

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	19.480	5735.360	5754.840	---	---
11A	Ant1	5785	19.360	5775.440	5794.800	---	---
11A	Ant1	5825	18.960	5815.600	5834.560	---	---
11N20SISO	Ant1	5745	20.000	5735.160	5755.160	---	---
11N20SISO	Ant1	5785	20.040	5775.040	5795.080	---	---
11N20SISO	Ant1	5825	20.200	5814.760	5834.960	---	---

Test Graphs




11N20SISO-Ant1-5745

11N20SISO-Ant1-5785

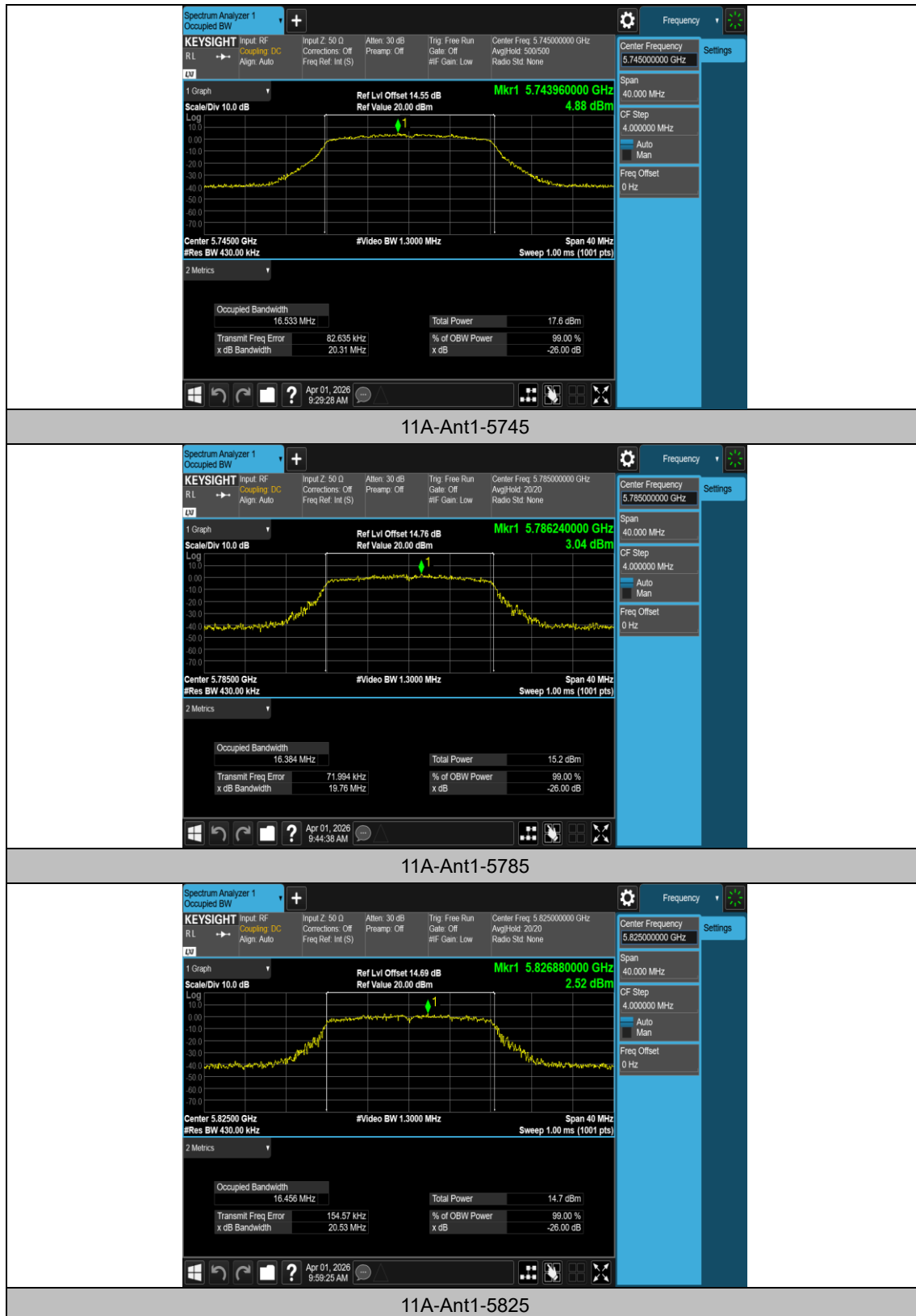
11N20SISO-Ant1-5825

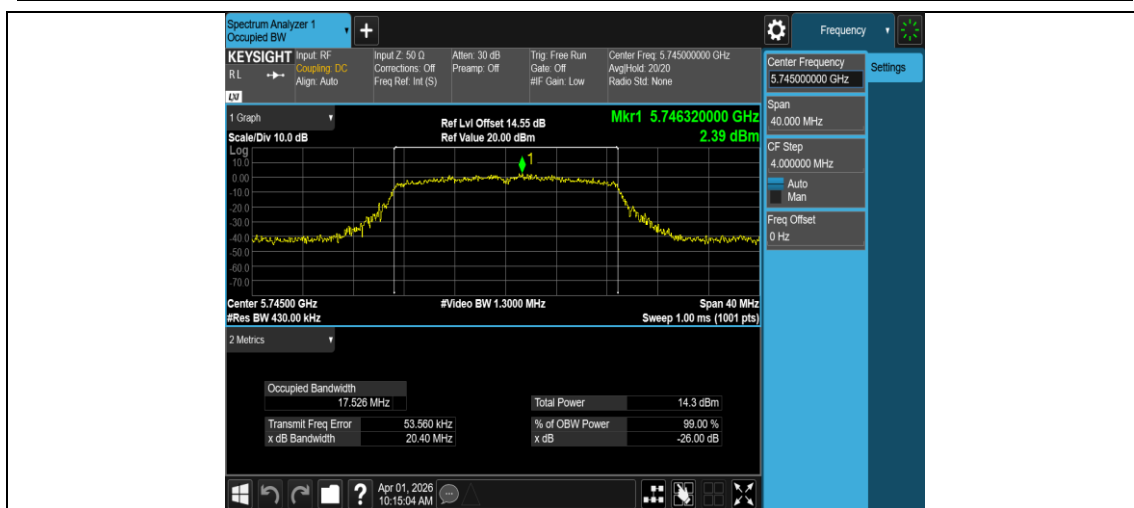
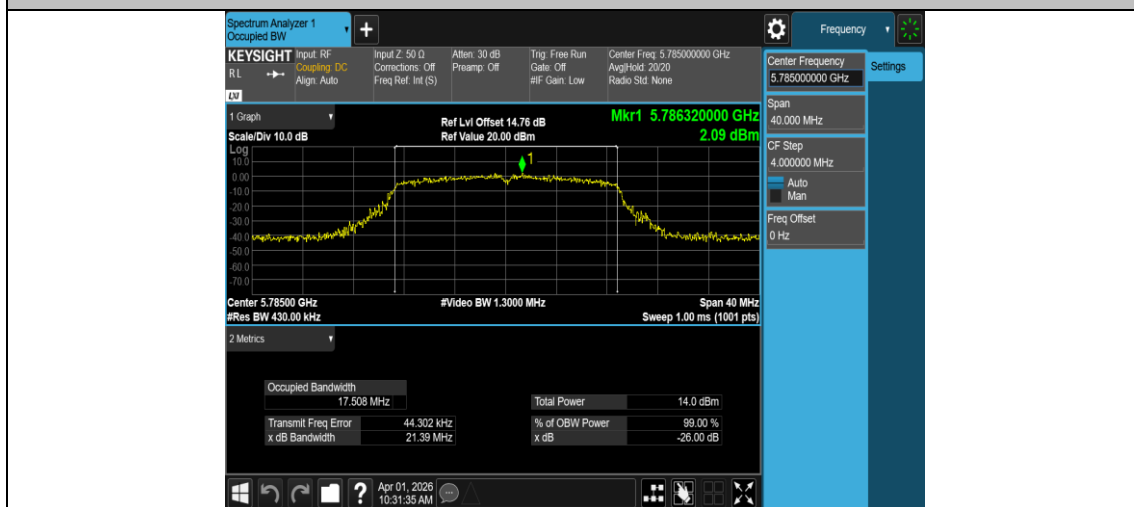
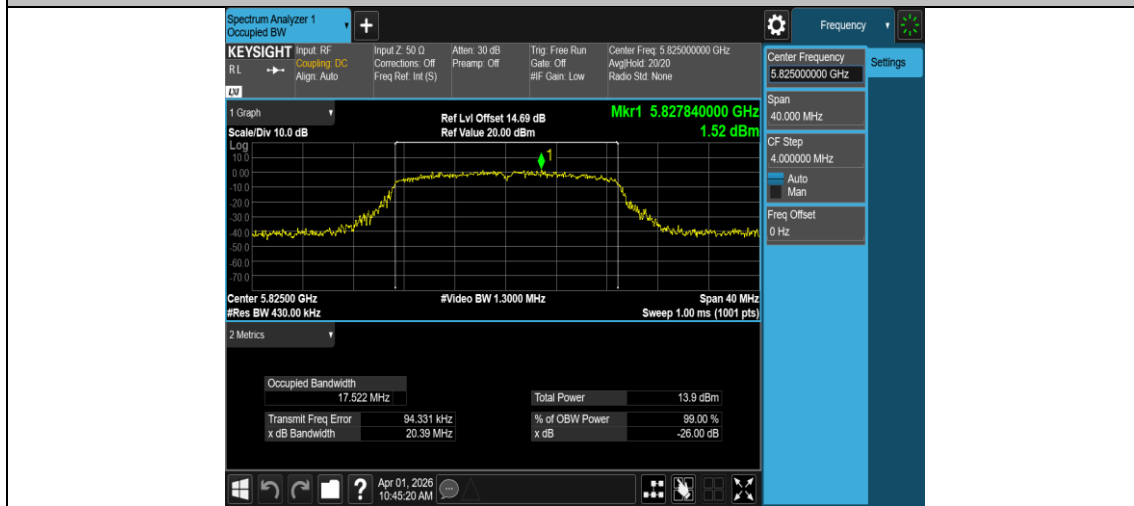
Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.533	5736.8161	5753.3491	---	---
11A	Ant1	5785	16.384	5776.8800	5793.2640	---	---
11A	Ant1	5825	16.456	5816.9266	5833.3826	---	---
11N20SISO	Ant1	5745	17.526	5736.2906	5753.8166	---	---
11N20SISO	Ant1	5785	17.508	5776.2903	5793.7983	---	---
11N20SISO	Ant1	5825	17.522	5816.3333	5833.8553	---	---

Test Graphs




11N20SISO-Ant1-5745

11N20SISO-Ant1-5785

11N20SISO-Ant1-5825

Appendix A3: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.000	5737.520	5752.520	0.5	PASS
11A	Ant1	5785	11.320	5780.000	5791.320	0.5	PASS
11A	Ant1	5825	14.600	5817.760	5832.360	0.5	PASS
11N20SISO	Ant1	5745	17.320	5736.280	5753.600	0.5	PASS
11N20SISO	Ant1	5785	14.560	5777.560	5792.120	0.5	PASS
11N20SISO	Ant1	5825	17.080	5816.560	5833.640	0.5	PASS

Test Graphs B4




11N20SISO-Ant1-5745-PASS

11N20SISO-Ant1-5785-PASS

11N20SISO-Ant1-5825-PASS

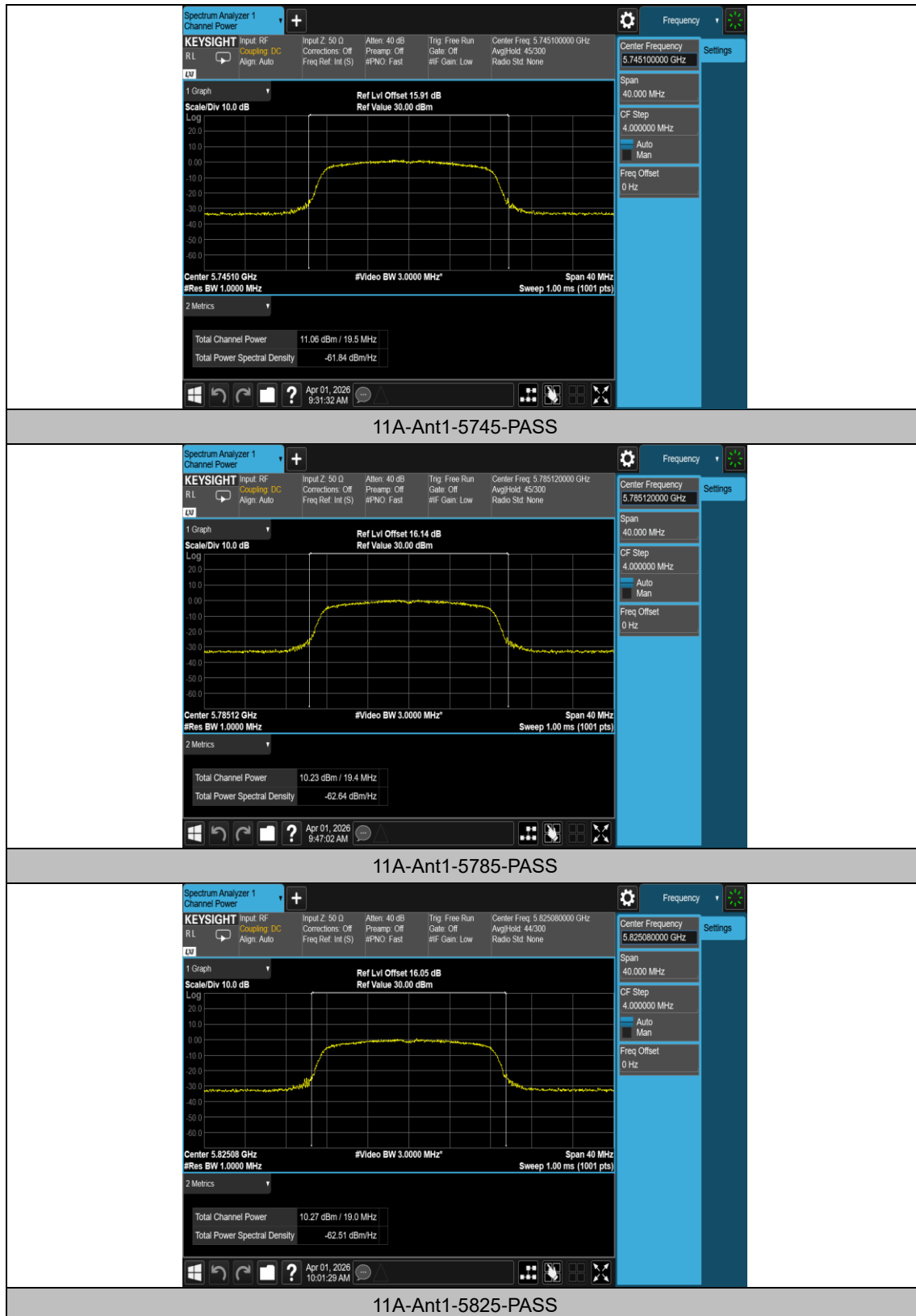
Appendix B: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	9.48	73.12	1.36	10.84	≤30.00	PASS
11A	Ant1	5785	8.98	72.73	1.38	10.36	≤30.00	PASS
11A	Ant1	5825	8.77	73.12	1.36	10.13	≤30.00	PASS
11N20SISO	Ant1	5745	7.94	71.35	1.47	9.41	≤30.00	PASS
11N20SISO	Ant1	5785	7.98	71.91	1.43	9.41	≤30.00	PASS
11N20SISO	Ant1	5825	7.74	71.75	1.44	9.18	≤30.00	PASS

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

Test Graphs Channel Power





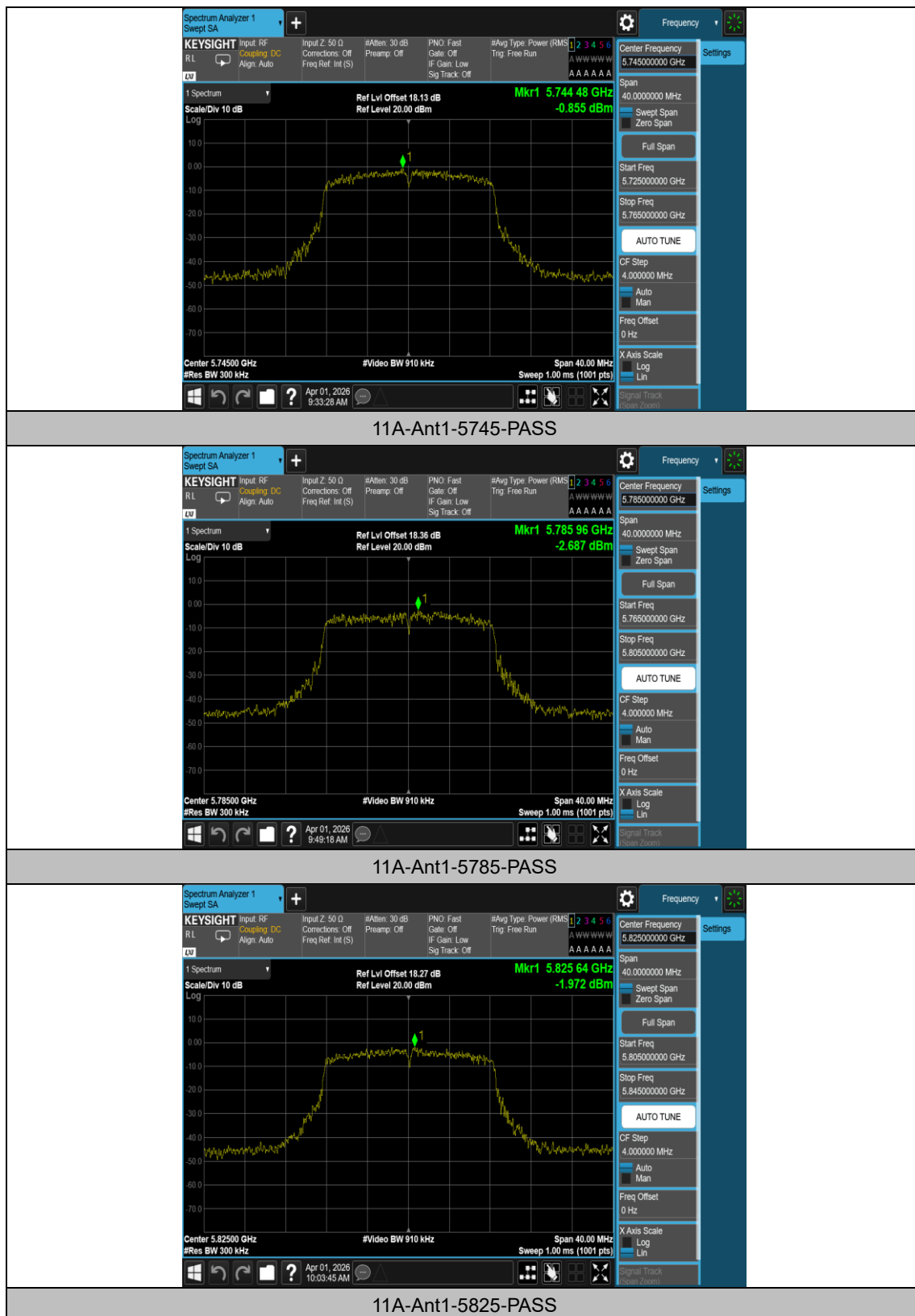
Appendix D: Maximum power spectral density

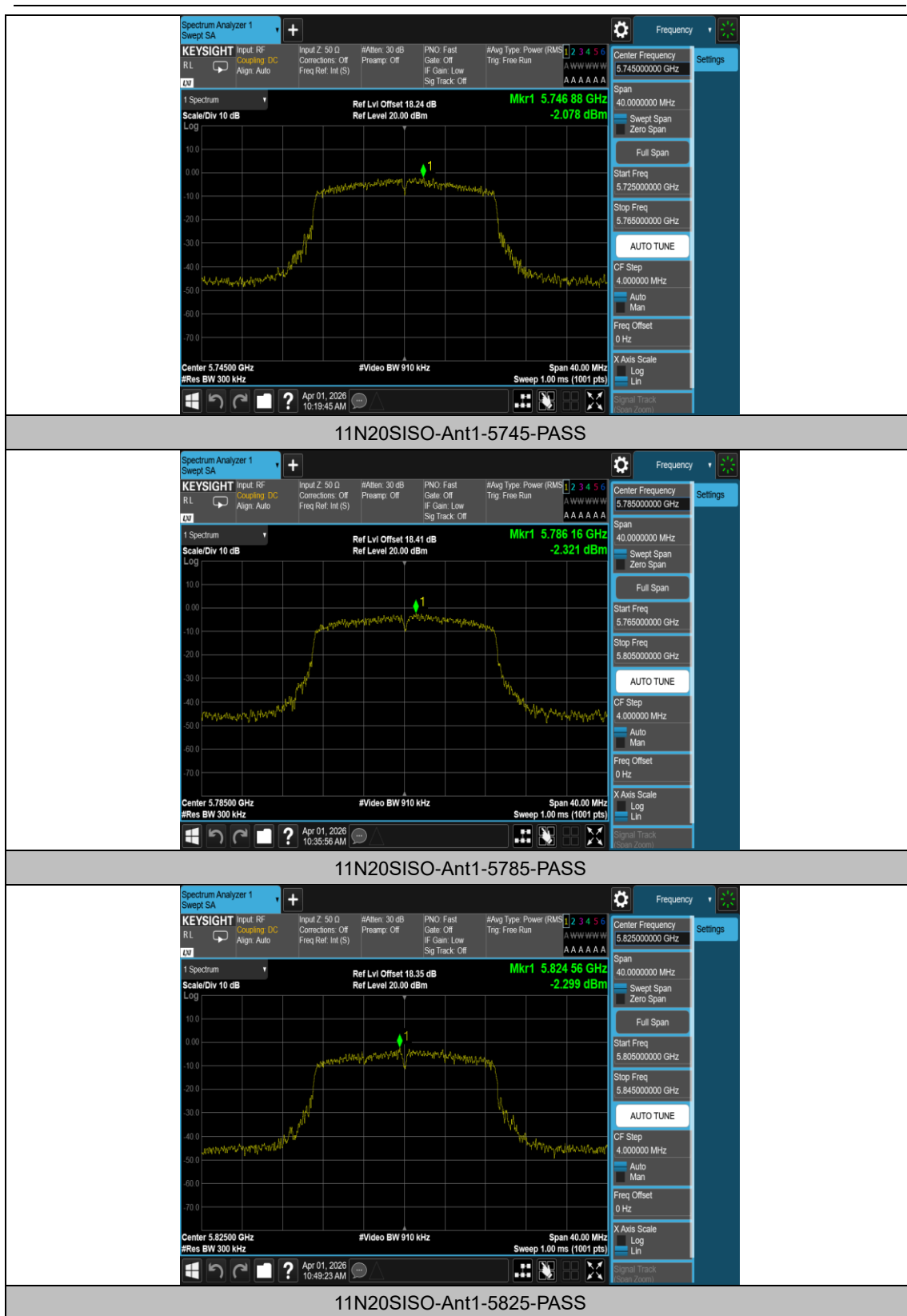
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-0.86	≤30.00	PASS
11A	Ant1	5785	-2.69	≤30.00	PASS
11A	Ant1	5825	-1.97	≤30.00	PASS
11N20SISO	Ant1	5745	-2.08	≤30.00	PASS
11N20SISO	Ant1	5785	-2.32	≤30.00	PASS
11N20SISO	Ant1	5825	-2.30	≤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





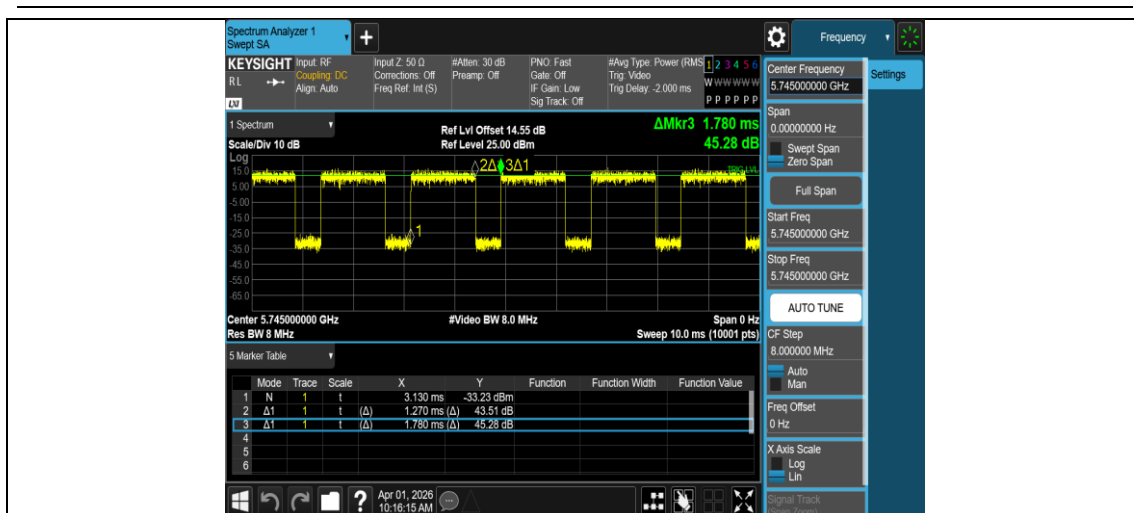
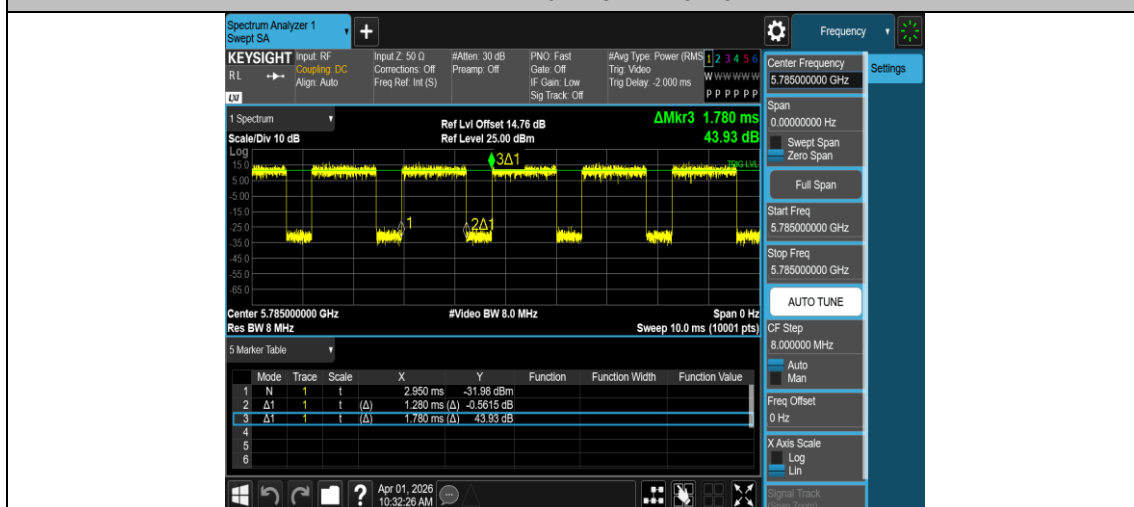
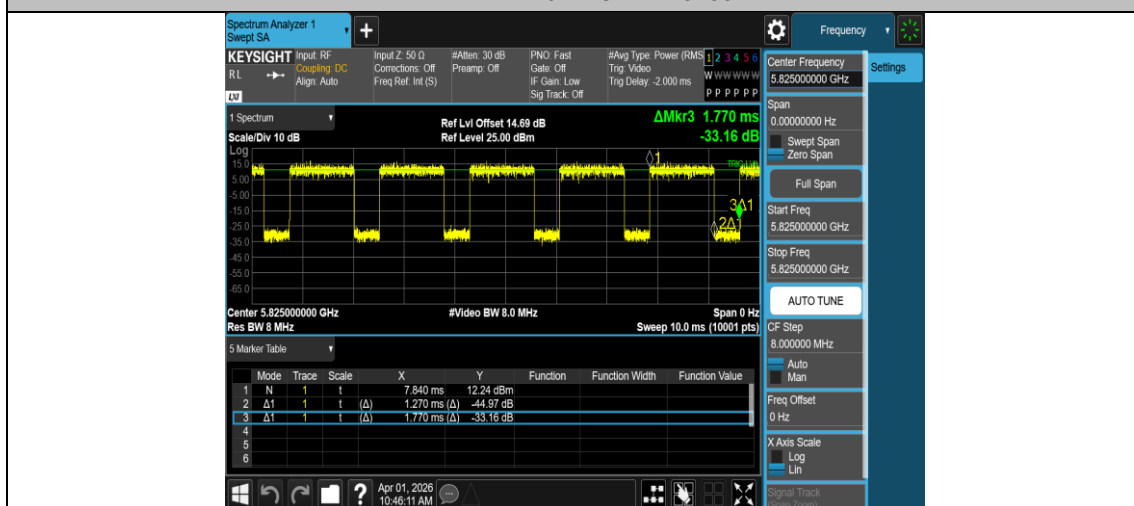
Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.36	1.86	73.12
11A	Ant1	5785	1.36	1.87	72.73
11A	Ant1	5825	1.36	1.86	73.12
11N20SISO	Ant1	5745	1.27	1.78	71.35
11N20SISO	Ant1	5785	1.28	1.78	71.91
11N20SISO	Ant1	5825	1.27	1.77	71.75

Test Graphs




NTVN-11N20SISO-Ant1-5745

NTVN-11N20SISO-Ant1-5785


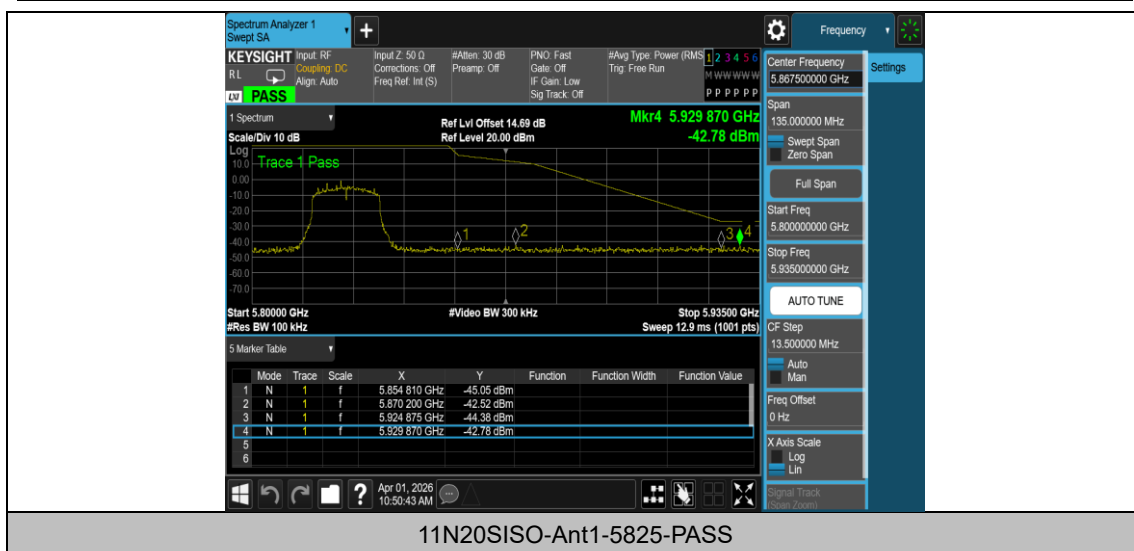
Appendix E: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-46.16	≤16.08	PASS
11A	Ant1	Low	5745	5700~5720	-44.69	≤10.35	PASS
11A	Ant1	Low	5745	5650~5700	-45.57	≤-26.62	PASS
11A	Ant1	Low	5745	5760~5650	-42.96	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-43.2	≤16.34	PASS
11A	Ant1	High	5825	5855~5875	-41.99	≤10.06	PASS
11A	Ant1	High	5825	5875~5925	-44.18	≤-26.41	PASS
11A	Ant1	High	5825	5925~5935	-42.92	≤-27	PASS
11N20SISO	Ant1	Low	5745	5720~5725	-43.02	≤19.23	PASS
11N20SISO	Ant1	Low	5745	5700~5720	-44.56	≤11.09	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-44.86	≤-26.96	PASS
11N20SISO	Ant1	Low	5745	5760~5650	-44.28	≤-27	PASS
11N20SISO	Ant1	High	5825	5850~5855	-45.05	≤16.03	PASS
11N20SISO	Ant1	High	5825	5855~5875	-42.52	≤11.34	PASS
11N20SISO	Ant1	High	5825	5875~5925	-44.38	≤-26.91	PASS
11N20SISO	Ant1	High	5825	5925~5935	-42.78	≤-27	PASS

Test Graphs B4





Appendix F: Conducted Spurious Emission

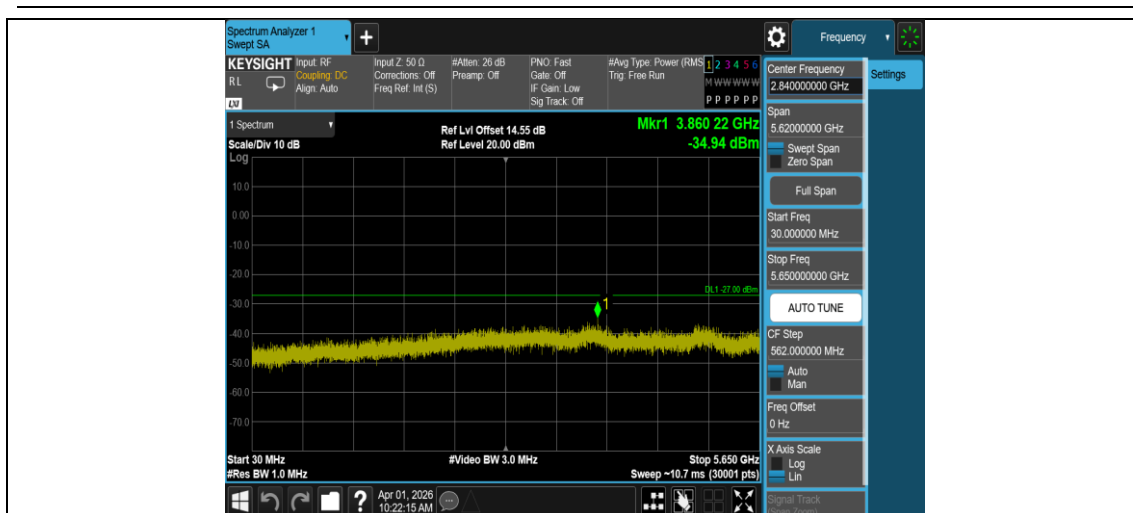
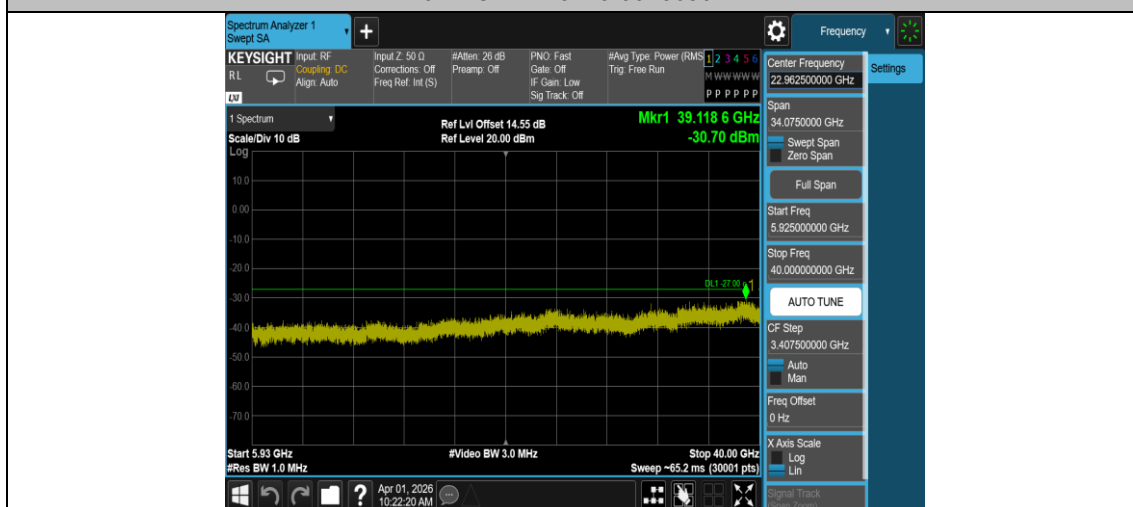
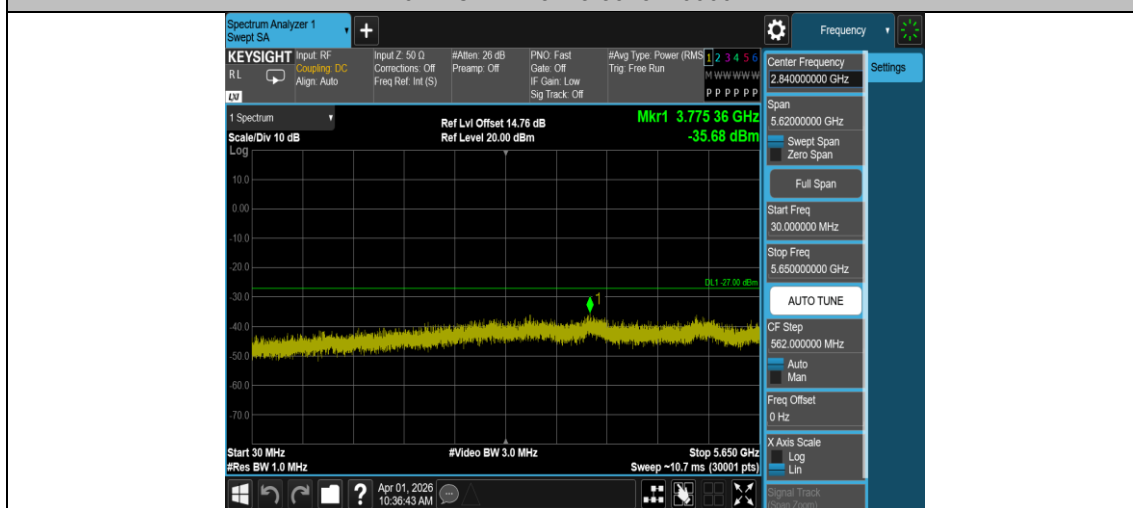
Test Result

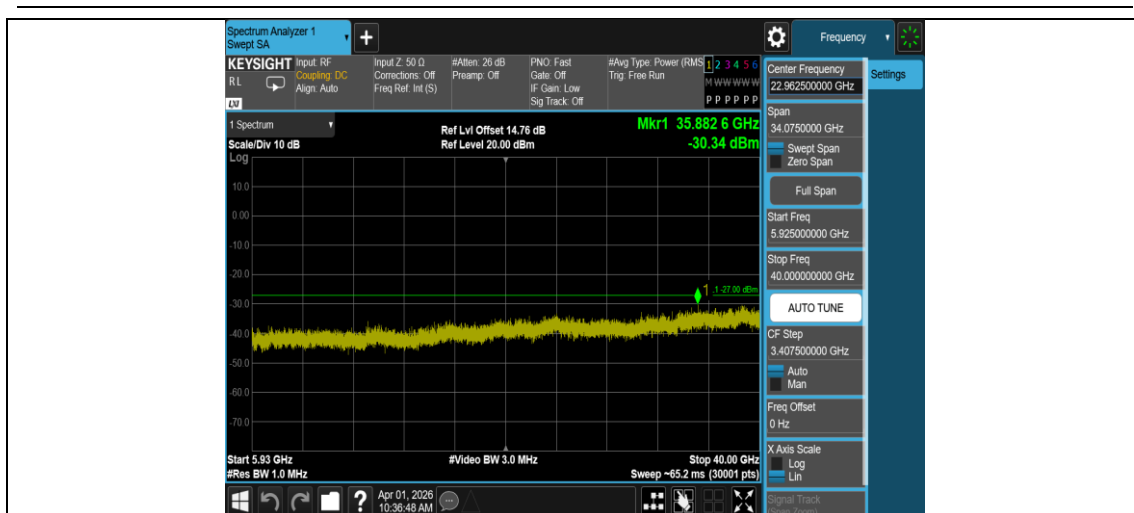
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3731.14	-35.55	≤-27	PASS
11A	Ant1	5745	5925~40000	38961.85	-29.9	≤-27	PASS
11A	Ant1	5785	30~5650	5028.99	-35.7	≤-27	PASS
11A	Ant1	5785	5925~40000	39215.14	-30.15	≤-27	PASS
11A	Ant1	5825	30~5650	3796.9	-35.23	≤-27	PASS
11A	Ant1	5825	5925~40000	38969.8	-30.08	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	3860.22	-34.94	≤-27	PASS
11N20SISO	Ant1	5745	5925~40000	39118.59	-30.7	≤-27	PASS
11N20SISO	Ant1	5785	30~5650	3775.36	-35.68	≤-27	PASS
11N20SISO	Ant1	5785	5925~40000	35882.6	-30.34	≤-27	PASS
11N20SISO	Ant1	5825	30~5650	3798.02	-36.19	≤-27	PASS
11N20SISO	Ant1	5825	5925~40000	39566.11	-30.1	≤-27	PASS

Test Graphs

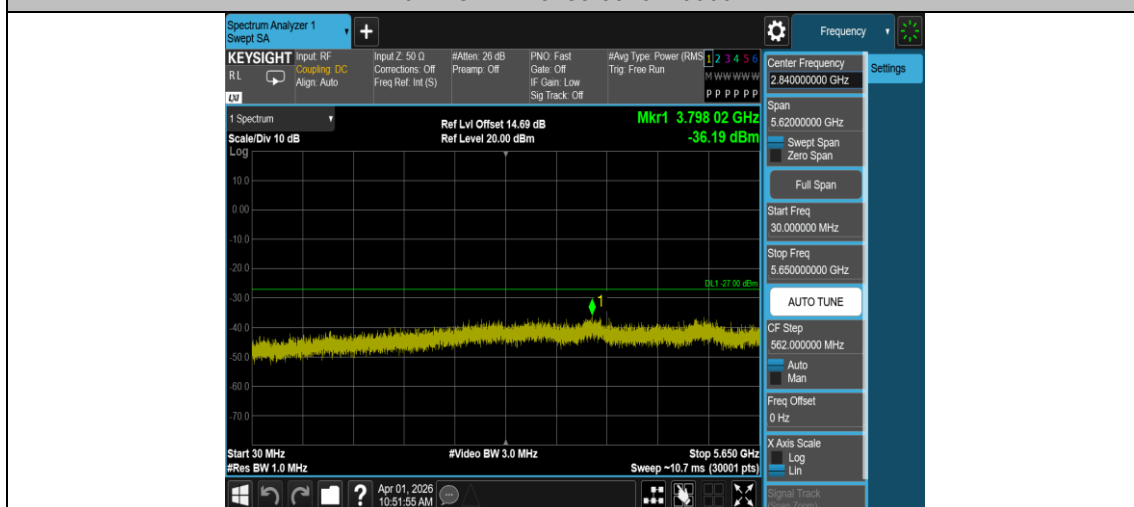




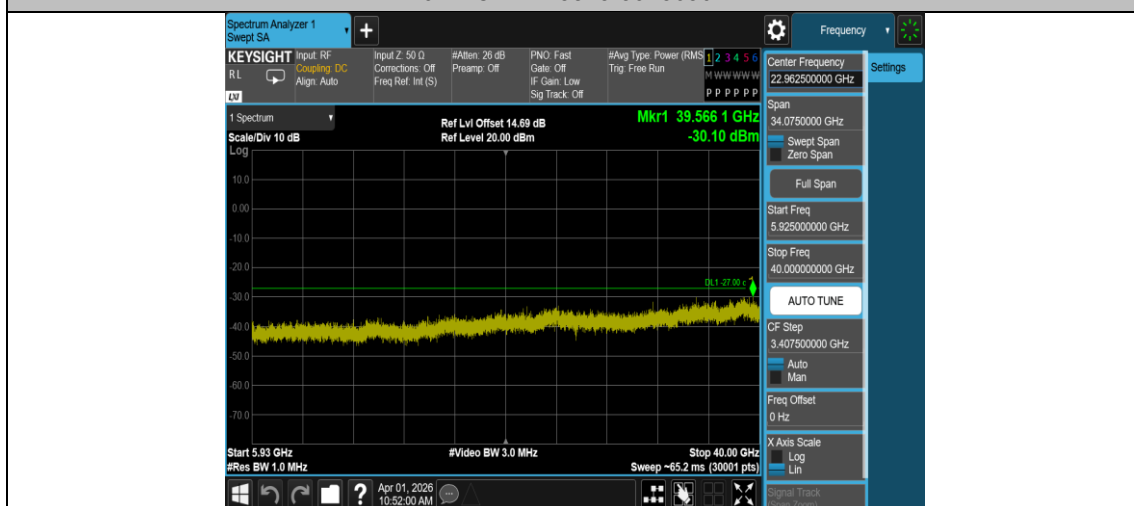

11N20SISO-Ant1-5745-30~5650-PASS

11N20SISO-Ant1-5745-5925~40000-PASS

11N20SISO-Ant1-5785-30~5650-PASS



11N20SISO-Ant1-5785-5925~40000-PASS



11N20SISO-Ant1-5825-30~5650-PASS



11N20SISO-Ant1-5825-5925~40000-PASS

Appendix G: Frequency Stability

Test Result

NV=5V, LV=4.25V, HV=5.75V

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5745	NV	NT	60000.00	10.443864	20	PASS
11A	Ant1	5745	LV	NT	60000.00	10.443864	20	PASS
11A	Ant1	5745	HV	NT	60000.00	10.443864	20	PASS
11A	Ant1	5785	NV	NT	60000.00	10.371651	20	PASS
11A	Ant1	5785	LV	NT	60000.00	10.371651	20	PASS
11A	Ant1	5785	HV	NT	60000.00	10.371651	20	PASS
11A	Ant1	5825	NV	NT	60000.00	10.300429	20	PASS
11A	Ant1	5825	LV	NT	60000.00	10.300429	20	PASS
11A	Ant1	5825	HV	NT	60000.00	10.300429	20	PASS
11N20SISO	Ant1	5745	NV	NT	20000.00	3.481288	20	PASS
11N20SISO	Ant1	5745	LV	NT	20000.00	3.481288	20	PASS
11N20SISO	Ant1	5745	HV	NT	40000.00	6.962576	20	PASS
11N20SISO	Ant1	5785	NV	NT	20000.00	3.457217	20	PASS
11N20SISO	Ant1	5785	LV	NT	0.00	0.000000	20	PASS
11N20SISO	Ant1	5785	HV	NT	40000.00	6.914434	20	PASS
11N20SISO	Ant1	5825	NV	NT	60000.00	10.300429	20	PASS
11N20SISO	Ant1	5825	LV	NT	40000.00	6.866953	20	PASS
11N20SISO	Ant1	5825	HV	NT	20000.00	3.433476	20	PASS

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5745	NV	-30	60000.00	10.443864	20	PASS
11A	Ant1	5745	NV	-20	60000.00	10.443864	20	PASS
11A	Ant1	5745	NV	-10	60000.00	10.443864	20	PASS
11A	Ant1	5745	NV	0	60000.00	10.443864	20	PASS
11A	Ant1	5745	NV	10	80000.00	13.925152	20	PASS
11A	Ant1	5745	NV	20	60000.00	10.443864	20	PASS
11A	Ant1	5745	NV	30	60000.00	10.443864	20	PASS

11A	Ant1	5745	NV	40	60000.00	10.443864	20	PASS
11A	Ant1	5745	NV	50	60000.00	10.443864	20	PASS
11A	Ant1	5785	NV	-30	60000.00	10.371651	20	PASS
11A	Ant1	5785	NV	-20	60000.00	10.371651	20	PASS
11A	Ant1	5785	NV	-10	60000.00	10.371651	20	PASS
11A	Ant1	5785	NV	0	60000.00	10.371651	20	PASS
11A	Ant1	5785	NV	10	60000.00	10.371651	20	PASS
11A	Ant1	5785	NV	20	60000.00	10.371651	20	PASS
11A	Ant1	5785	NV	30	60000.00	10.371651	20	PASS
11A	Ant1	5785	NV	40	60000.00	10.371651	20	PASS
11A	Ant1	5785	NV	50	60000.00	10.371651	20	PASS
11A	Ant1	5825	NV	-30	60000.00	10.300429	20	PASS
11A	Ant1	5825	NV	-20	60000.00	10.300429	20	PASS
11A	Ant1	5825	NV	-10	60000.00	10.300429	20	PASS
11A	Ant1	5825	NV	0	80000.00	13.733906	20	PASS
11A	Ant1	5825	NV	10	60000.00	10.300429	20	PASS
11A	Ant1	5825	NV	20	60000.00	10.300429	20	PASS
11A	Ant1	5825	NV	30	60000.00	10.300429	20	PASS
11A	Ant1	5825	NV	40	60000.00	10.300429	20	PASS
11A	Ant1	5825	NV	50	60000.00	10.300429	20	PASS
11N20SIS O	Ant1	5745	NV	-30	60000.00	10.443864	20	PASS
11N20SIS O	Ant1	5745	NV	-20	80000.00	13.925152	20	PASS
11N20SIS O	Ant1	5745	NV	-10	60000.00	10.443864	20	PASS
11N20SIS O	Ant1	5745	NV	0	60000.00	10.443864	20	PASS
11N20SIS O	Ant1	5745	NV	10	40000.00	6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	20	20000.00	3.481288	20	PASS
11N20SIS O	Ant1	5745	NV	30	80000.00	13.925152	20	PASS
11N20SIS O	Ant1	5745	NV	40	60000.00	10.443864	20	PASS
11N20SIS O	Ant1	5745	NV	50	80000.00	13.925152	20	PASS
11N20SIS O	Ant1	5785	NV	-30	20000.00	3.457217	20	PASS
11N20SIS O	Ant1	5785	NV	-20	60000.00	10.371651	20	PASS
11N20SIS	Ant1	5785	NV	-10	60000.00	10.371651	20	PASS

O								
11N20SIS O	Ant1	5785	NV	0	40000.00	6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	10	20000.00	3.457217	20	PASS
11N20SIS O	Ant1	5785	NV	20	60000.00	10.371651	20	PASS
11N20SIS O	Ant1	5785	NV	30	60000.00	10.371651	20	PASS
11N20SIS O	Ant1	5785	NV	40	60000.00	10.371651	20	PASS
11N20SIS O	Ant1	5785	NV	50	40000.00	6.914434	20	PASS
11N20SIS O	Ant1	5825	NV	-30	80000.00	13.733906	20	PASS
11N20SIS O	Ant1	5825	NV	-20	60000.00	10.300429	20	PASS
11N20SIS O	Ant1	5825	NV	-10	20000.00	3.433476	20	PASS
11N20SIS O	Ant1	5825	NV	0	60000.00	10.300429	20	PASS
11N20SIS O	Ant1	5825	NV	10	20000.00	3.433476	20	PASS
11N20SIS O	Ant1	5825	NV	20	40000.00	6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	30	80000.00	13.733906	20	PASS
11N20SIS O	Ant1	5825	NV	40	60000.00	10.300429	20	PASS
11N20SIS O	Ant1	5825	NV	50	40000.00	6.866953	20	PASS