

RF Test Data for RLAN(5. 8G) (Conducted Measurement)

Product Name: BOLT

Trade Mark: 

Test Model: NB600BL

FCC ID: YMT-NB600

Environmental Conditions

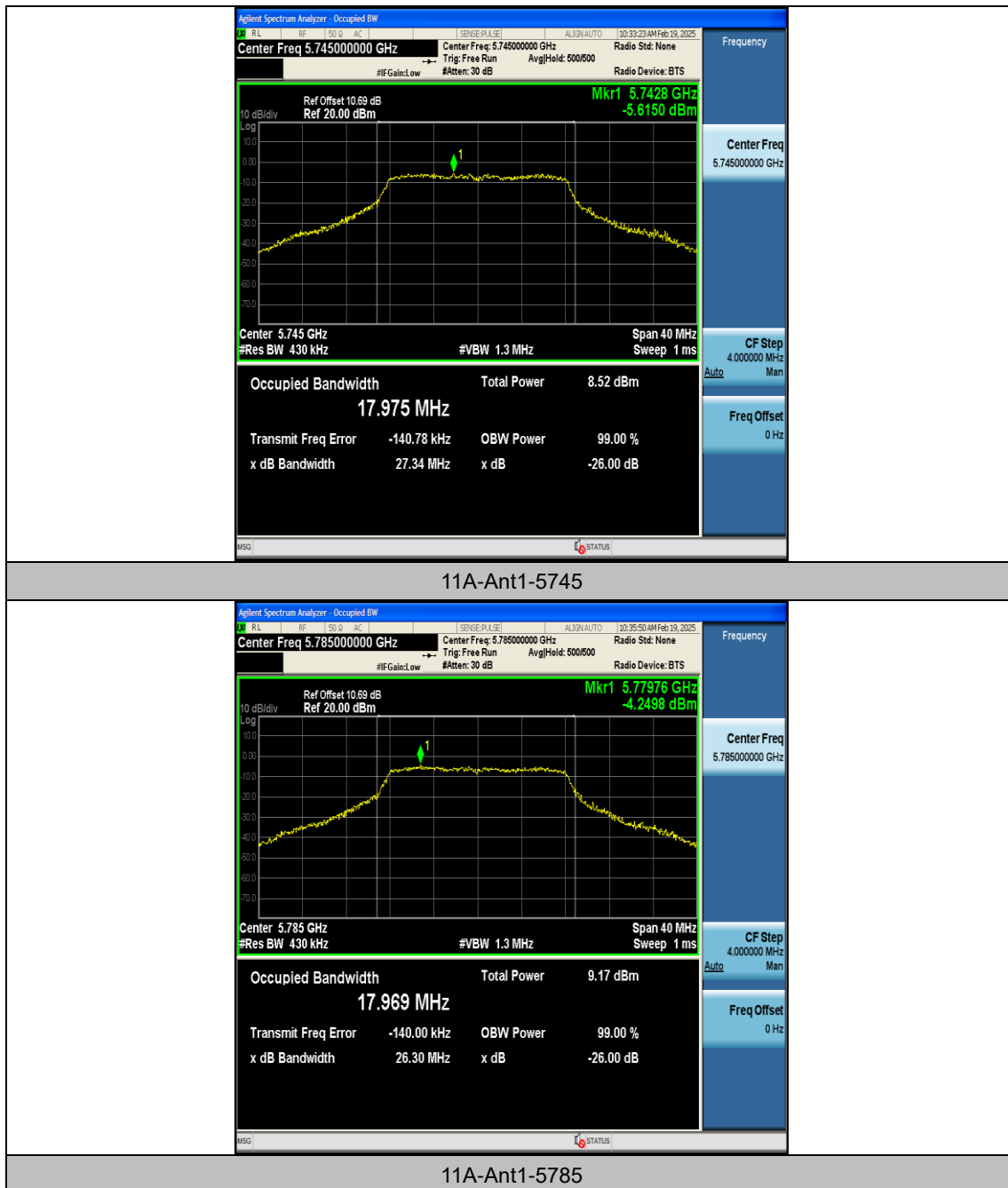
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

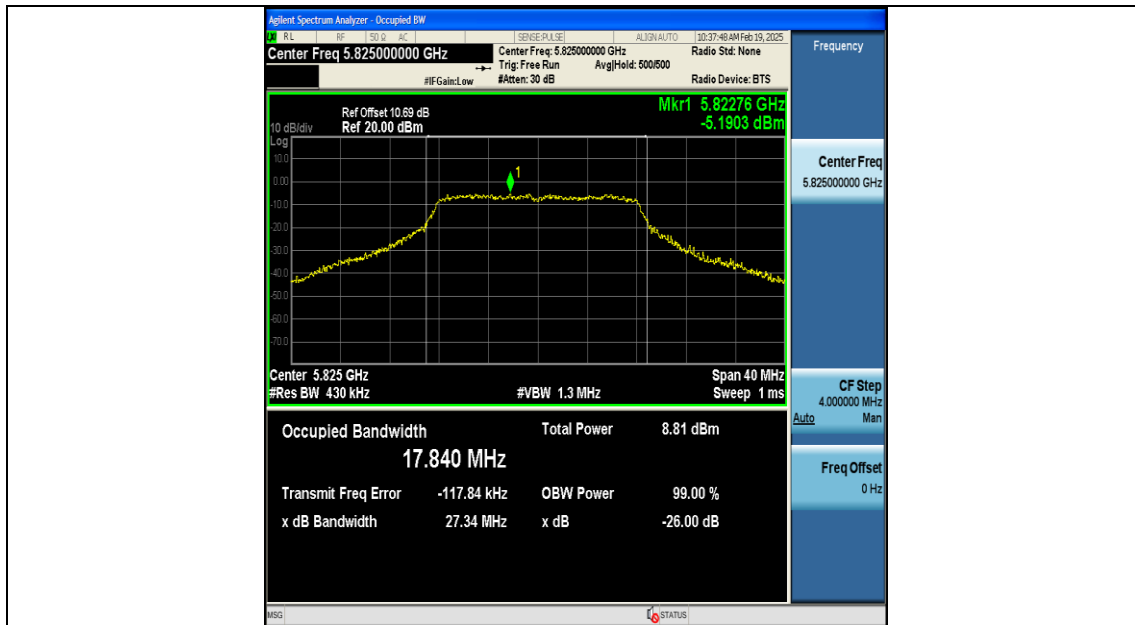
Appendix A2: Occupied channel bandwidth

Test Result

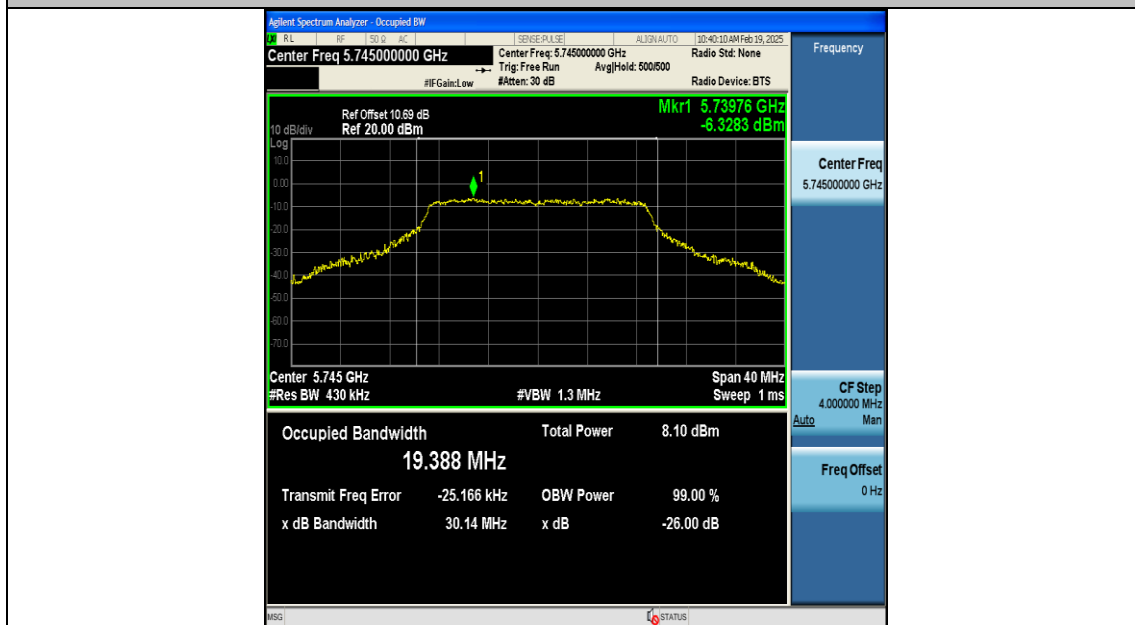
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	17.975	5735.8717	5753.8467	---	---
11A	Ant1	5785	17.969	5775.8755	5793.8445	---	---
11A	Ant1	5825	17.840	5815.9622	5833.8022	---	---
11N20SISO	Ant1	5745	19.388	5735.2808	5754.6688	---	---
11N20SISO	Ant1	5785	19.078	5775.4081	5794.4861	---	---
11N20SISO	Ant1	5825	18.949	5815.4543	5834.4033	---	---
11N40SISO	Ant1	5755	37.919	5736.2366	5774.1556	---	---
11N40SISO	Ant1	5795	37.810	5776.1443	5813.9543	---	---
11AC20SISO	Ant1	5745	19.194	5735.3412	5754.5352	---	---
11AC20SISO	Ant1	5785	18.969	5775.4759	5794.4449	---	---
11AC20SISO	Ant1	5825	18.995	5815.4355	5834.4305	---	---
11AC40SISO	Ant1	5755	37.904	5736.2350	5774.1390	---	---
11AC40SISO	Ant1	5795	37.729	5776.1779	5813.9069	---	---
11AX20SISO	Ant1	5745	19.656	5735.1810	5754.8370	---	---
11AX20SISO	Ant1	5785	19.589	5775.2119	5794.8009	---	---
11AX20SISO	Ant1	5825	19.641	5815.1503	5834.7913	---	---
11AX40SISO	Ant1	5755	38.641	5735.8445	5774.4855	---	---
11AX40SISO	Ant1	5795	38.534	5775.8117	5814.3457	---	---

Test Graphs

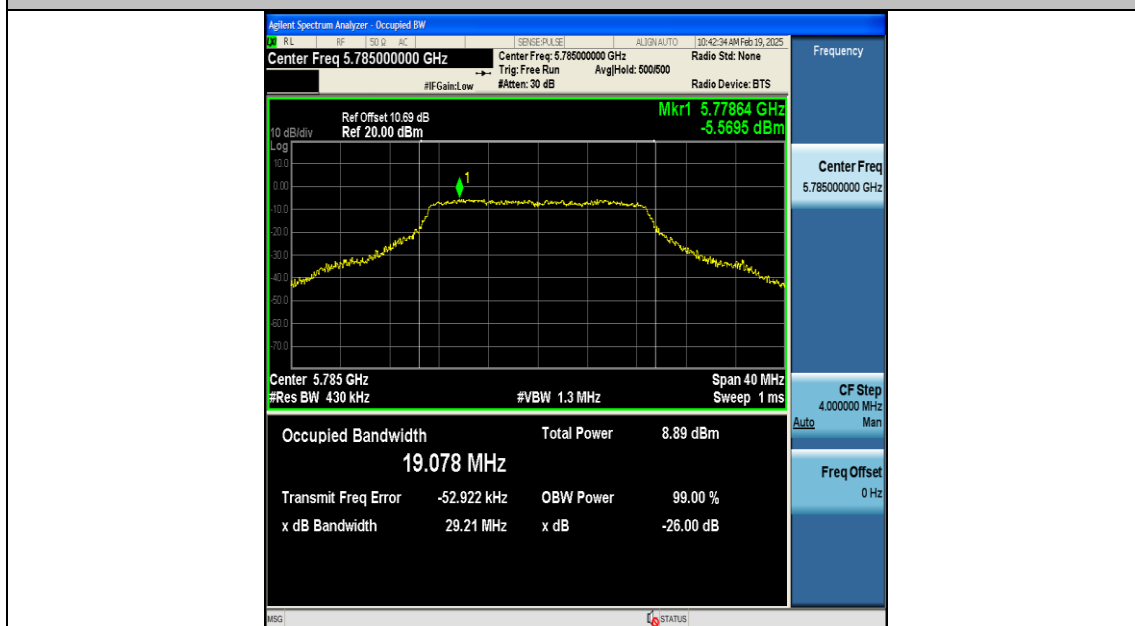




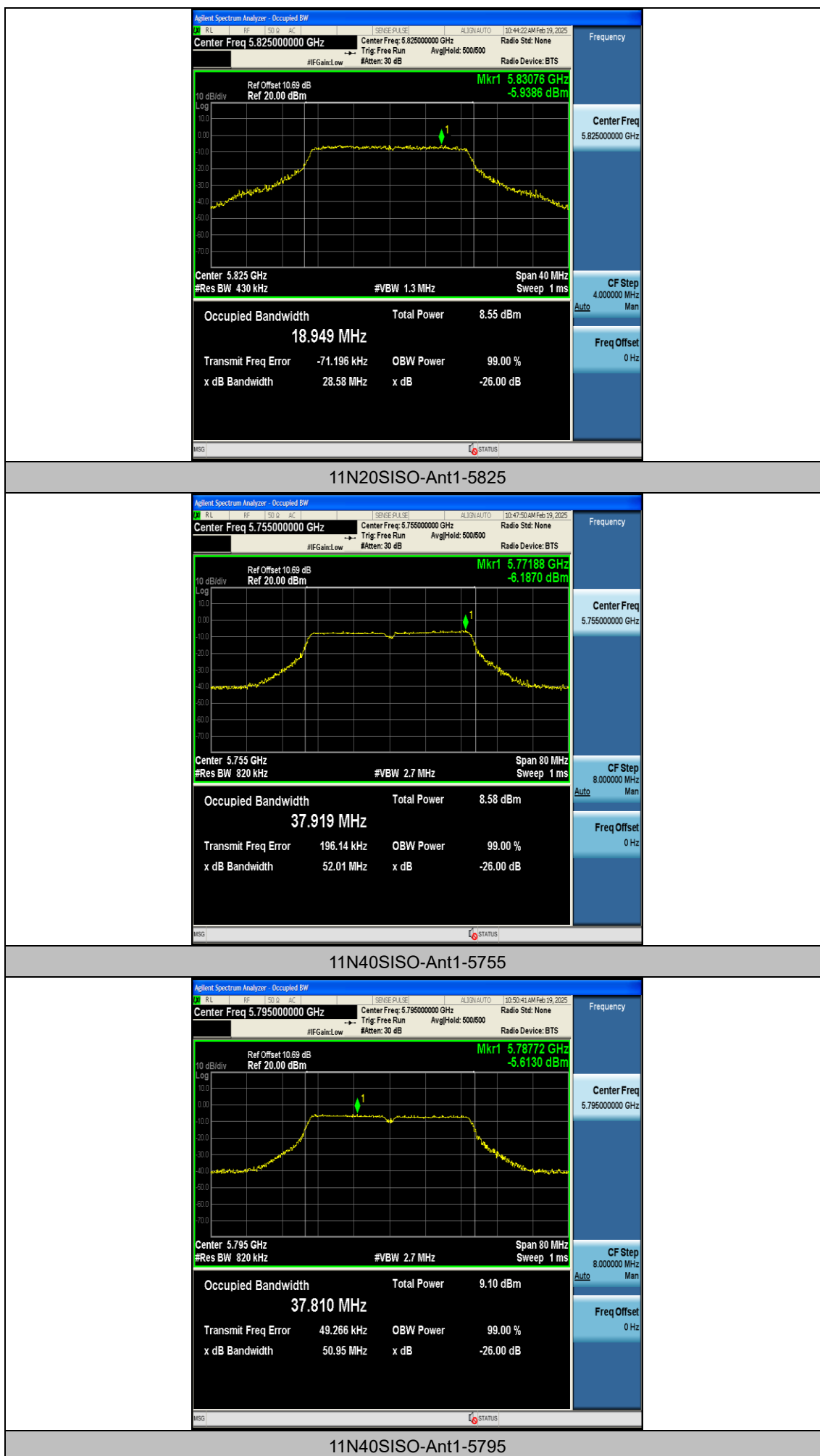
11A-Ant1-5825

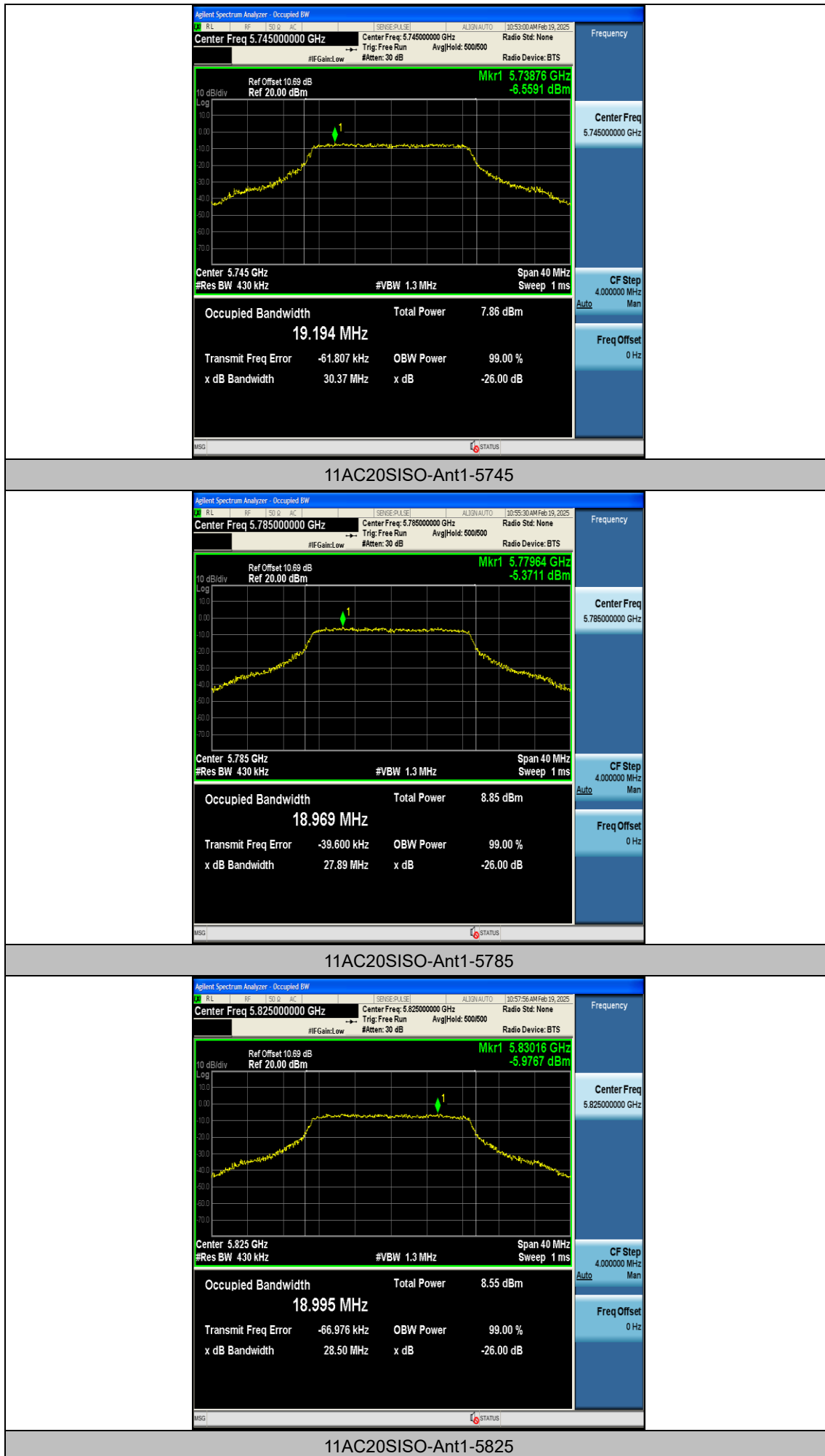


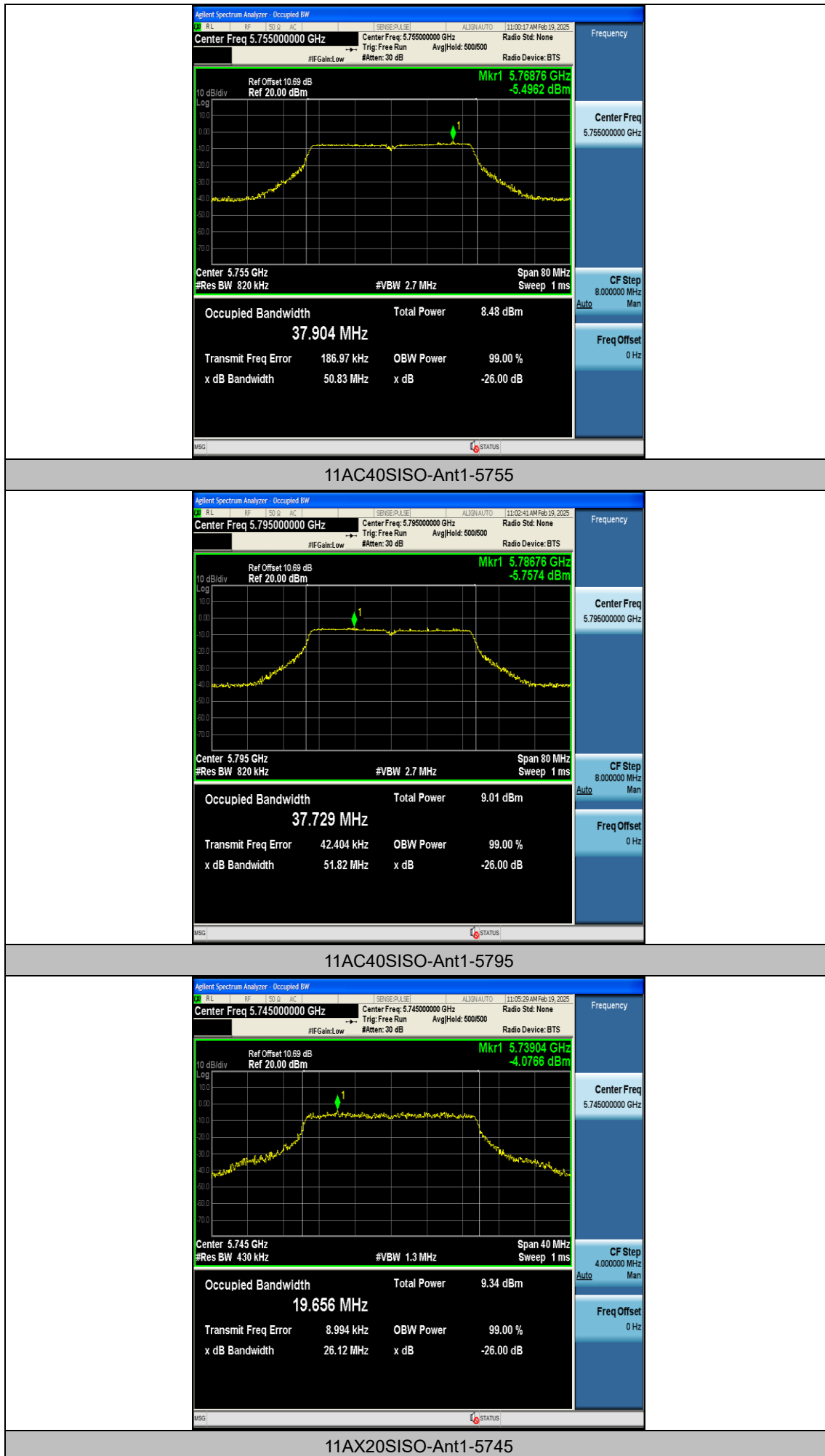
11N20SISO-Ant1-5745

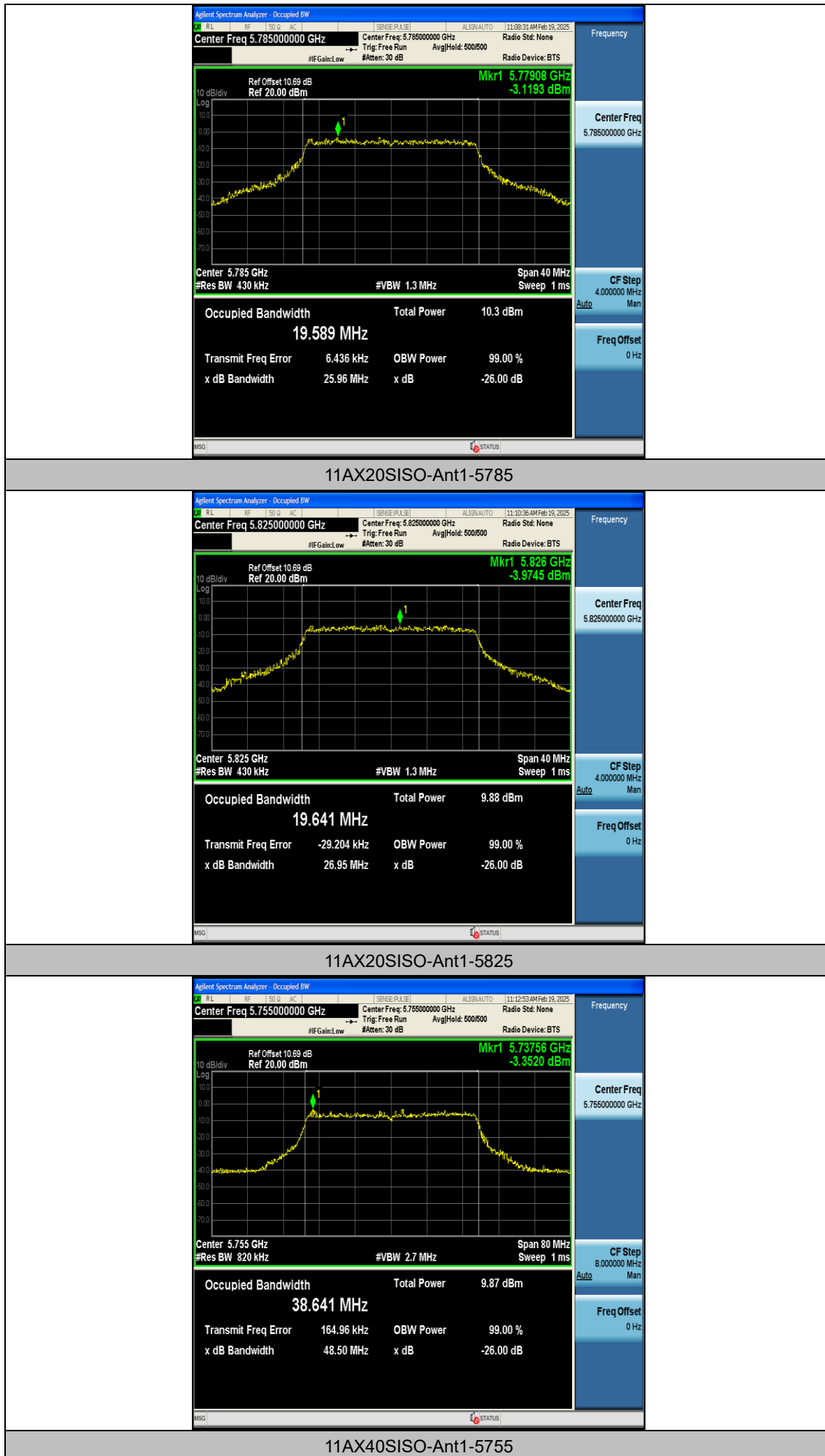


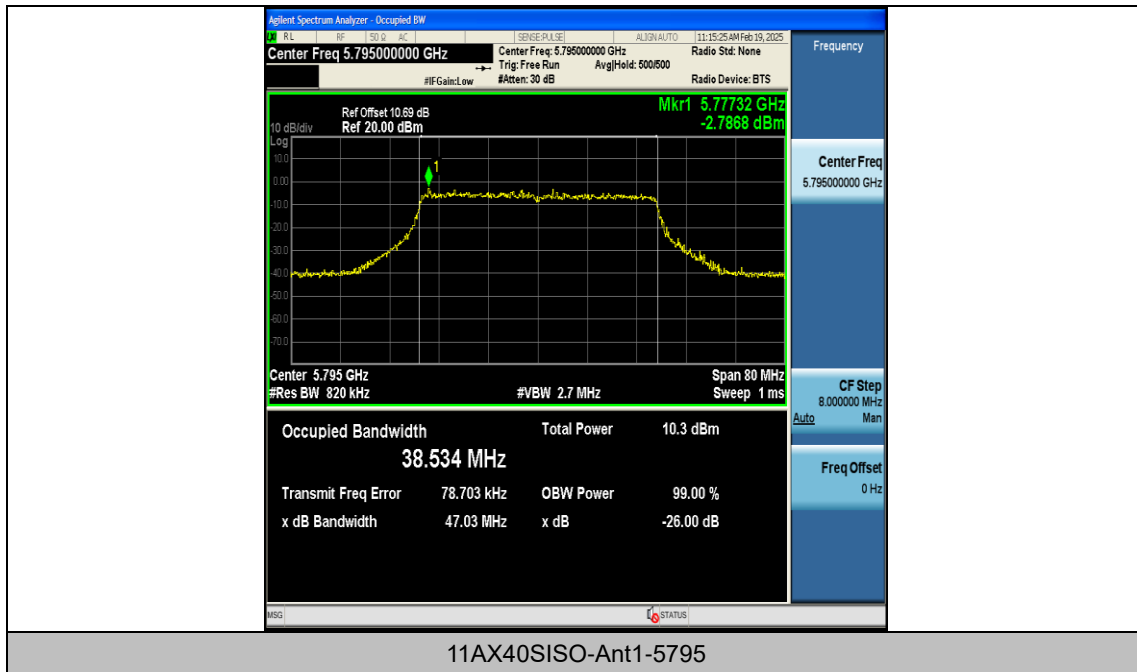
11N20SISO-Ant1-5785









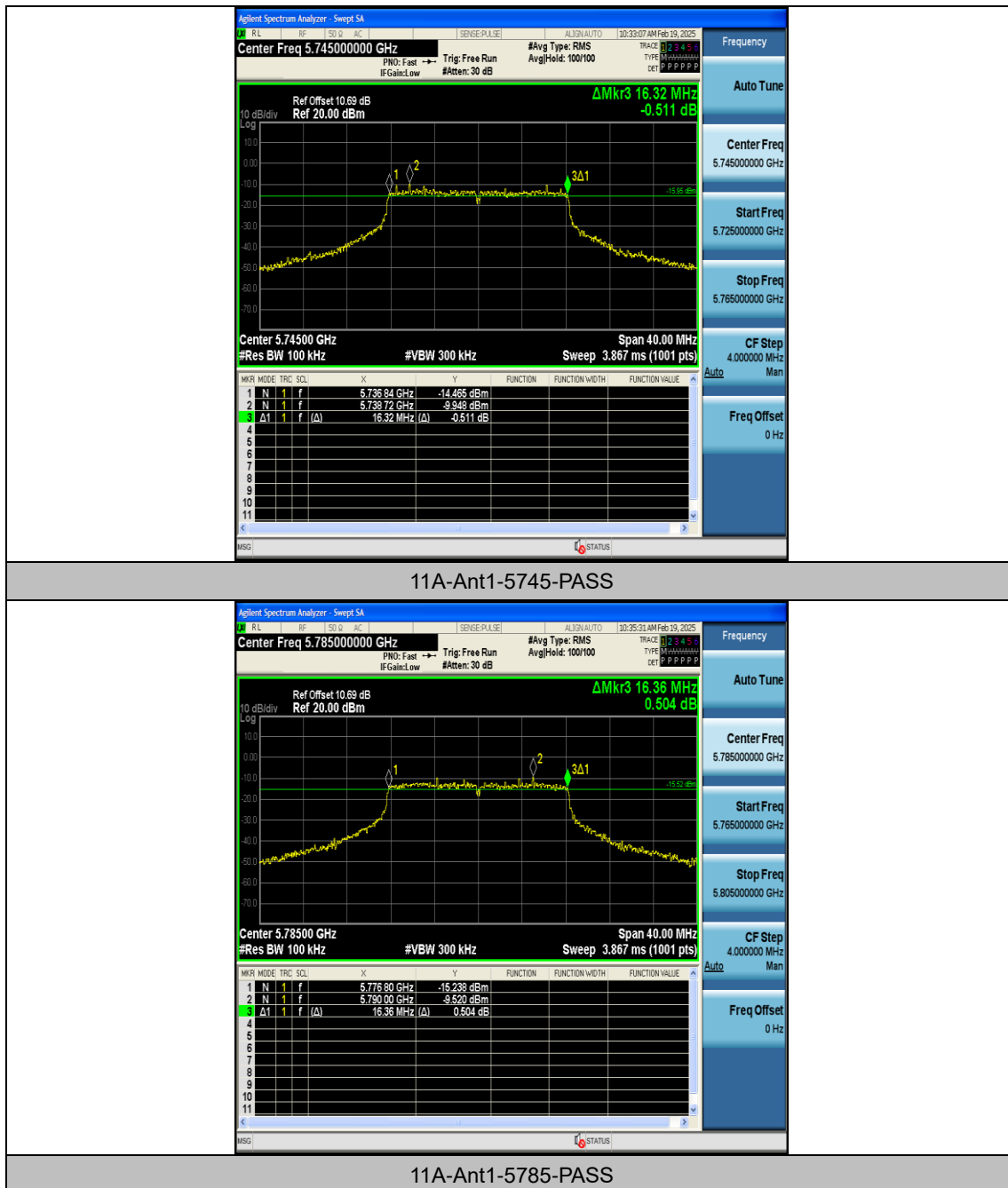


Appendix A: Min emission bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
11A	Ant1	5785	16.360	5776.800	5793.160	0.5	PASS
11A	Ant1	5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
11N20SISO	Ant1	5785	17.560	5776.200	5793.760	0.5	PASS
11N20SISO	Ant1	5825	17.560	5816.200	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
11N40SISO	Ant1	5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.640	5736.160	5753.800	0.5	PASS
11AC20SISO	Ant1	5785	17.560	5776.200	5793.760	0.5	PASS
11AC20SISO	Ant1	5825	17.560	5816.200	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
11AC40SISO	Ant1	5795	36.320	5776.840	5813.160	0.5	PASS
11AX20SISO	Ant1	5745	19.000	5735.480	5754.480	0.5	PASS
11AX20SISO	Ant1	5785	19.000	5775.480	5794.480	0.5	PASS
11AX20SISO	Ant1	5825	18.920	5815.560	5834.480	0.5	PASS
11AX40SISO	Ant1	5755	37.920	5736.120	5774.040	0.5	PASS
11AX40SISO	Ant1	5795	37.840	5776.040	5813.880	0.5	PASS

Test Graphs





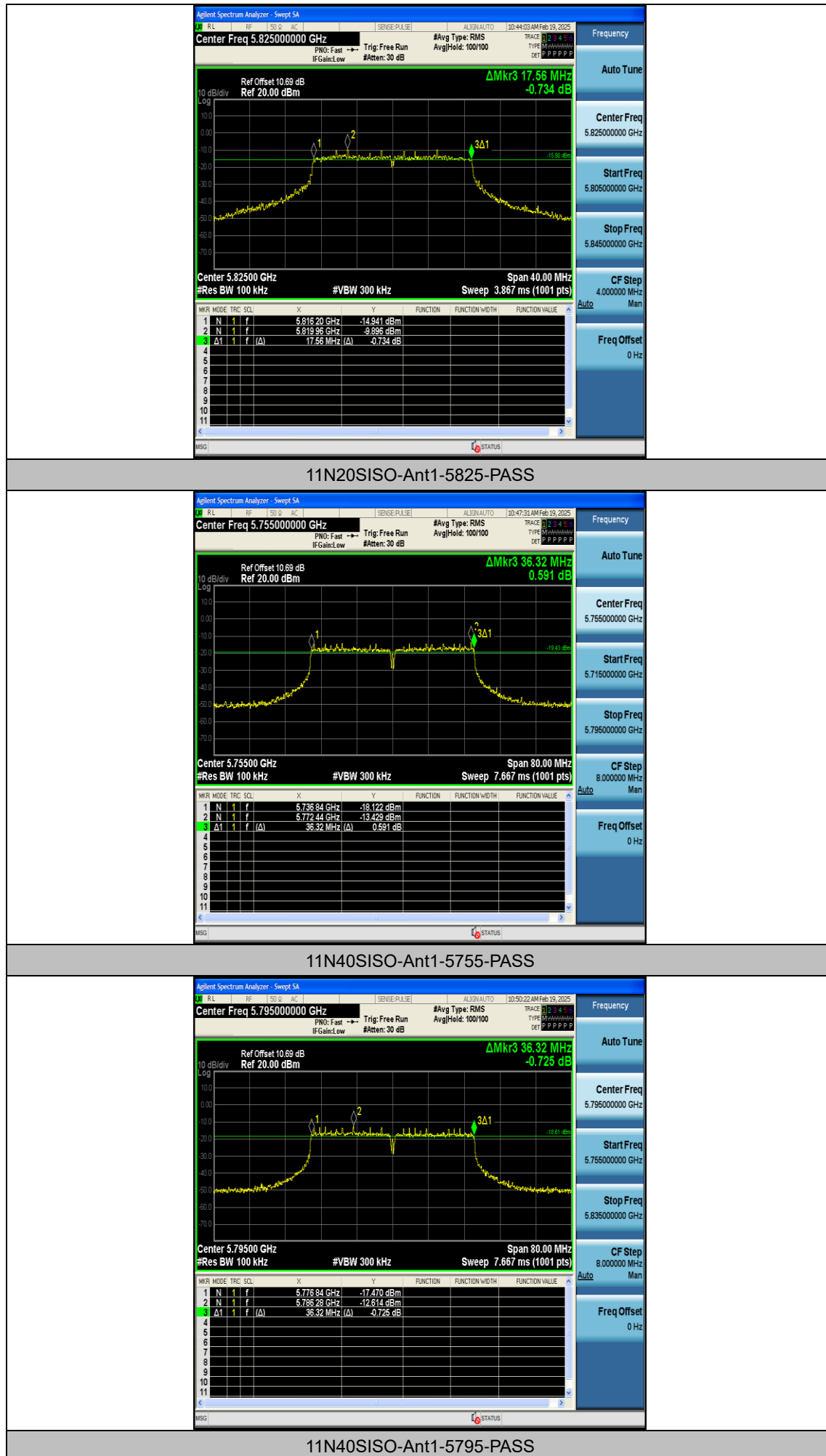
11A-Ant1-5825-PASS



11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5785-PASS





11AC20SISO-Ant1-5745-PASS



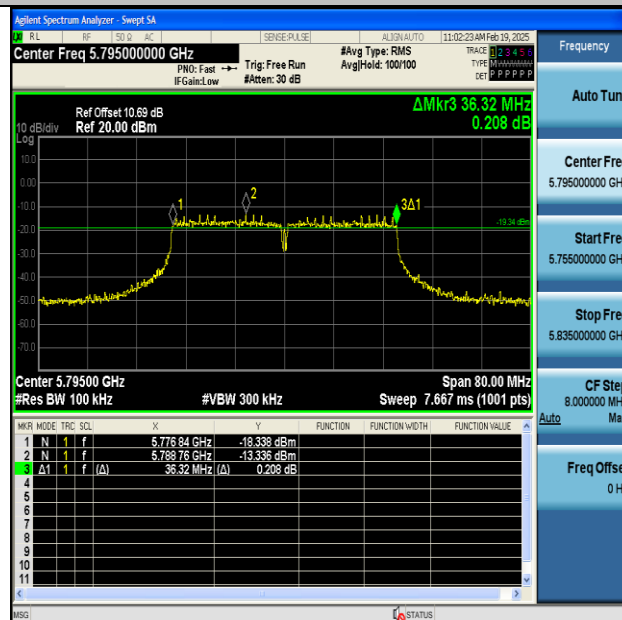
11AC20SISO-Ant1-5785-PASS



11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5755-PASS



11AC40SISO-Ant1-5795-PASS



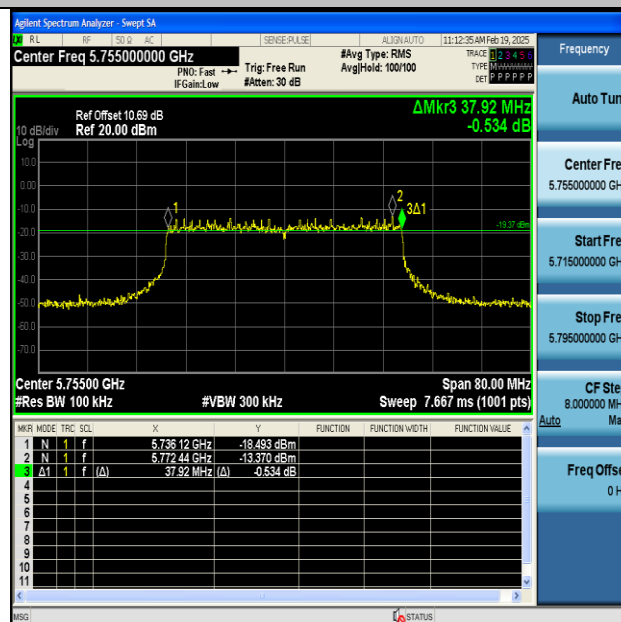
11AX20SISO-Ant1-5745-PASS



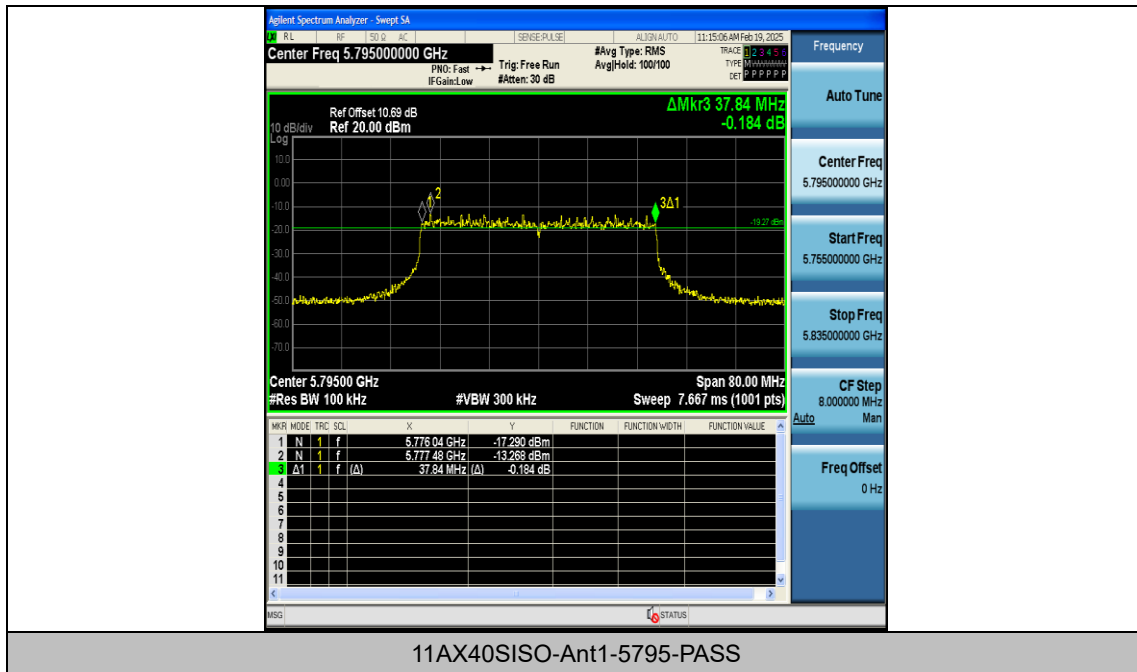
11AX20SISO-Ant1-5785-PASS



11AX20SISO-Ant1-5825-PASS



11AX40SISO-Ant1-5755-PASS



11AX40SISO-Ant1-5795-PASS

Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Power [dBm]	Conducted Limit [dBm]	Verdict
11A	Ant1	5745	1.71	≤30.00	PASS
11A	Ant1	5785	2.57	≤30.00	PASS
11A	Ant1	5825	2.16	≤30.00	PASS
11N20SISO	Ant1	5745	1.35	≤30.00	PASS
11N20SISO	Ant1	5785	2.12	≤30.00	PASS
11N20SISO	Ant1	5825	1.89	≤30.00	PASS
11N40SISO	Ant1	5755	1.51	≤30.00	PASS
11N40SISO	Ant1	5795	2.10	≤30.00	PASS
11AC20SISO	Ant1	5745	0.95	≤30.00	PASS
11AC20SISO	Ant1	5785	2.03	≤30.00	PASS
11AC20SISO	Ant1	5825	1.92	≤30.00	PASS
11AC40SISO	Ant1	5755	1.39	≤30.00	PASS
11AC40SISO	Ant1	5795	1.71	≤30.00	PASS
11AX20SISO	Ant1	5745	1.09	≤30.00	PASS
11AX20SISO	Ant1	5785	2.27	≤30.00	PASS
11AX20SISO	Ant1	5825	1.86	≤30.00	PASS
11AX40SISO	Ant1	5755	1.46	≤30.00	PASS
11AX40SISO	Ant1	5795	1.54	≤30.00	PASS

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

Appendix C: Maximum power spectral density

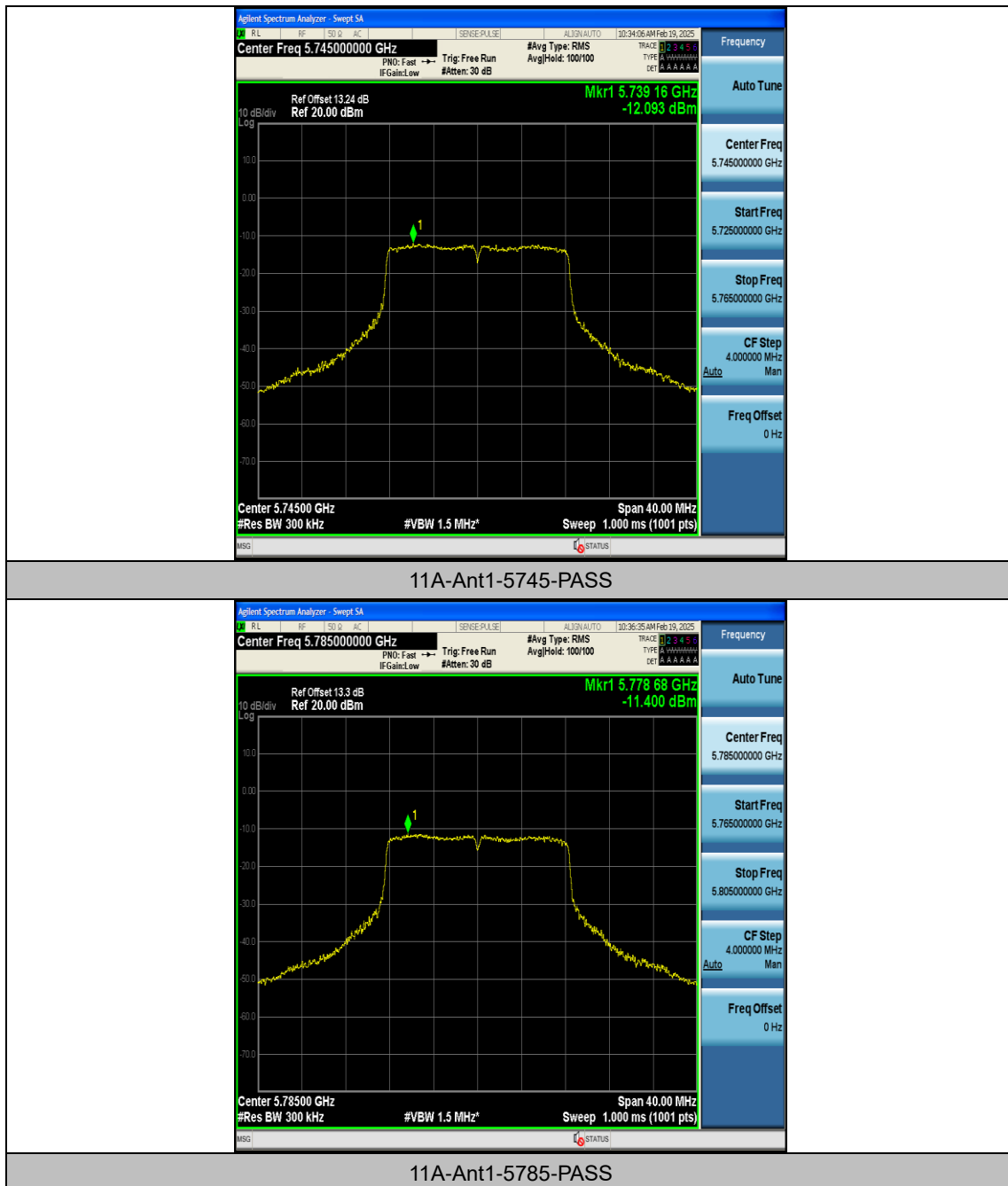
Test Result

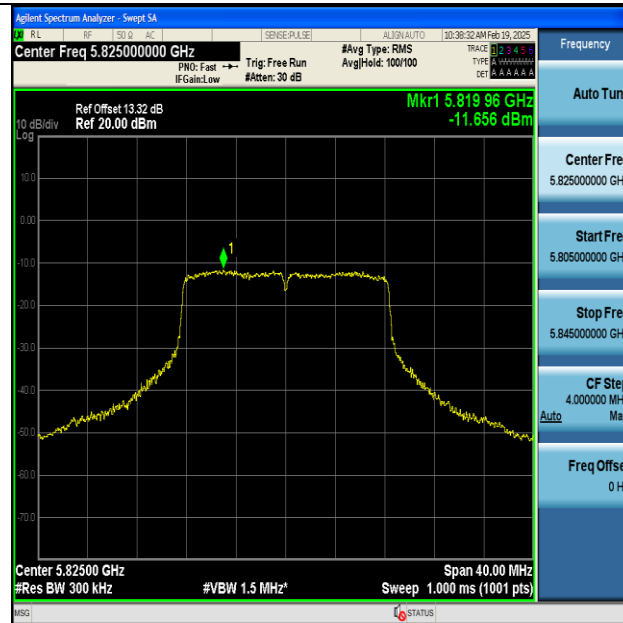
Frequency [MHz]	Test Mode	Antenna	Result [dBm/MHz]	DC Factor [dB]	RBW Factor [dB]	Limit [dBm/MHz]	Verdict
5745	11A	Ant1	-12.09	0.33	2.22	≤30.00	PASS
5785	11A	Ant1	-11.40	0.39	2.22	≤30.00	PASS
5825	11A	Ant1	-11.66	0.41	2.22	≤30.00	PASS
5745	11N20SI SO	Ant1	-12.67	0.31	2.22	≤30.00	PASS
5785	11N20SI SO	Ant1	-11.97	0.27	2.22	≤30.00	PASS
5825	11N20SI SO	Ant1	-12.13	0.33	2.22	≤30.00	PASS
5755	11N40SI SO	Ant1	-15.45	0.68	2.22	≤30.00	PASS
5795	11N40SI SO	Ant1	-15.24	0.69	2.22	≤30.00	PASS
5745	11AC20 SISO	Ant1	-13.07	0.24	2.22	≤30.00	PASS
5785	11AC20 SISO	Ant1	-12.18	0.24	2.22	≤30.00	PASS
5825	11AC20 SISO	Ant1	-12.17	0.39	2.22	≤30.00	PASS
5755	11AC40 SISO	Ant1	-15.56	0.69	2.22	≤30.00	PASS
5795	11AC40 SISO	Ant1	-15.44	0.40	2.22	≤30.00	PASS
5745	11AX20 SISO	Ant1	-13.04	0.45	2.22	≤30.00	PASS
5785	11AX20 SISO	Ant1	-11.86	0.59	2.22	≤30.00	PASS
5825	11AX20 SISO	Ant1	-12.36	0.48	2.22	≤30.00	PASS
5755	11AX40 SISO	Ant1	-15.42	0.89	2.22	≤30.00	PASS
5795	11AX40 SISO	Ant1	-15.69	0.39	2.22	≤30.00	PASS

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

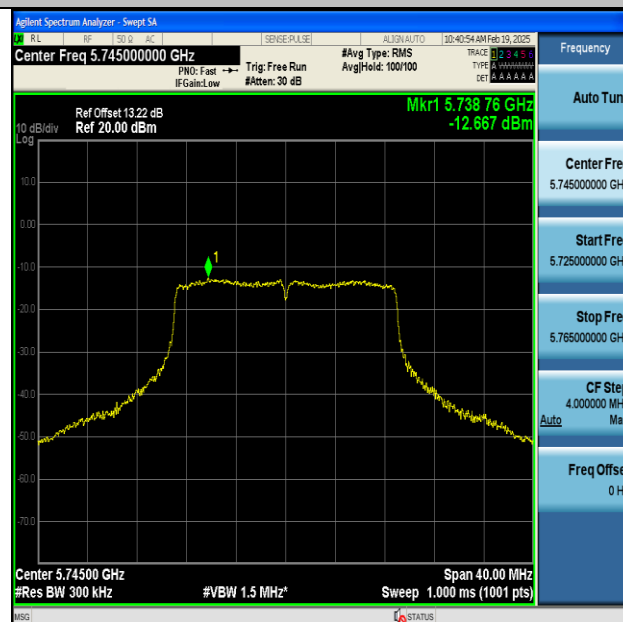
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs





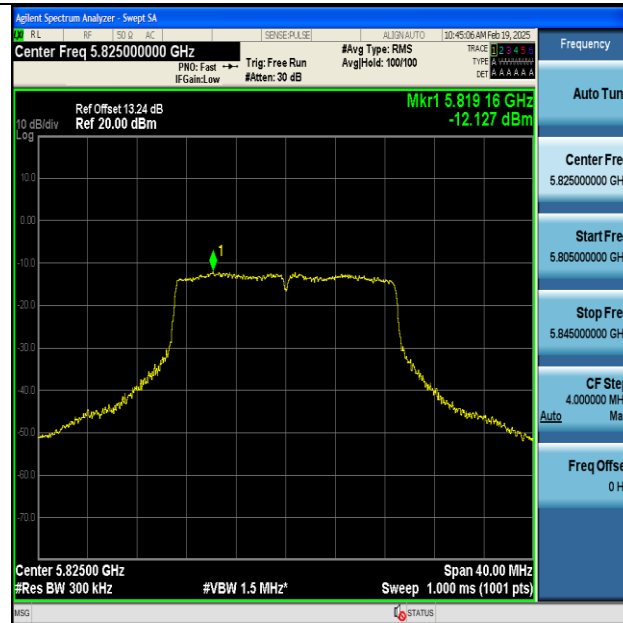
11A-Ant1-5825-PASS



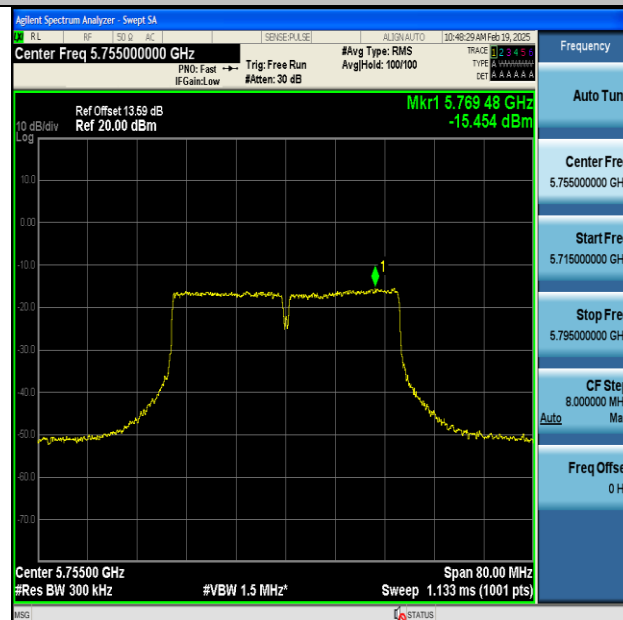
11N20SISO-Ant1-5745-PASS



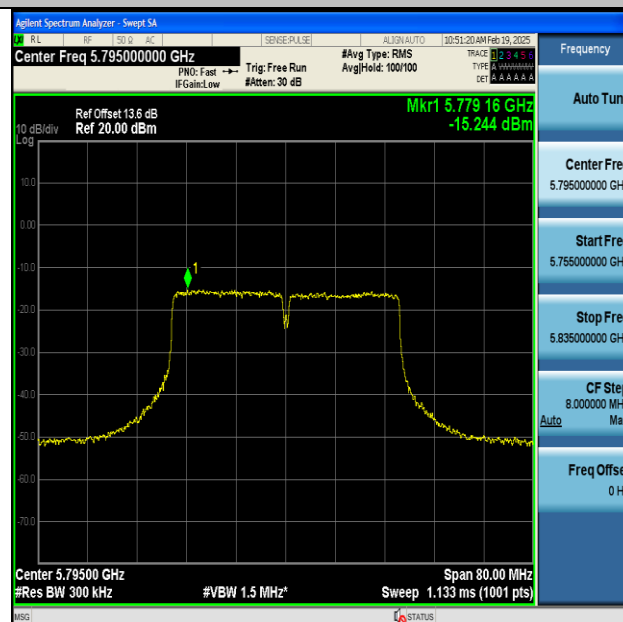
11N20SISO-Ant1-5785-PASS



11N20SISO-Ant1-5825-PASS



11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS



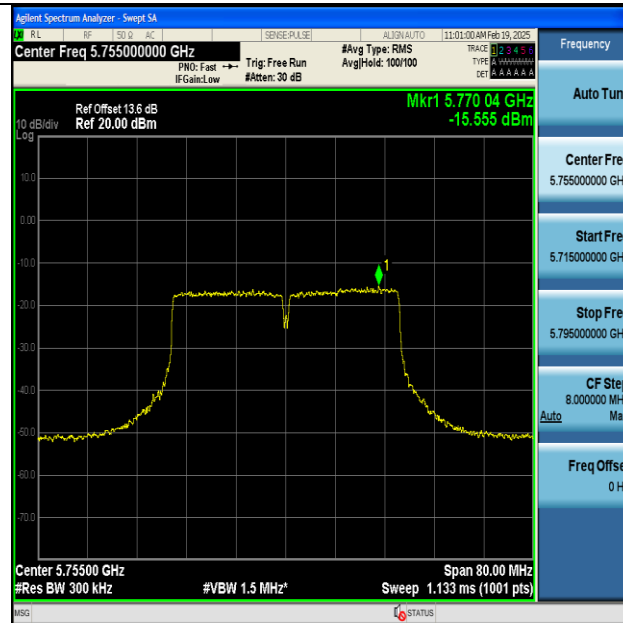
11AC20SISO-Ant1-5745-PASS



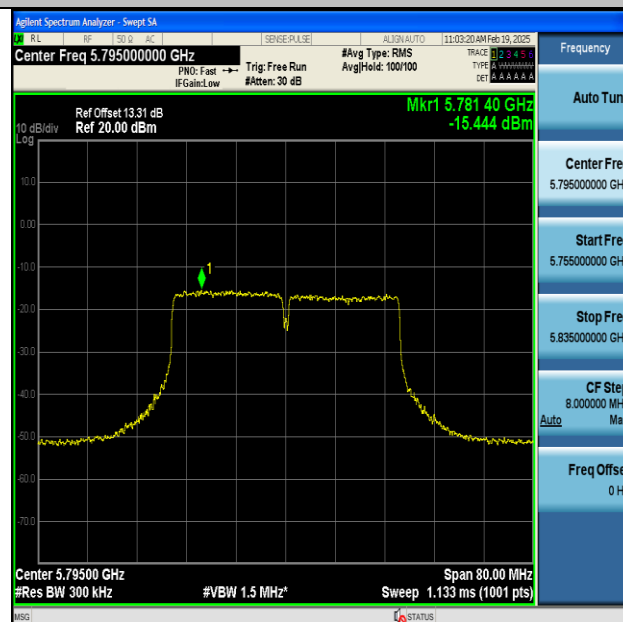
11AC20SISO-Ant1-5785-PASS



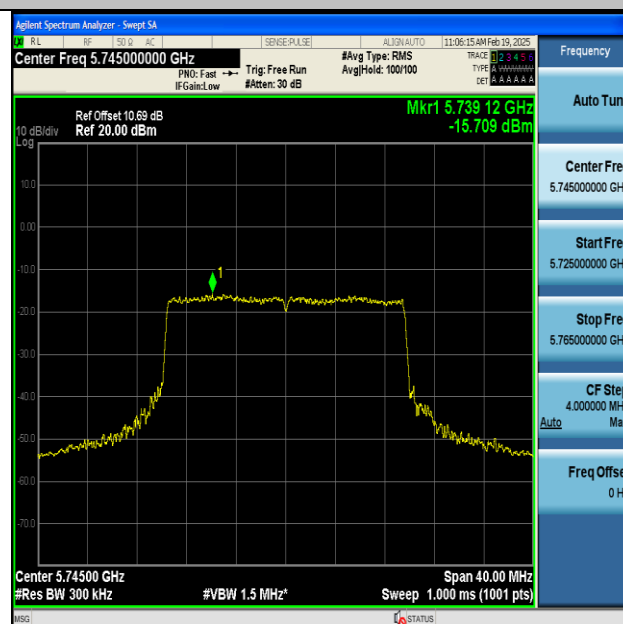
11AC20SISO-Ant1-5825-PASS



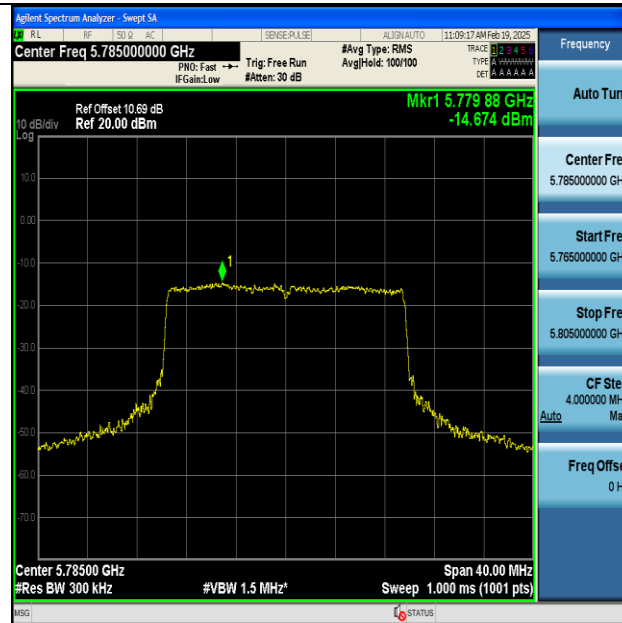
11AC40SISO-Ant1-5755-PASS



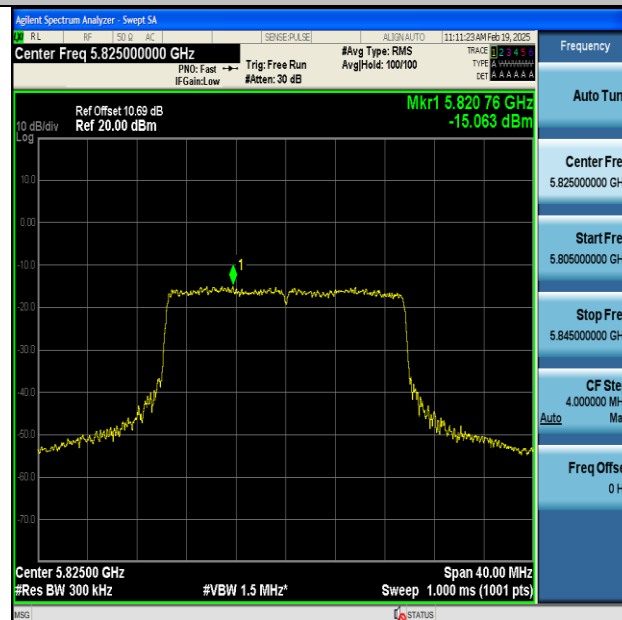
11AC40SISO-Ant1-5795-PASS



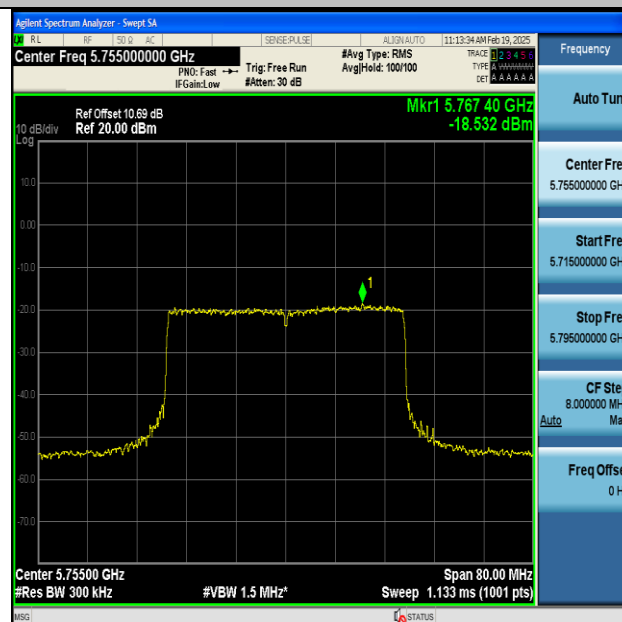
11AX20SISO-Ant1-5745-PASS



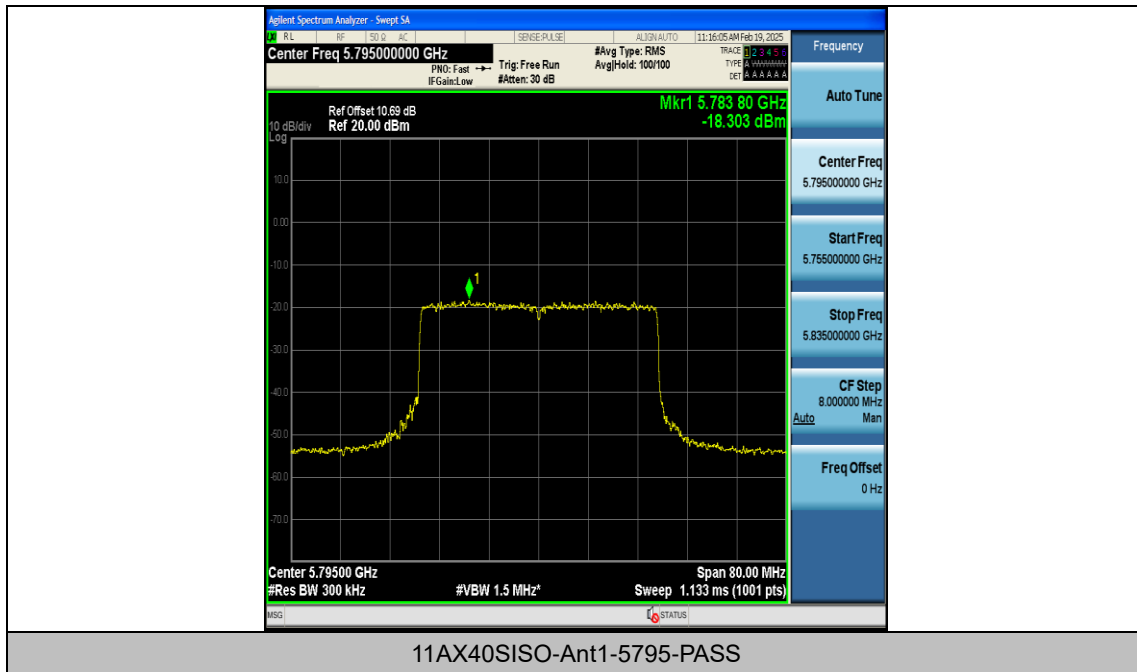
11AX20SISO-Ant1-5785-PASS



11AX20SISO-Ant1-5825-PASS



11AX40SISO-Ant1-5755-PASS



Appendix D: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Freq. Range [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-37.37	≤16.34	PASS
11A	Ant1	Low	5745	5700~5720	-37.19	≤10.12	PASS
11A	Ant1	Low	5745	5650~5700	-38.04	≤-26.96	PASS
11A	Ant1	Low	5745	5760~5650	-36.28	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-38.05	≤15.73	PASS
11A	Ant1	High	5825	5855~5875	-37.02	≤10.02	PASS
11A	Ant1	High	5825	5875~5925	-37.69	≤-26.81	PASS
11A	Ant1	High	5825	5925~5935	-36.33	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5720~5725	-38.13	≤15.82	PASS
11N20SI SO	Ant1	Low	5745	5700~5720	-36.89	≤10.15	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-37.6	≤-26.87	PASS
11N20SI SO	Ant1	Low	5745	5760~5650	-36.28	≤-27	PASS
11N20SI SO	Ant1	High	5825	5850~5855	-37.95	≤16.03	PASS
11N20SI SO	Ant1	High	5825	5855~5875	-36.64	≤10.13	PASS
11N20SI SO	Ant1	High	5825	5875~5925	-37.58	≤-26.71	PASS
11N20SI SO	Ant1	High	5825	5925~5935	-36.45	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5720~5725	-36.99	≤16.35	PASS
11N40SI SO	Ant1	Low	5755	5700~5720	-36.57	≤10.32	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-37.31	≤-26.60	PASS
11N40SI SO	Ant1	Low	5755	5780~5650	-36.96	≤-27	PASS
11N40SI SO	Ant1	High	5795	5850~5855	-37.56	≤16.03	PASS
11N40SI SO	Ant1	High	5795	5855~5875	-36.25	≤10.06	PASS
11N40SI SO	Ant1	High	5795	5875~5925	-37.29	≤-26.10	PASS
11N40SI SO	Ant1	High	5795	5925~5935	-36.65	≤-27	PASS
11AC20S	Ant1	Low	5745	5720~5725	-38.23	≤15.82	PASS

ISO							
11AC20S ISO	Ant1	Low	5745	5700~5720	-36.7	≤10.31	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-38.26	≤-26.96	PASS
11AC20S ISO	Ant1	Low	5745	5760~5650	-37.14	≤-27	PASS
11AC20S ISO	Ant1	High	5825	5850~5855	-37.17	≤16.03	PASS
11AC20S ISO	Ant1	High	5825	5855~5875	-37.14	≤10.17	PASS
11AC20S ISO	Ant1	High	5825	5875~5925	-36.43	≤-26.81	PASS
11AC20S ISO	Ant1	High	5825	5925~5935	-36.88	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5720~5725	-37.26	≤15.74	PASS
11AC40S ISO	Ant1	Low	5755	5700~5720	-35.98	≤10.25	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-37.71	≤-26.20	PASS
11AC40S ISO	Ant1	Low	5755	5780~5650	-36.01	≤-27	PASS
11AC40S ISO	Ant1	High	5795	5850~5855	-37.88	≤16.03	PASS
11AC40S ISO	Ant1	High	5795	5855~5875	-36.52	≤10.66	PASS
11AC40S ISO	Ant1	High	5795	5875~5925	-38.02	≤-26.83	PASS
11AC40S ISO	Ant1	High	5795	5925~5935	-36.87	≤-27	PASS
11AX20SI SO	Ant1	Low	5745	5720~5725	-37.87	≤16.08	PASS
11AX20SI SO	Ant1	Low	5745	5700~5720	-36.78	≤10.28	PASS
11AX20SI SO	Ant1	Low	5745	5650~5700	-36.8	≤-26.36	PASS
11AX20SI SO	Ant1	Low	5745	5760~5650	-36.78	≤-27	PASS
11AX20SI SO	Ant1	High	5825	5850~5855	-37.02	≤15.73	PASS
11AX20SI SO	Ant1	High	5825	5855~5875	-36.46	≤10.89	PASS
11AX20SI SO	Ant1	High	5825	5875~5925	-37.03	≤-26.91	PASS
11AX20SI SO	Ant1	High	5825	5925~5935	-36.15	≤-27	PASS

11AX40SI SO	Ant1	Low	5755	5720~5725	-37.13	≤ 15.74	PASS
11AX40SI SO	Ant1	Low	5755	5700~5720	-36.89	≤ 10.17	PASS
11AX40SI SO	Ant1	Low	5755	5650~5700	-37.34	≤ -26.50	PASS
11AX40SI SO	Ant1	Low	5755	5780~5650	-37.52	≤ -27	PASS
11AX40SI SO	Ant1	High	5795	5850~5855	-36.35	≤ 15.66	PASS
11AX40SI SO	Ant1	High	5795	5855~5875	-35.99	≤ 10.76	PASS
11AX40SI SO	Ant1	High	5795	5875~5925	-37.81	≤ -26.71	PASS
11AX40SI SO	Ant1	High	5795	5925~5935	-37.07	≤ -27	PASS

Test Graphs

