

RF Test Data for RLAN(5.2G) (Conducted Measurement)

Product Name: BOLT

Trade Mark: 

Test Model: NB600BL

FCC ID: YMT-NB600

Environmental Conditions

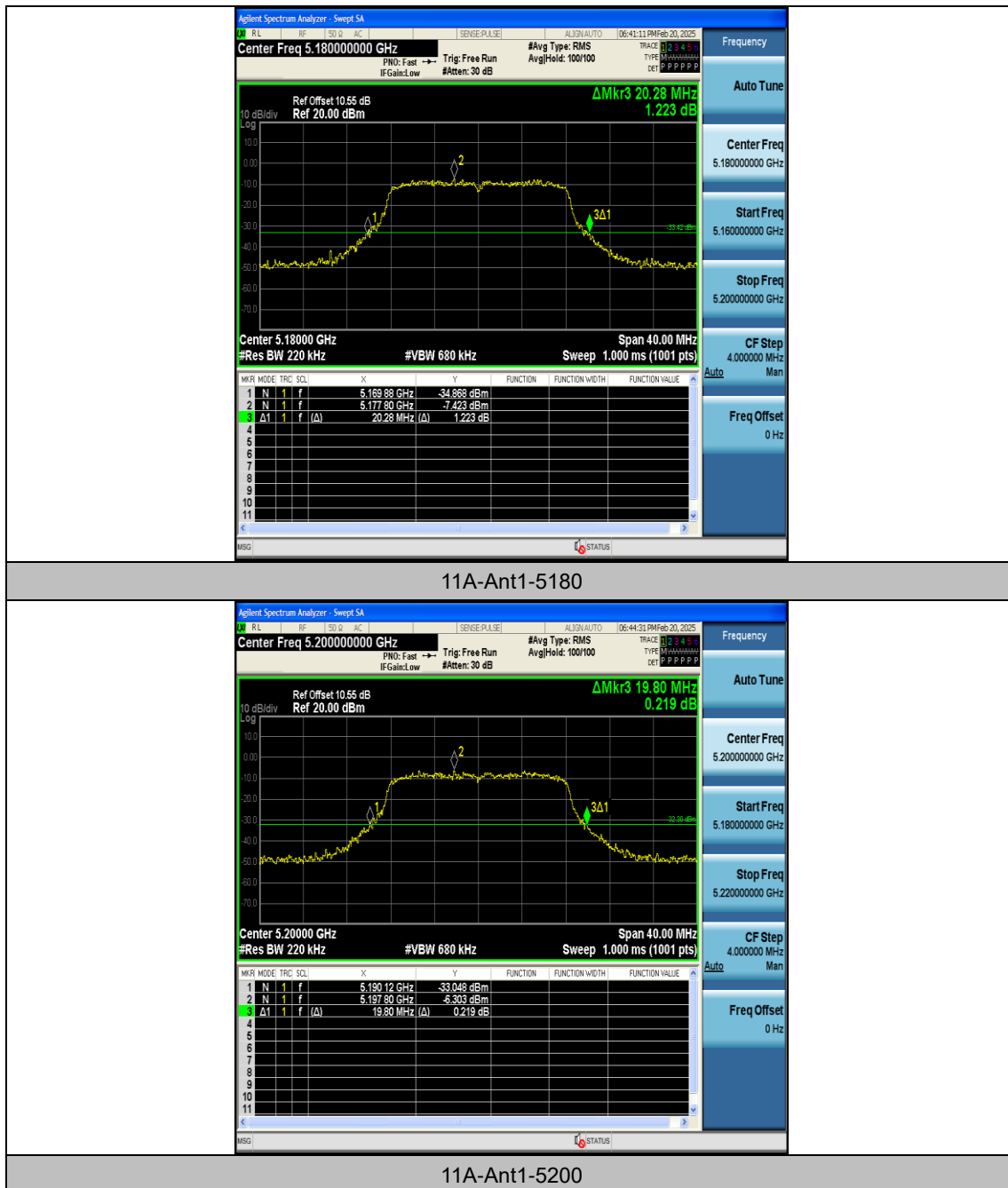
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	20.280	5169.880	5190.160	---	---
11A	Ant1	5200	19.800	5190.120	5209.920	---	---
11A	Ant1	5240	19.800	5230.280	5250.080	---	---
11N20SISO	Ant1	5180	21.360	5169.400	5190.760	---	---
11N20SISO	Ant1	5200	20.680	5189.720	5210.400	---	---
11N20SISO	Ant1	5240	20.560	5229.760	5250.320	---	---
11N40SISO	Ant1	5190	41.280	5169.600	5210.880	---	---
11N40SISO	Ant1	5230	42.000	5208.880	5250.880	---	---
11AC20SISO	Ant1	5180	20.840	5169.840	5190.680	---	---
11AC20SISO	Ant1	5200	20.560	5189.640	5210.200	---	---
11AC20SISO	Ant1	5240	20.560	5230.080	5250.640	---	---
11AC40SISO	Ant1	5190	41.120	5169.280	5210.400	---	---
11AC40SISO	Ant1	5230	41.280	5209.360	5250.640	---	---
11AX20SISO	Ant1	5180	21.120	5169.520	5190.640	---	---
11AX20SISO	Ant1	5200	20.920	5189.880	5210.800	---	---
11AX20SISO	Ant1	5240	20.600	5229.760	5250.360	---	---
11AX40SISO	Ant1	5190	44.240	5168.480	5212.720	---	---
11AX40SISO	Ant1	5230	45.040	5207.600	5252.640	---	---

Test Graphs





11A-Ant1-5240



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240



11N40SISO-Ant1-5190



11N40SISO-Ant1-5230



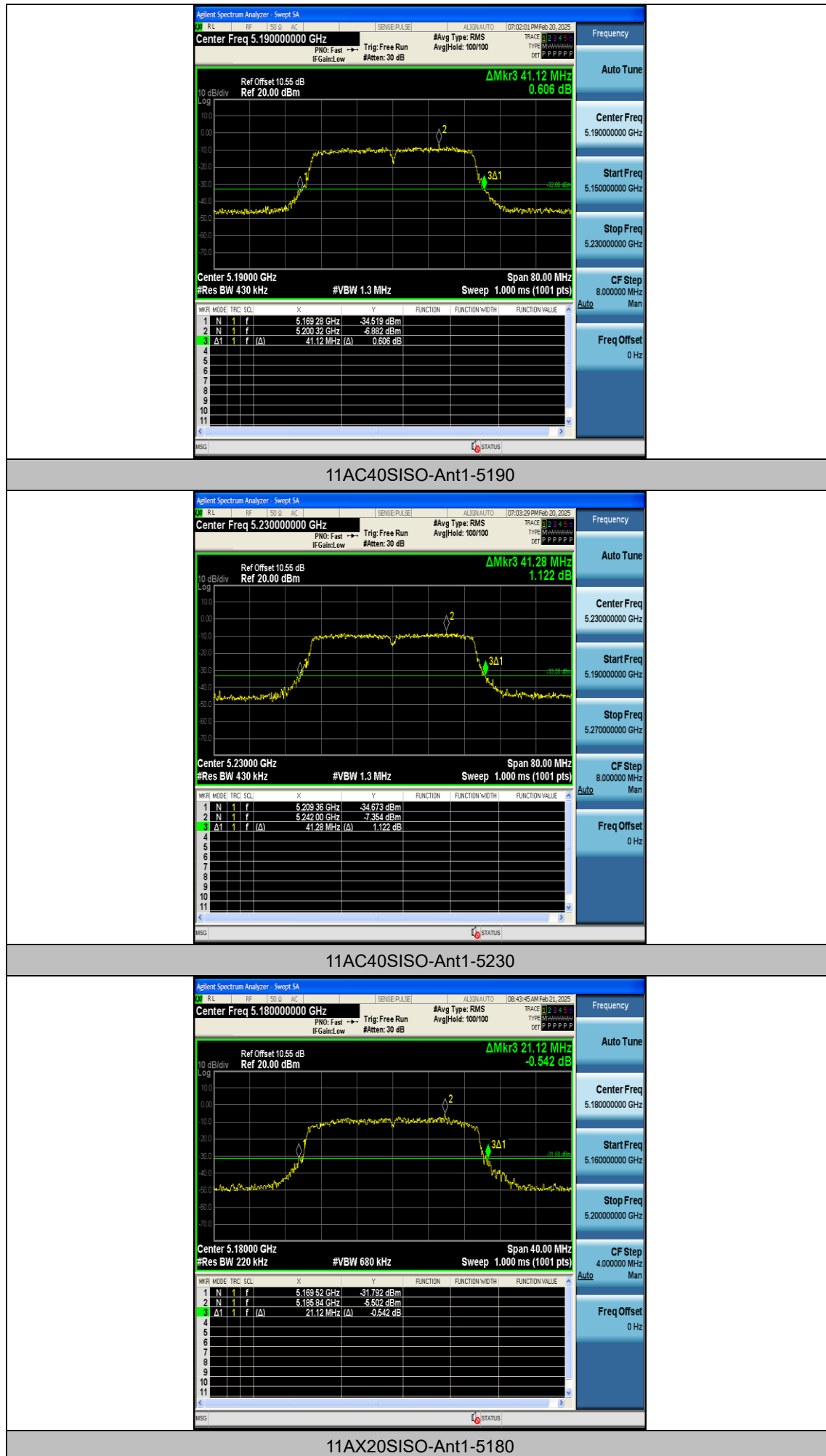
11AC20SISO-Ant1-5180

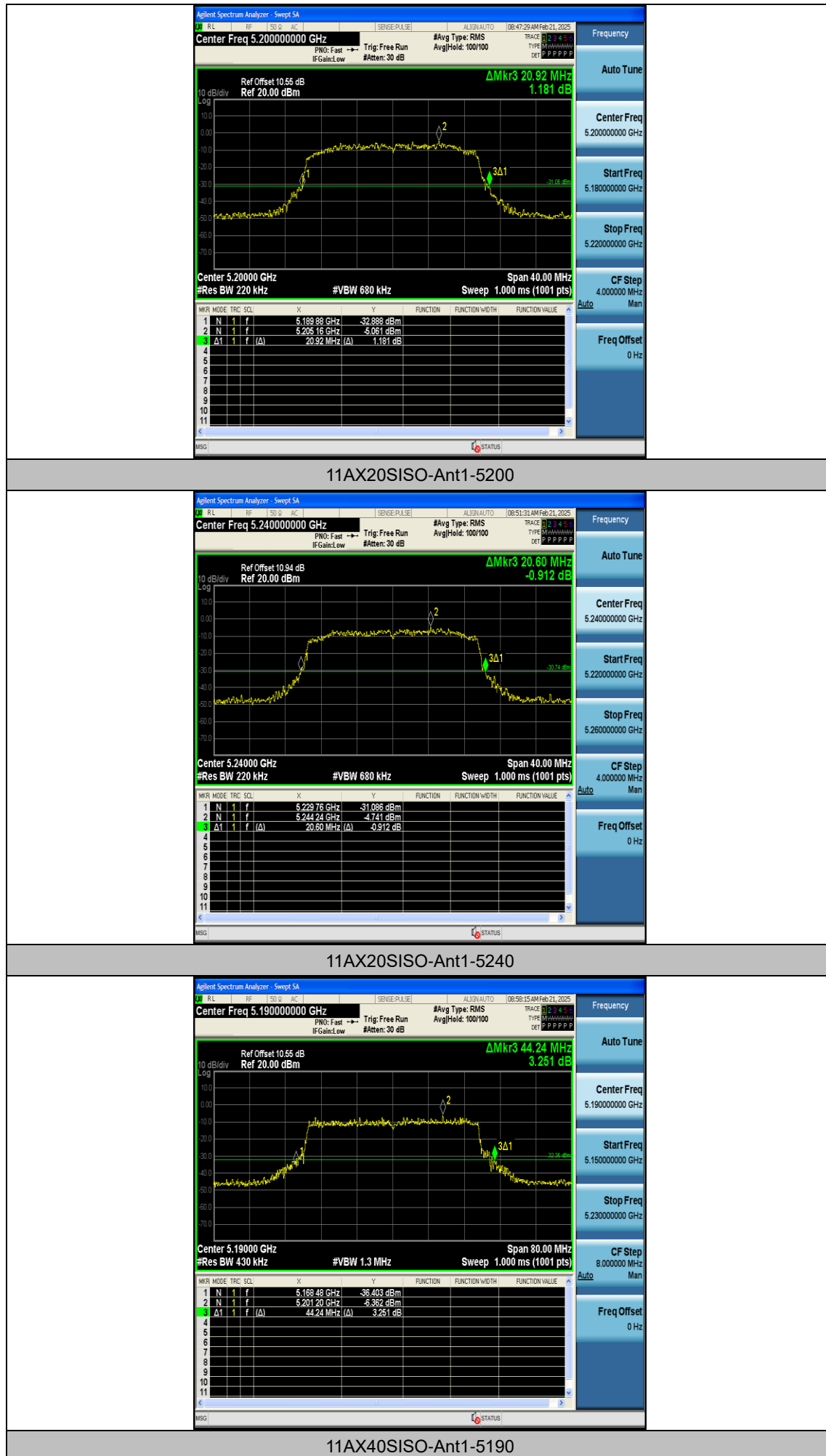


11AC20SISO-Ant1-5200



11AC20SISO-Ant1-5240





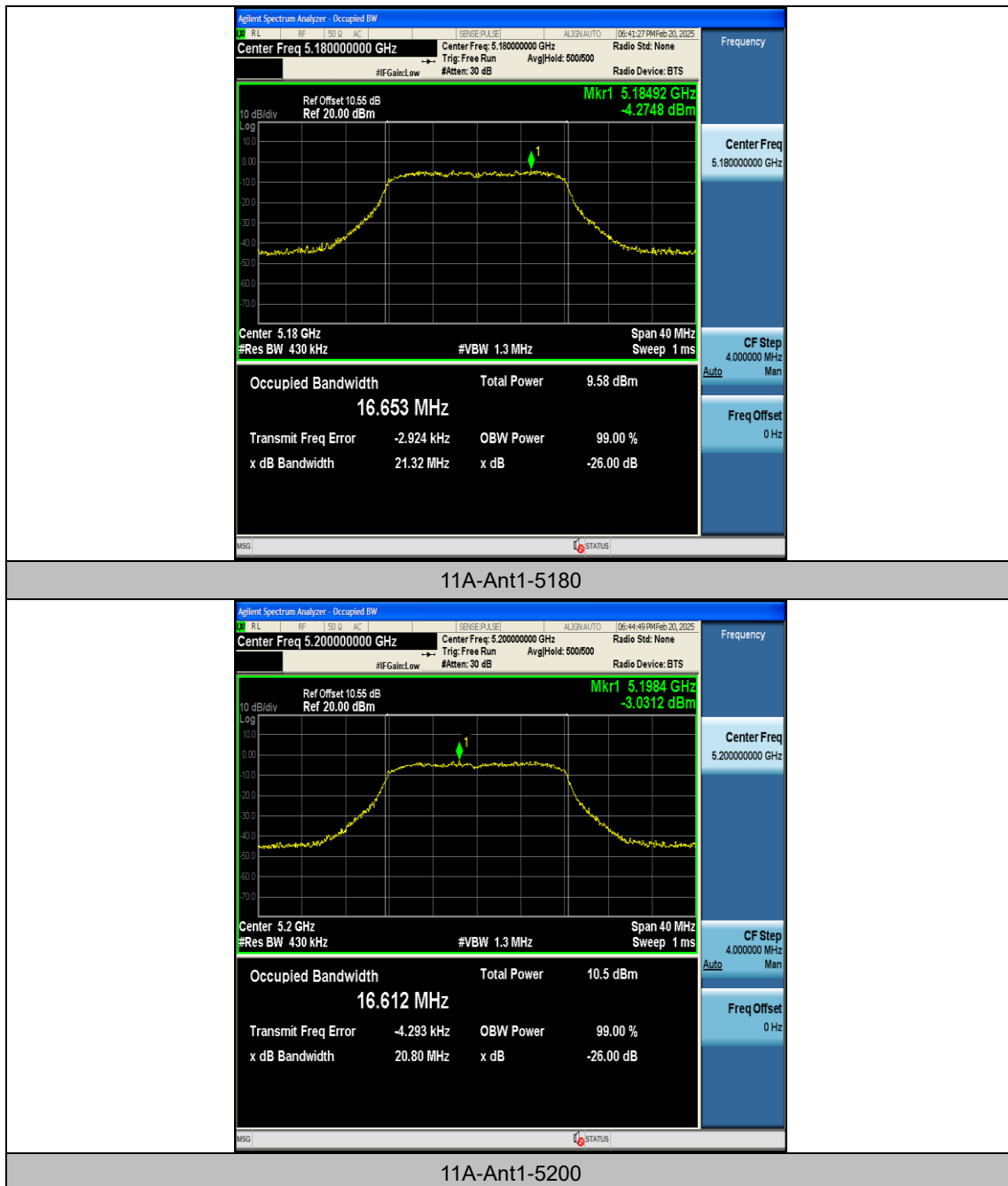


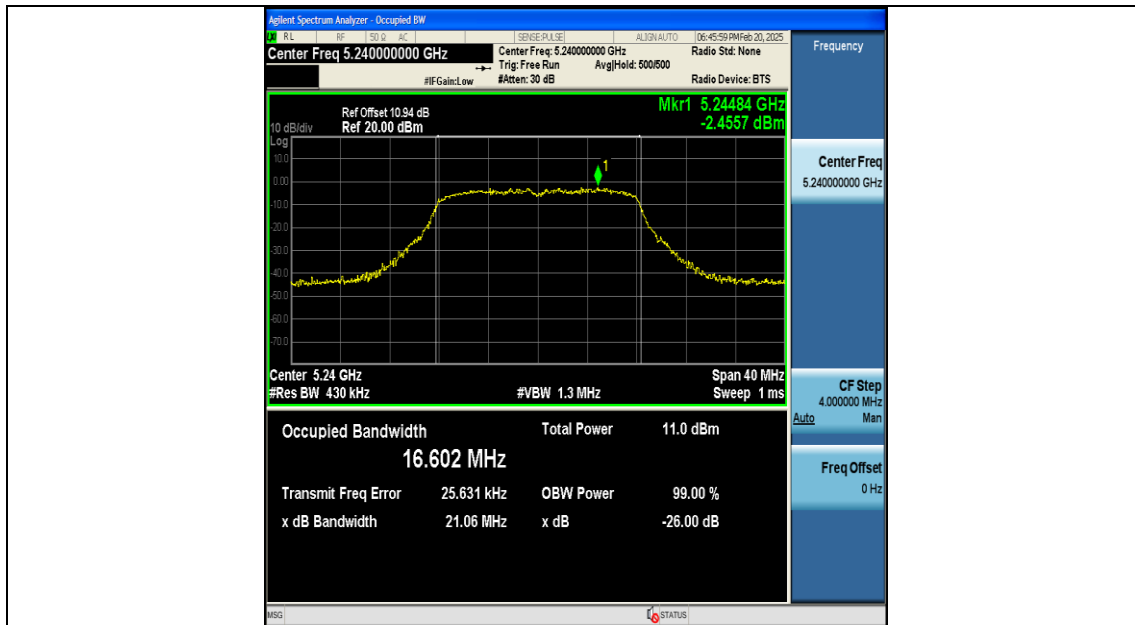
Appendix A2: Occupied channel bandwidth

Test Result

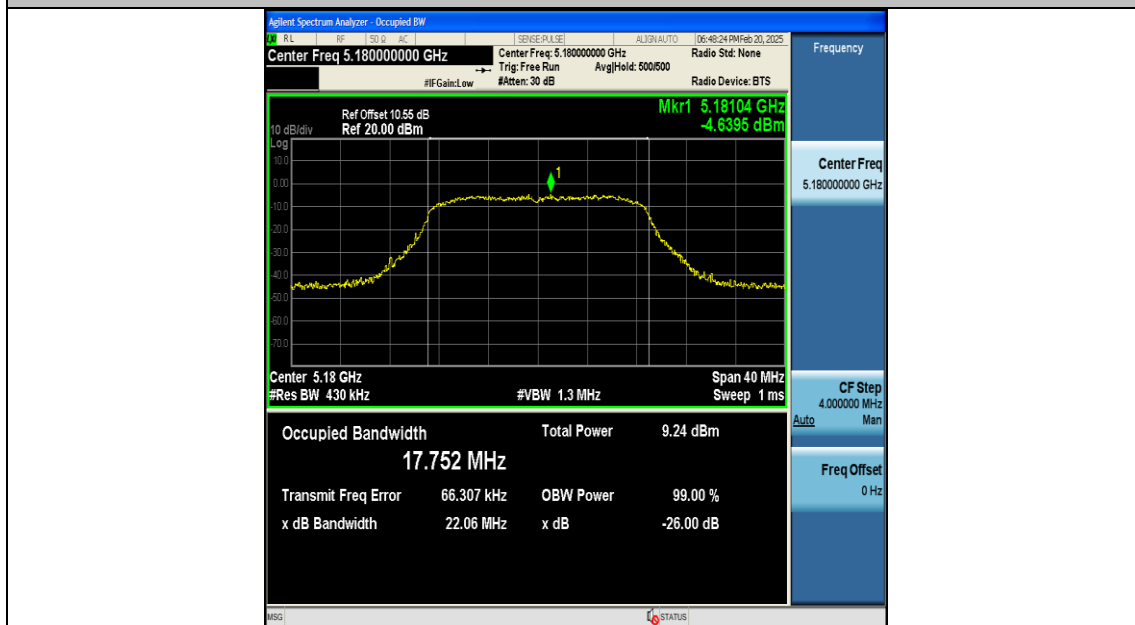
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	16.653	5171.6706	5188.3236	---	---
11A	Ant1	5200	16.612	5191.6897	5208.3017	---	---
11A	Ant1	5240	16.602	5231.7246	5248.3266	---	---
11N20SISO	Ant1	5180	17.752	5171.1903	5188.9423	---	---
11N20SISO	Ant1	5200	17.671	5191.2245	5208.8955	---	---
11N20SISO	Ant1	5240	17.708	5231.2097	5248.9177	---	---
11N40SISO	Ant1	5190	36.497	5171.9345	5208.4315	---	---
11N40SISO	Ant1	5230	36.682	5211.7873	5248.4693	---	---
11AC20SISO	Ant1	5180	17.707	5171.1634	5188.8704	---	---
11AC20SISO	Ant1	5200	17.674	5191.2046	5208.8786	---	---
11AC20SISO	Ant1	5240	17.645	5231.2411	5248.8861	---	---
11AC40SISO	Ant1	5190	36.476	5171.8515	5208.3275	---	---
11AC40SISO	Ant1	5230	36.560	5211.7538	5248.3138	---	---
11AX20SISO	Ant1	5180	18.780	5170.6506	5189.4306	---	---
11AX20SISO	Ant1	5200	18.737	5190.6938	5209.4308	---	---
11AX20SISO	Ant1	5240	18.724	5230.7150	5249.4390	---	---
11AX40SISO	Ant1	5190	38.395	5170.9655	5209.3605	---	---
11AX40SISO	Ant1	5230	38.510	5210.8389	5249.3489	---	---

Test Graphs

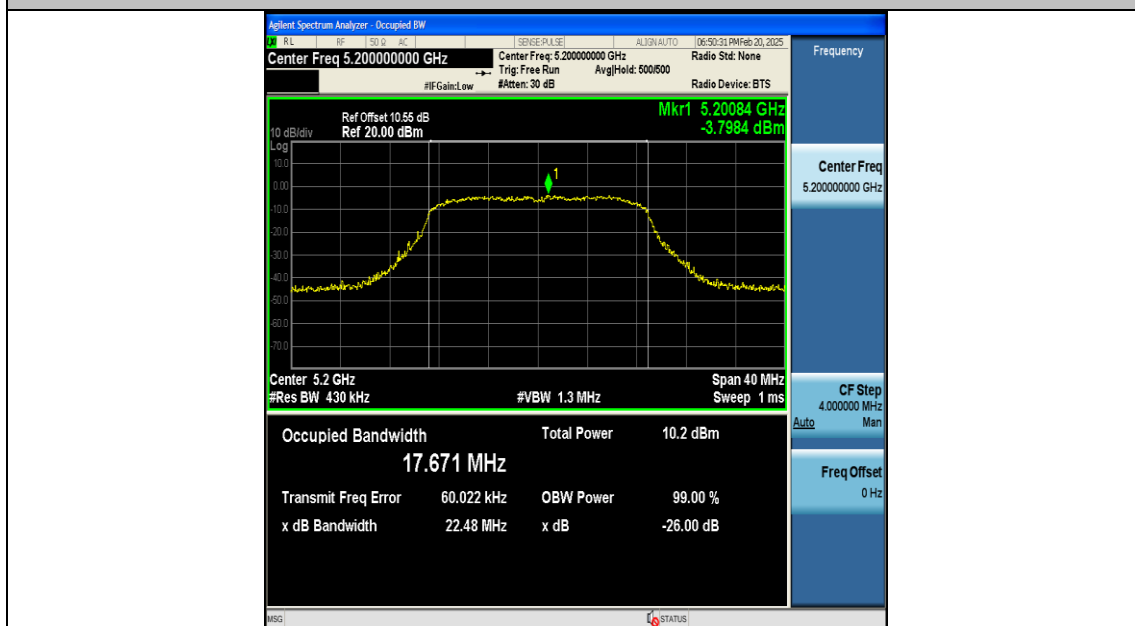




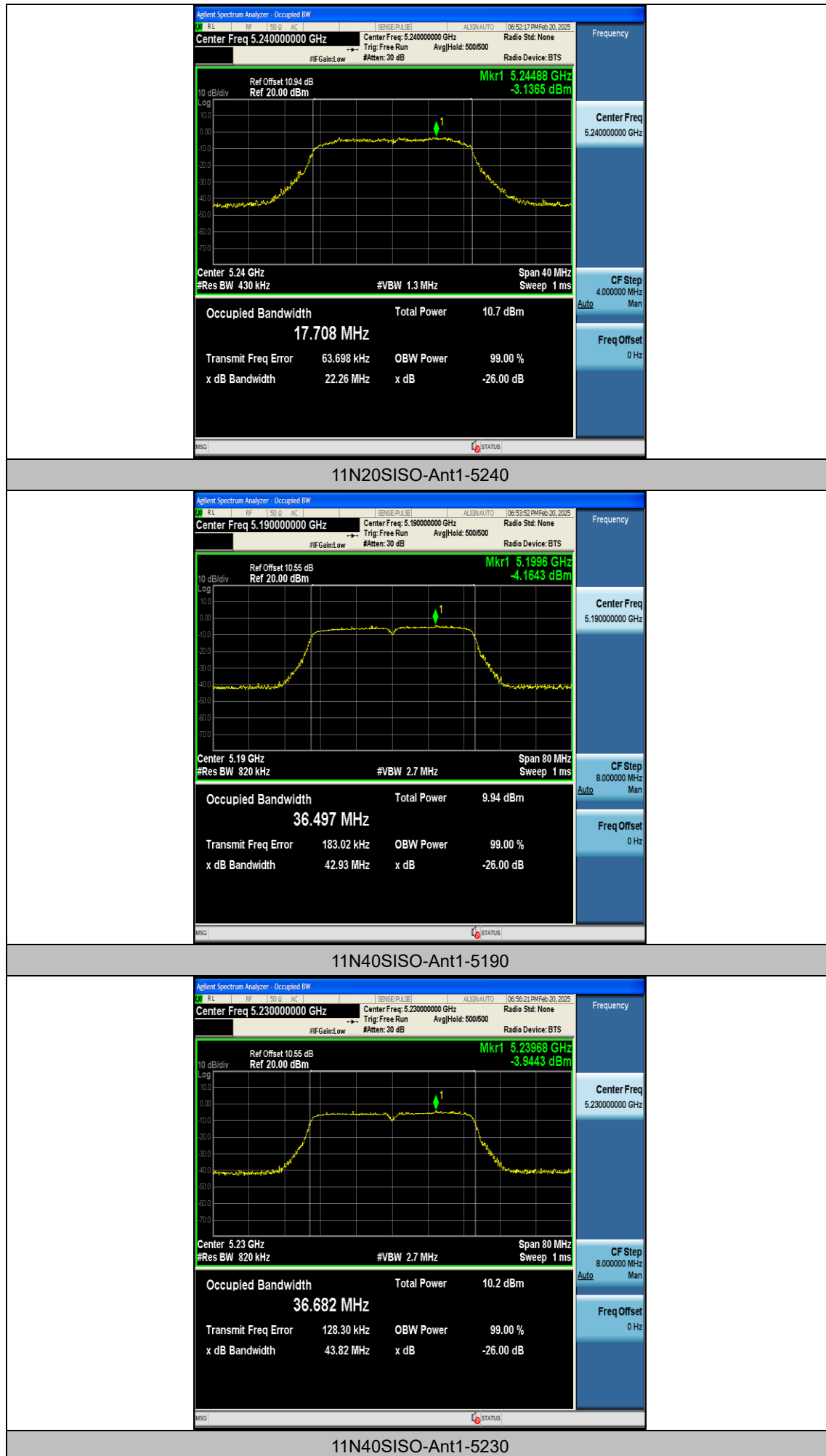
11A-Ant1-5240

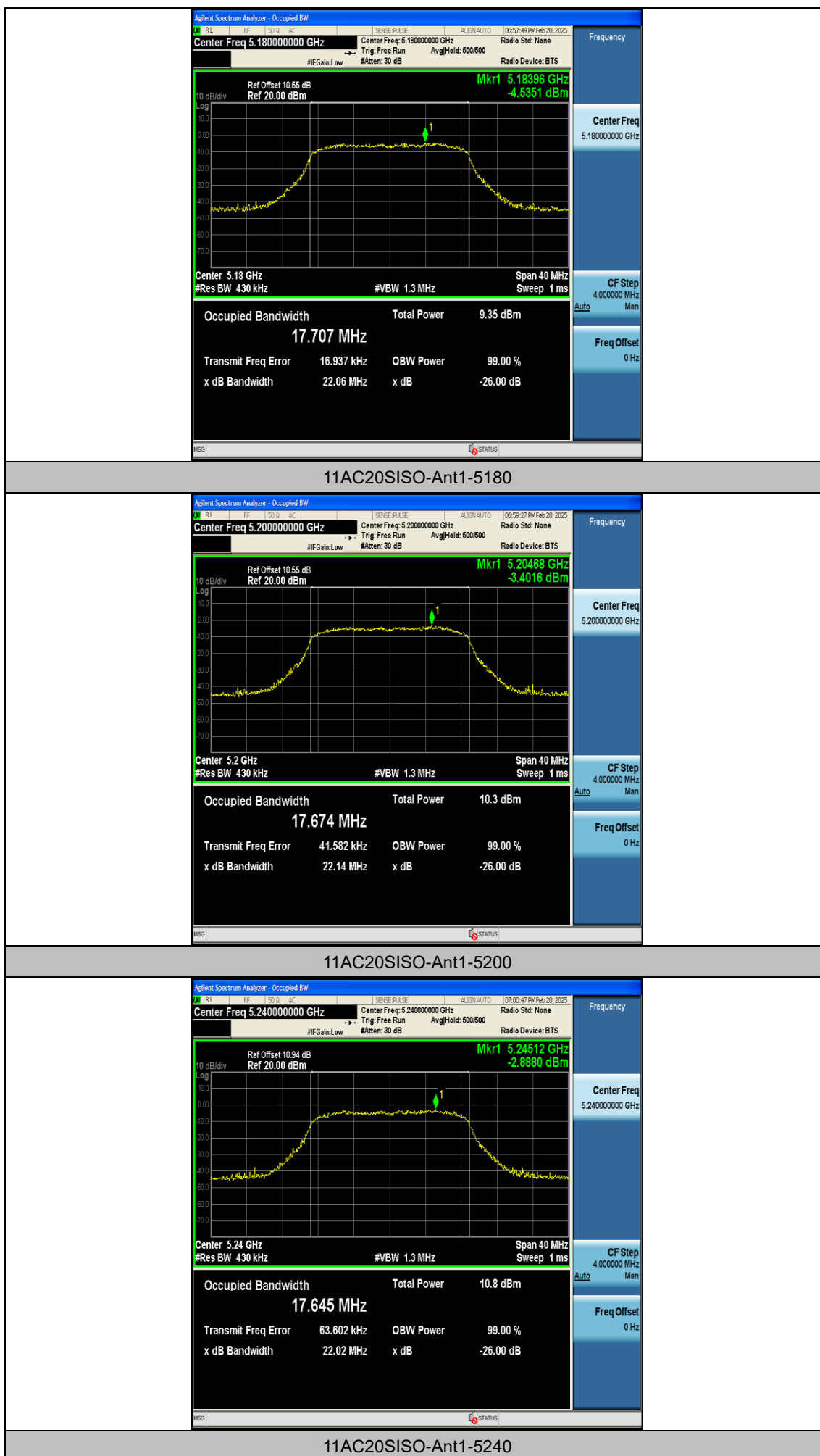


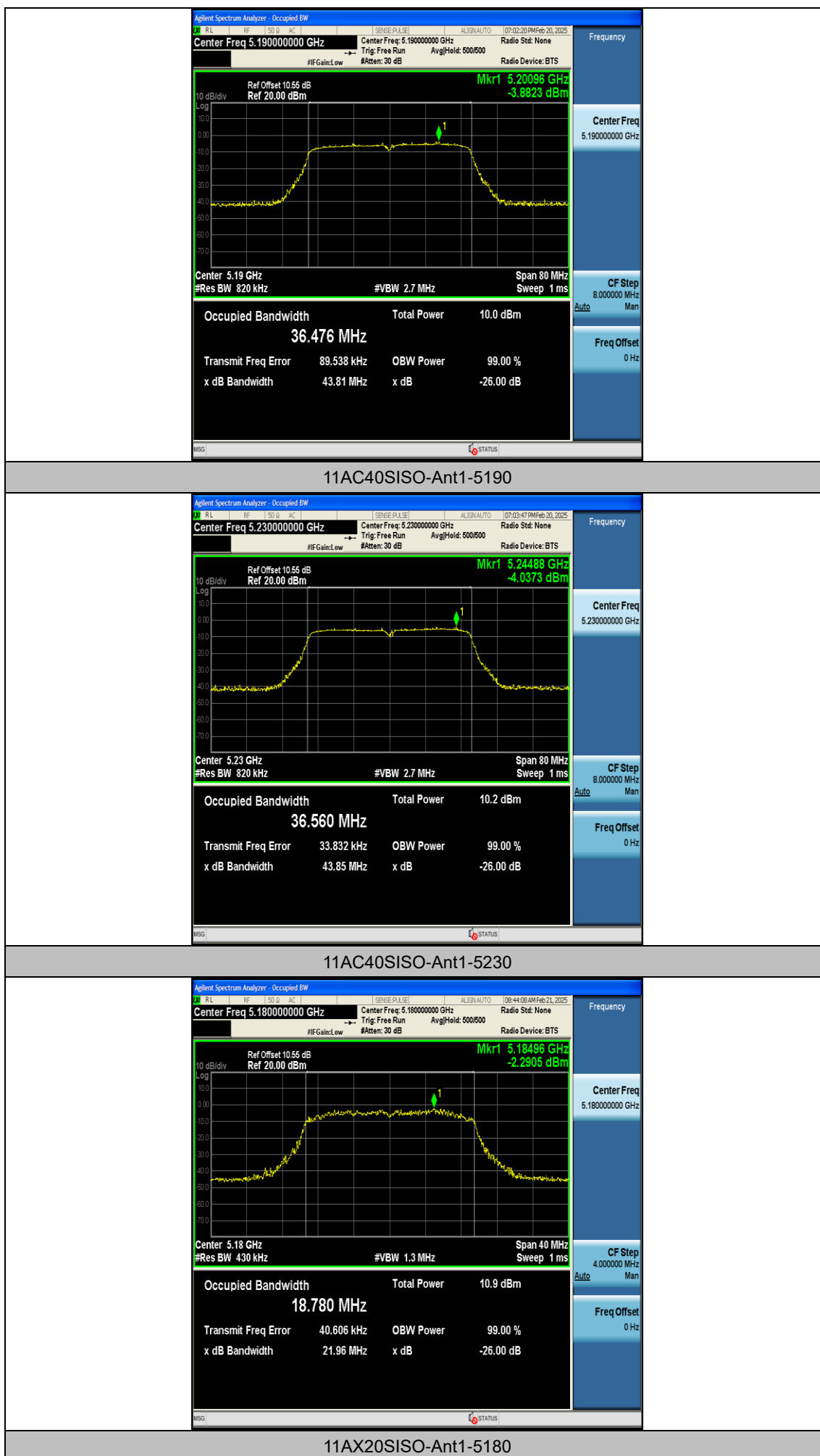
11N20SISO-Ant1-5180

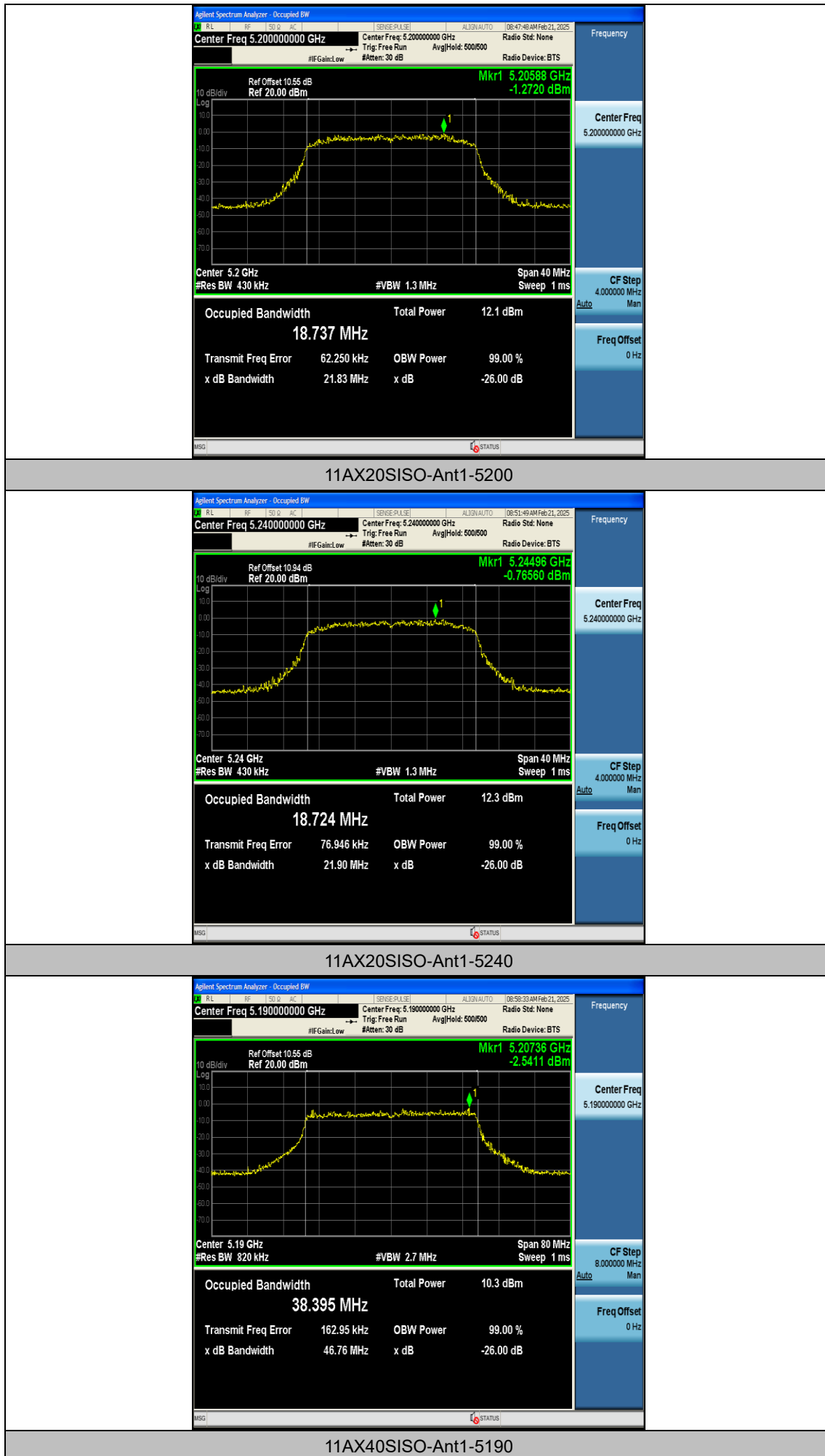


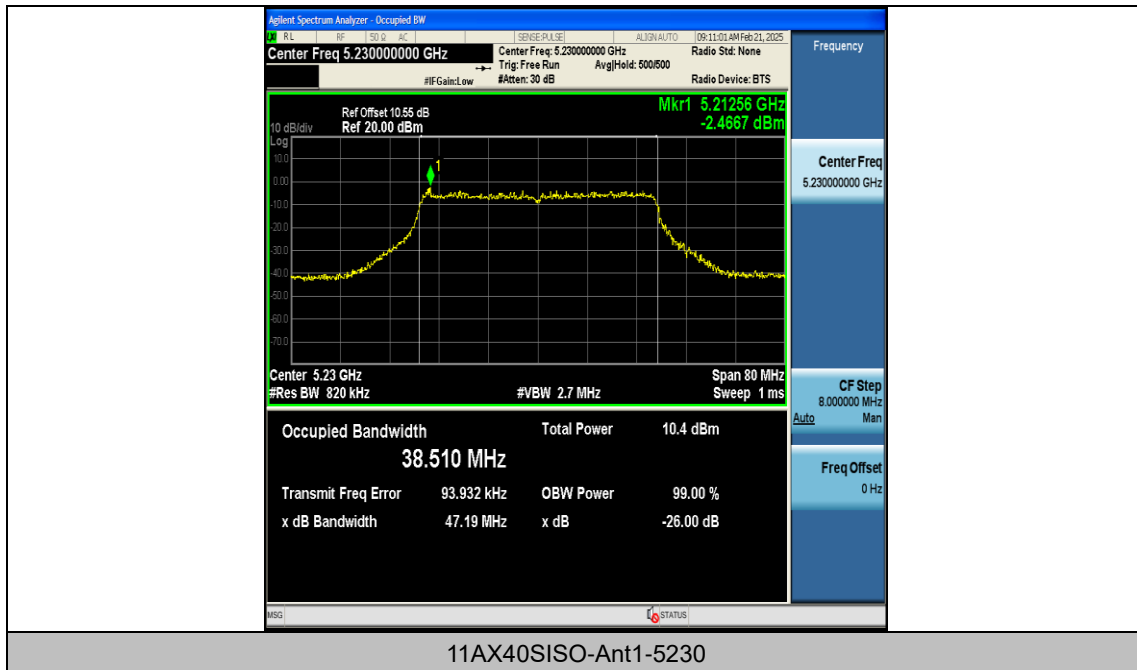
11N20SISO-Ant1-5200











Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Power [dBm]	Conducted Limit [dBm]	Verdict
11A	Ant1	5180	2.61	≤23.98	PASS
11A	Ant1	5200	3.82	≤23.98	PASS
11A	Ant1	5240	4.04	≤23.98	PASS
11N20SISO	Ant1	5180	2.62	≤23.98	PASS
11N20SISO	Ant1	5200	3.55	≤23.98	PASS
11N20SISO	Ant1	5240	4.08	≤23.98	PASS
11N40SISO	Ant1	5190	2.55	≤23.98	PASS
11N40SISO	Ant1	5230	3.29	≤23.98	PASS
11AC20SISO	Ant1	5180	2.47	≤23.98	PASS
11AC20SISO	Ant1	5200	3.52	≤23.98	PASS
11AC20SISO	Ant1	5240	4.15	≤23.98	PASS
11AC40SISO	Ant1	5190	2.91	≤23.98	PASS
11AC40SISO	Ant1	5230	3.10	≤23.98	PASS
11AX20SISO	Ant1	5180	2.76	≤23.98	PASS
11AX20SISO	Ant1	5200	3.92	≤23.98	PASS
11AX20SISO	Ant1	5240	4.37	≤23.98	PASS
11AX40SISO	Ant1	5190	1.88	≤23.98	PASS
11AX40SISO	Ant1	5230	1.92	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the result.

Appendix C: Maximum power spectral density

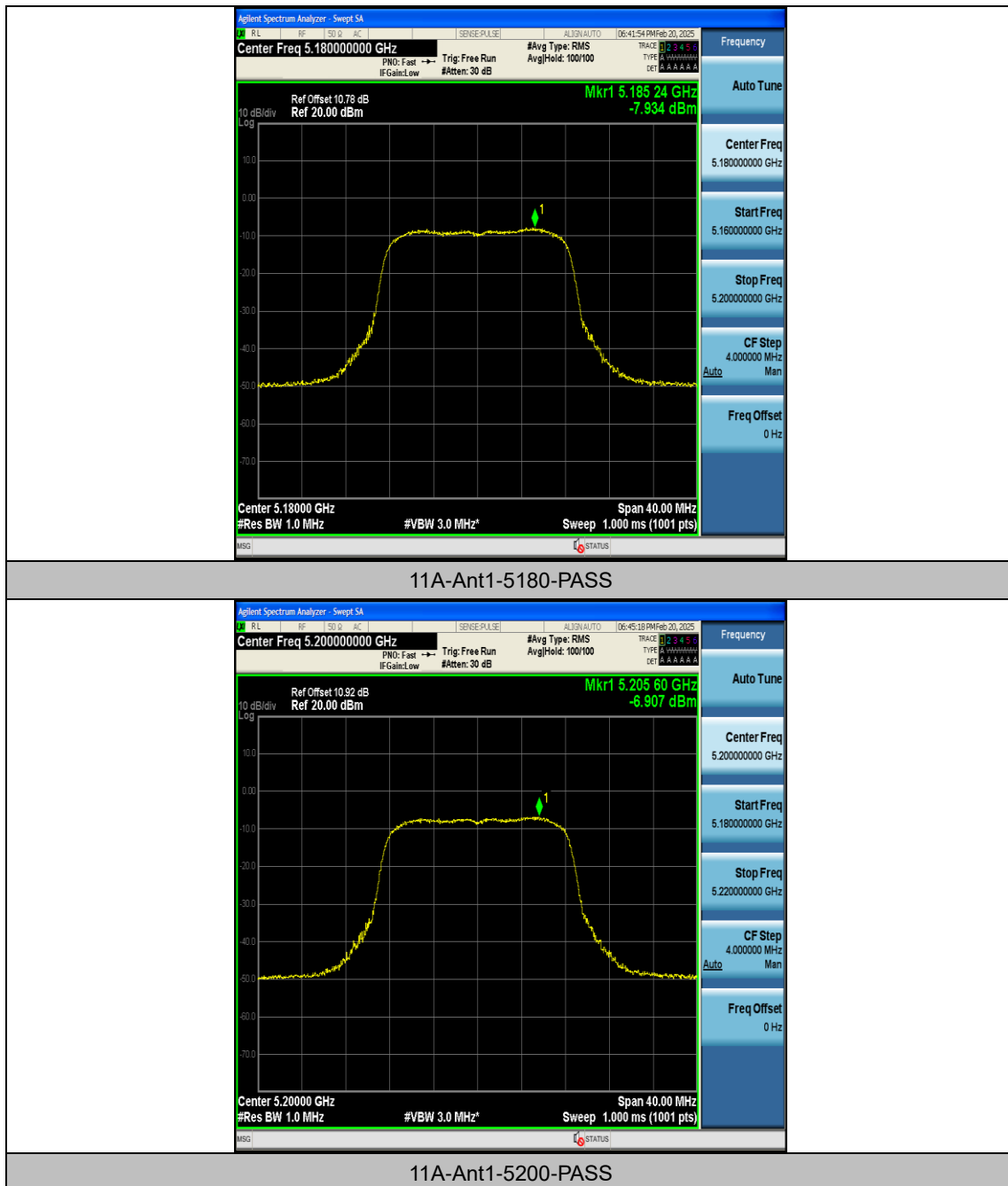
Test Result

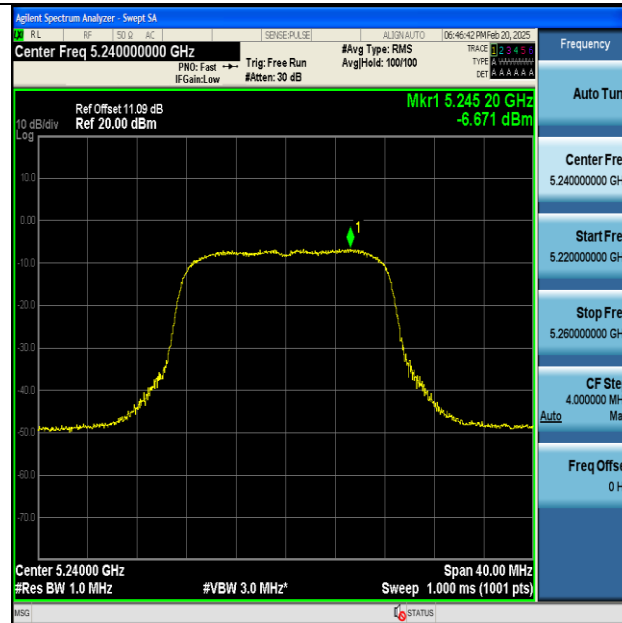
Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	-7.93	≤11.00	PASS
11A	Ant1	5200	-6.91	≤11.00	PASS
11A	Ant1	5240	-6.67	≤11.00	PASS
11N20SISO	Ant1	5180	-8.39	≤11.00	PASS
11N20SISO	Ant1	5200	-7.62	≤11.00	PASS
11N20SISO	Ant1	5240	-6.70	≤11.00	PASS
11N40SISO	Ant1	5190	-11.30	≤11.00	PASS
11N40SISO	Ant1	5230	-10.92	≤11.00	PASS
11AC20SISO	Ant1	5180	-8.38	≤11.00	PASS
11AC20SISO	Ant1	5200	-7.33	≤11.00	PASS
11AC20SISO	Ant1	5240	-6.48	≤11.00	PASS
11AC40SISO	Ant1	5190	-10.90	≤11.00	PASS
11AC40SISO	Ant1	5230	-11.07	≤11.00	PASS
11AX20SISO	Ant1	5180	-8.23	≤11.00	PASS
11AX20SISO	Ant1	5200	-7.16	≤11.00	PASS
11AX20SISO	Ant1	5240	-6.79	≤11.00	PASS
11AX40SISO	Ant1	5190	-12.19	≤11.00	PASS
11AX40SISO	Ant1	5230	-12.40	≤11.00	PASS

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

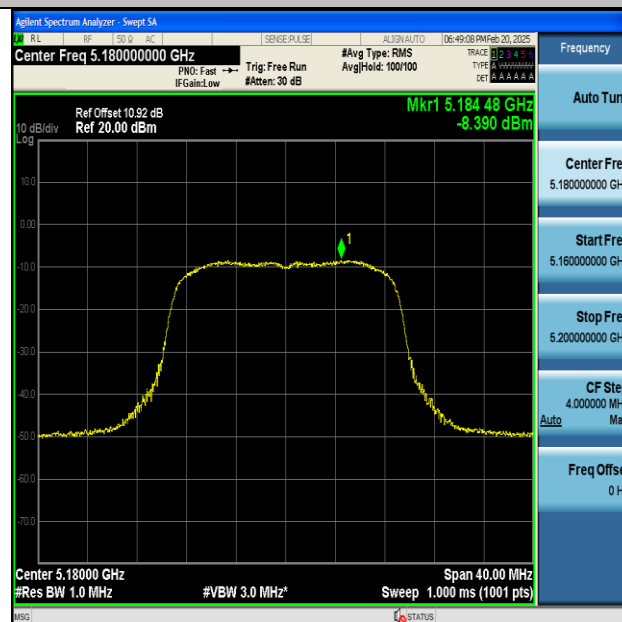
2.The Duty Cycle Factor and RBW Factor is compensated in the result.

Test Graphs

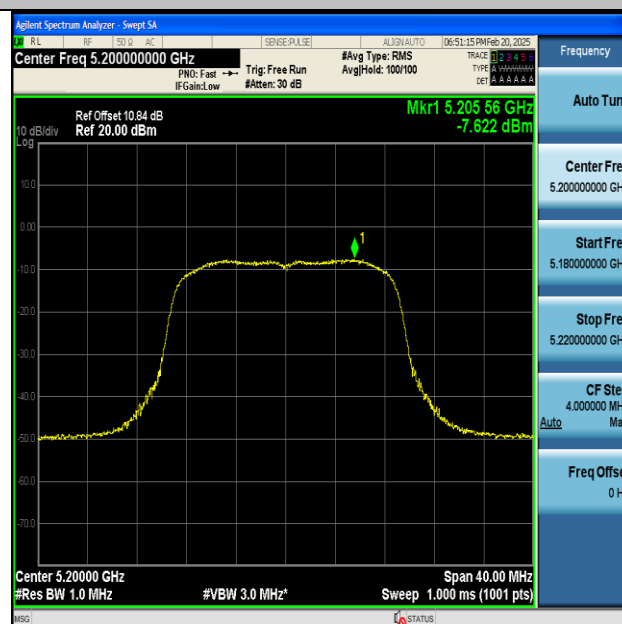




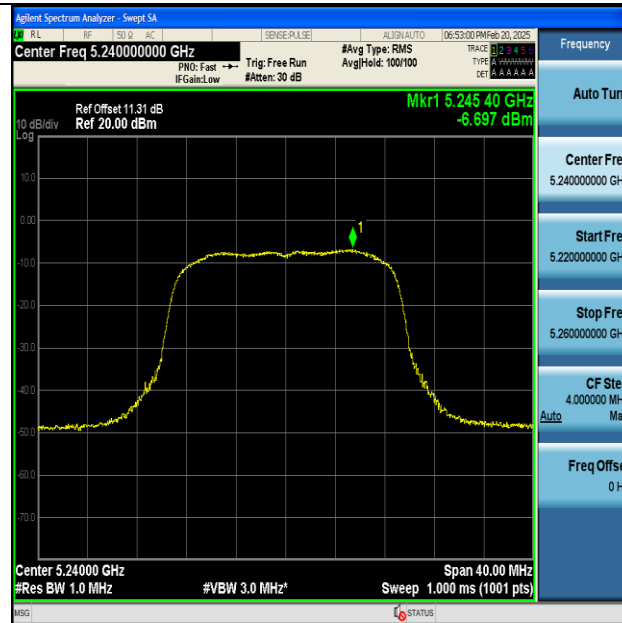
11A-Ant1-5240-PASS



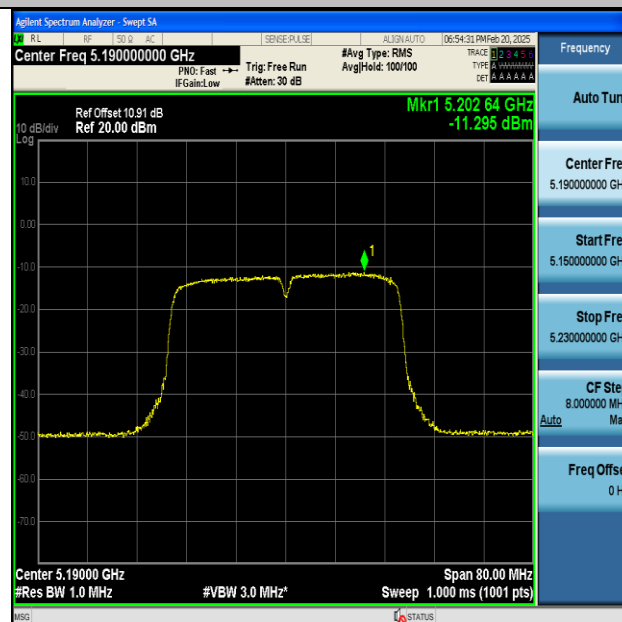
11N20SISO-Ant1-5180-PASS



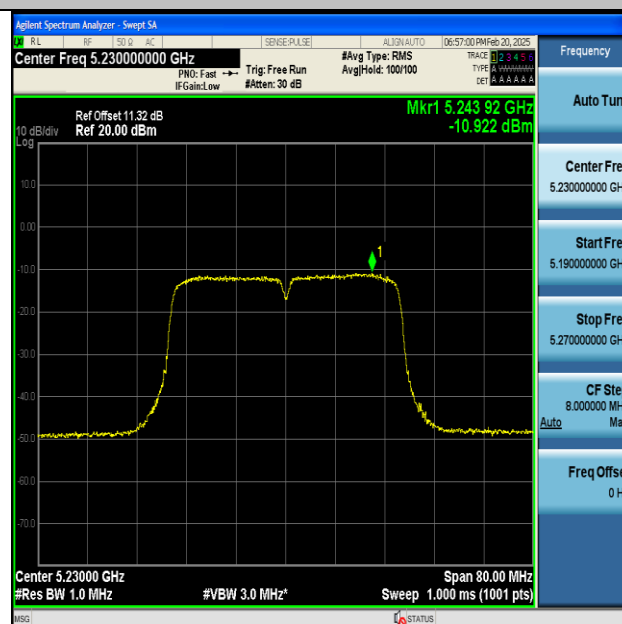
11N20SISO-Ant1-5200-PASS



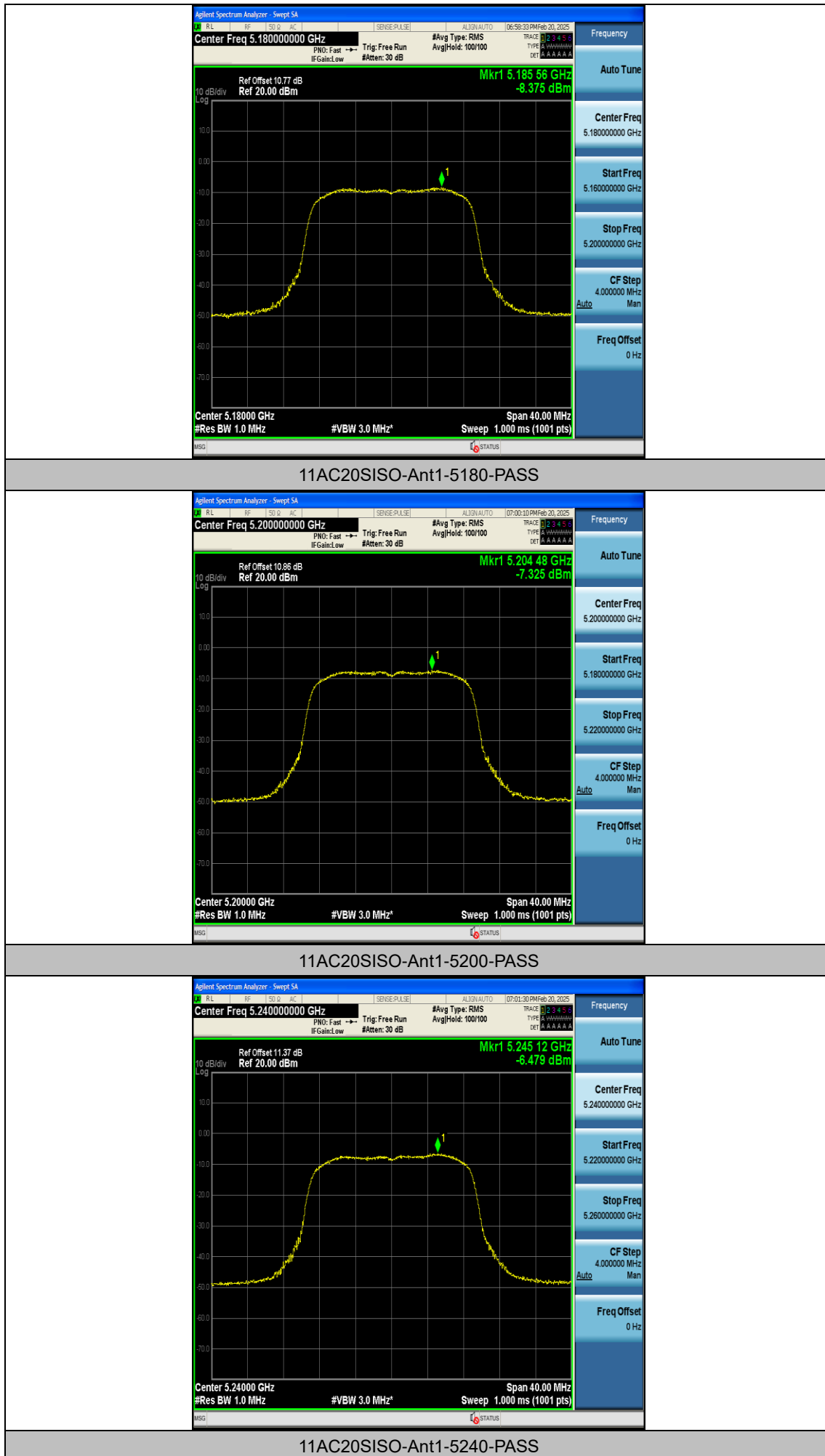
11N20SISO-Ant1-5240-PASS

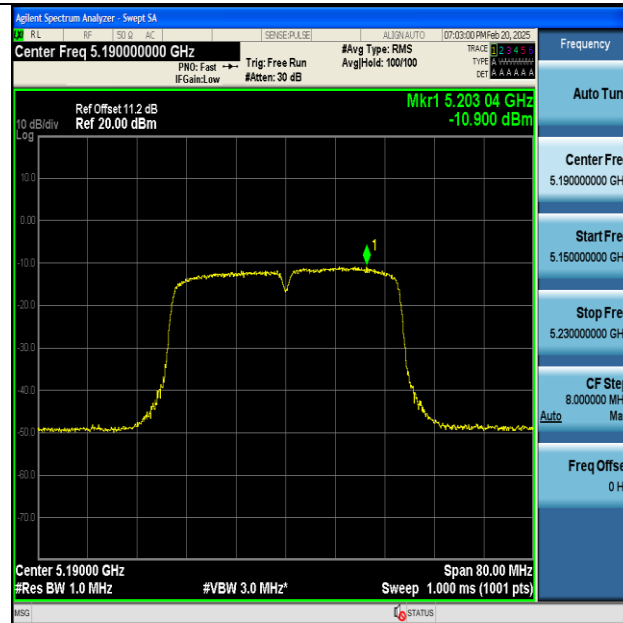


11N40SISO-Ant1-5190-PASS

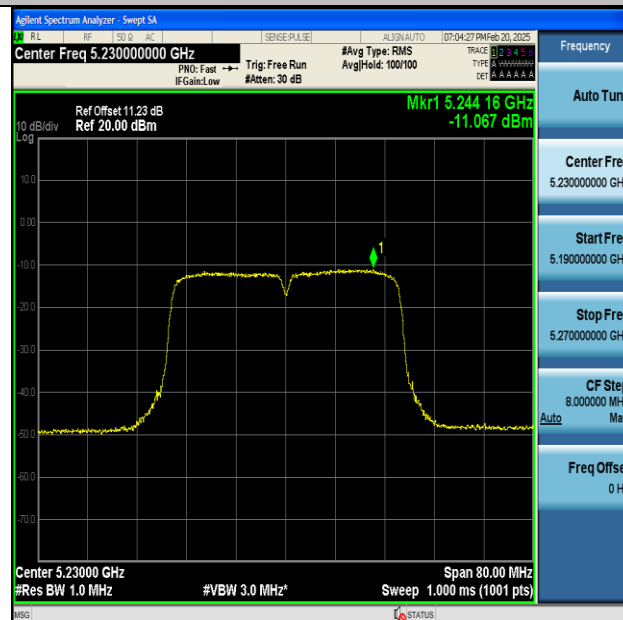


11N40SISO-Ant1-5230-PASS

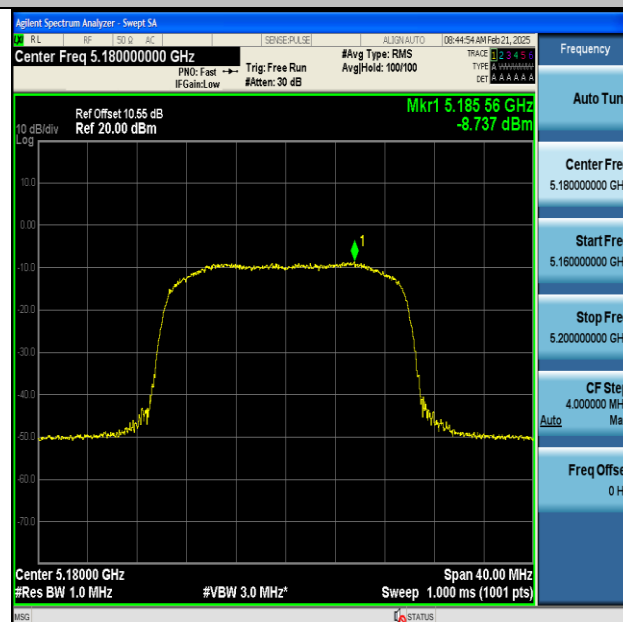




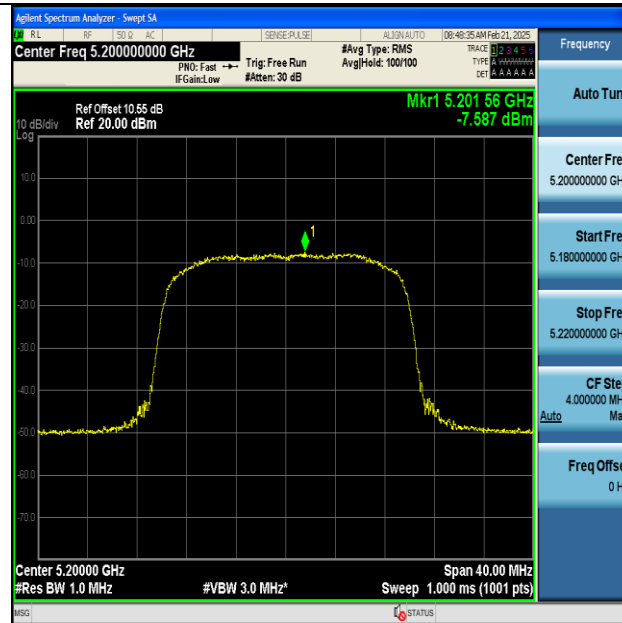
11AC40SISO-Ant1-5190-PASS



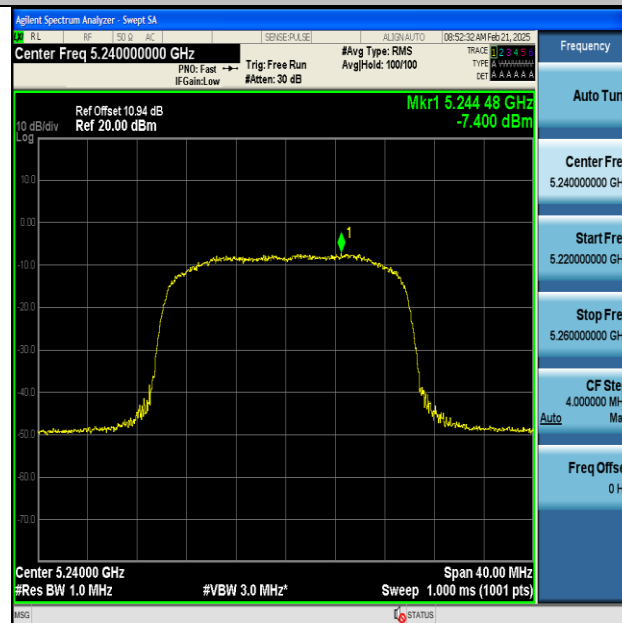
11AC40SISO-Ant1-5230-PASS



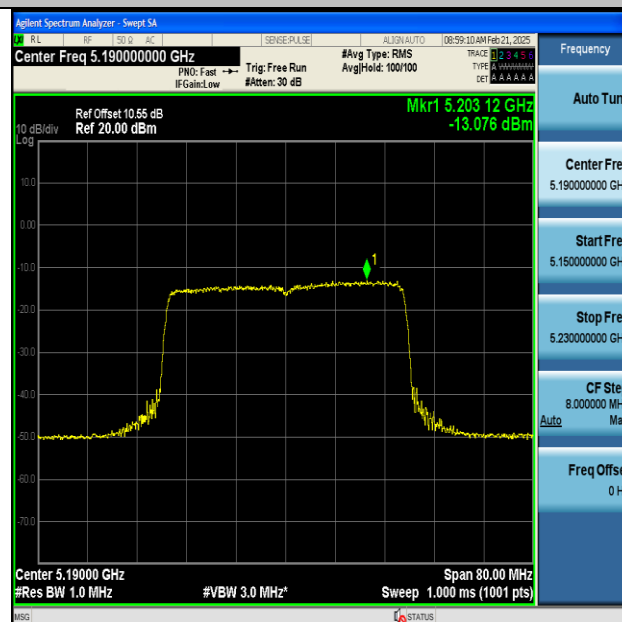
11AX20SISO-Ant1-5180-PASS



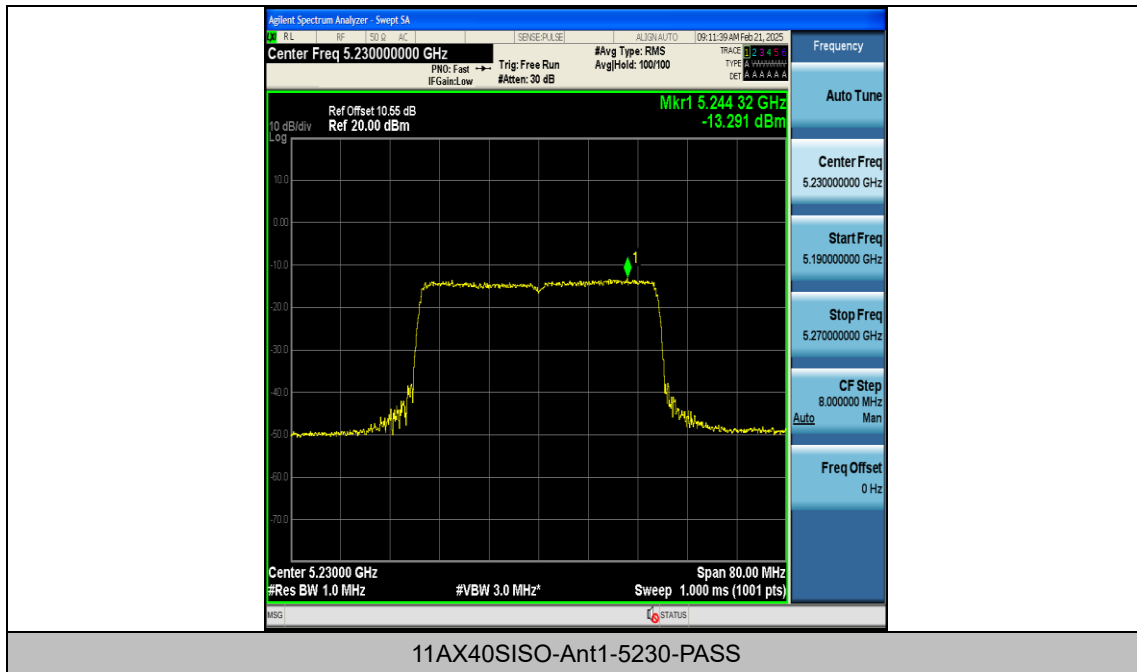
11AX20SISO-Ant1-5200-PASS



11AX20SISO-Ant1-5240-PASS



11AX40SISO-Ant1-5190-PASS

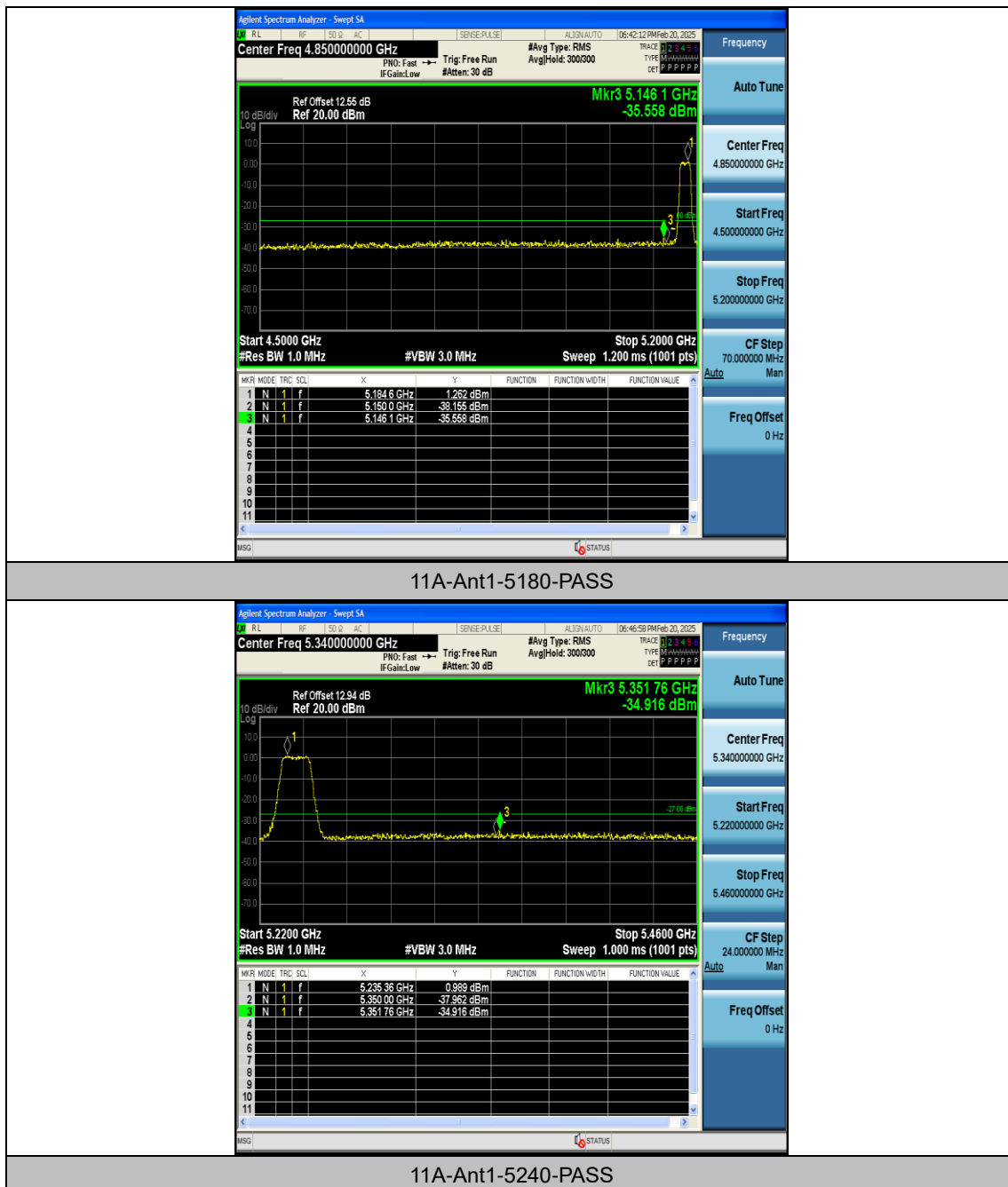


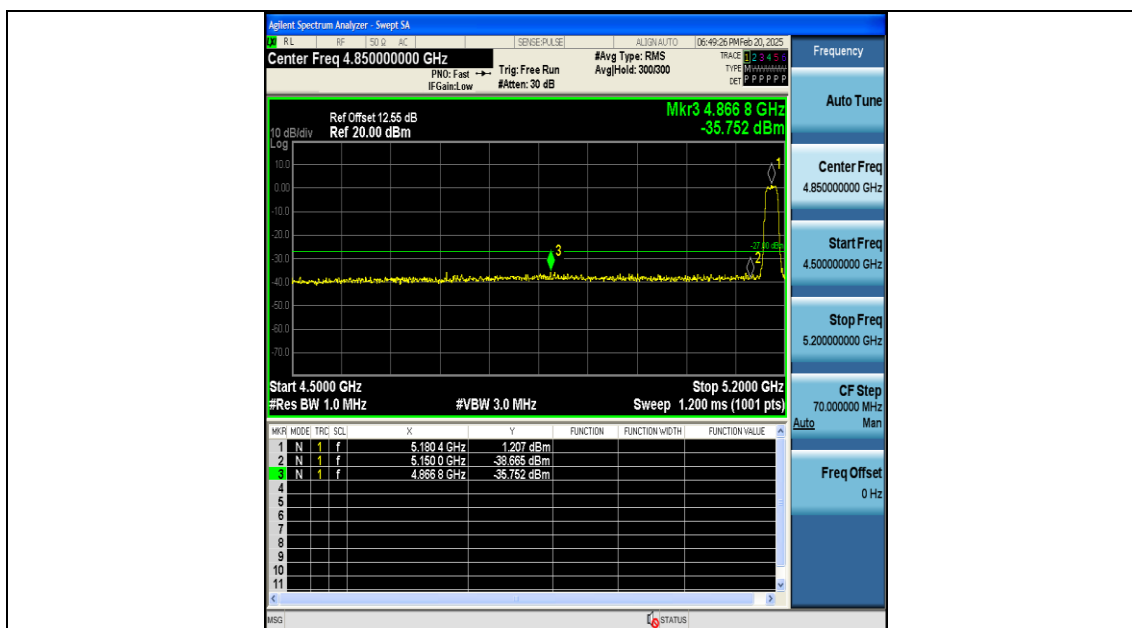
Appendix D: Band edge measurements

Test Result

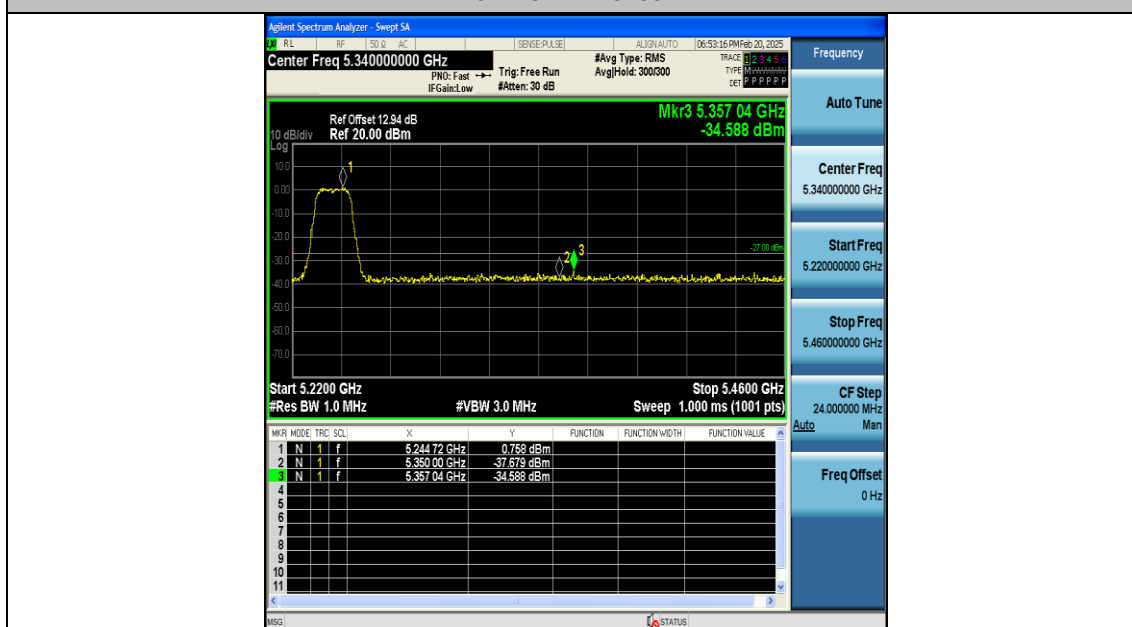
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5180	-35.56	≤-27	PASS
11A	Ant1	High	5240	-34.92	≤-27	PASS
11N20SISO	Ant1	Low	5180	-35.75	≤-27	PASS
11N20SISO	Ant1	High	5240	-34.59	≤-27	PASS
11N40SISO	Ant1	Low	5190	-35.75	≤-27	PASS
11N40SISO	Ant1	High	5230	-34.81	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-35.82	≤-27	PASS
11AC20SISO	Ant1	High	5240	-35.17	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-35.44	≤-27	PASS
11AC40SISO	Ant1	High	5230	-35.54	≤-27	PASS
11AX20SISO	Ant1	Low	5180	-35.83	≤-27	PASS
11AX20SISO	Ant1	High	5240	-34.91	≤-27	PASS
11AX40SISO	Ant1	Low	5190	-35.67	≤-27	PASS
11AX40SISO	Ant1	High	5230	-35.92	≤-27	PASS

Test Graphs

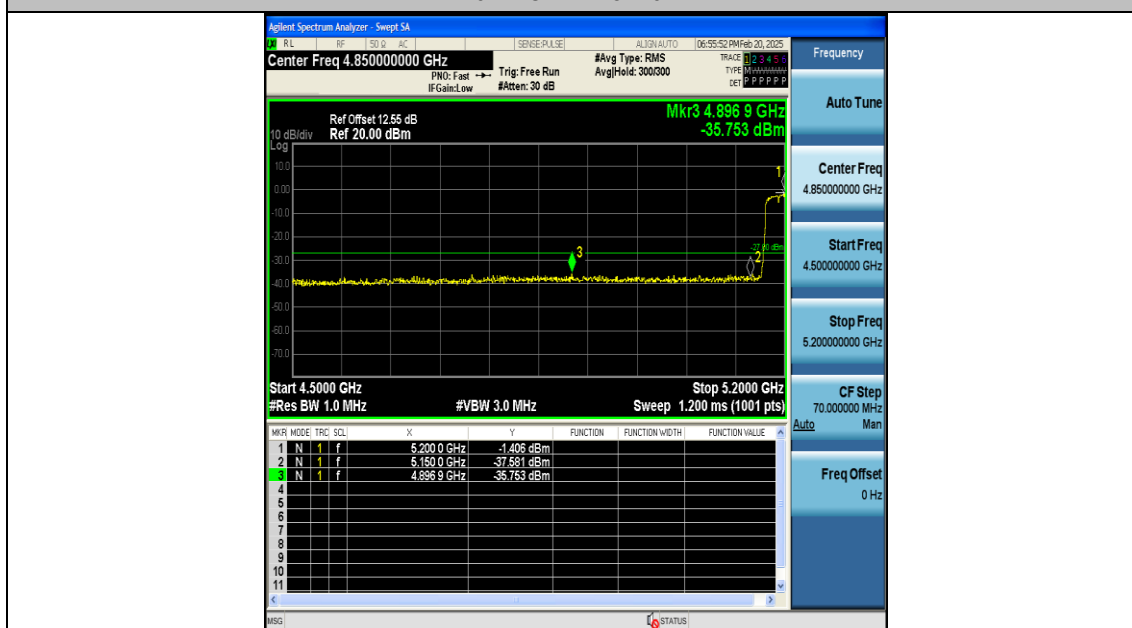




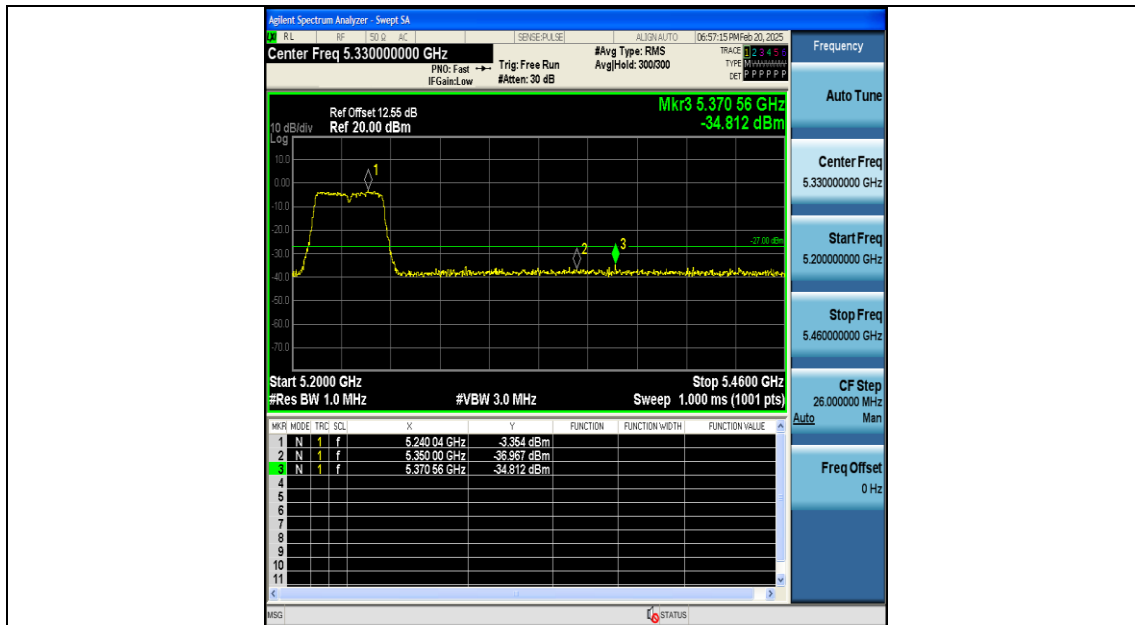
11N20SISO-Ant1-5180-PASS



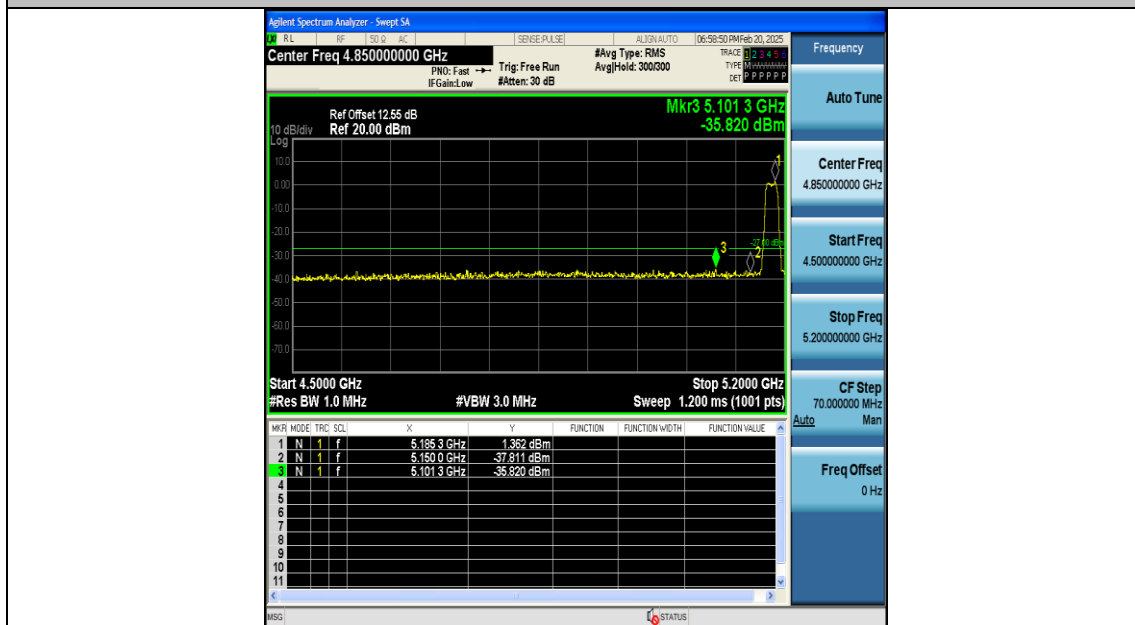
11N20SISO-Ant1-5240-PASS



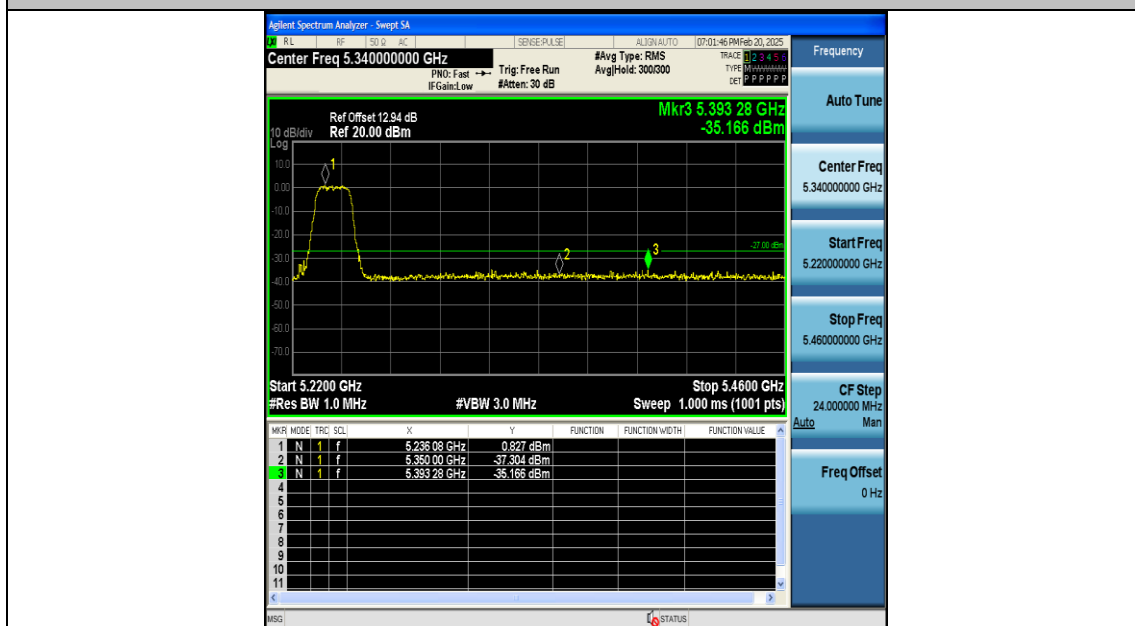
11N40SISO-Ant1-5190-PASS



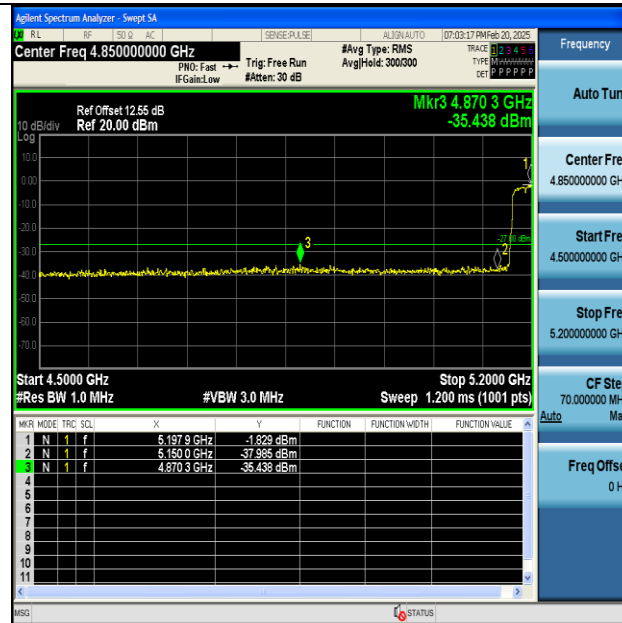
11N40SISO-Ant1-5230-PASS



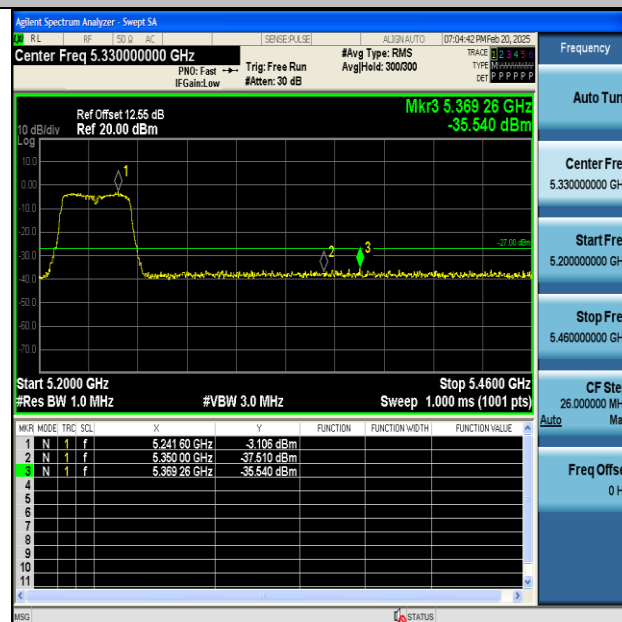
11AC20SISO-Ant1-5180-PASS



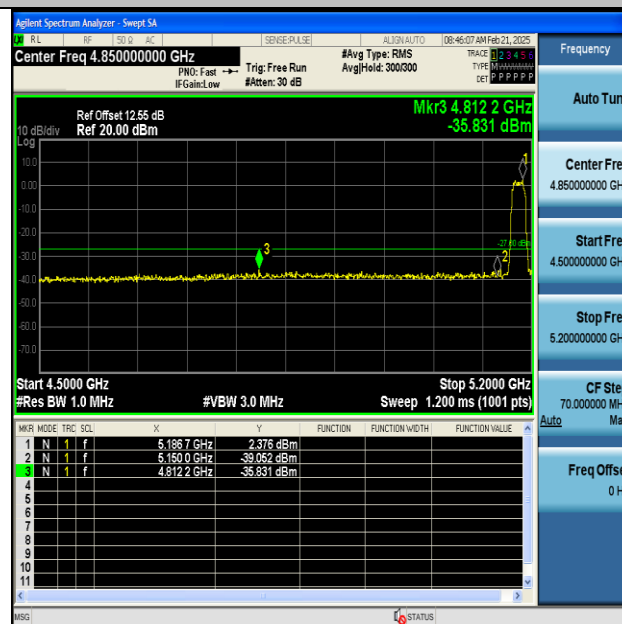
11AC20SISO-Ant1-5240-PASS



11AC40SISO-Ant1-5190-PASS



11AC40SISO-Ant1-5230-PASS



11AX20SISO-Ant1-5180-PASS