

Appendix A: Test Results of 5GHz Wi-Fi

APPENDIX A: TEST RESULTS OF 5GHZ WI-FI.....	1
APPENDIX A.1: TEST RESULTS OF 26DB BANDWIDTH	2
Test Result.....	2
Test Graphs.....	3
APPENDIX A.2: TEST RESULTS OF 99% BANDWIDTH.....	23
Test Result.....	23
Test Graphs.....	25
APPENDIX A.3: TEST RESULTS OF 6DB BANDWIDTH	51
Test Result.....	51
Test Graphs.....	52
APPENDIX A.4: TEST RESULTS OF MAXIMUM OUTPUT POWER.....	59
Test Result.....	59
APPENDIX A.5: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	61
Test Result.....	61
Test Graphs.....	63
APPENDIX A.6: TEST RESULTS OF FREQUENCY STABILITY	89
Test Result.....	89
APPENDIX A.7: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	91
30MHz - 1GHz.....	91
1GHz - 18GHz.....	93
APPENDIX A.8: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS.....	109
Wi-Fi 802.11 a mode.....	109
Wi-Fi 802.11 ac(VHT40) mode	121
Wi-Fi 802.11 ax(HE20) mode	133
APPENDIX A.9: TEST RESULTS OF DYNAMIC FREQUENCY SELECTION (DFS)	145
DFS Detection Thresholds	145
Channel Move Time and Channel Closing Transmission Time	146
Non-Occupancy Period	147
APPENDIX A.10: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS.....	148

Appendix A.1: Test Results of 26dB Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.040	5171.480	5188.520	---	PASS
		5200	17.040	5191.480	5208.520	---	PASS
		5240	17.040	5231.480	5248.520	---	PASS
		5260	17.040	5251.480	5268.520	---	PASS
		5280	17.040	5271.480	5288.520	---	PASS
		5320	17.040	5311.480	5328.520	---	PASS
		5500	17.000	5491.480	5508.480	---	PASS
		5580	17.040	5571.480	5588.520	---	PASS
11N20SISO	Ant1	5700	17.080	5691.440	5708.520	---	PASS
		5180	18.280	5170.880	5189.160	---	PASS
		5200	18.280	5190.840	5209.120	---	PASS
		5240	18.280	5230.840	5249.120	---	PASS
		5260	18.240	5250.880	5269.120	---	PASS
		5280	18.240	5270.880	5289.120	---	PASS
		5320	18.320	5310.840	5329.160	---	PASS
		5500	18.360	5490.840	5509.200	---	PASS
11N40SISO	Ant1	5580	18.320	5570.840	5589.160	---	PASS
		5700	18.280	5690.840	5709.120	---	PASS
		5190	37.600	5171.200	5208.800	---	PASS
		5230	37.600	5211.200	5248.800	---	PASS
		5270	37.600	5251.200	5288.800	---	PASS
		5310	37.600	5291.200	5328.800	---	PASS
		5510	37.600	5491.200	5528.800	---	PASS
		5550	37.600	5531.200	5568.800	---	PASS
11AC20SISO	Ant1	5670	37.600	5651.200	5688.800	---	PASS
		5180	18.280	5170.880	5189.160	---	PASS
		5200	18.280	5190.840	5209.120	---	PASS
		5240	18.280	5230.840	5249.120	---	PASS
		5260	18.240	5250.880	5269.120	---	PASS
		5280	18.280	5270.840	5289.120	---	PASS
		5320	18.280	5310.880	5329.160	---	PASS
		5500	18.240	5490.880	5509.120	---	PASS
11AC40SISO	Ant1	5580	18.320	5570.840	5589.160	---	PASS
		5700	18.280	5690.840	5709.120	---	PASS
		5190	37.600	5171.200	5208.800	---	PASS
		5230	37.520	5211.280	5248.800	---	PASS
		5270	37.600	5251.200	5288.800	---	PASS
		5310	37.520	5291.280	5328.800	---	PASS
		5510	37.600	5491.200	5528.800	---	PASS
		5550	37.600	5531.200	5568.800	---	PASS
11AX20SISO	Ant1	5670	39.200	5649.600	5688.800	---	PASS
		5180	19.720	5170.160	5189.880	---	PASS
		5200	19.680	5190.160	5209.840	---	PASS
		5240	19.680	5230.160	5249.840	---	PASS
		5260	19.720	5250.120	5269.840	---	PASS
		5280	19.760	5270.160	5289.920	---	PASS
		5320	19.960	5310.080	5330.040	---	PASS
		5500	19.720	5490.120	5509.840	---	PASS
11AX40SISO	Ant1	5580	19.680	5570.160	5589.840	---	PASS
		5700	19.680	5690.160	5709.840	---	PASS
		5190	39.200	5170.400	5209.600	---	PASS
		5230	39.200	5210.400	5249.600	---	PASS
		5270	39.200	5250.400	5289.600	---	PASS
		5310	39.200	5290.400	5329.600	---	PASS
		5510	39.360	5490.320	5529.680	---	PASS
		5550	39.280	5530.400	5569.680	---	PASS
11AX40SISO	Ant1	5670	39.280	5650.320	5689.600	---	PASS

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240















11N40SISO Ant1 5310



11N40SISO Ant1 5510



11N40SISO Ant1 5550



11N40SISO Ant1 5670



11AC20SISO Ant1 5180



11AC20SISO Ant1 5200





11AC20SISO Ant1 5320



11AC20SISO Ant1 5500



11AC20SISO Ant1 5580



11AC40SISO Ant1 5230

















Appendix A.2: Test Results of 99% Bandwidth

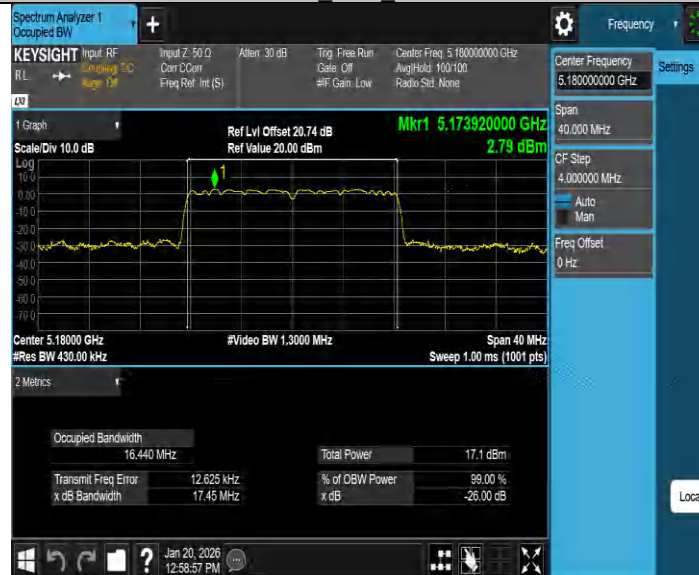
Test Result

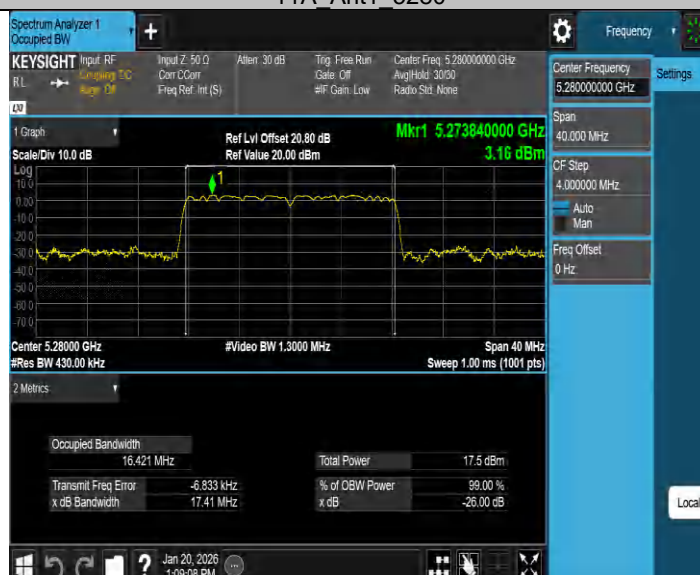
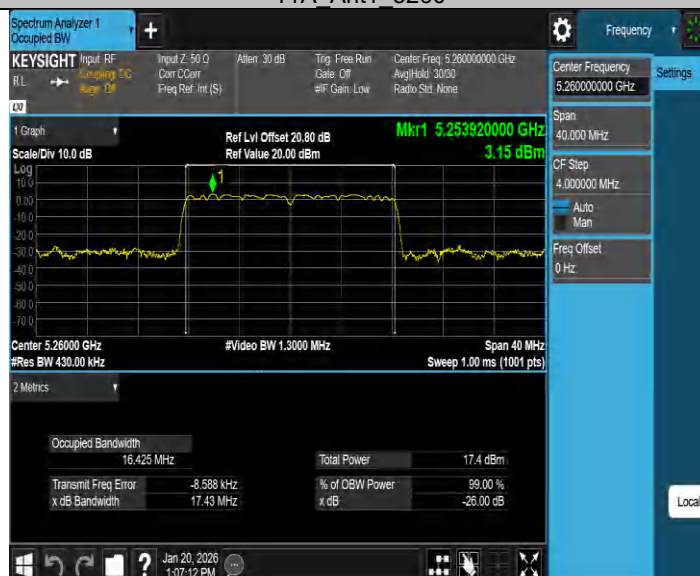
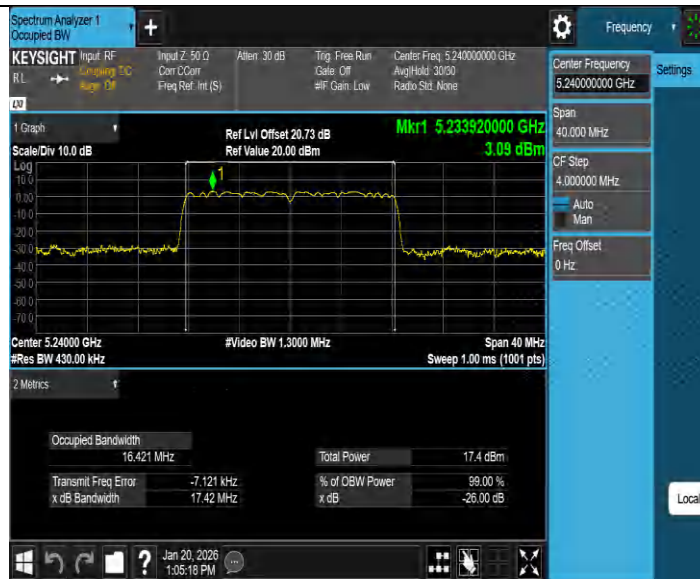
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.440	5171.7926	5188.2326	---	PASS
		5200	16.423	5191.7790	5208.2020	---	PASS
		5240	16.421	5231.7824	5248.2034	---	PASS
		5260	16.425	5251.7789	5268.2039	---	PASS
		5280	16.421	5271.7827	5288.2037	---	PASS
		5320	16.431	5311.7809	5328.2119	---	PASS
		5500	16.421	5491.7807	5508.2017	---	PASS
		5580	16.421	5571.7754	5588.1964	---	PASS
		5700	16.476	5691.7484	5708.2244	---	PASS
		5745	16.454	5736.7518	5753.2058	---	PASS
		5785	16.452	5776.7568	5793.2088	---	PASS
		5825	16.458	5816.7562	5833.2142	---	PASS
11N20SISO	Ant1	5180	17.664	5171.1704	5188.8344	---	PASS
		5200	17.658	5191.1648	5208.8228	---	PASS
		5240	17.654	5231.1631	5248.8171	---	PASS
		5260	17.658	5251.1630	5268.8210	---	PASS
		5280	17.653	5271.1673	5288.8203	---	PASS
		5320	17.670	5311.1611	5328.8311	---	PASS
		5500	17.756	5491.1156	5508.8716	---	PASS
		5580	17.664	5571.1584	5588.8224	---	PASS
		5700	17.677	5691.1397	5708.8167	---	PASS
		5745	17.688	5736.1347	5753.8227	---	PASS
		5785	17.708	5776.1234	5793.8314	---	PASS
		5825	17.729	5816.1192	5833.8482	---	PASS
11N40SISO	Ant1	5190	36.273	5171.8233	5208.0963	---	PASS
		5230	36.271	5211.8104	5248.0814	---	PASS
		5270	36.278	5251.8014	5288.0794	---	PASS
		5310	36.311	5291.7892	5328.1002	---	PASS
		5510	36.295	5491.8116	5528.1066	---	PASS
		5550	36.294	5531.8120	5568.1060	---	PASS
		5670	36.318	5651.7602	5688.0782	---	PASS
		5755	36.435	5736.7074	5773.1424	---	PASS
		5795	36.591	5776.6479	5813.2389	---	PASS
11AC20SISO	Ant1	5180	17.668	5171.1697	5188.8377	---	PASS
		5200	17.665	5191.1631	5208.8281	---	PASS
		5240	17.663	5231.1621	5248.8251	---	PASS
		5260	17.663	5251.1610	5268.8240	---	PASS
		5280	17.660	5271.1632	5288.8232	---	PASS
		5320	17.660	5311.1669	5328.8269	---	PASS
		5500	17.662	5491.1633	5508.8253	---	PASS
		5580	17.674	5571.1512	5588.8252	---	PASS
		5700	17.675	5691.1400	5708.8150	---	PASS
		5745	17.704	5736.1247	5753.8287	---	PASS
		5785	17.757	5776.1097	5793.8667	---	PASS
		5825	17.794	5816.1002	5833.8942	---	PASS
11AC40SISO	Ant1	5190	36.298	5171.8147	5208.1127	---	PASS
		5230	36.280	5211.8045	5248.0845	---	PASS
		5270	36.279	5251.8086	5288.0876	---	PASS
		5310	36.291	5291.8006	5328.0916	---	PASS
		5510	36.296	5491.8106	5528.1066	---	PASS
		5550	36.290	5531.8078	5568.0978	---	PASS
		5670	36.321	5651.7596	5688.0806	---	PASS
		5755	36.445	5736.7035	5773.1485	---	PASS
		5795	36.580	5776.6604	5813.2404	---	PASS
11AX20SISO	Ant1	5180	19.117	5170.4464	5189.5634	---	PASS
		5200	19.111	5190.4408	5209.5518	---	PASS
		5240	19.116	5230.4312	5249.5472	---	PASS

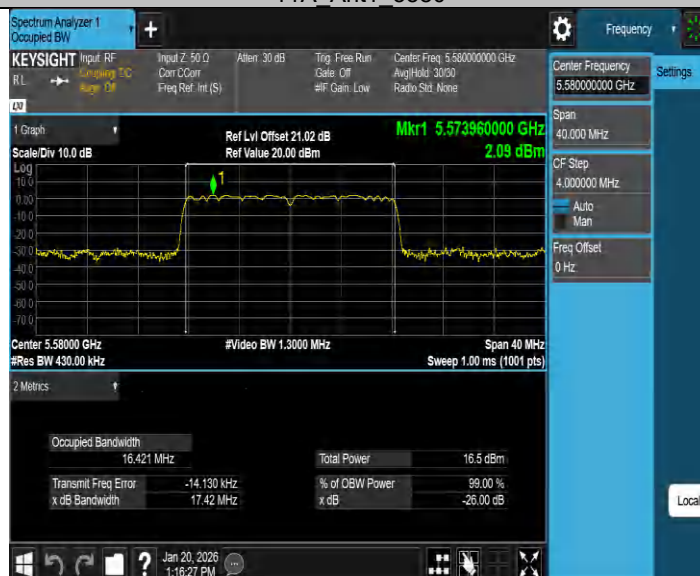
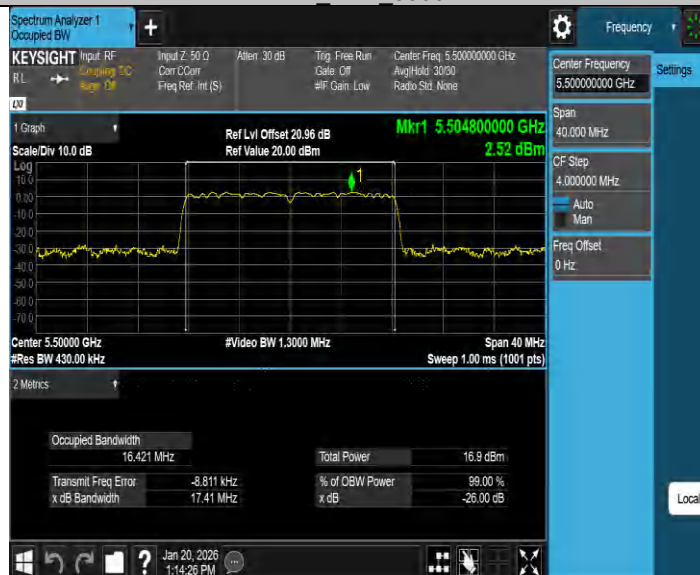
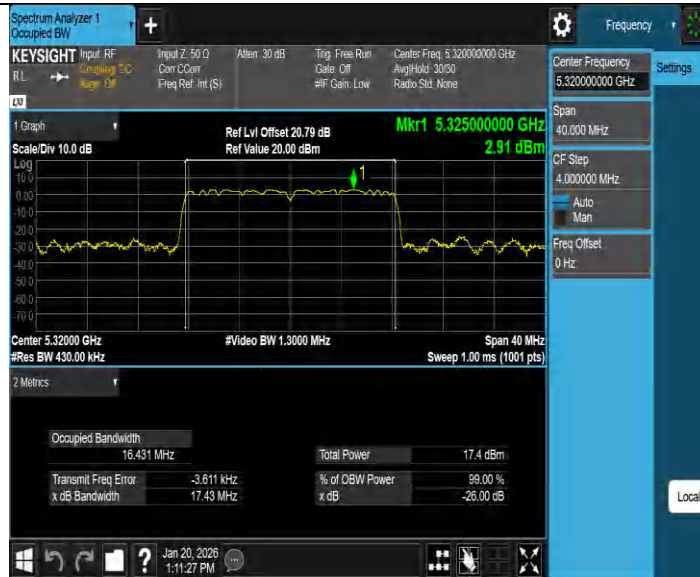
		5260	19.124	5250.4257	5269.5497	---	PASS
		5280	19.125	5270.4283	5289.5533	---	PASS
		5320	19.136	5310.4292	5329.5652	---	PASS
		5500	19.106	5490.4480	5509.5540	---	PASS
		5580	19.107	5570.4425	5589.5495	---	PASS
		5700	19.109	5690.4261	5709.5351	---	PASS
		5745	19.117	5735.4240	5754.5410	---	PASS
		5785	19.130	5775.4132	5794.5432	---	PASS
11AX40SISO	Ant1	5825	19.155	5815.4045	5834.5595	---	PASS
		5190	37.887	5171.0440	5208.9310	---	PASS
		5230	37.899	5211.0330	5248.9320	---	PASS
		5270	37.883	5251.0273	5288.9103	---	PASS
		5310	37.897	5291.0290	5328.9260	---	PASS
		5510	37.937	5491.0187	5528.9557	---	PASS
		5550	37.945	5531.0120	5568.9570	---	PASS
		5670	37.943	5650.9706	5688.9136	---	PASS
		5755	37.965	5735.9336	5773.8986	---	PASS
		5795	38.068	5775.8954	5813.9634	---	PASS

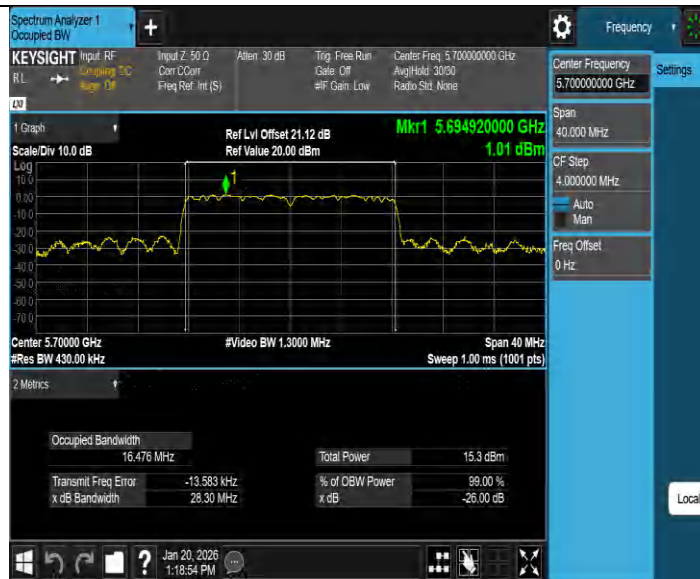
Test Graphs

11A_Ant1_5180

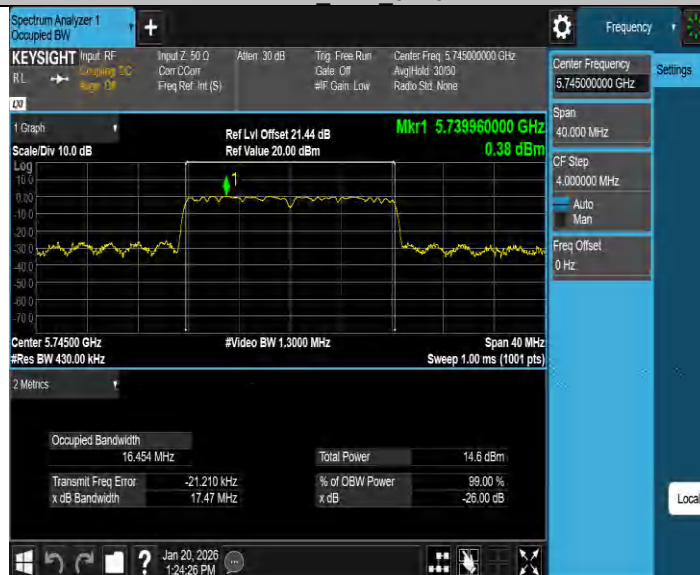




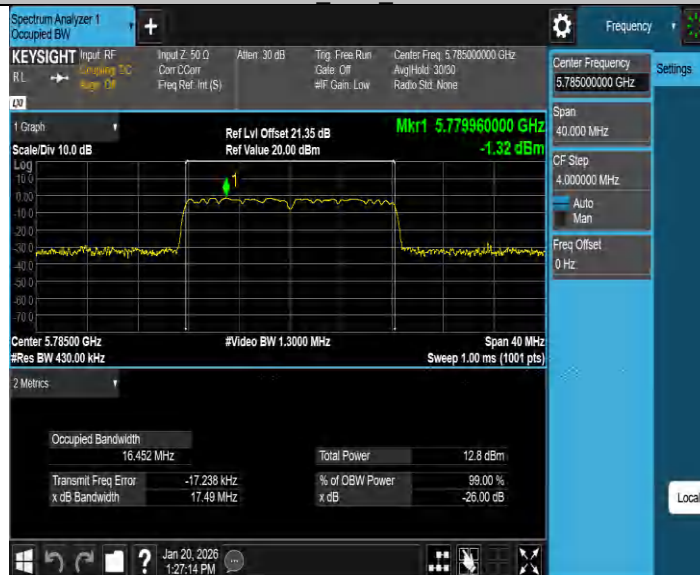




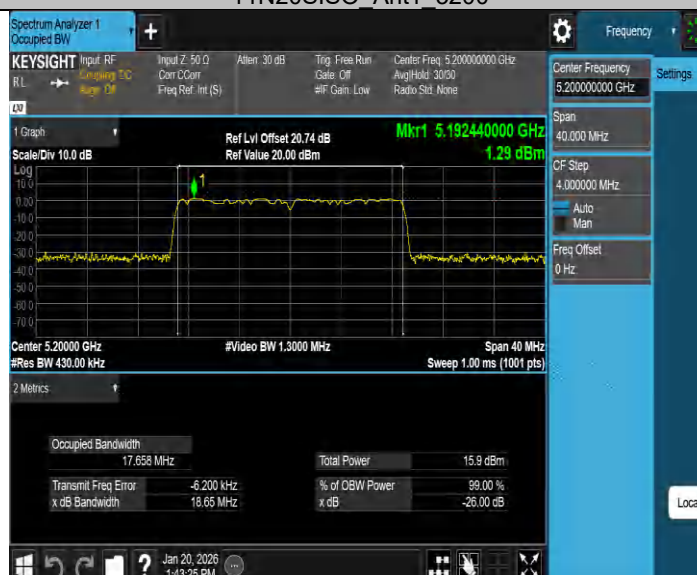
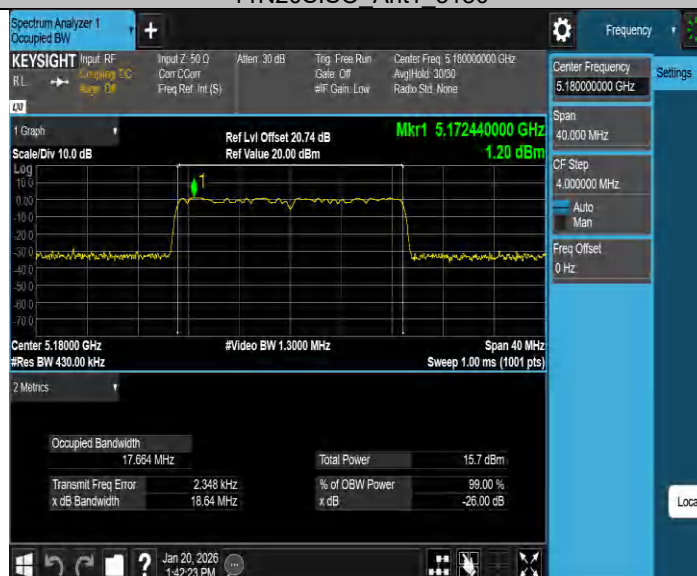
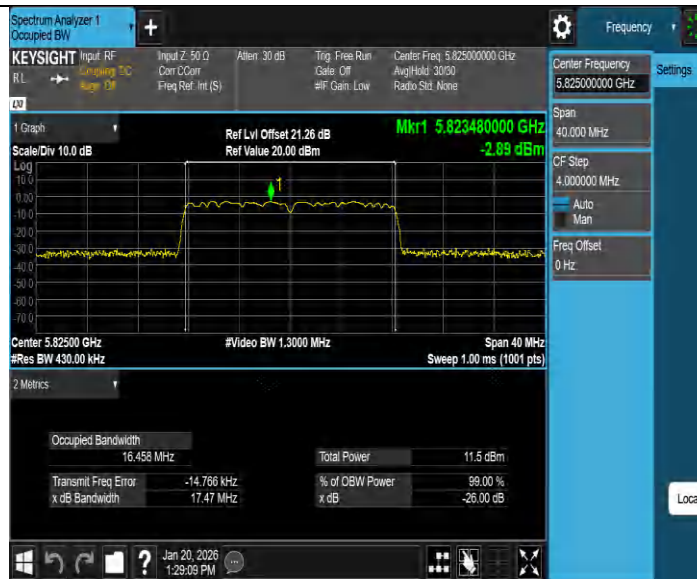
11A Ant1 5745

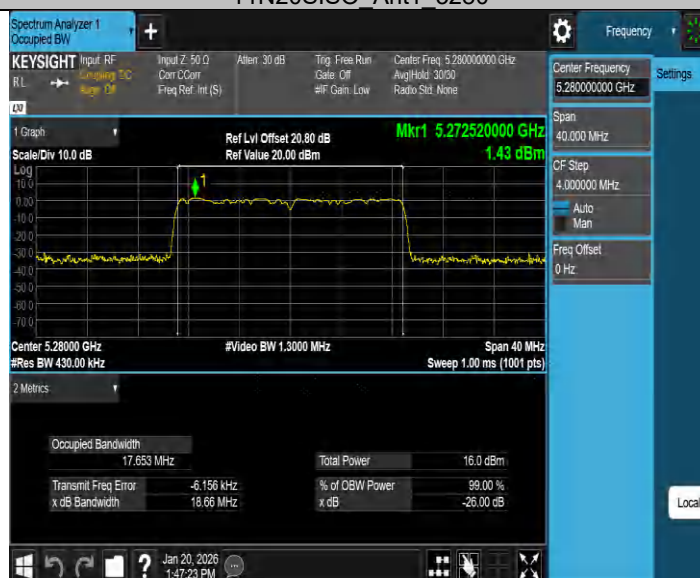
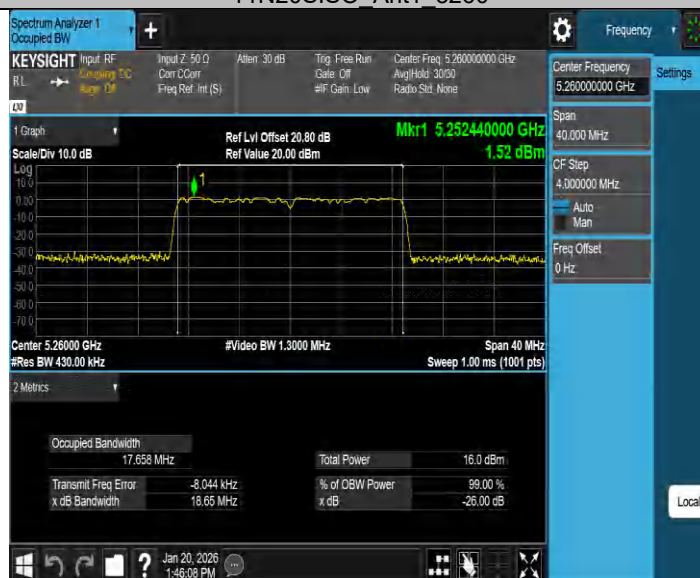
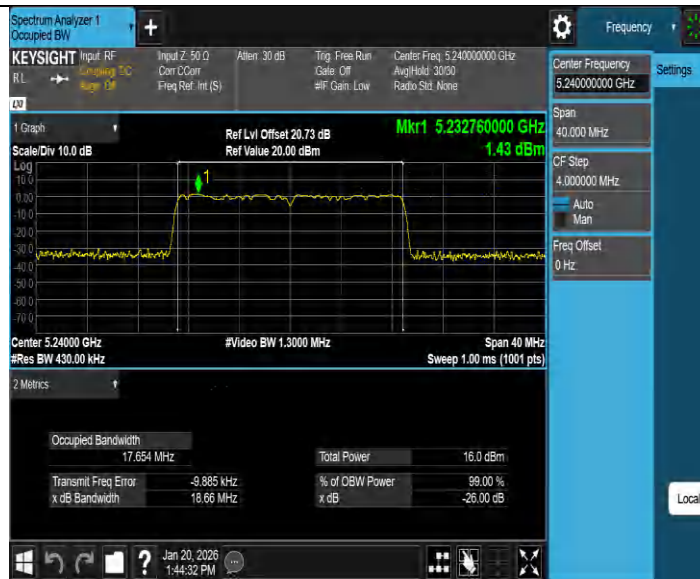


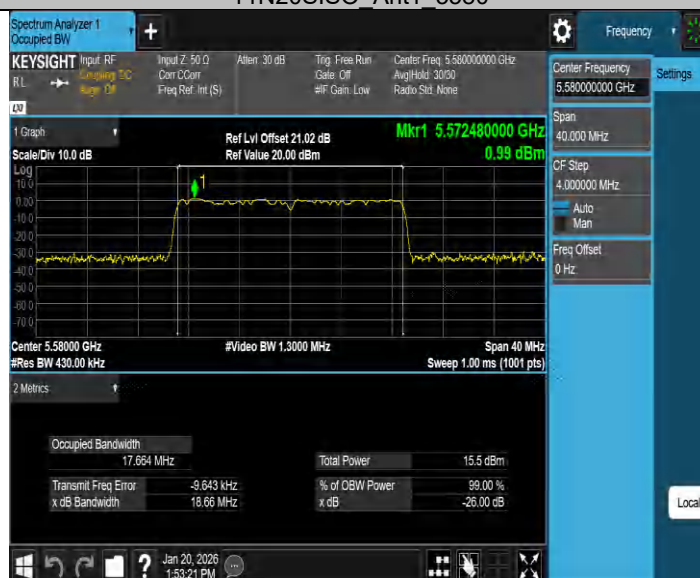
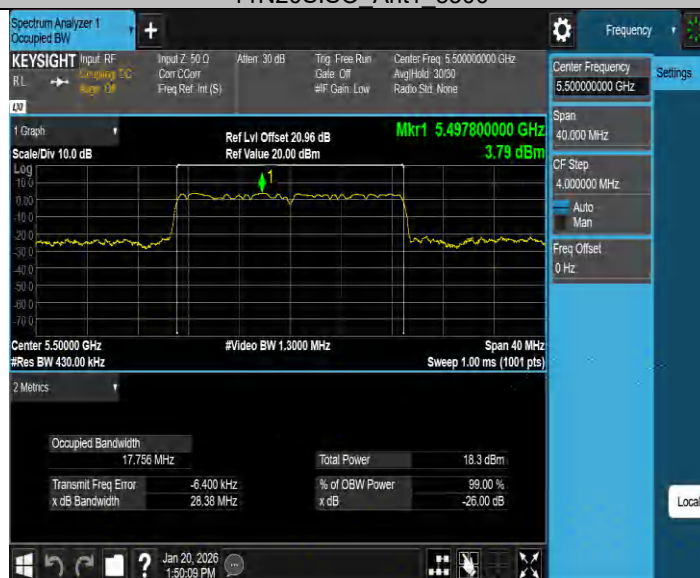
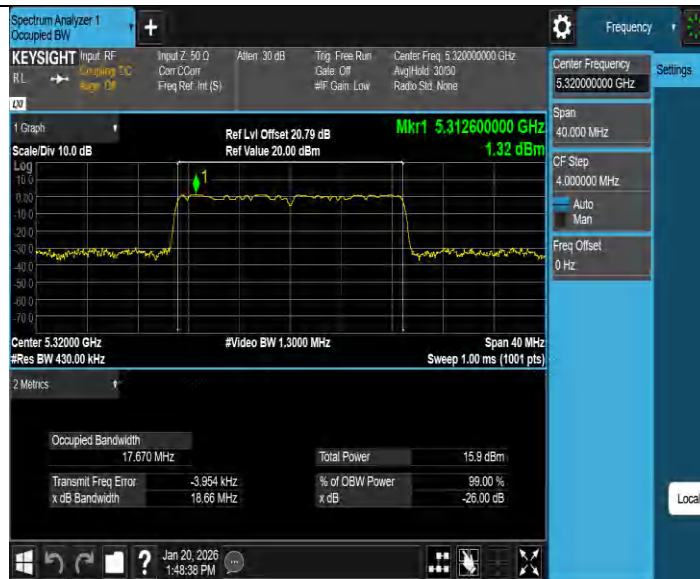
11A Ant1 5785



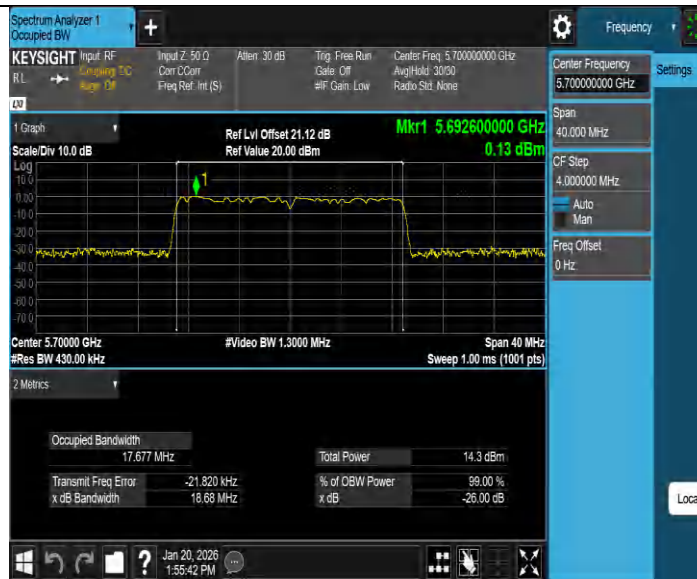
11A Ant1 5825



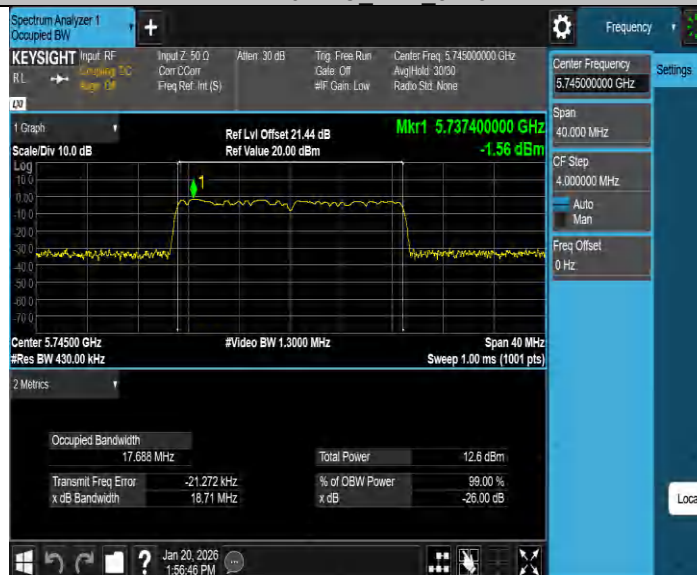




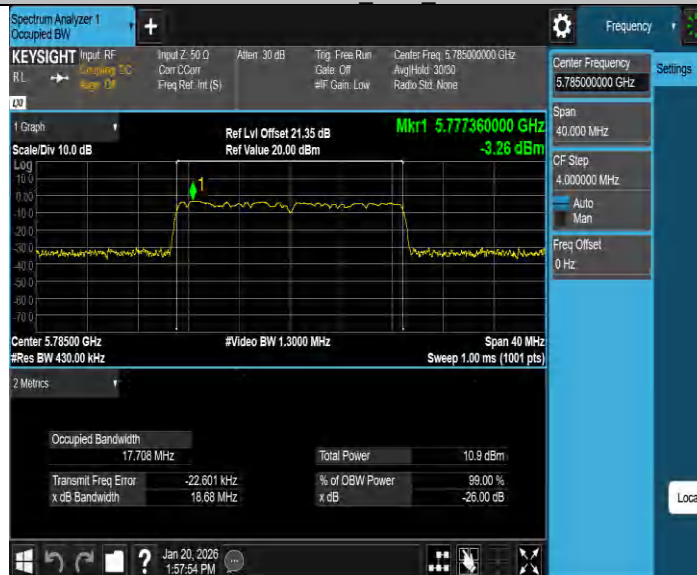
11N20SISO Ant1 5700



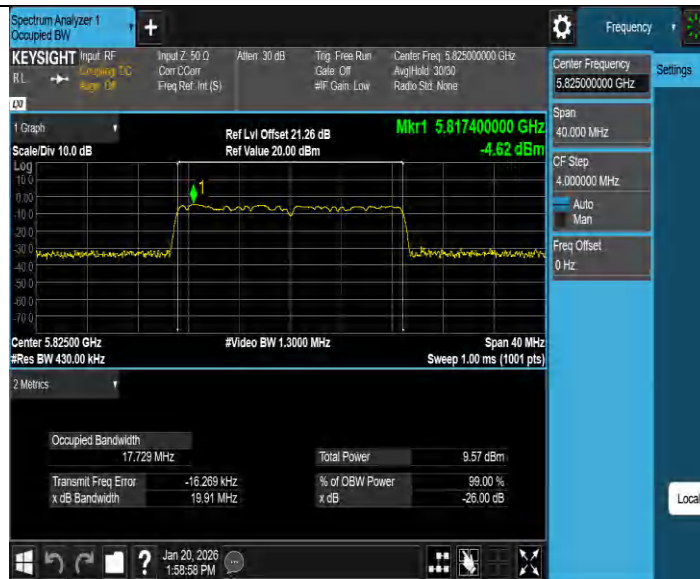
11N20SISO Ant1 5745



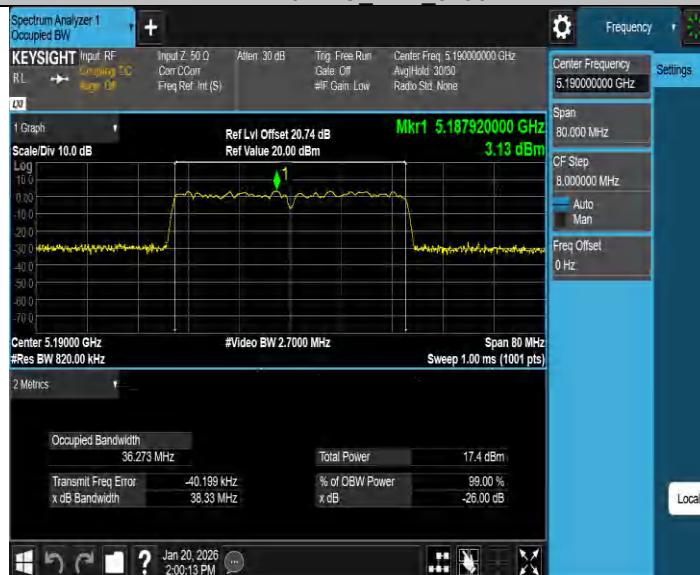
11N20SISO Ant1 5785



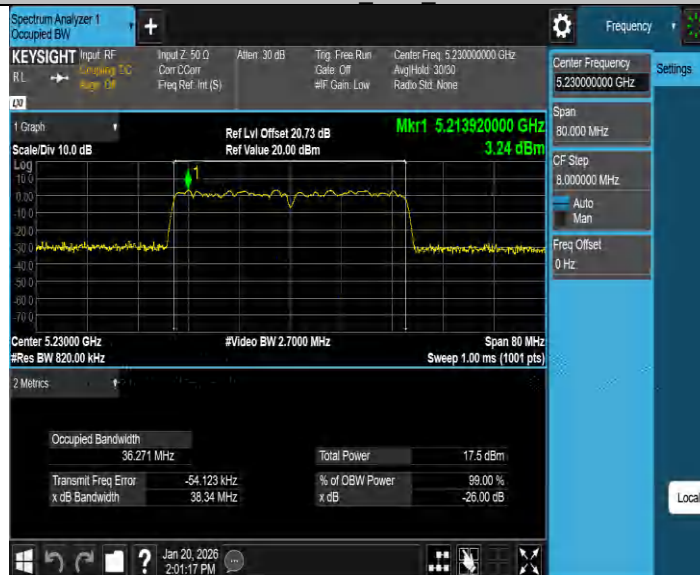
11N20SISO Ant1 5825



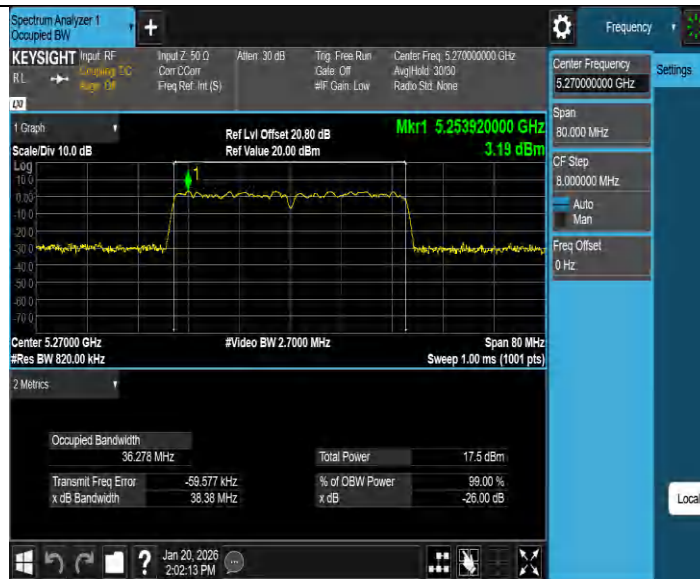
11N40SISO Ant1 5190



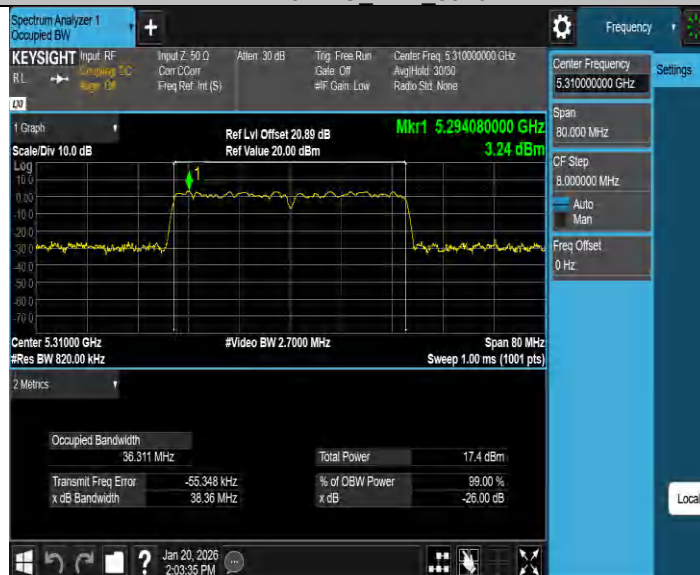
11N40SISO Ant1 5230



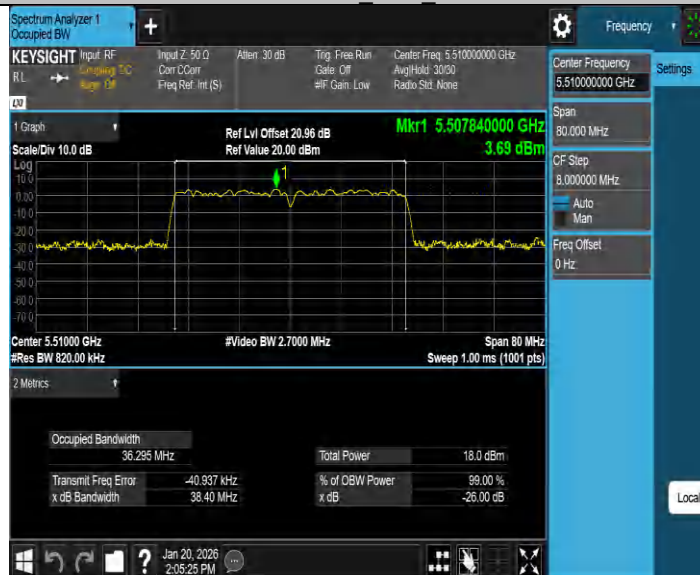
11N40SISO Ant1 5270



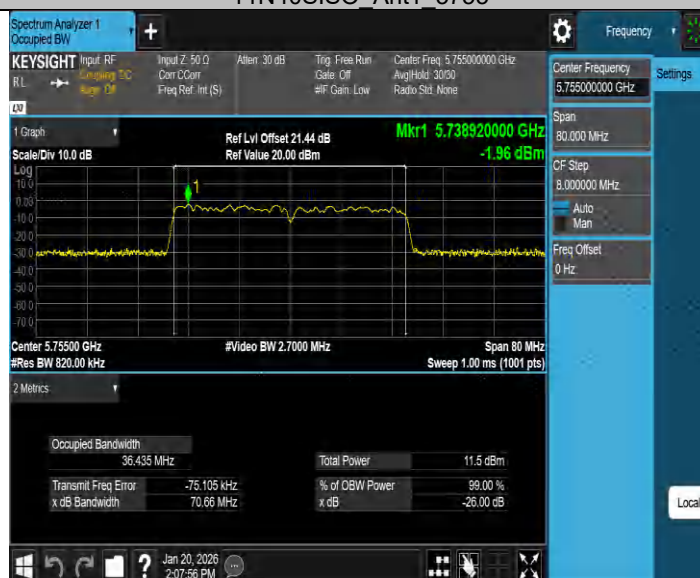
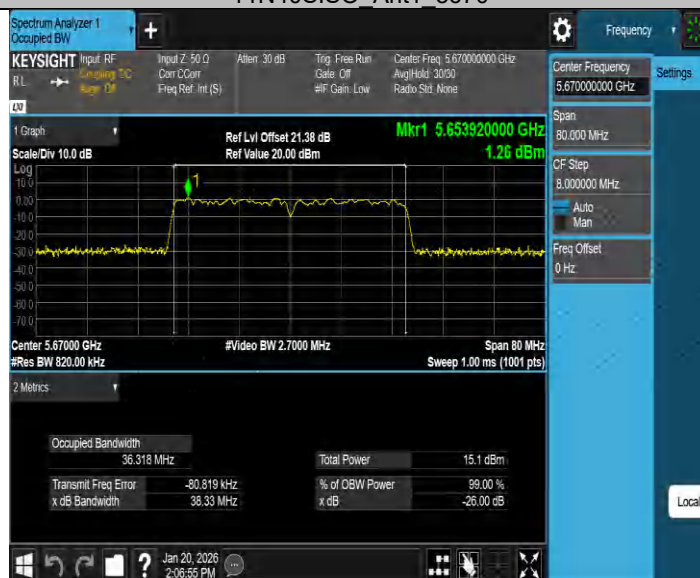
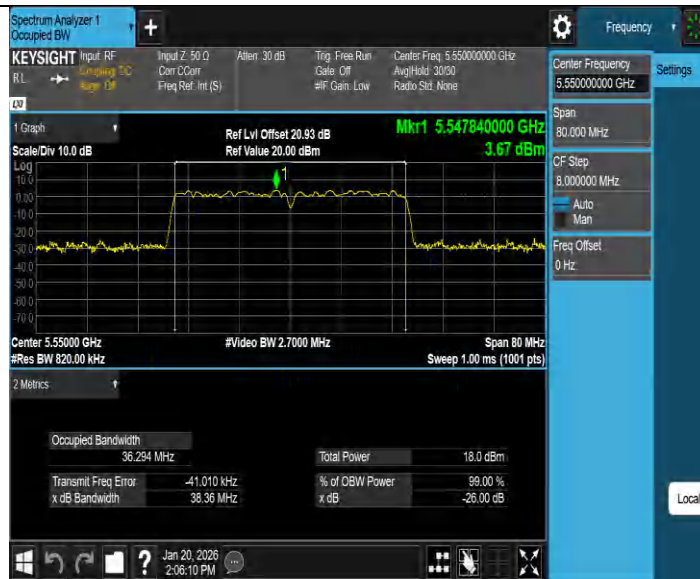
11N40SISO Ant1 5310



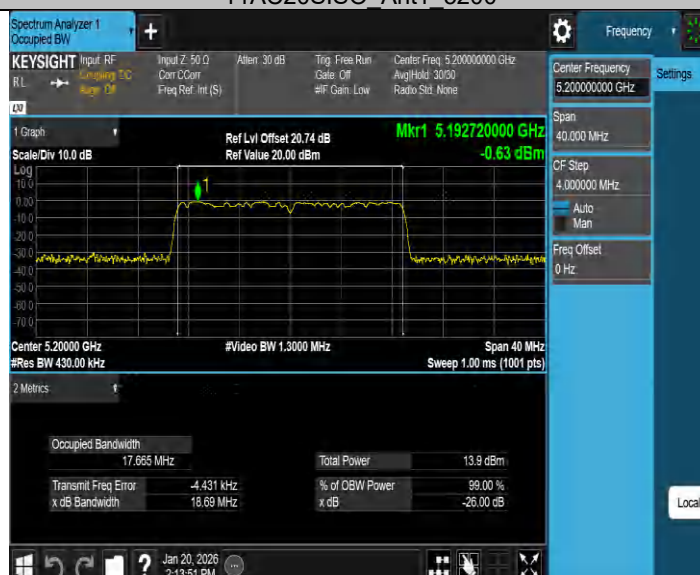
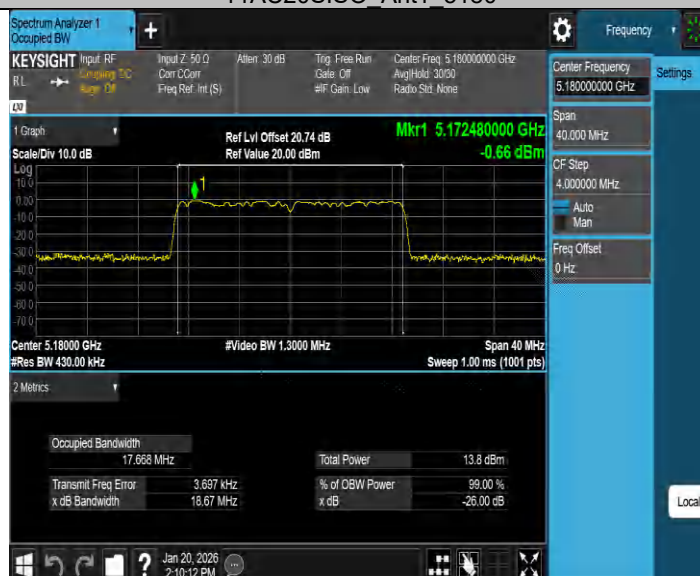
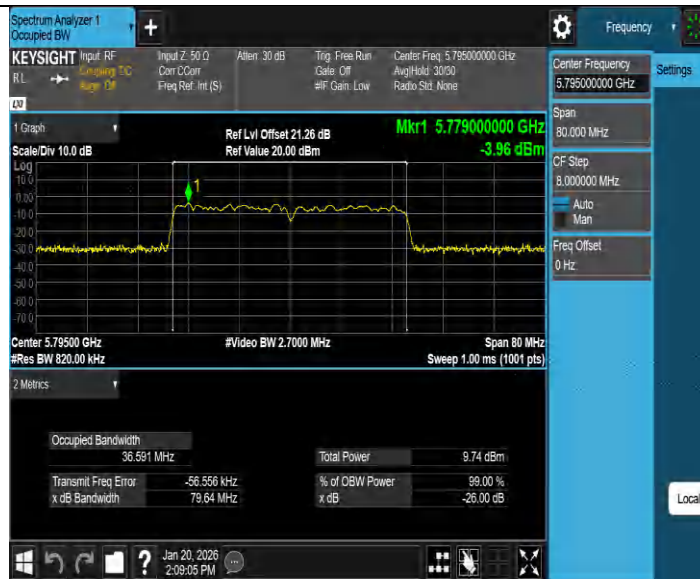
11N40SISO Ant1 5510

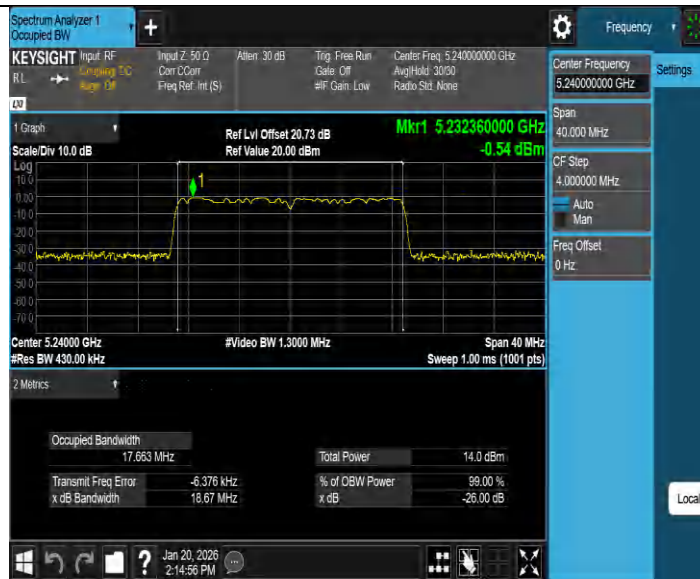


11N40SISO Ant1 5550

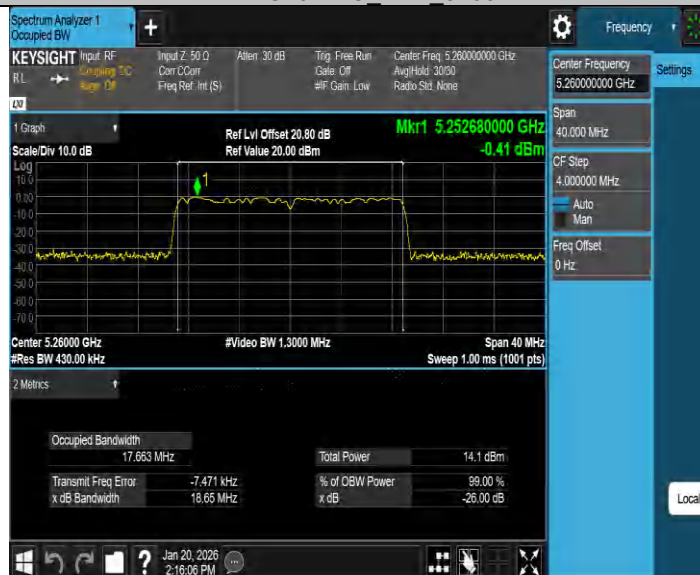


11N40SISO Ant1 5795

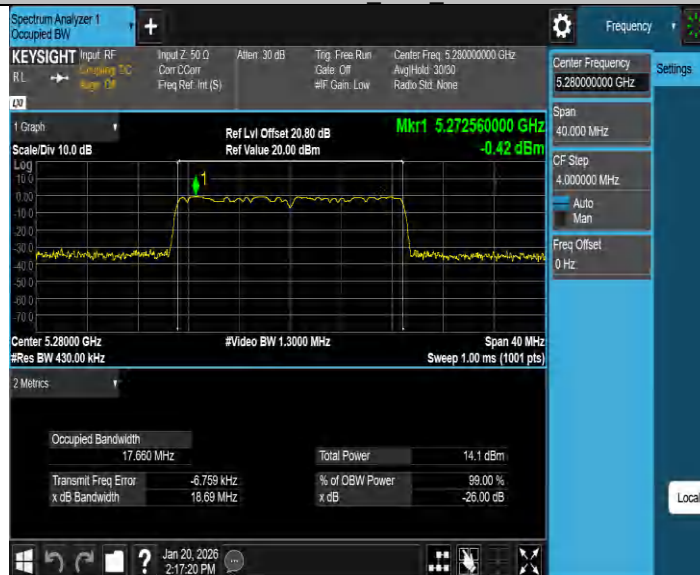




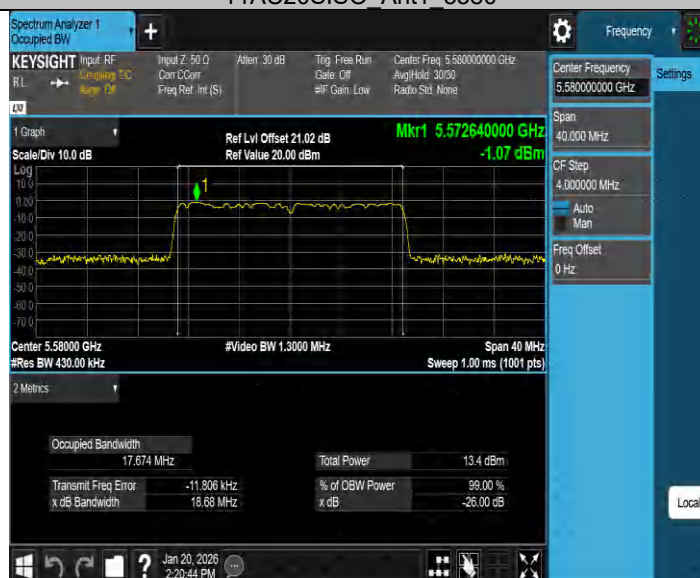
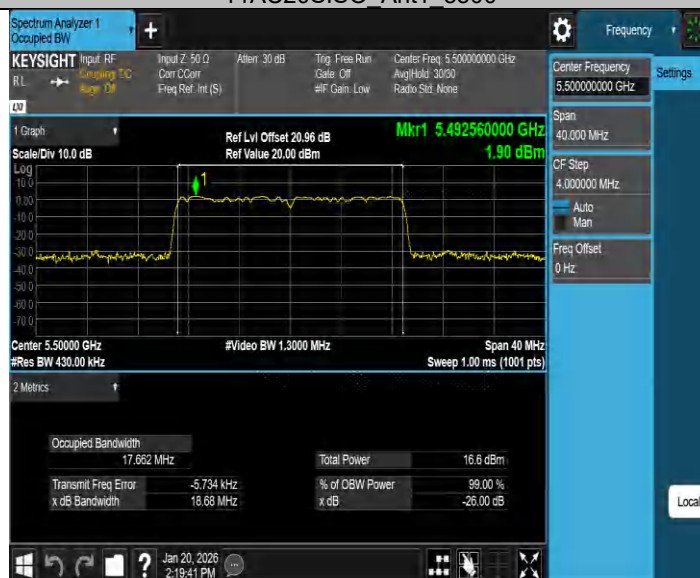
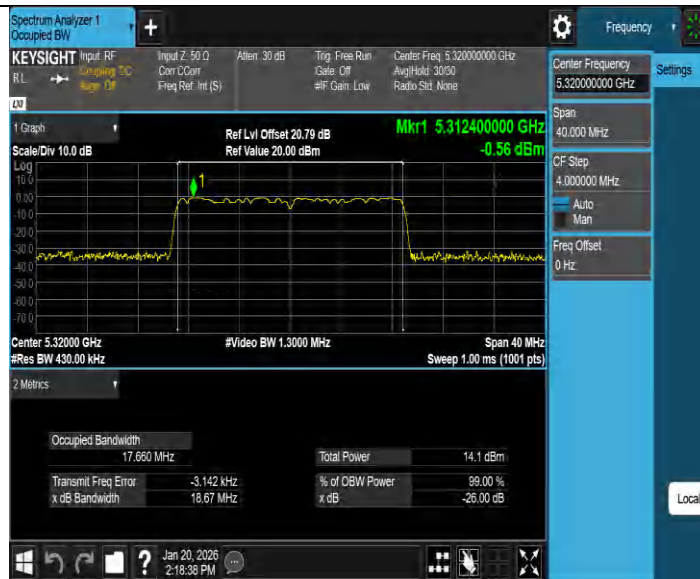
11AC20SISO Ant1 5260

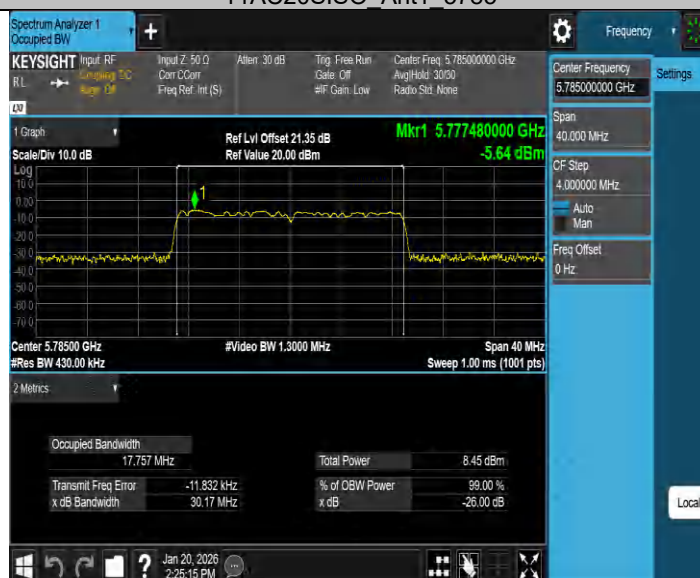
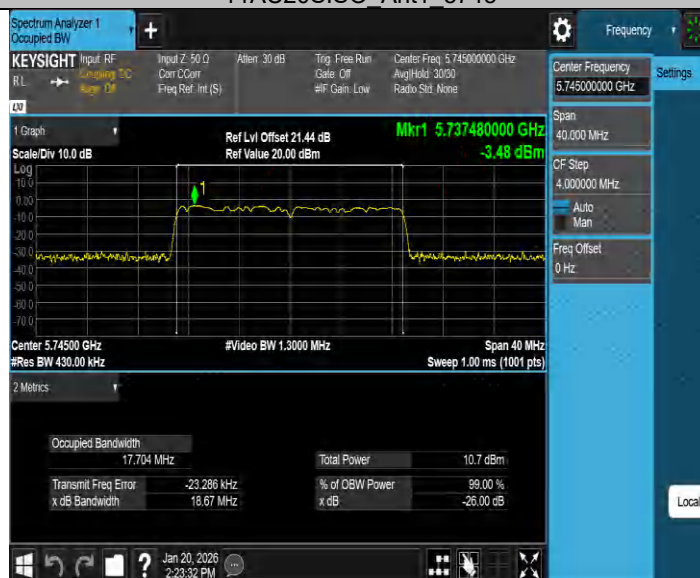
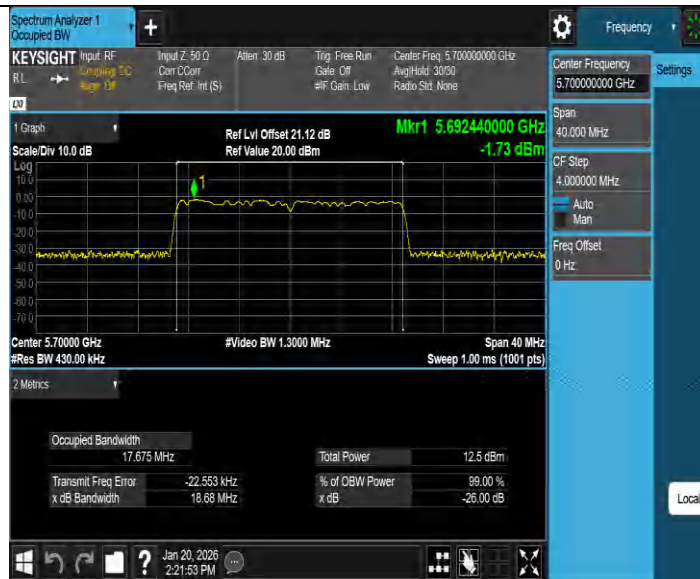


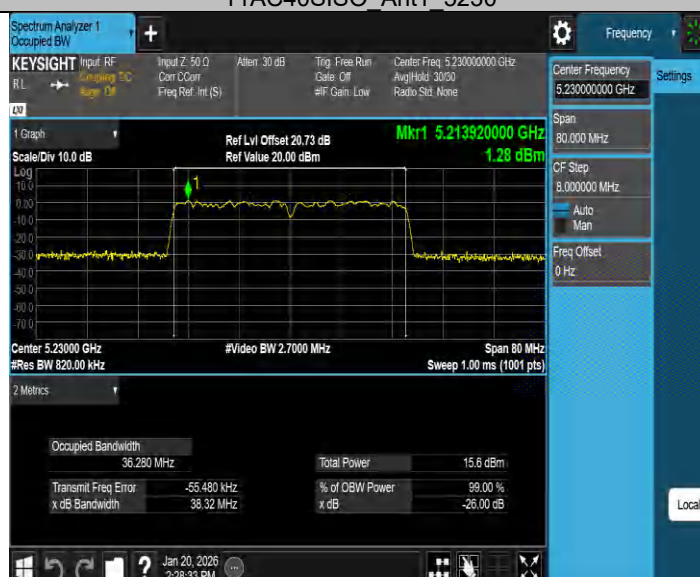
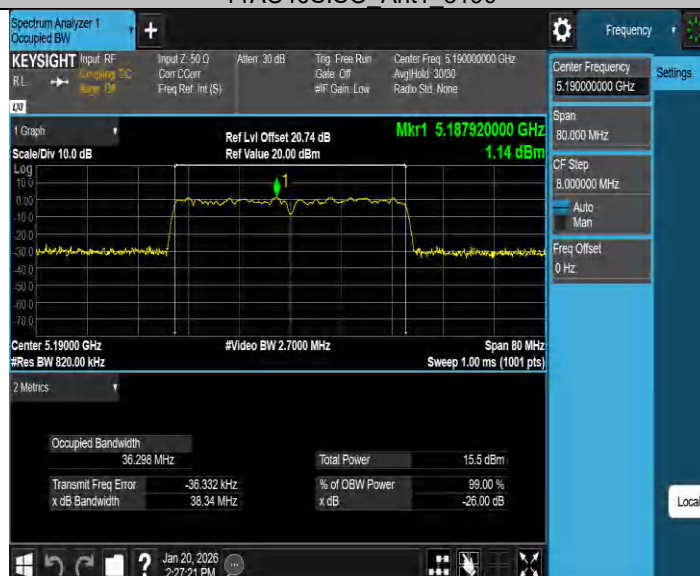
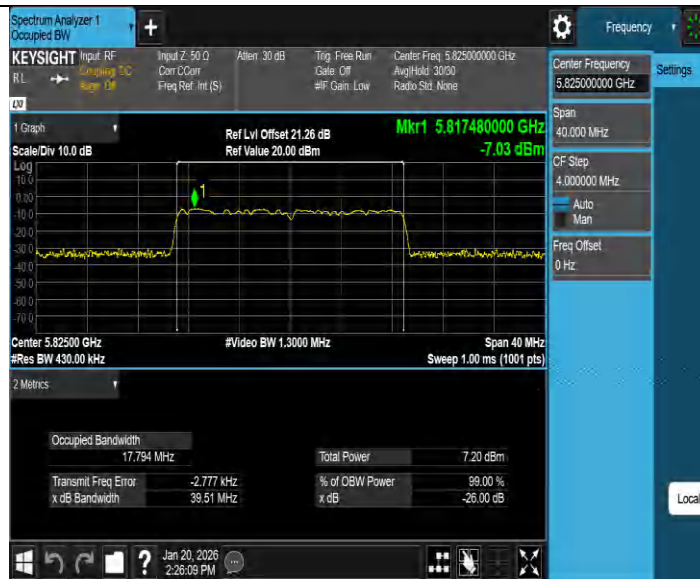
11AC20SISO Ant1 5280

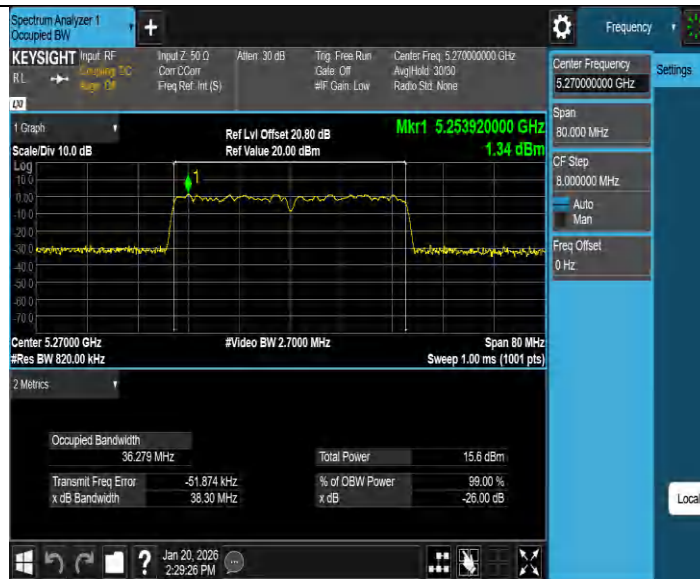


11AC20SISO Ant1 5320

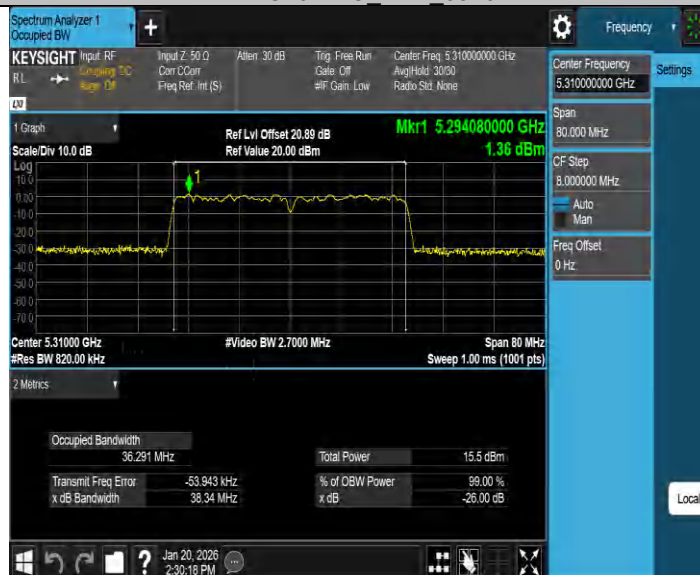




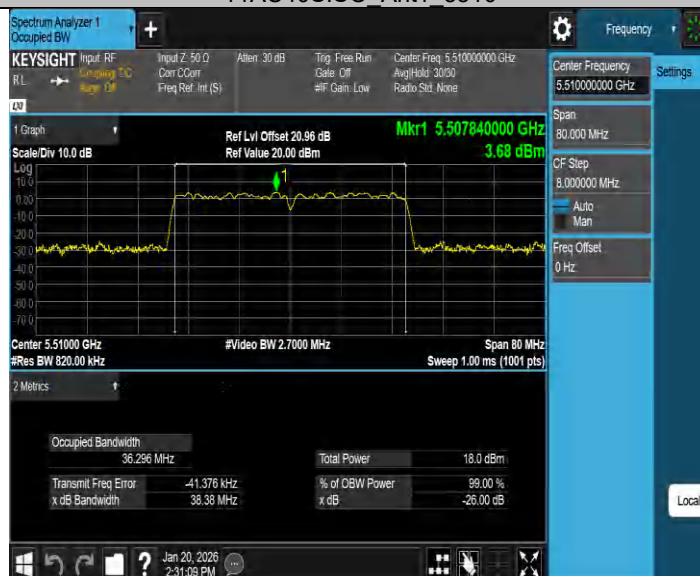




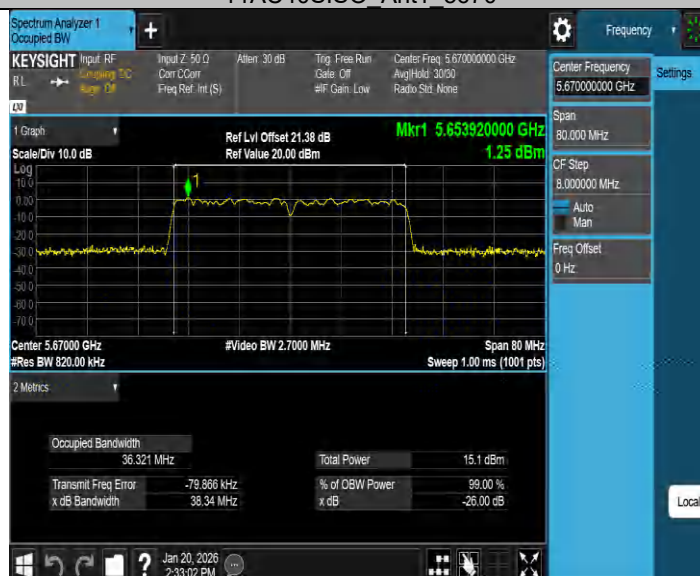
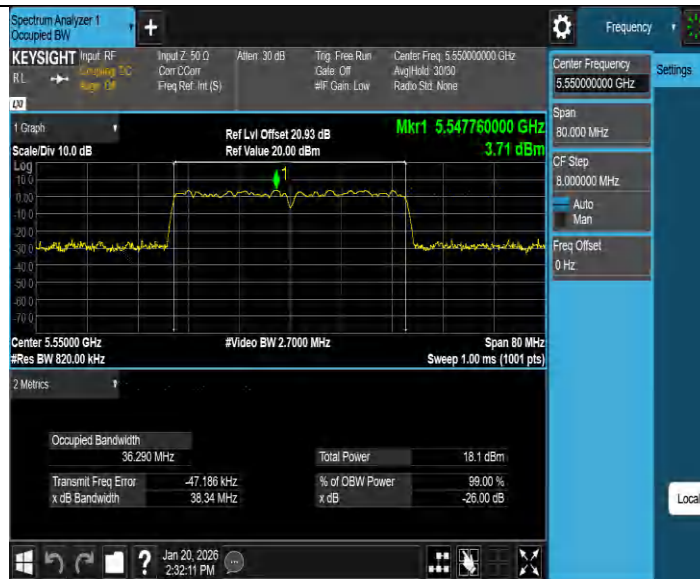
11AC40SISO_Ant1_5310

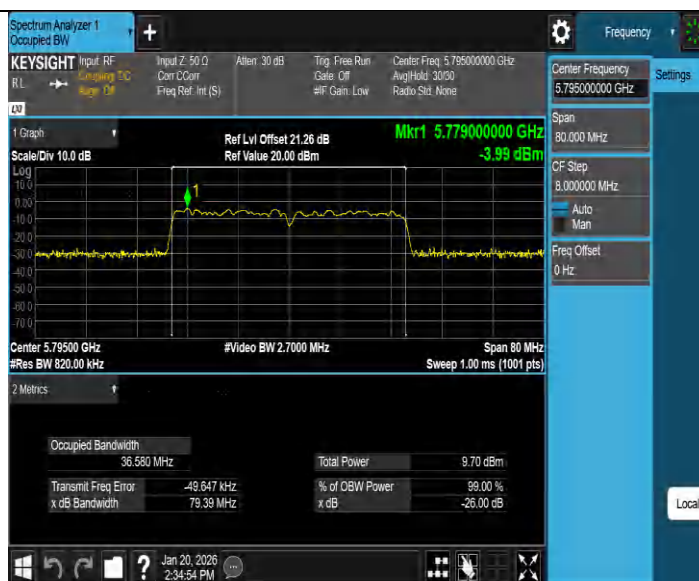


11AC40SISO_Ant1_5510

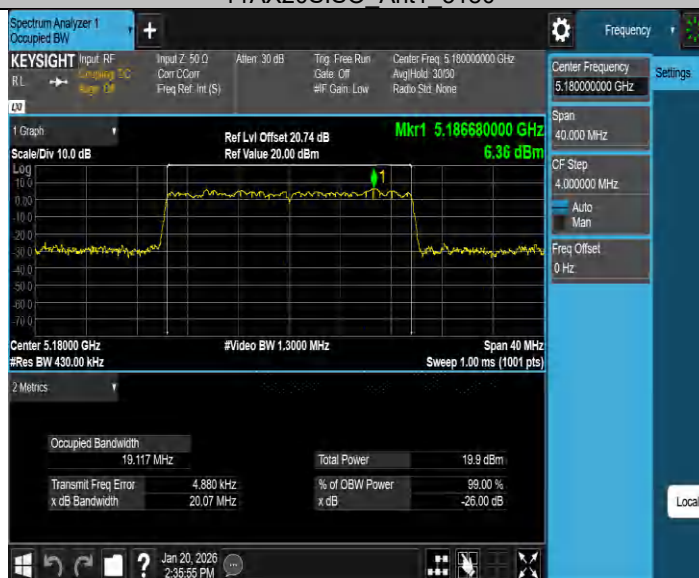


11AC40SISO_Ant1_5550





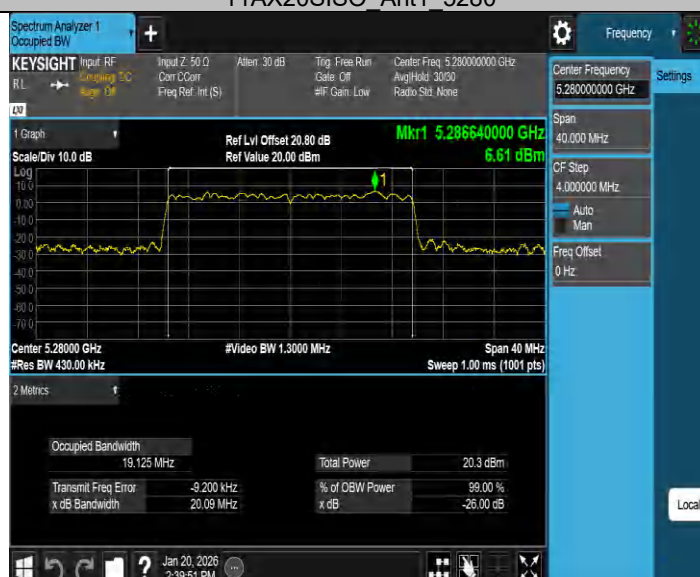
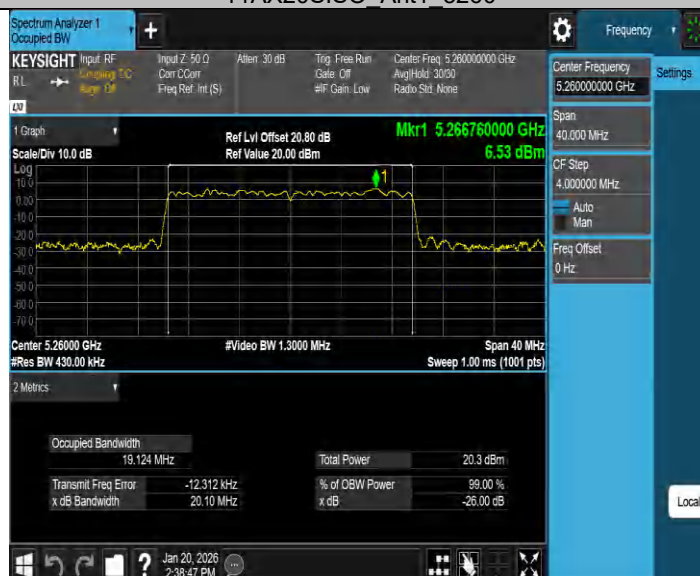
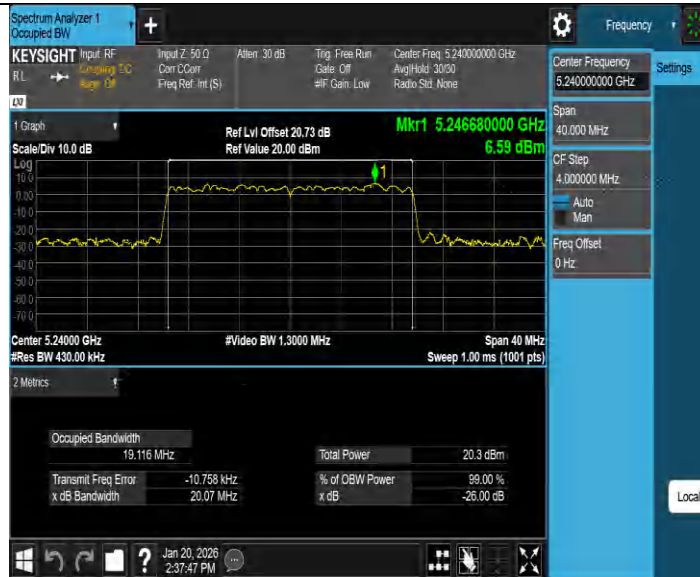
11AX20SISO Ant1 5180

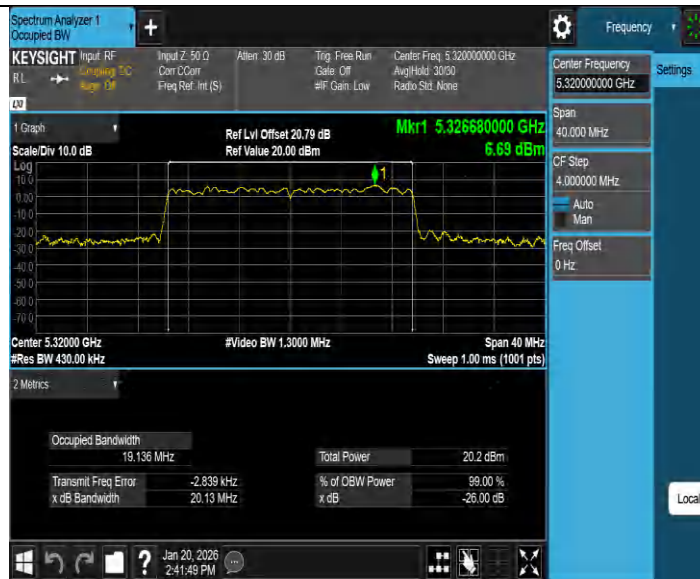


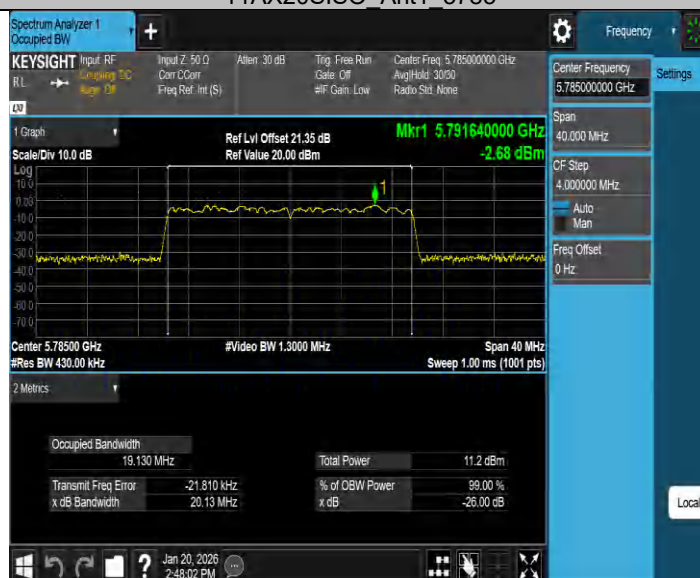
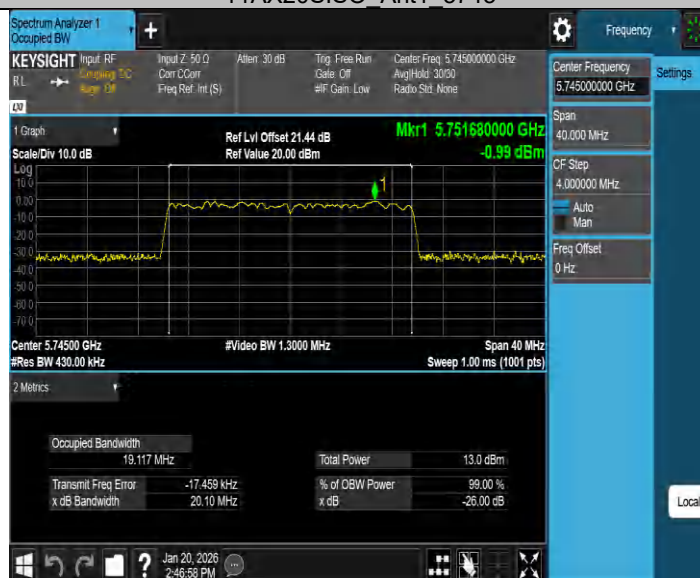
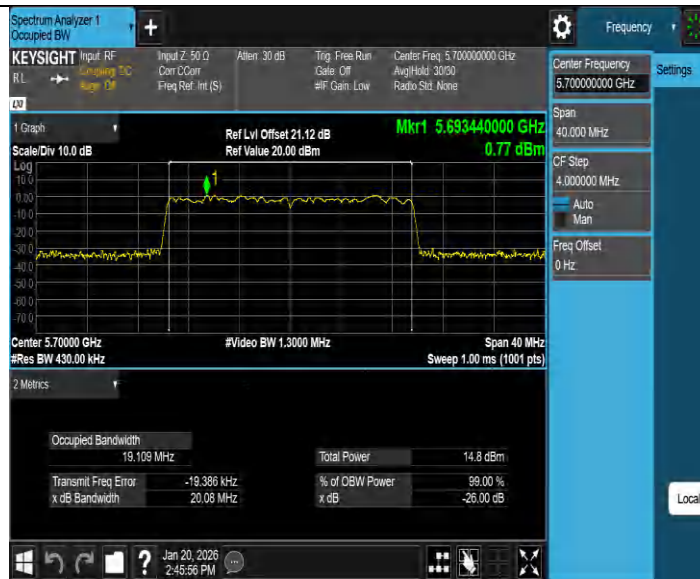
11AX20SISO Ant1 5200



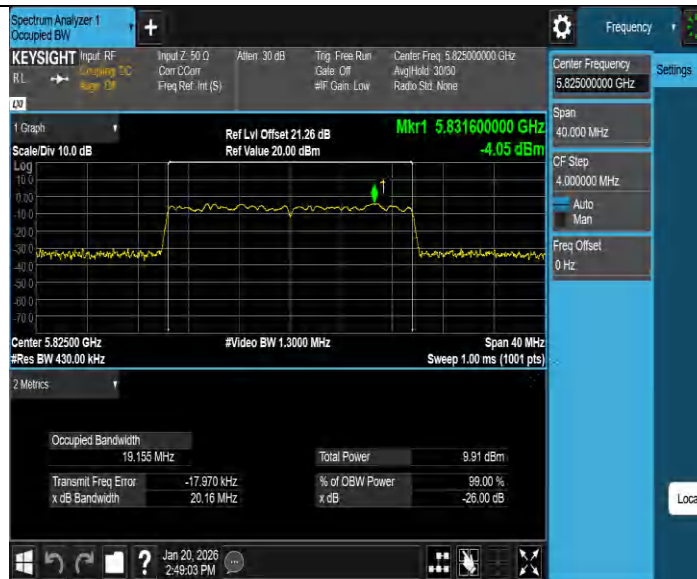
11AX20SISO Ant1 5240

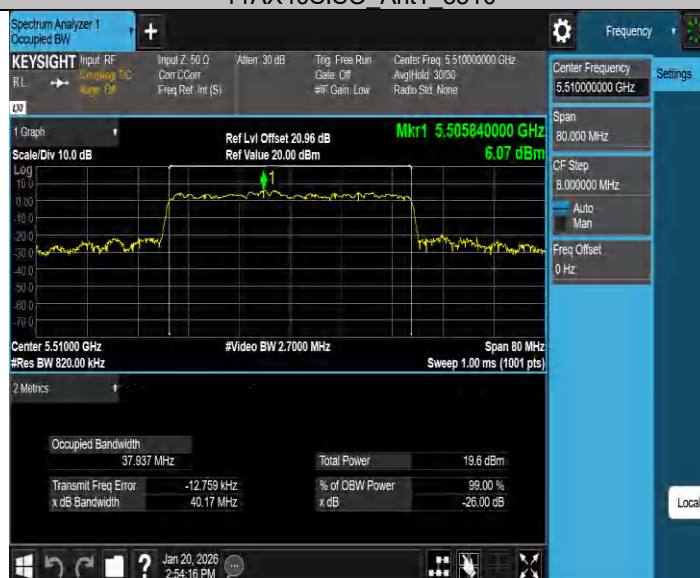
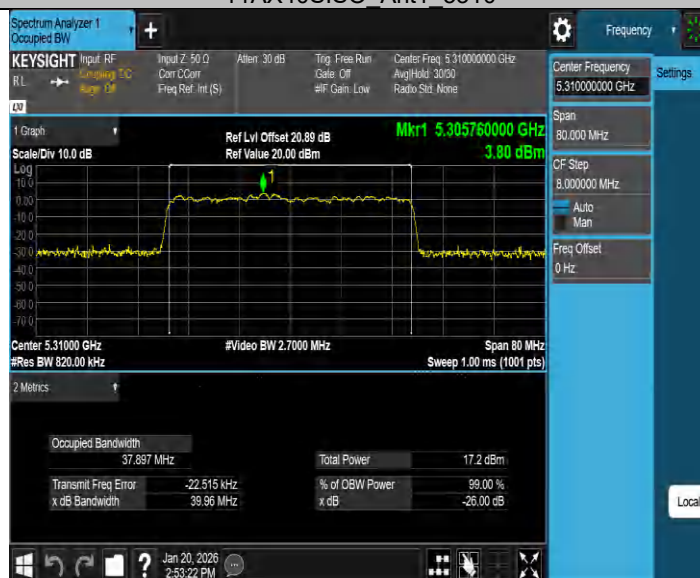
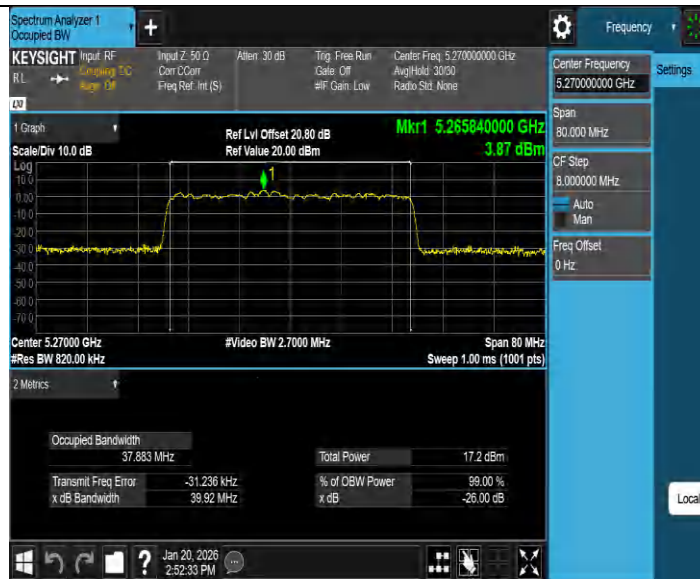


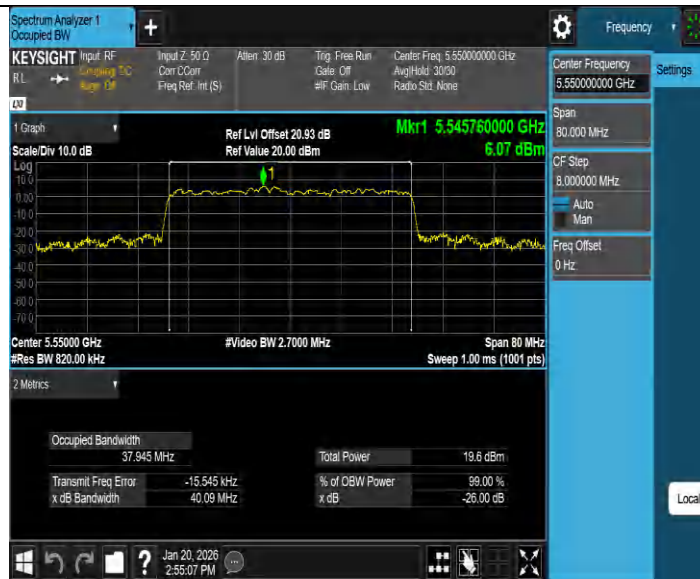


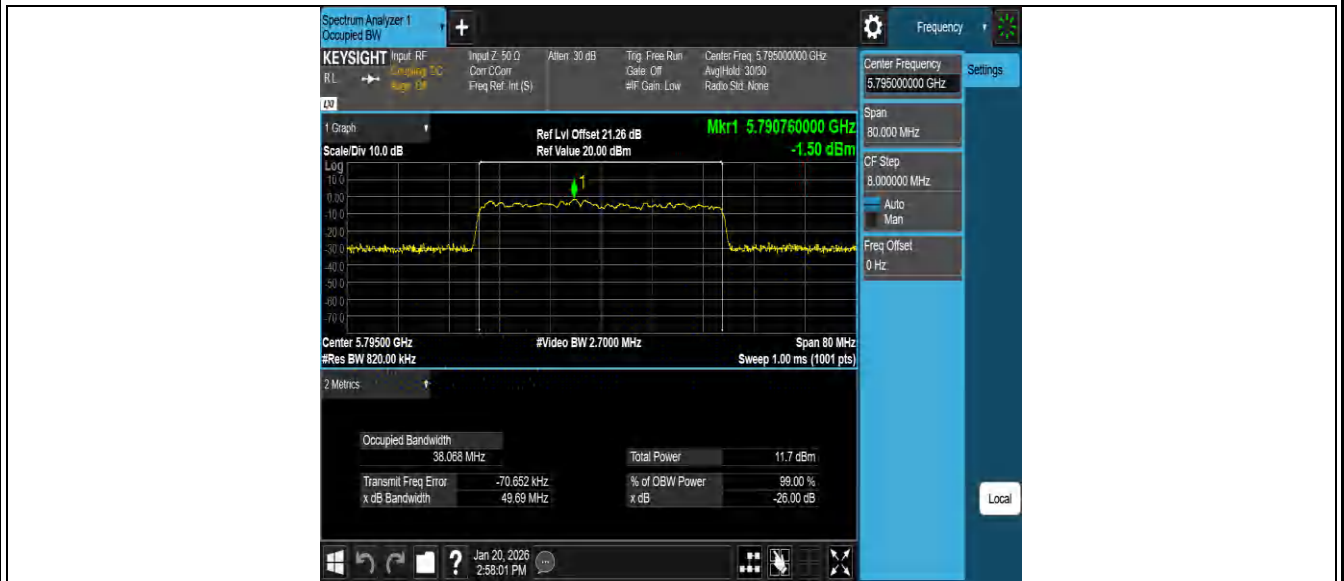


11AX20SISO Ant1 5825









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	16.400	5736.800	5753.200	0.5	PASS
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	16.400	5816.800	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.680	5816.160	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AX20SISO	Ant1	5745	19.160	5735.400	5754.560	0.5	PASS
		5785	19.160	5775.400	5794.560	0.5	PASS
		5825	19.160	5815.400	5834.560	0.5	PASS
11AX40SISO	Ant1	5755	38.160	5735.880	5774.040	0.5	PASS
		5795	38.160	5775.880	5814.040	0.5	PASS

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825







11AC20SISO Ant1 5785



11AC20SISO Ant1 5825



11AC40SISO Ant1 5755



11AX20SISO Ant1 5785





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

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	17.04	≤23.98	PASS
		5200	17.01	≤23.98	PASS
		5240	17.38	≤23.98	PASS
		5260	17.59	≤23.98	PASS
		5280	17.76	≤23.98	PASS
		5320	17.97	≤23.98	PASS
		5500	19.60	≤23.98	PASS
		5580	16.01	≤23.98	PASS
		5700	16.85	≤23.98	PASS
		5745	13.72	≤30.00	PASS
		5785	12.34	≤30.00	PASS
11N20SISO	Ant1	5825	10.95	≤30.00	PASS
		5180	17.25	≤23.98	PASS
		5200	17.40	≤23.98	PASS
		5240	17.59	≤23.98	PASS
		5260	17.89	≤23.98	PASS
		5280	17.98	≤23.98	PASS
		5320	18.27	≤23.98	PASS
		5500	19.67	≤23.98	PASS
		5580	16.61	≤23.98	PASS
		5700	16.83	≤23.98	PASS
		5745	14.23	≤30.00	PASS
11N40SISO	Ant1	5785	12.59	≤30.00	PASS
		5825	10.82	≤30.00	PASS
		5190	17.10	≤23.98	PASS
		5230	17.43	≤23.98	PASS
		5270	17.83	≤23.98	PASS
		5310	17.96	≤23.98	PASS
		5510	19.58	≤23.98	PASS
		5550	19.26	≤23.98	PASS
		5670	16.47	≤23.98	PASS
		5755	13.73	≤30.00	PASS
		5795	12.12	≤30.00	PASS
11AC20SISO	Ant1	5180	17.54	≤23.98	PASS
		5200	17.38	≤23.98	PASS
		5240	17.61	≤23.98	PASS
		5260	17.87	≤23.98	PASS
		5280	17.89	≤23.98	PASS
		5320	18.13	≤23.98	PASS
		5500	19.64	≤23.98	PASS
		5580	16.65	≤23.98	PASS
		5700	17.08	≤23.98	PASS
		5745	14.18	≤30.00	PASS
		5785	12.58	≤30.00	PASS
11AC40SISO	Ant1	5825	10.76	≤30.00	PASS
		5190	17.07	≤23.98	PASS
		5230	17.47	≤23.98	PASS
		5270	17.77	≤23.98	PASS
		5310	18.01	≤23.98	PASS
		5510	19.58	≤23.98	PASS
		5550	19.30	≤23.98	PASS
		5670	16.44	≤23.98	PASS
		5755	13.76	≤30.00	PASS
		5795	12.15	≤30.00	PASS
11AX20SISO	Ant1	5180	17.22	≤23.98	PASS
		5200	17.34	≤23.98	PASS
		5240	17.54	≤23.98	PASS

		5260	17.77	≤23.98	PASS
		5280	17.88	≤23.98	PASS
		5320	18.08	≤23.98	PASS
		5500	19.56	≤23.98	PASS
		5580	16.60	≤23.98	PASS
		5700	16.98	≤23.98	PASS
		5745	14.10	≤30.00	PASS
		5785	12.48	≤30.00	PASS
		5825	10.70	≤30.00	PASS
11AX40SISO	Ant1	5190	17.61	≤23.98	PASS
		5230	17.51	≤23.98	PASS
		5270	17.83	≤23.98	PASS
		5310	17.98	≤23.98	PASS
		5510	19.57	≤23.98	PASS
		5550	19.45	≤23.98	PASS
		5670	16.48	≤23.98	PASS
		5755	13.74	≤30.00	PASS
		5795	12.20	≤30.00	PASS

Note1: The limit shown in the table below is FCC limit, and the test data also meets the IC limits.

Note2: U-NII 1: Max. e.i.r.p.= 17.61dBm+1dBi= 18.61dBm, which is less than 22.15dBm (10 dBm + 10 logB, dBm)

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 1 dBi
- 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	2.53	≤11.00	PASS
		5200	2.58	≤11.00	PASS
		5240	2.55	≤11.00	PASS
		5260	2.97	≤11.00	PASS
		5280	3.08	≤11.00	PASS
		5320	2.69	≤11.00	PASS
		5500	4.97	≤11.00	PASS
		5580	1.94	≤11.00	PASS
		5700	3.03	≤11.00	PASS
		5745	-2.88	≤30.00	PASS
		5785	-4.36	≤30.00	PASS
11N20SISO	Ant1	5825	-6.18	≤30.00	PASS
		5180	2.67	≤11.00	PASS
		5200	2.34	≤11.00	PASS
		5240	2.62	≤11.00	PASS
		5260	2.63	≤11.00	PASS
		5280	3.07	≤11.00	PASS
		5320	2.93	≤11.00	PASS
		5500	4.96	≤11.00	PASS
		5580	2.67	≤11.00	PASS
		5700	2.74	≤11.00	PASS
		5745	-2.84	≤30.00	PASS
11N40SISO	Ant1	5785	-4.77	≤30.00	PASS
		5825	-6.51	≤30.00	PASS
		5190	-0.40	≤11.00	PASS
		5230	-0.45	≤11.00	PASS
		5270	-0.24	≤11.00	PASS
		5310	-0.21	≤11.00	PASS
		5510	1.83	≤11.00	PASS
		5550	1.95	≤11.00	PASS
		5670	0.01	≤11.00	PASS
11AC20SISO	Ant1	5755	-5.48	≤30.00	PASS
		5795	-7.59	≤30.00	PASS
		5180	2.35	≤11.00	PASS
		5200	3.09	≤11.00	PASS
		5240	2.40	≤11.00	PASS
		5260	2.95	≤11.00	PASS
		5280	2.98	≤11.00	PASS
		5320	2.72	≤11.00	PASS
		5500	5.01	≤11.00	PASS
		5580	2.34	≤11.00	PASS
		5700	2.86	≤11.00	PASS
11AC40SISO	Ant1	5745	-2.90	≤30.00	PASS
		5785	-4.57	≤30.00	PASS
		5825	-6.58	≤30.00	PASS
		5190	-0.44	≤11.00	PASS
		5230	-0.18	≤11.00	PASS
		5270	-0.34	≤11.00	PASS
		5310	-0.25	≤11.00	PASS
		5510	1.91	≤11.00	PASS
		5550	1.65	≤11.00	PASS
11AX20SISO	Ant1	5670	-0.16	≤11.00	PASS
		5755	-5.17	≤30.00	PASS
		5795	-7.48	≤30.00	PASS
	Ant1	5180	2.23	≤11.00	PASS
		5200	2.56	≤11.00	PASS
		5240	2.90	≤11.00	PASS

		5260	2.79	≤11.00	PASS
		5280	2.83	≤11.00	PASS
		5320	2.67	≤11.00	PASS
		5500	4.80	≤11.00	PASS
		5580	2.06	≤11.00	PASS
		5700	2.75	≤11.00	PASS
		5745	-2.93	≤30.00	PASS
		5785	-4.13	≤30.00	PASS
		5825	-6.61	≤30.00	PASS
11AX40SISO	Ant1	5190	-0.32	≤11.00	PASS
		5230	-0.15	≤11.00	PASS
		5270	-0.16	≤11.00	PASS
		5310	-0.43	≤11.00	PASS
		5510	1.60	≤11.00	PASS
		5550	1.70	≤11.00	PASS
		5670	-0.48	≤11.00	PASS
		5755	-5.53	≤30.00	PASS
		5795	-7.69	≤30.00	PASS

Note1: The limit shown in the table below is FCC limit, and the test data also meets the IC limits.

Note2: U-NII 1: Max. e.i.r.p. spectral density= 3.09dBm+1dBi=4.09dBm/MHz, which is less than 10dBm/MHz

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 1 dBi for ANT1
- 3) B is the 99% emission bandwidth in MHz
- 4) The Result and Limit Unit is dBm/500 kHz in the band 5.725-5.85 GHz.
- 5) The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A Ant1 5180

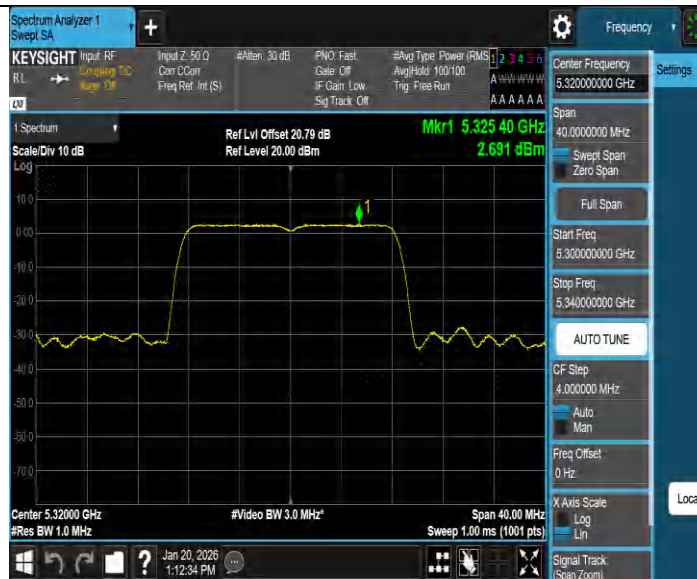


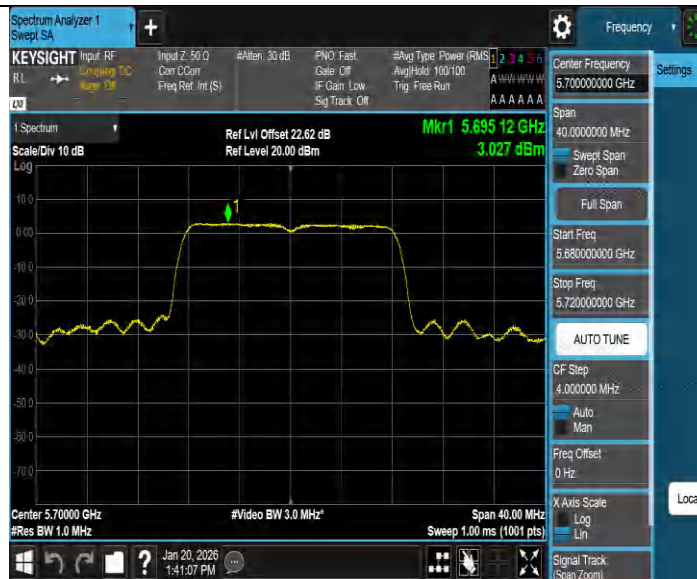
11A Ant1 5200



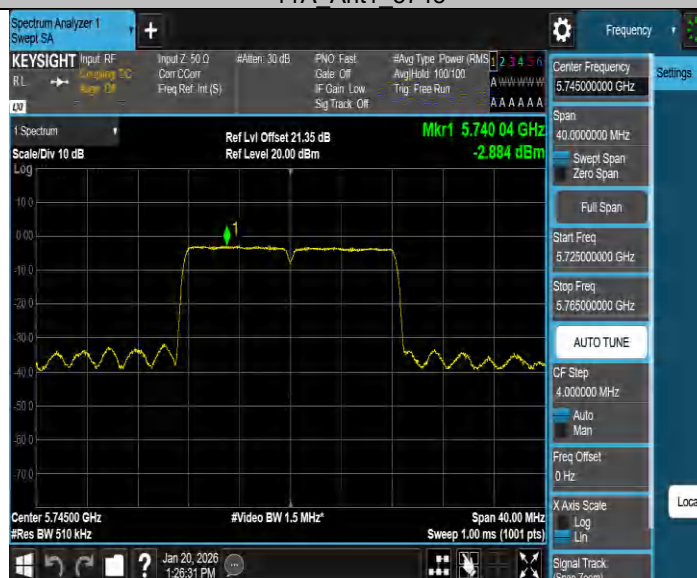
11A Ant1 5240







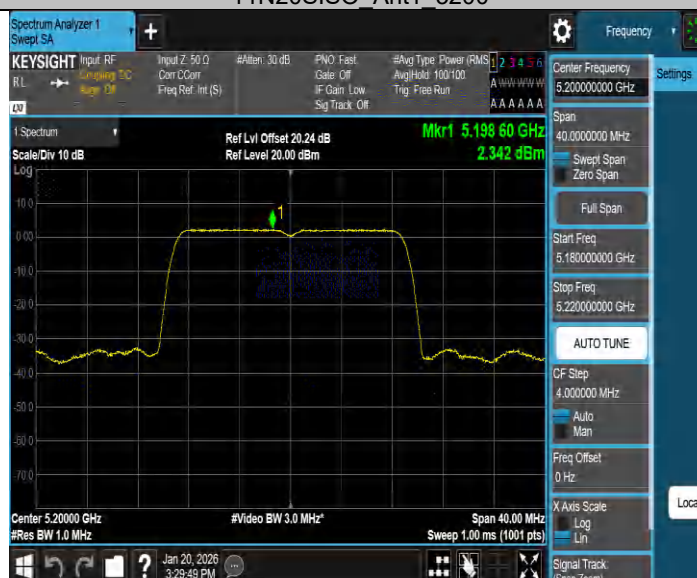
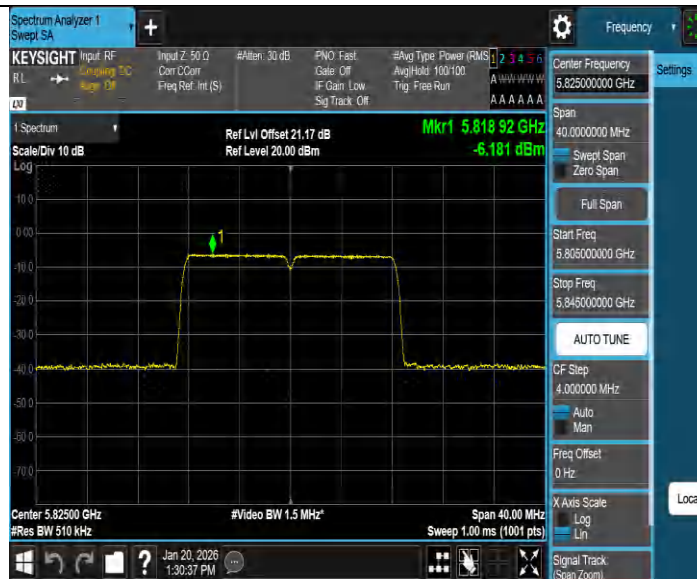
11A Ant1 5745



11A Ant1 5785



11A Ant1 5825





11N20SISO Ant1 5260



11N20SISO Ant1 5280



11N20SISO Ant1 5320



11N20SISO Ant1 5500



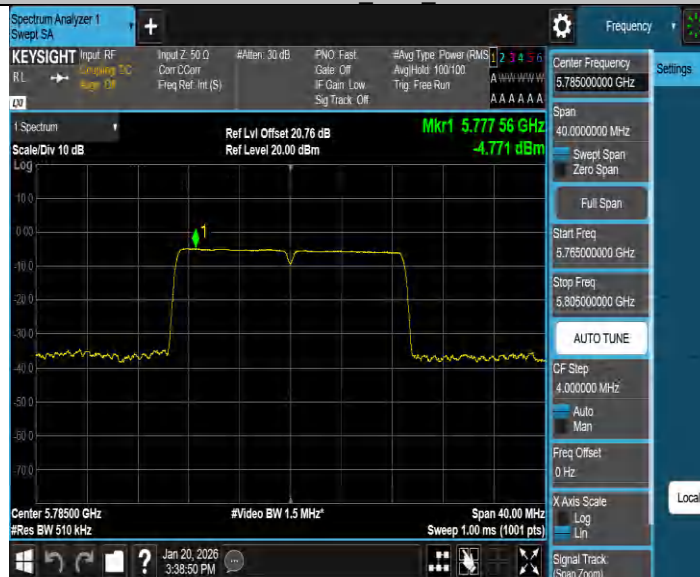
11N20SISO Ant1 5580



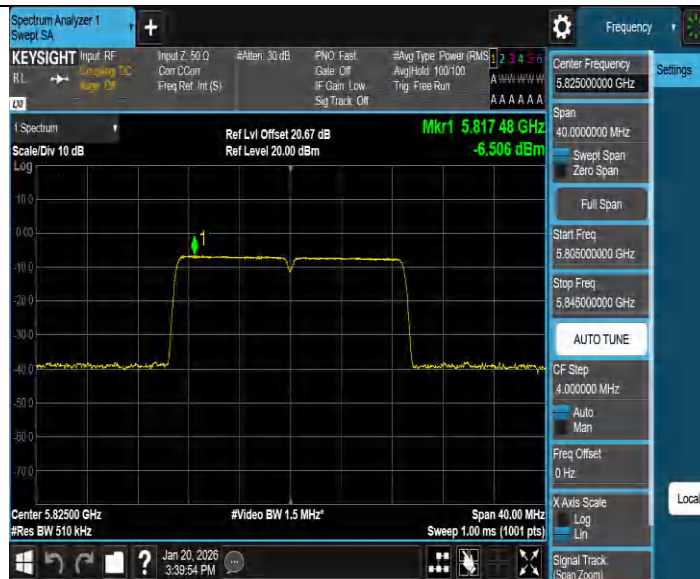
11N20SISO Ant1 5700



11N20SISO Ant1 5785



11N20SISO Ant1 5825



11N40SISO Ant1 5190



11N40SISO Ant1 5230



11N40SISO Ant1 5270



11N40SISO Ant1 5310



11N40SISO Ant1 5510



11N40SISO Ant1 5550







11AC20SISO Ant1 5260



11AC20SISO Ant1 5280



11AC20SISO Ant1 5320