



Appendix I for 5.8G WIFI RF Test Data

Product Name: Smartphone

Test Model: KINGKONG STAR 2

Environmental Conditions

Temperature:	23.7°C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





I.1 Equivalent Isotropically Radiated Power (EIRP)

EIRP(802.11a_Ant6)---Transmitter					
Temperature (°C)	Power Supplied (V)	Test Result (EIRP, dBm)			Limit dBm
		Channel 149	Channel 157	Channel 165	
TL	VL	10.56	10.85	10.77	14
	VN	11.11	10.83	10.67	14
	VH	11.14	10.65	11.07	14
TN	VL	10.90	10.62	11.05	14
	VN	11.25	11.24	11.19	14
	VH	10.90	11.07	10.53	14
TH	VL	10.74	10.78	10.88	14
	VN	10.62	10.86	10.66	14
	VH	10.85	10.81	10.65	14

EIRP(802.11a_Ant7)---Transmitter					
Temperature (°C)	Power Supplied (V)	Test Result (EIRP, dBm)			Limit dBm
		Channel 149	Channel 157	Channel 165	
TL	VL	10.79	10.86	10.76	14
	VN	10.76	10.86	10.56	14
	VH	11.11	11.04	10.58	14
TN	VL	10.72	10.70	10.90	14
	VN	11.31	11.22	11.15	14
	VH	10.77	10.90	10.80	14
TH	VL	10.78	11.10	10.49	14
	VN	11.04	10.85	10.84	14
	VH	10.69	10.55	10.98	14





EIRP(802.11n20_ Channel 149)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.27	10.49	13.39	14
	VN	10.10	10.56	13.35	
	VH	10.08	10.32	13.21	
TN	VL	10.31	10.03	13.18	
	VN	10.57	10.71	13.65	
	VH	9.92	10.48	13.22	
TH	VL	10.01	10.47	13.26	
	VN	10.33	10.04	13.20	
	VH	10.21	10.16	13.20	

EIRP(802.11n20_ Channel 157)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.42	10.58	13.51	14
	VN	10.54	10.56	13.56	
	VH	10.29	10.34	13.33	
TN	VL	10.50	10.70	13.61	
	VN	10.77	10.87	13.83	
	VH	10.18	10.38	13.29	
TH	VL	10.21	10.20	13.22	
	VN	10.65	10.48	13.58	
	VH	10.08	10.30	13.20	





EIRP(802.11n20_Channel 165)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.46	10.50	13.49	14
	VN	10.22	10.38	13.31	
	VH	10.18	10.28	13.24	
TN	VL	10.14	10.38	13.27	
	VN	10.82	10.87	13.86	
	VH	10.50	10.57	13.55	
TH	VL	10.51	10.66	13.60	
	VN	10.65	10.22	13.45	
	VH	10.40	10.23	13.33	

EIRP(802.11ac20_Channel 149)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.45	10.53	13.50	14
	VN	10.46	10.14	13.31	
	VH	10.72	10.14	13.45	
TN	VL	10.35	10.53	13.45	
	VN	10.86	10.71	13.80	
	VH	10.16	10.19	13.19	
TH	VL	10.42	10.30	13.37	
	VN	10.71	10.10	13.43	
	VH	10.50	10.38	13.45	





EIRP(802.11ac20_ Channel 157)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.79	10.09	13.46	14
	VN	10.67	10.05	13.38	
	VH	10.26	10.08	13.18	
TN	VL	10.36	10.06	13.22	
	VN	10.89	10.65	13.78	
	VH	10.29	10.24	13.28	
TH	VL	10.38	10.23	13.32	
	VN	10.73	10.25	13.51	
	VH	10.57	10.23	13.41	

EIRP(802.11ac20_ Channel 165)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.39	10.19	13.30	14
	VN	10.29	10.54	13.43	
	VH	10.59	10.39	13.50	
TN	VL	10.87	10.33	13.62	
	VN	10.98	10.71	13.86	
	VH	10.52	10.32	13.43	
TH	VL	10.52	10.38	13.46	
	VN	10.63	10.24	13.45	
	VH	10.34	10.15	13.26	





EIRP(802.11ax20_ Channel 149)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.12	10.09	13.12	14
	VN	10.50	10.00	13.27	
	VH	10.30	9.97	13.15	
TN	VL	10.18	9.76	12.99	
	VN	10.67	10.41	13.55	
	VH	10.47	9.91	13.21	
TH	VL	10.37	10.28	13.34	
	VN	10.15	9.94	13.06	
	VH	10.42	10.26	13.35	

EIRP(802.11ax20_ Channel 157)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.02	10.01	13.03	14
	VN	10.50	10.23	13.38	
	VH	10.15	10.10	13.14	
TN	VL	10.26	10.12	13.20	
	VN	10.61	10.59	13.61	
	VH	10.36	10.15	13.27	
TH	VL	9.95	10.46	13.22	
	VN	10.21	10.33	13.28	
	VH	10.42	10.21	13.33	





EIRP(802.11ax20_ Channel 165)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.37	10.56	13.48	14
	VN	10.22	10.56	13.40	
	VH	10.19	10.28	13.25	
TN	VL	10.58	10.23	13.42	
	VN	10.79	10.75	13.78	
	VH	10.51	10.29	13.41	
TH	VL	10.10	10.38	13.25	
	VN	10.19	10.37	13.29	
	VH	10.31	10.50	13.42	

EIRP(802.11n40_ Channel 151)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.24	10.54	13.40	14
	VN	10.27	10.50	13.40	
	VH	10.38	10.46	13.43	
TN	VL	10.13	10.09	13.12	
	VN	10.68	10.64	13.67	
	VH	10.52	10.12	13.33	
TH	VL	10.36	10.07	13.23	
	VN	10.45	10.36	13.42	
	VH	10.28	10.27	13.29	





EIRP(802.11n40_Channel 159)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.67	10.33	13.51	14
	VN	10.34	9.98	13.17	
	VH	10.40	10.33	13.38	
TN	VL	10.33	10.42	13.39	
	VN	10.87	10.68	13.79	
	VH	10.66	10.00	13.35	
TH	VL	10.71	10.39	13.56	
	VN	10.42	10.49	13.47	
	VH	10.22	10.25	13.25	

EIRP(802.11ac40_Channel 151)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	9.95	10.39	13.19	14
	VN	10.14	10.06	13.11	
	VH	9.93	10.39	13.18	
TN	VL	10.19	10.18	13.20	
	VN	10.52	10.56	13.55	
	VH	9.90	9.86	12.89	
TH	VL	9.90	9.94	12.93	
	VN	10.35	10.07	13.22	
	VH	10.38	10.42	13.41	





EIRP(802.11ac40_Channel 159)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.37	10.26	13.33	14
	VN	10.58	10.65	13.63	
	VH	10.87	10.38	13.64	
TN	VL	10.48	10.29	13.40	
	VN	10.97	10.76	13.88	
	VH	10.56	10.34	13.46	
TH	VL	10.30	10.07	13.20	
	VN	10.70	10.35	13.54	
	VH	10.51	10.58	13.56	

EIRP(802.11ax40_Channel 151)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.46	10.36	13.42	14
	VN	10.31	10.13	13.23	
	VH	10.42	10.46	13.45	
TN	VL	10.17	10.52	13.36	
	VN	10.73	10.74	13.75	
	VH	10.60	10.25	13.44	
TH	VL	10.30	10.49	13.41	
	VN	10.21	10.09	13.16	
	VH	10.49	10.55	13.53	





EIRP(802.11ax40_ Channel 159)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.44	10.24	13.35	14
	VN	10.58	10.07	13.34	
	VH	10.64	10.57	13.62	
TN	VL	10.28	10.06	13.18	
	VN	10.75	10.69	13.73	
	VH	10.09	10.40	13.26	
TH	VL	10.25	10.39	13.33	
	VN	10.56	10.56	13.57	
	VH	10.46	10.15	13.32	

EIRP(802.11ac80_ Channel 155)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.44	10.55	13.51	14
	VN	10.74	10.33	13.55	
	VH	10.47	10.51	13.50	
TN	VL	10.22	10.27	13.26	
	VN	10.92	10.73	13.84	
	VH	10.45	10.32	13.40	
TH	VL	10.36	10.26	13.32	
	VN	10.65	10.47	13.57	
	VH	10.35	10.16	13.27	





EIRP(802.11ax80_ Channel 155)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		Ant6	Ant7	Ant6+Ant7	
TL	VL	10.51	10.12	13.33	14
	VN	10.58	10.01	13.31	
	VH	10.09	9.98	13.05	
TN	VL	10.42	10.28	13.36	
	VN	10.73	10.65	13.70	
	VH	10.37	10.33	13.36	
TH	VL	10.31	10.07	13.20	
	VN	10.57	10.38	13.49	
	VH	10.37	10.15	13.27	





I.2 Permitted Range of Operating Frequencies

The Worst Case: Ant6

802.11a---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	fL at Low Channel >5725MHz	fH at High Channel (<5875MHz)
TL	VL	5728.81	5833.05
	VN	5728.73	5832.90
	VH	5728.50	5832.97
TN	VL	5728.94	5833.03
	VN	5729.08	5833.31
	VH	5728.66	5832.69
TH	VL	5728.51	5832.72
	VN	5728.43	5833.07
	VH	5728.48	5832.85
Limit	fH(5875MHz) - fL(5725MHz) = 150MHz		

802.11n20---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	fL at Low Channel >5725MHz	fH at High Channel (<5875MHz)
TL	VL	5728.80	5832.71
	VN	5728.57	5832.63
	VH	5728.60	5832.76
TN	VL	5728.91	5833.16
	VN	5729.08	5833.31
	VH	5728.82	5833.12
TH	VL	5728.97	5832.64
	VN	5728.54	5833.03
	VH	5728.38	5833.19
Limit	fH(5875MHz) - fL(5725MHz) = 150MHz		





802.11ac20---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	fL at Low Channel >5725MHz	fH at High Channel (<5875MHz)
TL	VL	5728.84	5832.92
	VN	5728.58	5833.06
	VH	5728.50	5832.65
TN	VL	5728.51	5832.88
	VN	5729.08	5833.31
	VH	5728.72	5832.81
TH	VL	5728.51	5832.98
	VN	5728.49	5832.70
	VH	5728.80	5832.82
Limit	fH(5875MHz) - fL(5725MHz) = 150MHz		

802.11ax20---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	fL at Low Channel >5725MHz	fH at High Channel (<5875MHz)
TL	VL	5728.78	5833.13
	VN	5728.54	5833.10
	VH	5728.57	5833.13
TN	VL	5728.90	5832.67
	VN	5729.08	5833.31
	VH	5728.65	5832.90
TH	VL	5728.97	5832.65
	VN	5728.91	5833.20
	VH	5728.87	5833.09
Limit	fH(5875MHz) - fL(5725MHz) = 150MHz		





802.11n40---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	fL at Low Channel >5725MHz	fH at High Channel (<5875MHz)
TL	VL	5735.96	5812.89
	VN	5736.34	5812.86
	VH	5736.01	5812.81
TN	VL	5736.20	5813.05
	VN	5736.55	5813.36
	VH	5736.01	5812.94
TH	VL	5736.42	5812.85
	VN	5736.06	5812.80
	VH	5736.28	5813.10
Limit	fH(5875MHz) - fL(5725MHz) = 150MHz		

802.11ac40---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	fL at Low Channel >5725MHz	fH at High Channel (<5875MHz)
TL	VL	5736.08	5813.15
	VN	5735.95	5812.66
	VH	5736.45	5812.90
TN	VL	5736.04	5812.79
	VN	5736.55	5813.36
	VH	5736.41	5812.94
TH	VL	5736.22	5812.68
	VN	5736.38	5812.95
	VH	5736.21	5813.23
Limit	fH(5875MHz) - fL(5725MHz) = 150MHz		





802.11ax40---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	fL at Low Channel >5725MHz	fH at High Channel (<5875MHz)
TL	VL	5736.24	5812.96
	VN	5736.06	5812.66
	VH	5735.98	5812.72
TN	VL	5736.37	5813.12
	VN	5736.55	5813.36
	VH	5736.17	5812.78
TH	VL	5736.12	5813.22
	VN	5736.03	5812.75
	VH	5735.92	5813.20
Limit	fH(5875MHz) - fL(5725MHz) = 150MHz		

802.11ac80---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	fL at Low Channel >5725MHz	fH at High Channel (<5875MHz)
TL	VL	5735.76	5813.67
	VN	5735.98	5813.28
	VH	5735.55	5813.76
TN	VL	5735.67	5813.27
	VN	5736.12	5813.96
	VH	5735.95	5813.80
TH	VL	5735.67	5813.78
	VN	5735.65	5813.37
	VH	5735.58	5813.84
Limit	fH(5875MHz) - fL(5725MHz) = 150MHz		





802.11ax80---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	fL at Low Channel >5725MHz	fH at High Channel (<5875MHz)
TL	VL	5735.90	5813.59
	VN	5735.58	5813.74
	VH	5735.74	5813.61
TN	VL	5735.94	5813.32
	VN	5736.12	5813.96
	VH	5735.82	5813.54
TH	VL	5735.79	5813.77
	VN	5735.52	5813.47
	VH	5735.55	5813.75
Limit	$f_H(5875\text{MHz}) - f_L(5725\text{MHz}) = 150\text{MHz}$		





I.3 Unwanted Emissions in the Spurious Domain

Test Result of Unwanted Emissions In The Spurious Domain (802.11a)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
83.93	Vertical	-56.88	-36.00	Pass
284.11	V	-62.10	-36.00	
11490.00	V	-46.62	-30.00	
17235.00	V	-44.86	-30.00	
170.87	Horizontal	-57.87	-36.00	
533.84	H	-59.03	-54.00	
11490.00	H	-43.57	-30.00	
17235.00	H	-42.58	-30.00	
Middle Channel				
85.96	Vertical	-61.70	-36.00	Pass
293.95	V	-63.98	-36.00	
11570.00	V	-47.69	-30.00	
17355.00	V	-45.09	-30.00	
176.14	Horizontal	-58.00	-54.00	
529.46	H	-61.69	-54.00	
11570.00	H	-44.26	-30.00	
17355.00	H	-44.56	-30.00	
Highest Channel				
93.81	Vertical	-58.93	-54.00	Pass
275.69	V	-62.03	-36.00	
11650.00	V	-46.59	-30.00	
17475.00	V	-44.15	-30.00	
174.59	Horizontal	-59.28	-54.00	
559.41	H	-61.33	-54.00	
11650.00	H	-44.39	-30.00	
17475.00	H	-44.11	-30.00	





Test Result of Unwanted Emissions In The Spurious Domain (802.11n20)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
85.42	Vertical	-59.23	-36.00	Pass
286.46	V	-60.52	-36.00	
11490.00	V	-45.66	-30.00	
17235.00	V	-43.60	-30.00	
170.02	Horizontal	-58.81	-36.00	
535.38	H	-58.51	-54.00	
11490.00	H	-45.91	-30.00	
17235.00	H	-44.02	-30.00	
Middle Channel				
84.46	Vertical	-60.43	-36.00	Pass
295.36	V	-64.59	-36.00	
11570.00	V	-46.80	-30.00	
17355.00	V	-45.26	-30.00	
173.81	Horizontal	-58.17	-36.00	
533.52	H	-63.26	-54.00	
11570.00	H	-46.04	-30.00	
17355.00	H	-44.20	-30.00	
Highest Channel				
92.85	Vertical	-61.65	-54.00	Pass
277.73	V	-63.49	-36.00	
11650.00	V	-47.71	-30.00	
17475.00	V	-43.21	-30.00	
177.68	Horizontal	-60.61	-54.00	
560.60	H	-58.58	-54.00	
11650.00	H	-47.36	-30.00	
17475.00	H	-42.46	-30.00	





Test Result of Unwanted Emissions In The Spurious Domain (802.11ac20)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
82.03	Vertical	-58.23	-36.00	Pass
284.90	V	-62.80	-36.00	
11490.00	V	-47.23	-30.00	
17235.00	V	-44.64	-30.00	
168.99	Horizontal	-57.77	-36.00	
530.44	H	-59.87	-54.00	
11490.00	H	-43.88	-30.00	
17235.00	H	-42.62	-30.00	
Middle Channel				
86.19	Vertical	-61.04	-36.00	Pass
294.58	V	-63.57	-36.00	
11570.00	V	-45.75	-30.00	
17355.00	V	-46.15	-30.00	
174.80	Horizontal	-59.32	-54.00	
532.61	H	-60.71	-54.00	
11570.00	H	-43.90	-30.00	
17355.00	H	-44.57	-30.00	
Highest Channel				
92.14	Vertical	-59.94	-54.00	Pass
281.59	V	-62.12	-36.00	
11650.00	V	-45.63	-30.00	
17475.00	V	-46.22	-30.00	
174.48	Horizontal	-57.58	-54.00	
561.65	H	-60.26	-54.00	
11650.00	H	-44.73	-30.00	
17475.00	H	-45.33	-30.00	





Test Result of Unwanted Emissions In The Spurious Domain (802.11ax20)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
80.78	Vertical	-57.62	-36.00	Pass
286.55	V	-62.70	-36.00	
11490.00	V	-47.54	-30.00	
17235.00	V	-43.77	-30.00	
171.42	Horizontal	-59.23	-36.00	
534.74	H	-59.57	-54.00	
11490.00	H	-43.39	-30.00	
17235.00	H	-44.71	-30.00	
Middle Channel				
85.58	Vertical	-61.15	-36.00	Pass
297.73	V	-64.62	-36.00	
11570.00	V	-45.75	-30.00	
17355.00	V	-43.16	-30.00	
171.49	Horizontal	-58.98	-36.00	
530.24	H	-60.88	-54.00	
11570.00	H	-44.00	-30.00	
17355.00	H	-43.59	-30.00	
Highest Channel				
91.57	Vertical	-60.95	-54.00	Pass
276.40	V	-62.45	-36.00	
11650.00	V	-45.94	-30.00	
17475.00	V	-44.23	-30.00	
177.91	Horizontal	-58.11	-54.00	
563.25	H	-58.48	-54.00	
11650.00	H	-45.38	-30.00	
17475.00	H	-42.08	-30.00	





Test Result of Unwanted Emissions In The Spurious Domain (802.11n40)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
89.04	Vertical	-60.69	-54.00	Pass
301.98	V	-62.15	-36.00	
11510.00	V	-45.63	-30.00	
17265.00	V	-43.77	-30.00	
171.57	Horizontal	-57.33	-36.00	
536.40	H	-63.23	-54.00	
11510.00	H	-44.41	-30.00	
17265.00	H	-45.29	-30.00	
Highest Channel				
91.01	Vertical	-60.02	-54.00	Pass
281.12	V	-62.48	-36.00	
11590.00	V	-44.50	-30.00	
17385.00	V	-44.26	-30.00	
175.20	Horizontal	-59.06	-54.00	
563.52	H	-59.47	-54.00	
11590.00	H	-45.39	-30.00	
17385.00	H	-44.27	-30.00	





Test Result of Unwanted Emissions In The Spurious Domain (802.11ac40)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
86.61	Vertical	-60.64	-36.00	Pass
297.23	V	-65.04	-36.00	
11510.00	V	-45.87	-30.00	
17265.00	V	-43.58	-30.00	
171.96	Horizontal	-60.00	-36.00	
534.88	H	-62.79	-54.00	
11510.00	H	-44.41	-30.00	
17265.00	H	-44.74	-30.00	
Highest Channel				
90.69	Vertical	-60.91	-54.00	Pass
280.75	V	-61.67	-36.00	
11590.00	V	-44.84	-30.00	
17385.00	V	-43.48	-30.00	
176.44	Horizontal	-59.36	-54.00	
565.75	H	-59.67	-54.00	
11590.00	H	-45.86	-30.00	
17385.00	H	-44.23	-30.00	





Test Result of Unwanted Emissions In The Spurious Domain (802.11ax40)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
86.89	Vertical	-60.54	-36.00	Pass
299.48	V	-64.46	-36.00	
11510.00	V	-45.68	-30.00	
17265.00	V	-46.33	-30.00	
170.06	Horizontal	-58.80	-36.00	
532.94	H	-62.73	-54.00	
11510.00	H	-43.46	-30.00	
17265.00	H	-44.51	-30.00	
Highest Channel				
95.81	Vertical	-60.02	-54.00	Pass
279.29	V	-62.04	-36.00	
11590.00	V	-47.62	-30.00	
17385.00	V	-46.12	-30.00	
175.46	Horizontal	-58.21	-54.00	
564.46	H	-60.25	-54.00	
11590.00	H	-46.70	-30.00	
17385.00	H	-42.62	-30.00	





Test Result of Unwanted Emissions In The Spurious Domain (802.11ac80)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
96.46	Vertical	-59.82	-54.00	Pass
279.97	V	-63.05	-36.00	
11550.00	V	-47.41	-30.00	
17325.00	V	-44.63	-30.00	
177.35	Horizontal	-60.41	-54.00	
568.23	H	-61.48	-54.00	
11550.00	H	-46.49	-30.00	
17325.00	H	-42.71	-30.00	

Test Result of Unwanted Emissions In The Spurious Domain (802.11ax80)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
91.88	Vertical	-61.07	-54.00	Pass
281.86	V	-60.74	-36.00	
11550.00	V	-46.64	-30.00	
17325.00	V	-44.06	-30.00	
175.44	Horizontal	-60.17	-54.00	
563.56	H	-60.57	-54.00	
11550.00	H	-47.22	-30.00	
17325.00	H	-44.12	-30.00	





I.4 Adjacent Channel Selectivity

Receiver category: 1								
Test Channel (Worst Case)		The signal of adjacent channel(signal generator B)						
		Adjacent channel		BW (MHz)	K (dB)	Test Value (dBm)	Limit (dBm)	Verdict
157	5785MHz	153	5765MHz(lower)	20	-28.26	-49.46	≥-58.26	Pass
		161	5805MHz(upper)	20	-28.26	-49.47	≥-58.26	Pass
151	5755MHz	/	5715MHz(lower)	40	-31.22	-59.42	≥-61.22	Pass
		159	5805MHz(upper)	40	-31.22	-59.42	≥-61.22	Pass

Note: The BW(channel bandwidth) is declared by the manufacturer of the equipment.





I.5 Blocking or Desensitization

Receiver category: 1									
Test Channel (Worst Case)		Lower or upper	Spacing	Frequency (MHz)	BW (MHz)	K (dB)	Test Value (dBm)	Limit (dBm)	Verdict
157	5785MHz	Lower	10*BW	5575	20	-28.26	-37.44	≥-58.26	Pass
			20*BW	5375	20	-28.26	-30.43	≥-58.26	Pass
			50*BW	4775	20	-28.26	-24.47	≥-58.26	Pass
		Upper	10*BW	5995	20	-28.26	-37.44	≥-58.26	Pass
			20*BW	6195	20	-28.26	-30.47	≥-58.26	Pass
			50*BW	6795	20	-28.26	-24.44	≥-58.26	Pass
151	5755MHz	Lower	10*BW	5325	40	-31.22	-37.41	≥-61.22	Pass
			20*BW	4925	40	-31.22	-30.46	≥-61.22	Pass
			50*BW	3725	40	-31.22	-24.50	≥-61.22	Pass
		Upper	10*BW	6175	40	-31.22	-37.44	≥-61.22	Pass
			20*BW	6575	40	-31.22	-30.47	≥-61.22	Pass
			50*BW	7775	40	-31.22	-24.44	≥-61.22	Pass

Note: The BW(channel bandwidth) is declared by the manufacturer of the equipment.





I.6 Spurious Radiations

Test Result of Spurious Radiations (802.11a)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
96.99	Vertical	-68.51	-57.00	Pass
745.45	V	-64.95	-57.00	
11490.00	V	-60.42	-47.00	
17235.00	V	-59.50	-47.00	
73.38	Horizontal	-68.55	-57.00	
154.37	H	-63.13	-57.00	
11490.00	H	-60.51	-47.00	
17235.00	H	-60.88	-47.00	
Middle Channel				
132.24	Vertical	-68.55	-57.00	Pass
561.82	V	-65.09	-57.00	
11570.00	V	-62.98	-47.00	
17355.00	V	-58.95	-47.00	
148.06	Horizontal	-68.34	-57.00	
605.58	H	-64.01	-57.00	
11570.00	H	-62.30	-47.00	
17355.00	H	-60.56	-47.00	
Highest Channel				
225.33	Vertical	-67.72	-57.00	Pass
786.21	V	-64.78	-57.00	
11650.00	V	-61.30	-47.00	
17475.00	V	-59.92	-47.00	
85.18	Horizontal	-70.06	-57.00	
467.36	H	-64.73	-57.00	
11650.00	H	-61.90	-47.00	
17475.00	H	-60.58	-47.00	





Test Result of Spurious Radiations (802.11n20)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
95.40	Vertical	-67.74	-57.00	Pass
742.55	V	-65.97	-57.00	
11490.00	V	-63.18	-47.00	
17235.00	V	-59.45	-47.00	
73.81	Horizontal	-67.96	-57.00	
156.44	H	-64.80	-57.00	
11490.00	H	-62.08	-47.00	
17235.00	H	-57.59	-47.00	
Middle Channel				
131.94	Vertical	-68.05	-57.00	Pass
563.78	V	-63.64	-57.00	
11570.00	V	-61.19	-47.00	
17355.00	V	-60.95	-47.00	
147.70	Horizontal	-66.89	-57.00	
605.14	H	-62.38	-57.00	
11570.00	H	-61.70	-47.00	
17355.00	H	-60.96	-47.00	
Highest Channel				
223.78	Vertical	-67.21	-57.00	Pass
786.81	V	-65.69	-57.00	
11650.00	V	-63.58	-47.00	
17475.00	V	-60.38	-47.00	
83.48	Horizontal	-69.32	-57.00	
468.34	H	-62.44	-57.00	
11650.00	H	-62.19	-47.00	
17475.00	H	-60.97	-47.00	





Test Result of Spurious Radiations (802.11ac20)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
92.10	Vertical	-68.58	-57.00	Pass
743.34	V	-62.87	-57.00	
11490.00	V	-61.03	-47.00	
17235.00	V	-57.80	-47.00	
75.78	Horizontal	-68.42	-57.00	
153.04	H	-64.16	-57.00	
11490.00	H	-63.04	-47.00	
17235.00	H	-60.60	-47.00	
Middle Channel				
132.02	Vertical	-67.51	-57.00	Pass
562.23	V	-65.63	-57.00	
11570.00	V	-62.48	-47.00	
17355.00	V	-58.10	-47.00	
145.05	Horizontal	-66.66	-57.00	
606.57	H	-63.57	-57.00	
11570.00	H	-60.05	-47.00	
17355.00	H	-58.94	-47.00	
Highest Channel				
225.33	Vertical	-67.53	-57.00	Pass
787.78	V	-63.98	-57.00	
11650.00	V	-63.05	-47.00	
17475.00	V	-59.29	-47.00	
86.22	Horizontal	-67.87	-57.00	
464.58	H	-63.95	-57.00	
11650.00	H	-61.92	-47.00	
17475.00	H	-58.17	-47.00	





Test Result of Spurious Radiations (802.11ax20)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
97.05	Vertical	-66.32	-57.00	Pass
741.34	V	-65.95	-57.00	
11490.00	V	-62.68	-47.00	
17235.00	V	-58.26	-47.00	
76.34	Horizontal	-68.93	-57.00	
152.60	H	-62.52	-57.00	
11490.00	H	-61.72	-47.00	
17235.00	H	-60.60	-47.00	
Middle Channel				
132.20	Vertical	-68.87	-57.00	Pass
563.81	V	-63.45	-57.00	
11570.00	V	-63.16	-47.00	
17355.00	V	-58.50	-47.00	
148.79	Horizontal	-68.80	-57.00	
607.50	H	-63.50	-57.00	
11570.00	H	-60.58	-47.00	
17355.00	H	-61.24	-47.00	
Highest Channel				
223.92	Vertical	-68.33	-57.00	Pass
785.85	V	-64.51	-57.00	
11650.00	V	-62.18	-47.00	
17475.00	V	-60.91	-47.00	
83.97	Horizontal	-67.97	-57.00	
465.53	H	-65.23	-57.00	
11650.00	H	-62.89	-47.00	
17475.00	H	-59.12	-47.00	





Test Result of Spurious Radiations (802.11n40)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
92.23	Vertical	-67.55	-57.00	Pass
742.14	V	-63.60	-57.00	
11510.00	V	-61.45	-47.00	
17265.00	V	-60.97	-47.00	
74.69	Horizontal	-69.38	-57.00	
154.55	H	-64.14	-57.00	
11510.00	H	-60.27	-47.00	
17265.00	H	-60.64	-47.00	
Highest Channel				
226.32	Vertical	-67.38	-57.00	Pass
785.30	V	-64.89	-57.00	
11590.00	V	-62.28	-47.00	
17385.00	V	-58.86	-47.00	
83.62	Horizontal	-67.96	-57.00	
468.96	H	-63.77	-57.00	
11590.00	H	-60.59	-47.00	
17385.00	H	-58.85	-47.00	





Test Result of Spurious Radiations (802.11ac40)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
96.92	Vertical	-68.60	-57.00	Pass
746.55	V	-62.53	-57.00	
11510.00	V	-60.24	-47.00	
17265.00	V	-59.04	-47.00	
71.28	Horizontal	-66.76	-57.00	
154.52	H	-62.82	-57.00	
11510.00	H	-59.84	-47.00	
17265.00	H	-58.52	-47.00	
Highest Channel				
223.75	Vertical	-68.60	-57.00	Pass
789.70	V	-63.97	-57.00	
11590.00	V	-61.92	-47.00	
17385.00	V	-58.35	-47.00	
84.56	Horizontal	-69.58	-57.00	
469.96	H	-65.14	-57.00	
11590.00	H	-61.75	-47.00	
17385.00	H	-59.68	-47.00	





Test Result of Spurious Radiations (802.11ax40)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
96.55	Vertical	-68.84	-57.00	Pass
744.13	V	-62.87	-57.00	
11510.00	V	-59.78	-47.00	
17265.00	V	-61.05	-47.00	
75.53	Horizontal	-66.69	-57.00	
154.22	H	-62.29	-57.00	
11510.00	H	-61.86	-47.00	
17265.00	H	-60.76	-47.00	
Highest Channel				
226.02	Vertical	-66.74	-57.00	Pass
785.84	V	-63.33	-57.00	
11590.00	V	-61.86	-47.00	
17385.00	V	-59.10	-47.00	
82.28	Horizontal	-70.17	-57.00	
464.69	H	-65.47	-57.00	
11590.00	H	-63.48	-47.00	
17385.00	H	-60.73	-47.00	





Test Result of Spurious Radiations (802.11ac80)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
223.07	Vertical	-69.85	-57.00	Pass
785.63	V	-65.06	-57.00	
11550.00	V	-63.32	-47.00	
17325.00	V	-61.66	-47.00	
83.96	Horizontal	-67.04	-57.00	
465.30	H	-62.82	-57.00	
11550.00	H	-62.12	-47.00	
17325.00	H	-58.94	-47.00	

Test Result of Spurious Radiations (802.11ax80)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
227.62	Vertical	-67.33	-57.00	Pass
787.35	V	-64.50	-57.00	
11550.00	V	-61.91	-47.00	
17325.00	V	-59.85	-47.00	
84.28	Horizontal	-67.00	-57.00	
465.28	H	-63.97	-57.00	
11550.00	H	-63.67	-47.00	
17325.00	H	-61.10	-47.00	

