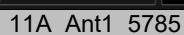
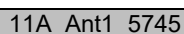


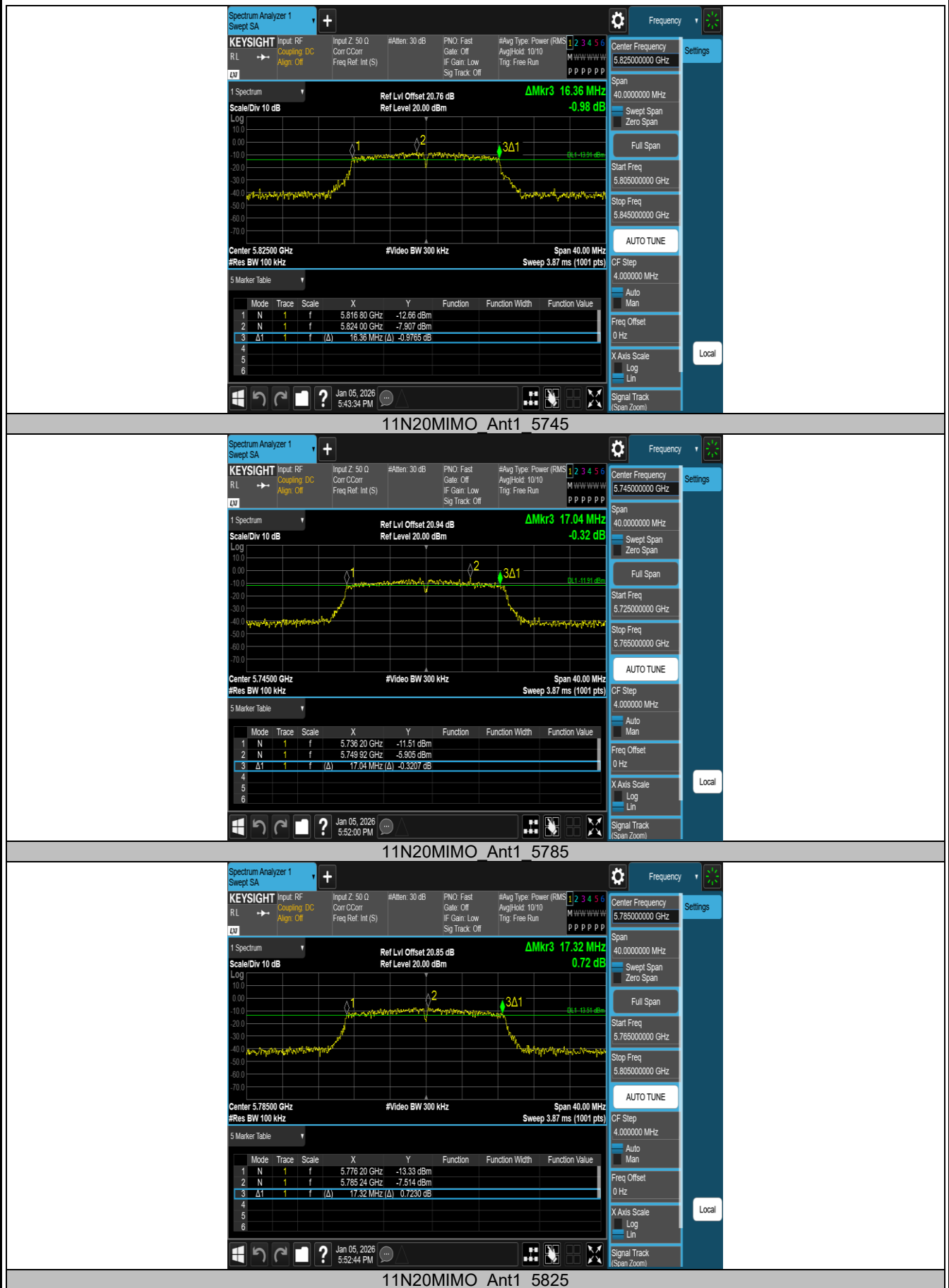
Appendix A.3: Test Results of 6dB Bandwidth

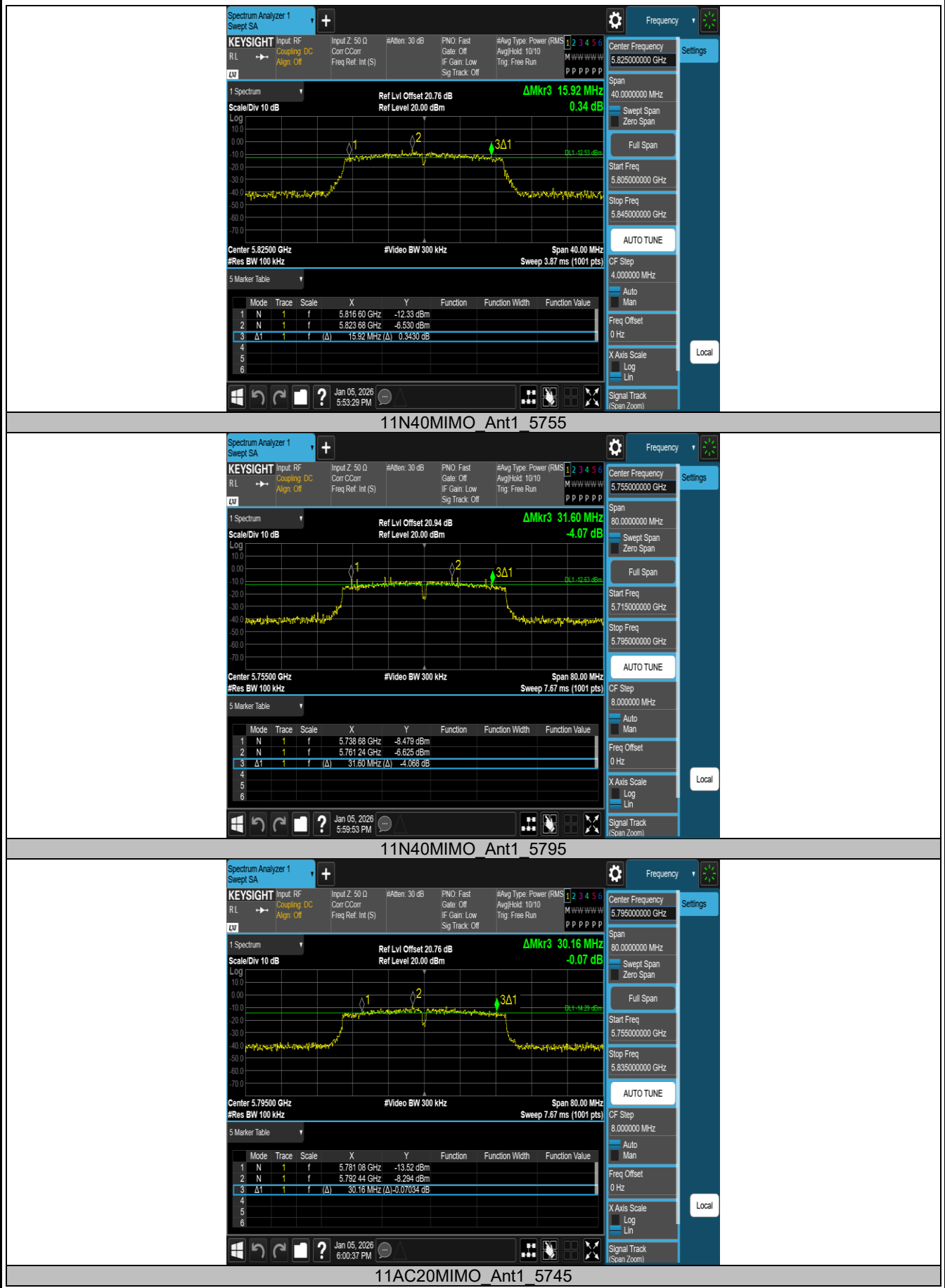
Test Result

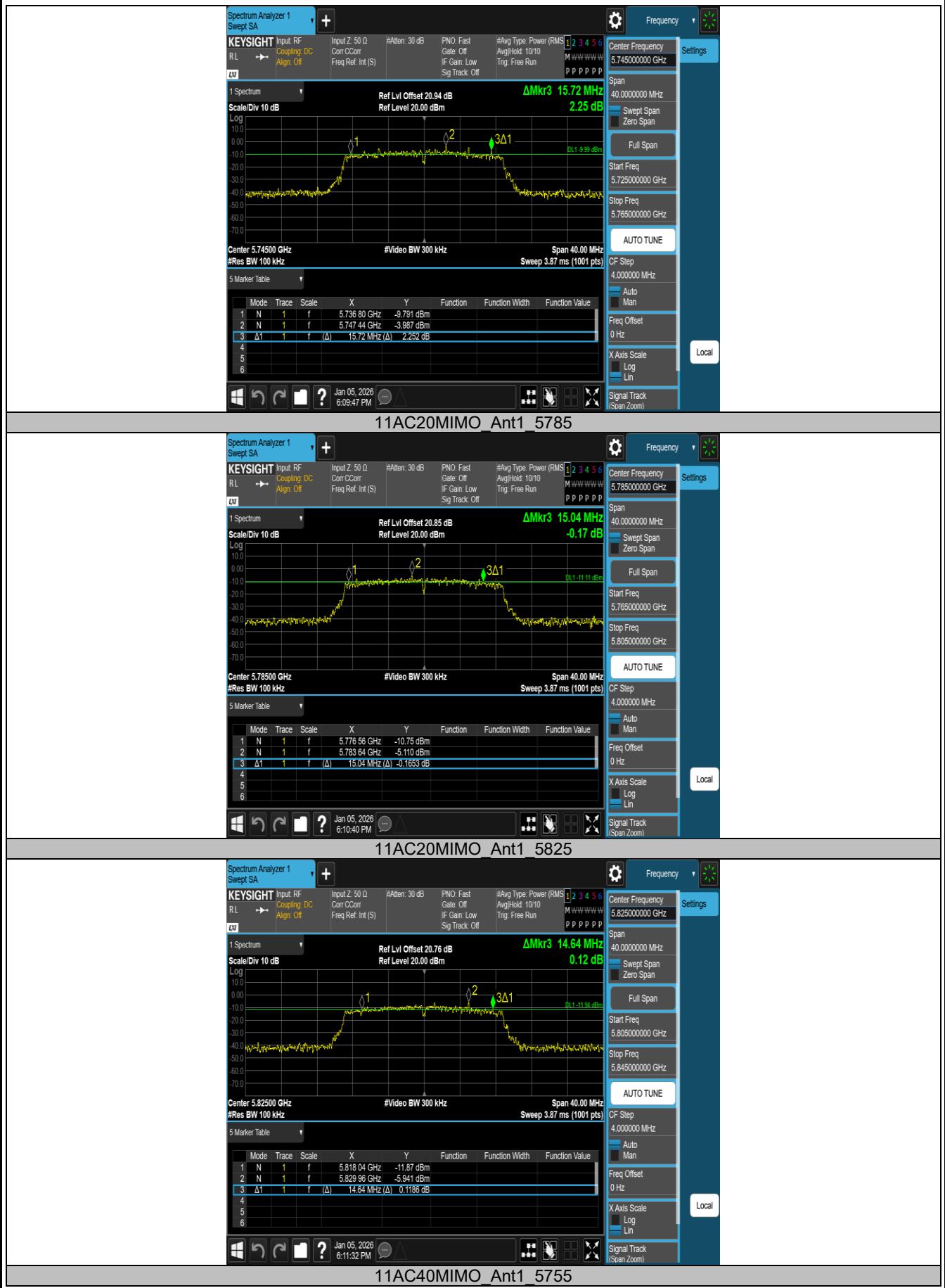
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.680	5737.080	5752.760	0.5	PASS
		5785	15.880	5776.840	5792.720	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20MIMO	Ant1	5745	17.040	5736.200	5753.240	0.5	PASS
		5785	17.320	5776.200	5793.520	0.5	PASS
		5825	15.920	5816.600	5832.520	0.5	PASS
11N40MIMO	Ant1	5755	31.600	5738.680	5770.280	0.5	PASS
		5795	30.160	5781.080	5811.240	0.5	PASS
11AC20MIMO	Ant1	5745	15.720	5736.800	5752.520	0.5	PASS
		5785	15.040	5776.560	5791.600	0.5	PASS
		5825	14.640	5818.040	5832.680	0.5	PASS
11AC40MIMO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	34.320	5777.480	5811.800	0.5	PASS
11AC80MIMO	Ant1	5775	71.360	5737.400	5808.760	0.5	PASS

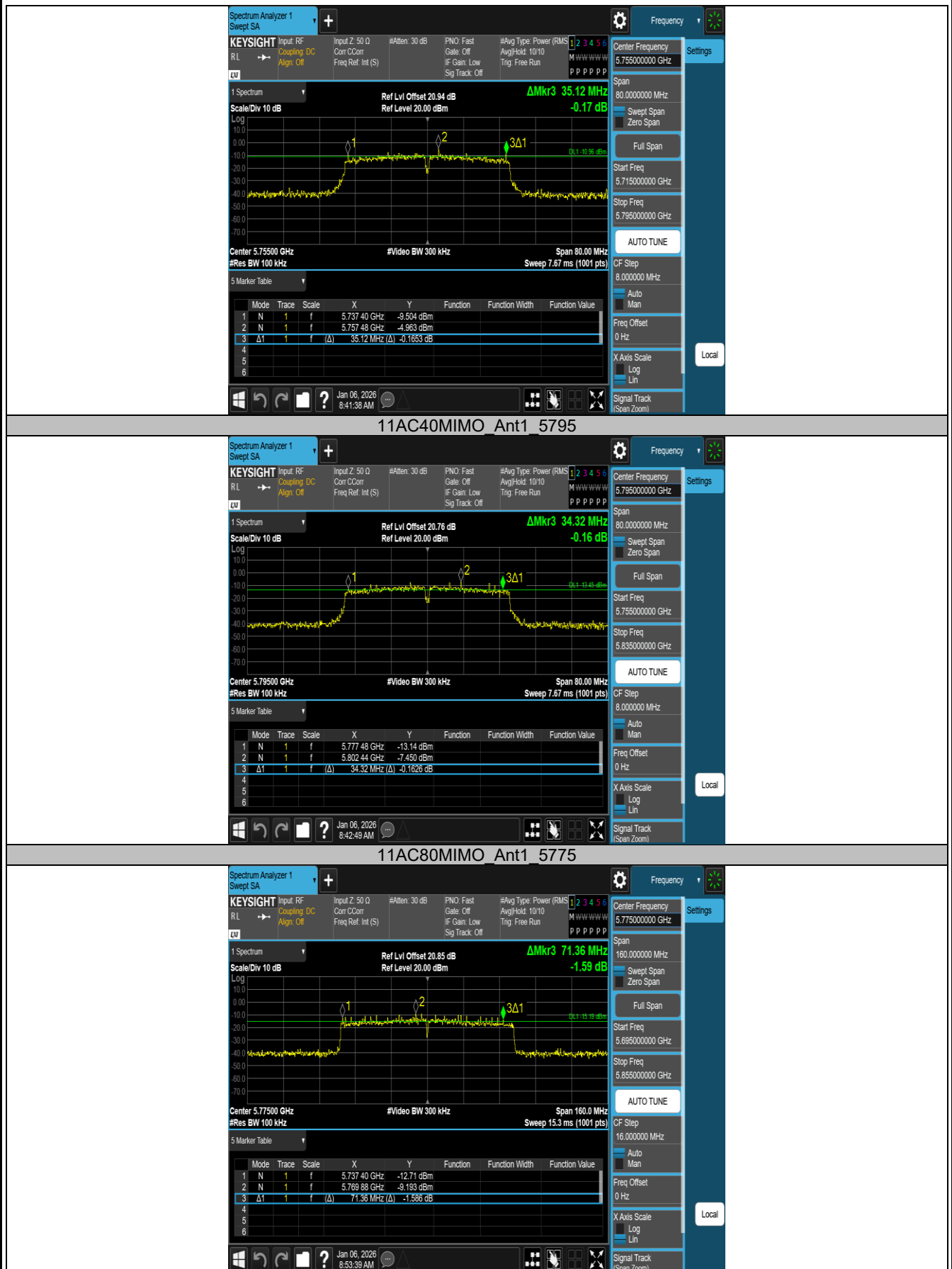
Test Graphs











Appendix A.4: Test Results of Maximum output power*Test Result*

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	14.22	≤23.98	PASS
	Ant2	5180	13.86	≤23.98	PASS
	Ant1	5200	13.94	≤23.98	PASS
	Ant2	5200	13.49	≤23.98	PASS
	Ant1	5240	14.10	≤23.98	PASS
	Ant2	5240	13.95	≤23.98	PASS
	Ant1	5260	14.07	≤23.98	PASS
	Ant2	5260	14.05	≤23.98	PASS
	Ant1	5280	14.02	≤23.98	PASS
	Ant2	5280	14.01	≤23.98	PASS
	Ant1	5320	14.12	≤23.98	PASS
	Ant2	5320	14.57	≤23.98	PASS
	Ant1	5500	13.94	≤23.98	PASS
	Ant2	5500	15.67	≤23.98	PASS
	Ant1	5580	13.39	≤23.98	PASS
	Ant2	5580	14.81	≤23.98	PASS
	Ant1	5700	12.33	≤23.98	PASS
	Ant2	5700	14.20	≤23.98	PASS
	Ant1	5745	11.64	≤30.00	PASS
	Ant2	5745	14.19	≤30.00	PASS
	Ant1	5785	11.07	≤30.00	PASS
	Ant2	5785	14.26	≤30.00	PASS
	Ant1	5825	10.65	≤30.00	PASS
	Ant2	5825	13.93	≤30.00	PASS
11N20MIMO	Ant1	5180	11.23	≤23.98	PASS
	Ant2	5180	10.67	≤23.98	PASS
	total	5180	13.97	≤23.98	PASS
	Ant1	5200	10.98	≤23.98	PASS
	Ant2	5200	10.67	≤23.98	PASS
	total	5200	13.84	≤23.98	PASS
	Ant1	5240	11.14	≤23.98	PASS
	Ant2	5240	10.89	≤23.98	PASS
	total	5240	14.03	≤23.98	PASS
	Ant1	5260	11.16	≤23.98	PASS
	Ant2	5260	10.92	≤23.98	PASS
	total	5260	14.05	≤23.98	PASS
	Ant1	5280	11.14	≤23.98	PASS
	Ant2	5280	10.91	≤23.98	PASS
	total	5280	14.04	≤23.98	PASS
	Ant1	5320	11.24	≤23.98	PASS
	Ant2	5320	11.32	≤23.98	PASS
	total	5320	14.29	≤23.98	PASS
	Ant1	5500	11.17	≤23.98	PASS
	Ant2	5500	12.37	≤23.98	PASS
	total	5500	14.82	≤23.98	PASS
	Ant1	5580	10.57	≤23.98	PASS
	Ant2	5580	11.76	≤23.98	PASS
	total	5580	14.22	≤23.98	PASS
	Ant1	5700	9.40	≤23.98	PASS
	Ant2	5700	10.99	≤23.98	PASS
	total	5700	13.28	≤23.98	PASS
	Ant1	5745	8.82	≤30.00	PASS
	Ant2	5745	11.10	≤30.00	PASS
	total	5745	13.12	≤30.00	PASS
	Ant1	5785	8.27	≤30.00	PASS
	Ant2	5785	11.22	≤30.00	PASS
	total	5785	13.00	≤30.00	PASS

	Ant1	5825	7.77	≤30.00	PASS
	Ant2	5825	11.01	≤30.00	PASS
	total	5825	12.70	≤30.00	PASS
11N40MIMO	Ant1	5190	11.33	≤23.98	PASS
	Ant2	5190	10.74	≤23.98	PASS
	total	5190	14.06	≤23.98	PASS
	Ant1	5230	11.23	≤23.98	PASS
	Ant2	5230	10.92	≤23.98	PASS
	total	5230	14.09	≤23.98	PASS
	Ant1	5270	11.22	≤23.98	PASS
	Ant2	5270	11.10	≤23.98	PASS
	total	5270	14.17	≤23.98	PASS
	Ant1	5310	11.24	≤23.98	PASS
	Ant2	5310	11.34	≤23.98	PASS
	total	5310	14.30	≤23.98	PASS
	Ant1	5510	11.18	≤23.98	PASS
	Ant2	5510	12.36	≤23.98	PASS
	total	5510	14.82	≤23.98	PASS
	Ant1	5550	10.98	≤23.98	PASS
	Ant2	5550	12.24	≤23.98	PASS
	total	5550	14.67	≤23.98	PASS
	Ant1	5670	9.88	≤23.98	PASS
	Ant2	5670	11.64	≤23.98	PASS
	total	5670	13.86	≤23.98	PASS
	Ant1	5755	8.71	≤30.00	PASS
	Ant2	5755	11.35	≤30.00	PASS
	total	5755	13.24	≤30.00	PASS
	Ant1	5795	8.28	≤30.00	PASS
	Ant2	5795	11.25	≤30.00	PASS
	total	5795	13.02	≤30.00	PASS
11AC20MIMO	Ant1	5180	11.29	≤23.98	PASS
	Ant2	5180	10.56	≤23.98	PASS
	total	5180	13.95	≤23.98	PASS
	Ant1	5200	11.09	≤23.98	PASS
	Ant2	5200	10.64	≤23.98	PASS
	total	5200	13.88	≤23.98	PASS
	Ant1	5240	11.10	≤23.98	PASS
	Ant2	5240	10.91	≤23.98	PASS
	total	5240	14.02	≤23.98	PASS
	Ant1	5260	11.16	≤23.98	PASS
	Ant2	5260	10.90	≤23.98	PASS
	total	5260	14.04	≤23.98	PASS
	Ant1	5280	11.16	≤23.98	PASS
	Ant2	5280	10.93	≤23.98	PASS
	total	5280	14.06	≤23.98	PASS
	Ant1	5320	11.17	≤23.98	PASS
	Ant2	5320	11.37	≤23.98	PASS
	total	5320	14.28	≤23.98	PASS
	Ant1	5500	11.18	≤23.98	PASS
	Ant2	5500	12.42	≤23.98	PASS
	total	5500	14.85	≤23.98	PASS
	Ant1	5580	10.64	≤23.98	PASS
	Ant2	5580	11.86	≤23.98	PASS
	total	5580	14.30	≤23.98	PASS
	Ant1	5700	9.49	≤23.98	PASS
	Ant2	5700	11.08	≤23.98	PASS
	total	5700	13.37	≤23.98	PASS
	Ant1	5745	8.86	≤30.00	PASS
	Ant2	5745	10.94	≤30.00	PASS
	total	5745	13.03	≤30.00	PASS
	Ant1	5785	8.33	≤30.00	PASS
	Ant2	5785	11.24	≤30.00	PASS
	total	5785	13.03	≤30.00	PASS

	Ant1	5825	7.80	≤30.00	PASS
	Ant2	5825	11.00	≤30.00	PASS
	total	5825	12.70	≤30.00	PASS
11AC40MIMO	Ant1	5190	11.26	≤23.98	PASS
	Ant2	5190	10.71	≤23.98	PASS
	total	5190	14.00	≤23.98	PASS
	Ant1	5230	11.29	≤23.98	PASS
	Ant2	5230	10.95	≤23.98	PASS
	total	5230	14.13	≤23.98	PASS
	Ant1	5270	11.23	≤23.98	PASS
	Ant2	5270	11.09	≤23.98	PASS
	total	5270	14.17	≤23.98	PASS
	Ant1	5310	11.26	≤23.98	PASS
	Ant2	5310	11.32	≤23.98	PASS
	total	5310	14.30	≤23.98	PASS
	Ant1	5510	11.14	≤23.98	PASS
	Ant2	5510	12.41	≤23.98	PASS
	total	5510	14.83	≤23.98	PASS
	Ant1	5550	10.92	≤23.98	PASS
	Ant2	5550	12.22	≤23.98	PASS
	total	5550	14.63	≤23.98	PASS
	Ant1	5670	9.85	≤23.98	PASS
	Ant2	5670	11.65	≤23.98	PASS
	total	5670	13.85	≤23.98	PASS
	Ant1	5755	8.73	≤30.00	PASS
	Ant2	5755	11.37	≤30.00	PASS
	total	5755	13.26	≤30.00	PASS
11AC80MIMO	Ant1	5795	8.16	≤30.00	PASS
	Ant2	5795	11.39	≤30.00	PASS
	total	5795	13.08	≤30.00	PASS
	Ant1	5210	11.11	≤23.98	PASS
	Ant2	5210	10.63	≤23.98	PASS
	total	5210	13.89	≤23.98	PASS
	Ant1	5290	11.06	≤23.98	PASS
	Ant2	5290	11.12	≤23.98	PASS
	total	5290	14.10	≤23.98	PASS
	Ant1	5530	10.91	≤23.98	PASS
	Ant2	5530	12.26	≤23.98	PASS
	total	5530	14.65	≤23.98	PASS
	Ant1	5610	10.38	≤23.98	PASS
	Ant2	5610	11.69	≤23.98	PASS
	total	5610	14.09	≤23.98	PASS
	Ant1	5775	8.38	≤30.00	PASS
	Ant2	5775	11.25	≤30.00	PASS
	total	5775	13.06	≤30.00	PASS

U-NII 1: Max. e.i.r.p.= 14.22dBm+1.06dBi= 15.28dBm, which is less than 22.3dBm (10 dBm + 10 logB, dBm)
U-NII 2: Max. e.i.r.p.= 14.57dBm+1.23dBi= 15.80dBm, which is less than 29.3dBm (17 dBm + 10 logB, dBm)

Note:

- 1) The Duty Cycle Factor is compensated in the graph.
- 2) Antenna gain(G): max. 1.06dBi for U-NII Band 1, max. 1.23dBi for Band 2A, e.i.r.p.=P(Conducted power)+ G
- 3) B is the 99% emission bandwidth in MHz

Appendix A.5: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.14	≤11.00	PASS
	Ant2	5180	0.92	≤11.00	PASS
	Ant1	5200	0.78	≤11.00	PASS
	Ant2	5200	0.31	≤11.00	PASS
	Ant1	5240	1.08	≤11.00	PASS
	Ant2	5240	0.38	≤11.00	PASS
	Ant1	5260	0.56	≤11.00	PASS
	Ant2	5260	0.41	≤11.00	PASS
	Ant1	5280	0.22	≤11.00	PASS
	Ant2	5280	0.40	≤11.00	PASS
	Ant1	5320	-0.19	≤11.00	PASS
	Ant2	5320	0.78	≤11.00	PASS
	Ant1	5500	0.31	≤11.00	PASS
	Ant2	5500	1.85	≤11.00	PASS
	Ant1	5580	0.93	≤11.00	PASS
	Ant2	5580	1.94	≤11.00	PASS
	Ant1	5700	-0.27	≤11.00	PASS
	Ant2	5700	1.53	≤11.00	PASS
	Ant1	5745	-3.01	≤30.00	PASS
	Ant2	5745	-1.29	≤30.00	PASS
	Ant1	5785	-4.11	≤30.00	PASS
	Ant2	5785	-1.27	≤30.00	PASS
	Ant1	5825	-4.57	≤30.00	PASS
	Ant2	5825	-1.54	≤30.00	PASS
11N20MIMO	Ant1	5180	-2.36	≤11.00	PASS
	Ant2	5180	-2.58	≤11.00	PASS
	total	5180	0.54	≤11.00	PASS
	Ant1	5200	-2.46	≤11.00	PASS
	Ant2	5200	-2.45	≤11.00	PASS
	total	5200	0.56	≤11.00	PASS
	Ant1	5240	-2.58	≤11.00	PASS
	Ant2	5240	-2.40	≤11.00	PASS
	total	5240	0.52	≤11.00	PASS
	Ant1	5260	-2.80	≤11.00	PASS
	Ant2	5260	-2.90	≤11.00	PASS
	total	5260	0.16	≤11.00	PASS
	Ant1	5280	-2.49	≤11.00	PASS
	Ant2	5280	-3.21	≤11.00	PASS
	total	5280	0.18	≤11.00	PASS
	Ant1	5320	-3.28	≤11.00	PASS
	Ant2	5320	-2.54	≤11.00	PASS
	total	5320	0.12	≤11.00	PASS
	Ant1	5500	-3.00	≤11.00	PASS
	Ant2	5500	-1.29	≤11.00	PASS
	total	5500	0.95	≤11.00	PASS
	Ant1	5580	-2.58	≤11.00	PASS
	Ant2	5580	-1.05	≤11.00	PASS
	total	5580	1.26	≤11.00	PASS
	Ant1	5700	-3.67	≤11.00	PASS
	Ant2	5700	-1.73	≤11.00	PASS
	total	5700	0.42	≤11.00	PASS
	Ant1	5745	-6.32	≤30.00	PASS
	Ant2	5745	-3.76	≤30.00	PASS
	total	5745	-1.84	≤30.00	PASS
	Ant1	5785	-7.36	≤30.00	PASS
	Ant2	5785	-4.33	≤30.00	PASS
	total	5785	-2.58	≤30.00	PASS

	Ant1	5825	-7.91	≤30.00	PASS
	Ant2	5825	-4.94	≤30.00	PASS
	total	5825	-3.17	≤30.00	PASS
11N40MIMO	Ant1	5190	-4.85	≤11.00	PASS
	Ant2	5190	-5.74	≤11.00	PASS
	total	5190	-2.26	≤11.00	PASS
	Ant1	5230	-5.27	≤11.00	PASS
	Ant2	5230	-5.20	≤11.00	PASS
	total	5230	-2.22	≤11.00	PASS
	Ant1	5270	-5.75	≤11.00	PASS
	Ant2	5270	-5.61	≤11.00	PASS
	total	5270	-2.67	≤11.00	PASS
	Ant1	5310	-6.02	≤11.00	PASS
	Ant2	5310	-5.71	≤11.00	PASS
	total	5310	-2.85	≤11.00	PASS
	Ant1	5510	-5.38	≤11.00	PASS
	Ant2	5510	-4.38	≤11.00	PASS
	total	5510	-1.84	≤11.00	PASS
	Ant1	5550	-4.97	≤11.00	PASS
	Ant2	5550	-3.89	≤11.00	PASS
	total	5550	-1.39	≤11.00	PASS
	Ant1	5670	-5.63	≤11.00	PASS
	Ant2	5670	-3.31	≤11.00	PASS
	total	5670	-1.31	≤11.00	PASS
	Ant1	5755	-9.49	≤30.00	PASS
	Ant2	5755	-7.18	≤30.00	PASS
	total	5755	-5.17	≤30.00	PASS
	Ant1	5795	-10.00	≤30.00	PASS
	Ant2	5795	-7.47	≤30.00	PASS
	total	5795	-5.54	≤30.00	PASS
11AC20MIMO	Ant1	5180	-2.26	≤11.00	PASS
	Ant2	5180	-2.92	≤11.00	PASS
	total	5180	0.43	≤11.00	PASS
	Ant1	5200	-2.39	≤11.00	PASS
	Ant2	5200	-2.96	≤11.00	PASS
	total	5200	0.34	≤11.00	PASS
	Ant1	5240	-2.31	≤11.00	PASS
	Ant2	5240	-2.42	≤11.00	PASS
	total	5240	0.65	≤11.00	PASS
	Ant1	5260	-2.79	≤11.00	PASS
	Ant2	5260	-3.11	≤11.00	PASS
	total	5260	0.06	≤11.00	PASS
	Ant1	5280	-3.20	≤11.00	PASS
	Ant2	5280	-2.78	≤11.00	PASS
	total	5280	0.03	≤11.00	PASS
	Ant1	5320	-3.27	≤11.00	PASS
	Ant2	5320	-2.32	≤11.00	PASS
	total	5320	0.24	≤11.00	PASS
	Ant1	5500	-2.98	≤11.00	PASS
	Ant2	5500	-1.19	≤11.00	PASS
	total	5500	1.02	≤11.00	PASS
	Ant1	5580	-2.48	≤11.00	PASS
	Ant2	5580	-1.23	≤11.00	PASS
	total	5580	1.20	≤11.00	PASS
	Ant1	5700	-3.40	≤11.00	PASS
	Ant2	5700	-1.95	≤11.00	PASS
	total	5700	0.40	≤11.00	PASS
	Ant1	5745	-6.82	≤30.00	PASS
	Ant2	5745	-4.39	≤30.00	PASS
	total	5745	-2.43	≤30.00	PASS
	Ant1	5785	-7.70	≤30.00	PASS
	Ant2	5785	-4.76	≤30.00	PASS
	total	5785	-2.98	≤30.00	PASS

	Ant1	5825	-7.91	≤30.00	PASS
	Ant2	5825	-4.54	≤30.00	PASS
	total	5825	-2.90	≤30.00	PASS
11AC40MIMO	Ant1	5190	-4.91	≤11.00	PASS
	Ant2	5190	-5.38	≤11.00	PASS
	total	5190	-2.13	≤11.00	PASS
	Ant1	5230	-4.71	≤11.00	PASS
	Ant2	5230	-5.24	≤11.00	PASS
	total	5230	-1.96	≤11.00	PASS
	Ant1	5270	-5.39	≤11.00	PASS
	Ant2	5270	-5.60	≤11.00	PASS
	total	5270	-2.48	≤11.00	PASS
	Ant1	5310	-5.94	≤11.00	PASS
	Ant2	5310	-5.08	≤11.00	PASS
	total	5310	-2.48	≤11.00	PASS
	Ant1	5510	-5.23	≤11.00	PASS
	Ant2	5510	-34.35	≤11.00	PASS
	total	5510	-5.22	≤11.00	PASS
	Ant1	5550	-5.12	≤11.00	PASS
	Ant2	5550	-3.57	≤11.00	PASS
	total	5550	-1.27	≤11.00	PASS
	Ant1	5670	-5.84	≤11.00	PASS
	Ant2	5670	-4.28	≤11.00	PASS
	total	5670	-1.98	≤11.00	PASS
	Ant1	5755	-9.57	≤30.00	PASS
	Ant2	5755	-6.74	≤30.00	PASS
	total	5755	-4.92	≤30.00	PASS
	Ant1	5795	-10.57	≤30.00	PASS
	Ant2	5795	-7.59	≤30.00	PASS
	total	5795	-5.82	≤30.00	PASS
11AC80MIMO	Ant1	5210	-8.19	≤11.00	PASS
	Ant2	5210	-7.76	≤11.00	PASS
	total	5210	-4.96	≤11.00	PASS
	Ant1	5290	-9.02	≤11.00	PASS
	Ant2	5290	-8.30	≤11.00	PASS
	total	5290	-5.63	≤11.00	PASS
	Ant1	5530	-8.61	≤11.00	PASS
	Ant2	5530	-7.07	≤11.00	PASS
	total	5530	-4.76	≤11.00	PASS
	Ant1	5610	-8.28	≤11.00	PASS
	Ant2	5610	-7.17	≤11.00	PASS
	total	5610	-4.68	≤11.00	PASS
	Ant1	5775	-13.41	≤30.00	PASS
	Ant2	5775	-9.41	≤30.00	PASS
	total	5775	-7.95	≤30.00	PASS

U-NII 1: Max. e.i.r.p. spectral density= 1.14dBm+4.06dBi= 5.2dBm/MHz, which is less than 10dBm/MHz

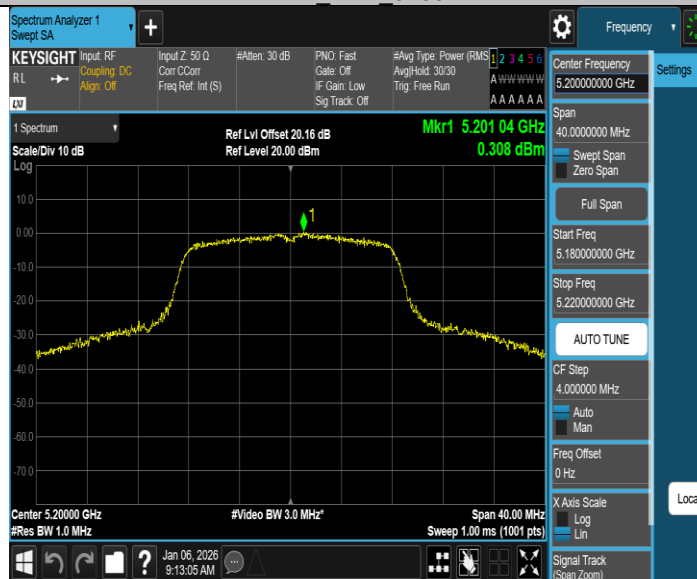
Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): max. 4.06dBi for U-NII Band 1 MIMO mode.
- 3) The Result and Limit Unit is dBm/500 kHz in the band 5.725~5.85 GHz.

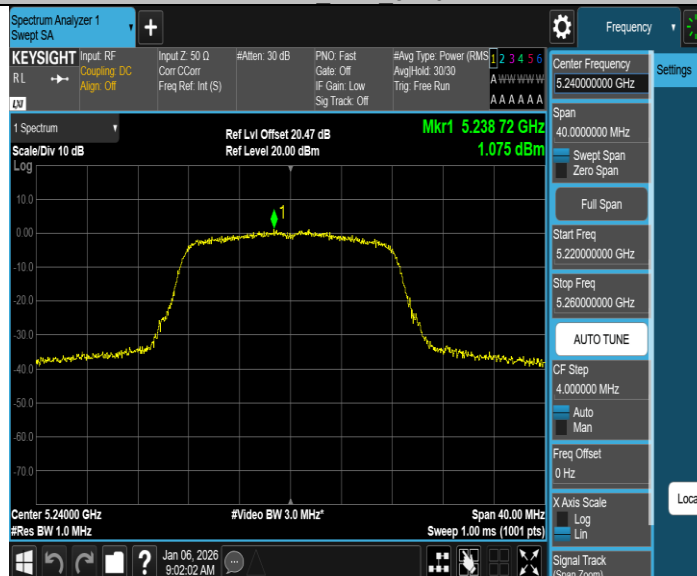
Test Graphs



11A Ant2 5200



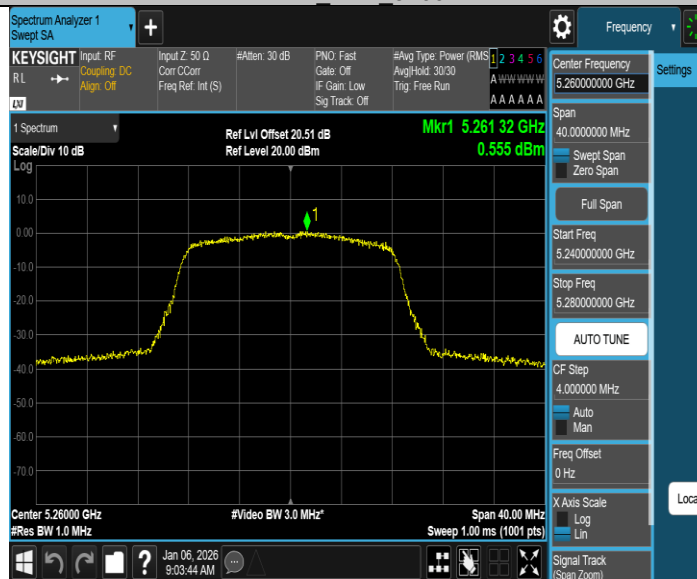
11A Ant1 5240



11A Ant2 5240



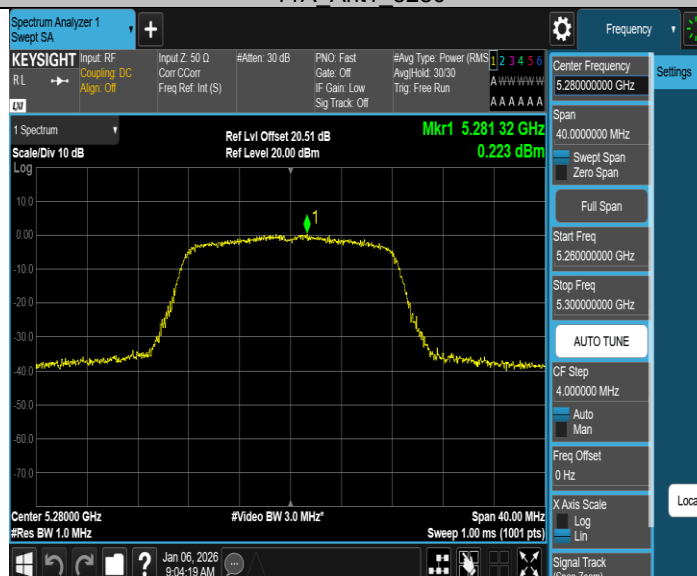
11A Ant1 5260



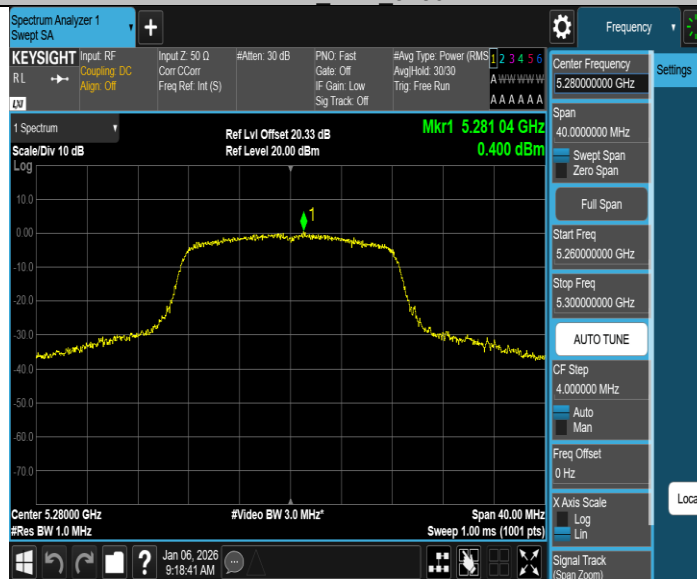
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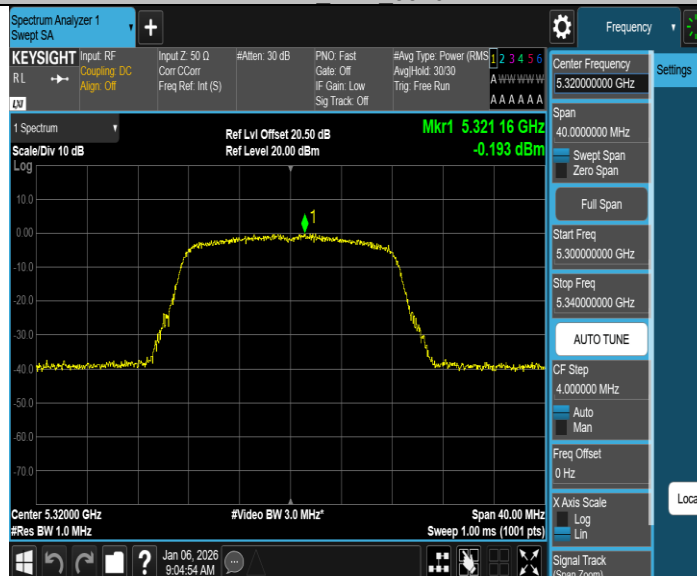
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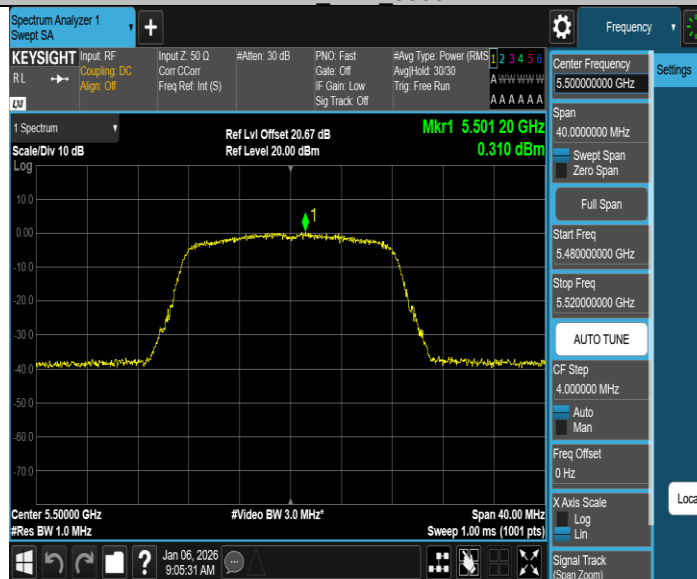
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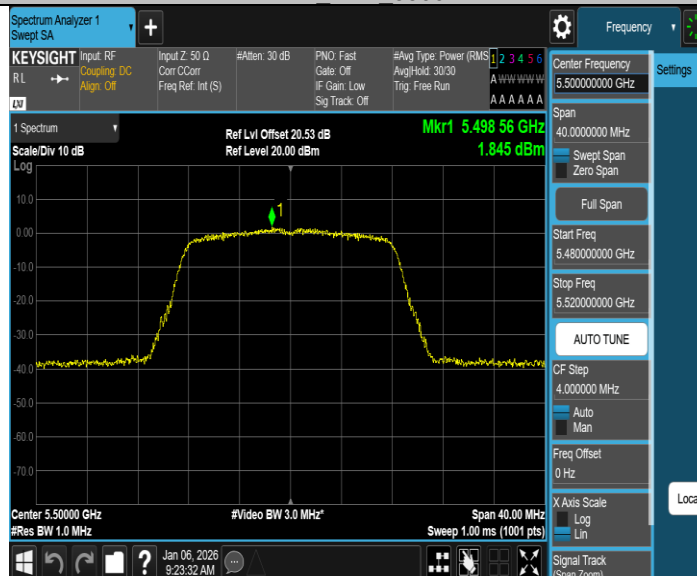
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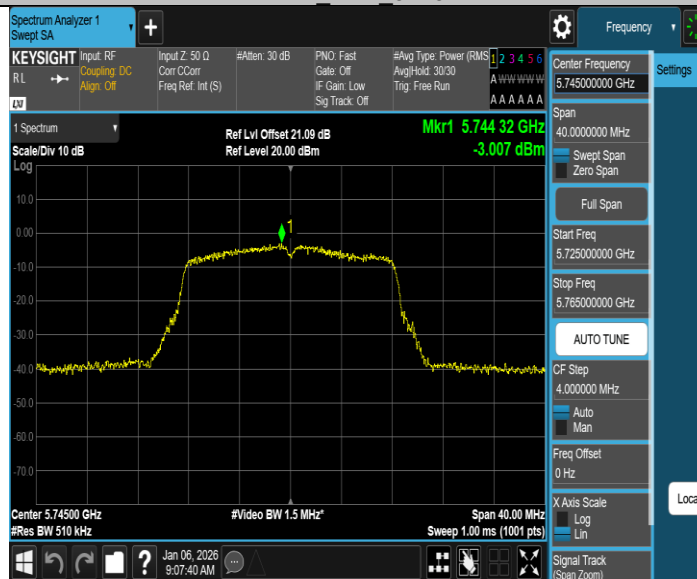


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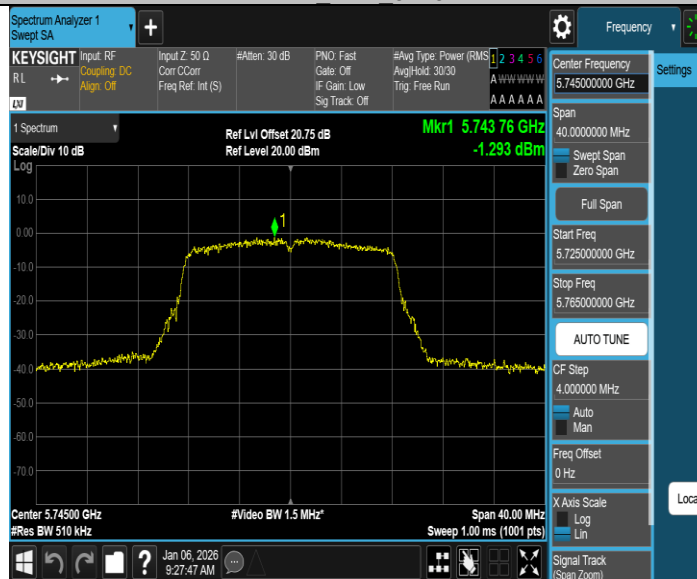




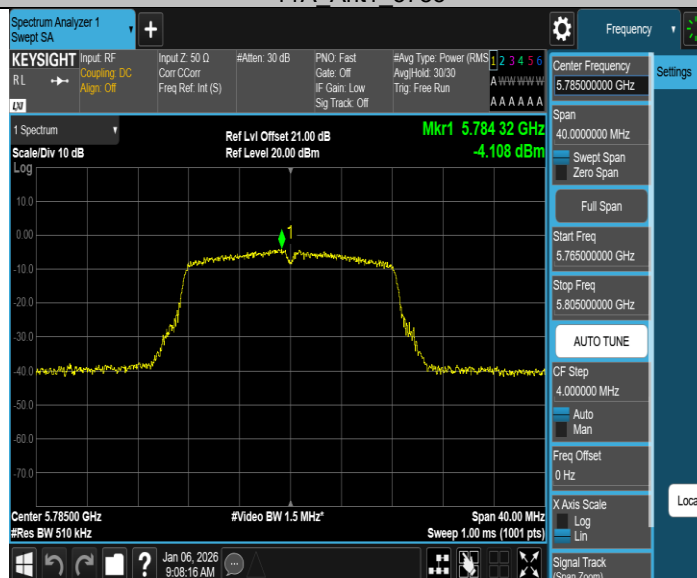
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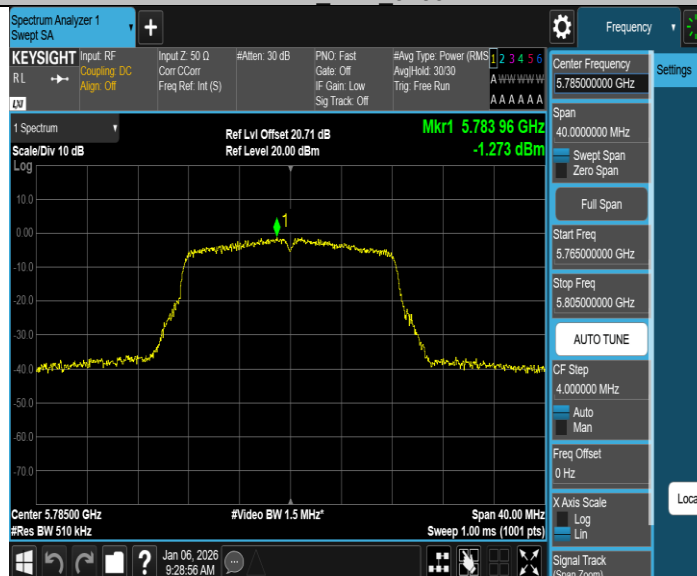
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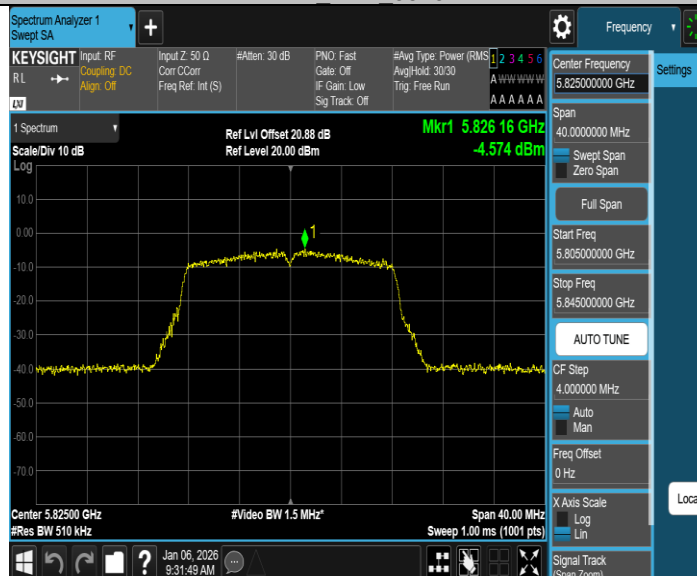
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11A Ant2 5785



11A Ant1 5825



11A Ant2 5825

