

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	16.360	5736.800	5753.160	0.5	PASS
11A	Ant1	5785	16.320	5776.800	5793.120	0.5	PASS
11A	Ant1	5825	16.360	5816.800	5833.160	0.5	PASS
11AX20SISO	Ant1	5745	18.840	5735.600	5754.440	0.5	PASS
11AX20SISO	Ant1	5785	18.960	5775.480	5794.440	0.5	PASS
11AX20SISO	Ant1	5825	18.880	5815.600	5834.480	0.5	PASS

Test Graphs B4

11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



11A-Ant1-5825-PASS



11AX20SISO-Ant1-5745-PASS



11AX20SISO-Ant1-5785-PASS



11AX20SiSO-Ant1-5825-PASS



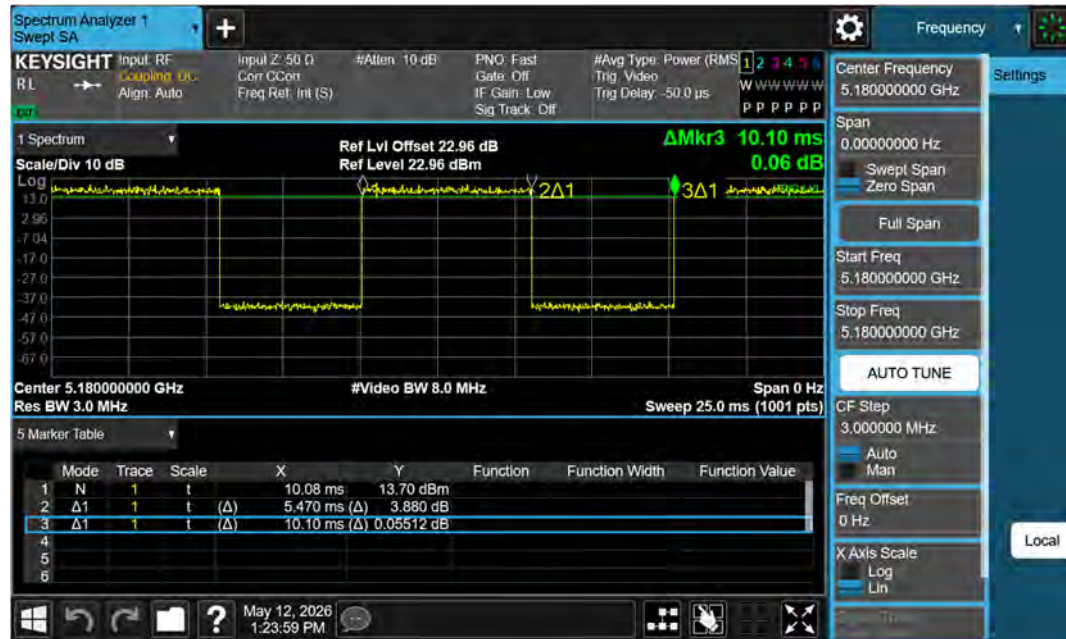
Appendix B: Duty Cycle

Test Result

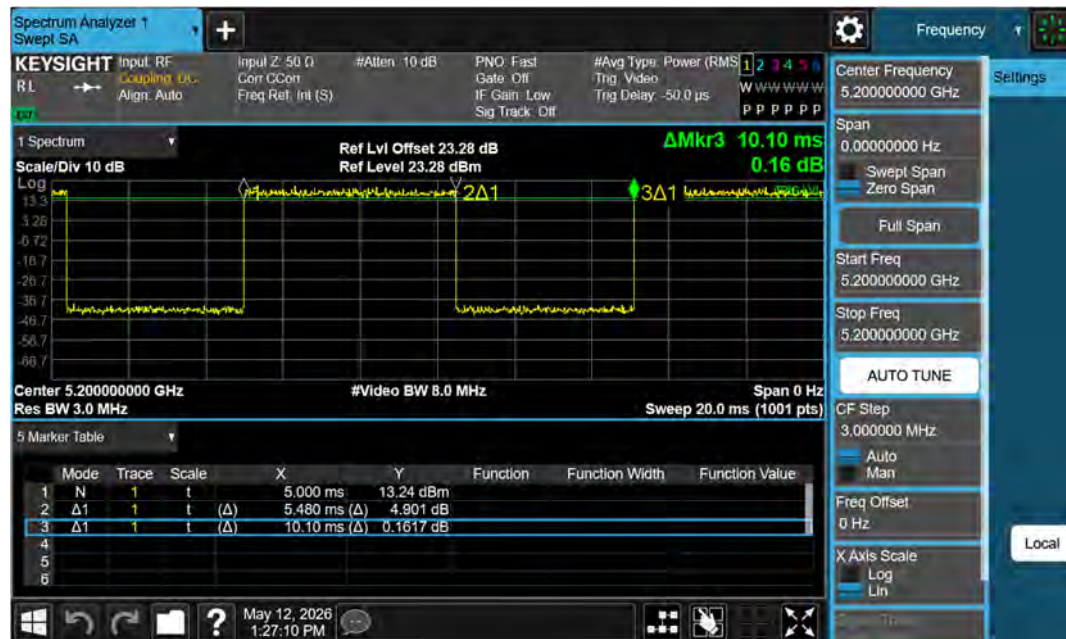
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	5.47	10.10	54.16
11A	Ant1	5200	5.48	10.10	54.26
11A	Ant1	5240	5.48	10.10	54.26
11A	Ant1	5260	5.48	10.10	54.26
11A	Ant1	5300	5.50	10.12	54.35
11A	Ant1	5320	5.50	10.10	54.46
11A	Ant1	5500	5.47	10.10	54.16
11A	Ant1	5580	5.48	10.10	54.26
11A	Ant1	5700	5.50	10.10	54.46
11A	Ant1	5720	5.50	10.10	54.46
11A	Ant1	5745	5.50	10.13	54.29
11A	Ant1	5785	5.48	10.10	54.26
11A	Ant1	5825	5.48	10.10	54.26
11AX20SISO	Ant1	5180	3.88	10.13	38.30
11AX20SISO	Ant1	5200	3.85	10.10	38.12
11AX20SISO	Ant1	5240	3.86	10.10	38.22
11AX20SISO	Ant1	5260	3.88	10.10	38.42
11AX20SISO	Ant1	5300	3.87	10.12	38.24
11AX20SISO	Ant1	5320	3.88	10.10	38.42
11AX20SISO	Ant1	5500	3.86	10.10	38.22
11AX20SISO	Ant1	5580	3.88	10.13	38.30
11AX20SISO	Ant1	5700	3.88	10.13	38.30
11AX20SISO	Ant1	5720	3.86	10.10	38.22
11AX20SISO	Ant1	5745	3.86	10.12	38.14
11AX20SISO	Ant1	5785	3.86	10.10	38.22
11AX20SISO	Ant1	5825	3.88	10.10	38.42

Test Graphs

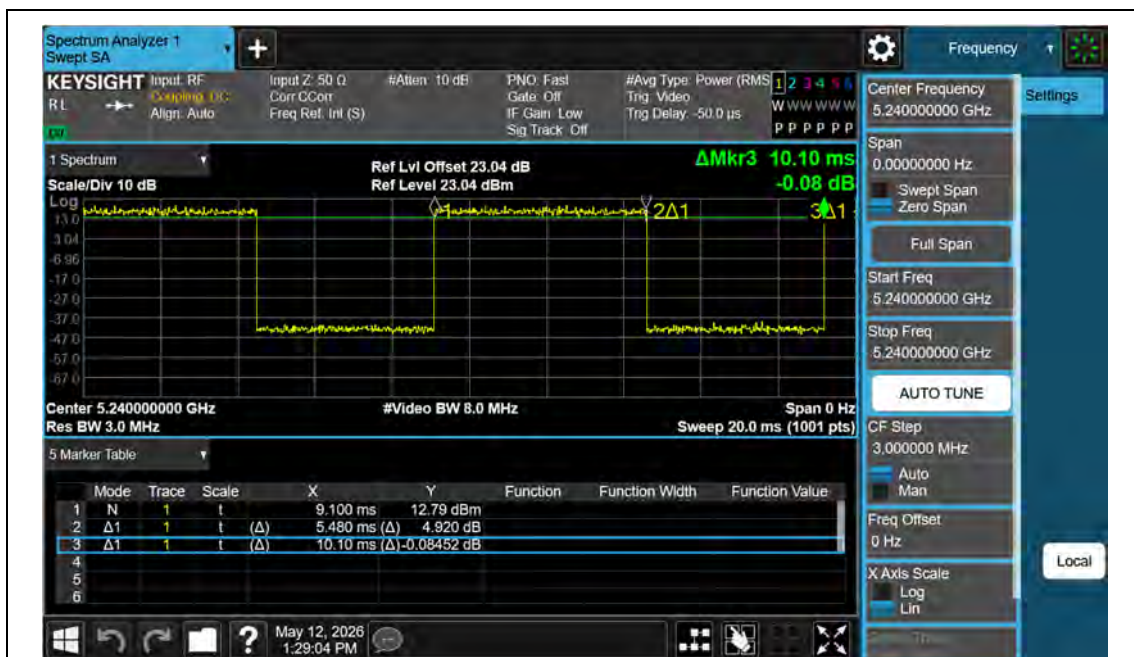
NTNV-11A-Ant1-5180



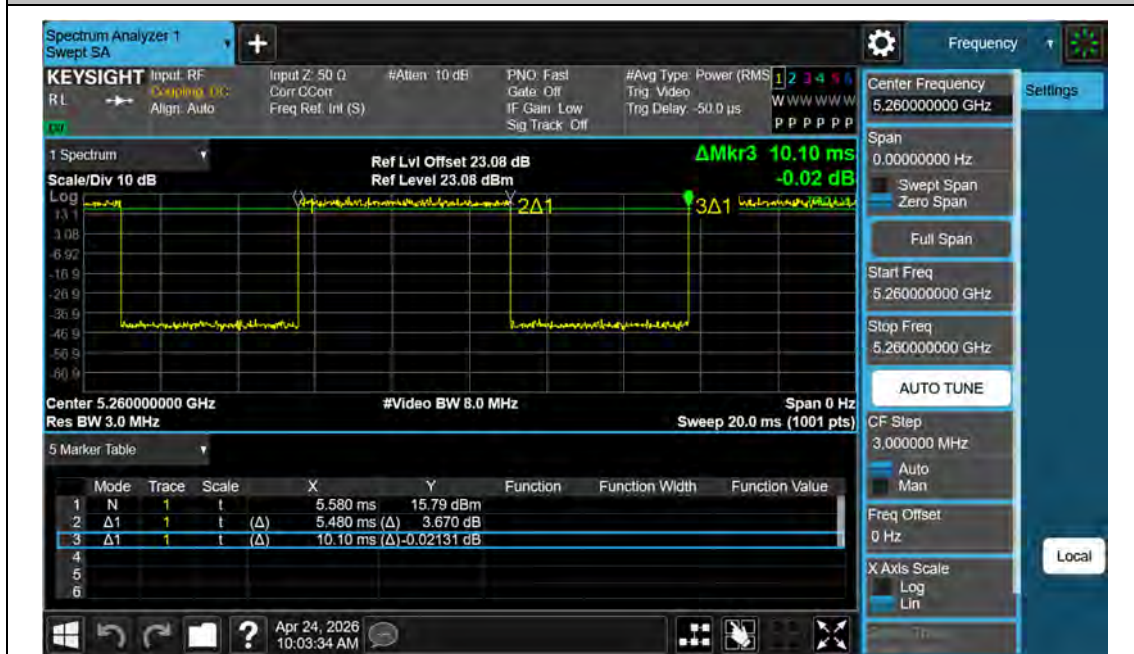
NTNV-11A-Ant1-5200



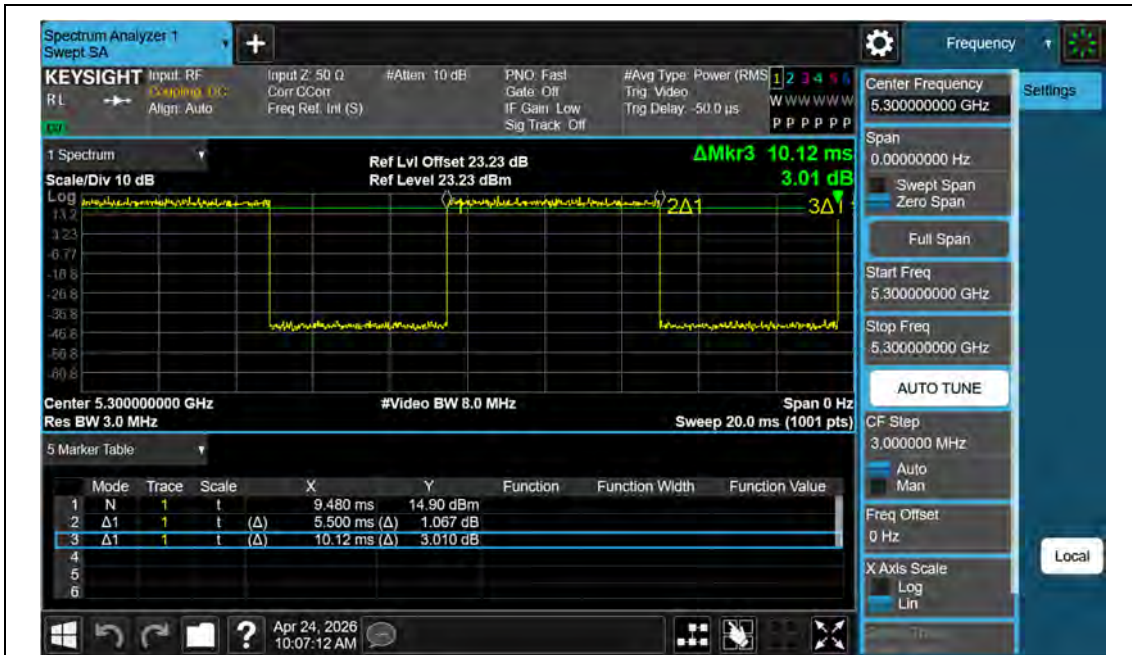
NTNV-11A-Ant1-5240



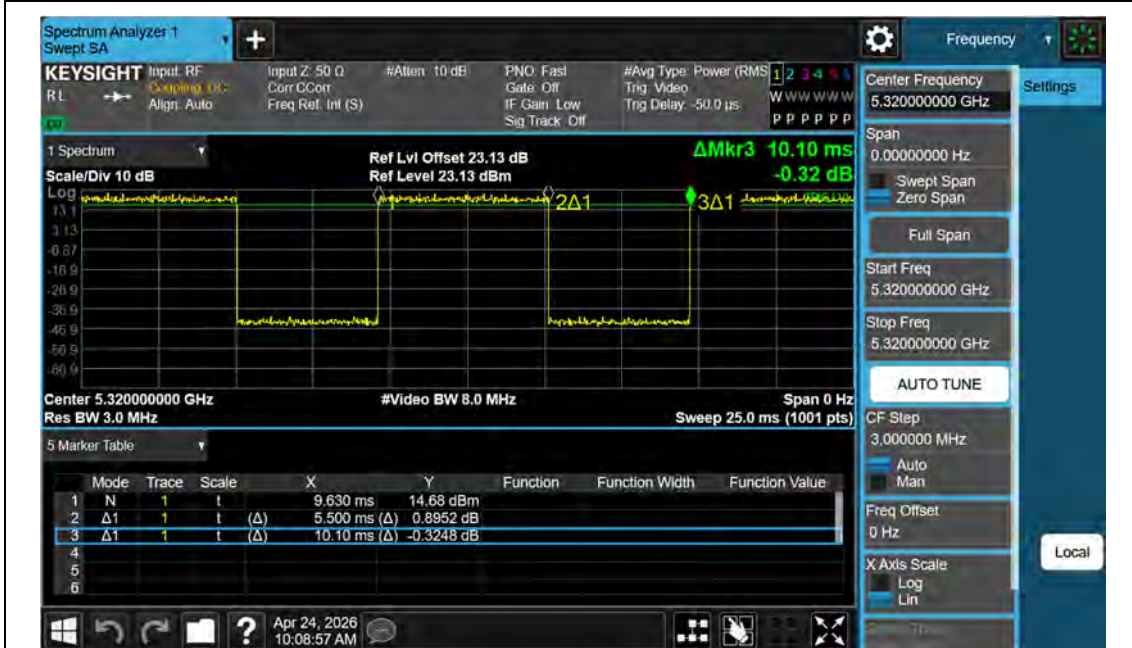
NTNV-11A-Ant1-5260



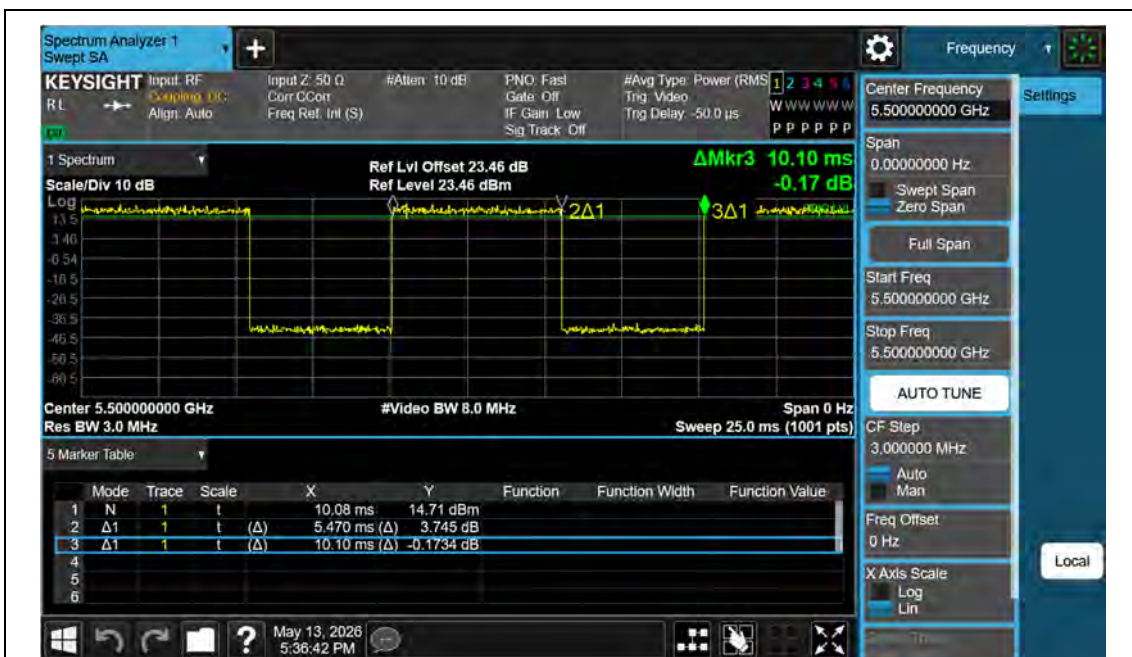
NTNV-11A-Ant1-5300



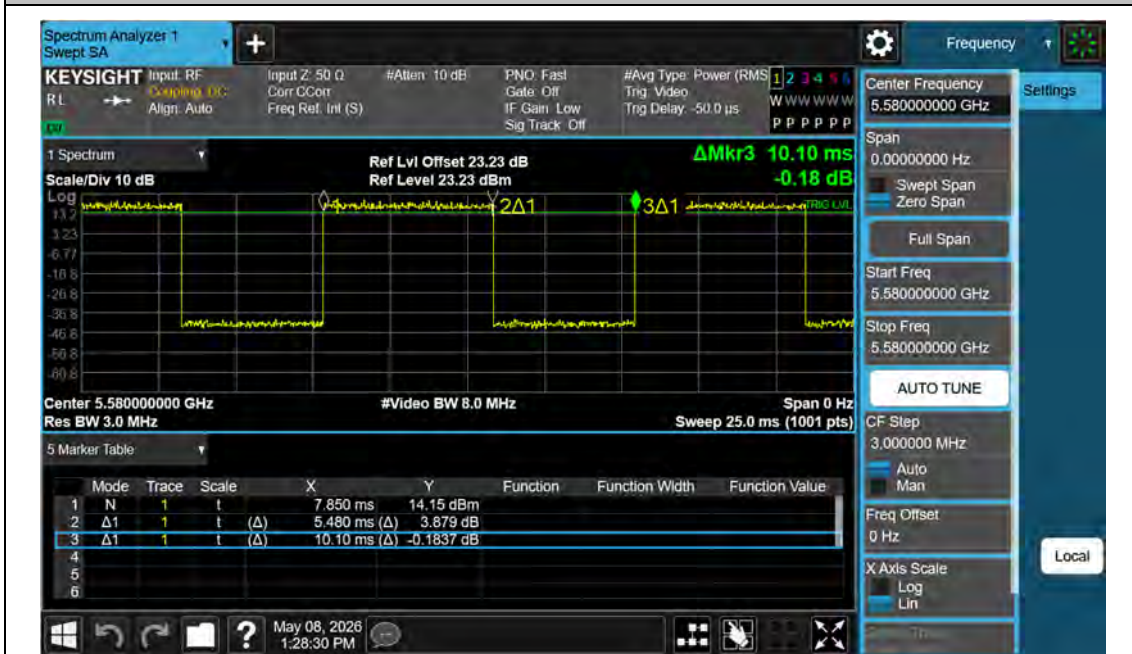
NTNV-11A-Ant1-5320



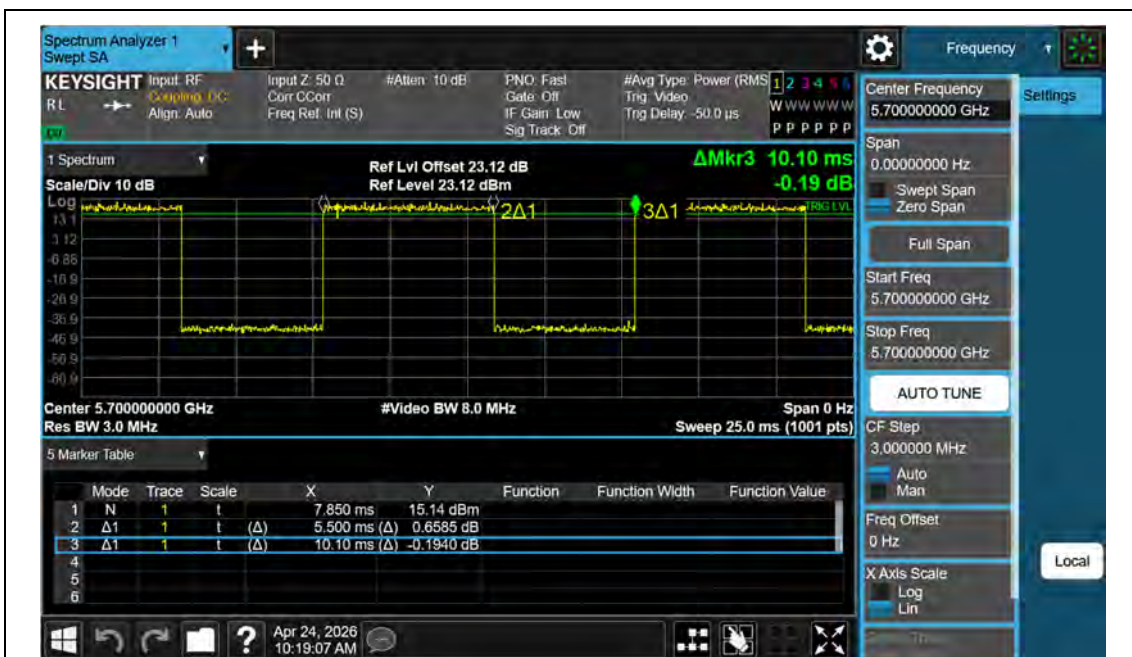
NTNV-11A-Ant1-5500



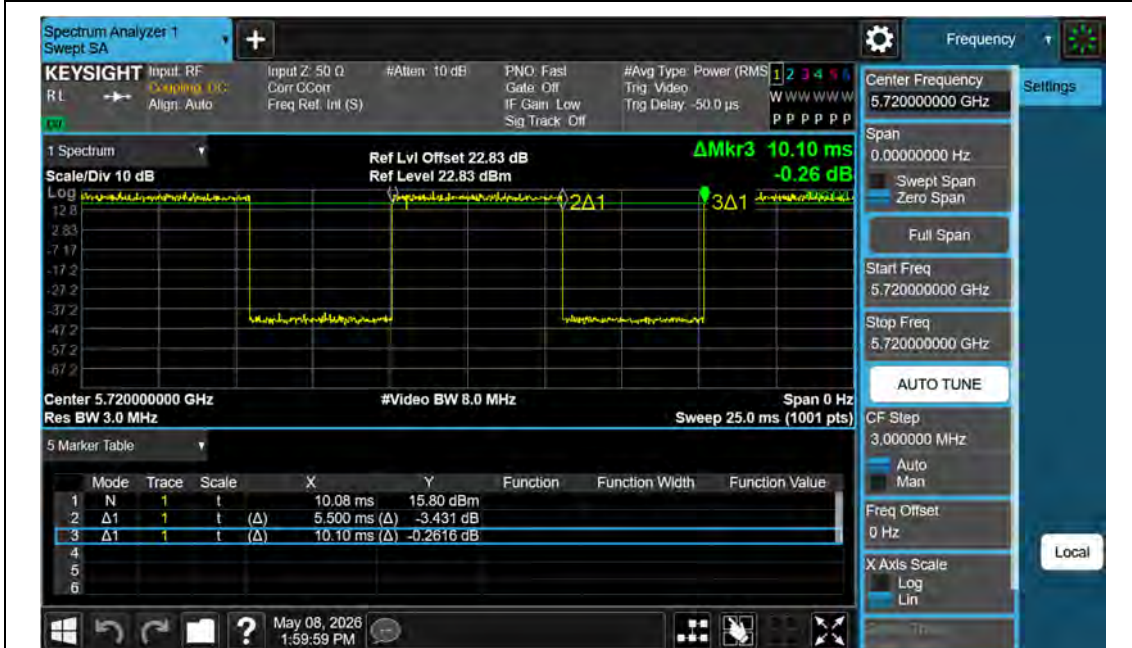
NTNV-11A-Ant1-5580



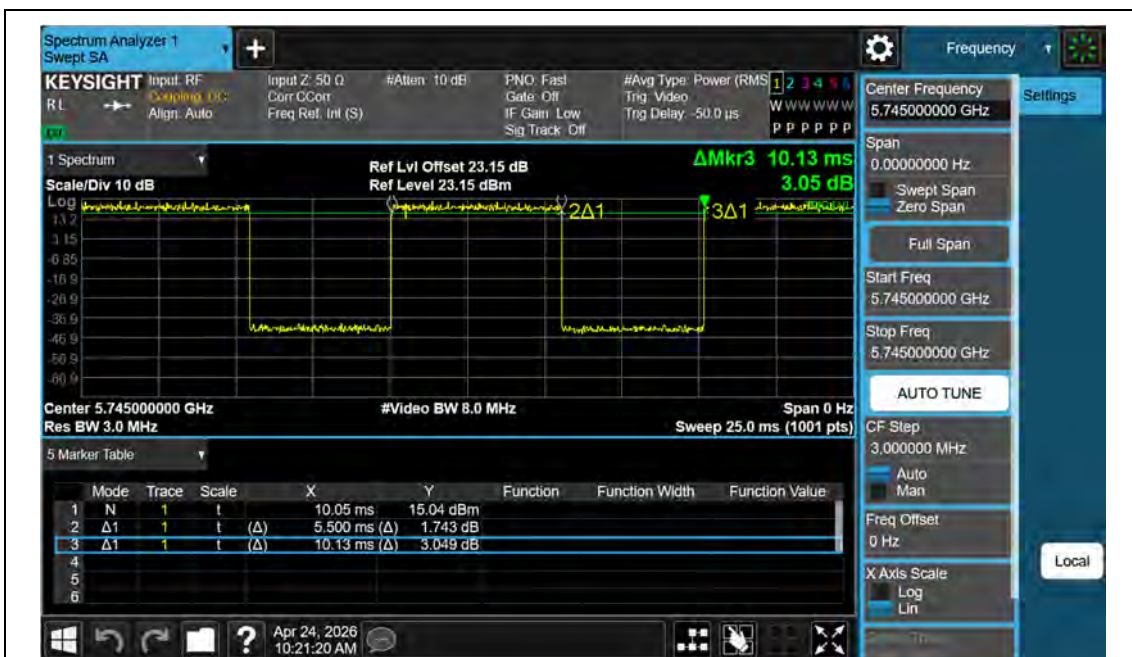
NTNV-11A-Ant1-5700



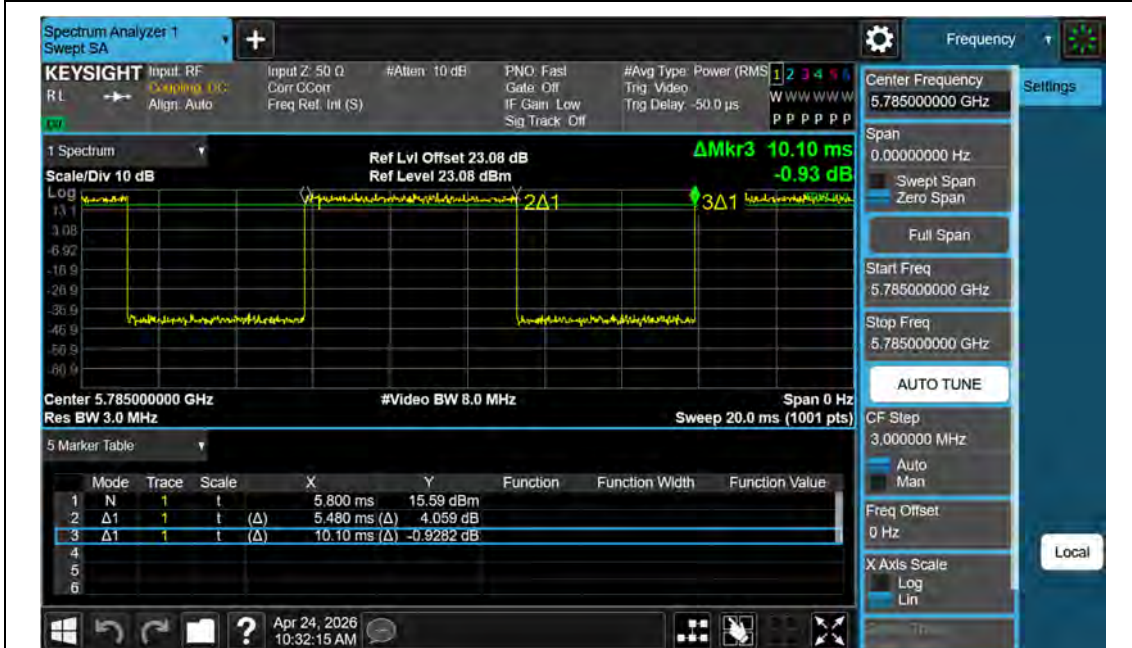
NTNV-11A-Ant1-5720



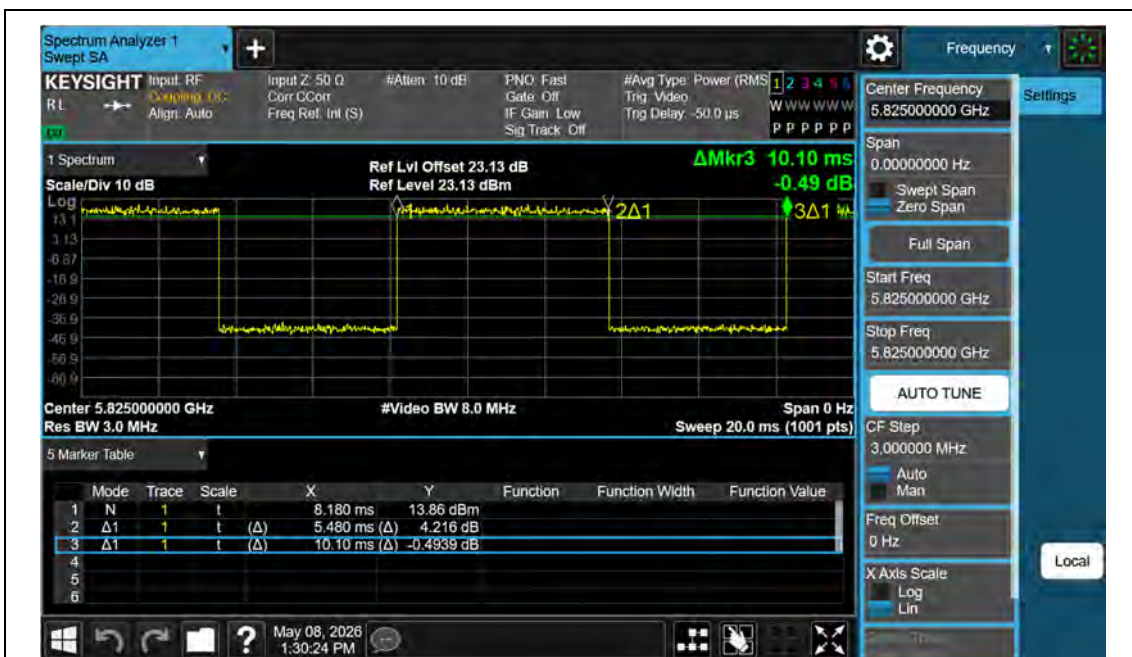
NTNV-11A-Ant1-5745



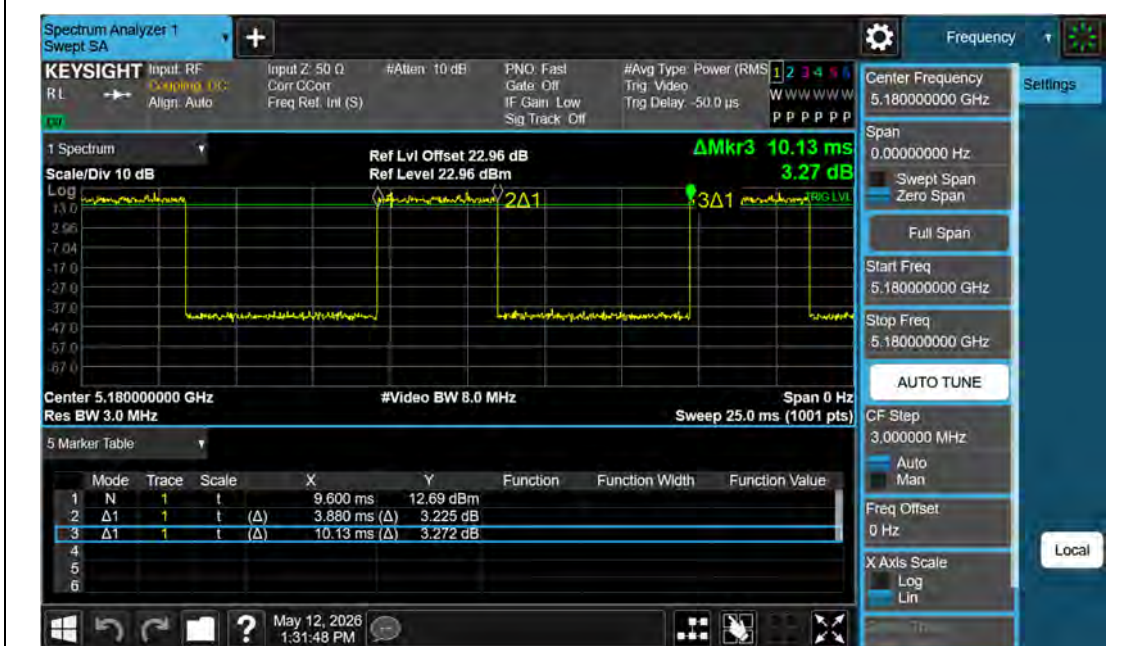
NTNV-11A-Ant1-5785



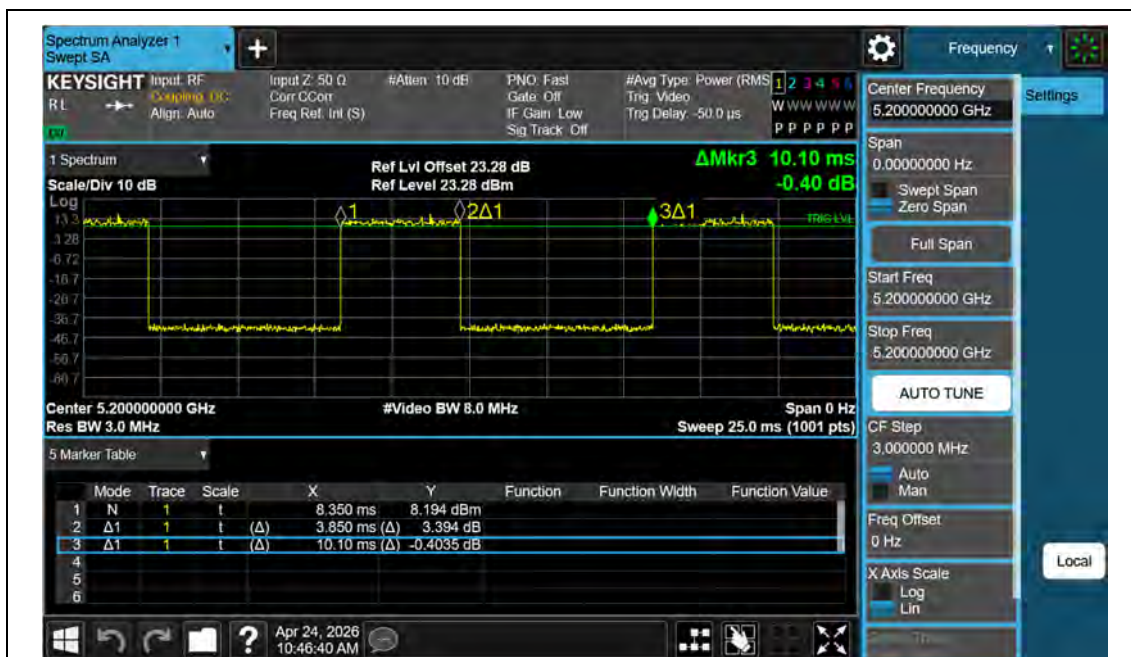
NTNV-11A-Ant1-5825



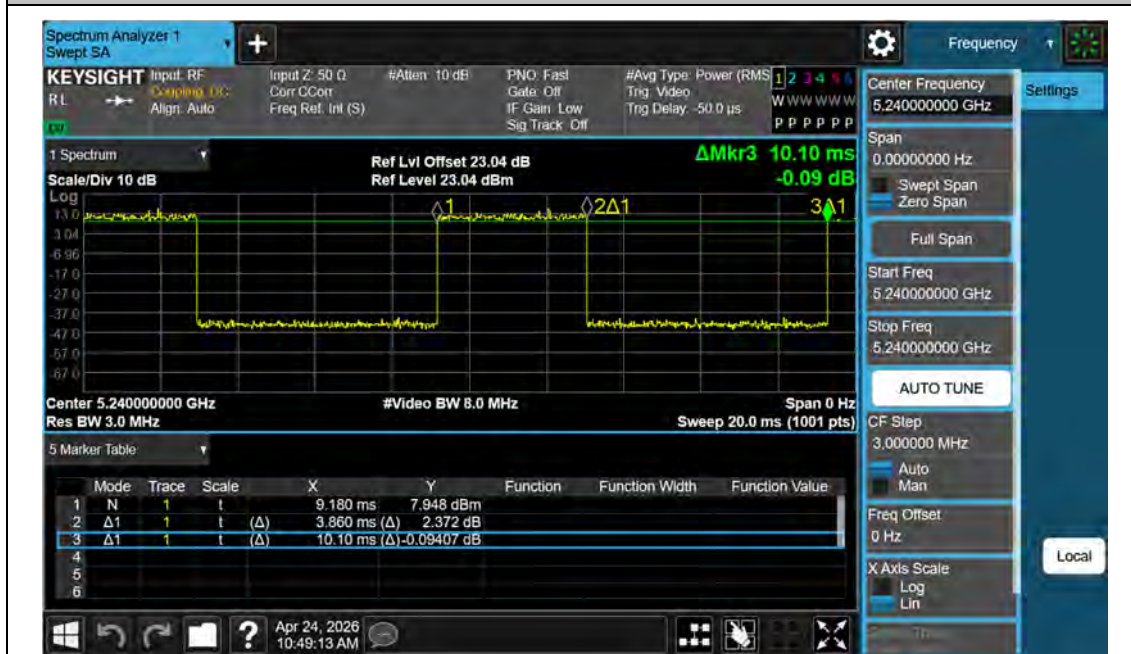
NTNV-11AX20SISO-Ant1-5180



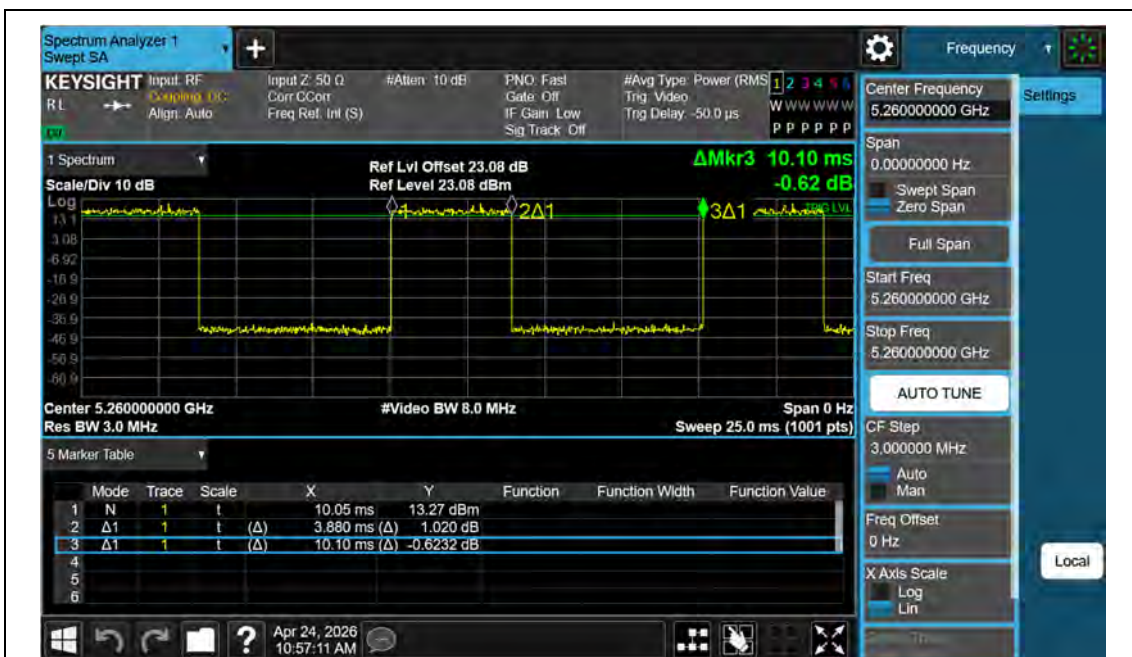
NTNV-11AX20SISO-Ant1-5200



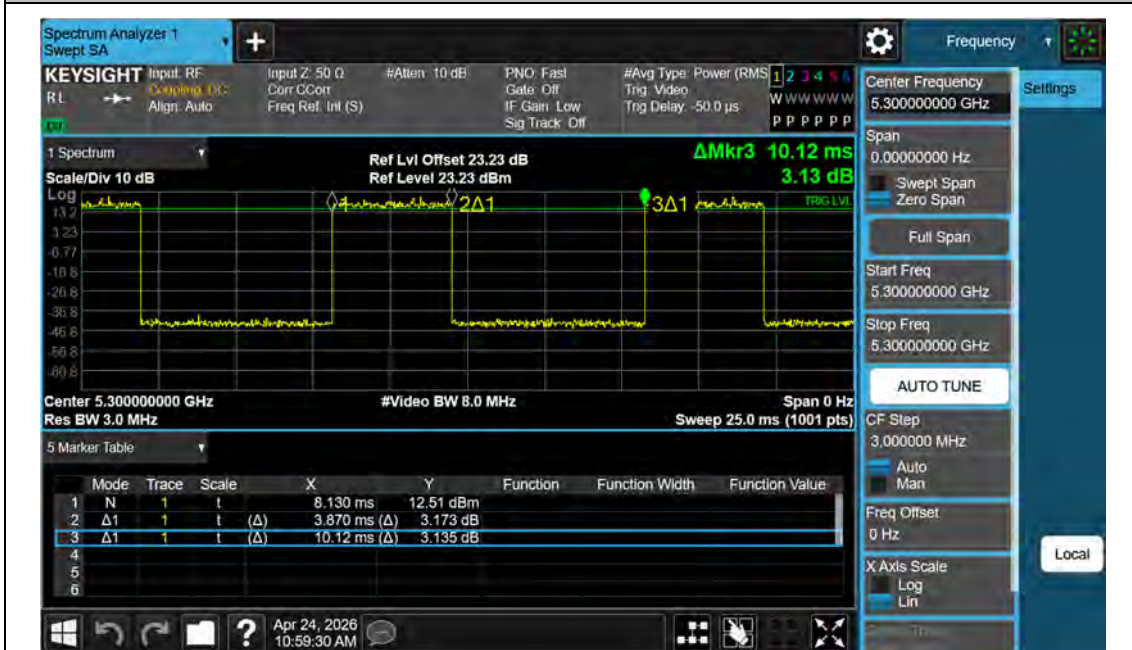
NTNV-11AX20SISO-Ant1-5240



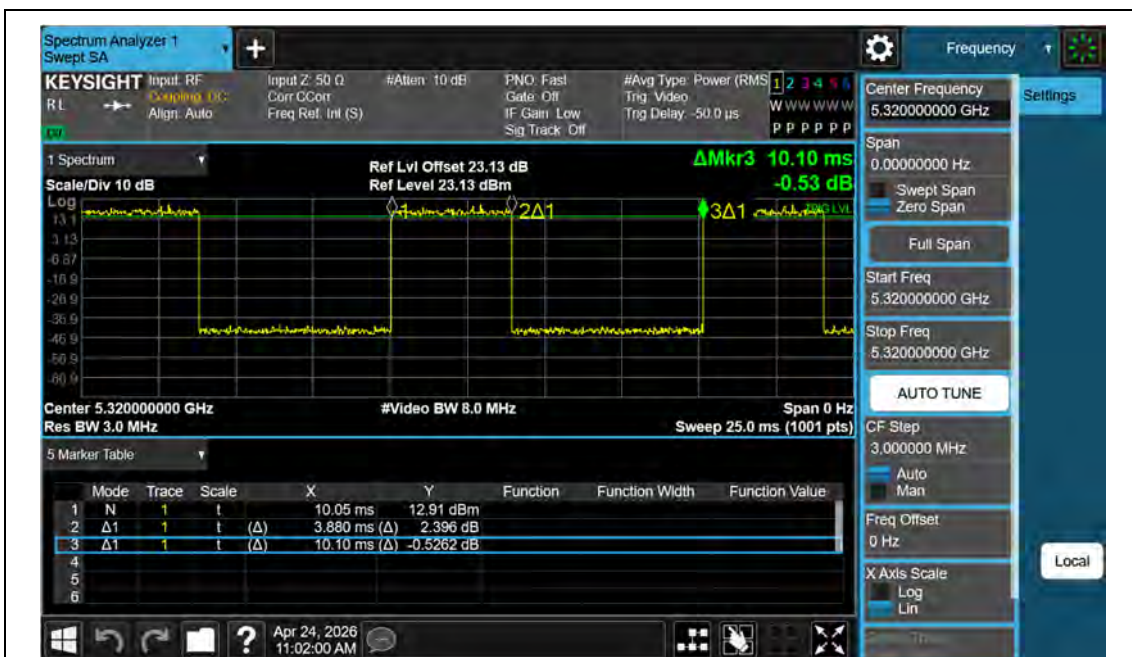
NTNV-11AX20SISO-Ant1-5260



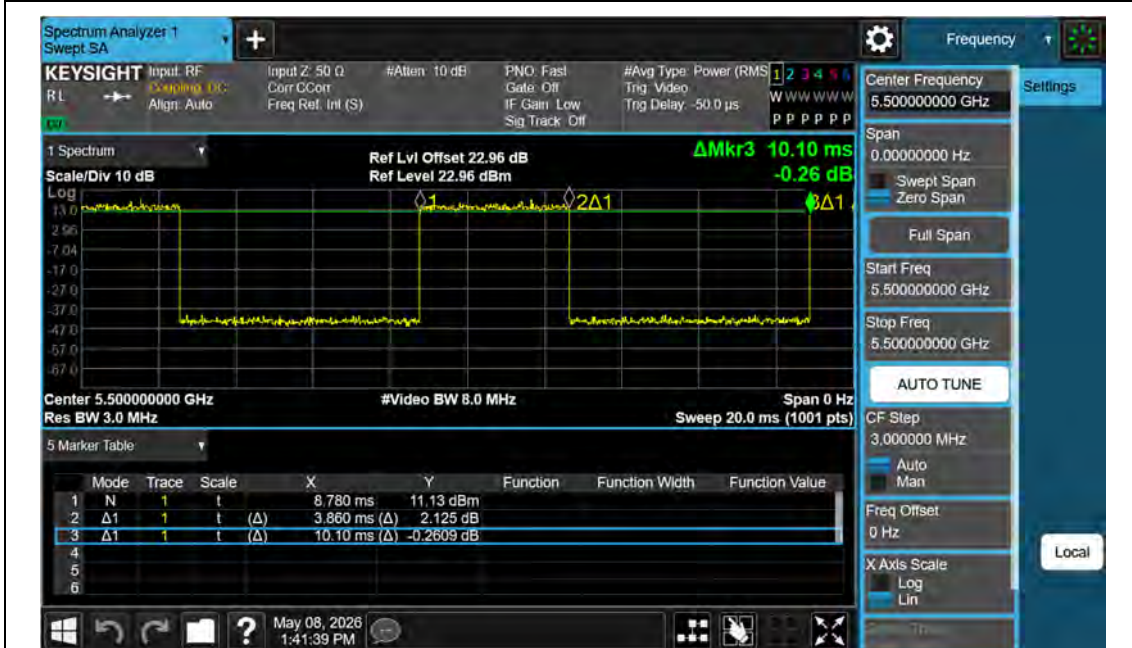
NTNV-11AX20SISO-Ant1-5300



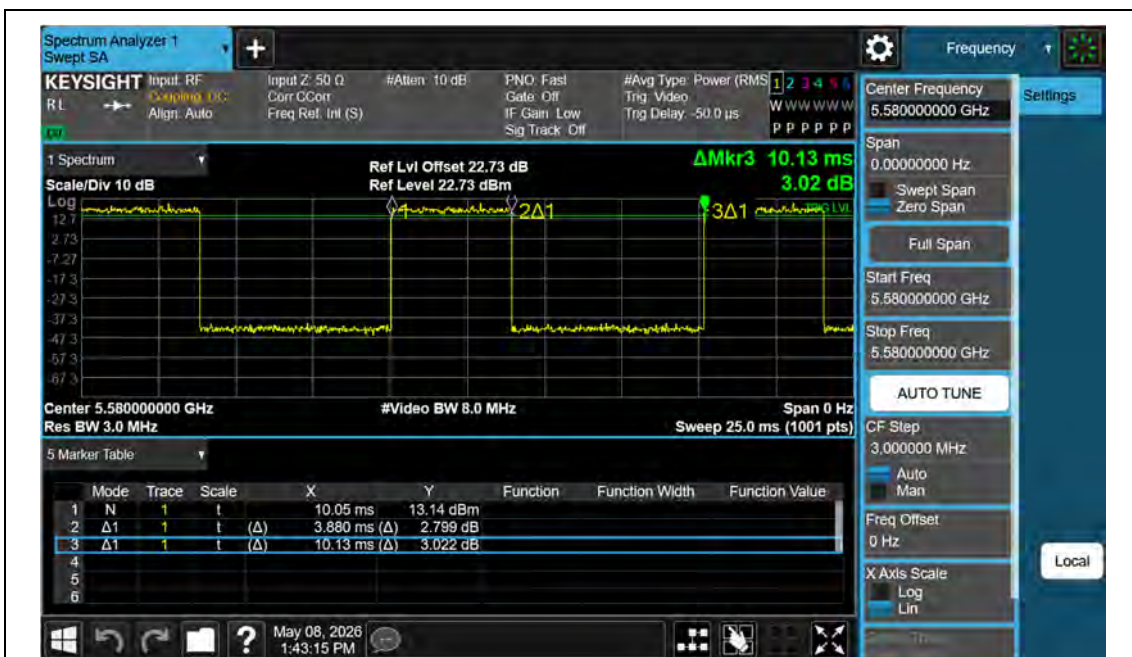
NTNV-11AX20SISO-Ant1-5320



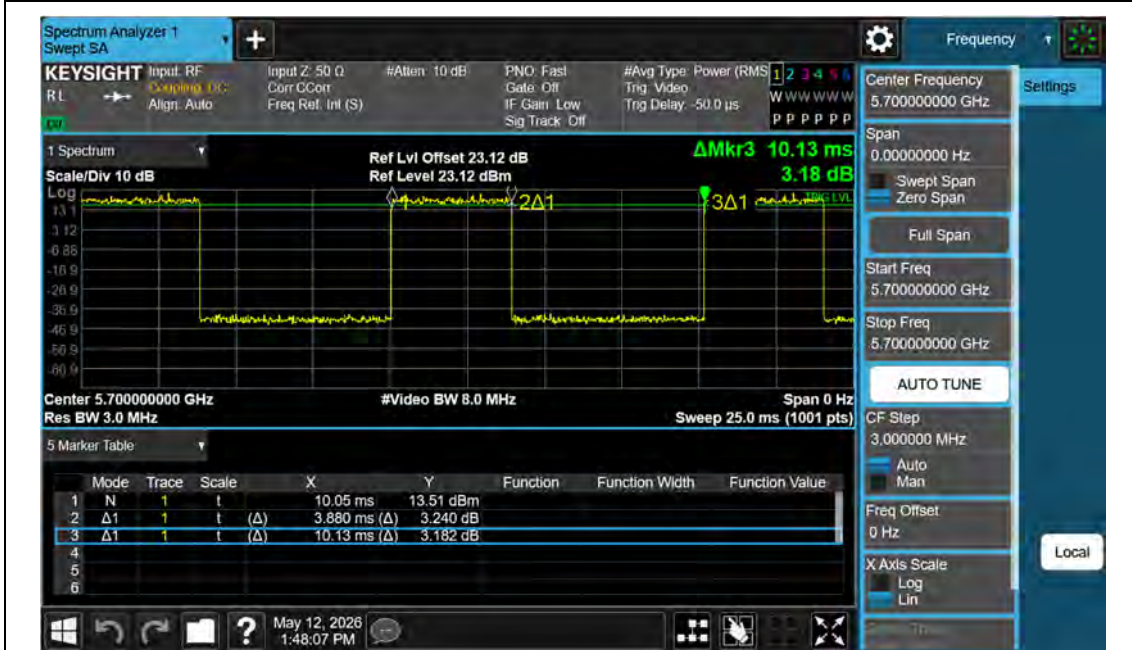
NTNV-11AX20SISO-Ant1-5500



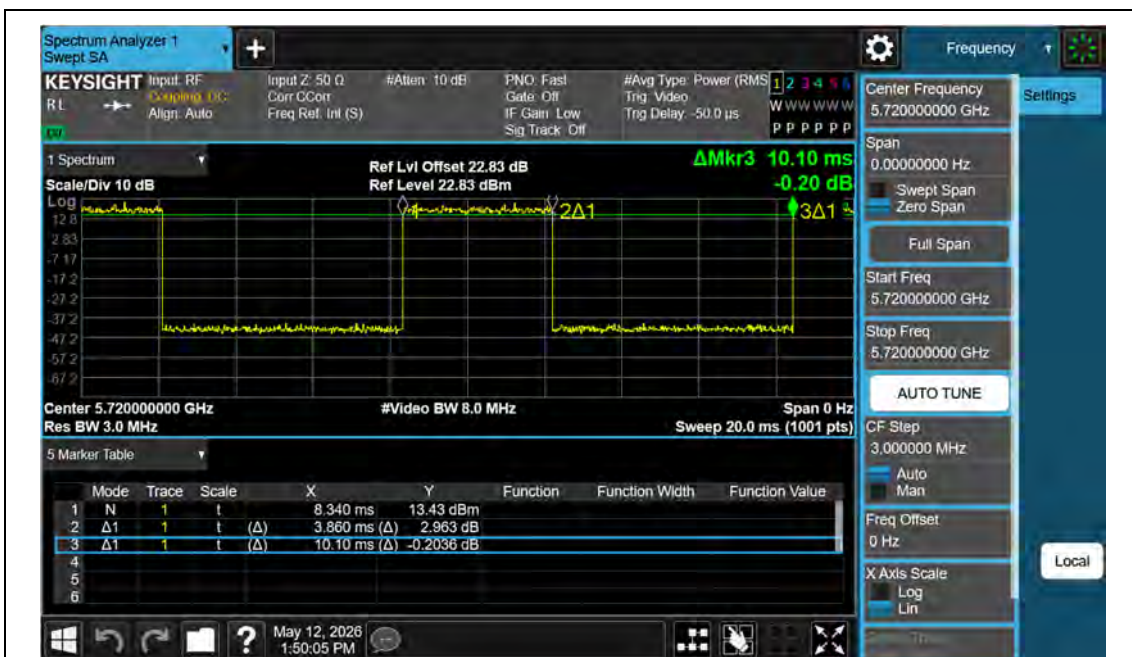
NTNV-11AX20SISO-Ant1-5580



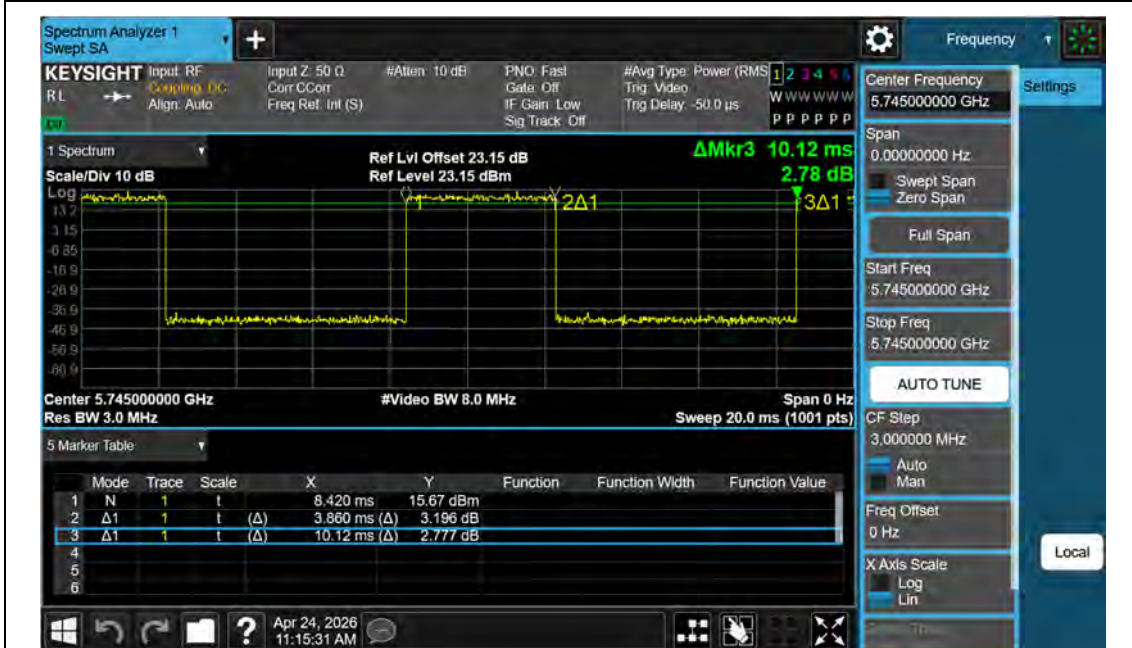
NTNV-11AX20SISO-Ant1-5700



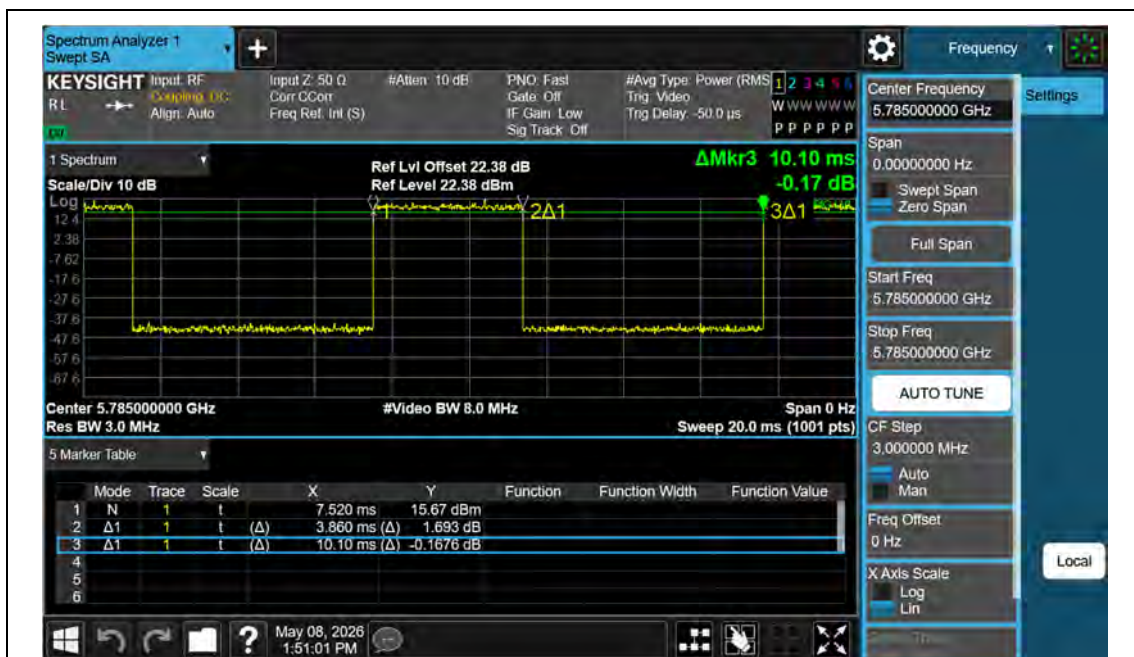
NTNV-11AX20SISO-Ant1-5720



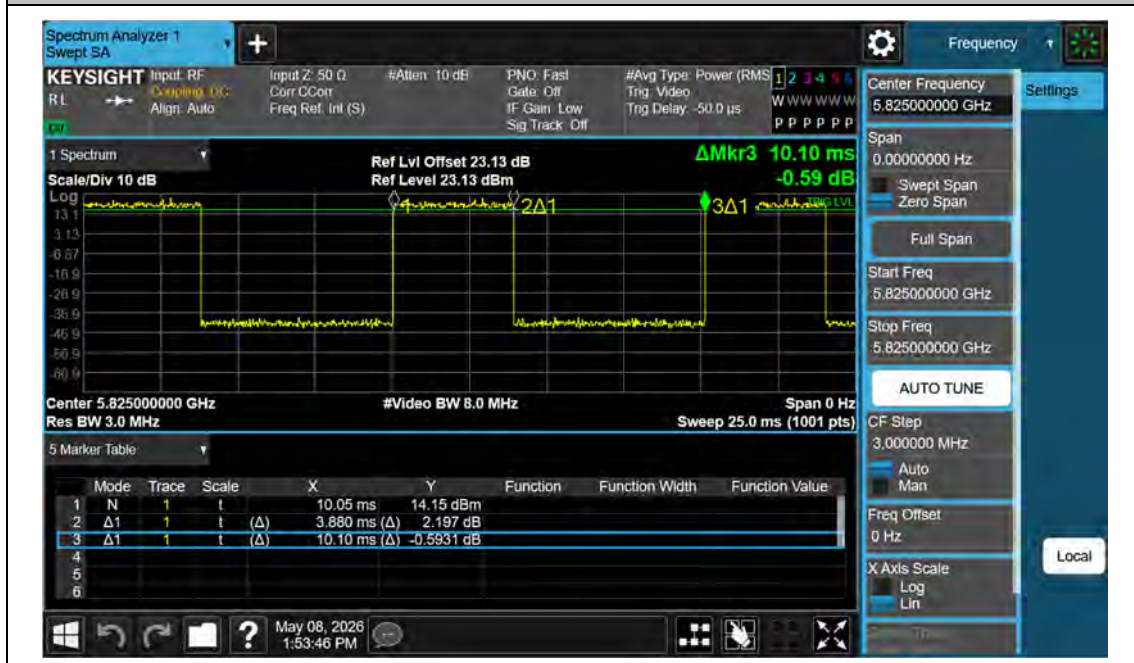
NTNV-11AX20SISO-Ant1-5745



NTNV-11AX20SISO-Ant1-5785



NTNV-11AX20SISO-Ant1-5825



Appendix C: Maximum conducted output power

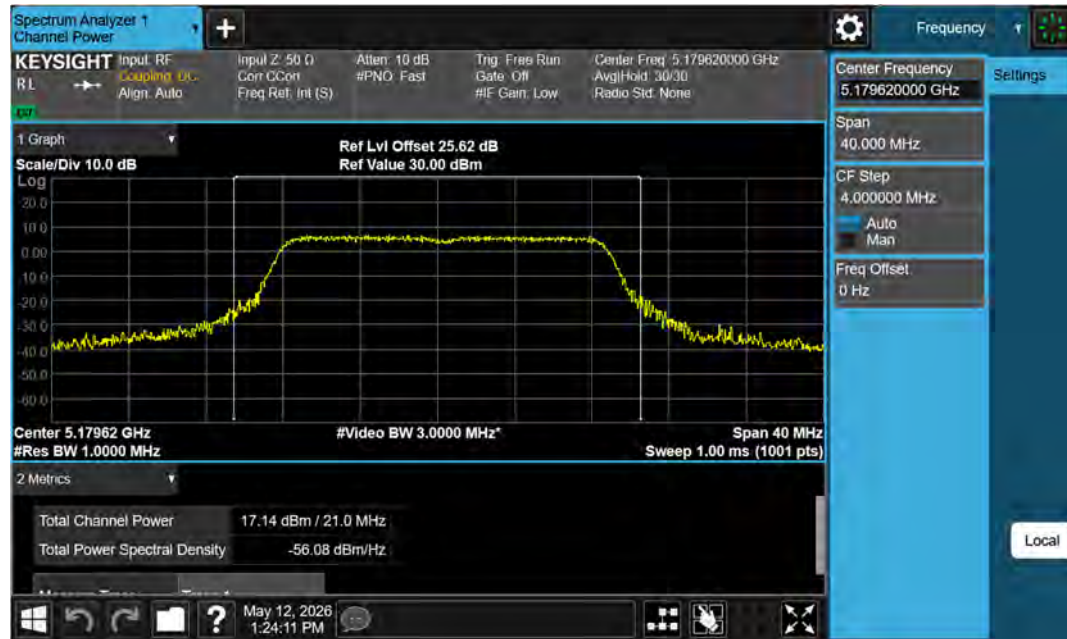
Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	14.48	54.16	2.66	17.14	≤23.98	PASS
11A	Ant1	5200	15.13	54.26	2.66	17.79	≤23.98	PASS
11A	Ant1	5240	13.39	54.26	2.66	16.05	≤23.98	PASS
11A	Ant1	5260	15.93	54.26	2.66	18.59	≤23.98	PASS
11A	Ant1	5300	15.66	54.35	2.65	18.31	≤23.98	PASS
11A	Ant1	5320	15.96	54.46	2.64	18.60	≤23.98	PASS
11A	Ant1	5500	15.54	54.16	2.66	18.20	≤23.98	PASS
11A	Ant1	5580	14.54	54.26	2.66	17.20	≤23.98	PASS
11A	Ant1	5700	16.18	54.46	2.64	18.82	≤23.98	PASS
11A	Ant1	5720_UN II-2C	16.44	54.46	2.64	19.08	≤22.82	PASS
11A	Ant1	5720_UN II-3	4.99	54.46	2.64	7.63	≤30.00	PASS
11A	Ant1	5745	18.09	54.29	2.65	20.74	≤30.00	PASS
11A	Ant1	5785	17.27	54.26	2.66	19.93	≤30.00	PASS
11A	Ant1	5825	15.96	54.26	2.66	18.62	≤30.00	PASS
11AX20SISO	Ant1	5180	13.48	38.30	4.17	17.65	≤23.98	PASS
11AX20SISO	Ant1	5200	13.76	38.12	4.19	17.95	≤23.98	PASS
11AX20SISO	Ant1	5240	12.90	38.22	4.18	17.08	≤23.98	PASS
11AX20SISO	Ant1	5260	13.66	38.42	4.15	17.81	≤23.98	PASS
11AX20SISO	Ant1	5300	14.40	38.24	4.17	18.57	≤23.98	PASS
11AX20SISO	Ant1	5320	13.74	38.42	4.15	17.89	≤23.98	PASS
11AX20SISO	Ant1	5500	14.60	38.22	4.18	18.78	≤23.98	PASS
11AX20SISO	Ant1	5580	14.05	38.30	4.17	18.22	≤23.98	PASS
11AX20SISO	Ant1	5700	14.83	38.30	4.17	19.00	≤23.98	PASS
11AX20SISO	Ant1	5720_UN II-2C	13.25	38.22	4.18	17.43	≤23.02	PASS
11AX20SISO	Ant1	5720_UN II-3	3.39	38.22	4.18	7.57	≤30.00	PASS
11AX20SISO	Ant1	5745	13.34	38.14	4.19	17.53	≤30.00	PASS
11AX20SISO	Ant1	5785	15.48	38.22	4.18	19.66	≤30.00	PASS
11AX20SISO	Ant1	5825	13.48	38.42	4.15	17.63	≤30.00	PASS

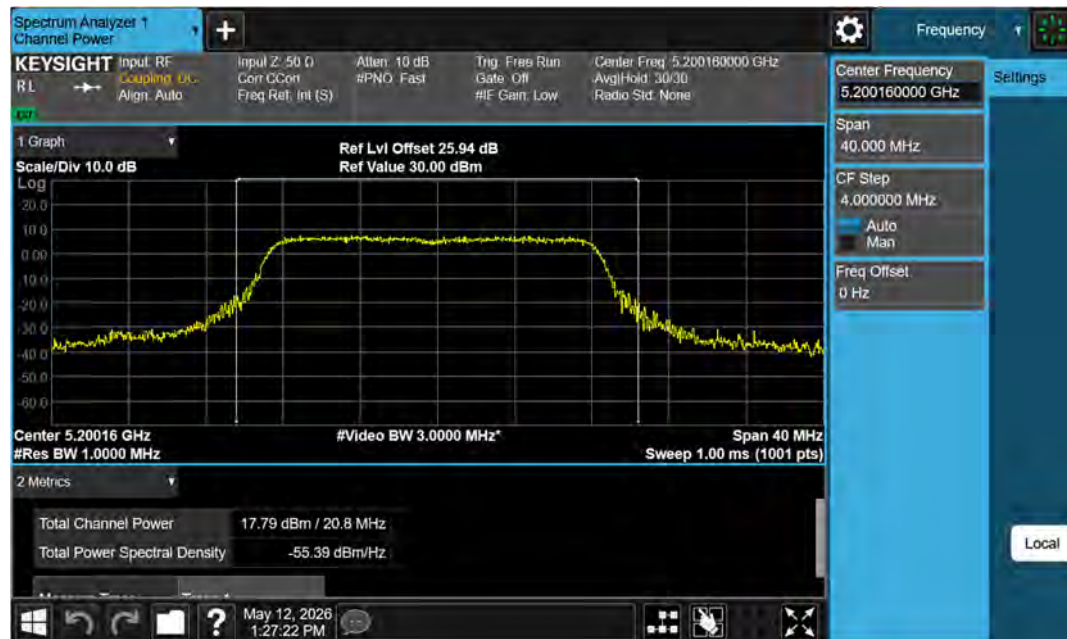
Note: The Duty Cycle Factor is compensated in the graph.

Test Graphs Channel Power

11A-Ant1-5180-PASS



11A-Ant1-5200-PASS



11A-Ant1-5240-PASS



11A-Ant1-5260-PASS



11A-Ant1-5300-PASS



11A-Ant1-5320-PASS



11A-Ant1-5500-PASS



11A-Ant1-5580-PASS



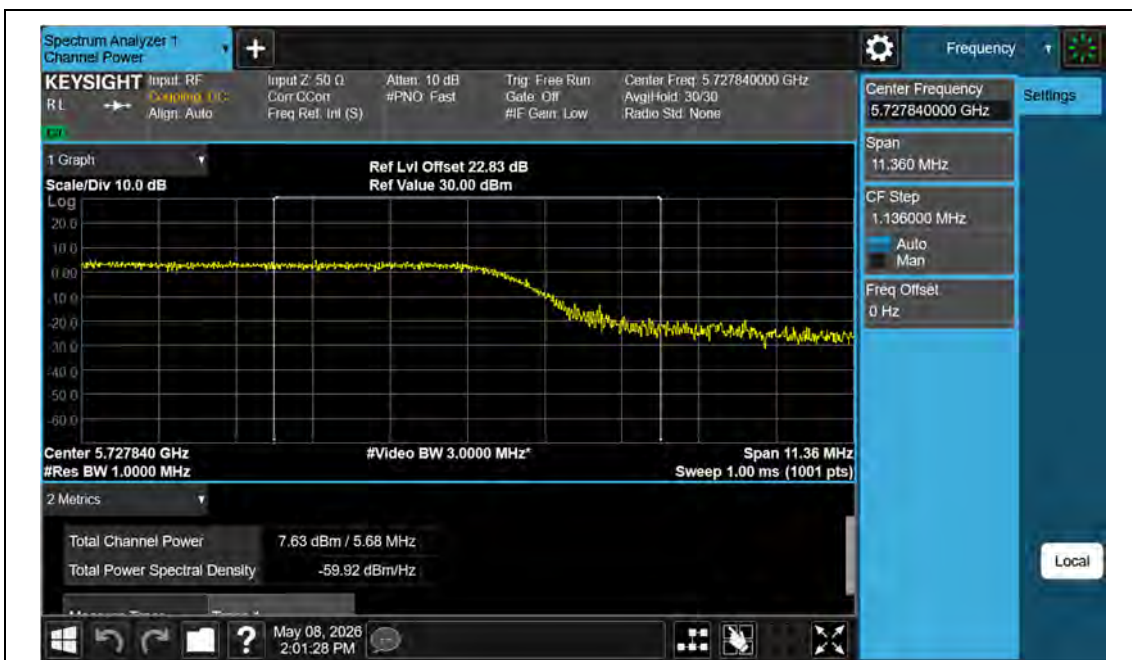
11A-Ant1-5700-PASS



11A-Ant1-5720_UNII-2C-PASS



11A-Ant1-5720_UNII-3-PASS



11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



11A-Ant1-5825-PASS



11AX20SISO-Ant1-5180-PASS



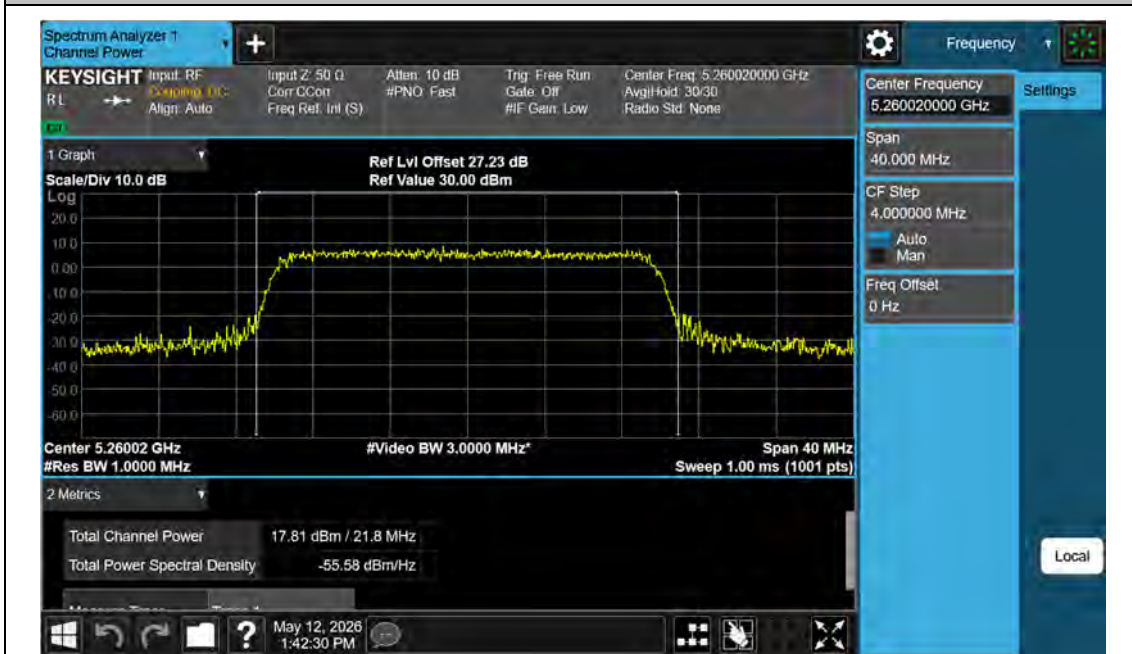
11AX20SISO-Ant1-5200-PASS



11AX20SISO-Ant1-5240-PASS



11AX20SISO-Ant1-5260-PASS



11AX20SISO-Ant1-5300-PASS



11AX20SISO-Ant1-5320-PASS



11AX20SISO-Ant1-5500-PASS



11AX20SISO-Ant1-5580-PASS



11AX20SISO-Ant1-5700-PASS



11AX20SISO-Ant1-5720_UNII-2C-PASS



11AX20SISO-Ant1-5720_UNII-3-PASS



11AX20SISO-Ant1-5745-PASS



11AX20SISO-Ant1-5785-PASS



11AX20SISO-Ant1-5825-PASS



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.69	≤11.00	PASS
11A	Ant1	5200	5.96	≤11.00	PASS
11A	Ant1	5240	5.66	≤11.00	PASS
11A	Ant1	5260	7.90	≤11.00	PASS
11A	Ant1	5300	7.77	≤11.00	PASS
11A	Ant1	5320	7.39	≤11.00	PASS
11A	Ant1	5500	6.39	≤11.00	PASS
11A	Ant1	5580	6.43	≤11.00	PASS
11A	Ant1	5700	7.22	≤11.00	PASS
11A	Ant1	5720_UNII-2C	8.47	≤11.00	PASS
11A	Ant1	5720_UNII-3	5.02	≤30.00	PASS
11A	Ant1	5745	5.59	≤30.00	PASS
11A	Ant1	5785	4.69	≤30.00	PASS
11A	Ant1	5825	4.38	≤30.00	PASS
11AX20SISO	Ant1	5180	5.80	≤11.00	PASS
11AX20SISO	Ant1	5200	6.25	≤11.00	PASS
11AX20SISO	Ant1	5240	5.97	≤11.00	PASS
11AX20SISO	Ant1	5260	6.76	≤11.00	PASS
11AX20SISO	Ant1	5300	6.61	≤11.00	PASS
11AX20SISO	Ant1	5320	6.16	≤11.00	PASS
11AX20SISO	Ant1	5500	6.32	≤11.00	PASS
11AX20SISO	Ant1	5580	5.99	≤11.00	PASS
11AX20SISO	Ant1	5700	6.51	≤11.00	PASS
11AX20SISO	Ant1	5720_UNII-2C	6.63	≤11.00	PASS
11AX20SISO	Ant1	5720_UNII-3	3.24	≤30.00	PASS
11AX20SISO	Ant1	5745	3.67	≤30.00	PASS
11AX20SISO	Ant1	5785	5.45	≤30.00	PASS
11AX20SISO	Ant1	5825	3.15	≤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

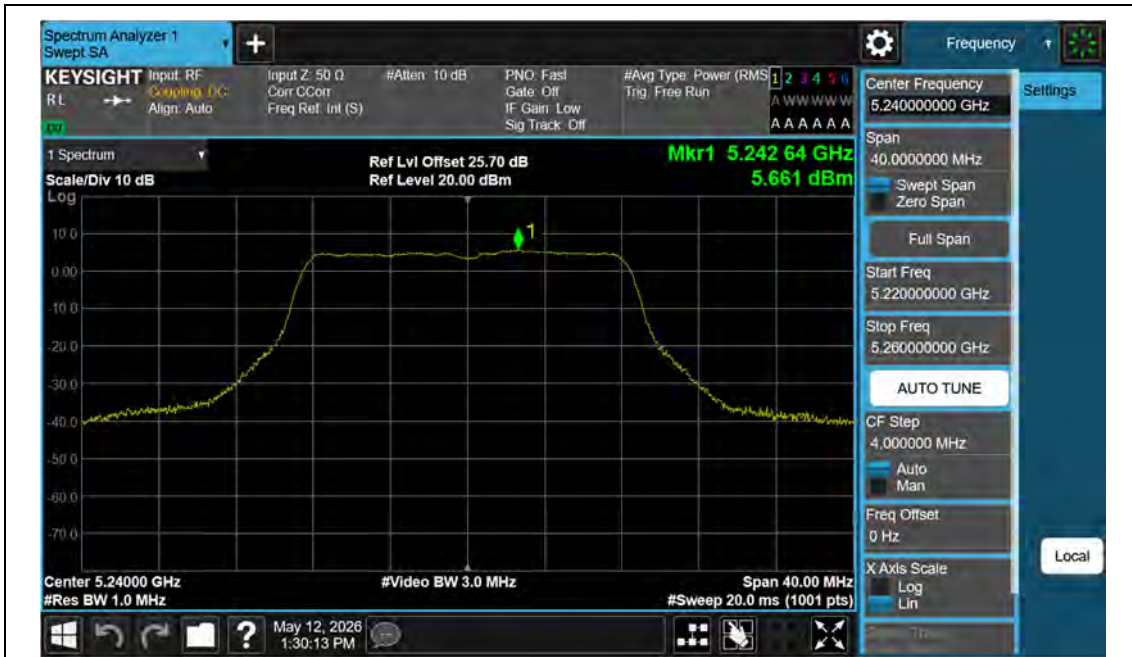
11A-Ant1-5180-PASS



11A-Ant1-5200-PASS



11A-Ant1-5240-PASS



11A-Ant1-5260-PASS



11A-Ant1-5300-PASS



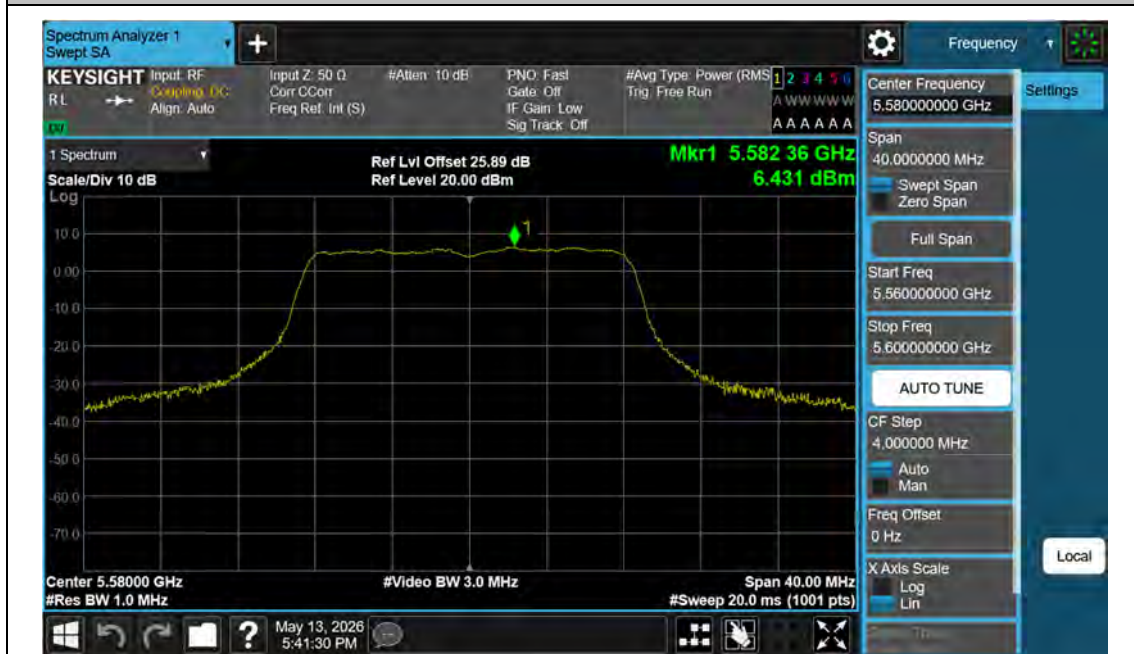
11A-Ant1-5320-PASS



11A-Ant1-5500-PASS



11A-Ant1-5580-PASS



11A-Ant1-5700-PASS



11A-Ant1-5720_UNII-2C-PASS



11A-Ant1-5720_UNII-3-PASS



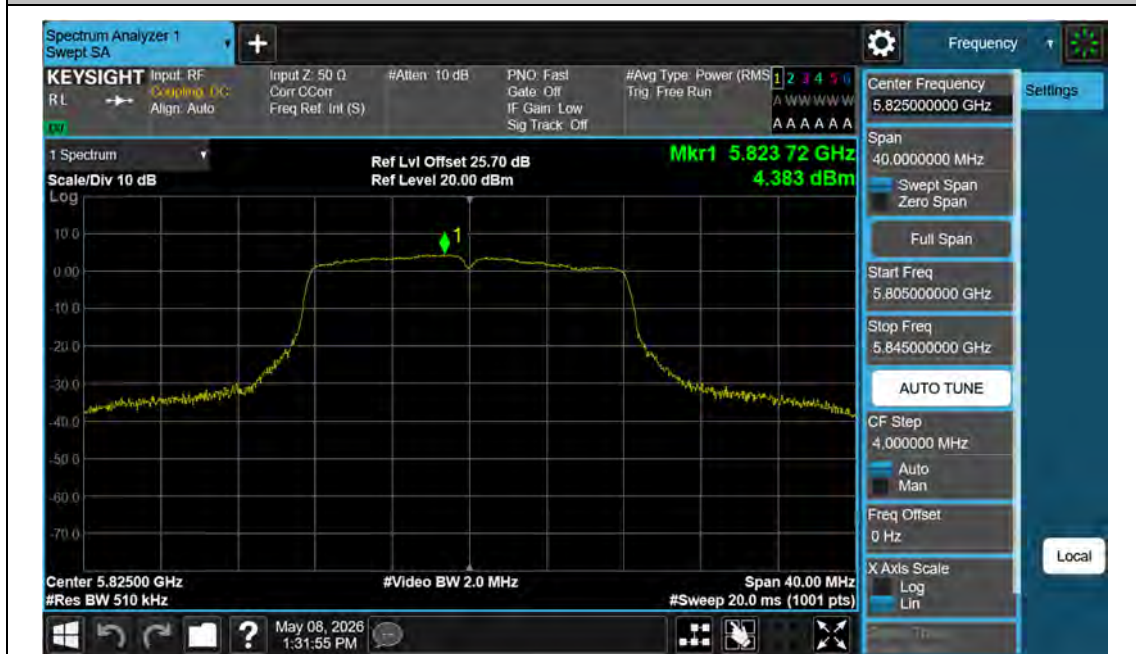
11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



11A-Ant1-5825-PASS



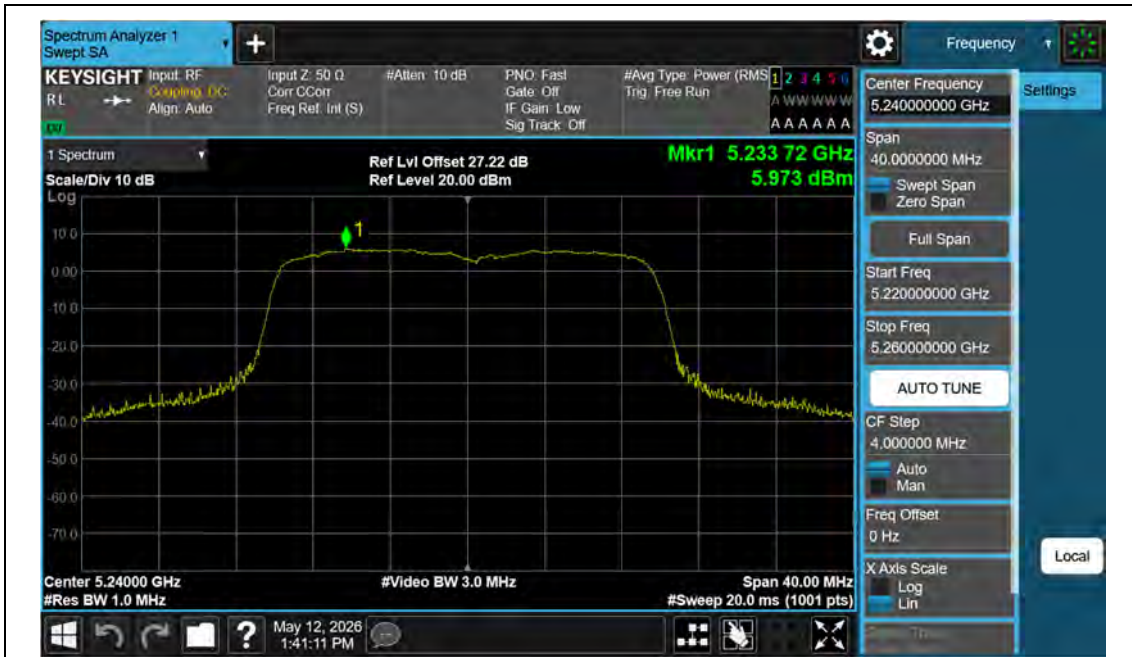
11AX20SISO-Ant1-5180-PASS



11AX20SISO-Ant1-5200-PASS



11AX20SISO-Ant1-5240-PASS



11AX20SISO-Ant1-5260-PASS



11AX20SISO-Ant1-5300-PASS



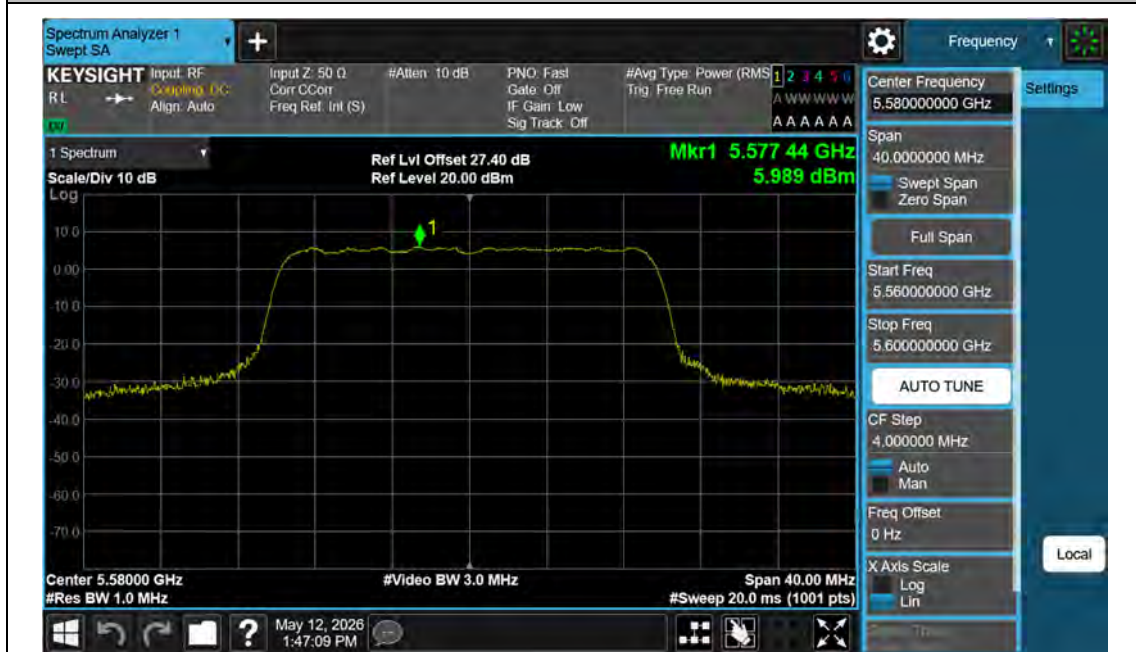
11AX20SISO-Ant1-5320-PASS



11AX20SISO-Ant1-5500-PASS



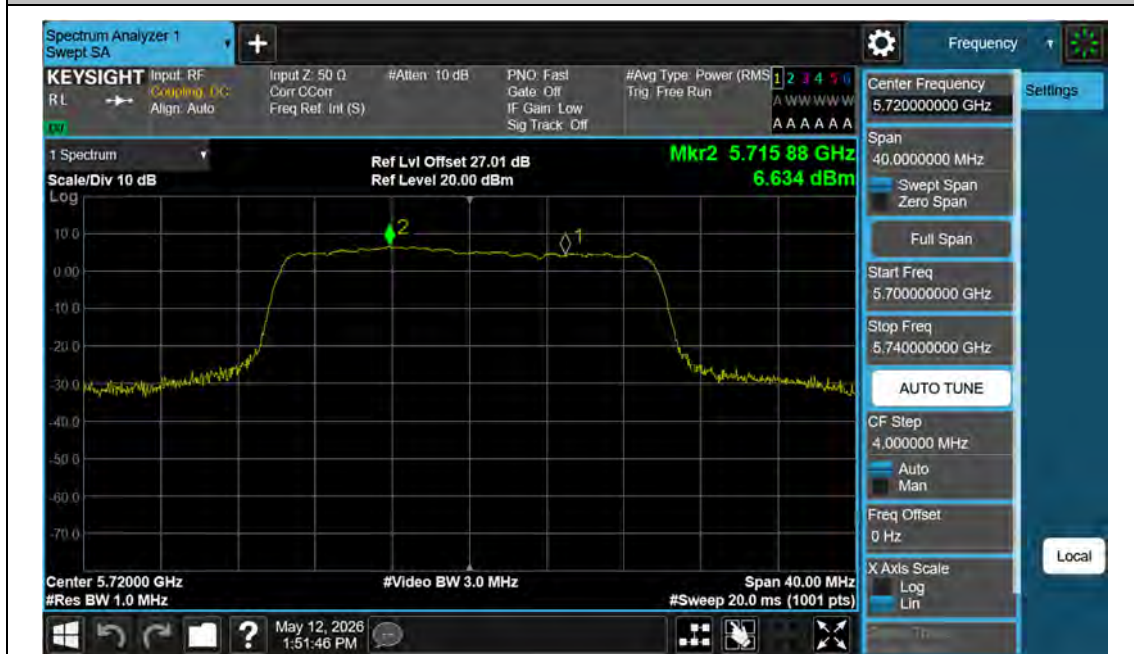
11AX20SISO-Ant1-5580-PASS



11AX20SISO-Ant1-5700-PASS



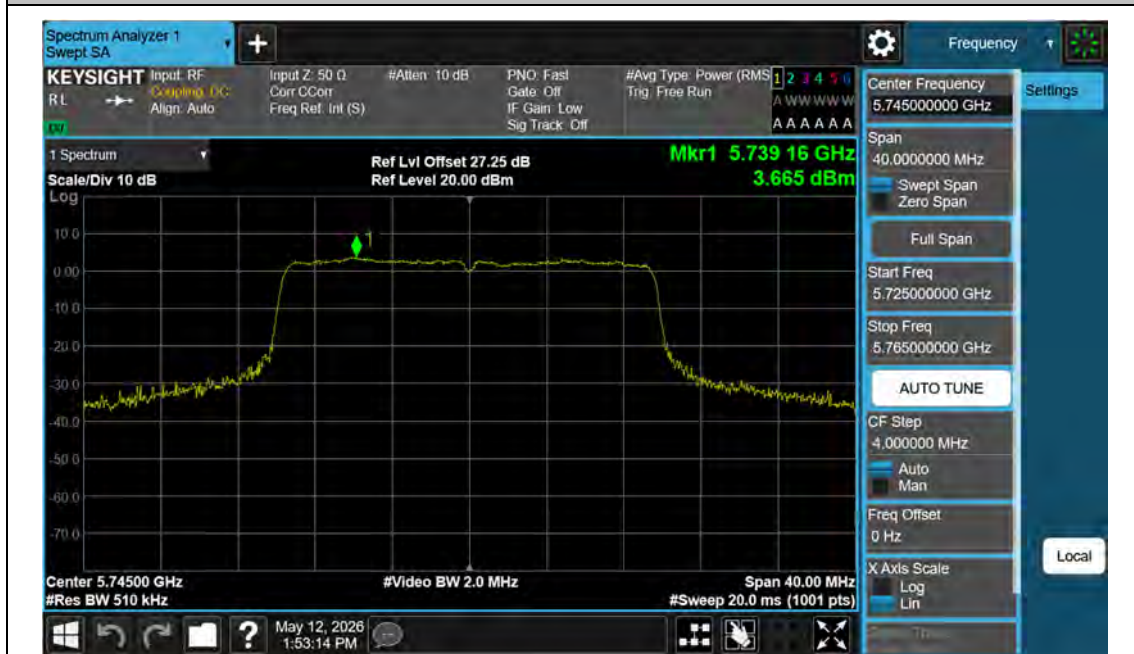
11AX20SISO-Ant1-5720_UNII-2C-PASS



11AX20SISO-Ant1-5720_UNII-3-PASS



11AX20SISO-Ant1-5745-PASS



11AX20SISO-Ant1-5785-PASS



11AX20SISO-Ant1-5825-PASS

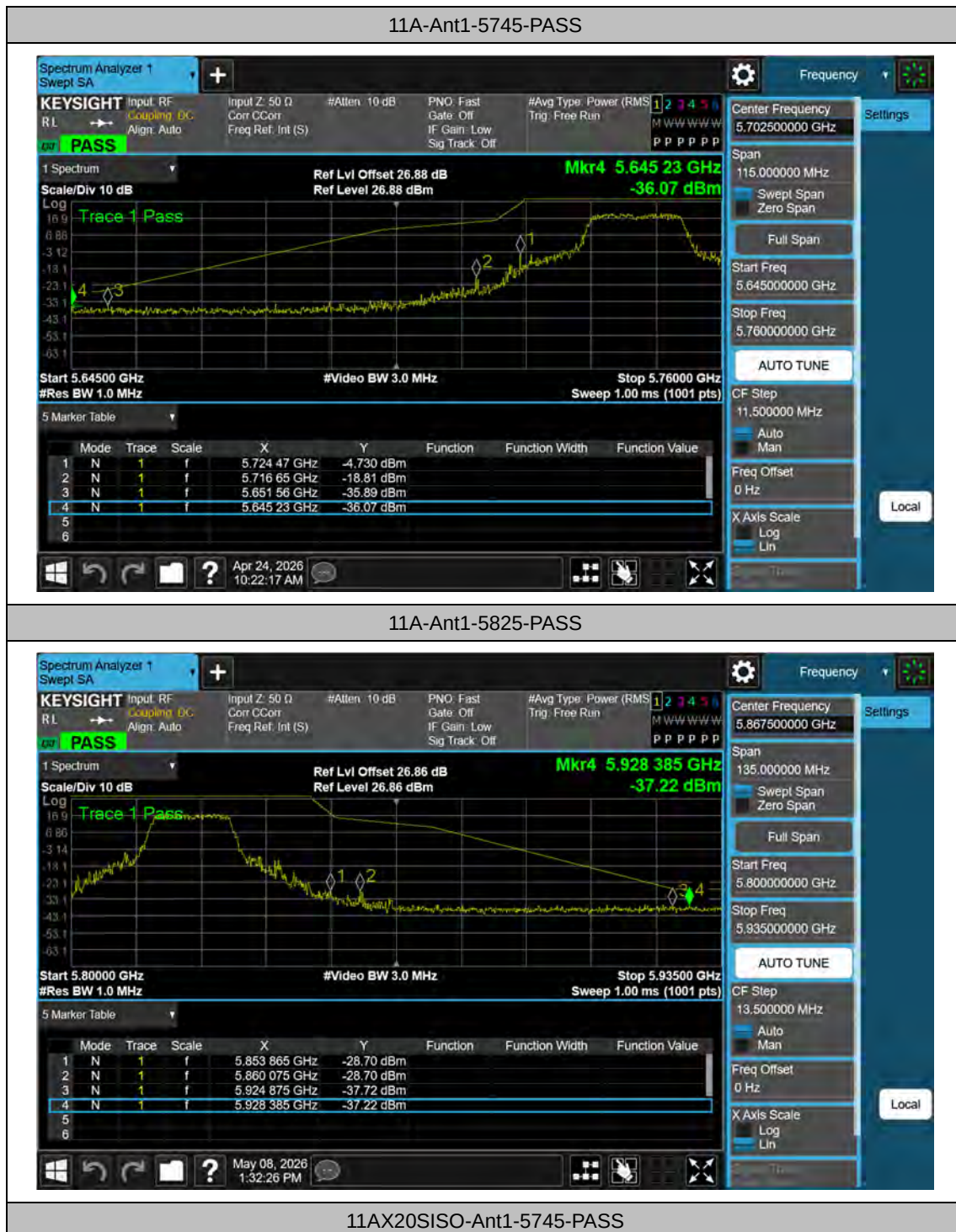


Appendix E: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-4.73	≤25.78	PASS
11A	Ant1	Low	5745	5700~5720	-18.81	≤14.66	PASS
11A	Ant1	Low	5745	5650~5700	-35.89	≤-25.85	PASS
11A	Ant1	Low	5745	5760~5650	-36.07	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-28.7	≤18.19	PASS
11A	Ant1	High	5825	5855~5875	-28.7	≤14.18	PASS
11A	Ant1	High	5825	5875~5925	-37.72	≤-26.91	PASS
11A	Ant1	High	5825	5925~5935	-37.22	≤-27	PASS
11AX20SISO	Ant1	Low	5745	5720~5725	-18.88	≤16.08	PASS
11AX20SISO	Ant1	Low	5745	5700~5720	-16.83	≤15.56	PASS
11AX20SISO	Ant1	Low	5745	5650~5700	-36.21	≤-26.87	PASS
11AX20SISO	Ant1	Low	5745	5760~5650	-36.8	≤-27	PASS
11AX20SISO	Ant1	High	5825	5850~5855	-28.58	≤15.73	PASS
11AX20SISO	Ant1	High	5825	5855~5875	-28.15	≤14.67	PASS
11AX20SISO	Ant1	High	5825	5875~5925	-38.39	≤-26.41	PASS
11AX20SISO	Ant1	High	5825	5925~5935	-36.14	≤-27	PASS

Test Graphs B4





11AX20SiSO-Ant1-5825-PASS



Appendix F: Frequency Stability

Test Result

TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	5179.998	-3.861004	20	PASS
11A	Ant1	5180	LV	NT	5179.996	-7.722008	20	PASS
11A	Ant1	5180	HV	NT	5179.996	-7.722008	20	PASS
11A	Ant1	5260	NV	NT	5259.998	-3.802281	20	PASS
11A	Ant1	5260	LV	NT	5260.000	0.000000	20	PASS
11A	Ant1	5260	HV	NT	5259.998	-3.802281	20	PASS
11A	Ant1	5500	NV	NT	5499.998	-3.636364	20	PASS
11A	Ant1	5500	LV	NT	5499.998	-3.636364	20	PASS
11A	Ant1	5500	HV	NT	5499.996	-7.272727	20	PASS
11A	Ant1	5745	NV	NT	5744.998	-3.481288	20	PASS
11A	Ant1	5745	LV	NT	5744.996	-6.962576	20	PASS
11A	Ant1	5745	HV	NT	5744.998	-3.481288	20	PASS

TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	5179.996	-7.722008	20	PASS
11A	Ant1	5180	NV	-20	5179.998	-3.861004	20	PASS
11A	Ant1	5180	NV	-10	5179.996	-7.722008	20	PASS
11A	Ant1	5180	NV	0	5179.998	-3.861004	20	PASS
11A	Ant1	5180	NV	10	5179.998	-3.861004	20	PASS
11A	Ant1	5180	NV	20	5180.000	0.000000	20	PASS
11A	Ant1	5180	NV	30	5179.998	-3.861004	20	PASS
11A	Ant1	5180	NV	40	5180.000	0.000000	20	PASS
11A	Ant1	5180	NV	50	5179.998	-3.861004	20	PASS
11A	Ant1	5260	NV	-30	5259.998	-3.802281	20	PASS
11A	Ant1	5260	NV	-20	5259.996	-7.604563	20	PASS
11A	Ant1	5260	NV	-10	5259.998	-3.802281	20	PASS
11A	Ant1	5260	NV	0	5259.998	-3.802281	20	PASS
11A	Ant1	5260	NV	10	5259.998	-3.802281	20	PASS
11A	Ant1	5260	NV	20	5259.996	-7.604563	20	PASS
11A	Ant1	5260	NV	30	5259.998	-3.802281	20	PASS
11A	Ant1	5260	NV	40	5259.996	-7.604563	20	PASS
11A	Ant1	5260	NV	50	5259.996	-7.604563	20	PASS
11A	Ant1	5500	NV	-30	5499.998	-3.636364	20	PASS
11A	Ant1	5500	NV	-20	5499.996	-7.272727	20	PASS
11A	Ant1	5500	NV	-10	5499.998	-3.636364	20	PASS
11A	Ant1	5500	NV	0	5499.998	-3.636364	20	PASS



11A	Ant1	5500	NV	10	5499.998	-3.636364	20	PASS
11A	Ant1	5500	NV	20	5500.000	0.000000	20	PASS
11A	Ant1	5500	NV	30	5499.996	-7.272727	20	PASS
11A	Ant1	5500	NV	40	5499.998	-3.636364	20	PASS
11A	Ant1	5500	NV	50	5499.998	-3.636364	20	PASS
11A	Ant1	5745	NV	-30	5744.998	-3.481288	20	PASS
11A	Ant1	5745	NV	-20	5744.998	-3.481288	20	PASS
11A	Ant1	5745	NV	-10	5744.998	-3.481288	20	PASS
11A	Ant1	5745	NV	0	5744.998	-3.481288	20	PASS
11A	Ant1	5745	NV	10	5744.998	-3.481288	20	PASS
11A	Ant1	5745	NV	20	5744.998	-3.481288	20	PASS
11A	Ant1	5745	NV	30	5744.998	-3.481288	20	PASS
11A	Ant1	5745	NV	40	5745.000	0.000000	20	PASS
11A	Ant1	5745	NV	50	5745.000	0.000000	20	PASS