

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>2025.1.3</u>	Test Engineer: <u>Evan ouyang</u>

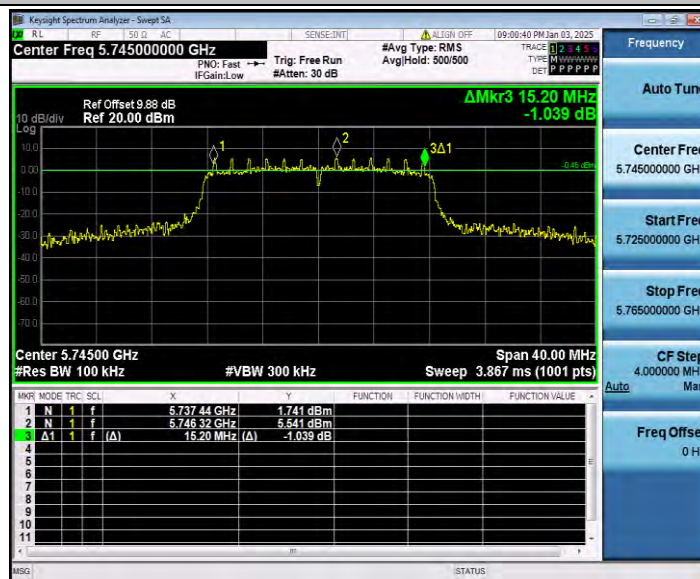
Appendix G.1: Min emission bandwidth

Test Result B4

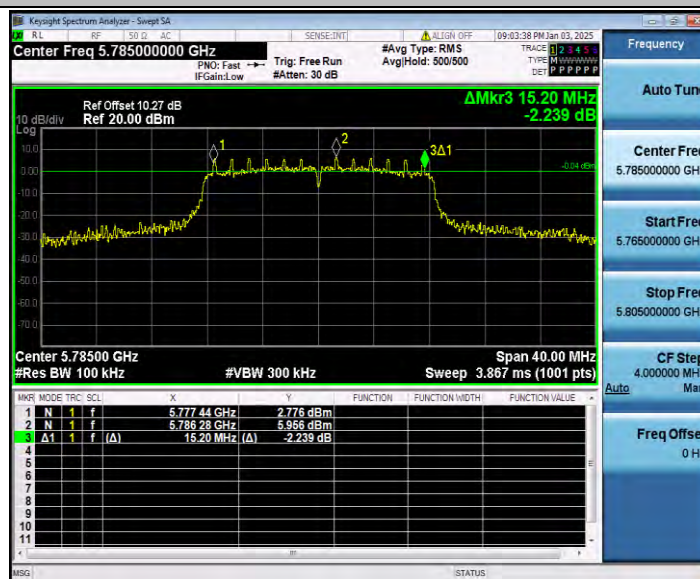
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.200	5737.440	5752.640	0.5	PASS
		5785	15.200	5777.440	5792.640	0.5	PASS
		5825	15.200	5817.440	5832.640	0.5	PASS
11N20SISO	Ant1	5745	15.200	5737.440	5752.640	0.5	PASS
		5785	15.200	5777.440	5792.640	0.5	PASS
		5825	15.200	5817.440	5832.640	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	15.200	5737.440	5752.640	0.5	PASS
		5785	15.160	5777.440	5792.600	0.5	PASS
		5825	15.200	5817.440	5832.640	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS
11AX20SISO	Ant1	5745	15.200	5737.440	5752.640	0.5	PASS
		5785	15.160	5777.440	5792.600	0.5	PASS
		5825	15.280	5817.440	5832.720	0.5	PASS
11AX40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AX80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

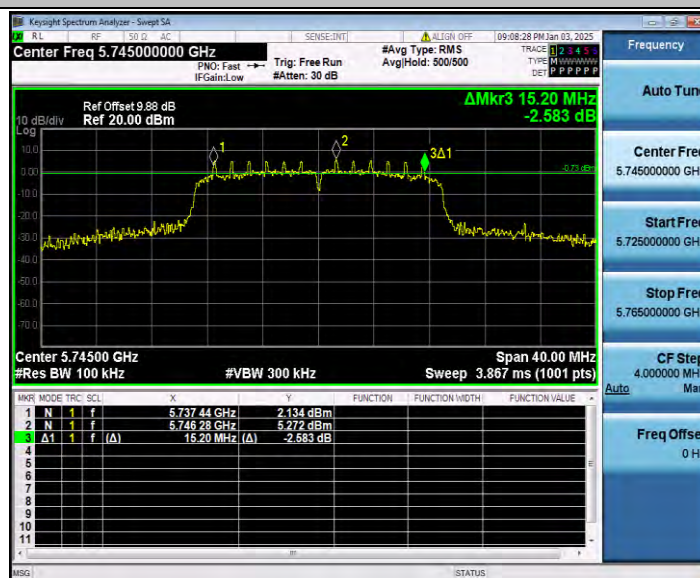
11A_Ant1_5745



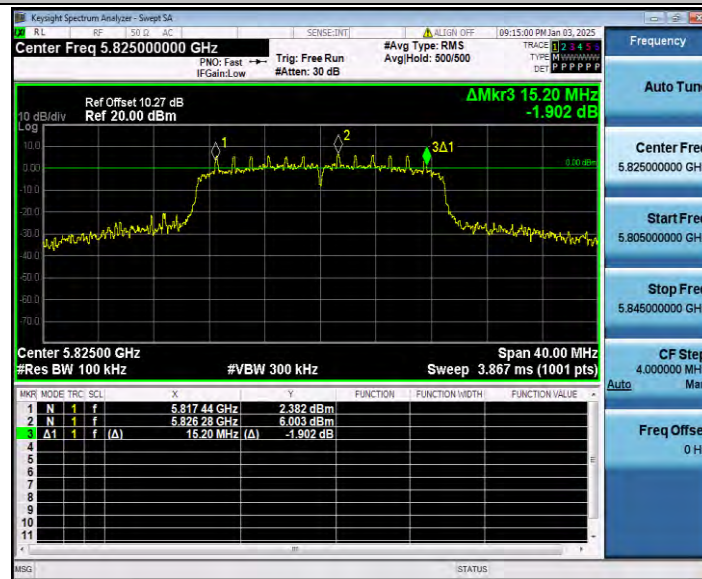
11A_Ant1_5785



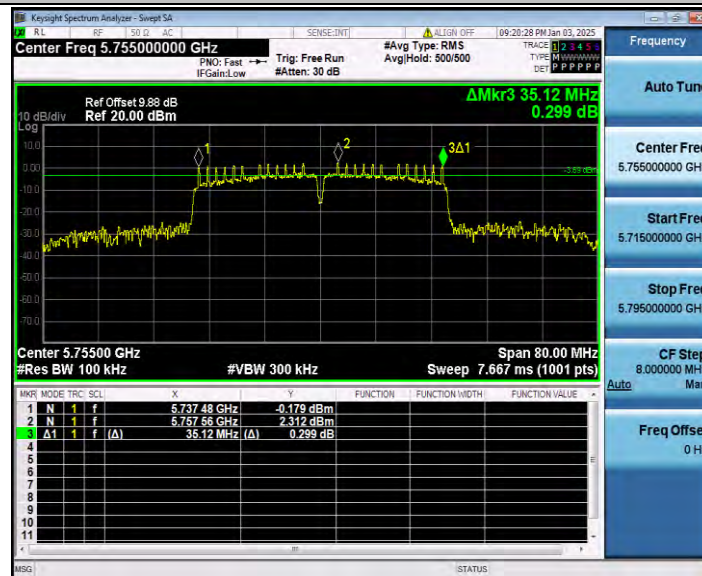
11A_Ant1_5825



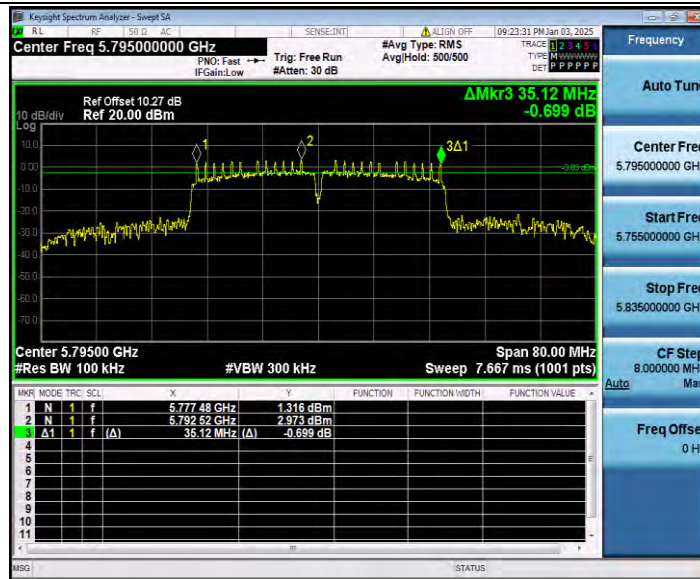
11N20SISO_Ant1_5825



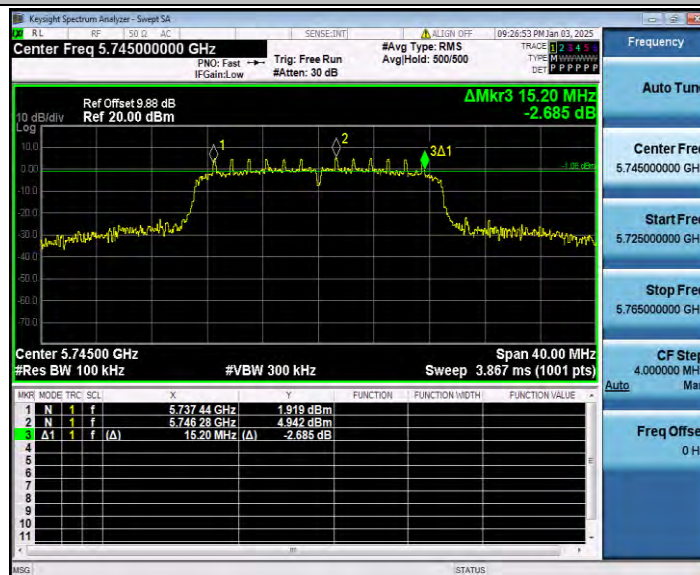
11N40SISO_Ant1_5755



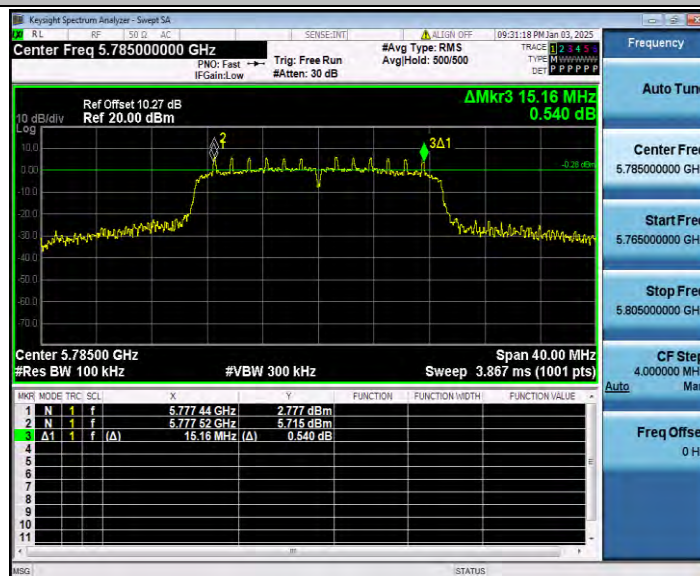
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



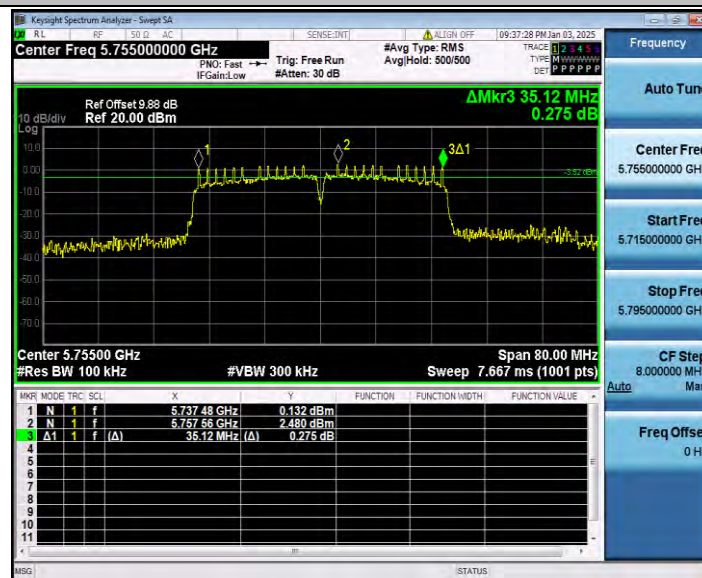
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



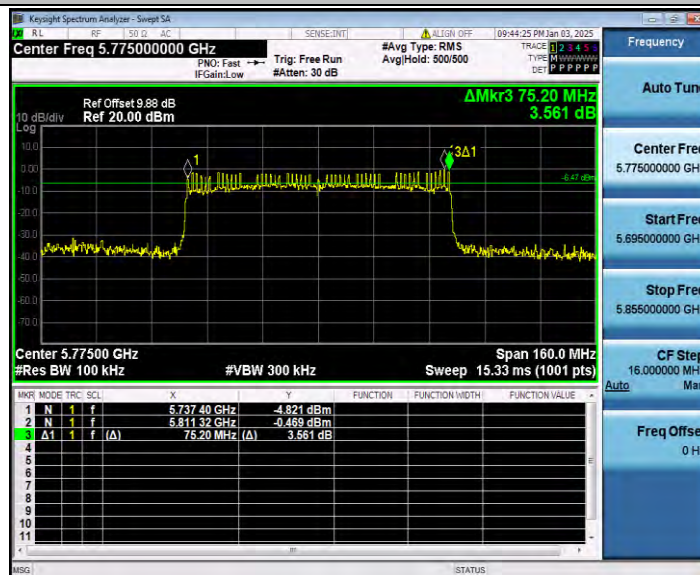
11AC40SISO_Ant1_5755



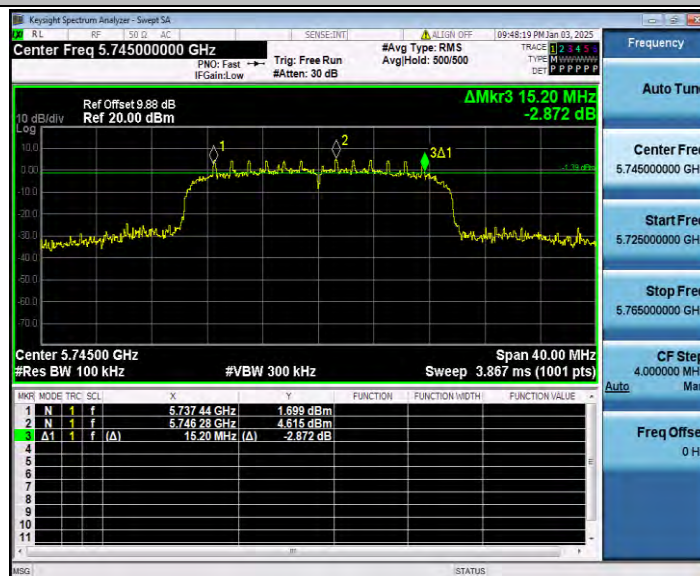
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



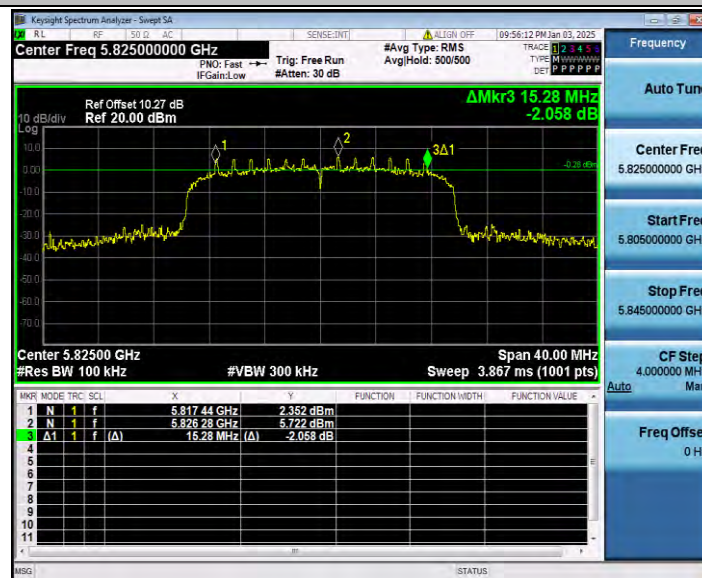
11AX20SISO_Ant1_5745



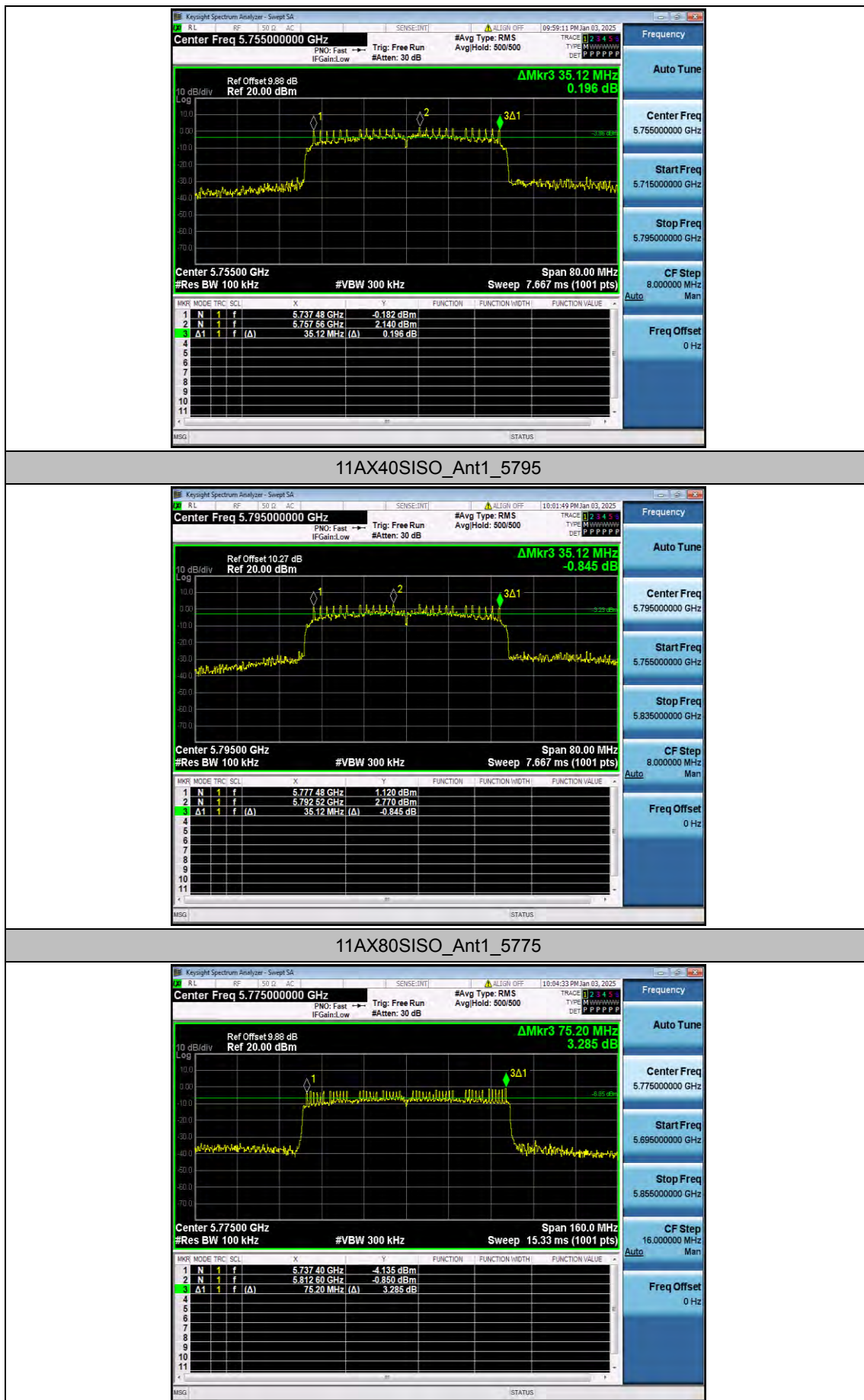
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



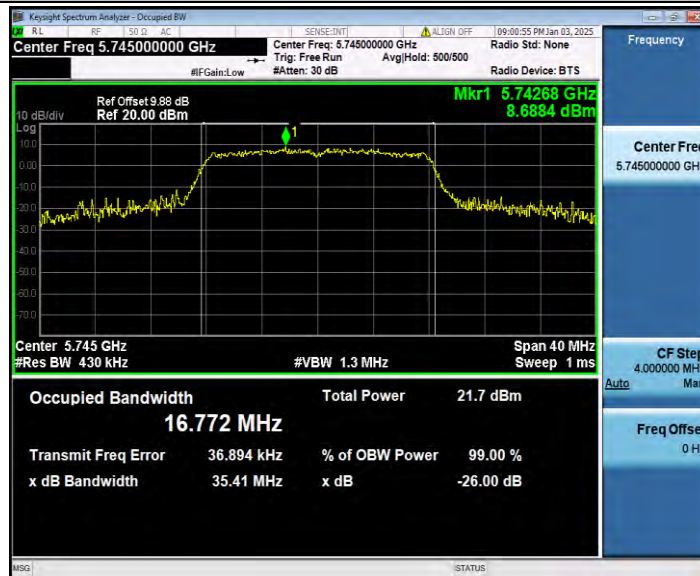
Appendix G.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.772	5736.6509	5753.4229	---	---
		5785	16.801	5776.6257	5793.4267	---	---
		5825	16.635	5816.7429	5833.3779	---	---
11N20SISO	Ant1	5745	17.716	5736.1897	5753.9057	---	---
		5785	17.635	5776.2216	5793.8566	---	---
		5825	17.571	5816.2502	5833.8212	---	---
11N40SISO	Ant1	5755	39.428	5736.4846	5775.9126	---	---
		5795	42.914	5776.2751	5819.1891	---	---
11AC20SISO	Ant1	5745	17.671	5736.1802	5753.8512	---	---
		5785	17.634	5776.2071	5793.8411	---	---
		5825	17.545	5816.2511	5833.7961	---	---
11AC40SISO	Ant1	5755	36.100	5737.2407	5773.3407	---	---
		5795	36.319	5777.1371	5813.4561	---	---
11AC80SISO	Ant1	5775	75.834	5737.4867	5813.3207	---	---
11AX20SISO	Ant1	5745	18.436	5735.8220	5754.2580	---	---
		5785	18.412	5775.8487	5794.2607	---	---
		5825	18.336	5815.8722	5834.2082	---	---
11AX40SISO	Ant1	5755	36.799	5736.7510	5773.5500	---	---
		5795	36.860	5776.7083	5813.5683	---	---
11AX80SISO	Ant1	5775	77.375	5736.4749	5813.8499	---	---

Test Graphs

11A_Ant1_5745



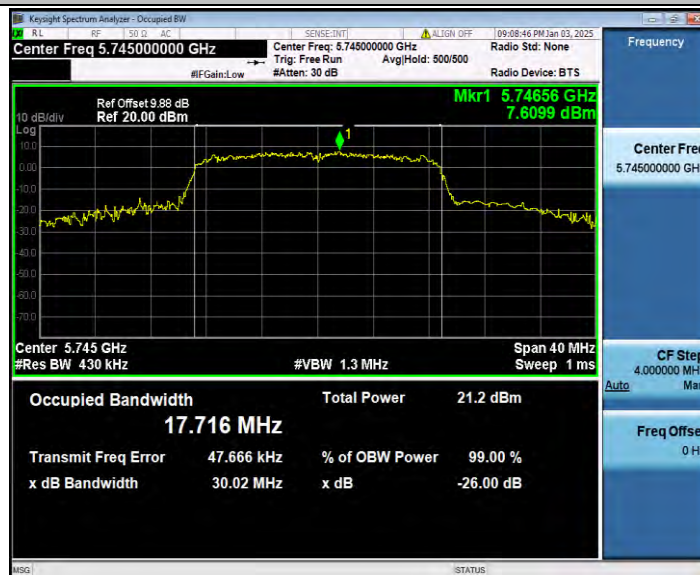
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



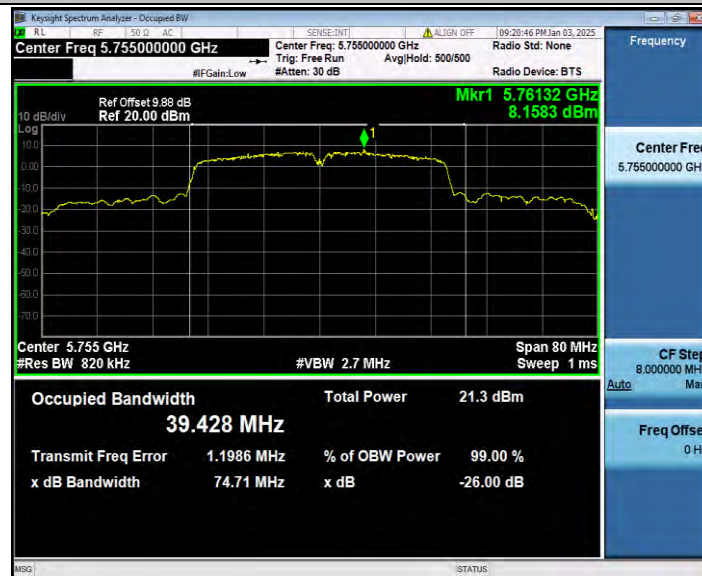
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



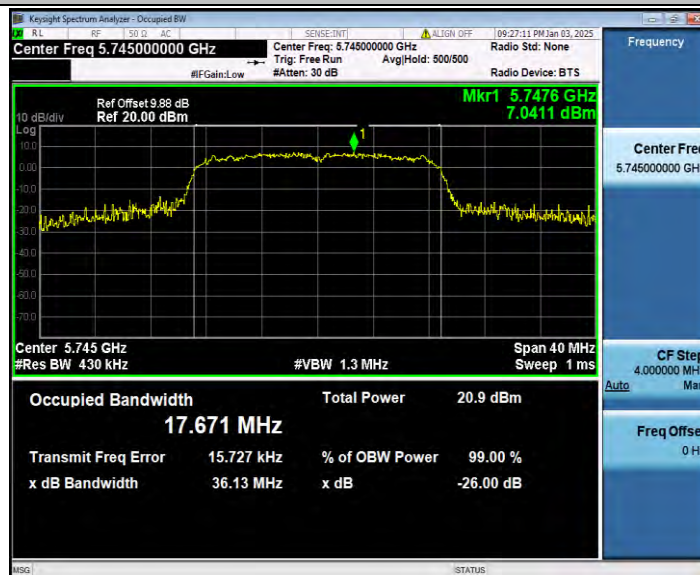
11N40SISO_Ant1_5755



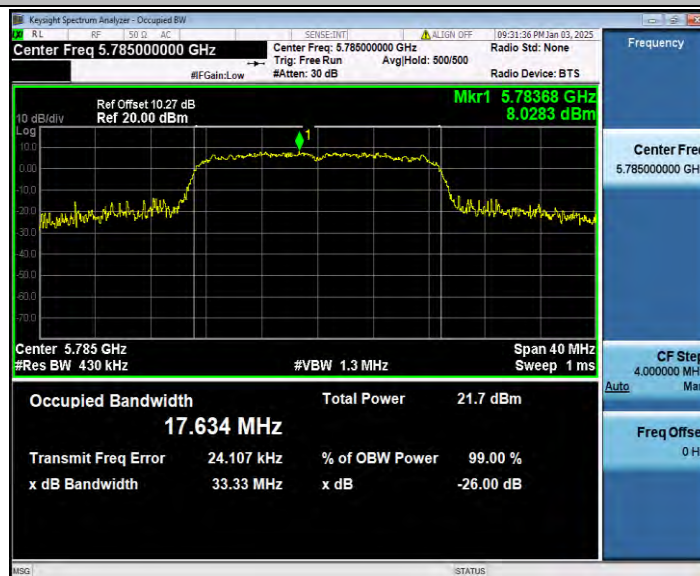
11N40SISO_Ant1_5795



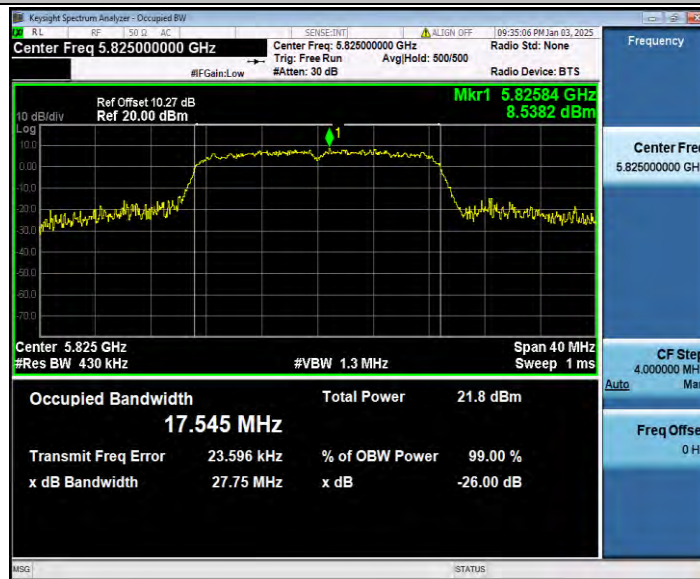
11AC20SISO_Ant1_5745



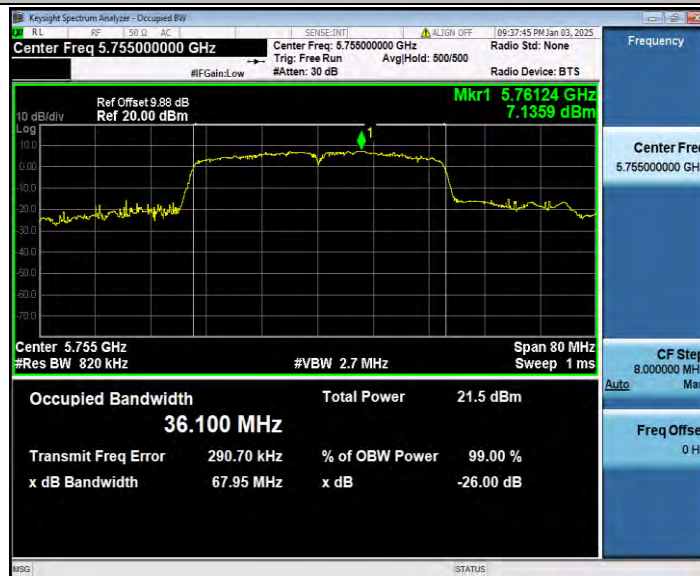
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



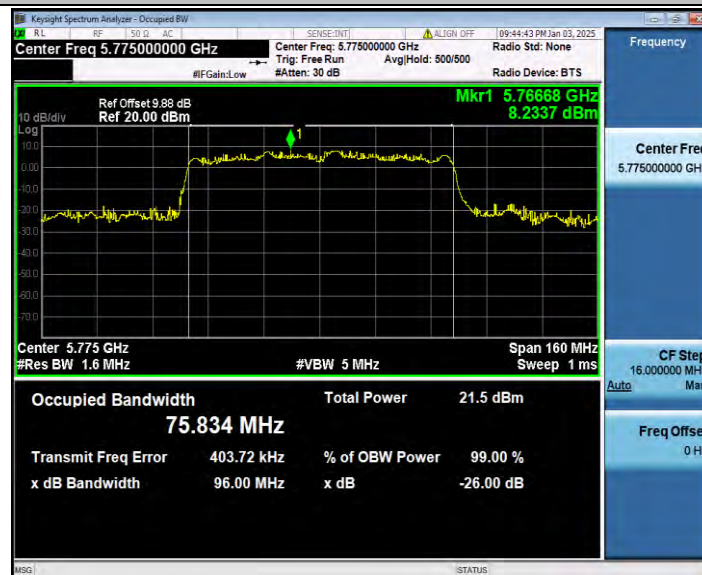
11AC40SISO_Ant1_5755



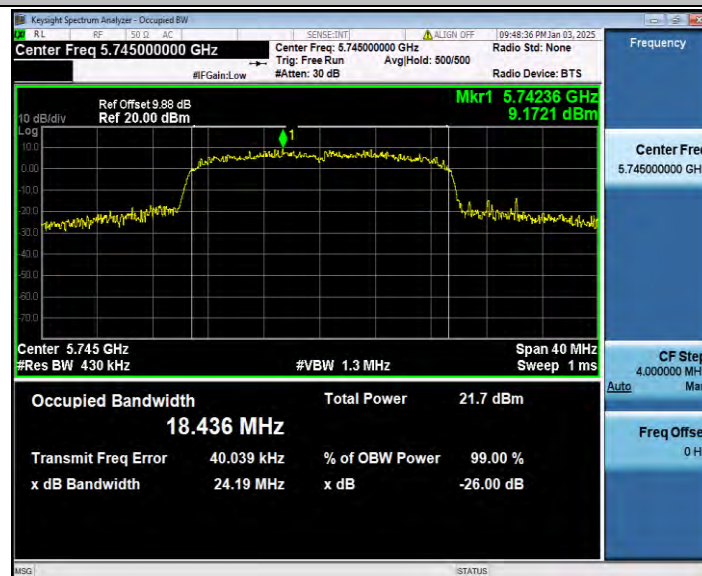
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



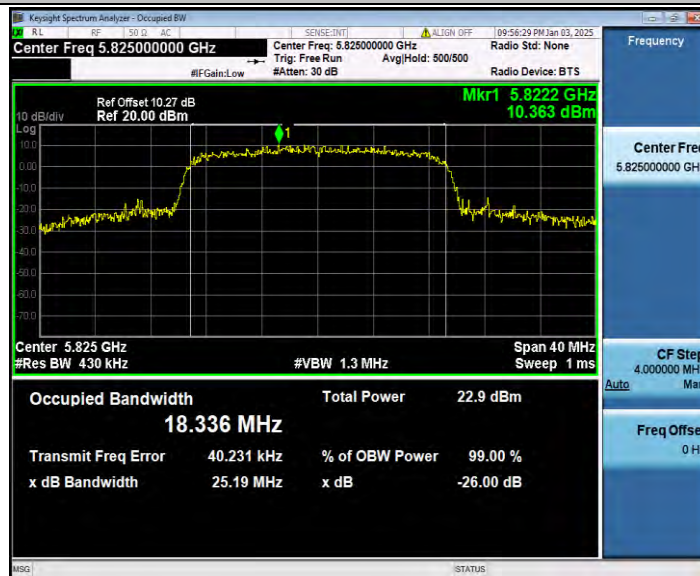
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



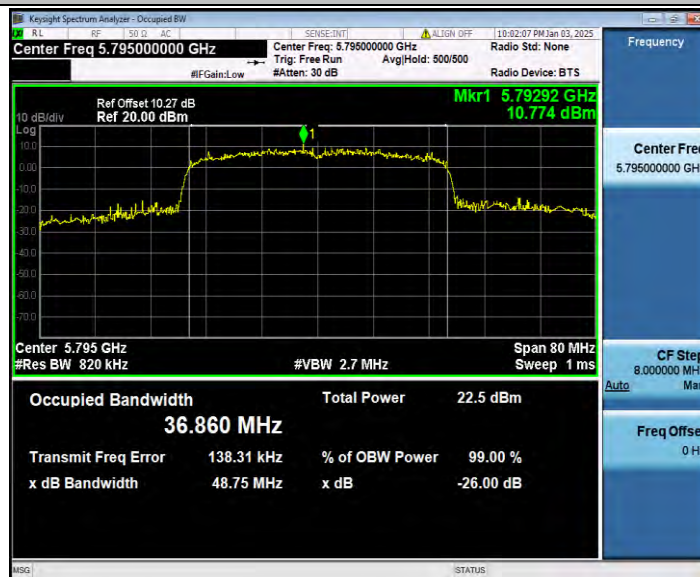
11AX20SISO_Ant1_5825



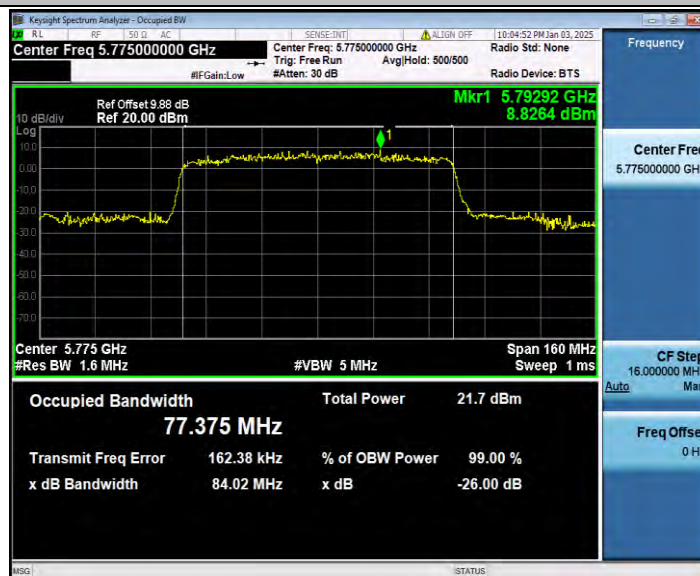
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

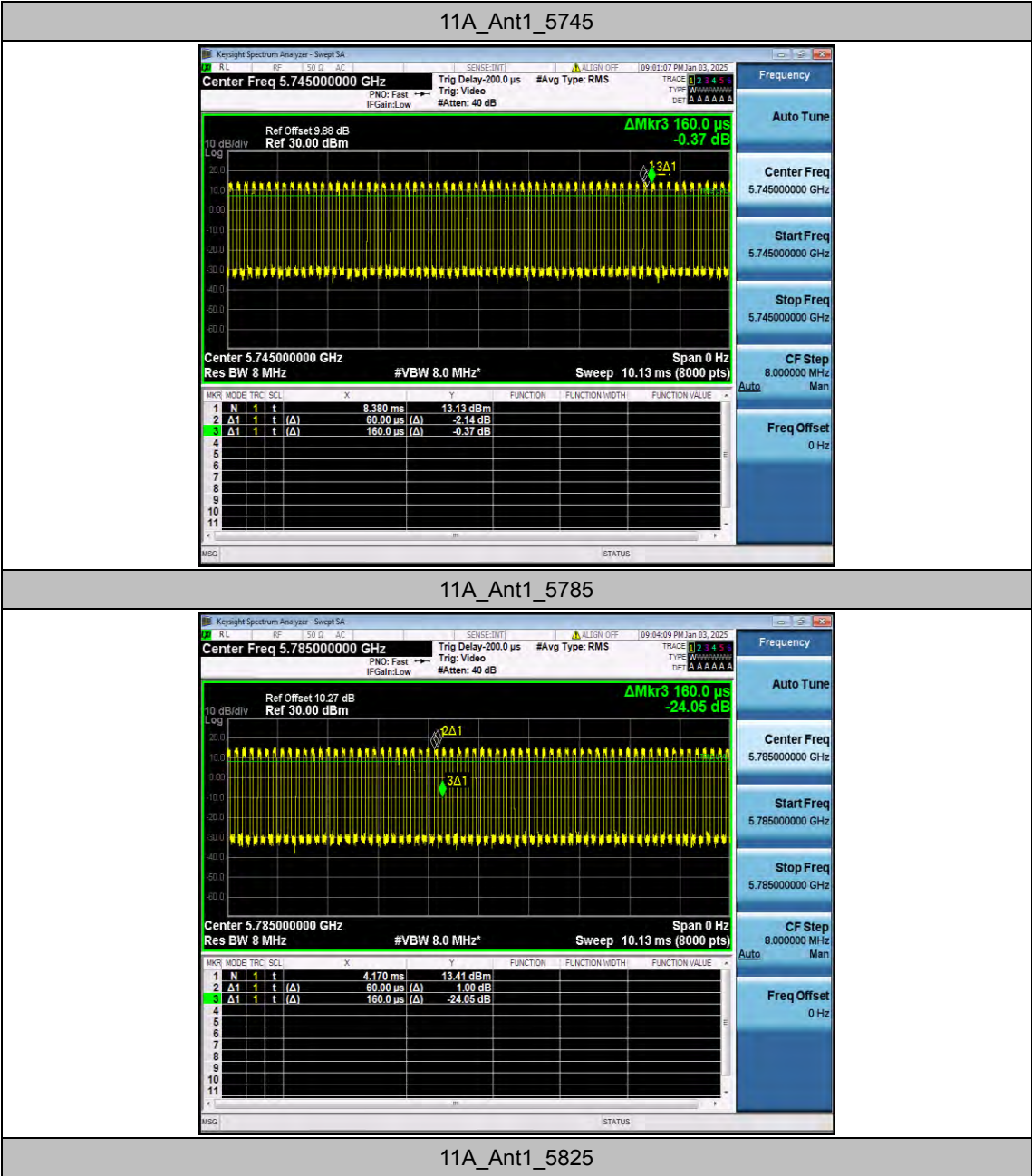


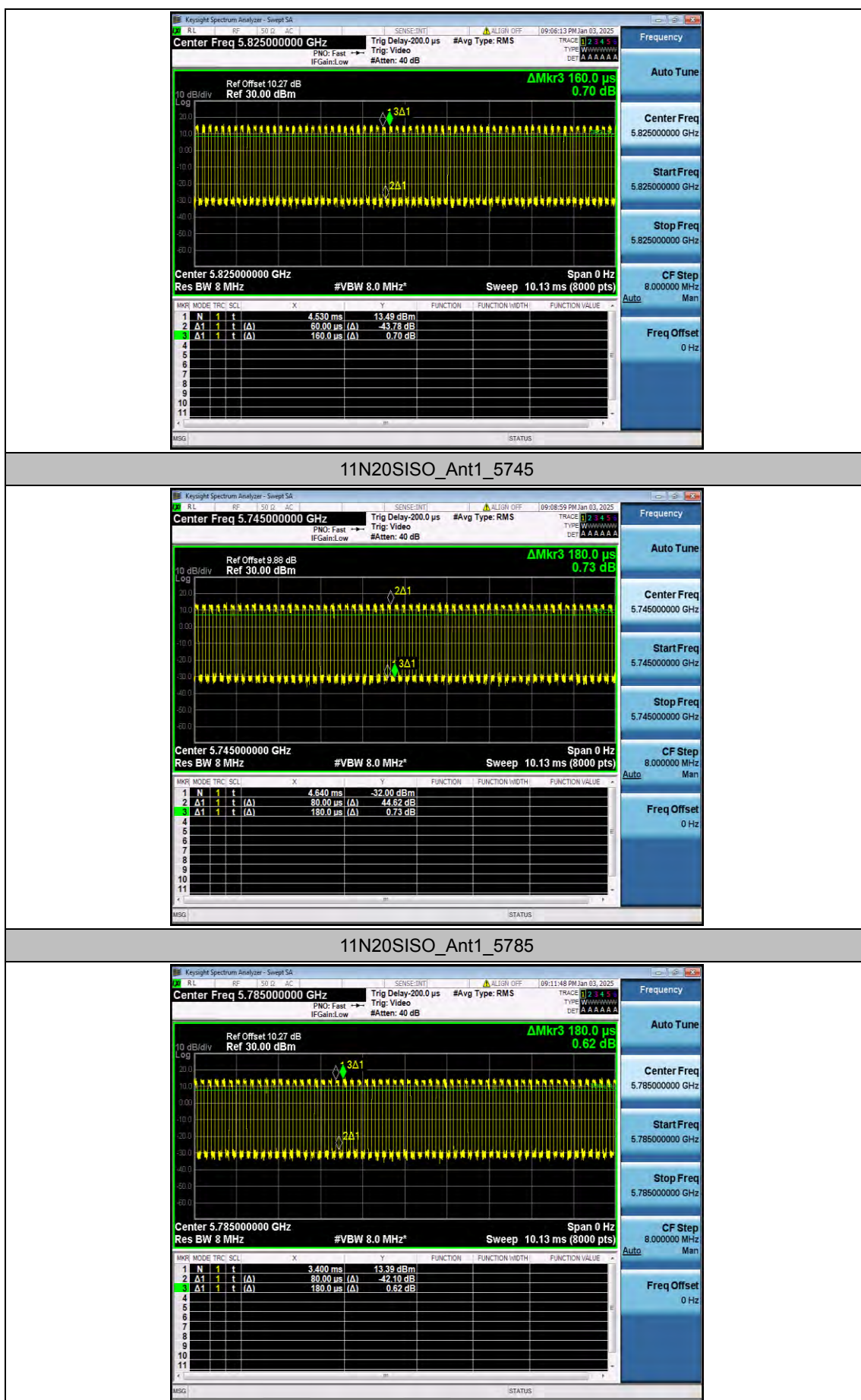
Appendix G.3: Duty Cycle

Test Result

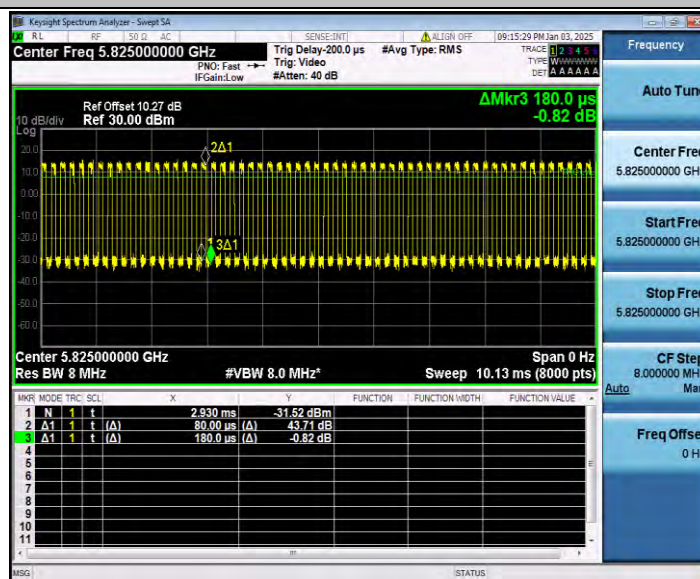
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	0.06	0.16	37.50	4.26	16.67
		5785	0.06	0.16	37.50	4.26	16.67
		5825	0.06	0.16	37.50	4.26	16.67
11N20SISO	Ant1	5745	0.08	0.18	44.44	3.52	12.50
		5785	0.08	0.18	44.44	3.52	12.50
		5825	0.08	0.18	44.44	3.52	12.50
11N40SISO	Ant1	5755	0.06	0.16	37.50	4.26	16.67
		5795	0.05	0.15	33.33	4.77	20.00
11AC20SISO	Ant1	5745	0.09	0.19	47.37	3.24	11.11
		5785	0.09	0.19	47.37	3.24	11.11
		5825	0.09	0.19	47.37	3.24	11.11
11AC40SISO	Ant1	5755	0.06	0.16	37.50	4.26	16.67
		5795	0.06	0.15	40.00	3.98	16.67
11AC80SISO	Ant1	5775	0.06	0.15	40.00	3.98	16.67
11AX20SISO	Ant1	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	0.19	47.37	3.24	11.11
11AX40SISO	Ant1	5755	0.08	0.17	47.06	3.27	12.50
		5795	0.08	0.17	47.06	3.27	12.50
11AX80SISO	Ant1	5775	0.07	0.16	43.75	3.59	14.29

Test Graphs

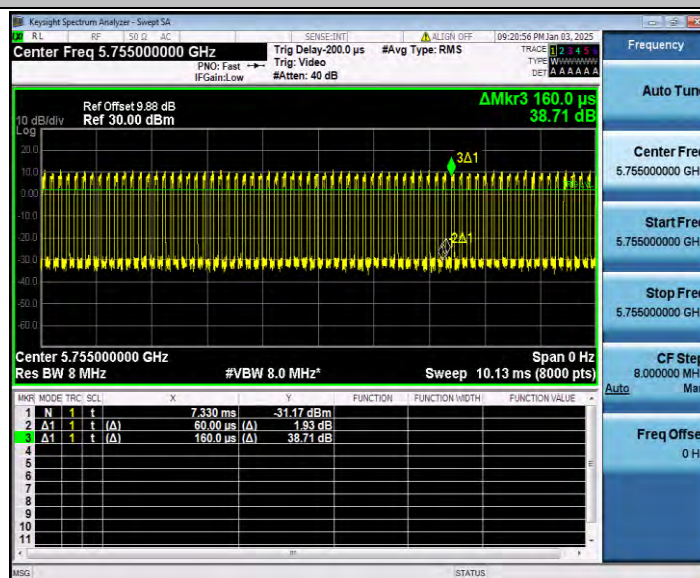




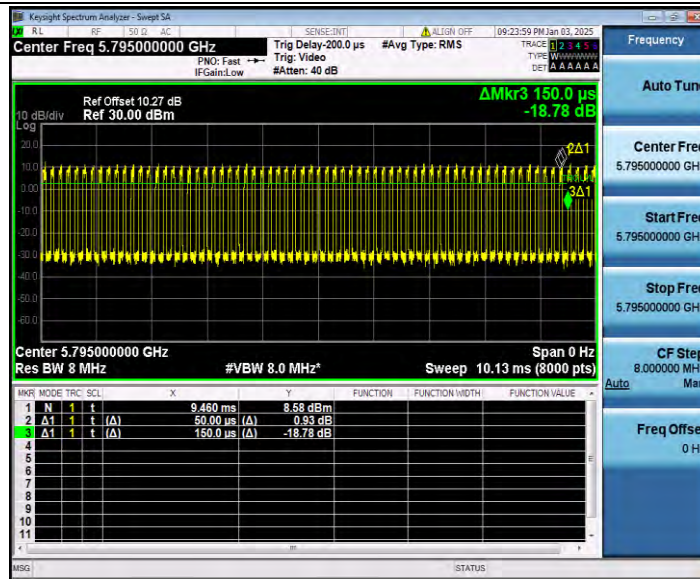
11N20SISO Ant1 5825



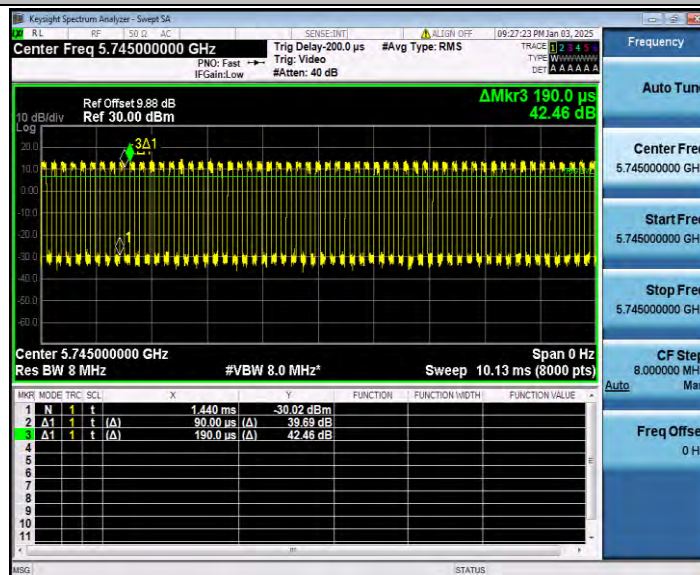
11N40SISO Ant1 5755



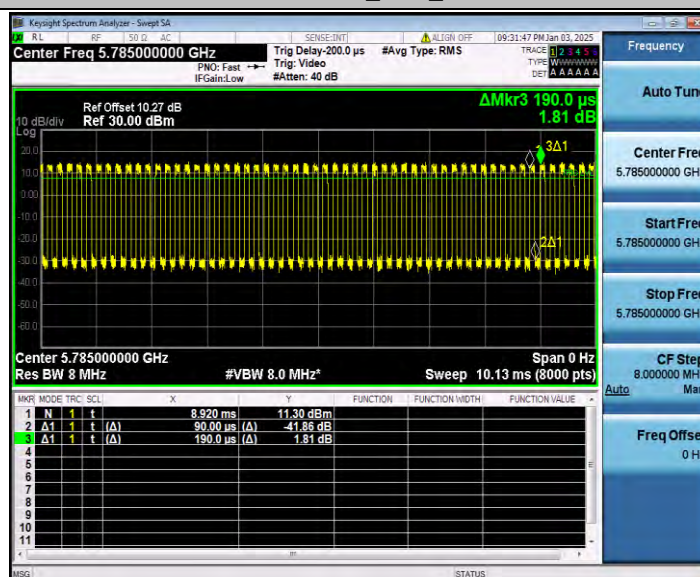
11N40SISO Ant1 5795



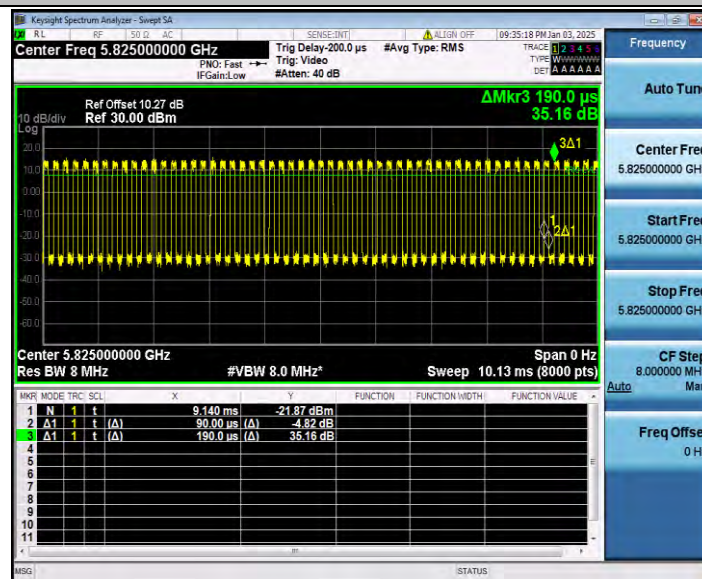
11AC20SISO_Ant1_5745



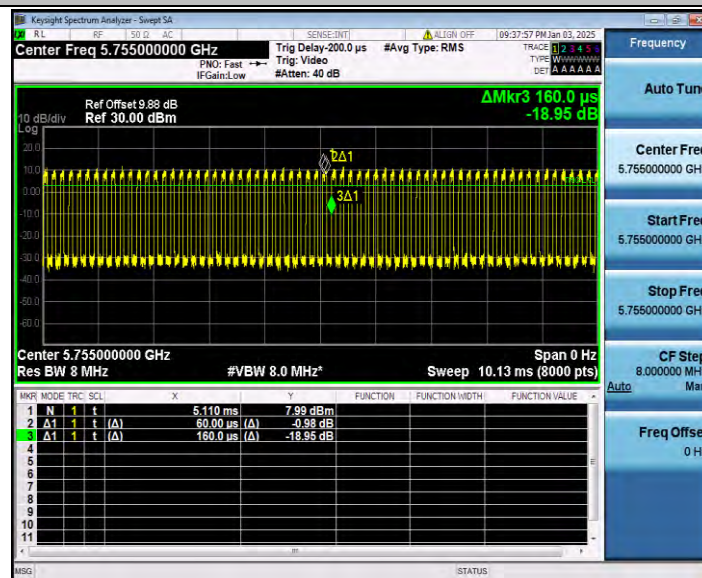
11AC20SISO_Ant1_5785



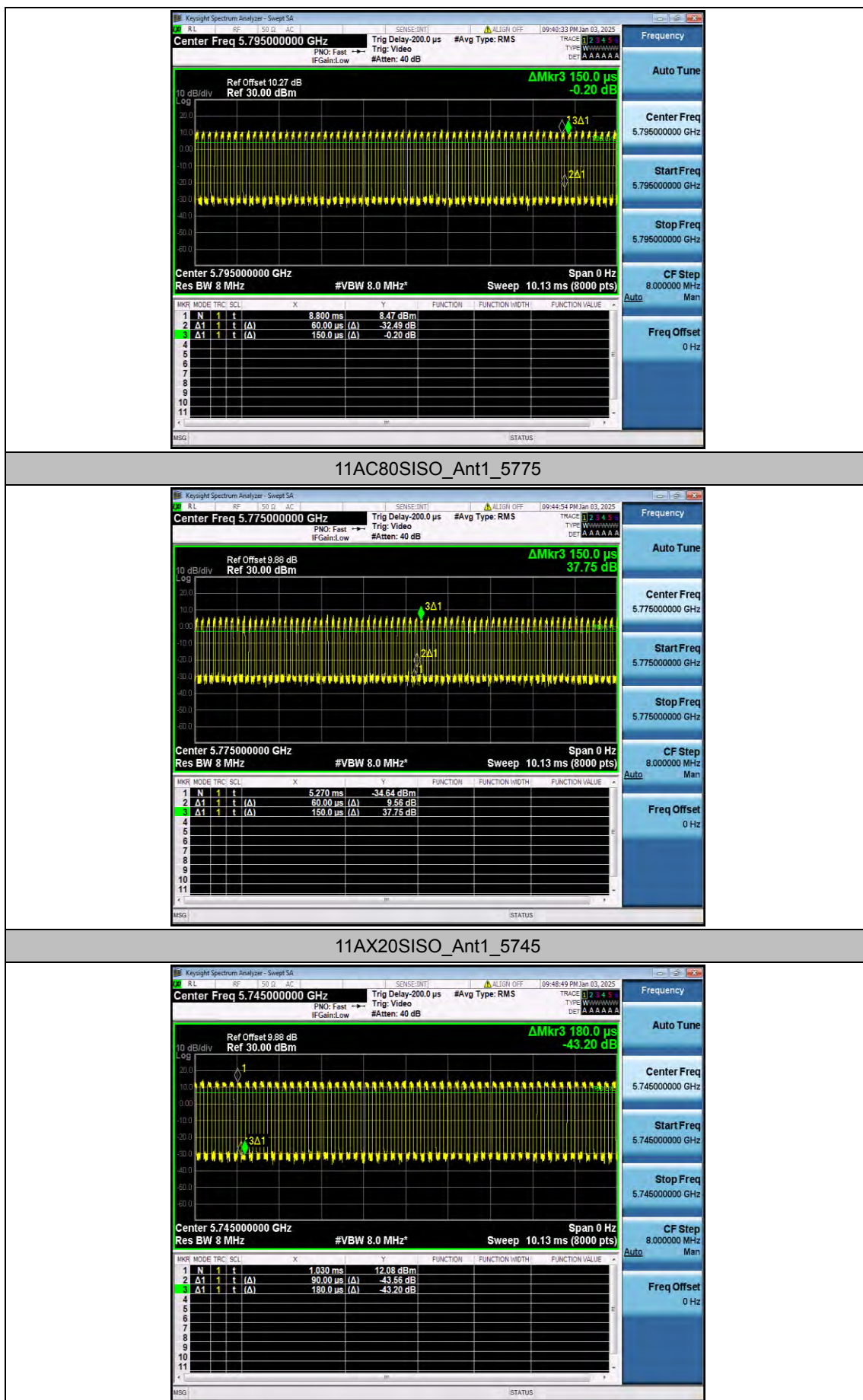
11AC20SISO_Ant1_5825



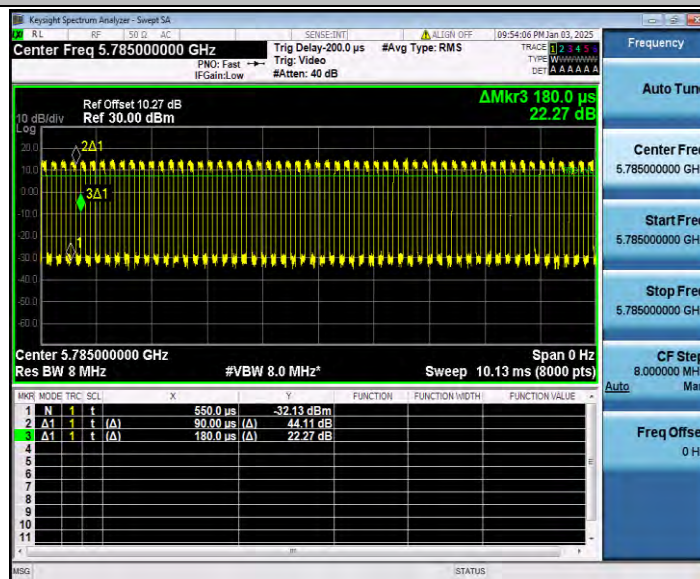
11AC40SISO_Ant1_5755



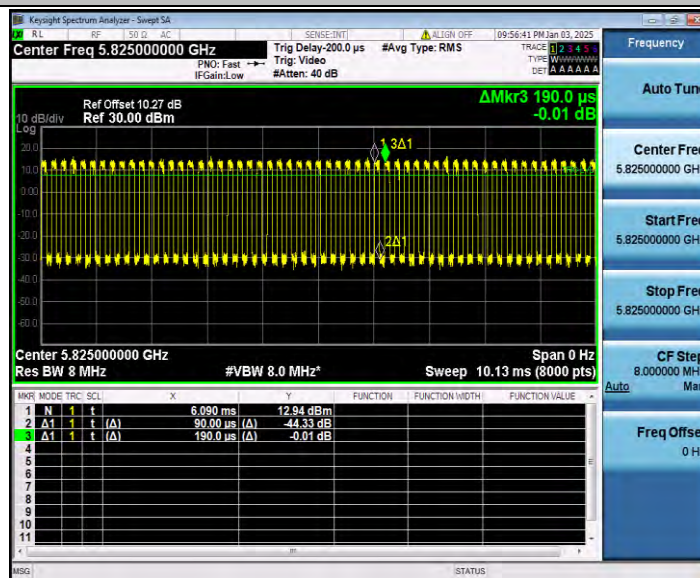
11AC40SISO_Ant1_5795



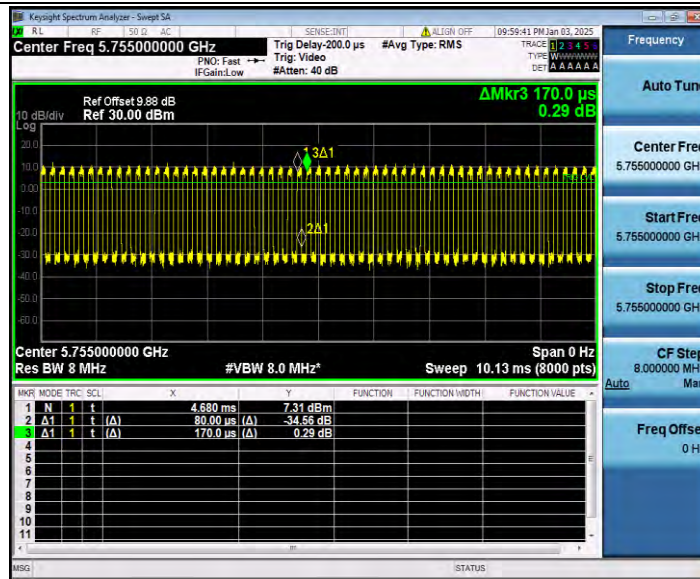
11AX20SISO_Ant1_5785



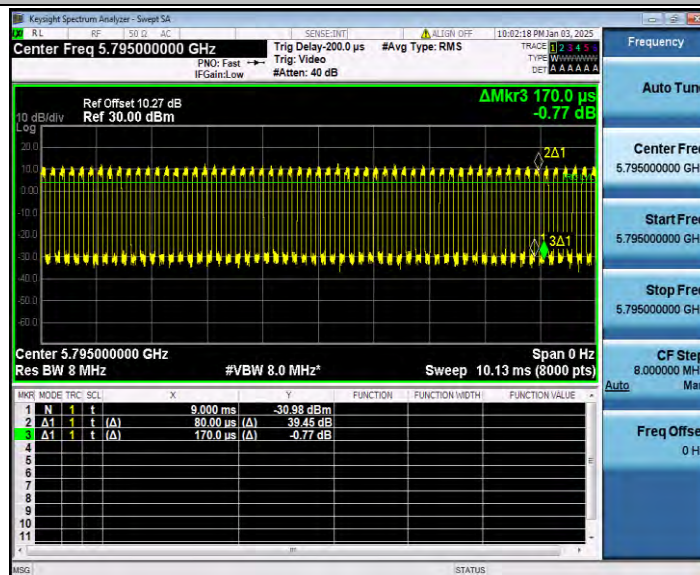
11AX20SISO_Ant1_5825



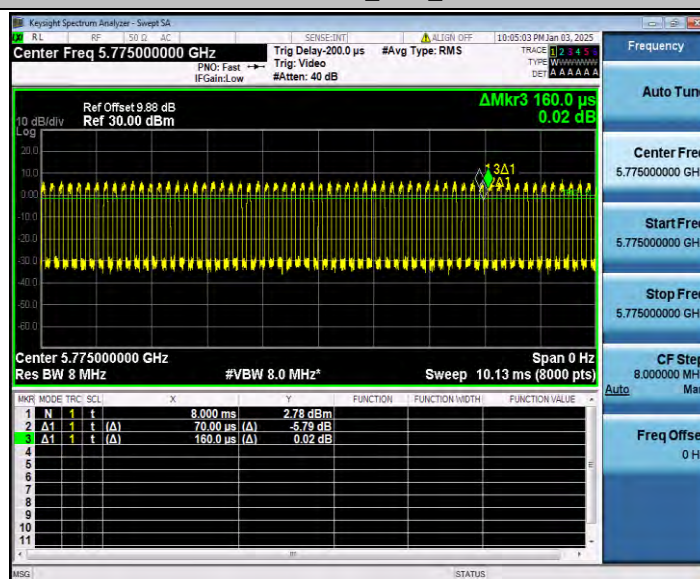
11AX40SISO_Ant1_5755



11AX40ISO_Ant1_5795



11AX80ISO_Ant1_5775



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	Ant1	5745	11.74	37.50	4.26	16.00	≤30.00	PASS
		5785	12.33	37.50	4.26	16.59	≤30.00	PASS
		5825	12.55	37.50	4.26	16.81	≤30.00	PASS
11N20SISO	Ant1	5745	11.85	44.44	3.52	15.37	≤30.00	PASS
		5785	12.63	44.44	3.52	16.15	≤30.00	PASS
		5825	12.67	44.44	3.52	16.19	≤30.00	PASS
11N40SISO	Ant1	5755	10.39	37.50	4.26	14.65	≤30.00	PASS
		5795	11.20	33.33	4.77	15.97	≤30.00	PASS
11AC20SISO	Ant1	5745	11.84	47.37	3.24	15.08	≤30.00	PASS
		5785	12.60	47.37	3.24	15.84	≤30.00	PASS
		5825	12.78	47.37	3.24	16.02	≤30.00	PASS
11AC40SISO	Ant1	5755	10.86	37.50	4.26	15.12	≤30.00	PASS
		5795	11.58	40.00	3.98	15.56	≤30.00	PASS
11AC80SISO	Ant1	5775	9.77	40.00	3.98	13.75	≤30.00	PASS
11AX20SISO	Ant1	5745	11.65	50.00	3.01	14.66	≤30.00	PASS
		5785	12.41	50.00	3.01	15.42	≤30.00	PASS
		5825	12.75	47.37	3.24	15.99	≤30.00	PASS
11AX40SISO	Ant1	5755	11.15	47.06	3.27	14.42	≤30.00	PASS
		5795	11.86	47.06	3.27	15.13	≤30.00	PASS
11AX80SISO	Ant1	5775	10.31	43.75	3.59	13.90	≤30.00	PASS

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	3.35	≤30.00	PASS
		5785	4.04	≤30.00	PASS
		5825	4.25	≤30.00	PASS
11N20SISO	Ant1	5745	2.77	≤30.00	PASS
		5785	3.41	≤30.00	PASS
		5825	3.72	≤30.00	PASS
11N40SISO	Ant1	5755	0.53	≤30.00	PASS
		5795	1.89	≤30.00	PASS
11AC20SISO	Ant1	5745	2.47	≤30.00	PASS
		5785	3.37	≤30.00	PASS
		5825	3.54	≤30.00	PASS
11AC40SISO	Ant1	5755	0.77	≤30.00	PASS
		5795	1.32	≤30.00	PASS
11AC80SISO	Ant1	5775	-4.24	≤30.00	PASS
11AX20SISO	Ant1	5745	2.19	≤30.00	PASS
		5785	3.16	≤30.00	PASS
		5825	3.51	≤30.00	PASS
11AX40SISO	Ant1	5755	-0.55	≤30.00	PASS
		5795	0.21	≤30.00	PASS
11AX80SISO	Ant1	5775	-4.47	≤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_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

