



11AX20MIMO_Ant2_5825



11AX40MIMO_Ant1_5755



11AX40MIMO_Ant2_5755



11AX40MIMO_Ant1_5795



11AX40MIMO_Ant2_5795



11BE20MIMO_Ant1_5745



11BE20MIMO_Ant2_5745



11BE20MIMO_Ant1_5785



11BE20MIMO_Ant2_5785



11BE20MIMO_Ant1_5825



11BE20MIMO_Ant2_5825



11BE40MIMO_Ant1_5755



11BE40MIMO_Ant2_5755



11BE40MIMO_Ant1_5795



11BE40MIMO_Ant2_5795



11BE80MIMO_Ant1_5775



11BE80MIMO_Ant2_5775



WiFi 5 Chip (RTL8811CU):

11A_Ant3_5745



11A_Ant3_5785



11A_Ant3_5825



11N20SISO_Ant3_5745



11N20SISO_Ant3_5785



11N20SISO_Ant3_5825



11N40SISO_Ant3_5755



11N40SISO_Ant3_5795



11AC20SISO_Ant3_5745



11AC20SISO_Ant3_5785



11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755



11AC40SISO_Ant3_5795



11AC80SISO_Ant3_5775



3.4 Conducted Output Power

3.4.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Conducted Output Power	Master device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

- For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

3.4.2 Test Procedure

Test Method	
●Conducted Measurement	○Radiated Measurement
Test Channels	
●Lowest, Middle and Highest Channel	○ Lowest and Highest Channel
Environmental conditions	
●Normal	○Normal and Extreme
Note:●:Test ○:No Test	

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- Test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

3.4.3 Test Setup



3.4.4 Table of Parameters of Text Software Setting

WiFi 7 Chip (QCC2027PB):

UNII-1			
Test Software Version	Configured using CMD commands		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	16	16	16
IEEE 802.11n(HT20)	16	16	16
IEEE 802.11ac(VHT20)	16	16	16
IEEE 802.11ax(HE20)	16	16	16
IEEE 802.11be(EHT20)	16	16	16
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	16	16	
IEEE 802.11ac(VHT40)	16	16	
IEEE 802.11ax(HE40)	16	16	
IEEE 802.11be(EHT40)	16	16	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	16		
IEEE 802.11ax(HE80)	16		
IEEE 802.11be(EHT80)	16		
Frequency (MHz)	5250(straddle channel)		
IEEE 802.11ac(VHT160)	16		
IEEE 802.11ax(HE160)	16		
IEEE 802.11be(EHT160)	16		

UNII-2A			
Test Software Version	Configured using CMD commands		
Frequency (MHz)	5260	5280	5320
IEEE 802.11a	16	16	16
IEEE 802.11n(HT20)	16	16	16
IEEE 802.11ac(VHT20)	16	16	16
IEEE 802.11ax(HE20)	16	16	16
IEEE 802.11be(EHT20)	16	16	16
Frequency (MHz)	5270	5310	
IEEE 802.11n(HT40)	16	16	
IEEE 802.11ac(VHT40)	16	16	
IEEE 802.11ax(HE40)	16	16	
IEEE 802.11be(EHT40)	16	16	
Frequency (MHz)	5290		

IEEE 802.11ac(VHT80)	16		
IEEE 802.11ax(HE80)	16		
IEEE 802.11be(EHT80)	16		
Frequency (MHz)	5250(straddle channel)		
IEEE 802.11ac(VHT160)	16		
IEEE 802.11ax(HE160)	16		
IEEE 802.11be(EHT160)	16		

UNII-2C			
Test Software Version	Configured using CMD commands		
Frequency (MHz)	5500	5580	5700
IEEE 802.11a	16	16	16
IEEE 802.11n(HT20)	16	16	16
IEEE 802.11ac(VHT20)	16	16	16
IEEE 802.11ax(HE20)	16	16	16
IEEE 802.11be(EHT20)	16	16	16
Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	16	16	16
IEEE 802.11ac(VHT40)	16	16	16
IEEE 802.11ax(HE40)	16	16	16
IEEE 802.11be(EHT40)	16	16	16
Frequency (MHz)	5530	5610	
IEEE 802.11ac(VHT80)	16	16	
IEEE 802.11ax(HE80)	16	16	
IEEE 802.11be(EHT80)	16	16	
Frequency (MHz)	5570		
IEEE 802.11ac(VHT160)	16		
IEEE 802.11ax(HE160)	16		
IEEE 802.11be(EHT160)	16		

UNII-3			
Test Software Version	Configured using CMD commands		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	16	16	16
IEEE 802.11n(HT20)	16	16	16
IEEE 802.11ac(VHT20)	16	16	16
IEEE 802.11ax(HE20)	16	16	16
IEEE 802.11be(EHT20)	16	16	16

Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	16	16	
IEEE 802.11ac(VHT40)	16	16	
IEEE 802.11ax(HE40)	16	16	
IEEE 802.11be(EHT40)	16	16	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	16		
IEEE 802.11ax(HE80)	16		
IEEE 802.11be(EHT80)	16		

Note: Both antennas use the same power setting value.

WiFi 5 Chip (RTL8811CU):

UNII-1			
Test Software Version	MP Tool Version 0.0003.08.20190211		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	50	50	50
IEEE 802.11n(HT20)	50	50	50
IEEE 802.11ac(VHT20)	50	50	50
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	50	50	
IEEE 802.11ac(VHT40)	50	50	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	50		

UNII-2A			
Test Software Version	MP Tool Version 0.0003.08.20190211		
Frequency (MHz)	5260	5280	5320
IEEE 802.11a	50	50	50
IEEE 802.11n(HT20)	50	50	50
IEEE 802.11ac(VHT20)	50	50	50
Frequency (MHz)	5270	5310	
IEEE 802.11n(HT40)	50	50	
IEEE 802.11ac(VHT40)	50	50	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	50		

UNII-2C			
Test Software Version	MP Tool Version 0.0003.08.20190211		
Frequency (MHz)	5500	5580	5700
IEEE 802.11a	50	50	50
IEEE 802.11n(HT20)	50	50	50
IEEE 802.11ac(VHT20)	50	50	50
Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	50	50	50
IEEE 802.11ac(VHT40)	50	50	50
Frequency (MHz)	5530	5610	
IEEE 802.11ac(VHT80)	50	50	

UNII-3			
Test Software Version	MP Tool Version 0.0003.08.20190211		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	50	50	50
IEEE 802.11n(HT20)	50	50	50
IEEE 802.11ac(VHT20)	50	50	50
Frequency (MHz)	5755	5795	
Frequency (MHz)	50	50	
IEEE 802.11n(HT40)	50	50	
IEEE 802.11ac(VHT40)	50	50	
Frequency (MHz)	5775		
Frequency (MHz)	50		
IEEE 802.11ac(VHT80)	50		

3.4.5 The Result

WiFi 7 Chip (QCC2027PB):

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	13.99	≤23.98	PASS
	Ant2	5180	15.95	≤23.98	PASS
	Ant1	5200	14.12	≤23.98	PASS
	Ant2	5200	16.10	≤23.98	PASS
	Ant1	5240	15.45	≤23.98	PASS
	Ant2	5240	16.63	≤23.98	PASS
	Ant1	5260	15.84	≤23.98	PASS
	Ant2	5260	17.07	≤23.98	PASS
	Ant1	5280	16.15	≤23.98	PASS
	Ant2	5280	17.32	≤23.98	PASS
	Ant1	5320	16.07	≤23.98	PASS
	Ant2	5320	17.71	≤23.98	PASS
	Ant1	5500	12.59	≤23.98	PASS
	Ant2	5500	14.06	≤23.98	PASS
	Ant1	5580	11.98	≤23.98	PASS
	Ant2	5580	13.04	≤23.98	PASS
	Ant1	5700	14.10	≤23.98	PASS
	Ant2	5700	13.95	≤23.98	PASS
	Ant1	5745	14.75	≤30.00	PASS
	Ant2	5745	14.84	≤30.00	PASS
	Ant1	5785	15.39	≤30.00	PASS
	Ant2	5785	15.35	≤30.00	PASS
	Ant1	5825	15.33	≤30.00	PASS
	Ant2	5825	15.98	≤30.00	PASS
11N20MIMO	Ant1	5180	13.99	≤23.98	PASS
	Ant2	5180	15.81	≤23.98	PASS
	total	5180	18.00	≤23.98	PASS
	Ant1	5200	14.37	≤23.98	PASS
	Ant2	5200	15.94	≤23.98	PASS
	total	5200	18.24	≤23.98	PASS
	Ant1	5240	15.48	≤23.98	PASS
	Ant2	5240	16.60	≤23.98	PASS
	total	5240	19.09	≤23.98	PASS
	Ant1	5260	15.70	≤23.98	PASS
	Ant2	5260	17.23	≤23.98	PASS
	total	5260	19.54	≤23.98	PASS
	Ant1	5280	16.35	≤23.98	PASS
	Ant2	5280	17.31	≤23.98	PASS
	total	5280	19.87	≤23.98	PASS

	Ant1	5320	16.33	≤23.98	PASS
	Ant2	5320	17.60	≤23.98	PASS
	total	5320	20.02	≤23.98	PASS
	Ant1	5500	12.27	≤23.98	PASS
	Ant2	5500	14.05	≤23.98	PASS
	total	5500	16.26	≤23.98	PASS
	Ant1	5580	11.55	≤23.98	PASS
	Ant2	5580	12.92	≤23.98	PASS
	total	5580	15.30	≤23.98	PASS
	Ant1	5700	13.86	≤23.98	PASS
	Ant2	5700	13.94	≤23.98	PASS
	total	5700	16.91	≤23.98	PASS
	Ant1	5745	14.36	≤30.00	PASS
	Ant2	5745	14.81	≤30.00	PASS
	total	5745	17.60	≤30.00	PASS
	Ant1	5785	14.86	≤30.00	PASS
	Ant2	5785	15.15	≤30.00	PASS
	total	5785	18.02	≤30.00	PASS
	Ant1	5825	14.85	≤30.00	PASS
	Ant2	5825	15.62	≤30.00	PASS
	total	5825	18.26	≤30.00	PASS
11N40MIMO	Ant1	5190	14.26	≤23.98	PASS
	Ant2	5190	15.62	≤23.98	PASS
	total	5190	18.00	≤23.98	PASS
	Ant1	5230	15.07	≤23.98	PASS
	Ant2	5230	16.05	≤23.98	PASS
	total	5230	18.60	≤23.98	PASS
	Ant1	5270	16.12	≤23.98	PASS
	Ant2	5270	17.03	≤23.98	PASS
	total	5270	19.61	≤23.98	PASS
	Ant1	5310	16.39	≤23.98	PASS
	Ant2	5310	17.20	≤23.98	PASS
	total	5310	19.82	≤23.98	PASS
	Ant1	5510	12.06	≤23.98	PASS
	Ant2	5510	13.66	≤23.98	PASS
	total	5510	15.94	≤23.98	PASS
	Ant1	5550	11.49	≤23.98	PASS
	Ant2	5550	12.74	≤23.98	PASS
	total	5550	15.17	≤23.98	PASS
	Ant1	5670	12.88	≤23.98	PASS
	Ant2	5670	13.19	≤23.98	PASS
	total	5670	16.05	≤23.98	PASS
	Ant1	5755	14.54	≤30.00	PASS

	Ant2	5755	14.93	≤30.00	PASS
	total	5755	17.75	≤30.00	PASS
	Ant1	5795	15.04	≤30.00	PASS
	Ant2	5795	15.25	≤30.00	PASS
	total	5795	18.16	≤30.00	PASS
11AC20MIMO	Ant1	5180	14.03	≤23.98	PASS
	Ant2	5180	15.85	≤23.98	PASS
	total	5180	18.04	≤23.98	PASS
	Ant1	5200	14.38	≤23.98	PASS
	Ant2	5200	15.82	≤23.98	PASS
	total	5200	18.17	≤23.98	PASS
	Ant1	5240	15.46	≤23.98	PASS
	Ant2	5240	16.55	≤23.98	PASS
	total	5240	19.05	≤23.98	PASS
	Ant1	5260	15.83	≤23.98	PASS
	Ant2	5260	17.23	≤23.98	PASS
	total	5260	19.60	≤23.98	PASS
	Ant1	5280	16.38	≤23.98	PASS
	Ant2	5280	17.30	≤23.98	PASS
	total	5280	19.87	≤23.98	PASS
	Ant1	5320	16.43	≤23.98	PASS
	Ant2	5320	17.53	≤23.98	PASS
	total	5320	20.03	≤23.98	PASS
	Ant1	5500	12.34	≤23.98	PASS
	Ant2	5500	13.99	≤23.98	PASS
	total	5500	16.25	≤23.98	PASS
	Ant1	5580	11.59	≤23.98	PASS
	Ant2	5580	12.92	≤23.98	PASS
	total	5580	15.32	≤23.98	PASS
	Ant1	5700	13.91	≤23.98	PASS
	Ant2	5700	13.89	≤23.98	PASS
	total	5700	16.91	≤23.98	PASS
	Ant1	5745	14.33	≤30.00	PASS
	Ant2	5745	14.66	≤30.00	PASS
	total	5745	17.51	≤30.00	PASS
	Ant1	5785	14.80	≤30.00	PASS
	Ant2	5785	15.03	≤30.00	PASS
	total	5785	17.93	≤30.00	PASS
	Ant1	5825	14.78	≤30.00	PASS
	Ant2	5825	15.47	≤30.00	PASS
	total	5825	18.15	≤30.00	PASS
11AC40MIMO	Ant1	5190	14.25	≤23.98	PASS
	Ant2	5190	15.72	≤23.98	PASS

	total	5190	18.06	≤23.98	PASS
	Ant1	5230	15.11	≤23.98	PASS
	Ant2	5230	16.16	≤23.98	PASS
	total	5230	18.68	≤23.98	PASS
	Ant1	5270	16.22	≤23.98	PASS
	Ant2	5270	17.15	≤23.98	PASS
	total	5270	19.72	≤23.98	PASS
	Ant1	5310	16.42	≤23.98	PASS
	Ant2	5310	17.32	≤23.98	PASS
	total	5310	19.90	≤23.98	PASS
	Ant1	5510	12.14	≤23.98	PASS
	Ant2	5510	13.81	≤23.98	PASS
	total	5510	16.07	≤23.98	PASS
	Ant1	5550	11.60	≤23.98	PASS
	Ant2	5550	12.70	≤23.98	PASS
	total	5550	15.20	≤23.98	PASS
	Ant1	5670	12.97	≤23.98	PASS
	Ant2	5670	13.19	≤23.98	PASS
	total	5670	16.09	≤23.98	PASS
	Ant1	5755	14.63	≤30.00	PASS
	Ant2	5755	14.89	≤30.00	PASS
	total	5755	17.77	≤30.00	PASS
	Ant1	5795	15.06	≤30.00	PASS
	Ant2	5795	15.20	≤30.00	PASS
	total	5795	18.14	≤30.00	PASS
11AC80MIMO	Ant1	5210	14.82	≤23.98	PASS
	Ant2	5210	15.71	≤23.98	PASS
	total	5210	18.30	≤23.98	PASS
	Ant1	5290	16.50	≤23.98	PASS
	Ant2	5290	17.08	≤23.98	PASS
	total	5290	19.81	≤23.98	PASS
	Ant1	5530	11.91	≤23.98	PASS
	Ant2	5530	13.36	≤23.98	PASS
	total	5530	15.71	≤23.98	PASS
	Ant1	5610	12.09	≤23.98	PASS
	Ant2	5610	12.92	≤23.98	PASS
	total	5610	15.54	≤23.98	PASS
	Ant1	5775	15.27	≤30.00	PASS
	Ant2	5775	15.51	≤30.00	PASS
	total	5775	18.40	≤30.00	PASS
11AC160MIMO	Ant1	5250	14.02	≤23.98	PASS
	Ant2	5250	15.42	≤23.98	PASS
	total	5250	17.78	≤23.98	PASS

	Ant1	5570	11.66	≤23.98	PASS
	Ant2	5570	11.83	≤23.98	PASS
	total	5570	14.76	≤23.98	PASS
11AX20MIMO	Ant1	5180	14.12	≤23.98	PASS
	Ant2	5180	15.92	≤23.98	PASS
	total	5180	18.12	≤23.98	PASS
	Ant1	5200	14.53	≤23.98	PASS
	Ant2	5200	16.07	≤23.98	PASS
	total	5200	18.38	≤23.98	PASS
	Ant1	5240	15.61	≤23.98	PASS
	Ant2	5240	16.65	≤23.98	PASS
	total	5240	19.17	≤23.98	PASS
	Ant1	5260	16.02	≤23.98	PASS
	Ant2	5260	17.29	≤23.98	PASS
	total	5260	19.71	≤23.98	PASS
	Ant1	5280	16.49	≤23.98	PASS
	Ant2	5280	17.40	≤23.98	PASS
	total	5280	19.98	≤23.98	PASS
	Ant1	5320	16.56	≤23.98	PASS
	Ant2	5320	17.67	≤23.98	PASS
	total	5320	20.16	≤23.98	PASS
	Ant1	5500	12.34	≤23.98	PASS
	Ant2	5500	14.08	≤23.98	PASS
	total	5500	16.31	≤23.98	PASS
	Ant1	5580	11.57	≤23.98	PASS
	Ant2	5580	12.97	≤23.98	PASS
	total	5580	15.34	≤23.98	PASS
	Ant1	5700	13.94	≤23.98	PASS
	Ant2	5700	13.83	≤23.98	PASS
	total	5700	16.90	≤23.98	PASS
	Ant1	5745	14.56	≤30.00	PASS
	Ant2	5745	14.67	≤30.00	PASS
	total	5745	17.63	≤30.00	PASS
	Ant1	5785	14.83	≤30.00	PASS
	Ant2	5785	14.81	≤30.00	PASS
	total	5785	17.83	≤30.00	PASS
	Ant1	5825	14.71	≤30.00	PASS
	Ant2	5825	15.35	≤30.00	PASS
	total	5825	18.05	≤30.00	PASS
11AX40MIMO	Ant1	5190	15.14	≤23.98	PASS
	Ant2	5190	15.06	≤23.98	PASS
	total	5190	18.11	≤23.98	PASS
	Ant1	5230	15.60	≤23.98	PASS

	Ant2	5230	15.51	≤23.98	PASS
	total	5230	18.57	≤23.98	PASS
	Ant1	5270	16.53	≤23.98	PASS
	Ant2	5270	16.44	≤23.98	PASS
	total	5270	19.50	≤23.98	PASS
	Ant1	5310	16.63	≤23.98	PASS
	Ant2	5310	16.54	≤23.98	PASS
	total	5310	19.60	≤23.98	PASS
	Ant1	5510	12.99	≤23.98	PASS
	Ant2	5510	12.90	≤23.98	PASS
	total	5510	15.96	≤23.98	PASS
	Ant1	5550	12.05	≤23.98	PASS
	Ant2	5550	11.91	≤23.98	PASS
	total	5550	14.99	≤23.98	PASS
	Ant1	5670	12.42	≤23.98	PASS
	Ant2	5670	12.40	≤23.98	PASS
	total	5670	15.42	≤23.98	PASS
	Ant1	5755	14.24	≤30.00	PASS
	Ant2	5755	14.24	≤30.00	PASS
	total	5755	17.25	≤30.00	PASS
	Ant1	5795	14.62	≤30.00	PASS
	Ant2	5795	14.62	≤30.00	PASS
	total	5795	17.63	≤30.00	PASS
11AX80MIMO	Ant1	5210	15.55	≤23.98	PASS
	Ant2	5210	15.34	≤23.98	PASS
	total	5210	18.46	≤23.98	PASS
	Ant1	5290	16.80	≤23.98	PASS
	Ant2	5290	16.64	≤23.98	PASS
	total	5290	19.73	≤23.98	PASS
	Ant1	5530	11.93	≤23.98	PASS
	Ant2	5530	12.62	≤23.98	PASS
	total	5530	15.30	≤23.98	PASS
	Ant1	5610	12.23	≤23.98	PASS
	Ant2	5610	12.27	≤23.98	PASS
	total	5610	15.26	≤23.98	PASS
	Ant1	5775	16.49	≤30.00	PASS
	Ant2	5775	15.91	≤30.00	PASS
	total	5775	19.22	≤30.00	PASS
11AX160MIMO	Ant1	5250	14.64	≤23.98	PASS
	Ant2	5250	15.82	≤23.98	PASS
	total	5250	18.28	≤23.98	PASS
	Ant1	5570	12.63	≤23.98	PASS
	Ant2	5570	12.31	≤23.98	PASS

	total	5570	15.48	≤23.98	PASS
11BE20MIMO	Ant1	5180	14.50	≤23.98	PASS
	Ant2	5180	15.03	≤23.98	PASS
	total	5180	17.78	≤23.98	PASS
	Ant1	5200	14.97	≤23.98	PASS
	Ant2	5200	15.11	≤23.98	PASS
	total	5200	18.05	≤23.98	PASS
	Ant1	5240	16.07	≤23.98	PASS
	Ant2	5240	15.91	≤23.98	PASS
	total	5240	19.00	≤23.98	PASS
	Ant1	5260	16.34	≤23.98	PASS
	Ant2	5260	16.58	≤23.98	PASS
	total	5260	19.47	≤23.98	PASS
	Ant1	5280	16.84	≤23.98	PASS
	Ant2	5280	16.81	≤23.98	PASS
	total	5280	19.84	≤23.98	PASS
	Ant1	5320	16.76	≤23.98	PASS
	Ant2	5320	17.12	≤23.98	PASS
	total	5320	19.95	≤23.98	PASS
	Ant1	5500	13.58	≤23.98	PASS
	Ant2	5500	13.87	≤23.98	PASS
	total	5500	16.74	≤23.98	PASS
	Ant1	5580	12.96	≤23.98	PASS
	Ant2	5580	12.75	≤23.98	PASS
	total	5580	15.87	≤23.98	PASS
	Ant1	5700	15.16	≤23.98	PASS
	Ant2	5700	13.83	≤23.98	PASS
	total	5700	17.56	≤23.98	PASS
	Ant1	5745	15.73	≤30.00	PASS
	Ant2	5745	15.04	≤30.00	PASS
	total	5745	18.41	≤30.00	PASS
	Ant1	5785	16.46	≤30.00	PASS
	Ant2	5785	15.79	≤30.00	PASS
	total	5785	19.15	≤30.00	PASS
	Ant1	5825	16.52	≤30.00	PASS
	Ant2	5825	16.22	≤30.00	PASS
	total	5825	19.38	≤30.00	PASS
11BE40MIMO	Ant1	5190	14.74	≤23.98	PASS
	Ant2	5190	15.16	≤23.98	PASS
	total	5190	17.97	≤23.98	PASS
	Ant1	5230	15.49	≤23.98	PASS
	Ant2	5230	15.55	≤23.98	PASS
	total	5230	18.53	≤23.98	PASS

	Ant1	5270	16.53	≤23.98	PASS
	Ant2	5270	16.54	≤23.98	PASS
	total	5270	19.55	≤23.98	PASS
	Ant1	5310	16.55	≤23.98	PASS
	Ant2	5310	16.75	≤23.98	PASS
	total	5310	19.66	≤23.98	PASS
	Ant1	5510	12.74	≤23.98	PASS
	Ant2	5510	13.16	≤23.98	PASS
	total	5510	15.97	≤23.98	PASS
	Ant1	5550	12.15	≤23.98	PASS
	Ant2	5550	12.10	≤23.98	PASS
	total	5550	15.14	≤23.98	PASS
	Ant1	5670	13.45	≤23.98	PASS
	Ant2	5670	12.62	≤23.98	PASS
	total	5670	16.07	≤23.98	PASS
	Ant1	5755	14.98	≤30.00	PASS
	Ant2	5755	14.61	≤30.00	PASS
	total	5755	17.81	≤30.00	PASS
	Ant1	5795	15.57	≤30.00	PASS
	Ant2	5795	15.00	≤30.00	PASS
	total	5795	18.30	≤30.00	PASS
11BE80MIMO	Ant1	5210	14.96	≤23.98	PASS
	Ant2	5210	15.22	≤23.98	PASS
	total	5210	18.10	≤23.98	PASS
	Ant1	5290	16.79	≤23.98	PASS
	Ant2	5290	16.79	≤23.98	PASS
	total	5290	19.80	≤23.98	PASS
	Ant1	5530	12.92	≤23.98	PASS
	Ant2	5530	13.01	≤23.98	PASS
	total	5530	15.98	≤23.98	PASS
	Ant1	5610	13.06	≤23.98	PASS
	Ant2	5610	12.69	≤23.98	PASS
	total	5610	15.89	≤23.98	PASS
	Ant1	5775	15.97	≤30.00	PASS
	Ant2	5775	15.68	≤30.00	PASS
	total	5775	18.84	≤30.00	PASS
11BE160MIMO	Ant1	5250	15.39	≤23.98	PASS
	Ant2	5250	15.68	≤23.98	PASS
	total	5250	18.55	≤23.98	PASS
	Ant1	5570	12.75	≤23.98	PASS
	Ant2	5570	12.38	≤23.98	PASS
	total	5570	15.58	≤23.98	PASS

WiFi 5 Chip (RTL8811CU):

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant3	5180	15.64	≤23.98	PASS
		5200	15.57	≤23.98	PASS
		5240	15.78	≤23.98	PASS
		5260	16.04	≤23.98	PASS
		5280	16.04	≤23.98	PASS
		5320	16.33	≤23.98	PASS
		5500	17.23	≤23.98	PASS
		5580	17.97	≤23.98	PASS
		5700	17.59	≤23.98	PASS
		5745	16.16	≤30.00	PASS
		5785	16.12	≤30.00	PASS
		5825	15.81	≤30.00	PASS
11N20SISO	Ant3	5180	15.21	≤23.98	PASS
		5200	15.04	≤23.98	PASS
		5240	15.34	≤23.98	PASS
		5260	15.44	≤23.98	PASS
		5280	15.46	≤23.98	PASS
		5320	17.25	≤23.98	PASS
		5500	16.94	≤23.98	PASS
		5580	17.90	≤23.98	PASS
		5700	17.58	≤23.98	PASS
		5745	16.03	≤30.00	PASS
		5785	15.97	≤30.00	PASS
		5825	15.76	≤30.00	PASS
11N40SISO	Ant3	5190	15.28	≤23.98	PASS
		5230	15.44	≤23.98	PASS
		5270	15.61	≤23.98	PASS
		5310	15.89	≤23.98	PASS
		5510	17.03	≤23.98	PASS
		5550	17.24	≤23.98	PASS
		5670	17.16	≤23.98	PASS
		5755	16.10	≤30.00	PASS
		5795	15.90	≤30.00	PASS
11AC20SISO	Ant3	5180	15.13	≤23.98	PASS
		5200	15.03	≤23.98	PASS
		5240	15.31	≤23.98	PASS
		5260	15.34	≤23.98	PASS
		5280	15.55	≤23.98	PASS
		5320	15.70	≤23.98	PASS
		5500	16.77	≤23.98	PASS

		5580	17.89	≤23.98	PASS
		5700	17.47	≤23.98	PASS
		5745	16.01	≤30.00	PASS
		5785	15.89	≤30.00	PASS
		5825	15.76	≤30.00	PASS
11AC40SISO	Ant3	5190	15.30	≤23.98	PASS
		5230	15.52	≤23.98	PASS
		5270	15.61	≤23.98	PASS
		5310	15.98	≤23.98	PASS
		5510	16.99	≤23.98	PASS
		5550	17.45	≤23.98	PASS
		5670	17.12	≤23.98	PASS
		5755	16.34	≤30.00	PASS
		5795	15.03	≤30.00	PASS
11AC80SISO	Ant3	5210	15.40	≤23.98	PASS
		5290	15.72	≤23.98	PASS
		5530	17.28	≤23.98	PASS
		5610	17.74	≤23.98	PASS
		5775	16.02	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the result.

3.5 Power Spectral Density

3.5.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	Master device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 300kHz and VBW at 1500kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/300 \text{ kHz})$ to the measured result, i.e. 2.22 dB.
- During the test of U-NII 3 PSD, the measurement result with RBW=300kHz has been added 2.22 dB by compensating offset, offset=cable loss+duty factor+ $10\log(500\text{kHz}/300\text{kHz})$.

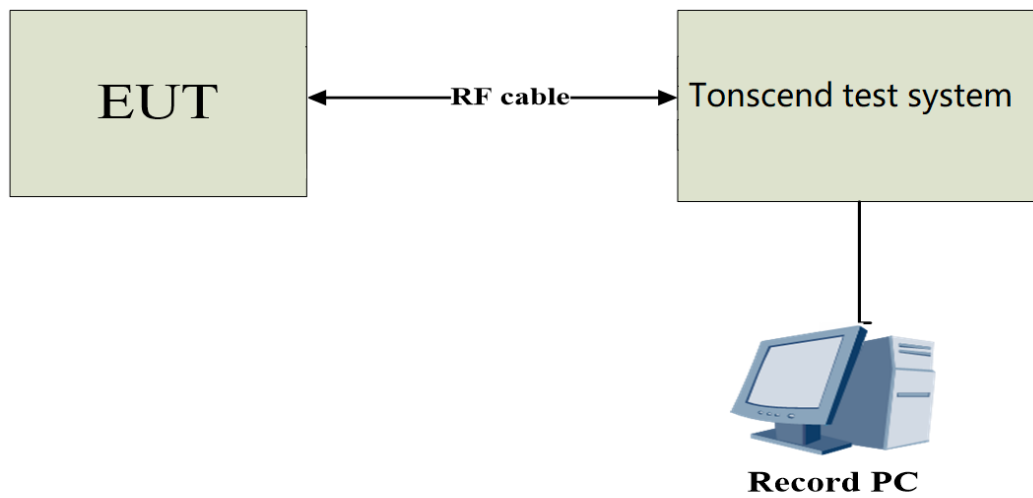
3.5.2 Test Procedure

Test Method	
☒ Conducted Measurement	☐ Radiated Measurement
Test Channels	
☒ Lowest, Middle and Highest Channel	☐ Lowest and Highest Channel
Environmental conditions	
☒ Normal	☐ Normal and Extreme
Note: ☒ Test ☐ No Test	

a) The EUT was directly connected to the tionscend test system and antenna output port as show in the block diagram below. Spectrum analyser settings as following:

Centre Frequency	The centre frequency of the channel under test
RBW	= 1 MHz (Band1/2/3); = 500kHz (Band4)
VBW	$\geq 3 \times \text{RBW}$
Frequency span	2 x Nominal Channel Bandwidth
Detector Mode	RMS
Trace Mode	Max Hold
Sweep Time	Auto Couple

3.5.3 Test Setup



3.5.4 The Result

WiFi 7 Chip (QCC2027PB):

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	3.00	≤11.00	PASS
	Ant2	5180	4.98	≤11.00	PASS
	Ant1	5200	3.16	≤11.00	PASS
	Ant2	5200	5.09	≤11.00	PASS
	Ant1	5240	4.53	≤11.00	PASS
	Ant2	5240	5.68	≤11.00	PASS
	Ant1	5260	4.91	≤11.00	PASS
	Ant2	5260	6.09	≤11.00	PASS
	Ant1	5280	5.12	≤11.00	PASS
	Ant2	5280	6.34	≤11.00	PASS
	Ant1	5320	5.05	≤11.00	PASS
	Ant2	5320	6.63	≤11.00	PASS
	Ant1	5500	1.64	≤11.00	PASS
	Ant2	5500	3.06	≤11.00	PASS
	Ant1	5580	0.96	≤11.00	PASS
	Ant2	5580	2.25	≤11.00	PASS
	Ant1	5700	3.19	≤11.00	PASS
	Ant2	5700	3.22	≤11.00	PASS
	Ant1	5745	0.99	≤30.00	PASS
	Ant2	5745	1.12	≤30.00	PASS
	Ant1	5785	1.72	≤30.00	PASS
	Ant2	5785	1.77	≤30.00	PASS
	Ant1	5825	1.66	≤30.00	PASS
	Ant2	5825	2.20	≤30.00	PASS
11N20MIMO	Ant1	5180	3.16	≤11.00	PASS
	Ant2	5180	4.80	≤11.00	PASS
	total	5180	7.07	≤11.00	PASS
	Ant1	5200	3.18	≤11.00	PASS
	Ant2	5200	5.08	≤11.00	PASS
	total	5200	7.24	≤11.00	PASS
	Ant1	5240	4.49	≤11.00	PASS
	Ant2	5240	5.75	≤11.00	PASS
	total	5240	8.18	≤11.00	PASS
	Ant1	5260	4.67	≤11.00	PASS
	Ant2	5260	6.13	≤11.00	PASS
	total	5260	8.47	≤11.00	PASS
	Ant1	5280	5.58	≤11.00	PASS
	Ant2	5280	6.45	≤11.00	PASS
	total	5280	9.05	≤11.00	PASS

	Ant1	5320	5.42	≤11.00	PASS
	Ant2	5320	6.72	≤11.00	PASS
	total	5320	9.13	≤11.00	PASS
	Ant1	5500	0.92	≤11.00	PASS
	Ant2	5500	2.81	≤11.00	PASS
	total	5500	4.98	≤11.00	PASS
	Ant1	5580	0.48	≤11.00	PASS
	Ant2	5580	1.73	≤11.00	PASS
	total	5580	4.16	≤11.00	PASS
	Ant1	5700	2.93	≤11.00	PASS
	Ant2	5700	2.95	≤11.00	PASS
	total	5700	5.95	≤11.00	PASS
	Ant1	5745	0.92	≤30.00	PASS
	Ant2	5745	1.04	≤30.00	PASS
	total	5745	3.99	≤30.00	PASS
	Ant1	5785	1.06	≤30.00	PASS
	Ant2	5785	1.22	≤30.00	PASS
	total	5785	4.15	≤30.00	PASS
	Ant1	5825	1.17	≤30.00	PASS
	Ant2	5825	1.82	≤30.00	PASS
	total	5825	4.52	≤30.00	PASS
11N40MIMO	Ant1	5190	0.18	≤11.00	PASS
	Ant2	5190	1.89	≤11.00	PASS
	total	5190	4.13	≤11.00	PASS
	Ant1	5230	1.17	≤11.00	PASS
	Ant2	5230	2.17	≤11.00	PASS
	total	5230	4.71	≤11.00	PASS
	Ant1	5270	2.08	≤11.00	PASS
	Ant2	5270	3.28	≤11.00	PASS
	total	5270	5.73	≤11.00	PASS
	Ant1	5310	2.53	≤11.00	PASS
	Ant2	5310	3.77	≤11.00	PASS
	total	5310	6.20	≤11.00	PASS
	Ant1	5510	-1.59	≤11.00	PASS
	Ant2	5510	-0.34	≤11.00	PASS
	total	5510	2.09	≤11.00	PASS
	Ant1	5550	-2.58	≤11.00	PASS
	Ant2	5550	-1.16	≤11.00	PASS
	total	5550	1.20	≤11.00	PASS
	Ant1	5670	-0.84	≤11.00	PASS
	Ant2	5670	-0.58	≤11.00	PASS
	total	5670	2.30	≤11.00	PASS
	Ant1	5755	-1.85	≤30.00	PASS

	Ant2	5755	-1.72	≤30.00	PASS
	total	5755	1.23	≤30.00	PASS
	Ant1	5795	-1.41	≤30.00	PASS
	Ant2	5795	-1.15	≤30.00	PASS
	total	5795	1.73	≤30.00	PASS
11AC20MIMO	Ant1	5180	2.88	≤11.00	PASS
	Ant2	5180	4.85	≤11.00	PASS
	total	5180	6.99	≤11.00	PASS
	Ant1	5200	3.21	≤11.00	PASS
	Ant2	5200	4.47	≤11.00	PASS
	total	5200	6.90	≤11.00	PASS
	Ant1	5240	4.56	≤11.00	PASS
	Ant2	5240	5.51	≤11.00	PASS
	total	5240	8.07	≤11.00	PASS
	Ant1	5260	4.65	≤11.00	PASS
	Ant2	5260	6.14	≤11.00	PASS
	total	5260	8.47	≤11.00	PASS
	Ant1	5280	5.23	≤11.00	PASS
	Ant2	5280	6.36	≤11.00	PASS
	total	5280	8.84	≤11.00	PASS
	Ant1	5320	5.14	≤11.00	PASS
	Ant2	5320	6.36	≤11.00	PASS
	total	5320	8.80	≤11.00	PASS
	Ant1	5500	1.25	≤11.00	PASS
	Ant2	5500	2.72	≤11.00	PASS
	total	5500	5.06	≤11.00	PASS
	Ant1	5580	0.34	≤11.00	PASS
	Ant2	5580	1.51	≤11.00	PASS
	total	5580	3.97	≤11.00	PASS
	Ant1	5700	2.71	≤11.00	PASS
	Ant2	5700	2.72	≤11.00	PASS
	total	5700	5.73	≤11.00	PASS
	Ant1	5745	0.20	≤30.00	PASS
	Ant2	5745	0.55	≤30.00	PASS
	total	5745	3.39	≤30.00	PASS
	Ant1	5785	0.72	≤30.00	PASS
	Ant2	5785	1.14	≤30.00	PASS
	total	5785	3.95	≤30.00	PASS
	Ant1	5825	0.71	≤30.00	PASS
	Ant2	5825	1.53	≤30.00	PASS
	total	5825	4.15	≤30.00	PASS
11AC40MIMO	Ant1	5190	0.34	≤11.00	PASS
	Ant2	5190	1.71	≤11.00	PASS

	total	5190	4.09	≤11.00	PASS
	Ant1	5230	1.04	≤11.00	PASS
	Ant2	5230	2.13	≤11.00	PASS
	total	5230	4.63	≤11.00	PASS
	Ant1	5270	2.33	≤11.00	PASS
	Ant2	5270	3.28	≤11.00	PASS
	total	5270	5.84	≤11.00	PASS
	Ant1	5310	2.46	≤11.00	PASS
	Ant2	5310	3.45	≤11.00	PASS
	total	5310	5.99	≤11.00	PASS
	Ant1	5510	-2.03	≤11.00	PASS
	Ant2	5510	-0.26	≤11.00	PASS
	total	5510	1.95	≤11.00	PASS
	Ant1	5550	-2.71	≤11.00	PASS
	Ant2	5550	-1.45	≤11.00	PASS
	total	5550	0.98	≤11.00	PASS
	Ant1	5670	-1.00	≤11.00	PASS
	Ant2	5670	-1.00	≤11.00	PASS
	total	5670	2.01	≤11.00	PASS
	Ant1	5755	-2.16	≤30.00	PASS
	Ant2	5755	-2.06	≤30.00	PASS
	total	5755	0.90	≤30.00	PASS
	Ant1	5795	-1.76	≤30.00	PASS
	Ant2	5795	-1.79	≤30.00	PASS
	total	5795	1.24	≤30.00	PASS
11AC80MIMO	Ant1	5210	-34.75	≤11.00	PASS
	Ant2	5210	-1.69	≤11.00	PASS
	total	5210	-1.69	≤11.00	PASS
	Ant1	5290	-0.80	≤11.00	PASS
	Ant2	5290	-0.20	≤11.00	PASS
	total	5290	2.52	≤11.00	PASS
	Ant1	5530	-5.79	≤11.00	PASS
	Ant2	5530	-4.04	≤11.00	PASS
	total	5530	-1.82	≤11.00	PASS
	Ant1	5610	-5.14	≤11.00	PASS
	Ant2	5610	-4.39	≤11.00	PASS
	total	5610	-1.74	≤11.00	PASS
	Ant1	5775	-5.05	≤30.00	PASS
	Ant2	5775	-4.86	≤30.00	PASS
	total	5775	-1.94	≤30.00	PASS
11AC160MIMO	Ant1	5250	-5.74	≤11.00	PASS
	Ant2	5250	-4.89	≤11.00	PASS
	total	5250	-2.28	≤11.00	PASS

	Ant1	5570	-8.33	≤11.00	PASS
	Ant2	5570	-7.89	≤11.00	PASS
	total	5570	-5.09	≤11.00	PASS
11AX20MIMO	Ant1	5180	2.81	≤11.00	PASS
	Ant2	5180	4.74	≤11.00	PASS
	total	5180	6.89	≤11.00	PASS
	Ant1	5200	3.49	≤11.00	PASS
	Ant2	5200	5.13	≤11.00	PASS
	total	5200	7.40	≤11.00	PASS
	Ant1	5240	4.47	≤11.00	PASS
	Ant2	5240	5.56	≤11.00	PASS
	total	5240	8.06	≤11.00	PASS
	Ant1	5260	4.77	≤11.00	PASS
	Ant2	5260	6.28	≤11.00	PASS
	total	5260	8.60	≤11.00	PASS
	Ant1	5280	5.37	≤11.00	PASS
	Ant2	5280	6.13	≤11.00	PASS
	total	5280	8.78	≤11.00	PASS
	Ant1	5320	5.23	≤11.00	PASS
	Ant2	5320	6.56	≤11.00	PASS
	total	5320	8.96	≤11.00	PASS
	Ant1	5500	0.97	≤11.00	PASS
	Ant2	5500	3.00	≤11.00	PASS
	total	5500	5.11	≤11.00	PASS
	Ant1	5580	0.50	≤11.00	PASS
	Ant2	5580	1.75	≤11.00	PASS
	total	5580	4.18	≤11.00	PASS
	Ant1	5700	3.07	≤11.00	PASS
	Ant2	5700	2.76	≤11.00	PASS
	total	5700	5.93	≤11.00	PASS
	Ant1	5745	0.64	≤30.00	PASS
	Ant2	5745	0.85	≤30.00	PASS
	total	5745	3.76	≤30.00	PASS
	Ant1	5785	1.10	≤30.00	PASS
	Ant2	5785	0.67	≤30.00	PASS
	total	5785	3.90	≤30.00	PASS
	Ant1	5825	0.76	≤30.00	PASS
	Ant2	5825	1.70	≤30.00	PASS
	total	5825	4.27	≤30.00	PASS
11AX40MIMO	Ant1	5190	1.34	≤11.00	PASS
	Ant2	5190	1.19	≤11.00	PASS
	total	5190	4.28	≤11.00	PASS
	Ant1	5230	1.89	≤11.00	PASS

	Ant2	5230	1.49	≤11.00	PASS
	total	5230	4.70	≤11.00	PASS
	Ant1	5270	2.77	≤11.00	PASS
	Ant2	5270	2.42	≤11.00	PASS
	total	5270	5.61	≤11.00	PASS
	Ant1	5310	2.99	≤11.00	PASS
	Ant2	5310	2.74	≤11.00	PASS
	total	5310	5.88	≤11.00	PASS
	Ant1	5510	-0.88	≤11.00	PASS
	Ant2	5510	-0.99	≤11.00	PASS
	total	5510	2.08	≤11.00	PASS
	Ant1	5550	-2.00	≤11.00	PASS
	Ant2	5550	-2.04	≤11.00	PASS
	total	5550	0.99	≤11.00	PASS
	Ant1	5670	-1.52	≤11.00	PASS
	Ant2	5670	-1.26	≤11.00	PASS
	total	5670	1.62	≤11.00	PASS
	Ant1	5755	-2.52	≤30.00	PASS
	Ant2	5755	-2.33	≤30.00	PASS
	total	5755	0.59	≤30.00	PASS
	Ant1	5795	-2.00	≤30.00	PASS
	Ant2	5795	-2.12	≤30.00	PASS
	total	5795	0.95	≤30.00	PASS
11AX80MIMO	Ant1	5210	-1.75	≤11.00	PASS
	Ant2	5210	-1.97	≤11.00	PASS
	total	5210	1.15	≤11.00	PASS
	Ant1	5290	-0.19	≤11.00	PASS
	Ant2	5290	-0.59	≤11.00	PASS
	total	5290	2.62	≤11.00	PASS
	Ant1	5530	-5.54	≤11.00	PASS
	Ant2	5530	-4.43	≤11.00	PASS
	total	5530	-1.94	≤11.00	PASS
	Ant1	5610	-4.67	≤11.00	PASS
	Ant2	5610	-4.62	≤11.00	PASS
	total	5610	-1.63	≤11.00	PASS
	Ant1	5775	-3.37	≤30.00	PASS
	Ant2	5775	-4.04	≤30.00	PASS
	total	5775	-0.68	≤30.00	PASS
11AX160MIMO	Ant1	5250	-4.93	≤11.00	PASS
	Ant2	5250	-4.19	≤11.00	PASS
	total	5250	-1.53	≤11.00	PASS
	Ant1	5570	-7.43	≤11.00	PASS
	Ant2	5570	-7.73	≤11.00	PASS

	total	5570	-4.57	≤11.00	PASS
11BE20MIMO	Ant1	5180	3.28	≤11.00	PASS
	Ant2	5180	3.86	≤11.00	PASS
	total	5180	6.59	≤11.00	PASS
	Ant1	5200	3.72	≤11.00	PASS
	Ant2	5200	3.75	≤11.00	PASS
	total	5200	6.75	≤11.00	PASS
	Ant1	5240	4.85	≤11.00	PASS
	Ant2	5240	4.83	≤11.00	PASS
	total	5240	7.85	≤11.00	PASS
	Ant1	5260	5.18	≤11.00	PASS
	Ant2	5260	5.30	≤11.00	PASS
	total	5260	8.25	≤11.00	PASS
	Ant1	5280	5.48	≤11.00	PASS
	Ant2	5280	5.52	≤11.00	PASS
	total	5280	8.51	≤11.00	PASS
	Ant1	5320	5.46	≤11.00	PASS
	Ant2	5320	5.81	≤11.00	PASS
	total	5320	8.65	≤11.00	PASS
	Ant1	5500	2.04	≤11.00	PASS
	Ant2	5500	2.66	≤11.00	PASS
	total	5500	5.37	≤11.00	PASS
	Ant1	5580	1.75	≤11.00	PASS
	Ant2	5580	1.42	≤11.00	PASS
	total	5580	4.60	≤11.00	PASS
	Ant1	5700	3.92	≤11.00	PASS
	Ant2	5700	2.48	≤11.00	PASS
	total	5700	6.27	≤11.00	PASS
	Ant1	5745	2.22	≤30.00	PASS
	Ant2	5745	0.95	≤30.00	PASS
	total	5745	4.64	≤30.00	PASS
	Ant1	5785	2.63	≤30.00	PASS
	Ant2	5785	1.96	≤30.00	PASS
	total	5785	5.32	≤30.00	PASS
	Ant1	5825	2.69	≤30.00	PASS
	Ant2	5825	2.33	≤30.00	PASS
	total	5825	5.52	≤30.00	PASS
11BE40MIMO	Ant1	5190	0.91	≤11.00	PASS
	Ant2	5190	1.15	≤11.00	PASS
	total	5190	4.04	≤11.00	PASS
	Ant1	5230	1.69	≤11.00	PASS
	Ant2	5230	1.62	≤11.00	PASS
	total	5230	4.67	≤11.00	PASS

	Ant1	5270	2.43	≤11.00	PASS
	Ant2	5270	2.79	≤11.00	PASS
	total	5270	5.62	≤11.00	PASS
	Ant1	5310	2.89	≤11.00	PASS
	Ant2	5310	2.99	≤11.00	PASS
	total	5310	5.95	≤11.00	PASS
	Ant1	5510	-1.36	≤11.00	PASS
	Ant2	5510	-0.72	≤11.00	PASS
	total	5510	1.98	≤11.00	PASS
	Ant1	5550	-2.11	≤11.00	PASS
	Ant2	5550	-2.05	≤11.00	PASS
	total	5550	0.93	≤11.00	PASS
	Ant1	5670	-0.38	≤11.00	PASS
	Ant2	5670	-0.93	≤11.00	PASS
	total	5670	2.36	≤11.00	PASS
	Ant1	5755	-1.85	≤30.00	PASS
	Ant2	5755	-1.94	≤30.00	PASS
	total	5755	1.12	≤30.00	PASS
	Ant1	5795	-1.07	≤30.00	PASS
	Ant2	5795	-1.64	≤30.00	PASS
	total	5795	1.66	≤30.00	PASS
11BE80MIMO	Ant1	5210	-2.27	≤11.00	PASS
	Ant2	5210	-2.11	≤11.00	PASS
	total	5210	0.82	≤11.00	PASS
	Ant1	5290	-0.14	≤11.00	PASS
	Ant2	5290	-0.45	≤11.00	PASS
	total	5290	2.72	≤11.00	PASS
	Ant1	5530	-4.45	≤11.00	PASS
	Ant2	5530	-4.19	≤11.00	PASS
	total	5530	-1.31	≤11.00	PASS
	Ant1	5610	-3.87	≤11.00	PASS
	Ant2	5610	-4.40	≤11.00	PASS
	total	5610	-1.12	≤11.00	PASS
	Ant1	5775	-4.09	≤30.00	PASS
	Ant2	5775	-4.37	≤30.00	PASS
	total	5775	-1.22	≤30.00	PASS
11BE160MIMO	Ant1	5250	-5.05	≤11.00	PASS
	Ant2	5250	-4.74	≤11.00	PASS
	total	5250	-1.88	≤11.00	PASS
	Ant1	5570	-7.02	≤11.00	PASS
	Ant2	5570	-7.77	≤11.00	PASS
	total	5570	-4.37	≤11.00	PASS

WiFi 5 Chip (RTL8811CU):

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant3	5180	4.80	≤11.00	PASS
		5200	4.57	≤11.00	PASS
		5240	4.96	≤11.00	PASS
		5260	5.20	≤11.00	PASS
		5280	5.19	≤11.00	PASS
		5320	5.48	≤11.00	PASS
		5500	6.31	≤11.00	PASS
		5580	7.11	≤11.00	PASS
		5700	6.65	≤11.00	PASS
		5745	2.48	≤30.00	PASS
		5785	2.30	≤30.00	PASS
		5825	2.14	≤30.00	PASS
11N20SISO	Ant3	5180	4.06	≤11.00	PASS
		5200	4.05	≤11.00	PASS
		5240	4.21	≤11.00	PASS
		5260	4.30	≤11.00	PASS
		5280	4.39	≤11.00	PASS
		5320	6.08	≤11.00	PASS
		5500	5.98	≤11.00	PASS
		5580	6.80	≤11.00	PASS
		5700	6.33	≤11.00	PASS
		5745	2.18	≤30.00	PASS
		5785	1.97	≤30.00	PASS
		5825	1.92	≤30.00	PASS
11N40SISO	Ant3	5190	0.99	≤11.00	PASS
		5230	1.61	≤11.00	PASS
		5270	1.40	≤11.00	PASS
		5310	1.64	≤11.00	PASS
		5510	3.02	≤11.00	PASS
		5550	3.17	≤11.00	PASS
		5670	2.83	≤11.00	PASS
		5755	-0.90	≤30.00	PASS
		5795	-0.63	≤30.00	PASS
11AC20SISO	Ant3	5180	4.24	≤11.00	PASS
		5200	3.87	≤11.00	PASS
		5240	4.40	≤11.00	PASS
		5260	4.22	≤11.00	PASS
		5280	4.54	≤11.00	PASS
		5320	4.83	≤11.00	PASS
		5500	5.80	≤11.00	PASS

		5580	6.92	≤ 11.00	PASS
		5700	6.32	≤ 11.00	PASS
		5745	1.92	≤ 30.00	PASS
		5785	2.11	≤ 30.00	PASS
		5825	2.14	≤ 30.00	PASS
11AC40SISO	Ant3	5190	1.51	≤ 11.00	PASS
		5230	1.25	≤ 11.00	PASS
		5270	1.44	≤ 11.00	PASS
		5310	1.74	≤ 11.00	PASS
		5510	2.78	≤ 11.00	PASS
		5550	3.37	≤ 11.00	PASS
		5670	2.92	≤ 11.00	PASS
		5755	-0.57	≤ 30.00	PASS
		5795	-1.57	≤ 30.00	PASS
11AC80SISO	Ant3	5210	-0.42	≤ 11.00	PASS
		5290	-0.29	≤ 11.00	PASS
		5530	1.95	≤ 11.00	PASS
		5610	1.88	≤ 11.00	PASS
		5775	-2.77	≤ 30.00	PASS

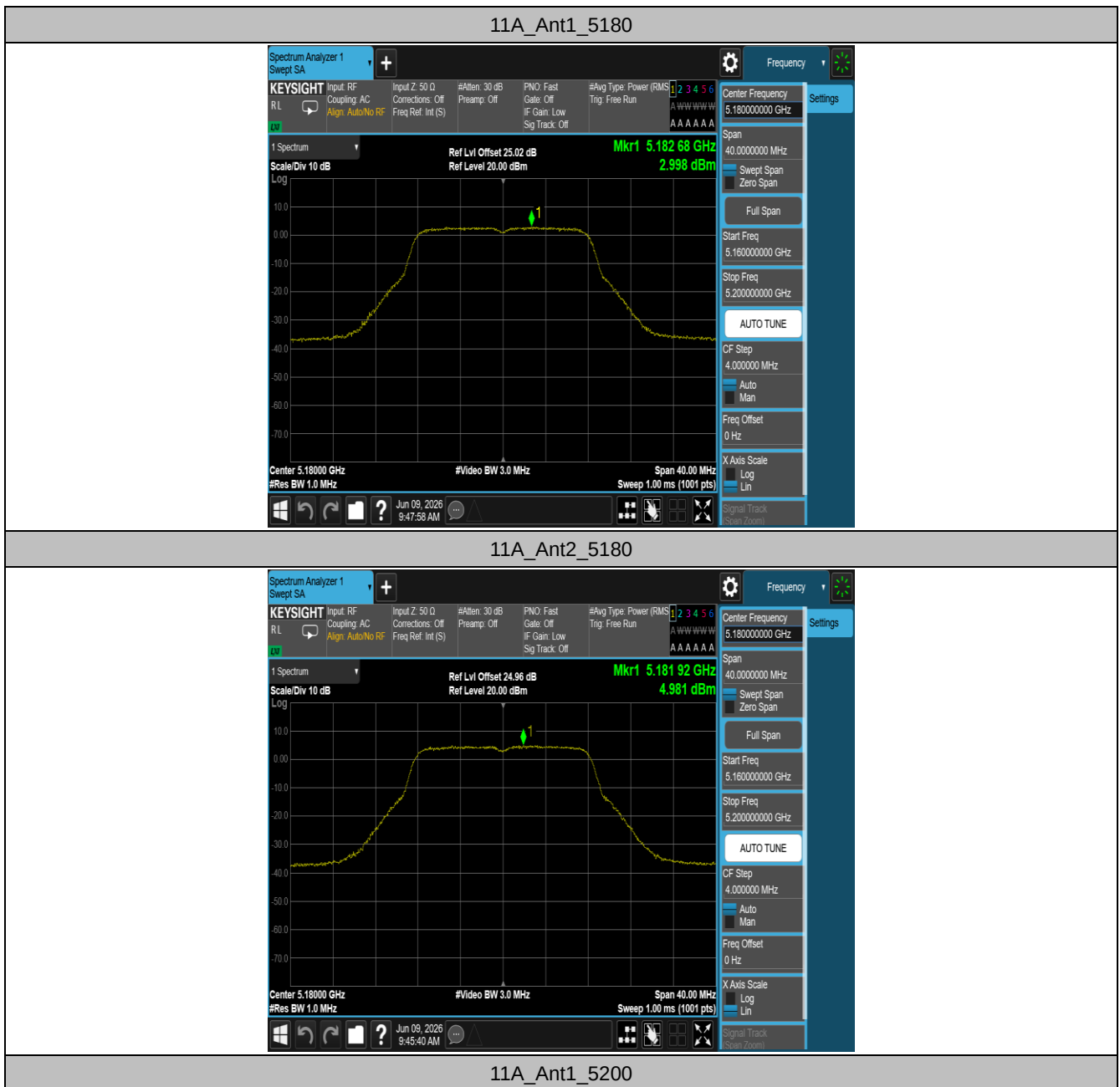
Note: The Duty Cycle Factor is compensated in the test system

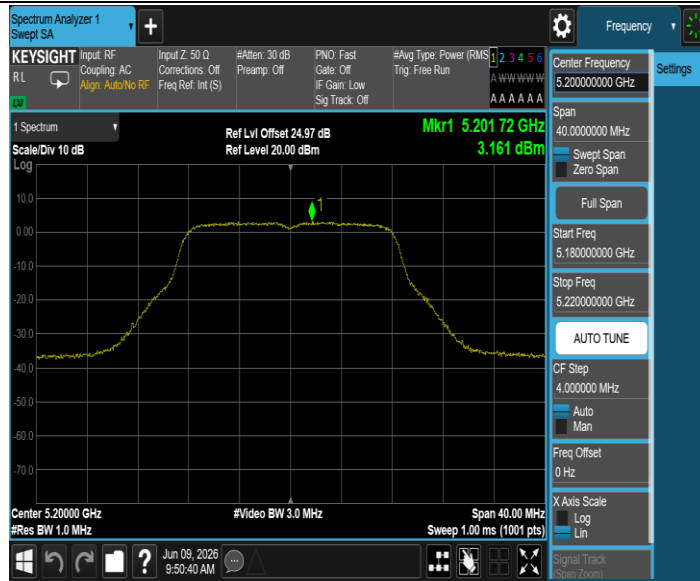
For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 300kHz and VBW at 1500kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log(500 \text{ kHz}/300 \text{ kHz})$ to the measured result, i.e. 2.22 dB.

During the test of U-NII 3 PSD, the measurement result with RBW=300kHz has been added 2.22 dB by compensating offset, $\text{offset} = \text{cable loss} + \text{duty factor} + 10 \log(500 \text{ kHz}/300 \text{ kHz})$.

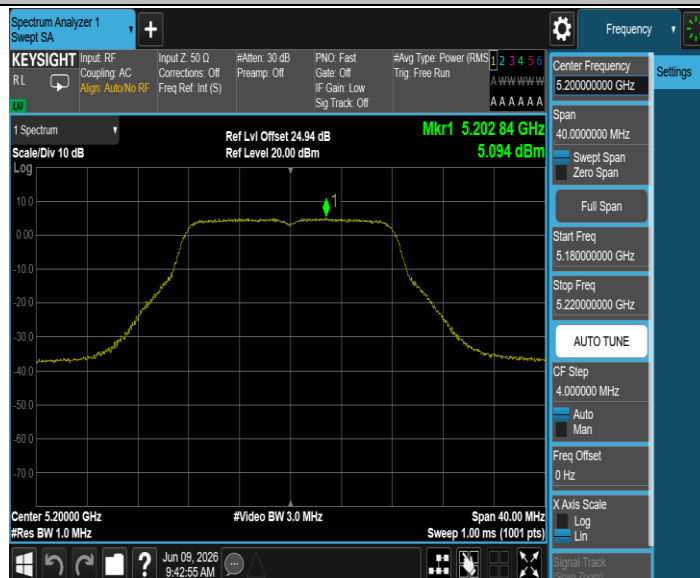
3.5.5 The Graphs

WiFi 7 Chip (QCC2027PB):

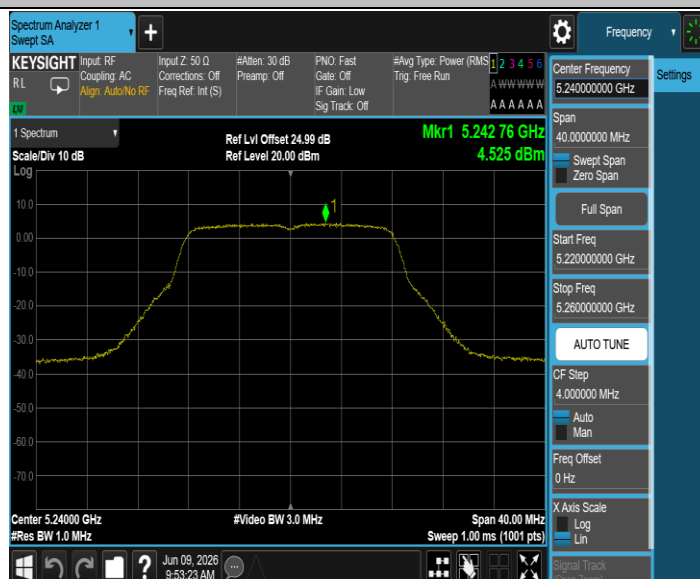




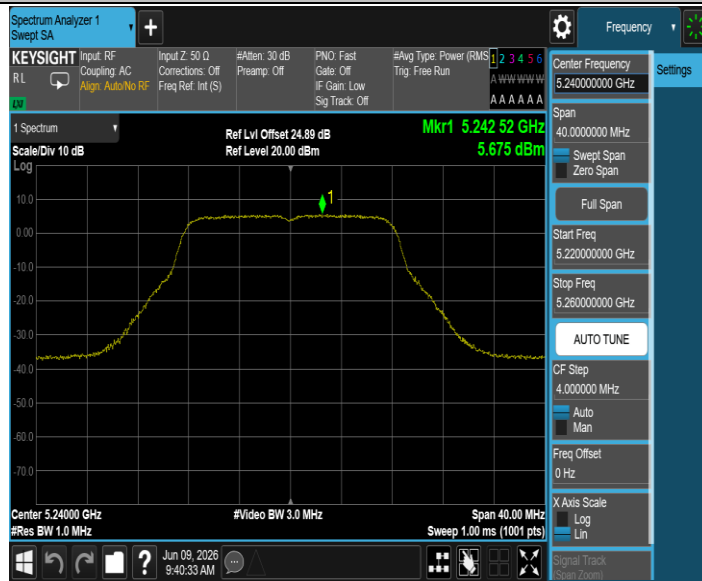
11A_Ant2_5200



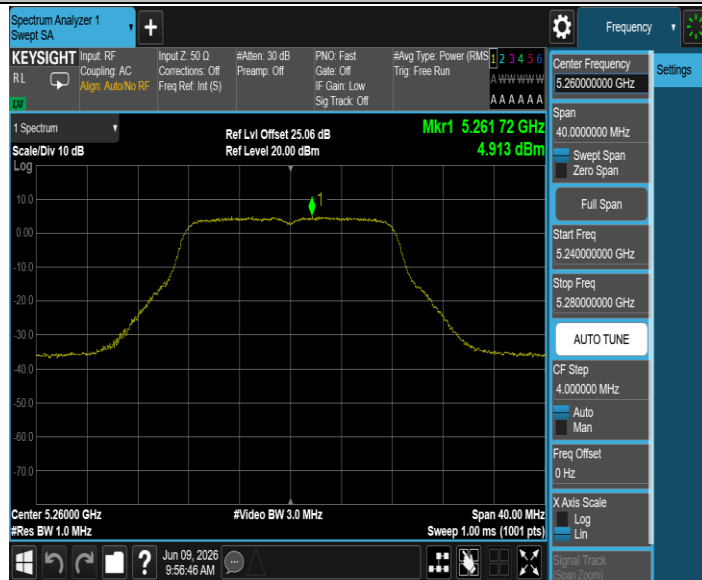
11A_Ant1_5240



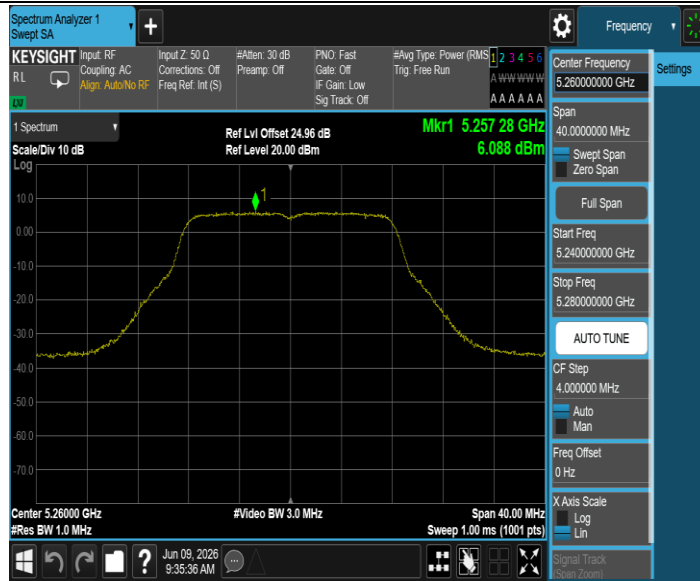
11A_Ant2_5240



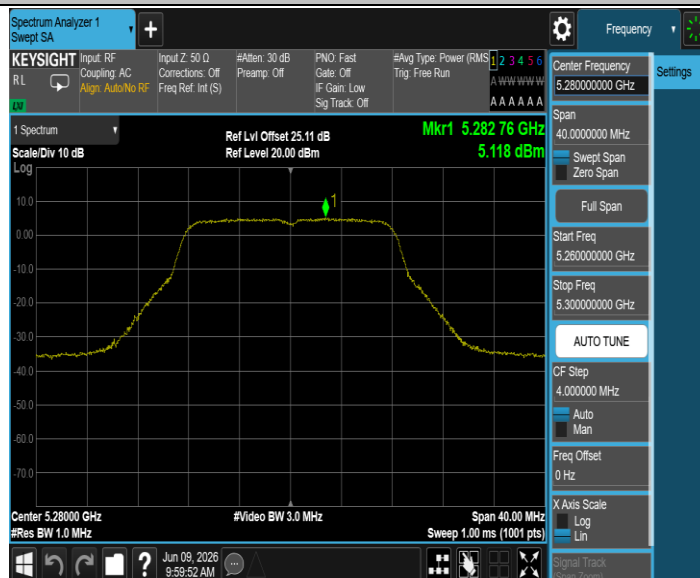
11A_Ant1_5260



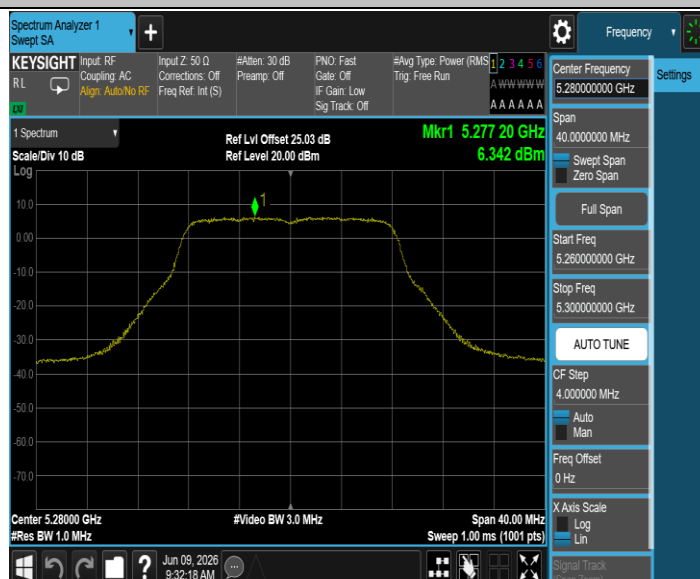
11A_Ant2_5260



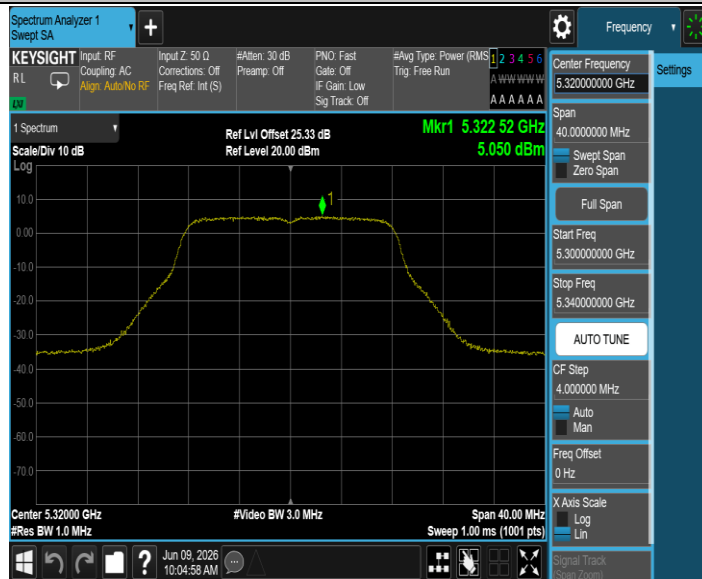
11A_Ant1_5280



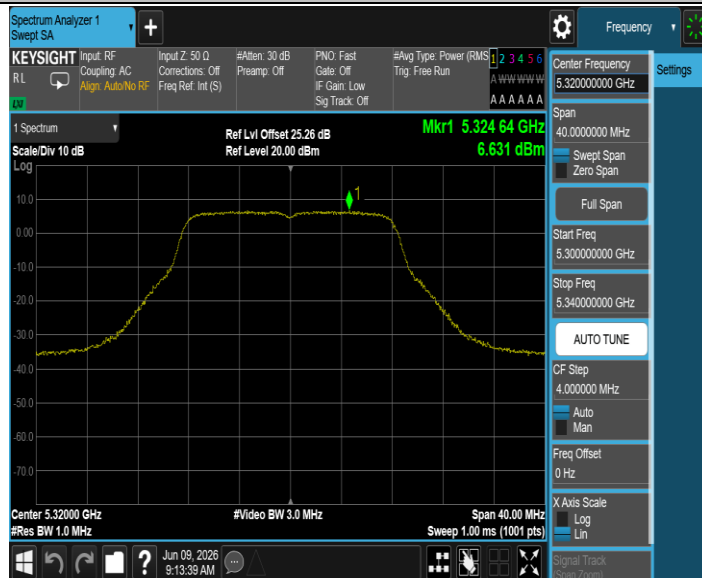
11A_Ant2_5280



11A_Ant1_5320



11A_Ant2_5320



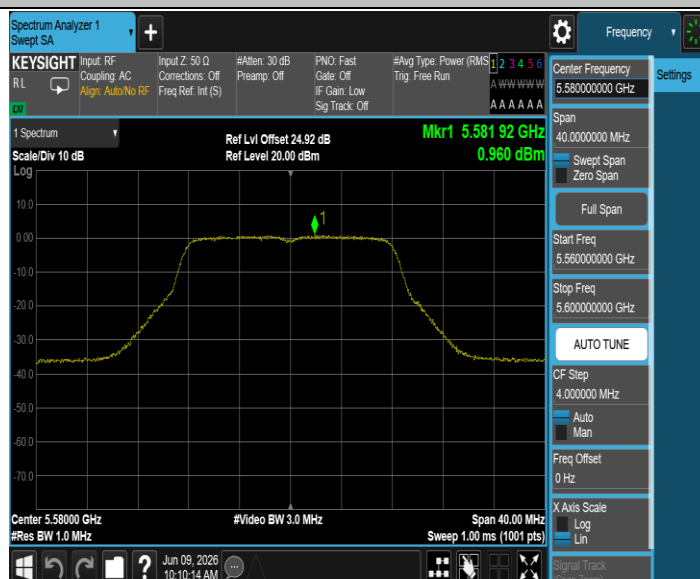
11A_Ant1_5500



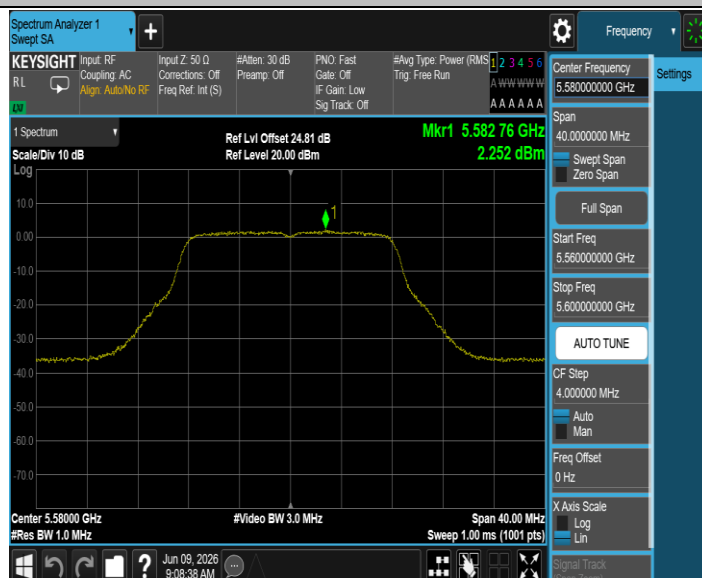
11A_Ant2_5500



11A_Ant1_5580



11A_Ant2_5580



11A_Ant1_5700



11A_Ant2_5700