



## Appendix F for BT LE Test Data

**Product Name: Tablet**

**Test Model: TAB KINGKONG S**

### Environmental Conditions

Temperature:	24.1°C
Relative Humidity:	53.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Sean Huang
Supervised by:	Nick Peng



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## F.1 RF Output Power

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)	Limit (dBm)	Verdict
NTNV	BLE_1M	2402	3.26	20	Pass
NTNV	BLE_1M	2440	3.47	20	Pass
NTNV	BLE_1M	2480	3.39	20	Pass
HTNV	BLE_1M	2402	3.17	20	Pass
HTNV	BLE_1M	2440	3.45	20	Pass
HTNV	BLE_1M	2480	3.36	20	Pass
LTNV	BLE_1M	2402	3.12	20	Pass
LTNV	BLE_1M	2440	3.34	20	Pass
LTNV	BLE_1M	2480	3.28	20	Pass
NTNV	BLE_2M	2402	1.75	20	Pass
NTNV	BLE_2M	2440	1.25	20	Pass
NTNV	BLE_2M	2480	0.41	20	Pass
HTNV	BLE_2M	2402	1.73	20	Pass
HTNV	BLE_2M	2440	1.17	20	Pass
HTNV	BLE_2M	2480	0.31	20	Pass
LTNV	BLE_2M	2402	1.65	20	Pass
LTNV	BLE_2M	2440	1.14	20	Pass
LTNV	BLE_2M	2480	0.28	20	Pass

Note: 20 bursts had been captured for power measurement.



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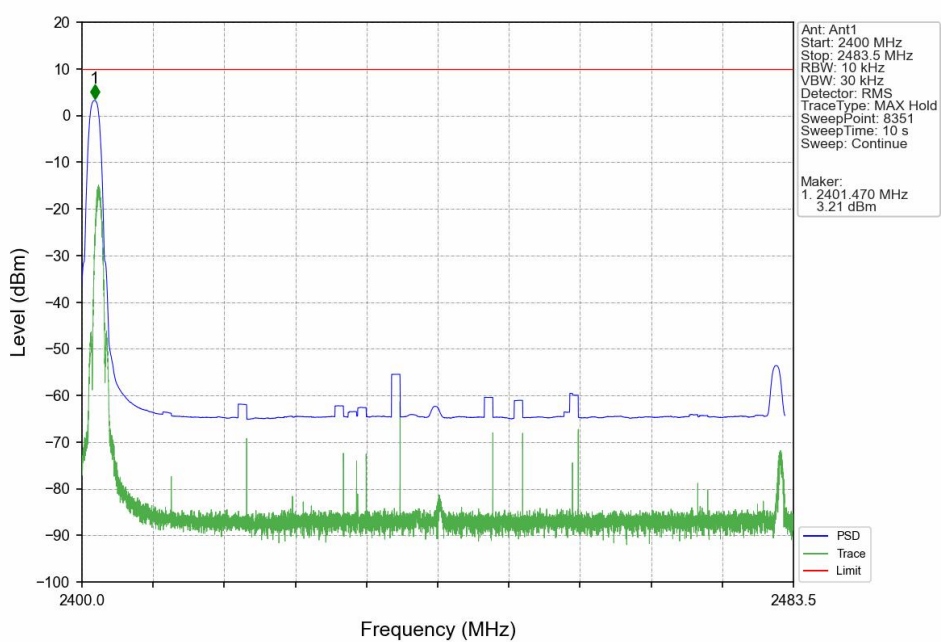
## F.2 Power Spectral Density

ENV	Mode	TX Type	Frequency (MHz)	ANT	E.I.R.PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NTNV	1M	SISO	2402	1	3.21	$\leq 10$	Pass
			2440	1	3.42	$\leq 10$	Pass
			2480	1	3.34	$\leq 10$	Pass
NTNV	2M	SISO	2402	1	0.42	$\leq 10$	Pass
			2440	1	-0.06	$\leq 10$	Pass
			2480	1	-0.90	$\leq 10$	Pass

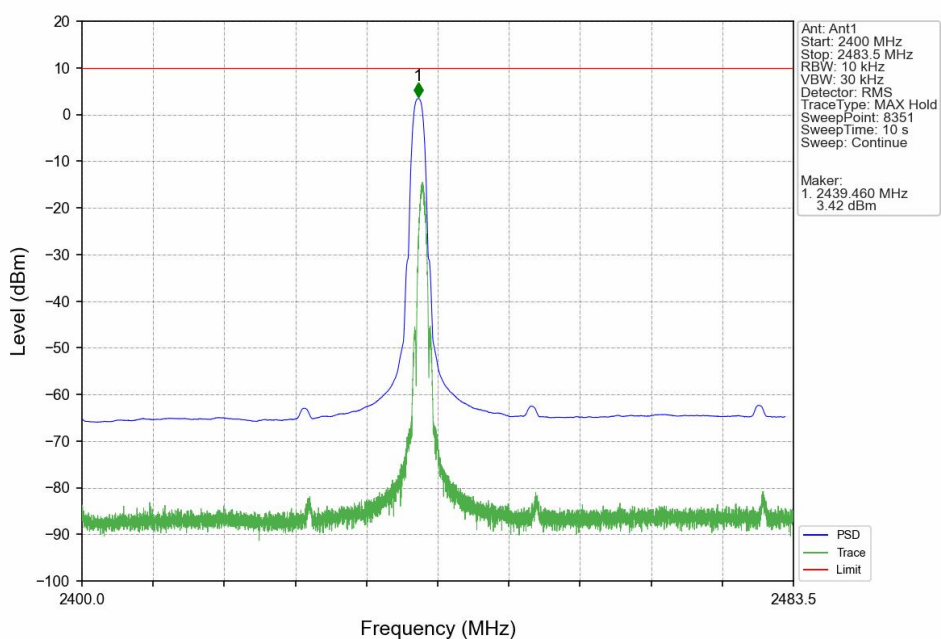




## 1M\_2402MHz\_Ant1\_NTNV

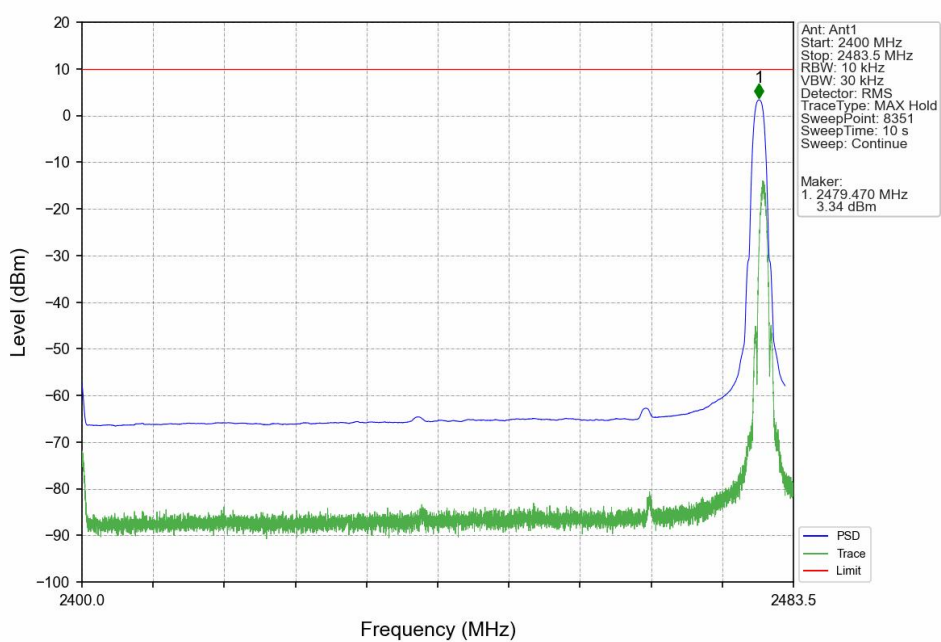


## 1M\_2440MHz\_Ant1\_NTNV

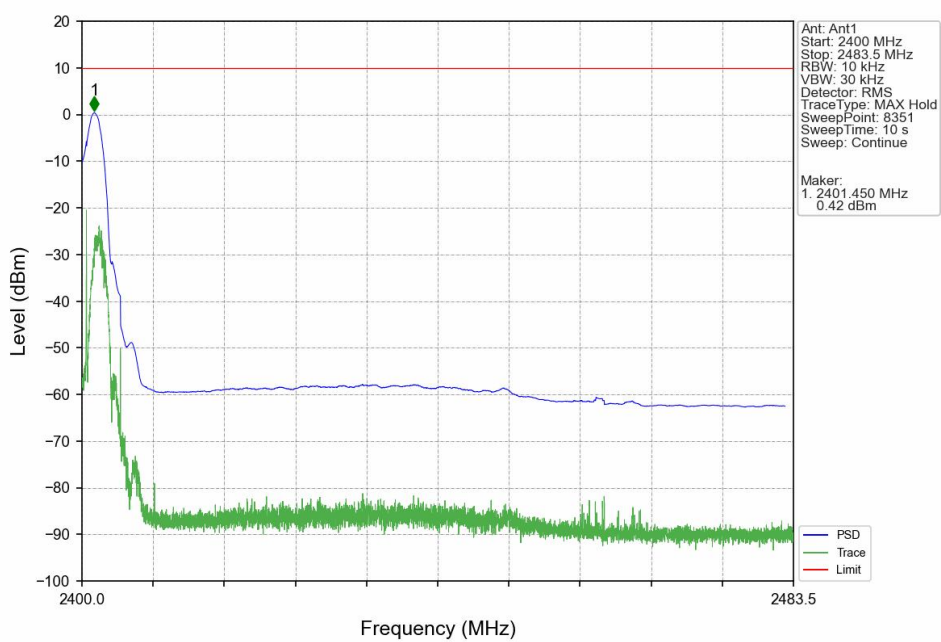




## 1M\_2480MHz\_Ant1\_NTNV

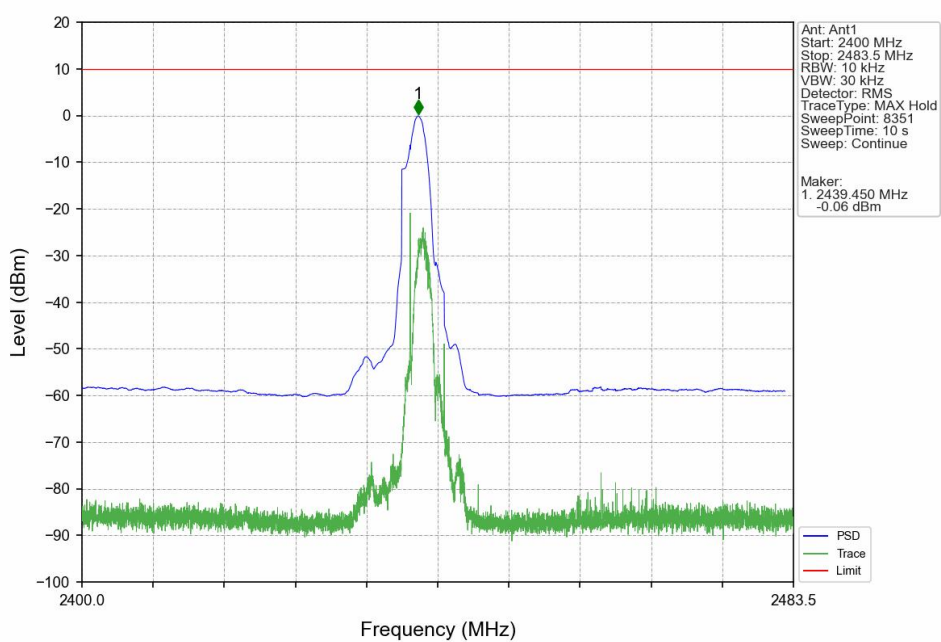


## 2M\_2402MHz\_Ant1\_NTNV

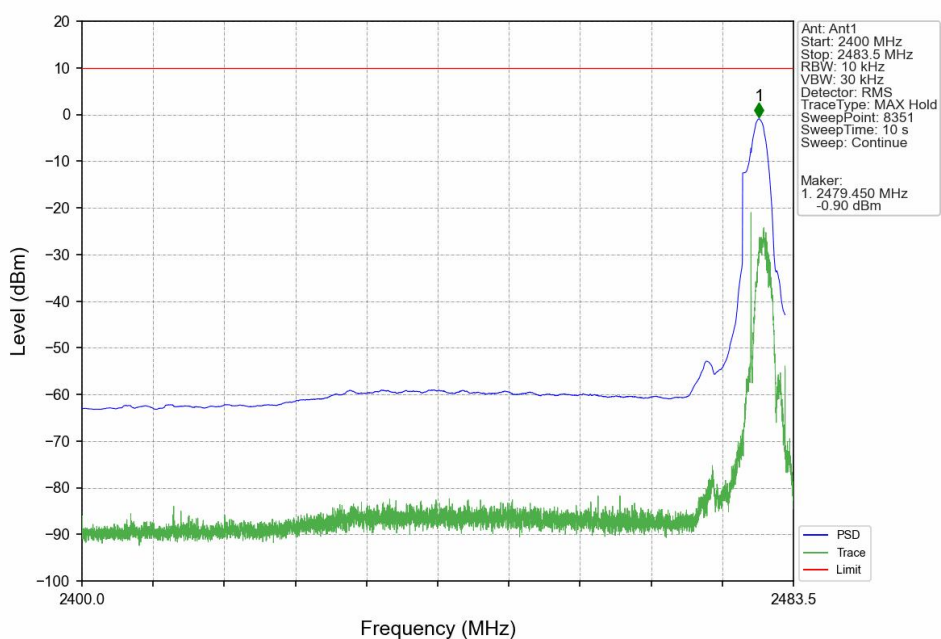




2M\_2440MHz\_Ant1\_NTNV



2M\_2480MHz\_Ant1\_NTNV



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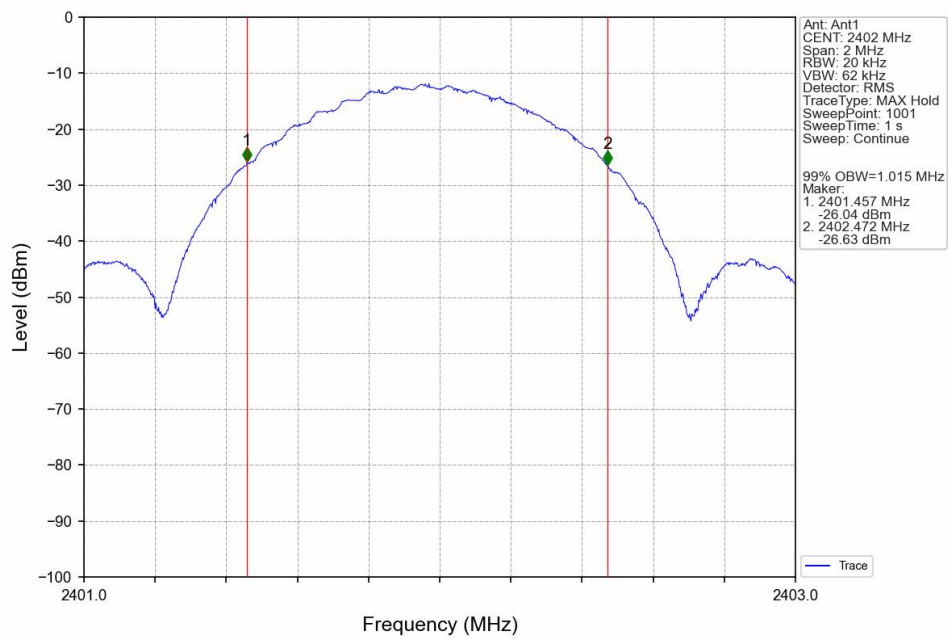
### F.3 Occupied Channel Bandwidth

Ant1								
ENV	Mode	TX Type	Frequency (MHz)	OBW (MHz)	Frequency Range (MHz)			Verdict
				Result	FL	FH	Limit	
NTNV	1M	SISO	2402	1.015	2401.457	/	$\geq 2400$	Pass
			2480	1.016	/	2480.471	$\leq 2483.5$	Pass
NTNV	2M	SISO	2402	2.545	2400.496	/	$\geq 2400$	Pass
			2480	2.544	/	2481.042	$\leq 2483.5$	Pass

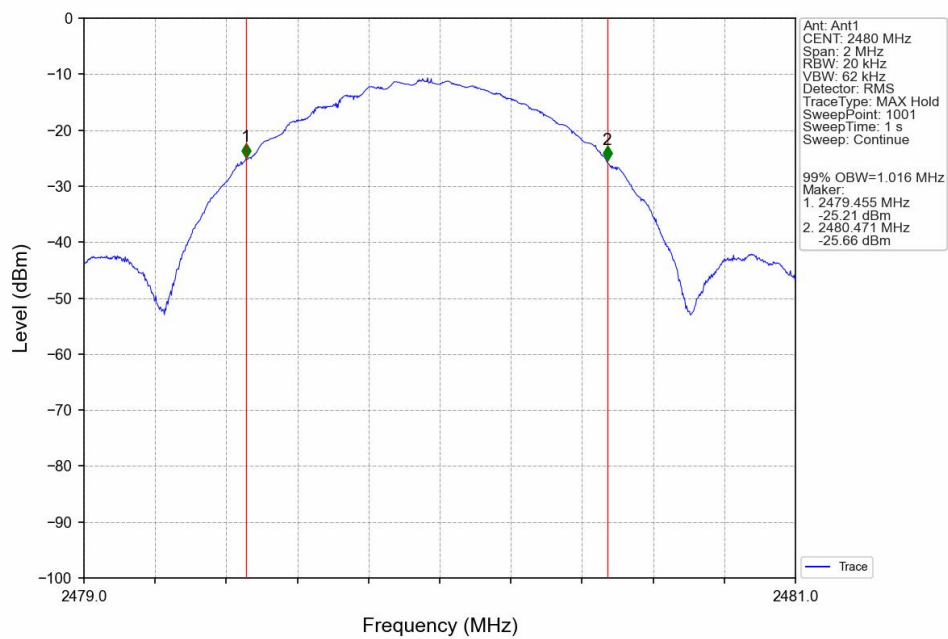




1M\_2402MHz\_Ant1\_NTNV



1M\_2480MHz\_Ant1\_NTNV



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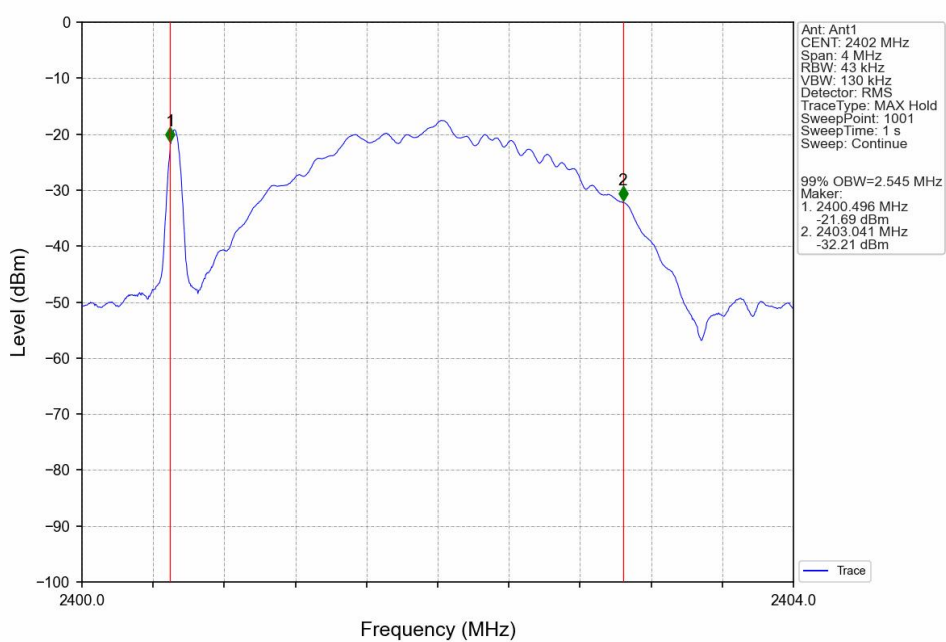
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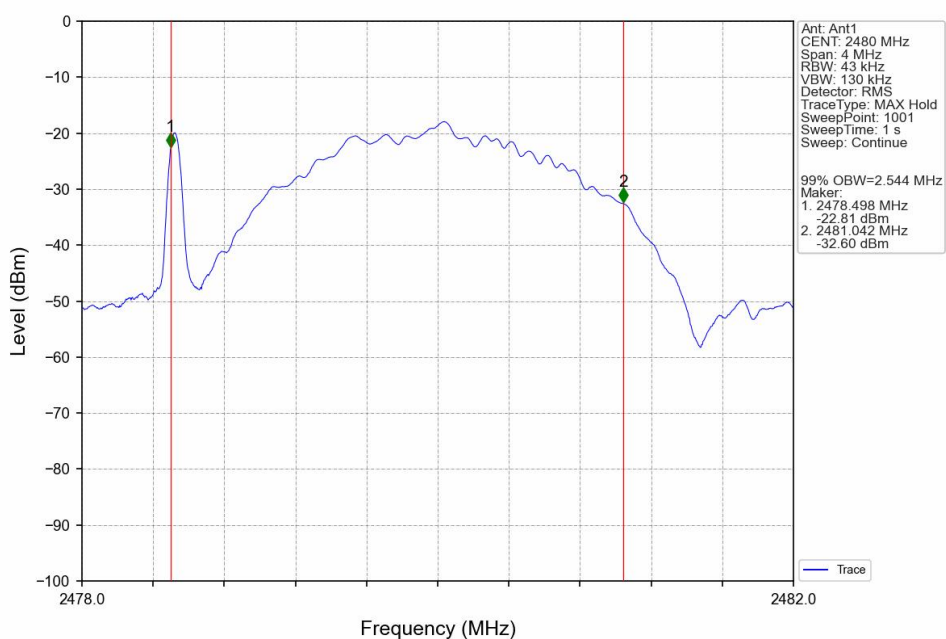




2M\_2402MHz\_Ant1\_NTNV



2M\_2480MHz\_Ant1\_NTNV



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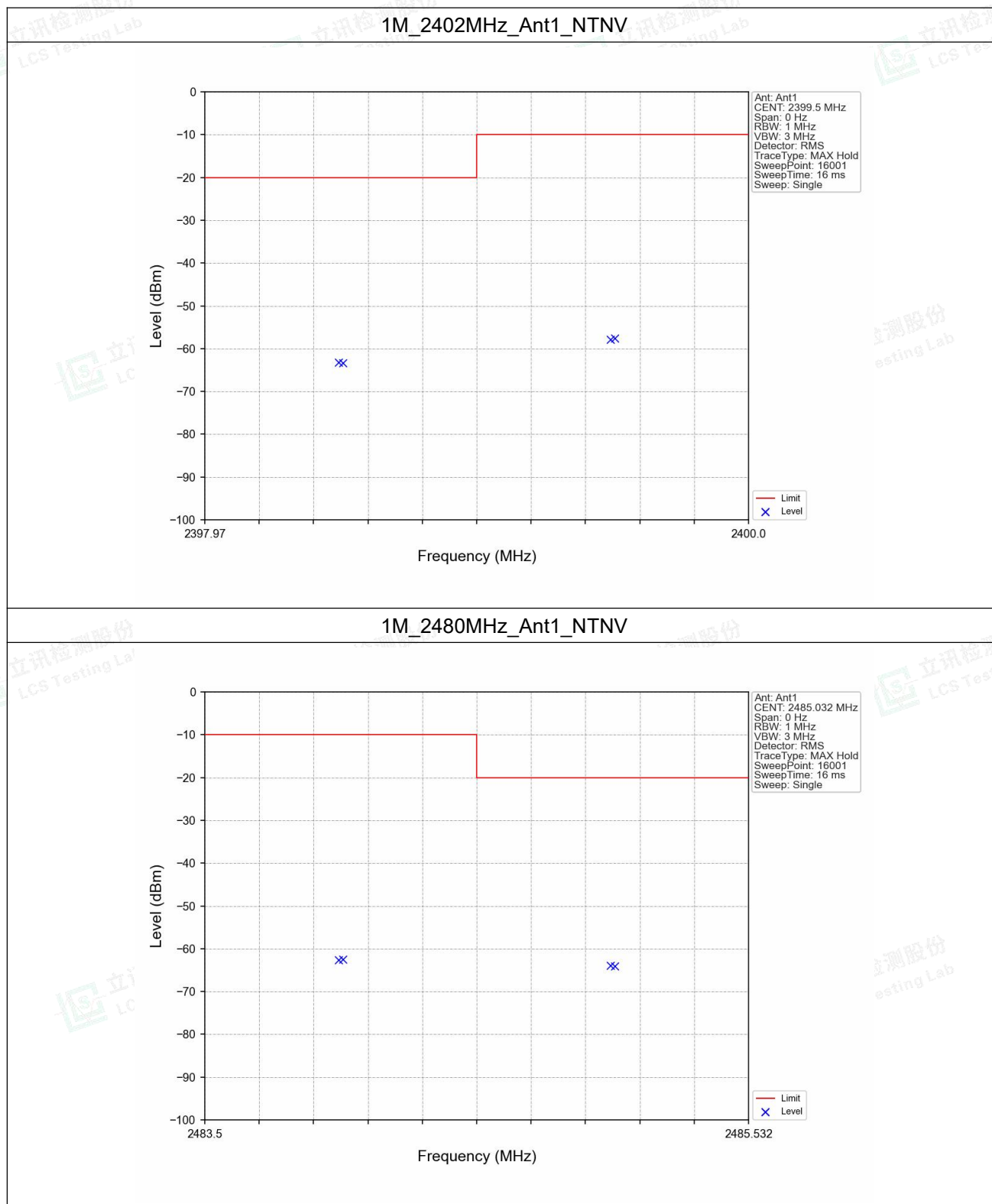
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## F.4 Transmitter unwanted emissions in the out-of-band domain

Ant1_NTNV							
Mode	TX Type	Frequency (MHz)	ANT	Test Freq. (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
1M	SISO	2402	1	2398.470	-63.25	<=-20	Pass
				2398.485	-63.33	<=-20	Pass
				2399.485	-57.81	<=-10	Pass
				2399.500	-57.54	<=-10	Pass
		2480	1	2484.000	-62.65	<=-10	Pass
				2484.016	-62.52	<=-10	Pass
				2485.016	-63.97	<=-20	Pass
				2485.032	-64.05	<=-20	Pass
2M	SISO	2402	1	2395.410	-61.05	<=-20	Pass
				2395.955	-59.99	<=-20	Pass
				2396.955	-61.93	<=-20	Pass
				2397.955	-58.85	<=-10	Pass
				2398.500	-55.39	<=-10	Pass
				2399.500	-33.03	<=-10	Pass
		2480	1	2484.000	-57.68	<=-10	Pass
				2485.000	-61.40	<=-10	Pass
				2485.544	-65.60	<=-10	Pass
				2486.544	-67.76	<=-20	Pass
				2487.544	-68.03	<=-20	Pass
				2488.088	-68.06	<=-20	Pass



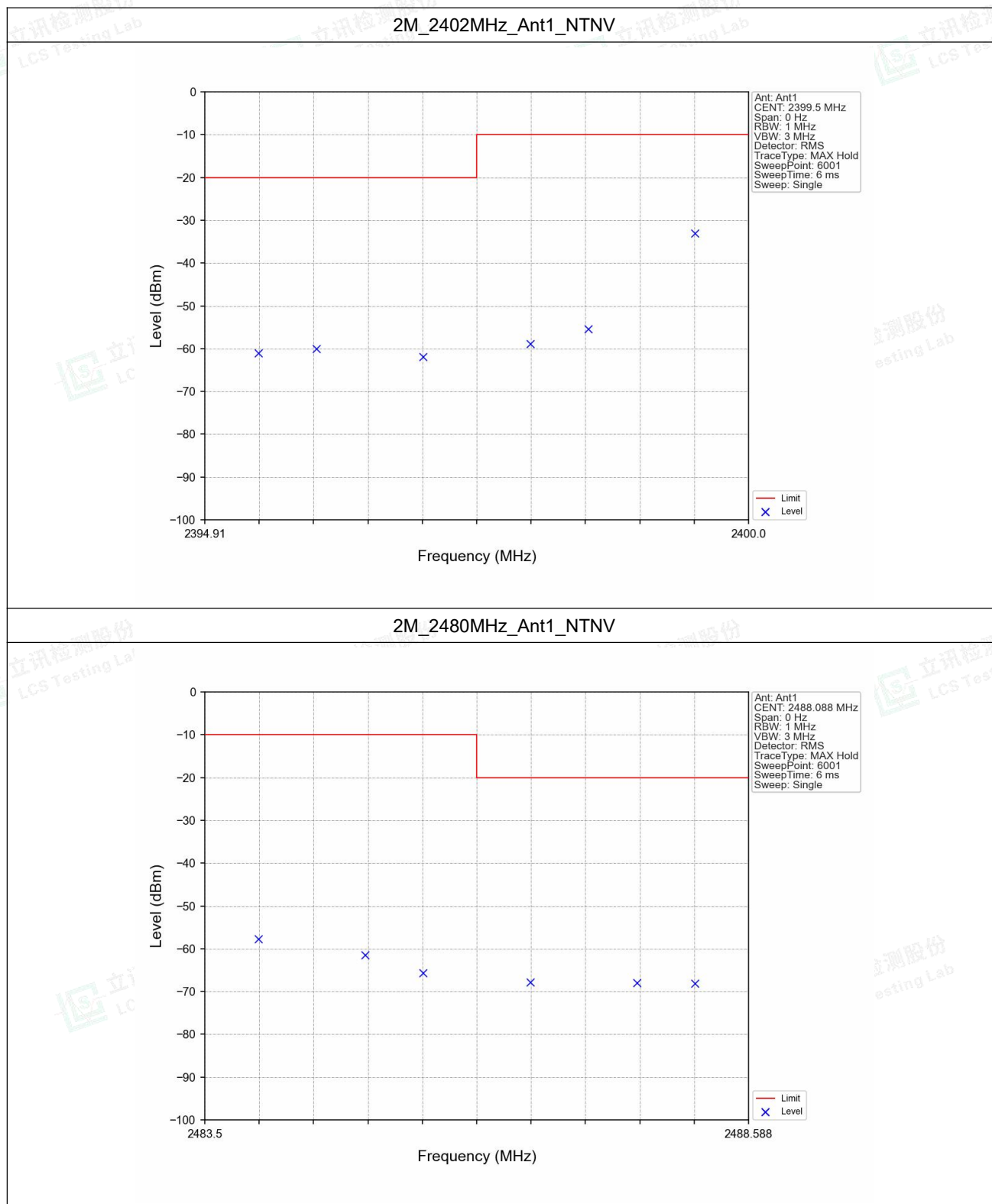


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## F.5 Transmitter unwanted emissions in the spurious domain

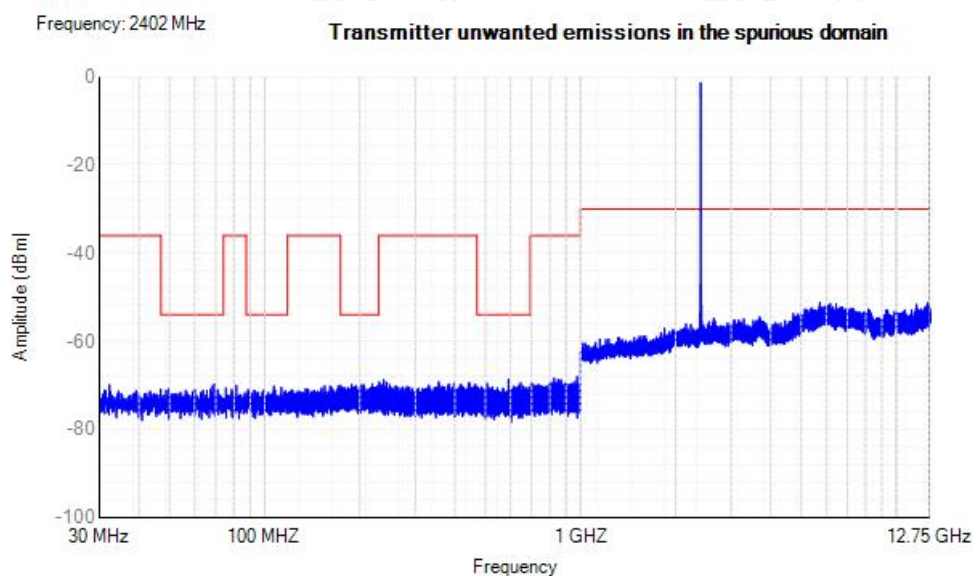
ENV	Mode	TX Type	Frequency (MHz)	ANT	Test Result	Limit	Verdict
NTNV	1M	SISO	2402	1	Refer To Test Graph		Pass
			2480	1	Refer To Test Graph		Pass
NTNV	2M	SISO	2402	1	Refer To Test Graph		Pass
			2480	1	Refer To Test Graph		Pass



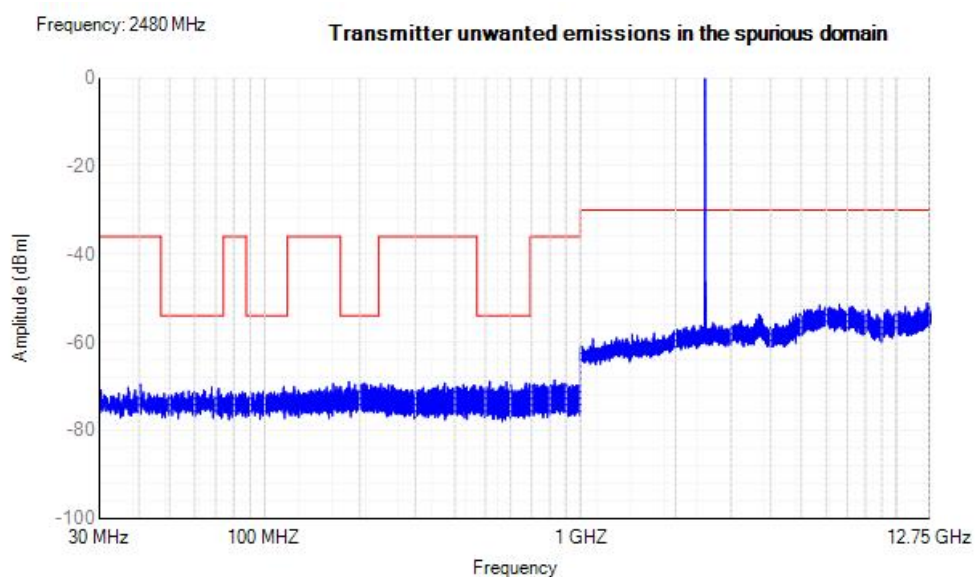


## Test Graph

Tx. Spurious NVNT BLE 1M 2402MHz



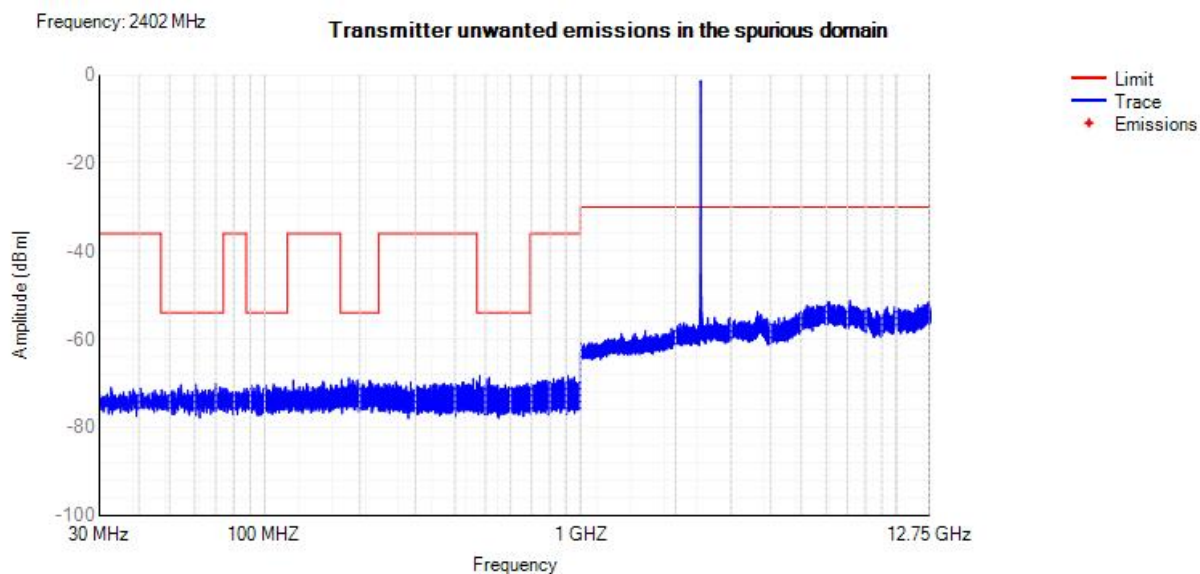
Tx. Spurious NVNT BLE 1M 2480MHz



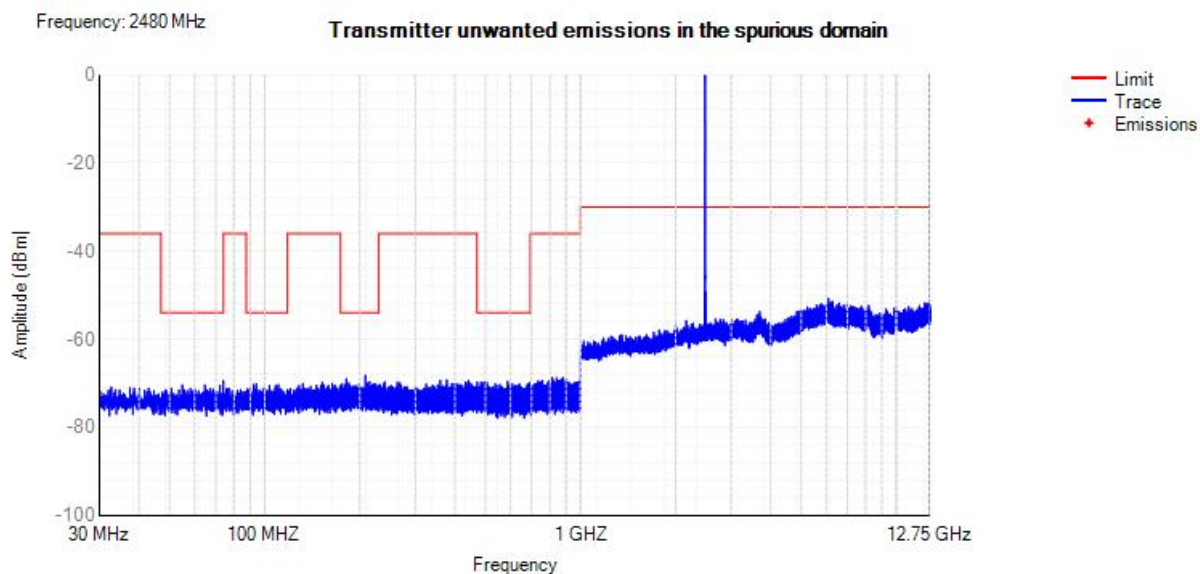




## Tx. Spurious NVNT BLE 2M 2402MHz



## Tx. Spurious NVNT BLE 2M 2480MHz



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## F.6 Receiver spurious emissions

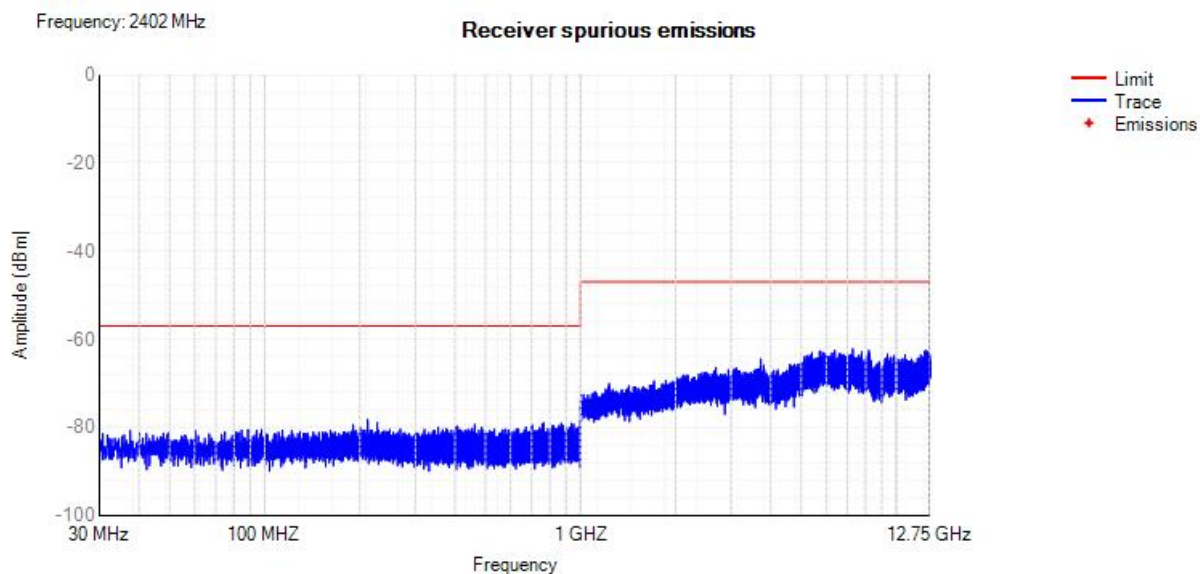
ENV	Mode	TX Type	Frequency (MHz)	ANT	Test Result	Limit	Verdict
NTNV	1M	SISO	2402	1	Refer To Test Graph		Pass
			2480	1	Refer To Test Graph		Pass
NTNV	2M	SISO	2402	1	Refer To Test Graph		Pass
			2480	1	Refer To Test Graph		Pass



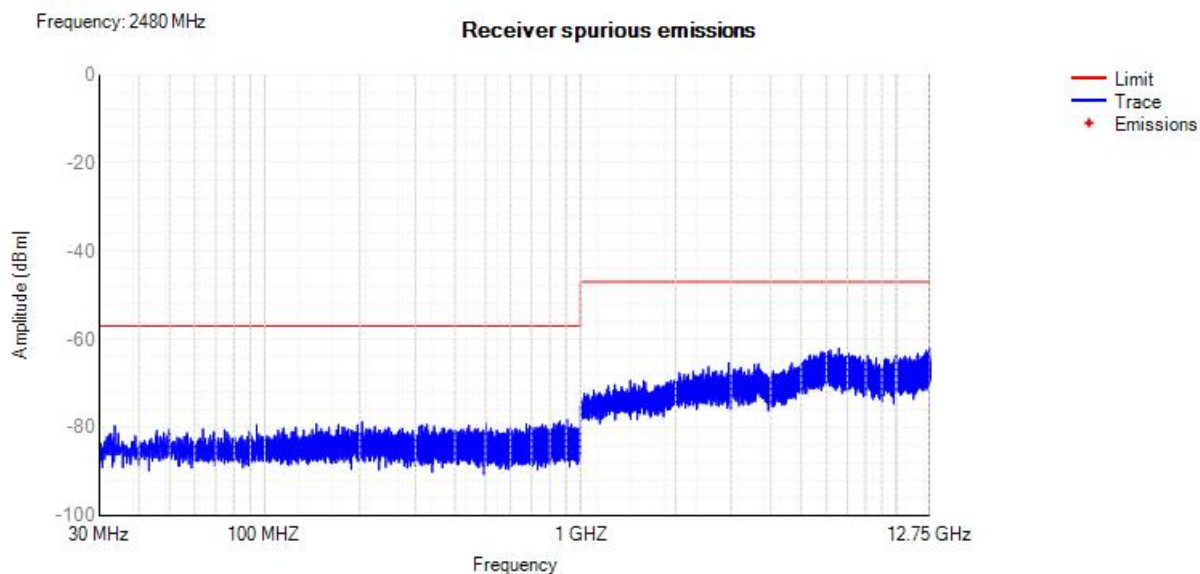


## Test Graph

Rx. Spurious NVNT BLE 1M 2402MHz

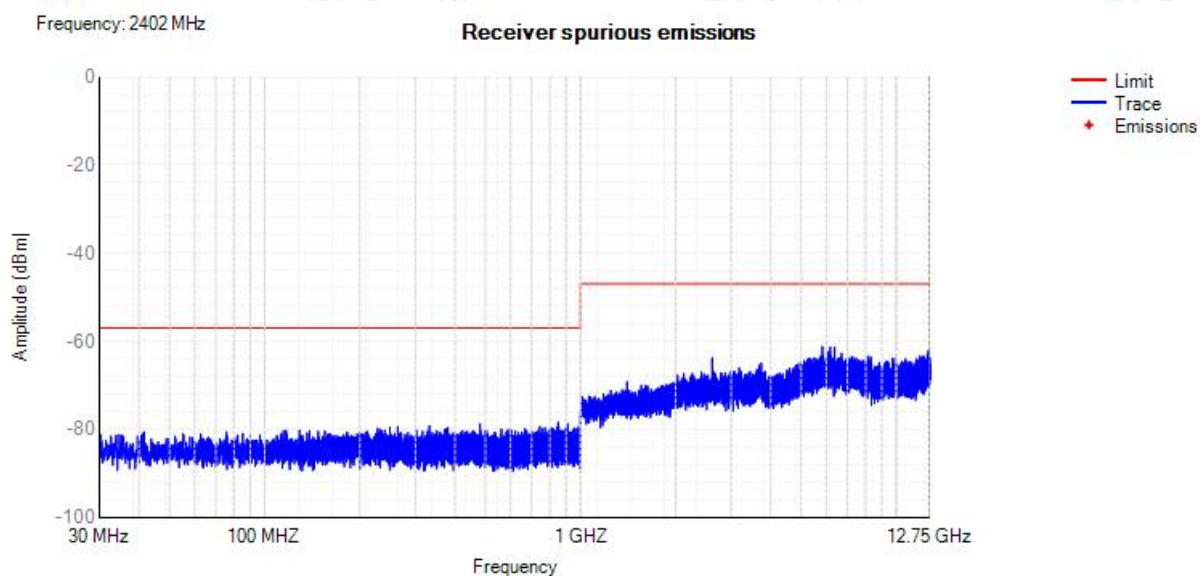


Rx. Spurious NVNT BLE 1M 2480MHz

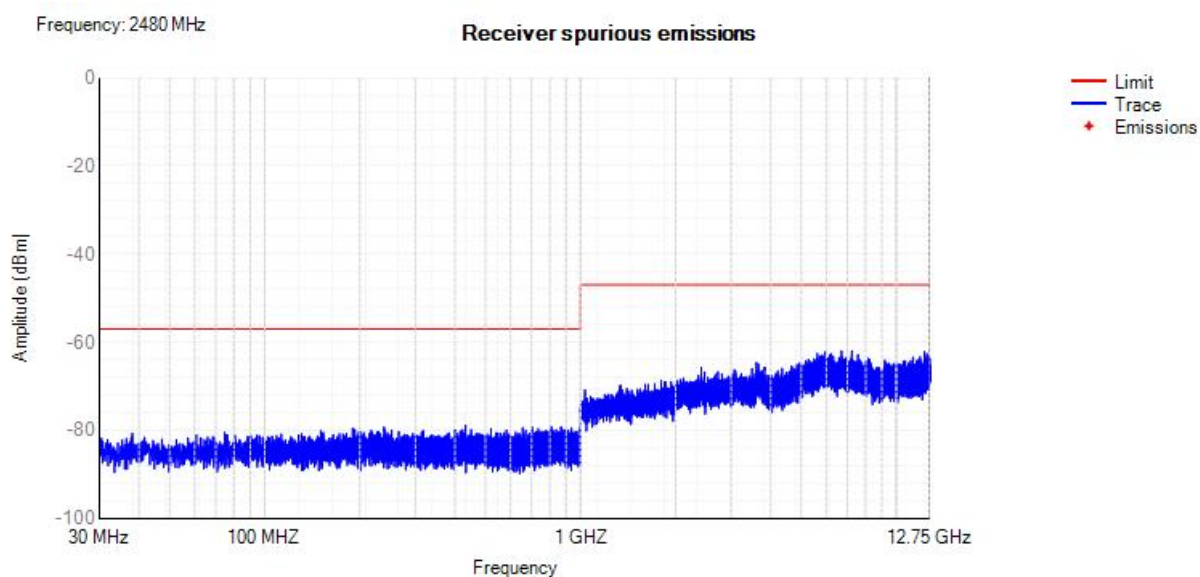




## Rx. Spurious NVNT BLE 2M 2402MHz



## Rx. Spurious NVNT BLE 2M 2480MHz





## F.7 Receiver Blocking

Test Mode	Test Channel (MHz)	Wanted Signal Mean Power from Companion Device (dBm)	Blocking Signal Frequency (MHz)	Blocking Signal Power (dBm)		Type of Blocking Signal	PER(%)		Test Result
				Test Value	Limit		Test Value	Limit	
BLE_1M	2402	-69	2380	-24	≥-34	CW	3.73	10	Pass
			2504	-19	≥-34	CW	4.38	10	Pass
			2300	-24	≥-34	CW	3.96	10	Pass
			2584	-22	≥-34	CW	3.50	10	Pass
	2480	-69	2380	-29	≥-34	CW	2.31	10	Pass
			2504	-23	≥-34	CW	4.71	10	Pass
			2300	-25	≥-34	CW	5.37	10	Pass
			2584	-19	≥-34	CW	3.29	10	Pass
BLE_2M	2402	-65	2380	-30	≥-34	CW	5.41	10	Pass
			2504	-22	≥-34	CW	4.44	10	Pass
			2300	-26	≥-34	CW	1.62	10	Pass
			2584	-25	≥-34	CW	4.78	10	Pass
	2480	-65	2380	-21	≥-34	CW	6.65	10	Pass
			2504	-27	≥-34	CW	4.25	10	Pass
			2300	-22	≥-34	CW	4.21	10	Pass
			2584	-29	≥-34	CW	3.73	10	Pass

