

Case No. : <u>GTS20241129021-2-05</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.3.11</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	16.320	5736.840	5753.160	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	72.480	5739.960	5812.440	0.5	PASS
11AX20SISO	Ant1	5745	18.800	5735.600	5754.400	0.5	PASS
		5785	18.840	5775.560	5794.400	0.5	PASS
		5825	18.920	5815.520	5834.440	0.5	PASS
11AX40SISO	Ant1	5755	37.760	5736.200	5773.960	0.5	PASS
		5795	37.920	5776.040	5813.960	0.5	PASS
11AX80SISO	Ant1	5775	72.640	5739.960	5812.600	0.5	PASS

Test Graphs B4

11A_Ant1_5745



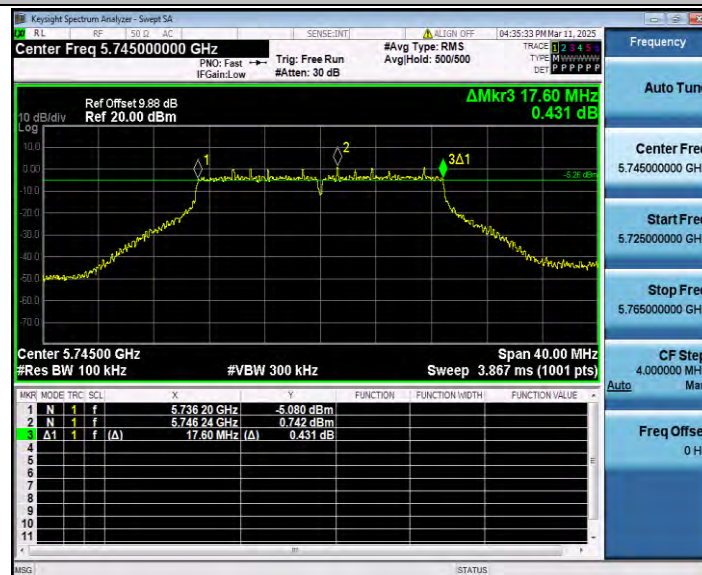
11A_Ant1_5785



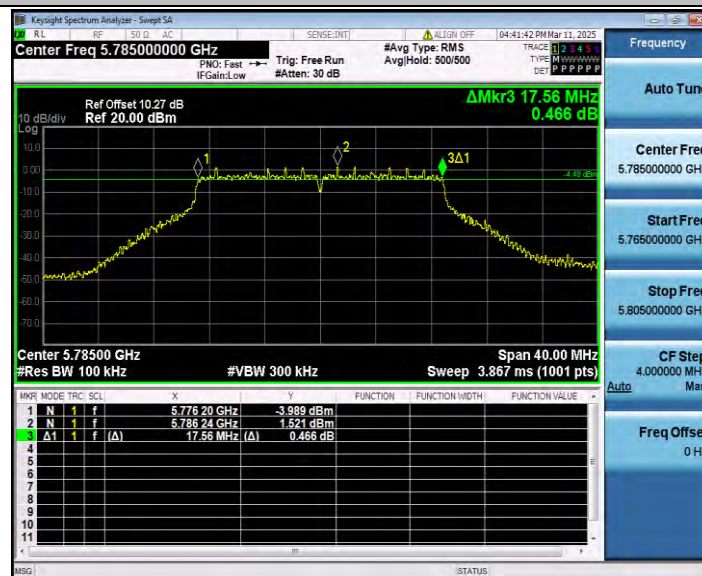
11A_Ant1_5825



11N20SISO_Ant1_5745



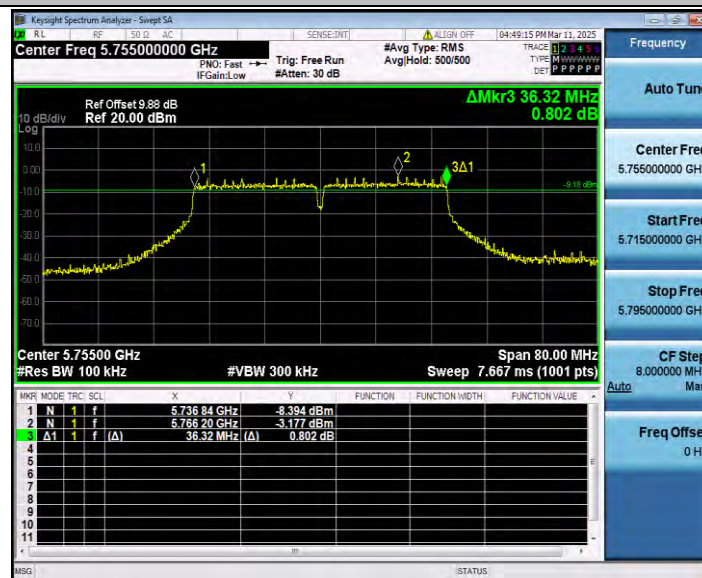
11N20SISO_Ant1_5785



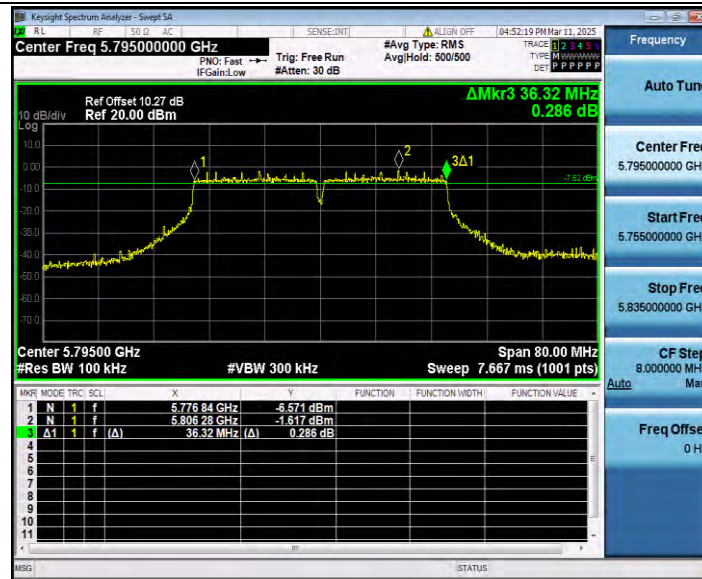
11N20SISO_Ant1_5825



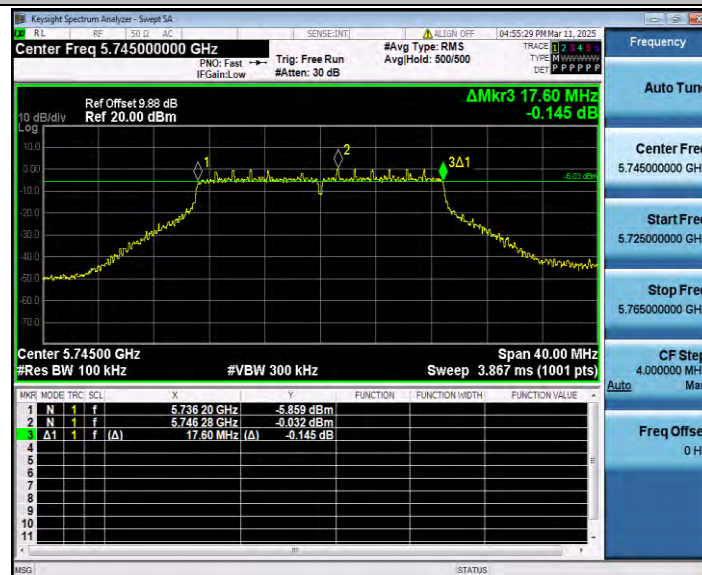
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



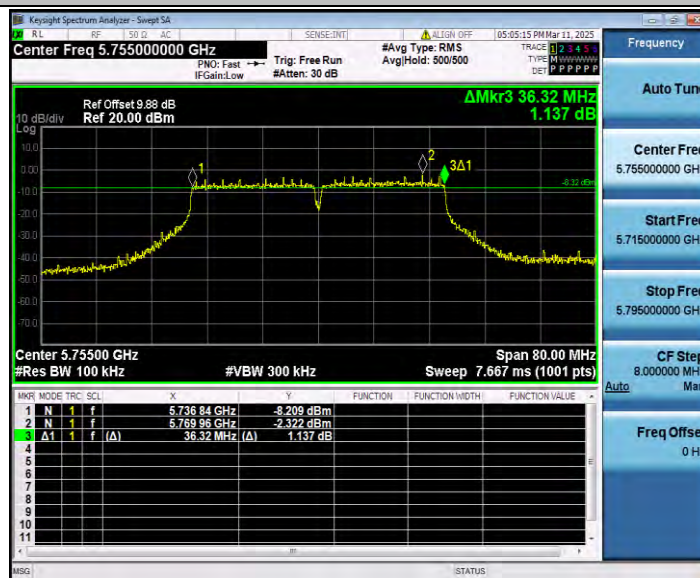
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



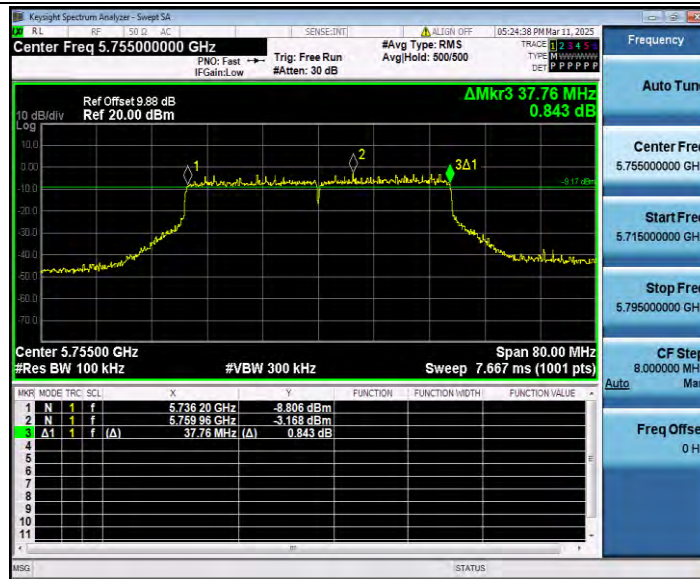
11AX20SISO_Ant1_5785



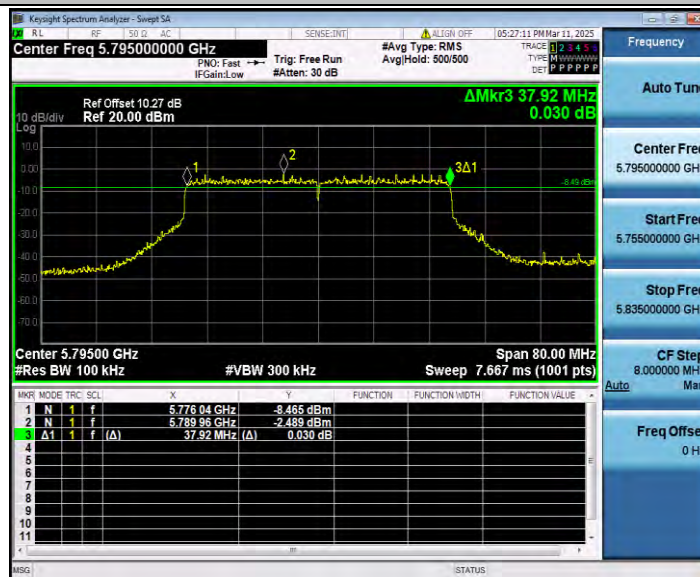
11AX20SISO_Ant1_5825



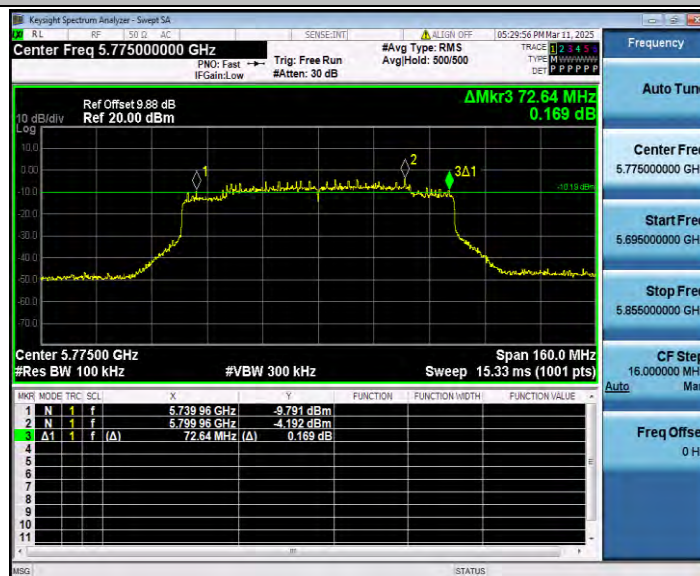
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix G.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.363	5736.3447	5753.7077	---	---
		5785	17.362	5776.3266	5793.6886	---	---
		5825	17.329	5816.3714	5833.7004	---	---
11N20SISO	Ant1	5745	18.377	5735.8558	5754.2328	---	---
		5785	18.383	5775.8336	5794.2166	---	---
		5825	18.372	5815.8222	5834.1942	---	---
11N40SISO	Ant1	5755	36.800	5736.7065	5773.5065	---	---
		5795	36.761	5776.6717	5813.4327	---	---
11AC20SISO	Ant1	5745	18.403	5735.8609	5754.2639	---	---
		5785	18.347	5775.8543	5794.2013	---	---
		5825	18.414	5815.8097	5834.2237	---	---
11AC40SISO	Ant1	5755	36.811	5736.7069	5773.5179	---	---
		5795	36.842	5776.6672	5813.5092	---	---
11AC80SISO	Ant1	5775	74.864	5737.8111	5812.6751	---	---
11AX20SISO	Ant1	5745	19.259	5735.3918	5754.6508	---	---
		5785	19.233	5775.3946	5794.6276	---	---
		5825	19.176	5815.4266	5834.6026	---	---
11AX40SISO	Ant1	5755	38.131	5735.9644	5774.0954	---	---
		5795	38.024	5776.0084	5814.0324	---	---
11AX80SISO	Ant1	5775	76.555	5737.0198	5813.5748	---	---

Test Graphs

11A_Ant1_5745



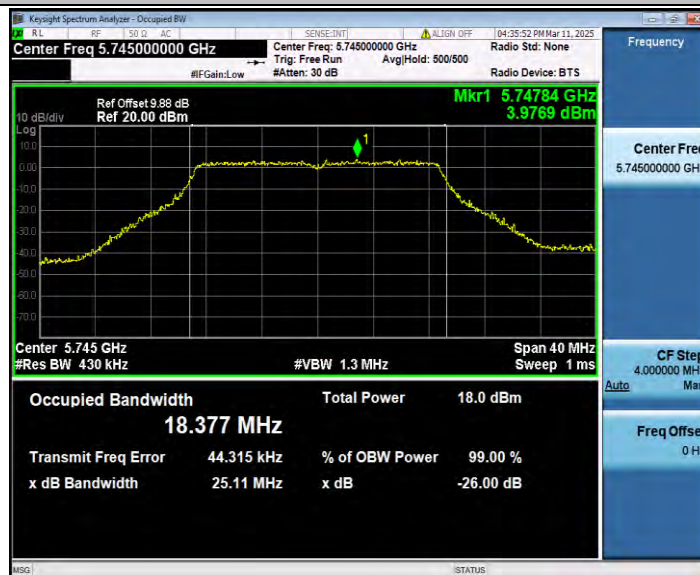
11A_Ant1_5785



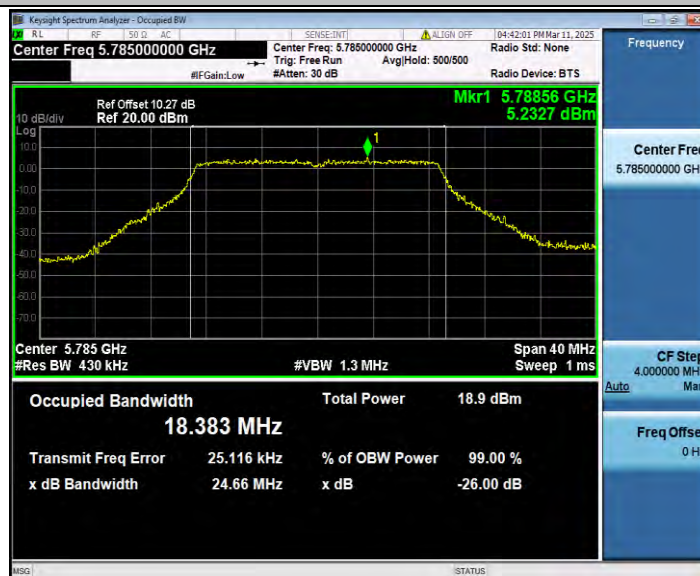
11A_Ant1_5825



11N20SISO_Ant1_5745



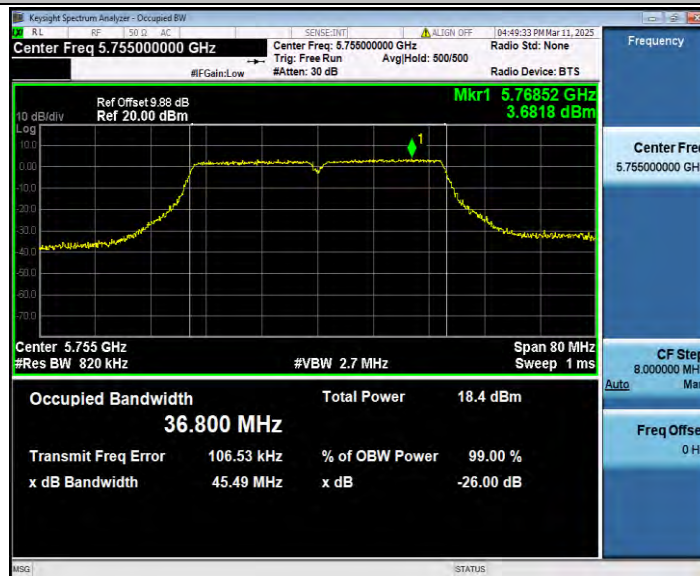
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



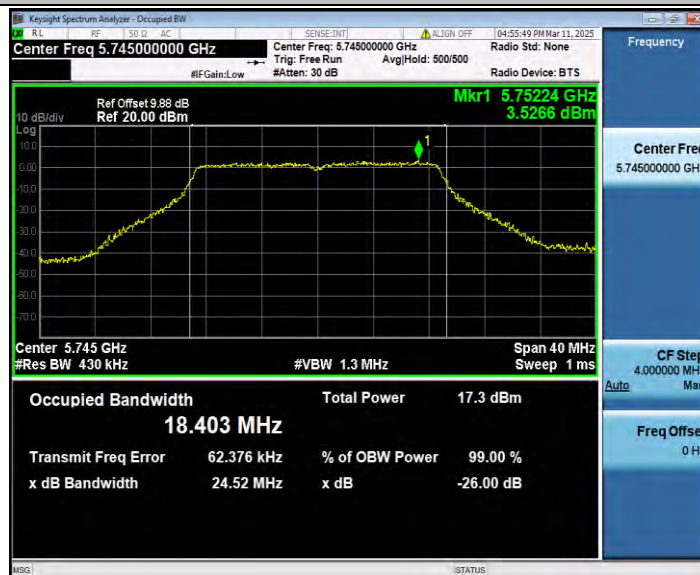
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



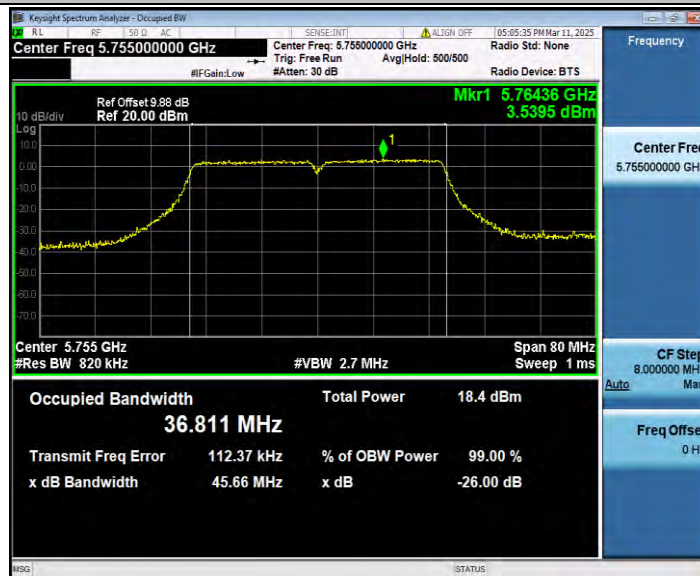
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



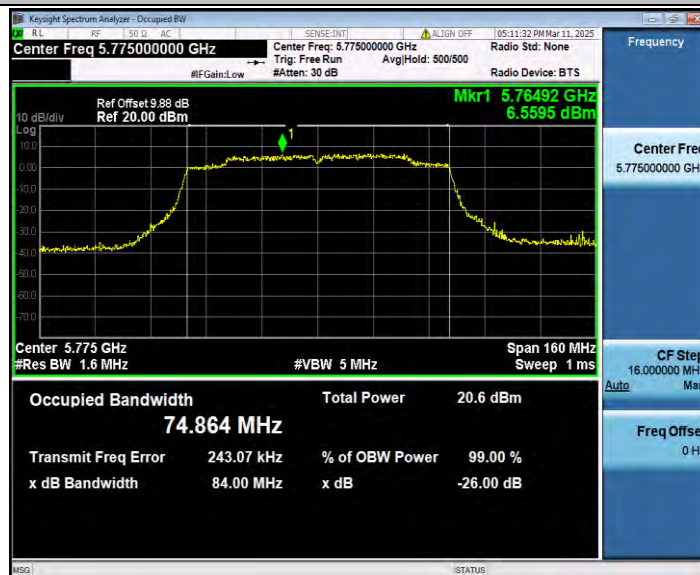
11AC40SISO_Ant1_5755



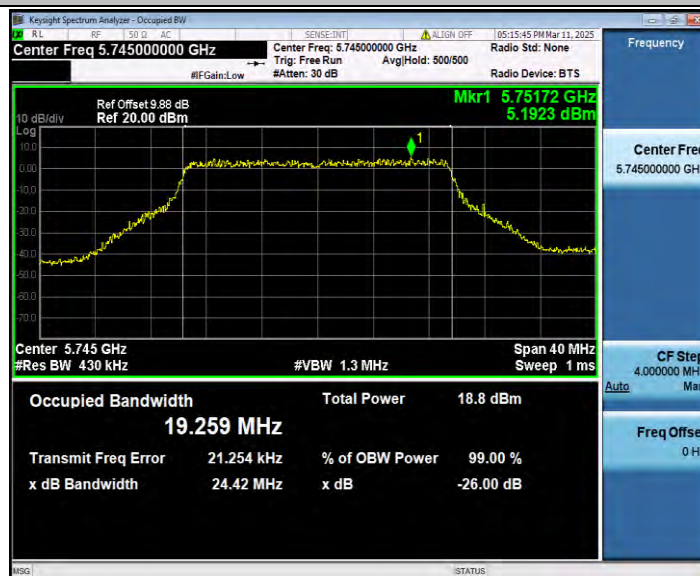
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



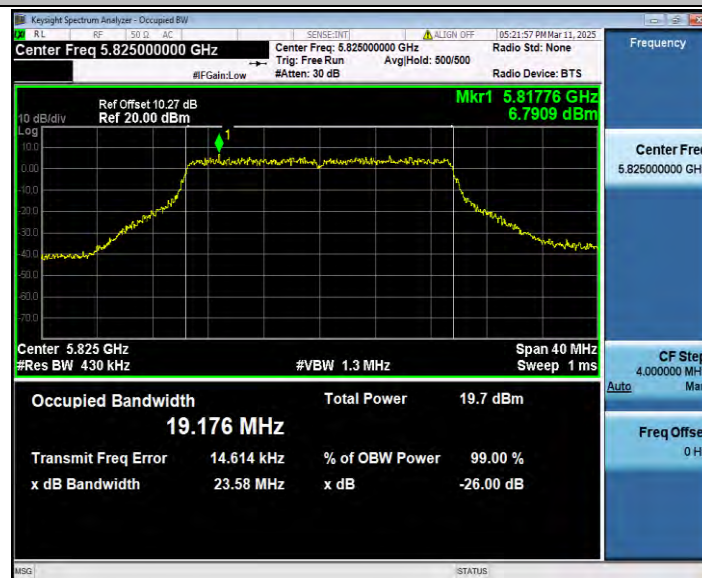
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



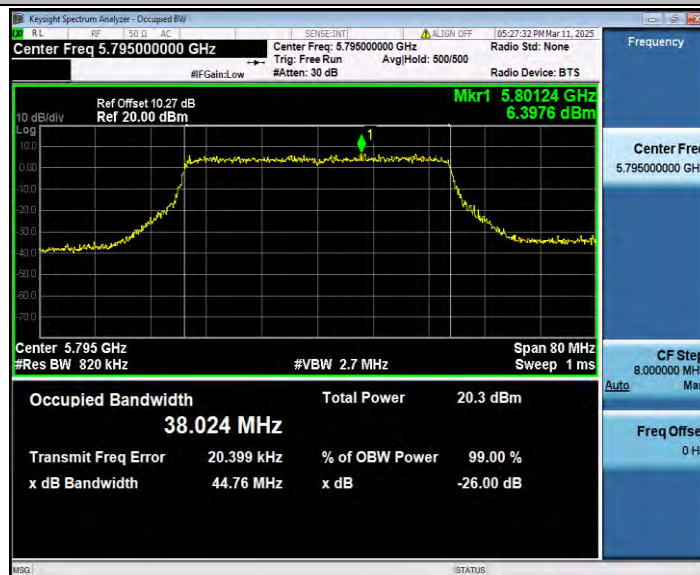
11AX20SISO_Ant1_5825



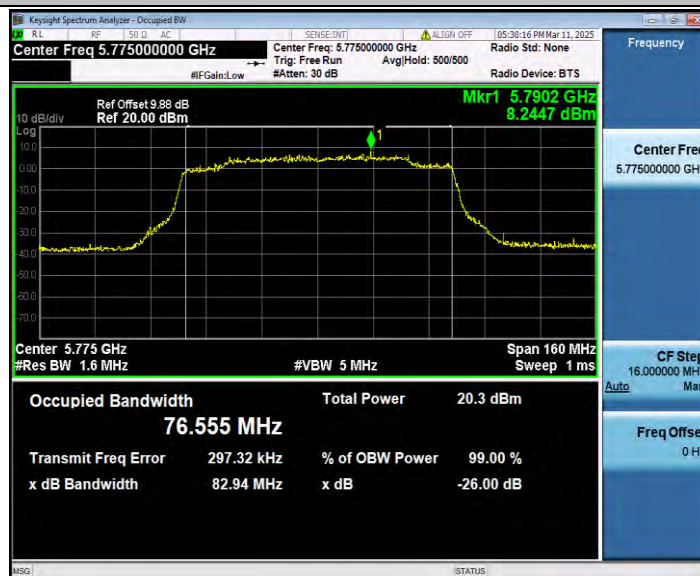
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

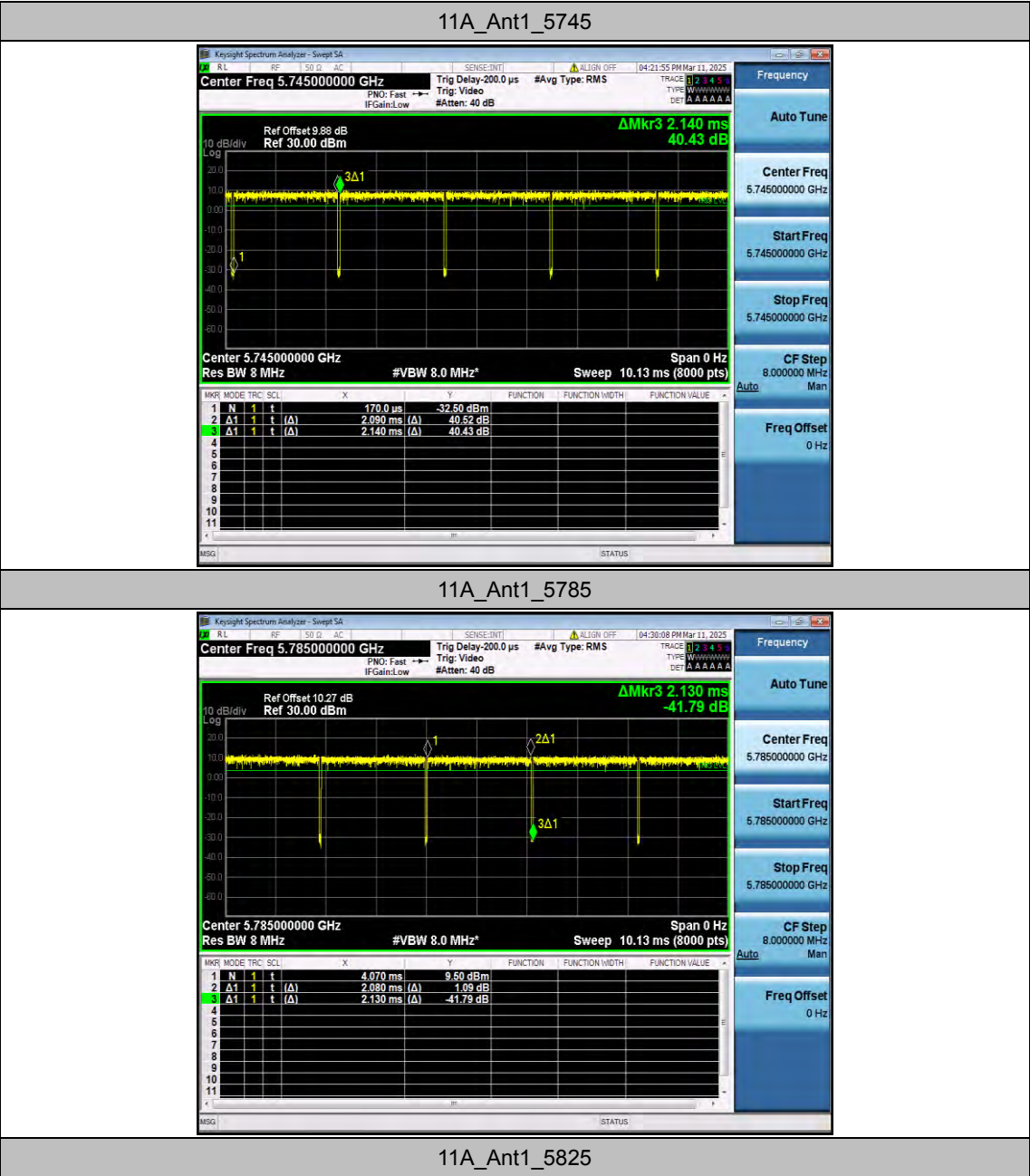


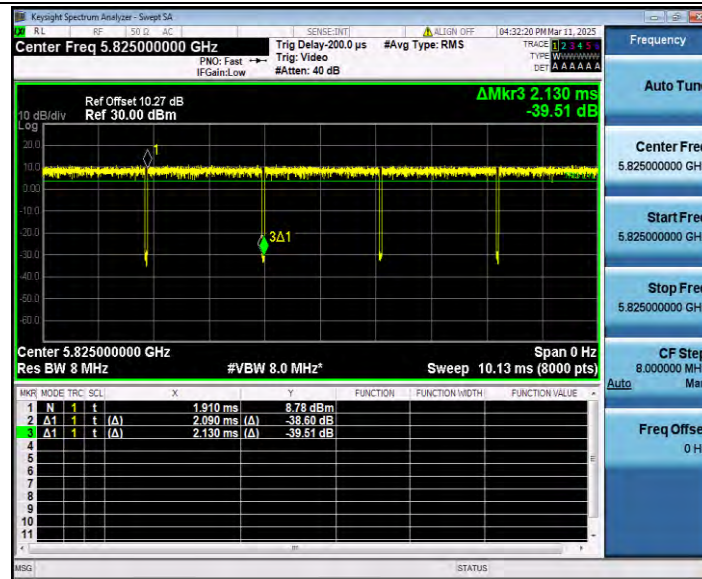
Appendix G.3: Duty Cycle

Test Result

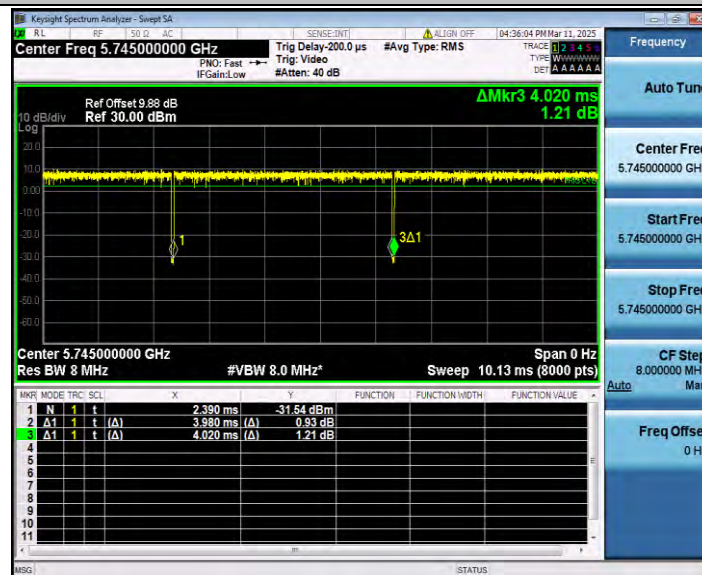
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	2.09	2.14	97.66	0.10	0.48
		5785	2.08	2.13	97.65	0.10	0.48
		5825	2.09	2.13	98.12	0.08	0.48
11N20SISO	Ant1	5745	3.98	4.02	99.00	0.04	0.25
		5785	3.98	4.02	99.00	0.04	0.25
		5825	3.97	4.02	98.76	0.05	0.25
11N40SISO	Ant1	5755	3.97	4.02	98.76	0.05	0.25
		5795	3.97	4.02	98.76	0.05	0.25
11AC20SISO	Ant1	5745	3.94	3.99	98.75	0.05	0.25
		5785	3.94	3.99	98.75	0.05	0.25
		5825	3.94	3.99	98.75	0.05	0.25
11AC40SISO	Ant1	5755	3.97	4.01	99.00	0.04	0.25
		5795	3.96	4.01	98.75	0.05	0.25
11AC80SISO	Ant1	5775	3.97	4.02	98.76	0.05	0.25
11AX20SISO	Ant1	5745	3.98	4.03	98.76	0.05	0.25
		5785	3.98	4.03	98.76	0.05	0.25
		5825	3.99	4.03	99.01	0.04	0.25
11AX40SISO	Ant1	5755	3.98	4.03	98.76	0.05	0.25
		5795	3.98	4.03	98.76	0.05	0.25
11AX80SISO	Ant1	5775	3.99	4.04	98.76	0.05	0.25

Test Graphs

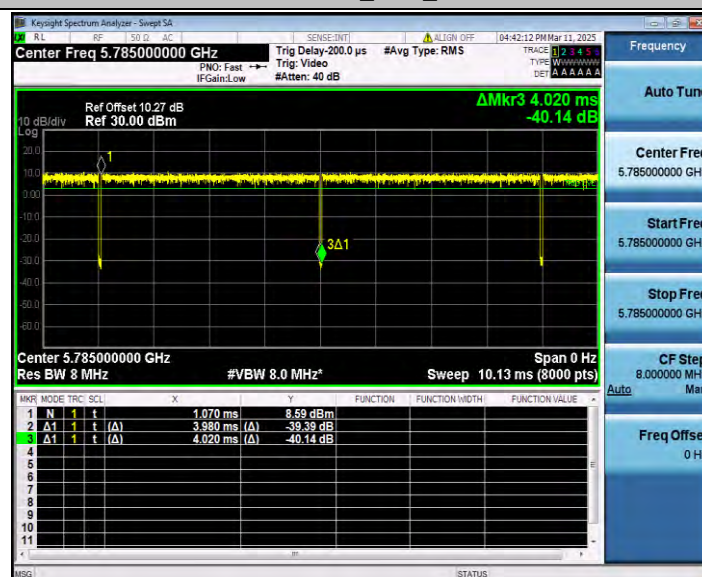




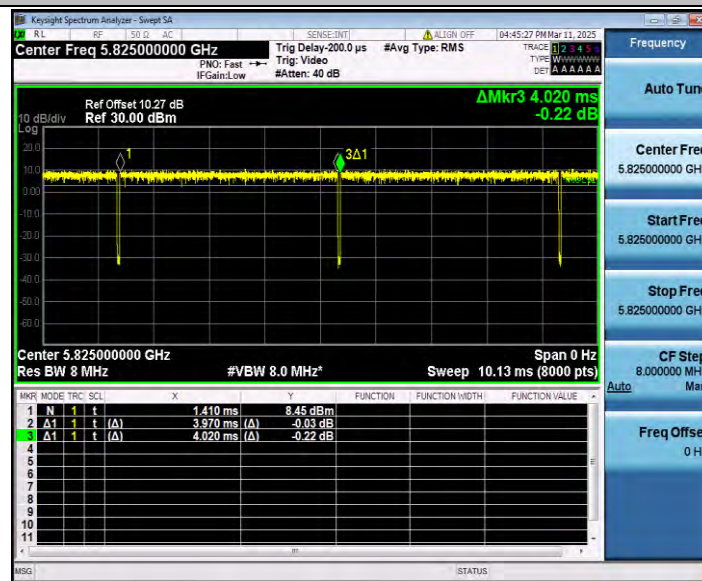
11N20SISO_Ant1_5745



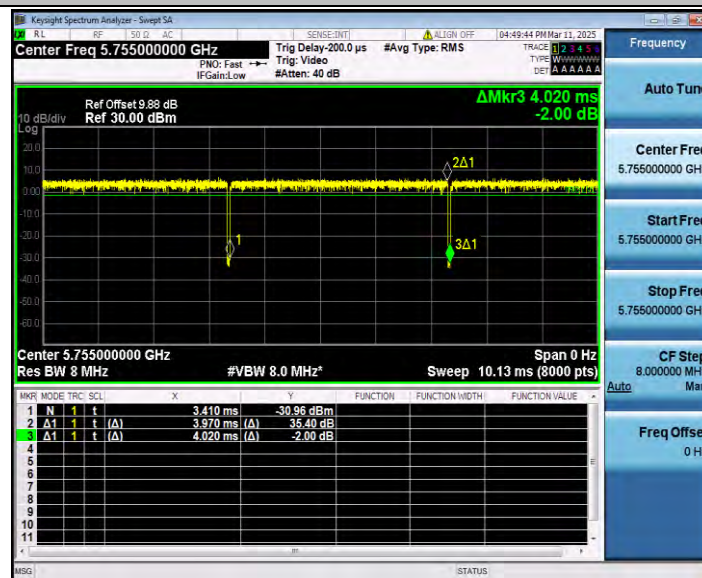
11N20SISO_Ant1_5785



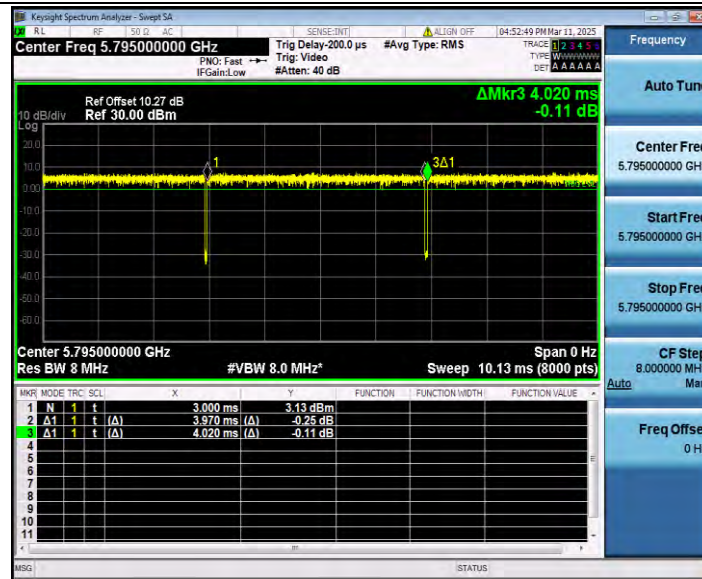
11N20SISO_Ant1_5825



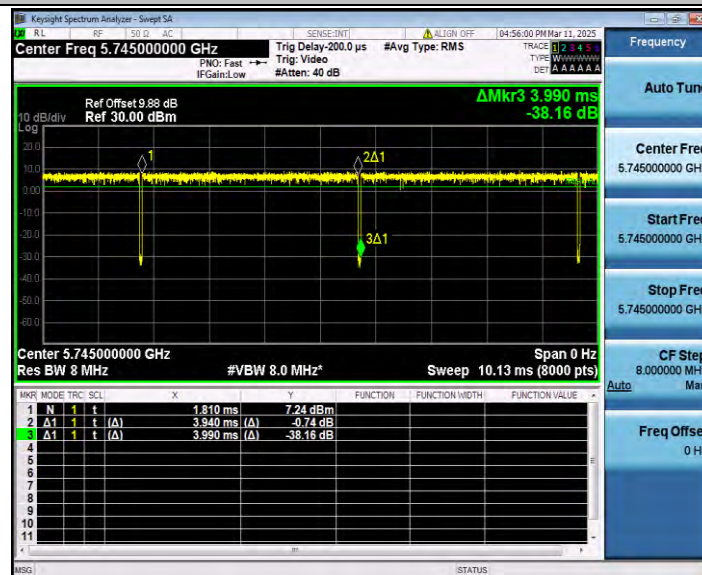
11N40SISO_Ant1_5755



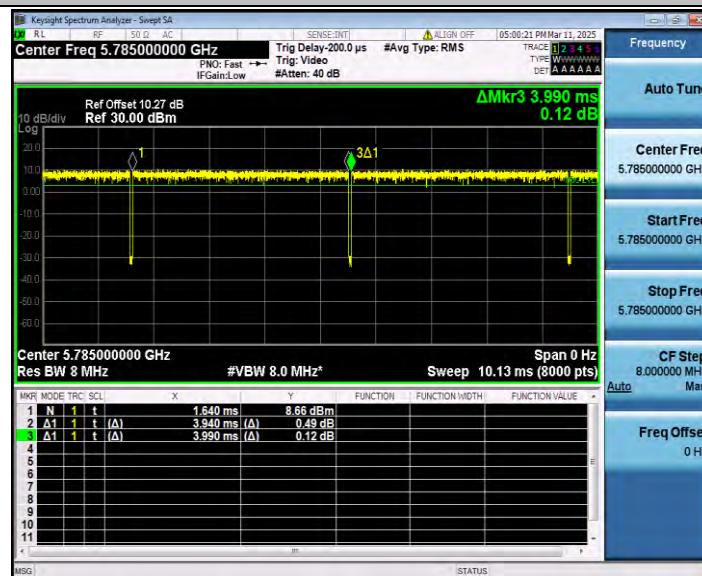
11N40SISO_Ant1_5795



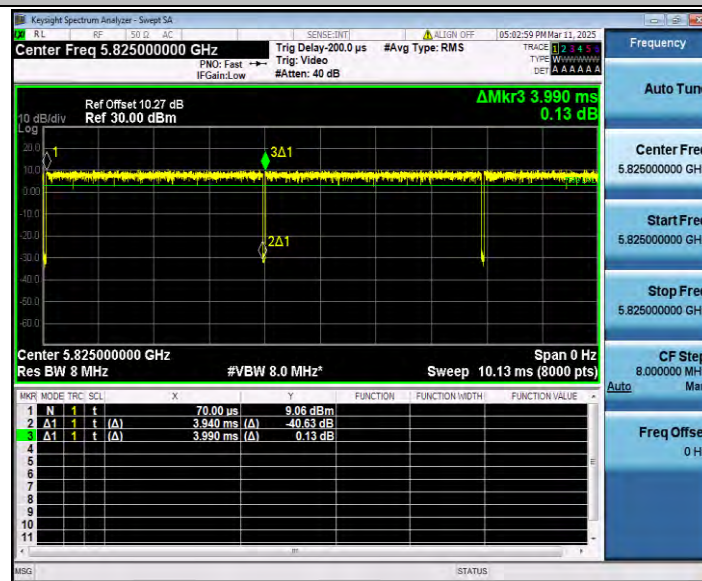
11AC20SISO_Ant1_5745



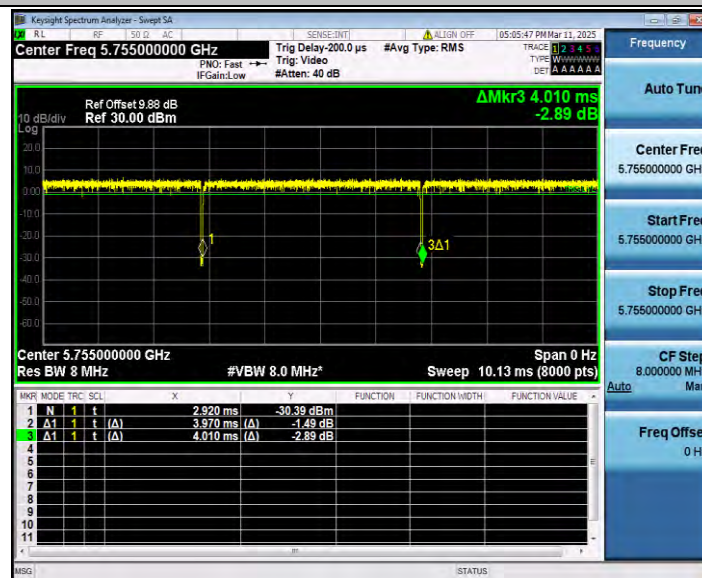
11AC20SISO_Ant1_5785



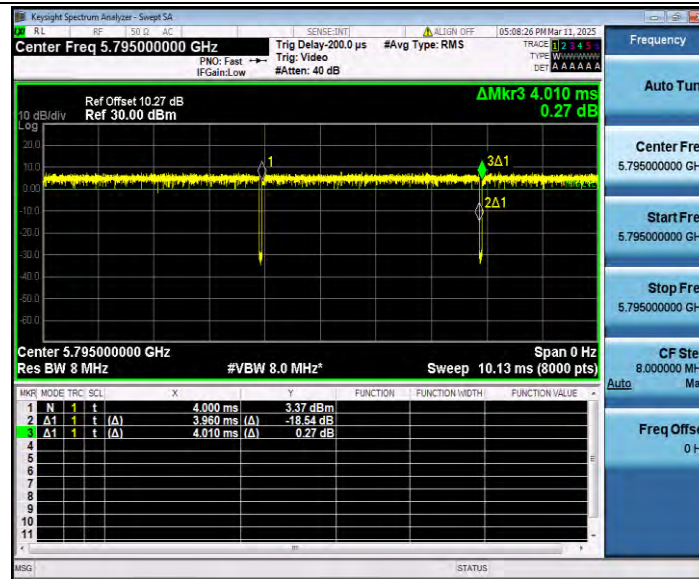
11AC20SISO_Ant1_5825



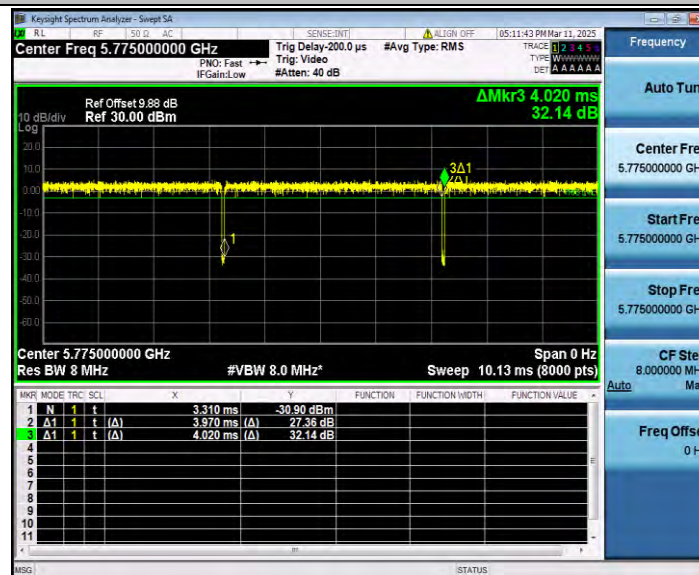
11AC40SISO_Ant1_5755



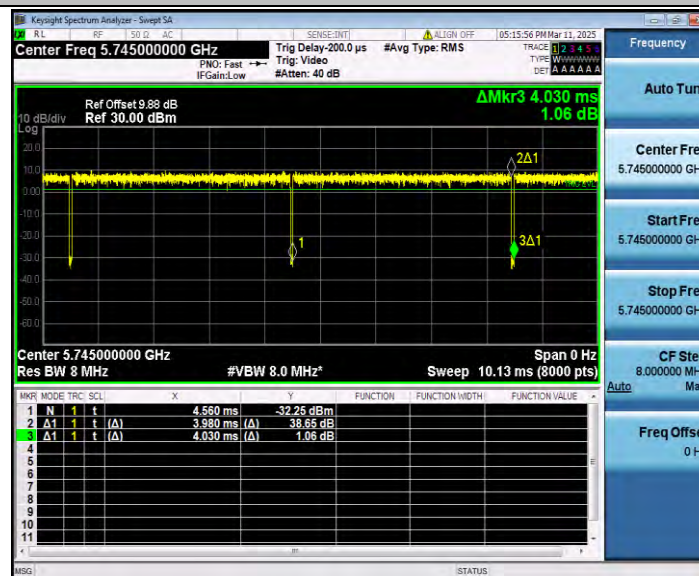
11AC40SISO_Ant1_5795



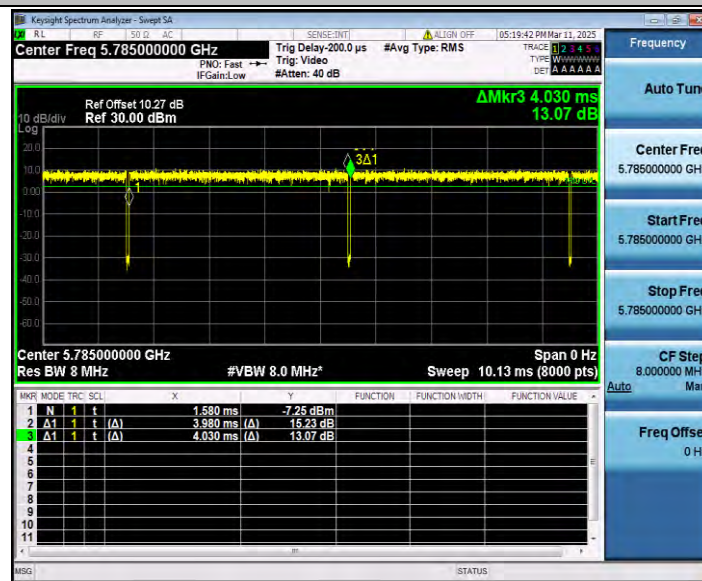
11AC80SISO_Ant1_5775



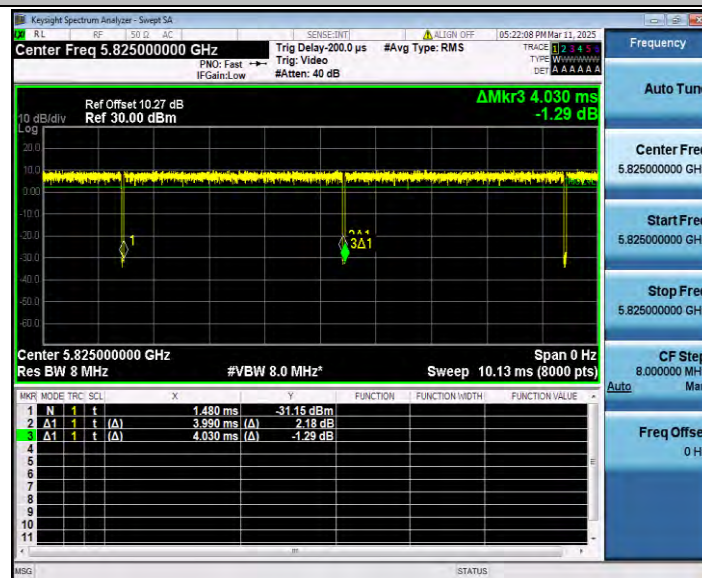
11AX20SISO_Ant1_5745



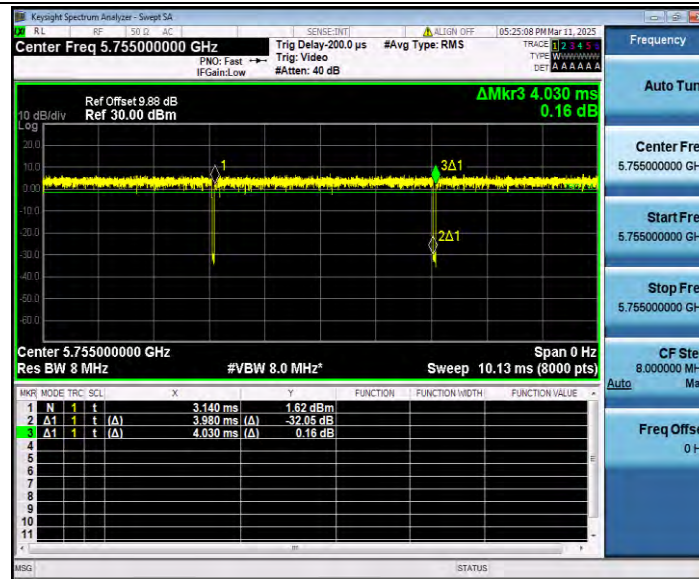
11AX20SISO_Ant1_5785



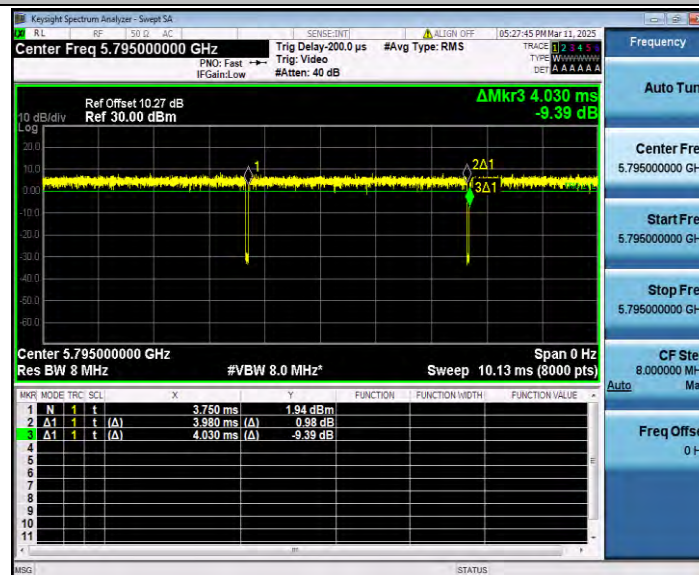
11AX20SISO_Ant1_5825



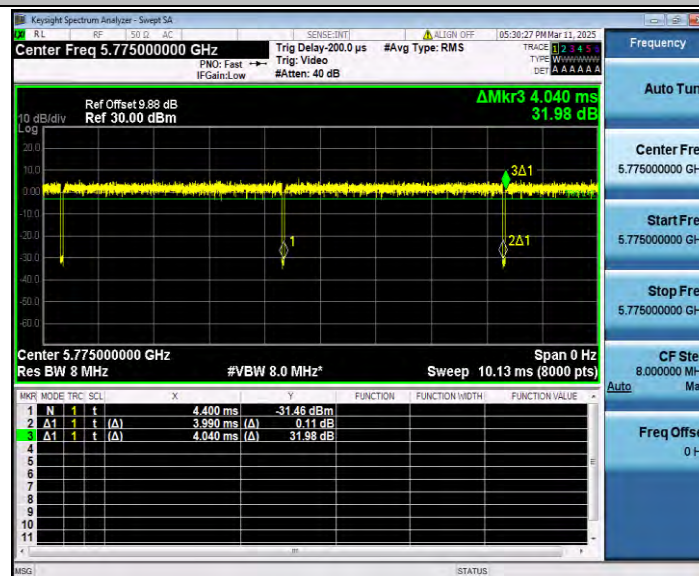
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix G.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	10.89	97.66	0.10	10.99	≤30.00	PASS
		5785	12.18	97.65	0.10	12.28	≤30.00	PASS
		5825	11.91	98.12	0.08	11.99	≤30.00	PASS
11N20SISO	Ant1	5745	11.07	99.00	0.04	11.11	≤30.00	PASS
		5785	11.64	99.00	0.04	11.68	≤30.00	PASS
		5825	11.64	98.76	0.05	11.69	≤30.00	PASS
11N40SISO	Ant1	5755	10.76	98.76	0.05	10.81	≤30.00	PASS
		5795	11.90	98.76	0.05	11.95	≤30.00	PASS
11AC20SISO	Ant1	5745	10.45	98.75	0.05	10.50	≤30.00	PASS
		5785	11.64	98.75	0.05	11.69	≤30.00	PASS
		5825	11.49	98.75	0.05	11.54	≤30.00	PASS
11AC40SISO	Ant1	5755	10.82	99.00	0.04	10.86	≤30.00	PASS
		5795	11.91	98.75	0.05	11.96	≤30.00	PASS
11AC80SISO	Ant1	5775	11.59	98.76	0.05	11.64	≤30.00	PASS
11AX20SISO	Ant1	5745	10.45	98.76	0.05	10.50	≤30.00	PASS
		5785	11.53	98.76	0.05	11.58	≤30.00	PASS
		5825	11.32	99.01	0.04	11.36	≤30.00	PASS
11AX40SISO	Ant1	5755	10.44	98.76	0.05	10.49	≤30.00	PASS
		5795	11.59	98.76	0.05	11.64	≤30.00	PASS
11AX80SISO	Ant1	5775	11.08	98.76	0.05	11.13	≤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	-3.44	≤30.00	PASS
		5785	-2.44	≤30.00	PASS
		5825	-2.56	≤30.00	PASS
11N20SISO	Ant1	5745	-3.78	≤30.00	PASS
		5785	-3.04	≤30.00	PASS
		5825	-3.35	≤30.00	PASS
11N40SISO	Ant1	5755	-6.49	≤30.00	PASS
		5795	-5.75	≤30.00	PASS
11AC20SISO	Ant1	5745	-4.42	≤30.00	PASS
		5785	-3.08	≤30.00	PASS
		5825	-3.45	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.57	≤30.00	PASS
		5795	-5.77	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.47	≤30.00	PASS
11AX20SISO	Ant1	5745	-4.60	≤30.00	PASS
		5785	-3.65	≤30.00	PASS
		5825	-3.93	≤30.00	PASS
11AX40SISO	Ant1	5755	-7.27	≤30.00	PASS
		5795	-6.40	≤30.00	PASS
11AX80SISO	Ant1	5775	-9.05	≤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



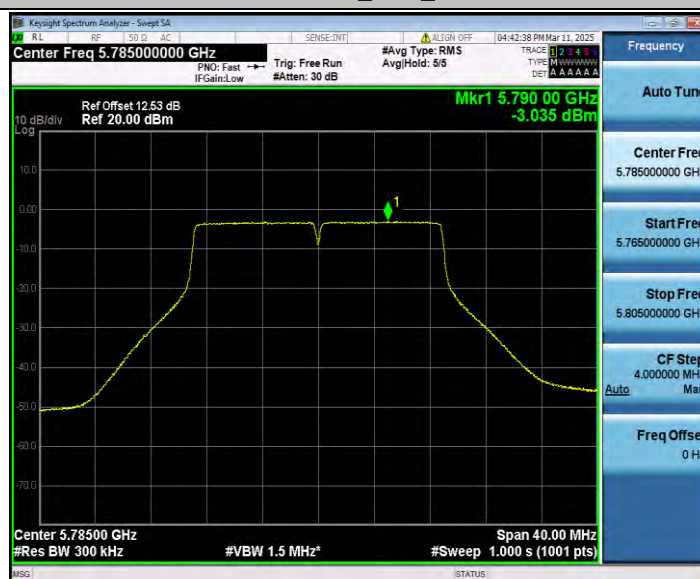
11A_Ant1_5825



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



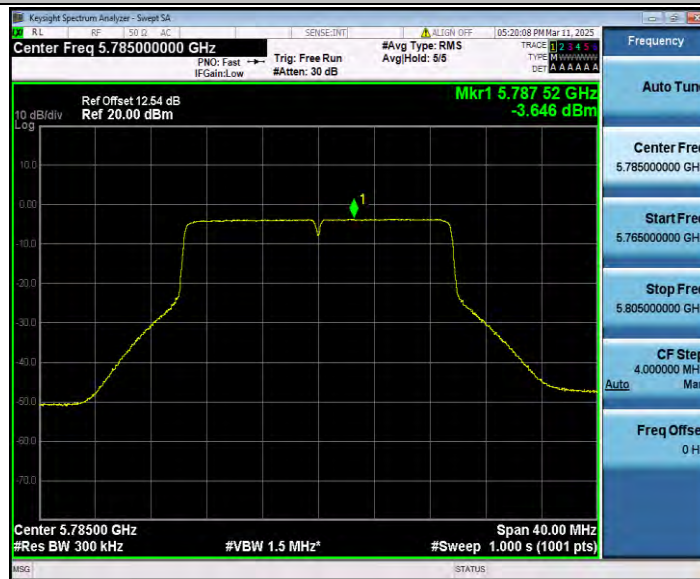
11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

