

Appendix I for 5.8G WIFI RF Test Data**Product Name: AX3000 Wi-Fi 6 Bluetooth 5.0 PCIe Adapter****Test Model: WE3000S****Additional Model No.: WE3000, WE3500, WE3600, WE4000, WE3700,
WE3800, WE3900****Environmental Conditions**

Temperature:	22.8° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

I.1 Equivalent Isotropically Radiated Power (EIRP)

EIRP(802.11a_ANT0)---Transmitter					
Temperature (°C)	Power Supplied (V)	Test Result (EIRP, dBm)			Limit dBm
		Channel 149	Channel 157	Channel 165	
0°C	AC 100V	9.49	9.58	9.05	14
	AC 230V	9.85	9.85	9.85	14
	AC 240V	9.65	9.60	9.04	14
25°C	AC 100V	9.73	9.68	9.15	14
	AC 230V	10.09	10.01	10.08	14
	AC 240V	9.82	9.74	9.23	14
35°C	AC 100V	9.53	9.54	8.93	14
	AC 230V	9.92	9.76	9.96	14
	AC 240V	9.61	9.56	9.01	14

EIRP(802.11a_ANT1)---Transmitter					
Temperature (°C)	Power Supplied (V)	Test Result (EIRP, dBm)			Limit dBm
		Channel 149	Channel 157	Channel 165	
0°C	AC 100V	8.60	8.62	9.42	14
	AC 230V	9.69	9.57	9.82	14
	AC 240V	9.52	8.77	9.00	14
25°C	AC 100V	8.83	8.77	9.63	14
	AC 230V	9.88	9.68	10.06	14
	AC 240V	9.75	8.94	9.25	14
35°C	AC 100V	8.63	8.65	9.50	14
	AC 230V	9.77	9.51	9.90	14
	AC 240V	9.51	8.76	9.09	14

EIRP(802.11n20_ Channel 149)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	8.66	8.54	11.61	14
	AC 230V	9.56	9.34	12.46	
	AC 240V	8.59	8.66	11.64	
25°C	AC 100V	8.83	8.75	11.80	
	AC 230V	9.67	9.55	12.62	
	AC 240V	8.72	8.79	11.77	
35°C	AC 100V	8.63	8.53	11.59	
	AC 230V	9.48	9.43	12.47	
	AC 240V	8.52	8.55	11.55	

EIRP(802.11n20_ Channel 157)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	8.47	8.50	11.50	14
	AC 230V	9.53	9.35	12.45	
	AC 240V	8.59	8.55	11.58	
25°C	AC 100V	8.71	8.73	11.73	
	AC 230V	9.66	9.47	12.58	
	AC 240V	8.69	8.70	11.71	
35°C	AC 100V	8.58	8.53	11.57	
	AC 230V	9.49	9.33	12.42	
	AC 240V	8.44	8.60	11.53	

EIRP(802.11n20_ Channel 165)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.40	8.73	12.09	14
	AC 230V	9.75	9.67	12.72	
	AC 240V	9.31	8.63	11.99	
25°C	AC 100V	9.63	8.91	12.30	
	AC 230V	9.94	9.80	12.88	
	AC 240V	9.54	8.82	12.21	
35°C	AC 100V	9.42	8.78	12.12	
	AC 230V	9.71	9.61	12.67	
	AC 240V	9.38	8.63	12.03	

EIRP(802.11ac20_Channel 149)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.55	9.72	12.65	14
	AC 230V	9.72	9.79	12.77	
	AC 240V	9.54	9.50	12.53	
25°C	AC 100V	9.75	9.87	12.82	
	AC 230V	9.88	9.94	12.92	
	AC 240V	9.73	9.63	12.69	
35°C	AC 100V	9.63	9.69	12.67	
	AC 230V	9.73	9.76	12.76	
	AC 240V	9.48	9.40	12.45	

EIRP(802.11ac20_Channel 157)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.46	9.45	12.47	14
	AC 230V	9.46	9.61	12.55	
	AC 240V	9.21	9.49	12.36	
25°C	AC 100V	9.68	9.58	12.64	
	AC 230V	9.70	9.74	12.73	
	AC 240V	9.43	9.67	12.56	
35°C	AC 100V	9.57	9.43	12.51	
	AC 230V	9.47	9.53	12.51	
	AC 240V	9.29	9.46	12.39	

EIRP(802.11ac20_Channel 165)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.61	9.82	12.73	14
	AC 230V	9.96	10.05	13.02	
	AC 240V	9.53	9.93	12.74	
25°C	AC 100V	9.85	9.98	12.93	
	AC 230V	10.10	10.20	13.16	
	AC 240V	9.67	10.11	12.91	
35°C	AC 100V	9.70	9.80	12.76	
	AC 230V	9.98	10.02	13.01	
	AC 240V	9.43	10.00	12.73	

EIRP(802.11n40_Channel 151)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	8.76	8.70	11.74	14
	AC 230V	9.60	9.52	12.57	
	AC 240V	8.70	8.58	11.65	
25°C	AC 100V	8.91	8.84	11.89	
	AC 230V	9.79	9.69	12.75	
	AC 240V	8.89	8.74	11.83	
35°C	AC 100V	8.77	8.62	11.71	
	AC 230V	9.57	9.59	12.59	
	AC 240V	8.66	8.52	11.60	

EIRP(802.11n40_Channel 159)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	8.94	9.02	11.99	14
	AC 230V	9.24	9.30	12.28	
	AC 240V	9.12	9.06	12.10	
25°C	AC 100V	9.17	9.23	12.21	
	AC 230V	9.44	9.42	12.44	
	AC 240V	9.31	9.19	12.26	
35°C	AC 100V	8.94	9.04	12.00	
	AC 230V	9.27	9.31	12.30	
	AC 240V	9.11	8.95	12.04	

EIRP(802.11ac40_Channel 151)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.23	9.54	12.40	14
	AC 230V	9.76	9.74	12.76	
	AC 240V	9.28	9.41	12.36	
25°C	AC 100V	9.43	9.74	12.60	
	AC 230V	9.87	9.88	12.89	
	AC 240V	9.49	9.52	12.52	
35°C	AC 100V	9.25	9.54	12.41	
	AC 230V	9.77	9.74	12.77	
	AC 240V	9.26	9.30	12.29	

EIRP(802.11ac40_Channel 159)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.11	9.42	12.28	14
	AC 230V	9.56	9.54	12.56	
	AC 240V	9.24	9.34	12.30	
25°C	AC 100V	9.35	9.56	12.47	
	AC 230V	9.67	9.71	12.70	
	AC 240V	9.41	9.48	12.46	
35°C	AC 100V	9.16	9.46	12.32	
	AC 230V	9.43	9.49	12.47	
	AC 240V	9.24	9.34	12.30	

EIRP(802.11ac80_Channel 155)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.29	9.62	12.47	14
	AC 230V	9.73	9.74	12.75	
	AC 240V	9.64	9.39	12.53	
25°C	AC 100V	9.49	9.72	12.62	
	AC 230V	9.94	9.95	12.96	
	AC 240V	9.84	9.56	12.71	
35°C	AC 100V	9.38	9.54	12.47	
	AC 230V	9.76	9.74	12.76	
	AC 240V	9.69	9.39	12.55	

EIRP(802.11ax20_Channel 149)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.43	9.19	12.32	14
	AC 230V	9.36	9.21	12.30	
	AC 240V	9.34	9.19	12.28	
25°C	AC 100V	9.42	9.15	12.30	
	AC 230V	9.49	9.27	12.39	
	AC 240V	9.42	9.13	12.29	
35°C	AC 100V	9.40	9.21	12.32	
	AC 230V	9.44	9.20	12.33	
	AC 240V	9.38	9.15	12.28	

EIRP(802.11ax20_Channel 157)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.17	9.64	12.42	14
	AC 230V	9.16	9.65	12.42	
	AC 240V	9.17	9.64	12.42	
25°C	AC 100V	9.20	9.62	12.43	
	AC 230V	9.27	9.76	12.53	
	AC 240V	9.21	9.68	12.46	
35°C	AC 100V	9.14	9.70	12.44	
	AC 230V	9.13	9.62	12.39	
	AC 240V	9.17	9.63	12.42	

EIRP(802.11ax20_Channel 165)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.24	9.28	12.27	14
	AC 230V	9.17	9.24	12.22	
	AC 240V	9.24	9.19	12.23	
25°C	AC 100V	9.26	9.25	12.27	
	AC 230V	9.31	9.34	12.34	
	AC 240V	9.16	9.26	12.22	
35°C	AC 100V	9.18	9.20	12.20	
	AC 230V	9.18	9.25	12.23	
	AC 240V	9.19	9.21	12.21	

EIRP(802.11ax40_Channel 151)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.47	9.07	12.28	14
	AC 230V	9.49	9.04	12.28	
	AC 240V	9.43	9.05	12.25	
25°C	AC 100V	9.47	9.03	12.27	
	AC 230V	9.57	9.13	12.37	
	AC 240V	9.52	9.01	12.28	
35°C	AC 100V	9.51	9.05	12.30	
	AC 230V	9.51	9.05	12.30	
	AC 240V	9.44	9.04	12.25	

EIRP(802.11ax40_Channel 159)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.11	9.53	12.34	14
	AC 230V	9.17	9.52	12.36	
	AC 240V	9.16	9.47	12.33	
25°C	AC 100V	9.19	9.54	12.38	
	AC 230V	9.25	9.62	12.45	
	AC 240V	9.15	9.55	12.36	
35°C	AC 100V	9.20	9.55	12.39	
	AC 230V	9.12	9.51	12.33	
	AC 240V	9.18	9.56	12.38	

EIRP(802.11ax80_Channel 155)---Transmitter					
Temperature (°C)	Power Supplied (V)	RF Output Power EIRP(dBm)			Limit (dBm)
		ANT0	ANT1	ANT0+ANT1	
0°C	AC 100V	9.48	9.38	12.44	14
	AC 230V	9.43	9.40	12.43	
	AC 240V	9.47	9.39	12.44	
25°C	AC 100V	9.52	9.34	12.44	
	AC 230V	9.58	9.47	12.54	
	AC 240V	9.50	9.37	12.45	
35°C	AC 100V	9.47	9.35	12.42	
	AC 230V	9.49	9.36	12.44	
	AC 240V	9.44	9.37	12.42	

I.2 Permitted Range of Operating Frequencies

The Worst Case: ANT0

802.11a---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	f _L at Low Channel >5725MHz	f _H at High Channel (<5875MHz)
T _{min} =0℃	AC 100V	5729.32	5743.56
	AC 230V	5729.41	5743.56
	AC 240V	5729.38	5743.62
T _{nor} = 25℃	AC 100V	5729.19	5743.72
	AC 230V	5729.19	5743.54
	AC 240V	5729.05	5743.45
T _{max} =35℃	AC 100V	5729.20	5743.48
	AC 230V	5729.51	5743.68
	AC 240V	5729.30	5743.53
Limit	f _H (5875MHz) - f _L (5725MHz) = 150MHz		

802.11n20---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	f _L at Low Channel >5725MHz	f _H at High Channel (<5875MHz)
T _{min} =0℃	AC 100V	5729.32	5743.59
	AC 230V	5729.31	5743.52
	AC 240V	5729.39	5743.67
T _{nor} = 25℃	AC 100V	5729.33	5743.68
	AC 230V	5729.39	5743.55
	AC 240V	5729.22	5743.37
T _{max} =35℃	AC 100V	5729.15	5743.48
	AC 230V	5729.45	5743.66
	AC 240V	5729.29	5743.59
Limit	f _H (5875MHz) - f _L (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)
Tmin =0℃	AC 100V	5729.32	5743.52
	AC 230V	5729.48	5743.65
	AC 240V	5729.36	5743.65
Tnor = 25℃	AC 100V	5729.38	5743.56
	AC 230V	5729.31	5743.49
	AC 240V	5729.13	5743.50
Tmax =35℃	AC 100V	5729.21	5743.45
	AC 230V	5729.51	5743.68
	AC 240V	5729.35	5743.58
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)
Tmin =0℃	AC 100V	5729.37	5743.59
	AC 230V	5729.33	5743.62
	AC 240V	5729.31	5743.69
Tnor = 25℃	AC 100V	5729.31	5743.70
	AC 230V	5729.34	5743.57
	AC 240V	5729.02	5743.44
Tmax =35℃	AC 100V	5729.27	5743.41
	AC 230V	5729.47	5743.75
	AC 240V	5729.30	5743.63
Limit	fH(5875MHz) - fL(5725MHz) = 150MHz		

802.11ac40---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	f _L at Low Channel >5725MHz	f _H at High Channel (<5875MHz)
T _{min} =0℃	AC 100V	5729.27	5743.48
	AC 230V	5729.38	5743.47
	AC 240V	5729.31	5743.69
T _{nor} = 25℃	AC 100V	5729.29	5743.70
	AC 230V	5729.38	5743.49
	AC 240V	5729.08	5743.40
T _{max} =35℃	AC 100V	5729.18	5743.52
	AC 230V	5729.40	5743.66
	AC 240V	5729.43	5743.54
Limit	f _H (5875MHz) - f _L (5725MHz) = 150MHz		

802.11ac80---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	f _L at Low Channel >5725MHz	f _H at High Channel (<5875MHz)
T _{min} =0℃	AC 100V	5729.35	5743.59
	AC 230V	5729.46	5743.54
	AC 240V	5729.29	5743.66
T _{nor} = 25℃	AC 100V	5729.39	5743.54
	AC 230V	5729.34	5743.46
	AC 240V	5729.12	5743.49
T _{max} =35℃	AC 100V	5729.28	5743.44
	AC 230V	5729.45	5743.53
	AC 240V	5729.25	5743.47
Limit	f _H (5875MHz) - f _L (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)
Tmin =0℃	AC 100V	5729.61	5743.32
	AC 230V	5729.54	5743.40
	AC 240V	5729.46	5743.38
Tnor = 25℃	AC 100V	5729.48	5743.36
	AC 230V	5729.51	5743.35
	AC 240V	5729.53	5743.30
Tmax =35℃	AC 100V	5729.51	5743.26
	AC 230V	5729.58	5743.28
	AC 240V	5729.55	5743.35
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)
Tmin =0℃	AC 100V	5729.67	5743.38
	AC 230V	5729.68	5743.37
	AC 240V	5729.71	5743.39
Tnor = 25℃	AC 100V	5729.69	5743.40
	AC 230V	5729.68	5743.39
	AC 240V	5729.70	5743.40
Tmax =35℃	AC 100V	5729.75	5743.32
	AC 230V	5729.70	5743.36
	AC 240V	5729.73	5743.34
Limit	fH(5875MHz) - fL(5725MHz) = 150MHz		

802.11ax80---Transmitter			
Test Conditions		Frequency (MHz) at -30dBm/30KHz	
Temperature	Voltage(V)	f _L at Low Channel >5725MHz	f _H at High Channel (<5875MHz)
T _{min} =0℃	AC 100V	5729.35	5743.38
	AC 230V	5729.36	5743.40
	AC 240V	5729.29	5743.46
T _{nor} = 25℃	AC 100V	5729.30	5743.44
	AC 230V	5729.34	5743.46
	AC 240V	5729.22	5743.49
T _{max} =35℃	AC 100V	5729.28	5743.44
	AC 230V	5729.35	5743.43
	AC 240V	5729.30	5743.47
Limit	f _H (5875MHz) - f _L (5725MHz) = 150MHz		

Note: All test mode were tested, but only record the worst test result.

I.3 Unwanted Emissions in the Spurious Domain

The Worst Case: ANT0

Test Result of Unwanted Emissions In The Spurious Domain (802.11a)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
84.37	Vertical	-56.05	-36.00	Pass
287.93	V	-60.65	-36.00	
11490.00	V	-44.54	-30.00	
17235.00	V	-43.99	-30.00	
169.52	Horizontal	-60.05	-36.00	
531.00	H	-59.61	-54.00	
11490.00	H	-44.41	-30.00	
17235.00	H	-44.72	-30.00	
Middle Channel				
83.45	Vertical	-61.41	-36.00	Pass
298.52	V	-63.36	-36.00	
11570.00	V	-46.44	-30.00	
17355.00	V	-45.42	-30.00	
176.96	Horizontal	-57.70	-54.00	
533.22	H	-60.65	-54.00	
11570.00	H	-43.42	-30.00	
17355.00	H	-44.42	-30.00	
Highest Channel				
92.19	Vertical	-58.43	-54.00	Pass
276.79	V	-62.39	-36.00	
11650.00	V	-45.35	-30.00	
17475.00	V	-43.11	-30.00	
178.26	Horizontal	-59.06	-54.00	
562.70	H	-58.78	-54.00	
11650.00	H	-44.20	-30.00	
17475.00	H	-42.38	-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				
84.70	Vertical	-56.42	-36.00	Pass
284.45	V	-63.05	-36.00	
11490.00	V	-46.59	-30.00	
17235.00	V	-44.70	-30.00	
168.16	Horizontal	-60.50	-36.00	
530.17	H	-59.49	-54.00	
11490.00	H	-45.63	-30.00	
17235.00	H	-44.93	-30.00	
Middle Channel				
84.12	Vertical	-60.70	-36.00	Pass
295.68	V	-64.44	-36.00	
11570.00	V	-45.78	-30.00	
17355.00	V	-45.20	-30.00	
175.84	Horizontal	-59.38	-54.00	
532.88	H	-63.41	-54.00	
11570.00	H	-43.33	-30.00	
17355.00	H	-44.80	-30.00	
Highest Channel				
91.95	Vertical	-60.86	-54.00	Pass
276.98	V	-60.89	-36.00	
11650.00	V	-46.84	-30.00	
17475.00	V	-45.48	-30.00	
176.18	Horizontal	-57.67	-54.00	
562.97	H	-59.81	-54.00	
11650.00	H	-46.33	-30.00	
17475.00	H	-44.67	-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				
85.48	Vertical	-62.24	-36.00	Pass
293.61	V	-63.49	-36.00	
11570.00	V	-45.90	-30.00	
17355.00	V	-44.24	-30.00	
174.75	Horizontal	-59.84	-54.00	
531.53	H	-60.15	-54.00	
11570.00	H	-44.67	-30.00	
17355.00	H	-42.12	-30.00	
Middle Channel				
91.60	Vertical	-58.94	-54.00	Pass
279.22	V	-62.69	-36.00	
11650.00	V	-46.49	-30.00	
17475.00	V	-46.39	-30.00	
173.20	Horizontal	-59.84	-36.00	
559.65	H	-60.09	-54.00	
11650.00	H	-44.07	-30.00	
17475.00	H	-45.03	-30.00	
Highest Channel				
91.60	Vertical	-58.94	-54.00	Pass
279.22	V	-62.69	-36.00	
11650.00	V	-46.49	-30.00	
17475.00	V	-46.39	-30.00	
173.20	Horizontal	-59.84	-36.00	
559.65	H	-60.09	-54.00	
11650.00	H	-44.07	-30.00	
17475.00	H	-45.03	-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				
87.92	Vertical	-59.68	-54.00	Pass
302.42	V	-62.55	-36.00	
11510.00	V	-47.23	-30.00	
17265.00	V	-44.27	-30.00	
169.31	Horizontal	-59.96	-36.00	
533.47	H	-62.42	-54.00	
11510.00	H	-45.72	-30.00	
17265.00	H	-42.13	-30.00	
Highest Channel				
96.45	Vertical	-58.71	-54.00	Pass
282.57	V	-60.62	-36.00	
11590.00	V	-45.94	-30.00	
17385.00	V	-45.41	-30.00	
180.82	Horizontal	-59.95	-54.00	
566.90	H	-61.49	-54.00	
11590.00	H	-46.56	-30.00	
17385.00	H	-42.18	-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				
90.88	Vertical	-61.88	-54.00	Pass
298.92	V	-62.56	-36.00	
11510.00	V	-45.97	-30.00	
17265.00	V	-44.88	-30.00	
173.11	Horizontal	-58.48	-36.00	
537.46	H	-61.05	-54.00	
11510.00	H	-45.23	-30.00	
17265.00	H	-43.22	-30.00	
Highest Channel				
96.48	Vertical	-60.56	-54.00	Pass
282.14	V	-62.12	-36.00	
11590.00	V	-46.79	-30.00	
17385.00	V	-43.66	-30.00	
180.16	Horizontal	-58.92	-54.00	
568.04	H	-61.14	-54.00	
11590.00	H	-47.28	-30.00	
17385.00	H	-45.34	-30.00	

Test Result of Unwanted Emissions In The Spurious Domain (802.11ac80)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
95.19	Vertical	-61.42	-54.00	Pass
280.78	V	-61.09	-36.00	
11550.00	V	-46.57	-30.00	
17325.00	V	-43.16	-30.00	
177.26	Horizontal	-57.87	-54.00	
567.56	H	-59.22	-54.00	
11550.00	H	-46.17	-30.00	
17325.00	H	-42.95	-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				
87.34	Vertical	-60.71	-36.00	Pass
292.60	V	-59.34	-36.00	
11570.00	V	-46.39	-30.00	
17355.00	V	-44.87	-30.00	
174.82	Horizontal	-59.56	-54.00	
531.87	H	-61.35	-54.00	
11570.00	H	-47.54	-30.00	
17355.00	H	-45.13	-30.00	
Middle Channel				
91.73	Vertical	-61.45	-54.00	Pass
279.24	V	-62.62	-36.00	
11650.00	V	-47.34	-30.00	
17475.00	V	-44.65	-30.00	
173.25	Horizontal	-59.24	-36.00	
559.87	H	-62.34	-54.00	
11650.00	H	-42.34	-30.00	
17475.00	H	-44.06	-30.00	
Highest Channel				
91.45	Vertical	-58.54	-54.00	Pass
279.71	V	-62.32	-36.00	
11650.00	V	-46.43	-30.00	
17475.00	V	-47.35	-30.00	
173.20	Horizontal	-59.42	-36.00	
559.65	H	-60.17	-54.00	
11650.00	H	-44.36	-30.00	
17475.00	H	-45.84	-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				
90.27	Vertical	-61.78	-54.00	Pass
298.54	V	-62.25	-36.00	
11510.00	V	-45.97	-30.00	
17265.00	V	-44.24	-30.00	
173.11	Horizontal	-58.48	-36.00	
537.46	H	-61.05	-54.00	
11510.00	H	-45.24	-30.00	
17265.00	H	-43.75	-30.00	
Highest Channel				
96.48	Vertical	-61.34	-54.00	Pass
282.14	V	-62.87	-36.00	
11590.00	V	-46.43	-30.00	
17385.00	V	-43.60	-30.00	
180.16	Horizontal	-58.57	-54.00	
568.04	H	-61.04	-54.00	
11590.00	H	-47.22	-30.00	
17385.00	H	-45.31	-30.00	

Test Result of Unwanted Emissions In The Spurious Domain (802.11ax80)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
95.32	Vertical	-61.35	-54.00	Pass
280.81	V	-62.40	-36.00	
11550.00	V	-47.63	-30.00	
17325.00	V	-43.27	-30.00	
177.26	Horizontal	-57.23	-54.00	
567.56	H	-59.35	-54.00	
11550.00	H	-46.19	-30.00	
17325.00	H	-42.80	-30.00	

Note: All test mode were tested, but only record the worst test result.

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	-47.97	≥ -58.26	Pass
		161	5805MHz(upper)	20	-28.26	-49.54	≥ -58.26	Pass
151	5755MHz	/	5715MHz(lower)	40	-31.22	-58.84	≥ -61.22	Pass
		159	5805MHz(upper)	40	-31.22	-60.51	≥ -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	-17.88	≥-58.26	Pass
			20*BW	5375	20	-28.26	-10.93	≥-58.26	Pass
			50*BW	4775	20	-28.26	-6.11	≥-58.26	Pass
		Upper	10*BW	5995	20	-28.26	-13.90	≥-58.26	Pass
			20*BW	6195	20	-28.26	-6.94	≥-58.26	Pass
			50*BW	6795	20	-28.26	-6.09	≥-58.26	Pass
151	5755MHz	Lower	10*BW	5325	40	-31.22	-6.06	≥-61.22	Pass
			20*BW	4925	40	-31.22	2.16	≥-61.22	Pass
			50*BW	3725	40	-31.22	5.79	≥-61.22	Pass
		Upper	10*BW	6175	40	-31.22	-2.71	≥-61.22	Pass
			20*BW	6575	40	-31.22	5.07	≥-61.22	Pass
			50*BW	7775	40	-31.22	5.74	≥-61.22	Pass

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

I.6 Spurious Radiations

The Worst Case: ANT0

Test Result of Spurious Radiations (802.11a)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
94.46	Vertical	-67.82	-57.00	Pass
746.20	V	-65.60	-57.00	
11490.00	V	-59.95	-47.00	
17235.00	V	-57.97	-47.00	
75.11	Horizontal	-69.50	-57.00	
156.90	H	-63.15	-57.00	
11490.00	H	-62.49	-47.00	
17235.00	H	-58.93	-47.00	
Middle Channel				
132.16	Vertical	-69.54	-57.00	Pass
566.40	V	-62.88	-57.00	
11570.00	V	-62.47	-47.00	
17355.00	V	-61.45	-47.00	
145.13	Horizontal	-66.66	-57.00	
608.23	H	-64.12	-57.00	
11570.00	H	-62.09	-47.00	
17355.00	H	-59.87	-47.00	
Highest Channel				
225.90	Vertical	-67.67	-57.00	Pass
789.06	V	-64.56	-57.00	
11650.00	V	-63.11	-47.00	
17475.00	V	-58.78	-47.00	
80.98	Horizontal	-68.80	-57.00	
465.95	H	-65.29	-57.00	
11650.00	H	-62.98	-47.00	
17475.00	H	-59.69	-47.00	

Test Result of Spurious Radiations (802.11n20)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
94.85	Vertical	-68.43	-57.00	Pass
741.99	V	-65.98	-57.00	
11490.00	V	-62.98	-47.00	
17235.00	V	-58.84	-47.00	
72.06	Horizontal	-67.28	-57.00	
155.36	H	-63.63	-57.00	
11490.00	H	-60.76	-47.00	
17235.00	H	-59.33	-47.00	
Middle Channel				
131.70	Vertical	-68.02	-57.00	Pass
562.95	V	-64.07	-57.00	
11570.00	V	-62.98	-47.00	
17355.00	V	-59.41	-47.00	
147.65	Horizontal	-69.60	-57.00	
608.77	H	-64.02	-57.00	
11570.00	H	-62.79	-47.00	
17355.00	H	-58.48	-47.00	
Highest Channel				
227.94	Vertical	-69.67	-57.00	Pass
789.51	V	-63.60	-57.00	
11650.00	V	-63.18	-47.00	
17475.00	V	-61.20	-47.00	
83.99	Horizontal	-70.13	-57.00	
465.40	H	-64.77	-57.00	
11650.00	H	-61.44	-47.00	
17475.00	H	-59.81	-47.00	

Test Result of Spurious Radiations (802.11ac20)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
93.21	Vertical	-68.86	-57.00	Pass
745.44	V	-65.94	-57.00	
11490.00	V	-59.84	-47.00	
17235.00	V	-58.81	-47.00	
76.83	Horizontal	-67.12	-57.00	
155.94	H	-63.82	-57.00	
11490.00	H	-61.75	-47.00	
17235.00	H	-59.64	-47.00	
Middle Channel				
130.92	Vertical	-67.55	-57.00	Pass
563.14	V	-63.19	-57.00	
11570.00	V	-62.74	-47.00	
17355.00	V	-59.75	-47.00	
149.23	Horizontal	-69.59	-57.00	
606.69	H	-64.40	-57.00	
11570.00	H	-61.57	-47.00	
17355.00	H	-58.23	-47.00	
Highest Channel				
228.03	Vertical	-68.92	-57.00	Pass
784.56	V	-63.98	-57.00	
11650.00	V	-63.02	-47.00	
17475.00	V	-59.84	-47.00	
81.86	Horizontal	-68.82	-57.00	
466.38	H	-63.47	-57.00	
11650.00	H	-61.91	-47.00	
17475.00	H	-58.01	-47.00	

Test Result of Spurious Radiations (802.11n40)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
94.41	Vertical	-67.47	-57.00	Pass
746.73	V	-63.59	-57.00	
11510.00	V	-62.21	-47.00	
17265.00	V	-59.97	-47.00	
72.63	Horizontal	-68.52	-57.00	
152.98	H	-64.53	-57.00	
11510.00	H	-60.81	-47.00	
17265.00	H	-58.39	-47.00	
Highest Channel				
227.50	Vertical	-69.44	-57.00	Pass
788.82	V	-65.45	-57.00	
11590.00	V	-61.36	-47.00	
17385.00	V	-59.04	-47.00	
80.80	Horizontal	-70.29	-57.00	
468.95	H	-64.46	-57.00	
11590.00	H	-61.95	-47.00	
17385.00	H	-58.98	-47.00	

Test Result of Spurious Radiations (802.11ac40)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
93.97	Vertical	-66.85	-57.00	Pass
742.10	V	-63.07	-57.00	
11510.00	V	-60.48	-47.00	
17265.00	V	-60.37	-47.00	
71.88	Horizontal	-68.79	-57.00	
153.22	H	-64.46	-57.00	
11510.00	H	-60.02	-47.00	
17265.00	H	-58.54	-47.00	
Highest Channel				
224.45	Vertical	-67.00	-57.00	Pass
785.33	V	-64.83	-57.00	
11590.00	V	-63.56	-47.00	
17385.00	V	-61.21	-47.00	
84.41	Horizontal	-69.91	-57.00	
468.55	H	-63.13	-57.00	
11590.00	H	-60.34	-47.00	
17385.00	H	-60.69	-47.00	

Test Result of Spurious Radiations (802.11ac80)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
227.34	Vertical	-67.96	-57.00	Pass
784.85	V	-65.40	-57.00	
11550.00	V	-62.21	-47.00	
17325.00	V	-59.89	-47.00	
83.45	Horizontal	-66.86	-57.00	
469.25	H	-64.45	-57.00	
11550.00	H	-61.75	-47.00	
17325.00	H	-58.78	-47.00	

Test Result of Spurious Radiations (802.11ax20)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
241.54	Vertical	-67.54	-57.00	Pass
345.27	V	-62.71	-57.00	
11490.00	V	-55.32	-47.00	
17235.00	V	-53.54	-47.00	
79.45	Horizontal	-65.04	-57.00	
342.91	H	-62.32	-57.00	
11490.00	H	-63.74	-47.00	
17235.00	H	-59.69	-47.00	
Middle Channel				
244.10	Vertical	-67.45	-57.00	Pass
412.85	V	-63.24	-57.00	
11570.00	V	-62.90	-47.00	
17355.00	V	-60.24	-47.00	
245.54	Horizontal	-66.34	-57.00	
345.90	H	-63.24	-57.00	
11570.00	H	-61.24	-47.00	
17355.00	H	-60.25	-47.00	
Highest Channel				
354.85	Vertical	-66.74	-57.00	Pass
384.54	V	-62.49	-57.00	
11650.00	V	-61.04	-47.00	
17475.00	V	-60.87	-47.00	
345.84	Horizontal	-64.24	-57.00	
844.59	H	-62.45	-57.00	
11650.00	H	-61.91	-47.00	
17475.00	H	-63.47	-47.00	

Test Result of Spurious Radiations (802.11ax40)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
Lowest Channel				
125.20	Vertical	-65.41	-57.00	Pass
220.06	V	-63.48	-57.00	
11510.00	V	-60.72	-47.00	
17265.00	V	-60.36	-47.00	
171.51	Horizontal	-65.13	-57.00	
153.65	H	-62.34	-57.00	
11510.00	H	-60.05	-47.00	
17265.00	H	-62.40	-47.00	
Highest Channel				
215.54	Vertical	-66.24	-57.00	Pass
285.49	V	-64.41	-57.00	
11590.00	V	-63.87	-47.00	
17385.00	V	-60.51	-47.00	
184.32	Horizontal	-66.87	-57.00	
468.52	H	-63.24	-57.00	
11590.00	H	-61.37	-47.00	
17385.00	H	-60.83	-47.00	

Test Result of Spurious Radiations (802.11ax80)				
Frequency (MHz)	Test Data		Limit (dBm)	Conclusion
	Polarization	Level (dBm)		
257.04	Vertical	-67.24	-57.00	Pass
744.80	V	-65.73	-57.00	
11550.00	V	-61.54	-47.00	
17325.00	V	-58.40	-47.00	
123.42	Horizontal	-62.54	-57.00	
249.21	H	-64.78	-57.00	
11550.00	H	-61.71	-47.00	
17325.00	H	-58.63	-47.00	

Note: All test modes were tested, but only record the worst test result.