

Appendix B: Duty Cycle

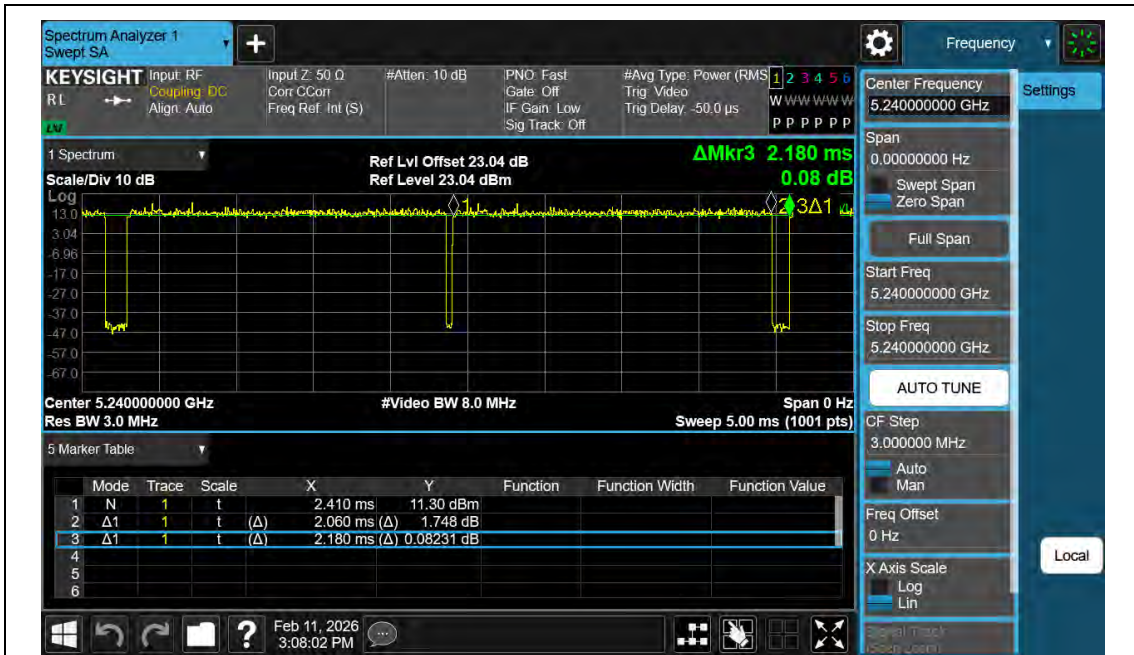
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.06	2.12	97.17
11A	Ant1	5200	2.06	2.15	95.81
11A	Ant1	5240	2.06	2.18	94.50
11A	Ant1	5745	2.07	2.15	96.28
11A	Ant1	5785	2.07	2.12	97.64
11A	Ant1	5825	2.07	2.24	92.41
11N20SISO	Ant1	5180	1.92	2.00	96.00
11N20SISO	Ant1	5200	1.92	2.09	91.87
11N20SISO	Ant1	5240	1.92	2.02	95.05
11N20SISO	Ant1	5745	1.92	2.00	96.00
11N20SISO	Ant1	5785	1.92	2.05	93.66
11N20SISO	Ant1	5825	1.92	2.05	93.66
11N40SISO	Ant1	5190	0.95	1.03	92.23
11N40SISO	Ant1	5230	0.94	1.09	86.24
11N40SISO	Ant1	5755	0.95	1.06	89.62
11N40SISO	Ant1	5795	0.94	1.08	87.04
11AC20SISO	Ant1	5180	1.93	2.06	93.69
11AC20SISO	Ant1	5200	1.93	2.09	92.34
11AC20SISO	Ant1	5240	1.93	2.11	91.47
11AC20SISO	Ant1	5745	1.93	2.03	95.07
11AC20SISO	Ant1	5785	1.93	2.05	94.15
11AC20SISO	Ant1	5825	1.94	2.02	96.04
11AC40SISO	Ant1	5190	0.96	1.04	92.31
11AC40SISO	Ant1	5230	0.96	1.09	88.07
11AC40SISO	Ant1	5755	0.95	1.12	84.82
11AC40SISO	Ant1	5795	0.95	1.09	87.16
11AC80SISO	Ant1	5210	0.46	0.63	73.02
11AC80SISO	Ant1	5775	0.46	0.63	73.02

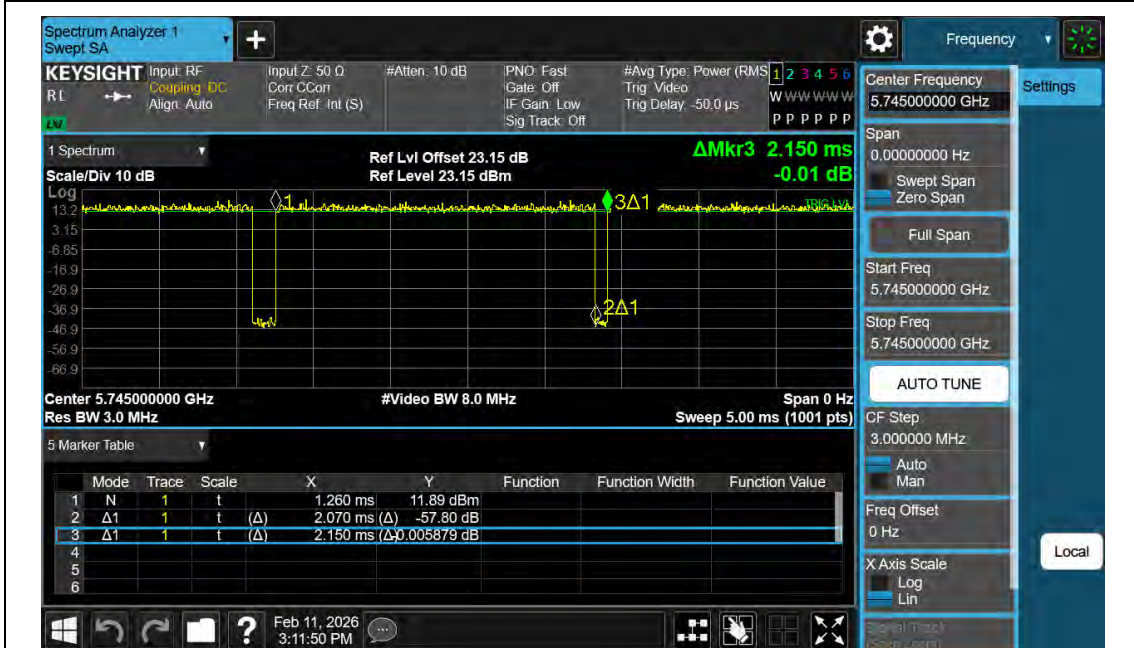


Test Graphs

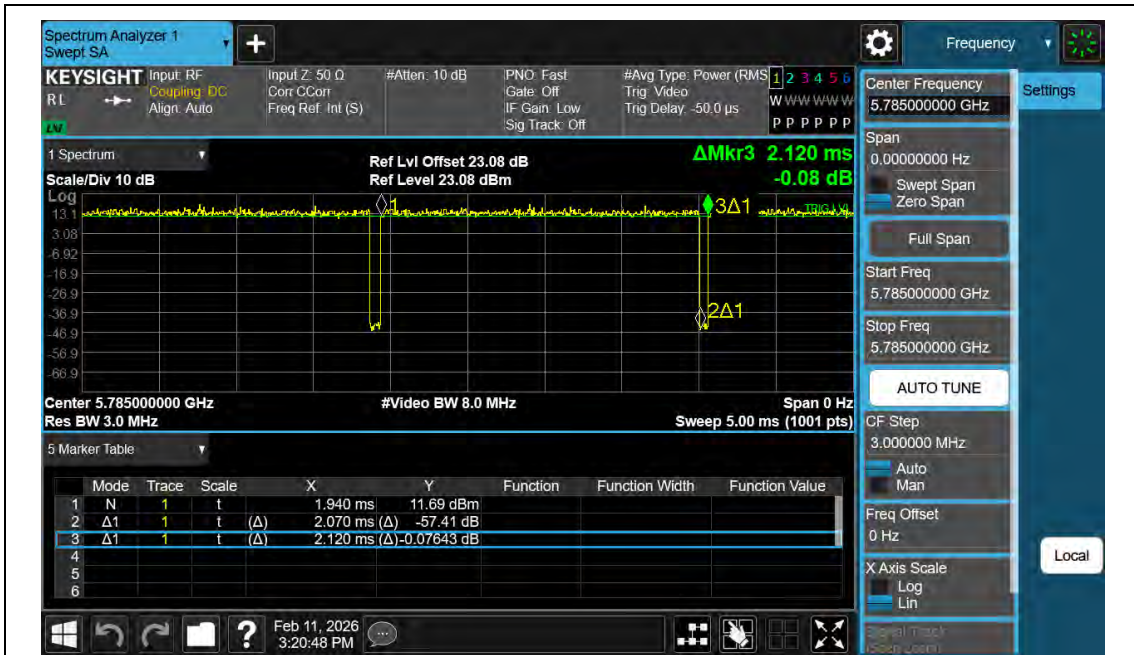




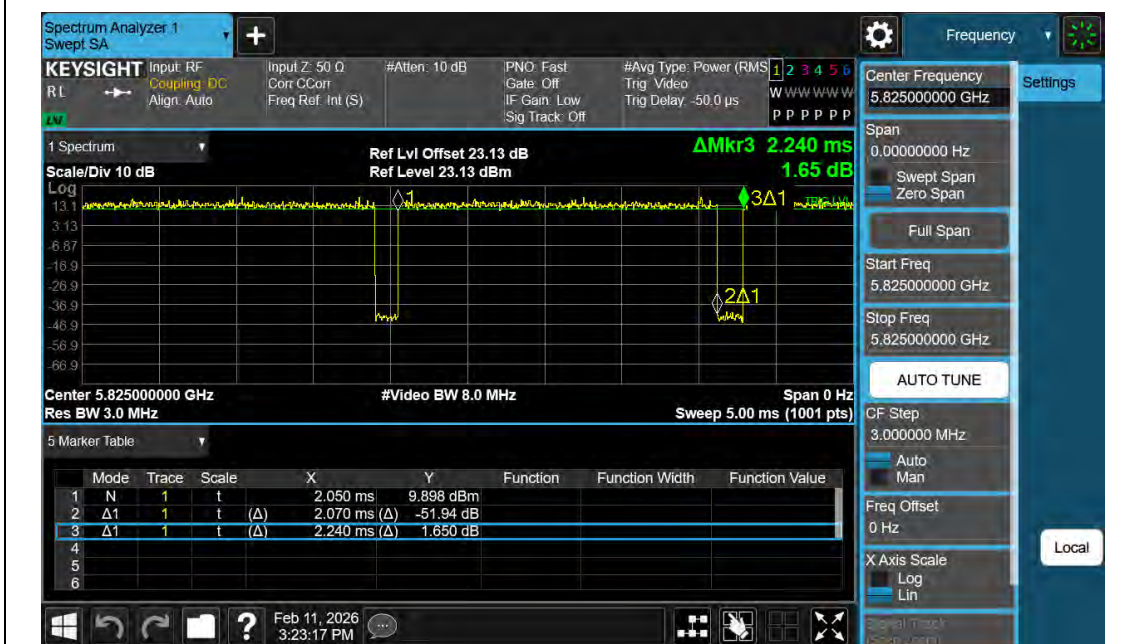
NTNV-11A-Ant1-5745



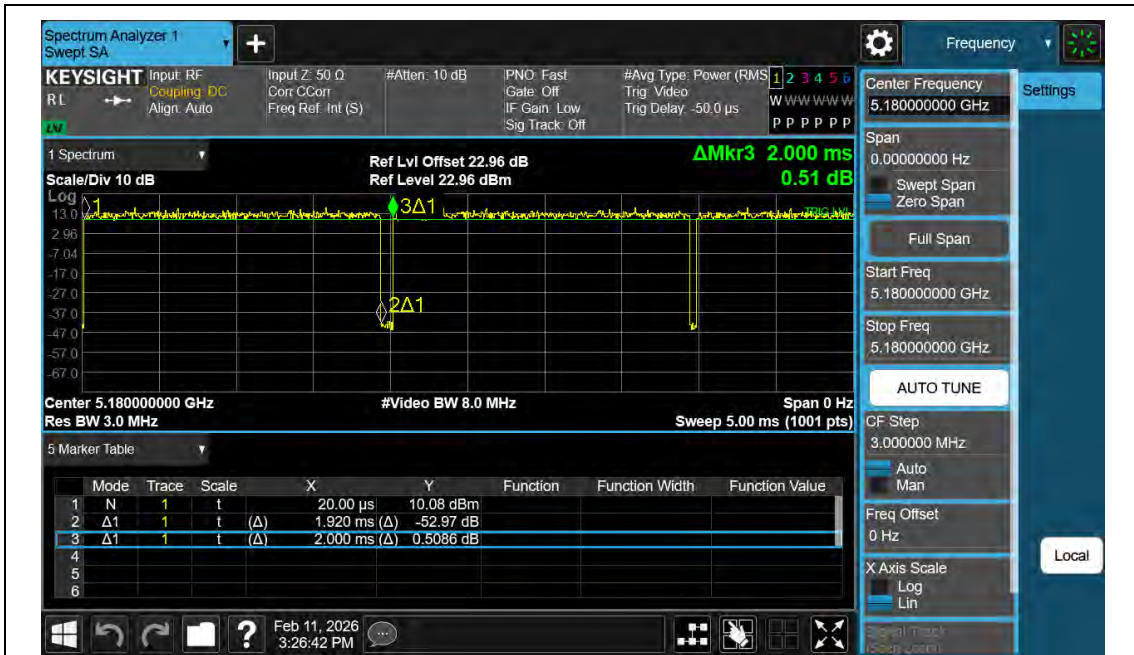
NTNV-11A-Ant1-5785



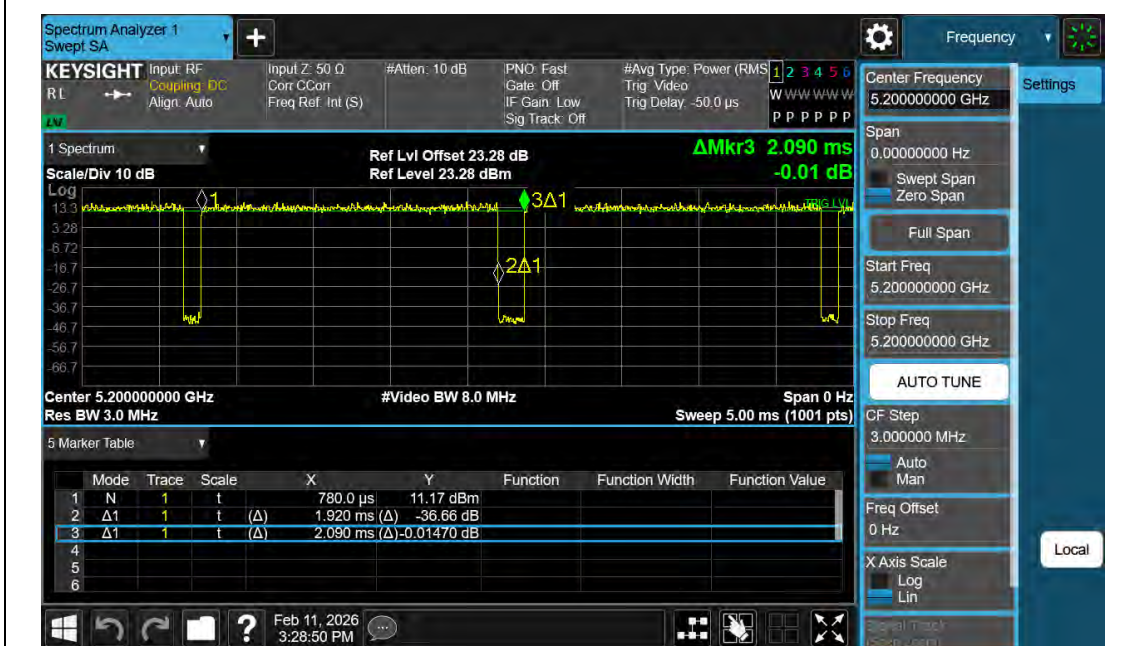
NTNV-11A-Ant1-5825



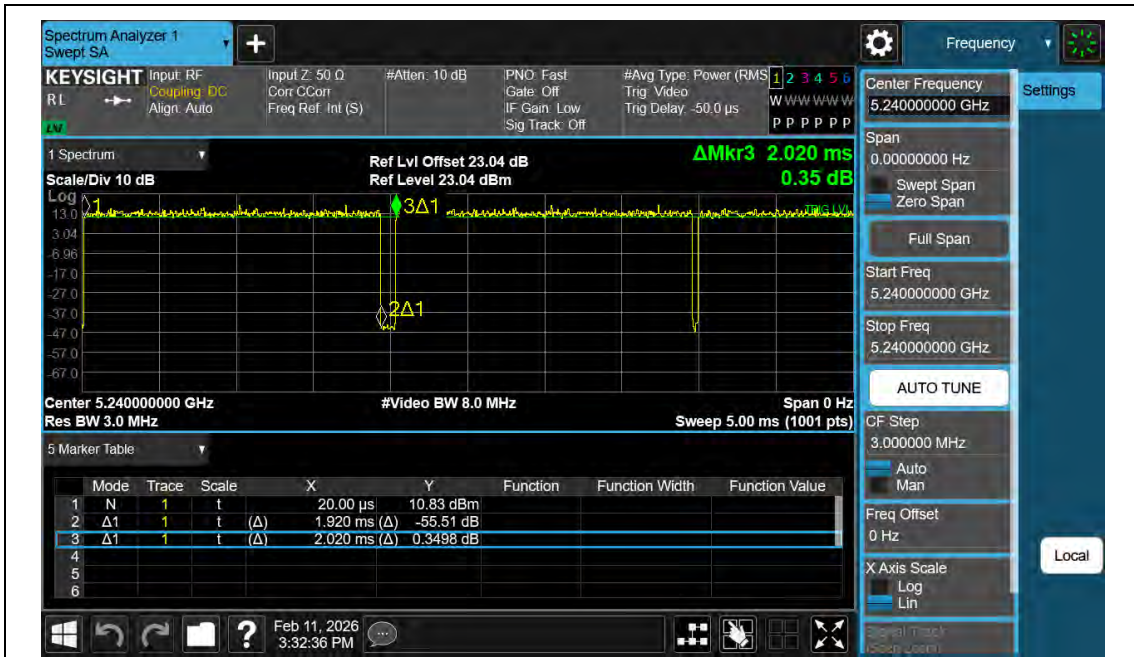
NTNV-11N20SISO-Ant1-5180



NTNV-11N20SISO-Ant1-5200



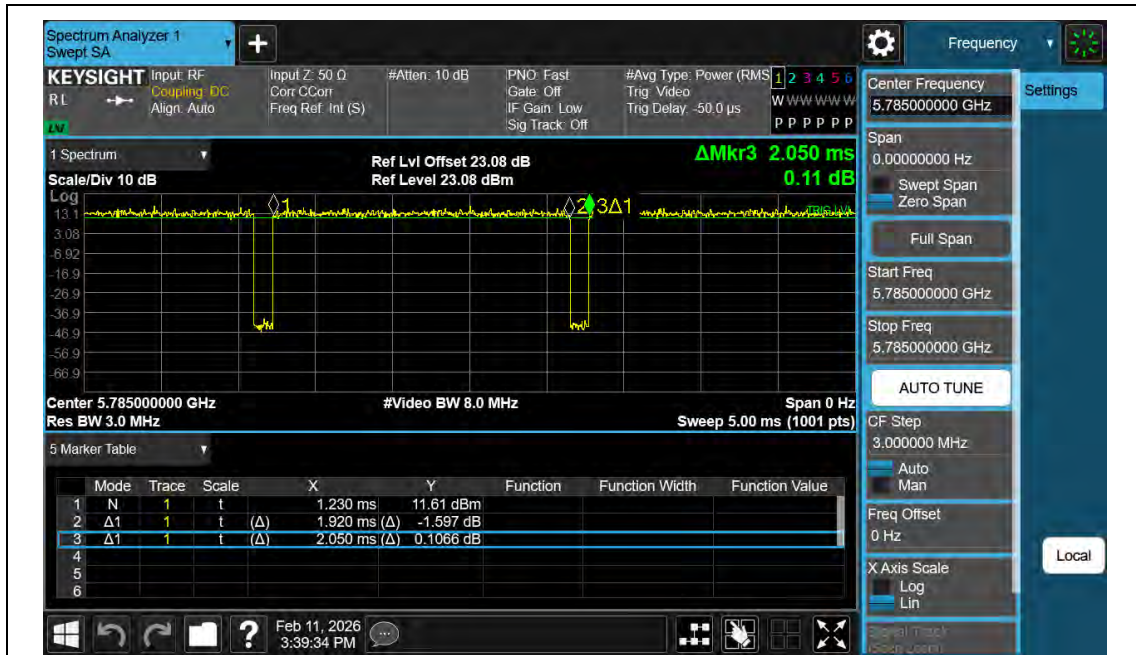
NTNV-11N20SISO-Ant1-5240



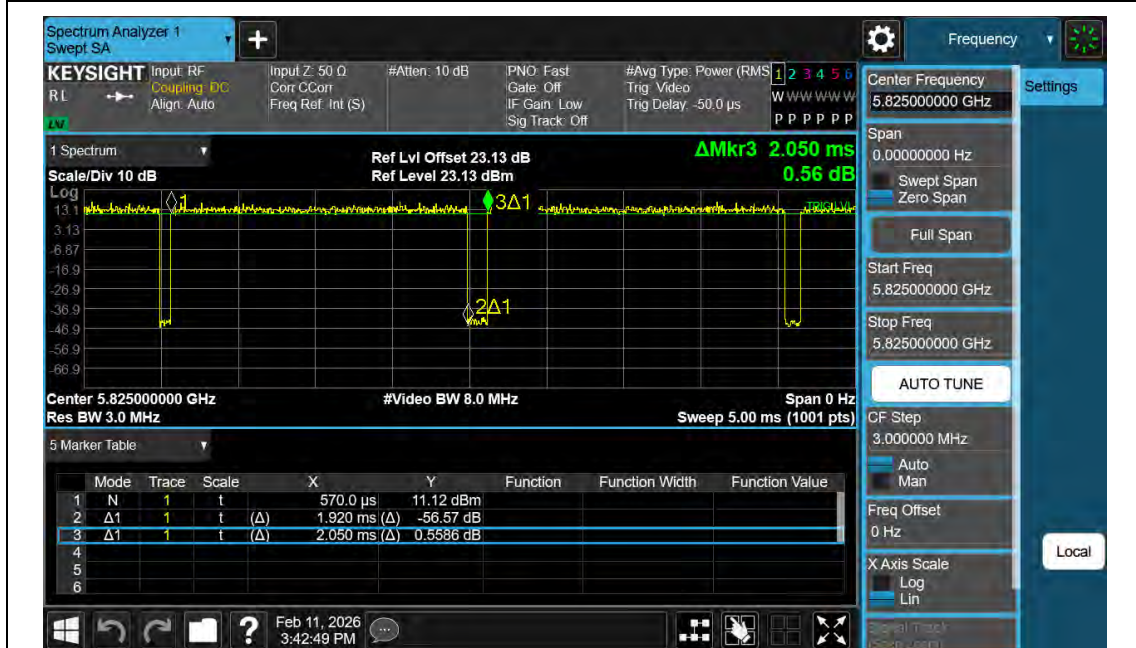
NTNV-11N20SISO-Ant1-5745



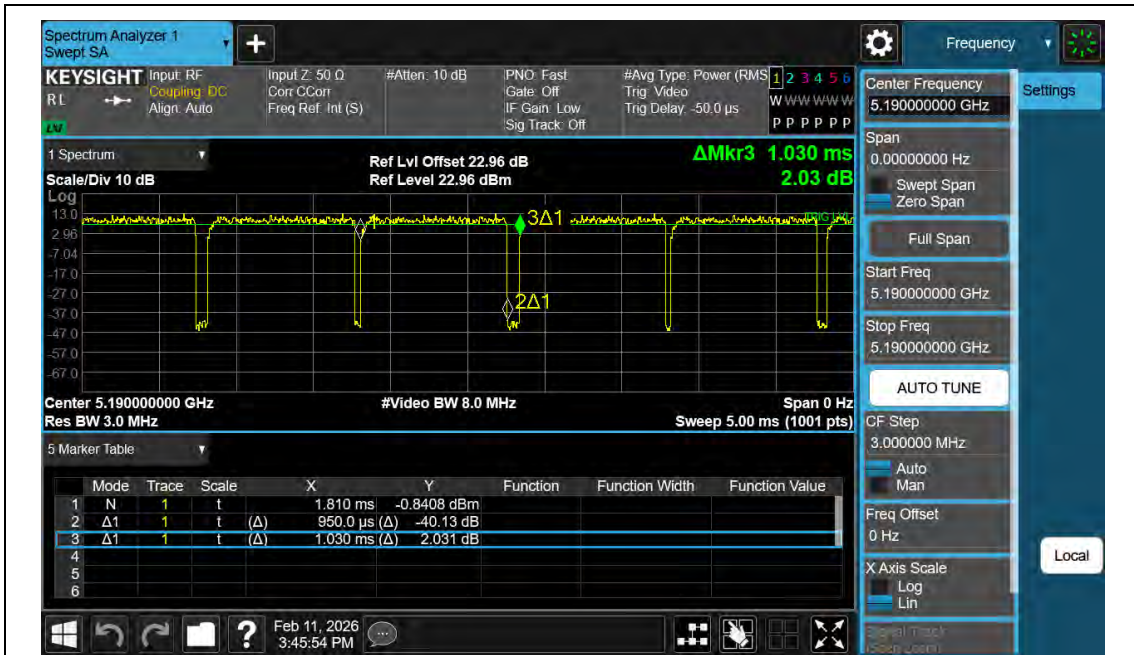
NTNV-11N20SISO-Ant1-5785



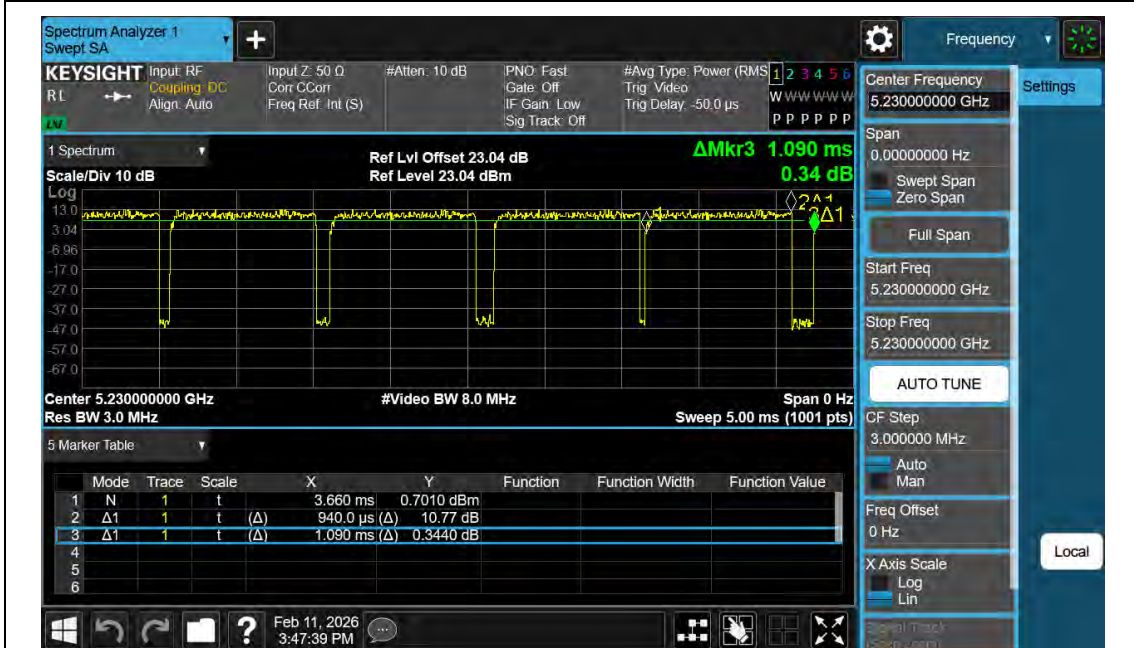
NTNV-11N20SISO-Ant1-5825



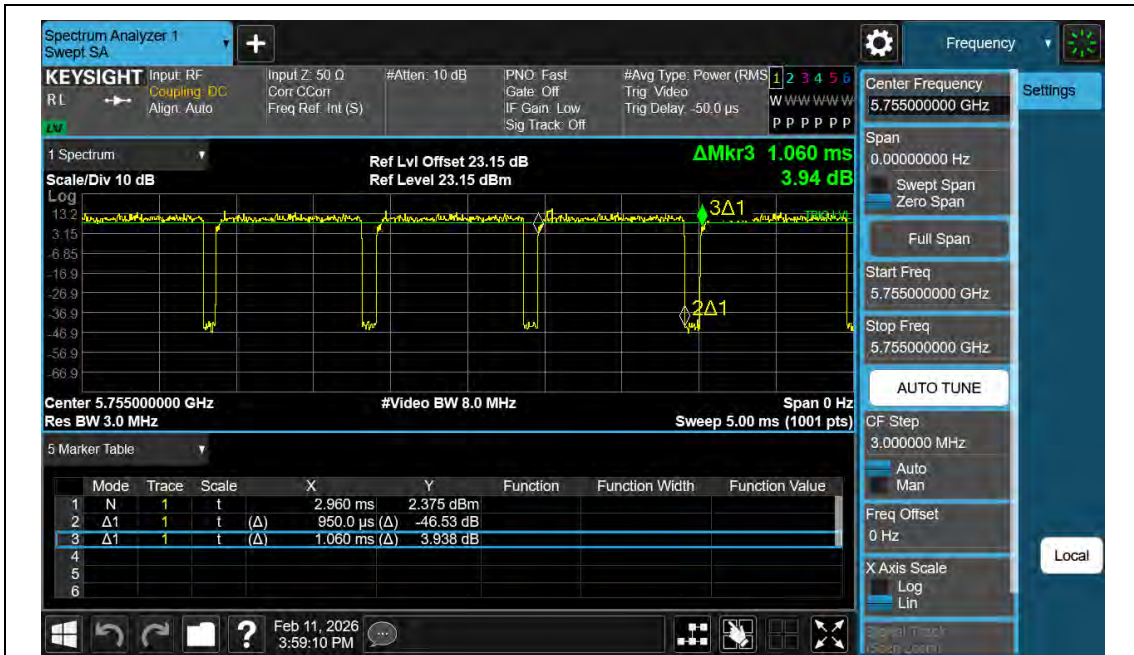
NTNV-11N40SISO-Ant1-5190



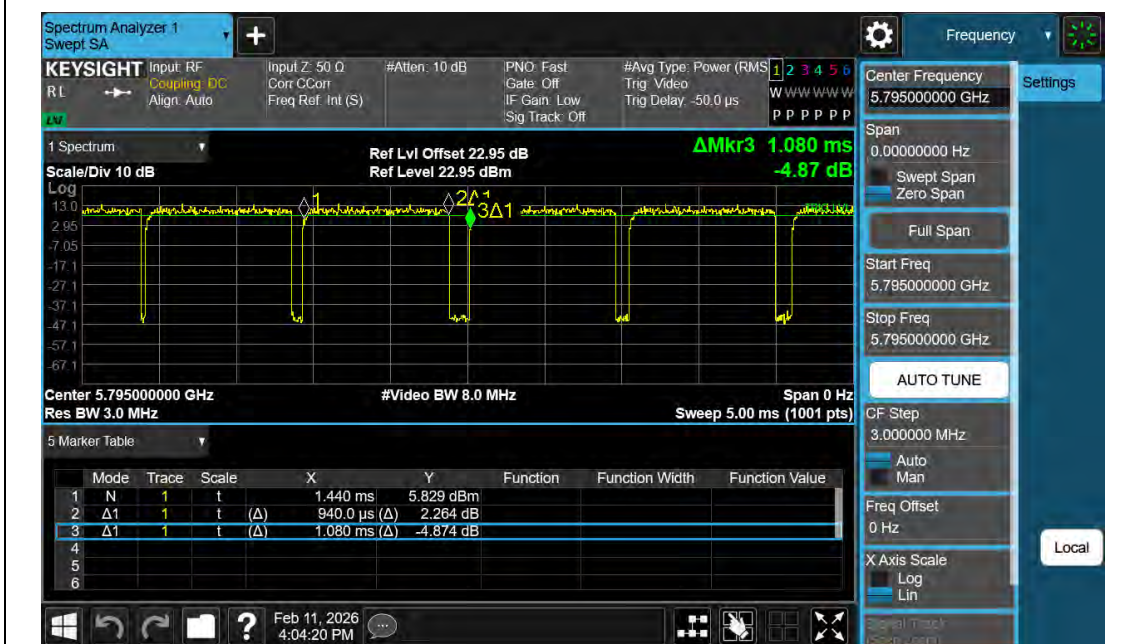
NTNV-11N40SISO-Ant1-5230



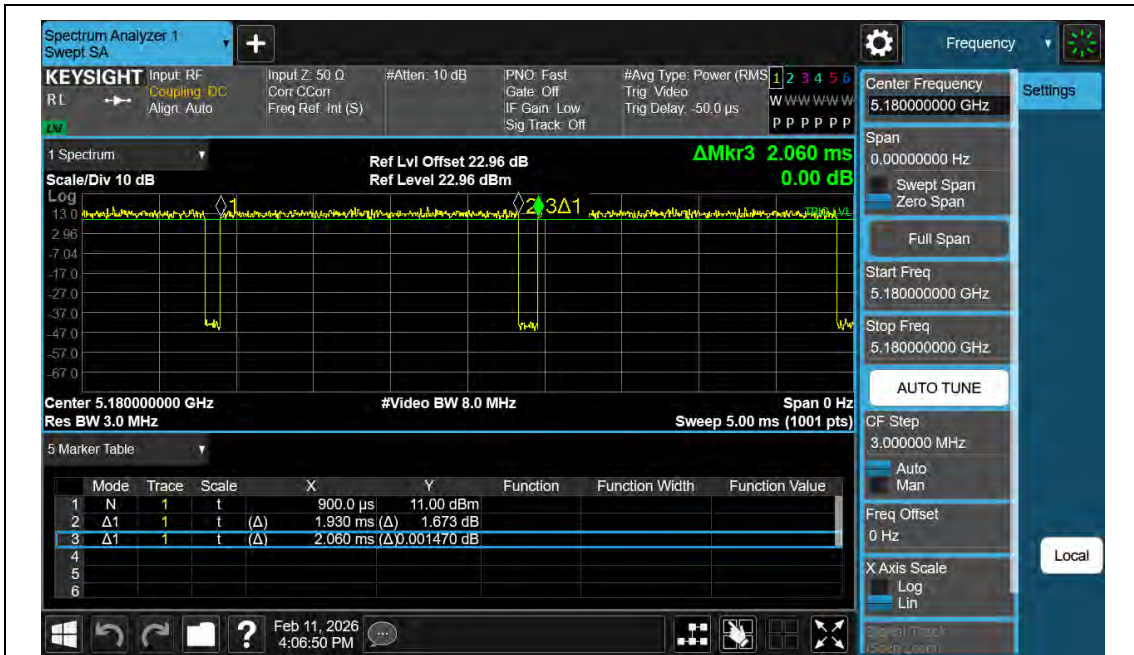
NTNV-11N40SISO-Ant1-5755



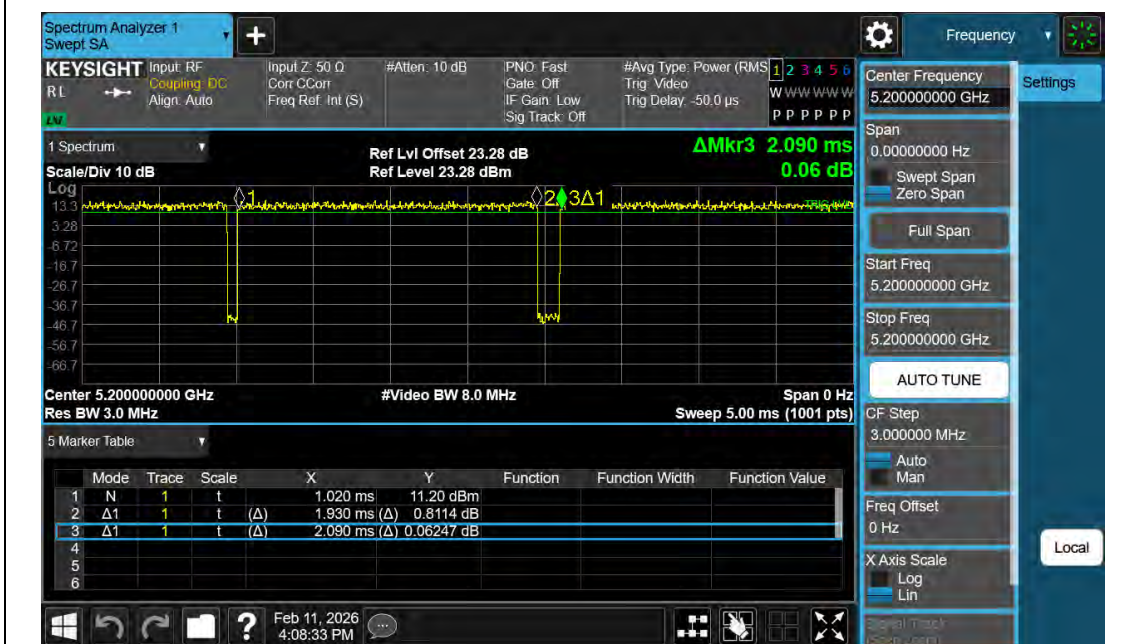
NTNV-11N40SISO-Ant1-5795



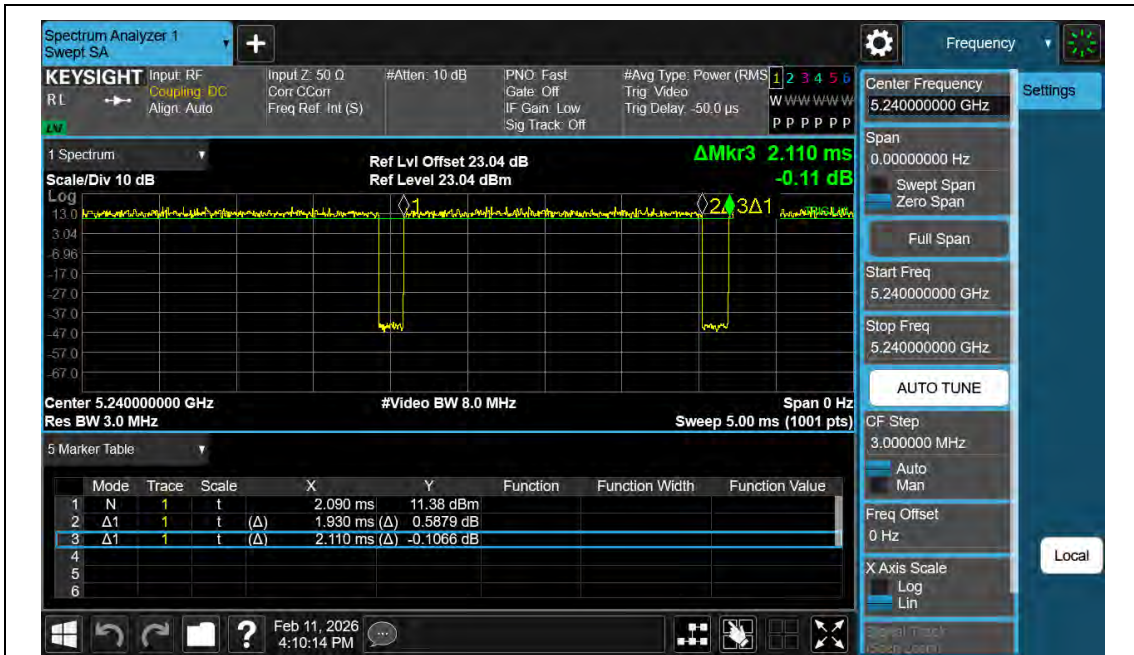
NTNV-11AC20SISO-Ant1-5180



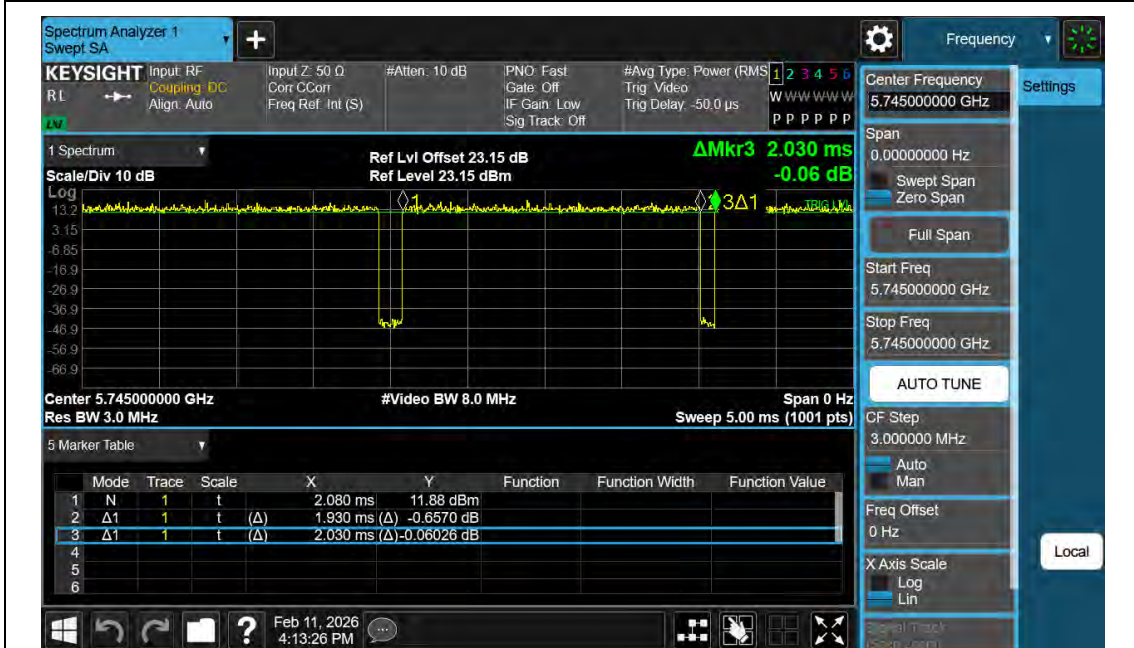
NTNV-11AC20SISO-Ant1-5200



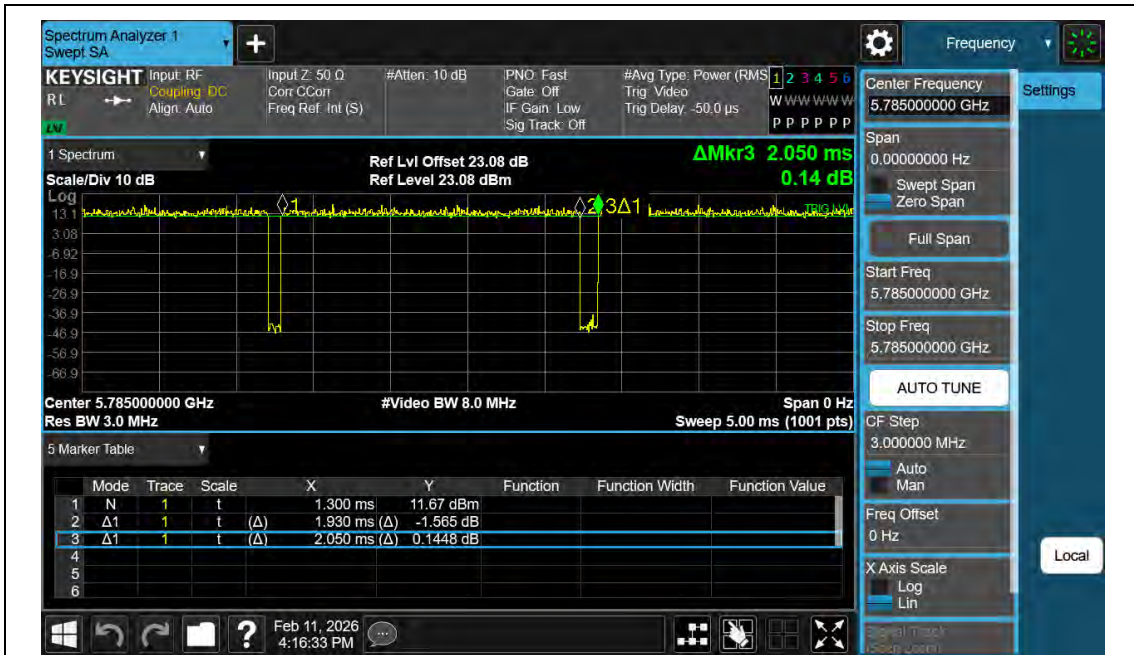
NTNV-11AC20SISO-Ant1-5240



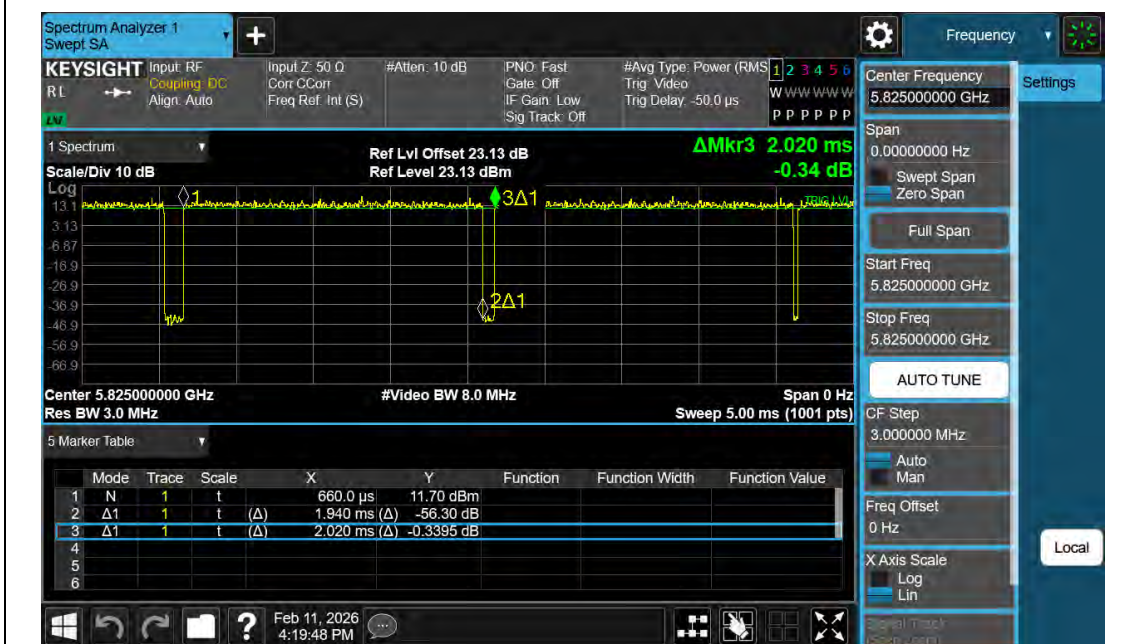
NTNV-11AC20SISO-Ant1-5745



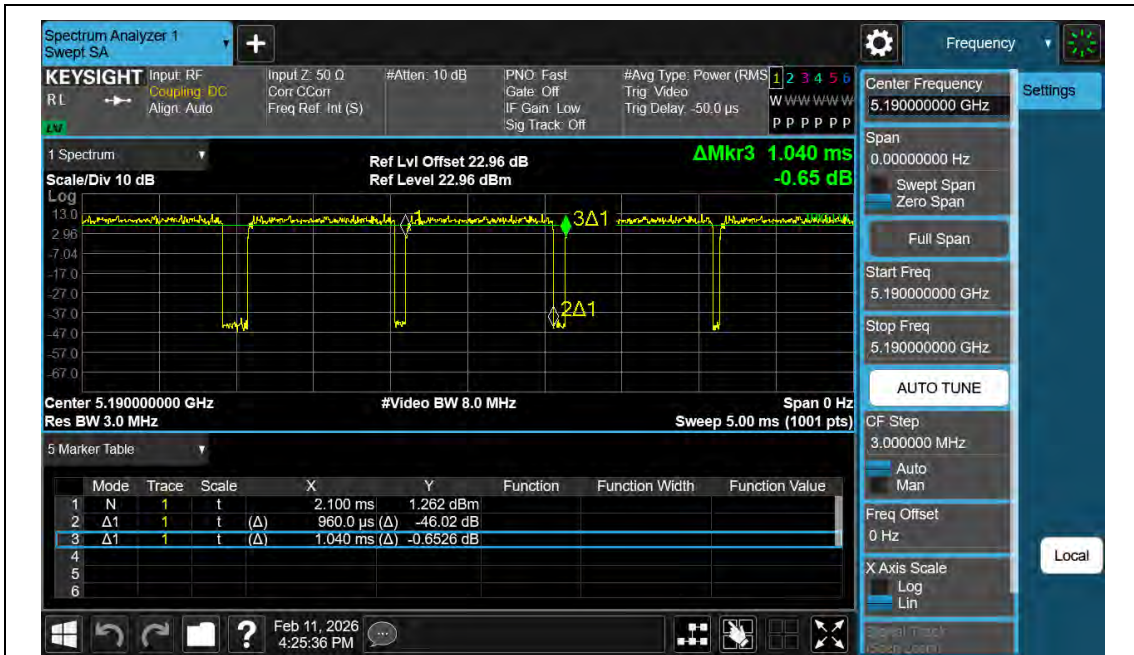
NTNV-11AC20SISO-Ant1-5785



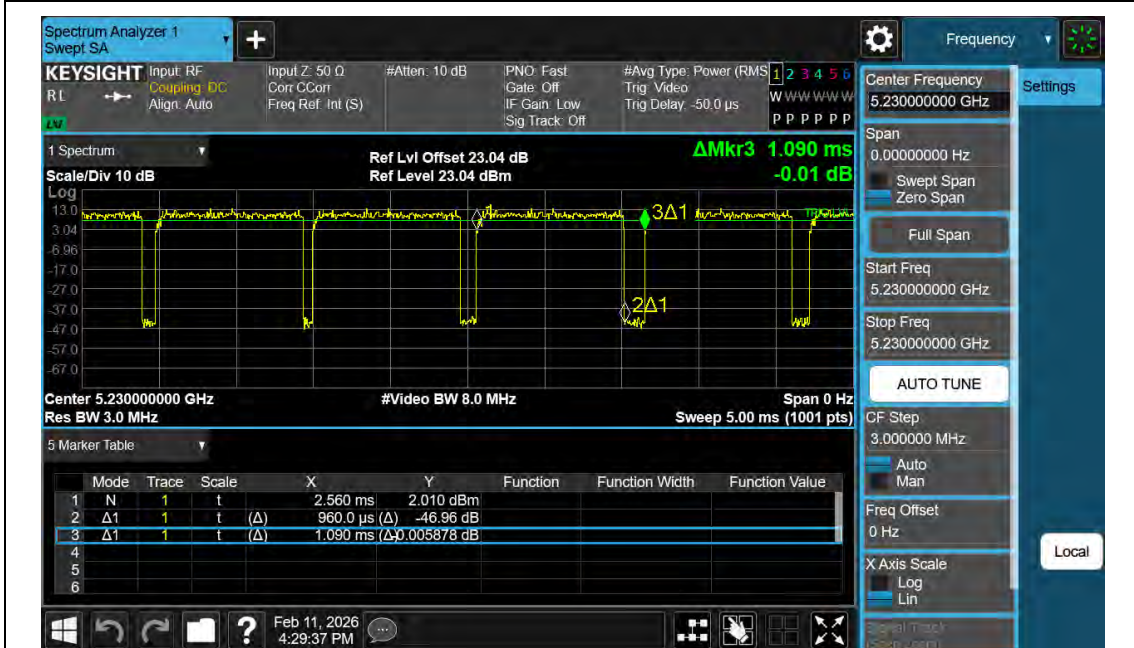
NTNV-11AC20SISO-Ant1-5825



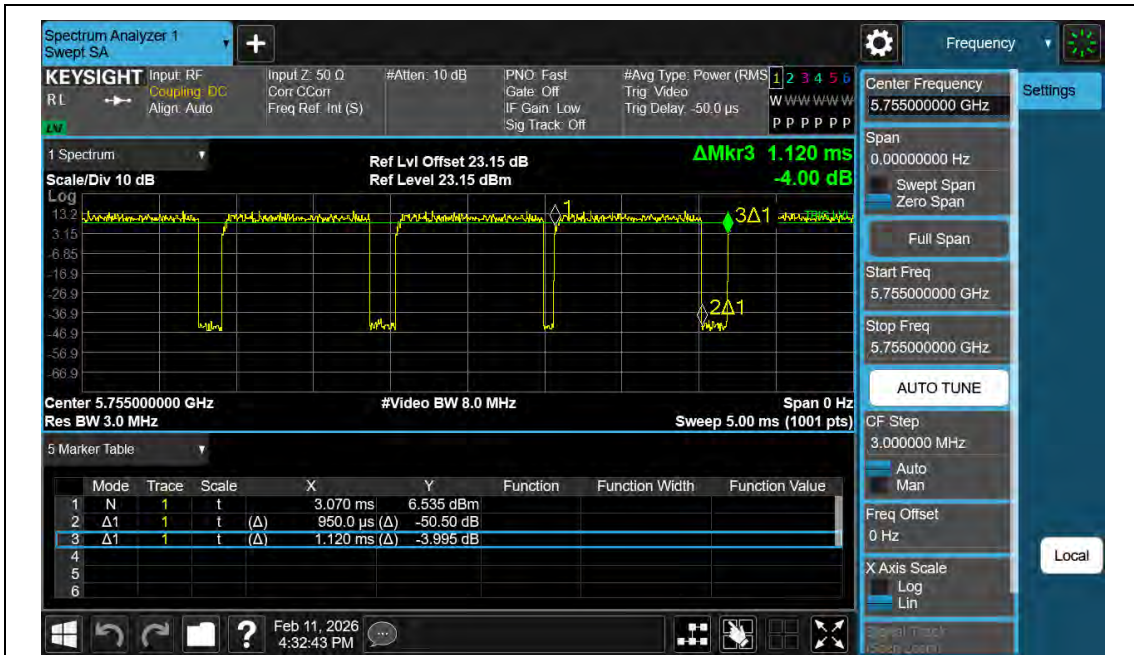
NTNV-11AC40SISO-Ant1-5190



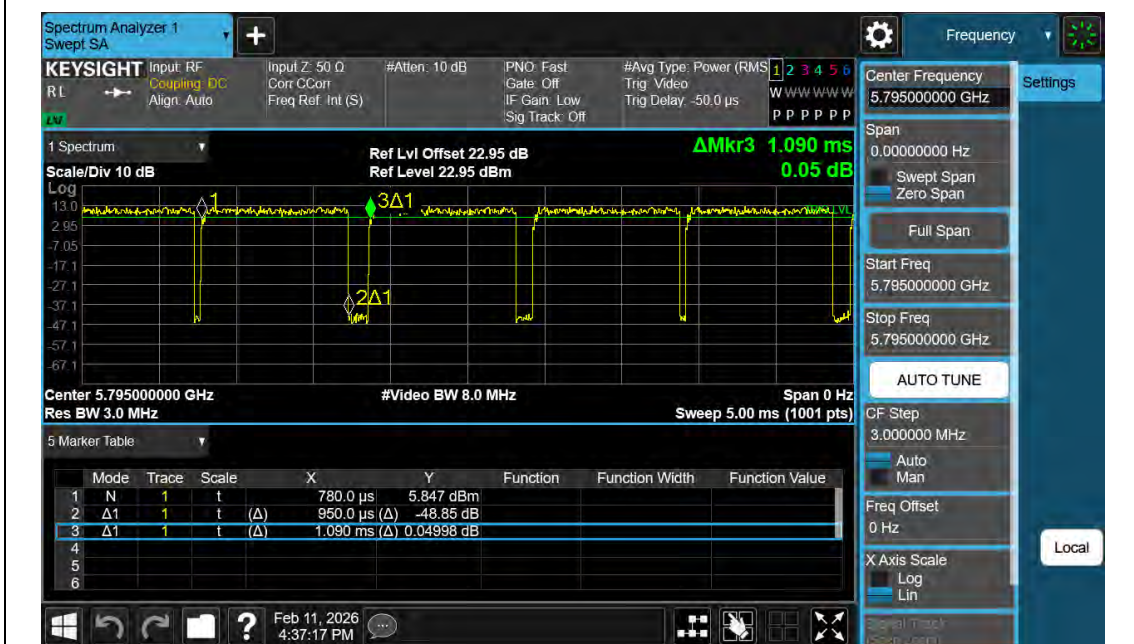
NTNV-11AC40SISO-Ant1-5230



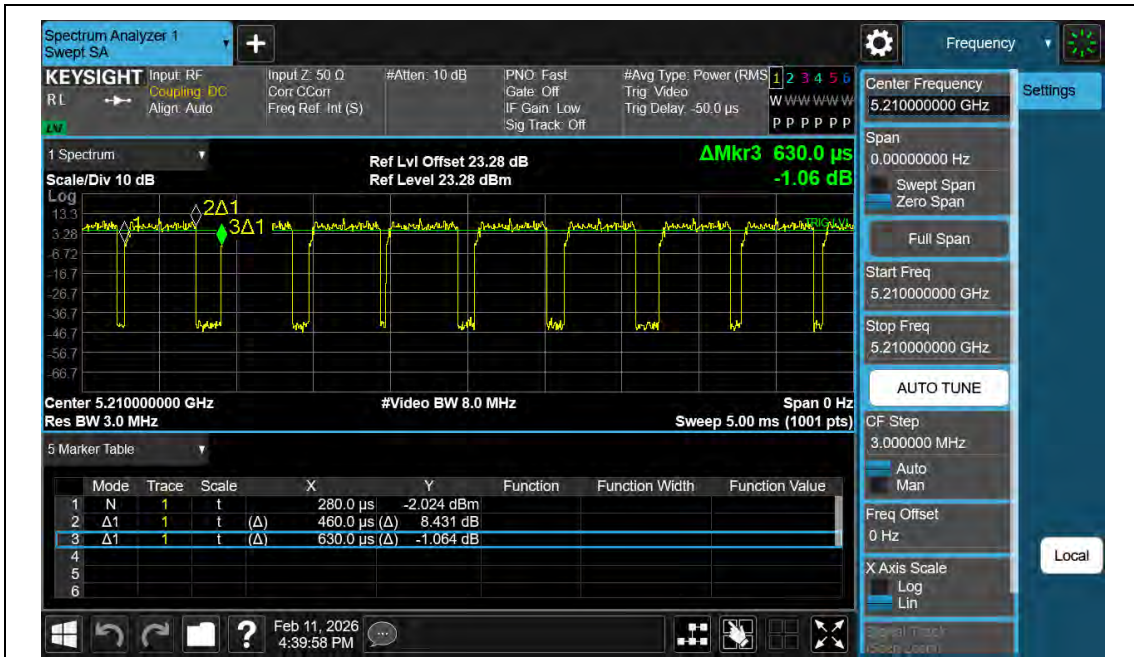
NTNV-11AC40SISO-Ant1-5755



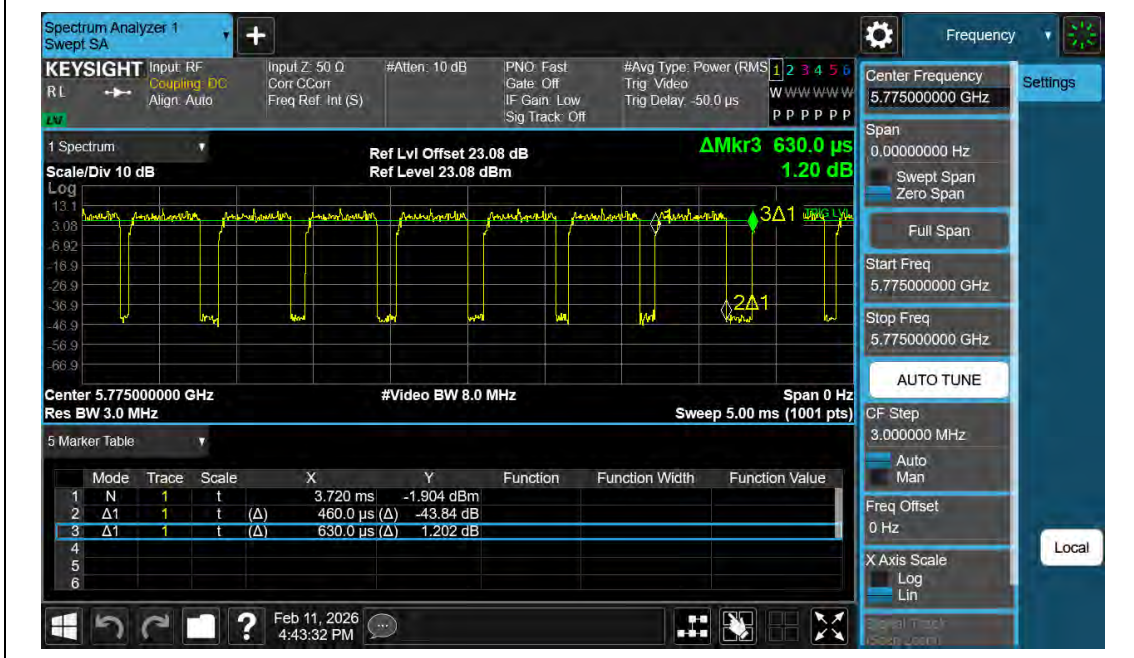
NTNV-11AC40SISO-Ant1-5795



NTNV-11AC80SISO-Ant1-5210



NTNV-11AC80SISO-Ant1-5775



Appendix C: Maximum conducted output power

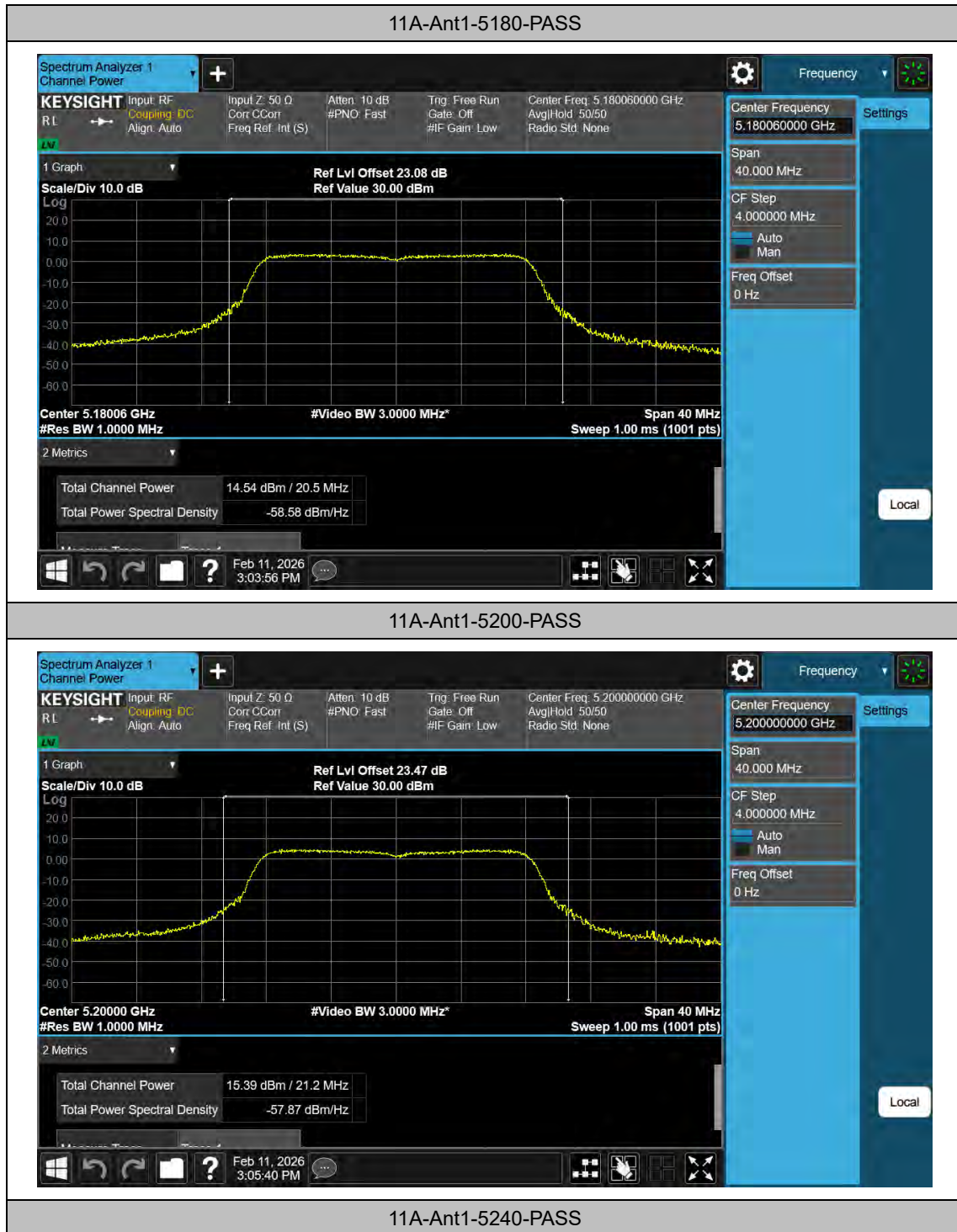
Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	14.42	97.17	0.12	14.54	≤23.98	PASS
11A	Ant1	5200	15.20	95.81	0.19	15.39	≤23.98	PASS
11A	Ant1	5240	15.27	94.50	0.25	15.52	≤23.98	PASS
11A	Ant1	5745	15.88	96.28	0.16	16.04	≤30.00	PASS
11A	Ant1	5785	15.54	97.64	0.10	15.64	≤30.00	PASS
11A	Ant1	5825	15.29	92.41	0.34	15.63	≤30.00	PASS
11N20SI SO	Ant1	5180	14.01	96.00	0.18	14.19	≤23.98	PASS
11N20SI SO	Ant1	5200	15.14	91.87	0.37	15.51	≤23.98	PASS
11N20SI SO	Ant1	5240	14.97	95.05	0.22	15.19	≤23.98	PASS
11N20SI SO	Ant1	5745	15.77	96.00	0.18	15.95	≤30.00	PASS
11N20SI SO	Ant1	5785	15.47	93.66	0.28	15.75	≤30.00	PASS
11N20SI SO	Ant1	5825	15.31	93.66	0.28	15.59	≤30.00	PASS
11N40SI SO	Ant1	5190	14.51	92.23	0.35	14.86	≤23.98	PASS
11N40SI SO	Ant1	5230	15.10	86.24	0.64	15.74	≤23.98	PASS
11N40SI SO	Ant1	5755	15.76	89.62	0.48	16.24	≤30.00	PASS
11N40SI SO	Ant1	5795	15.27	87.04	0.60	15.87	≤30.00	PASS
11AC20S ISO	Ant1	5180	14.55	93.69	0.28	14.83	≤23.98	PASS
11AC20S ISO	Ant1	5200	14.94	92.34	0.35	15.29	≤23.98	PASS
11AC20S ISO	Ant1	5240	14.85	91.47	0.39	15.24	≤23.98	PASS
11AC20S ISO	Ant1	5745	15.76	95.07	0.22	15.98	≤30.00	PASS
11AC20S ISO	Ant1	5785	15.71	94.15	0.26	15.97	≤30.00	PASS
11AC20S	Ant1	5825	15.33	96.04	0.18	15.51	≤30.00	PASS

ISO								
11AC40S ISO	Ant1	5190	14.43	92.31	0.35	14.78	≤23.98	PASS
11AC40S ISO	Ant1	5230	14.96	88.07	0.55	15.51	≤23.98	PASS
11AC40S ISO	Ant1	5755	15.78	84.82	0.72	16.50	≤30.00	PASS
11AC40S ISO	Ant1	5795	15.24	87.16	0.60	15.84	≤30.00	PASS
11AC80S ISO	Ant1	5210	14.42	73.02	1.37	15.79	≤23.98	PASS
11AC80S ISO	Ant1	5775	15.08	73.02	1.37	16.45	≤30.00	PASS

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

Test Graphs Channel Power





11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



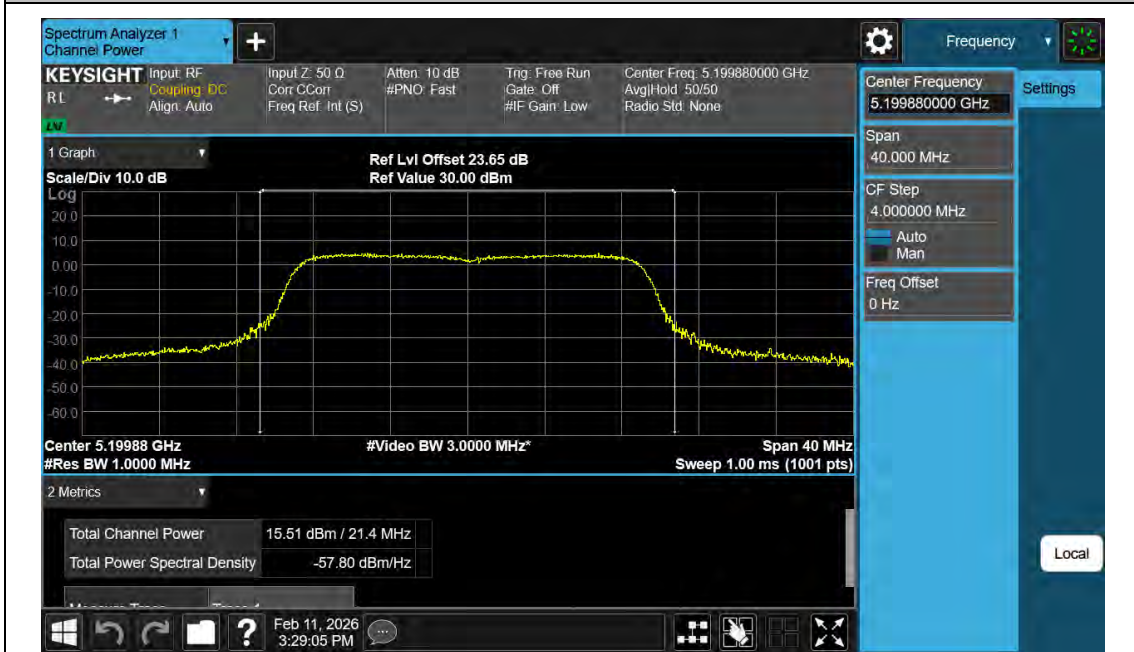
11A-Ant1-5825-PASS



11N20SISO-Ant1-5180-PASS



11N20SISO-Ant1-5200-PASS



11N20SISO-Ant1-5240-PASS



11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5785-PASS



11N20SISO-Ant1-5825-PASS



11N40SISO-Ant1-5190-PASS



11N40SISO-Ant1-5230-PASS



11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS



11AC20SISO-Ant1-5180-PASS



11AC20SISO-Ant1-5200-PASS



11AC20SISO-Ant1-5240-PASS



11AC20SISO-Ant1-5745-PASS



11AC20SISO-Ant1-5785-PASS



11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5190-PASS



11AC40SISO-Ant1-5230-PASS



11AC40SISO-Ant1-5755-PASS



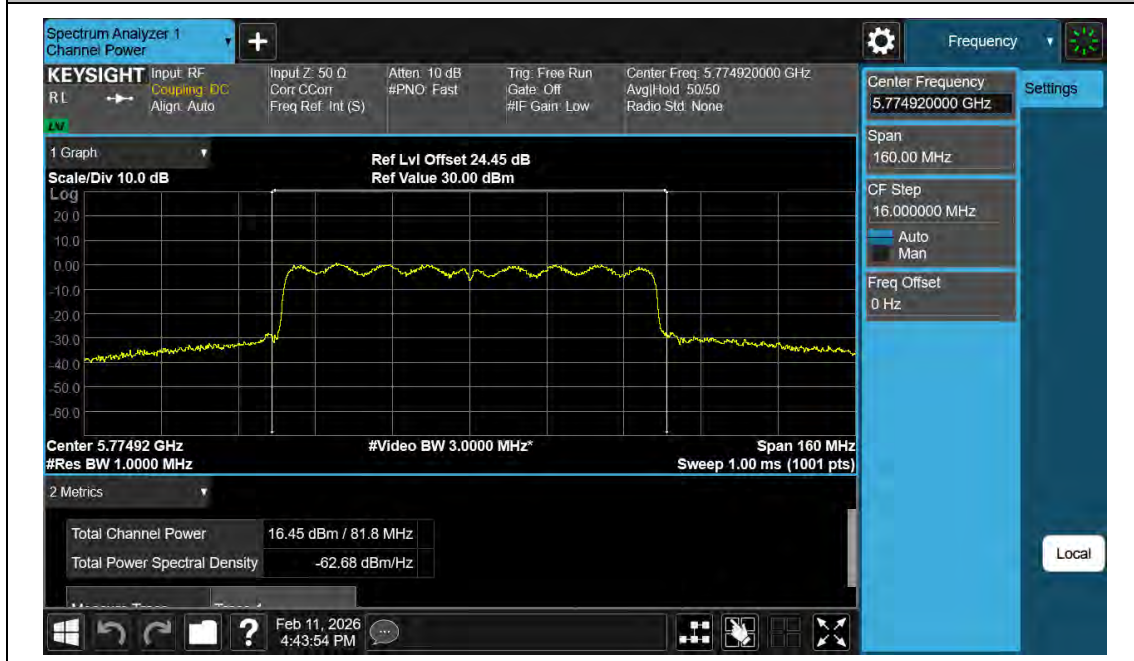
11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5210-PASS



11AC80SISO-Ant1-5775-PASS



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	3.30	≤11.00	PASS
11A	Ant1	5200	3.82	≤11.00	PASS
11A	Ant1	5240	4.14	≤11.00	PASS
11A	Ant1	5745	1.42	≤30.00	PASS
11A	Ant1	5785	1.17	≤30.00	PASS
11A	Ant1	5825	1.20	≤30.00	PASS
11N20SISO	Ant1	5180	3.98	≤11.00	PASS
11N20SISO	Ant1	5200	4.76	≤11.00	PASS
11N20SISO	Ant1	5240	4.81	≤11.00	PASS
11N20SISO	Ant1	5745	3.24	≤30.00	PASS
11N20SISO	Ant1	5785	3.00	≤30.00	PASS
11N20SISO	Ant1	5825	2.82	≤30.00	PASS
11N40SISO	Ant1	5190	1.12	≤11.00	PASS
11N40SISO	Ant1	5230	2.29	≤11.00	PASS
11N40SISO	Ant1	5755	0.69	≤30.00	PASS
11N40SISO	Ant1	5795	0.45	≤30.00	PASS
11AC20SISO	Ant1	5180	4.40	≤11.00	PASS
11AC20SISO	Ant1	5200	4.93	≤11.00	PASS
11AC20SISO	Ant1	5240	5.15	≤11.00	PASS
11AC20SISO	Ant1	5745	3.76	≤30.00	PASS
11AC20SISO	Ant1	5785	3.05	≤30.00	PASS
11AC20SISO	Ant1	5825	3.26	≤30.00	PASS
11AC40SISO	Ant1	5190	1.70	≤11.00	PASS
11AC40SISO	Ant1	5230	2.47	≤11.00	PASS
11AC40SISO	Ant1	5755	0.81	≤30.00	PASS
11AC40SISO	Ant1	5795	0.44	≤30.00	PASS
11AC80SISO	Ant1	5210	1.18	≤11.00	PASS
11AC80SISO	Ant1	5775	-0.53	≤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.

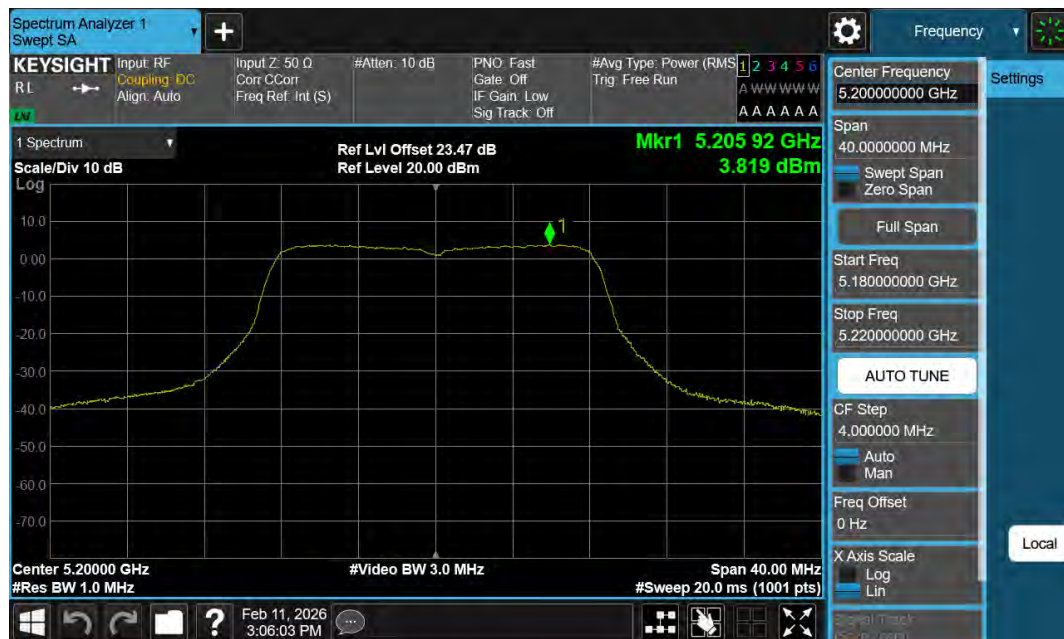


Test Graphs

11A-Ant1-5180-PASS



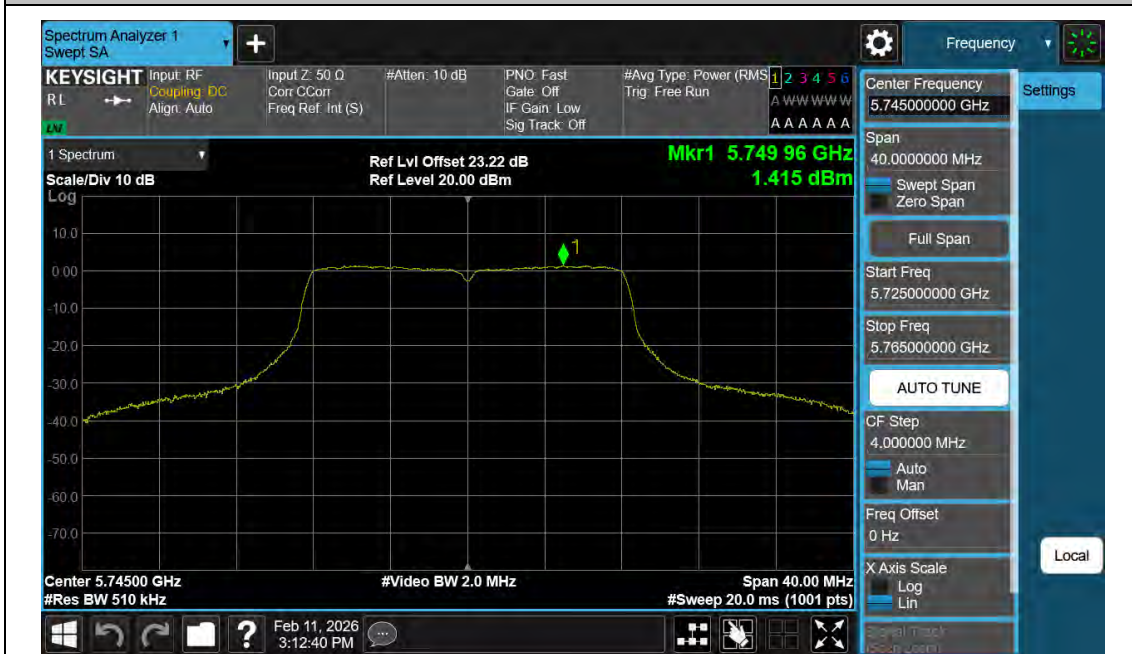
11A-Ant1-5200-PASS



11A-Ant1-5240-PASS



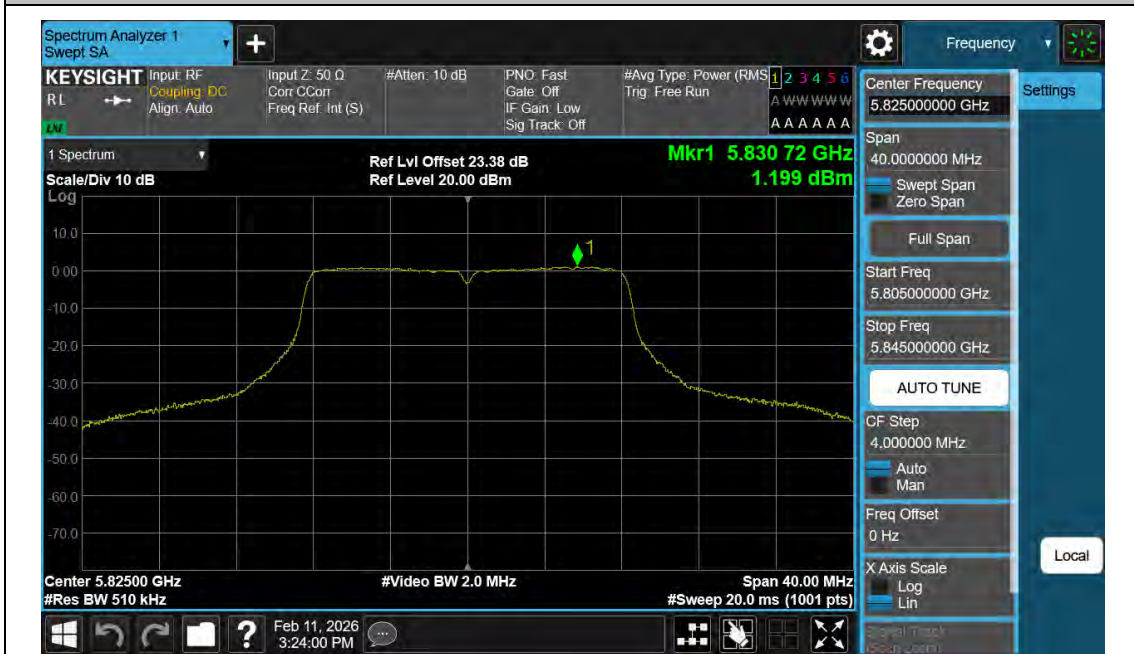
11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



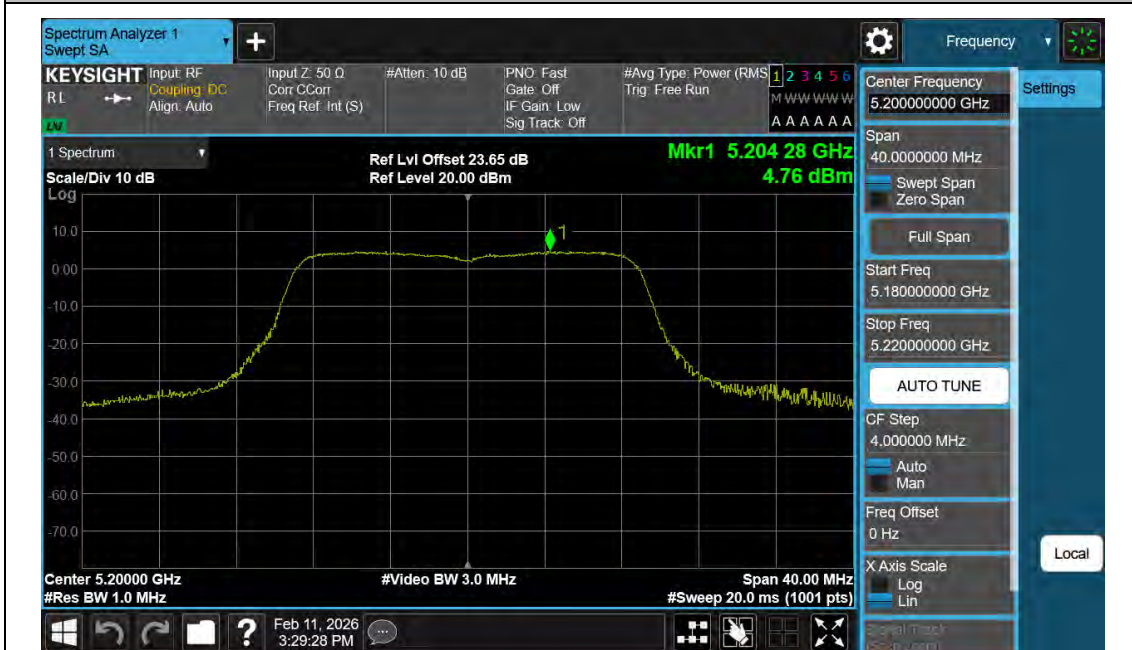
11A-Ant1-5825-PASS



11N20SISO-Ant1-5180-PASS



11N20SISO-Ant1-5200-PASS



11N20SISO-Ant1-5240-PASS



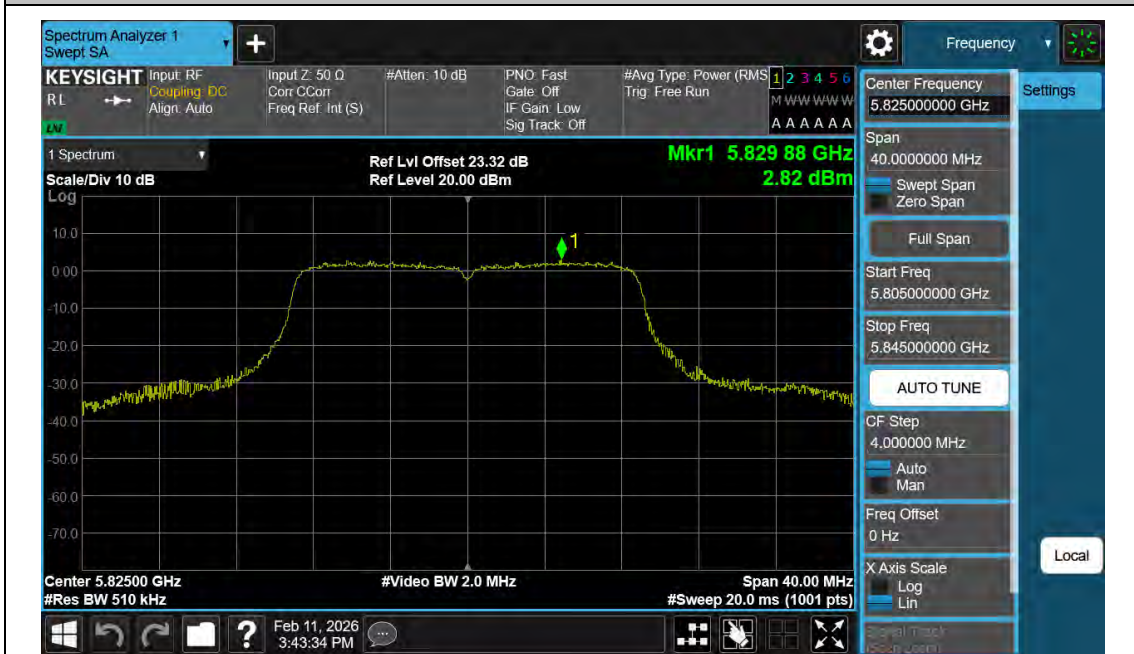
11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5785-PASS



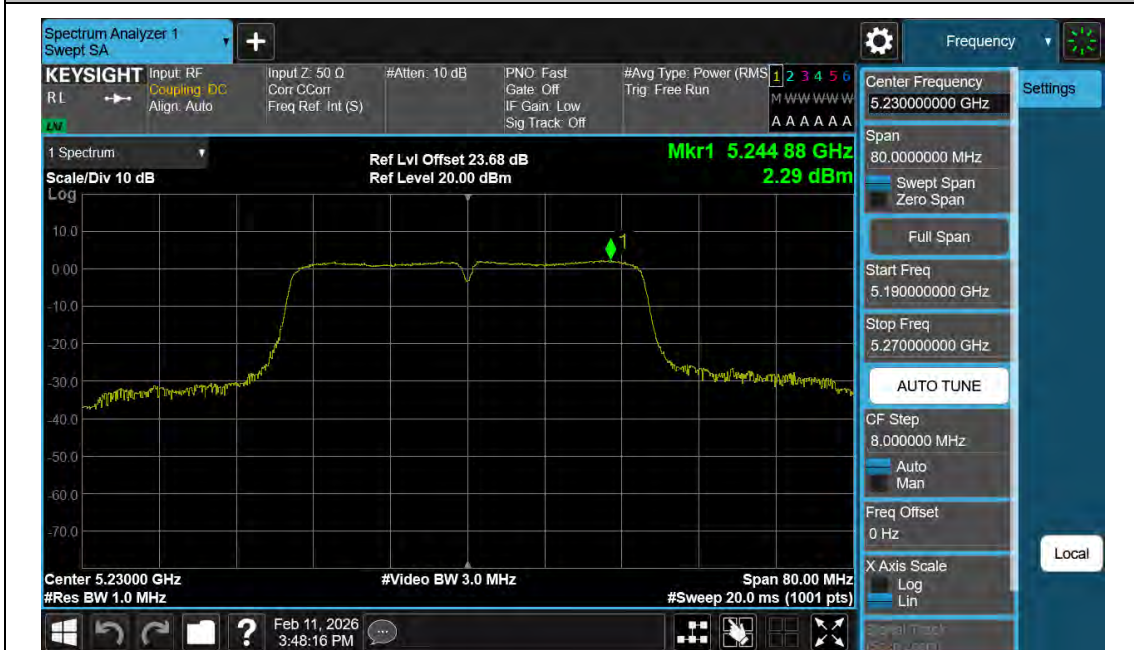
11N20SISO-Ant1-5825-PASS



11N40SISO-Ant1-5190-PASS



11N40SISO-Ant1-5230-PASS



11N40SISO-Ant1-5755-PASS



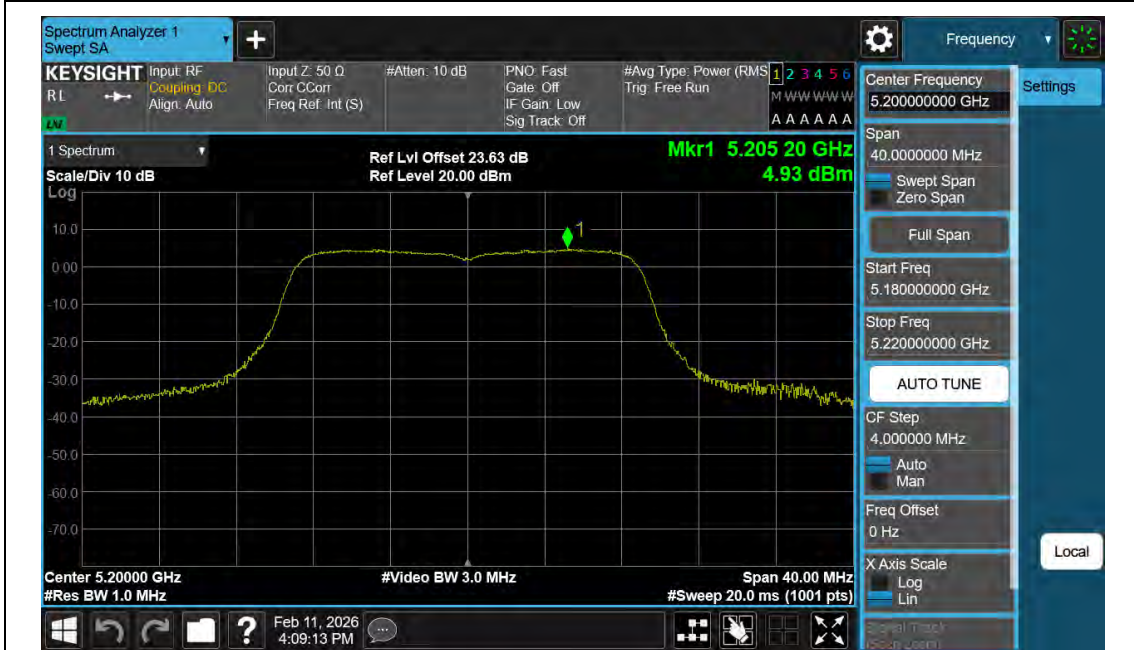
11N40SISO-Ant1-5795-PASS



11AC20SISO-Ant1-5180-PASS



11AC20SISO-Ant1-5200-PASS



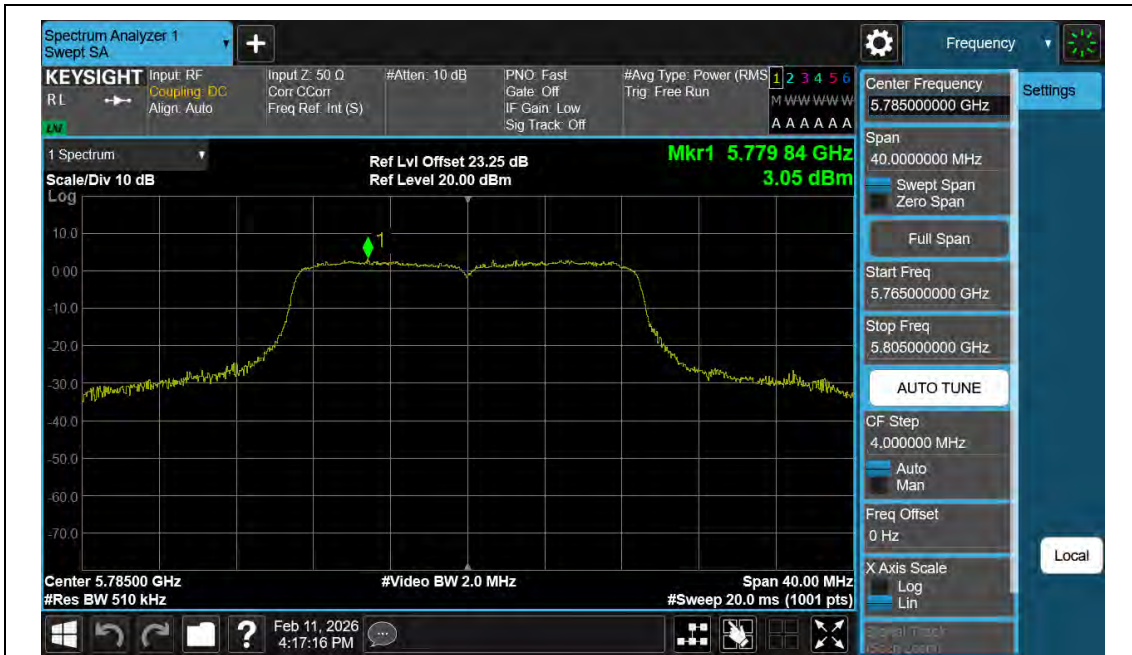
11AC20SISO-Ant1-5240-PASS



11AC20SISO-Ant1-5745-PASS



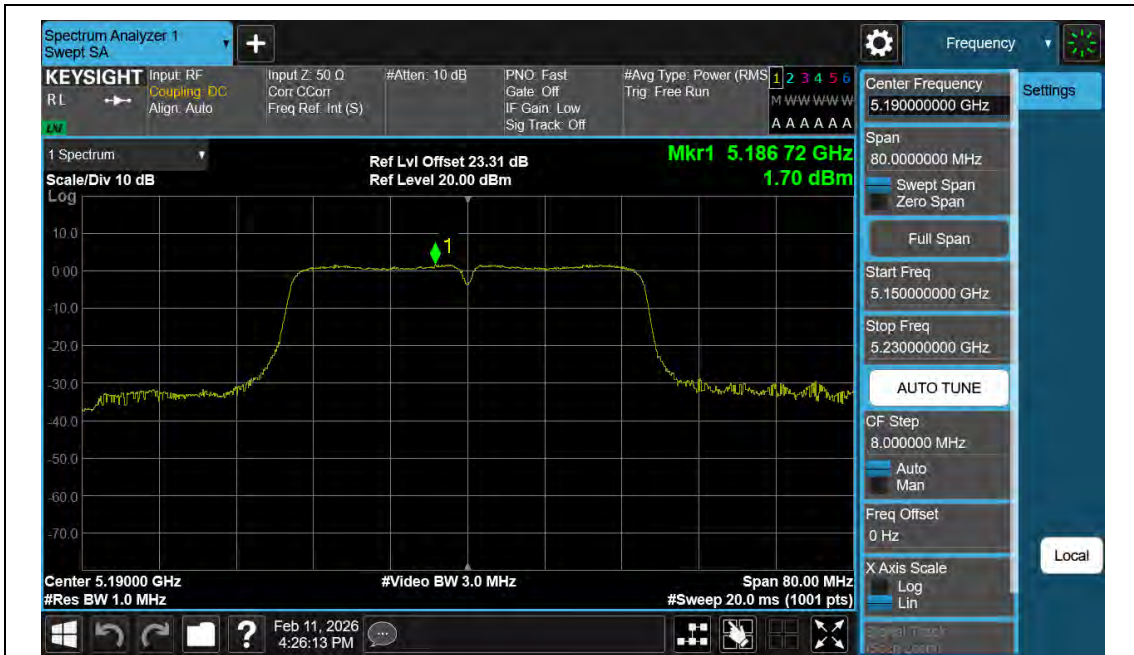
11AC20SISO-Ant1-5785-PASS



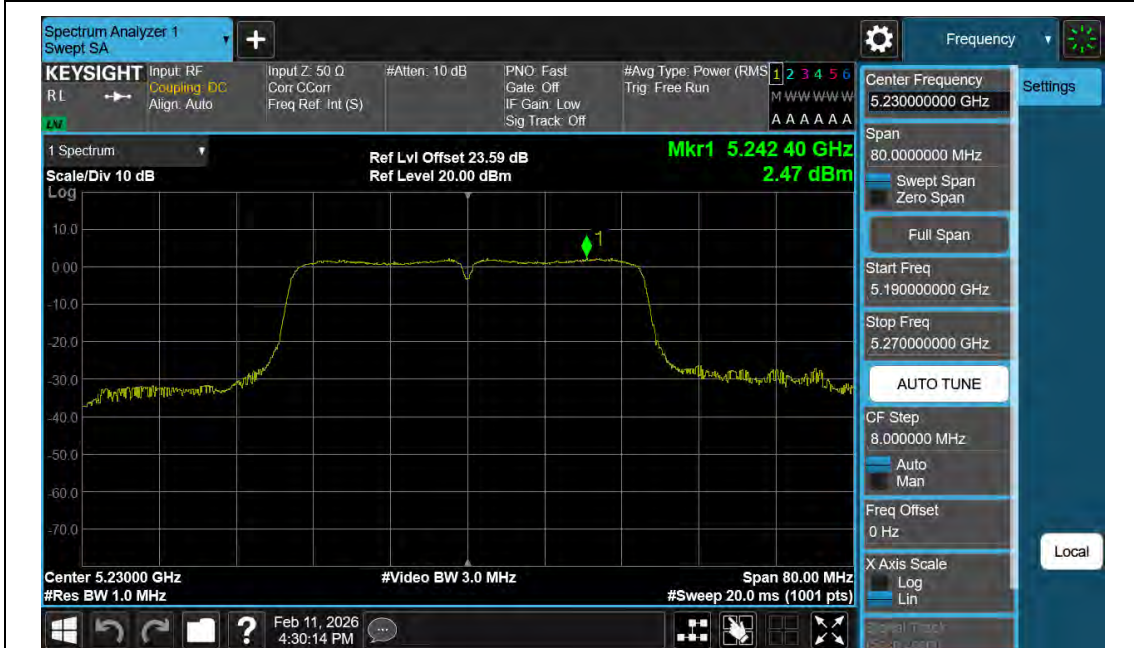
11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5190-PASS



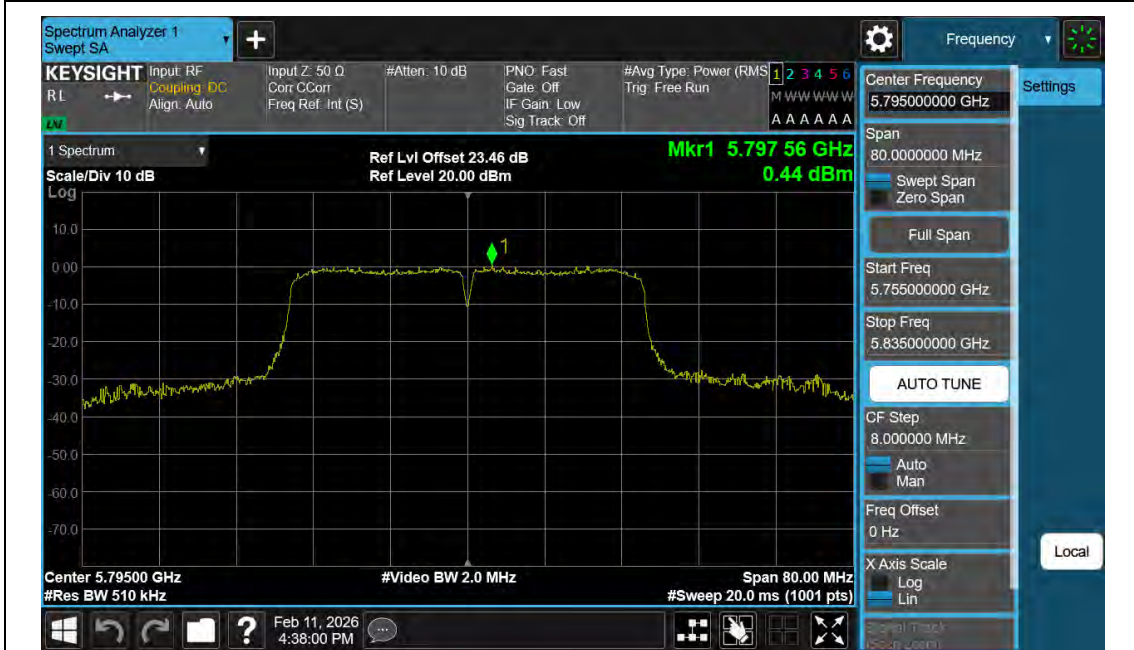
11AC40SISO-Ant1-5230-PASS



11AC40SISO-Ant1-5755-PASS



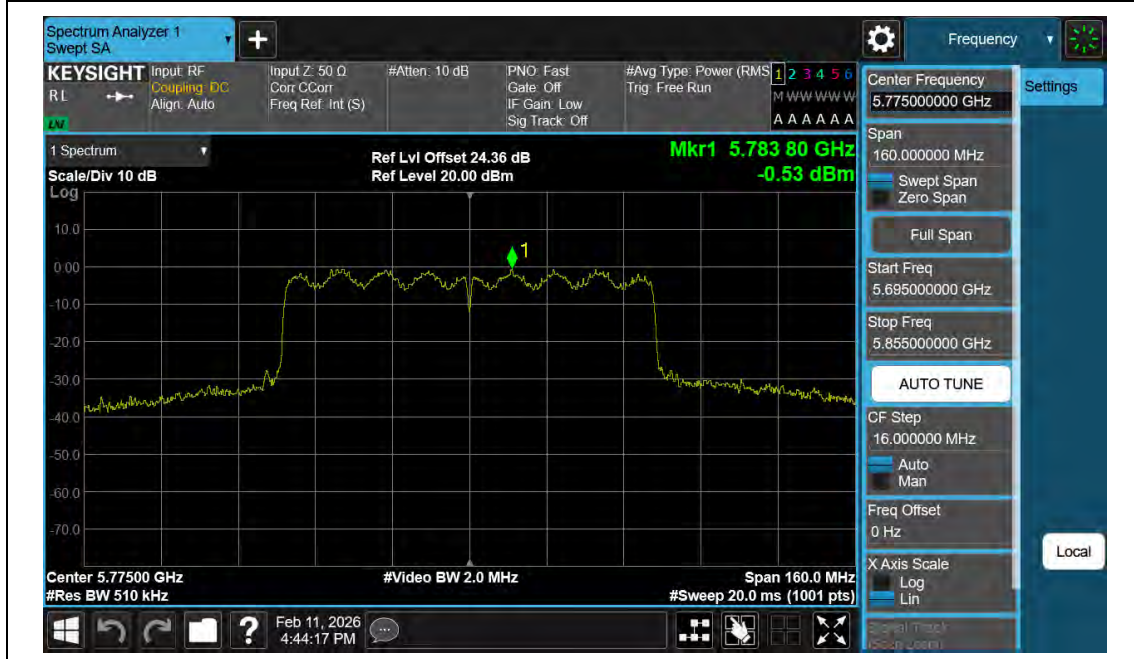
11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5210-PASS



11AC80SISO-Ant1-5775-PASS



Appendix E: Band edge measurements

Test Result B4

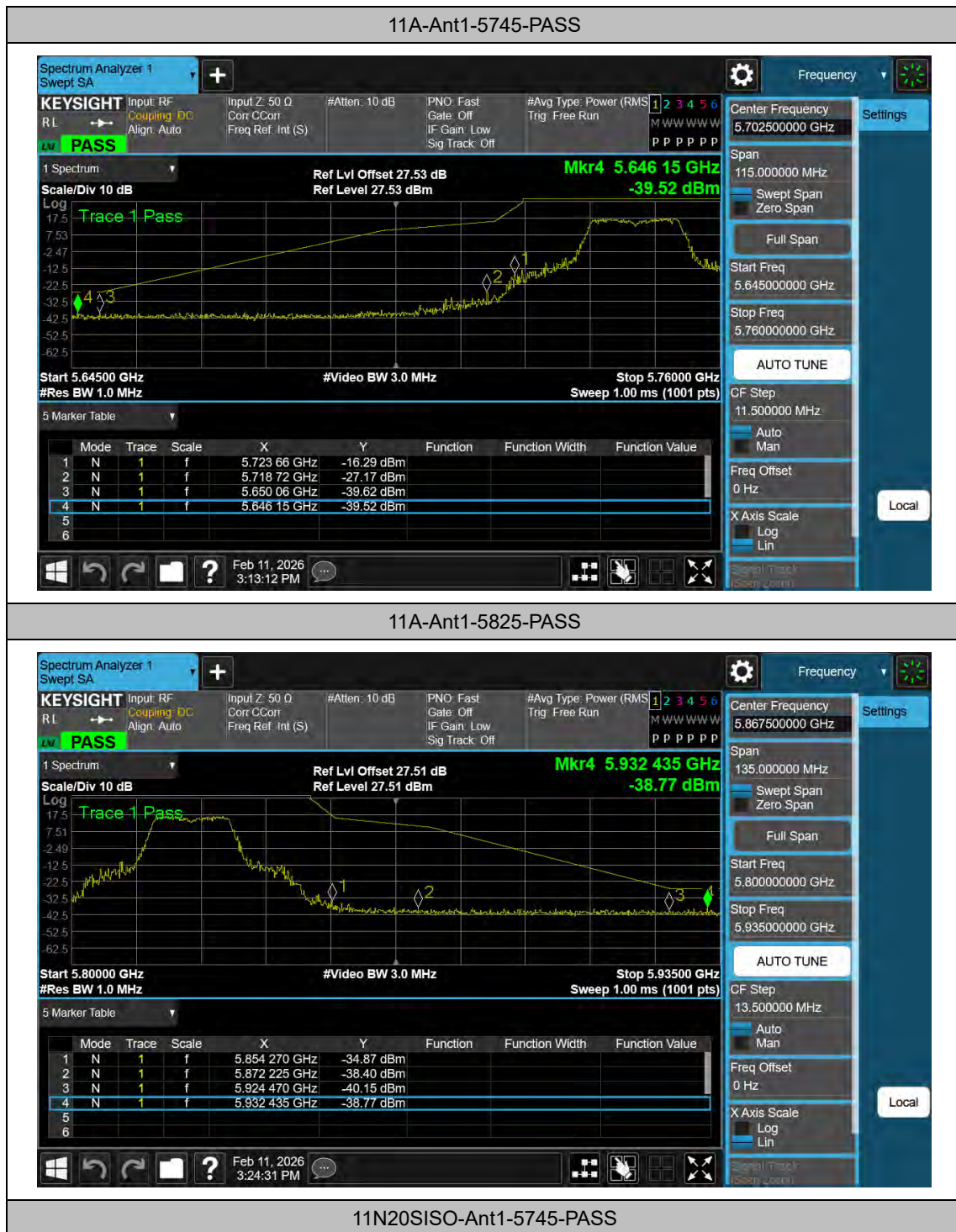
TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-16.29	≤23.94	PASS
11A	Ant1	Low	5745	5700~5720	-27.18	≤15.24	PASS
11A	Ant1	Low	5745	5650~5700	-39.62	≤-26.96	PASS
11A	Ant1	Low	5745	5760~5650	-39.52	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-34.87	≤17.26	PASS
11A	Ant1	High	5825	5855~5875	-38.4	≤10.78	PASS
11A	Ant1	High	5825	5875~5925	-40.15	≤-26.61	PASS
11A	Ant1	High	5825	5925~5935	-38.77	≤-27	PASS
11N20SIS O	Ant1	Low	5745	5720~5725	-24.43	≤16.08	PASS
11N20SIS O	Ant1	Low	5745	5700~5720	-27.61	≤15.27	PASS
11N20SIS O	Ant1	Low	5745	5650~5700	-39.21	≤-25.25	PASS
11N20SIS O	Ant1	Low	5745	5760~5650	-39.96	≤-27	PASS
11N20SIS O	Ant1	High	5825	5850~5855	-31.64	≤17.88	PASS
11N20SIS O	Ant1	High	5825	5855~5875	-38.46	≤10.44	PASS
11N20SIS O	Ant1	High	5825	5875~5925	-39.68	≤-26.41	PASS
11N20SIS O	Ant1	High	5825	5925~5935	-39.36	≤-27	PASS
11N40SIS O	Ant1	Low	5755	5720~5725	-13.68	≤16.35	PASS
11N40SIS O	Ant1	Low	5755	5700~5720	-16.3	≤14.03	PASS
11N40SIS O	Ant1	Low	5755	5650~5700	-40.83	≤-26.60	PASS
11N40SIS O	Ant1	Low	5755	5780~5650	-39.94	≤-27	PASS
11N40SIS O	Ant1	High	5795	5850~5855	-38.34	≤15.66	PASS
11N40SIS O	Ant1	High	5795	5855~5875	-38.26	≤12.23	PASS
11N40SIS O	Ant1	High	5795	5875~5925	-40.68	≤-26.10	PASS

11N40SIS O	Ant1	High	5795	5925~5935	-39.59	≤-27	PASS
11AC20SI SO	Ant1	Low	5745	5720~5725	-18.86	≤18.96	PASS
11AC20SI SO	Ant1	Low	5745	5700~5720	-24.47	≤14.76	PASS
11AC20SI SO	Ant1	Low	5745	5650~5700	-40.37	≤-26.53	PASS
11AC20SI SO	Ant1	Low	5745	5760~5650	-40.03	≤-27	PASS
11AC20SI SO	Ant1	High	5825	5850~5855	-32.47	≤16.03	PASS
11AC20SI SO	Ant1	High	5825	5855~5875	-39.01	≤10.55	PASS
11AC20SI SO	Ant1	High	5825	5875~5925	-40.16	≤-26.91	PASS
11AC20SI SO	Ant1	High	5825	5925~5935	-39.09	≤-27	PASS
11AC40SI SO	Ant1	Low	5755	5720~5725	-15.15	≤17.28	PASS
11AC40SI SO	Ant1	Low	5755	5700~5720	-16.75	≤13.92	PASS
11AC40SI SO	Ant1	Low	5755	5650~5700	-38.87	≤-25.71	PASS
11AC40SI SO	Ant1	Low	5755	5780~5650	-40.47	≤-27	PASS
11AC40SI SO	Ant1	High	5795	5850~5855	-36.82	≤17.16	PASS
11AC40SI SO	Ant1	High	5795	5855~5875	-39.81	≤10.02	PASS
11AC40SI SO	Ant1	High	5795	5875~5925	-40.25	≤-25.85	PASS
11AC40SI SO	Ant1	High	5795	5925~5935	-40.02	≤-27	PASS
11AC80SI SO	Ant1	Low	5775	5720~5725	-17.09	≤17.06	PASS
11AC80SI SO	Ant1	Low	5775	5700~5720	-18.7	≤11.35	PASS
11AC80SI SO	Ant1	Low	5775	5650~5700	-37.31	≤-26.34	PASS
11AC80SI SO	Ant1	Low	5775	5800~5650	-37.32	≤-27	PASS
11AC80SI SO	Ant1	High	5775	5850~5855	-23.17	≤15.84	PASS

11AC80SI SO	Ant1	High	5775	5855~5875	-21.72	≤ 11.33	PASS
11AC80SI SO	Ant1	High	5775	5875~5925	-40.02	≤ -26.87	PASS
11AC80SI SO	Ant1	High	5775	5925~5935	-38.58	≤ -27	PASS



Test Graphs B4





11N20SISO-Ant1-5825-PASS



11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS



11AC20SISO-Ant1-5745-PASS



11AC20SISO-Ant1-5825-PASS



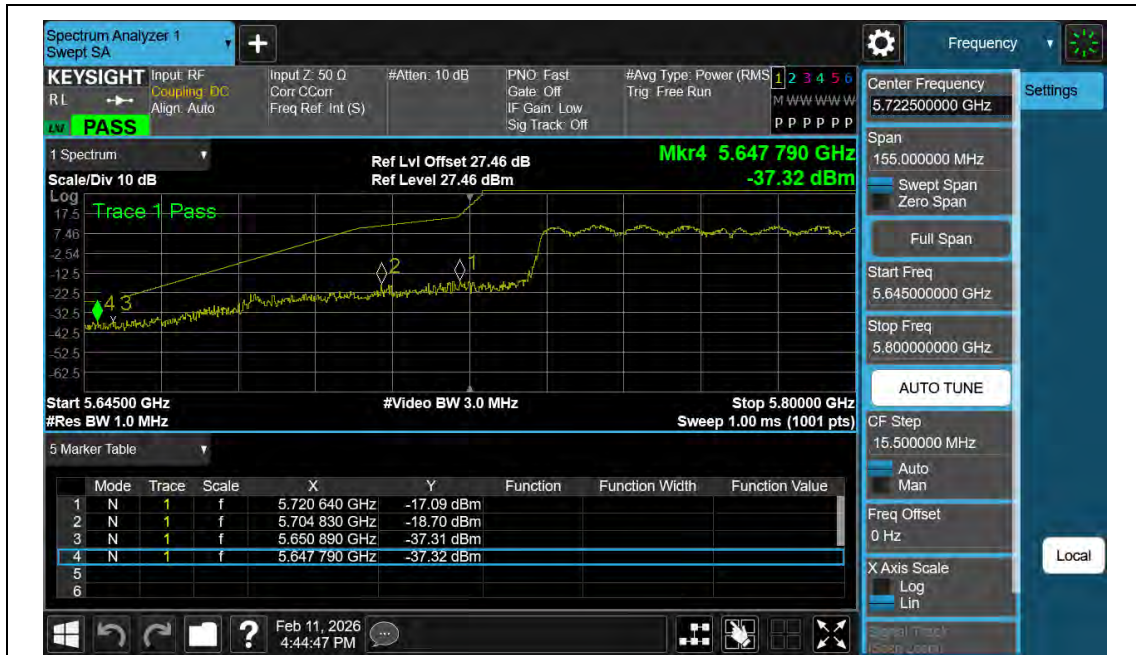
11AC40SISO-Ant1-5755-PASS



11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5775-PASS



11AC80SISO-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	0.00	0.000000	20	PASS
11A	Ant1	5180	LV	NT	0.00	0.000000	20	PASS
11A	Ant1	5180	HV	NT	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	LV	NT	20000.00	3.481288	20	PASS
11A	Ant1	5745	HV	NT	0.00	0.000000	20	PASS

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	-20	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	-10	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	0	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	10	20000.00	3.861004	20	PASS
11A	Ant1	5180	NV	20	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	40	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	50	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	-30	20000.00	3.481288	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	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	10	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	20	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	30	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	40	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	50	0.00	0.000000	20	PASS