

Appendix E: Band edge measurements

Test Result B4

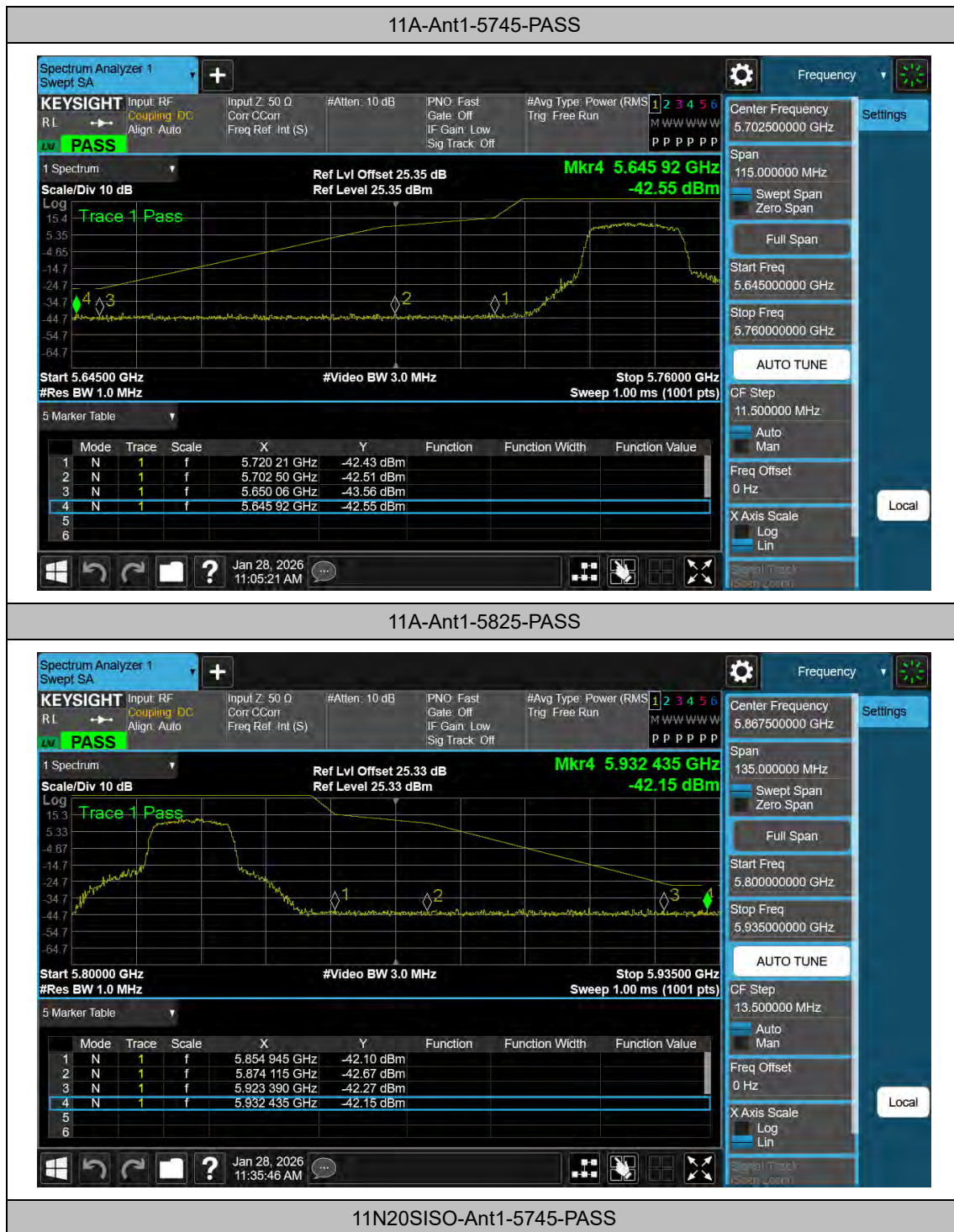
TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-42.43	≤16.08	PASS
11A	Ant1	Low	5745	5700~5720	-42.51	≤10.70	PASS
11A	Ant1	Low	5745	5650~5700	-43.56	≤-26.96	PASS
11A	Ant1	Low	5745	5760~5650	-42.55	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-42.1	≤15.73	PASS
11A	Ant1	High	5825	5855~5875	-42.67	≤10.25	PASS
11A	Ant1	High	5825	5875~5925	-42.27	≤-25.81	PASS
11A	Ant1	High	5825	5925~5935	-42.15	≤-27	PASS
11N20SISO	Ant1	Low	5745	5720~5725	-43.33	≤16.08	PASS
11N20SISO	Ant1	Low	5745	5700~5720	-41.76	≤10.12	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-43.47	≤-26.62	PASS
11N20SISO	Ant1	Low	5745	5760~5650	-41.85	≤-27	PASS
11N20SISO	Ant1	High	5825	5850~5855	-41.52	≤16.65	PASS
11N20SISO	Ant1	High	5825	5855~5875	-42.03	≤10.21	PASS
11N20SISO	Ant1	High	5825	5875~5925	-41.8	≤-26.71	PASS
11N20SISO	Ant1	High	5825	5925~5935	-40.77	≤-27	PASS
11N40SISO	Ant1	Low	5755	5720~5725	-31.87	≤17.89	PASS
11N40SISO	Ant1	Low	5755	5700~5720	-32.09	≤15.01	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-43.96	≤-26.90	PASS
11N40SISO	Ant1	Low	5755	5780~5650	-42.45	≤-27	PASS
11N40SISO	Ant1	High	5795	5850~5855	-42.96	≤16.03	PASS
11N40SISO	Ant1	High	5795	5855~5875	-42.46	≤10.34	PASS
11N40SISO	Ant1	High	5795	5875~5925	-41.81	≤-26.71	PASS
11N40SISO	Ant1	High	5795	5925~5935	-41.27	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5720~5725	-41.24	≤16.08	PASS
11AC20SISO	Ant1	Low	5745	5700~5720	-41.76	≤10.54	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-41.79	≤-25.59	PASS
11AC20SISO	Ant1	Low	5745	5760~5650	-42.64	≤-27	PASS
11AC20SISO	Ant1	High	5825	5850~5855	-42.31	≤16.03	PASS
11AC20SISO	Ant1	High	5825	5855~5875	-41.38	≤10.74	PASS
11AC20SISO	Ant1	High	5825	5875~5925	-42.31	≤-26.41	PASS
11AC20SISO	Ant1	High	5825	5925~5935	-41.54	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5720~5725	-34.81	≤16.04	PASS
11AC40SISO	Ant1	Low	5755	5700~5720	-33.52	≤14.63	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-43.01	≤-26.90	PASS
11AC40SISO	Ant1	Low	5755	5780~5650	-40.89	≤-27	PASS
11AC40SISO	Ant1	High	5795	5850~5855	-43.63	≤15.66	PASS

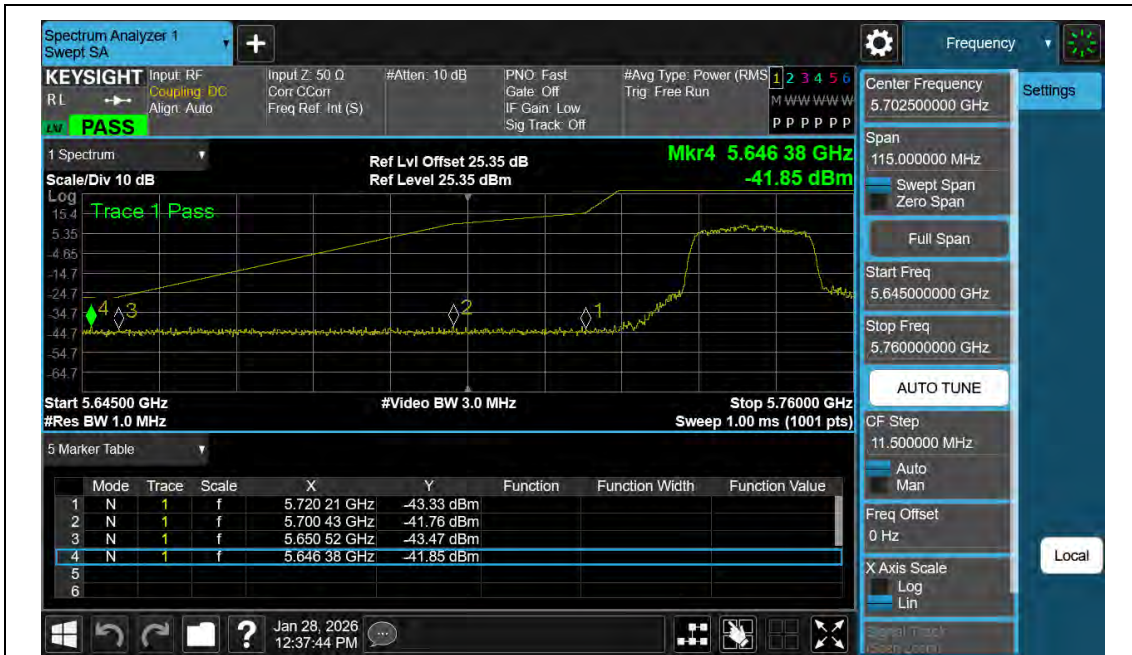
11AC40SISO	Ant1	High	5795	5855~5875	-41.02	≤10.16	PASS
11AC40SISO	Ant1	High	5795	5875~5925	-42.77	≤-26.34	PASS
11AC40SISO	Ant1	High	5795	5925~5935	-41.73	≤-27	PASS
11AC80SISO	Ant1	Low	5775	5720~5725	-31.67	≤15.65	PASS
11AC80SISO	Ant1	Low	5775	5700~5720	-34.37	≤10.35	PASS
11AC80SISO	Ant1	Low	5775	5650~5700	-42.82	≤-26.69	PASS
11AC80SISO	Ant1	Low	5775	5800~5650	-42.57	≤-27	PASS
11AC80SISO	Ant1	High	5775	5850~5855	-39.91	≤16.26	PASS
11AC80SISO	Ant1	High	5775	5855~5875	-39.95	≤10.45	PASS
11AC80SISO	Ant1	High	5775	5875~5925	-42.22	≤-25.64	PASS
11AC80SISO	Ant1	High	5775	5925~5935	-41.51	≤-27	PASS
11AX20SISO	Ant1	Low	5745	5720~5725	-41.74	≤15.82	PASS
11AX20SISO	Ant1	Low	5745	5700~5720	-42.31	≤10.09	PASS
11AX20SISO	Ant1	Low	5745	5650~5700	-42.68	≤-26.36	PASS
11AX20SISO	Ant1	Low	5745	5760~5650	-41.56	≤-27	PASS
11AX20SISO	Ant1	High	5825	5850~5855	-41.98	≤15.73	PASS
11AX20SISO	Ant1	High	5825	5855~5875	-41.04	≤10.29	PASS
11AX20SISO	Ant1	High	5825	5875~5925	-41.88	≤-26.91	PASS
11AX20SISO	Ant1	High	5825	5925~5935	-41.85	≤-27	PASS
11AX40SISO	Ant1	Low	5755	5720~5725	-34.05	≤16.04	PASS
11AX40SISO	Ant1	Low	5755	5700~5720	-29.38	≤15.31	PASS
11AX40SISO	Ant1	Low	5755	5650~5700	-42.03	≤-25.71	PASS
11AX40SISO	Ant1	Low	5755	5780~5650	-42.14	≤-27	PASS
11AX40SISO	Ant1	High	5795	5850~5855	-41.6	≤16.79	PASS
11AX40SISO	Ant1	High	5795	5855~5875	-41.32	≤10.71	PASS
11AX40SISO	Ant1	High	5795	5875~5925	-41.87	≤-26.95	PASS
11AX40SISO	Ant1	High	5795	5925~5935	-41.31	≤-27	PASS
11AX80SISO	Ant1	Low	5775	5720~5725	-29.52	≤16.00	PASS
11AX80SISO	Ant1	Low	5775	5700~5720	-29.98	≤11.57	PASS
11AX80SISO	Ant1	Low	5775	5650~5700	-42.72	≤-25.77	PASS
11AX80SISO	Ant1	Low	5775	5800~5650	-42.24	≤-27	PASS
11AX80SISO	Ant1	High	5775	5850~5855	-35.85	≤16.68	PASS
11AX80SISO	Ant1	High	5775	5855~5875	-38.07	≤10.40	PASS
11AX80SISO	Ant1	High	5775	5875~5925	-41.83	≤-26.87	PASS
11AX80SISO	Ant1	High	5775	5925~5935	-40.91	≤-27	PASS
11BE20SISO	Ant1	Low	5745	5720~5725	-41.14	≤15.82	PASS
11BE20SISO	Ant1	Low	5745	5700~5720	-41.15	≤10.76	PASS
11BE20SISO	Ant1	Low	5745	5650~5700	-41.96	≤-25.08	PASS
11BE20SISO	Ant1	Low	5745	5760~5650	-42.54	≤-27	PASS
11BE20SISO	Ant1	High	5825	5850~5855	-41.05	≤15.73	PASS
11BE20SISO	Ant1	High	5825	5855~5875	-41.85	≤10.47	PASS
11BE20SISO	Ant1	High	5825	5875~5925	-40.83	≤-26.61	PASS
11BE20SISO	Ant1	High	5825	5925~5935	-41.15	≤-27	PASS

11BE40SISO	Ant1	Low	5755	5720~5725	-27.34	≤ 15.74	PASS
11BE40SISO	Ant1	Low	5755	5700~5720	-25.89	≤ 14.94	PASS
11BE40SISO	Ant1	Low	5755	5650~5700	-40.63	≤ -24.81	PASS
11BE40SISO	Ant1	Low	5755	5780~5650	-41.8	≤ -27	PASS
11BE40SISO	Ant1	High	5795	5850~5855	-40.13	≤ 15.66	PASS
11BE40SISO	Ant1	High	5795	5855~5875	-40.18	≤ 10.39	PASS
11BE40SISO	Ant1	High	5795	5875~5925	-40.41	≤ -25.85	PASS
11BE40SISO	Ant1	High	5795	5925~5935	-40.86	≤ -27	PASS
11BE80SISO	Ant1	Low	5775	5720~5725	-37.03	≤ 15.65	PASS
11BE80SISO	Ant1	Low	5775	5700~5720	-37.6	≤ 10.61	PASS
11BE80SISO	Ant1	Low	5775	5650~5700	-43.78	≤ -26.91	PASS
11BE80SISO	Ant1	Low	5775	5800~5650	-42.39	≤ -27	PASS
11BE80SISO	Ant1	High	5775	5850~5855	-38.43	≤ 16.68	PASS
11BE80SISO	Ant1	High	5775	5855~5875	-40.47	≤ 10.97	PASS
11BE80SISO	Ant1	High	5775	5875~5925	-43.22	≤ -26.73	PASS
11BE80SISO	Ant1	High	5775	5925~5935	-41.03	≤ -27	PASS



Test Graphs B4

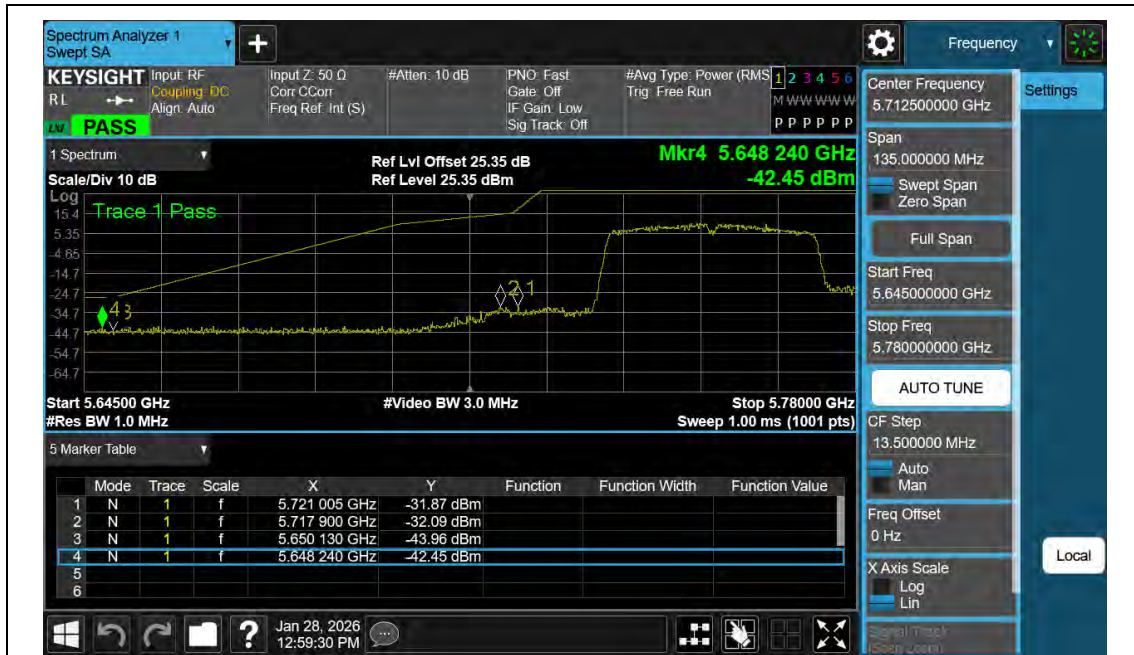




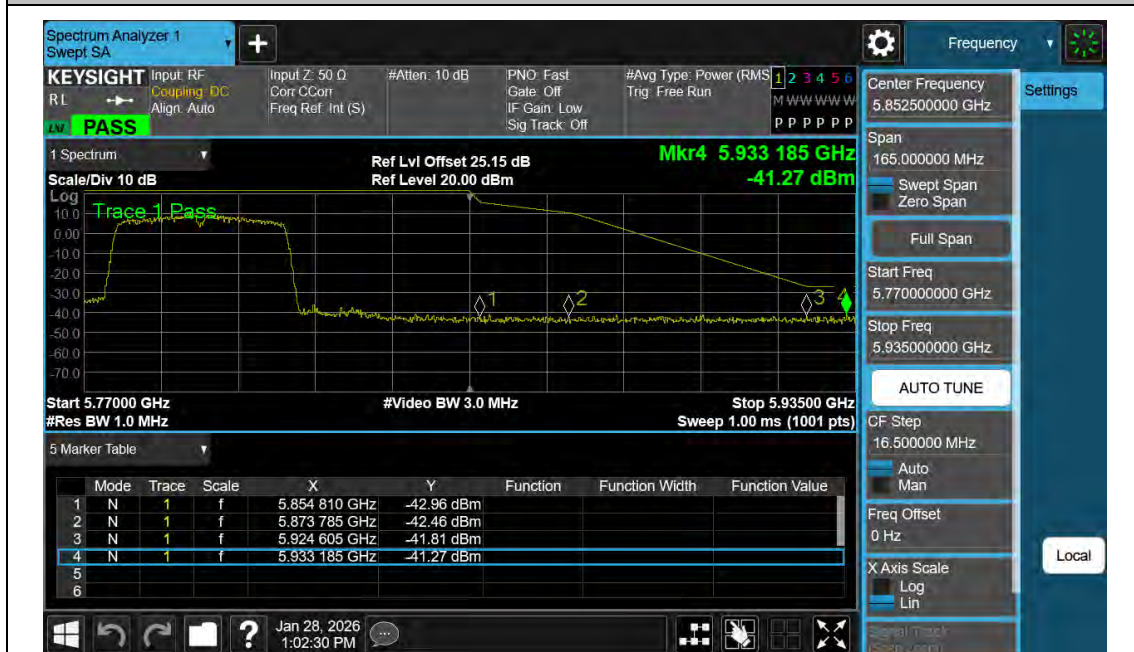
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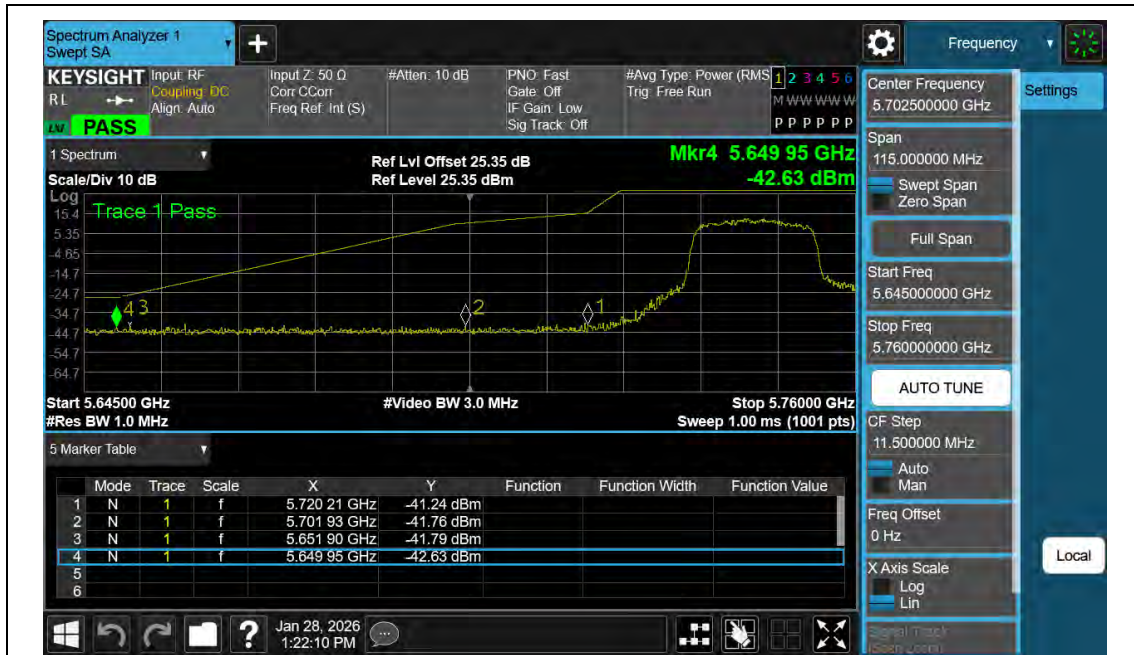
11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS



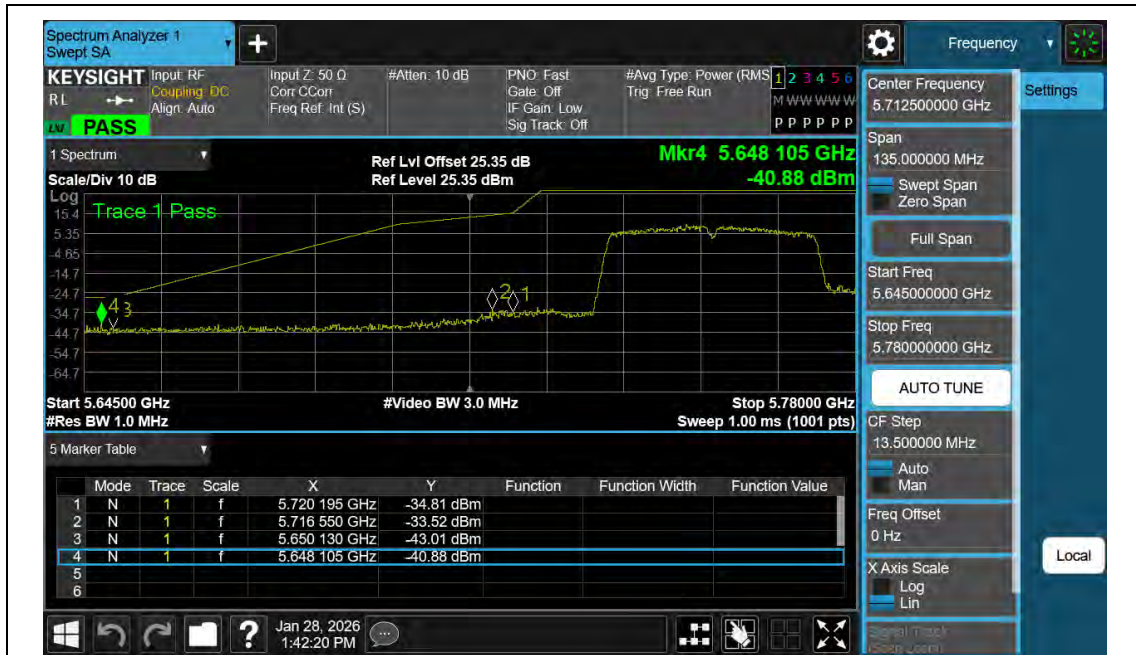
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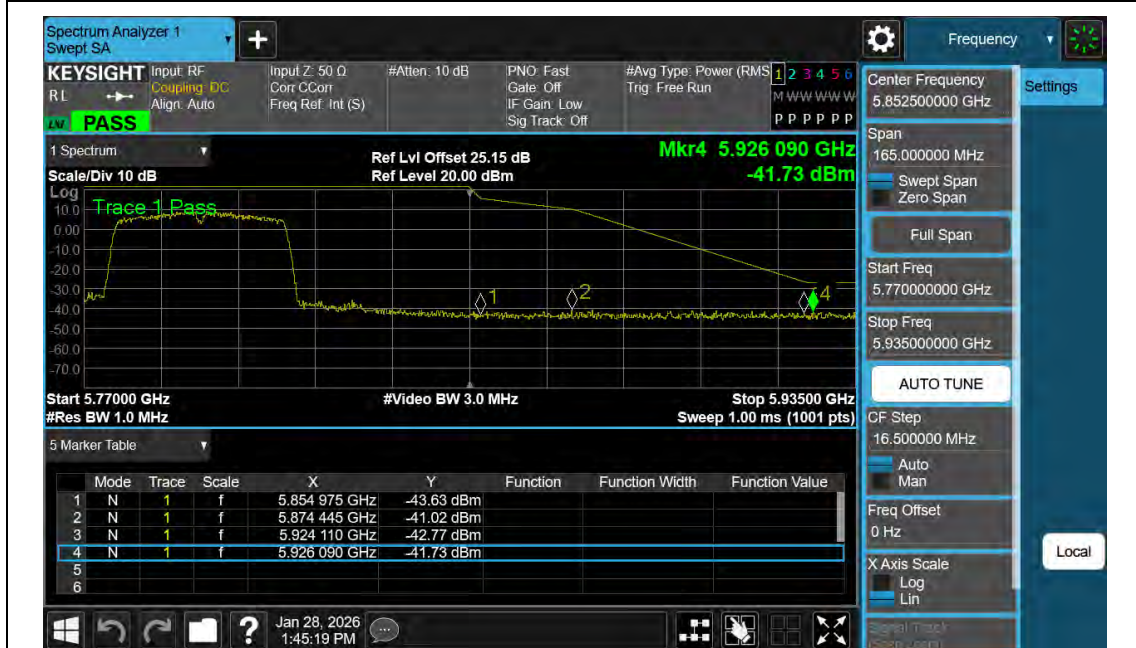
11AC20SISO-Ant1-5825-PASS



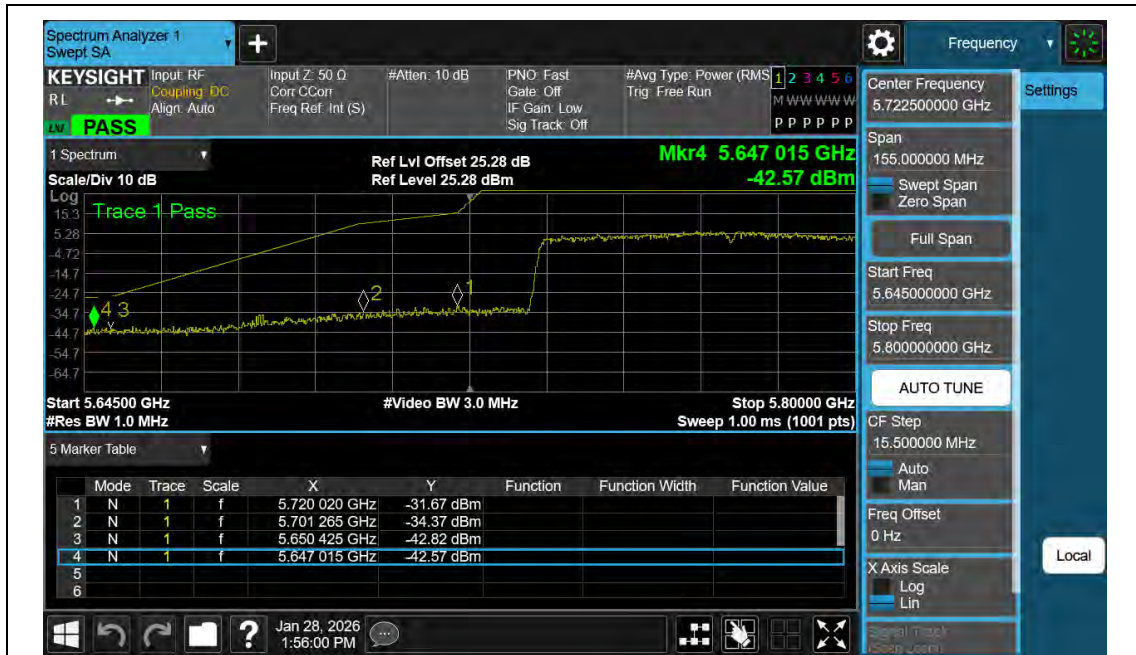
11AC40SISO-Ant1-5755-PASS



11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5775-PASS



11AC80SISO-Ant1-5775-PASS



11AX20SISO-Ant1-5745-PASS



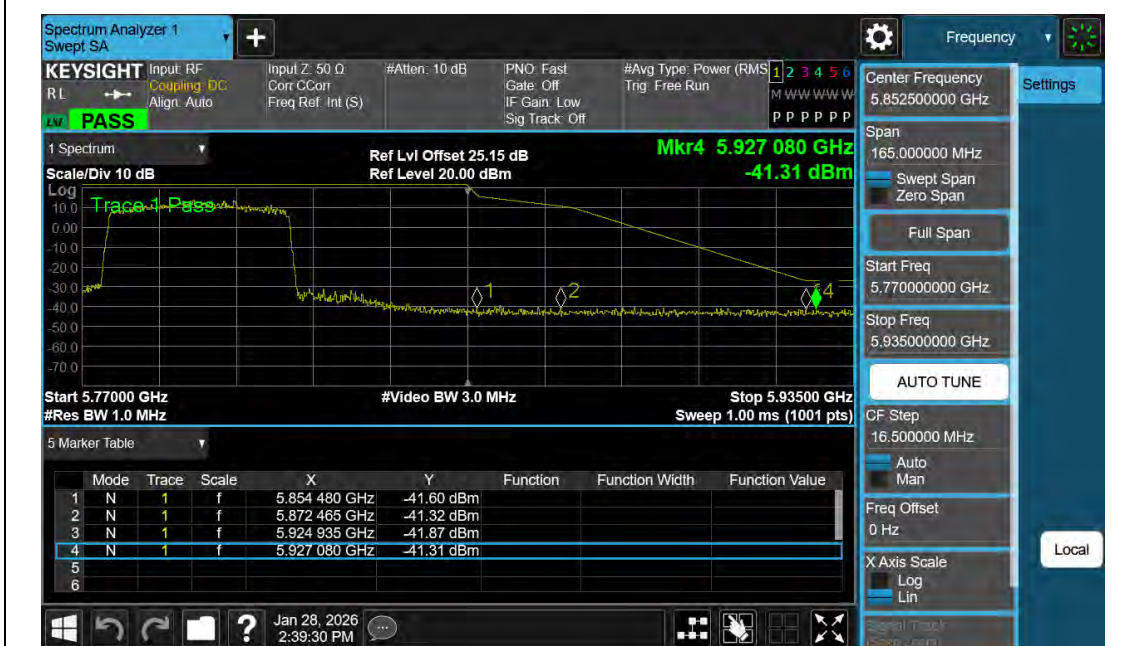
11AX20SISO-Ant1-5825-PASS



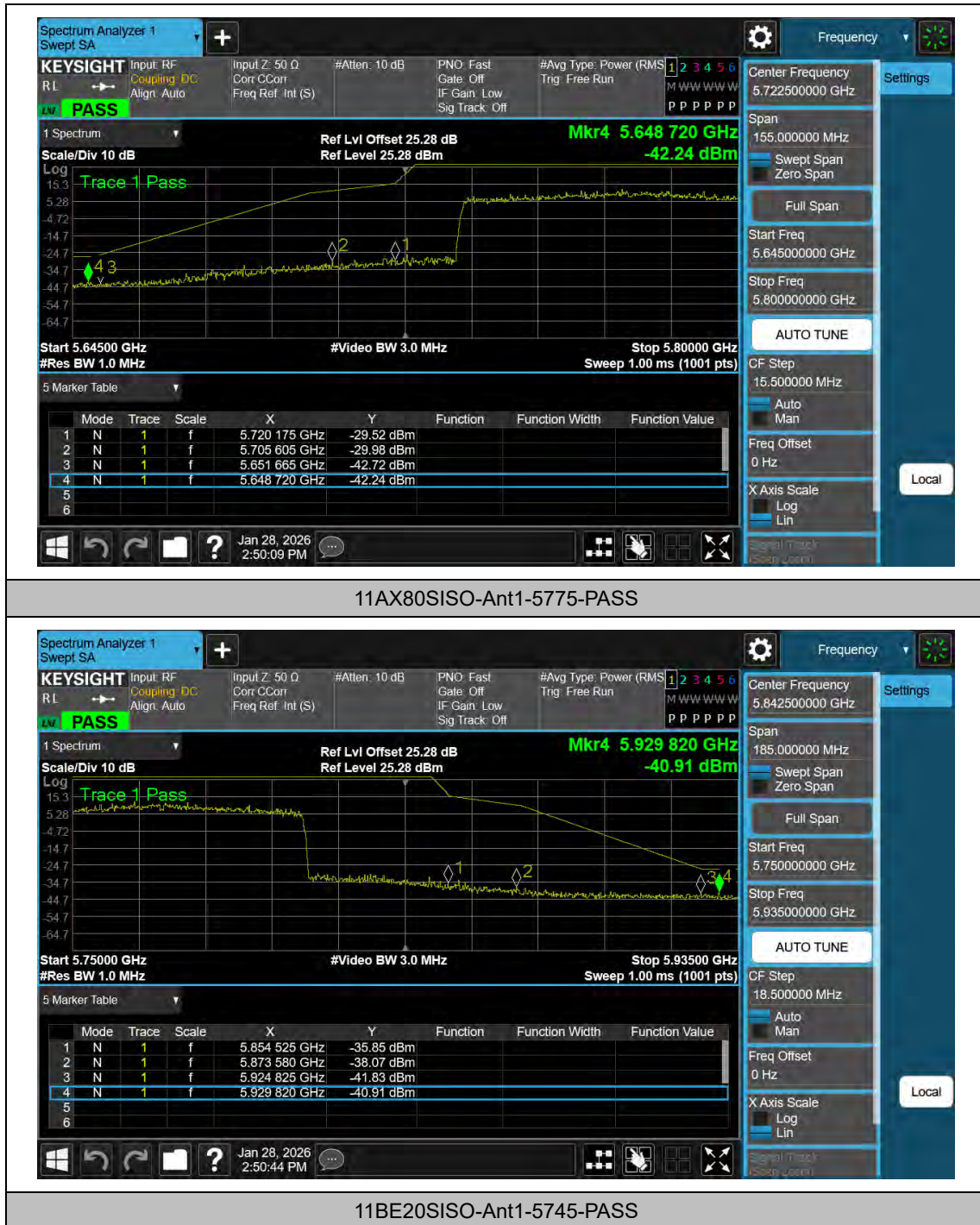
11AX40SISO-Ant1-5755-PASS



11AX40SiSO-Ant1-5795-PASS



11AX80SiSO-Ant1-5775-PASS

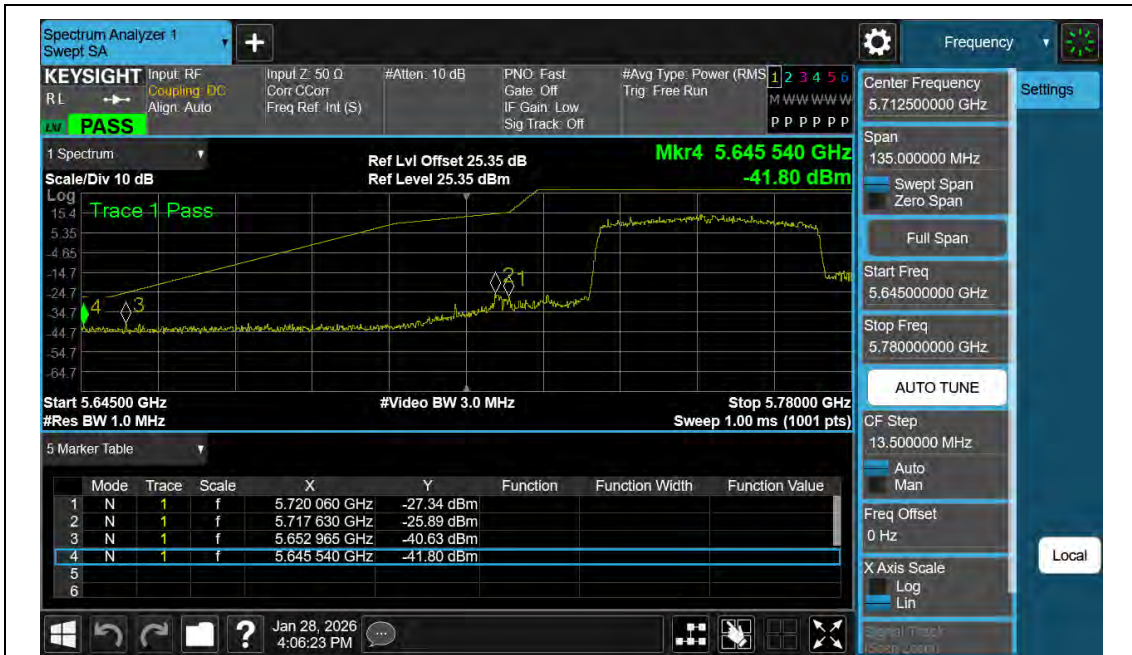




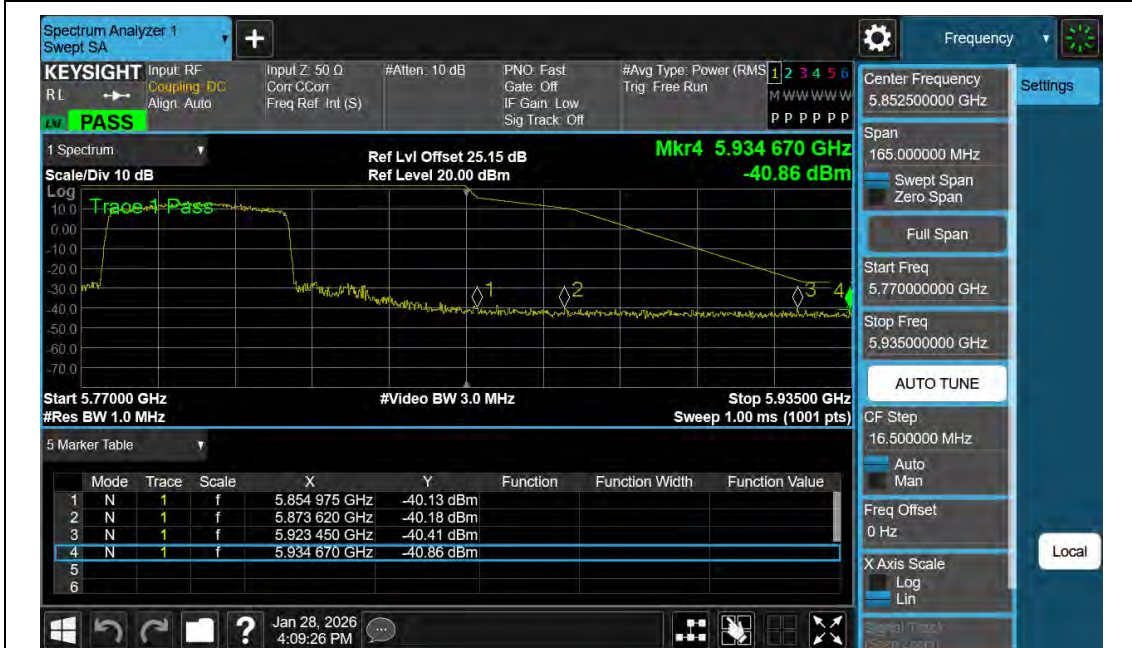
11BE20SISO-Ant1-5825-PASS



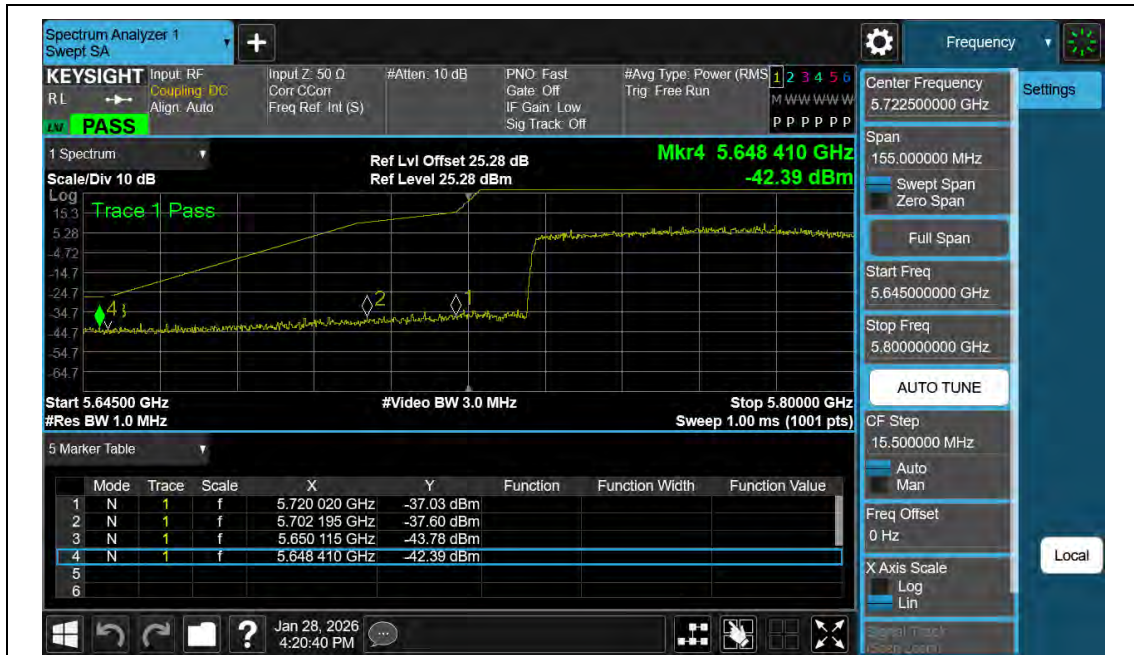
11BE40SISO-Ant1-5755-PASS



11BE40SiSO-Ant1-5795-PASS



11BE80SiSO-Ant1-5775-PASS



11BE80SiSO-Ant1-5775-PASS



Appendix F: Frequency Stability

Test Result

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	LV	NT	0.00	0.000000	20	PASS
11A	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5260	NV	NT	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	LV	NT	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	HV	NT	-20000.00	-3.802281	20	PASS
11A	Ant1	5500	NV	NT	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	LV	NT	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	HV	NT	-20000.00	-3.636364	20	PASS
11A	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	LV	NT	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	HV	NT	-40000.00	-6.962576	20	PASS

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	-20	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	-10	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	0	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	10	-60000.00	-11.583012	20	PASS
11A	Ant1	5180	NV	20	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	30	-40000.00	-7.722008	20	PASS
11A	Ant1	5180	NV	40	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	50	-40000.00	-7.722008	20	PASS
11A	Ant1	5260	NV	-30	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	-20	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	-10	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	0	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	10	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	20	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	30	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	40	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	50	-40000.00	-7.604563	20	PASS
11A	Ant1	5500	NV	-30	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	-20	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	-10	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	0	-40000.00	-7.272727	20	PASS



11A	Ant1	5500	NV	10	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	NV	20	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	30	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	40	0.00	0.000000	20	PASS
11A	Ant1	5500	NV	50	-20000.00	-3.636364	20	PASS
11A	Ant1	5745	NV	-30	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	NV	-20	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	-10	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	0	-40000.00	-6.962576	20	PASS
11A	Ant1	5745	NV	10	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	20	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	30	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	40	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	50	-20000.00	-3.481288	20	PASS