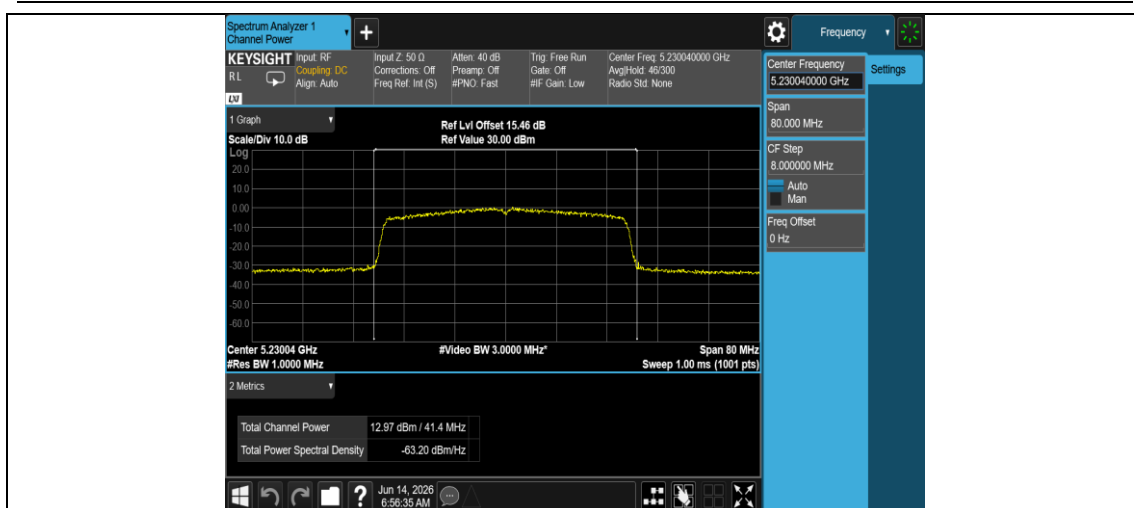
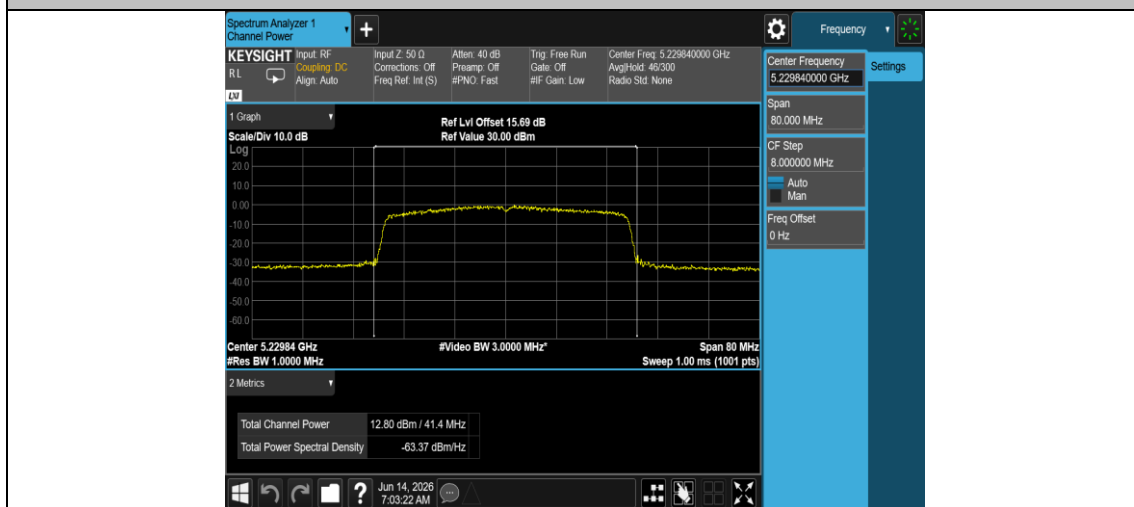
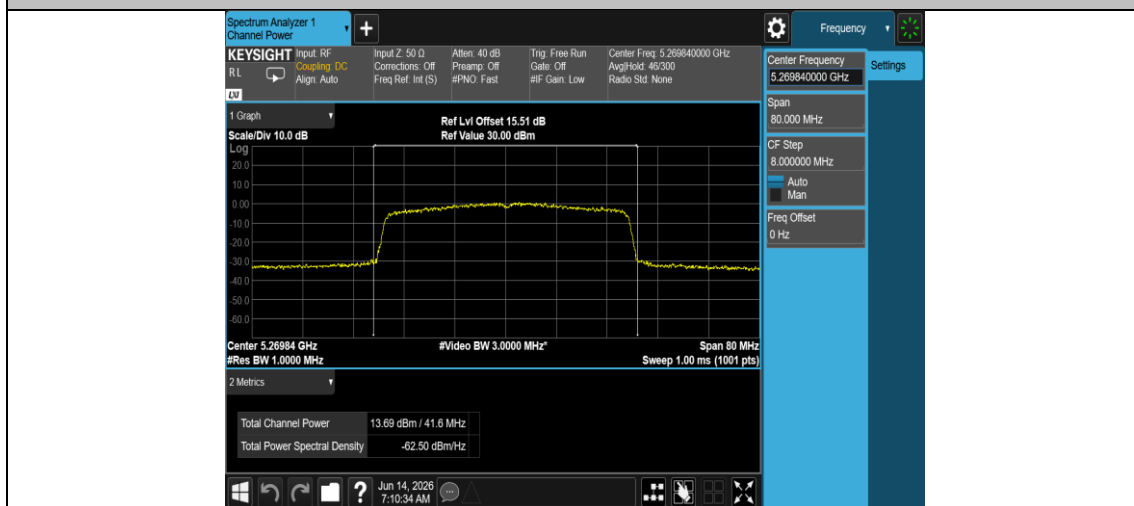





11AX40MIMO-Ant1-5230-PASS

11AX40MIMO-Ant2-5230-PASS

11AX40MIMO-Ant1-5270-PASS

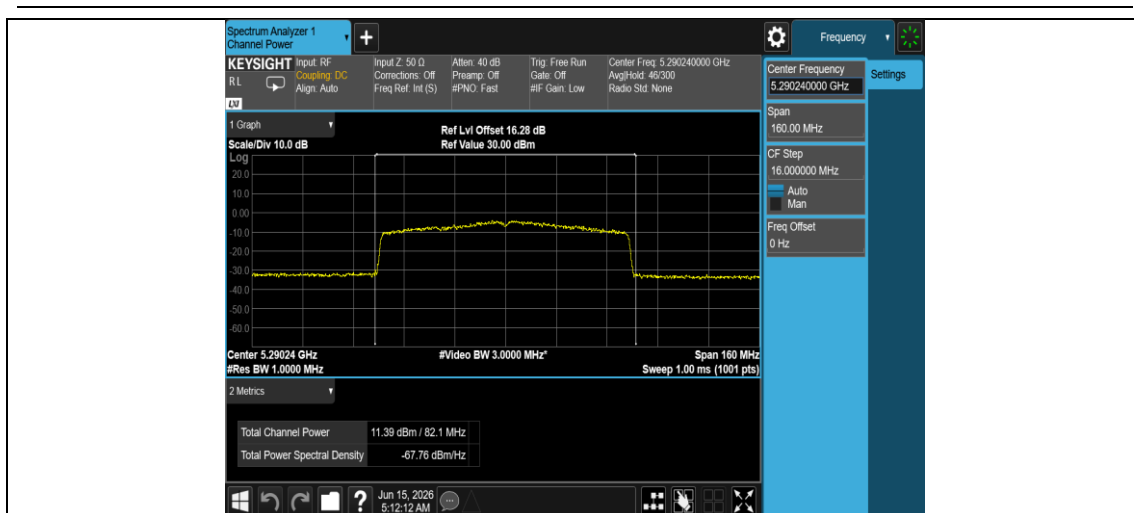
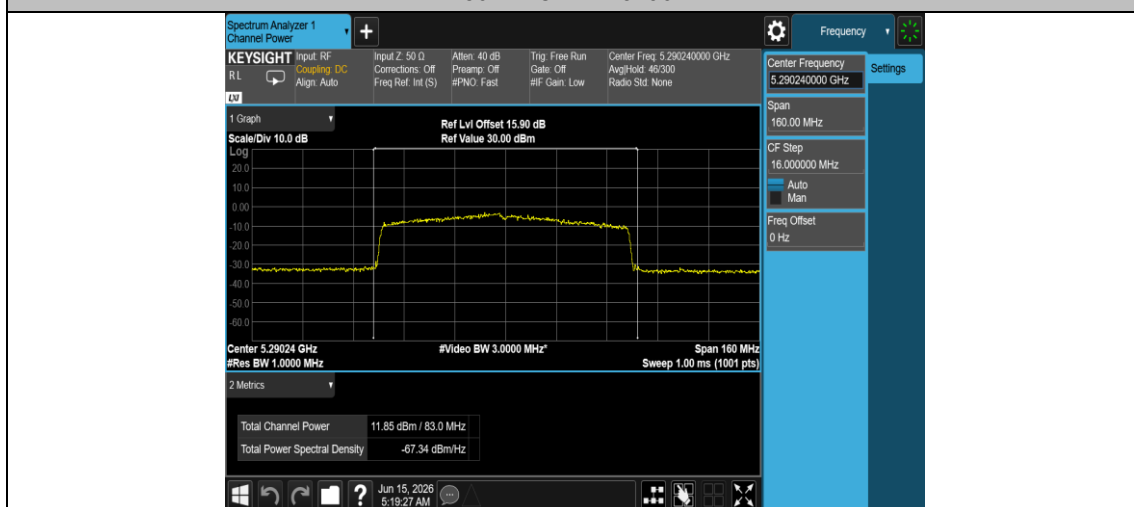
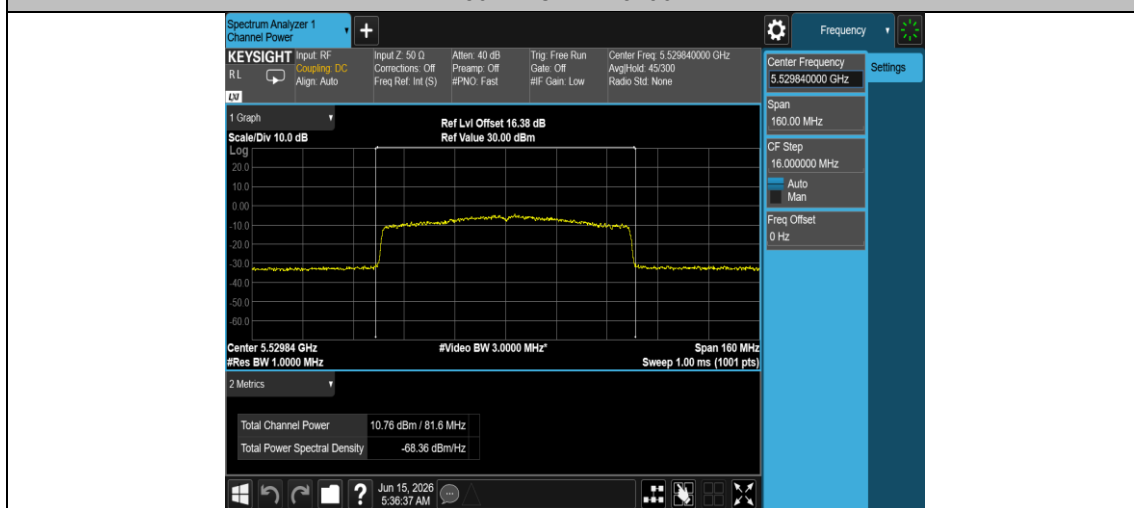


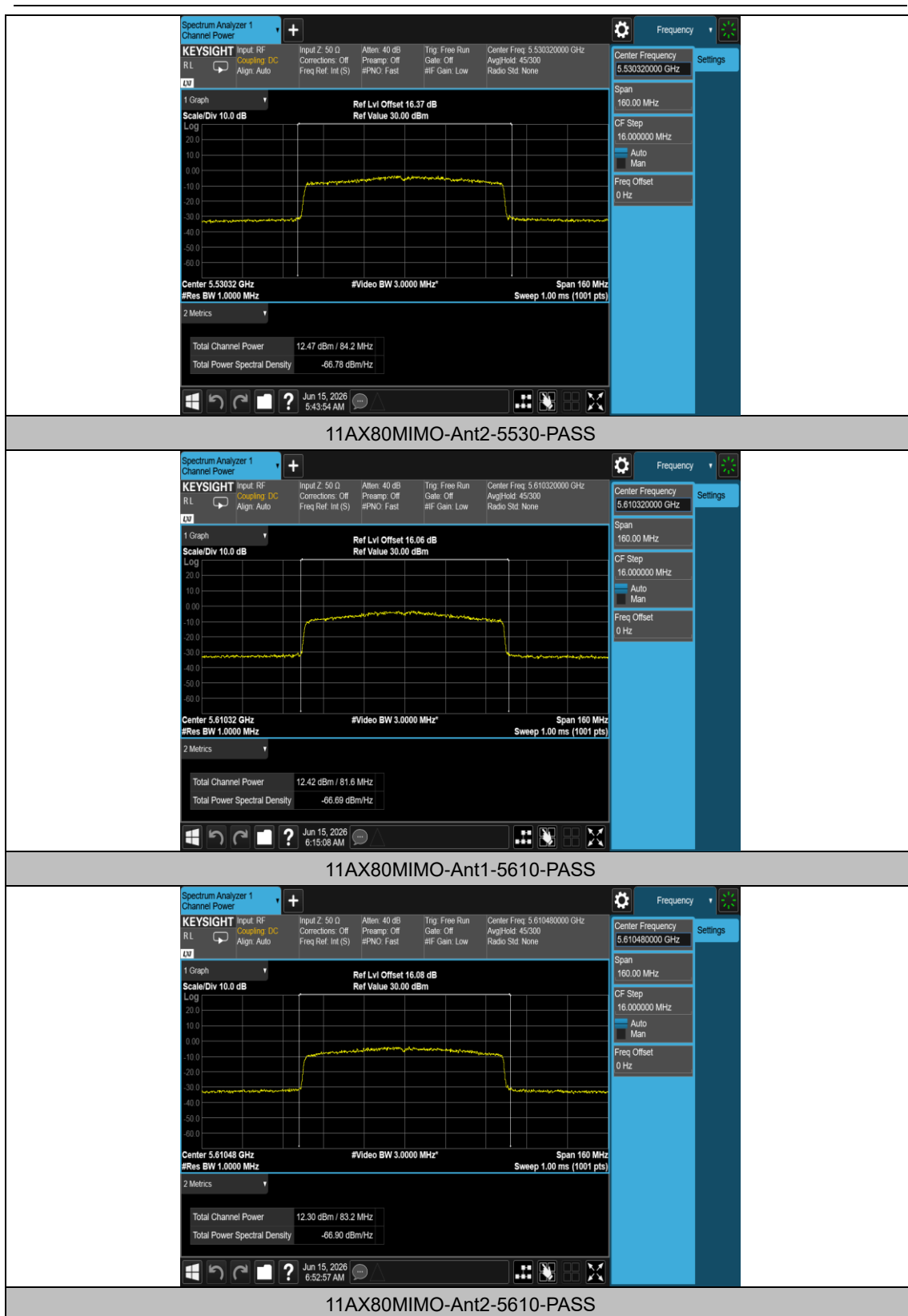


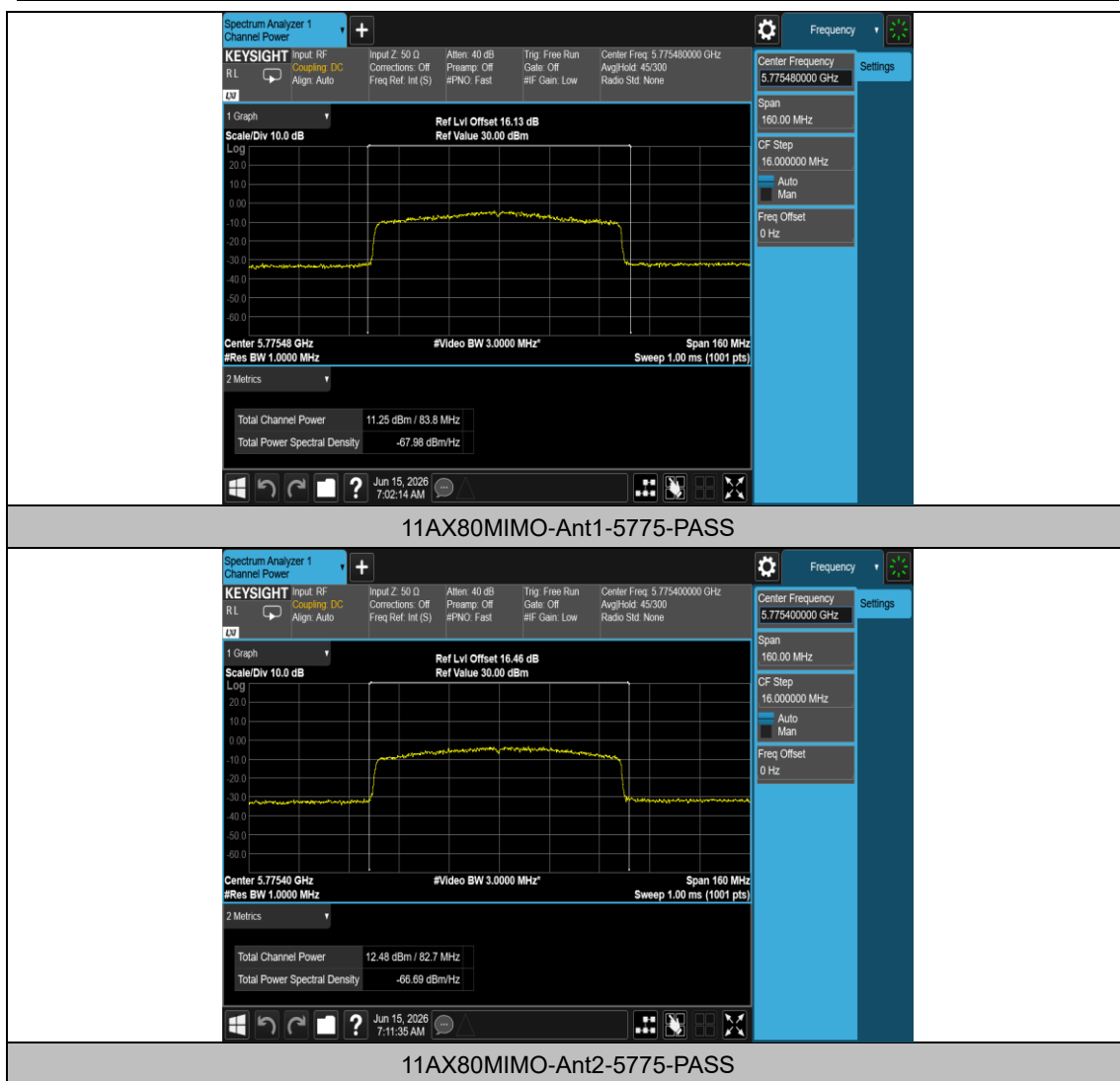







11AX80MIMO-Ant1-5290-PASS

11AX80MIMO-Ant2-5290-PASS

11AX80MIMO-Ant1-5530-PASS





Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Conduction [dBm/MHz]	EIRP [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.53	9.45	≤10.00	PASS
11A	Ant2	5180	5.52	9.44	≤10.00	PASS
11A	Ant2	5200	5.38	9.3	≤10.00	PASS
11A	Ant1	5200	4.17	8.09	≤10.00	PASS
11A	Ant1	5240	4.09	8.01	≤10.00	PASS
11A	Ant2	5240	3.38	7.3	≤10.00	PASS
11A	Ant1	5260	6.45	/	≤11.00	PASS
11A	Ant2	5260	7.55	/	≤11.00	PASS
11A	Ant1	5280	6.28	/	≤11.00	PASS
11A	Ant2	5280	6.56	/	≤11.00	PASS
11A	Ant1	5320	6.17	/	≤11.00	PASS
11A	Ant2	5320	6.35	/	≤11.00	PASS
11A	Ant1	5500	5.04	/	≤11.00	PASS
11A	Ant2	5500	6.94	/	≤11.00	PASS
11A	Ant1	5580	6.93	/	≤11.00	PASS
11A	Ant2	5580	7.72	/	≤11.00	PASS
11A	Ant1	5700	7.08	/	≤11.00	PASS
11A	Ant2	5700	7.35	/	≤11.00	PASS

TestMode	Antenna	Frequency[MHz]	Conduction [dBm/MHz]	EIRP [dBm/MHz]	Limit[dBm/MHz]	Verdict
11N20MIMO	Ant1	5180	1.97	/	≤9.08	PASS
11N20MIMO	Ant2	5180	1.34	/	≤9.08	PASS
11N20MIMO	total	5180	4.68	8.6	≤9.08	PASS
11N20MIMO	Ant1	5200	1.79	/	≤9.08	PASS
11N20MIMO	Ant2	5200	1.96	/	≤9.08	PASS
11N20MIMO	total	5200	4.89	8.81	≤9.08	PASS
11N20MIMO	Ant1	5240	1.47	/	≤9.08	PASS
11N20MIMO	Ant2	5240	1.08	/	≤9.08	PASS
11N20MIMO	total	5240	4.29	8.21	≤9.08	PASS
11N20MIMO	Ant1	5260	4.94	/	≤10.08	PASS
11N20MIMO	Ant2	5260	4.35	/	≤10.08	PASS
11N20MIMO	total	5260	7.67	/	≤10.08	PASS
11N20MIMO	Ant1	5280	4.26	/	≤10.08	PASS
11N20MIMO	Ant2	5280	4.23	/	≤10.08	PASS
11N20MIMO	total	5280	7.26	/	≤10.08	PASS
11N20MIMO	Ant1	5320	4.16	/	≤10.08	PASS
11N20MIMO	Ant2	5320	3.69	/	≤10.08	PASS
11N20MIMO	total	5320	6.94	/	≤10.08	PASS
11N20MIMO	Ant1	5500	3.49	/	≤10.08	PASS
11N20MIMO	Ant2	5500	5.01	/	≤10.08	PASS
11N20MIMO	total	5500	7.33	/	≤10.08	PASS
11N20MIMO	Ant1	5580	4.75	/	≤10.08	PASS
11N20MIMO	Ant2	5580	3.77	/	≤10.08	PASS
11N20MIMO	total	5580	7.30	/	≤10.08	PASS
11N20MIMO	Ant1	5700	4.08	/	≤10.08	PASS
11N20MIMO	Ant2	5700	3.59	/	≤10.08	PASS
11N20MIMO	total	5700	6.85	/	≤10.08	PASS
11N40MIMO	Ant1	5190	2.42	/	≤9.08	PASS
11N40MIMO	Ant2	5190	1.83	/	≤9.08	PASS
11N40MIMO	total	5190	5.15	9.07	≤9.08	PASS
11N40MIMO	Ant1	5230	1.29	/	≤9.08	PASS
11N40MIMO	Ant2	5230	0.29	/	≤9.08	PASS
11N40MIMO	total	5230	3.83	7.75	≤9.08	PASS
11N40MIMO	Ant1	5270	1.12	/	≤10.08	PASS
11N40MIMO	Ant2	5270	1.72	/	≤10.08	PASS
11N40MIMO	total	5270	4.44	/	≤10.08	PASS
11N40MIMO	Ant1	5310	1.08	/	≤10.08	PASS
11N40MIMO	Ant2	5310	1.64	/	≤10.08	PASS
11N40MIMO	total	5310	4.38	/	≤10.08	PASS
11N40MIMO	Ant1	5510	-0.13	/	≤10.08	PASS
11N40MIMO	Ant2	5510	2.34	/	≤10.08	PASS

11N40MIMO	total	5510	4.29	/	≤10.08	PASS
11N40MIMO	Ant1	5550	0.51	/	≤10.08	PASS
11N40MIMO	Ant2	5550	2.21	/	≤10.08	PASS
11N40MIMO	total	5550	4.45	/	≤10.08	PASS
11N40MIMO	Ant1	5670	-0.22	/	≤10.08	PASS
11N40MIMO	Ant2	5670	1.26	/	≤10.08	PASS
11N40MIMO	total	5670	3.59	/	≤10.08	PASS
11AC20MIMO	Ant1	5180	1.95	/	≤9.08	PASS
11AC20MIMO	Ant2	5180	2.07	/	≤9.08	PASS
11AC20MIMO	total	5180	5.02	8.94	≤9.08	PASS
11AC20MIMO	Ant1	5200	1.21	/	≤9.08	PASS
11AC20MIMO	Ant2	5200	1.21	/	≤9.08	PASS
11AC20MIMO	total	5200	4.22	8.14	≤9.08	PASS
11AC20MIMO	Ant1	5240	1.00	/	≤9.08	PASS
11AC20MIMO	Ant2	5240	1.92	/	≤9.08	PASS
11AC20MIMO	total	5240	4.49	8.41	≤9.08	PASS
11AC20MIMO	Ant1	5260	3.76	/	≤10.08	PASS
11AC20MIMO	Ant2	5260	4.21	/	≤10.08	PASS
11AC20MIMO	total	5260	7.00	/	≤10.08	PASS
11AC20MIMO	Ant1	5280	3.55	/	≤10.08	PASS
11AC20MIMO	Ant2	5280	3.46	/	≤10.08	PASS
11AC20MIMO	total	5280	6.52	/	≤10.08	PASS
11AC20MIMO	Ant1	5320	3.82	/	≤10.08	PASS
11AC20MIMO	Ant2	5320	3.99	/	≤10.08	PASS
11AC20MIMO	total	5320	6.92	/	≤10.08	PASS
11AC20MIMO	Ant1	5500	2.43	/	≤10.08	PASS
11AC20MIMO	Ant2	5500	4.15	/	≤10.08	PASS
11AC20MIMO	total	5500	6.38	/	≤10.08	PASS
11AC20MIMO	Ant1	5580	4.40	/	≤10.08	PASS
11AC20MIMO	Ant2	5580	2.14	/	≤10.08	PASS
11AC20MIMO	total	5580	6.43	/	≤10.08	PASS
11AC20MIMO	Ant1	5700	3.98	/	≤10.08	PASS
11AC20MIMO	Ant2	5700	4.20	/	≤10.08	PASS
11AC20MIMO	total	5700	7.10	/	≤10.08	PASS
11AC40MIMO	Ant1	5190	-0.10	/	≤9.08	PASS
11AC40MIMO	Ant2	5190	0.97	/	≤9.08	PASS
11AC40MIMO	total	5190	3.48	7.4	≤9.08	PASS
11AC40MIMO	Ant1	5230	2.07	/	≤9.08	PASS
11AC40MIMO	Ant2	5230	0.31	/	≤9.08	PASS
11AC40MIMO	total	5230	4.29	8.21	≤9.08	PASS
11AC40MIMO	Ant1	5270	1.07	/	≤10.08	PASS
11AC40MIMO	Ant2	5270	2.27	/	≤10.08	PASS
11AC40MIMO	total	5270	4.72	/	≤10.08	PASS

11AC40MIMO	Ant1	5310	1.65	/	≤10.08	PASS
11AC40MIMO	Ant2	5310	1.56	/	≤10.08	PASS
11AC40MIMO	total	5310	4.62	/	≤10.08	PASS
11AC40MIMO	Ant1	5510	0.40	/	≤10.08	PASS
11AC40MIMO	Ant2	5510	1.96	/	≤10.08	PASS
11AC40MIMO	total	5510	4.26	/	≤10.08	PASS
11AC40MIMO	Ant1	5550	-0.57	/	≤10.08	PASS
11AC40MIMO	Ant2	5550	1.52	/	≤10.08	PASS
11AC40MIMO	total	5550	3.61	/	≤10.08	PASS
11AC40MIMO	Ant1	5670	1.20	/	≤10.08	PASS
11AC40MIMO	Ant2	5670	1.13	/	≤10.08	PASS
11AC40MIMO	total	5670	4.18	/	≤10.08	PASS
11AC80MIMO	Ant1	5210	-4.36	/	≤9.08	PASS
11AC80MIMO	Ant2	5210	-3.22	/	≤9.08	PASS
11AC80MIMO	total	5210	-0.74	3.18	≤9.08	PASS
11AC80MIMO	Ant1	5290	-5.06	/	≤10.08	PASS
11AC80MIMO	Ant2	5290	-3.79	/	≤10.08	PASS
11AC80MIMO	total	5290	-1.37	/	≤10.08	PASS
11AC80MIMO	Ant1	5530	-4.29	/	≤10.08	PASS
11AC80MIMO	Ant2	5530	-2.78	/	≤10.08	PASS
11AC80MIMO	total	5530	-0.46	/	≤10.08	PASS
11AC80MIMO	Ant1	5610	-3.72	/	≤10.08	PASS
11AC80MIMO	Ant2	5610	-2.70	/	≤10.08	PASS
11AC80MIMO	total	5610	-0.17	/	≤10.08	PASS
11AX20MIMO	Ant1	5180	1.35	/	≤9.08	PASS
11AX20MIMO	Ant2	5180	1.24	/	≤9.08	PASS
11AX20MIMO	total	5180	4.31	8.23	≤9.08	PASS
11AX20MIMO	Ant1	5200	1.27	/	≤9.08	PASS
11AX20MIMO	Ant2	5200	1.22	/	≤9.08	PASS
11AX20MIMO	total	5200	4.26	8.18	≤9.08	PASS
11AX20MIMO	Ant1	5240	1.41	/	≤9.08	PASS
11AX20MIMO	Ant2	5240	1.25	/	≤9.08	PASS
11AX20MIMO	total	5240	4.34	8.26	≤9.08	PASS
11AX20MIMO	Ant1	5260	3.32	/	≤10.08	PASS
11AX20MIMO	Ant2	5260	6.23	/	≤10.08	PASS
11AX20MIMO	total	5260	8.02	/	≤10.08	PASS
11AX20MIMO	Ant1	5280	5.27	/	≤10.08	PASS
11AX20MIMO	Ant2	5280	5.61	/	≤10.08	PASS
11AX20MIMO	total	5280	8.45	/	≤10.08	PASS
11AX20MIMO	Ant1	5320	3.91	/	≤10.08	PASS
11AX20MIMO	Ant2	5320	4.91	/	≤10.08	PASS
11AX20MIMO	total	5320	7.45	/	≤10.08	PASS
11AX20MIMO	Ant1	5500	2.92	/	≤10.08	PASS

11AX20MIMO	Ant2	5500	4.85	/	≤10.08	PASS
11AX20MIMO	total	5500	7.00	/	≤10.08	PASS
11AX20MIMO	Ant1	5580	4.61	/	≤10.08	PASS
11AX20MIMO	Ant2	5580	5.13	/	≤10.08	PASS
11AX20MIMO	total	5580	7.89	/	≤10.08	PASS
11AX20MIMO	Ant1	5700	5.28	/	≤10.08	PASS
11AX20MIMO	Ant2	5700	5.68	/	≤10.08	PASS
11AX20MIMO	total	5700	8.49	/	≤10.08	PASS
11AX40MIMO	Ant1	5190	2.32	/	≤9.08	PASS
11AX40MIMO	Ant2	5190	1.46	/	≤9.08	PASS
11AX40MIMO	total	5190	4.92	8.84	≤9.08	PASS
11AX40MIMO	Ant1	5230	1.69	/	≤9.08	PASS
11AX40MIMO	Ant2	5230	0.44	/	≤9.08	PASS
11AX40MIMO	total	5230	4.12	8.04	≤9.08	PASS
11AX40MIMO	Ant1	5270	1.63	/	≤10.08	PASS
11AX40MIMO	Ant2	5270	0.20	/	≤10.08	PASS
11AX40MIMO	total	5270	3.98	/	≤10.08	PASS
11AX40MIMO	Ant1	5310	-0.11	/	≤10.08	PASS
11AX40MIMO	Ant2	5310	-0.19	/	≤10.08	PASS
11AX40MIMO	total	5310	2.86	/	≤10.08	PASS
11AX40MIMO	Ant1	5510	-0.55	/	≤10.08	PASS
11AX40MIMO	Ant2	5510	1.59	/	≤10.08	PASS
11AX40MIMO	total	5510	3.66	/	≤10.08	PASS
11AX40MIMO	Ant1	5550	-0.34	/	≤10.08	PASS
11AX40MIMO	Ant2	5550	1.64	/	≤10.08	PASS
11AX40MIMO	total	5550	3.77	/	≤10.08	PASS
11AX40MIMO	Ant1	5670	1.30	/	≤10.08	PASS
11AX40MIMO	Ant2	5670	2.18	/	≤10.08	PASS
11AX40MIMO	total	5670	4.77	/	≤10.08	PASS
11AX80MIMO	Ant1	5210	-3.66	/	≤9.08	PASS
11AX80MIMO	Ant2	5210	-2.69	/	≤9.08	PASS
11AX80MIMO	total	5210	-0.14	3.78	≤9.08	PASS
11AX80MIMO	Ant1	5290	-2.03	/	≤10.08	PASS
11AX80MIMO	Ant2	5290	-3.21	/	≤10.08	PASS
11AX80MIMO	total	5290	0.43	/	≤10.08	PASS
11AX80MIMO	Ant1	5530	-4.03	/	≤10.08	PASS
11AX80MIMO	Ant2	5530	-2.08	/	≤10.08	PASS
11AX80MIMO	total	5530	0.06	/	≤10.08	PASS
11AX80MIMO	Ant1	5610	-1.96	/	≤10.08	PASS
11AX80MIMO	Ant2	5610	-2.00	/	≤10.08	PASS
11AX80MIMO	total	5610	1.03	/	≤10.08	PASS

TestMode	Antenna	Frequency[MHz]	Conduction [dBm/510KHz]	Limit[dBm/500KHz]	Verdict
11A	Ant1	5745	1.61	≤30.00	PASS
11A	Ant2	5745	2.38	≤30.00	PASS
11A	Ant1	5785	2.69	≤30.00	PASS
11A	Ant2	5785	3.58	≤30.00	PASS
11A	Ant1	5825	1.94	≤30.00	PASS
11A	Ant2	5825	3.91	≤30.00	PASS

TestMode	Antenna	Frequency[MHz]	Conduction [dBm/510KHz]	Limit[dBm/500KHz]	Verdict
11N20MIMO	Ant1	5745	1.08	≤29.08	PASS
11N20MIMO	Ant2	5745	1.32	≤29.08	PASS
11N20MIMO	total	5745	4.21	≤29.08	PASS
11N20MIMO	Ant1	5785	1.50	≤29.08	PASS
11N20MIMO	Ant2	5785	2.45	≤29.08	PASS
11N20MIMO	total	5785	5.01	≤29.08	PASS
11N20MIMO	Ant1	5825	1.13	≤29.08	PASS
11N20MIMO	Ant2	5825	3.21	≤29.08	PASS
11N20MIMO	total	5825	5.30	≤29.08	PASS
11N40MIMO	Ant1	5755	-2.44	≤29.08	PASS
11N40MIMO	Ant2	5755	-1.14	≤29.08	PASS
11N40MIMO	total	5755	1.27	≤29.08	PASS
11N40MIMO	Ant1	5795	-2.67	≤29.08	PASS
11N40MIMO	Ant2	5795	0.03	≤29.08	PASS
11N40MIMO	total	5795	1.90	≤29.08	PASS
11AC20MIMO	Ant1	5745	-2.45	≤29.08	PASS
11AC20MIMO	Ant2	5745	-0.72	≤29.08	PASS
11AC20MIMO	total	5745	1.51	≤29.08	PASS
11AC20MIMO	Ant1	5785	-2.15	≤29.08	PASS
11AC20MIMO	Ant2	5785	-0.51	≤29.08	PASS
11AC20MIMO	total	5785	1.76	≤29.08	PASS
11AC20MIMO	Ant1	5825	-2.08	≤29.08	PASS
11AC20MIMO	Ant2	5825	0.42	≤29.08	PASS
11AC20MIMO	total	5825	2.36	≤29.08	PASS
11AC40MIMO	Ant1	5755	-2.02	≤29.08	PASS
11AC40MIMO	Ant2	5755	-0.22	≤29.08	PASS
11AC40MIMO	total	5755	1.98	≤29.08	PASS
11AC40MIMO	Ant1	5795	-1.93	≤29.08	PASS
11AC40MIMO	Ant2	5795	0.33	≤29.08	PASS
11AC40MIMO	total	5795	2.36	≤29.08	PASS
11AC80MIMO	Ant1	5775	-6.80	≤29.08	PASS
11AC80MIMO	Ant2	5775	-5.31	≤29.08	PASS
11AC80MIMO	total	5775	-2.98	≤29.08	PASS
11AX20MIMO	Ant1	5745	-0.30	≤29.08	PASS
11AX20MIMO	Ant2	5745	2.07	≤29.08	PASS
11AX20MIMO	total	5745	4.06	≤29.08	PASS
11AX20MIMO	Ant1	5785	0.46	≤29.08	PASS
11AX20MIMO	Ant2	5785	4.04	≤29.08	PASS
11AX20MIMO	total	5785	5.62	≤29.08	PASS
11AX20MIMO	Ant1	5825	0.48	≤29.08	PASS
11AX20MIMO	Ant2	5825	3.07	≤29.08	PASS

11AX20MIMO	total	5825	4.98	≤ 29.08	PASS
11AX40MIMO	Ant1	5755	-3.39	≤ 29.08	PASS
11AX40MIMO	Ant2	5755	-1.91	≤ 29.08	PASS
11AX40MIMO	total	5755	0.42	≤ 29.08	PASS
11AX40MIMO	Ant1	5795	-4.41	≤ 29.08	PASS
11AX40MIMO	Ant2	5795	-2.10	≤ 29.08	PASS
11AX40MIMO	total	5795	-0.09	≤ 29.08	PASS
11AX80MIMO	Ant1	5775	-6.65	≤ 29.08	PASS
11AX80MIMO	Ant2	5775	-4.80	≤ 29.08	PASS
11AX80MIMO	total	5775	-2.62	≤ 29.08	PASS

Note:

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

EIRP=Conduction+ Antenna gain

Antenna gain: 3.91 dBi

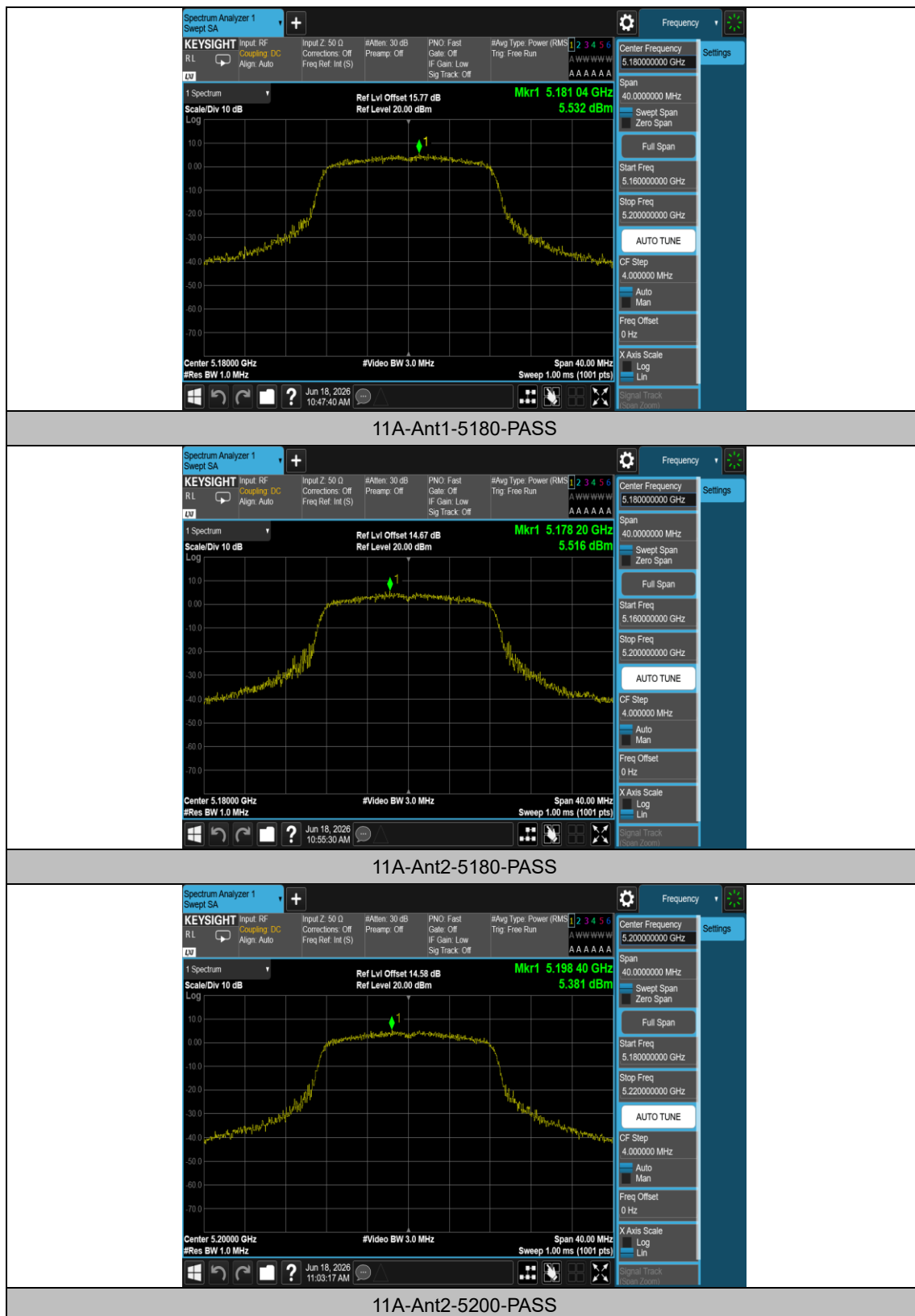
Directional gain=[GainANT + 10 log(NANT) dBi] =6.92dbi<6dbi

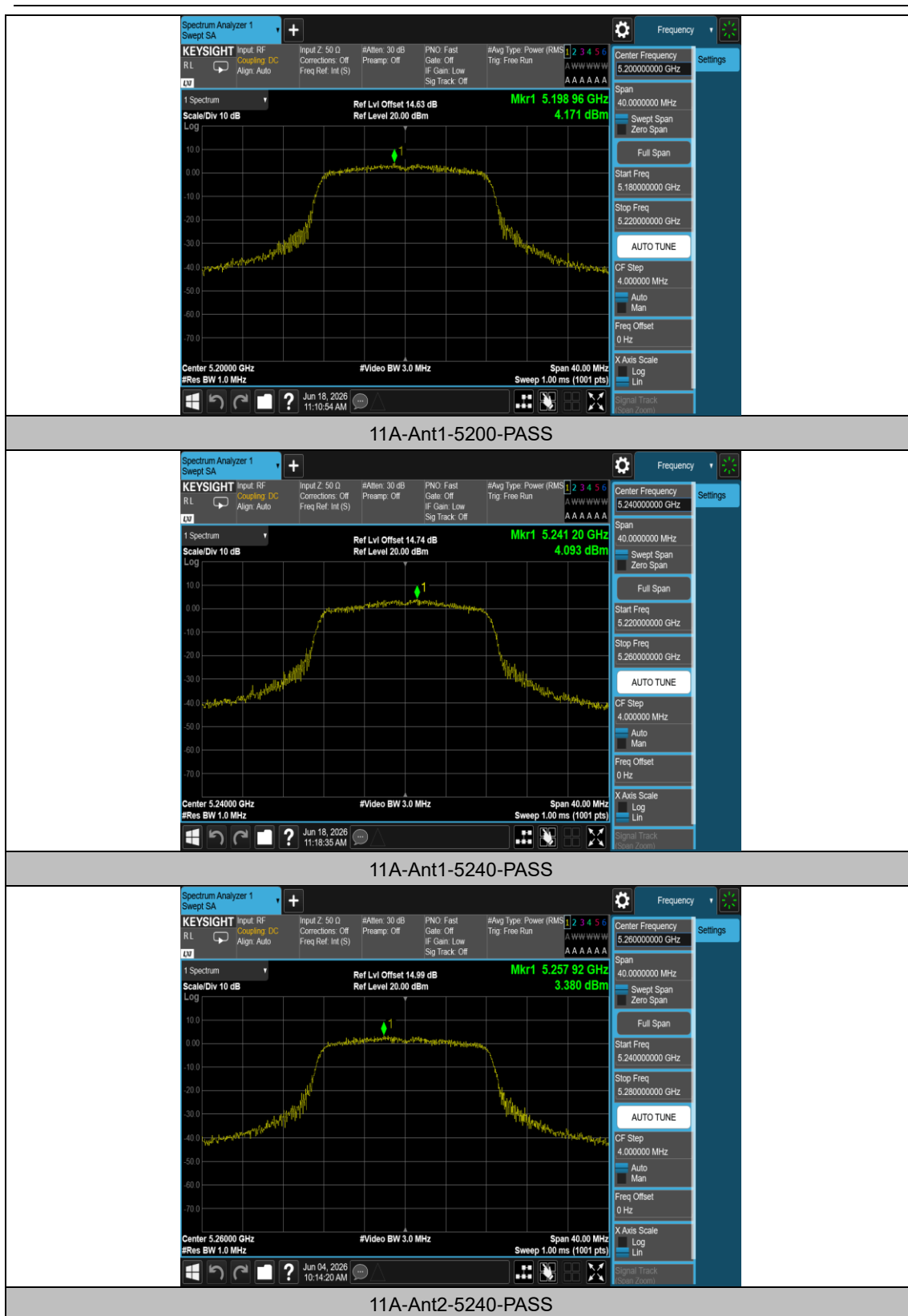
5.1G Limit=10-(6.92-6)=9.08dBm

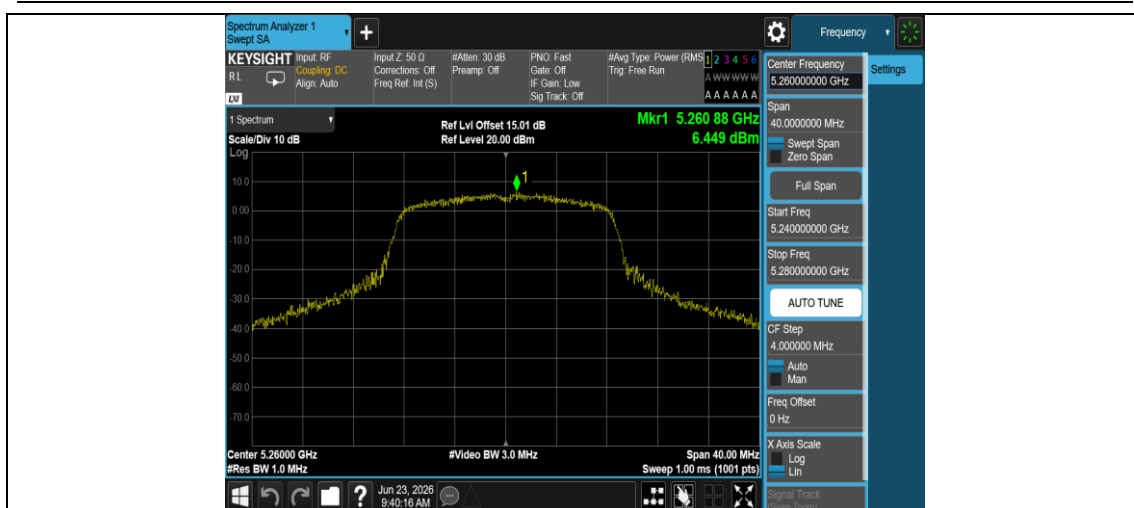
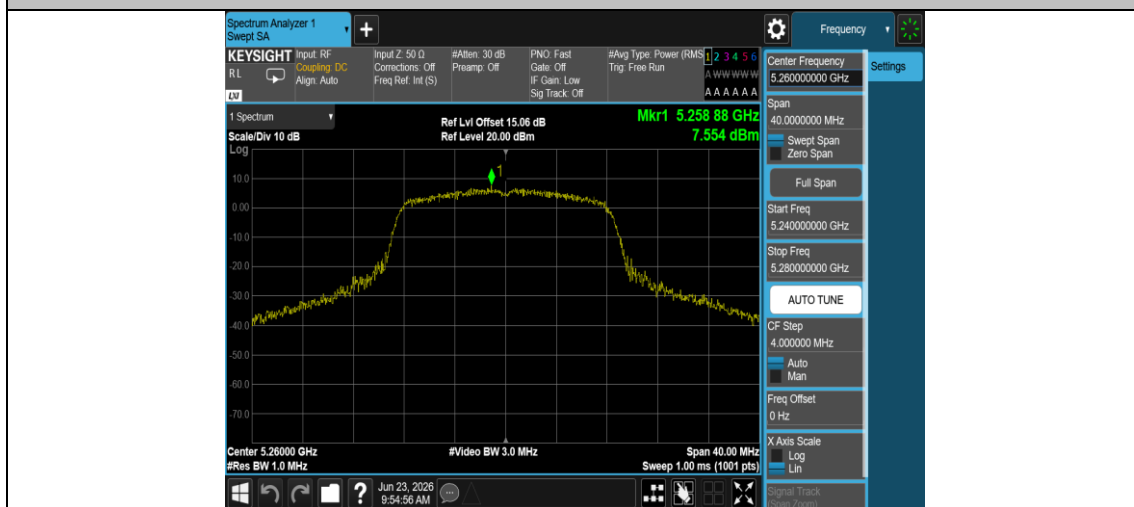
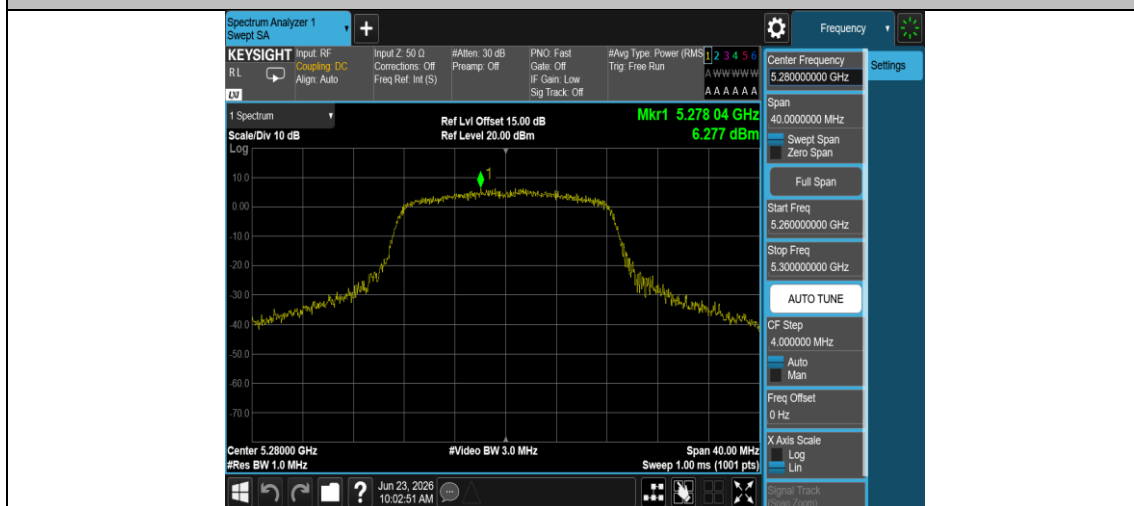
5.3G/5.6G Limit=11-(6.92-6)=10.08dBm

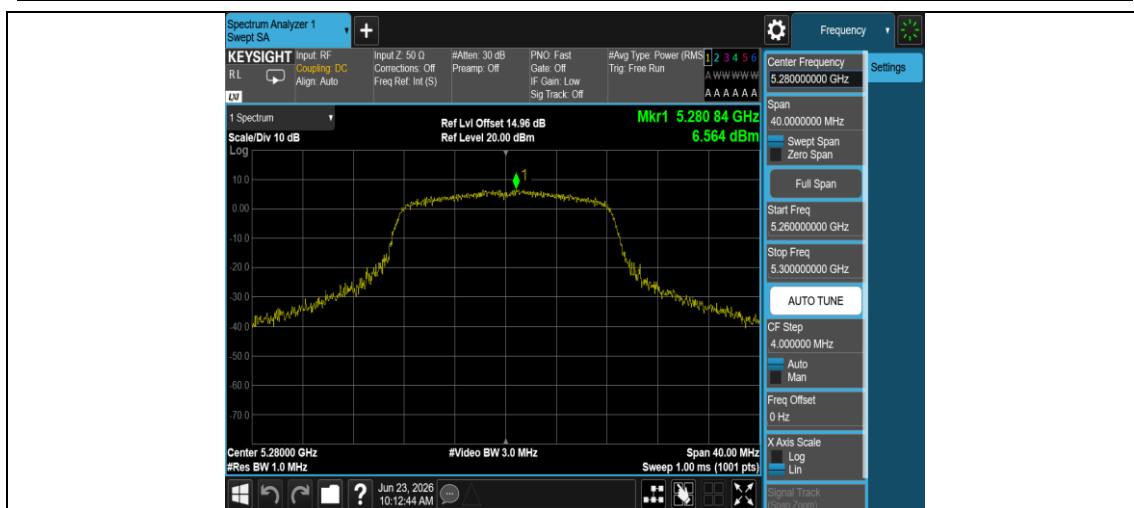
5.8G Limit=30-(6.92-6)=29.08dBm

Test Graphs



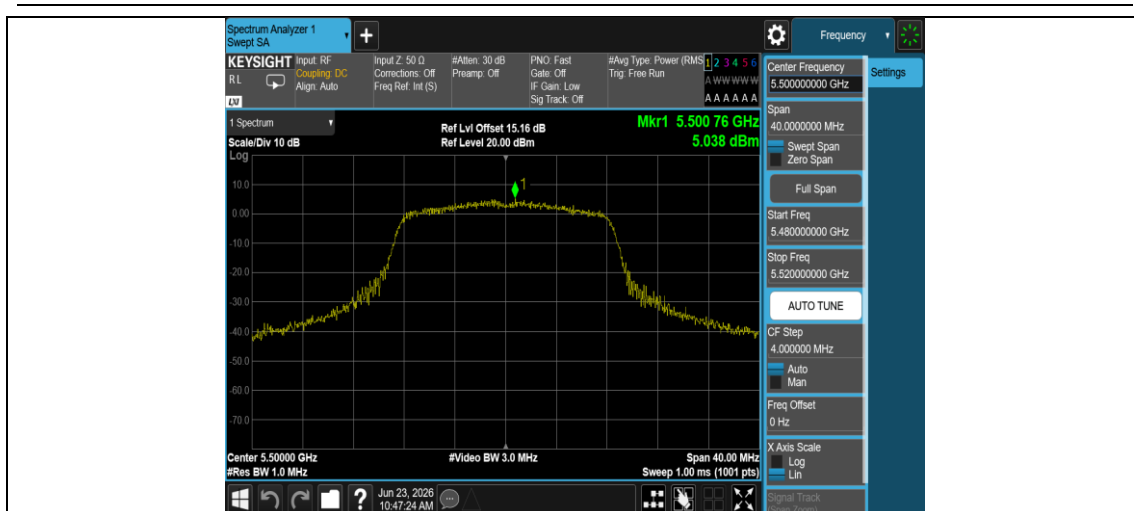
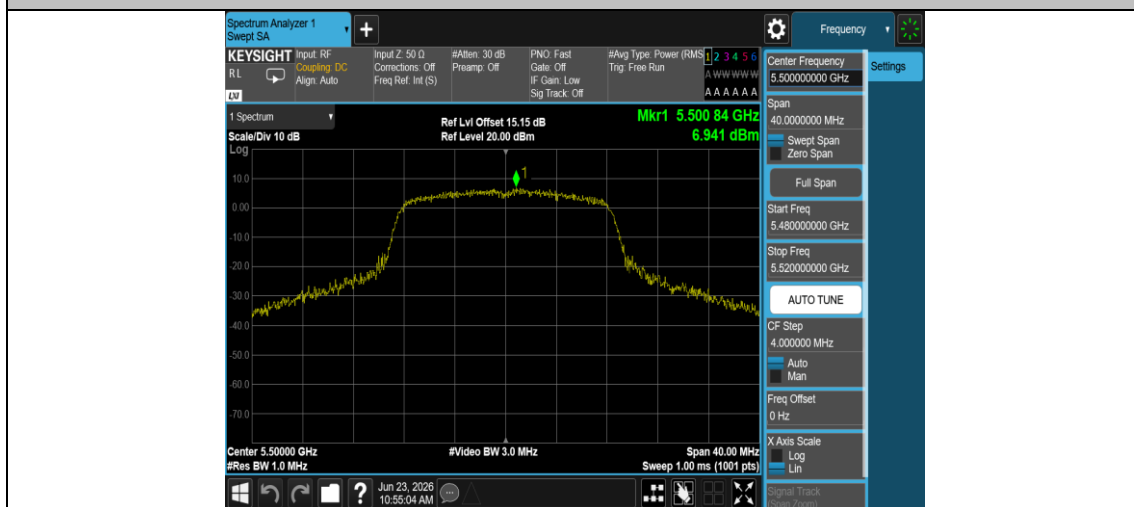
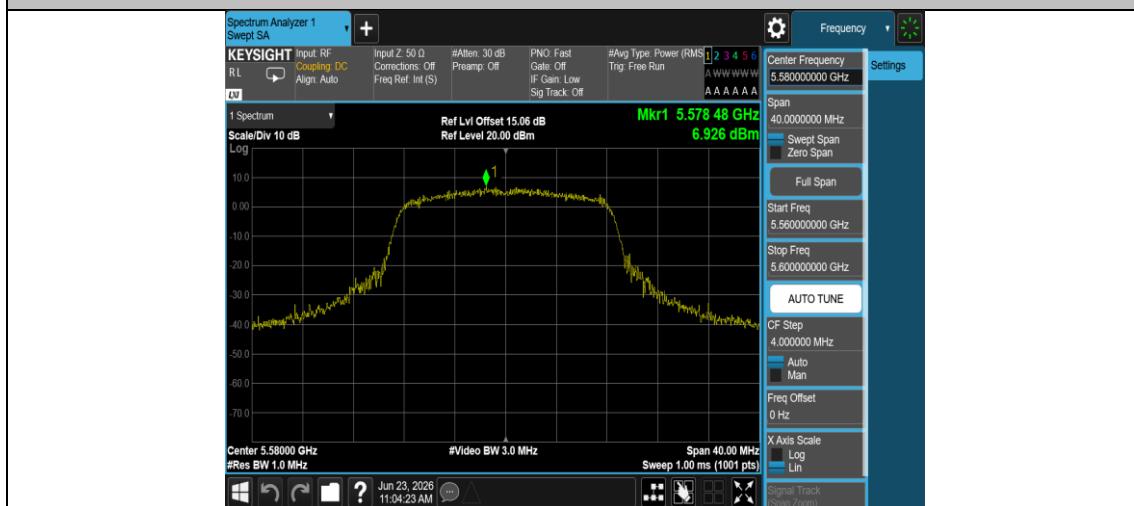



11A-Ant1-5260-PASS

11A-Ant2-5260-PASS

11A-Ant1-5280-PASS


11A-Ant2-5280-PASS

11A-Ant1-5320-PASS

11A-Ant2-5320-PASS


11A-Ant1-5500-PASS

11A-Ant2-5500-PASS

11A-Ant1-5580-PASS

