

Case No. : <u>GTS20250510007-3-04</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.6.13-2025.7.14</u>	Test Engineer: <u>Evan ouyang</u>

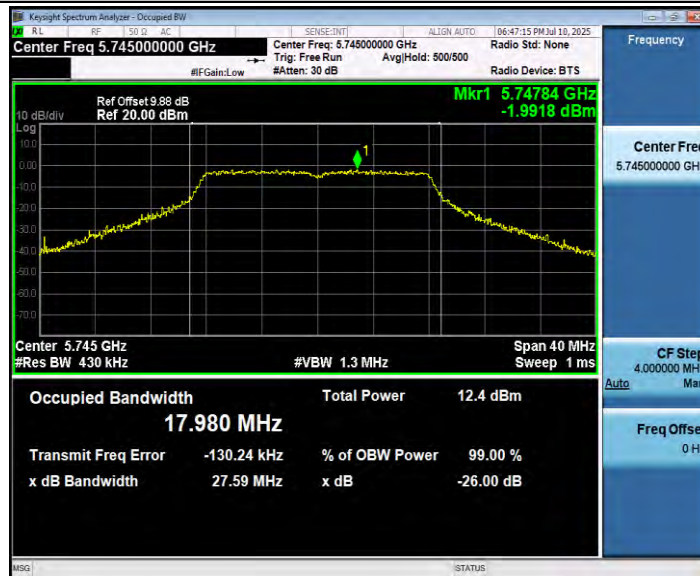
Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	17.980	5735.8798	5753.8598	---	---
		5785	17.930	5775.9553	5793.8853	---	---
		5825	17.913	5815.9379	5833.8509	---	---
11N20SISO	Ant2	5745	18.923	5735.4744	5754.3974	---	---
		5785	19.005	5775.4748	5794.4798	---	---
		5825	19.062	5815.3673	5834.4293	---	---
11N40SISO	Ant2	5755	37.517	5736.2097	5773.7267	---	---
		5795	37.381	5776.2124	5813.5934	---	---
11AC20SISO	Ant2	5745	19.030	5735.4209	5754.4509	---	---
		5785	18.884	5775.5192	5794.4032	---	---
		5825	18.978	5815.4464	5834.4244	---	---
11AC40SISO	Ant2	5755	37.578	5736.1715	5773.7495	---	---
		5795	37.560	5776.1499	5813.7099	---	---
11AC80SISO	Ant2	5775	76.708	5736.4969	5813.2049	---	---
11AX20SISO	Ant2	5745	19.640	5735.1875	5754.8275	---	---
		5785	19.661	5775.1636	5794.8246	---	---
		5825	19.672	5815.1424	5834.8144	---	---
11AX40SISO	Ant2	5755	38.543	5735.6953	5774.2383	---	---
		5795	38.553	5775.6227	5814.1757	---	---
11AX80SISO	Ant2	5775	78.235	5735.7958	5814.0308	---	---

Test Graphs

11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5745



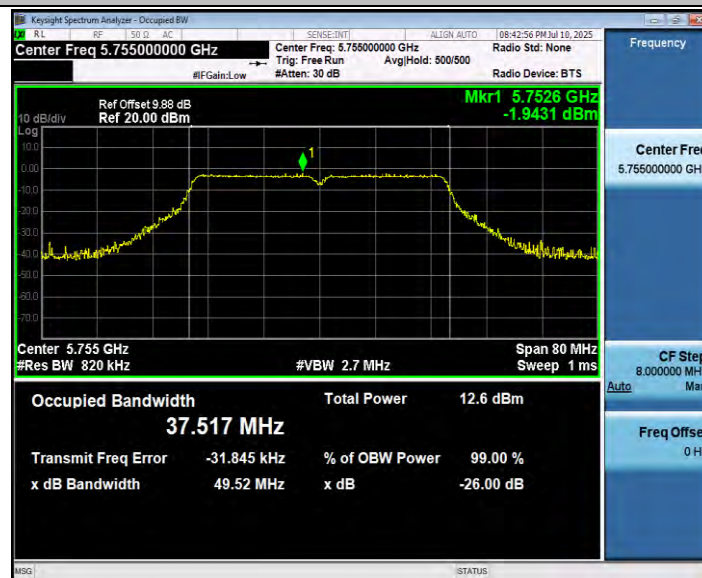
11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



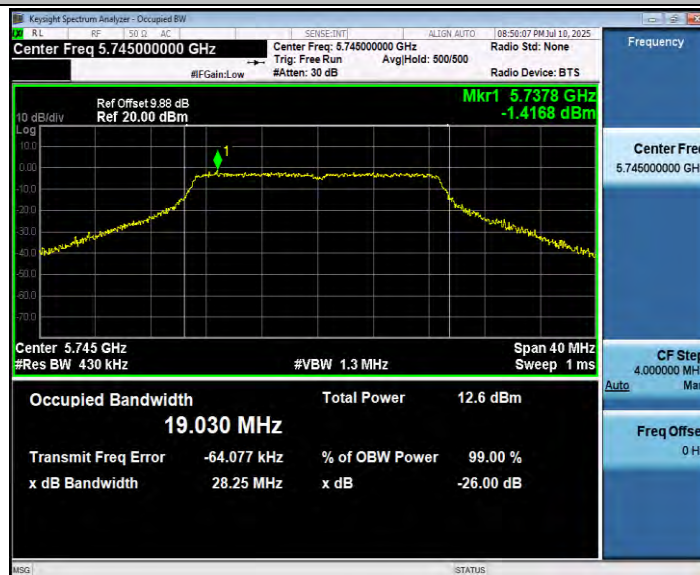
11N40SISO_Ant2_5755



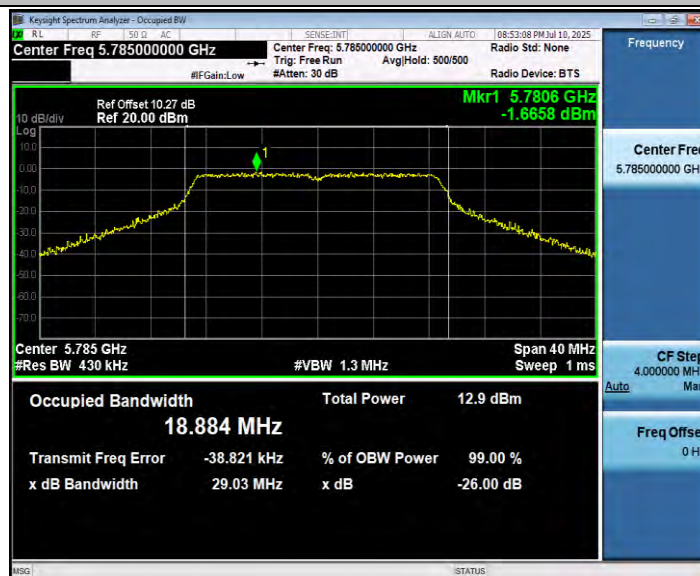
11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



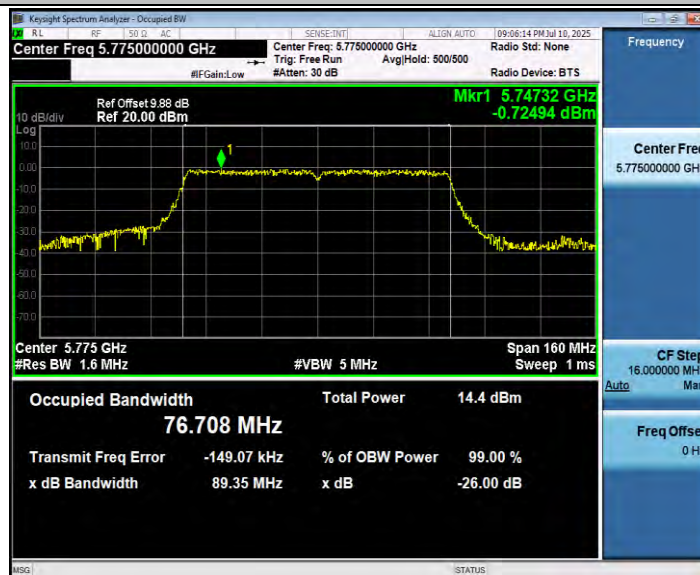
11AC40SISO_Ant2_5755



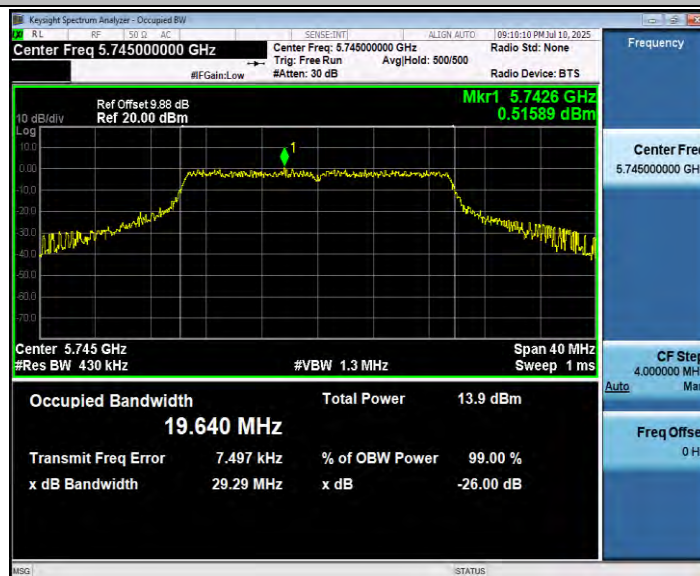
11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



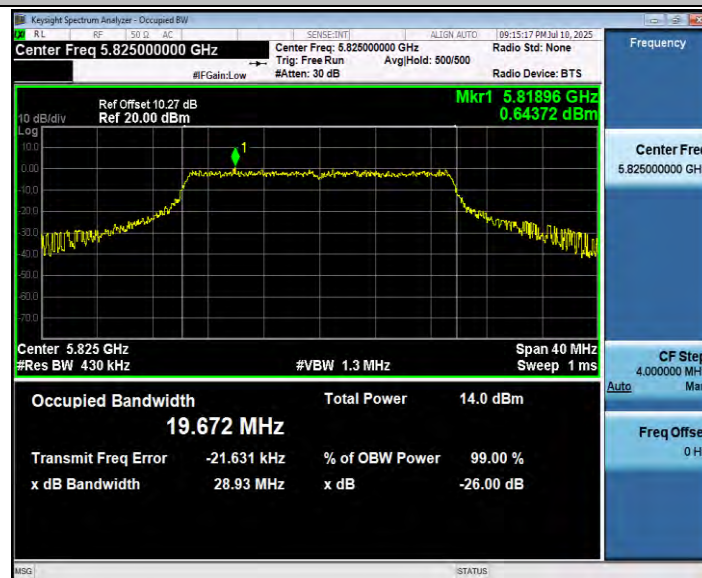
11AX20SISO_Ant2_5745



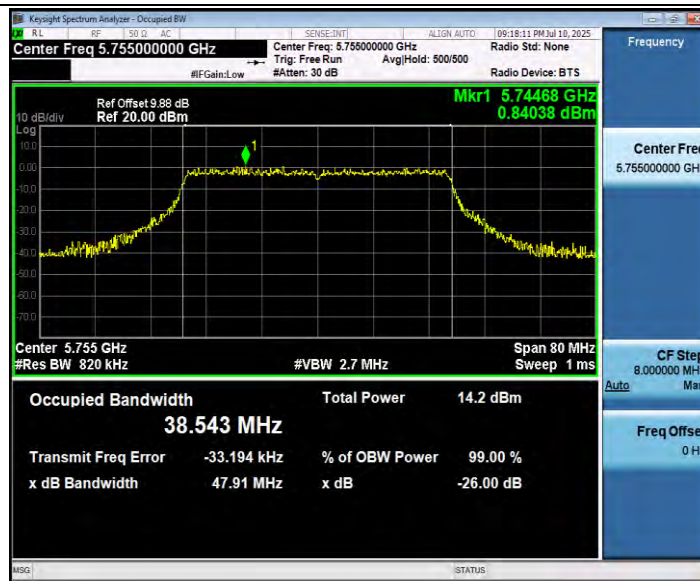
11AX20SISO_Ant2_5785



11AX20SISO_Ant2_5825



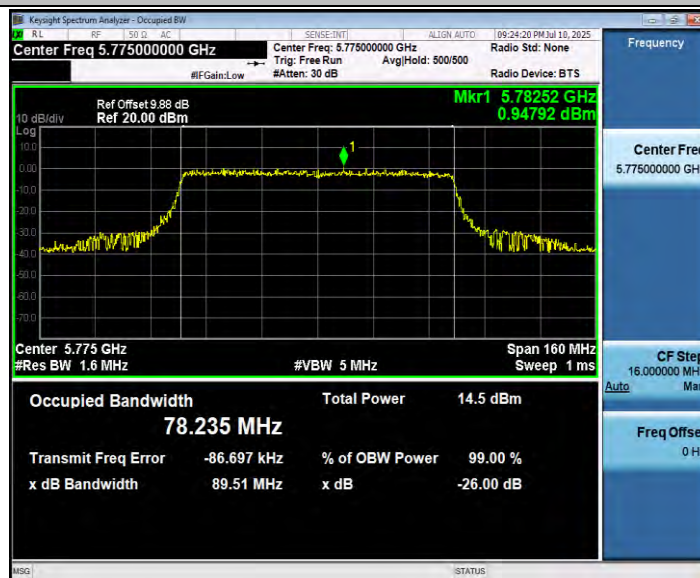
11AX40SISO_Ant2_5755



11AX40ISO_Ant2_5795



11AX80ISO_Ant2_5775



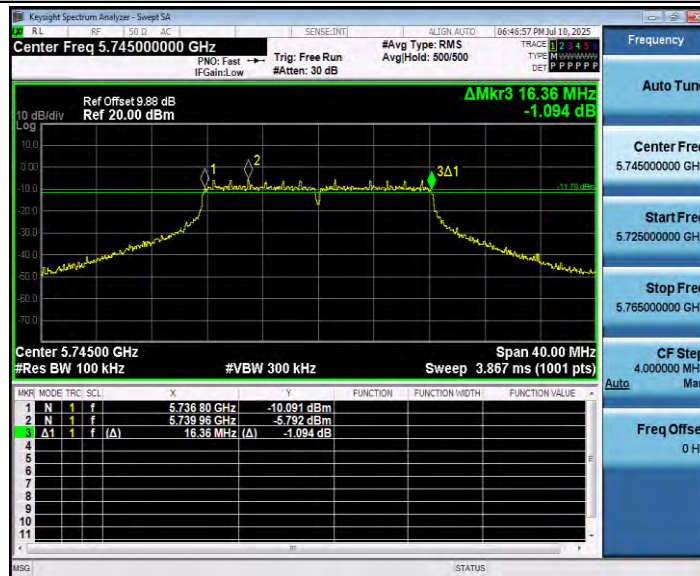
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.400	5776.760	5793.160	0.5	PASS
		5825	16.400	5816.760	5833.160	0.5	PASS
11N20SISO	Ant2	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.600	5816.160	5833.760	0.5	PASS
11N40SISO	Ant2	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant2	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	Ant2	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant2	5775	76.320	5736.760	5813.080	0.5	PASS
11AX20SISO	Ant2	5745	19.000	5735.480	5754.480	0.5	PASS
		5785	19.000	5775.480	5794.480	0.5	PASS
		5825	19.000	5815.480	5834.480	0.5	PASS
11AX40SISO	Ant2	5755	38.080	5735.960	5774.040	0.5	PASS
		5795	38.080	5775.880	5813.960	0.5	PASS
11AX80SISO	Ant2	5775	77.920	5735.960	5813.880	0.5	PASS

Test Graphs B4

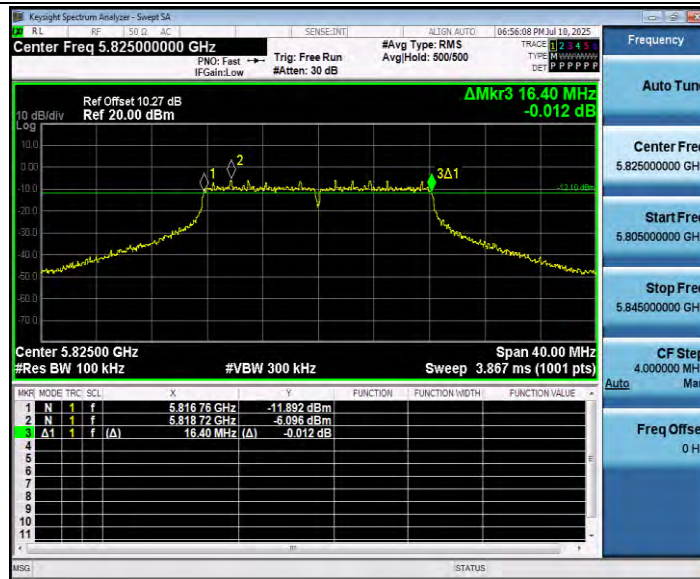
11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5745



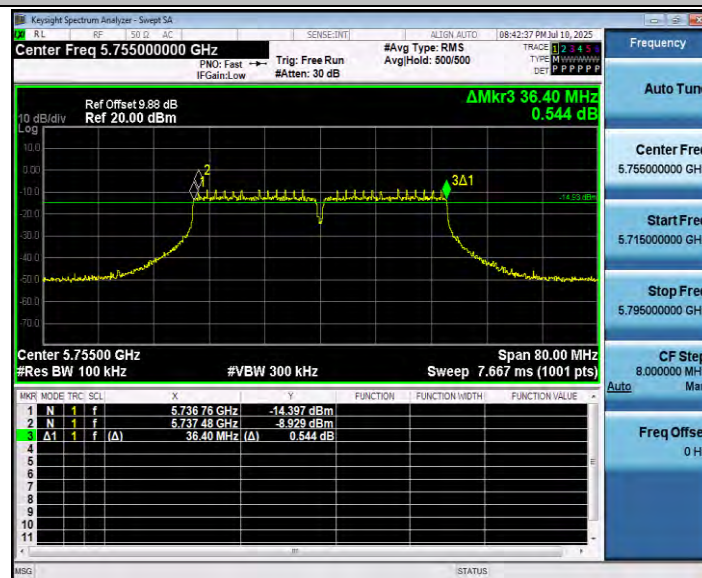
11N20SISO_Ant2_5785



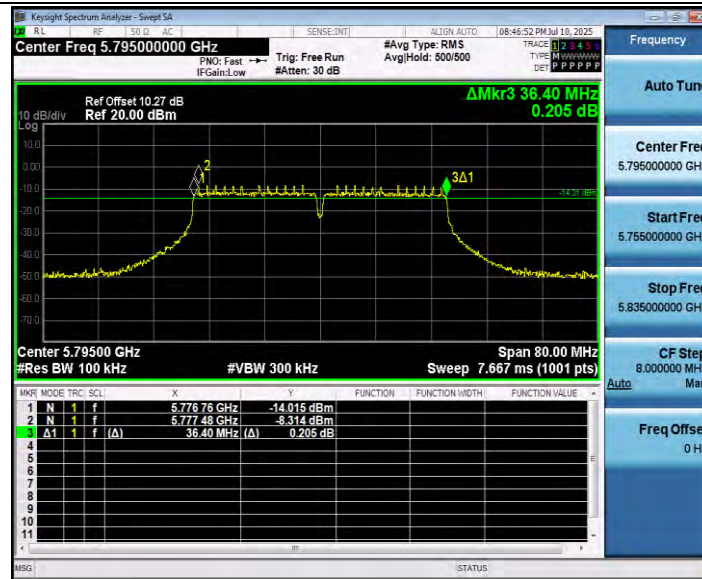
11N20SISO_Ant2_5825



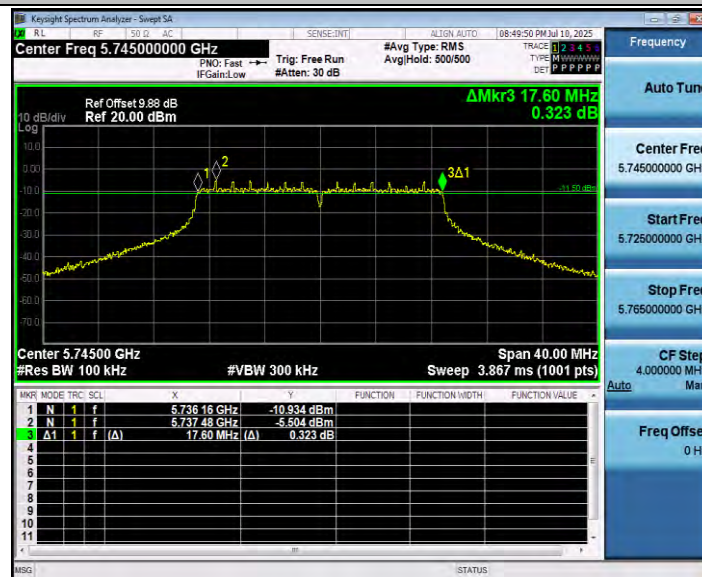
11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



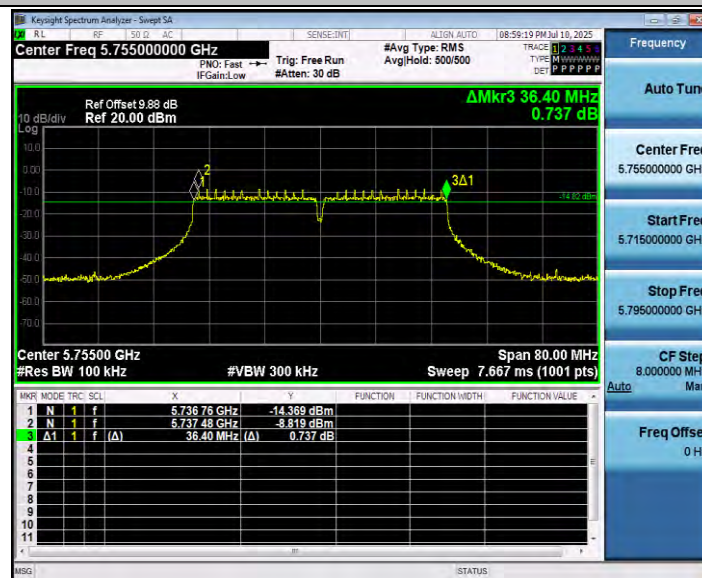
11AC20SISO_Ant2_5785



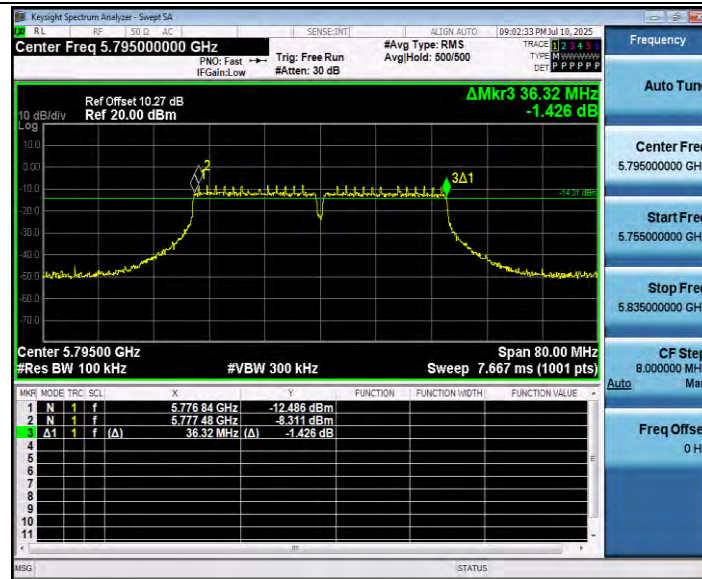
11AC20SISO_Ant2_5825



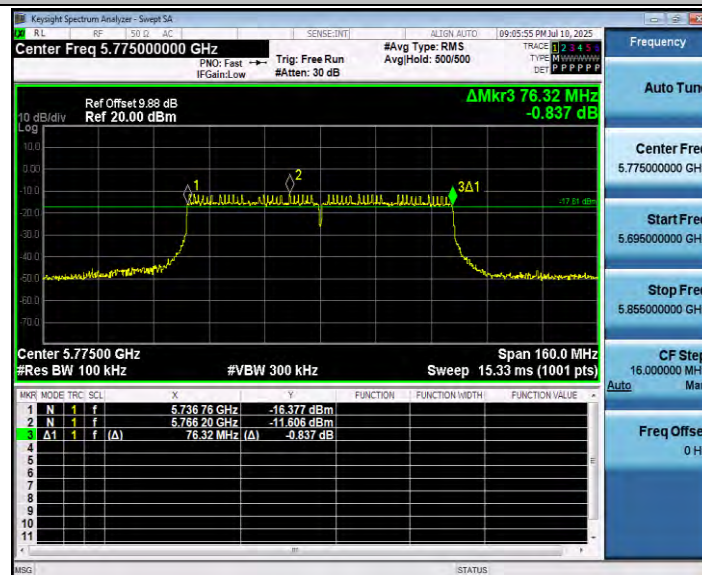
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



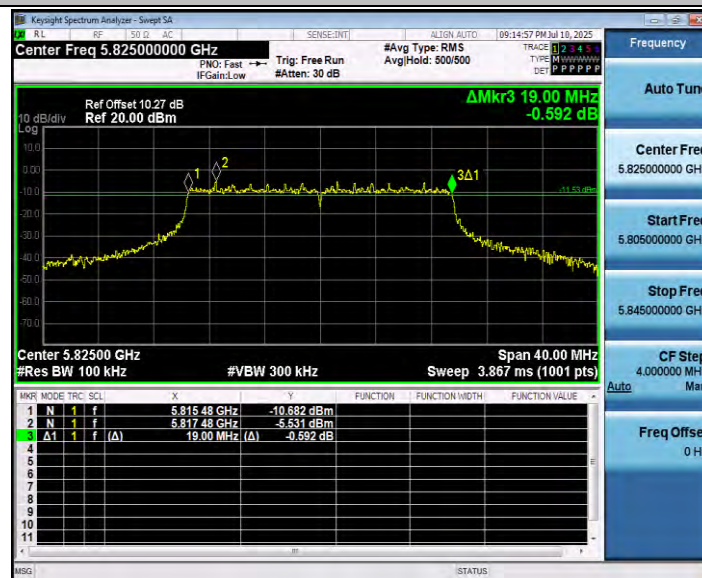
11AX20SISO_Ant2_5745



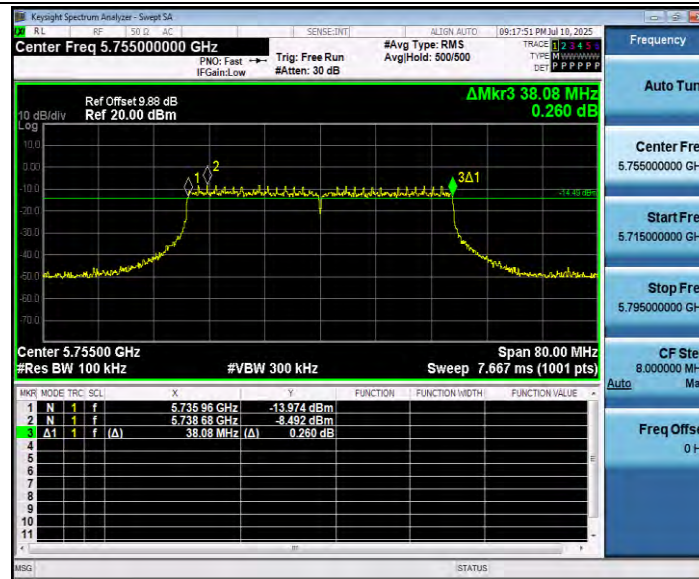
11AX20SISO_Ant2_5785



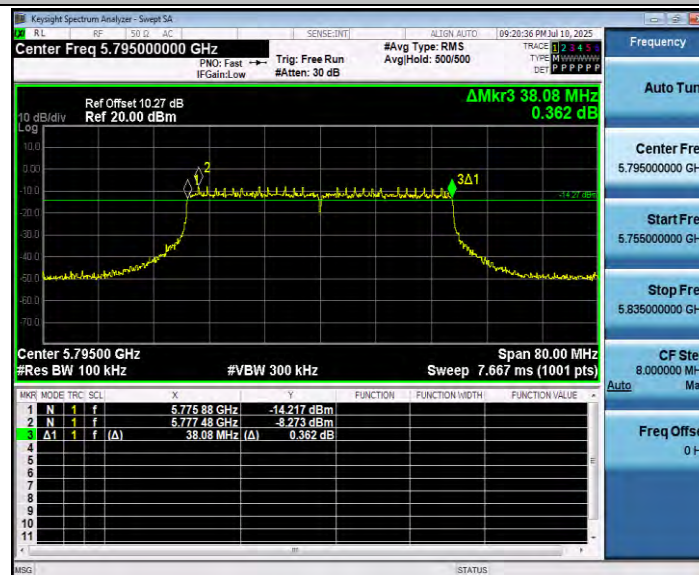
11AX20SISO_Ant2_5825



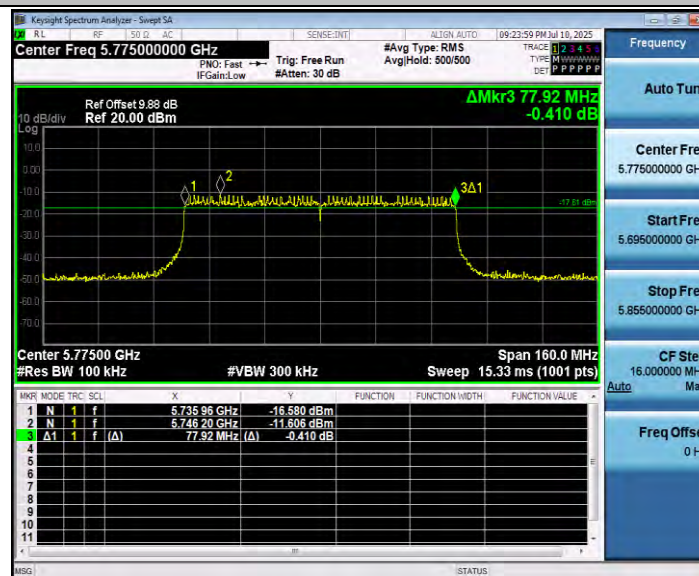
11AX40SISO_Ant2_5755



11AX40ISO_Ant2_5795



11AX80ISO_Ant2_5775

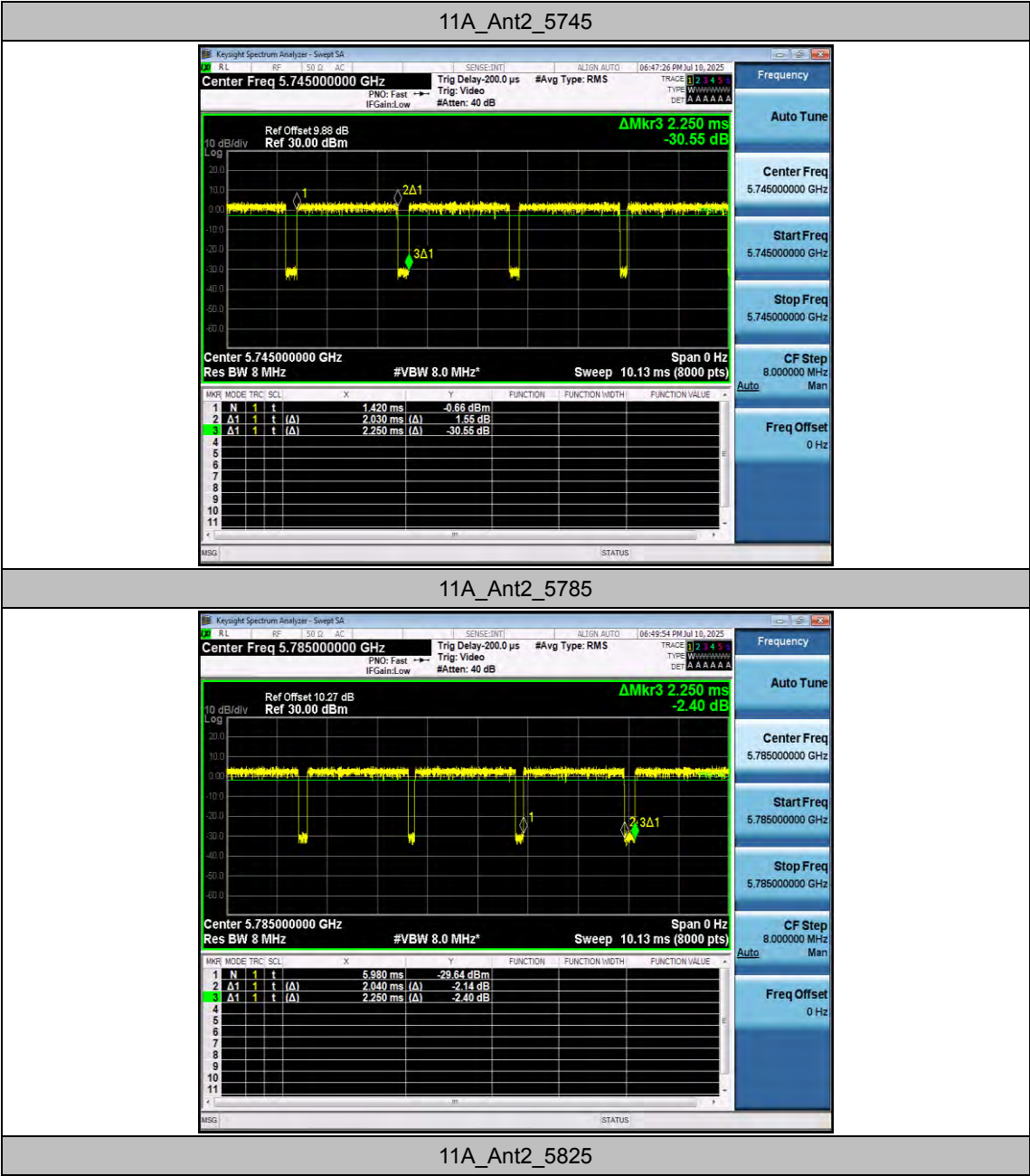


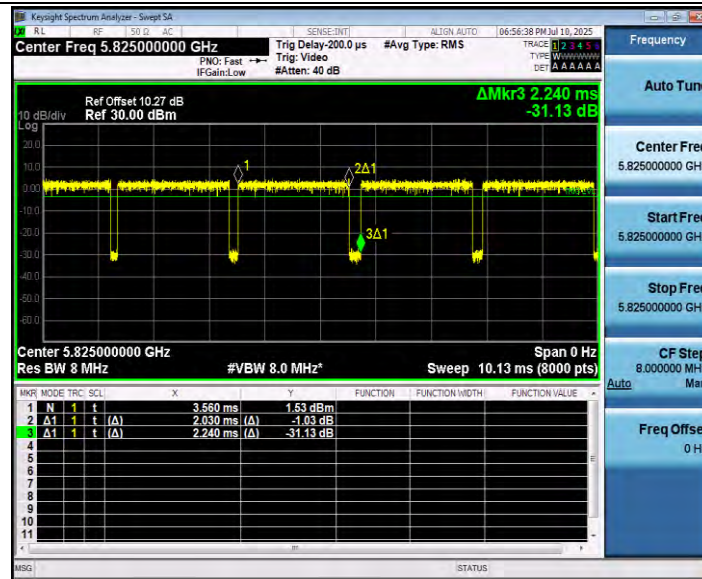
Appendix E.3: Duty Cycle

Test Result

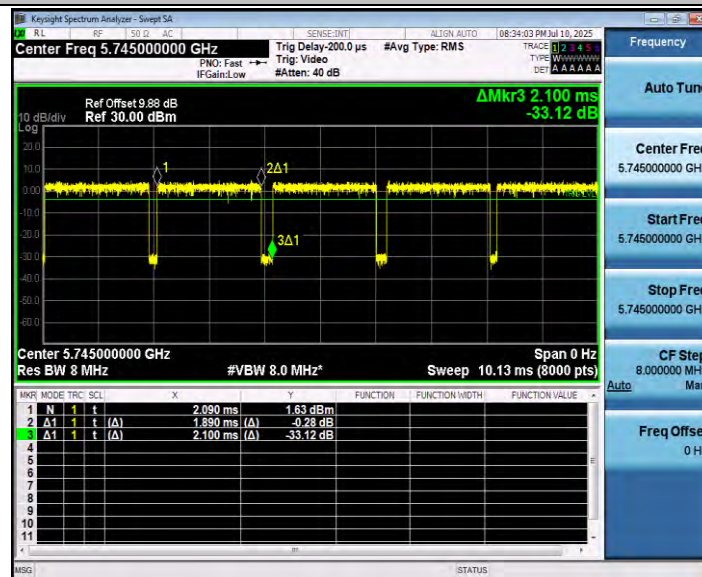
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5745	2.03	2.25	90.22	0.45	0.49
		5785	2.04	2.25	90.67	0.43	0.49
		5825	2.03	2.24	90.63	0.43	0.49
11N20SISO	Ant2	5745	1.89	2.10	90.00	0.46	0.53
		5785	1.89	2.01	94.03	0.27	0.53
		5825	1.89	2.10	90.00	0.46	0.53
11N40SISO	Ant2	5755	0.94	1.11	84.68	0.72	1.06
		5795	0.93	1.10	84.55	0.73	1.08
11AC20SISO	Ant2	5745	1.90	2.10	90.48	0.43	0.53
		5785	1.90	2.07	91.79	0.37	0.53
		5825	1.90	2.12	89.62	0.48	0.53
11AC40SISO	Ant2	5755	0.94	1.16	81.03	0.91	1.06
		5795	0.93	1.11	83.78	0.77	1.08
11AC80SISO	Ant2	5775	0.45	0.69	65.22	1.86	2.22
11AX20SISO	Ant2	5745	1.47	1.69	86.98	0.61	0.68
		5785	1.46	1.69	86.39	0.64	0.68
		5825	1.46	1.66	87.95	0.56	0.68
11AX40SISO	Ant2	5755	0.76	1.23	61.79	2.09	1.32
		5795	0.76	1.23	61.79	2.09	1.32
11AX80SISO	Ant2	5775	0.40	0.88	45.45	3.42	2.50

Test Graphs

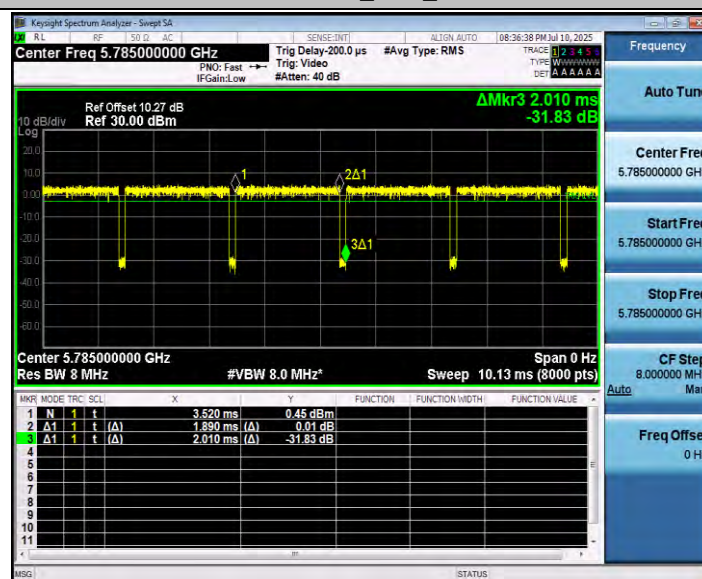




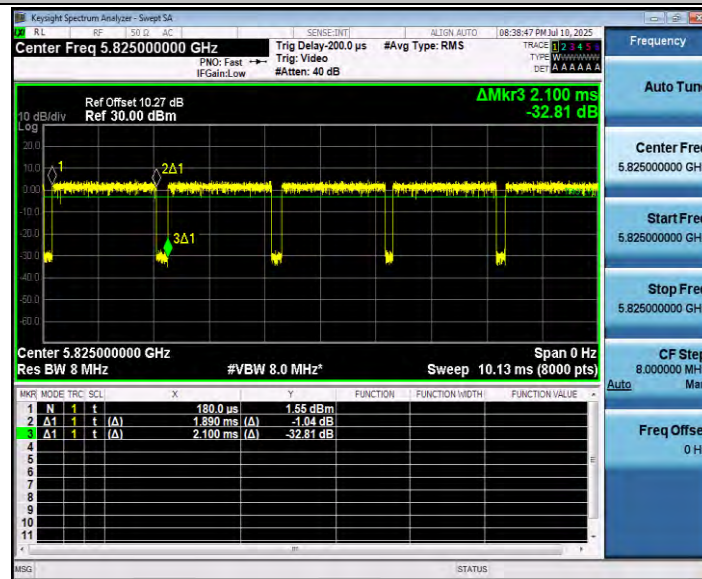
11N20SISO_Ant2_5745



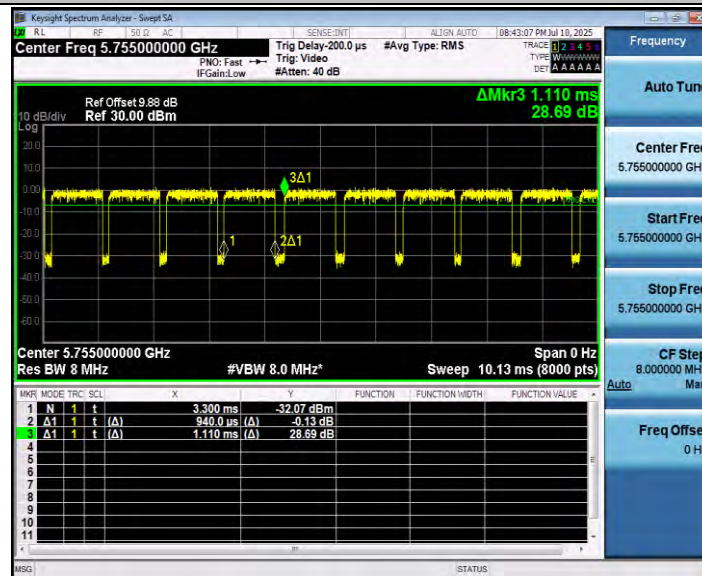
11N20SISO_Ant2_5785



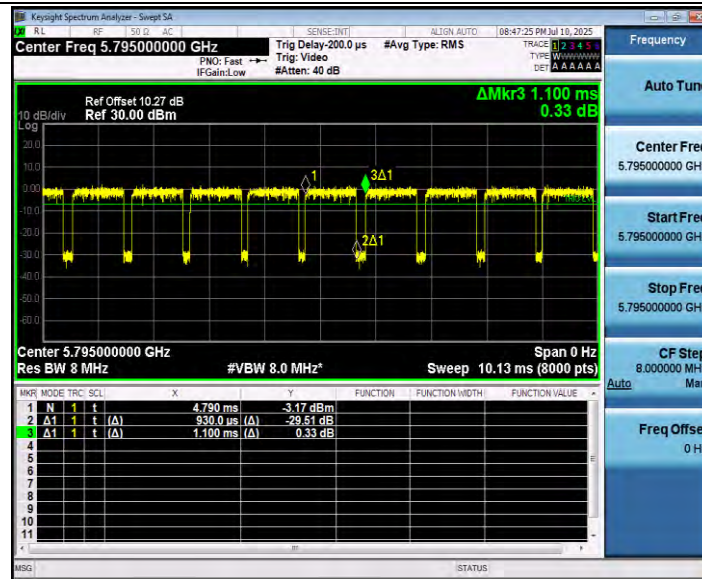
11N20SISO_Ant2_5825



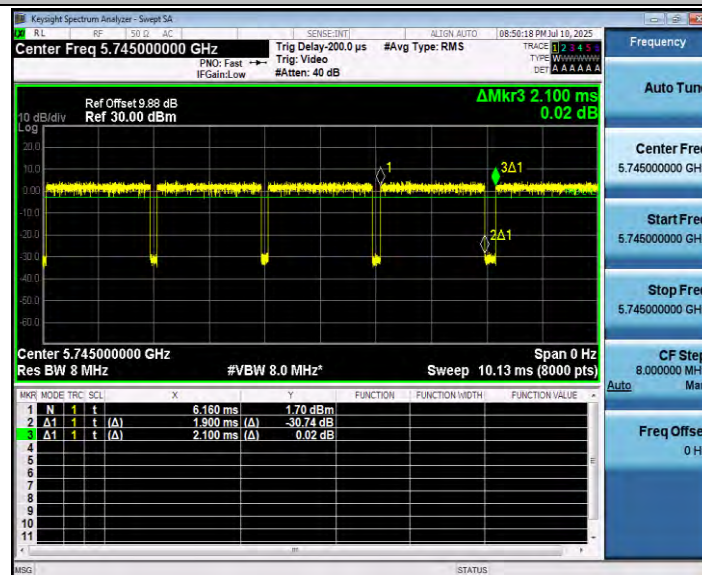
11N40SISO_Ant2_5755



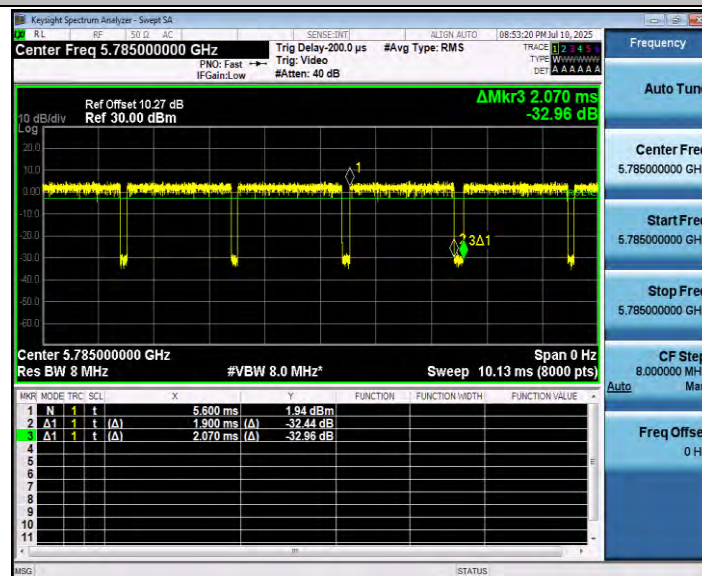
11N40SISO_Ant2_5795

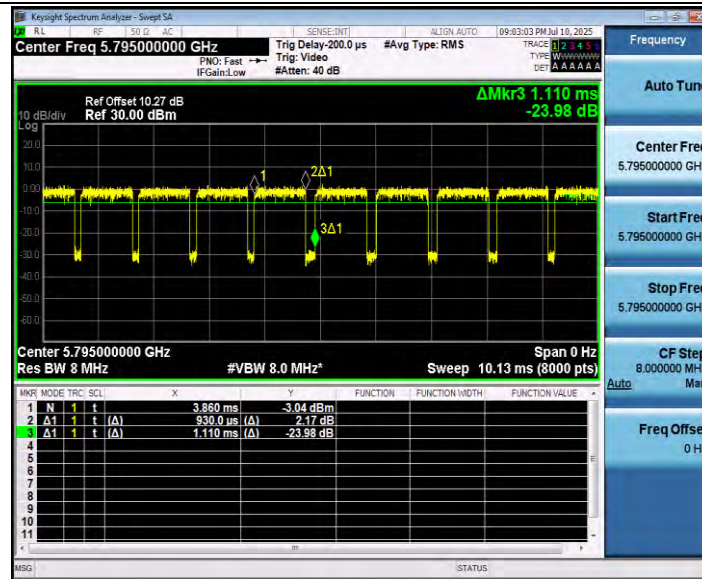


11AC20SISO_Ant2_5745

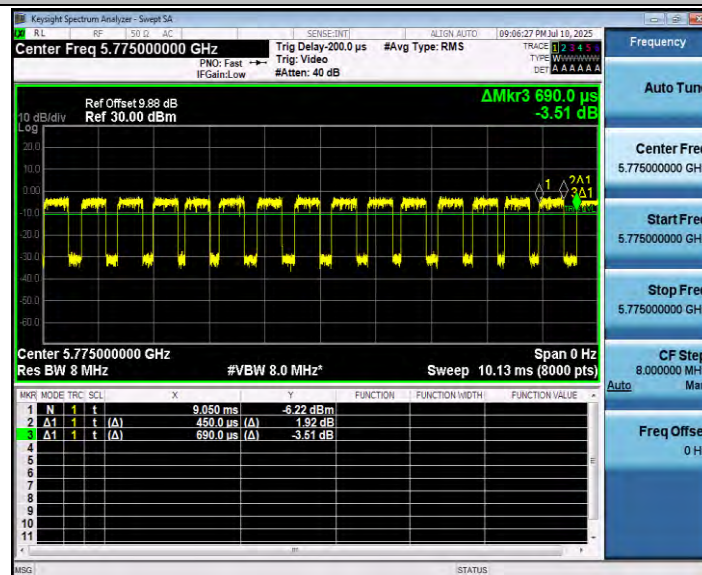


11AC20SISO_Ant2_5785

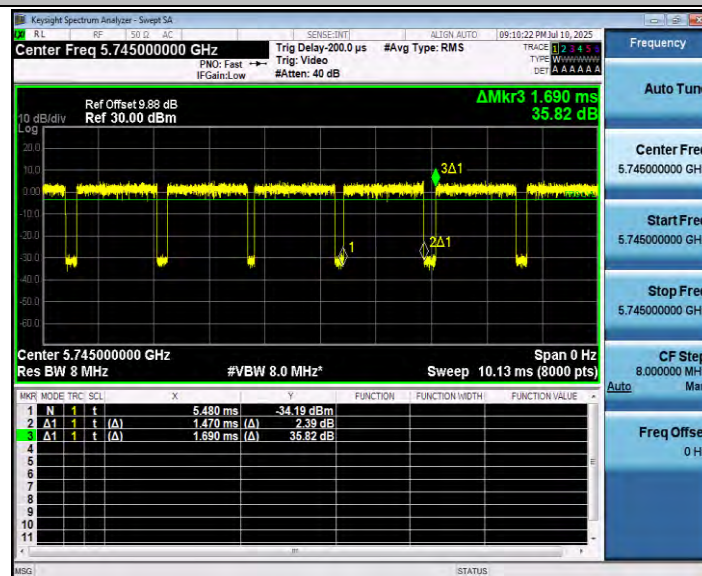




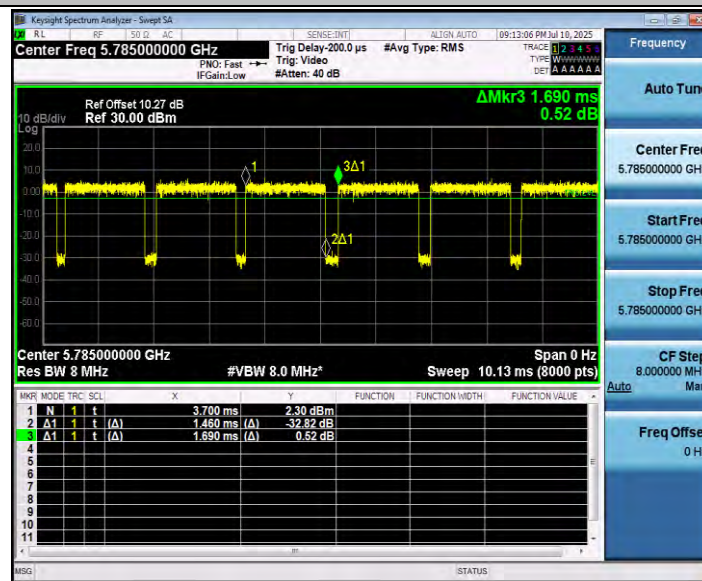
11AC80SISO_Ant2_5775



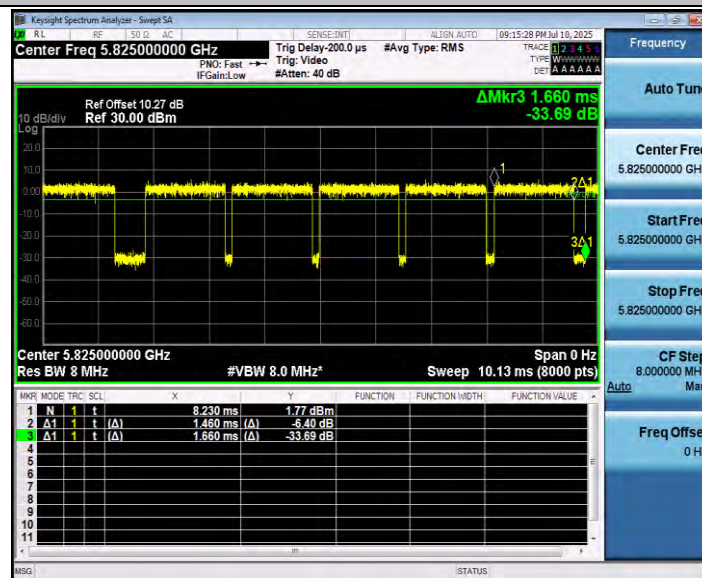
11AX20SISO_Ant2_5745



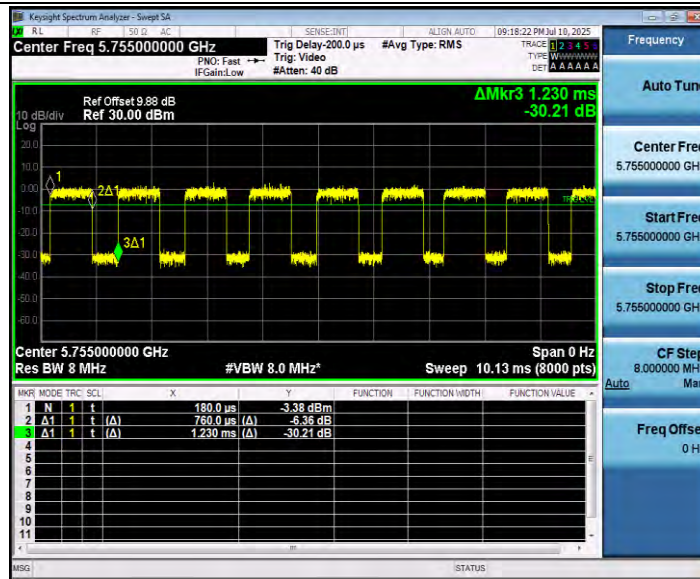
11AX20SISO_Ant2_5785



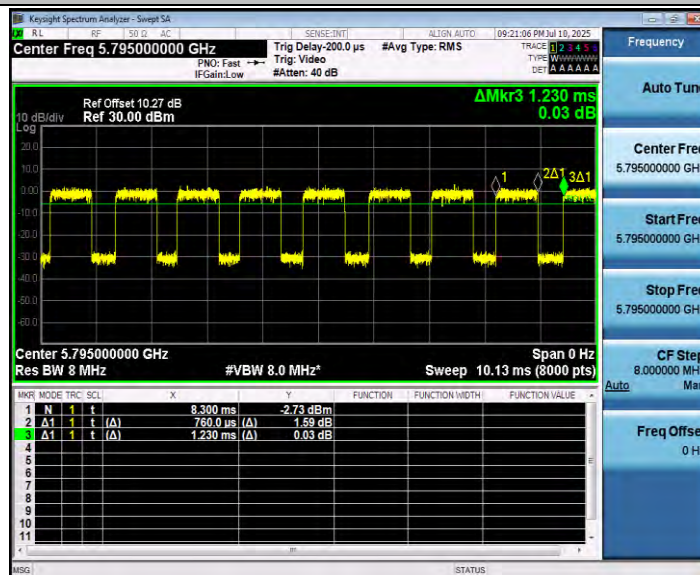
11AX20SISO_Ant2_5825



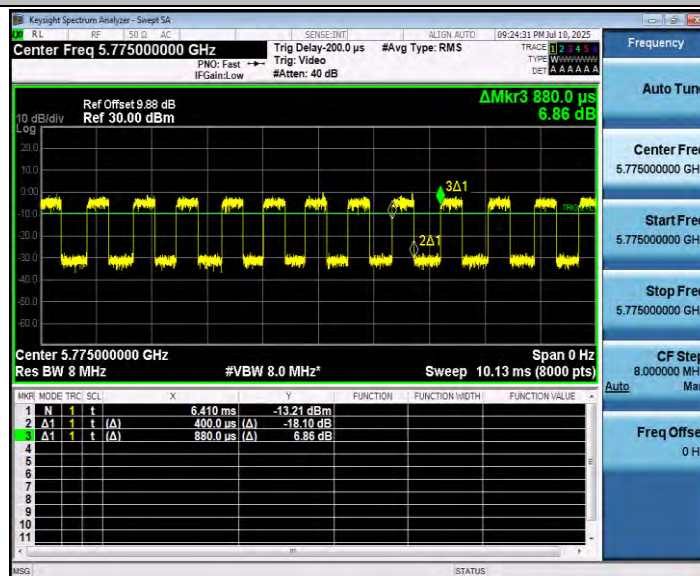
11AX40SISO_Ant2_5755



11AX40ISO_Ant2_5795



11AX80ISO_Ant2_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	Ant2	5745	5.22	90.22	0.45	5.67	≤30.00	PASS
		5785	6.07	90.67	0.43	6.50	≤30.00	PASS
		5825	5.05	90.63	0.43	5.48	≤30.00	PASS
11N20SISO	Ant2	5745	5.41	90.00	0.46	5.87	≤30.00	PASS
		5785	5.71	94.03	0.27	5.98	≤30.00	PASS
		5825	5.12	90.00	0.46	5.58	≤30.00	PASS
11N40SISO	Ant2	5755	4.56	84.68	0.72	5.28	≤30.00	PASS
		5795	5.16	84.55	0.73	5.89	≤30.00	PASS
11AC20SISO	Ant2	5745	5.43	90.48	0.43	5.86	≤30.00	PASS
		5785	5.79	91.79	0.37	6.16	≤30.00	PASS
		5825	5.24	89.62	0.48	5.72	≤30.00	PASS
11AC40SISO	Ant2	5755	4.80	81.03	0.91	5.71	≤30.00	PASS
		5795	4.34	83.78	0.77	5.11	≤30.00	PASS
11AC80SISO	Ant2	5775	3.46	65.22	1.86	5.32	≤30.00	PASS
11AX20SISO	Ant2	5745	5.25	86.98	0.61	5.86	≤30.00	PASS
		5785	5.75	86.39	0.64	6.39	≤30.00	PASS
		5825	5.29	87.95	0.56	5.85	≤30.00	PASS
11AX40SISO	Ant2	5755	4.69	61.79	2.09	6.78	≤30.00	PASS
		5795	4.09	61.79	2.09	6.18	≤30.00	PASS
11AX80SISO	Ant2	5775	3.42	45.45	3.42	6.84	≤30.00	PASS

Appendix E.5: Maximum power spectral density

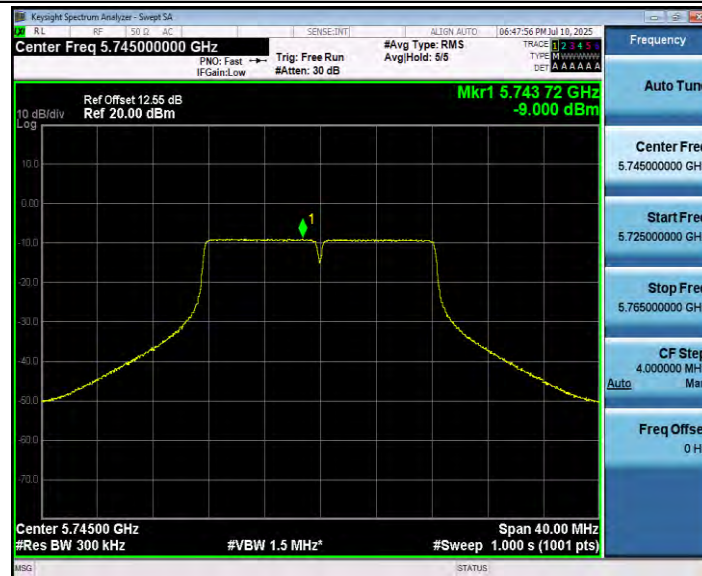
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-9.00	≤30.00	PASS
		5785	-8.21	≤30.00	PASS
		5825	-8.82	≤30.00	PASS
11N20SISO	Ant2	5745	-8.81	≤30.00	PASS
		5785	-8.78	≤30.00	PASS
		5825	-9.16	≤30.00	PASS
11N40SISO	Ant2	5755	-12.00	≤30.00	PASS
		5795	-11.75	≤30.00	PASS
11AC20SISO	Ant2	5745	-8.85	≤30.00	PASS
		5785	-8.69	≤30.00	PASS
		5825	-8.97	≤30.00	PASS
11AC40SISO	Ant2	5755	-11.94	≤30.00	PASS
		5795	-11.51	≤30.00	PASS
11AC80SISO	Ant2	5775	-14.23	≤30.00	PASS
11AX20SISO	Ant2	5745	-9.06	≤30.00	PASS
		5785	-8.73	≤30.00	PASS
		5825	-9.26	≤30.00	PASS
11AX40SISO	Ant2	5755	-11.00	≤30.00	PASS
		5795	-10.77	≤30.00	PASS
11AX80SISO	Ant2	5775	-13.34	≤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_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



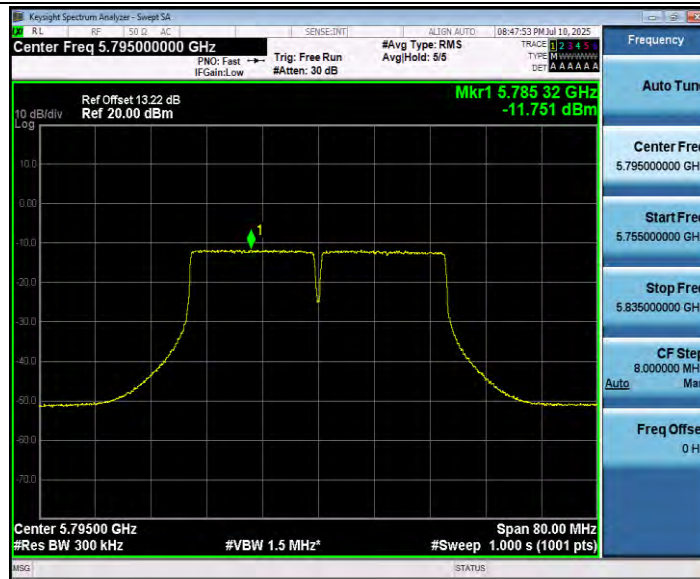
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



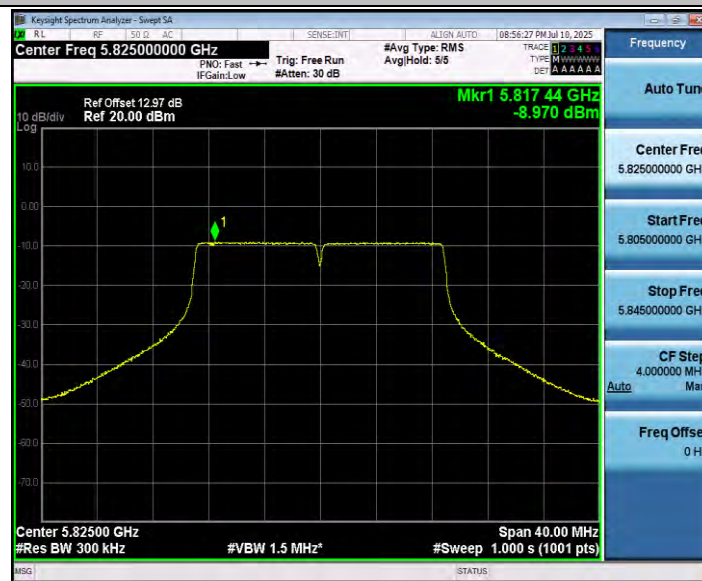
11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



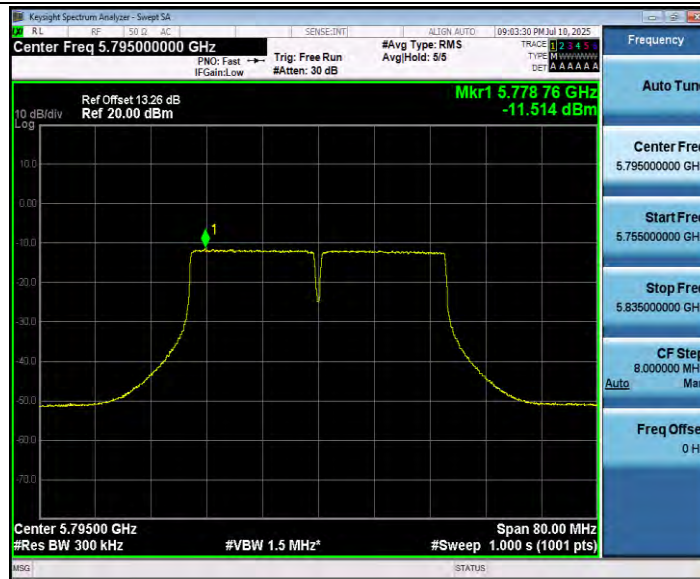
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



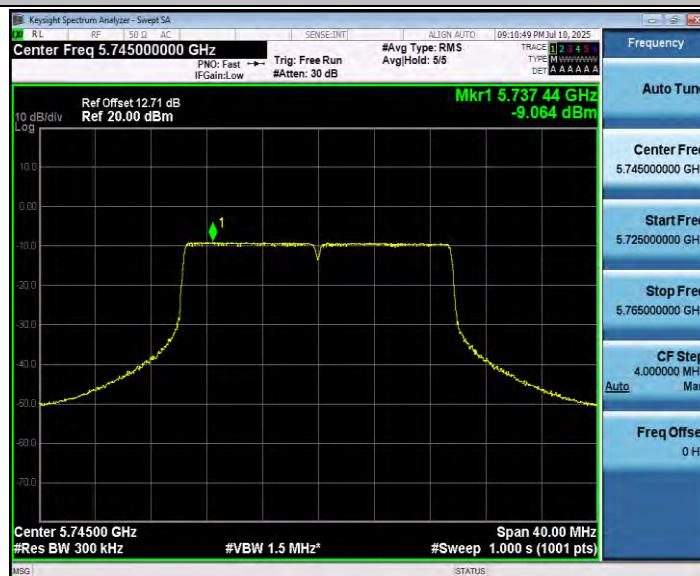
11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



11AX20SISO_Ant2_5745



11AX20SISO_Ant2_5785



11AX20SISO_Ant2_5825



11AX40SISO_Ant2_5755



11AX40SISO_Ant2_5795



11AX80SISO_Ant2_5775

