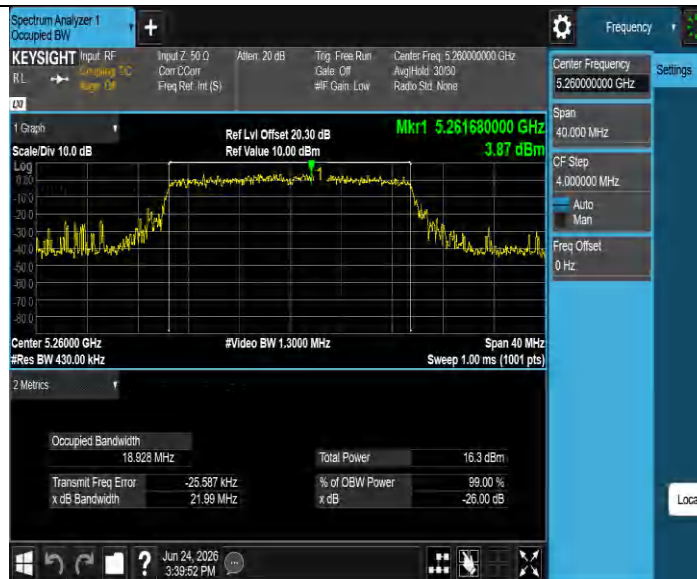
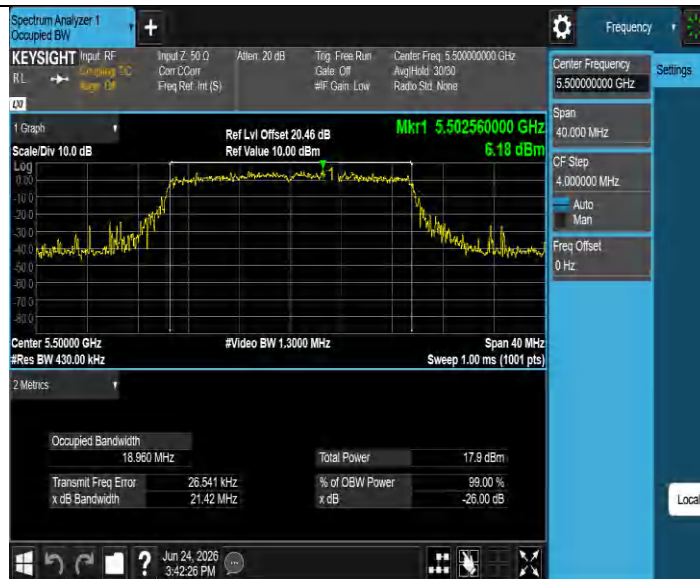
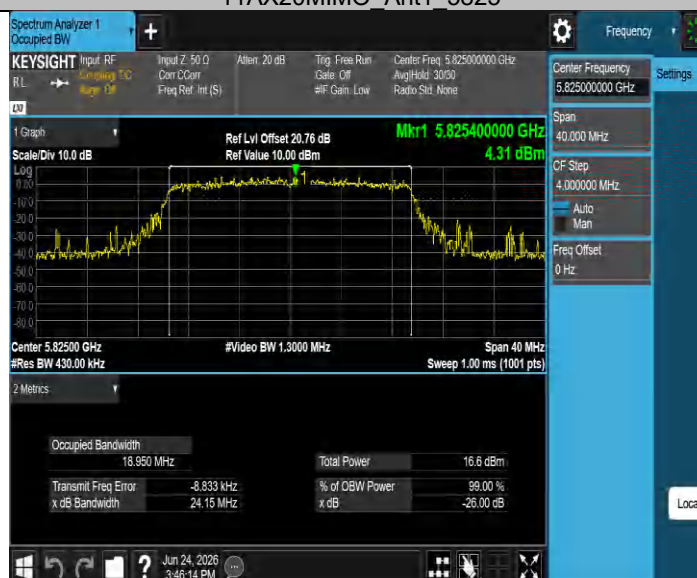
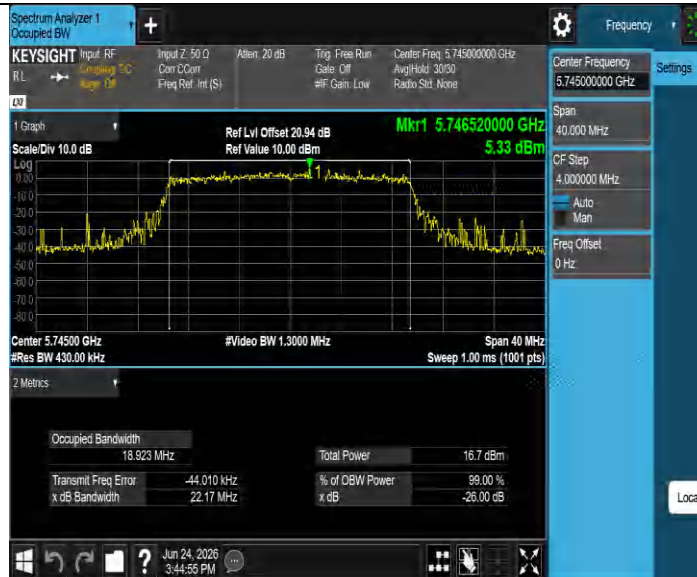
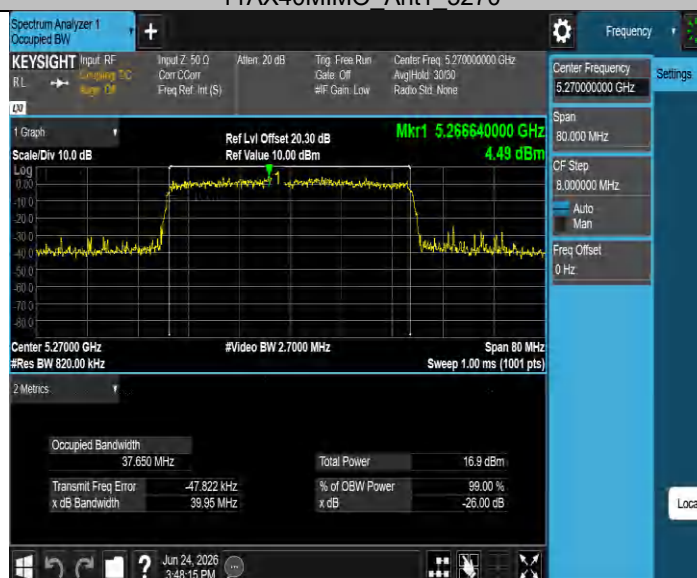
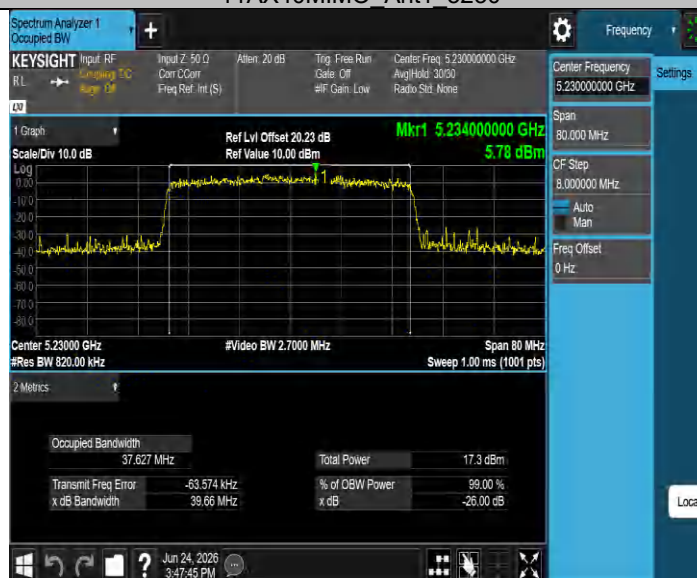
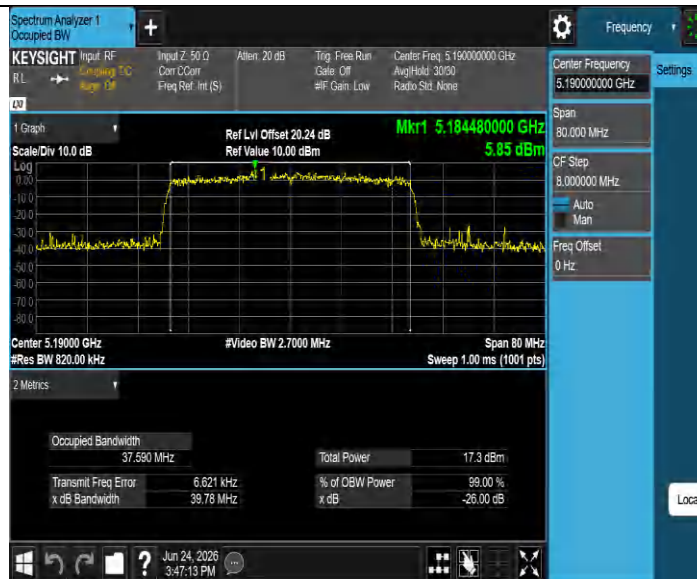
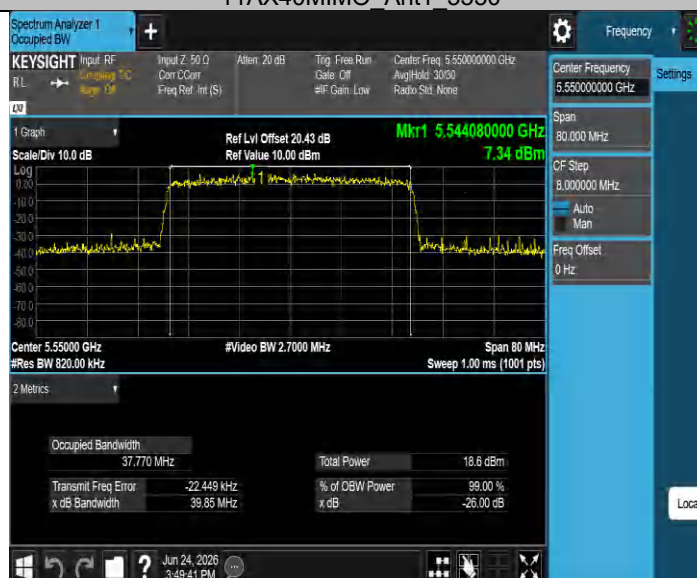
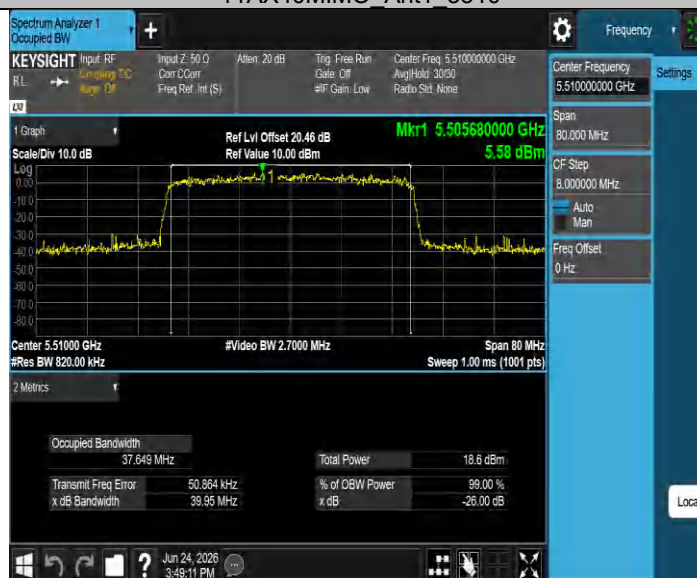
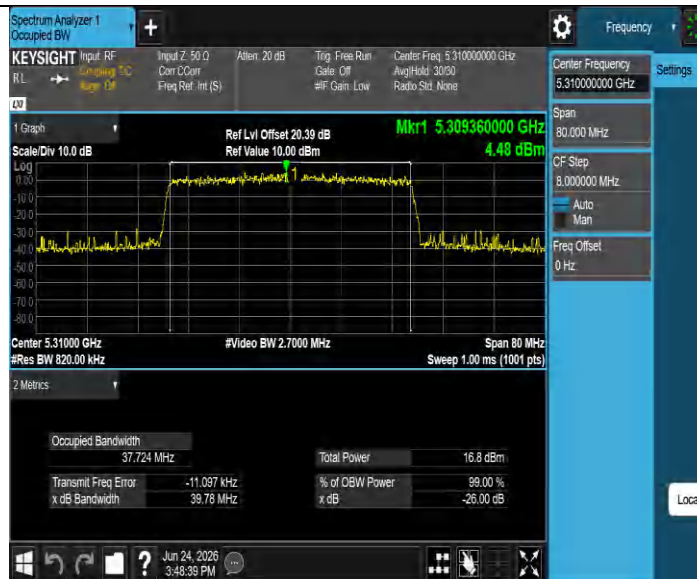




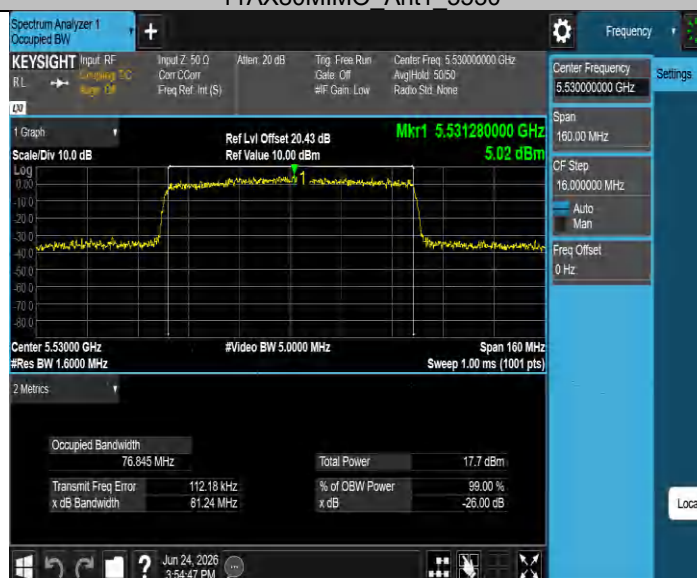
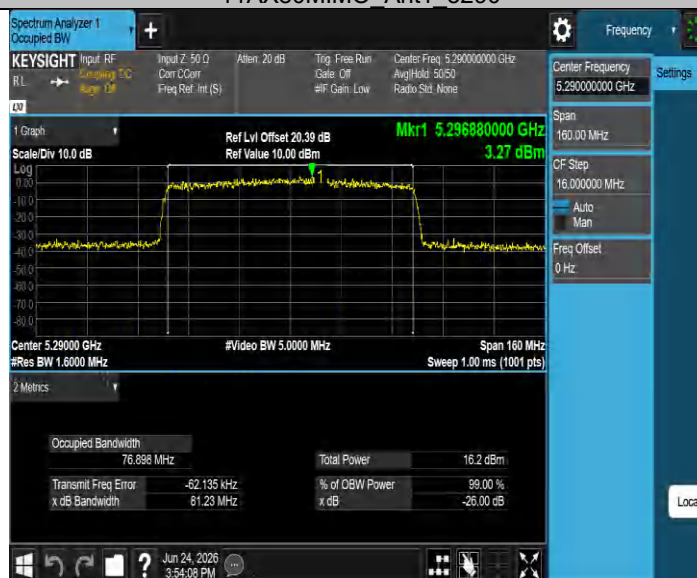
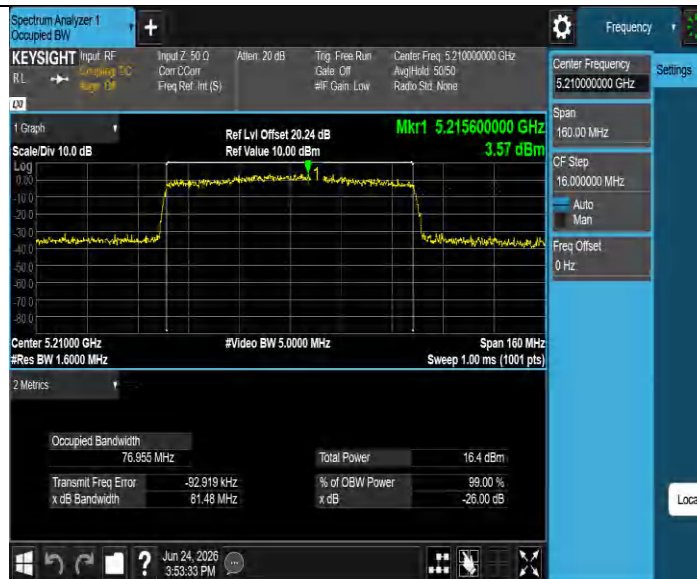


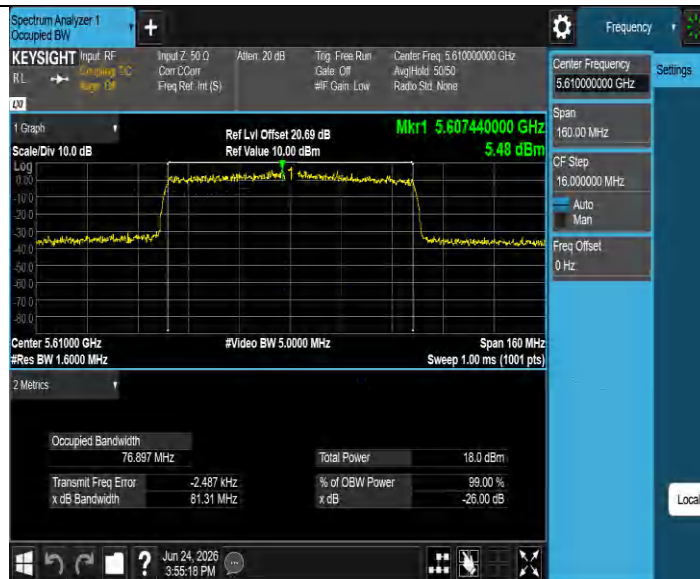




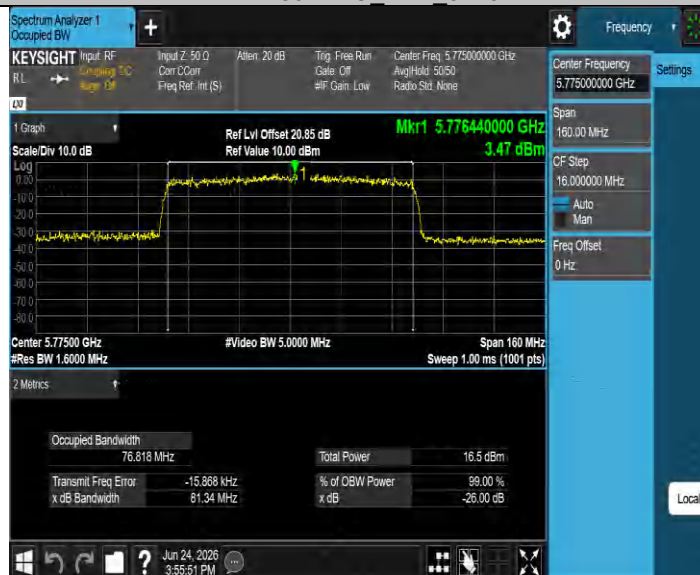








11AX80MIMO_Ant1 5775



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	15.720	5737.040	5752.760	0.5	PASS
		5785	16.320	5776.800	5793.120	0.5	PASS
		5825	16.320	5816.800	5833.120	0.5	PASS
11N20MIMO	Ant1	5745	16.520	5736.800	5753.320	0.5	PASS
		5785	17.720	5776.040	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11N40MIMO	Ant1	5755	34.160	5738.280	5772.440	0.5	PASS
		5795	31.120	5778.440	5809.560	0.5	PASS
11AC20MIMO	Ant1	5745	17.440	5736.120	5753.560	0.5	PASS
		5785	17.520	5776.160	5793.680	0.5	PASS
		5825	16.920	5816.160	5833.080	0.5	PASS
11AC40MIMO	Ant1	5755	35.360	5737.080	5772.440	0.5	PASS
		5795	35.120	5777.640	5812.760	0.5	PASS
11AC80MIMO	Ant1	5775	73.920	5737.400	5811.320	0.5	PASS
11AX20MIMO	Ant1	5745	18.560	5735.520	5754.080	0.5	PASS
		5785	18.880	5775.440	5794.320	0.5	PASS
		5825	18.720	5815.640	5834.360	0.5	PASS
11AX40MIMO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	34.480	5777.960	5812.440	0.5	PASS
11AX80MIMO	Ant1	5775	75.680	5737.560	5813.240	0.5	PASS

Test Graphs

11A Ant1 5745



11A Ant1 5785



11A Ant1 5825



11N20MIMO Ant1 5745



11N20MIMO Ant1 5785



11N20MIMO Ant1 5825





11AC40MIMO_Ant1_5755



11AX20MIMO_Ant1_5745



11AX40MIMO_Ant1_5755



11AX40MIMO_Ant1_5795



11AX80MIMO_Ant1_5775



Appendix A.4: Test Results of Maximum Output Power

Test Result

SISO mode

TestMode	Channel	Result[dBm]		Limit[dBm]	Verdict
		Ant1	Ant2		
11A	5180	12.62	14.96	≤23.98	PASS
	5200	13.41	15.46	≤23.98	PASS
	5240	14.59	17.44	≤23.98	PASS
	5260	14.49	17.25	≤23.98	PASS
	5280	13.08	15.28	≤23.98	PASS
	5320	12.22	14.55	≤23.98	PASS
	5500	12.38	14.36	≤23.98	PASS
	5580	15.50	17.17	≤23.98	PASS
	5700	9.47	11.88	≤23.98	PASS
	5745	13.47	15.59	≤30.00	PASS
	5785	13.33	15.60	≤30.00	PASS
	5825	12.83	14.92	≤30.00	PASS

MIMO mode

TestMode	Channel	Result[dBm]_ MIMO mode	Limit[dBm]	Verdict
11N20MIMO	5180	16.07	≤23.98	PASS
	5200	16.67	≤23.98	PASS
	5240	16.74	≤23.98	PASS
	5260	17.02	≤23.98	PASS
	5280	16.51	≤23.98	PASS
	5320	16.93	≤23.98	PASS
	5500	16.22	≤23.98	PASS
	5580	18.21	≤23.98	PASS
	5700	14.06	≤23.98	PASS
	5745	17.25	≤30.00	PASS
	5785	16.89	≤30.00	PASS
	5825	16.46	≤30.00	PASS
11N40MIMO	5190	14.89	≤23.98	PASS
	5230	16.61	≤23.98	PASS
	5270	16.21	≤23.98	PASS
	5310	14.62	≤23.98	PASS
	5510	15.10	≤23.98	PASS
	5550	18.08	≤23.98	PASS
	5670	14.22	≤23.98	PASS
	5755	17.00	≤30.00	PASS
11AC20MIMO	5795	16.68	≤30.00	PASS
	5180	16.65	≤23.98	PASS
	5200	16.53	≤23.98	PASS
	5240	16.49	≤23.98	PASS
	5260	16.46	≤23.98	PASS
	5280	16.36	≤23.98	PASS
	5320	16.18	≤23.98	PASS
	5500	17.82	≤23.98	PASS
	5580	18.05	≤23.98	PASS
	5700	17.47	≤23.98	PASS

	5745	17.12	≤30.00	PASS
	5785	16.52	≤30.00	PASS
	5825	16.35	≤30.00	PASS
11AC40MIMO	5190	16.44	≤23.98	PASS
	5230	16.58	≤23.98	PASS
	5270	16.43	≤23.98	PASS
	5310	16.39	≤23.98	PASS
	5510	17.90	≤23.98	PASS
	5550	17.95	≤23.98	PASS
	5670	17.83	≤23.98	PASS
	5755	17.02	≤30.00	PASS
	5795	16.56	≤30.00	PASS
11AC80MIMO	5210	13.59	≤23.98	PASS
	5290	13.32	≤23.98	PASS
	5530	13.90	≤23.98	PASS
	5610	15.69	≤23.98	PASS
	5775	16.85	≤30.00	PASS
11AX20MIMO	5180	16.24	≤23.98	PASS
	5200	16.09	≤23.98	PASS
	5240	16.07	≤23.98	PASS
	5260	15.98	≤23.98	PASS
	5280	15.94	≤23.98	PASS
	5320	16.11	≤23.98	PASS
	5500	17.06	≤23.98	PASS
	5580	16.95	≤23.98	PASS
	5700	15.81	≤23.98	PASS
	5745	15.16	≤30.00	PASS
	5785	14.90	≤30.00	PASS
	5825	14.53	≤30.00	PASS
11AX40MIMO	5190	16.09	≤23.98	PASS
	5230	16.16	≤23.98	PASS
	5270	16.05	≤23.98	PASS
	5310	16.07	≤23.98	PASS
	5510	17.12	≤23.98	PASS
	5550	17.23	≤23.98	PASS
	5670	16.31	≤23.98	PASS
	5755	15.10	≤30.00	PASS
	5795	14.84	≤30.00	PASS
11AX80MIMO	5210	13.43	≤23.98	PASS
	5290	13.27	≤23.98	PASS
	5530	13.69	≤23.98	PASS
	5610	15.62	≤23.98	PASS
	5775	13.47	≤30.00	PASS

U-NII 1: Max. e.i.r.p.= 17.44dBm+2.99dBi= 20.43dBm, which is less than 22.37dBm (10 dBm + 10 logB, dBm)
U-NII 2: Max. e.i.r.p.= 18.21dBm+2.98dBi= 21.19dBm, which is less than 29.62dBm (17 dBm + 10 logB, dBm)

Note:

- 1) The Duty Cycle Factor is compensated in the graph.
- 2) Antenna gain(G): 2.97 dBi for ANT 1, 2.99 dBi for ANT 2, 2.98 dBi for MIMO; 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	2.26	≤11.00	PASS
	Ant2	5180	3.82	≤11.00	PASS
	Ant1	5200	3.33	≤11.00	PASS
	Ant2	5200	4.59	≤11.00	PASS
	Ant1	5240	2.72	≤11.00	PASS
	Ant2	5240	4.56	≤11.00	PASS
	Ant1	5260	2.12	≤11.00	PASS
	Ant2	5260	3.97	≤11.00	PASS
	Ant1	5280	1.17	≤11.00	PASS
	Ant2	5280	3.85	≤11.00	PASS
	Ant1	5320	0.97	≤11.00	PASS
	Ant2	5320	3.84	≤11.00	PASS
	Ant1	5500	0.84	≤11.00	PASS
	Ant2	5500	6.68	≤11.00	PASS
	Ant1	5580	2.50	≤11.00	PASS
	Ant2	5580	7.12	≤11.00	PASS
	Ant1	5700	2.91	≤11.00	PASS
	Ant2	5700	5.80	≤11.00	PASS
	Ant1	5745	-0.24	≤30.00	PASS
	Ant2	5745	2.53	≤30.00	PASS
	Ant1	5785	-0.05	≤30.00	PASS
	Ant2	5785	2.26	≤30.00	PASS
	Ant1	5825	-0.54	≤30.00	PASS
	Ant2	5825	1.40	≤30.00	PASS
11N20MIMO	Ant1	5180	-1.03	≤11.00	PASS
	Ant2	5180	2.46	≤11.00	PASS
	total	5180	4.07	≤11.00	PASS
	Ant1	5200	-1.41	≤11.00	PASS
	Ant2	5200	2.12	≤11.00	PASS
	total	5200	3.71	≤11.00	PASS
	Ant1	5240	-2.28	≤11.00	PASS
	Ant2	5240	2.08	≤11.00	PASS
	total	5240	3.44	≤11.00	PASS
	Ant1	5260	-2.78	≤11.00	PASS
	Ant2	5260	2.09	≤11.00	PASS
	total	5260	3.31	≤11.00	PASS
	Ant1	5280	-3.50	≤11.00	PASS
	Ant2	5280	1.12	≤11.00	PASS
	total	5280	2.41	≤11.00	PASS
	Ant1	5320	-2.42	≤11.00	PASS
	Ant2	5320	1.98	≤11.00	PASS
	total	5320	3.33	≤11.00	PASS
	Ant1	5500	-1.26	≤11.00	PASS
	Ant2	5500	3.21	≤11.00	PASS
	total	5500	4.54	≤11.00	PASS
	Ant1	5580	-0.11	≤11.00	PASS
	Ant2	5580	4.83	≤11.00	PASS
	total	5580	6.04	≤11.00	PASS
	Ant1	5700	0.69	≤11.00	PASS
	Ant2	5700	3.37	≤11.00	PASS
	total	5700	5.24	≤11.00	PASS
	Ant1	5745	-2.70	≤30.00	PASS

	Ant2	5745	-0.74	≤30.00	PASS
	total	5745	1.40	≤30.00	PASS
	Ant1	5785	-4.19	≤30.00	PASS
	Ant2	5785	-0.08	≤30.00	PASS
	total	5785	1.34	≤30.00	PASS
	Ant1	5825	-3.74	≤30.00	PASS
	Ant2	5825	-0.65	≤30.00	PASS
	total	5825	1.08	≤30.00	PASS
11N40MIMO	Ant1	5190	-4.49	≤11.00	PASS
	Ant2	5190	-0.25	≤11.00	PASS
	total	5190	1.14	≤11.00	PASS
	Ant1	5230	-4.68	≤11.00	PASS
	Ant2	5230	-0.18	≤11.00	PASS
	total	5230	1.14	≤11.00	PASS
	Ant1	5270	-5.83	≤11.00	PASS
	Ant2	5270	-2.41	≤11.00	PASS
	total	5270	-0.78	≤11.00	PASS
	Ant1	5310	-6.89	≤11.00	PASS
	Ant2	5310	-2.38	≤11.00	PASS
	total	5310	-1.06	≤11.00	PASS
	Ant1	5510	-4.72	≤11.00	PASS
	Ant2	5510	0.14	≤11.00	PASS
	total	5510	1.37	≤11.00	PASS
	Ant1	5550	-3.94	≤11.00	PASS
	Ant2	5550	0.62	≤11.00	PASS
	total	5550	1.92	≤11.00	PASS
	Ant1	5670	-1.50	≤11.00	PASS
	Ant2	5670	0.51	≤11.00	PASS
	total	5670	2.63	≤11.00	PASS
	Ant1	5755	-6.14	≤30.00	PASS
	Ant2	5755	-2.10	≤30.00	PASS
	total	5755	-0.66	≤30.00	PASS
	Ant1	5795	-5.63	≤30.00	PASS
	Ant2	5795	-4.07	≤30.00	PASS
	total	5795	-1.77	≤30.00	PASS
11AC80MIMO	Ant1	5210	-9.93	≤11.00	PASS
	Ant2	5210	-5.10	≤11.00	PASS
	total	5210	-3.87	≤11.00	PASS
	Ant1	5290	-10.41	≤11.00	PASS
	Ant2	5290	-5.40	≤11.00	PASS
	total	5290	-4.21	≤11.00	PASS
	Ant1	5530	-7.30	≤11.00	PASS
	Ant2	5530	-1.89	≤11.00	PASS
	total	5530	-0.79	≤11.00	PASS
	Ant1	5610	-6.22	≤11.00	PASS
	Ant2	5610	-4.59	≤11.00	PASS
	total	5610	-2.32	≤11.00	PASS
	Ant1	5775	-10.14	≤30.00	PASS
	Ant2	5775	-5.07	≤30.00	PASS
	total	5775	-3.89	≤30.00	PASS
11AX20MIMO	Ant1	5180	0.63	≤11.00	PASS
	Ant2	5180	0.78	≤11.00	PASS
	total	5180	3.72	≤11.00	PASS
	Ant1	5200	0.76	≤11.00	PASS
	Ant2	5200	1.36	≤11.00	PASS
	total	5200	4.08	≤11.00	PASS
	Ant1	5240	0.97	≤11.00	PASS

	Ant2	5240	1.22	≤11.00	PASS
	total	5240	4.11	≤11.00	PASS
	Ant1	5260	1.03	≤11.00	PASS
	Ant2	5260	0.51	≤11.00	PASS
	total	5260	3.79	≤11.00	PASS
	Ant1	5280	0.89	≤11.00	PASS
	Ant2	5280	0.19	≤11.00	PASS
	total	5280	3.56	≤11.00	PASS
	Ant1	5320	0.73	≤11.00	PASS
	Ant2	5320	0.61	≤11.00	PASS
	total	5320	3.68	≤11.00	PASS
	Ant1	5500	2.63	≤11.00	PASS
	Ant2	5500	1.27	≤11.00	PASS
	total	5500	5.01	≤11.00	PASS
	Ant1	5580	3.13	≤11.00	PASS
	Ant2	5580	1.97	≤11.00	PASS
	total	5580	5.60	≤11.00	PASS
	Ant1	5700	1.48	≤11.00	PASS
	Ant2	5700	0.78	≤11.00	PASS
	total	5700	4.15	≤11.00	PASS
	Ant1	5745	-1.95	≤30.00	PASS
	Ant2	5745	-3.07	≤30.00	PASS
	total	5745	0.54	≤30.00	PASS
	Ant1	5785	-1.40	≤30.00	PASS
	Ant2	5785	-3.72	≤30.00	PASS
	total	5785	0.60	≤30.00	PASS
	Ant1	5825	-2.36	≤30.00	PASS
	Ant2	5825	-4.01	≤30.00	PASS
	total	5825	-0.10	≤30.00	PASS
11AX40MIMO	Ant1	5190	-2.29	≤11.00	PASS
	Ant2	5190	-1.56	≤11.00	PASS
	total	5190	1.10	≤11.00	PASS
	Ant1	5230	-1.10	≤11.00	PASS
	Ant2	5230	-2.64	≤11.00	PASS
	total	5230	1.21	≤11.00	PASS
	Ant1	5270	-1.88	≤11.00	PASS
	Ant2	5270	-1.69	≤11.00	PASS
	total	5270	1.23	≤11.00	PASS
	Ant1	5310	-2.30	≤11.00	PASS
	Ant2	5310	-1.69	≤11.00	PASS
	total	5310	1.03	≤11.00	PASS
	Ant1	5510	-2.39	≤11.00	PASS
	Ant2	5510	0.31	≤11.00	PASS
	total	5510	2.18	≤11.00	PASS
	Ant1	5550	0.34	≤11.00	PASS
	Ant2	5550	-0.18	≤11.00	PASS
	total	5550	3.10	≤11.00	PASS
	Ant1	5670	-1.99	≤11.00	PASS
	Ant2	5670	-1.92	≤11.00	PASS
	total	5670	1.06	≤11.00	PASS
	Ant1	5755	-3.71	≤30.00	PASS
	Ant2	5755	-5.72	≤30.00	PASS
	total	5755	-1.59	≤30.00	PASS
	Ant1	5795	-4.63	≤30.00	PASS
	Ant2	5795	-6.45	≤30.00	PASS
	total	5795	-2.44	≤30.00	PASS
11AX80MIMO	Ant1	5210	-5.99	≤11.00	PASS

	Ant2	5210	-4.66	≤11.00	PASS
	total	5210	-2.26	≤11.00	PASS
	Ant1	5290	-5.27	≤11.00	PASS
	Ant2	5290	-4.86	≤11.00	PASS
	total	5290	-2.05	≤11.00	PASS
	Ant1	5530	-3.71	≤11.00	PASS
	Ant2	5530	-4.92	≤11.00	PASS
	total	5530	-1.26	≤11.00	PASS
	Ant1	5610	-4.69	≤11.00	PASS
	Ant2	5610	-5.68	≤11.00	PASS
	total	5610	-2.15	≤11.00	PASS
	Ant1	5775	-7.14	≤30.00	PASS
	Ant2	5775	-8.87	≤30.00	PASS
	total	5775	-4.91	≤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.
- 3) Antenna gain(G): 2.97 dBi for ANT 1, 2.99 dBi for ANT 2 (U-NII Band 1).

Test Graphs

11A Ant1 5180



11A Ant2 5180



11A Ant1 5200



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

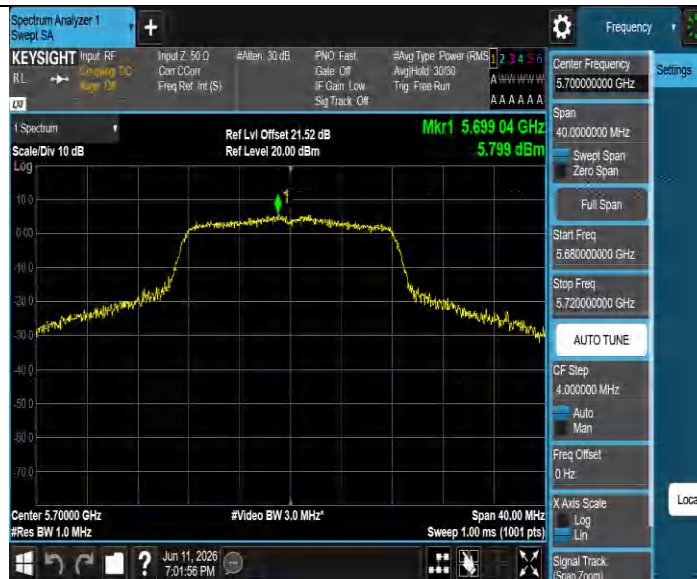


11A_Ant2_5500



11A_Ant1_5580





11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200

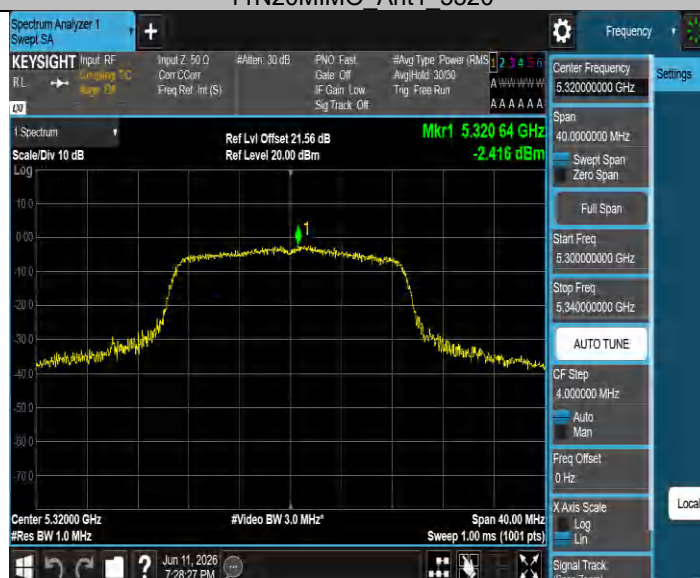


11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240









11N20MIMO Ant2 5580



11N20MIMO Ant1 5700



11N20MIMO Ant2 5700



11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825





11N40MIMO_Ant2_5230



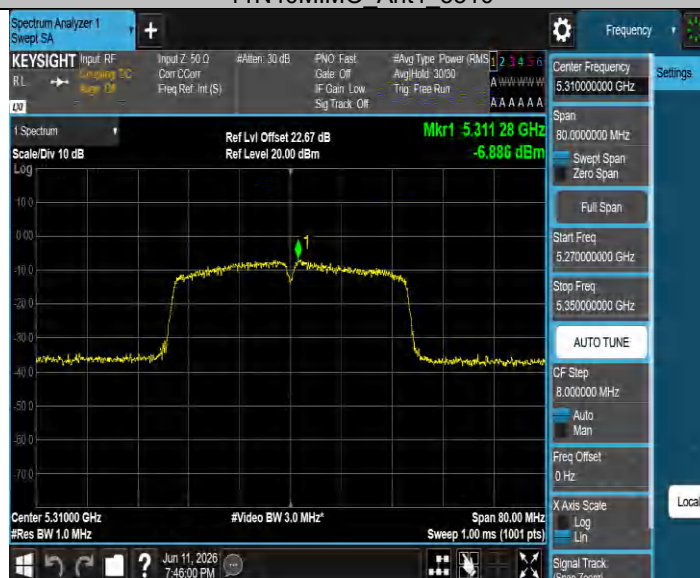
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11N40MIMO_Ant2_5270



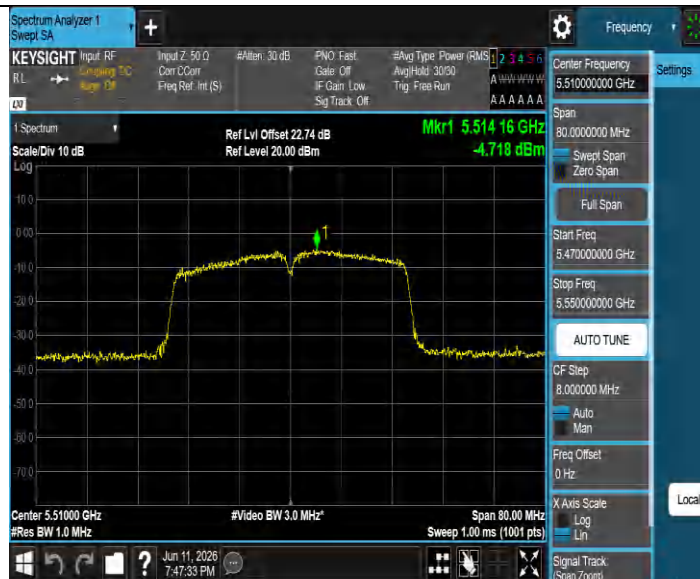
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11N40MIMO_Ant2_5310



11N40MIMO_Ant1_5510



11N40MIMO_Ant2_5510

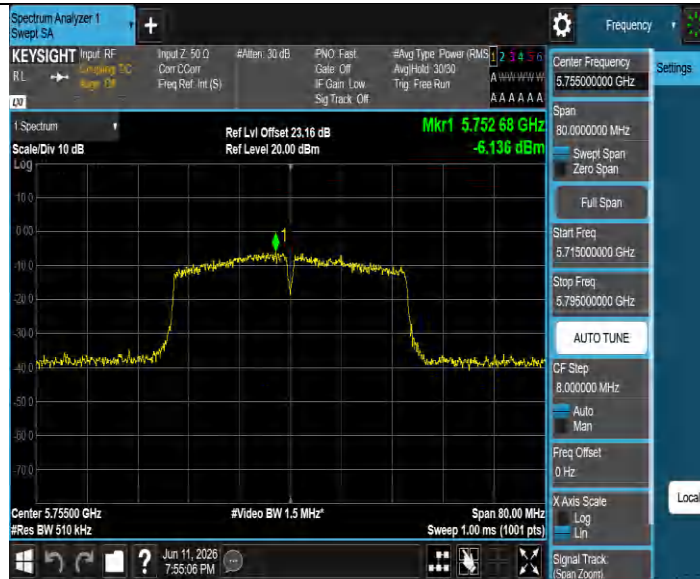


11N40MIMO_Ant1_5550



11N40MIMO_Ant2_5550





11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795





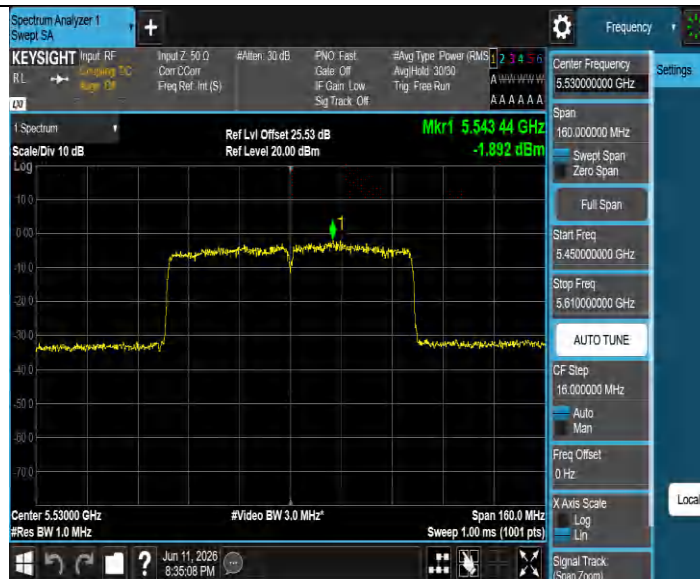
11AC80MIMO_Ant2_5290



11AC80MIMO_Ant1_5530



11AC80MIMO_Ant2_5530





11AC80MIMO_Ant2_5775



11AX20MIMO_Ant1_5180



11AX20MIMO_Ant2_5180





11AX20MIMO_Ant2_5240



11AX20MIMO_Ant1_5260



11AX20MIMO_Ant2_5260