

Case No. : <u>GTS20250219002-1-06</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.3.18</u>	Test Engineer: <u>Evan ouyang</u>

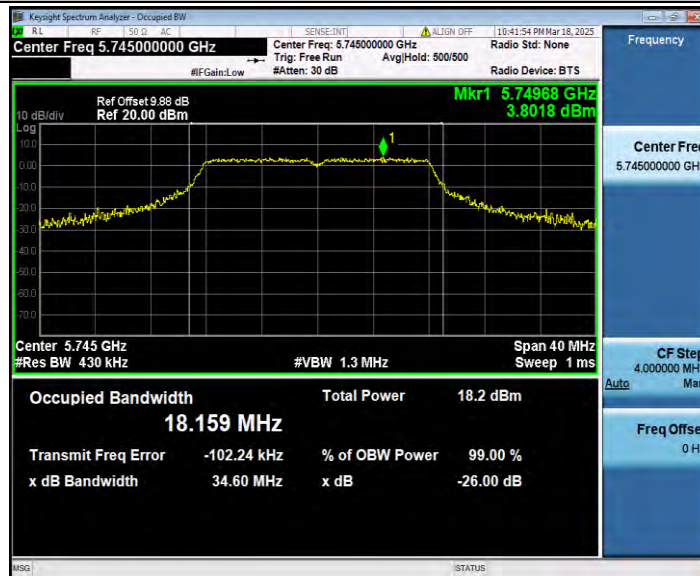
Appendix G.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	18.159	5735.8183	5753.9773	---	---
		5785	17.989	5775.9023	5793.8913	---	---
		5825	17.997	5816.0383	5834.0353	---	---
11N20SISO	Ant1	5745	19.170	5735.3602	5754.5302	---	---
		5785	19.041	5775.4182	5794.4592	---	---
		5825	18.953	5815.5503	5834.5033	---	---
11N40SISO	Ant1	5755	37.943	5736.0146	5773.9576	---	---
		5795	37.762	5776.1162	5813.8782	---	---
11AC20SISO	Ant1	5745	19.241	5735.3355	5754.5765	---	---
		5785	19.080	5775.4002	5794.4802	---	---
		5825	19.056	5815.5368	5834.5928	---	---
11AC40SISO	Ant1	5755	37.929	5736.0063	5773.9353	---	---
		5795	37.755	5776.0820	5813.8370	---	---
11AC80SISO	Ant1	5775	77.179	5736.2753	5813.4543	---	---
11AX20SISO	Ant1	5745	19.727	5735.0854	5754.8124	---	---
		5785	19.647	5775.1416	5794.7886	---	---
		5825	19.617	5815.2402	5834.8572	---	---
11AX40SISO	Ant1	5755	38.687	5735.6319	5774.3189	---	---
		5795	38.573	5775.6403	5814.2133	---	---
11AX80SISO	Ant1	5775	78.602	5735.6355	5814.2375	---	---

Test Graphs

11A_Ant1_5745



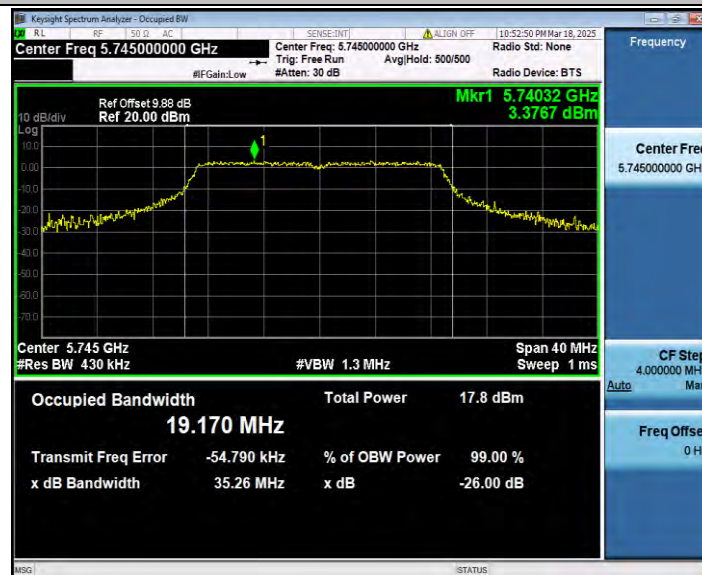
11A_Ant1_5785



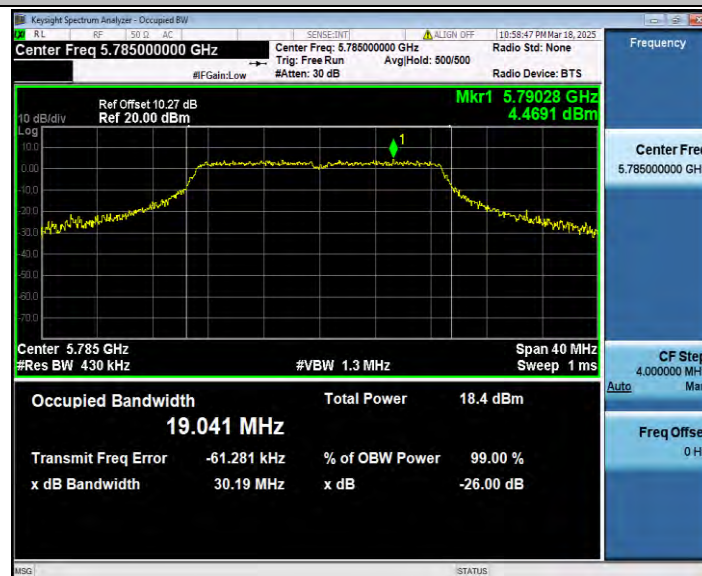
11A_Ant1_5825



11N20SISO_Ant1_5745



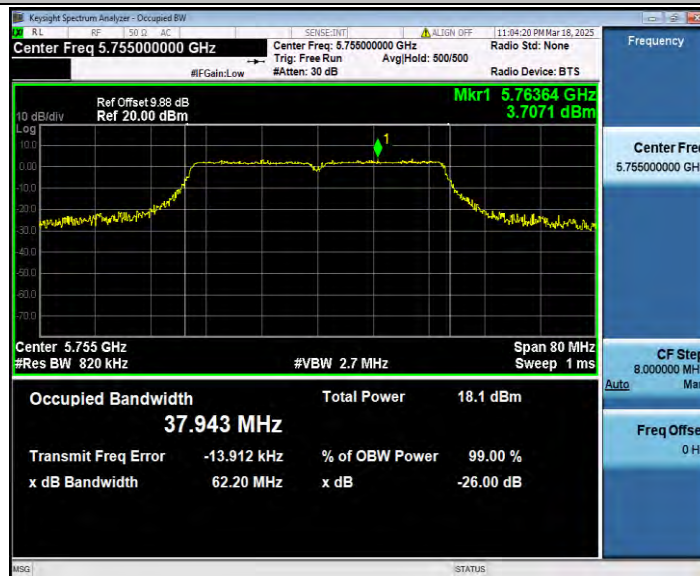
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



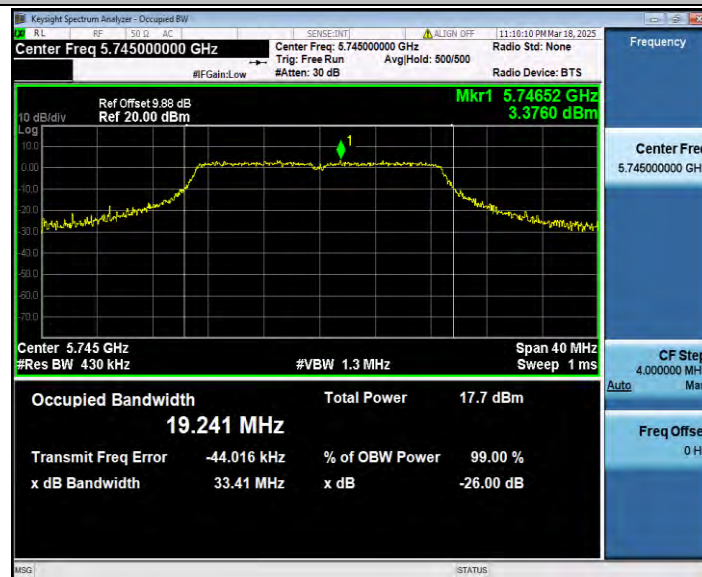
11N40SISO_Ant1_5755



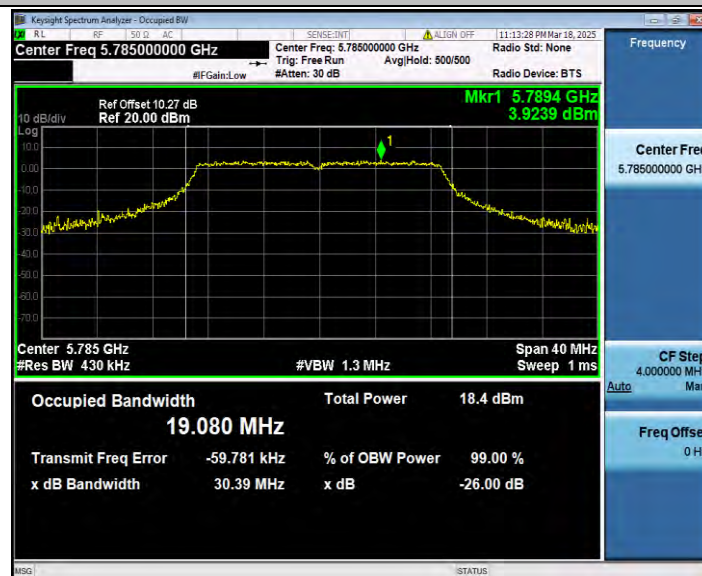
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



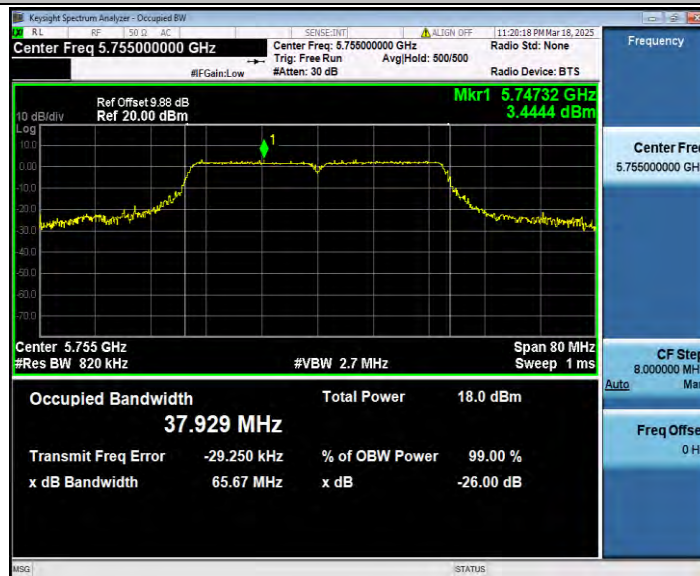
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



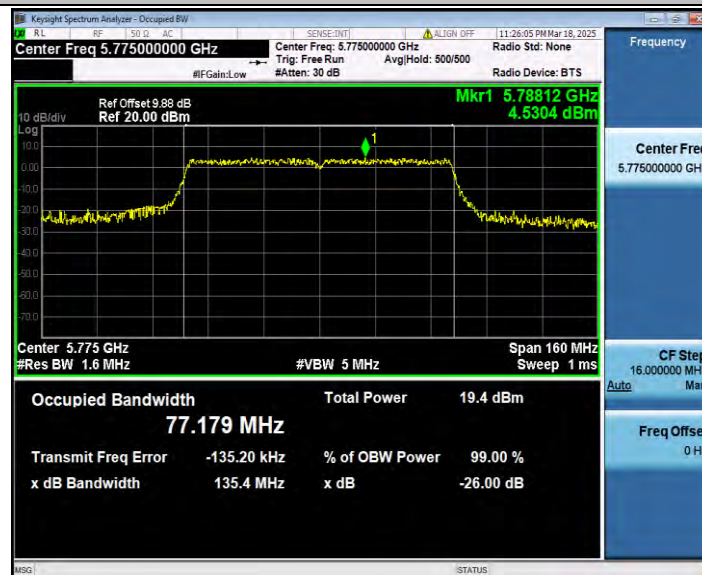
11AC40SISO_Ant1_5755



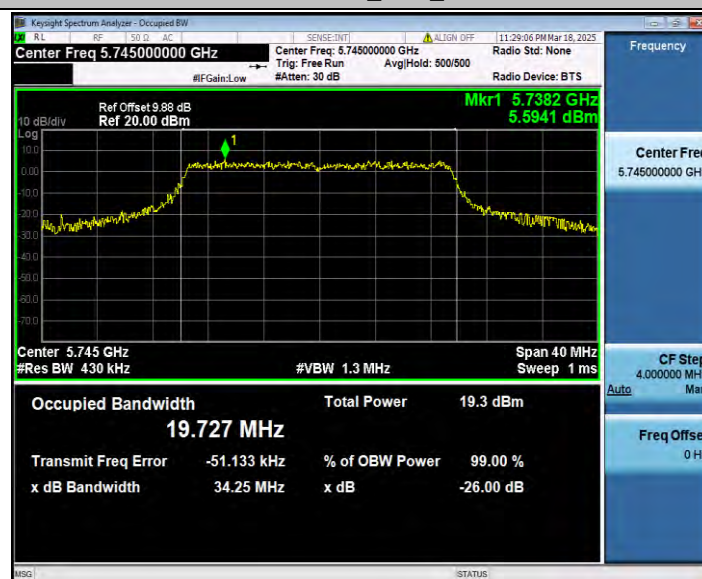
11AC40SISO_Ant1_5795



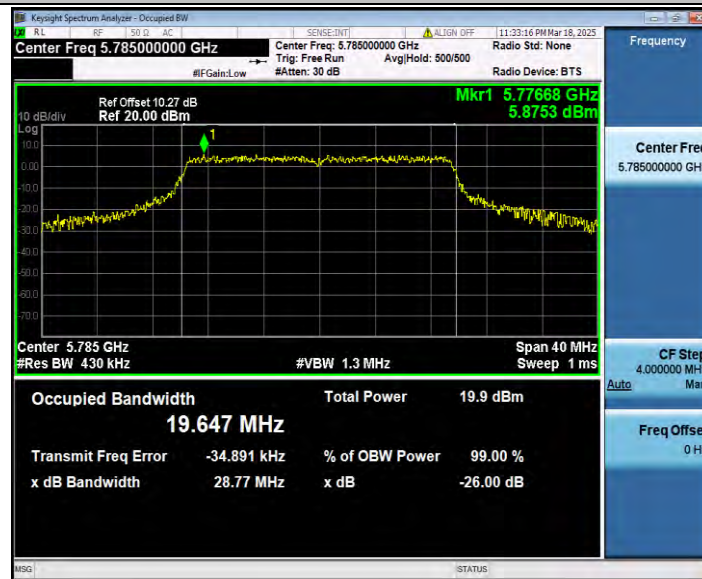
11AC80SISO_Ant1_5775



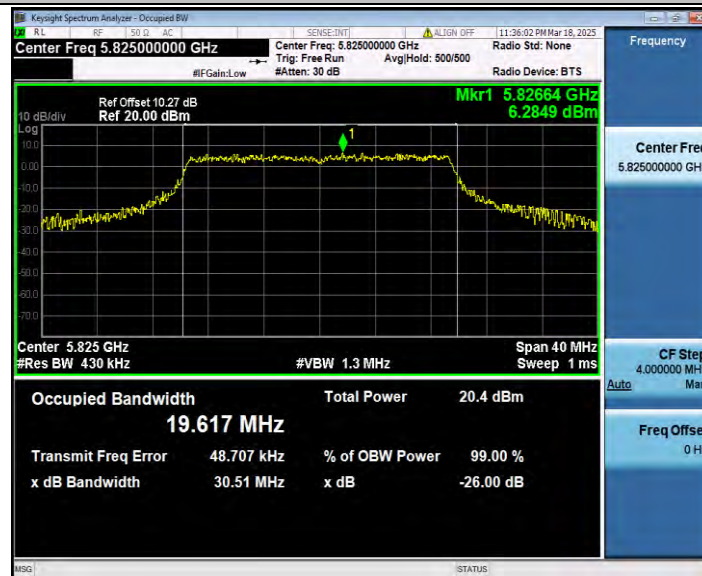
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



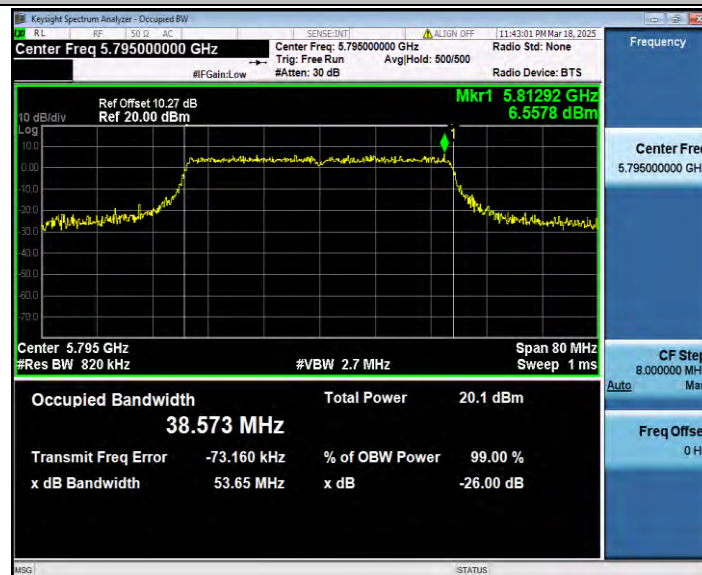
11AX20SISO_Ant1_5825



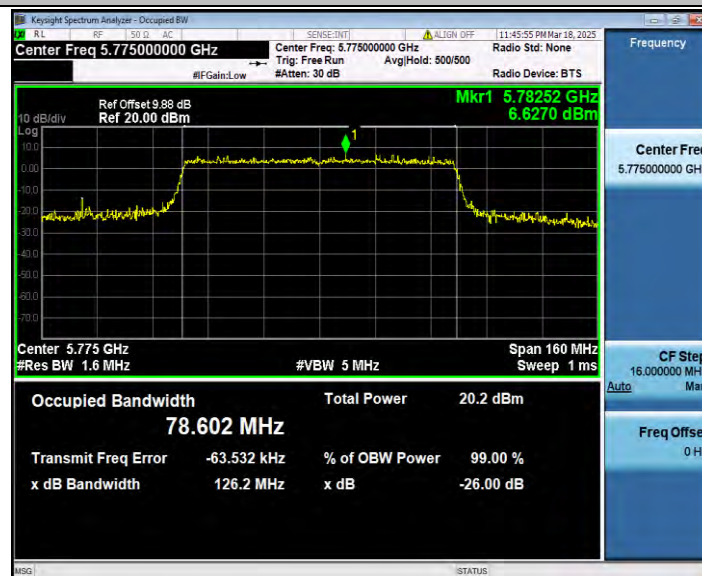
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

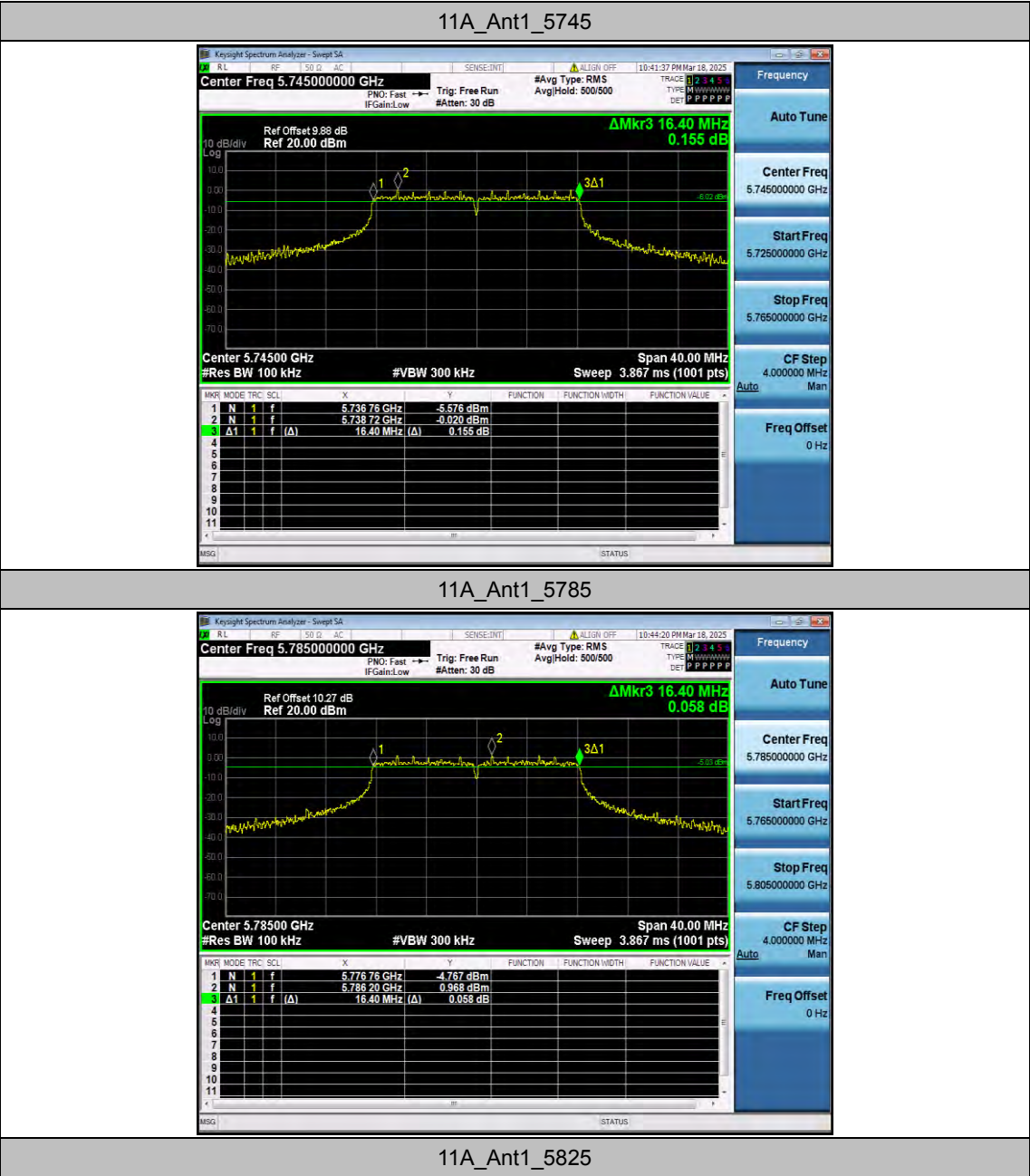


Appendix G.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.760	5753.160	0.5	PASS
		5785	16.400	5776.760	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	76.320	5736.760	5813.080	0.5	PASS
11AX20SISO	Ant1	5745	19.000	5735.480	5754.480	0.5	PASS
		5785	19.000	5775.440	5794.440	0.5	PASS
		5825	18.960	5815.520	5834.480	0.5	PASS
11AX40SISO	Ant1	5755	38.080	5735.960	5774.040	0.5	PASS
		5795	38.080	5775.960	5814.040	0.5	PASS
11AX80SISO	Ant1	5775	78.080	5735.960	5814.040	0.5	PASS

Test Graphs B4



11A_Ant1_5785

11A_Ant1_5825



11N20SISO_Ant1_5745



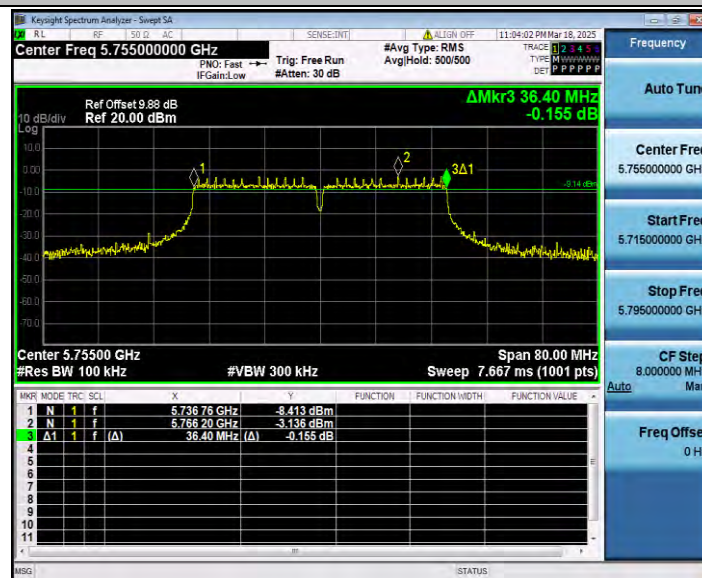
11N20SISO_Ant1_5785



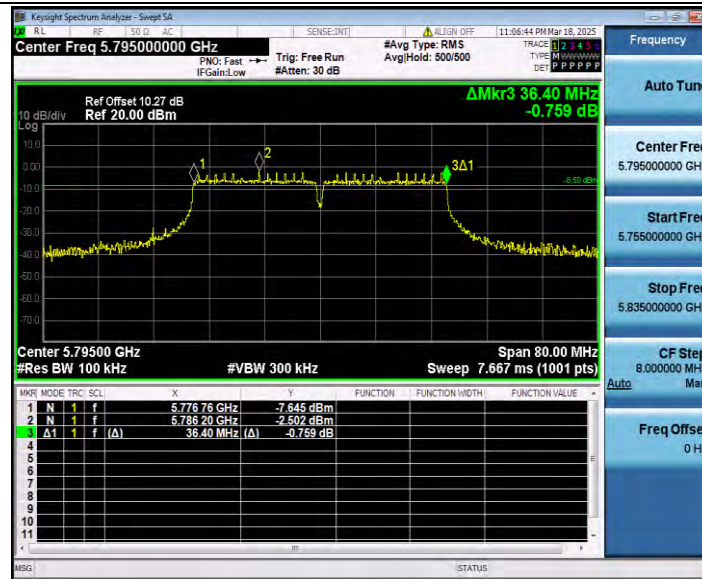
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



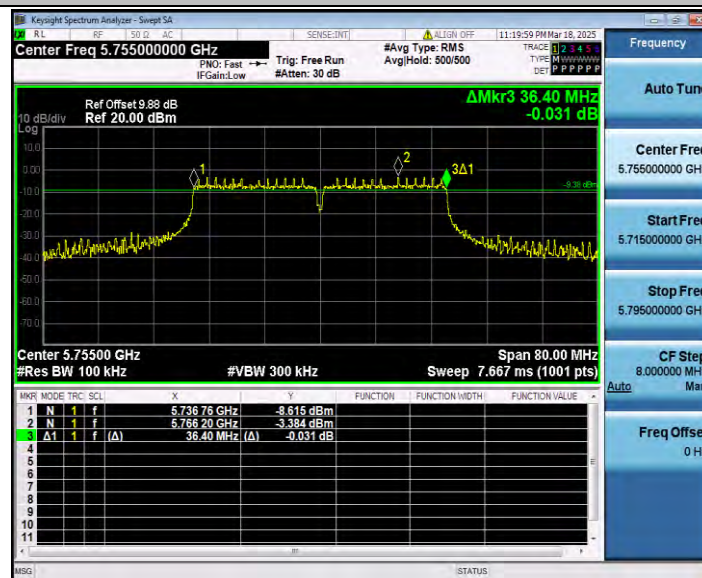
11AC20SISO_Ant1_5785



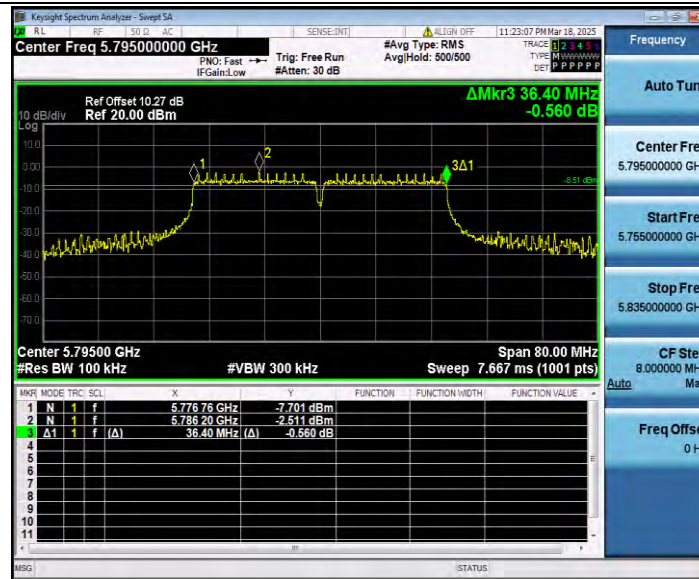
11AC20SISO_Ant1_5825



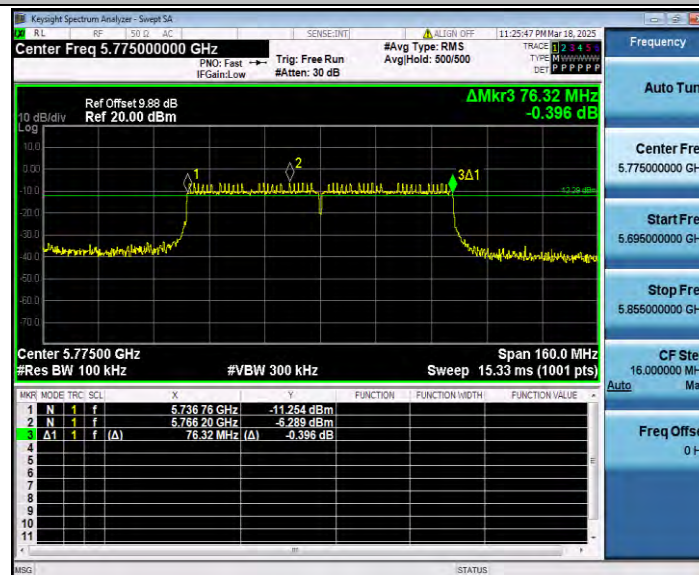
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755

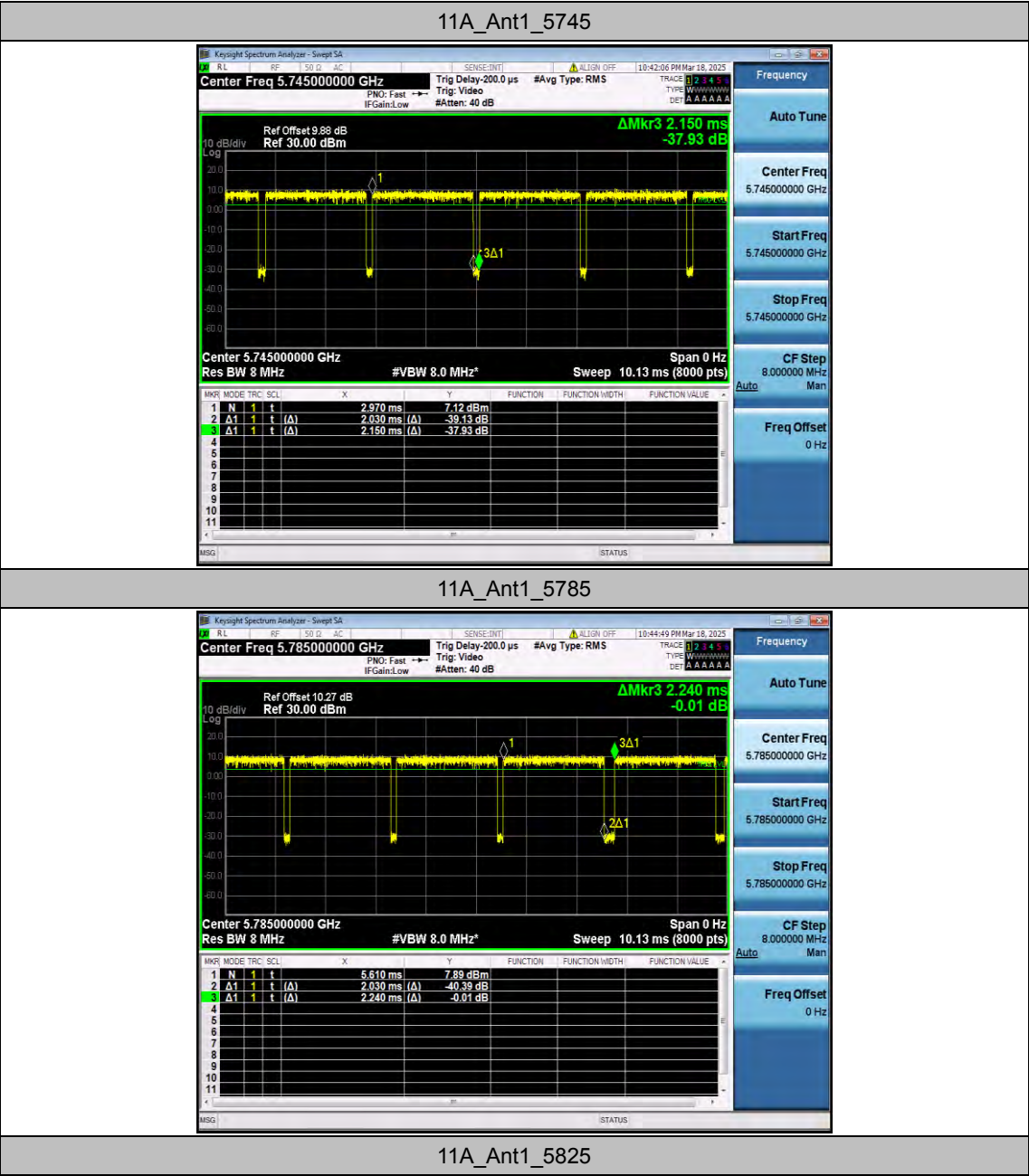


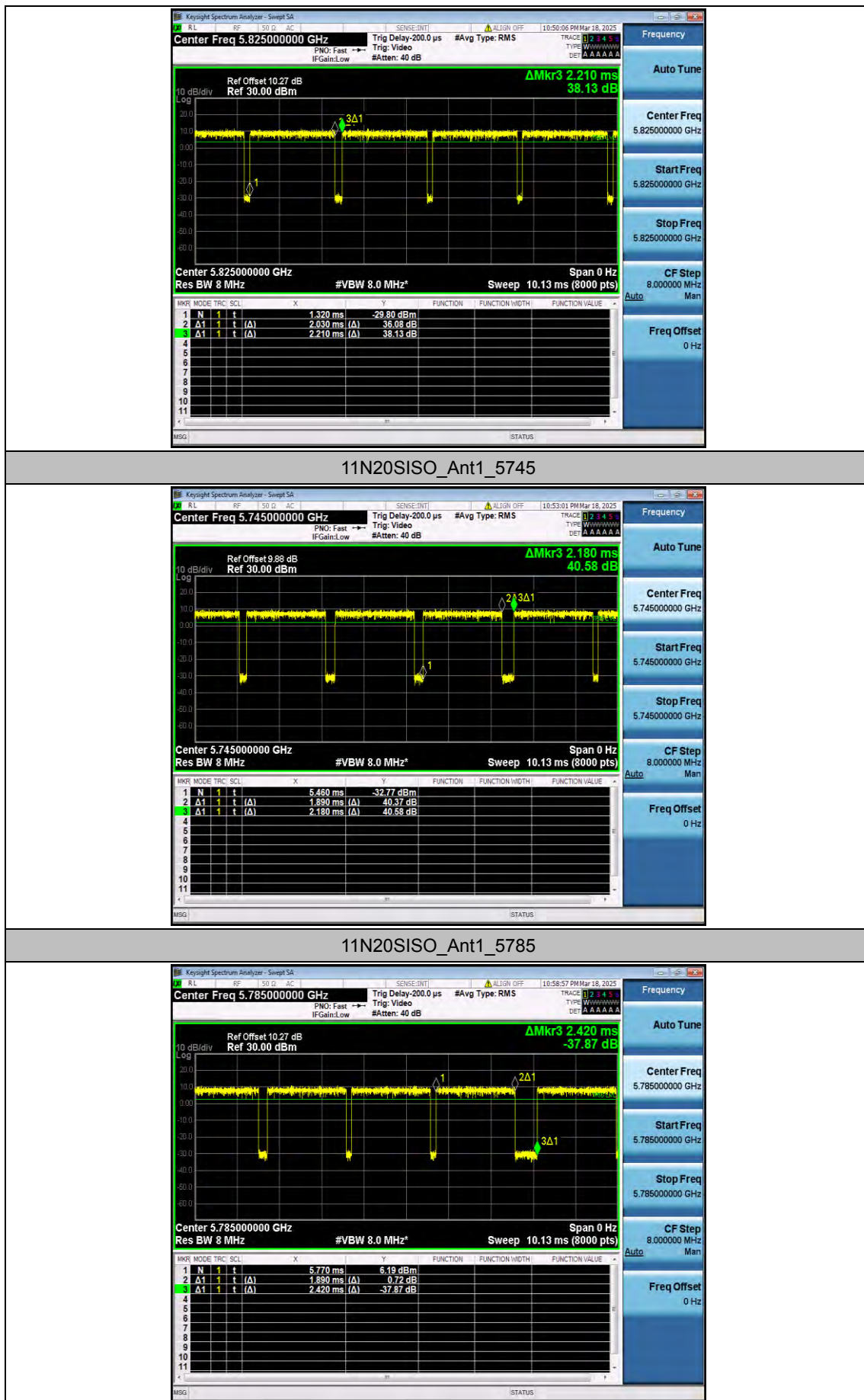
Appendix G.3: Duty Cycle

Test Result

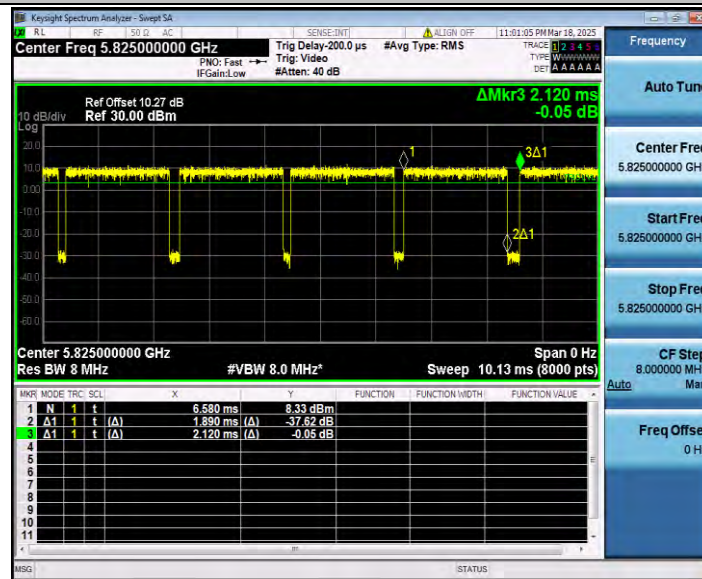
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	2.03	2.15	94.42	0.25	0.49
		5785	2.03	2.24	90.63	0.43	0.49
		5825	2.03	2.21	91.86	0.37	0.49
11N20SISO	Ant1	5745	1.89	2.18	86.70	0.62	0.53
		5785	1.89	2.42	78.10	1.07	0.53
		5825	1.89	2.12	89.15	0.50	0.53
11N40SISO	Ant1	5755	0.93	1.15	80.87	0.92	1.08
		5795	0.93	1.17	79.49	1.00	1.08
11AC20SISO	Ant1	5745	1.90	2.27	83.70	0.77	0.53
		5785	1.90	2.06	92.23	0.35	0.53
		5825	1.90	2.11	90.05	0.46	0.53
11AC40SISO	Ant1	5755	0.94	1.27	74.02	1.31	1.06
		5795	0.93	1.26	73.81	1.32	1.08
11AC80SISO	Ant1	5775	0.46	0.71	64.79	1.88	2.17
11AX20SISO	Ant1	5745	1.46	2.26	64.60	1.90	0.68
		5785	1.46	1.80	81.11	0.91	0.68
		5825	1.46	1.65	88.48	0.53	0.68
11AX40SISO	Ant1	5755	0.76	1.65	46.06	3.37	1.32
		5795	0.77	1.03	74.76	1.26	1.30
11AX80SISO	Ant1	5775	0.39	0.70	55.71	2.54	2.56

Test Graphs

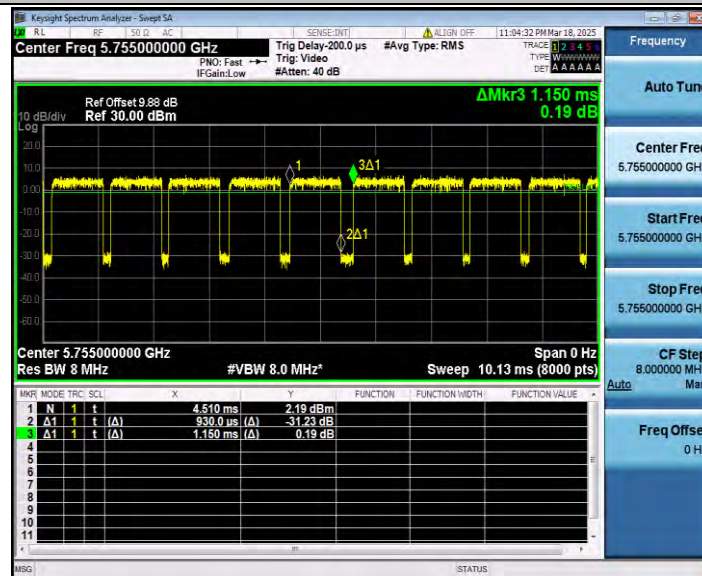




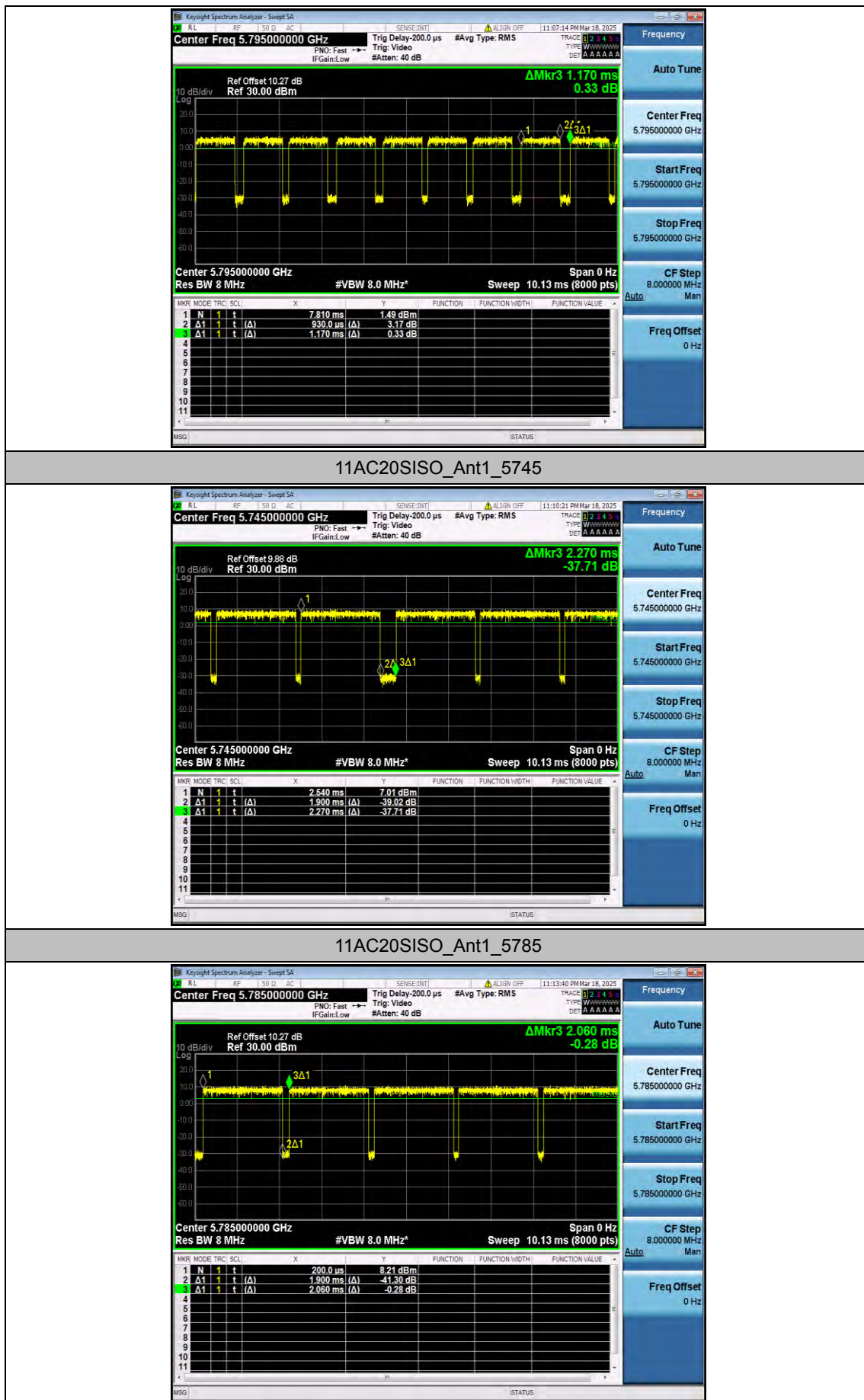
11N20SISO_Ant1_5825



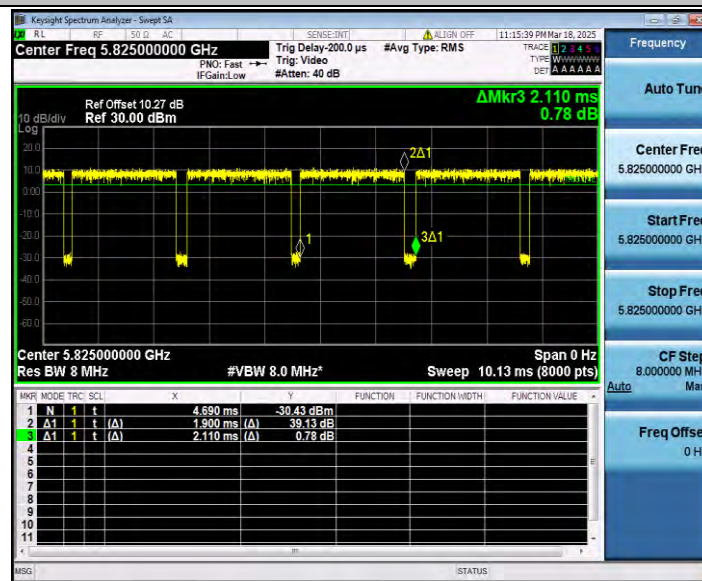
11N40SISO_Ant1_5755



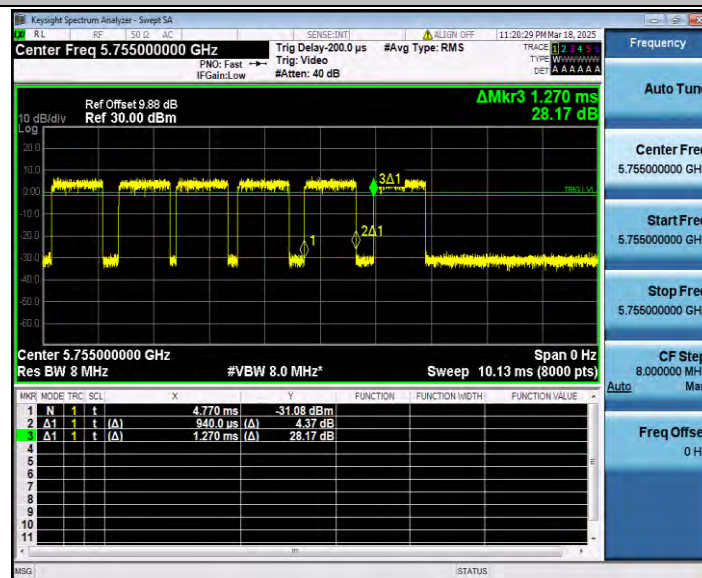
11N40SISO_Ant1_5795



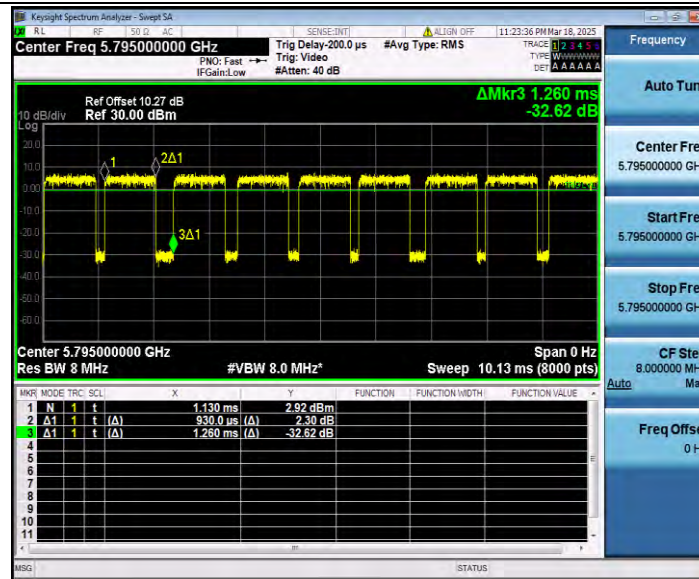
11AC20SISO_Ant1_5825



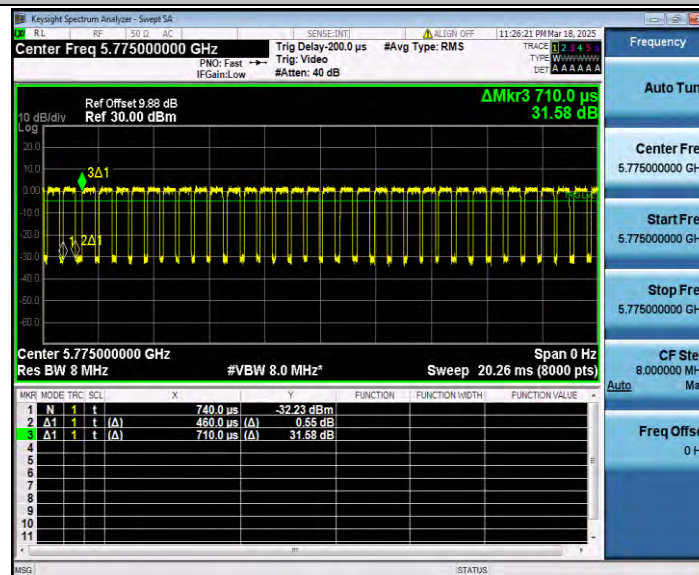
11AC40SISO_Ant1_5755



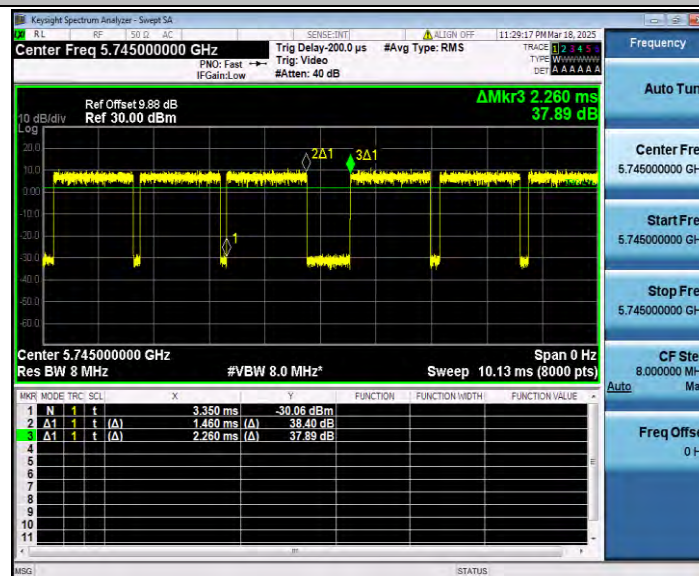
11AC40SISO_Ant1_5795



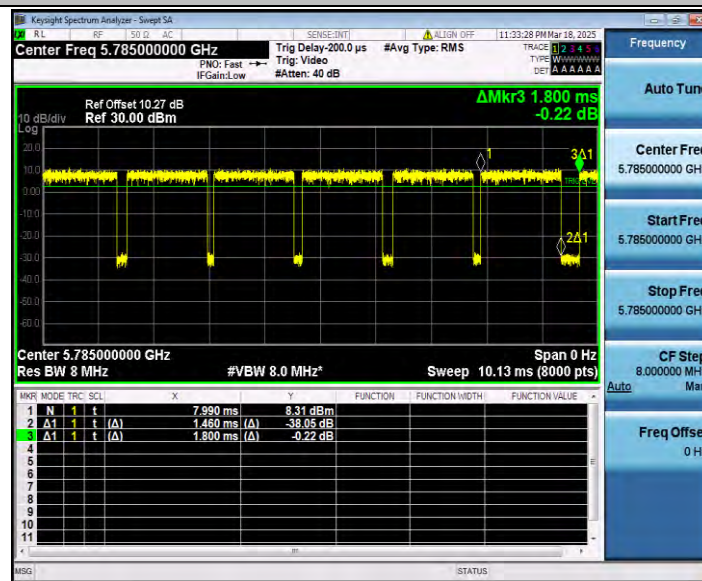
11AC80SISO_Ant1_5775



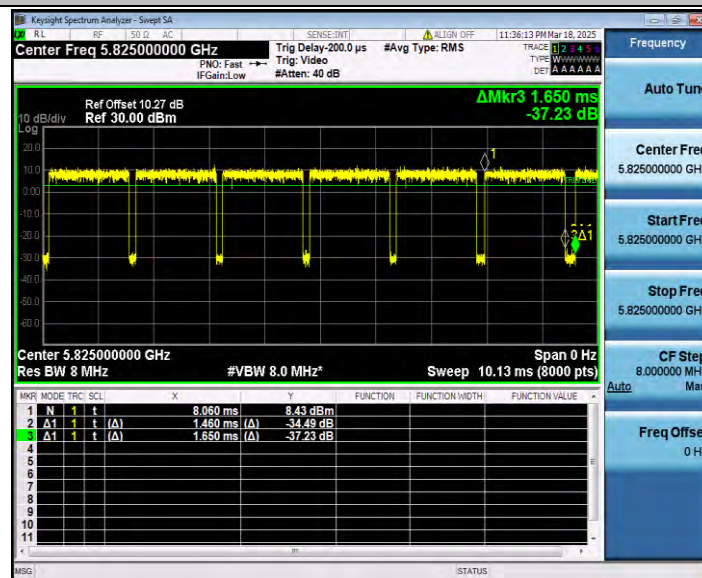
11AX20SISO_Ant1_5745



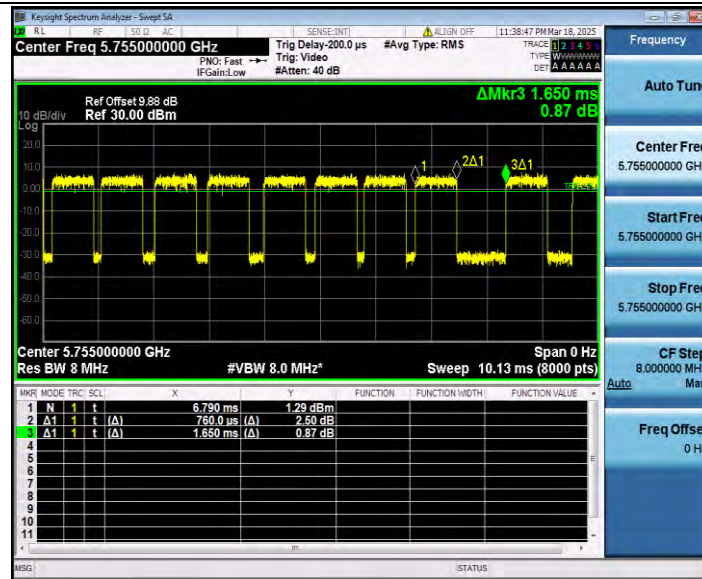
11AX20SISO_Ant1_5785



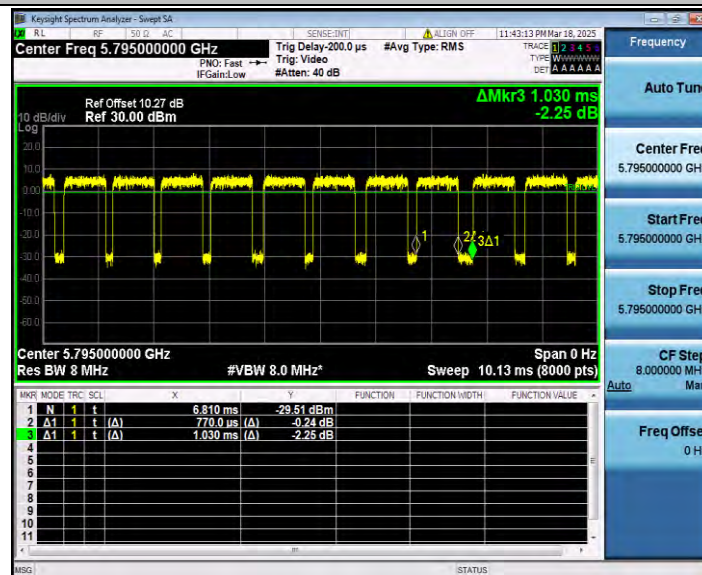
11AX20SISO_Ant1_5825



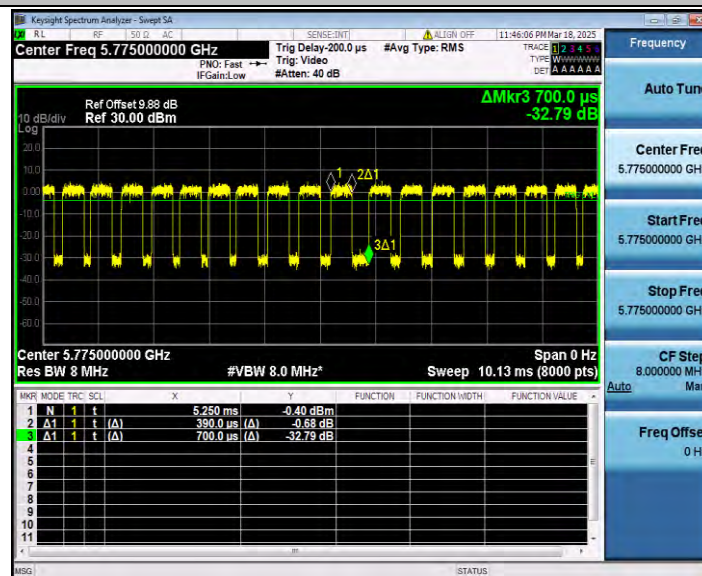
11AX40SISO_Ant1_5755



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	10.30	94.42	0.25	10.55	≤30.00	PASS
		5785	11.78	90.63	0.43	12.21	≤30.00	PASS
		5825	11.76	91.86	0.37	12.13	≤30.00	PASS
11N20SISO	Ant1	5745	10.32	86.70	0.62	10.94	≤30.00	PASS
		5785	11.13	78.10	1.07	12.20	≤30.00	PASS
		5825	11.71	89.15	0.50	12.21	≤30.00	PASS
11N40SISO	Ant1	5755	9.71	80.87	0.92	10.63	≤30.00	PASS
		5795	10.23	79.49	1.00	11.23	≤30.00	PASS
11AC20SISO	Ant1	5745	10.25	83.70	0.77	11.02	≤30.00	PASS
		5785	10.99	92.23	0.35	11.34	≤30.00	PASS
		5825	11.66	90.05	0.46	12.12	≤30.00	PASS
11AC40SISO	Ant1	5755	9.59	74.02	1.31	10.90	≤30.00	PASS
		5795	10.69	73.81	1.32	12.01	≤30.00	PASS
11AC80SISO	Ant1	5775	8.10	64.79	1.88	9.98	≤30.00	PASS
11AX20SISO	Ant1	5745	10.22	64.60	1.90	12.12	≤30.00	PASS
		5785	11.09	81.11	0.91	12.00	≤30.00	PASS
		5825	11.63	88.48	0.53	12.16	≤30.00	PASS
11AX40SISO	Ant1	5755	9.88	46.06	3.37	13.25	≤30.00	PASS
		5795	10.60	74.76	1.26	11.86	≤30.00	PASS
11AX80SISO	Ant1	5775	9.72	55.71	2.54	12.26	≤30.00	PASS

Appendix G.5: Maximum power spectral density

Test Result

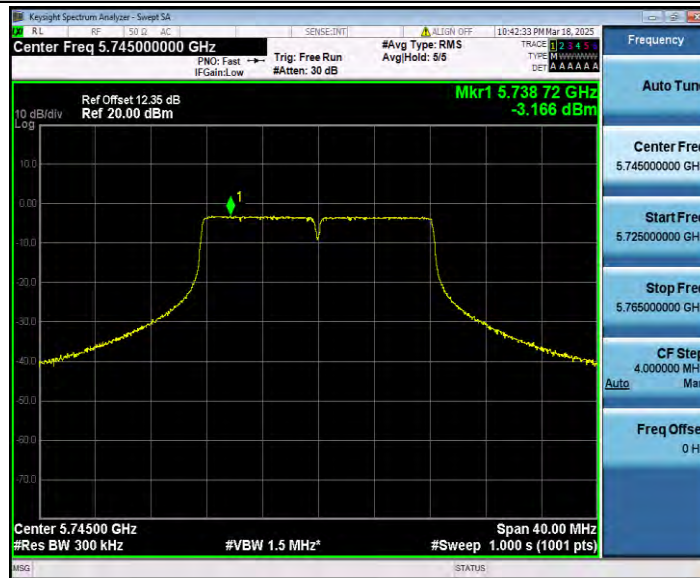
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-3.17	≤30.00	PASS
		5785	-2.42	≤30.00	PASS
		5825	-2.15	≤30.00	PASS
11N20SISO	Ant1	5745	-3.41	≤30.00	PASS
		5785	-2.25	≤30.00	PASS
		5825	-2.38	≤30.00	PASS
11N40SISO	Ant1	5755	-6.27	≤30.00	PASS
		5795	-5.73	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.38	≤30.00	PASS
		5785	-3.02	≤30.00	PASS
		5825	-2.30	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.99	≤30.00	PASS
		5795	-5.26	≤30.00	PASS
11AC80SISO	Ant1	5775	-9.02	≤30.00	PASS
11AX20SISO	Ant1	5745	-2.54	≤30.00	PASS
		5785	-2.89	≤30.00	PASS
		5825	-2.65	≤30.00	PASS
11AX40SISO	Ant1	5755	-4.28	≤30.00	PASS
		5795	-5.83	≤30.00	PASS
11AX80SISO	Ant1	5775	-8.49	≤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



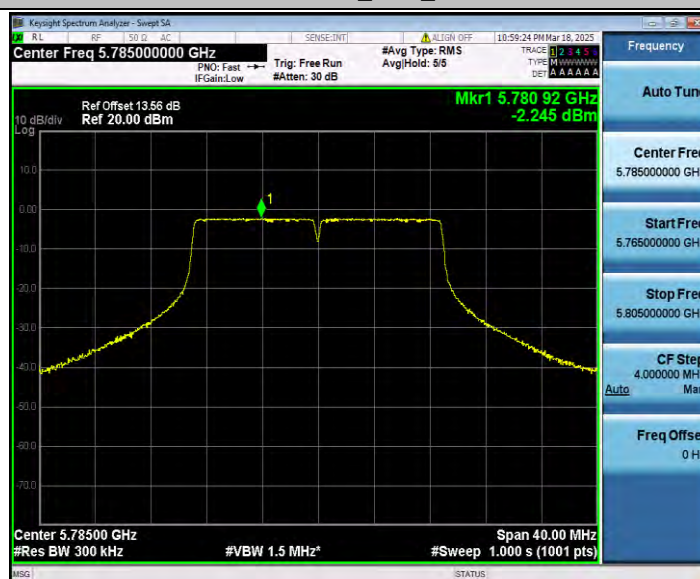
11A_Ant1_5825



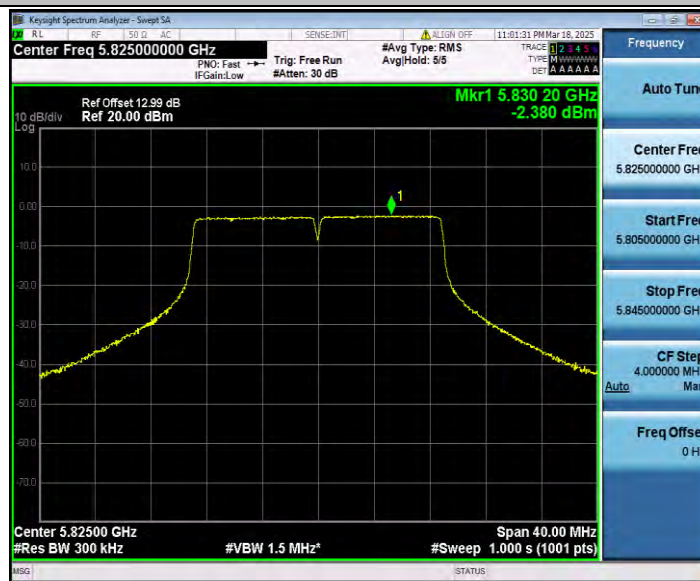
11N20SISO_Ant1_5745



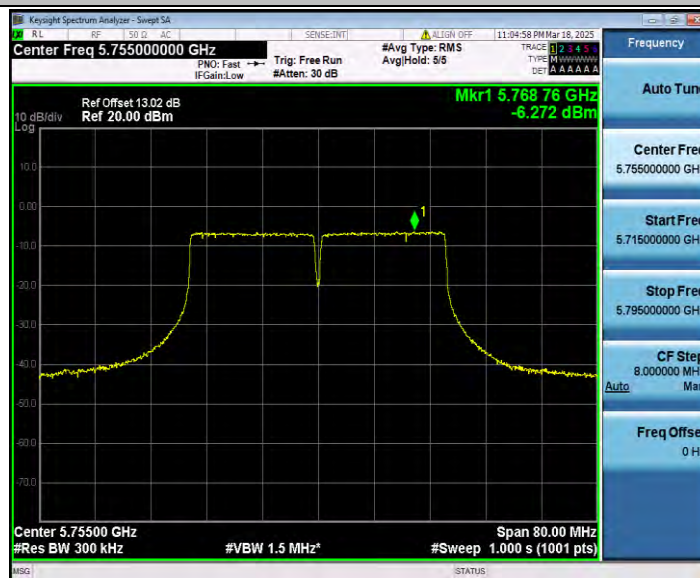
11N20SISO_Ant1_5785



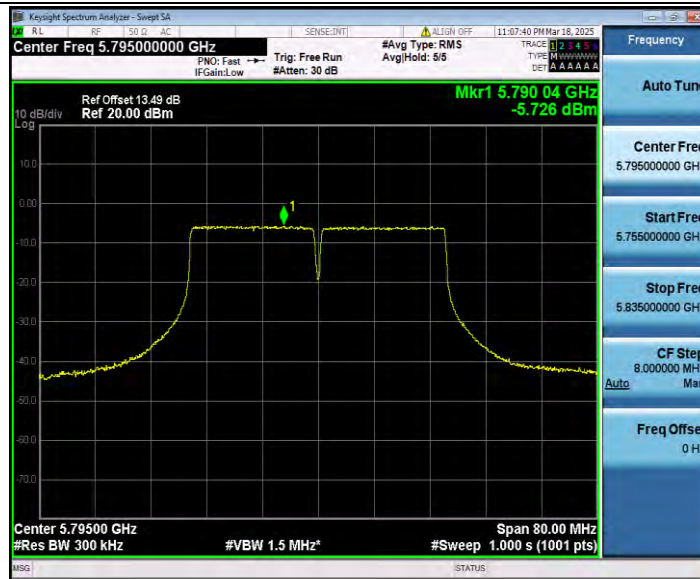
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



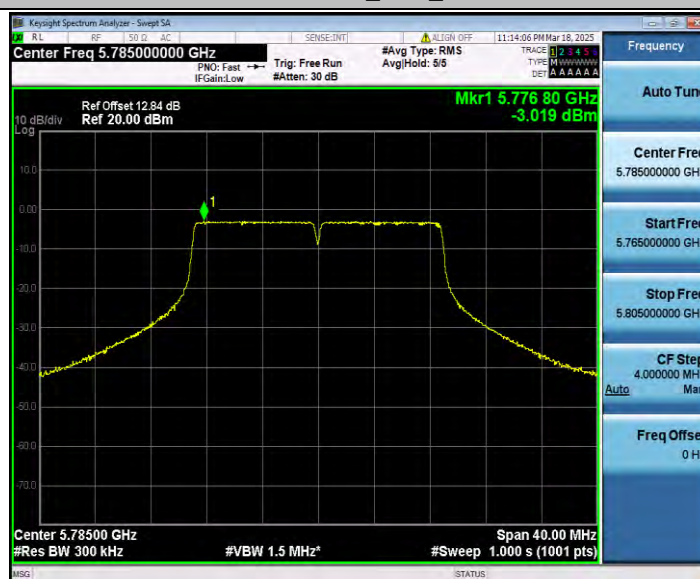
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



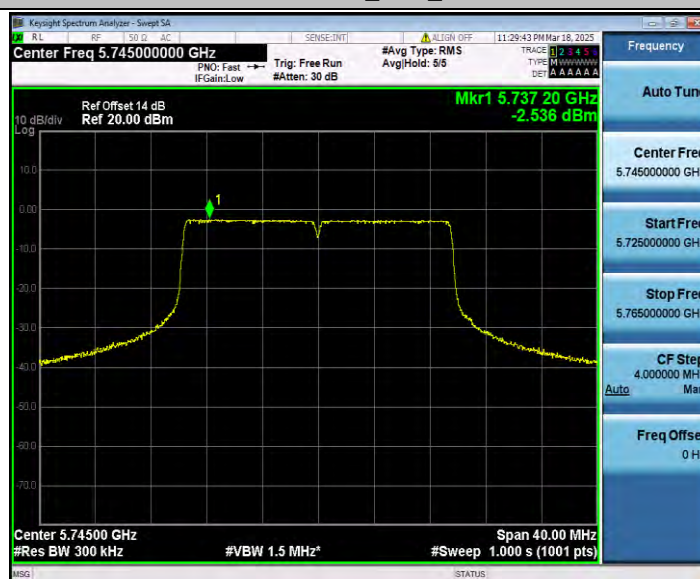
11AC40SISO_Ant1_5795



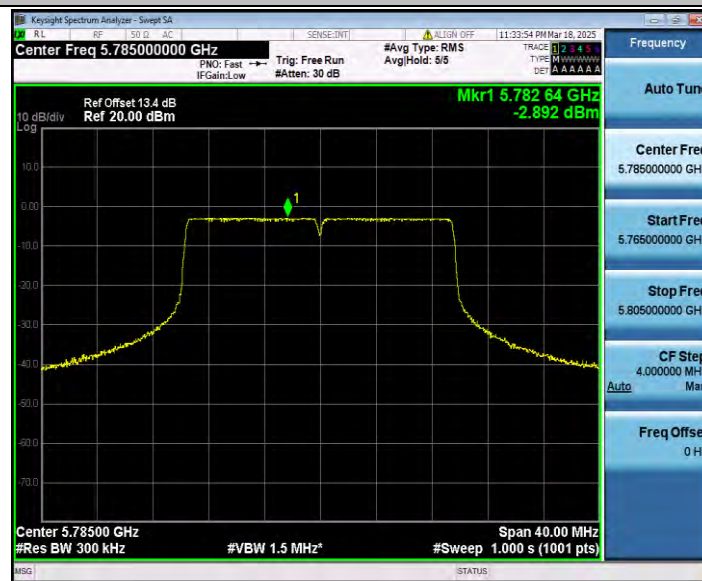
11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

