

Case No. : <u>GTS20251128021-1-09</u>
Ambient Condition: <u>22</u> °C, <u>52</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.12.05-2025.12.25</u> Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Occupied channel bandwidth

Test Result

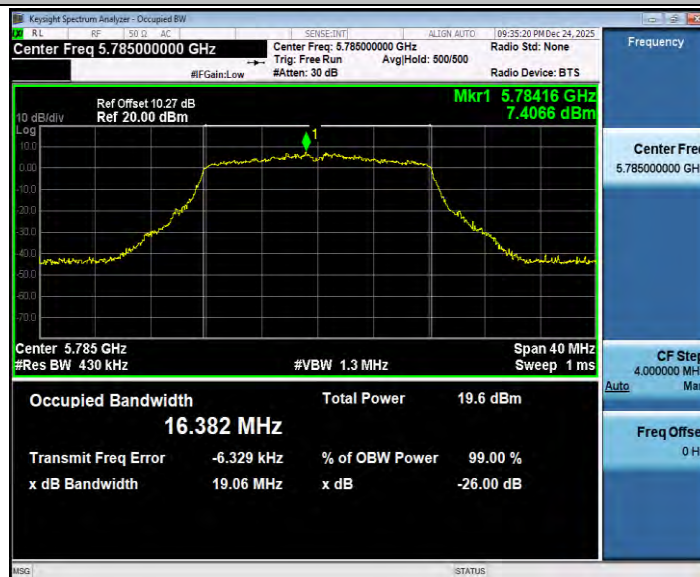
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.376	5736.8009	5753.1769	---	---
		5785	16.382	5776.8027	5793.1847	---	---
		5825	16.365	5816.8244	5833.1894	---	---
11N20SISO	Ant1	5745	17.531	5736.2247	5753.7557	---	---
		5785	17.521	5776.2372	5793.7582	---	---
		5825	17.535	5816.2285	5833.7635	---	---
11N40SISO	Ant1	5755	35.865	5737.0827	5772.9477	---	---
		5795	35.824	5777.1131	5812.9371	---	---
11AC20SISO	Ant1	5745	17.525	5736.2254	5753.7504	---	---
		5785	17.513	5776.2392	5793.7522	---	---
		5825	17.536	5816.2303	5833.7663	---	---
11AC40SISO	Ant1	5755	35.864	5737.0924	5772.9564	---	---
		5795	35.831	5777.1214	5812.9524	---	---
11AC80SISO	Ant1	5775	74.725	5737.7059	5812.4309	---	---
11AX20SISO	Ant1	5745	18.852	5735.5496	5754.4016	---	---
		5785	18.865	5775.5621	5794.4271	---	---
		5825	18.837	5815.5847	5834.4217	---	---
11AX40SISO	Ant1	5755	37.583	5736.2012	5773.7842	---	---
		5795	37.500	5776.2838	5813.7838	---	---
11AX80SISO	Ant1	5775	76.464	5736.8086	5813.2726	---	---

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



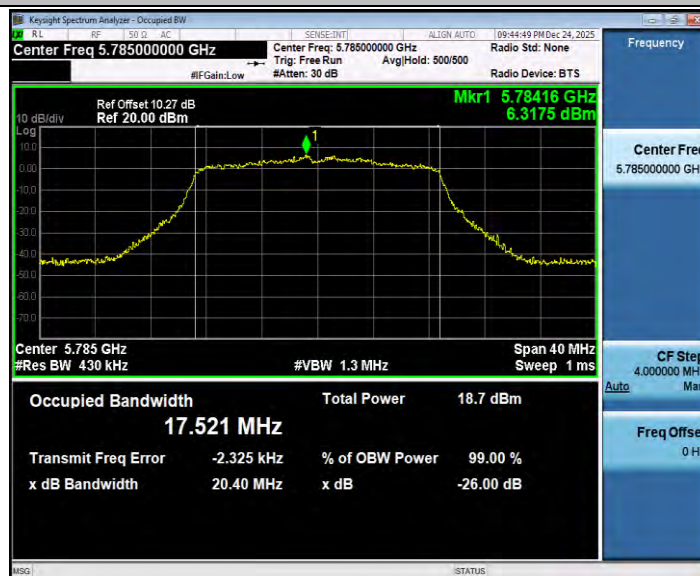
11A_Ant1_5825



11N20SISO_Ant1_5745



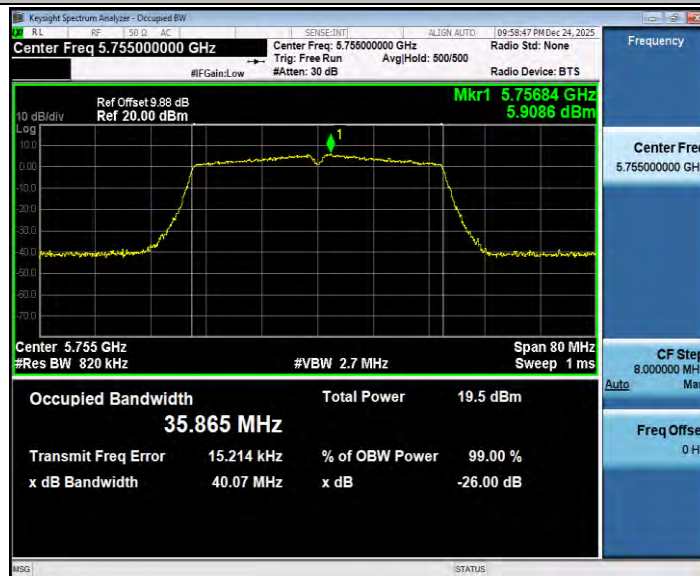
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



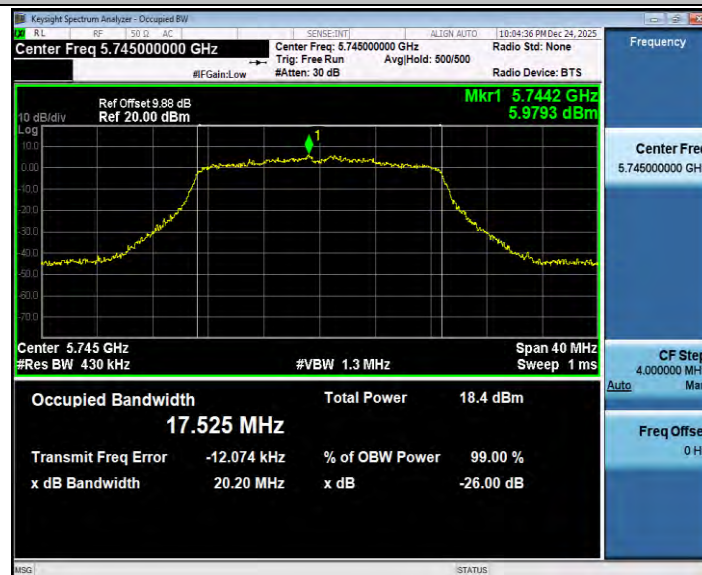
11N40SISO_Ant1_5755



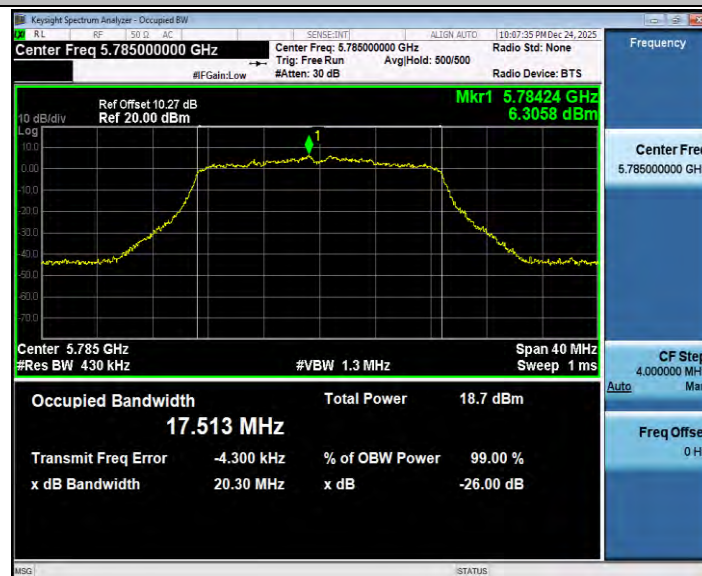
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



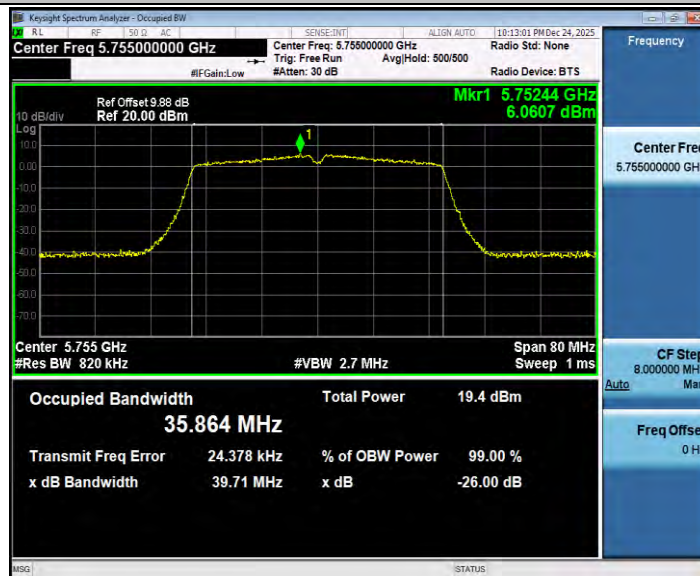
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



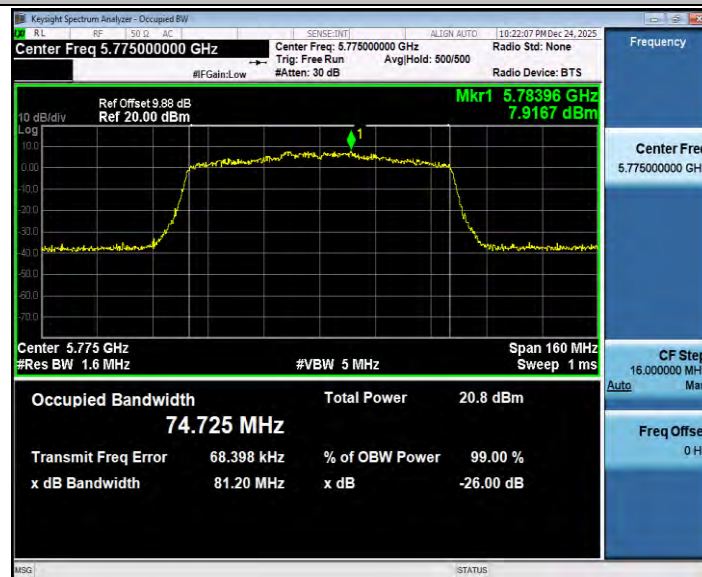
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



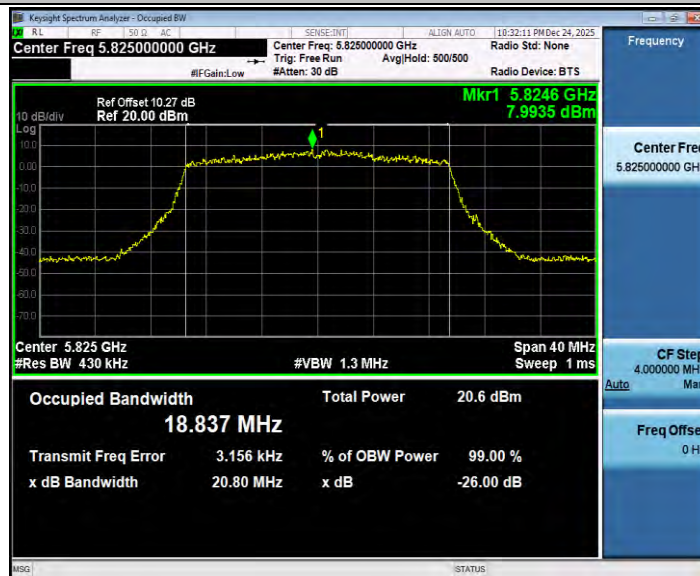
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



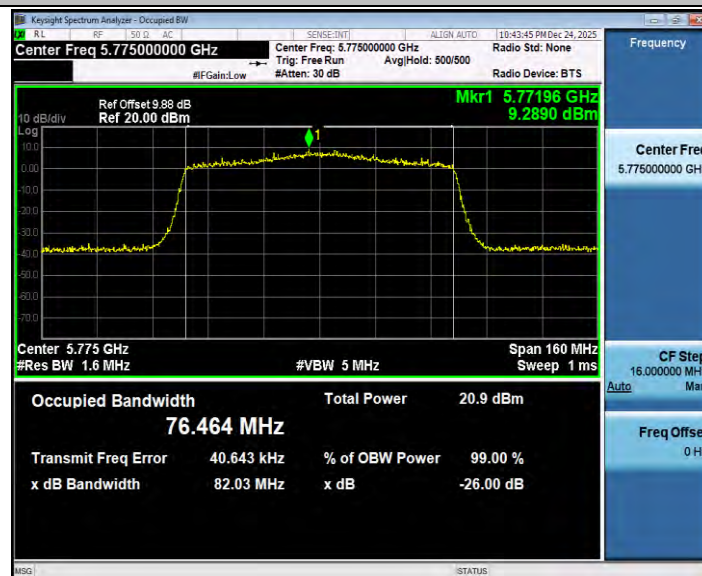
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



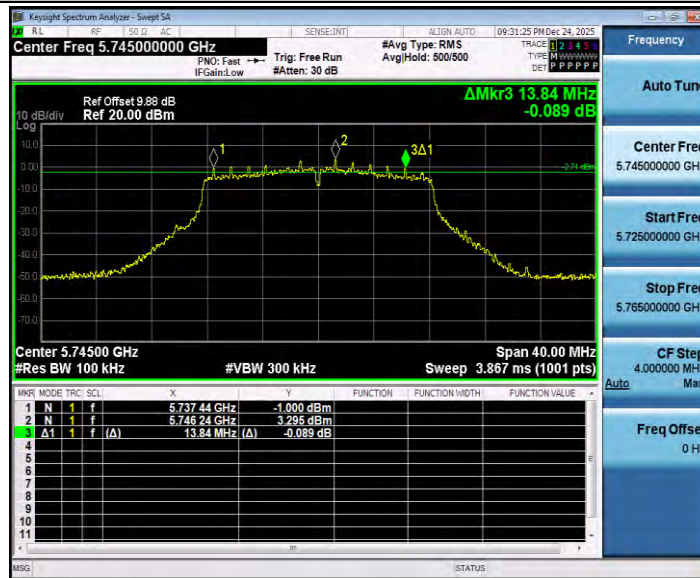
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	13.840	5737.440	5751.280	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	13.840	5818.680	5832.520	0.5	PASS
11N20SISO	Ant1	5745	15.000	5737.480	5752.480	0.5	PASS
		5785	13.760	5778.680	5792.440	0.5	PASS
		5825	15.080	5817.480	5832.560	0.5	PASS
11N40SISO	Ant1	5755	33.680	5738.760	5772.440	0.5	PASS
		5795	33.840	5778.680	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	13.880	5738.680	5752.560	0.5	PASS
		5785	15.040	5777.480	5792.520	0.5	PASS
		5825	13.840	5818.680	5832.520	0.5	PASS
11AC40SISO	Ant1	5755	33.760	5737.480	5771.240	0.5	PASS
		5795	34.960	5777.480	5812.440	0.5	PASS
11AC80SISO	Ant1	5775	66.240	5746.200	5812.440	0.5	PASS
11AX20SISO	Ant1	5745	16.040	5737.440	5753.480	0.5	PASS
		5785	15.400	5777.400	5792.800	0.5	PASS
		5825	17.600	5816.560	5834.160	0.5	PASS
11AX40SISO	Ant1	5755	34.960	5737.480	5772.440	0.5	PASS
		5795	33.760	5778.680	5812.440	0.5	PASS
11AX80SISO	Ant1	5775	73.760	5738.680	5812.440	0.5	PASS

Test Graphs B4

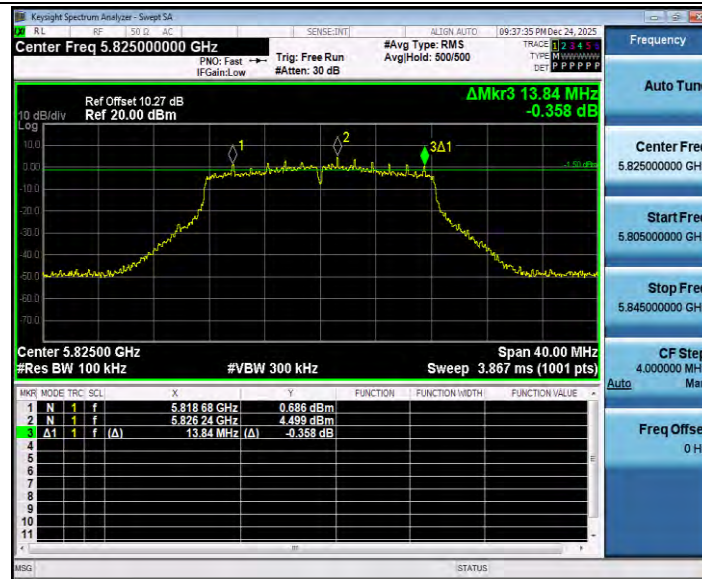
11A_Ant1_5745



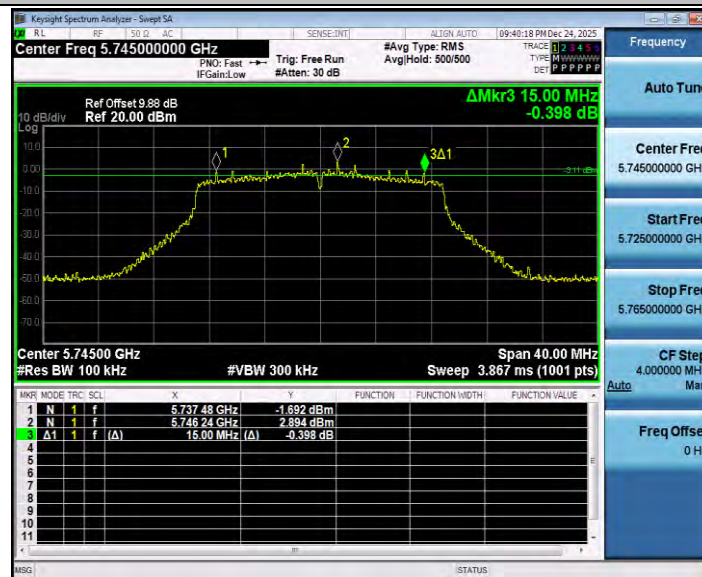
11A_Ant1_5785



11A_Ant1_5825



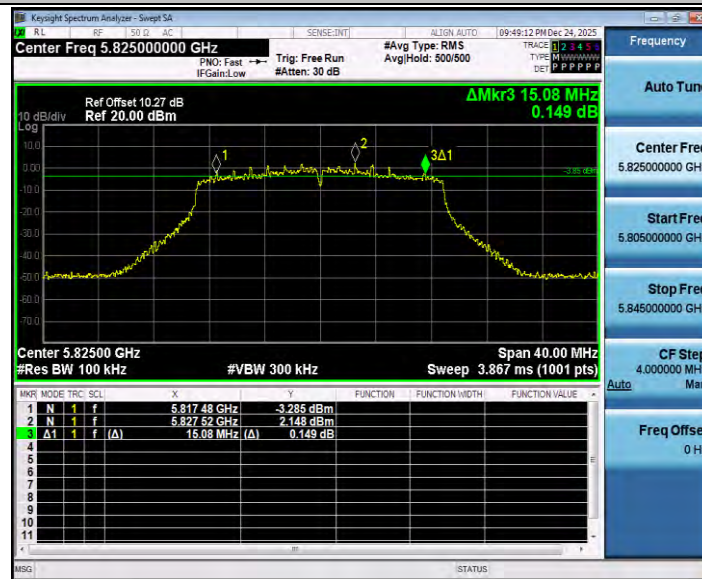
11N20SISO_Ant1_5745



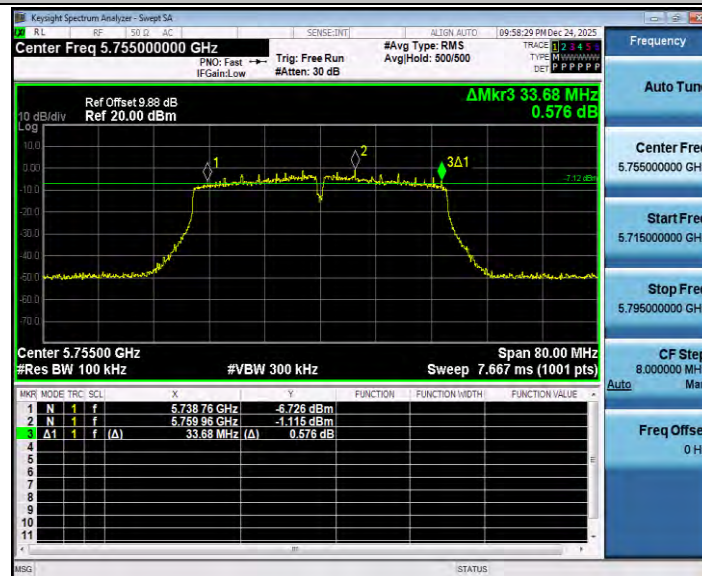
11N20SISO_Ant1_5785



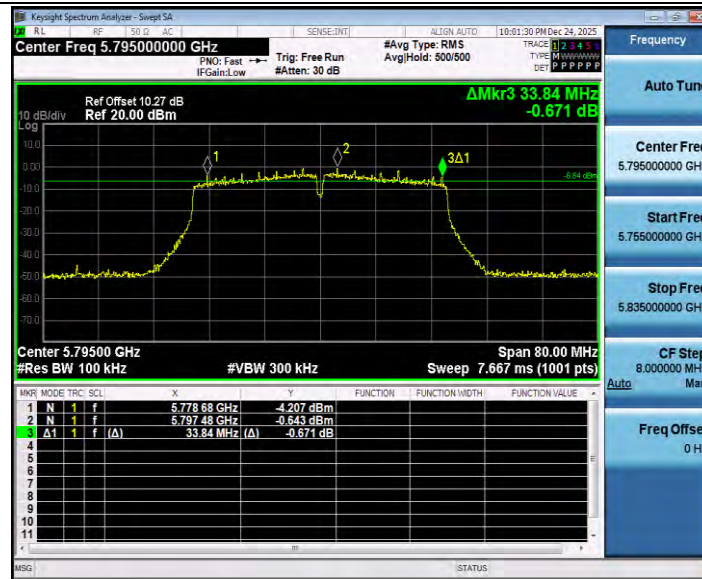
11N20SISO_Ant1_5825



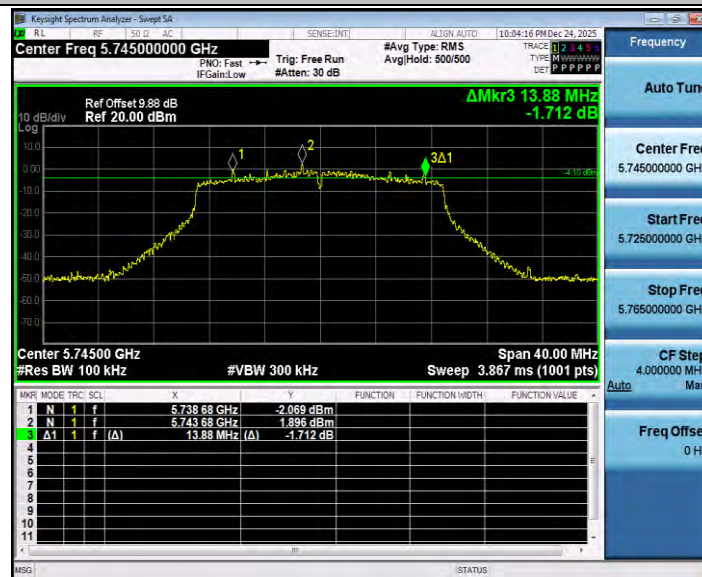
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



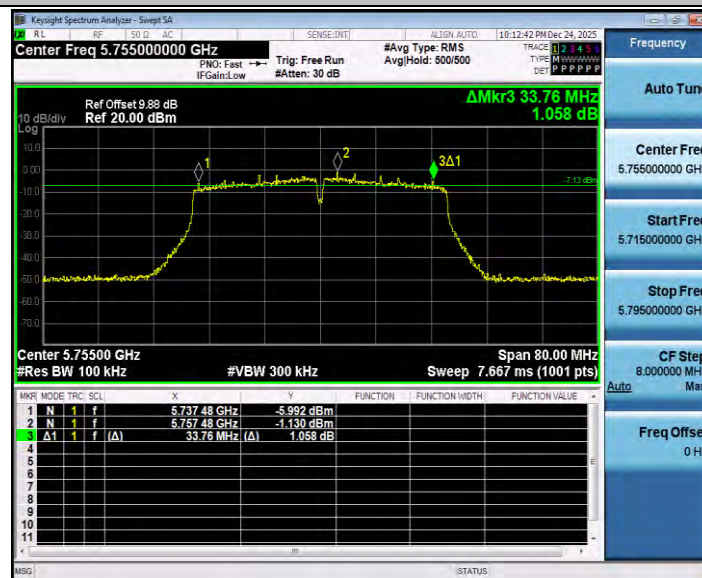
11AC20SISO_Ant1_5785



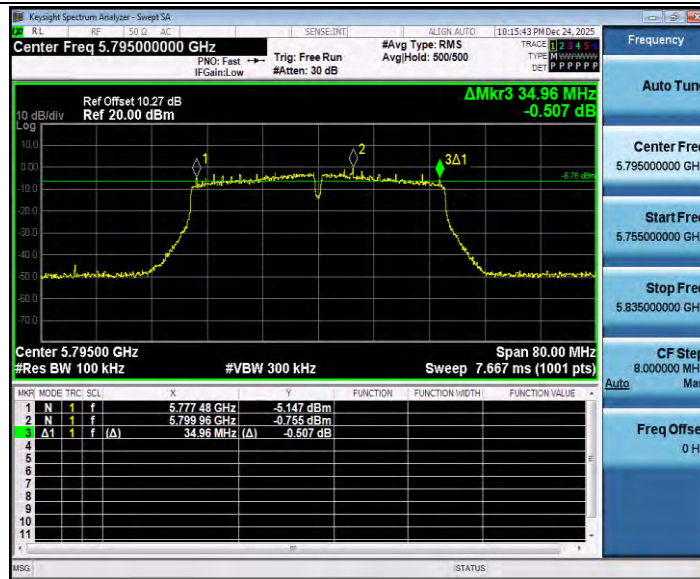
11AC20SISO_Ant1_5825



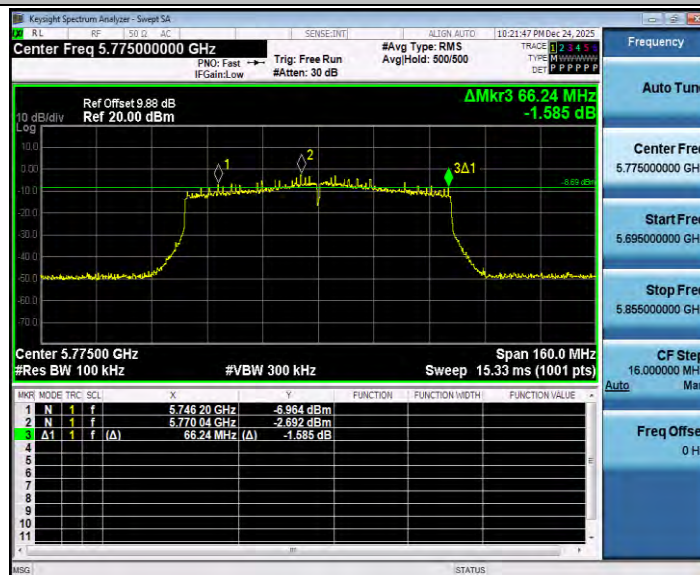
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

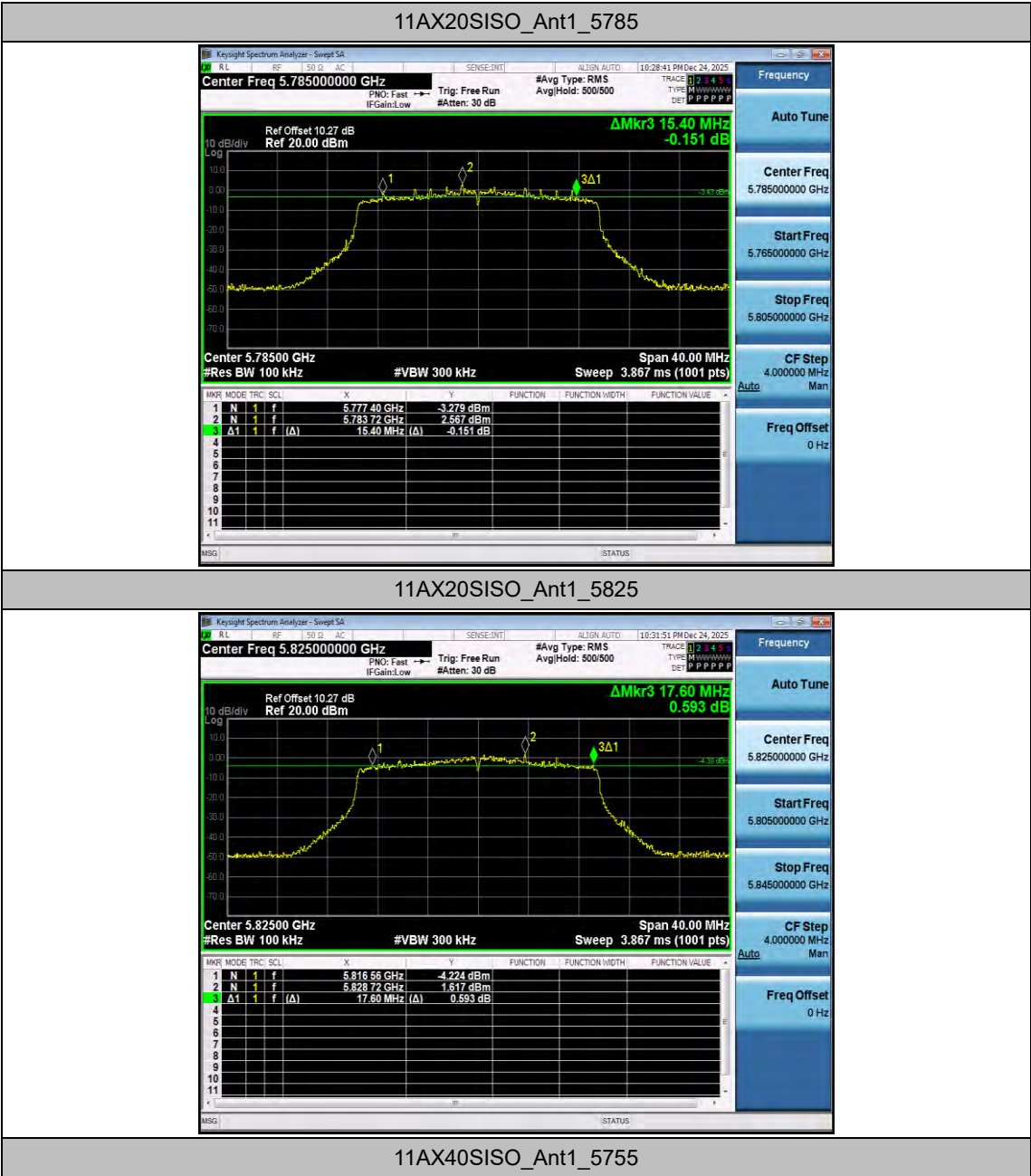


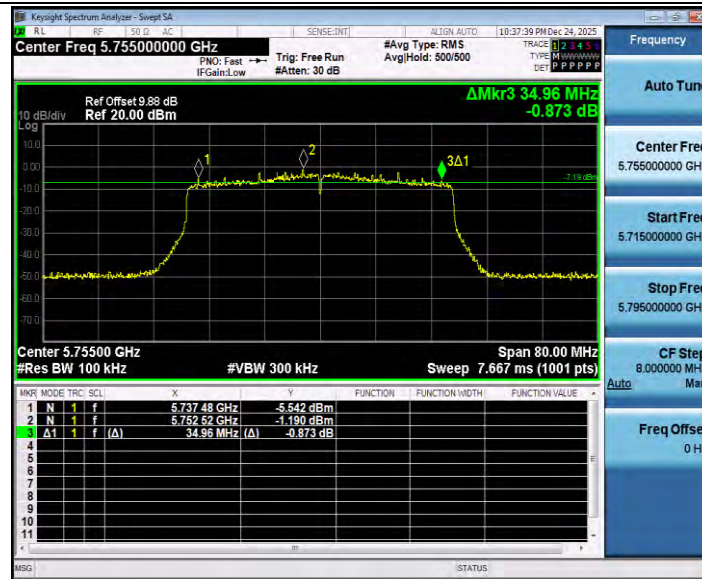
11AC80SISO_Ant1_5775



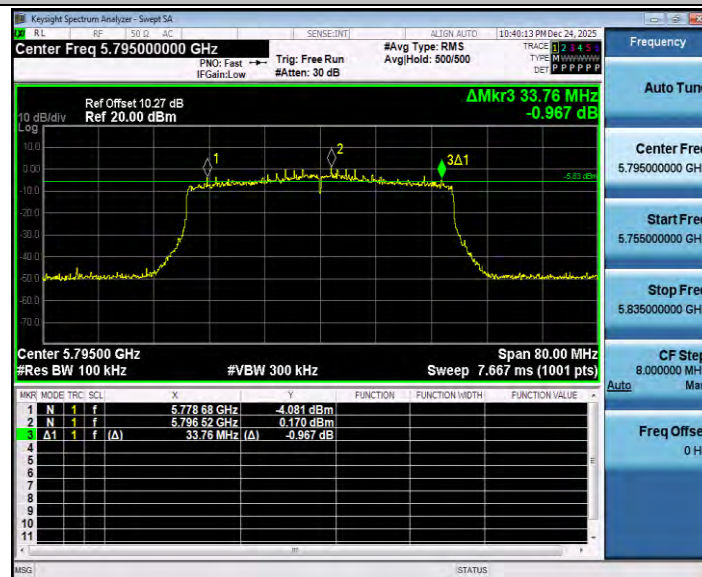
11AX20SISO_Ant1_5745



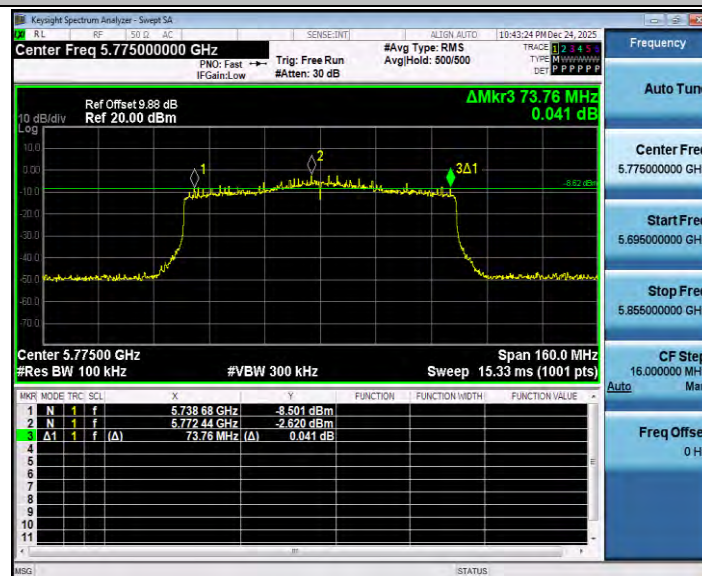




11AX40ISO_Ant1_5795



11AX80ISO_Ant1_5775



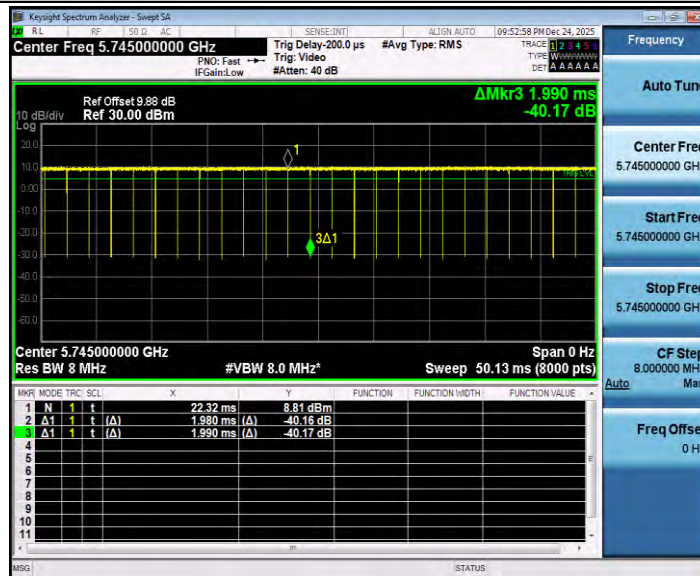
Appendix E.3: Duty Cycle

Test Result

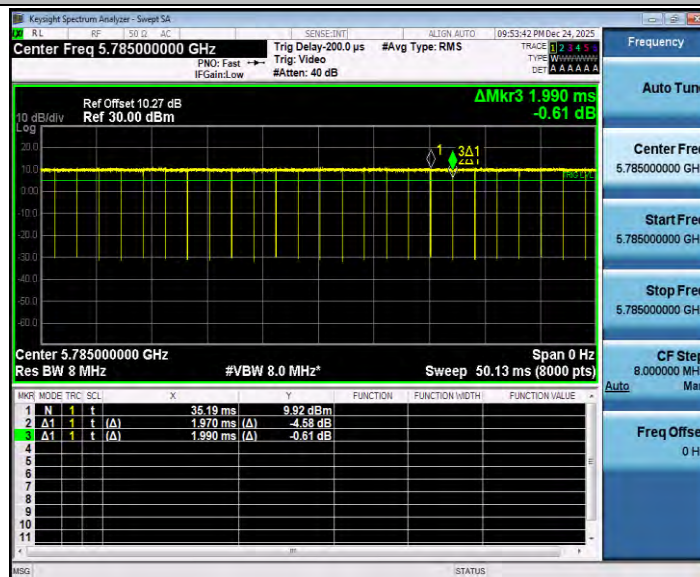
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	1.98	1.99	99.50	0.02	0.51
		5785	1.97	1.99	98.99	0.04	0.51
		5825	1.97	1.99	98.99	0.04	0.51
11N20SISO	Ant1	5745	5.42	5.80	93.45	0.29	0.18
		5785	5.42	5.76	94.10	0.26	0.18
		5825	5.43	5.45	99.63	0.02	0.18
11N40SISO	Ant1	5755	5.42	5.44	99.63	0.02	0.18
		5795	5.43	5.80	93.62	0.29	0.18
11AC20SISO	Ant1	5745	5.42	5.77	93.93	0.27	0.18
		5785	5.43	5.79	93.78	0.28	0.18
		5825	5.42	5.77	93.93	0.27	0.18
11AC40SISO	Ant1	5755	5.43	5.78	93.94	0.27	0.18
		5795	5.43	5.44	99.82	0.01	0.18
11AC80SISO	Ant1	5775	5.43	5.79	93.78	0.28	0.18
11AX20SISO	Ant1	5745	5.44	5.46	99.63	0.02	0.18
		5785	5.44	5.81	93.63	0.29	0.18
		5825	5.45	5.78	94.29	0.26	0.18
11AX40SISO	Ant1	5755	5.45	5.47	99.63	0.02	0.18
		5795	5.45	5.82	93.64	0.29	0.18
11AX80SISO	Ant1	5775	5.44	5.79	93.96	0.27	0.18

Test Graphs

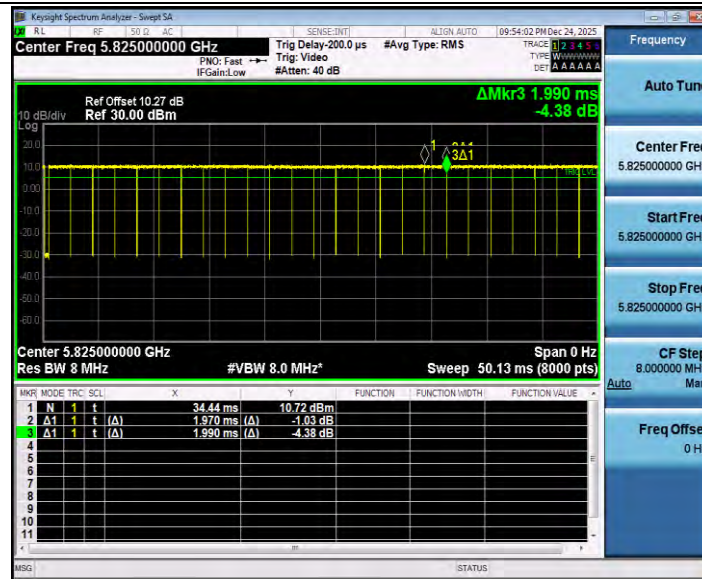
11A_Ant1_5745



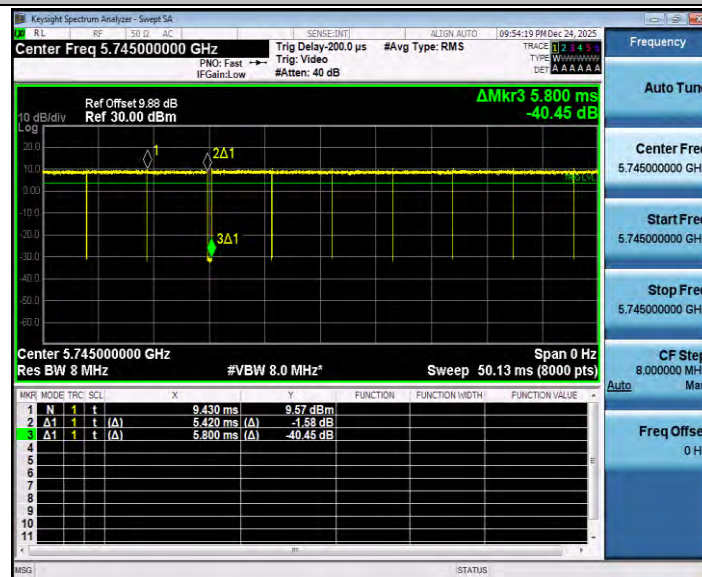
11A_Ant1_5785



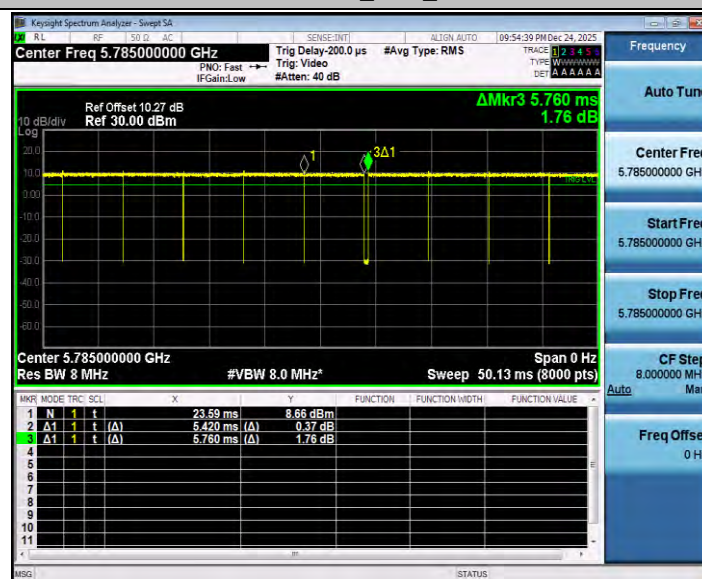
11A_Ant1_5825

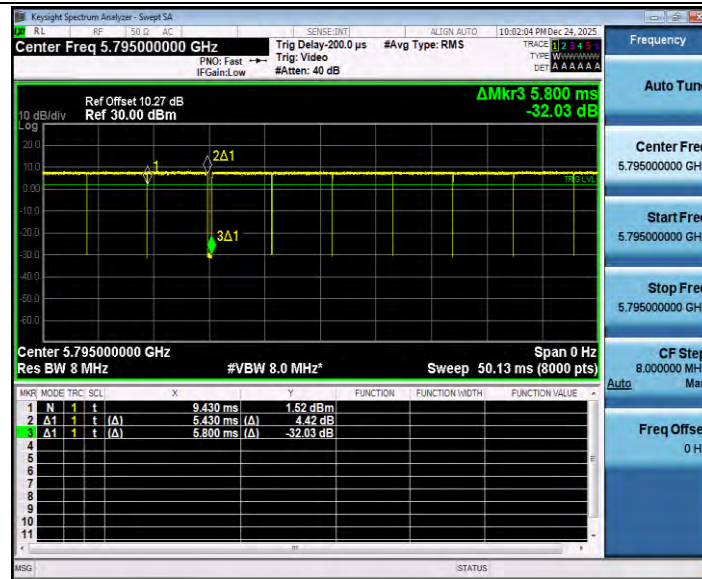


11N20SISO_Ant1_5745

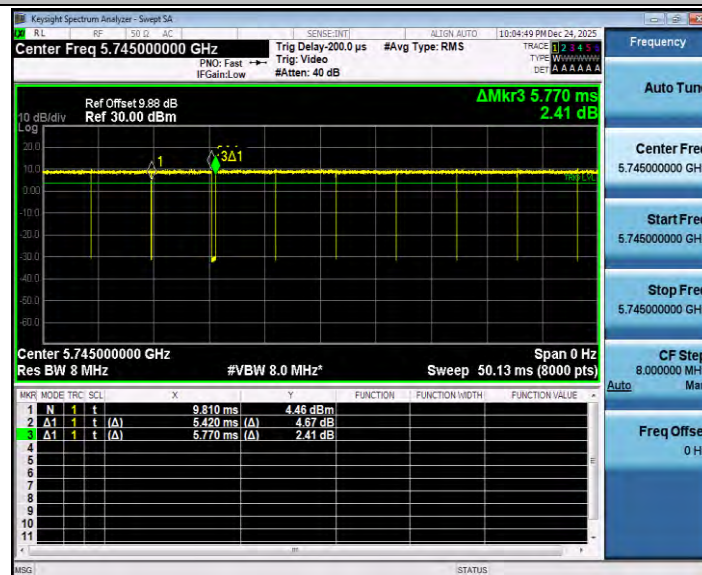


11N20SISO_Ant1_5785

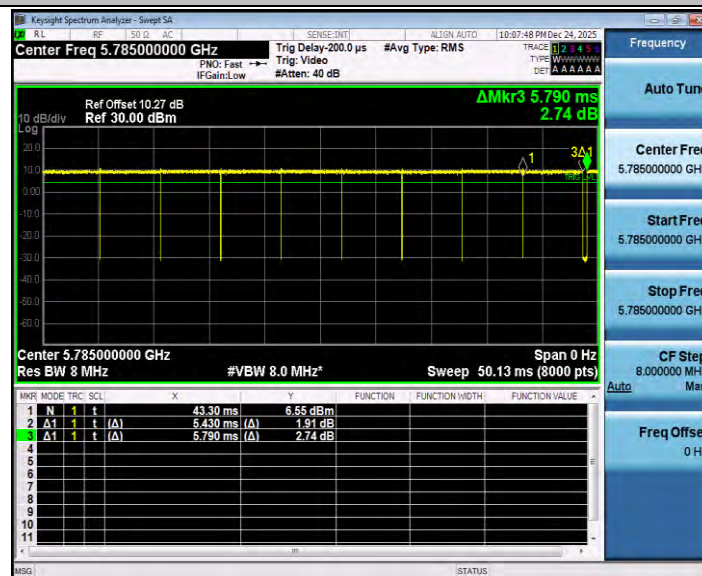




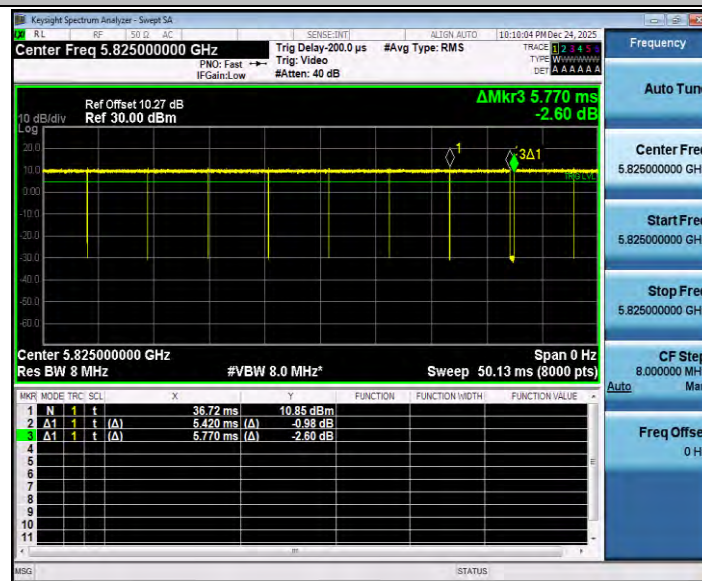
11AC20SISO_Ant1_5745



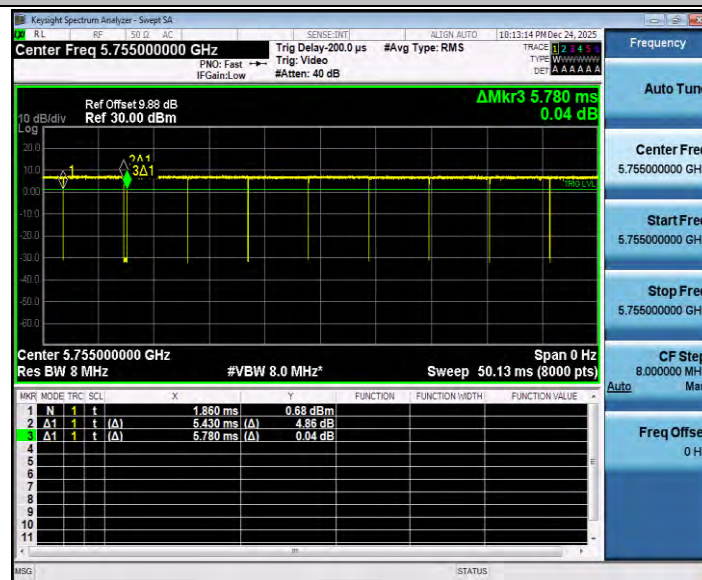
11AC20SISO_Ant1_5785



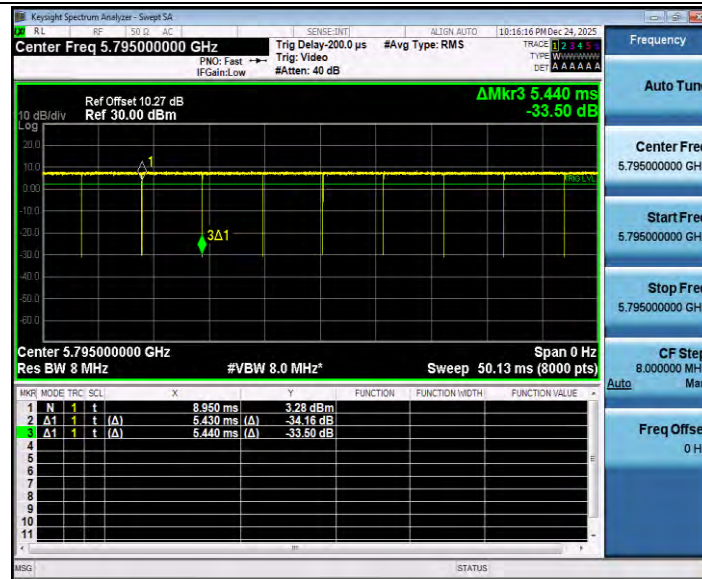
11AC20SISO_Ant1_5825



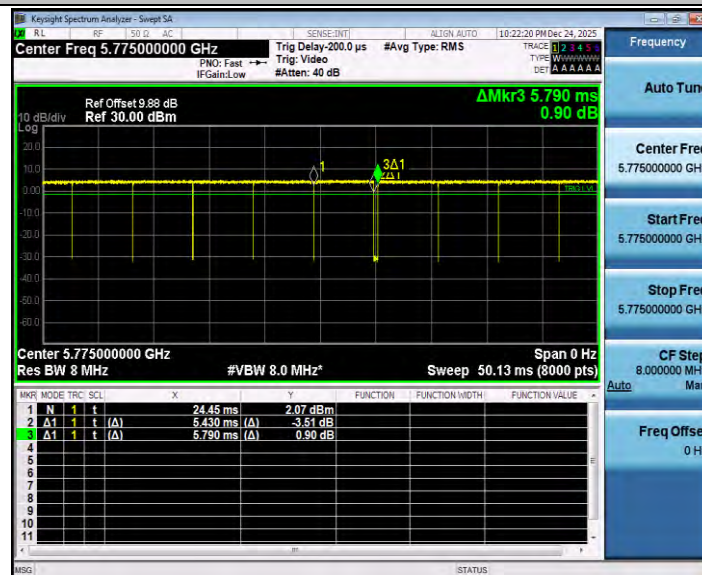
11AC40SISO_Ant1_5755



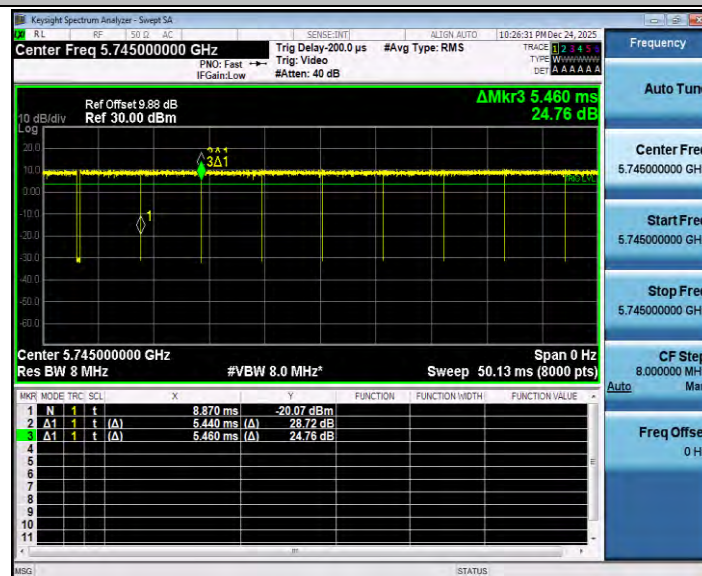
11AC40SISO_Ant1_5795

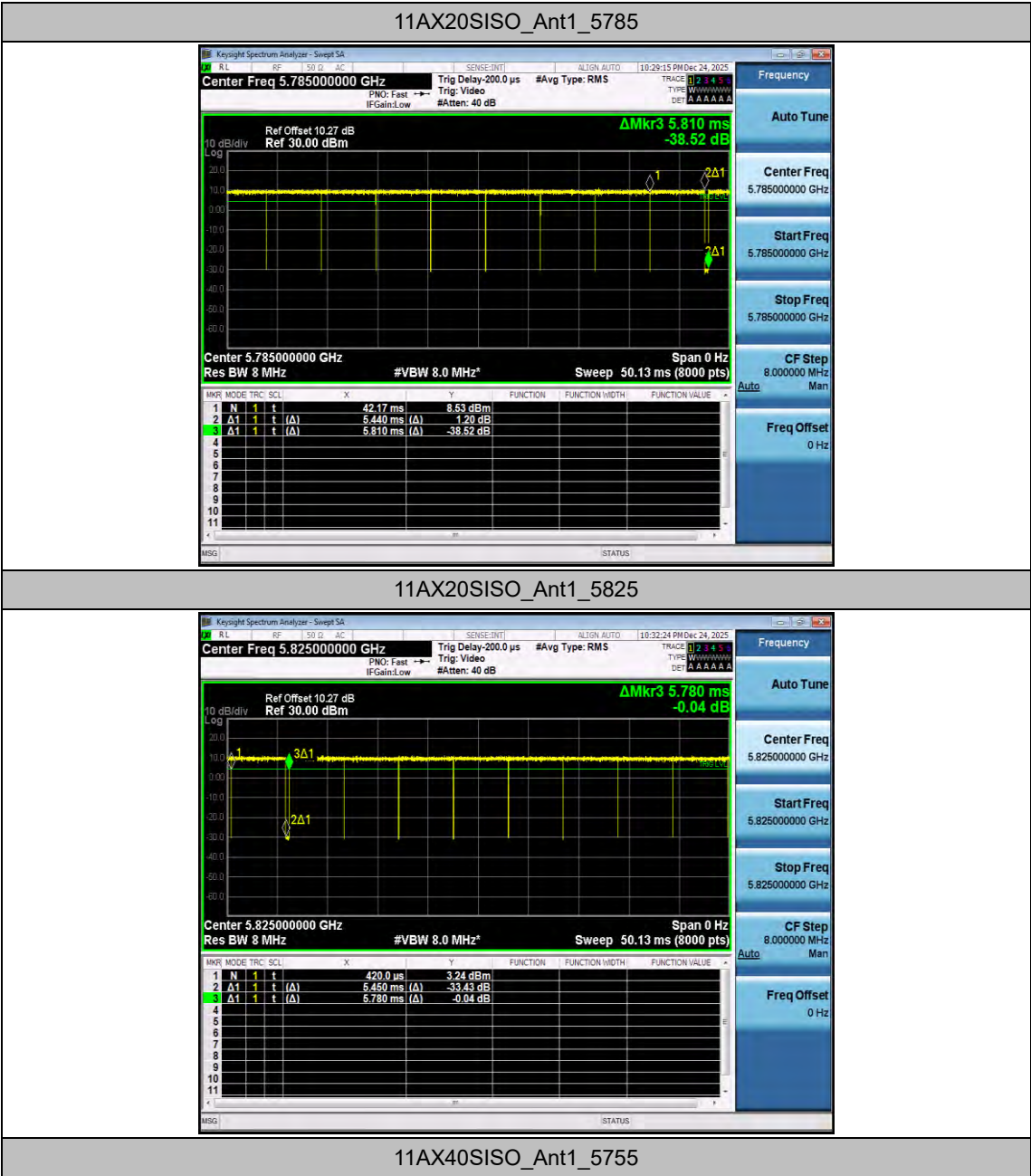


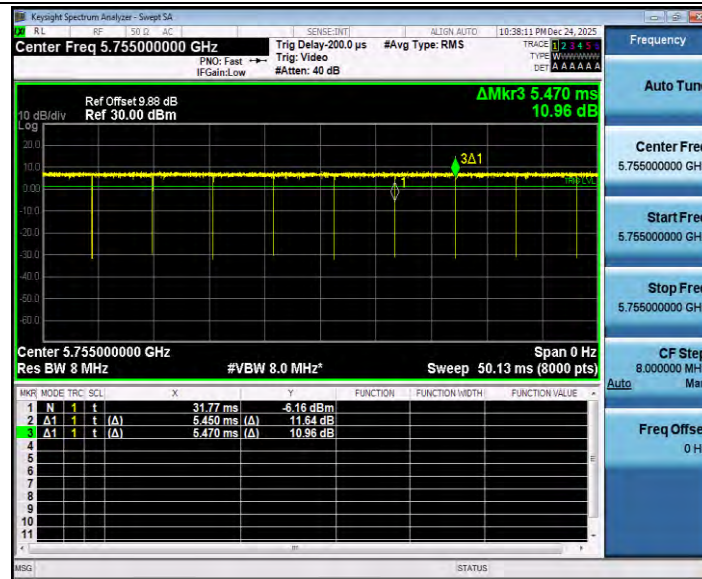
11AC80SISO_Ant1_5775



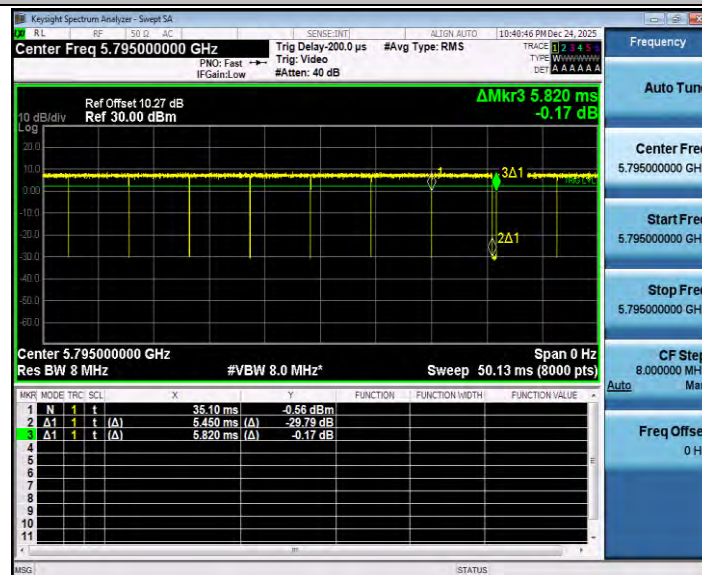
11AX20SISO_Ant1_5745



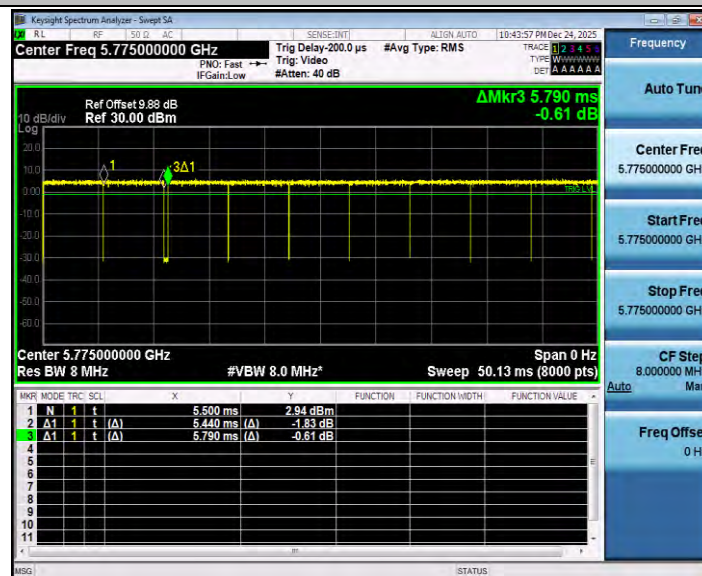




11AX40ISO_Ant1_5795



11AX80ISO_Ant1_5775



Appendix E.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	12.11	98.99	0.04	12.15	≤30.00	PASS
		5785	12.65	98.99	0.04	12.69	≤30.00	PASS
		5825	13.04	99.50	0.02	13.06	≤30.00	PASS
11N20SISO	Ant1	5745	11.31	99.63	0.02	11.33	≤30.00	PASS
		5785	11.62	99.82	0.01	11.63	≤30.00	PASS
		5825	12.21	99.63	0.02	12.23	≤30.00	PASS
11N40SISO	Ant1	5755	11.84	99.63	0.02	11.86	≤30.00	PASS
		5795	12.40	93.62	0.29	12.69	≤30.00	PASS
11AC20SISO	Ant1	5745	11.31	93.93	0.27	11.58	≤30.00	PASS
		5785	11.72	93.78	0.28	12.00	≤30.00	PASS
		5825	12.13	93.93	0.27	12.40	≤30.00	PASS
11AC40SISO	Ant1	5755	11.77	93.94	0.27	12.04	≤30.00	PASS
		5795	12.35	99.82	0.01	12.36	≤30.00	PASS
11AC80SISO	Ant1	5775	11.70	93.78	0.28	11.98	≤30.00	PASS
11AX20SISO	Ant1	5745	11.47	99.63	0.02	11.49	≤30.00	PASS
		5785	11.91	93.63	0.29	12.20	≤30.00	PASS
		5825	12.35	94.29	0.26	12.61	≤30.00	PASS
11AX40SISO	Ant1	5755	11.52	99.63	0.02	11.54	≤30.00	PASS
		5795	12.15	93.64	0.29	12.44	≤30.00	PASS
11AX80SISO	Ant1	5775	11.68	93.96	0.27	11.95	≤30.00	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-0.88	≤30.00	PASS
		5785	-0.39	≤30.00	PASS
		5825	0.07	≤30.00	PASS
11N20SISO	Ant1	5745	-1.79	≤30.00	PASS
		5785	-1.24	≤30.00	PASS
		5825	-0.76	≤30.00	PASS
11N40SISO	Ant1	5755	-3.95	≤30.00	PASS
		5795	-3.10	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.58	≤30.00	PASS
		5785	-1.02	≤30.00	PASS
		5825	-0.61	≤30.00	PASS
11AC40SISO	Ant1	5755	-3.70	≤30.00	PASS
		5795	-3.29	≤30.00	PASS
11AC80SISO	Ant1	5775	-6.47	≤30.00	PASS
11AX20SISO	Ant1	5745	-1.85	≤30.00	PASS
		5785	-0.89	≤30.00	PASS
		5825	-0.61	≤30.00	PASS
11AX40SISO	Ant1	5755	-4.21	≤30.00	PASS
		5795	-3.38	≤30.00	PASS
11AX80SISO	Ant1	5775	-6.41	≤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

