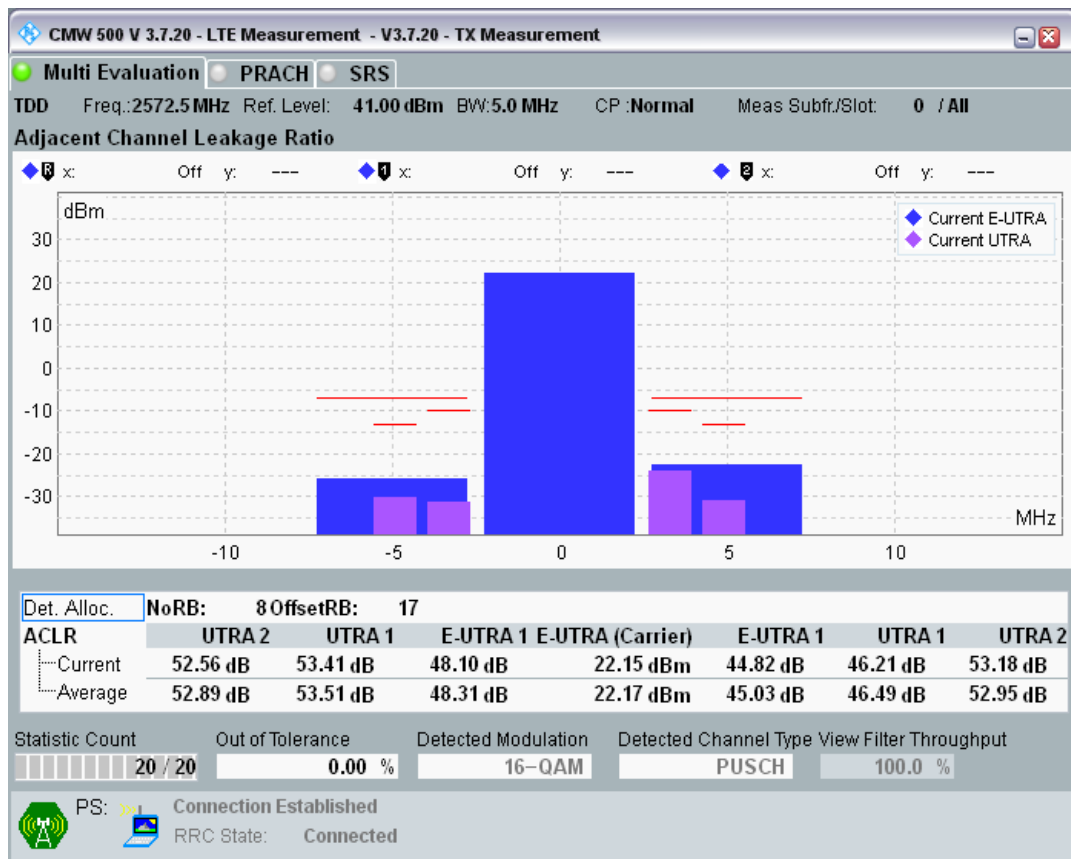
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



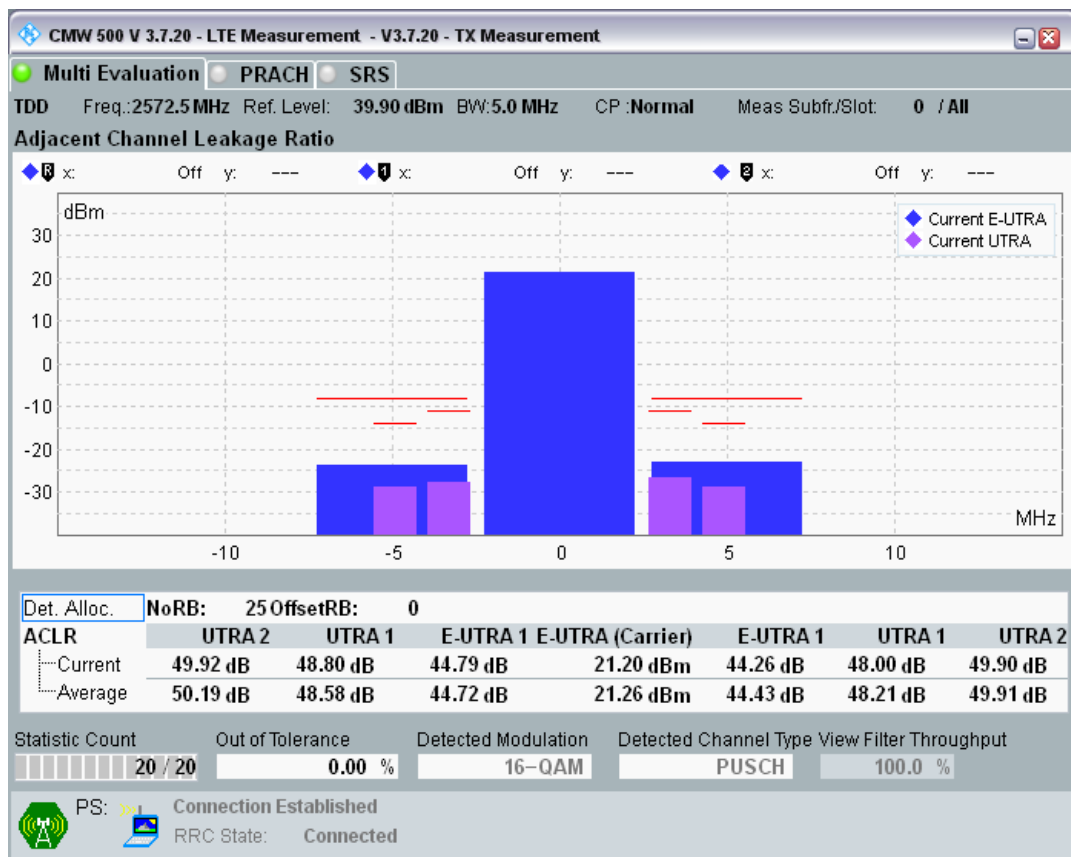
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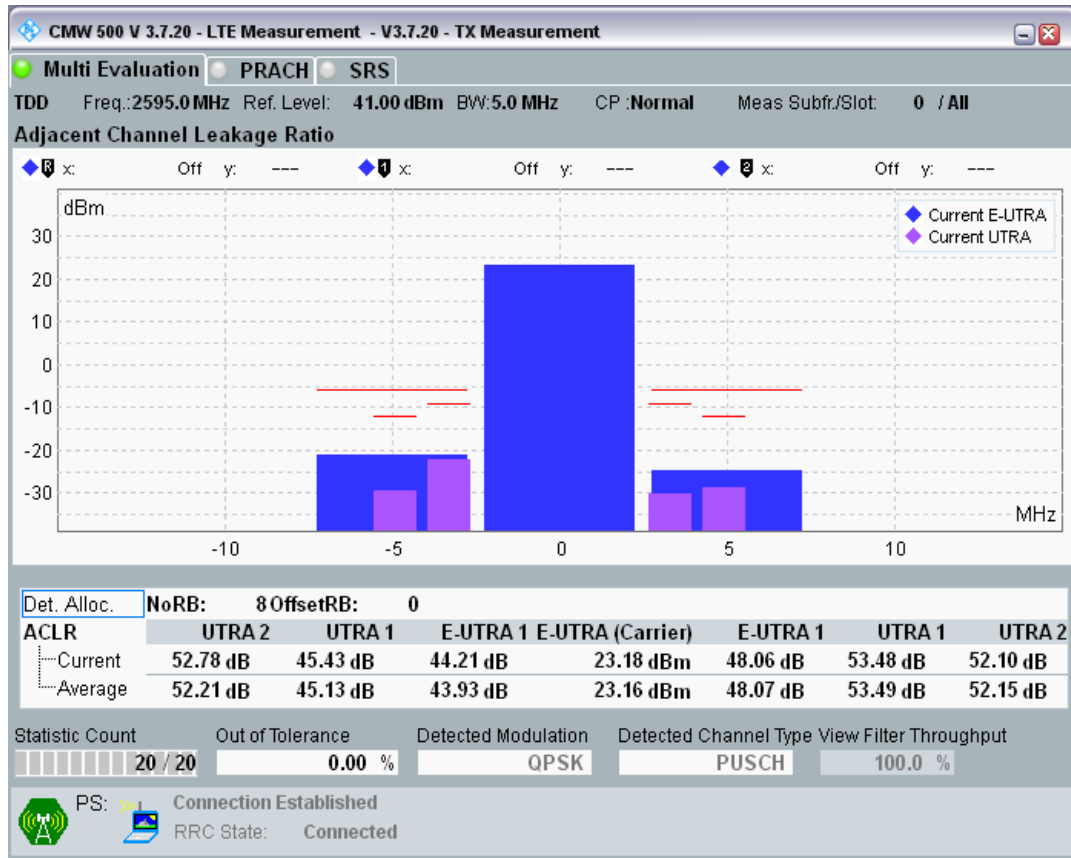
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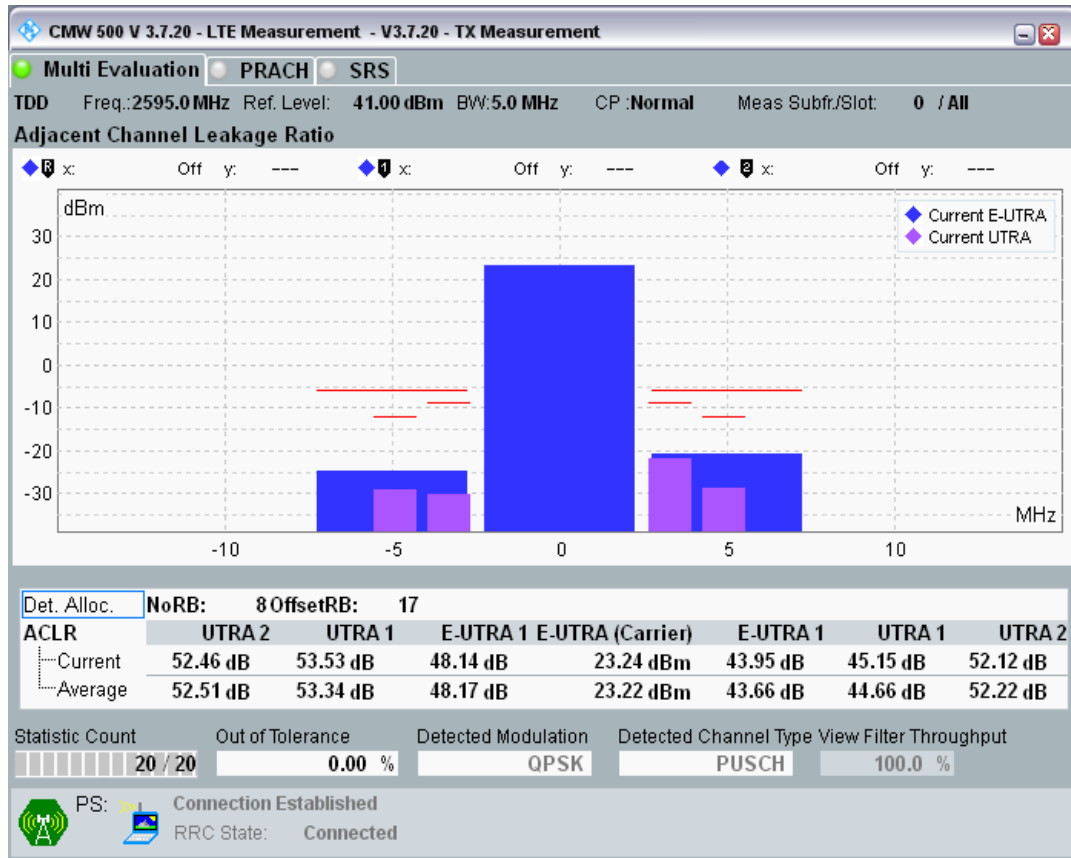
Band38 16QAM BW=5MHz Channel=37775 RB Size=25 Position=#0



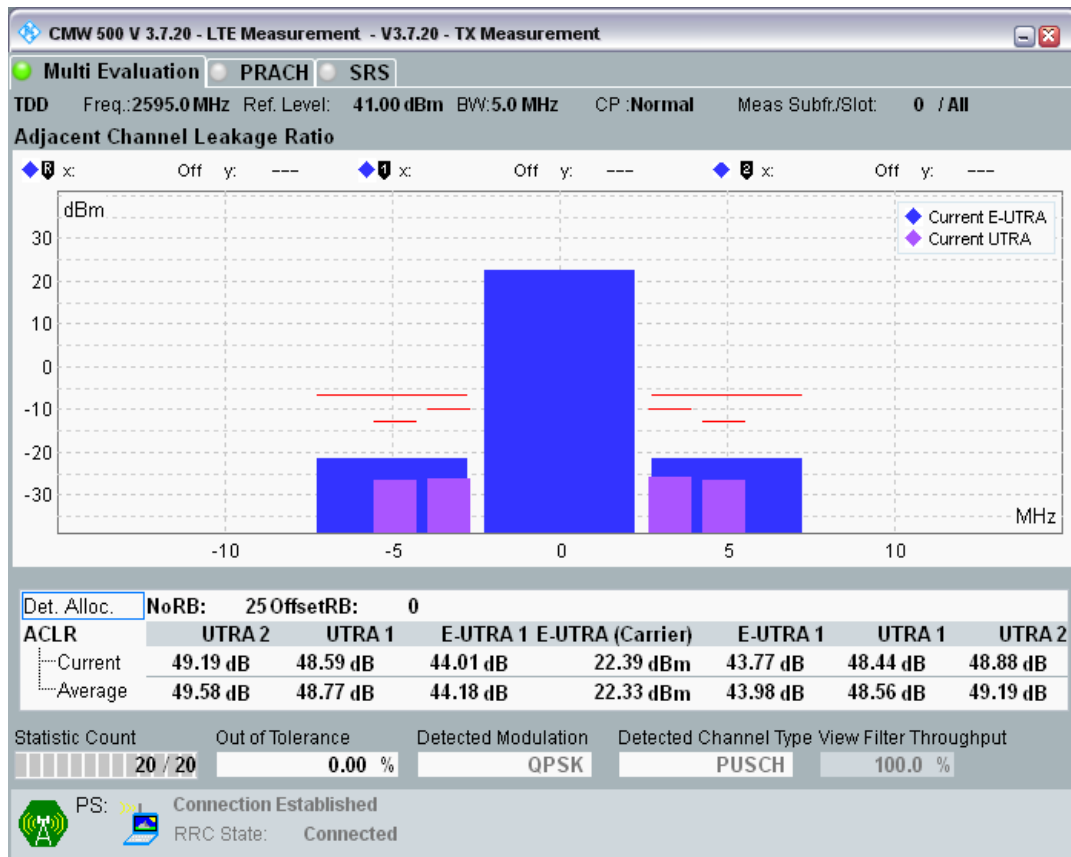
Band38 QPSK BW=5MHz Channel=38000 RB Size=8 Position=#0



Band38 QPSK BW=5MHz Channel=38000 RB Size=8 Position=#Max

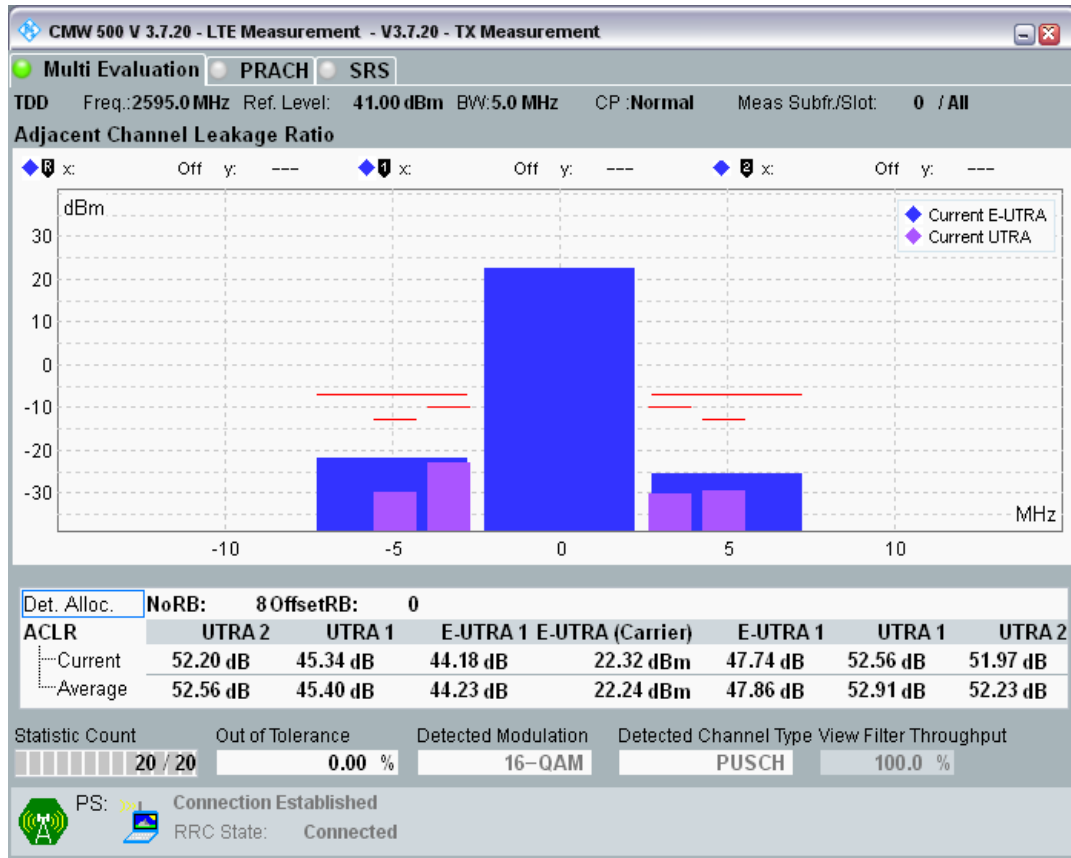


Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0

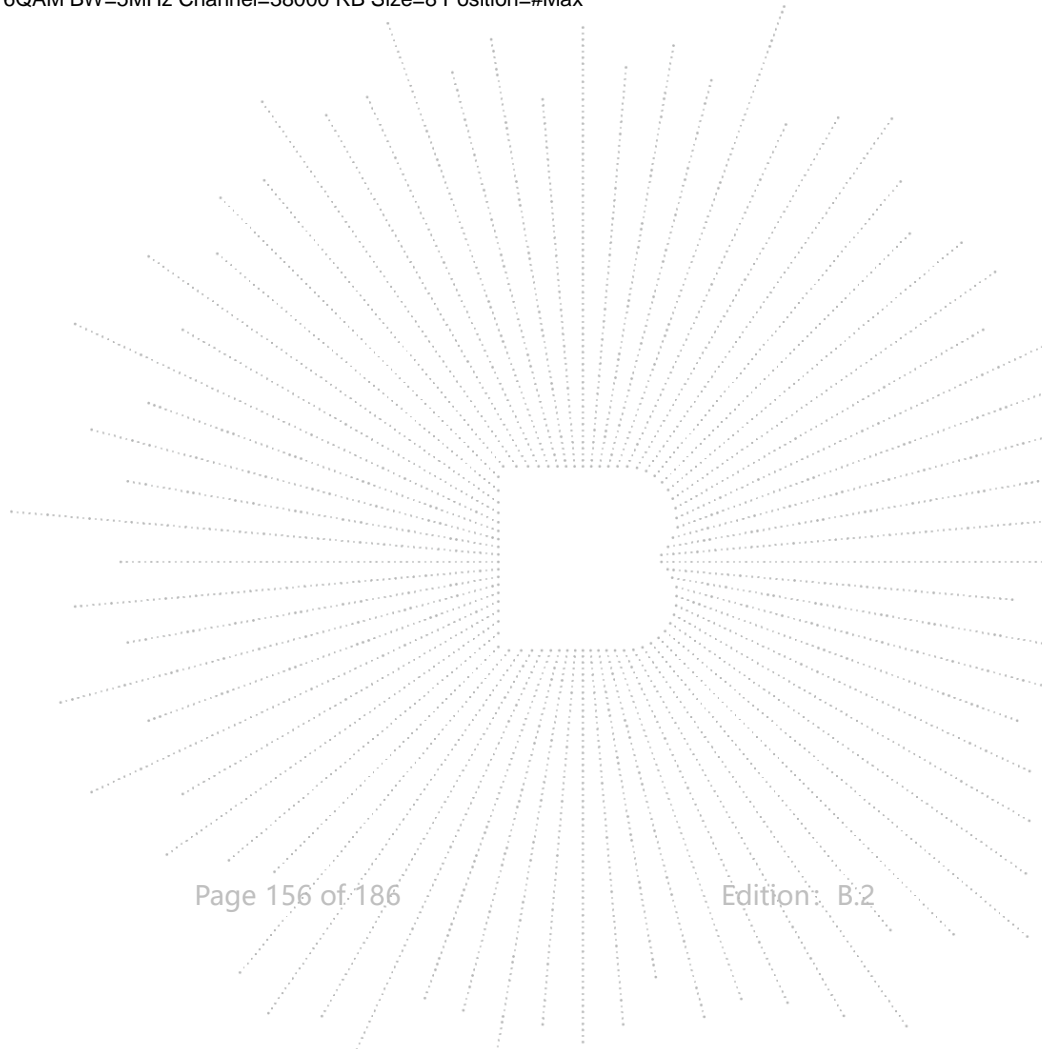


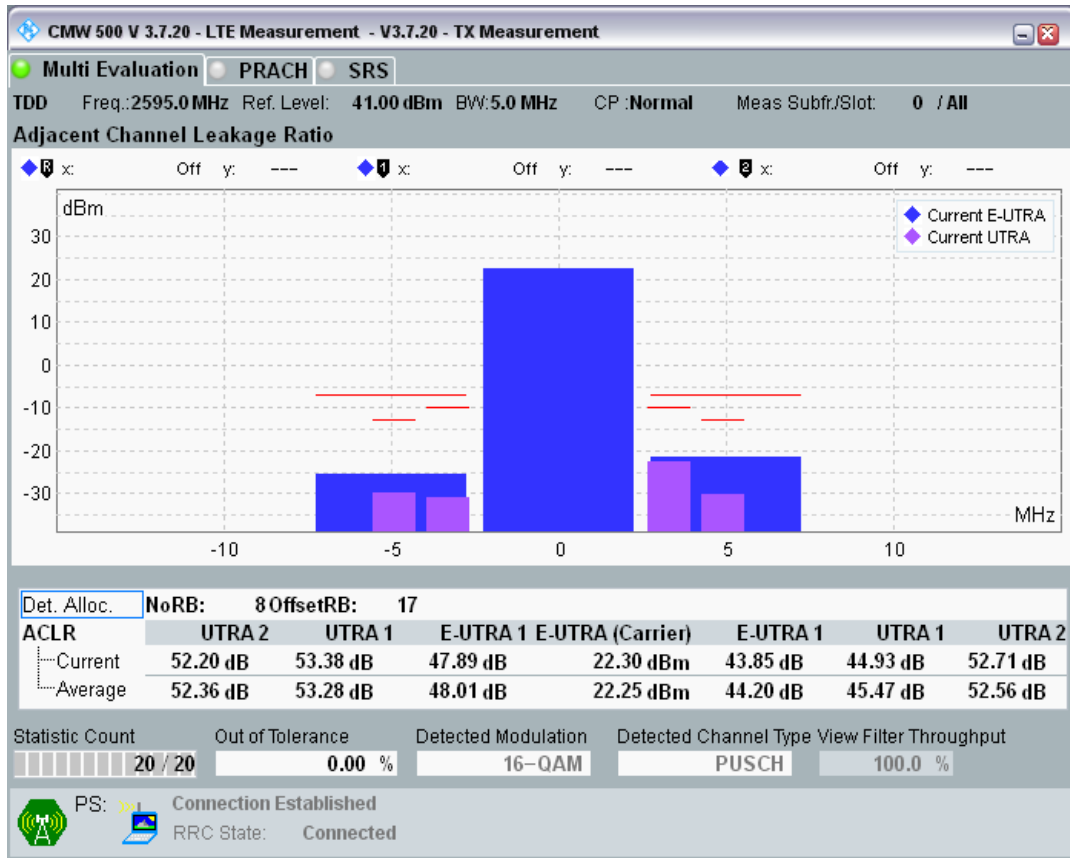


Band38 16QAM BW=5MHz Channel=38000 RB Size=8 Position=#0

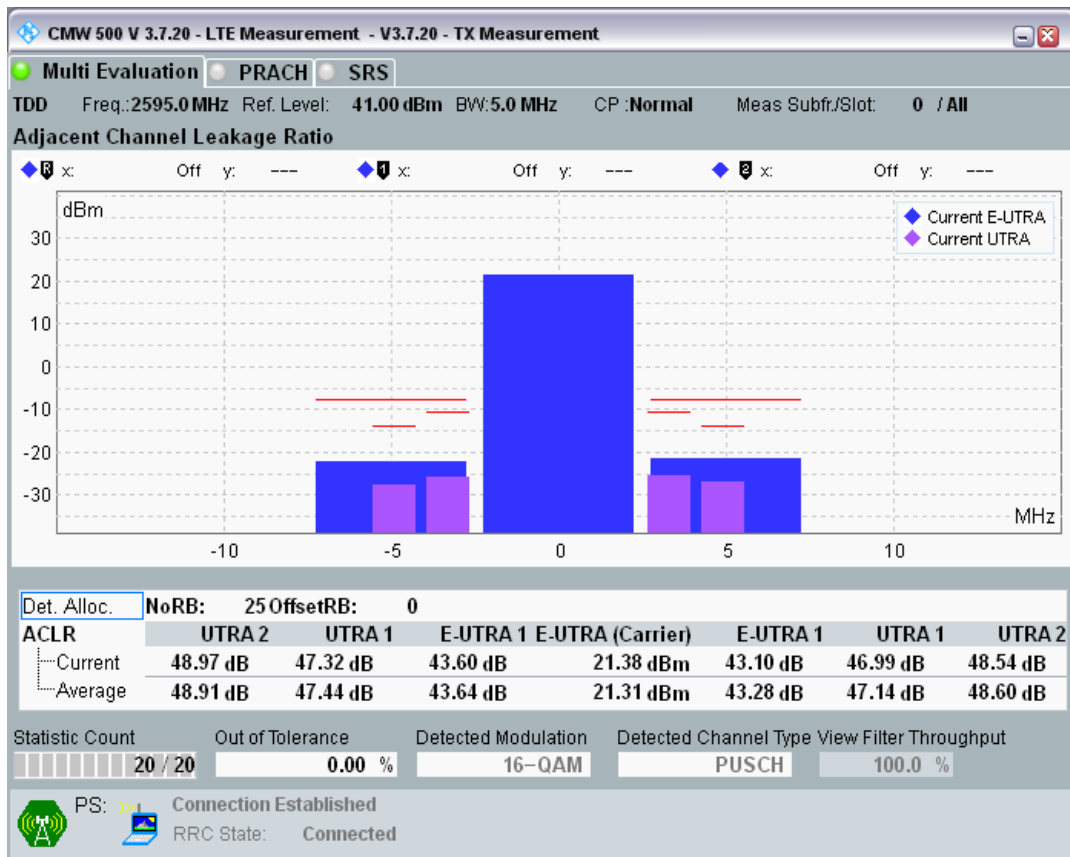


Band38 16QAM BW=5MHz Channel=38000 RB Size=8 Position=#Max

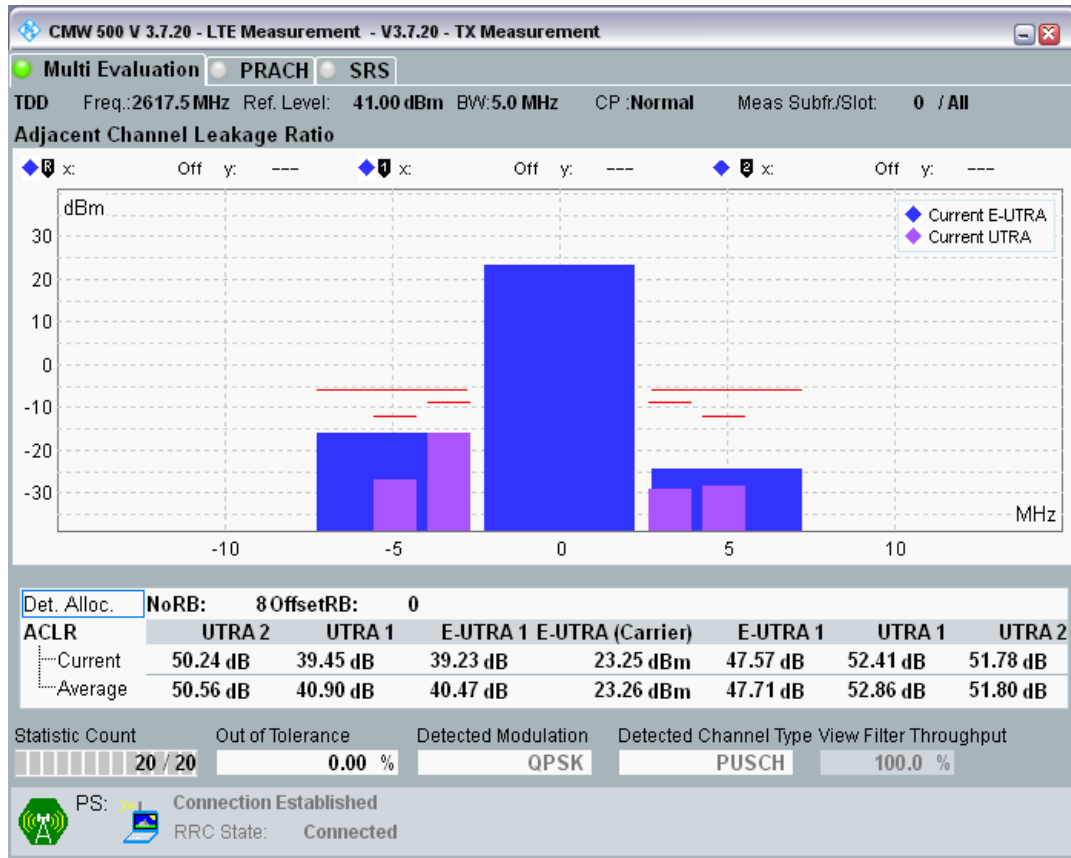




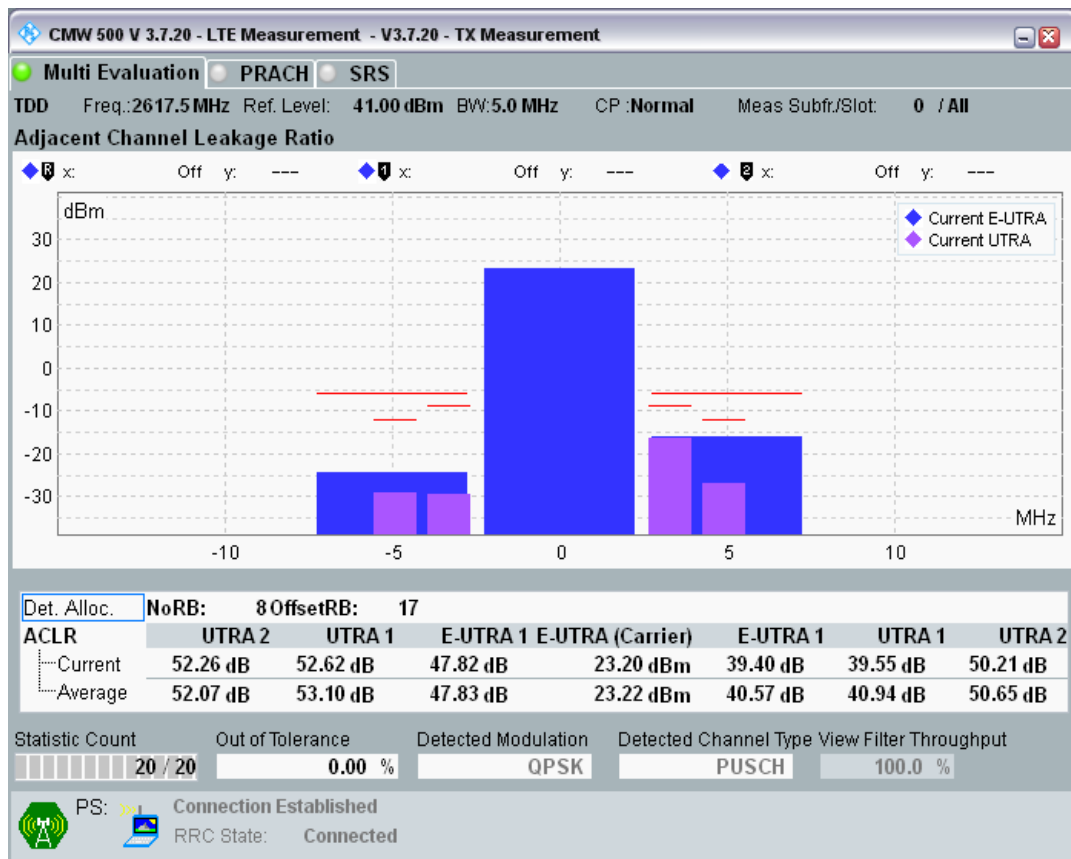
Band38 16QAM BW=5MHz Channel=38000 RB Size=25 Position=#0



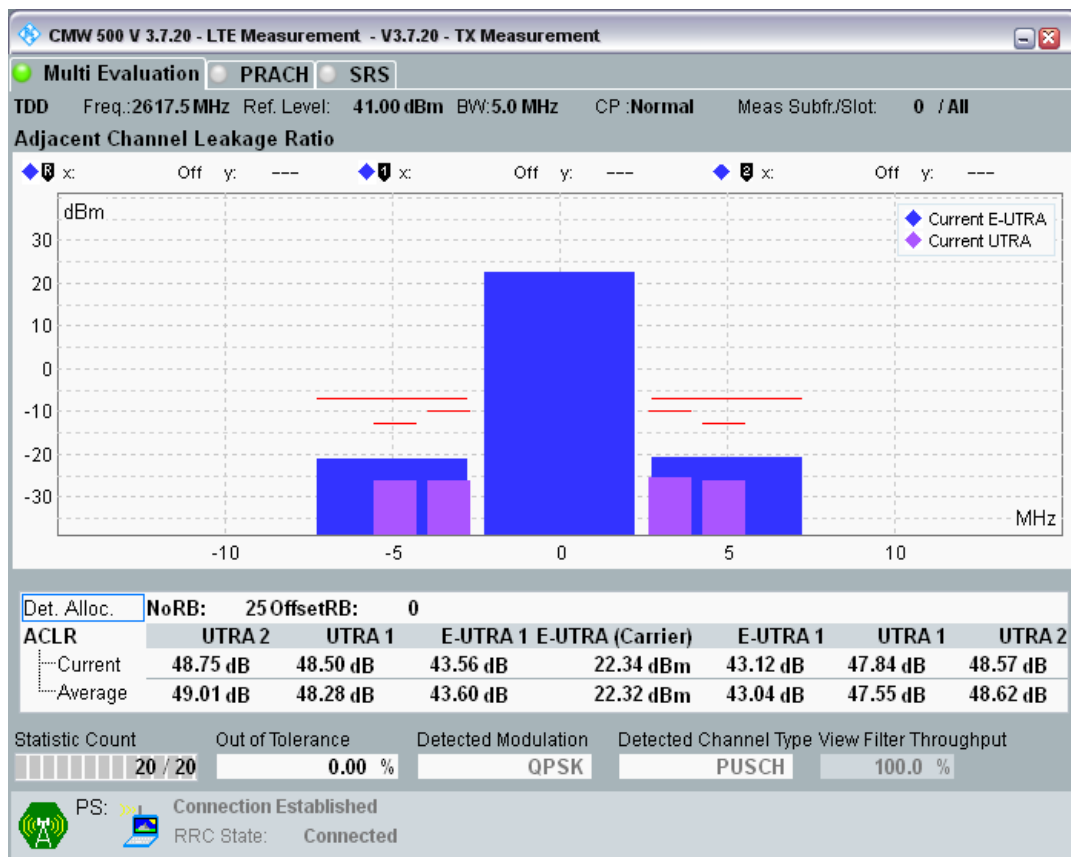
Band38 QPSK BW=5MHz Channel=38225 RB Size=8 Position=#0



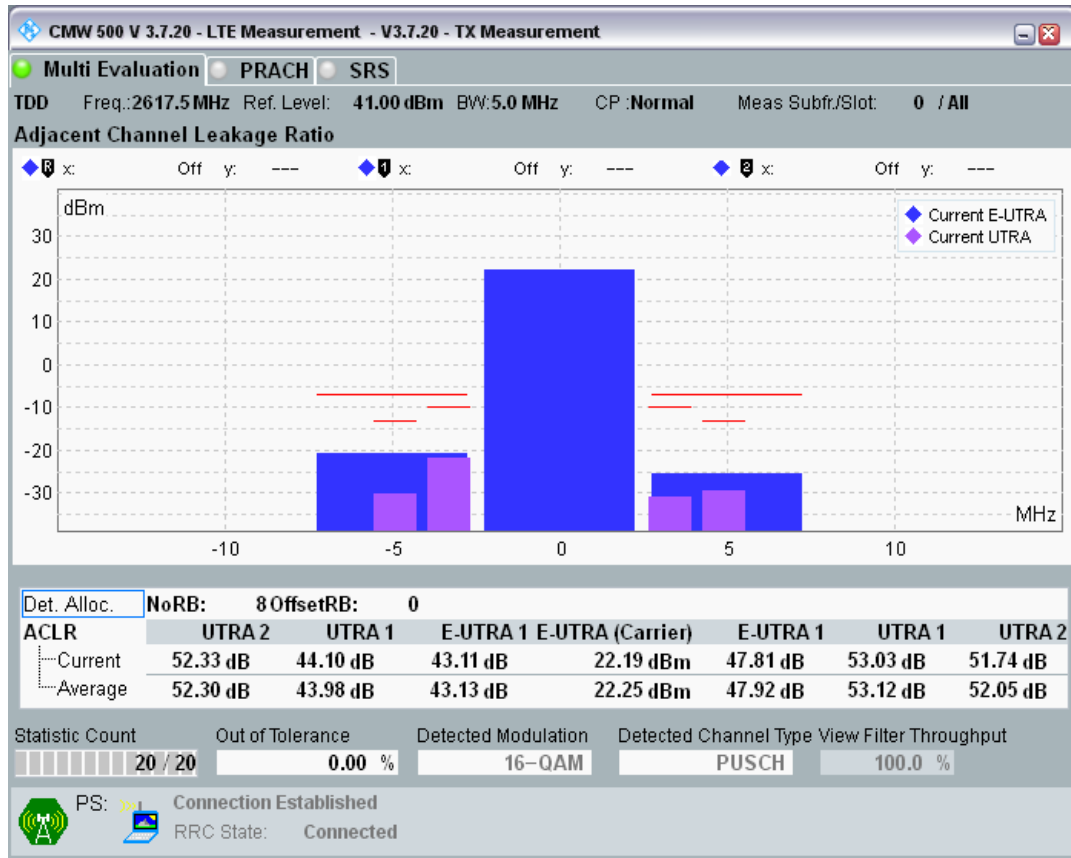
Band38 QPSK BW=5MHz Channel=38225 RB Size=8 Position=#Max



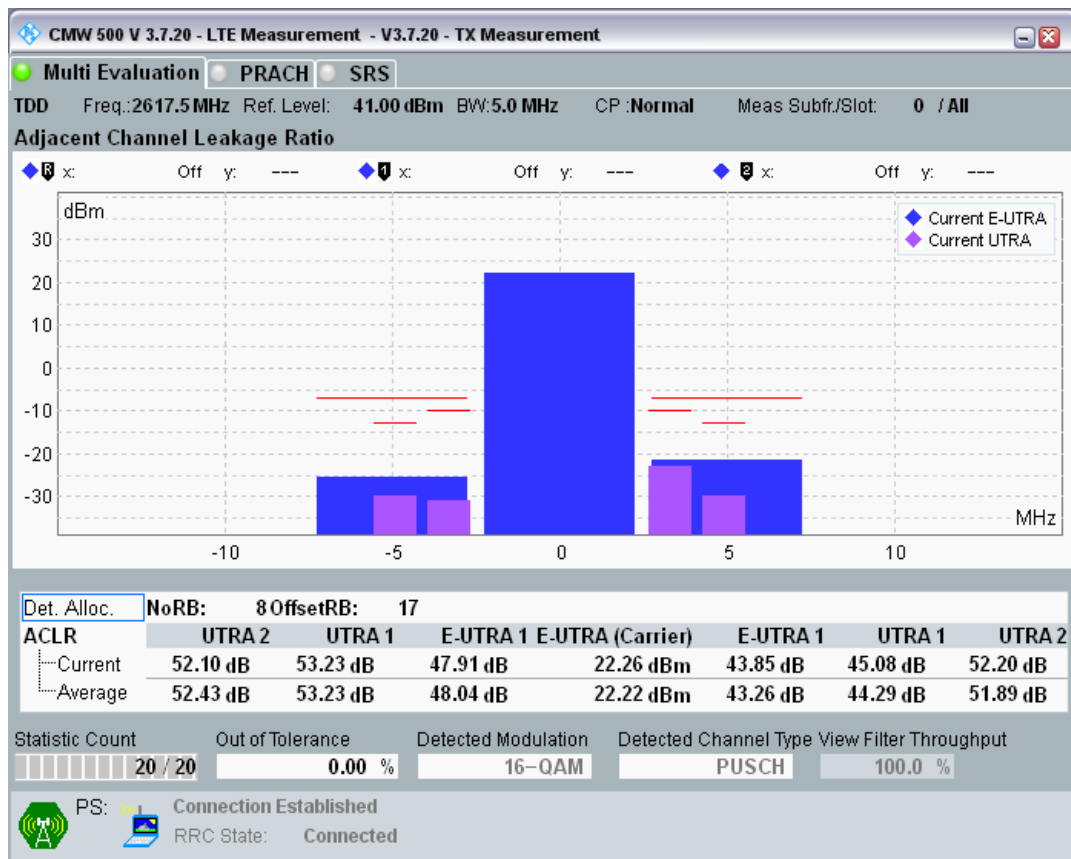
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



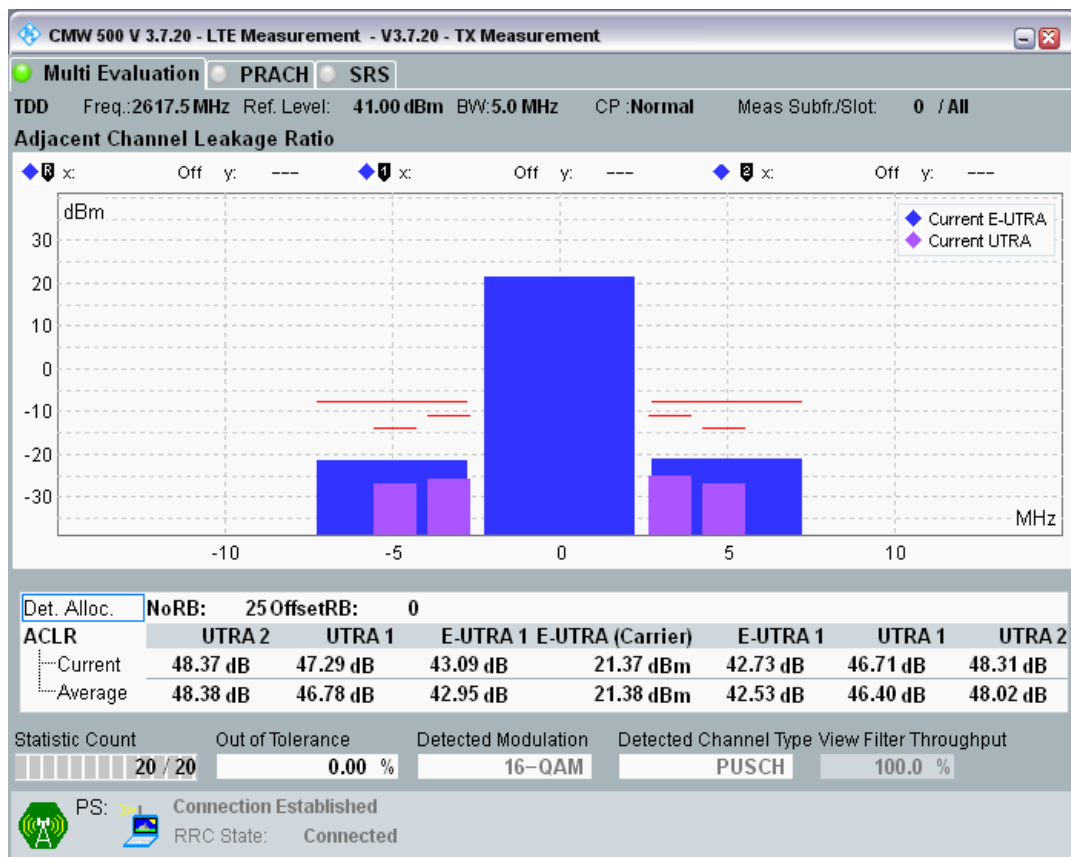
Band38 16QAM BW=5MHz Channel=38225 RB Size=8 Position=#0



Band38 16QAM BW=5MHz Channel=38225 RB Size=8 Position=#Max

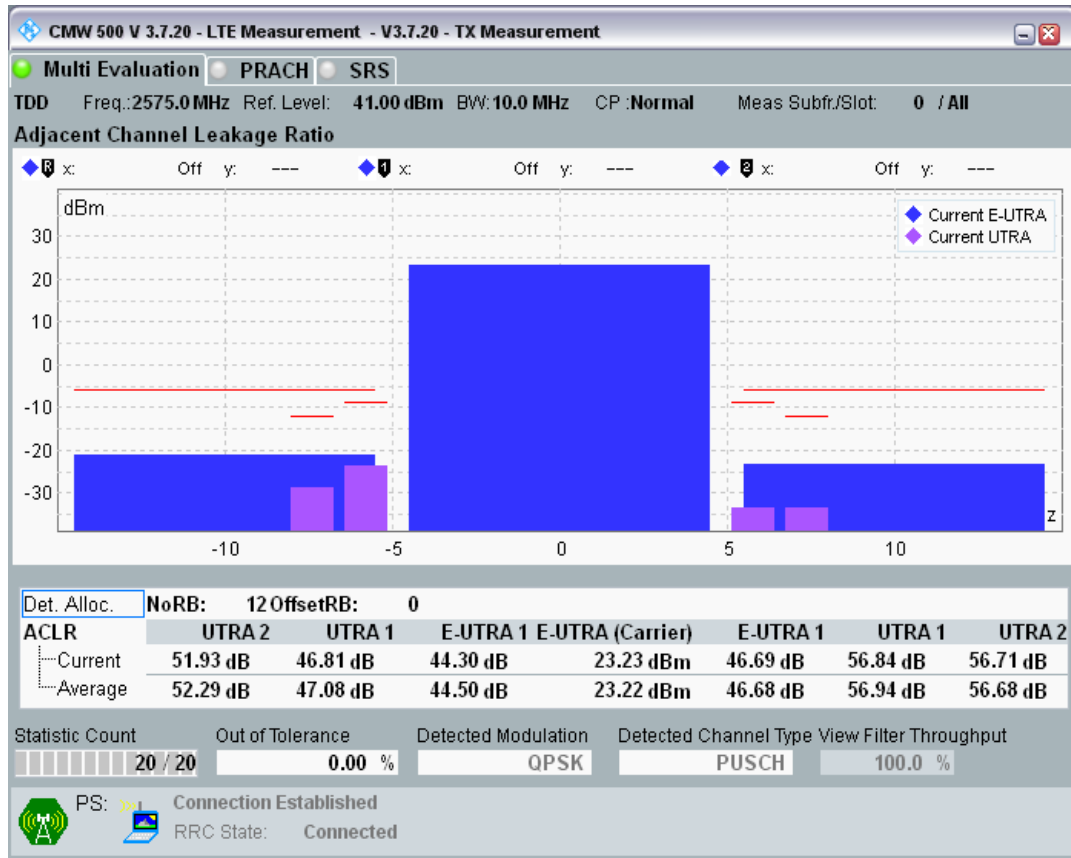


Band38 16QAM BW=5MHz Channel=38225 RB Size=25 Position=#0



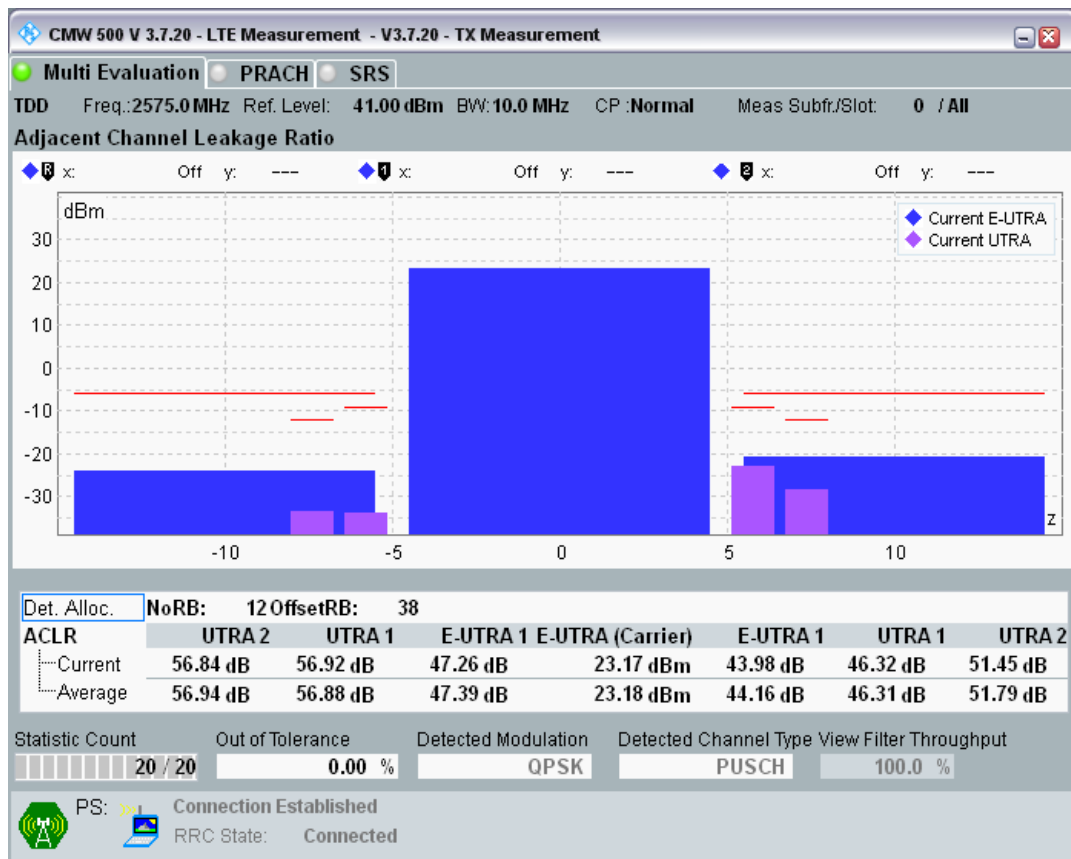


Band38 QPSK BW=10MHz Channel=37800 RB Size=12 Position=#0

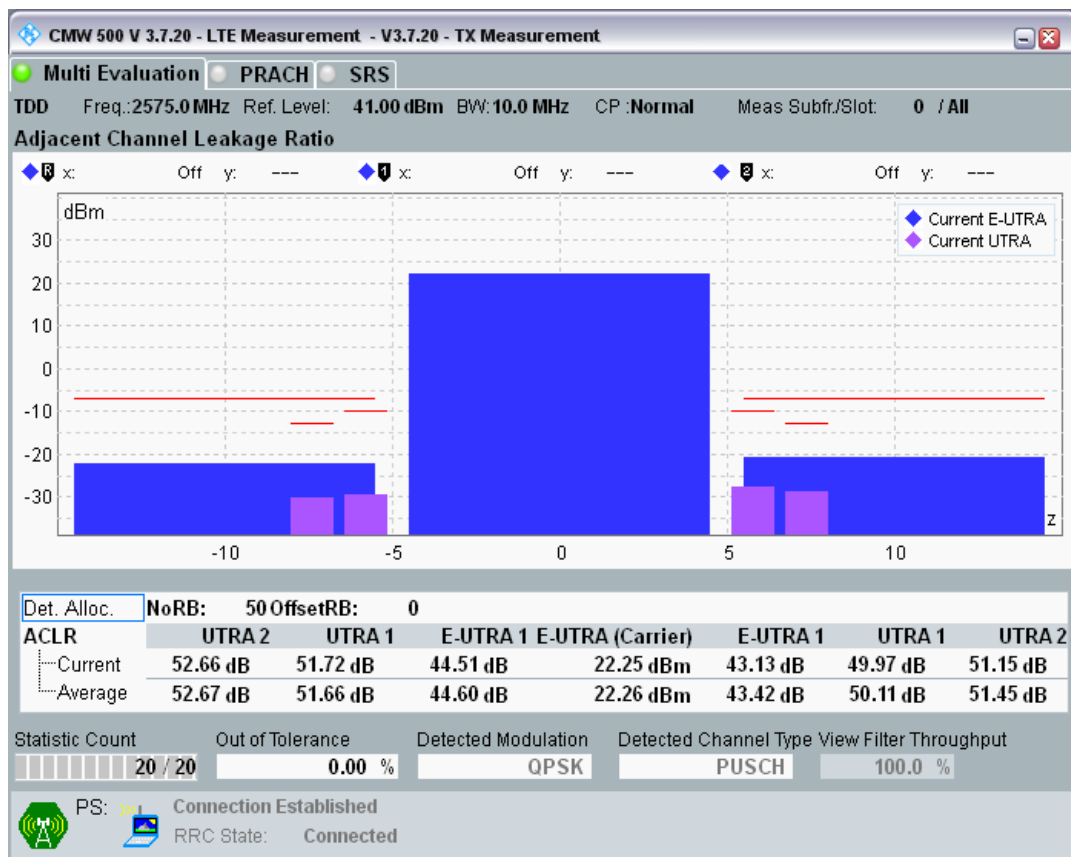


Band38 QPSK BW=10MHz Channel=37800 RB Size=12 Position=#Max



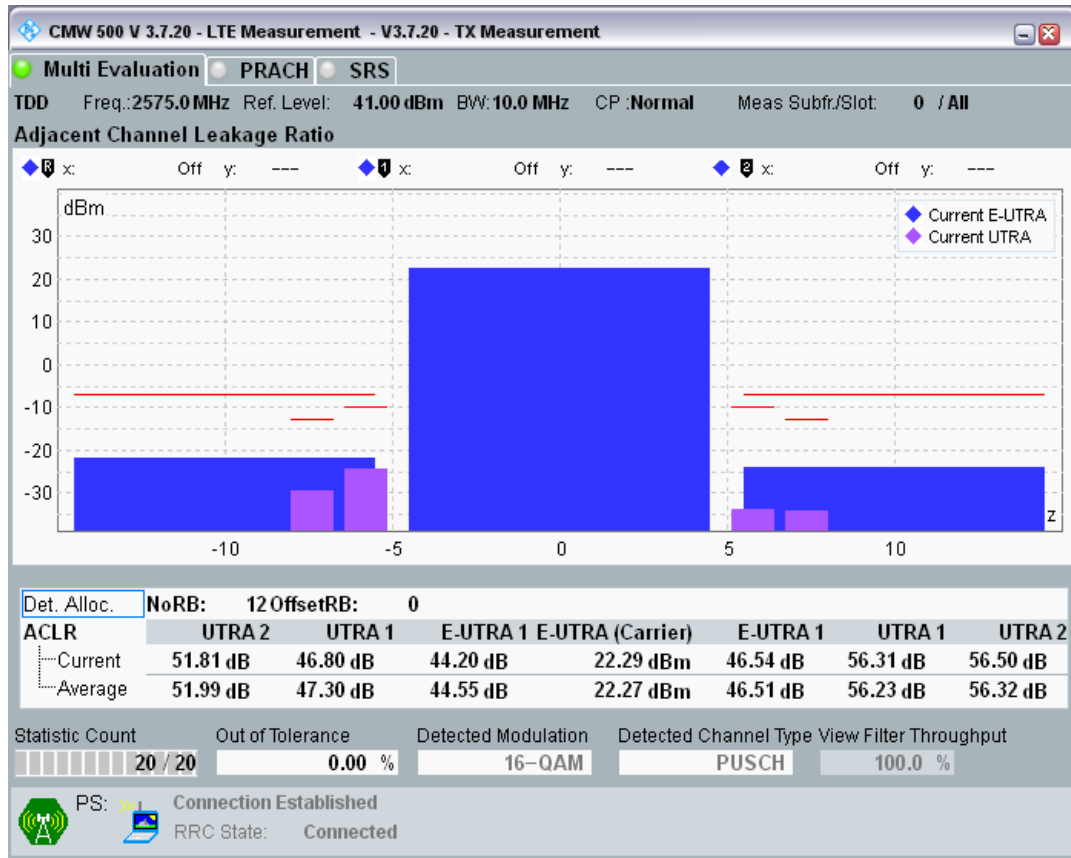


Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0

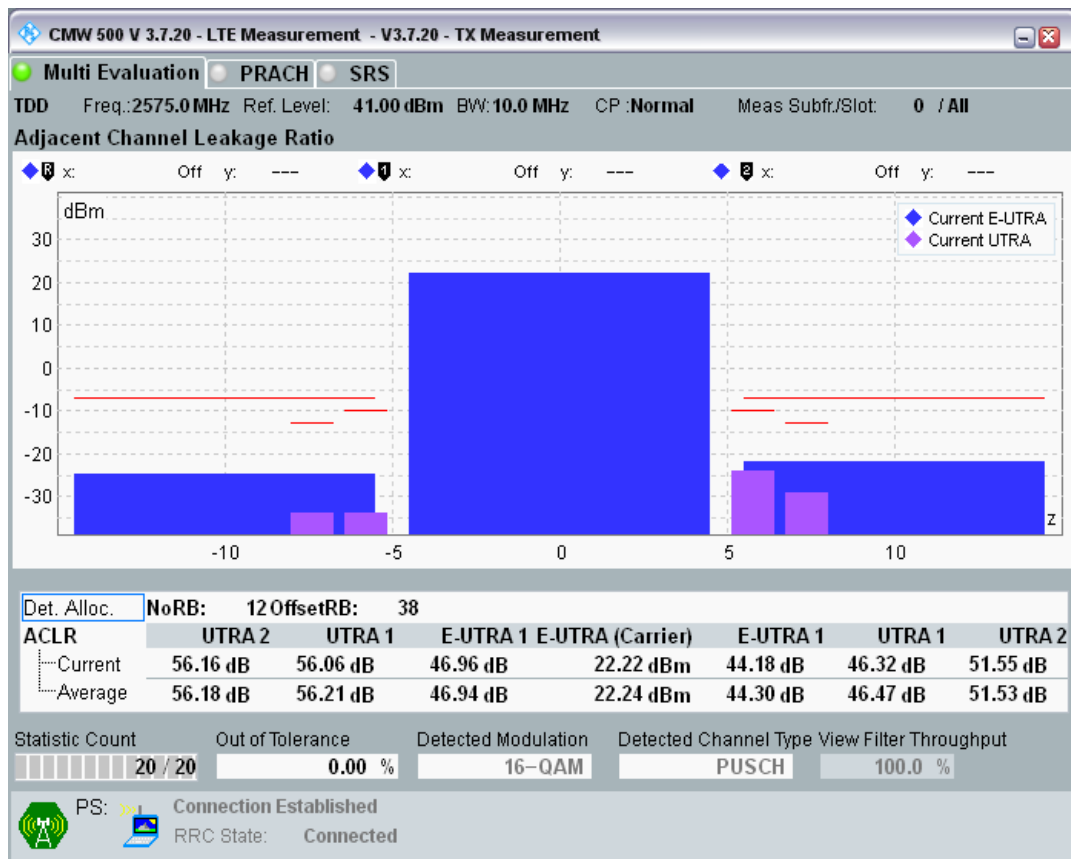




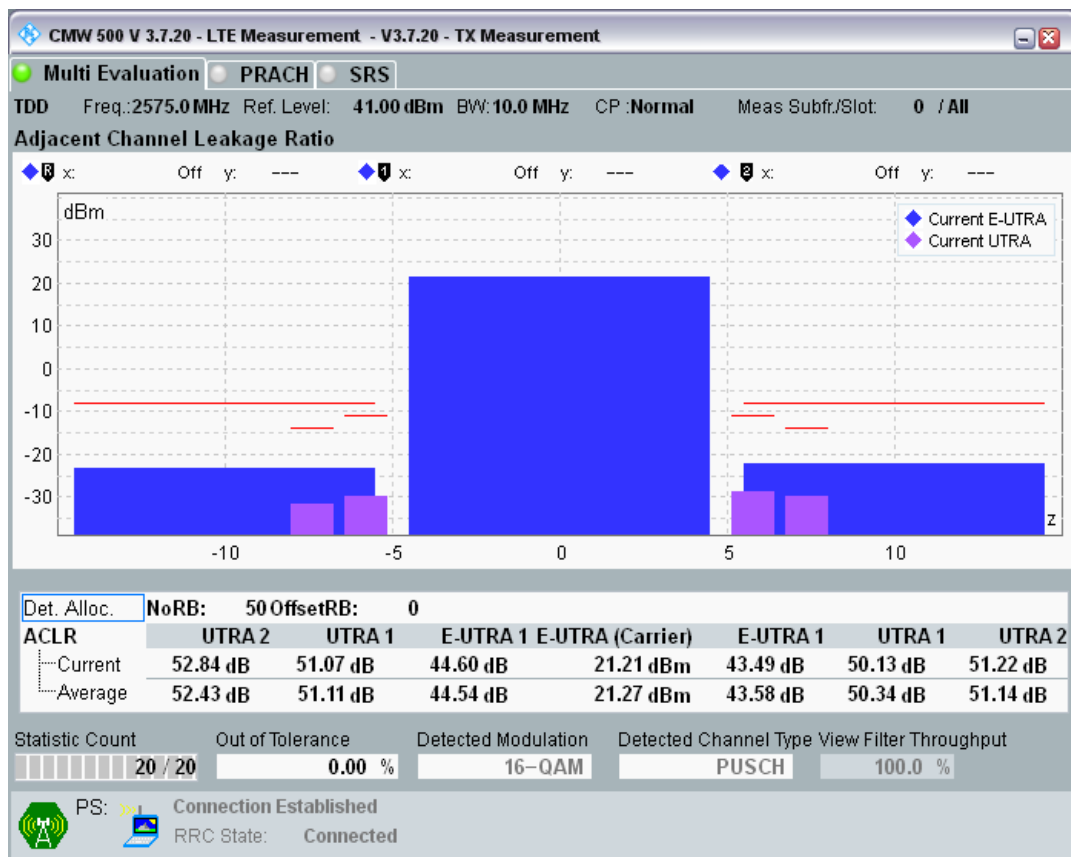
Band38 16QAM BW=10MHz Channel=37800 RB Size=12 Position=#0



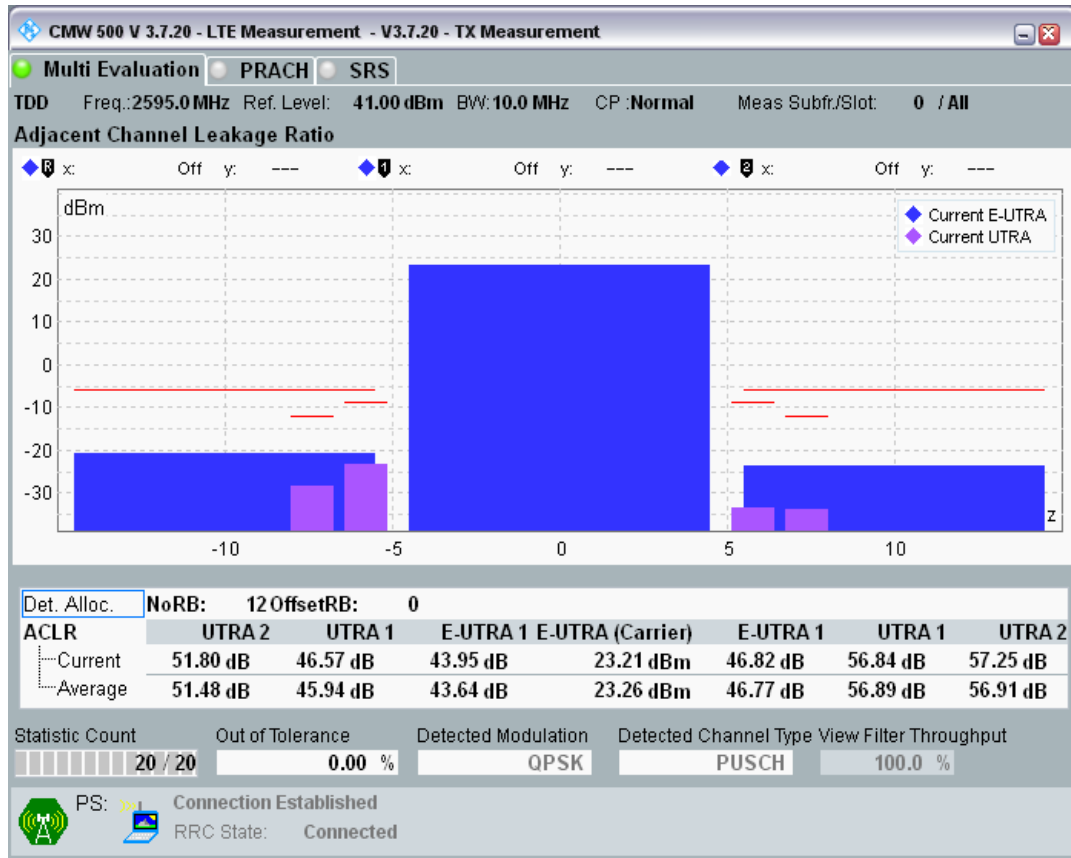
Band38 16QAM BW=10MHz Channel=37800 RB Size=12 Position=#Max



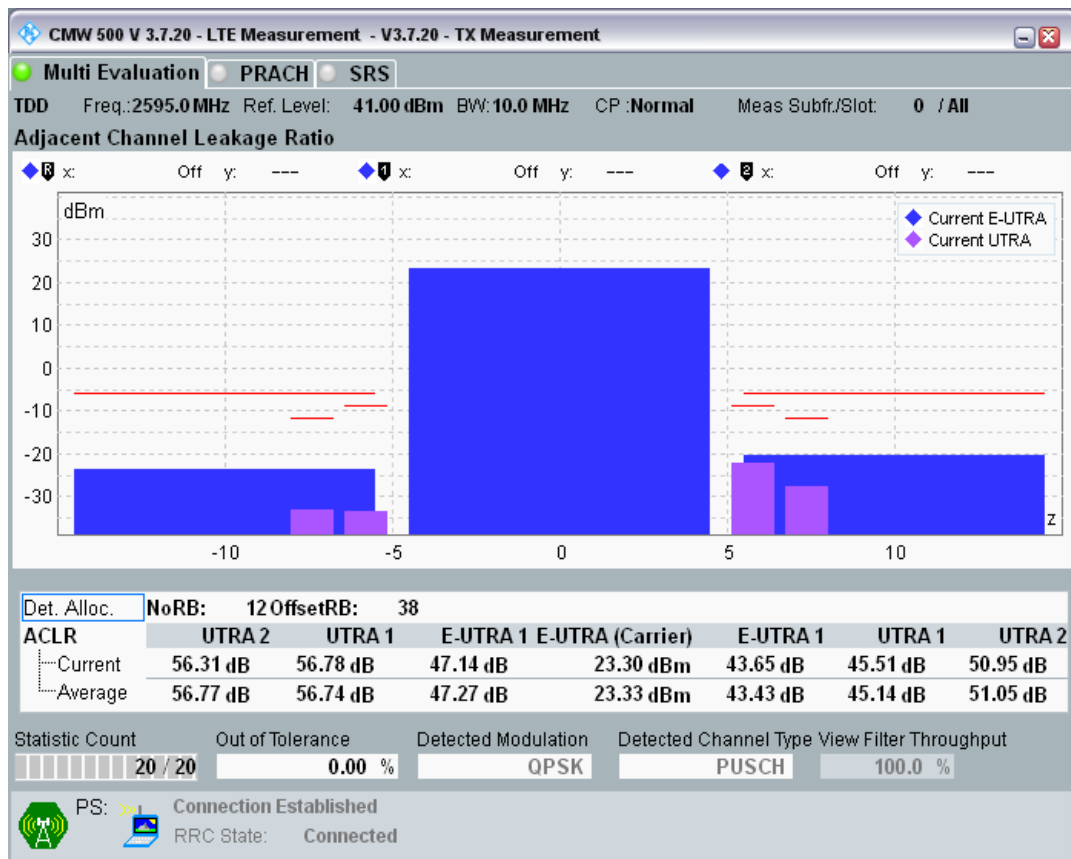
Band38 16QAM BW=10MHz Channel=37800 RB Size=50 Position=#0



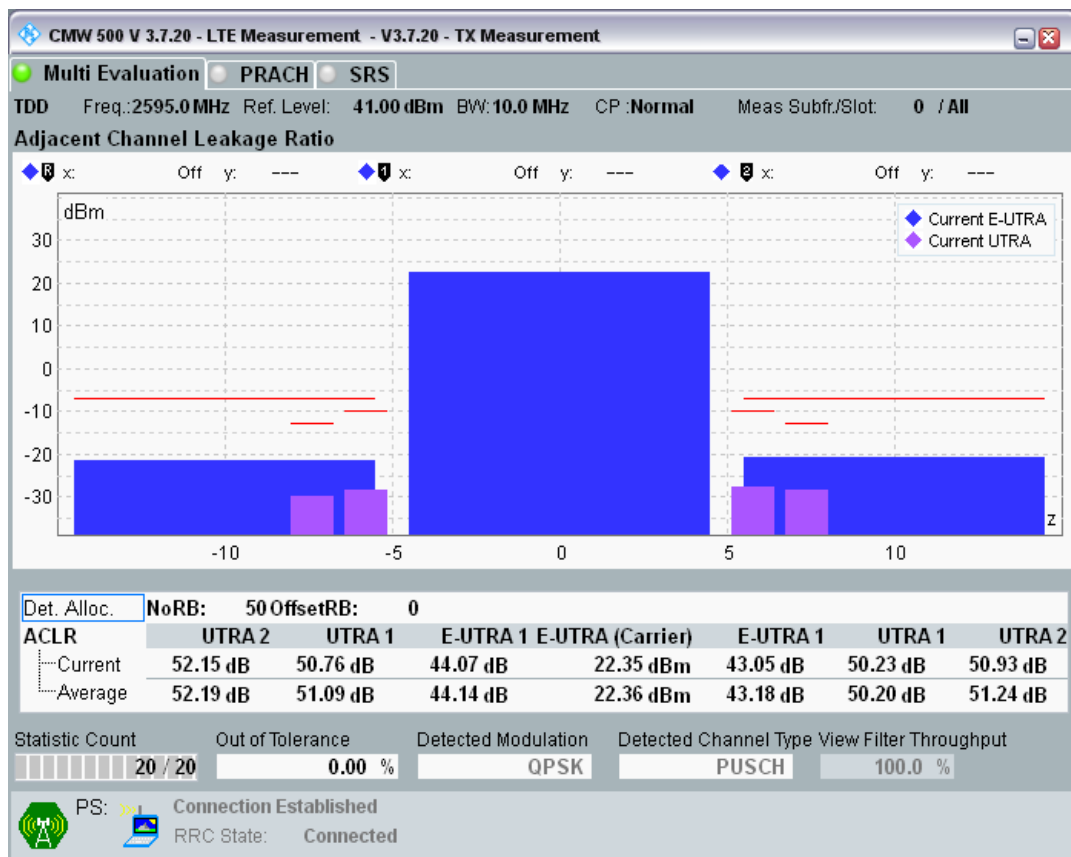
Band38 QPSK BW=10MHz Channel=38000 RB Size=12 Position=#0



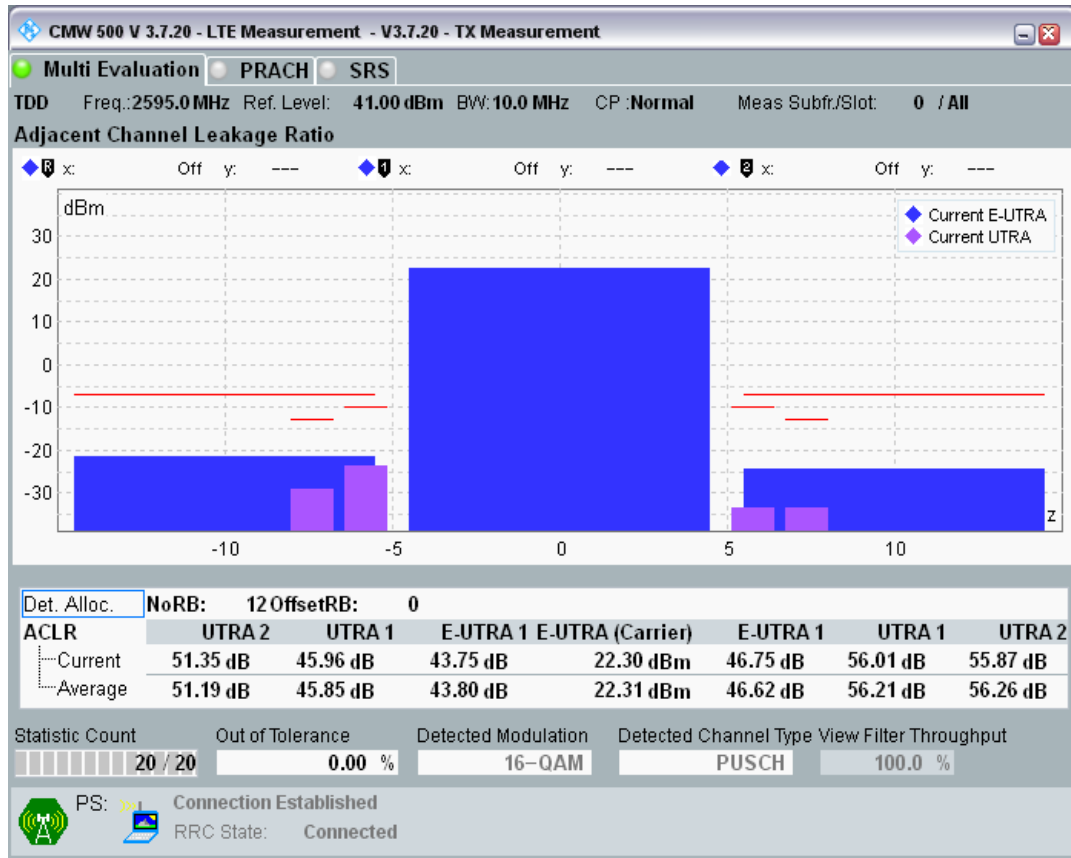
Band38 QPSK BW=10MHz Channel=38000 RB Size=12 Position=#Max



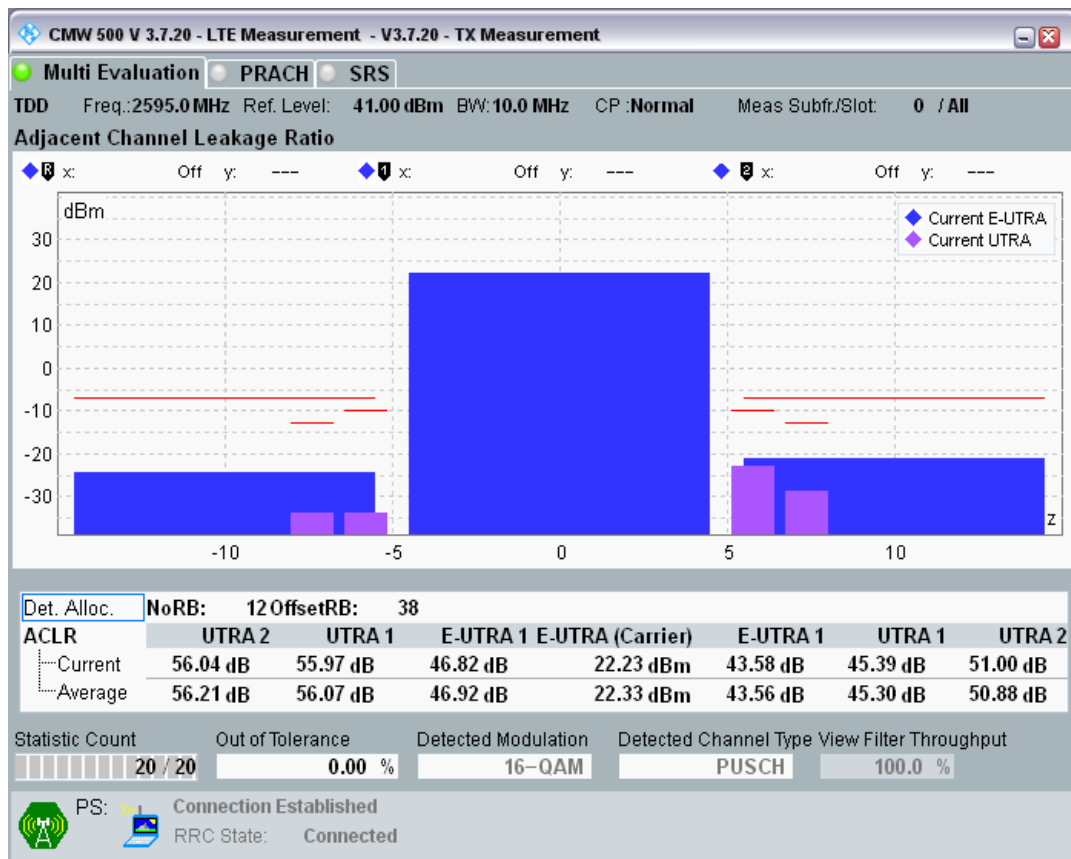
Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0



Band38 16QAM BW=10MHz Channel=38000 RB Size=12 Position=#0



Band38 16QAM BW=10MHz Channel=38000 RB Size=12 Position=#Max



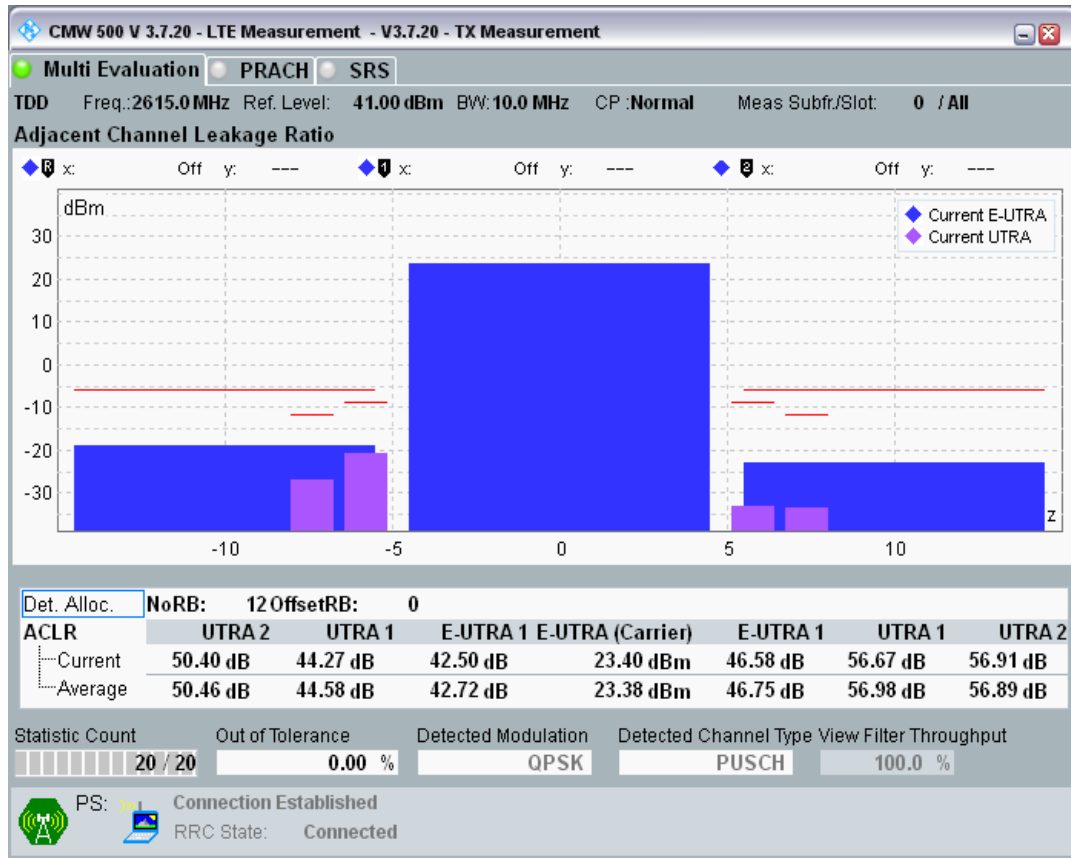
Band38 16QAM BW=10MHz Channel=38000 RB Size=50 Position=#0



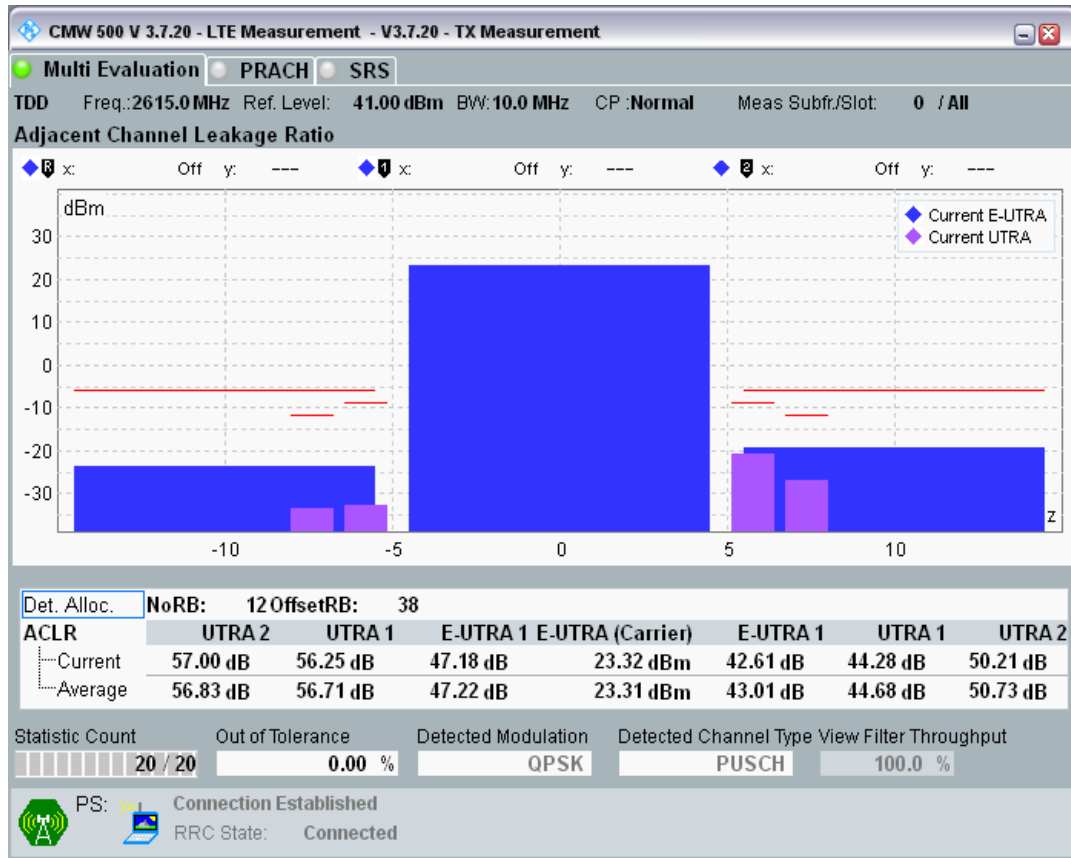




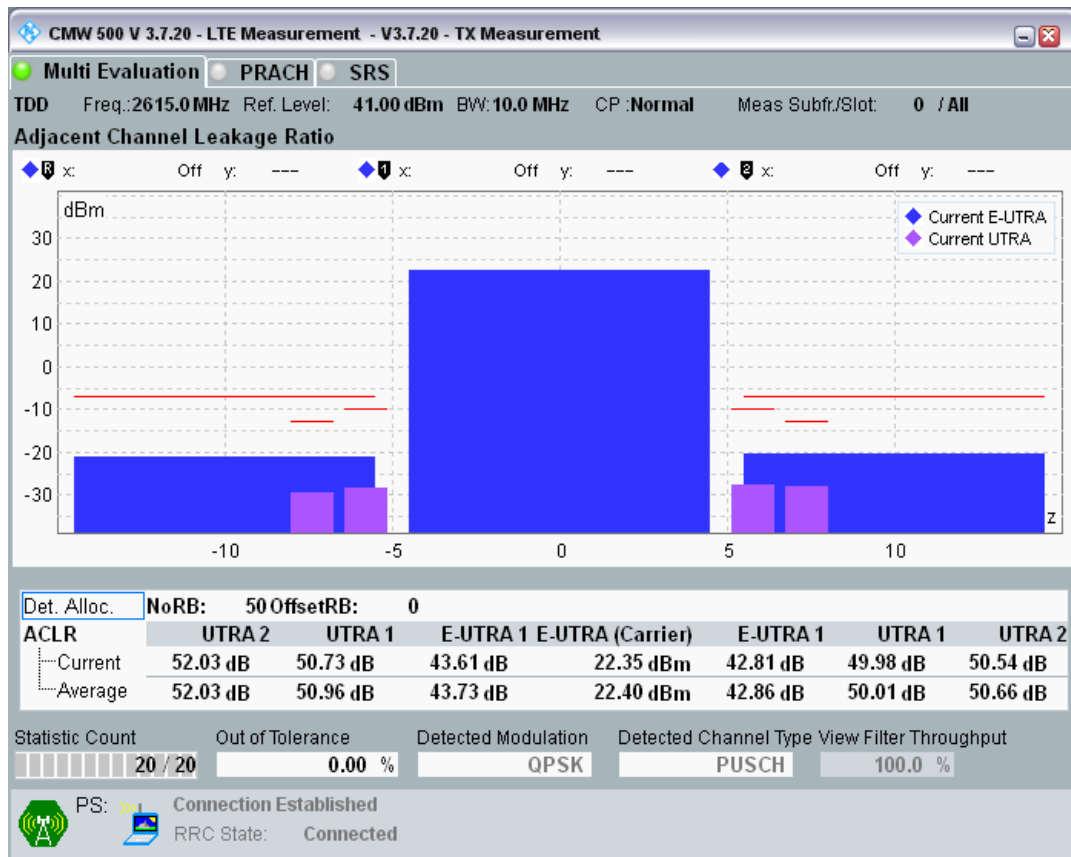
Band38 QPSK BW=10MHz Channel=38200 RB Size=12 Position=#0



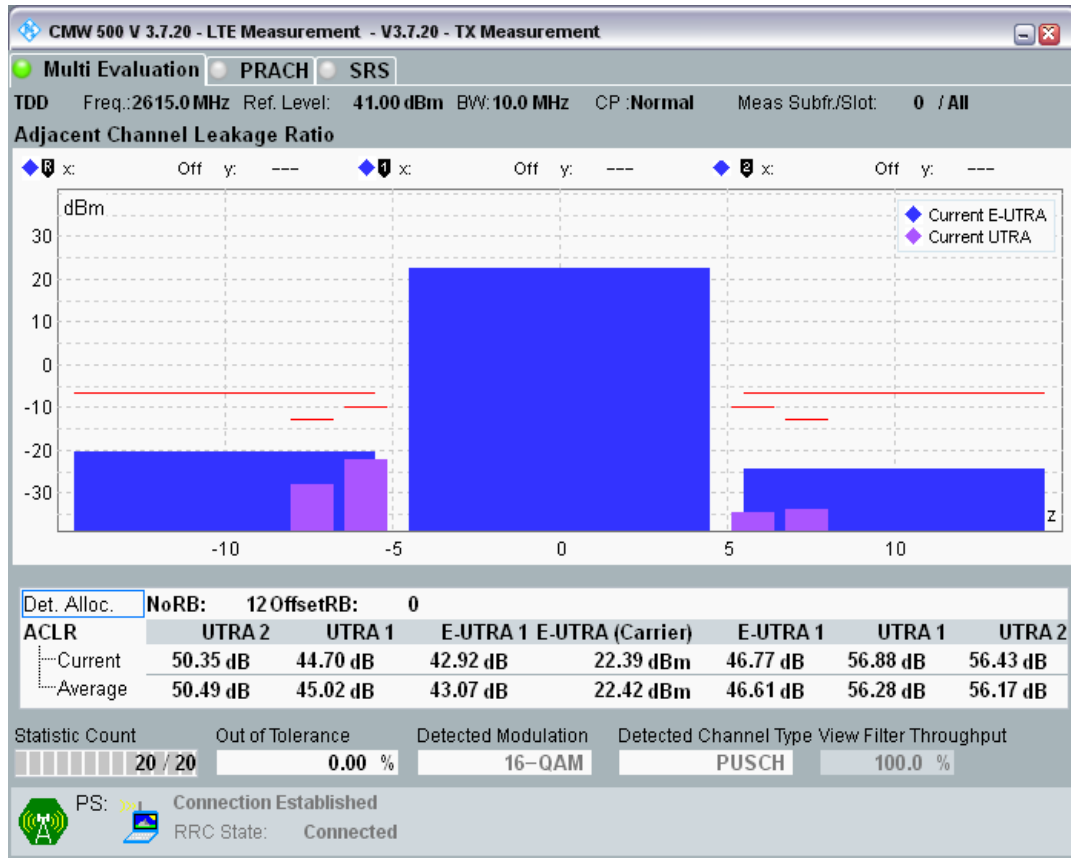
Band38 QPSK BW=10MHz Channel=38200 RB Size=12 Position=#Max



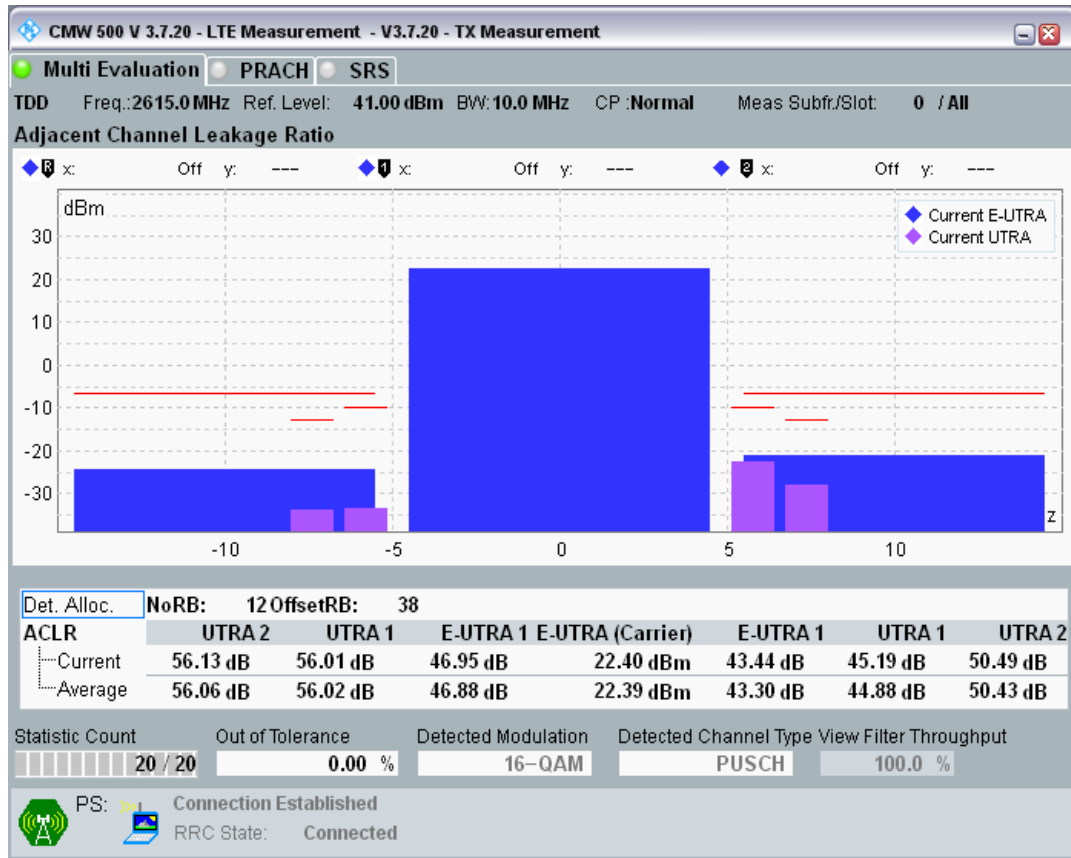
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



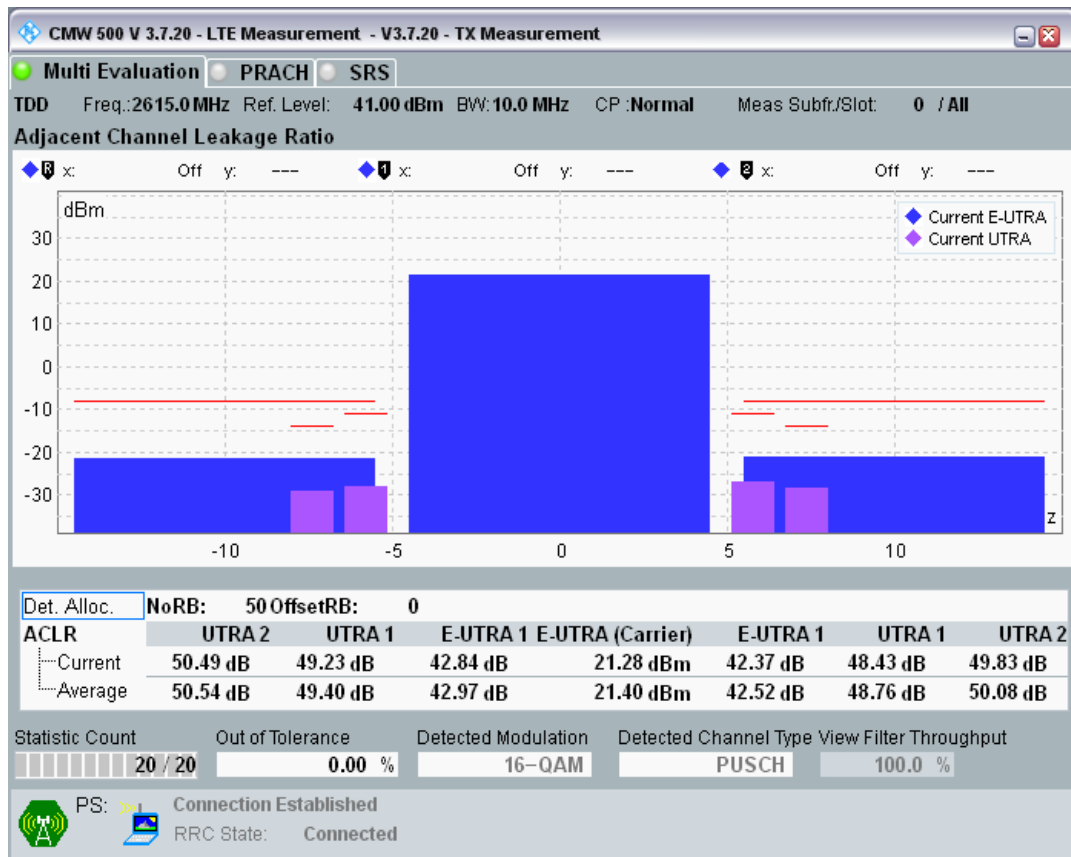
Band38 16QAM BW=10MHz Channel=38200 RB Size=12 Position=#0



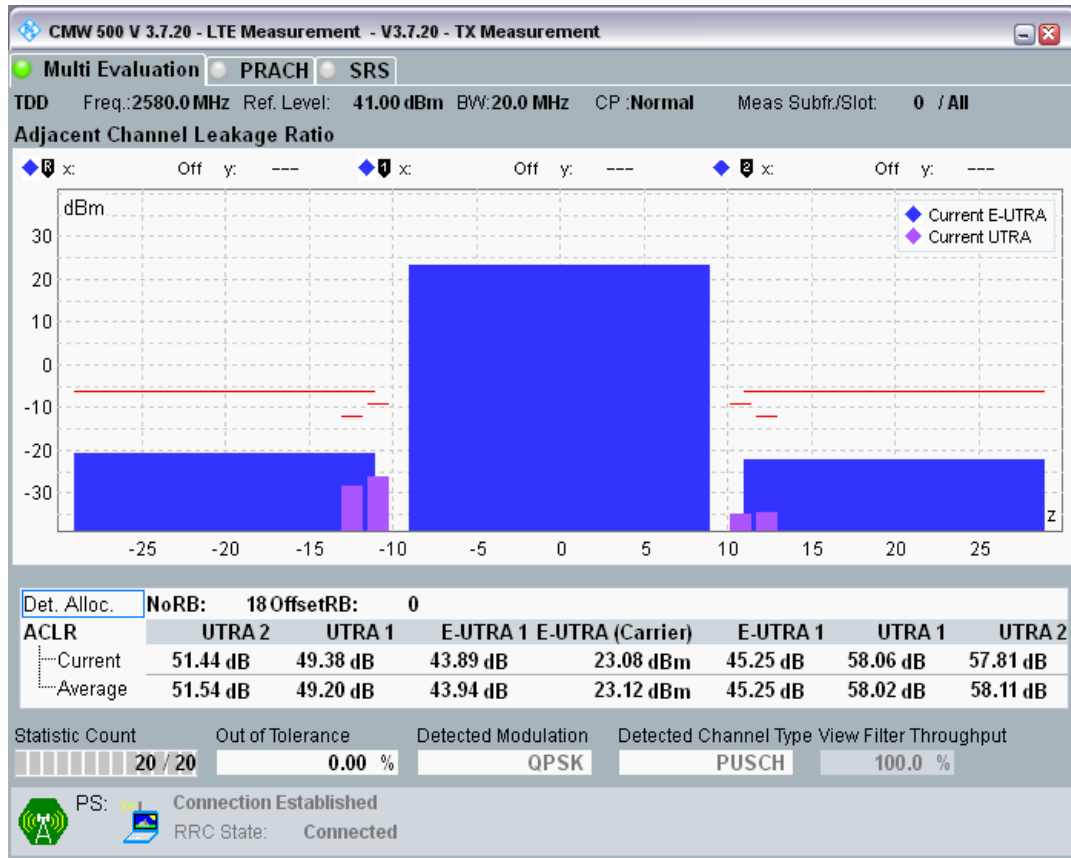
Band38 16QAM BW=10MHz Channel=38200 RB Size=12 Position=#Max



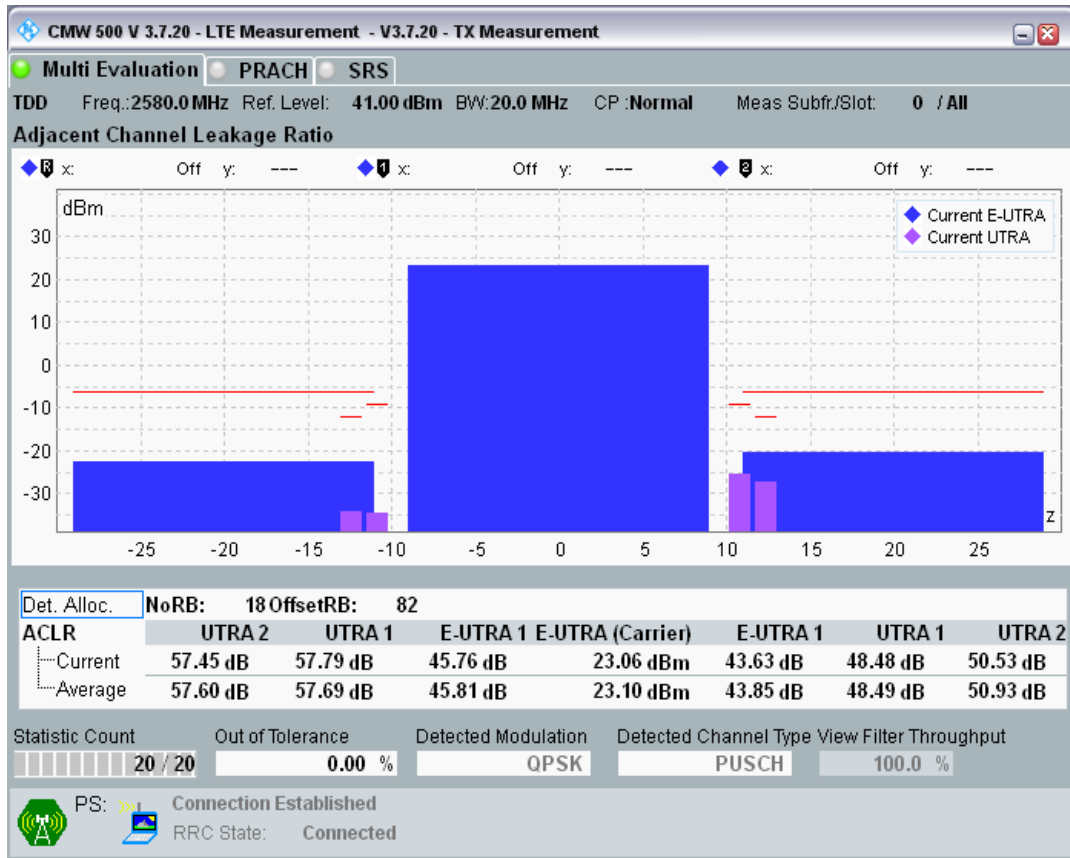
Band38 16QAM BW=10MHz Channel=38200 RB Size=50 Position=#0



Band38 QPSK BW=20MHz Channel=37850 RB Size=18 Position=#0



Band38 QPSK BW=20MHz Channel=37850 RB Size=18 Position=#Max



Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0

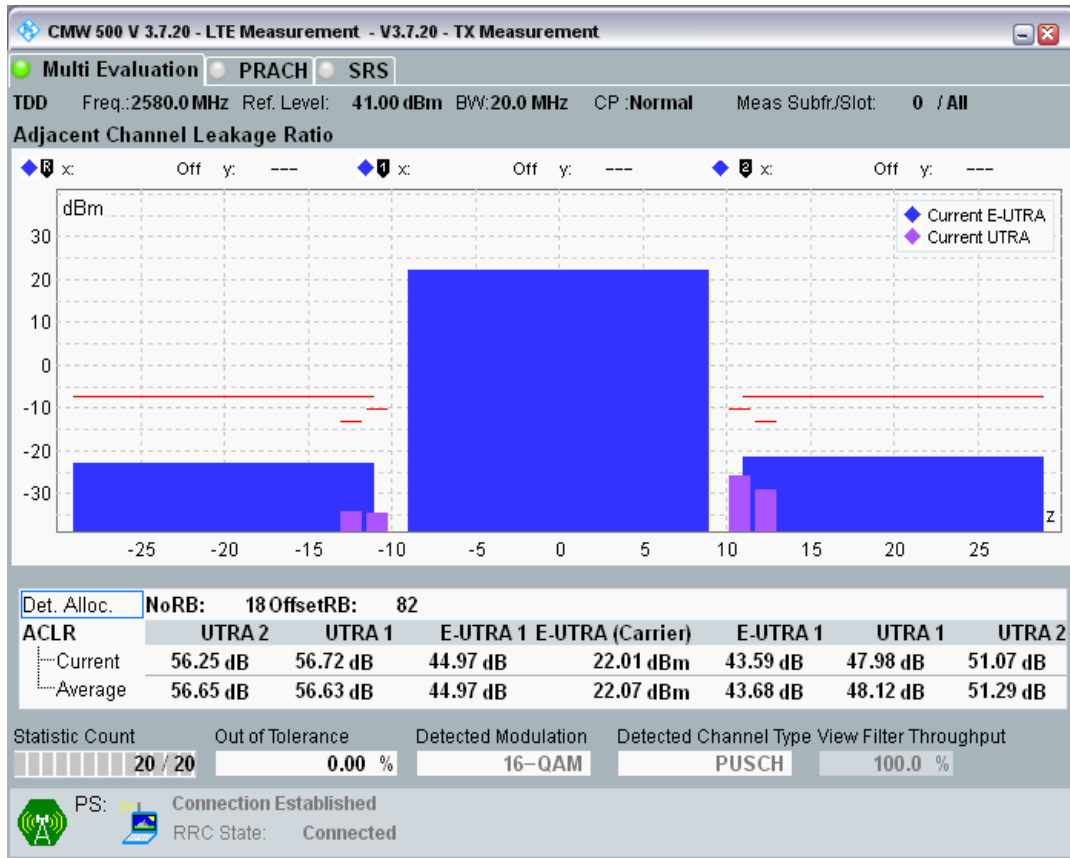


Band38 16QAM BW=20MHz Channel=37850 RB Size=18 Position=#0

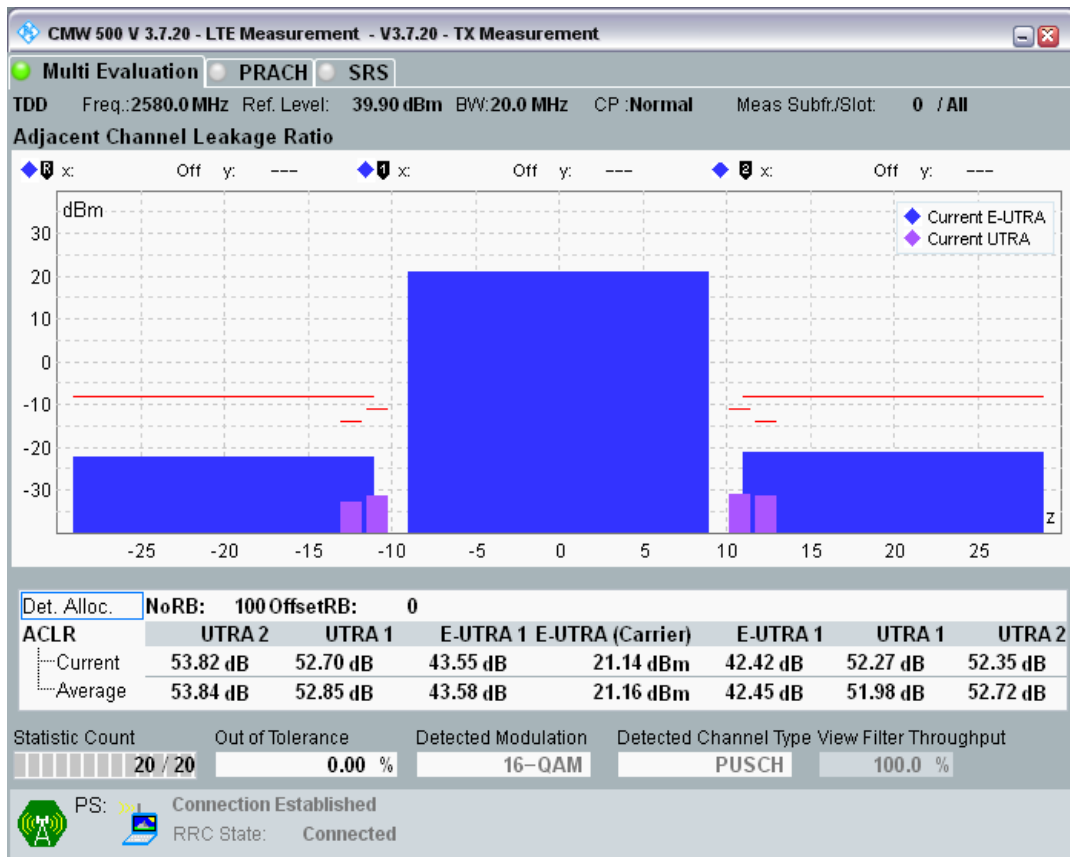


Band38 16QAM BW=20MHz Channel=37850 RB Size=18 Position=#Max

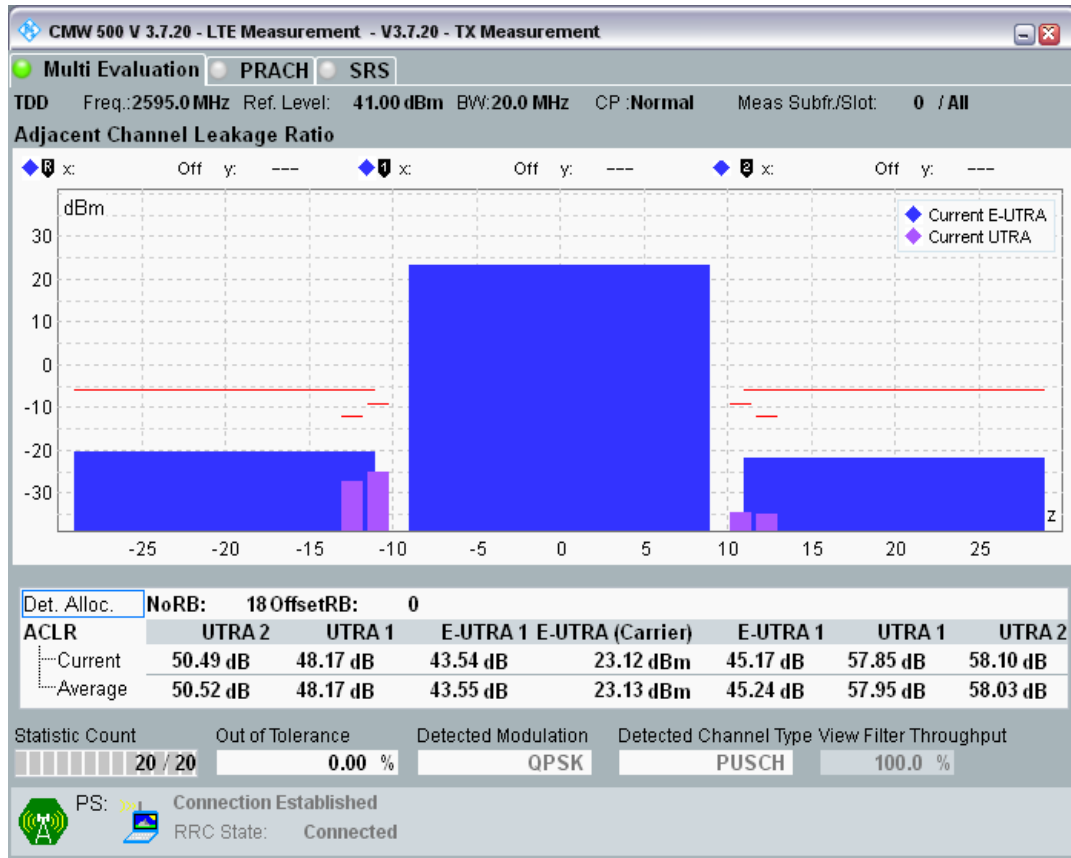




Band38 16QAM BW=20MHz Channel=37850 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38000 RB Size=18 Position=#0



Band38 QPSK BW=20MHz Channel=38000 RB Size=18 Position=#Max



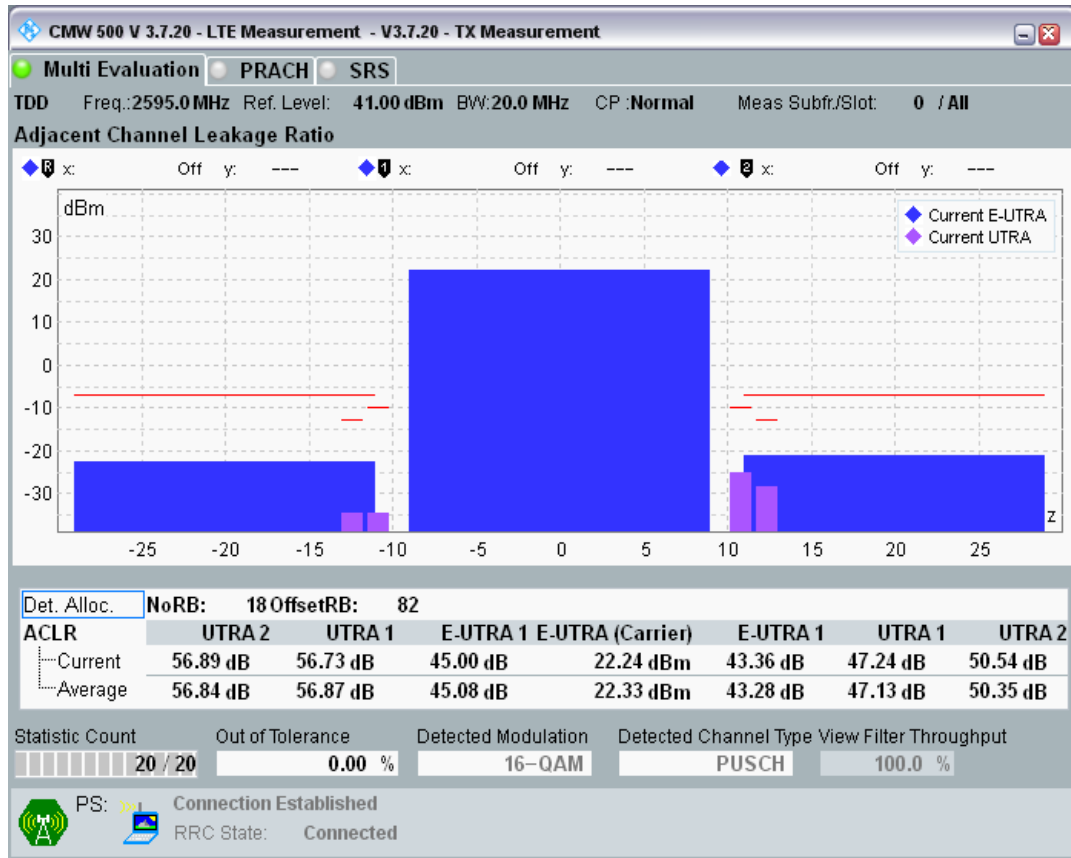
Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0



Band38 16QAM BW=20MHz Channel=38000 RB Size=18 Position=#0



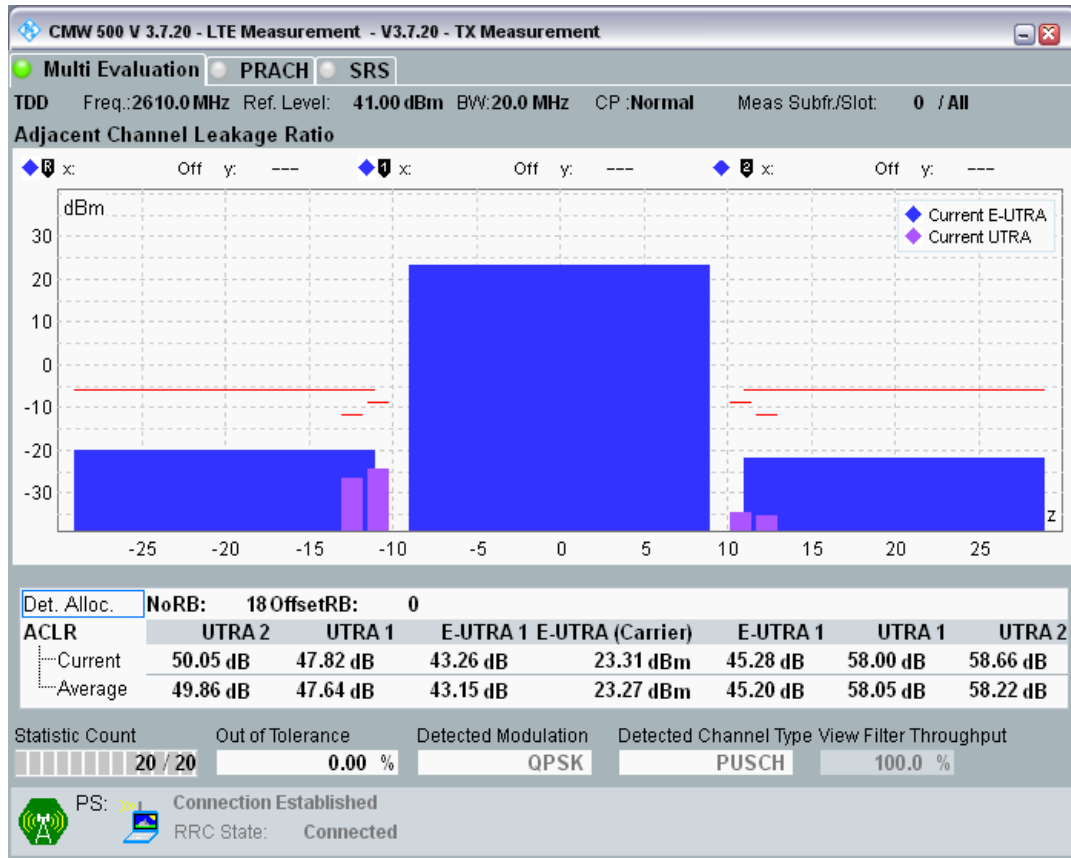
Band38 16QAM BW=20MHz Channel=38000 RB Size=18 Position=#Max



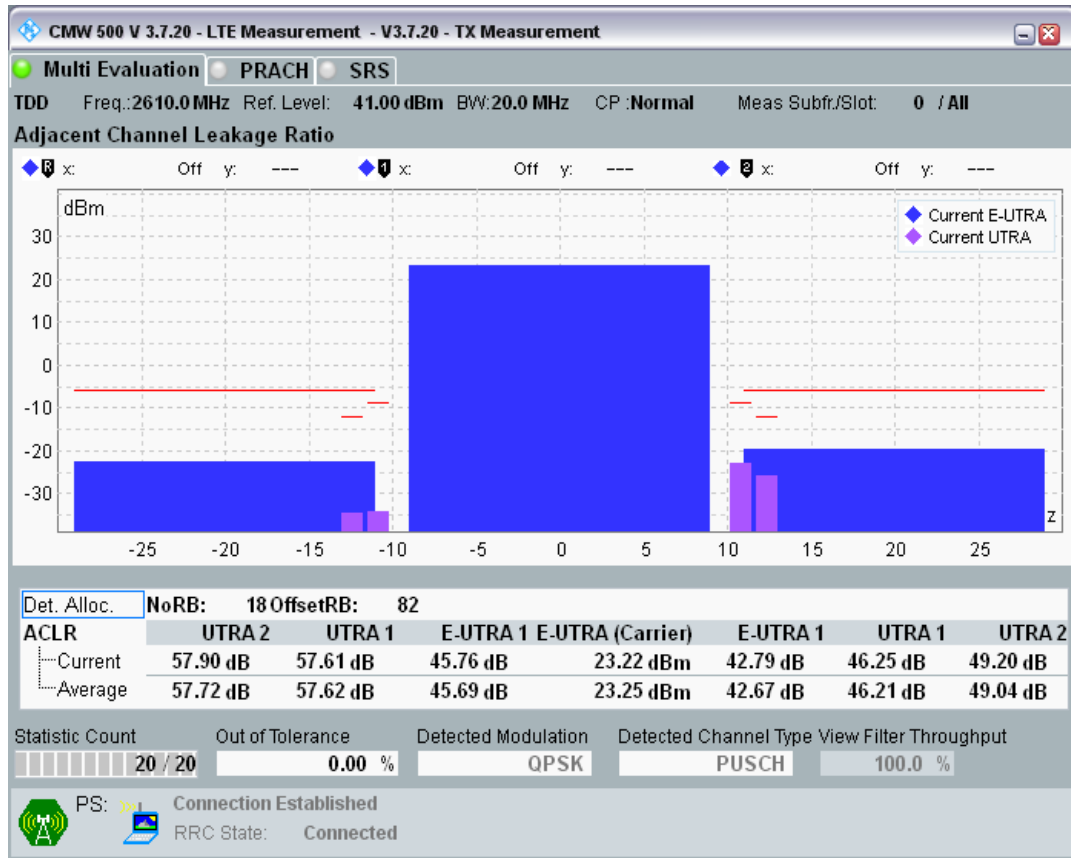
Band38 16QAM BW=20MHz Channel=38000 RB Size=100 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=18 Position=#0



Band38 QPSK BW=20MHz Channel=38150 RB Size=18 Position=#Max



Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0





Band38 16QAM BW=20MHz Channel=38150 RB Size=18 Position=#0



Band38 16QAM BW=20MHz Channel=38150 RB Size=18 Position=#Max



Band38 16QAM BW=20MHz Channel=38150 RB Size=100 Position=#0



## Appendix 11. Receiver Reference Sensitivity Level

Band	Bandwidth (MHz)	UL Channel	UL RB Size	Modulation	Ref Sensitivity (dBm)	Throughput (%)	Limit (%)	Verdict
Band38	5	37775	25	QPSK	-98.6	100.00	95	PASS
Band38	5	37775	25	16QAM	-98.6	100.00	95	PASS
Band38	5	38000	25	QPSK	-98.6	100.00	95	PASS
Band38	5	38000	25	16QAM	-98.6	100.00	95	PASS
Band38	5	38225	25	QPSK	-98.6	100.00	95	PASS
Band38	5	38225	25	16QAM	-98.6	100.00	95	PASS
Band38	20	37850	100	QPSK	-92.6	100.00	95	PASS
Band38	20	37850	100	16QAM	-92.6	100.00	95	PASS
Band38	20	38000	100	QPSK	-92.6	100.00	95	PASS
Band38	20	38000	100	16QAM	-92.6	100.00	95	PASS
Band38	20	38150	100	QPSK	-92.6	100.00	95	PASS
Band38	20	38150	100	16QAM	-92.6	100.00	95	PASS