



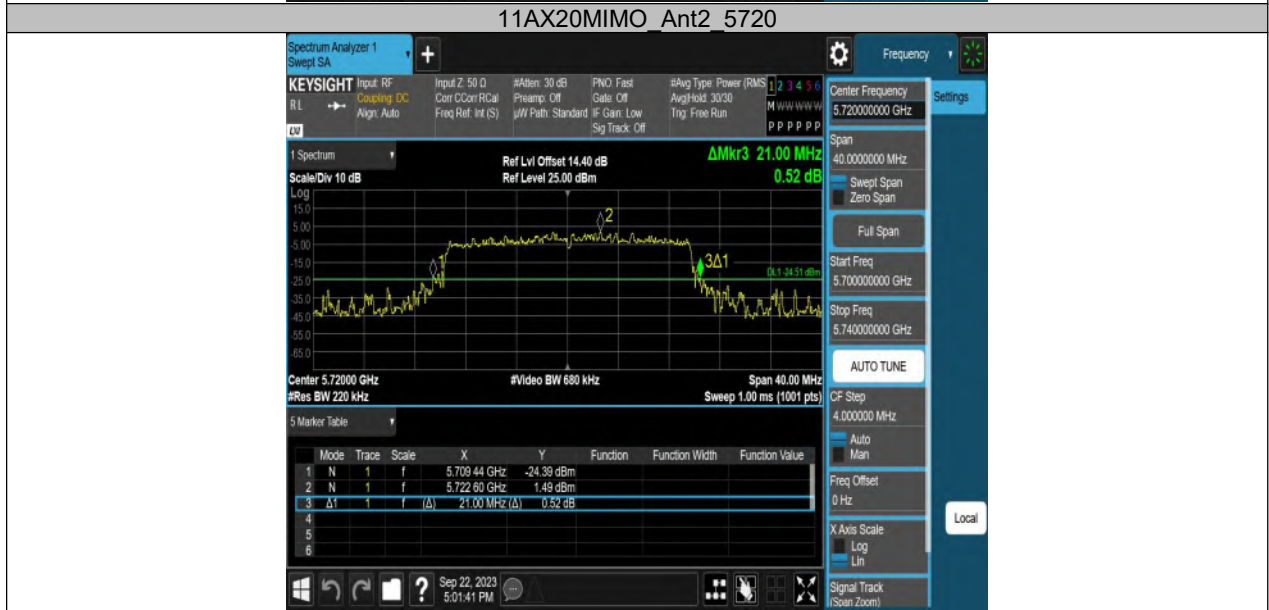
11AC80MIMO Ant1 5690



11AC80MIMO Ant2 5690



11AX20MIMO Ant1 5720





## 10. Maximum Output Power

### 10.1. Block Diagram of Test Setup

Same as section 8.1

### 10.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	<input type="checkbox"/> Outdoor Access Point: 1 W (30 dBm)	5150-5250
	<input type="checkbox"/> Indoor Access Point: 1 W (30 dBm)	
	<input type="checkbox"/> Fixed Point-To-Point Access Points: 1 W (30 dBm)	
	<input checked="" type="checkbox"/> Client Devices: 250 mW (24 dBm)	
	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250-5350 5470-5725
	Shall not exceed 1 Watt (30 dBm).	5725-5850

ISED RSS-247 ISSUE 3		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power or e.i.r.p.	The maximum e.i.r.p. shall not exceed 200 mW (23 dBm) or $10 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99 % emission bandwidth in megahertz.	5150-5250
	a. The maximum conducted output power shall not exceed 250 mW (24 dBm) or $11 + 10 \log_{10} B$ dBm, whichever is less.	5250-5350
	b. The maximum e.i.r.p. shall not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$ dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.	5250-5350 5470-5600 5650-5725
	Shall not exceed 1 Watt (30 dBm). The e.i.r.p. shall not exceed 4 W	5725-5850

Note: The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 10.3. Test Procedure

- (1) Connect each EUT's antenna output to power meter by RF cable and attenuator
- (2) Add each antenna port's results to get the total output power of EUT.

### 10.4. Test Result

Test Mode	Ant.	Freq. (MHz)	Channel Power (dBm)	DC Factor (dBm)	Result (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11A	Ant1	5180	13.36	1.05	14.41	≤24.00	19.15	≤23.00	PASS
	Ant2	5180	12.44	1.02	13.46	≤24.00	18.20	≤23.00	PASS
	Ant1	5200	13.65	1.05	14.70	≤24.00	19.44	≤23.00	PASS
	Ant2	5200	12.56	1.05	13.61	≤24.00	18.35	≤23.00	PASS
	Ant1	5240	13.50	1.02	14.52	≤24.00	19.26	≤23.00	PASS
	Ant2	5240	12.90	1.02	13.92	≤24.00	18.66	≤23.00	PASS
	Ant1	5260	13.19	1.05	14.24	≤24.00	18.98	≤24.00	PASS
	Ant2	5260	12.70	1.05	13.75	≤24.00	18.49	≤24.00	PASS
	Ant1	5280	12.64	1.05	13.69	≤24.00	18.43	≤24.00	PASS
	Ant2	5280	12.55	1.05	13.60	≤24.00	18.34	≤24.00	PASS
	Ant1	5320	13.12	1.02	14.14	≤24.00	18.88	≤24.00	PASS
	Ant2	5320	13.42	1.05	14.47	≤24.00	19.21	≤24.00	PASS
	Ant1	5500	12.86	1.10	13.96	≤24.00	18.70	≤24.00	PASS
	Ant2	5500	12.55	1.05	13.60	≤24.00	18.34	≤24.00	PASS
	Ant1	5580	13.47	1.05	14.52	≤24.00	19.26	≤24.00	PASS
	Ant2	5580	12.87	1.05	13.92	≤24.00	18.66	≤24.00	PASS
	Ant1	5700	13.24	1.05	14.29	≤24.00	19.03	≤24.00	PASS
	Ant2	5700	12.74	1.05	13.79	≤24.00	18.53	≤24.00	PASS
	Ant1	5745	13.74	1.05	14.79	≤30.00	19.53	≤36.00	PASS
	Ant2	5745	12.60	1.05	13.65	≤30.00	18.39	≤36.00	PASS
Ant1	5785	13.45	1.05	14.50	≤30.00	19.24	≤36.00	PASS	
Ant2	5785	12.64	1.05	13.69	≤30.00	18.43	≤36.00	PASS	
Ant1	5825	13.11	1.05	14.16	≤30.00	18.90	≤36.00	PASS	
Ant2	5825	13.01	1.02	14.03	≤30.00	18.77	≤36.00	PASS	
11N20MI MO	Ant1	5180	9.67	1.91	11.58	≤24.00	16.32	≤23.00	PASS
	Ant2	5180	8.50	1.85	10.35	≤24.00	15.09	≤23.00	PASS
	total	5180	---	---	14.02	≤24.00	18.76	≤23.00	PASS
	Ant1	5200	9.63	1.91	11.54	≤24.00	16.28	≤23.00	PASS
	Ant2	5200	8.76	1.85	10.61	≤24.00	15.35	≤23.00	PASS
	total	5200	---	---	14.11	≤24.00	18.85	≤23.00	PASS
	Ant1	5240	9.59	1.85	11.44	≤24.00	16.18	≤23.00	PASS
	Ant2	5240	8.88	1.91	10.79	≤24.00	15.53	≤23.00	PASS
	total	5240	---	---	14.14	≤24.00	18.88	≤23.00	PASS
	Ant1	5260	9.02	1.91	10.93	≤24.00	15.67	≤24.00	PASS
	Ant2	5260	8.86	1.91	10.77	≤24.00	15.51	≤24.00	PASS
	total	5260	---	---	13.86	≤24.00	18.60	≤24.00	PASS
	Ant1	5280	9.05	1.85	10.90	≤24.00	15.64	≤24.00	PASS
	Ant2	5280	8.85	1.91	10.76	≤24.00	15.50	≤24.00	PASS
	total	5280	---	---	13.84	≤24.00	18.58	≤24.00	PASS
	Ant1	5320	7.87	1.91	9.78	≤24.00	14.52	≤24.00	PASS
	Ant2	5320	8.51	1.91	10.42	≤24.00	15.16	≤24.00	PASS
	total	5320	---	---	13.12	≤24.00	17.86	≤24.00	PASS
	Ant1	5500	7.94	1.91	9.85	≤24.00	14.59	≤24.00	PASS
	Ant2	5500	10.39	1.85	12.24	≤24.00	16.98	≤24.00	PASS
	total	5500	---	---	14.22	≤24.00	18.96	≤24.00	PASS
	Ant1	5580	7.19	1.91	9.10	≤24.00	13.84	≤24.00	PASS
	Ant2	5580	9.91	1.85	11.76	≤24.00	16.50	≤24.00	PASS
	total	5580	---	---	13.64	≤24.00	18.38	≤24.00	PASS
	Ant1	5700	9.08	1.85	10.93	≤24.00	15.67	≤24.00	PASS
	Ant2	5700	9.19	1.85	11.04	≤24.00	15.78	≤24.00	PASS
	total	5700	---	---	14.00	≤24.00	18.74	≤24.00	PASS
	Ant1	5745	9.86	1.99	11.85	≤30.00	16.59	≤36.00	PASS
Ant2	5745	9.08	1.91	10.99	≤30.00	15.73	≤36.00	PASS	
total	5745	---	---	14.45	≤30.00	19.19	≤36.00	PASS	
Ant1	5785	9.47	1.91	11.38	≤30.00	16.12	≤36.00	PASS	
Ant2	5785	8.03	1.91	9.94	≤30.00	14.68	≤36.00	PASS	

	total	5785	---	---	13.73	≤30.00	18.47	≤36.00	PASS
	Ant1	5825	8.35	1.85	10.20	≤30.00	14.94	≤36.00	PASS
	Ant2	5825	8.62	1.85	10.47	≤30.00	15.21	≤36.00	PASS
	total	5825	---	---	13.35	≤30.00	18.09	≤36.00	PASS
11N40MI MO	Ant1	5190	7.80	3.25	11.05	≤24.00	15.79	≤23.00	PASS
	Ant2	5190	7.08	3.25	10.33	≤24.00	15.07	≤23.00	PASS
	total	5190	---	---	13.72	≤24.00	18.46	≤23.00	PASS
	Ant1	5230	7.95	3.19	11.14	≤24.00	15.88	≤23.00	PASS
	Ant2	5230	7.15	3.26	10.41	≤24.00	15.15	≤23.00	PASS
	total	5230	---	---	13.80	≤24.00	18.54	≤23.00	PASS
	Ant1	5270	7.19	3.25	10.44	≤24.00	15.18	≤24.00	PASS
	Ant2	5270	7.04	3.54	10.58	≤24.00	15.32	≤24.00	PASS
	total	5270	---	---	13.52	≤24.00	18.26	≤24.00	PASS
	Ant1	5310	6.74	3.25	9.99	≤24.00	14.73	≤24.00	PASS
	Ant2	5310	6.89	3.42	10.31	≤24.00	15.05	≤24.00	PASS
	total	5310	---	---	13.16	≤24.00	17.90	≤24.00	PASS
	Ant1	5510	5.72	3.25	8.97	≤24.00	13.71	≤24.00	PASS
	Ant2	5510	8.55	3.32	11.87	≤24.00	16.61	≤24.00	PASS
	total	5510	---	---	13.67	≤24.00	18.41	≤24.00	PASS
	Ant1	5550	6.56	3.42	9.98	≤24.00	14.72	≤24.00	PASS
	Ant2	5550	8.32	3.32	11.64	≤24.00	16.38	≤24.00	PASS
	total	5550	---	---	13.90	≤24.00	18.64	≤24.00	PASS
	Ant1	5670	6.76	3.54	10.30	≤24.00	15.04	≤24.00	PASS
	Ant2	5670	7.71	3.25	10.96	≤24.00	15.70	≤24.00	PASS
total	5670	---	---	13.65	≤24.00	18.39	≤24.00	PASS	
Ant1	5755	7.81	3.19	11.00	≤30.00	15.74	≤36.00	PASS	
Ant2	5755	6.74	3.26	10.00	≤30.00	14.74	≤36.00	PASS	
total	5755	---	---	13.54	≤30.00	18.28	≤36.00	PASS	
Ant1	5795	7.68	3.19	10.87	≤30.00	15.61	≤36.00	PASS	
Ant2	5795	7.14	3.25	10.39	≤30.00	15.13	≤36.00	PASS	
total	5795	---	---	13.65	≤30.00	18.39	≤36.00	PASS	
11AC20M IMO	Ant1	5180	9.25	1.93	11.18	≤24.00	15.92	≤23.00	PASS
	Ant2	5180	8.17	1.93	10.10	≤24.00	14.84	≤23.00	PASS
	total	5180	---	---	13.68	≤24.00	18.42	≤23.00	PASS
	Ant1	5200	9.64	1.97	11.61	≤24.00	16.35	≤23.00	PASS
	Ant2	5200	8.54	1.97	10.51	≤24.00	15.25	≤23.00	PASS
	total	5200	---	---	14.11	≤24.00	18.85	≤23.00	PASS
	Ant1	5240	9.29	1.97	11.26	≤24.00	16.00	≤23.00	PASS
	Ant2	5240	8.64	1.93	10.57	≤24.00	15.31	≤23.00	PASS
	total	5240	---	---	13.94	≤24.00	18.68	≤23.00	PASS
	Ant1	5260	9.10	2.05	11.15	≤24.00	15.89	≤24.00	PASS
	Ant2	5260	8.67	1.93	10.60	≤24.00	15.34	≤24.00	PASS
	total	5260	---	---	13.89	≤24.00	18.63	≤24.00	PASS
	Ant1	5280	8.94	2.05	10.99	≤24.00	15.73	≤24.00	PASS
	Ant2	5280	8.79	1.97	10.76	≤24.00	15.50	≤24.00	PASS
	total	5280	---	---	13.89	≤24.00	18.63	≤24.00	PASS
	Ant1	5320	8.17	1.97	10.14	≤24.00	14.88	≤24.00	PASS
	Ant2	5320	8.40	1.97	10.37	≤24.00	15.11	≤24.00	PASS
	total	5320	---	---	13.27	≤24.00	18.01	≤24.00	PASS
	Ant1	5500	7.89	1.93	9.82	≤24.00	14.56	≤24.00	PASS
	Ant2	5500	10.16	1.93	12.09	≤24.00	16.83	≤24.00	PASS
	total	5500	---	---	14.11	≤24.00	18.85	≤24.00	PASS
	Ant1	5580	8.43	1.93	10.36	≤24.00	15.10	≤24.00	PASS
	Ant2	5580	9.74	1.97	11.71	≤24.00	16.45	≤24.00	PASS
	total	5580	---	---	14.10	≤24.00	18.84	≤24.00	PASS
	Ant1	5700	8.26	1.97	10.23	≤24.00	14.97	≤24.00	PASS
	Ant2	5700	8.29	1.97	10.26	≤24.00	15.00	≤24.00	PASS
	total	5700	---	---	13.26	≤24.00	18.00	≤24.00	PASS
	Ant1	5745	8.96	1.97	10.93	≤30.00	15.67	≤36.00	PASS
Ant2	5745	8.32	1.97	10.29	≤30.00	15.03	≤36.00	PASS	

	total	5745	---	---	13.63	≤30.00	18.37	≤36.00	PASS
	Ant1	5785	9.12	1.93	11.05	≤30.00	15.79	≤36.00	PASS
	Ant2	5785	8.45	1.97	10.42	≤30.00	15.16	≤36.00	PASS
	total	5785	---	---	13.76	≤30.00	18.50	≤36.00	PASS
	Ant1	5825	8.76	1.97	10.73	≤30.00	15.47	≤36.00	PASS
	Ant2	5825	8.85	1.93	10.78	≤30.00	15.52	≤36.00	PASS
	total	5825	---	---	13.77	≤30.00	18.51	≤36.00	PASS
11AC40M IMO	Ant1	5190	7.52	3.19	10.71	≤24.00	15.45	≤23.00	PASS
	Ant2	5190	7.00	3.19	10.19	≤24.00	14.93	≤23.00	PASS
	total	5190	---	---	13.47	≤24.00	18.21	≤23.00	PASS
	Ant1	5230	7.47	3.19	10.66	≤24.00	15.40	≤23.00	PASS
	Ant2	5230	7.03	3.25	10.28	≤24.00	15.02	≤23.00	PASS
	total	5230	---	---	13.48	≤24.00	18.22	≤23.00	PASS
	Ant1	5270	7.64	3.25	10.89	≤24.00	15.63	≤24.00	PASS
	Ant2	5270	6.91	3.19	10.10	≤24.00	14.84	≤24.00	PASS
	total	5270	---	---	13.52	≤24.00	18.26	≤24.00	PASS
	Ant1	5310	7.00	3.25	10.25	≤24.00	14.99	≤24.00	PASS
	Ant2	5310	6.82	3.25	10.07	≤24.00	14.81	≤24.00	PASS
	total	5310	---	---	13.17	≤24.00	17.91	≤24.00	PASS
	Ant1	5510	6.17	3.19	9.36	≤24.00	14.10	≤24.00	PASS
	Ant2	5510	8.49	3.19	11.68	≤24.00	16.42	≤24.00	PASS
	total	5510	---	---	13.68	≤24.00	18.42	≤24.00	PASS
	Ant1	5550	6.84	3.19	10.03	≤24.00	14.77	≤24.00	PASS
	Ant2	5550	8.16	3.25	11.41	≤24.00	16.15	≤24.00	PASS
	total	5550	---	---	13.78	≤24.00	18.52	≤24.00	PASS
	Ant1	5670	7.53	3.19	10.72	≤24.00	15.46	≤24.00	PASS
	Ant2	5670	7.61	3.19	10.80	≤24.00	15.54	≤24.00	PASS
	total	5670	---	---	13.77	≤24.00	18.51	≤24.00	PASS
	Ant1	5755	7.77	3.19	10.96	≤30.00	15.70	≤36.00	PASS
	Ant2	5755	6.72	3.19	9.91	≤30.00	14.65	≤36.00	PASS
	total	5755	---	---	13.48	≤30.00	18.22	≤36.00	PASS
Ant1	5795	7.17	3.25	10.42	≤30.00	15.16	≤36.00	PASS	
Ant2	5795	7.06	3.19	10.25	≤30.00	14.99	≤36.00	PASS	
total	5795	---	---	13.35	≤30.00	18.09	≤36.00	PASS	
11AC80M IMO	Ant1	5210	5.79	4.85	10.64	≤24.00	15.38	≤23.00	PASS
	Ant2	5210	5.05	4.85	9.90	≤24.00	14.64	≤23.00	PASS
	total	5210	---	---	13.30	≤24.00	18.04	≤23.00	PASS
	Ant1	5290	5.01	4.69	9.70	≤24.00	14.44	≤24.00	PASS
	Ant2	5290	4.77	4.69	9.46	≤24.00	14.20	≤24.00	PASS
	total	5290	---	---	12.59	≤24.00	17.33	≤24.00	PASS
	Ant1	5530	4.40	4.69	9.09	≤24.00	13.83	≤24.00	PASS
	Ant2	5530	6.32	4.69	11.01	≤24.00	15.75	≤24.00	PASS
	total	5530	---	---	13.17	≤24.00	17.91	≤24.00	PASS
	Ant1	5610	4.58	4.69	9.27	≤24.00	14.01	≤24.00	PASS
	Ant2	5610	5.52	4.85	10.37	≤24.00	15.11	≤24.00	PASS
	total	5610	---	---	12.87	≤24.00	17.61	≤24.00	PASS
	Ant1	5775	5.07	4.77	9.84	≤30.00	14.58	≤36.00	PASS
	Ant2	5775	4.63	4.69	9.32	≤30.00	14.06	≤36.00	PASS
	total	5775	---	---	12.60	≤30.00	17.34	≤36.00	PASS
11AX20M IMO	Ant1	5180	9.17	2.30	11.47	≤24.00	16.21	≤23.00	PASS
	Ant2	5180	8.03	2.33	10.36	≤24.00	15.10	≤23.00	PASS
	total	5180	---	---	13.96	≤24.00	18.70	≤23.00	PASS
	Ant1	5200	9.40	2.30	11.70	≤24.00	16.44	≤23.00	PASS
	Ant2	5200	8.37	2.33	10.70	≤24.00	15.44	≤23.00	PASS
	total	5200	---	---	14.24	≤24.00	18.98	≤23.00	PASS
	Ant1	5240	8.94	2.33	11.27	≤24.00	16.01	≤23.00	PASS
	Ant2	5240	8.33	2.30	10.63	≤24.00	15.37	≤23.00	PASS
	total	5240	---	---	13.97	≤24.00	18.71	≤23.00	PASS
	Ant1	5260	8.53	2.25	10.78	≤24.00	15.52	≤24.00	PASS
Ant2	5260	8.37	2.33	10.70	≤24.00	15.44	≤24.00	PASS	

	total	5260	---	---	13.75	≤24.00	18.49	≤24.00	PASS
	Ant1	5280	7.93	2.25	10.18	≤24.00	14.92	≤24.00	PASS
	Ant2	5280	8.16	2.16	10.32	≤24.00	15.06	≤24.00	PASS
	total	5280	---	---	13.26	≤24.00	18.00	≤24.00	PASS
	Ant1	5320	7.83	2.25	10.08	≤24.00	14.82	≤24.00	PASS
	Ant2	5320	8.06	2.25	10.31	≤24.00	15.05	≤24.00	PASS
	total	5320	---	---	13.21	≤24.00	17.95	≤24.00	PASS
	Ant1	5500	6.34	2.19	8.53	≤24.00	13.27	≤24.00	PASS
	Ant2	5500	9.69	2.25	11.94	≤24.00	16.68	≤24.00	PASS
	total	5500	---	---	13.57	≤24.00	18.31	≤24.00	PASS
	Ant1	5580	6.78	2.33	9.11	≤24.00	13.85	≤24.00	PASS
	Ant2	5580	9.20	2.33	11.53	≤24.00	16.27	≤24.00	PASS
	total	5580	---	---	13.50	≤24.00	18.24	≤24.00	PASS
	Ant1	5700	8.60	2.30	10.90	≤24.00	15.64	≤24.00	PASS
	Ant2	5700	8.46	2.30	10.76	≤24.00	15.50	≤24.00	PASS
	total	5700	---	---	13.84	≤24.00	18.58	≤24.00	PASS
	Ant1	5745	9.28	2.33	11.61	≤30.00	16.35	≤36.00	PASS
	Ant2	5745	8.22	2.33	10.55	≤30.00	15.29	≤36.00	PASS
	total	5745	---	---	14.12	≤30.00	18.86	≤36.00	PASS
	Ant1	5785	8.96	2.30	11.26	≤30.00	16.00	≤36.00	PASS
	Ant2	5785	8.39	2.30	10.69	≤30.00	15.43	≤36.00	PASS
	total	5785	---	---	13.99	≤30.00	18.73	≤36.00	PASS
	Ant1	5825	8.79	2.30	11.09	≤30.00	15.83	≤36.00	PASS
	Ant2	5825	8.67	2.25	10.92	≤30.00	15.66	≤36.00	PASS
	total	5825	---	---	14.02	≤30.00	18.76	≤36.00	PASS
	Ant1	5190	8.31	3.40	11.71	≤24.00	16.45	≤23.00	PASS
	Ant2	5190	7.10	3.40	10.50	≤24.00	15.24	≤23.00	PASS
	total	5190	---	---	14.16	≤24.00	18.90	≤23.00	PASS
	Ant1	5230	7.80	3.46	11.26	≤24.00	16.00	≤23.00	PASS
	Ant2	5230	7.18	3.46	10.64	≤24.00	15.38	≤23.00	PASS
	total	5230	---	---	13.97	≤24.00	18.71	≤23.00	PASS
	Ant1	5270	7.42	3.46	10.88	≤24.00	15.62	≤24.00	PASS
	Ant2	5270	7.06	3.46	10.52	≤24.00	15.26	≤24.00	PASS
	total	5270	---	---	13.71	≤24.00	18.45	≤24.00	PASS
	Ant1	5310	6.50	3.40	9.90	≤24.00	14.64	≤24.00	PASS
	Ant2	5310	6.87	3.46	10.33	≤24.00	15.07	≤24.00	PASS
	total	5310	---	---	13.13	≤24.00	17.87	≤24.00	PASS
	Ant1	5510	6.29	3.76	10.05	≤24.00	14.79	≤24.00	PASS
	Ant2	5510	8.68	3.46	12.14	≤24.00	16.88	≤24.00	PASS
	total	5510	---	---	14.23	≤24.00	18.97	≤24.00	PASS
	Ant1	5550	6.77	3.46	10.23	≤24.00	14.97	≤24.00	PASS
	Ant2	5550	8.35	3.46	11.81	≤24.00	16.55	≤24.00	PASS
	total	5550	---	---	14.10	≤24.00	18.84	≤24.00	PASS
	Ant1	5670	7.75	3.76	11.51	≤24.00	16.25	≤24.00	PASS
	Ant2	5670	7.70	3.40	11.10	≤24.00	15.84	≤24.00	PASS
	total	5670	---	---	14.32	≤24.00	19.06	≤24.00	PASS
	Ant1	5755	7.93	3.46	11.39	≤30.00	16.13	≤36.00	PASS
	Ant2	5755	6.89	3.40	10.29	≤30.00	15.03	≤36.00	PASS
	total	5755	---	---	13.89	≤30.00	18.63	≤36.00	PASS
	Ant1	5795	7.63	3.46	11.09	≤30.00	15.83	≤36.00	PASS
	Ant2	5795	7.26	3.46	10.72	≤30.00	15.46	≤36.00	PASS
	total	5795	---	---	13.92	≤30.00	18.66	≤36.00	PASS
	Ant1	5210	7.65	3.44	11.09	≤24.00	15.83	≤23.00	PASS
	Ant2	5210	6.74	3.44	10.18	≤24.00	14.92	≤23.00	PASS
	total	5210	---	---	13.67	≤24.00	18.41	≤23.00	PASS
	Ant1	5290	6.90	4.85	11.75	≤24.00	16.49	≤24.00	PASS
	Ant2	5290	6.46	3.55	10.01	≤24.00	14.75	≤24.00	PASS
	total	5290	---	---	13.98	≤24.00	18.72	≤24.00	PASS
	Ant1	5530	6.10	3.55	9.65	≤24.00	14.39	≤24.00	PASS
	Ant2	5530	8.14	3.55	11.69	≤24.00	16.43	≤24.00	PASS



	total	5530	---	---	13.80	≤24.00	18.54	≤24.00	PASS
	Ant1	5610	6.52	3.55	10.07	≤24.00	14.81	≤24.00	PASS
	Ant2	5610	7.39	3.44	10.83	≤24.00	15.57	≤24.00	PASS
	total	5610	---	---	13.48	≤24.00	18.22	≤24.00	PASS
	Ant1	5775	7.36	3.65	11.01	≤30.00	15.75	≤36.00	PASS
	Ant2	5775	6.41	3.44	9.85	≤30.00	14.59	≤36.00	PASS
	total	5775	---	---	13.48	≤30.00	18.22	≤36.00	PASS

**For U-NII-2C straddle channel:**

Test Mode	Ant.	Freq. (MHz)	Channel Power (dBm)	DC Factor (dBm)	Result (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11A	Ant1	5720_UNII-2C	11.89	1.05	12.94	≤23.15	17.68	≤26.99	PASS
	Ant2	5720_UNII-2C	12.47	1.02	13.49	≤23.34	18.23	≤26.99	PASS
	Ant1	5720_UNII-3	3.96	1.05	5.01	≤30.00	9.75	---	PASS
	Ant2	5720_UNII-3	4.44	1.02	5.46	≤30.00	10.20	---	PASS
11N20MIMO	Ant1	5720_UNII-2C	7.45	1.91	9.36	≤23.16	14.10	≤26.99	PASS
	Ant2	5720_UNII-2C	7.39	1.91	9.30	≤22.89	14.04	≤26.99	PASS
	total	5720_UNII-2C	---	---	12.34	≤23.98	17.08	≤26.99	PASS
	Ant1	5720_UNII-3	-0.70	1.91	1.21	≤30.00	5.95	---	PASS
	Ant2	5720_UNII-3	-0.16	1.91	1.75	≤30.00	6.49	---	PASS
	total	5720_UNII-3	---	---	4.50	≤30.00	9.24	---	PASS
11N40MIMO	Ant1	5710_UNII-2C	6.68	3.19	9.87	≤23.98	14.61	≤26.99	PASS
	Ant2	5710_UNII-2C	7.74	3.19	10.93	≤23.98	15.67	≤26.99	PASS
	total	5710_UNII-2C	---	---	13.44	≤23.98	18.18	≤26.99	PASS
	Ant1	5710_UNII-3	-8.11	3.19	-4.92	≤30.00	-0.18	---	PASS
	Ant2	5710_UNII-3	-5.63	3.19	-2.44	≤30.00	2.30	---	PASS
	total	5710_UNII-3	---	---	-0.50	≤30.00	4.24	---	PASS
11AC20MIMO	Ant1	5720_UNII-2C	7.02	1.97	8.99	≤23.42	13.73	≤26.99	PASS
	Ant2	5720_UNII-2C	7.78	1.97	9.75	≤23.21	14.49	≤26.99	PASS
	total	5720_UNII-2C	---	---	12.40	≤23.98	17.14	≤26.99	PASS
	Ant1	5720_UNII-3	-1.60	1.97	0.37	≤30.00	5.11	---	PASS
	Ant2	5720_UNII-3	-0.47	1.97	1.50	≤30.00	6.24	---	PASS
	total	5720_UNII-3	---	---	3.98	≤30.00	8.72	---	PASS
11AC40MIMO	Ant1	5710_UNII-2C	5.45	3.19	8.64	≤23.98	13.38	≤26.99	PASS
	Ant2	5710_UNII-2C	6.91	3.19	10.10	≤23.98	14.84	≤26.99	PASS
	total	5710_UNII-2C	---	---	12.44	≤23.98	17.18	≤26.99	PASS
	Ant1	5710_UNII-3	-10.12	3.19	-6.93	≤30.00	-2.19	---	PASS
	Ant2	5710_UNII-3	-6.49	3.19	-3.30	≤30.00	1.44	---	PASS
	total	5710_UNII-3	---	---	-1.74	≤30.00	3.00	---	PASS
11AC80MIMO	Ant1	5690_UNII-2C	4.25	4.77	9.02	≤23.98	13.76	≤26.99	PASS
	Ant2	5690_UNII-2C	5.18	4.69	9.87	≤23.98	14.61	≤26.99	PASS
	total	5690_UNII-2C	---	---	12.48	≤23.98	17.22	≤26.99	PASS
	Ant1	5690_UNII-3	-15.13	4.77	-10.36	≤30.00	-5.62	---	PASS
	Ant2	5690_UNII-3	-14.67	4.69	-9.98	≤30.00	-5.24	---	PASS
	total	5690_UNII-3	---	---	-7.16	≤30.00	-2.42	---	PASS
11AX20MIMO	Ant1	5720_UNII-2C	6.21	3.01	9.22	≤22.95	13.96	≤26.99	PASS
	Ant2	5720_UNII-2C	6.94	3.01	9.95	≤22.92	14.69	≤26.99	PASS
	total	5720_UNII-2C	---	---	12.61	≤23.98	17.35	≤26.99	PASS
	Ant1	5720_UNII-3	-2.73	3.01	0.28	≤30.00	5.02	---	PASS
	Ant2	5720_UNII-3	-1.13	3.01	1.88	≤30.00	6.62	---	PASS
	total	5720_UNII-3	---	---	4.16	≤30.00	8.90	---	PASS
11AX40MIMO	Ant1	5710_UNII-2C	6.68	3.01	9.69	≤23.98	14.43	≤26.99	PASS
	Ant2	5710_UNII-2C	7.84	3.01	10.85	≤23.98	15.59	≤26.99	PASS
	total	5710_UNII-2C	---	---	13.32	≤23.98	18.06	≤26.99	PASS
	Ant1	5710_UNII-3	-7.27	3.01	-4.26	≤30.00	0.48	---	PASS
	Ant2	5710_UNII-3	-4.01	3.01	-1.00	≤30.00	3.74	---	PASS
	total	5710_UNII-3	---	---	0.68	≤30.00	5.42	---	PASS
11AX80MIMO	Ant1	5690_UNII-2C	5.45	3.65	9.10	≤23.98	13.84	≤26.99	PASS
	Ant2	5690_UNII-2C	6.81	3.55	10.36	≤23.98	15.10	≤26.99	PASS

	total	5690 UNII-2C	---	---	12.79	≤23.98	17.53	≤26.99	PASS
	Ant1	5690 UNII-3	-12.14	3.65	-8.49	≤30.00	-3.75	---	PASS
	Ant2	5690 UNII-3	-10.99	3.55	-7.44	≤30.00	-2.70	---	PASS
	total	5690 UNII-3	---	---	-4.92	≤30.00	-0.18	---	PASS

## 11. Power Spectral Density

### 11.1. Block Diagram of Test Setup

Same as section 8.1

### 11.2. Limits

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	<input type="checkbox"/> Outdoor Access Point: 17 dBm/MHz <input type="checkbox"/> Indoor Access Point: 17 dBm/MHz <input type="checkbox"/> Fixed Point-To-Point Access Points: 17 dBm/MHz <input checked="" type="checkbox"/> Client Devices: 11 dBm/MHz	5150-5250
	11 dBm/MHz	5250-5350 5470-5725
	30 dBm/500 kHz	5725-5850

ISED RSS-247 ISSUE 3		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.	5150-5250
	The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.	5250-5350 5470-5600 5650-5725
	30 dBm/500 kHz	5725-5850

Note: The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 11.3. Test Procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyzer and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

5725 MHz-5850 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Note:

1. For UNII-3, according to KdB publication 789033 D02 General U-NII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.

2. The value measured with RBW=1MHz is to be added with  $10\log(500\text{kHz}/1\text{MHz})$  which is - 3dB. For example, if the measured value is +30 dBm using RBW=500kHz (that is +30 dBm/500kHz), then the converted value will be +33 dBm/1MHz.

3. Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

## 11.4. Test Result

Test Mode	Ant.	Freq. (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	Gain (dBi)	EIRP PSD (dBm/MHz)	EIRP Limit (dBm/MHz)	Verdict
11A	Ant1	5180	4.57	≤11.00	4.74	9.31	≤10.00	PASS
	Ant2	5180	4.01	≤11.00	4.74	8.75	≤10.00	PASS
	Ant1	5200	4.88	≤11.00	4.74	9.62	≤10.00	PASS
	Ant2	5200	3.81	≤11.00	4.74	8.55	≤10.00	PASS
	Ant1	5240	4.61	≤11.00	4.74	9.35	≤10.00	PASS
	Ant2	5240	4.12	≤11.00	4.74	8.86	≤10.00	PASS
	Ant1	5260	4.92	≤11.00	4.74	9.66	≤11.00	PASS
	Ant2	5260	4.33	≤11.00	4.74	9.07	≤11.00	PASS
	Ant1	5280	4.09	≤11.00	4.74	8.83	≤11.00	PASS
	Ant2	5280	4.1	≤11.00	4.74	8.84	≤11.00	PASS
	Ant1	5320	4.08	≤11.00	4.74	8.82	≤11.00	PASS
	Ant2	5320	5.07	≤11.00	4.74	9.81	≤11.00	PASS
	Ant1	5500	3.97	≤11.00	4.74	8.71	≤11.00	PASS
	Ant2	5500	3.85	≤11.00	4.74	8.59	≤11.00	PASS
	Ant1	5580	5.21	≤11.00	4.74	9.95	≤11.00	PASS
	Ant2	5580	4.49	≤11.00	4.74	9.23	≤11.00	PASS
	Ant1	5700	4.55	≤11.00	4.74	9.29	≤11.00	PASS
	Ant2	5700	4.47	≤11.00	4.74	9.21	≤11.00	PASS
	Ant1	5745	2.43	≤30.00	4.74	7.17	≤30.00	PASS
	Ant2	5745	1.55	≤30.00	4.74	6.29	≤30.00	PASS
	Ant1	5785	1.66	≤30.00	4.74	6.4	≤30.00	PASS
	Ant2	5785	1.79	≤30.00	4.74	6.53	≤30.00	PASS
	Ant1	5825	1.79	≤30.00	4.74	6.53	≤30.00	PASS
	Ant2	5825	1.46	≤30.00	4.74	6.2	≤30.00	PASS
11N20MIMO	Ant1	5180	2.03	≤11.00	4.74	6.77	≤10.00	PASS
	Ant2	5180	0.75	≤11.00	4.74	5.49	≤10.00	PASS
	total	5180	4.45	≤11.00	4.74	9.19	≤10.00	PASS
	Ant1	5200	1.65	≤11.00	4.74	6.39	≤10.00	PASS
	Ant2	5200	1.22	≤11.00	4.74	5.96	≤10.00	PASS
	total	5200	4.45	≤11.00	4.74	9.19	≤10.00	PASS
	Ant1	5240	1.97	≤11.00	4.74	6.71	≤10.00	PASS
	Ant2	5240	1.47	≤11.00	4.74	6.21	≤10.00	PASS
	total	5240	4.74	≤11.00	4.74	9.48	≤10.00	PASS
	Ant1	5260	1.64	≤11.00	4.74	6.38	≤11.00	PASS
	Ant2	5260	1.88	≤11.00	4.74	6.62	≤11.00	PASS
	total	5260	4.77	≤11.00	4.74	9.51	≤11.00	PASS
	Ant1	5280	1.27	≤11.00	4.74	6.01	≤11.00	PASS
	Ant2	5280	2.09	≤11.00	4.74	6.83	≤11.00	PASS
	total	5280	4.71	≤11.00	4.74	9.45	≤11.00	PASS
	Ant1	5320	0.19	≤11.00	4.74	4.93	≤11.00	PASS
	Ant2	5320	1.02	≤11.00	4.74	5.76	≤11.00	PASS
	total	5320	3.64	≤11.00	4.74	8.38	≤11.00	PASS
	Ant1	5500	-0.38	≤11.00	4.74	4.36	≤11.00	PASS
	Ant2	5500	2.64	≤11.00	4.74	7.38	≤11.00	PASS
	total	5500	4.40	≤11.00	4.74	9.14	≤11.00	PASS
	Ant1	5580	-0.76	≤11.00	4.74	3.98	≤11.00	PASS
	Ant2	5580	2.68	≤11.00	4.74	7.42	≤11.00	PASS
	total	5580	4.30	≤11.00	4.74	9.04	≤11.00	PASS
	Ant1	5700	1.4	≤11.00	4.74	6.14	≤11.00	PASS
	Ant2	5700	1.34	≤11.00	4.74	6.08	≤11.00	PASS
	total	5700	4.38	≤11.00	4.74	9.12	≤11.00	PASS
	Ant1	5745	-0.41	≤30.00	4.74	4.33	≤30.00	PASS
	Ant2	5745	-1.23	≤30.00	4.74	3.51	≤30.00	PASS
	total	5745	2.21	≤30.00	4.74	6.95	≤30.00	PASS
Ant1	5785	-0.14	≤30.00	4.74	4.6	≤30.00	PASS	
Ant2	5785	-1.65	≤30.00	4.74	3.09	≤30.00	PASS	
total	5785	2.18	≤30.00	4.74	6.92	≤30.00	PASS	

	Ant1	5825	-2.14	≤30.00	4.74	2.6	≤30.00	PASS
	Ant2	5825	-2.09	≤30.00	4.74	2.65	≤30.00	PASS
	total	5825	0.90	≤30.00	4.74	5.64	≤30.00	PASS
11N40MIMO	Ant1	5190	-1.65	≤11.00	4.74	3.09	≤10.00	PASS
	Ant2	5190	-1.98	≤11.00	4.74	2.76	≤10.00	PASS
	total	5190	1.20	≤11.00	4.74	5.94	≤10.00	PASS
	Ant1	5230	-0.61	≤11.00	4.74	4.13	≤10.00	PASS
	Ant2	5230	0.32	≤11.00	4.74	5.06	≤10.00	PASS
	total	5230	2.89	≤11.00	4.74	7.63	≤10.00	PASS
	Ant1	5270	-0.63	≤11.00	4.74	4.11	≤11.00	PASS
	Ant2	5270	-0.42	≤11.00	4.74	4.32	≤11.00	PASS
	total	5270	2.49	≤11.00	4.74	7.23	≤11.00	PASS
	Ant1	5310	-2.15	≤11.00	4.74	2.59	≤11.00	PASS
	Ant2	5310	0.45	≤11.00	4.74	5.19	≤11.00	PASS
	total	5310	2.35	≤11.00	4.74	7.09	≤11.00	PASS
	Ant1	5510	-2.93	≤11.00	4.74	1.81	≤11.00	PASS
	Ant2	5510	0.09	≤11.00	4.74	4.83	≤11.00	PASS
	total	5510	1.85	≤11.00	4.74	6.59	≤11.00	PASS
	Ant1	5550	-1.44	≤11.00	4.74	3.3	≤11.00	PASS
	Ant2	5550	0.26	≤11.00	4.74	5	≤11.00	PASS
	total	5550	2.50	≤11.00	4.74	7.24	≤11.00	PASS
	Ant1	5670	-1.97	≤11.00	4.74	2.77	≤11.00	PASS
	Ant2	5670	-1.77	≤11.00	4.74	2.97	≤11.00	PASS
	total	5670	1.14	≤11.00	4.74	5.88	≤11.00	PASS
	Ant1	5755	-3.94	≤30.00	4.74	0.8	≤30.00	PASS
	Ant2	5755	-5.01	≤30.00	4.74	-0.27	≤30.00	PASS
	total	5755	-1.43	≤30.00	4.74	3.31	≤30.00	PASS
Ant1	5795	-3.39	≤30.00	4.74	1.35	≤30.00	PASS	
Ant2	5795	-3.24	≤30.00	4.74	1.5	≤30.00	PASS	
total	5795	-0.30	≤30.00	4.74	4.44	≤30.00	PASS	
11AC20MIMO	Ant1	5180	1.77	≤11.00	4.74	6.51	≤10.00	PASS
	Ant2	5180	0.4	≤11.00	4.74	5.14	≤10.00	PASS
	total	5180	4.15	≤11.00	4.74	8.89	≤10.00	PASS
	Ant1	5200	2.36	≤11.00	4.74	7.1	≤10.00	PASS
	Ant2	5200	1.29	≤11.00	4.74	6.03	≤10.00	PASS
	total	5200	4.87	≤11.00	4.74	9.61	≤10.00	PASS
	Ant1	5240	1.43	≤11.00	4.74	6.17	≤10.00	PASS
	Ant2	5240	1.16	≤11.00	4.74	5.9	≤10.00	PASS
	total	5240	4.31	≤11.00	4.74	9.05	≤10.00	PASS
	Ant1	5260	1.96	≤11.00	4.74	6.7	≤11.00	PASS
	Ant2	5260	1.2	≤11.00	4.74	5.94	≤11.00	PASS
	total	5260	4.61	≤11.00	4.74	9.35	≤11.00	PASS
	Ant1	5280	1.54	≤11.00	4.74	6.28	≤11.00	PASS
	Ant2	5280	1.54	≤11.00	4.74	6.28	≤11.00	PASS
	total	5280	4.55	≤11.00	4.74	9.29	≤11.00	PASS
	Ant1	5320	0.69	≤11.00	4.74	5.43	≤11.00	PASS
	Ant2	5320	1.6	≤11.00	4.74	6.34	≤11.00	PASS
	total	5320	4.18	≤11.00	4.74	8.92	≤11.00	PASS
	Ant1	5500	-0.35	≤11.00	4.74	4.39	≤11.00	PASS
	Ant2	5500	2.03	≤11.00	4.74	6.77	≤11.00	PASS
	total	5500	4.01	≤11.00	4.74	8.75	≤11.00	PASS
	Ant1	5580	1.29	≤11.00	4.74	6.03	≤11.00	PASS
	Ant2	5580	3.06	≤11.00	4.74	7.8	≤11.00	PASS
	total	5580	5.27	≤11.00	4.74	10.01	≤11.00	PASS
	Ant1	5700	0.93	≤11.00	4.74	5.67	≤11.00	PASS
	Ant2	5700	0.8	≤11.00	4.74	5.54	≤11.00	PASS
	total	5700	3.88	≤11.00	4.74	8.62	≤11.00	PASS
	Ant1	5745	-1.2	≤30.00	4.74	3.54	≤30.00	PASS
	Ant2	5745	-2.1	≤30.00	4.74	2.64	≤30.00	PASS
	total	5745	1.38	≤30.00	4.74	6.12	≤30.00	PASS

	Ant1	5785	-1.06	≤30.00	4.74	3.68	≤30.00	PASS
	Ant2	5785	-2.17	≤30.00	4.74	2.57	≤30.00	PASS
	total	5785	1.43	≤30.00	4.74	6.17	≤30.00	PASS
	Ant1	5825	-1	≤30.00	4.74	3.74	≤30.00	PASS
	Ant2	5825	-1.13	≤30.00	4.74	3.61	≤30.00	PASS
	total	5825	1.95	≤30.00	4.74	6.69	≤30.00	PASS
11AC40MIMO	Ant1	5190	-1.97	≤11.00	4.74	2.77	≤10.00	PASS
	Ant2	5190	-2.18	≤11.00	4.74	2.56	≤10.00	PASS
	total	5190	0.94	≤11.00	4.74	5.68	≤10.00	PASS
	Ant1	5230	-1.18	≤11.00	4.74	3.56	≤10.00	PASS
	Ant2	5230	-1.72	≤11.00	4.74	3.02	≤10.00	PASS
	total	5230	1.57	≤11.00	4.74	6.31	≤10.00	PASS
	Ant1	5270	-0.8	≤11.00	4.74	3.94	≤11.00	PASS
	Ant2	5270	-2	≤11.00	4.74	2.74	≤11.00	PASS
	total	5270	1.65	≤11.00	4.74	6.39	≤11.00	PASS
	Ant1	5310	-0.3	≤11.00	4.74	4.44	≤11.00	PASS
	Ant2	5310	-0.21	≤11.00	4.74	4.53	≤11.00	PASS
	total	5310	2.76	≤11.00	4.74	7.5	≤11.00	PASS
	Ant1	5510	-2.64	≤11.00	4.74	2.1	≤11.00	PASS
	Ant2	5510	-1.07	≤11.00	4.74	3.67	≤11.00	PASS
	total	5510	1.23	≤11.00	4.74	5.97	≤11.00	PASS
	Ant1	5550	-1.3	≤11.00	4.74	3.44	≤11.00	PASS
	Ant2	5550	-0.37	≤11.00	4.74	4.37	≤11.00	PASS
	total	5550	2.20	≤11.00	4.74	6.94	≤11.00	PASS
	Ant1	5670	-0.75	≤11.00	4.74	3.99	≤11.00	PASS
	Ant2	5670	-1.15	≤11.00	4.74	3.59	≤11.00	PASS
	total	5670	2.06	≤11.00	4.74	6.8	≤11.00	PASS
	Ant1	5755	-3.52	≤30.00	4.74	1.22	≤30.00	PASS
	Ant2	5755	-4.6	≤30.00	4.74	0.14	≤30.00	PASS
	total	5755	-1.02	≤30.00	4.74	3.72	≤30.00	PASS
Ant1	5795	-3.98	≤30.00	4.74	0.76	≤30.00	PASS	
Ant2	5795	-4.71	≤30.00	4.74	0.03	≤30.00	PASS	
total	5795	-1.32	≤30.00	4.74	3.42	≤30.00	PASS	
11AC80MIMO	Ant1	5210	-4.71	≤11.00	4.74	0.03	≤10.00	PASS
	Ant2	5210	-5.16	≤11.00	4.74	-0.42	≤10.00	PASS
	total	5210	-1.92	≤11.00	4.74	2.82	≤10.00	PASS
	Ant1	5290	-4.59	≤11.00	4.74	0.15	≤11.00	PASS
	Ant2	5290	-4.95	≤11.00	4.74	-0.21	≤11.00	PASS
	total	5290	-1.76	≤11.00	4.74	2.98	≤11.00	PASS
	Ant1	5530	-5	≤11.00	4.74	-0.26	≤11.00	PASS
	Ant2	5530	-4.42	≤11.00	4.74	0.32	≤11.00	PASS
	total	5530	-1.69	≤11.00	4.74	3.05	≤11.00	PASS
	Ant1	5610	-5.39	≤11.00	4.74	-0.65	≤11.00	PASS
	Ant2	5610	-4.93	≤11.00	4.74	-0.19	≤11.00	PASS
	total	5610	-2.14	≤11.00	4.74	2.6	≤11.00	PASS
	Ant1	5775	-6.56	≤30.00	4.74	-1.82	≤30.00	PASS
	Ant2	5775	-8.13	≤30.00	4.74	-3.39	≤30.00	PASS
	total	5775	-4.26	≤30.00	4.74	0.48	≤30.00	PASS
11AX20MIMO	Ant1	5180	1.43	≤11.00	4.74	6.17	≤10.00	PASS
	Ant2	5180	0.79	≤11.00	4.74	5.53	≤10.00	PASS
	total	5180	4.13	≤11.00	4.74	8.87	≤10.00	PASS
	Ant1	5200	2.15	≤11.00	4.74	6.89	≤10.00	PASS
	Ant2	5200	1.42	≤11.00	4.74	6.16	≤10.00	PASS
	total	5200	4.81	≤11.00	4.74	9.55	≤10.00	PASS
	Ant1	5240	0.86	≤11.00	4.74	5.6	≤10.00	PASS
	Ant2	5240	0.57	≤11.00	4.74	5.31	≤10.00	PASS
	total	5240	3.73	≤11.00	4.74	8.47	≤10.00	PASS
	Ant1	5260	0.92	≤11.00	4.74	5.66	≤11.00	PASS
	Ant2	5260	0.9	≤11.00	4.74	5.64	≤11.00	PASS
	total	5260	3.92	≤11.00	4.74	8.66	≤11.00	PASS

	Ant1	5280	0.56	≤11.00	4.74	5.3	≤11.00	PASS
	Ant2	5280	0.76	≤11.00	4.74	5.5	≤11.00	PASS
	total	5280	3.67	≤11.00	4.74	8.41	≤11.00	PASS
	Ant1	5320	0.35	≤11.00	4.74	5.09	≤11.00	PASS
	Ant2	5320	1.08	≤11.00	4.74	5.82	≤11.00	PASS
	total	5320	3.74	≤11.00	4.74	8.48	≤11.00	PASS
	Ant1	5500	-1.59	≤11.00	4.74	3.15	≤11.00	PASS
	Ant2	5500	1.66	≤11.00	4.74	6.4	≤11.00	PASS
	total	5500	3.34	≤11.00	4.74	8.08	≤11.00	PASS
	Ant1	5580	-0.59	≤11.00	4.74	4.15	≤11.00	PASS
	Ant2	5580	1.81	≤11.00	4.74	6.55	≤11.00	PASS
	total	5580	3.78	≤11.00	4.74	8.52	≤11.00	PASS
	Ant1	5700	0.94	≤11.00	4.74	5.68	≤11.00	PASS
	Ant2	5700	0.41	≤11.00	4.74	5.15	≤11.00	PASS
	total	5700	3.69	≤11.00	4.74	8.43	≤11.00	PASS
	Ant1	5745	-0.5	≤30.00	4.74	4.24	≤30.00	PASS
	Ant2	5745	-1.43	≤30.00	4.74	3.31	≤30.00	PASS
	total	5745	2.07	≤30.00	4.74	6.81	≤30.00	PASS
	Ant1	5785	-1.59	≤30.00	4.74	3.15	≤30.00	PASS
	Ant2	5785	-2.48	≤30.00	4.74	2.26	≤30.00	PASS
total	5785	1.00	≤30.00	4.74	5.74	≤30.00	PASS	
Ant1	5825	-0.92	≤30.00	4.74	3.82	≤30.00	PASS	
Ant2	5825	-2.1	≤30.00	4.74	2.64	≤30.00	PASS	
total	5825	1.54	≤30.00	4.74	6.28	≤30.00	PASS	
11AX40MIMO	Ant1	5190	-0.52	≤11.00	4.74	4.22	≤10.00	PASS
	Ant2	5190	-1.59	≤11.00	4.74	3.15	≤10.00	PASS
	total	5190	1.99	≤11.00	4.74	6.73	≤10.00	PASS
	Ant1	5230	-1.8	≤11.00	4.74	2.94	≤10.00	PASS
	Ant2	5230	-1.88	≤11.00	4.74	2.86	≤10.00	PASS
	total	5230	1.17	≤11.00	4.74	5.91	≤10.00	PASS
	Ant1	5270	-1.29	≤11.00	4.74	3.45	≤11.00	PASS
	Ant2	5270	-1.1	≤11.00	4.74	3.64	≤11.00	PASS
	total	5270	1.82	≤11.00	4.74	6.56	≤11.00	PASS
	Ant1	5310	-1.52	≤11.00	4.74	3.22	≤11.00	PASS
	Ant2	5310	-0.79	≤11.00	4.74	3.95	≤11.00	PASS
	total	5310	1.87	≤11.00	4.74	6.61	≤11.00	PASS
	Ant1	5510	-3.05	≤11.00	4.74	1.69	≤11.00	PASS
	Ant2	5510	0.36	≤11.00	4.74	5.1	≤11.00	PASS
	total	5510	1.99	≤11.00	4.74	6.73	≤11.00	PASS
	Ant1	5550	-2.77	≤11.00	4.74	1.97	≤11.00	PASS
	Ant2	5550	0.01	≤11.00	4.74	4.75	≤11.00	PASS
	total	5550	1.85	≤11.00	4.74	6.59	≤11.00	PASS
	Ant1	5670	-1.2	≤11.00	4.74	3.54	≤11.00	PASS
	Ant2	5670	-1.39	≤11.00	4.74	3.35	≤11.00	PASS
total	5670	1.72	≤11.00	4.74	6.46	≤11.00	PASS	
Ant1	5755	-3.76	≤30.00	4.74	0.98	≤30.00	PASS	
Ant2	5755	-4.33	≤30.00	4.74	0.41	≤30.00	PASS	
total	5755	-1.03	≤30.00	4.74	3.71	≤30.00	PASS	
Ant1	5795	-3.88	≤30.00	4.74	0.86	≤30.00	PASS	
Ant2	5795	-4.82	≤30.00	4.74	-0.08	≤30.00	PASS	
total	5795	-1.31	≤30.00	4.74	3.43	≤30.00	PASS	
11AX80MIMO	Ant1	5210	-3.22	≤11.00	4.74	1.52	≤10.00	PASS
	Ant2	5210	-4.77	≤11.00	4.74	-0.03	≤10.00	PASS
	total	5210	-0.92	≤11.00	4.74	3.82	≤10.00	PASS
	Ant1	5290	-3.44	≤11.00	4.74	1.3	≤11.00	PASS
	Ant2	5290	-4.6	≤11.00	4.74	0.14	≤11.00	PASS
	total	5290	-0.97	≤11.00	4.74	3.77	≤11.00	PASS
	Ant1	5530	-5.23	≤11.00	4.74	-0.49	≤11.00	PASS
	Ant2	5530	-4.26	≤11.00	4.74	0.48	≤11.00	PASS
total	5530	-1.71	≤11.00	4.74	3.03	≤11.00	PASS	



	Ant1	5610	-5.68	≤11.00	4.74	-0.94	≤11.00	PASS
	Ant2	5610	-4.99	≤11.00	4.74	-0.25	≤11.00	PASS
	total	5610	-2.31	≤11.00	4.74	2.43	≤11.00	PASS
	Ant1	5775	-7.51	≤30.00	4.74	-2.77	≤30.00	PASS
	Ant2	5775	-8.3	≤30.00	4.74	-3.56	≤30.00	PASS
	total	5775	-4.88	≤30.00	4.74	-0.14	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

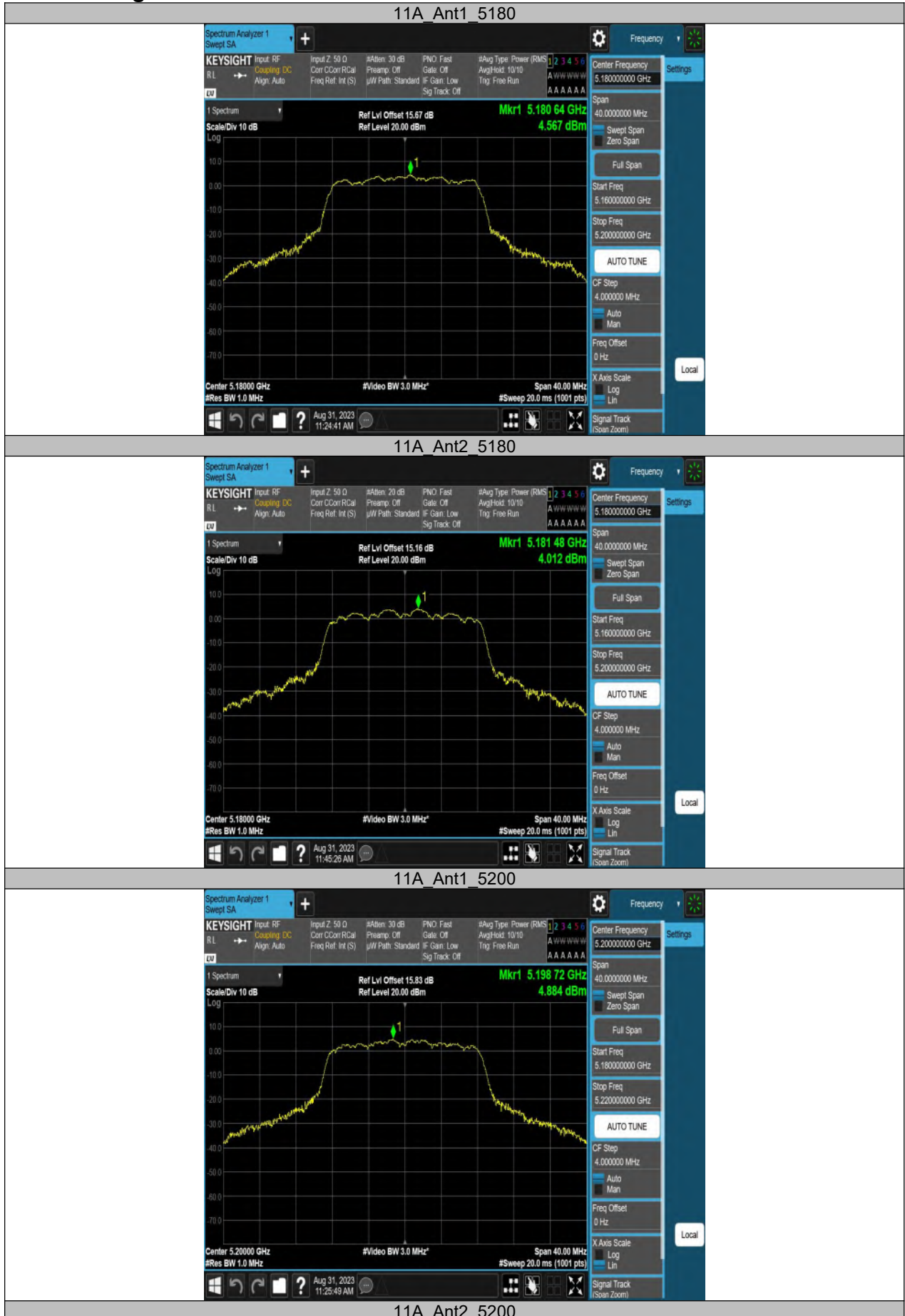
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

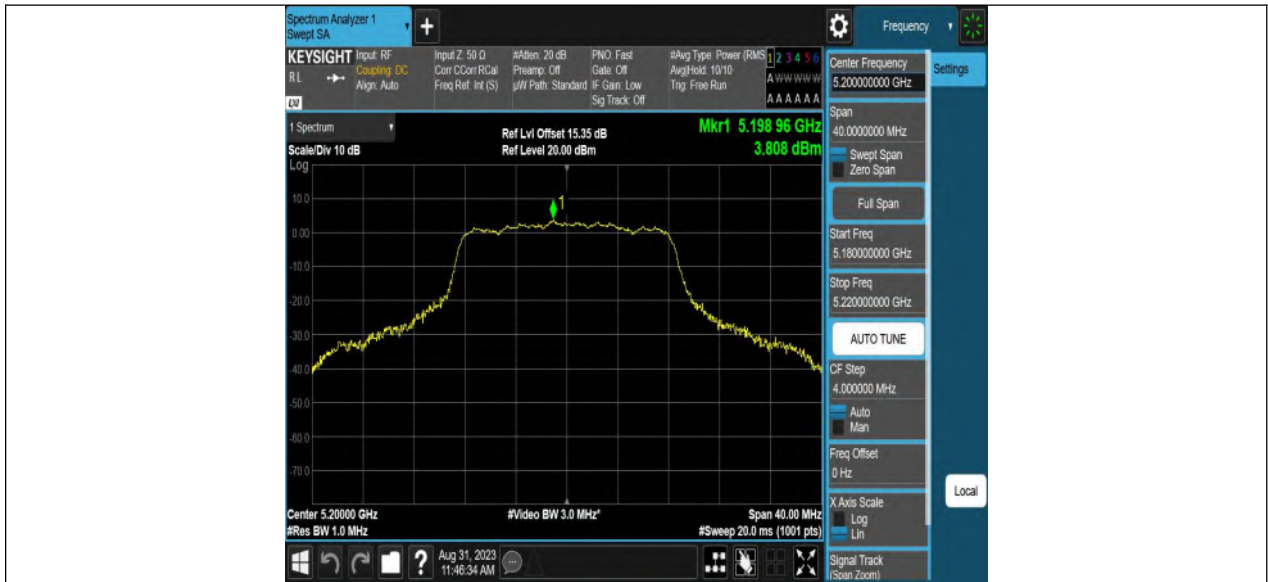
**For U-NII-2C straddle channel:**

Test Mode	Antenna	Frequency (MHz)	Result (dBm/MHz)	Limit(dBm/MHz)	Verdict
11A	Ant1	5720 UNII-2C	3.42	≤11.00	PASS
	Ant2	5720 UNII-2C	3.91	≤11.00	PASS
	Ant1	5720 UNII-3	-1.13	≤30.00	PASS
	Ant2	5720 UNII-3	-0.68	≤30.00	PASS
11N20MIMO	Ant1	5720 UNII-2C	-0.17	≤11.00	PASS
	Ant2	5720 UNII-2C	0.14	≤11.00	PASS
	total	5720 UNII-2C	3.00	≤11.00	PASS
	Ant1	5720 UNII-3	-4.43	≤30.00	PASS
	Ant2	5720 UNII-3	-3.47	≤30.00	PASS
	total	5720 UNII-3	-0.91	≤30.00	PASS
11N40MIMO	Ant1	5710 UNII-2C	-2.35	≤11.00	PASS
	Ant2	5710 UNII-2C	-0.79	≤11.00	PASS
	total	5710 UNII-2C	1.51	≤11.00	PASS
	Ant1	5710 UNII-3	-8.1	≤30.00	PASS
	Ant2	5710 UNII-3	-6.5	≤30.00	PASS
	total	5710 UNII-3	-4.22	≤30.00	PASS
11AC20MIMO	Ant1	5720 UNII-2C	0.6	≤11.00	PASS
	Ant2	5720 UNII-2C	1.05	≤11.00	PASS
	total	5720 UNII-2C	3.84	≤11.00	PASS
	Ant1	5720 UNII-3	-4.87	≤30.00	PASS
	Ant2	5720 UNII-3	-3.82	≤30.00	PASS
	total	5720 UNII-3	-1.30	≤30.00	PASS
11AC40MIMO	Ant1	5710 UNII-2C	-4.04	≤11.00	PASS
	Ant2	5710 UNII-2C	-2.49	≤11.00	PASS
	total	5710 UNII-2C	-0.19	≤11.00	PASS
	Ant1	5710 UNII-3	-10.26	≤30.00	PASS
	Ant2	5710 UNII-3	-5.96	≤30.00	PASS
	total	5710 UNII-3	-4.59	≤30.00	PASS
11AC80MIMO	Ant1	5690 UNII-2C	-5.61	≤11.00	PASS
	Ant2	5690 UNII-2C	-5.4	≤11.00	PASS
	total	5690 UNII-2C	-2.49	≤11.00	PASS
	Ant1	5690 UNII-3	-13.03	≤30.00	PASS
	Ant2	5690 UNII-3	-11.13	≤30.00	PASS
	total	5690 UNII-3	-8.97	≤30.00	PASS
11AX20MIMO	Ant1	5720 UNII-2C	-0.4	≤11.00	PASS
	Ant2	5720 UNII-2C	1.7	≤11.00	PASS
	total	5720 UNII-2C	3.79	≤11.00	PASS
	Ant1	5720 UNII-3	-3.66	≤30.00	PASS
	Ant2	5720 UNII-3	-2.43	≤30.00	PASS
	total	5720 UNII-3	0.01	≤30.00	PASS
11AX40MIMO	Ant1	5710 UNII-2C	-3.42	≤11.00	PASS
	Ant2	5710 UNII-2C	-1.5	≤11.00	PASS
	total	5710 UNII-2C	0.66	≤11.00	PASS
	Ant1	5710 UNII-3	-9.1	≤30.00	PASS
	Ant2	5710 UNII-3	-5.38	≤30.00	PASS
	total	5710 UNII-3	-3.84	≤30.00	PASS
11AX80MIMO	Ant1	5690 UNII-2C	-7.04	≤11.00	PASS
	Ant2	5690 UNII-2C	-5.8	≤11.00	PASS

	total	5690 UNII-2C	-3.37	$\leq 11.00$	PASS
	Ant1	5690 UNII-3	-12.78	$\leq 30.00$	PASS
	Ant2	5690 UNII-3	-11.33	$\leq 30.00$	PASS
	total	5690 UNII-3	-8.98	$\leq 30.00$	PASS

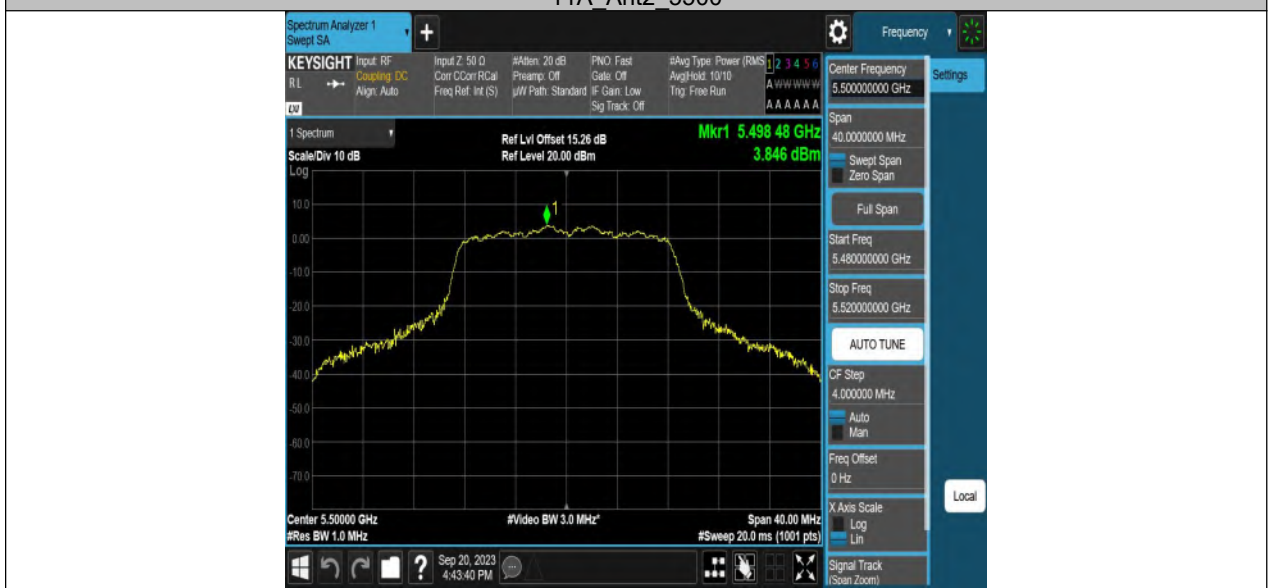
### 11.5. Original Test Data

















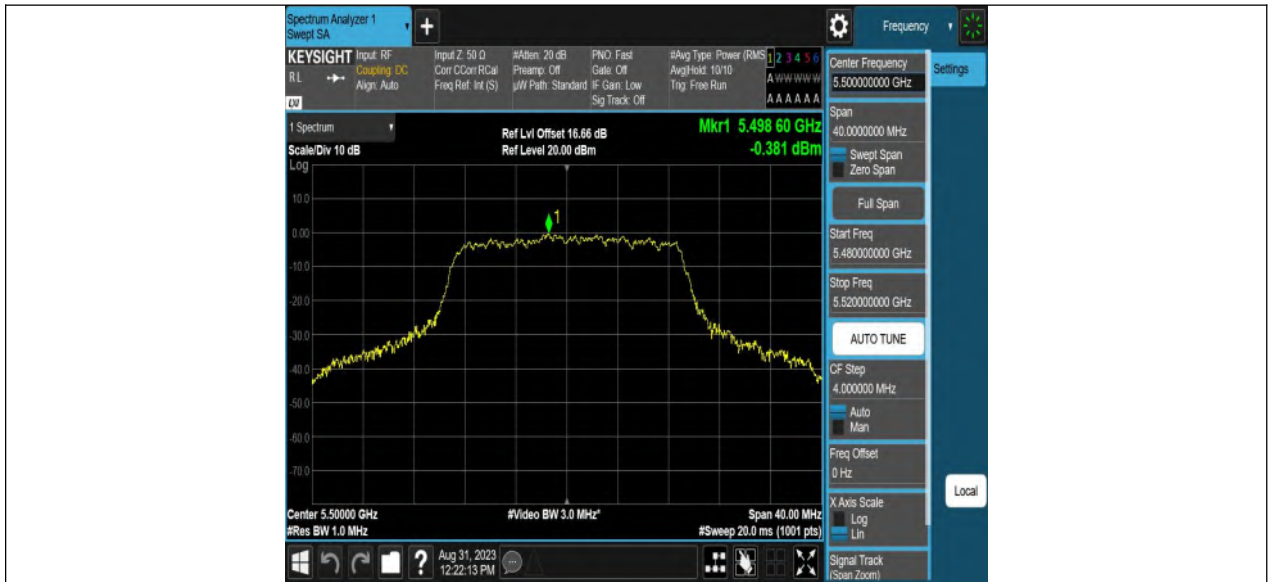




















11N20MIMO Ant1 5825



11N20MIMO Ant2 5825



11N40MIMO Ant1 5190

