

Case No. : <u>GTS20240604012-1-04</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.1.6</u>	Test Engineer: <u>Evan ouyang</u>

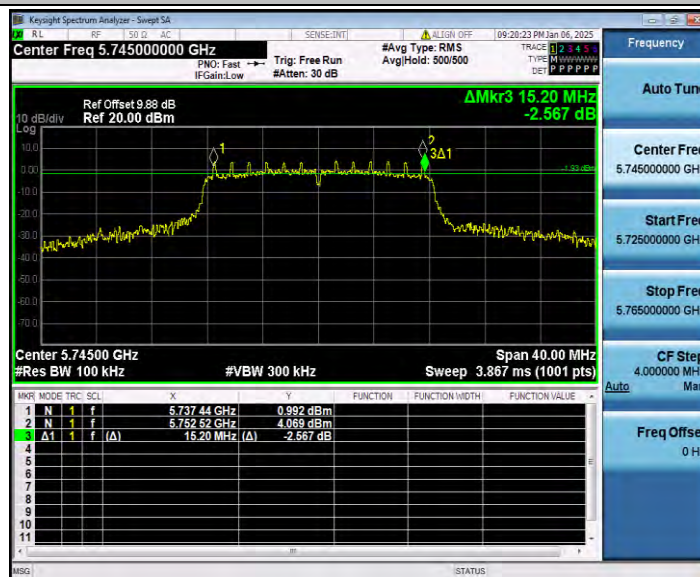
Appendix G.1: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	15.200	5737.440	5752.640	0.5	PASS
		5785	15.200	5777.440	5792.640	0.5	PASS
		5825	15.200	5817.440	5832.640	0.5	PASS
11N20SISO	Ant0	5745	15.200	5737.440	5752.640	0.5	PASS
		5785	15.200	5777.440	5792.640	0.5	PASS
		5825	15.200	5817.440	5832.640	0.5	PASS
11N40SISO	Ant0	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC20SISO	Ant0	5745	15.200	5737.440	5752.640	0.5	PASS
		5785	15.200	5777.440	5792.640	0.5	PASS
		5825	15.200	5817.440	5832.640	0.5	PASS
11AC40SISO	Ant0	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC80SISO	Ant0	5775	75.200	5737.400	5812.600	0.5	PASS
11AX20SISO	Ant0	5745	15.200	5737.440	5752.640	0.5	PASS
		5785	15.560	5777.080	5792.640	0.5	PASS
		5825	15.320	5817.440	5832.760	0.5	PASS
11AX40SISO	Ant0	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AX80SISO	Ant0	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

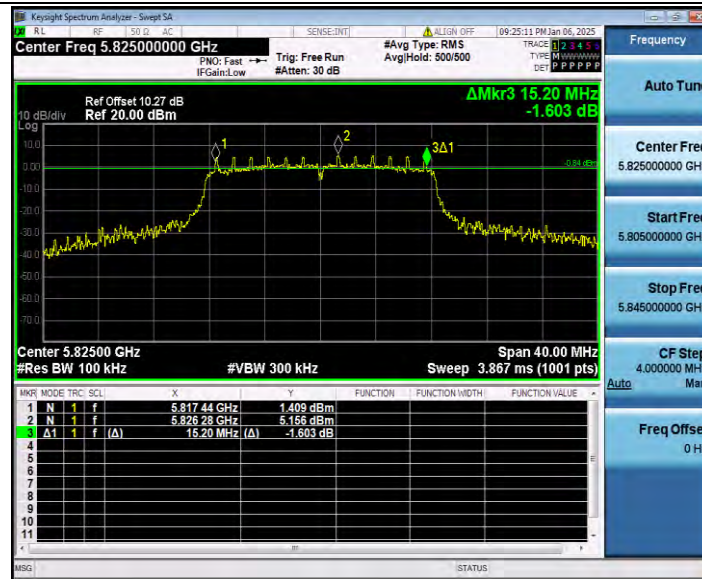
11A_Ant0_5745



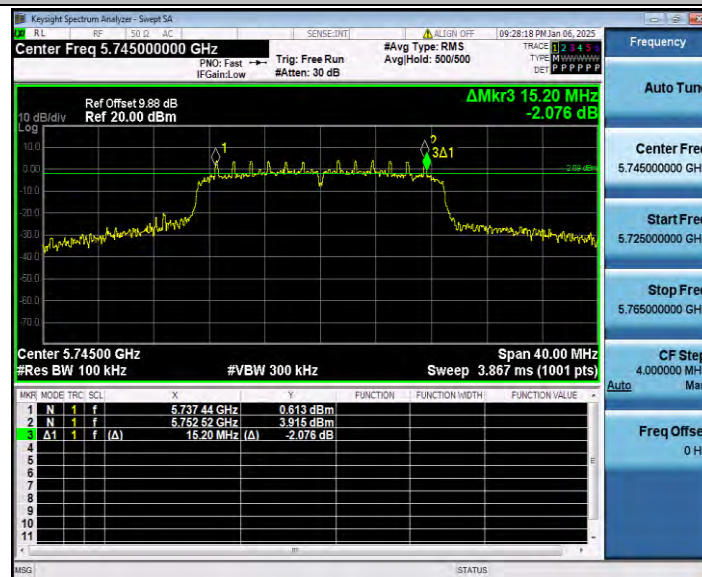
11A_Ant0_5785



11A_Ant0_5825



11N20SISO_Ant0_5745



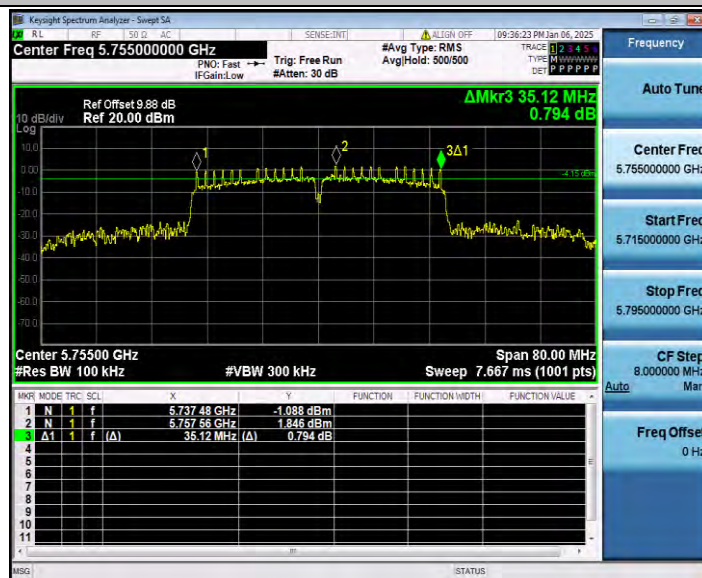
11N20SISO_Ant0_5785



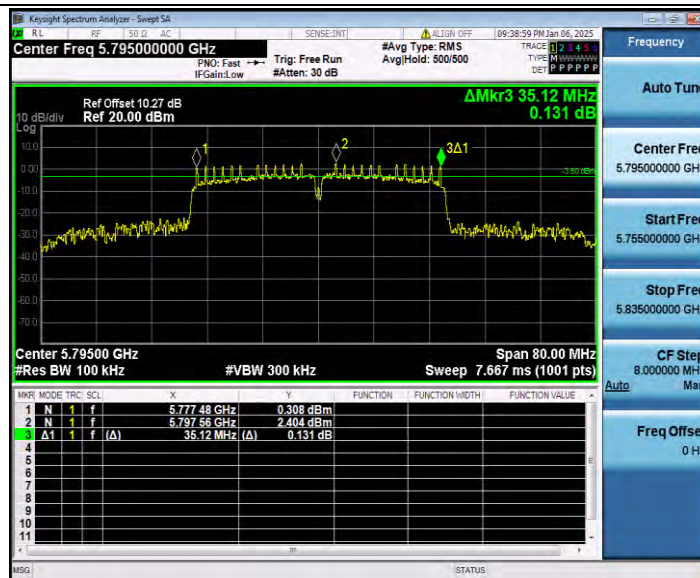
11N20SISO_Ant0_5825



11N40SISO_Ant0_5755



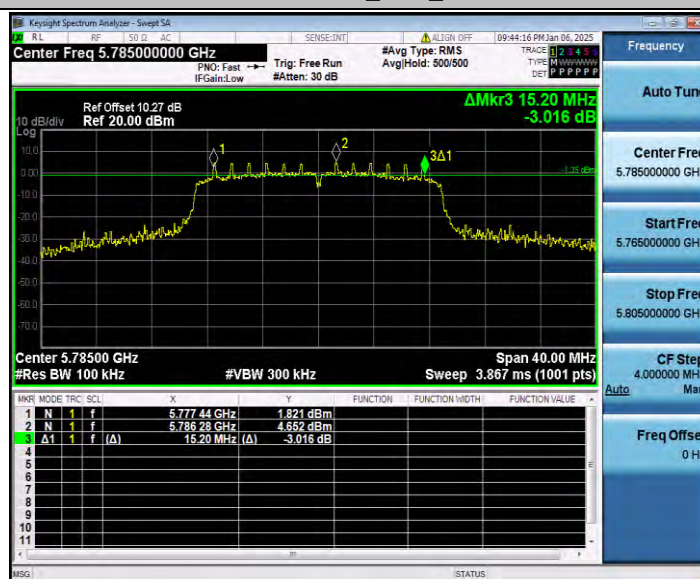
11N40SISO_Ant0_5795



11AC20SISO_Ant0_5745



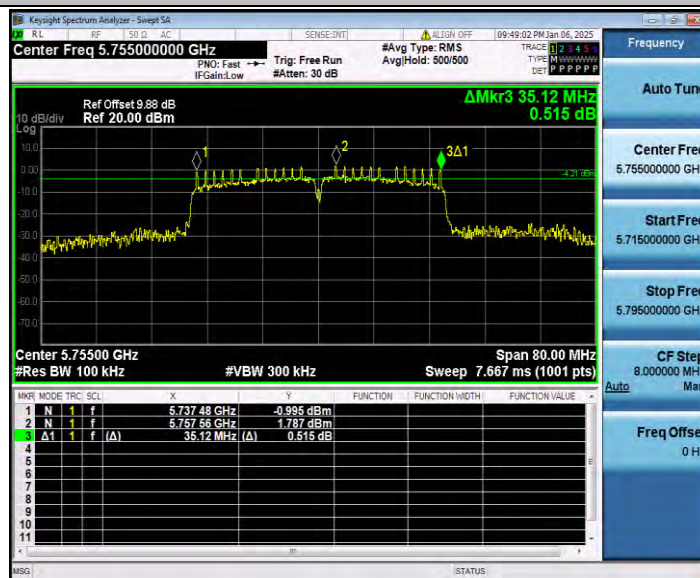
11AC20SISO_Ant0_5785



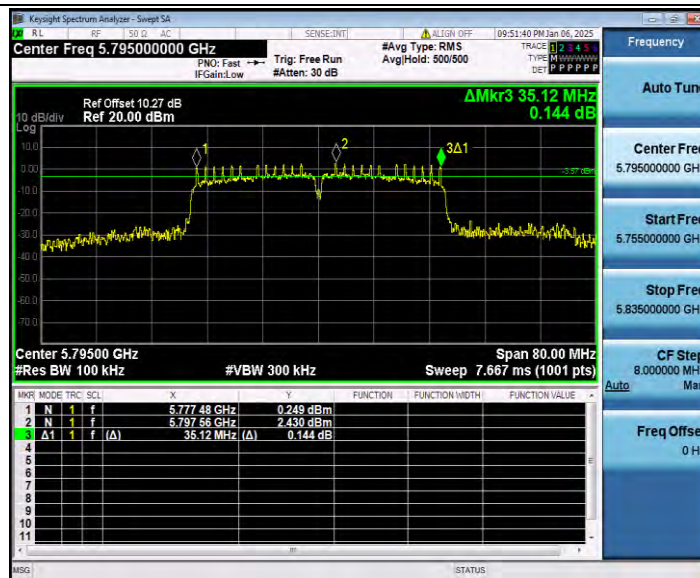
11AC20SISO_Ant0_5825



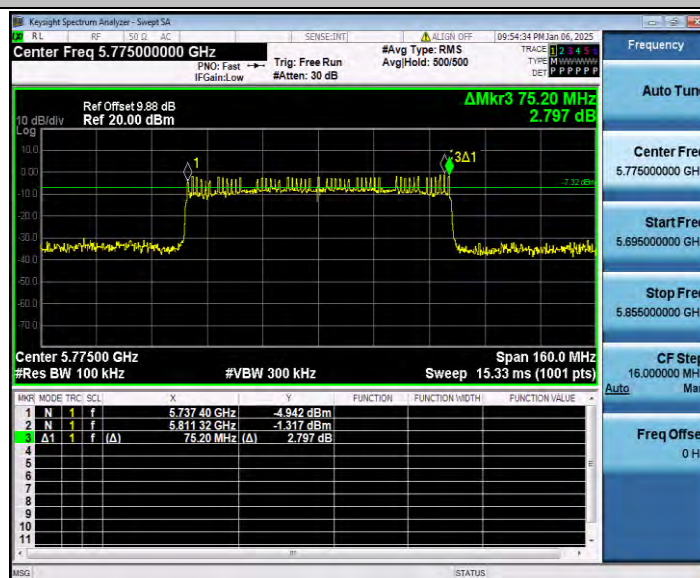
11AC40SISO_Ant0_5755



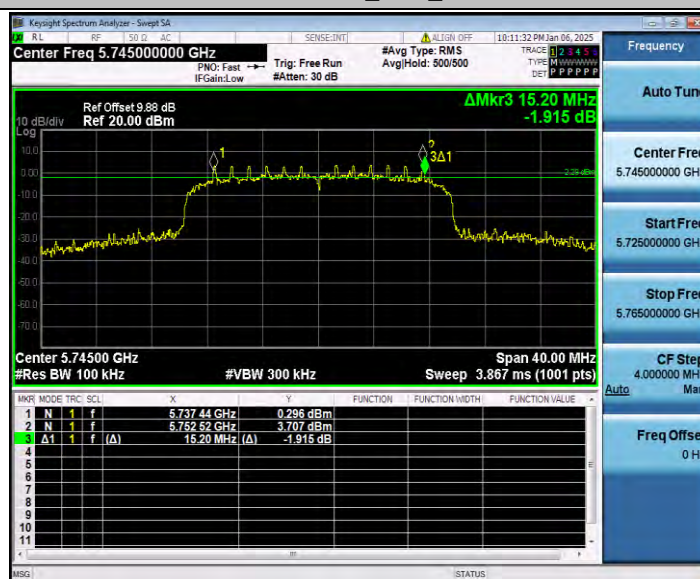
11AC40SISO_Ant0_5795



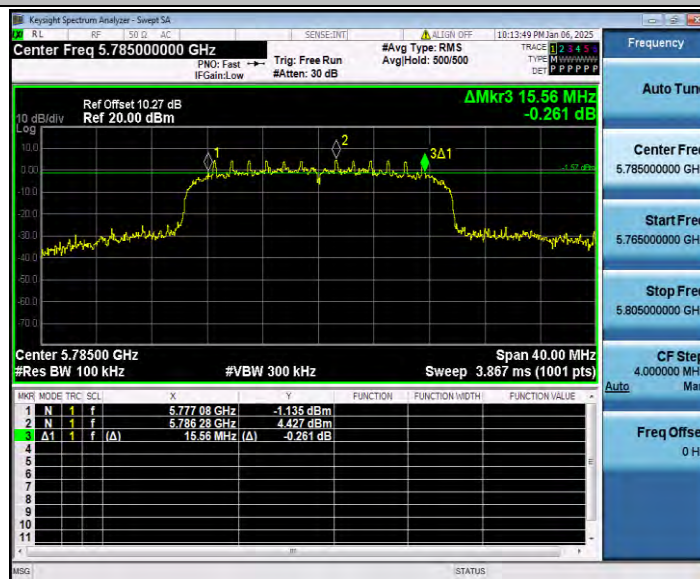
11AC80SISO_Ant0_5775



11AX20SISO_Ant0_5745



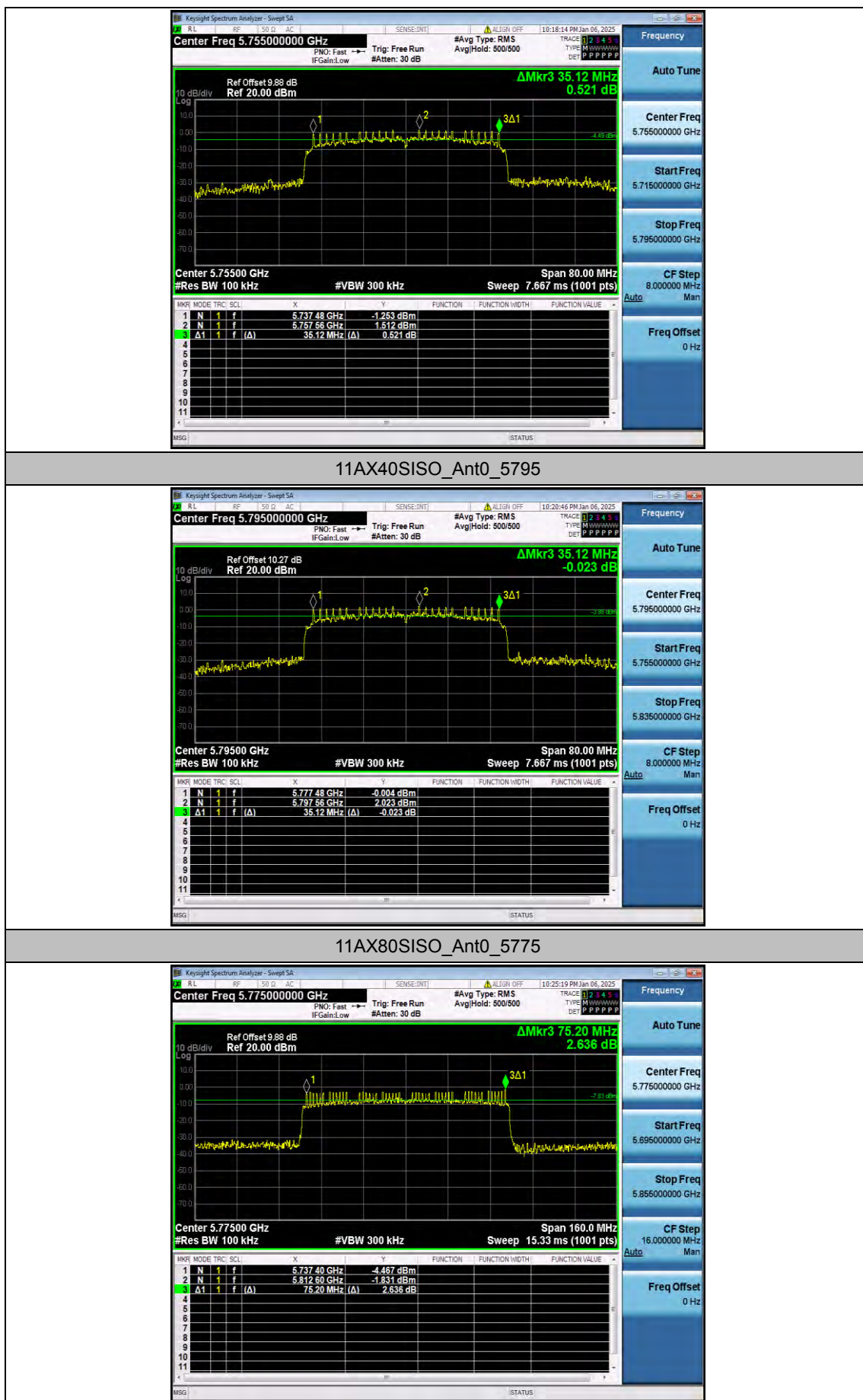
11AX20SISO_Ant0_5785



11AX20SISO_Ant0_5825



11AX40SISO_Ant0_5755



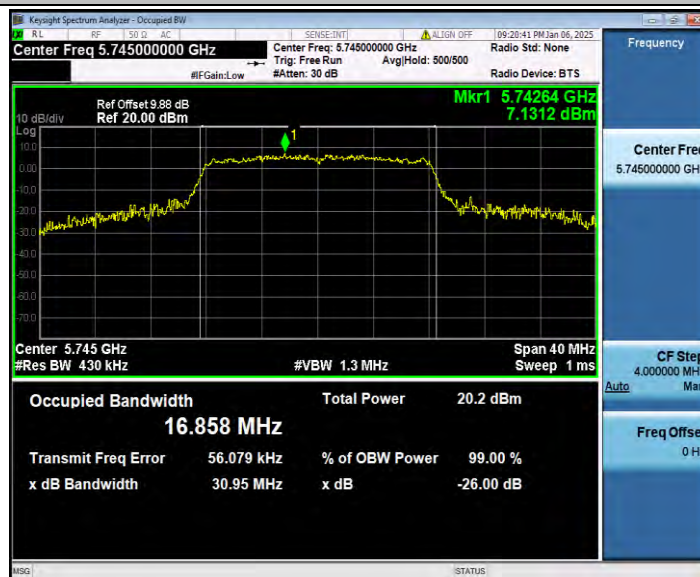
Appendix G.2: Occupied channel bandwidth

Test Result

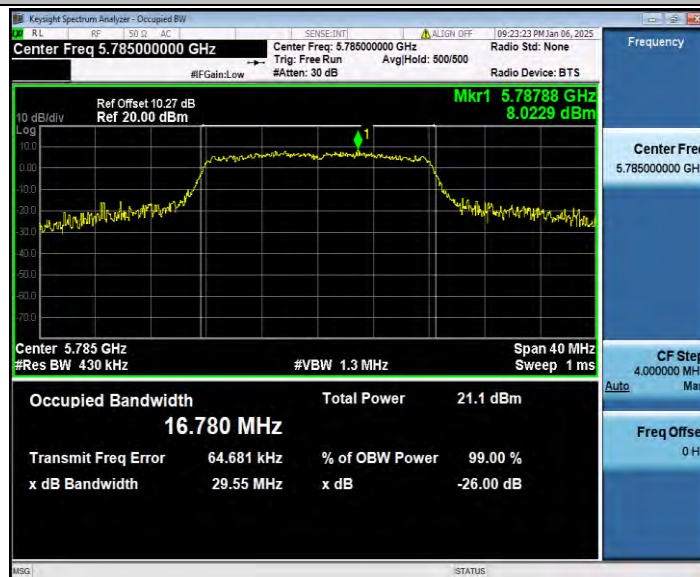
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	16.858	5736.6271	5753.4851	---	---
		5785	16.780	5776.6747	5793.4547	---	---
		5825	16.655	5816.7596	5833.4146	---	---
11N20SISO	Ant0	5745	17.828	5736.1911	5754.0191	---	---
		5785	17.664	5776.2011	5793.8651	---	---
		5825	17.624	5816.2661	5833.8901	---	---
11N40SISO	Ant0	5755	43.364	5734.8073	5778.1713	---	---
		5795	41.907	5772.9897	5814.8967	---	---
11AC20SISO	Ant0	5745	17.674	5736.2099	5753.8839	---	---
		5785	17.626	5776.2183	5793.8443	---	---
		5825	17.506	5816.3072	5833.8132	---	---
11AC40SISO	Ant0	5755	36.462	5737.1295	5773.5915	---	---
		5795	36.391	5777.0650	5813.4560	---	---
11AC80SISO	Ant0	5775	76.196	5737.2594	5813.4554	---	---
11AX20SISO	Ant0	5745	18.409	5735.8742	5754.2832	---	---
		5785	18.436	5775.8151	5794.2511	---	---
		5825	18.369	5815.8551	5834.2241	---	---
11AX40SISO	Ant0	5755	36.948	5736.6958	5773.6438	---	---
		5795	36.852	5776.7050	5813.5570	---	---
11AX80SISO	Ant0	5775	77.720	5736.2954	5814.0154	---	---

Test Graphs

11A_Ant0_5745



11A_Ant0_5785



11A_Ant0_5825



11N20SISO_Ant0_5745



11N20SISO_Ant0_5785



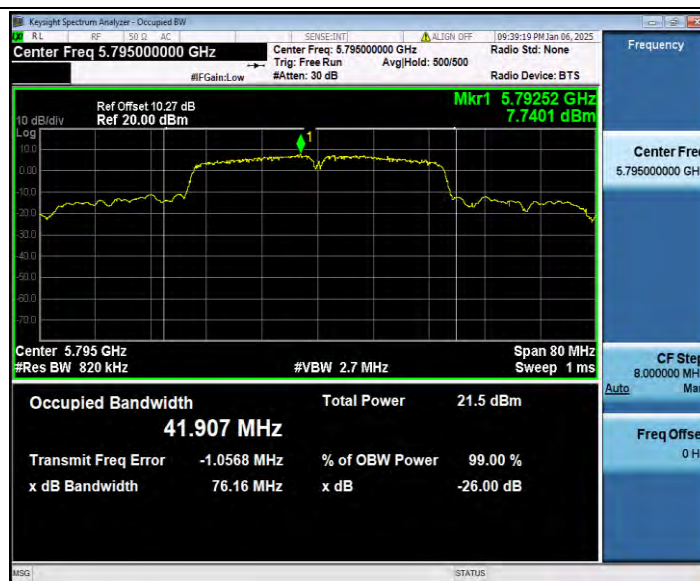
11N20SISO_Ant0_5825



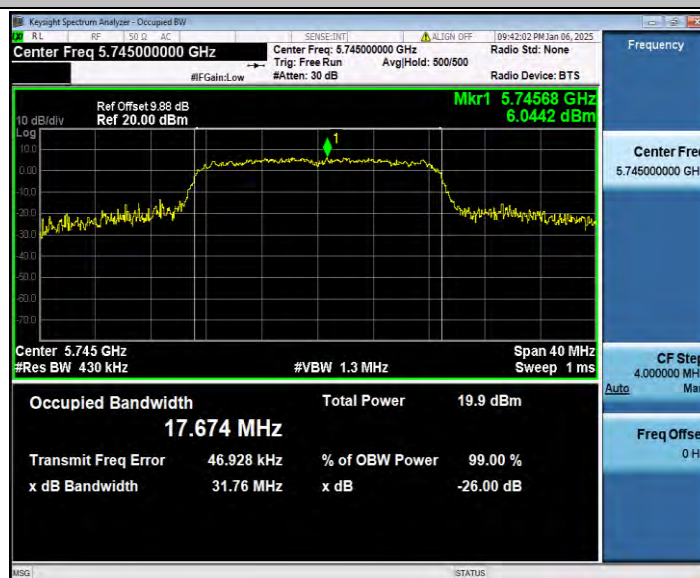
11N40SISO_Ant0_5755



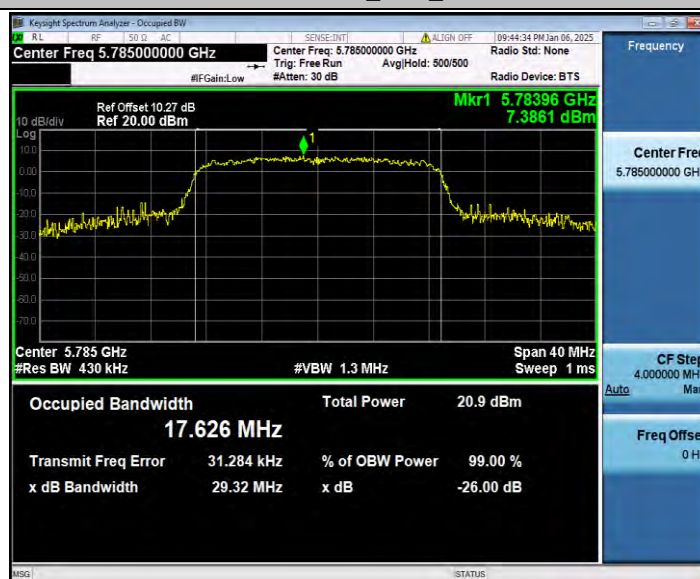
11N40SISO_Ant0_5795



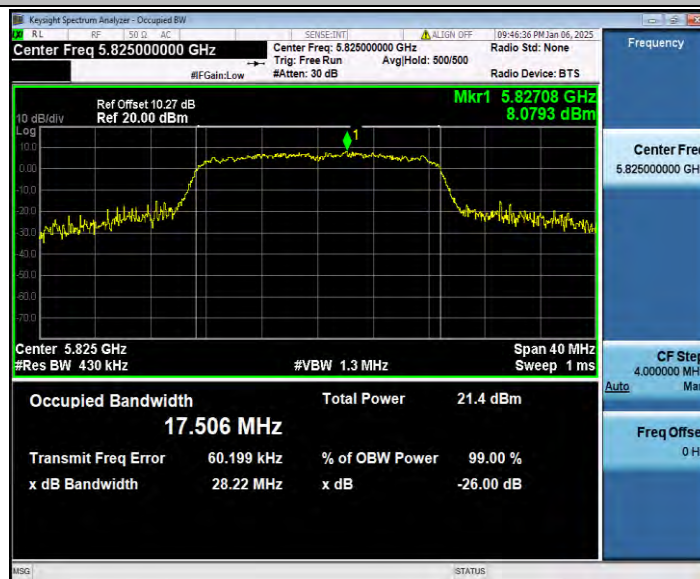
11AC20SISO_Ant0_5745



11AC20SISO_Ant0_5785



11AC20SISO_Ant0_5825



11AC40SISO_Ant0_5755



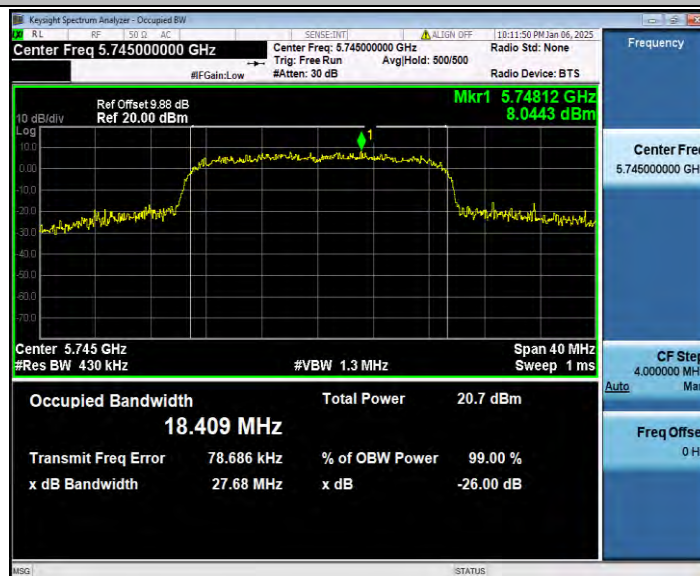
11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775



11AX20SISO_Ant0_5745



11AX20SISO_Ant0_5785



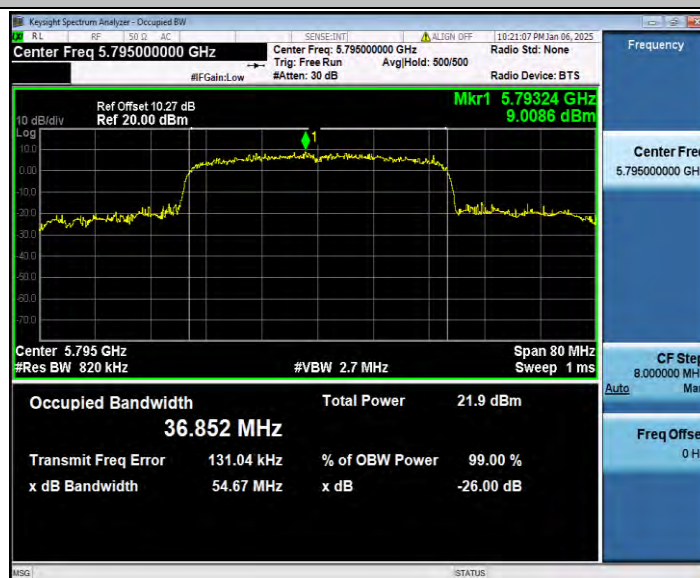
11AX20SISO_Ant0_5825



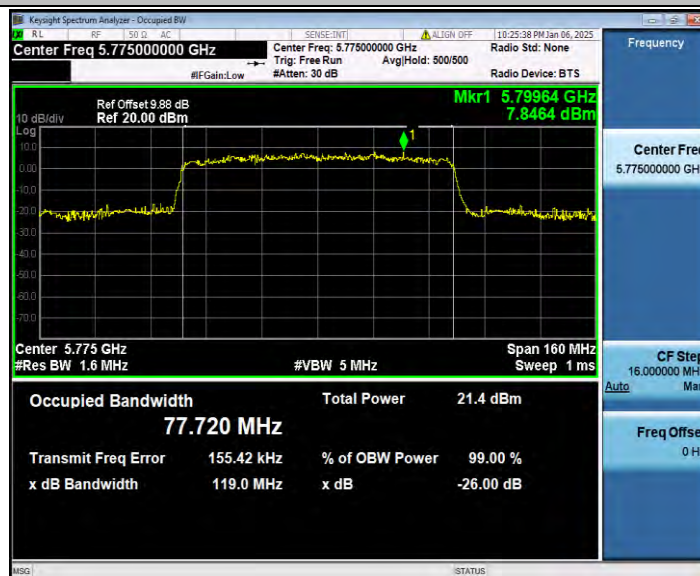
11AX40SISO_Ant0_5755



11AX40ISO_Ant0_5795



11AX80ISO_Ant0_5775



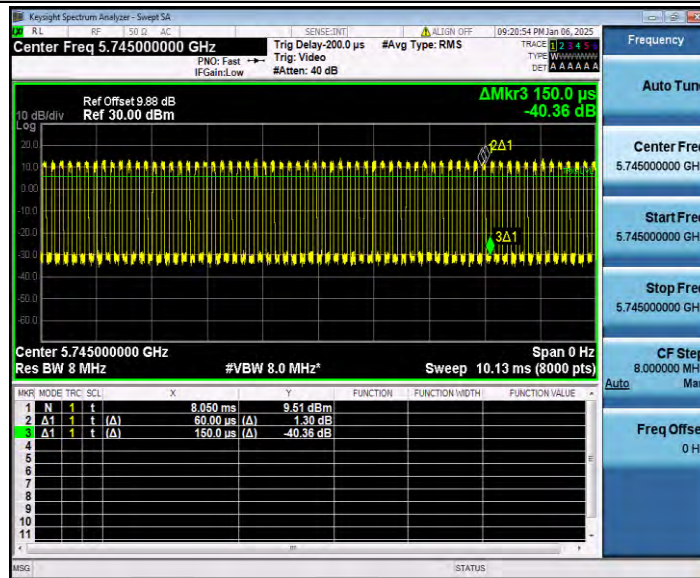
Appendix G.3: Duty Cycle

Test Result

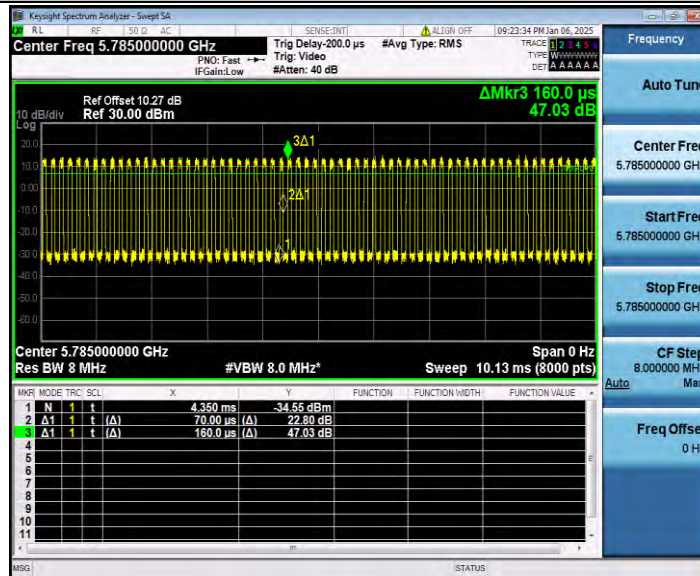
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant0	5745	0.06	0.15	40.00	3.98	16.67
		5785	0.07	0.16	43.75	3.59	14.29
		5825	0.06	0.15	40.00	3.98	16.67
11N20SISO	Ant0	5745	0.08	0.17	47.06	3.27	12.50
		5785	0.08	0.17	47.06	3.27	12.50
		5825	0.08	0.17	47.06	3.27	12.50
11N40SISO	Ant0	5755	0.05	0.14	35.71	4.47	20.00
		5795	0.05	0.14	35.71	4.47	20.00
11AC20SISO	Ant0	5745	0.09	0.18	50.00	3.01	11.11
		5785	0.09	0.18	50.00	3.01	11.11
		5825	0.09	0.18	50.00	3.01	11.11
11AC40SISO	Ant0	5755	0.07	0.16	43.75	3.59	14.29
		5795	0.06	0.15	40.00	3.98	16.67
11AC80SISO	Ant0	5775	0.05	0.14	35.71	4.47	20.00
11AX20SISO	Ant0	5745	0.09	0.18	50.00	3.01	11.11
		5785	0.08	0.17	47.06	3.27	12.50
		5825	0.09	0.18	50.00	3.01	11.11
11AX40SISO	Ant0	5755	0.08	0.17	47.06	3.27	12.50
		5795	0.09	0.18	50.00	3.01	11.11
11AX80SISO	Ant0	5775	0.07	0.16	43.75	3.59	14.29

Test Graphs

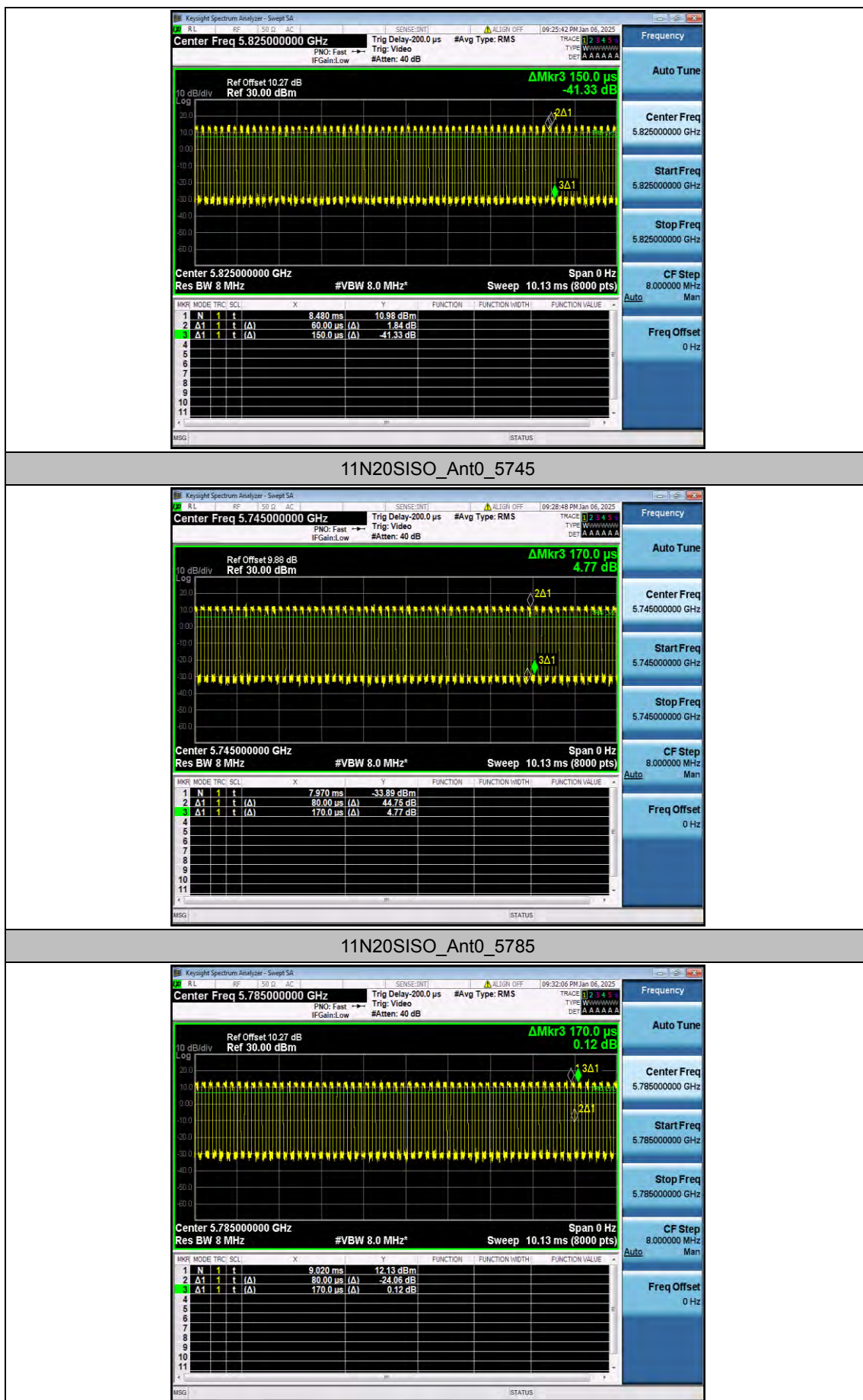
11A_Ant0_5745



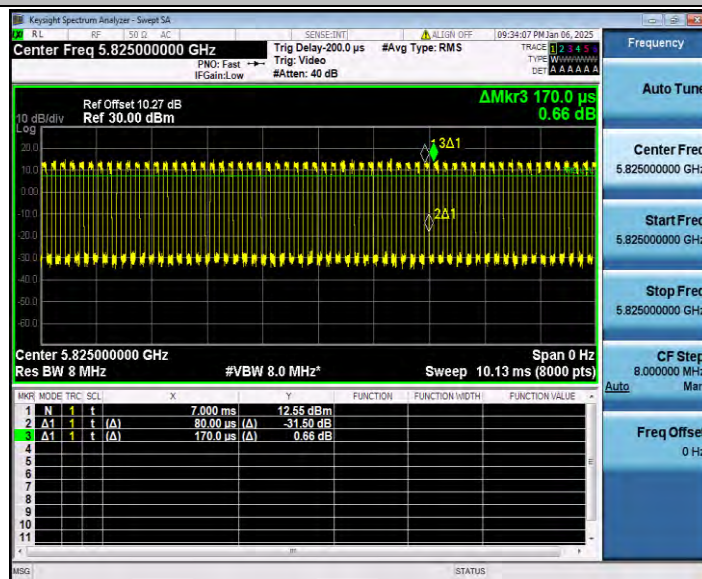
11A_Ant0_5785



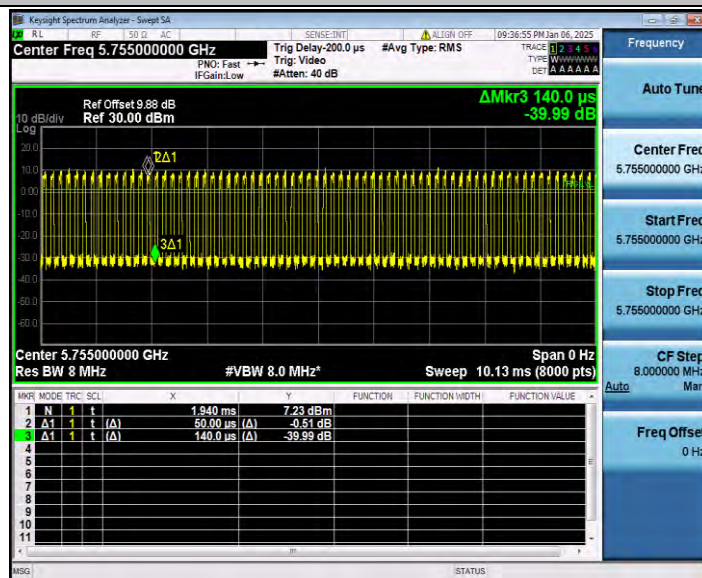
11A_Ant0_5825



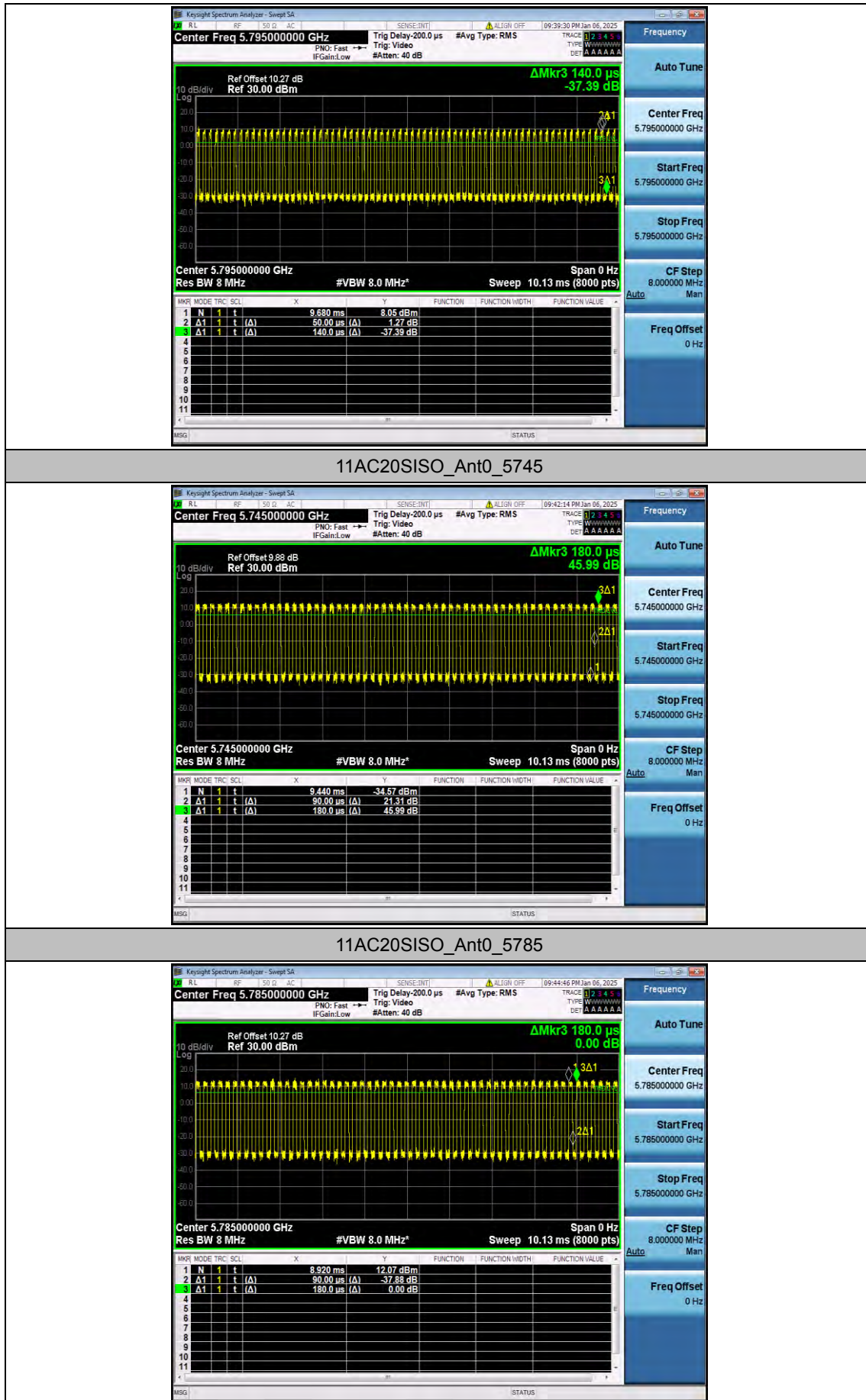
11N20SISO_Ant0_5825



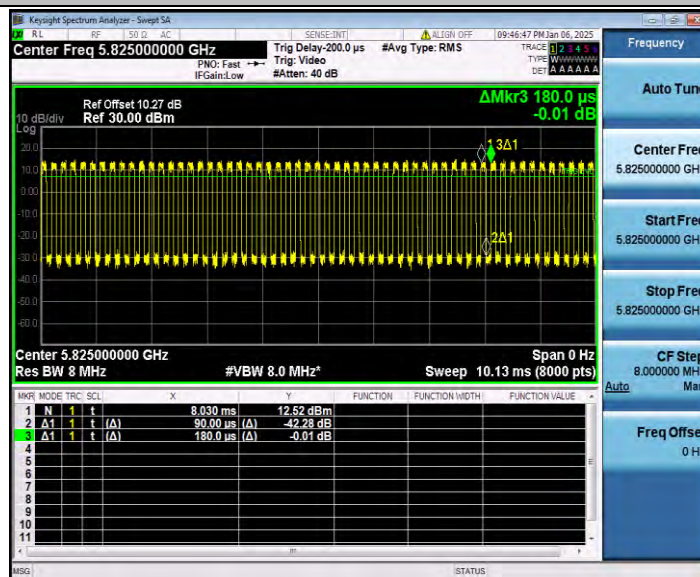
11N40SISO_Ant0_5755



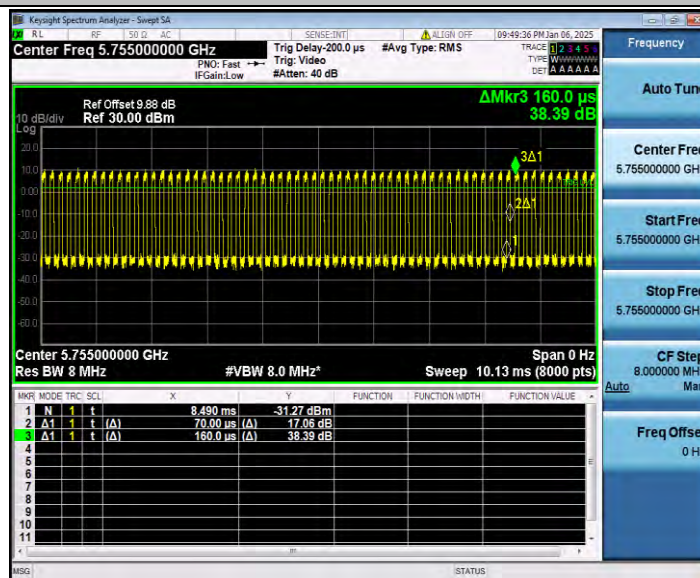
11N40SISO_Ant0_5795



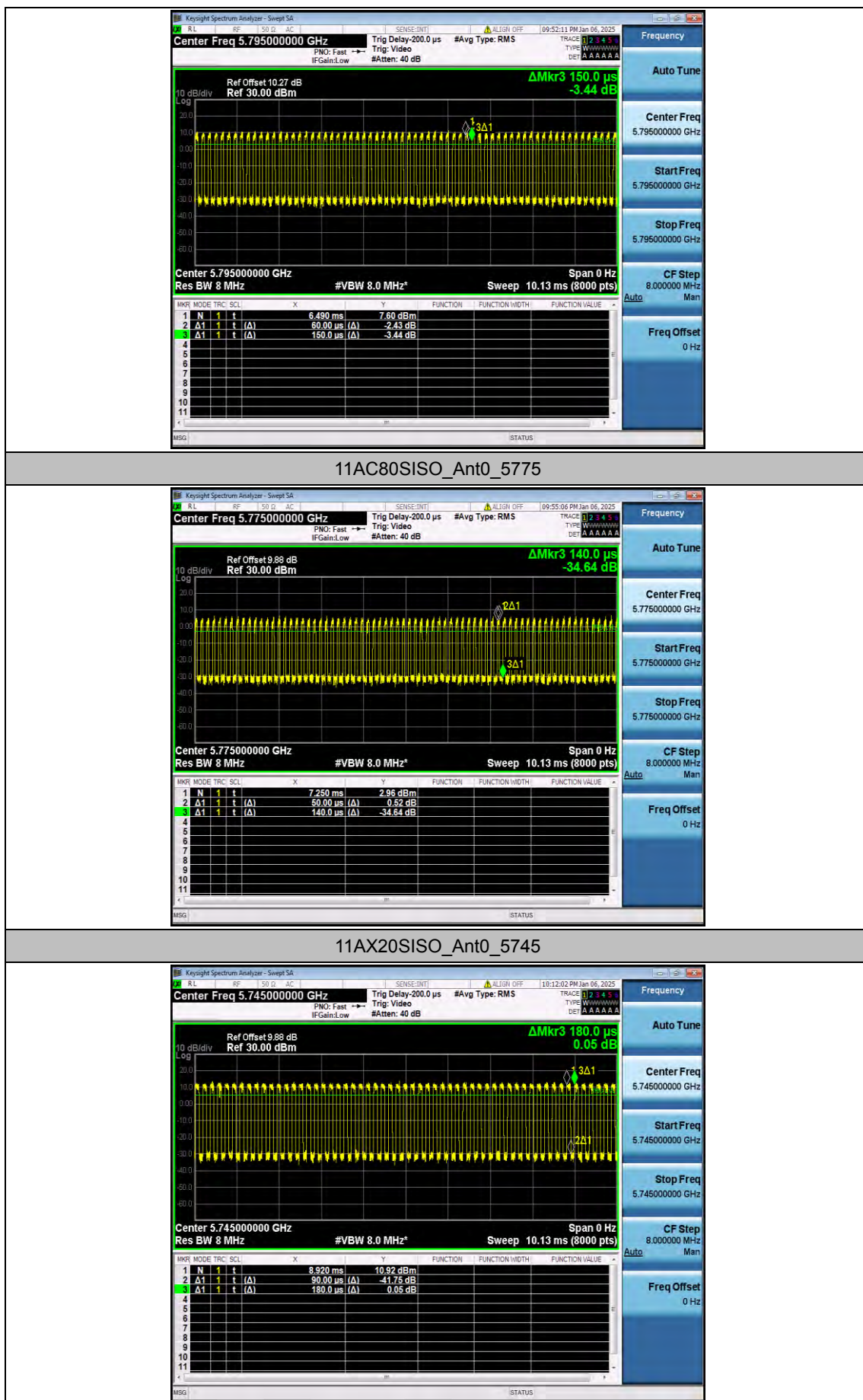
11AC20SISO_Ant0_5825



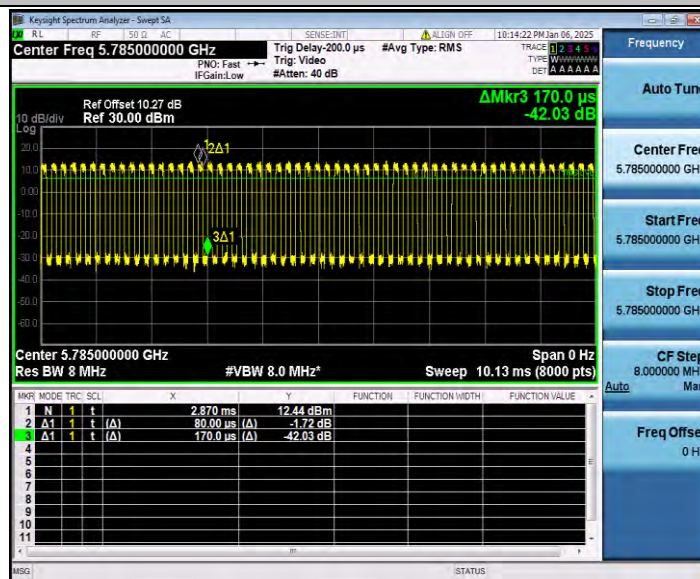
11AC40SISO_Ant0_5755



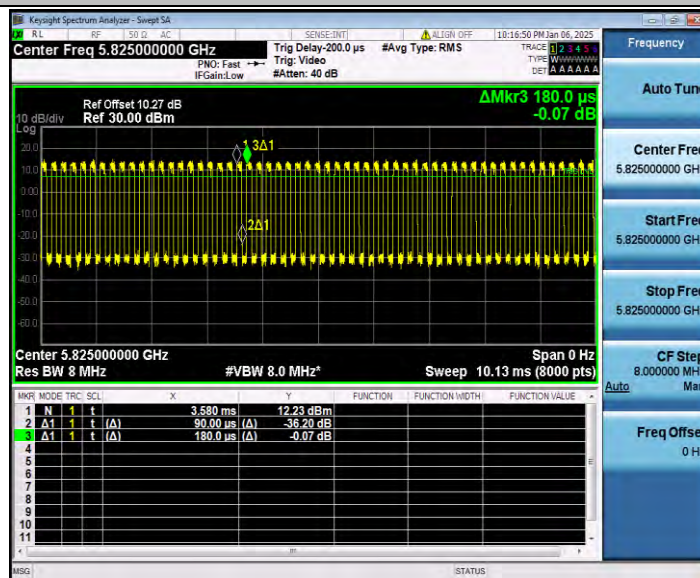
11AC40SISO_Ant0_5795



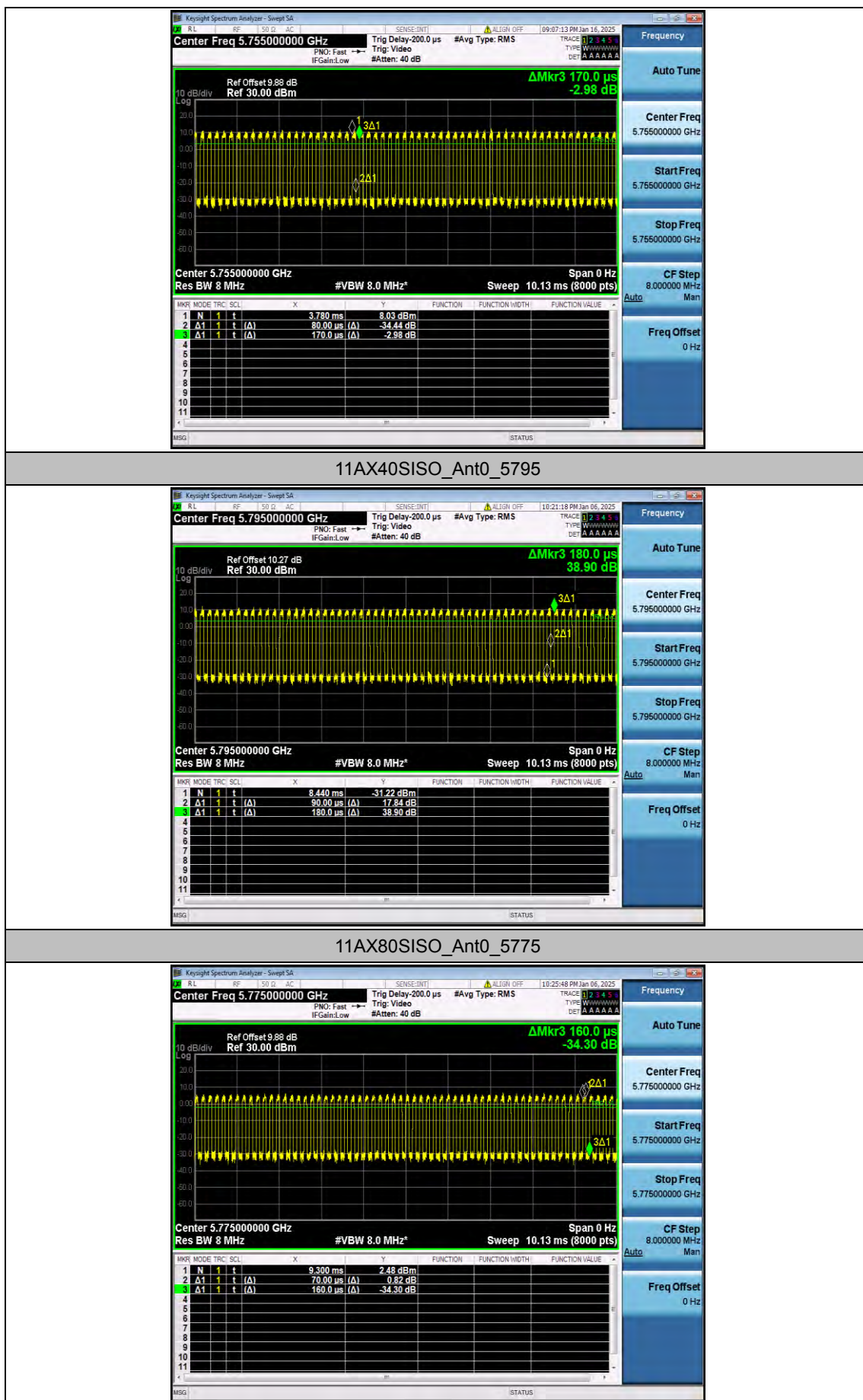
11AX20SISO_Ant0_5785



11AX20SISO_Ant0_5825



11AX40SISO_Ant0_5755



Appendix G.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant0	5745	10.34	40.00	3.98	14.32	≤30.00	PASS
		5785	11.21	43.75	3.59	14.80	≤30.00	PASS
		5825	11.68	40.00	3.98	15.66	≤30.00	PASS
11N20SISO	Ant0	5745	10.57	47.06	3.27	13.84	≤30.00	PASS
		5785	11.49	47.06	3.27	14.76	≤30.00	PASS
		5825	12.03	47.06	3.27	15.30	≤30.00	PASS
11N40SISO	Ant0	5755	9.83	35.71	4.47	14.30	≤30.00	PASS
		5795	10.64	35.71	4.47	15.11	≤30.00	PASS
11AC20SISO	Ant0	5745	10.80	50.00	3.01	13.81	≤30.00	PASS
		5785	11.72	50.00	3.01	14.73	≤30.00	PASS
		5825	12.20	50.00	3.01	15.21	≤30.00	PASS
11AC40SISO	Ant0	5755	10.22	43.75	3.59	13.81	≤30.00	PASS
		5795	11.00	40.00	3.98	14.98	≤30.00	PASS
11AC80SISO	Ant0	5775	9.40	35.71	4.47	13.87	≤30.00	PASS
11AX20SISO	Ant0	5745	10.64	50.00	3.01	13.65	≤30.00	PASS
		5785	11.51	47.06	3.27	14.78	≤30.00	PASS
		5825	12.04	50.00	3.01	15.05	≤30.00	PASS
11AX40SISO	Ant0	5755	10.56	47.06	3.27	13.83	≤30.00	PASS
		5795	11.30	50.00	3.01	14.31	≤30.00	PASS
11AX80SISO	Ant0	5775	10.11	43.75	3.59	13.70	≤30.00	PASS

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5745	1.80	≤30.00	PASS
		5785	2.34	≤30.00	PASS
		5825	3.19	≤30.00	PASS
11N20SISO	Ant0	5745	1.18	≤30.00	PASS
		5785	2.04	≤30.00	PASS
		5825	2.75	≤30.00	PASS
11N40SISO	Ant0	5755	0.22	≤30.00	PASS
		5795	0.89	≤30.00	PASS
11AC20SISO	Ant0	5745	1.26	≤30.00	PASS
		5785	2.09	≤30.00	PASS
		5825	2.68	≤30.00	PASS
11AC40SISO	Ant0	5755	-0.37	≤30.00	PASS
		5795	0.64	≤30.00	PASS
11AC80SISO	Ant0	5775	-4.52	≤30.00	PASS
11AX20SISO	Ant0	5745	0.96	≤30.00	PASS
		5785	2.16	≤30.00	PASS
		5825	2.45	≤30.00	PASS
11AX40SISO	Ant0	5755	-5.13	≤30.00	PASS
		5795	-0.76	≤30.00	PASS
11AX80SISO	Ant0	5775	-5.02	≤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_Ant0_5745



11A_Ant0_5785



11A_Ant0_5825



11N20SISO_Ant0_5745



11N20SISO_Ant0_5785



11N20SISO_Ant0_5825



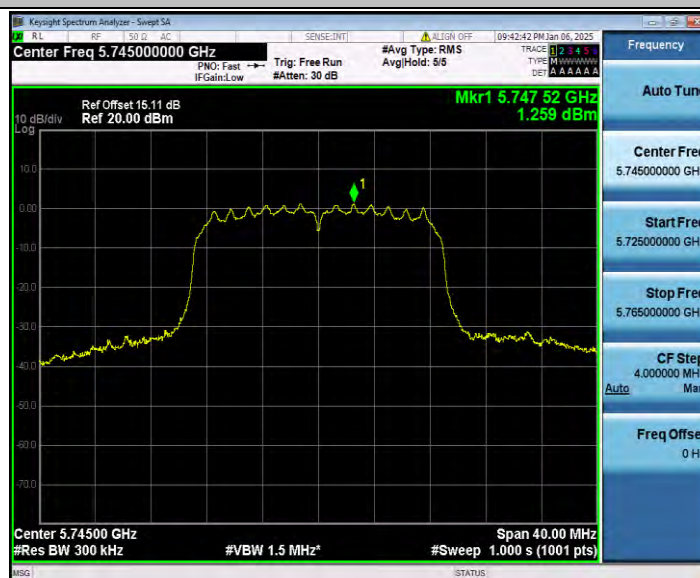
11N40SISO_Ant0_5755



11N40SISO_Ant0_5795



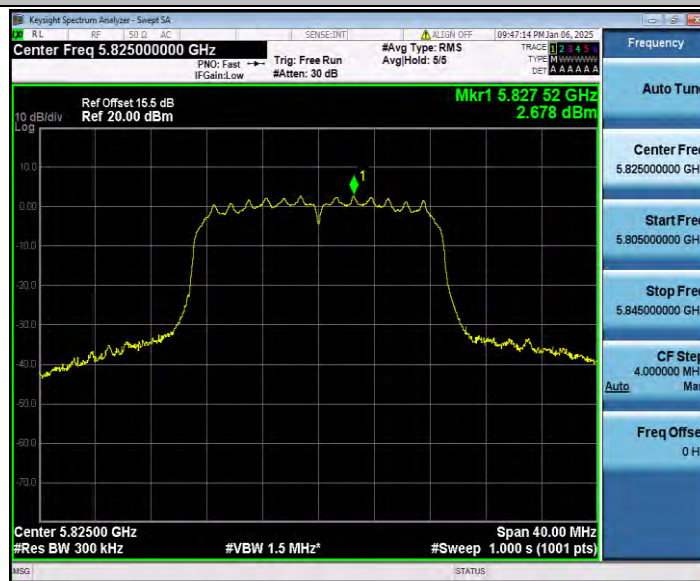
11AC20SISO_Ant0_5745



11AC20SISO_Ant0_5785



11AC20SISO_Ant0_5825



11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775



11AX20SISO_Ant0_5745



11AX20SISO_Ant0_5785



11AX20SISO_Ant0_5825



11AX40SISO_Ant0_5755

