

Case No. : <u>GTS20250825004-3-14</u>
Ambient Condition: <u>23</u> °C, <u>51</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.09.03-2025.09.26</u> Test Engineer: <u>Evan ouyang</u>

AppendixG.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.913	5736.0358	5753.9488	---	---
		5785	17.889	5775.9425	5793.8315	---	---
		5825	17.865	5815.9522	5833.8172	---	---
11N20SISO	Ant1	5745	18.936	5735.5488	5754.4848	---	---
		5785	19.034	5775.3820	5794.4160	---	---
		5825	19.041	5815.4346	5834.4756	---	---
11N40SISO	Ant1	5755	37.609	5736.2261	5773.8351	---	---
		5795	37.680	5776.0353	5813.7153	---	---
11AC20SISO	Ant1	5745	18.980	5735.5606	5754.5406	---	---
		5785	19.028	5775.3645	5794.3925	---	---
		5825	18.923	5815.4848	5834.4078	---	---
11AC40SISO	Ant1	5755	37.748	5736.2454	5773.9934	---	---
		5795	37.698	5776.0244	5813.7224	---	---
11AC80SISO	Ant1	5775	76.927	5736.4356	5813.3626	---	---
11AX20SISO	Ant1	5745	19.710	5735.1814	5754.8914	---	---
		5785	19.617	5775.1569	5794.7739	---	---
		5825	19.675	5815.1515	5834.8265	---	---
11AX40SISO	Ant1	5755	38.527	5735.7655	5774.2925	---	---
		5795	38.481	5775.7113	5814.1923	---	---
11AX80SISO	Ant1	5775	78.121	5735.9658	5814.0868	---	---

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



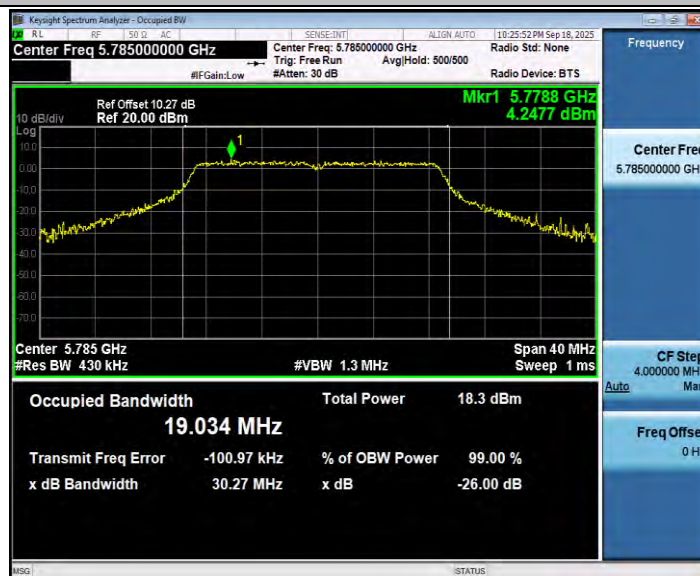
11A_Ant1_5825



11N20SISO_Ant1_5745



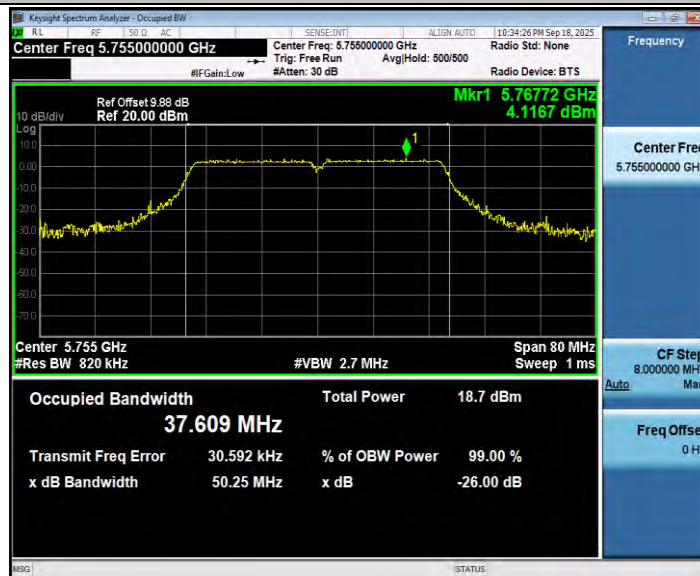
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



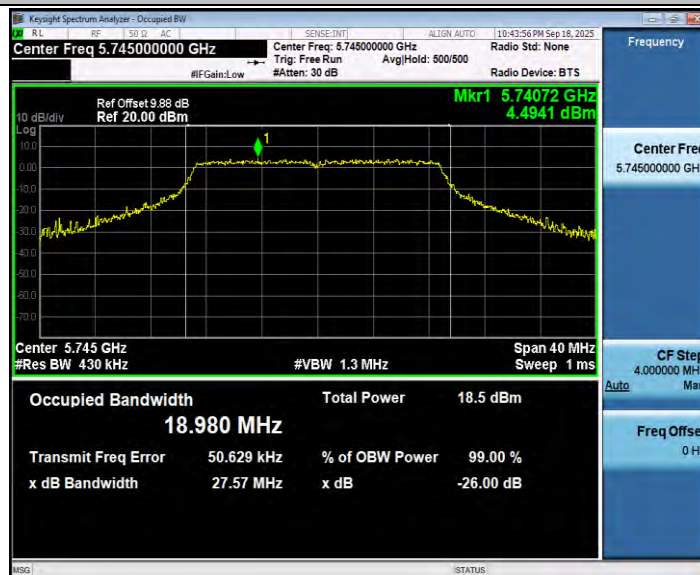
11N40SISO_Ant1_5755



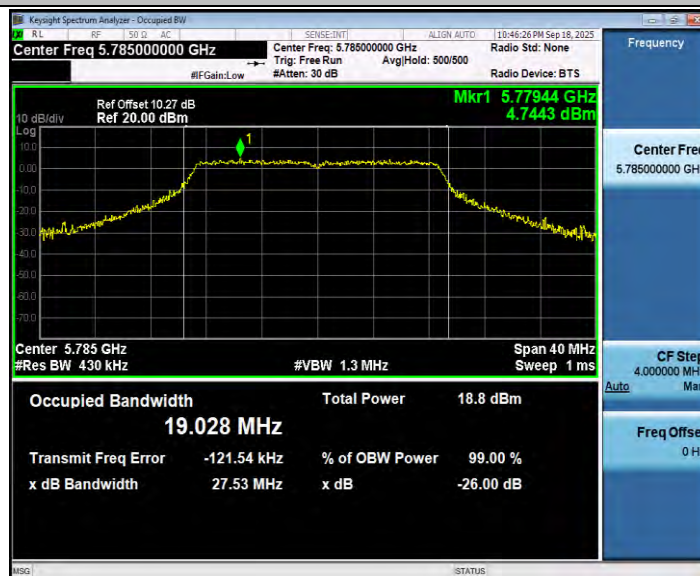
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



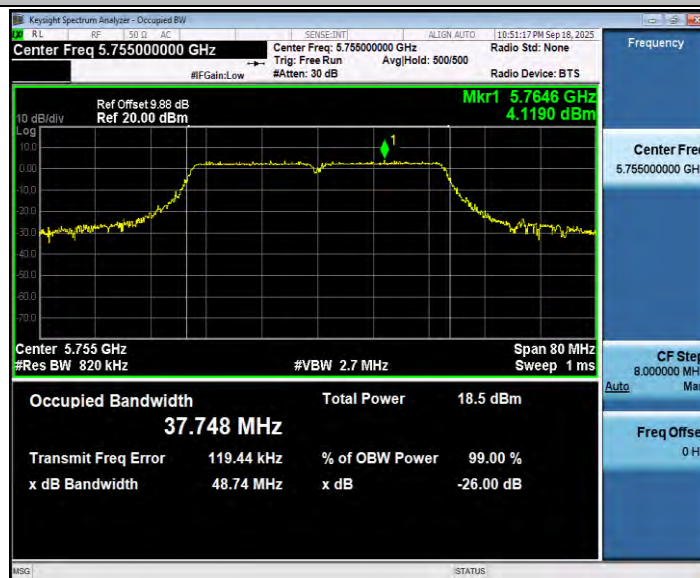
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



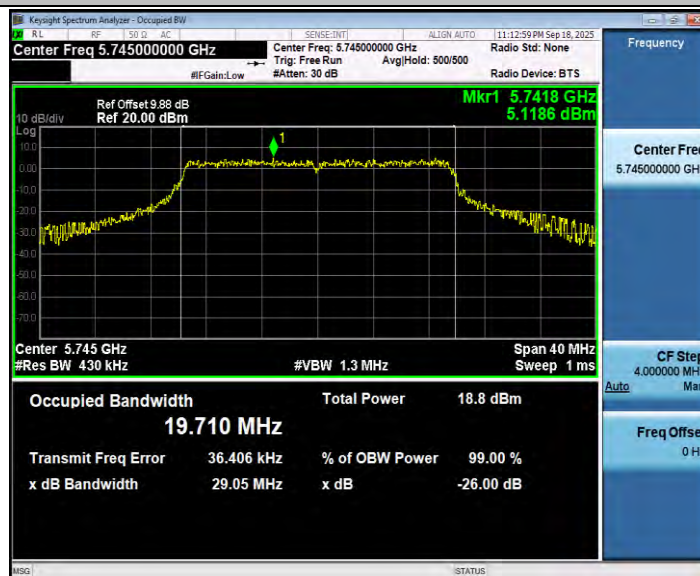
11AC40SISO_Ant1_5795



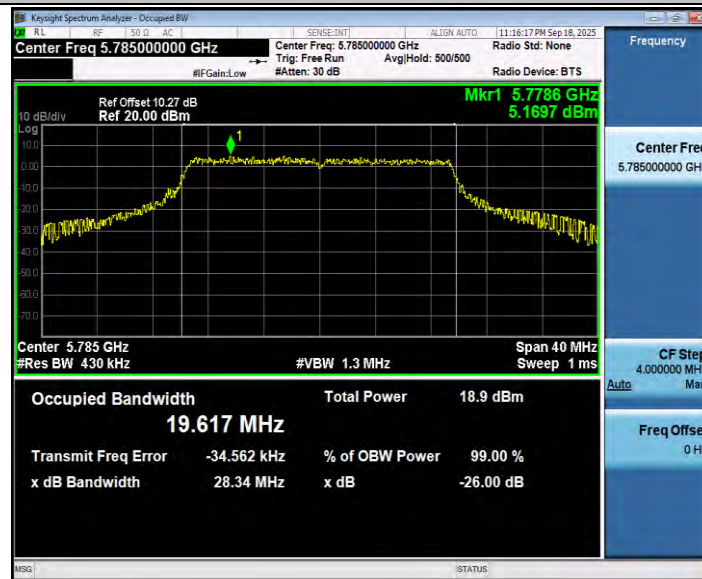
11AC80SISO_Ant1_5775



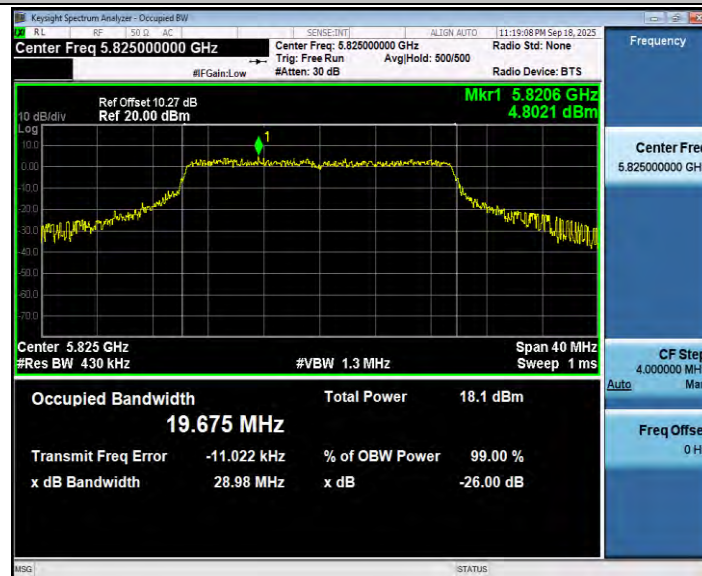
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



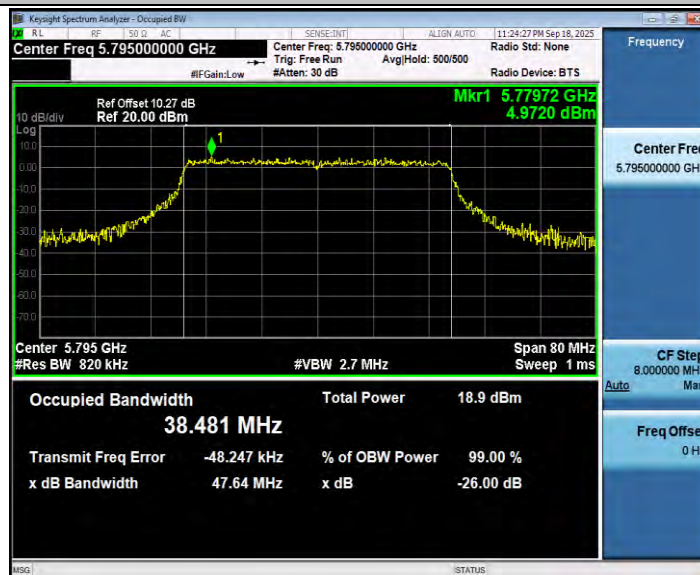
11AX20SISO_Ant1_5825



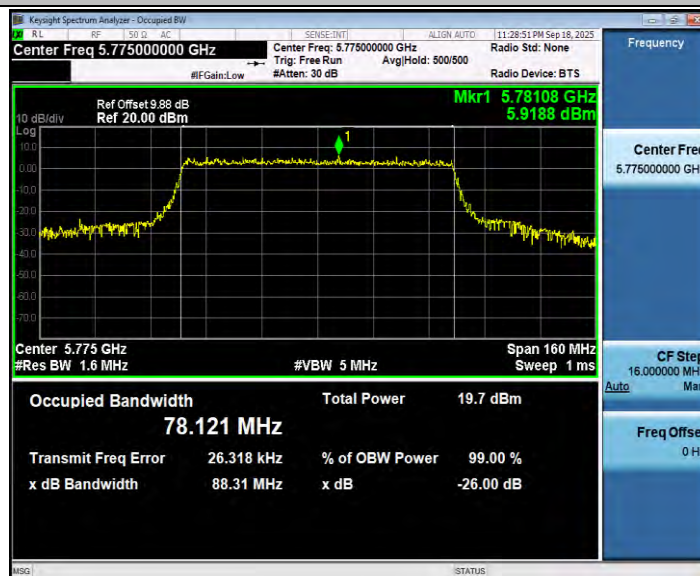
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



AppendixG.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	5736.800	5753.200	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.640	5816.160	5833.800	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	5736.200	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	36.400	5776.760	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	76.320	5736.760	5813.080	0.5	PASS
11AX20SISO	Ant1	5745	18.960	5735.520	5754.480	0.5	PASS
		5785	18.920	5775.520	5794.440	0.5	PASS
		5825	19.000	5815.480	5834.480	0.5	PASS
11AX40SISO	Ant1	5755	38.160	5735.880	5774.040	0.5	PASS
		5795	38.080	5775.880	5813.960	0.5	PASS
11AX80SISO	Ant1	5775	78.080	5735.960	5814.040	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



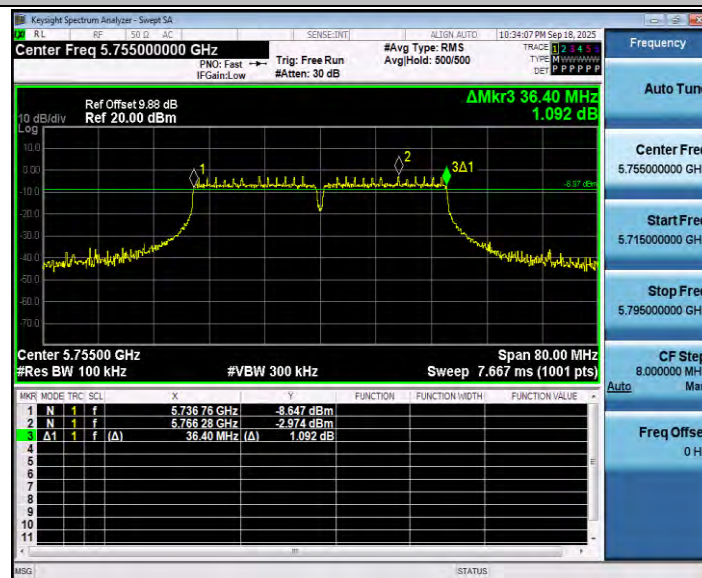
11N20SISO_Ant1_5785



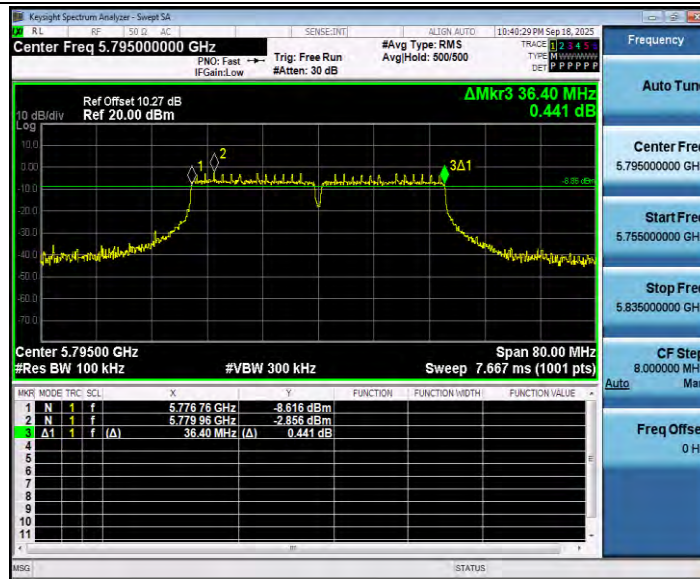
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



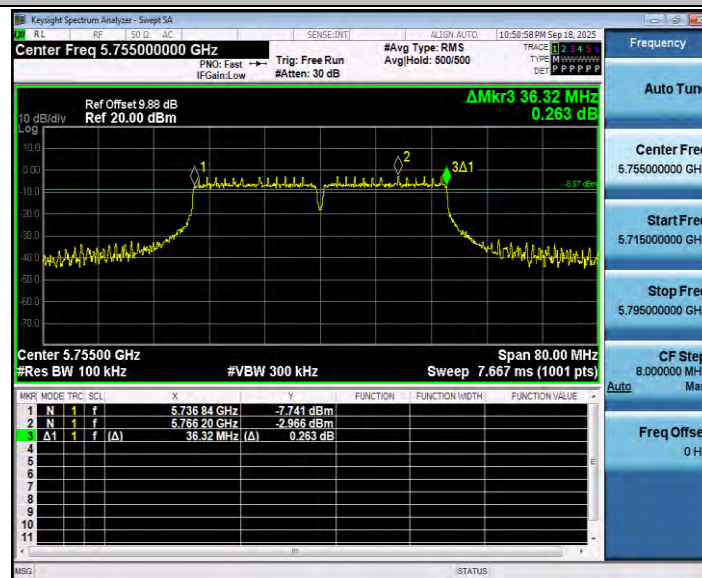
11AC20SISO_Ant1_5785



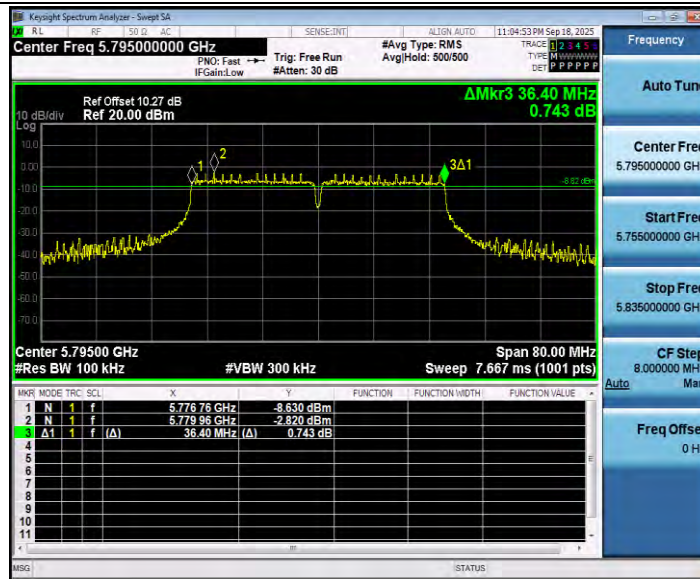
11AC20SISO_Ant1_5825



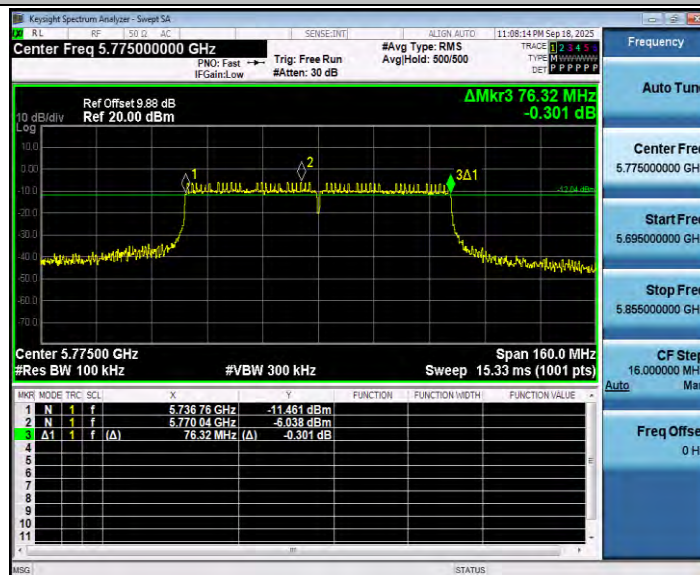
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



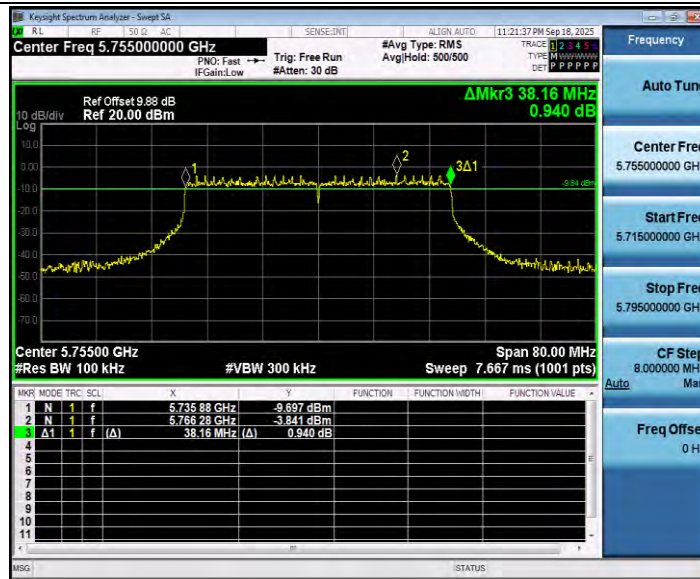
11AX20SISO_Ant1_5785



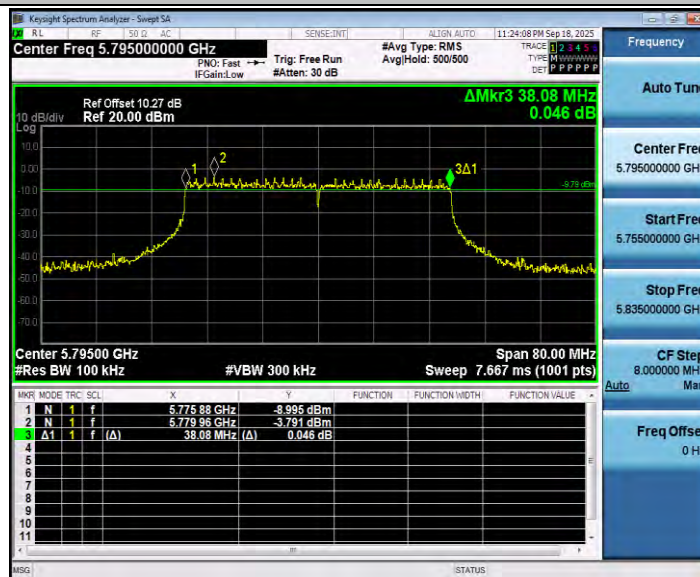
11AX20SISO_Ant1_5825



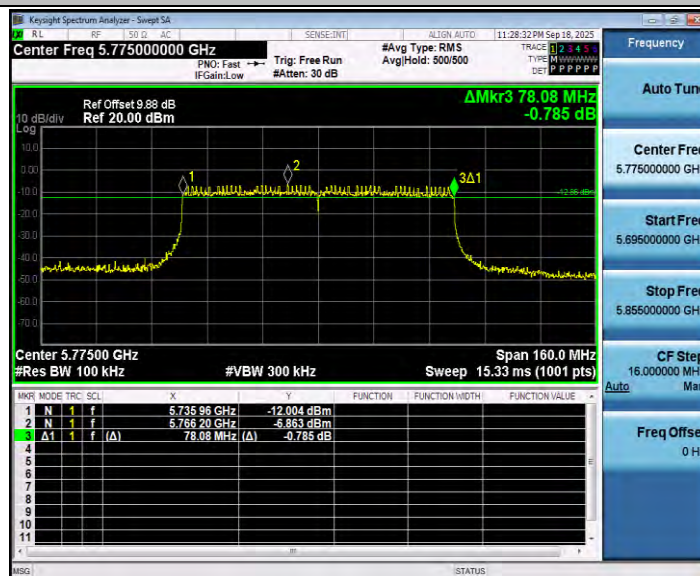
11AX40SISO_Ant1_5755



11AX40ISO_Ant1_5795



11AX80ISO_Ant1_5775

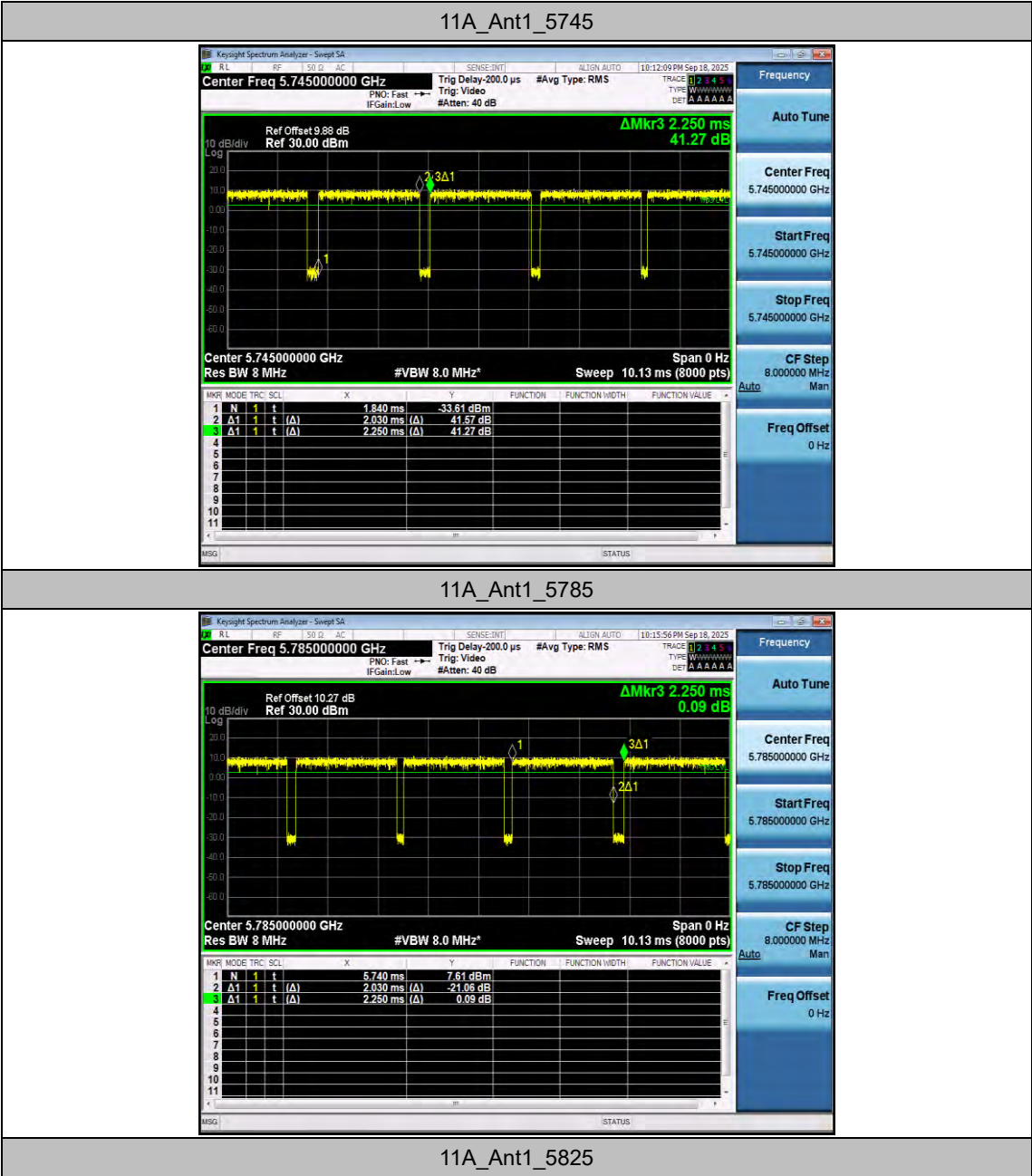


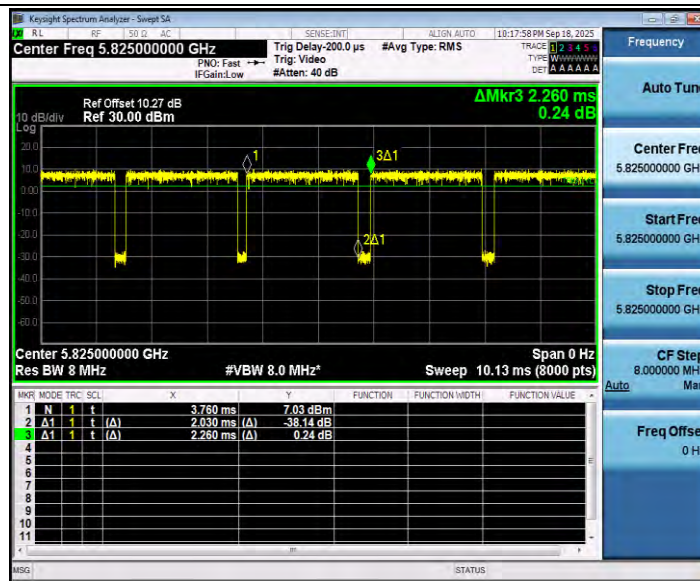
AppendixG.3: Duty Cycle

Test Result

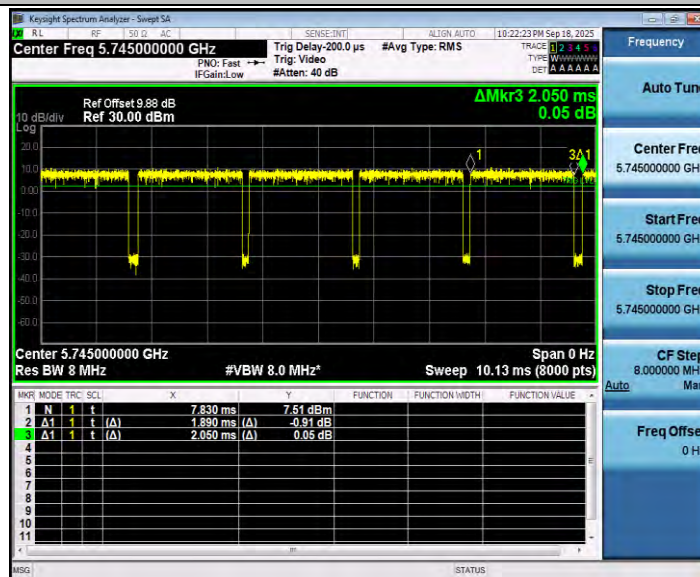
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	2.03	2.25	90.22	0.45	0.49
		5785	2.03	2.25	90.22	0.45	0.49
		5825	2.03	2.26	89.82	0.47	0.49
11N20SISO	Ant1	5745	1.89	2.05	92.20	0.35	0.53
		5785	1.90	2.11	90.05	0.46	0.53
		5825	1.89	2.31	81.82	0.87	0.53
11N40SISO	Ant1	5755	0.93	1.35	68.89	1.62	1.08
		5795	0.93	1.17	79.49	1.00	1.08
11AC20SISO	Ant1	5745	1.90	2.18	87.16	0.60	0.53
		5785	1.90	2.13	89.20	0.50	0.53
		5825	1.90	2.11	90.05	0.46	0.53
11AC40SISO	Ant1	5755	0.94	1.11	84.68	0.72	1.06
		5795	0.94	1.18	79.66	0.99	1.06
11AC80SISO	Ant1	5775	0.46	0.67	68.66	1.63	2.17
11AX20SISO	Ant1	5745	1.46	1.67	87.43	0.58	0.68
		5785	1.46	1.70	85.88	0.66	0.68
		5825	1.46	1.69	86.39	0.64	0.68
11AX40SISO	Ant1	5755	0.76	0.97	78.35	1.06	1.32
		5795	0.77	1.26	61.11	2.14	1.30
11AX80SISO	Ant1	5775	0.39	0.88	44.32	3.53	2.56

Test Graphs

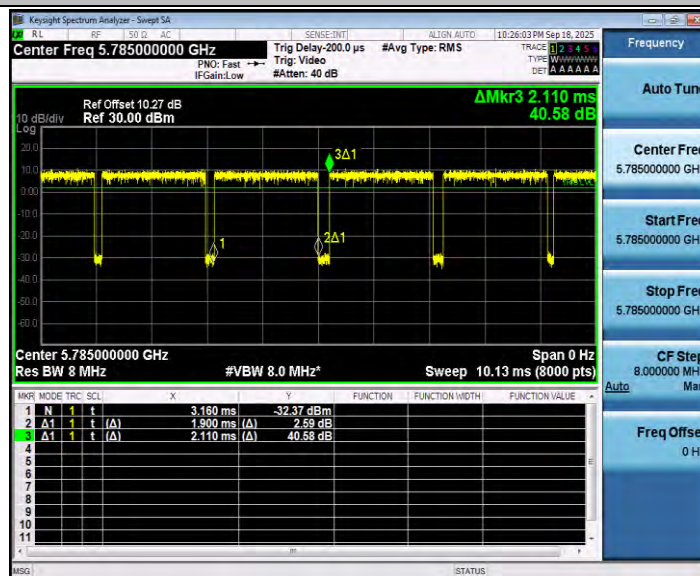


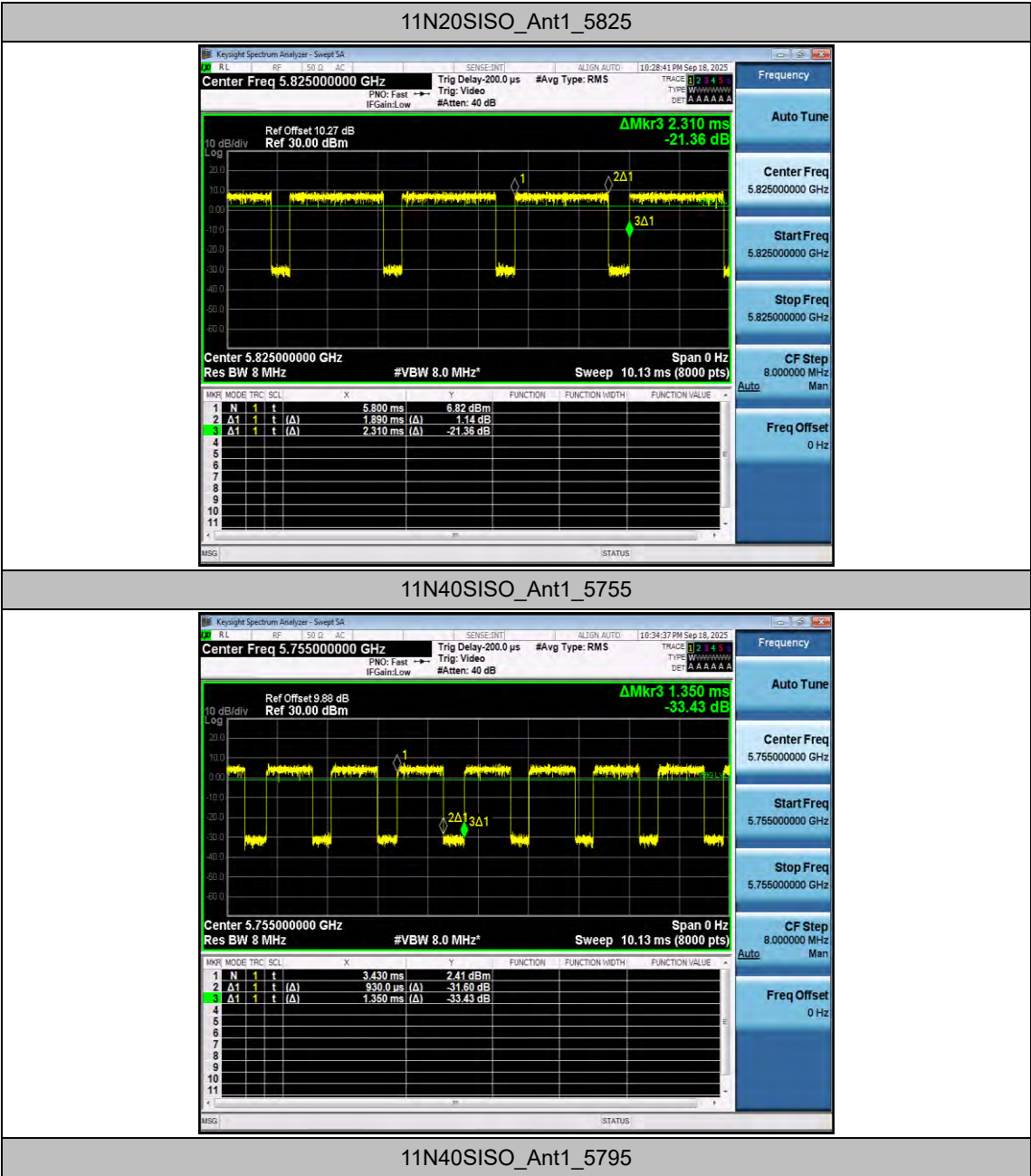


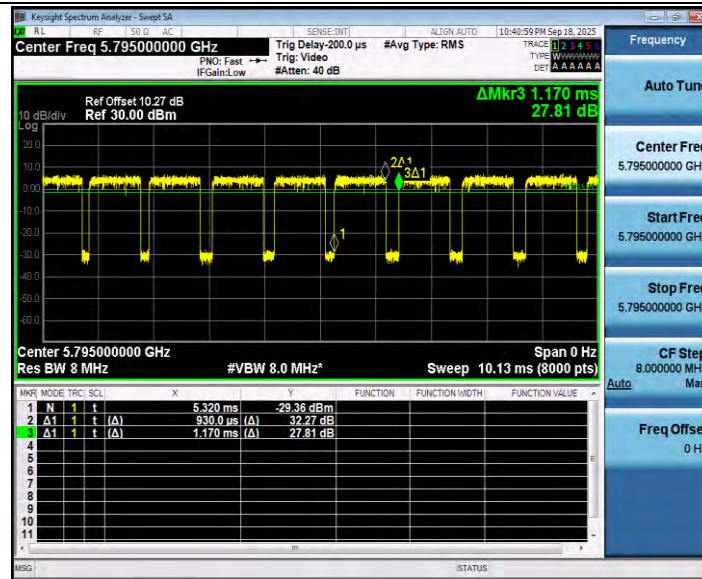
11N20SISO_Ant1_5745



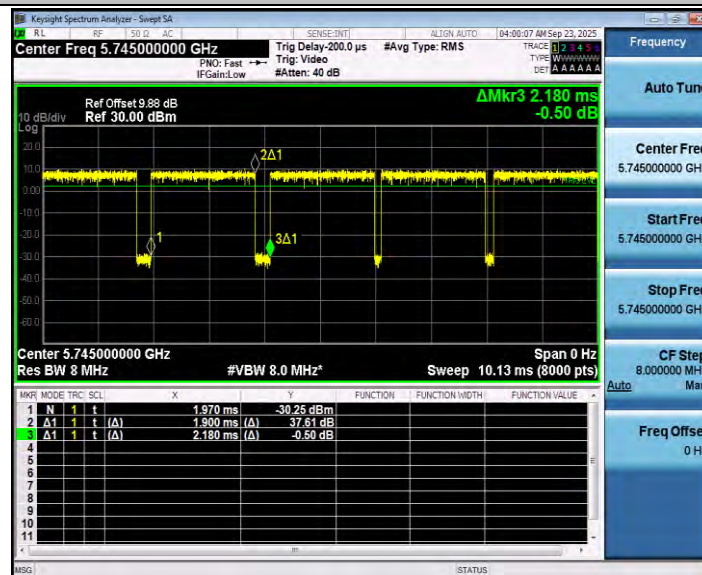
11N20SISO_Ant1_5785



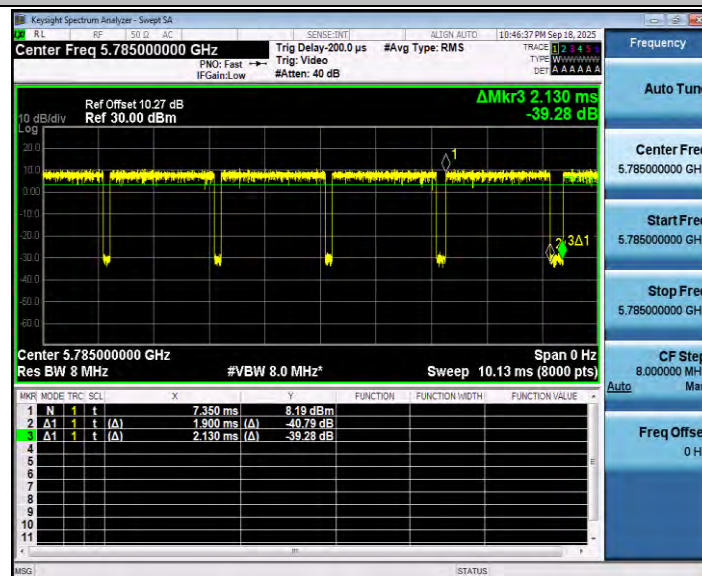


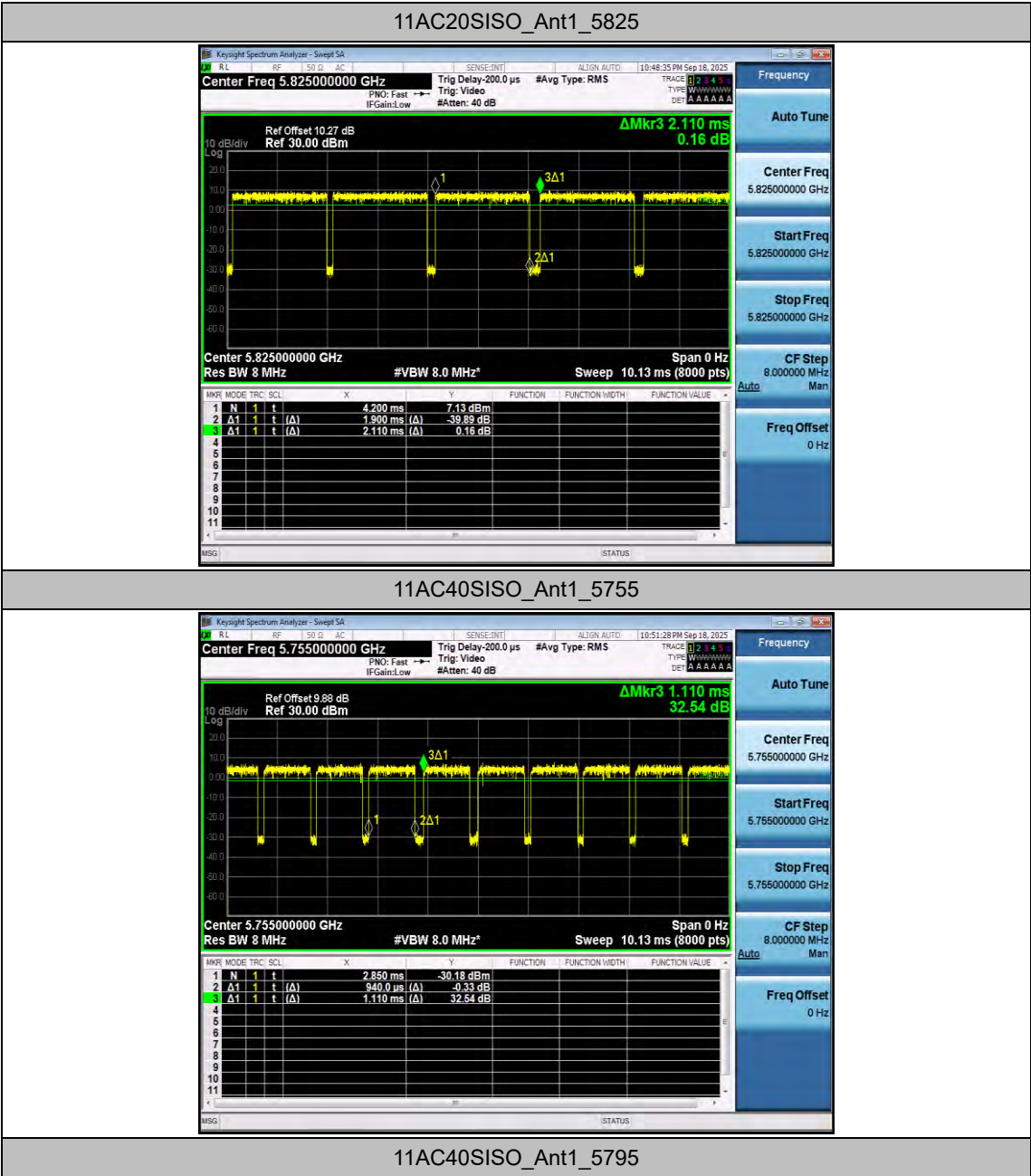


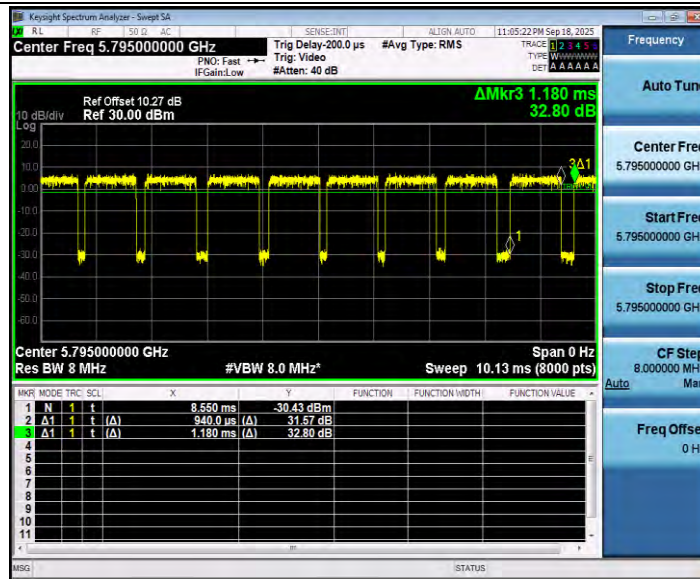
11AC20SISO_Ant1_5745



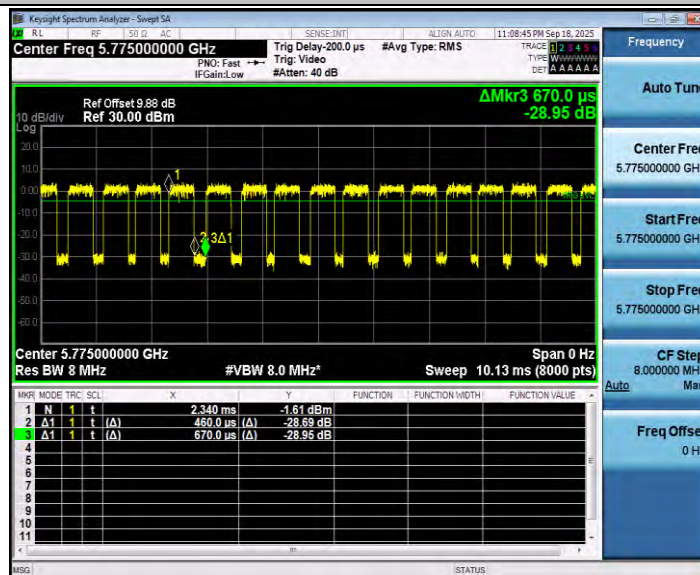
11AC20SISO_Ant1_5785



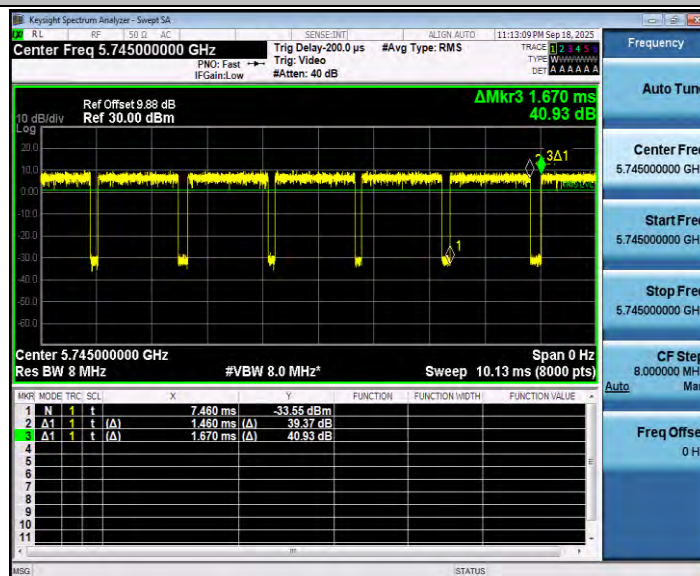


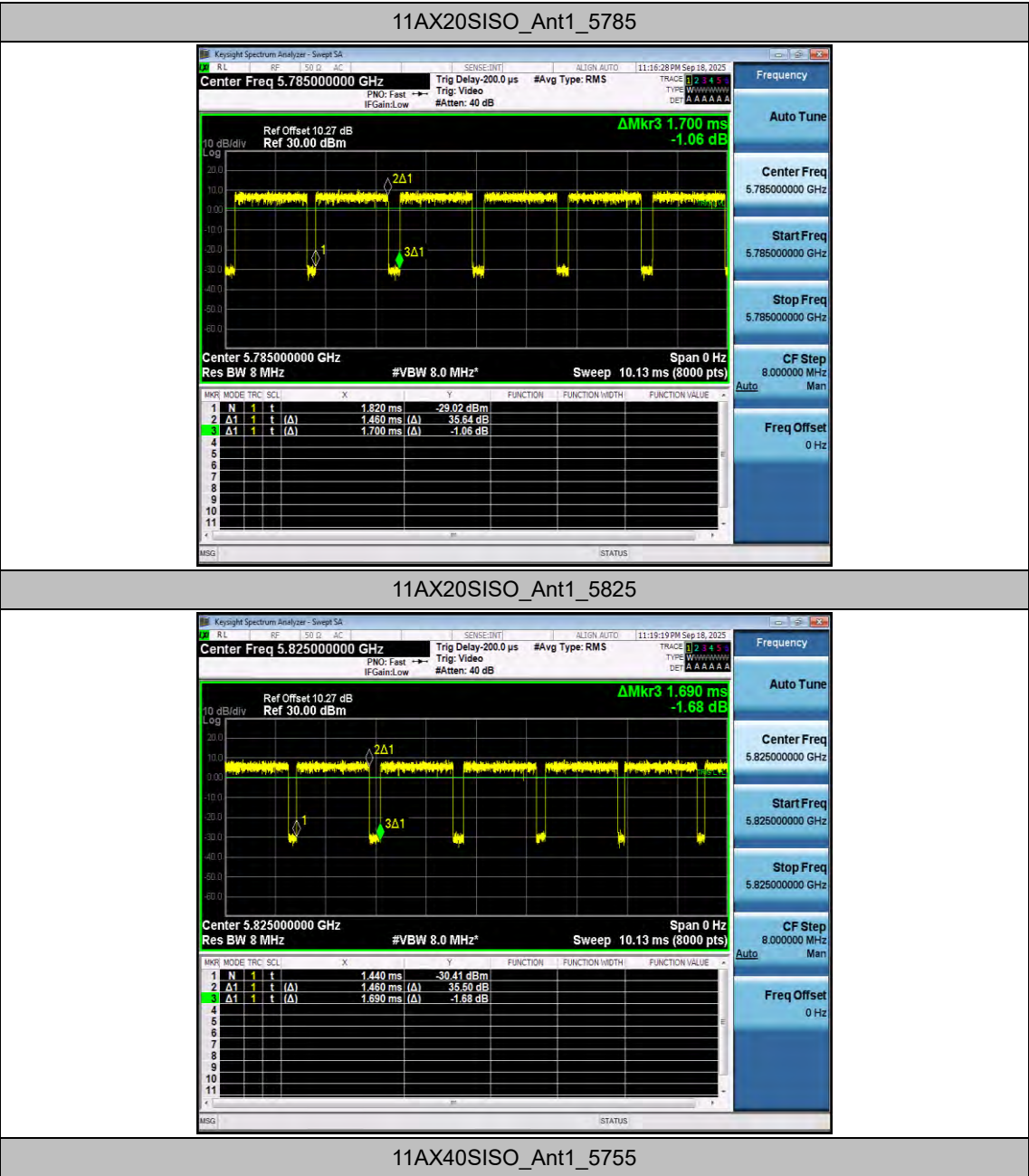


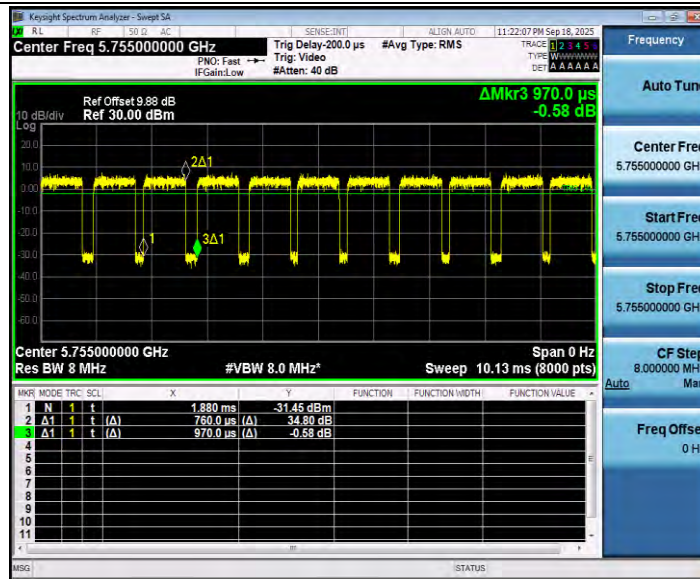
11AC80SISO_Ant1_5775



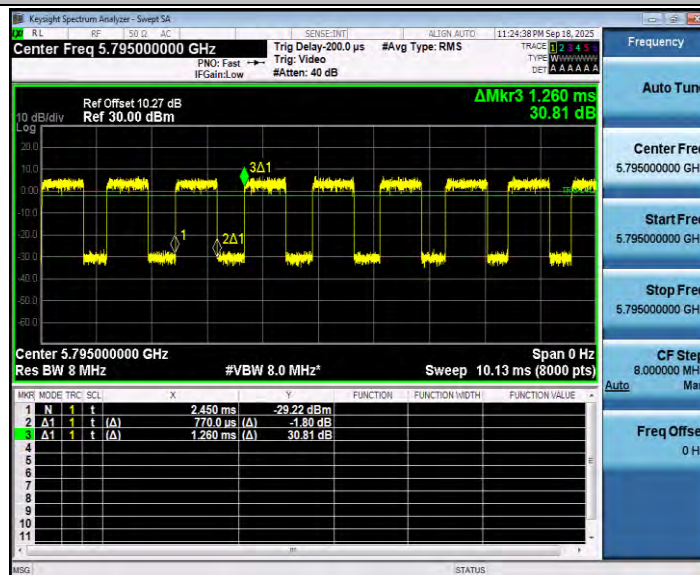
11AX20SISO_Ant1_5745



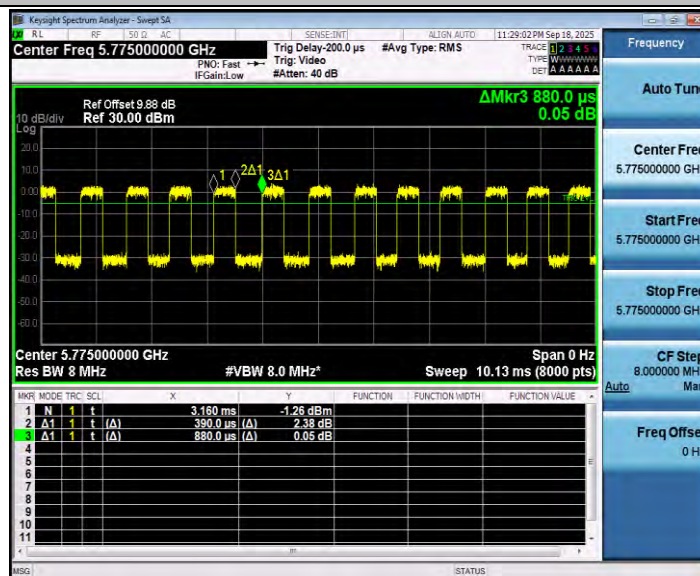




11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



AppendixG.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	11.33	90.22	0.45	11.78	≤30.00	PASS
		5785	11.23	90.22	0.45	11.68	≤30.00	PASS
		5825	10.48	89.82	0.47	10.95	≤30.00	PASS
11N20SISO	Ant1	5745	11.12	92.20	0.35	11.47	≤30.00	PASS
		5785	11.16	90.05	0.46	11.62	≤30.00	PASS
		5825	10.47	81.82	0.87	11.34	≤30.00	PASS
11N40SISO	Ant1	5755	10.47	68.89	1.62	12.09	≤30.00	PASS
		5795	10.65	79.49	1.00	11.65	≤30.00	PASS
11AC20SISO	Ant1	5745	11.14	87.16	0.60	11.74	≤30.00	PASS
		5785	11.59	89.20	0.50	12.09	≤30.00	PASS
		5825	10.82	90.05	0.46	11.28	≤30.00	PASS
11AC40SISO	Ant1	5755	10.67	84.68	0.72	11.39	≤30.00	PASS
		5795	10.77	79.66	0.99	11.76	≤30.00	PASS
11AC80SISO	Ant1	5775	10.10	68.66	1.63	11.73	≤30.00	PASS
11AX20SISO	Ant1	5745	9.95	87.43	0.58	10.53	≤30.00	PASS
		5785	10.06	85.88	0.66	10.72	≤30.00	PASS
		5825	9.34	86.39	0.64	9.98	≤30.00	PASS
11AX40SISO	Ant1	5755	9.55	78.35	1.06	10.61	≤30.00	PASS
		5795	8.50	61.11	2.14	10.64	≤30.00	PASS
11AX80SISO	Ant1	5775	8.92	44.32	3.53	12.45	≤30.00	PASS

AppendixG.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.67	≤30.00	PASS
		5785	-2.65	≤30.00	PASS
		5825	-3.41	≤30.00	PASS
11N20SISO	Ant1	5745	-3.22	≤30.00	PASS
		5785	-3.00	≤30.00	PASS
		5825	-3.37	≤30.00	PASS
11N40SISO	Ant1	5755	-5.09	≤30.00	PASS
		5795	-5.70	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.06	≤30.00	PASS
		5785	-2.87	≤30.00	PASS
		5825	-3.79	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.15	≤30.00	PASS
		5795	-5.56	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.75	≤30.00	PASS
11AX20SISO	Ant1	5745	-4.15	≤30.00	PASS
		5785	-3.94	≤30.00	PASS
		5825	-4.96	≤30.00	PASS
11AX40SISO	Ant1	5755	-7.55	≤30.00	PASS
		5795	-5.89	≤30.00	PASS
11AX80SISO	Ant1	5775	-9.18	≤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 Factorand RBW Factoriscompensatedinthegraph.

Test Graphs

11A_Ant1_5745



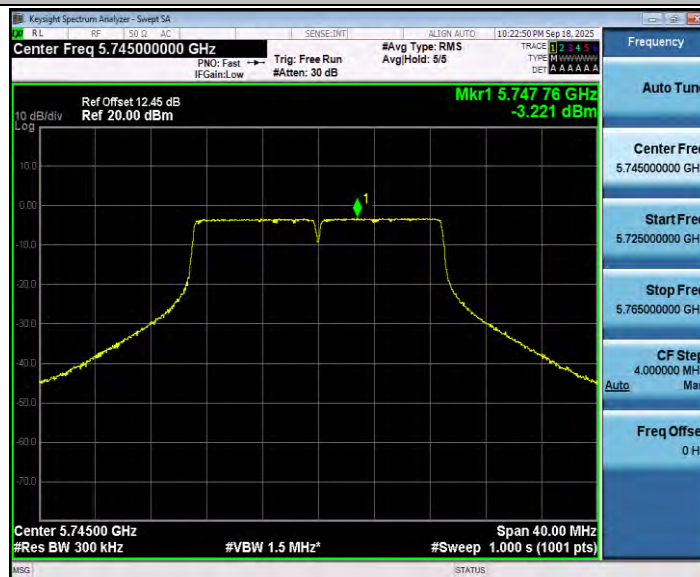
11A_Ant1_5785



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

