

Case No. : GTS20231208004-1-65	
Ambient Condition: 21 °C, 49 %RH	
According Standard: ■Part15E	
Test Date: 2024.2.29	Test Engineer: Evan ouyang

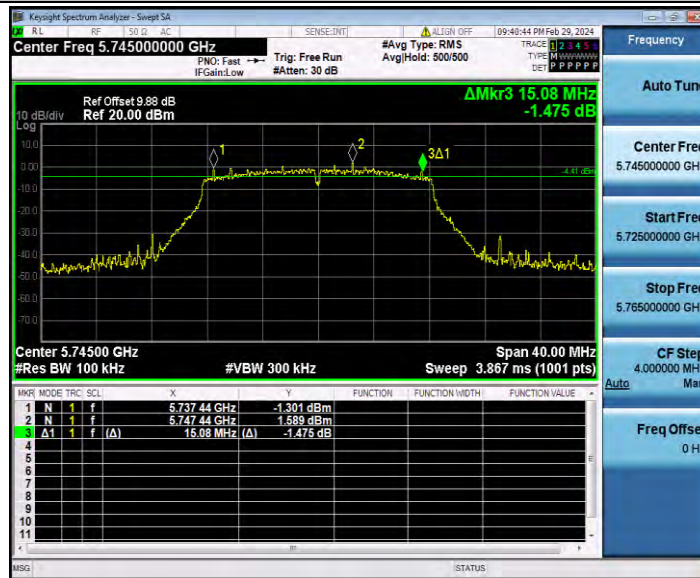
Appendix G.1: Min emission bandwidth

Test Result

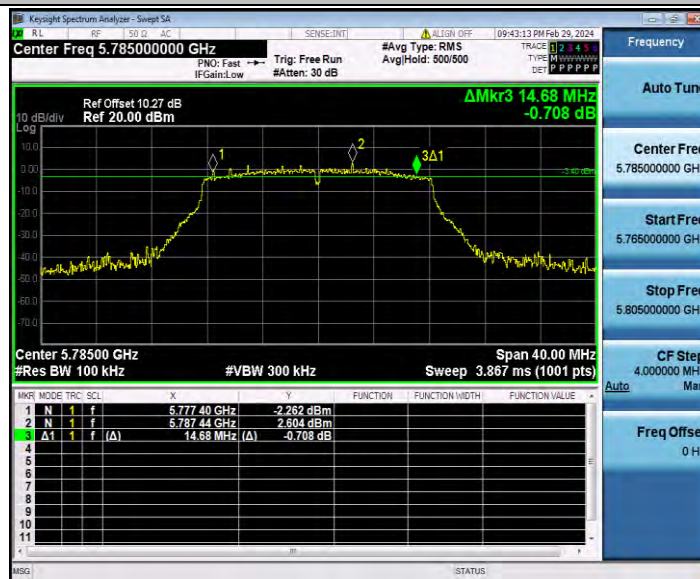
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	14.680	5777.400	5792.080	0.5	PASS
		5825	14.760	5817.720	5832.480	0.5	PASS
11N20SISO	Ant1	5745	15.080	5737.400	5752.480	0.5	PASS
		5785	15.120	5777.400	5792.520	0.5	PASS
		5825	15.360	5817.080	5832.440	0.5	PASS
11N40SISO	Ant1	5755	33.840	5738.680	5772.520	0.5	PASS
		5795	33.760	5778.680	5812.440	0.5	PASS
11AC20SISO	Ant1	5745	13.840	5738.680	5752.520	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.040	5817.400	5832.440	0.5	PASS
11AC40SISO	Ant1	5755	33.840	5738.680	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AX20SISO	Ant1	5745	15.080	5737.400	5752.480	0.5	PASS
		5785	14.800	5777.400	5792.200	0.5	PASS
		5825	15.760	5817.000	5832.760	0.5	PASS
11AX40SISO	Ant1	5755	33.040	5737.400	5770.440	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS

Test Graphs

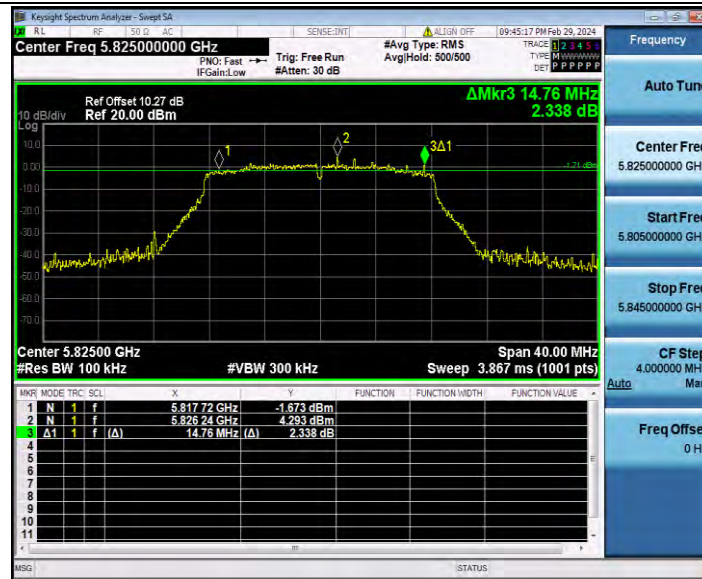
11A_Ant1_5745



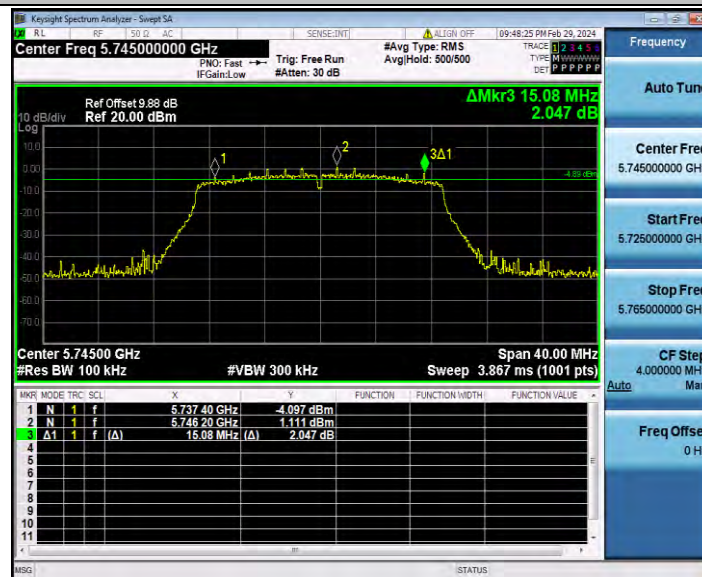
11A_Ant1_5785



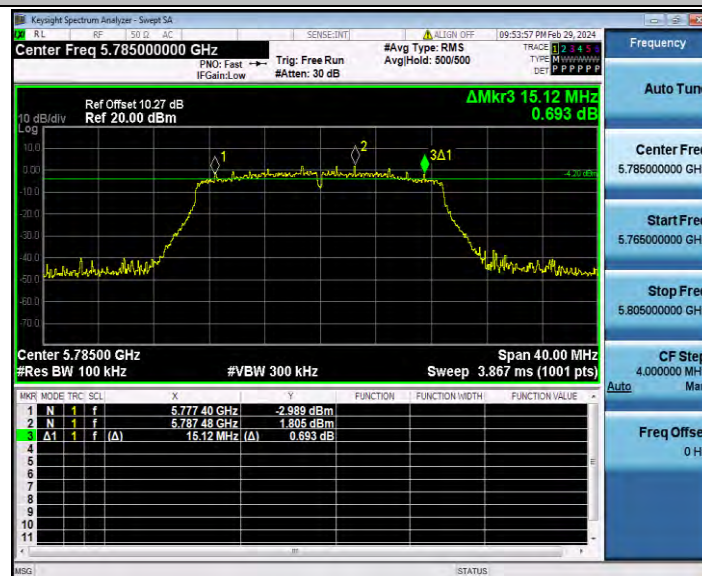
11A_Ant1_5825



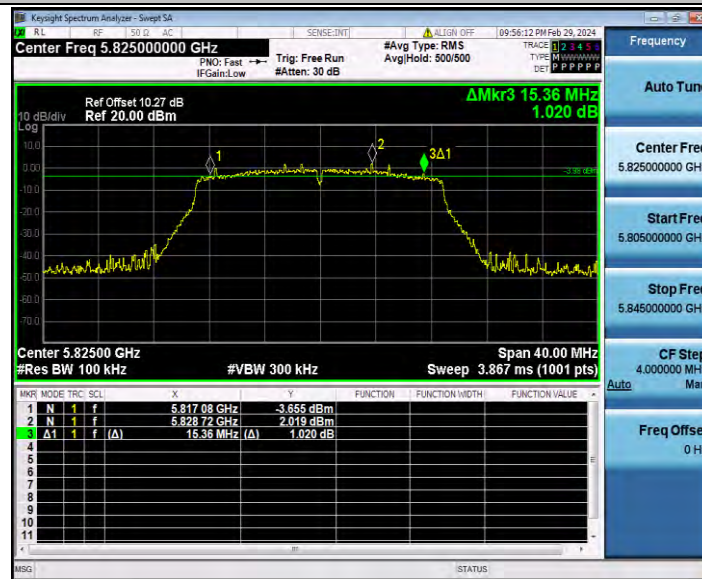
11N20SISO_Ant1_5745



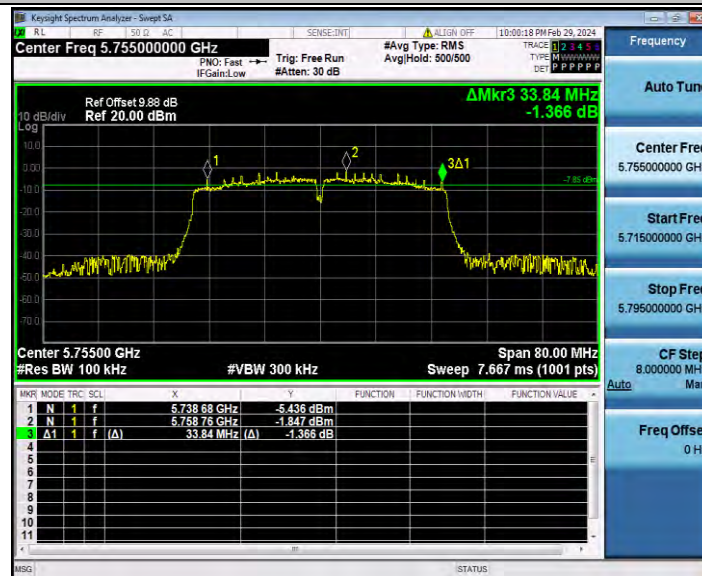
11N20SISO_Ant1_5785



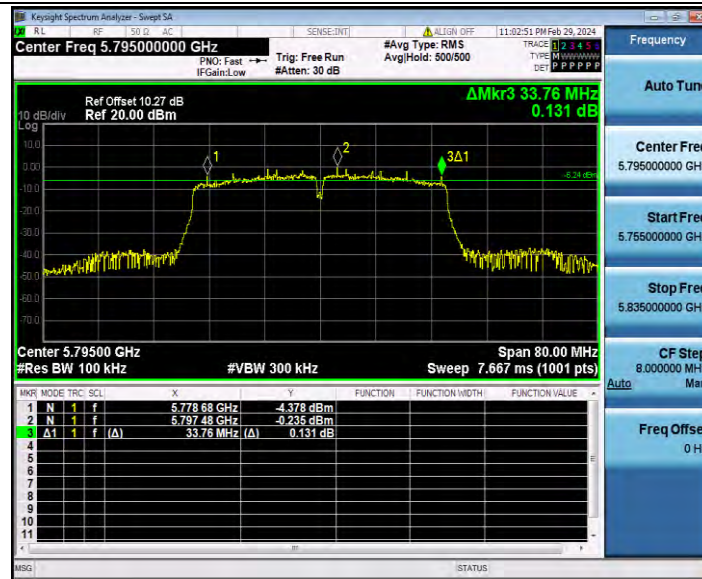
11N20SISO_Ant1_5825



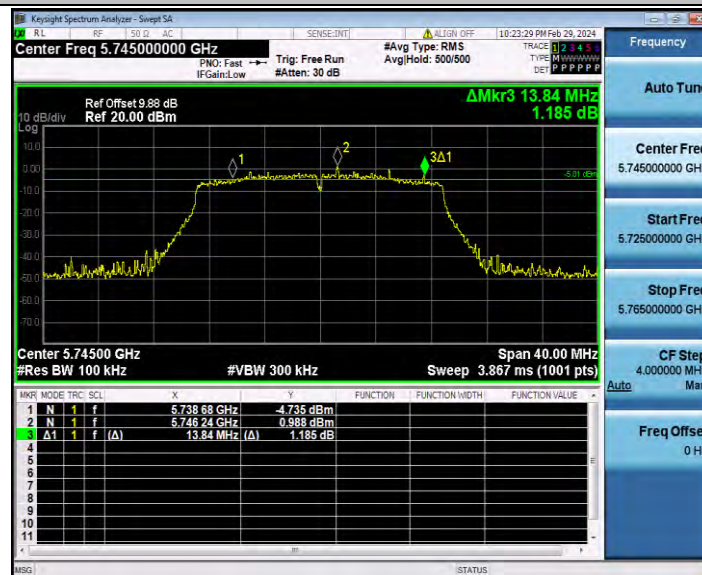
11N40SISO_Ant1_5755



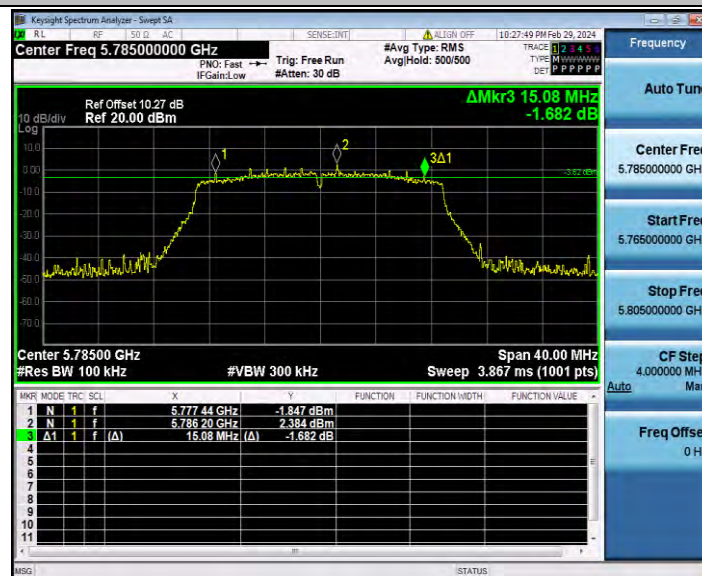
11N40SISO_Ant1_5795



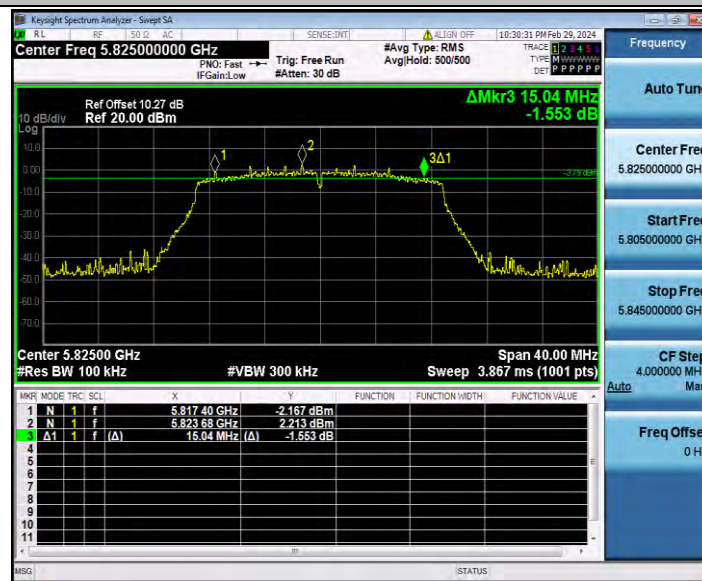
11AC20SISO_Ant1_5745



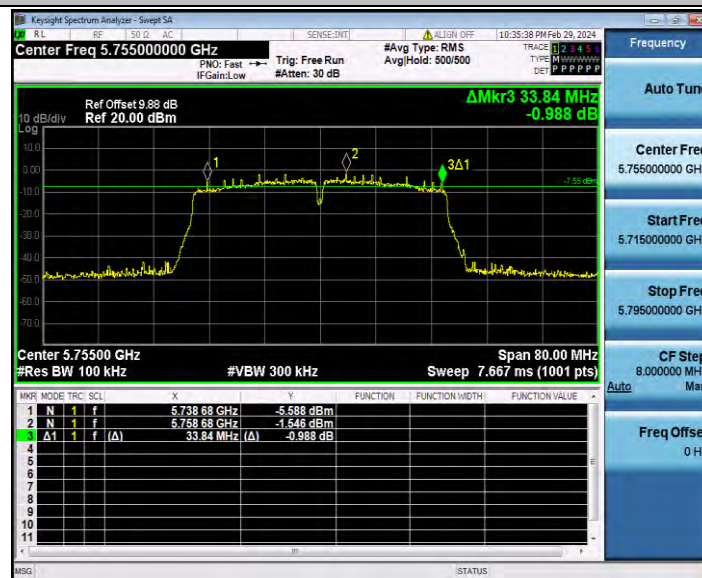
11AC20SISO_Ant1_5785



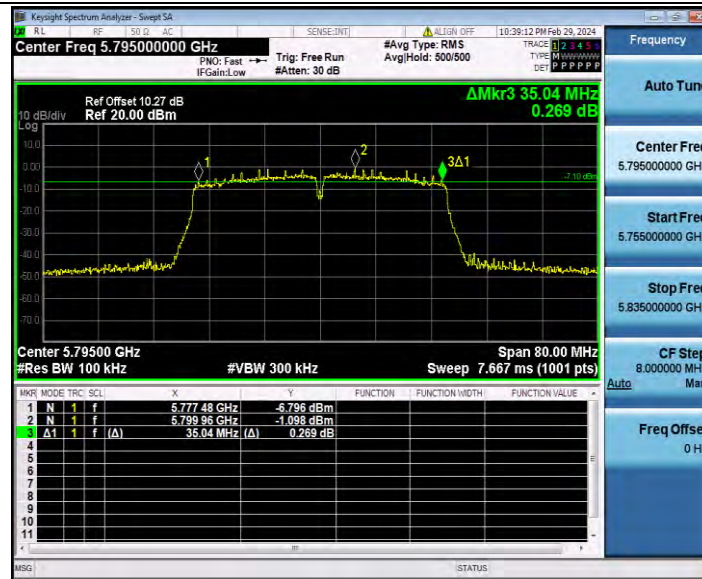
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



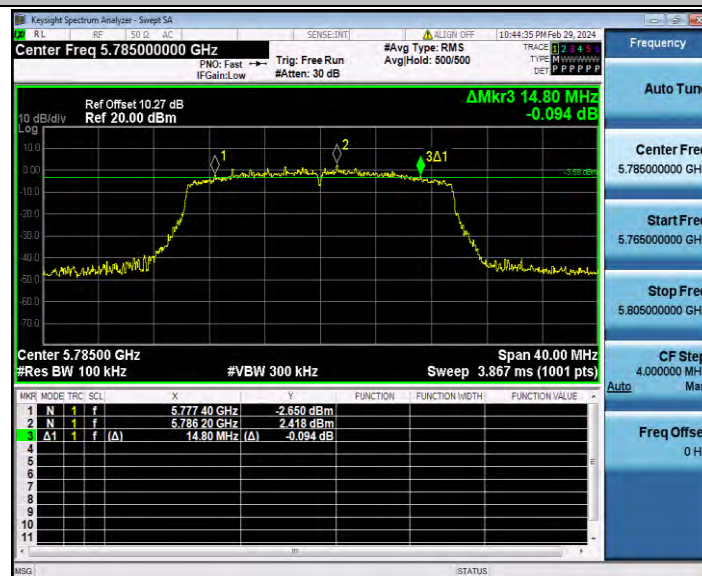
11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



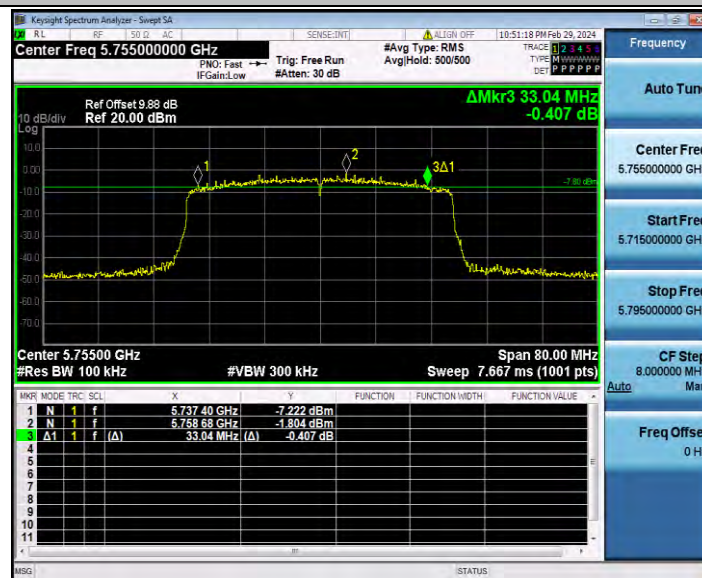
11AX20SISO_Ant1_5785



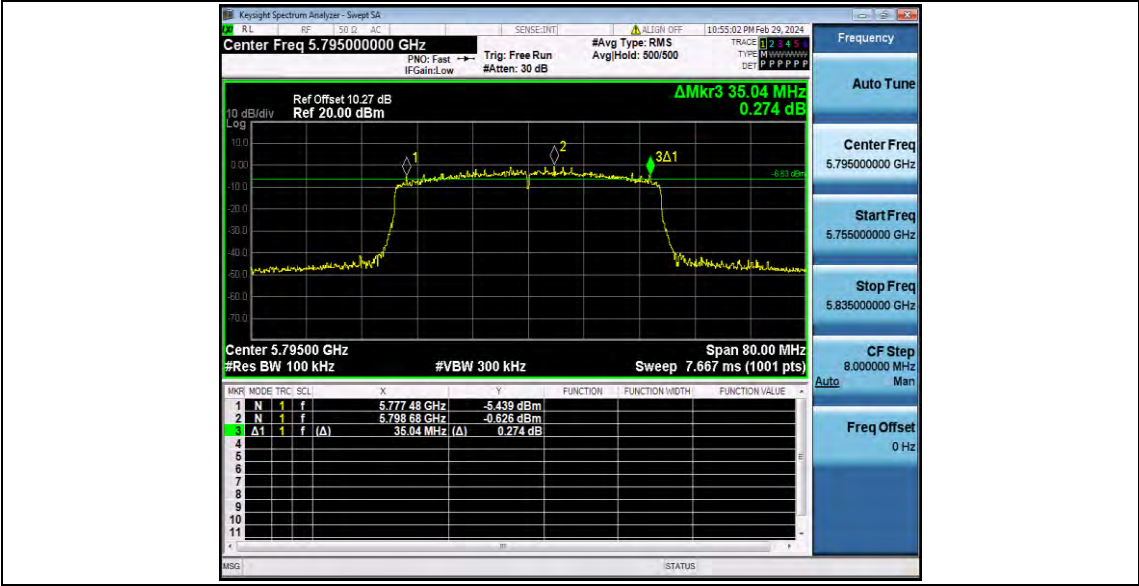
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



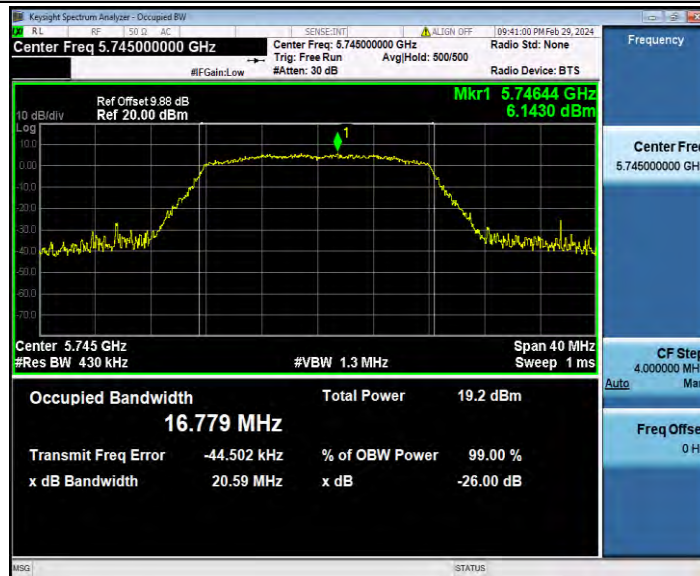
Appendix G.2: Occupied channel bandwidth

Test Result

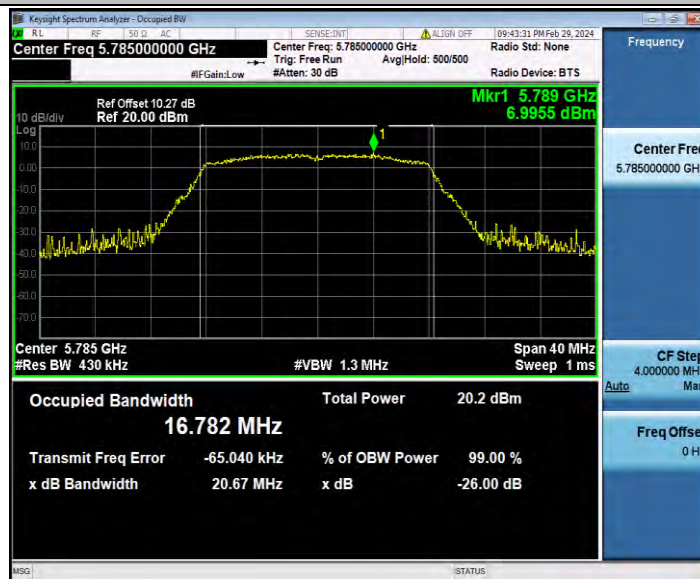
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.779	5736.5660	5753.3450	---	---
		5785	16.782	5776.5440	5793.3260	---	---
		5825	16.753	5816.5552	5833.3082	---	---
11N20SISO	Ant1	5745	17.733	5736.1046	5753.8376	---	---
		5785	17.763	5776.0908	5793.8538	---	---
		5825	17.704	5816.0983	5833.8023	---	---
11N40SISO	Ant1	5755	35.956	5737.0243	5772.9803	---	---
		5795	36.055	5777.0124	5813.0674	---	---
11AC20SISO	Ant1	5745	17.707	5736.1017	5753.8087	---	---
		5785	17.731	5776.0972	5793.8282	---	---
		5825	17.722	5816.0679	5833.7899	---	---
11AC40SISO	Ant1	5755	35.941	5737.0179	5772.9589	---	---
		5795	36.036	5777.0232	5813.0592	---	---
11AX20SISO	Ant1	5745	18.812	5735.5421	5754.3541	---	---
		5785	18.776	5775.5930	5794.3690	---	---
		5825	18.776	5815.5496	5834.3256	---	---
11AX40SISO	Ant1	5755	37.159	5736.3477	5773.5067	---	---
		5795	37.369	5776.3372	5813.7062	---	---

Test Graphs

11A_Ant1_5745



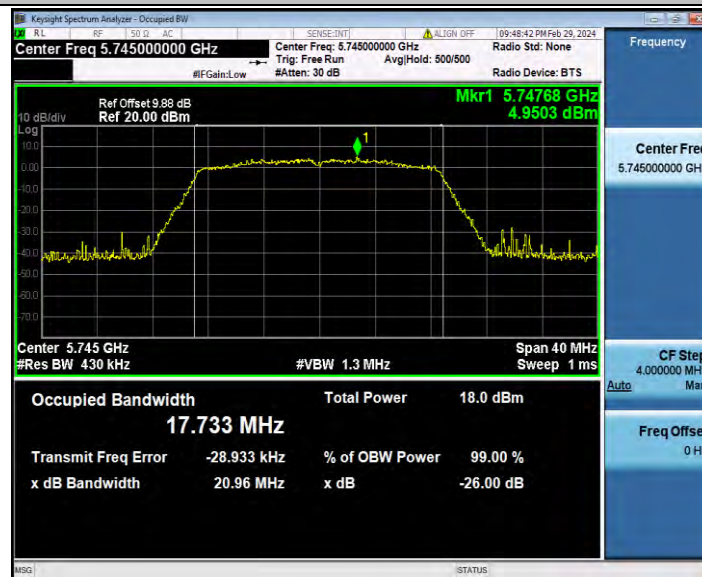
11A_Ant1_5785



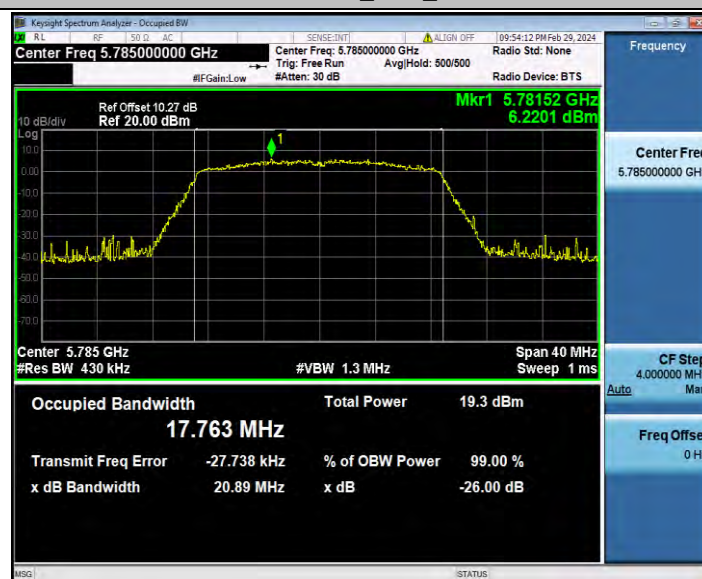
11A_Ant1_5825



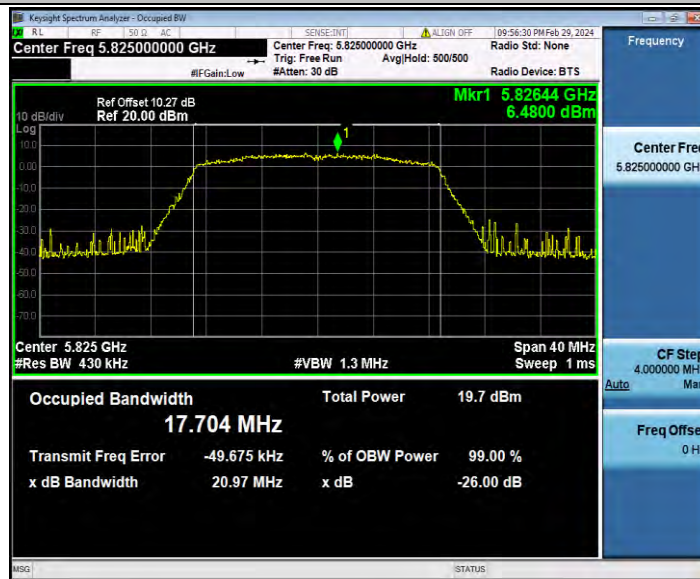
11N20SISO_Ant1_5745



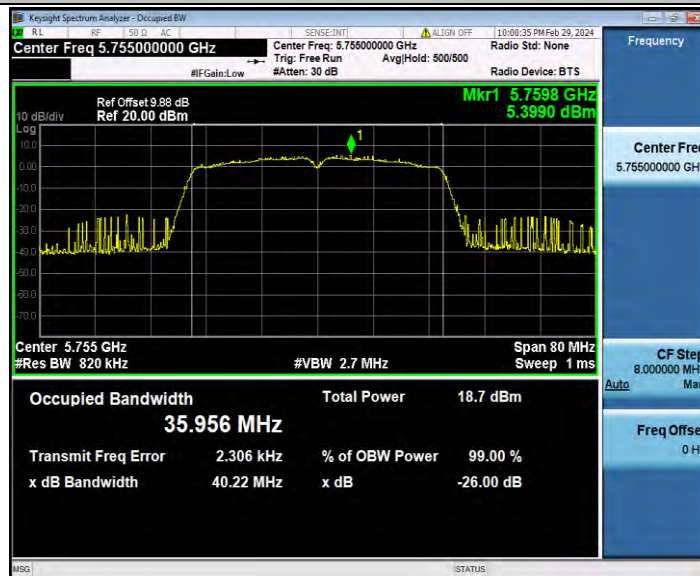
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



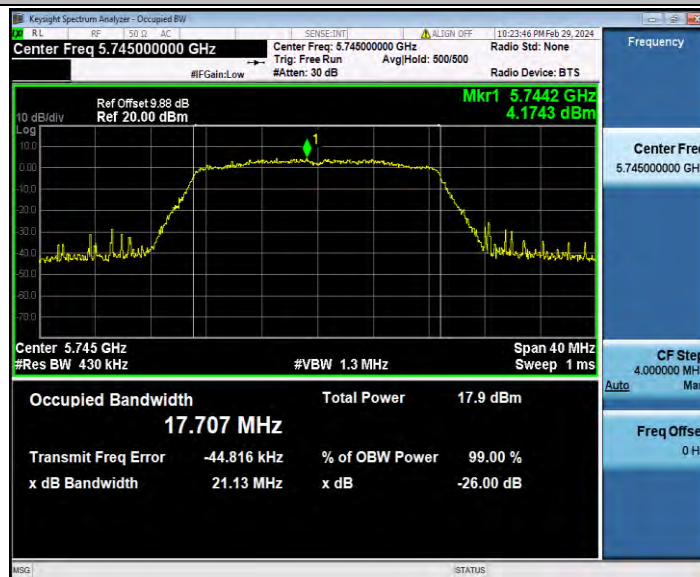
11N40SISO_Ant1_5755



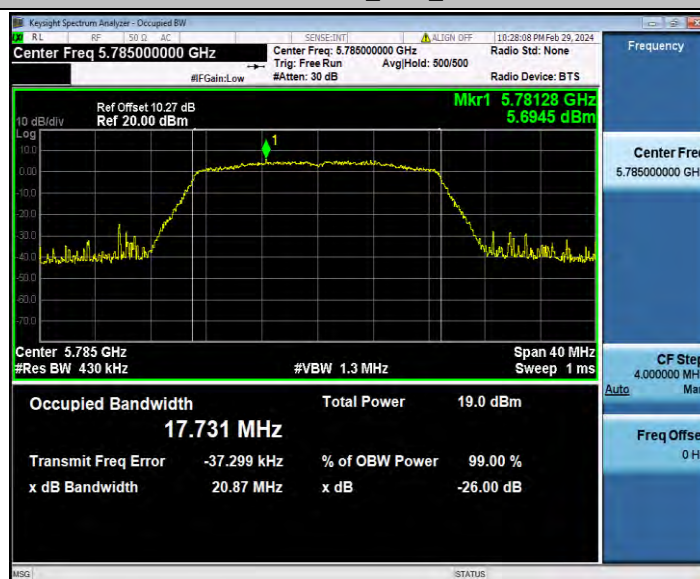
11N40SISO_Ant1_5795



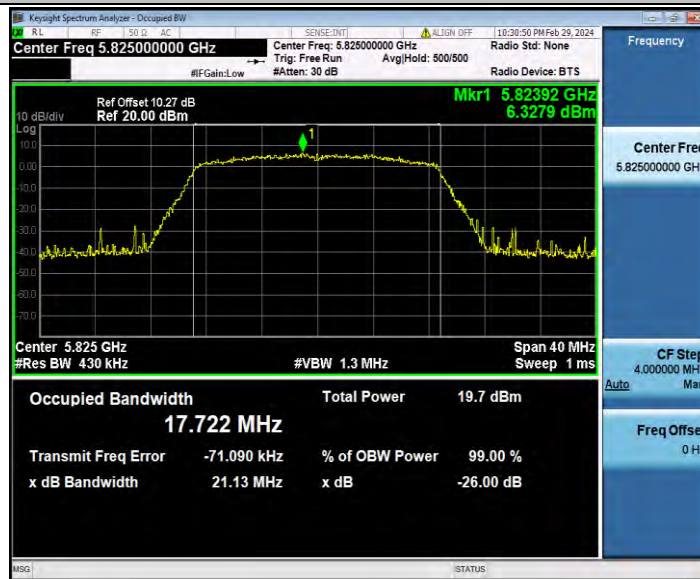
11AC20SISO_Ant1_5745



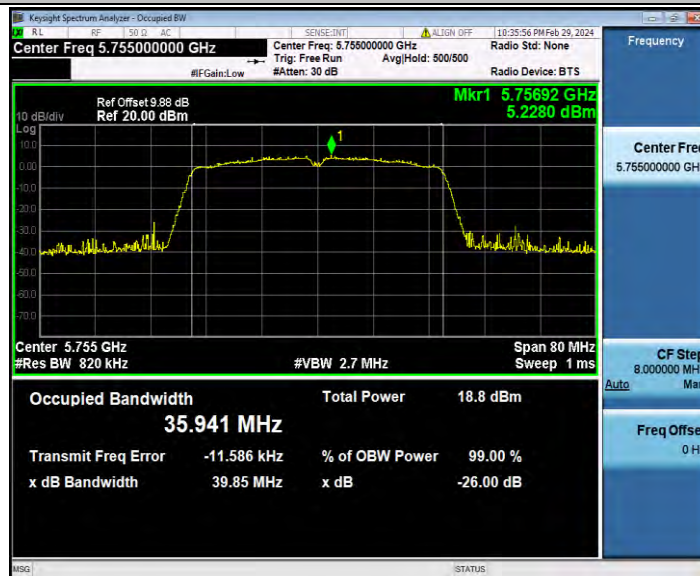
11AC20SISO_Ant1_5785



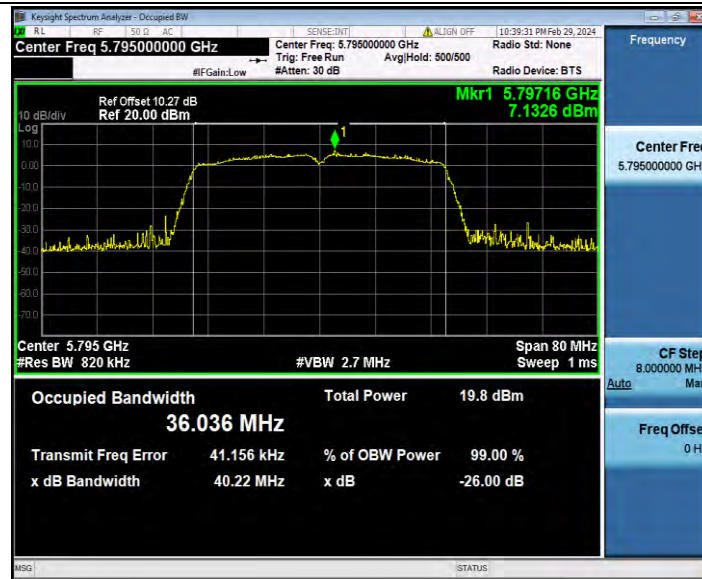
11AC20SISO_Ant1_5825



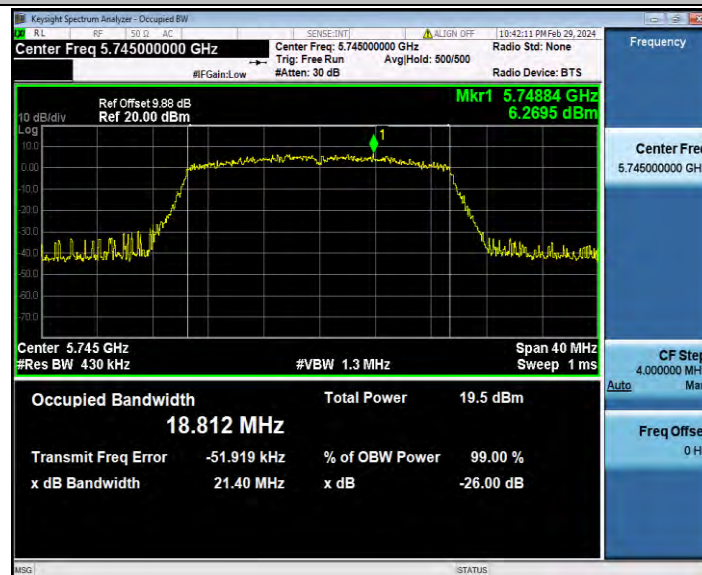
11AC40SISO_Ant1_5755



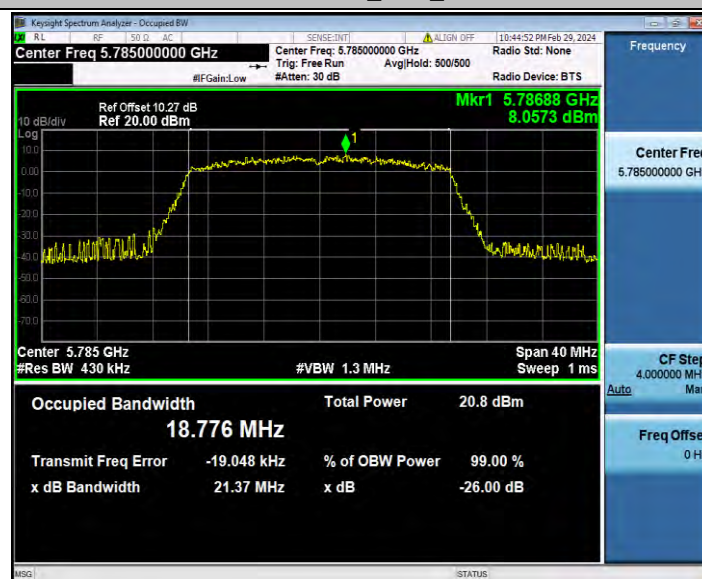
11AC40SISO_Ant1_5795



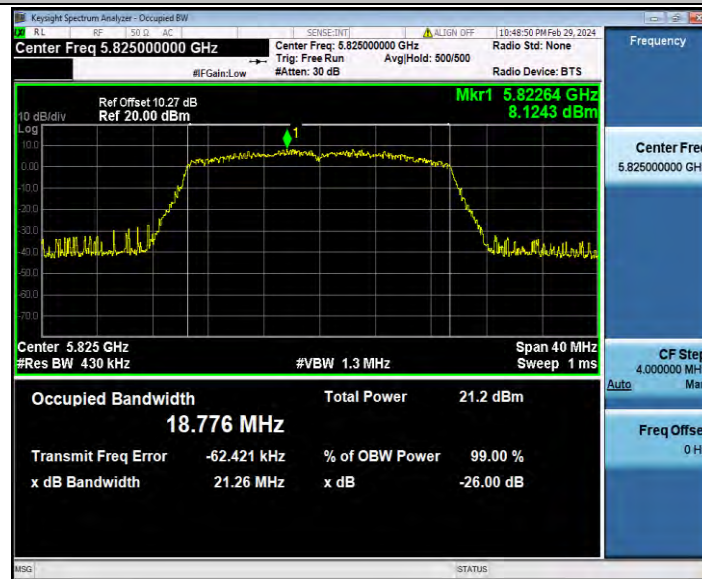
11AX20SISO_Ant1_5745



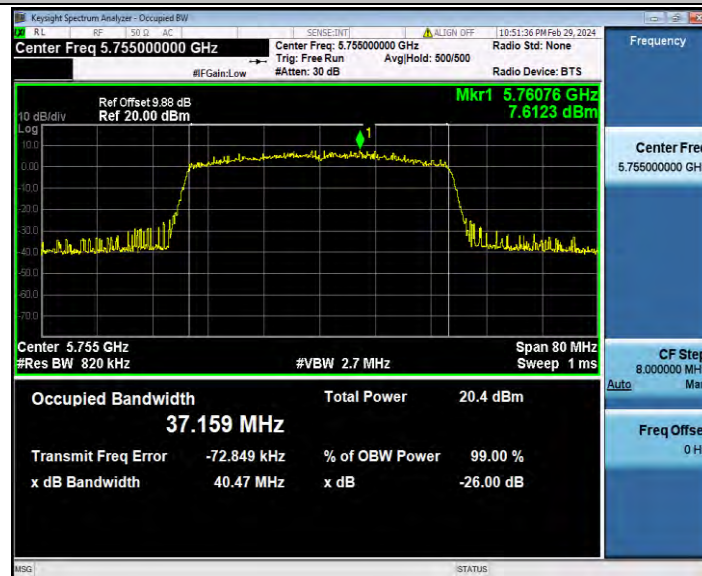
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

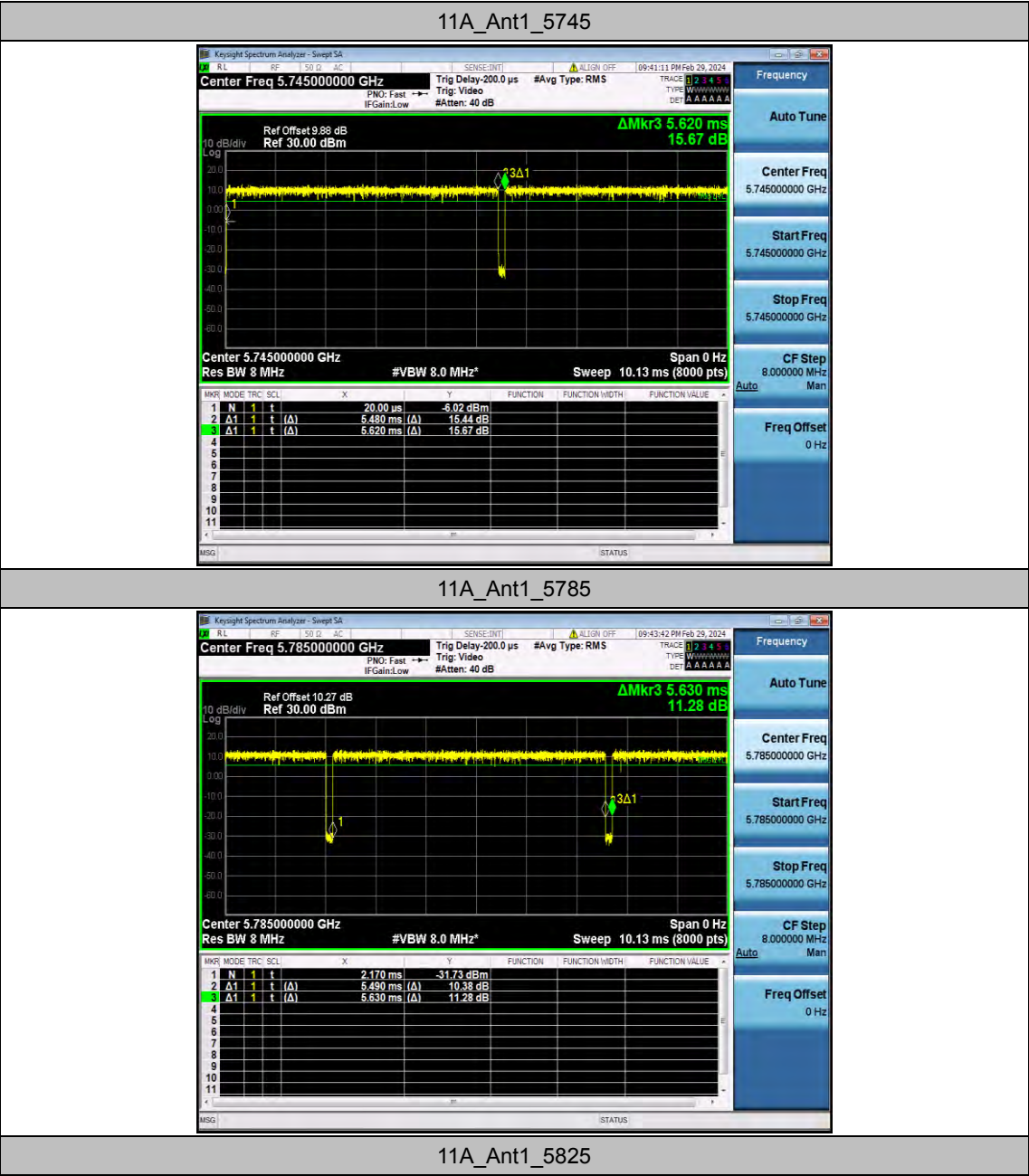


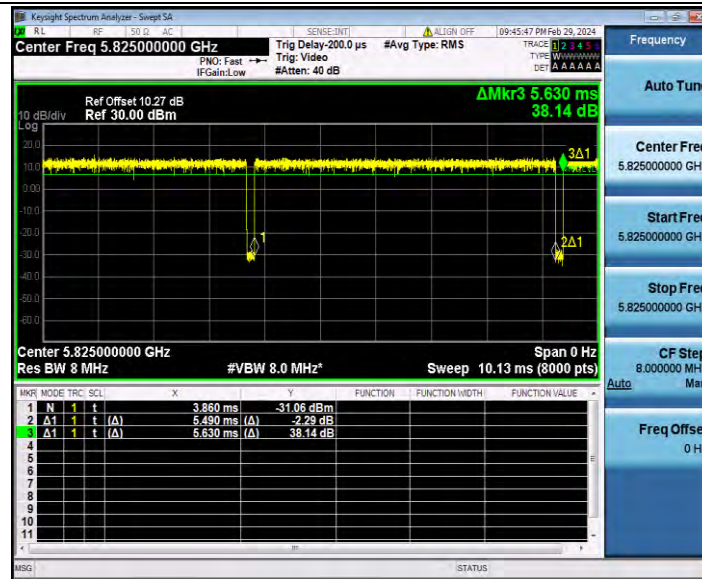
Appendix G.3: Duty Cycle

Test Result

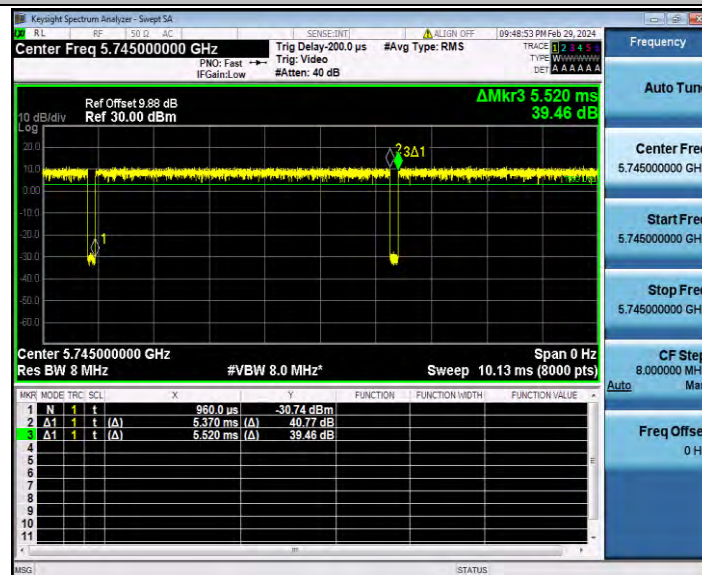
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	5.48	5.62	97.51	0.11	0.18
		5785	5.49	5.63	97.51	0.11	0.18
		5825	5.49	5.63	97.51	0.11	0.18
11N20SISO	Ant1	5745	5.37	5.52	97.28	0.12	0.19
		5785	5.38	5.52	97.46	0.11	0.19
		5825	5.37	5.52	97.28	0.12	0.19
11N40SISO	Ant1	5755	5.16	5.29	97.54	0.11	0.19
		5795	5.16	5.30	97.36	0.12	0.19
11AC20SISO	Ant1	5745	5.38	5.52	97.46	0.11	0.19
		5785	5.38	5.52	97.46	0.11	0.19
		5825	5.38	5.53	97.29	0.12	0.19
11AC40SISO	Ant1	5755	5.16	5.32	96.99	0.13	0.19
		5795	5.16	5.31	97.18	0.12	0.19
11AX20SISO	Ant1	5745	4.66	4.80	97.08	0.13	0.21
		5785	4.66	4.81	96.88	0.14	0.21
		5825	4.65	4.80	96.88	0.14	0.22
11AX40SISO	Ant1	5755	4.64	4.79	96.87	0.14	0.22
		5795	4.64	4.78	97.07	0.13	0.22

Test Graphs

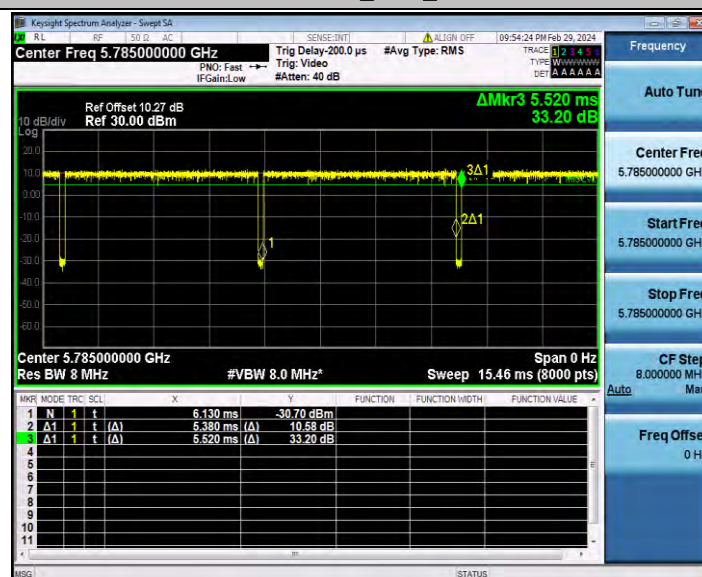




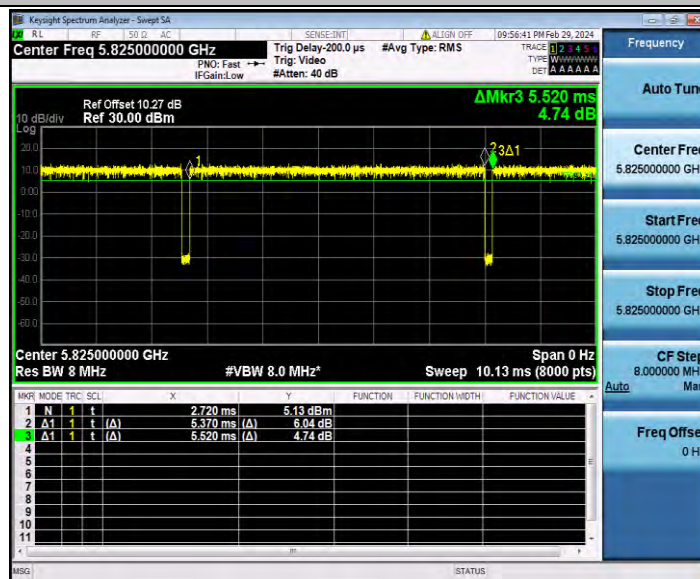
11N20SISO_Ant1_5745



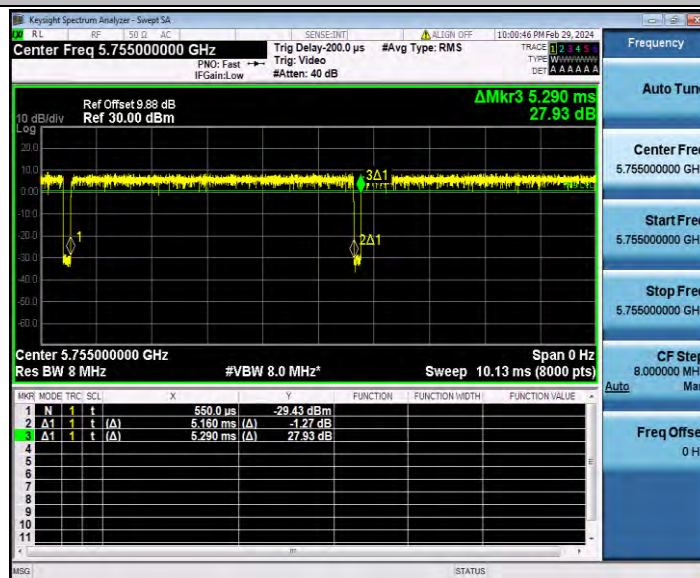
11N20SISO_Ant1_5785



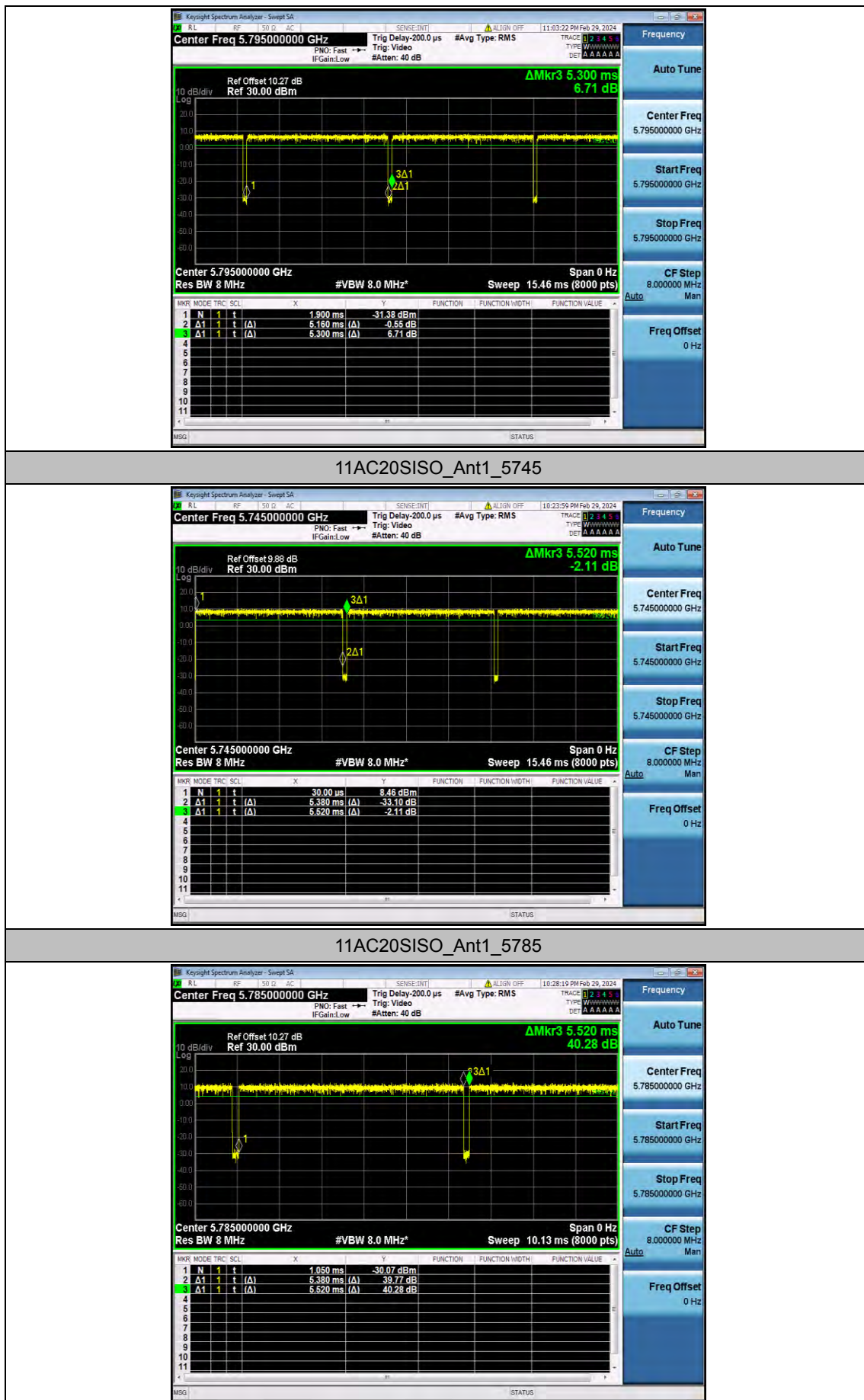
11N20SISO_Ant1_5825



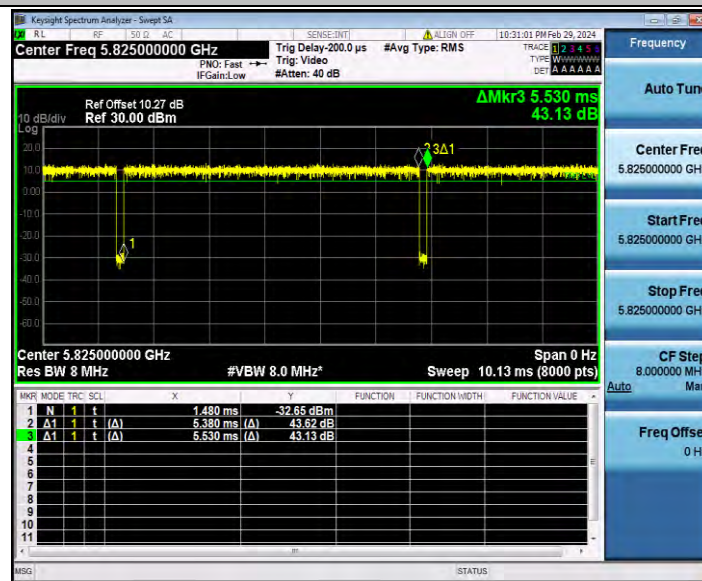
11N40SISO_Ant1_5755



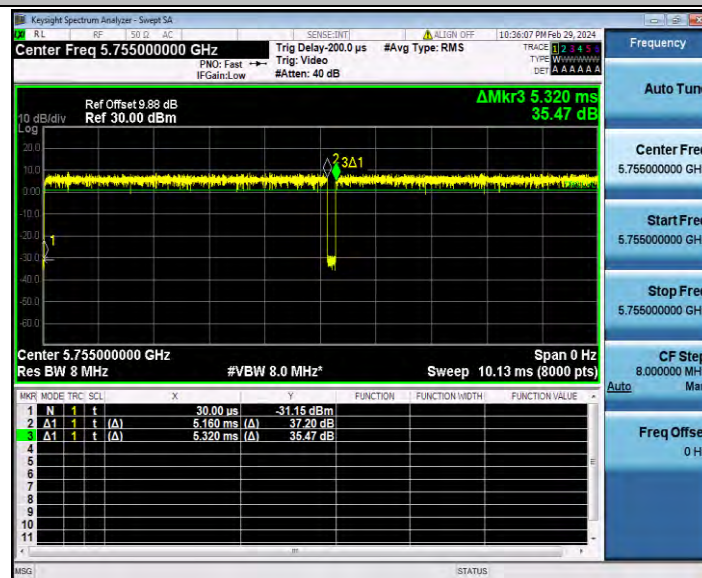
11N40SISO_Ant1_5795



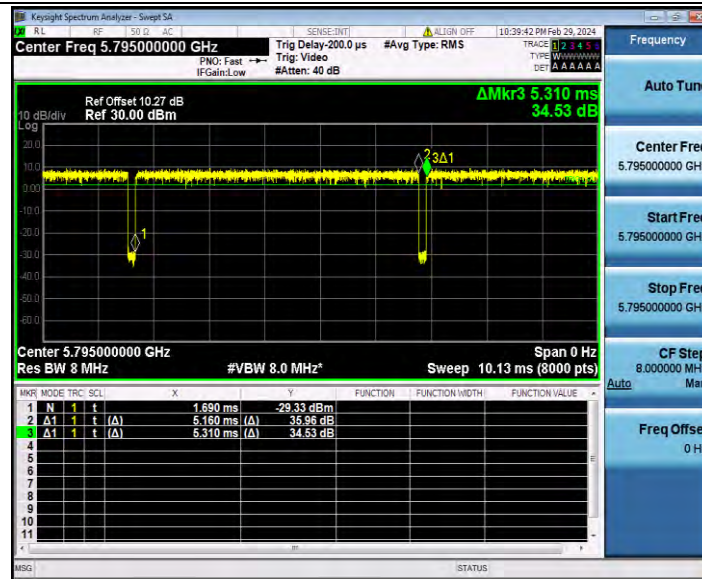
11AC20SISO_Ant1_5825



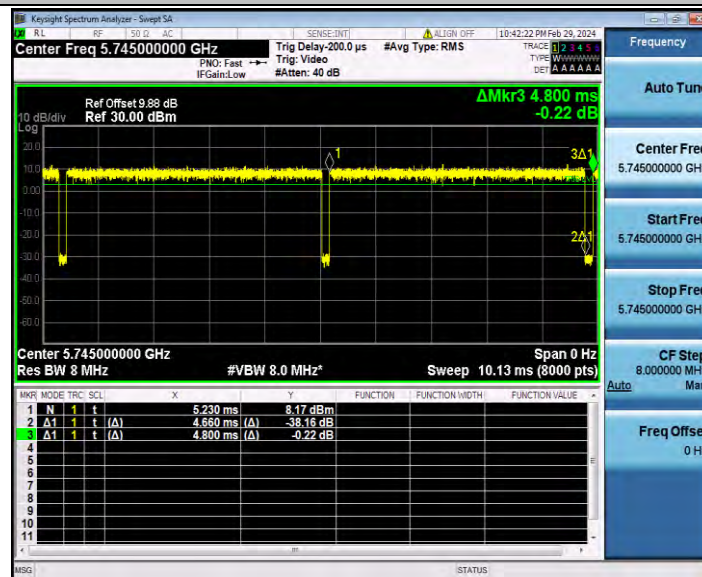
11AC40SISO_Ant1_5755



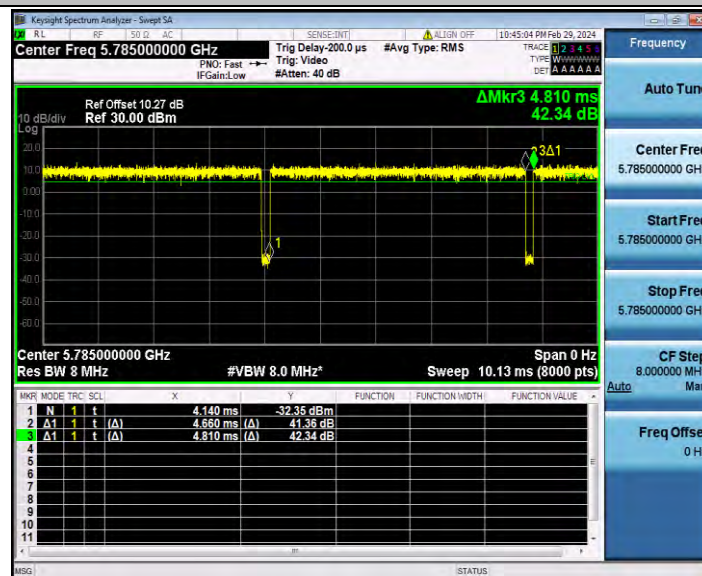
11AC40SISO_Ant1_5795



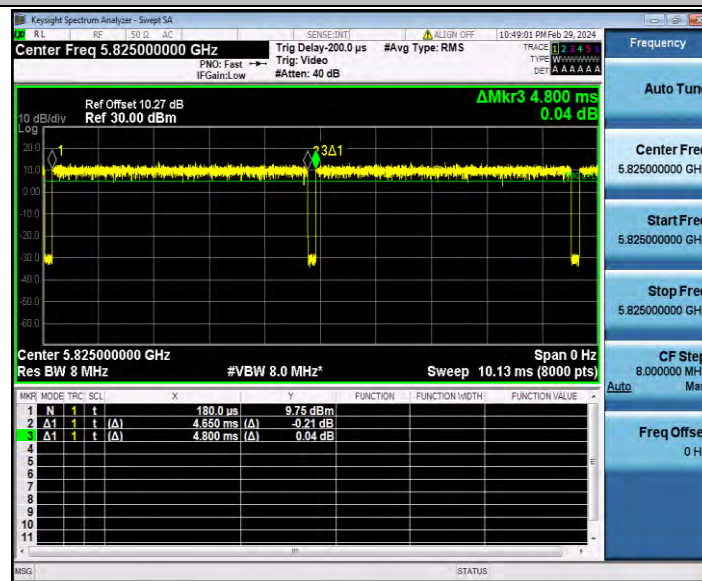
11AX20SISO_Ant1_5745



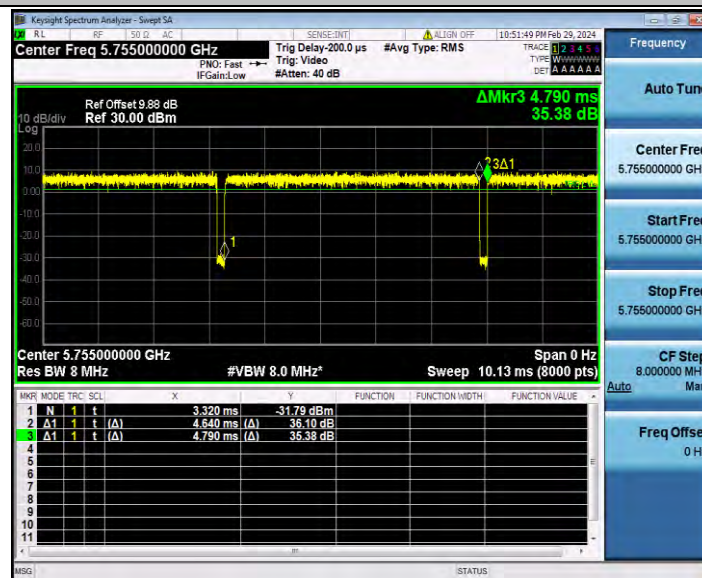
11AX20SISO_Ant1_5785



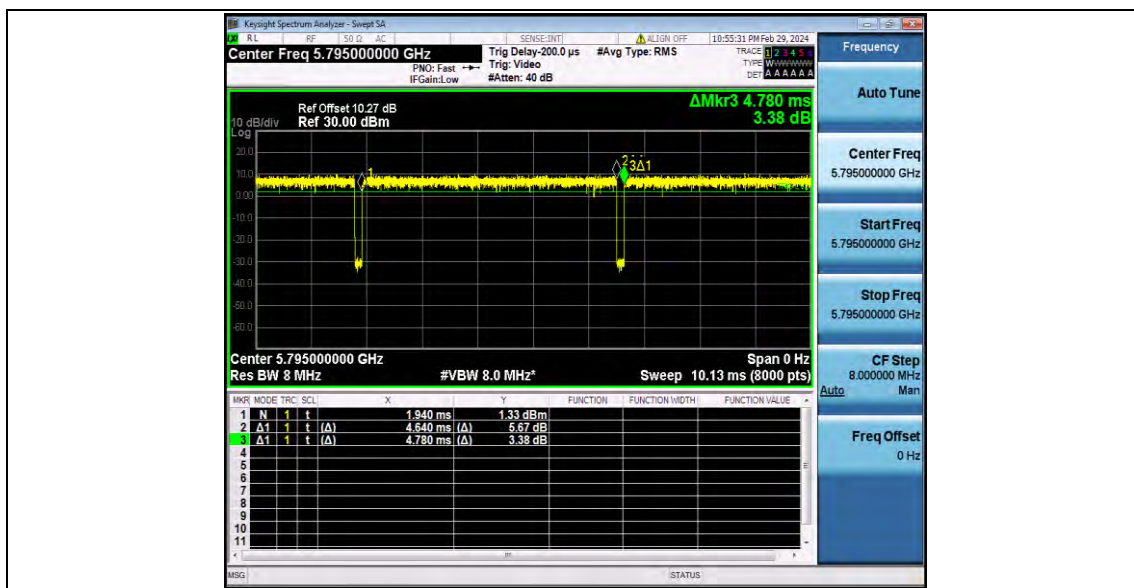
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



Appendix G.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	12.22	97.51	0.11	12.33	≤30.00	PASS
		5785	13.41	97.51	0.11	13.52	≤30.00	PASS
		5825	14.33	97.51	0.11	14.44	≤30.00	PASS
11N20 SISO	Ant1	5745	11.09	97.28	0.12	11.21	≤30.00	PASS
		5785	12.41	97.46	0.11	12.52	≤30.00	PASS
		5825	12.80	97.28	0.12	12.92	≤30.00	PASS
11N40 SISO	Ant1	5755	11.25	97.54	0.11	11.36	≤30.00	PASS
		5795	12.33	97.36	0.12	12.45	≤30.00	PASS
11AC20 SISO	Ant1	5745	11.01	97.46	0.11	11.12	≤30.00	PASS
		5785	12.17	97.46	0.11	12.28	≤30.00	PASS
		5825	12.99	97.29	0.12	13.11	≤30.00	PASS
11AC40 SISO	Ant1	5755	11.30	96.99	0.13	11.43	≤30.00	PASS
		5795	12.34	97.18	0.12	12.46	≤30.00	PASS
11AX20 SISO	Ant1	5745	11.21	97.08	0.13	11.34	≤30.00	PASS
		5785	12.41	96.88	0.14	12.55	≤30.00	PASS
		5825	12.82	96.88	0.14	12.96	≤30.00	PASS
11AX40 SISO	Ant1	5755	11.51	96.87	0.14	11.65	≤30.00	PASS
		5795	12.21	97.07	0.13	12.34	≤30.00	PASS

Note:

1. The Duty Cycle Factor is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the data.

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-0.95	≤30.00	PASS
		5785	0.15	≤30.00	PASS
		5825	0.99	≤30.00	PASS
11N20SISO	Ant1	5745	-2.58	≤30.00	PASS
		5785	-1.27	≤30.00	PASS
		5825	-0.84	≤30.00	PASS
11N40SISO	Ant1	5755	-5.03	≤30.00	PASS
		5795	-4.05	≤30.00	PASS
11AC20SISO	Ant1	5745	-2.49	≤30.00	PASS
		5785	-1.26	≤30.00	PASS
		5825	-0.51	≤30.00	PASS
11AC40SISO	Ant1	5755	-4.92	≤30.00	PASS
		5795	-4.01	≤30.00	PASS
11AX20SISO	Ant1	5745	-2.84	≤30.00	PASS
		5785	-1.64	≤30.00	PASS
		5825	-1.10	≤30.00	PASS
11AX40SISO	Ant1	5755	-5.14	≤30.00	PASS
		5795	-4.45	≤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



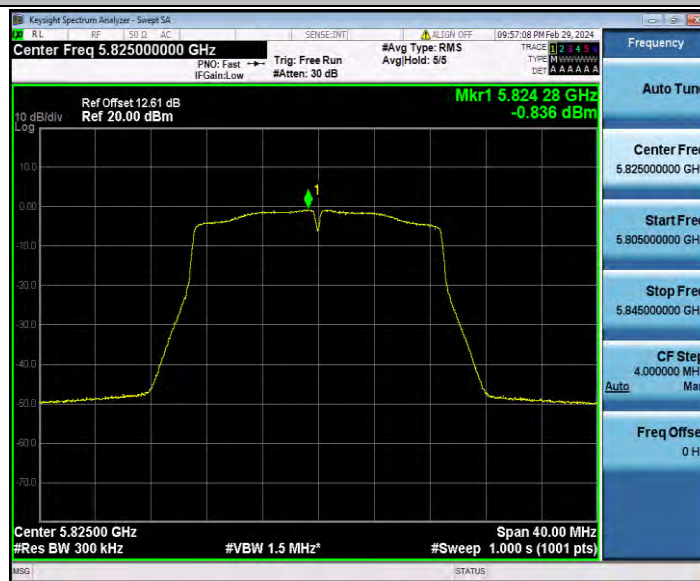
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



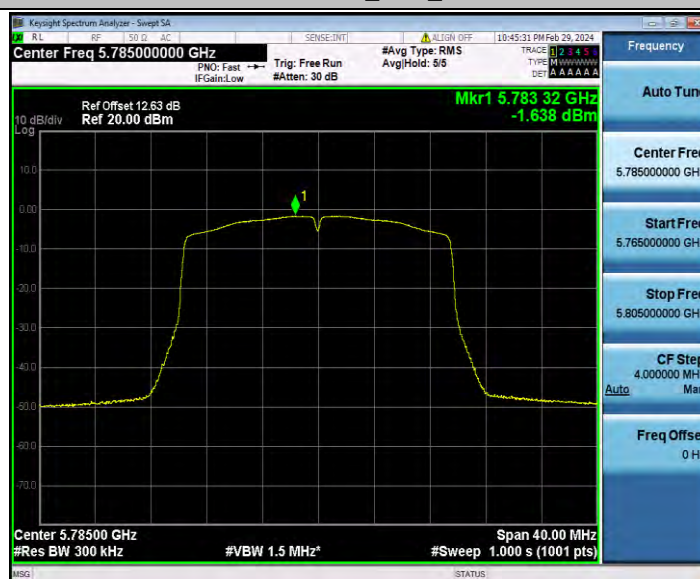
11AC40SISO_Ant1_5795



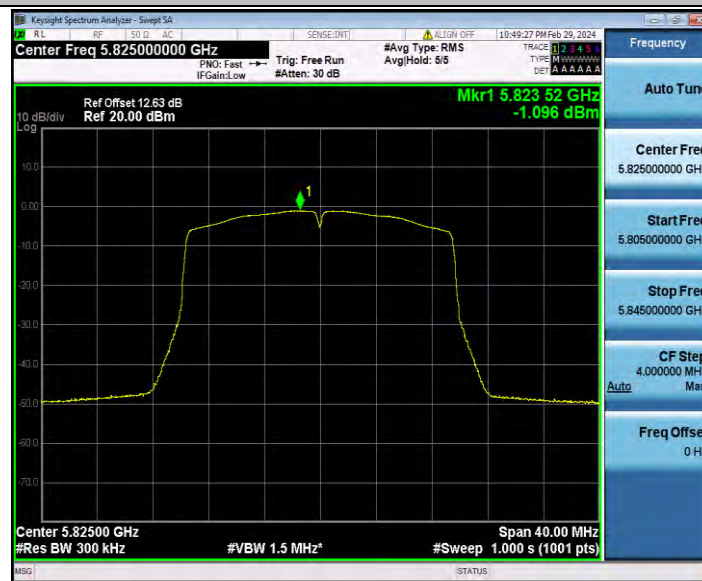
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

