

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	19.320	5735.480	5754.800	---	---
11A	Ant1	5785	19.360	5775.360	5794.720	---	---
11A	Ant1	5825	19.440	5815.160	5834.600	---	---
11N20SISO	Ant1	5745	20.160	5734.760	5754.920	---	---
11N20SISO	Ant1	5785	20.200	5774.760	5794.960	---	---
11N20SISO	Ant1	5825	19.800	5815.240	5835.040	---	---

Test Graphs




11N20SISO-Ant1-5745

11N20SISO-Ant1-5785

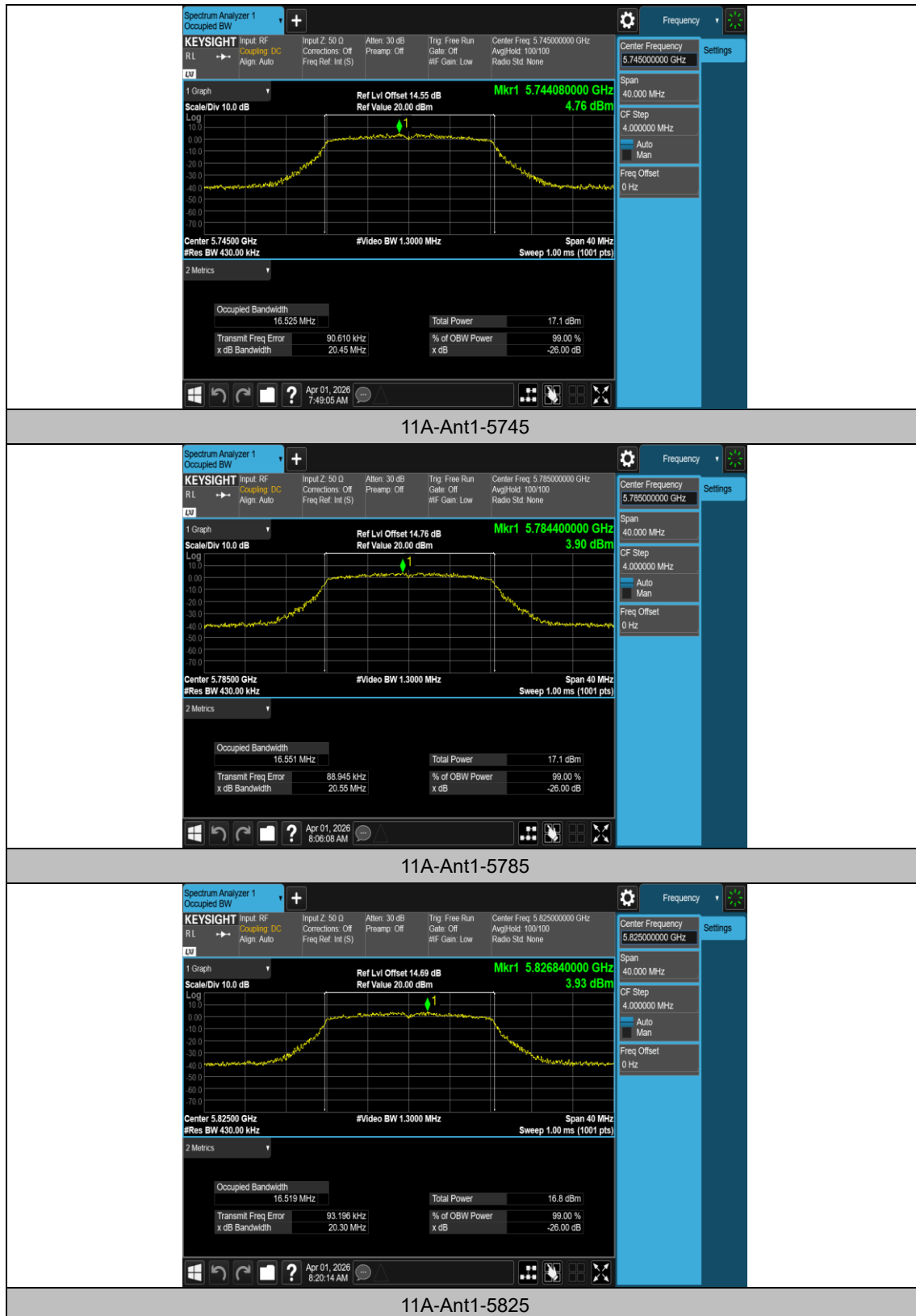
11N20SISO-Ant1-5825

Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.525	5736.8281	5753.3531	---	---
11A	Ant1	5785	16.551	5776.8135	5793.3645	---	---
11A	Ant1	5825	16.519	5816.8337	5833.3527	---	---
11N20SISO	Ant1	5745	17.593	5736.2648	5753.8578	---	---
11N20SISO	Ant1	5785	17.571	5776.2623	5793.8333	---	---
11N20SISO	Ant1	5825	17.599	5816.2762	5833.8752	---	---

Test Graphs





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	15.800	5736.920	5752.720	0.5	PASS
11A	Ant1	5785	14.400	5777.800	5792.200	0.5	PASS
11A	Ant1	5825	15.800	5817.120	5832.920	0.5	PASS
11N20SISO	Ant1	5745	11.880	5739.200	5751.080	0.5	PASS
11N20SISO	Ant1	5785	8.080	5781.760	5789.840	0.5	PASS
11N20SISO	Ant1	5825	14.480	5817.920	5832.400	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	9.88	73.12	1.36	11.24	≤30.00	PASS
11A	Ant1	5785	9.93	73.12	1.36	11.29	≤30.00	PASS
11A	Ant1	5825	9.94	73.12	1.36	11.30	≤30.00	PASS
11N20SISO	Ant1	5745	8.59	71.75	1.44	10.03	≤30.00	PASS
11N20SISO	Ant1	5785	8.59	71.91	1.43	10.02	≤30.00	PASS
11N20SISO	Ant1	5825	8.00	71.35	1.47	9.47	≤30.00	PASS

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

Test Graphs Channel Power





Appendix D: Maximum power spectral density

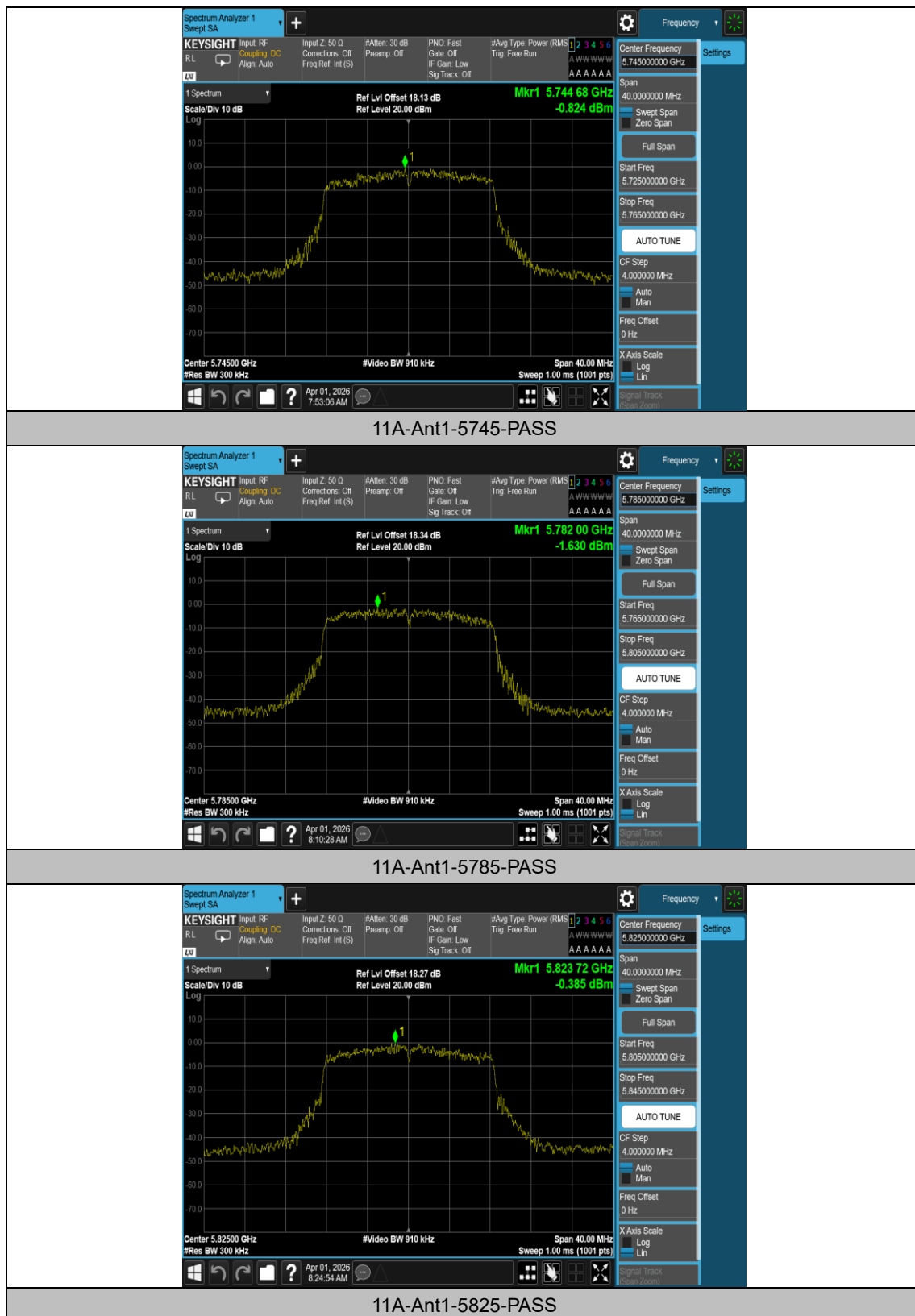
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-0.82	≤30.00	PASS
11A	Ant1	5785	-1.63	≤30.00	PASS
11A	Ant1	5825	-0.39	≤30.00	PASS
11N20SISO	Ant1	5745	-1.68	≤30.00	PASS
11N20SISO	Ant1	5785	-2.19	≤30.00	PASS
11N20SISO	Ant1	5825	-1.51	≤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





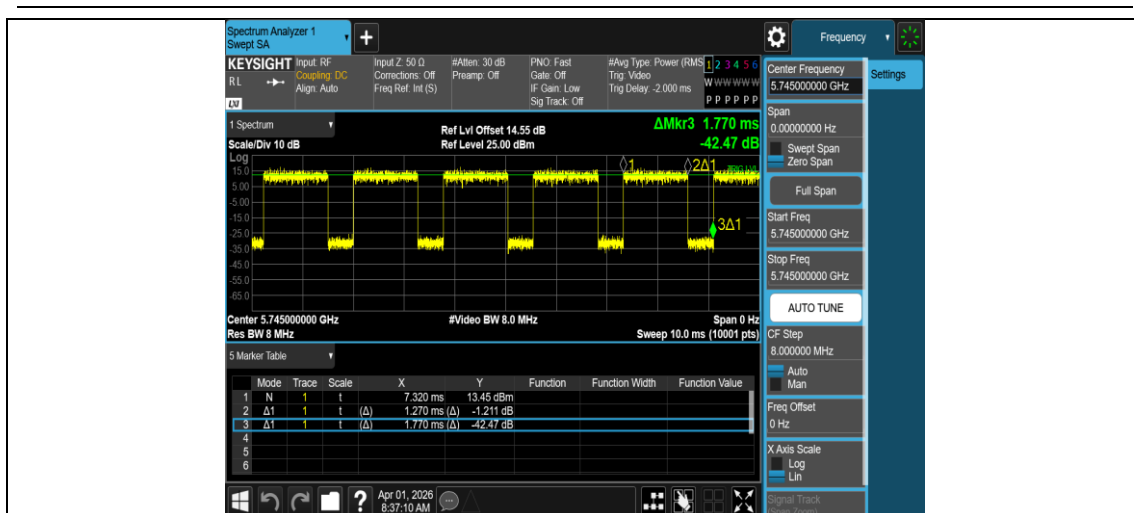
Appendix B: Duty Cycle

Test Result

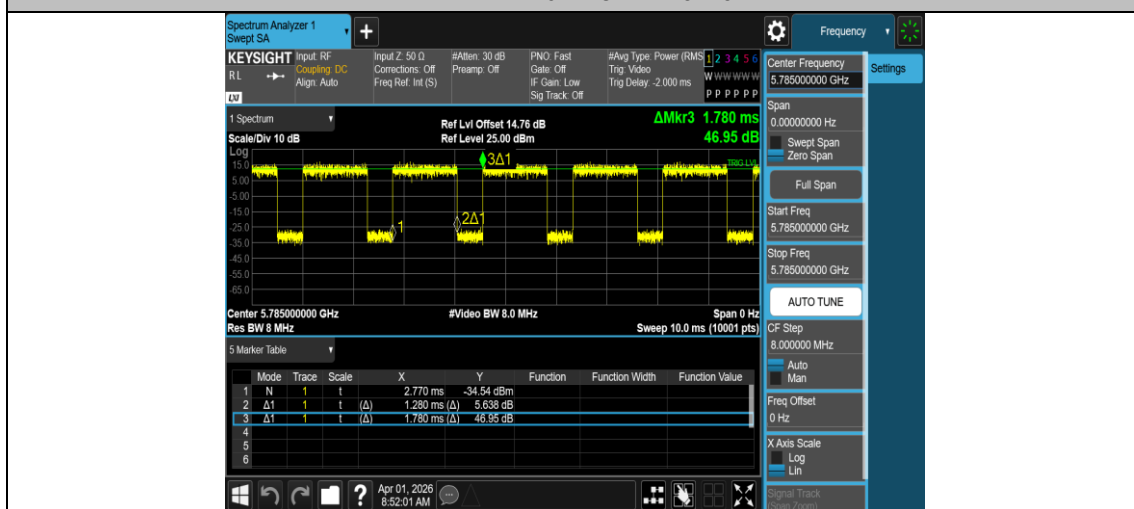
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.36	1.86	73.12
11A	Ant1	5785	1.36	1.86	73.12
11A	Ant1	5825	1.36	1.86	73.12
11N20SISO	Ant1	5745	1.27	1.77	71.75
11N20SISO	Ant1	5785	1.28	1.78	71.91
11N20SISO	Ant1	5825	1.27	1.78	71.35

Test Graphs

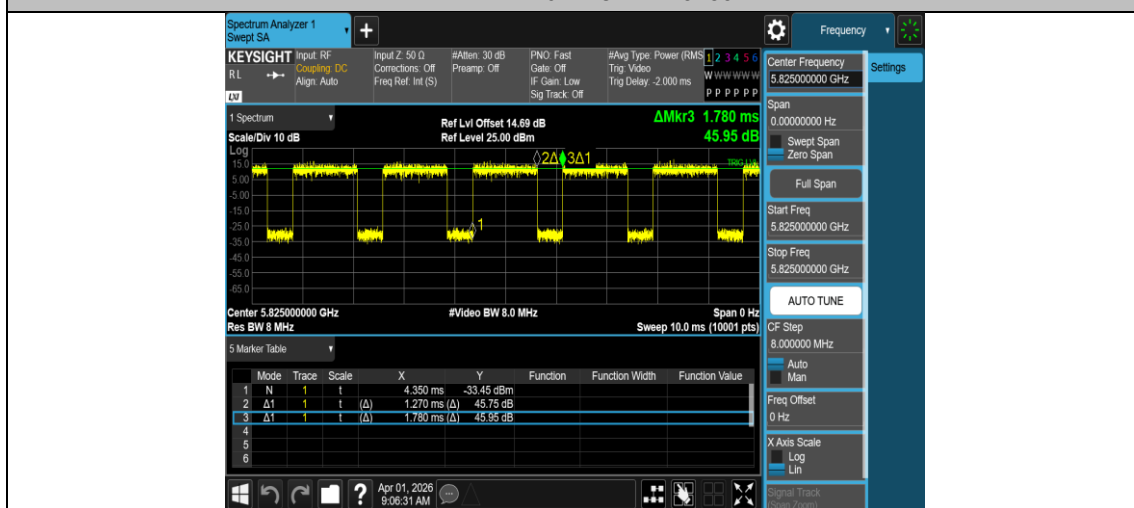




NTVN-11N20SISO-Ant1-5745



NTVN-11N20SISO-Ant1-5785



NTVN-11N20SISO-Ant1-5825

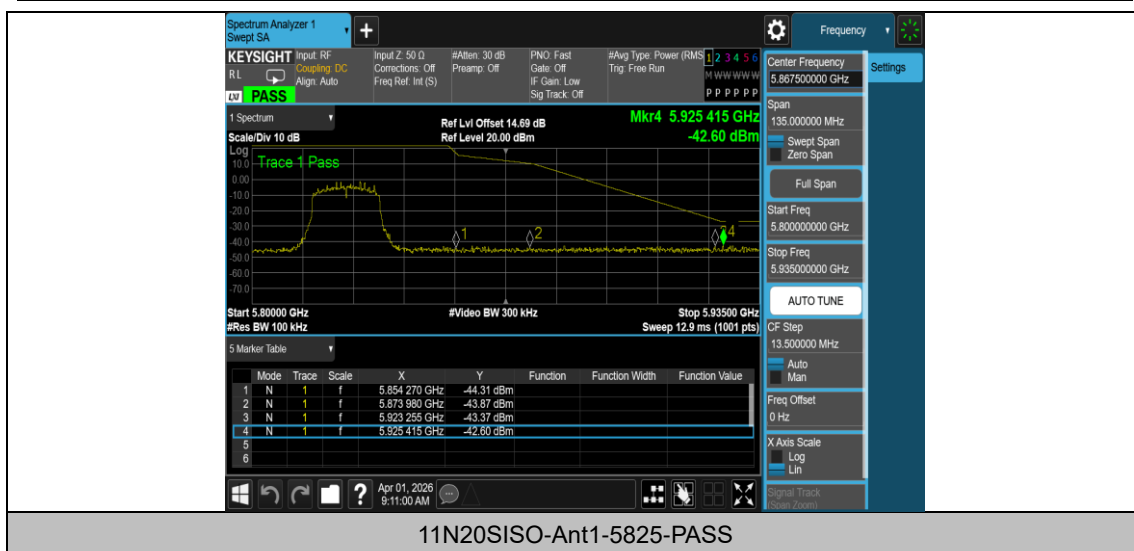
Appendix E: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-44.37	≤15.82	PASS
11A	Ant1	Low	5745	5700~5720	-43.41	≤11.25	PASS
11A	Ant1	Low	5745	5650~5700	-45.56	≤-26.96	PASS
11A	Ant1	Low	5745	5760~5650	-43.78	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-46.18	≤15.73	PASS
11A	Ant1	High	5825	5855~5875	-43.58	≤10.36	PASS
11A	Ant1	High	5825	5875~5925	-44.48	≤-26.81	PASS
11A	Ant1	High	5825	5925~5935	-43.19	≤-27	PASS
11N20SIS O	Ant1	Low	5745	5720~5725	-46.35	≤15.82	PASS
11N20SIS O	Ant1	Low	5745	5700~5720	-45.37	≤10.54	PASS
11N20SIS O	Ant1	Low	5745	5650~5700	-45.71	≤-26.79	PASS
11N20SIS O	Ant1	Low	5745	5760~5650	-43.96	≤-27	PASS
11N20SIS O	Ant1	High	5825	5850~5855	-44.31	≤17.26	PASS
11N20SIS O	Ant1	High	5825	5855~5875	-43.87	≤10.29	PASS
11N20SIS O	Ant1	High	5825	5875~5925	-43.37	≤-25.71	PASS
11N20SIS O	Ant1	High	5825	5925~5935	-42.6	≤-27	PASS

Test Graphs B4





11N20SISO-Ant1-5825-PASS

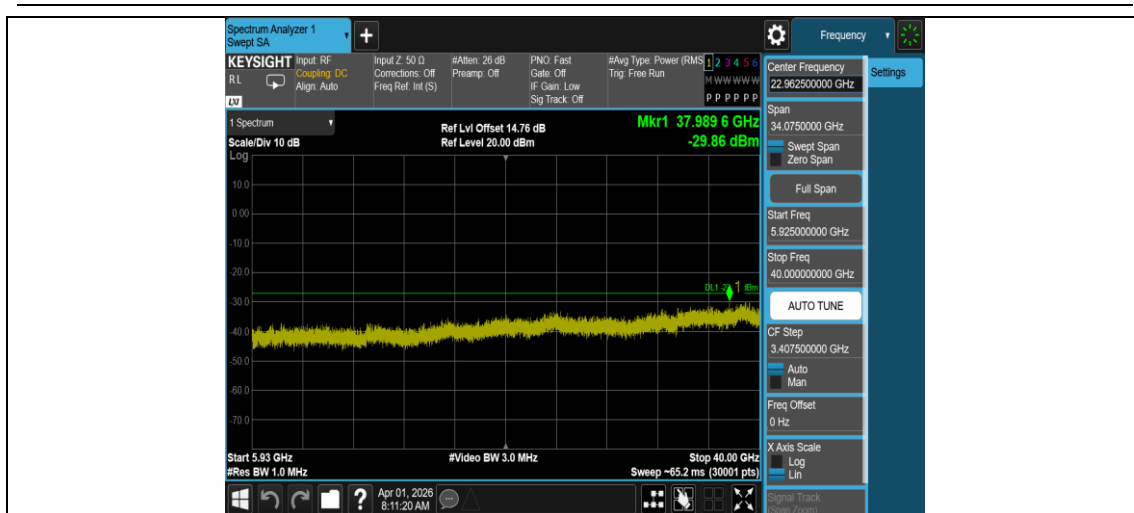
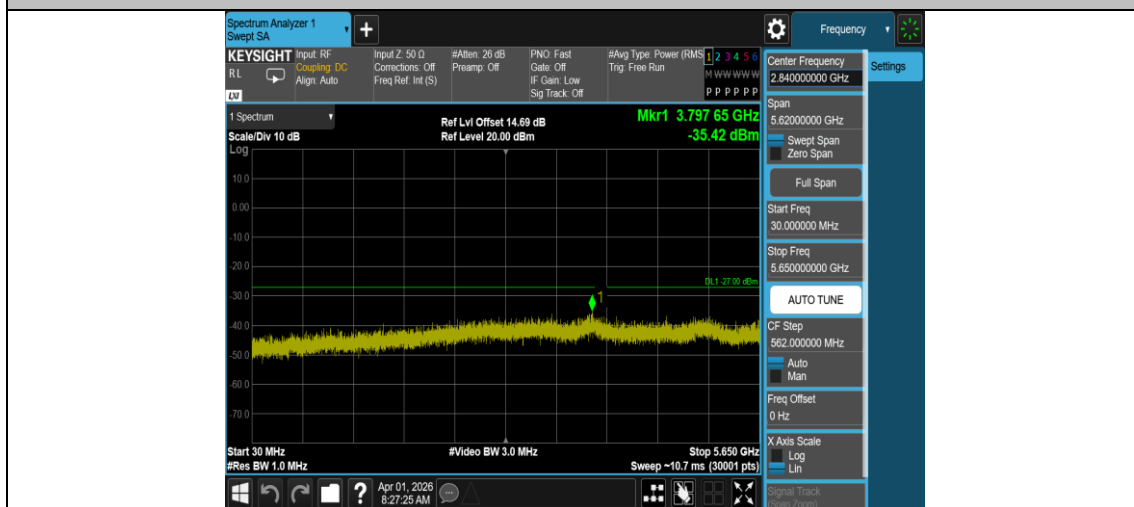
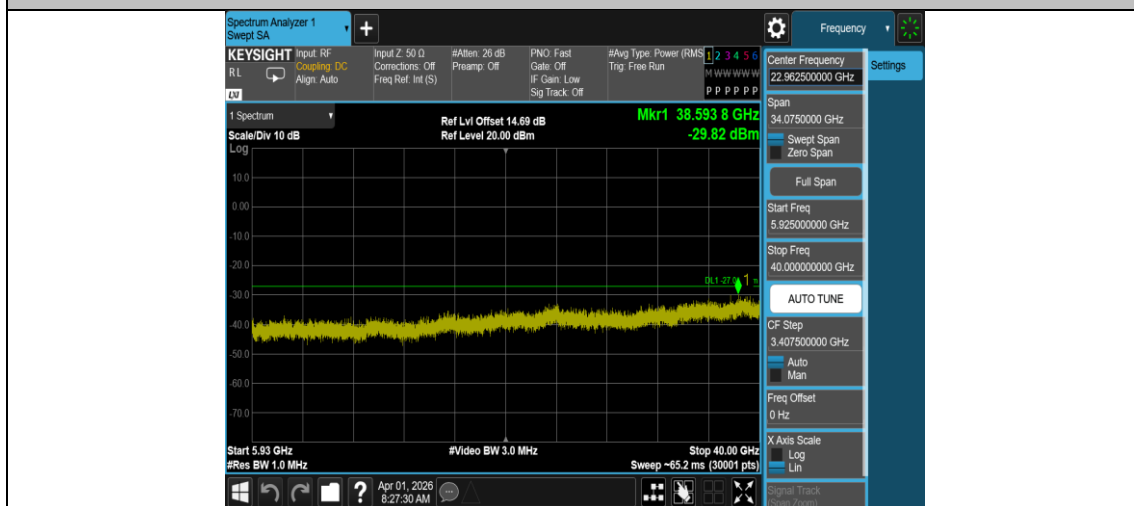
Appendix F: Conducted Spurious Emission

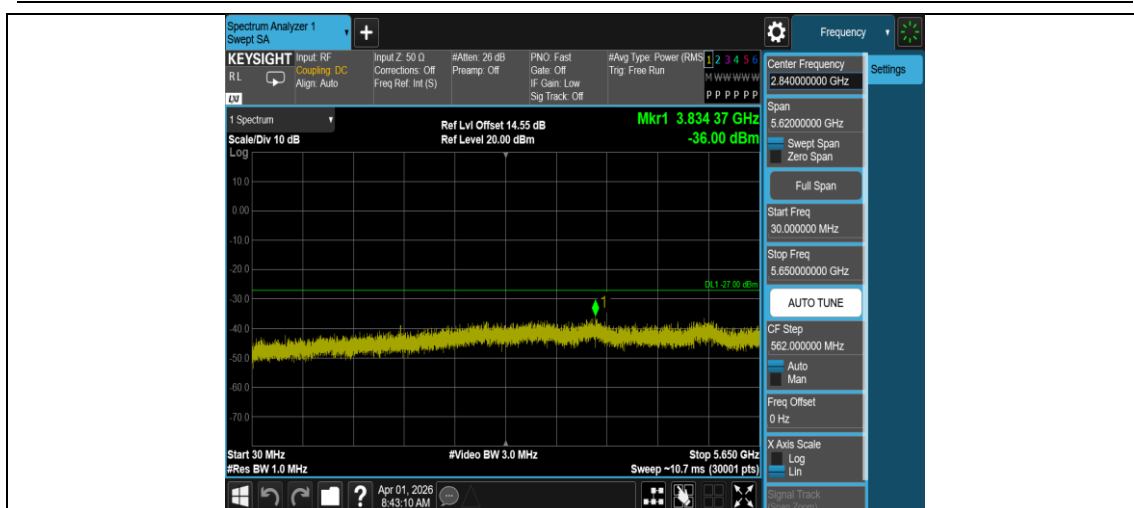
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3327.63	-36.08	≤-27	PASS
11A	Ant1	5745	5925~40000	38734.68	-29.97	≤-27	PASS
11A	Ant1	5785	30~5650	3691.62	-35.94	≤-27	PASS
11A	Ant1	5785	5925~40000	37989.58	-29.86	≤-27	PASS
11A	Ant1	5825	30~5650	3797.65	-35.43	≤-27	PASS
11A	Ant1	5825	5925~40000	38593.84	-29.82	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	3834.37	-36	≤-27	PASS
11N20SISO	Ant1	5745	5925~40000	39159.48	-30.4	≤-27	PASS
11N20SISO	Ant1	5785	30~5650	3754	-35.56	≤-27	PASS
11N20SISO	Ant1	5785	5925~40000	38942.54	-29.69	≤-27	PASS
11N20SISO	Ant1	5825	30~5650	3691.99	-36.13	≤-27	PASS
11N20SISO	Ant1	5825	5925~40000	39169.71	-29.79	≤-27	PASS

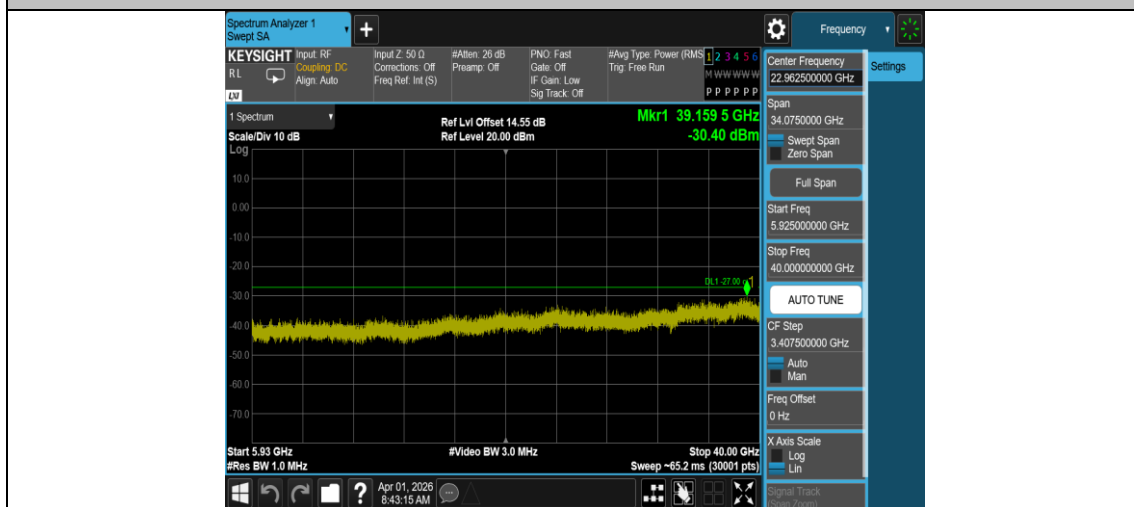
Test Graphs



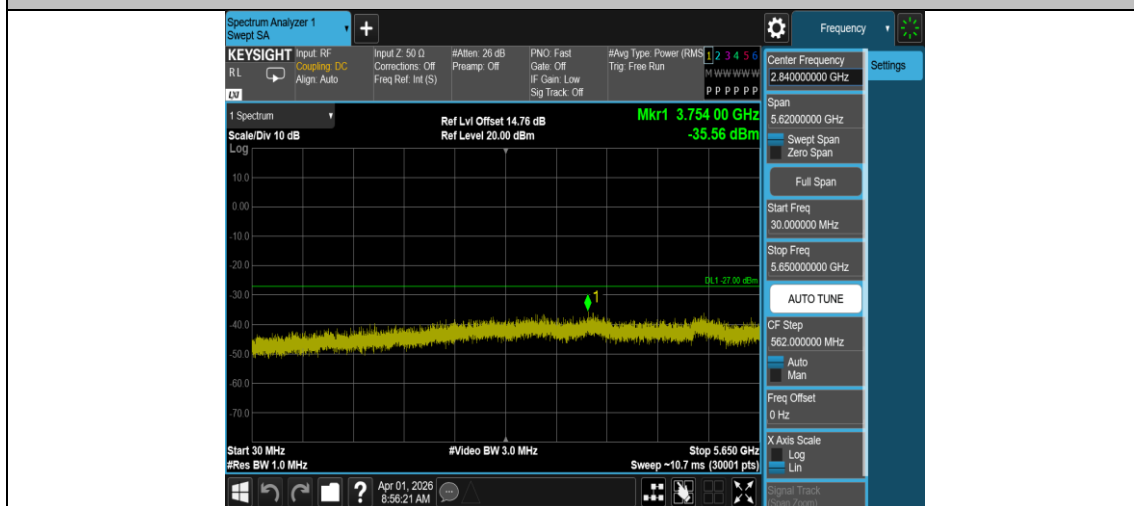

11A-Ant1-5785-5925~40000-PASS

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

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



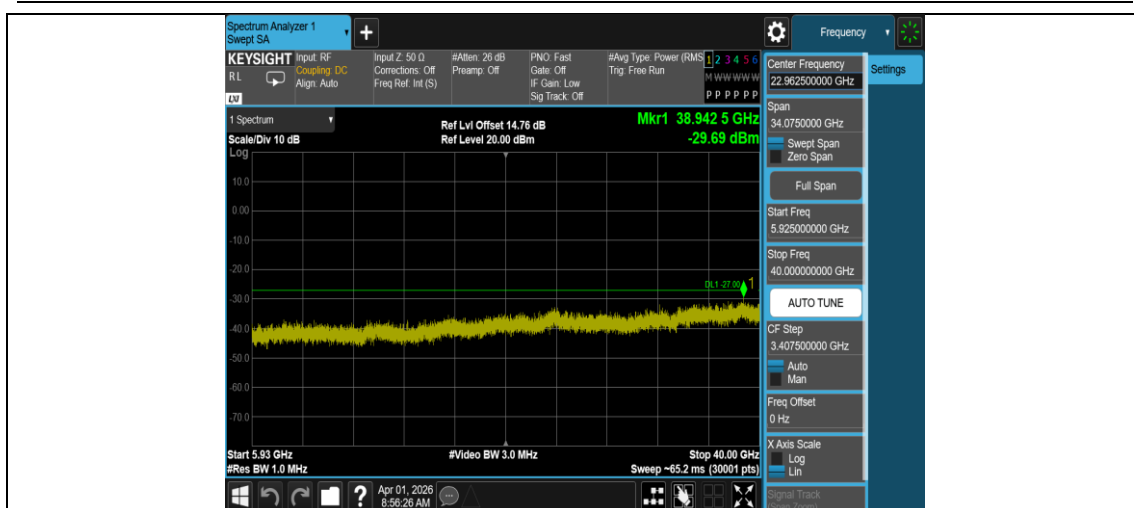
11N20SISO-Ant1-5745-30~5650-PASS



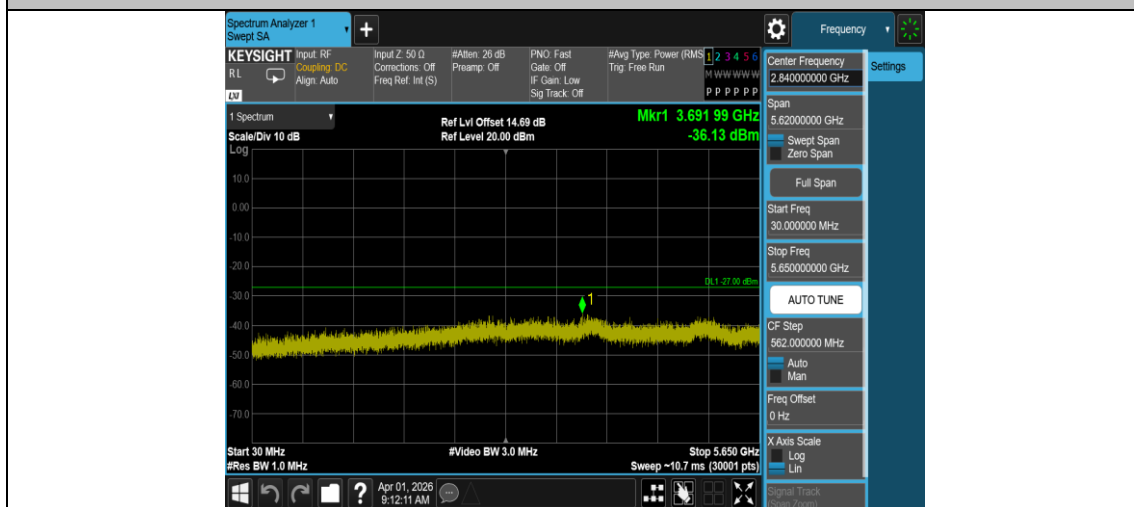
11N20SISO-Ant1-5745-5925~40000-PASS



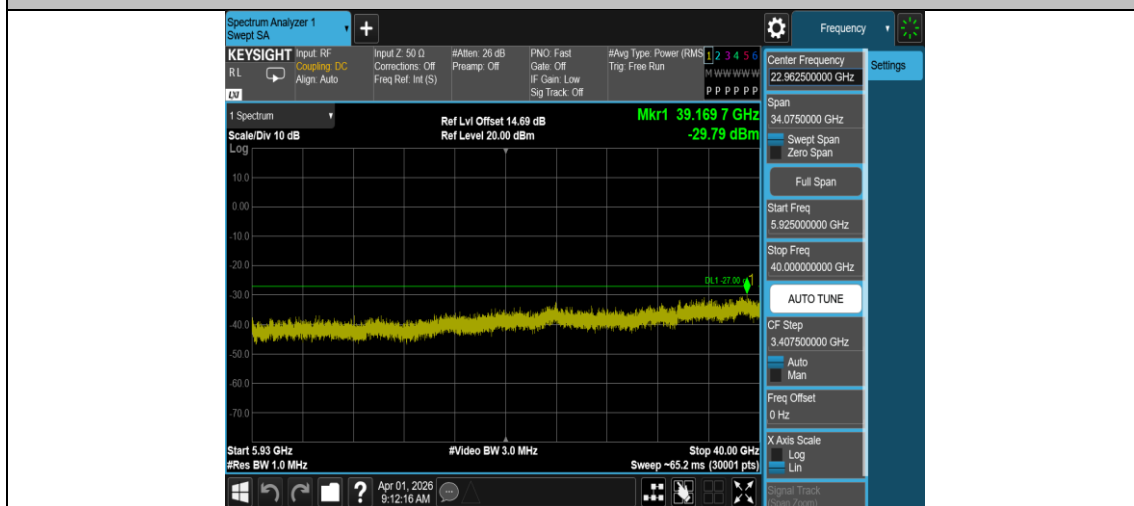
11N20SISO-Ant1-5785-30~5650-PASS



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	60000.00	10.443864	20	PASS
11N20SISO	Ant1	5745	LV	NT	80000.00	13.925152	20	PASS
11N20SISO	Ant1	5745	HV	NT	40000.00	6.962576	20	PASS
11N20SISO	Ant1	5785	NV	NT	60000.00	10.371651	20	PASS
11N20SISO	Ant1	5785	LV	NT	20000.00	3.457217	20	PASS
11N20SISO	Ant1	5785	HV	NT	40000.00	6.914434	20	PASS
11N20SISO	Ant1	5825	NV	NT	40000.00	6.866953	20	PASS
11N20SISO	Ant1	5825	LV	NT	60000.00	10.300429	20	PASS
11N20SISO	Ant1	5825	HV	NT	80000.00	13.733906	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	60000.00	10.443864	20	PASS
11A	Ant1	5745	NV	20	60000.00	10.443864	20	PASS
11A	Ant1	5745	NV	30	60000.00	10.443864	20	PASS

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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	80000.00	13.828868	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	60000.00	10.300429	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	40000.00	6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	-20	20000.00	3.481288	20	PASS
11N20SIS O	Ant1	5745	NV	-10	80000.00	13.925152	20	PASS
11N20SIS O	Ant1	5745	NV	0	40000.00	6.962576	20	PASS
11N20SIS O	Ant1	5745	NV	10	60000.00	10.443864	20	PASS
11N20SIS O	Ant1	5745	NV	20	40000.00	6.962576	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	60000.00	10.443864	20	PASS
11N20SIS O	Ant1	5785	NV	-30	40000.00	6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	-20	20000.00	3.457217	20	PASS
11N20SIS	Ant1	5785	NV	-10	60000.00	10.371651	20	PASS

O								
11N20SIS O	Ant1	5785	NV	0	80000.00	13.828868	20	PASS
11N20SIS O	Ant1	5785	NV	10	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5785	NV	20	20000.00	3.457217	20	PASS
11N20SIS O	Ant1	5785	NV	30	40000.00	6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	40	40000.00	6.914434	20	PASS
11N20SIS O	Ant1	5785	NV	50	40000.00	6.914434	20	PASS
11N20SIS O	Ant1	5825	NV	-30	40000.00	6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	-20	20000.00	3.433476	20	PASS
11N20SIS O	Ant1	5825	NV	-10	40000.00	6.866953	20	PASS
11N20SIS O	Ant1	5825	NV	0	20000.00	3.433476	20	PASS
11N20SIS O	Ant1	5825	NV	10	20000.00	3.433476	20	PASS
11N20SIS O	Ant1	5825	NV	20	20000.00	3.433476	20	PASS
11N20SIS O	Ant1	5825	NV	30	20000.00	3.433476	20	PASS
11N20SIS O	Ant1	5825	NV	40	80000.00	13.733906	20	PASS
11N20SIS O	Ant1	5825	NV	50	80000.00	13.733906	20	PASS