

Case No. : <u>GTS20250901012-5-04</u>	
Ambient Condition: <u>22</u> °C, <u>48</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.9.27</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.680	5753.080	0.5	PASS
		5785	16.360	5776.760	5793.120	0.5	PASS
		5825	16.400	5816.720	5833.120	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.640	5776.120	5793.760	0.5	PASS
		5825	17.600	5816.120	5833.720	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.760	5773.080	0.5	PASS
		5795	36.320	5776.760	5813.080	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.600	5776.120	5793.720	0.5	PASS
		5825	17.640	5816.120	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.760	5773.080	0.5	PASS
		5795	36.320	5776.760	5813.080	0.5	PASS
11AX20SISO	Ant1	5745	19.000	5735.440	5754.440	0.5	PASS
		5785	19.000	5775.440	5794.440	0.5	PASS
		5825	19.000	5815.440	5834.440	0.5	PASS
11AX40SISO	Ant1	5755	38.080	5735.880	5773.960	0.5	PASS
		5795	38.080	5775.880	5813.960	0.5	PASS

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



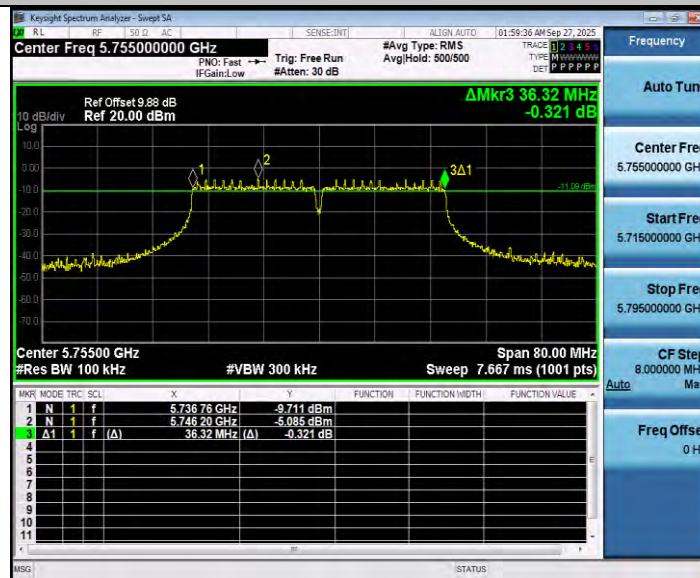
11N20SISO_Ant1_5785



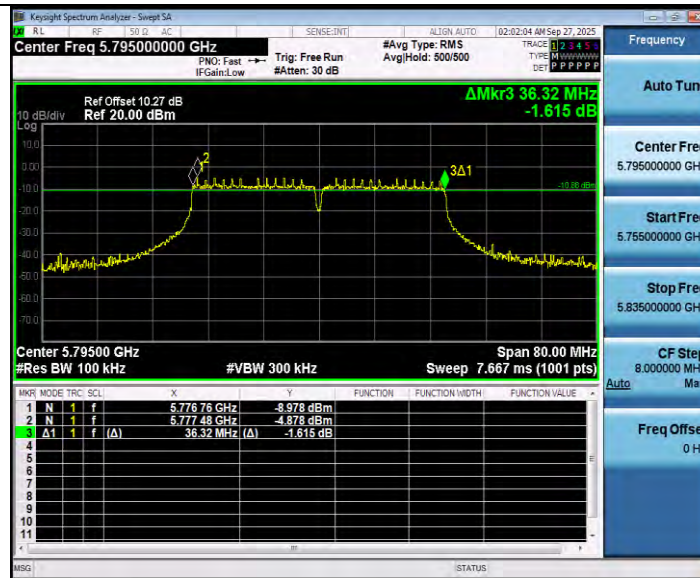
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



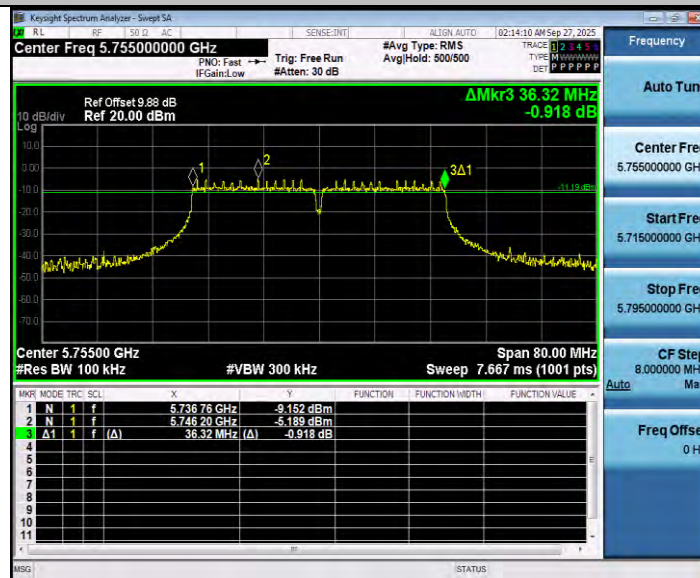
11AC20SISO_Ant1_5785



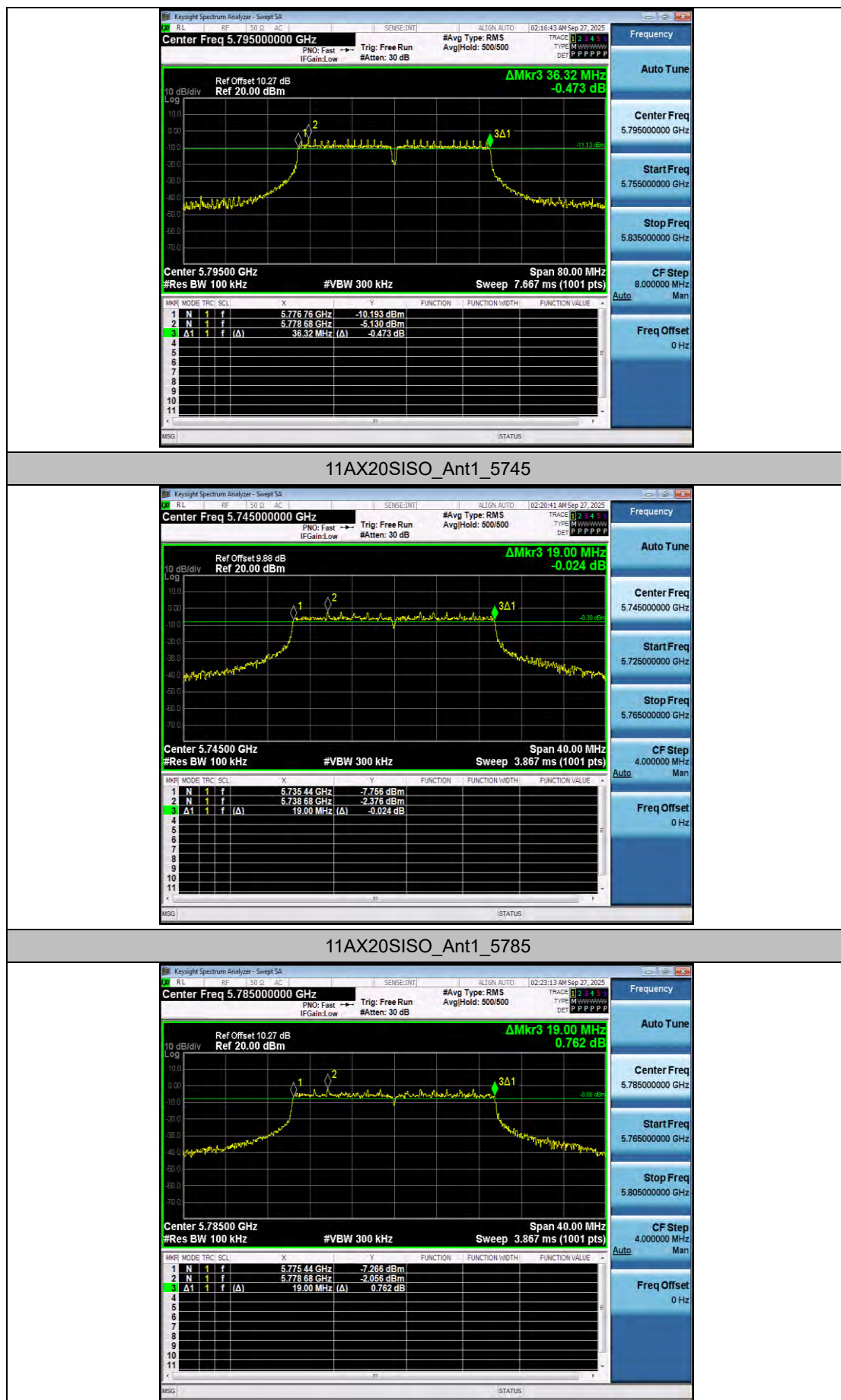
11AC20SISO_Ant1_5825

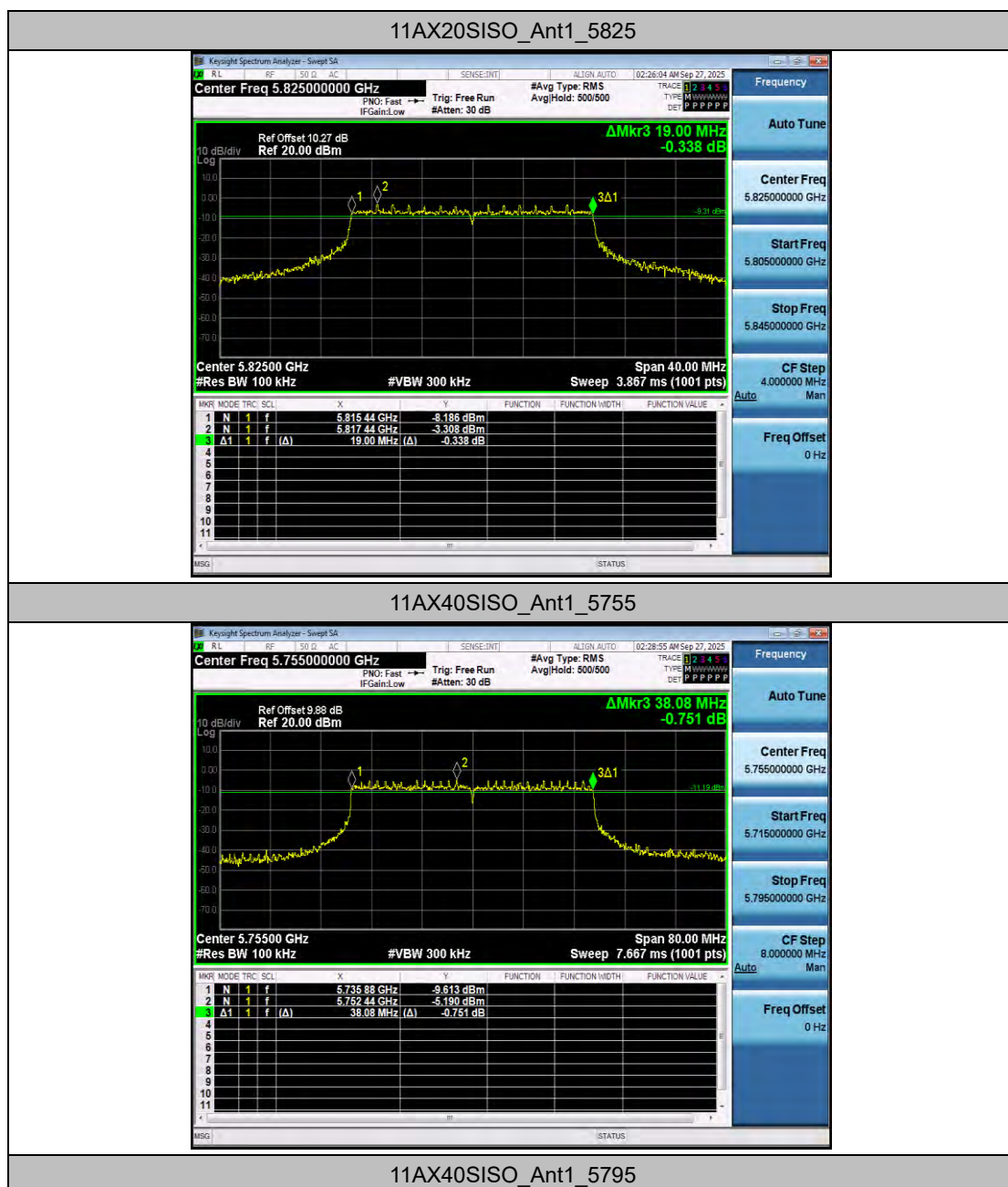


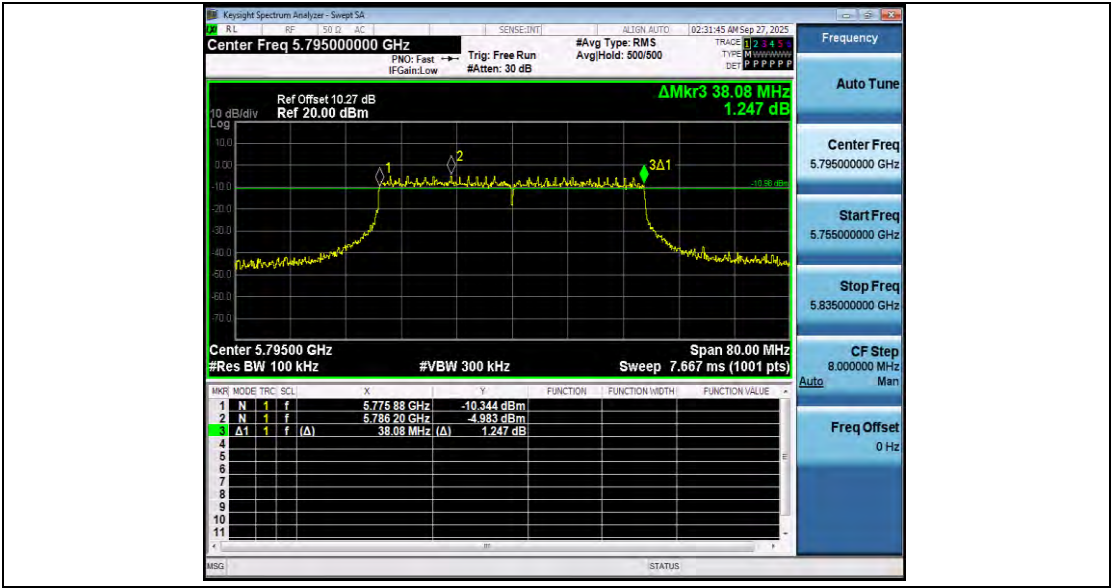
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795





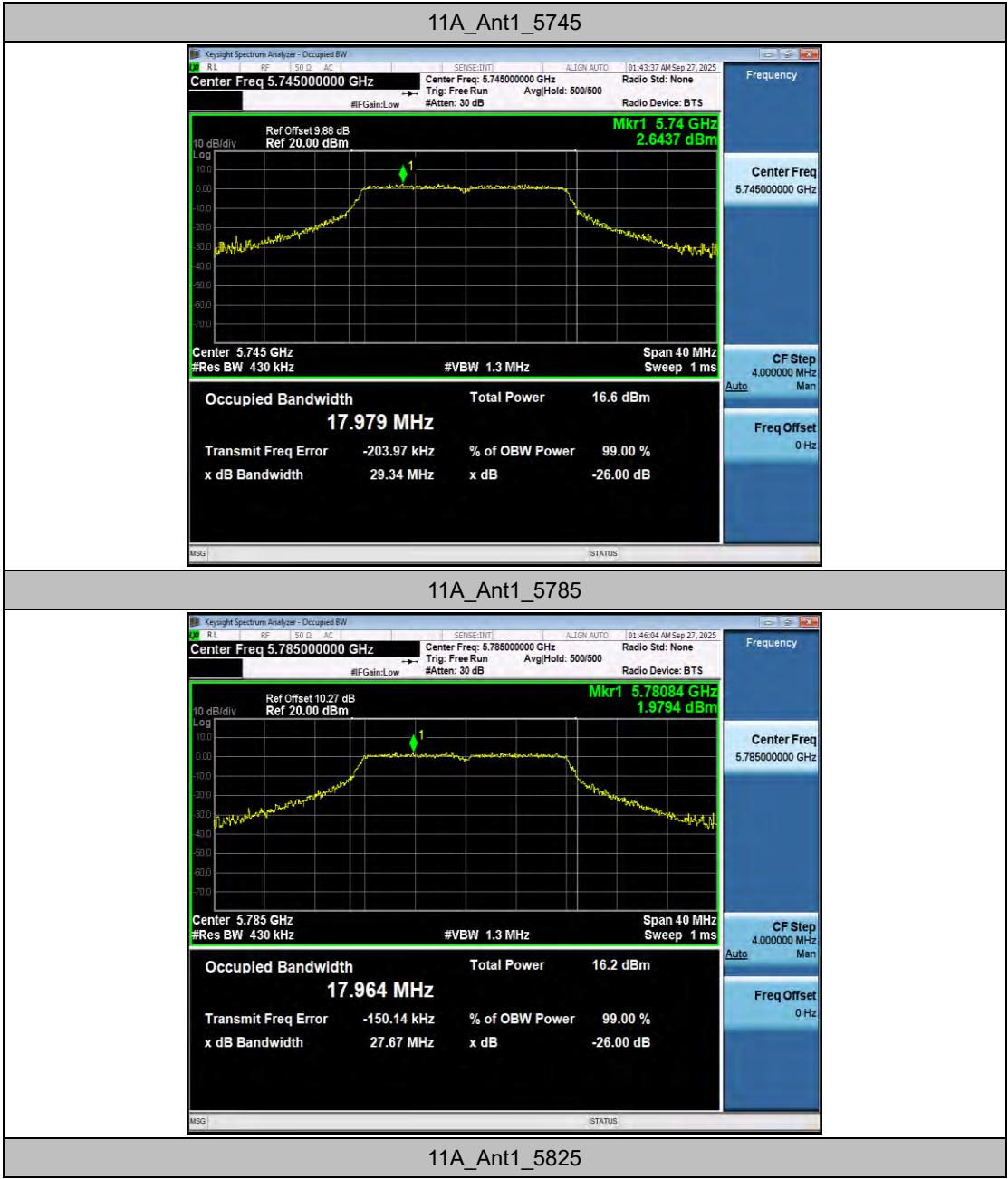


Appendix E.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.979	5735.8065	5753.7855	---	---
		5785	17.964	5775.8679	5793.8319	---	---
		5825	17.958	5815.8688	5833.8268	---	---
11N20SISO	Ant1	5745	19.101	5735.3538	5754.4548	---	---
		5785	19.066	5775.3665	5794.4325	---	---
		5825	19.099	5815.3159	5834.4149	---	---
11N40SISO	Ant1	5755	37.557	5736.1715	5773.7285	---	---
		5795	37.397	5776.1351	5813.5321	---	---
11AC20SISO	Ant1	5745	18.921	5735.4816	5754.4026	---	---
		5785	19.007	5775.4269	5794.4339	---	---
		5825	19.076	5815.3528	5834.4288	---	---
11AC40SISO	Ant1	5755	37.539	5736.1576	5773.6966	---	---
		5795	37.562	5776.1150	5813.6770	---	---
11AX20SISO	Ant1	5745	19.568	5735.1739	5754.7419	---	---
		5785	19.632	5775.1535	5794.7855	---	---
		5825	19.702	5815.1302	5834.8322	---	---
11AX40SISO	Ant1	5755	38.589	5735.6500	5774.2390	---	---
		5795	38.543	5775.6019	5814.1449	---	---

Test Graphs

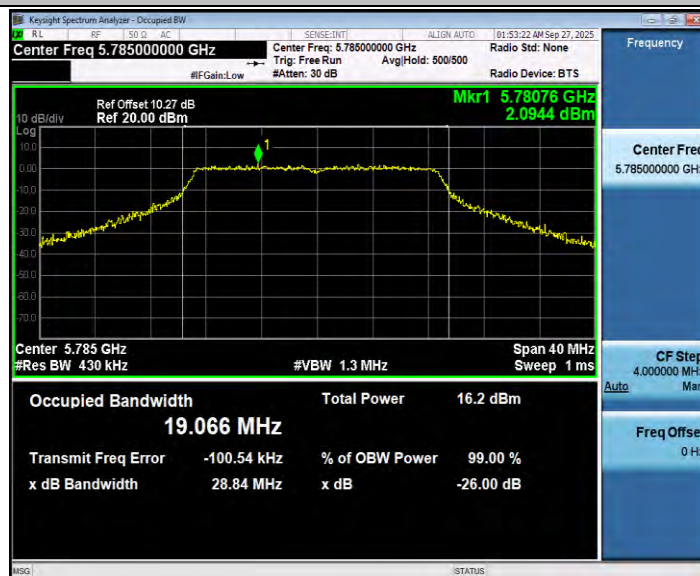


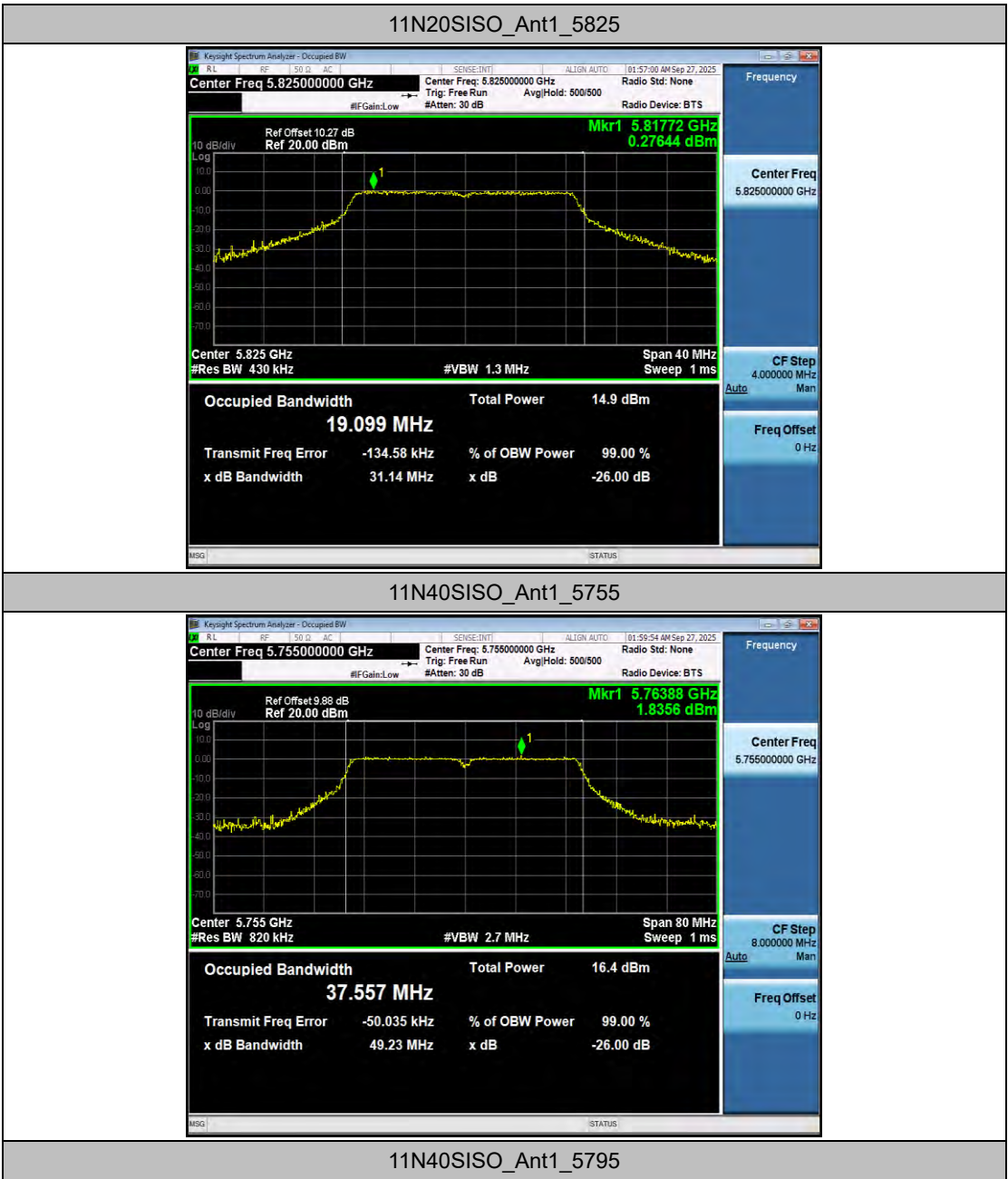


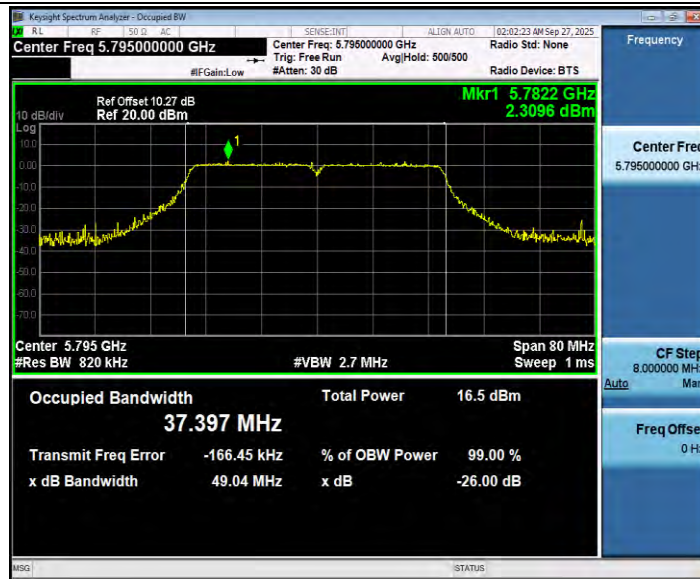
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



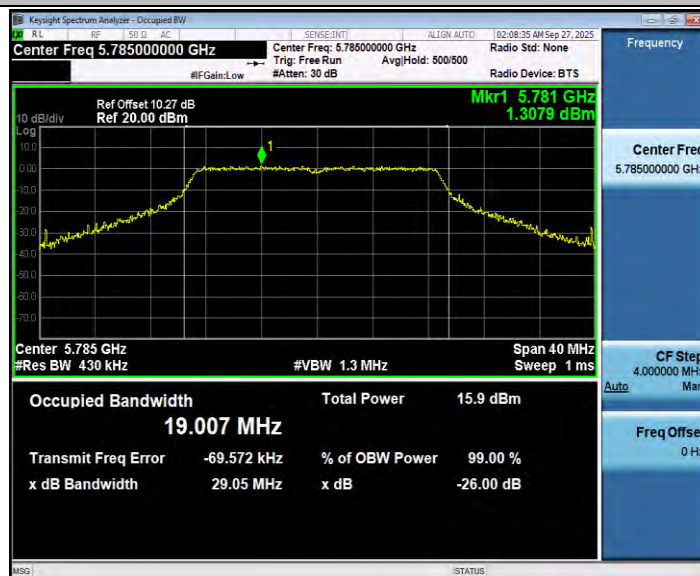




11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



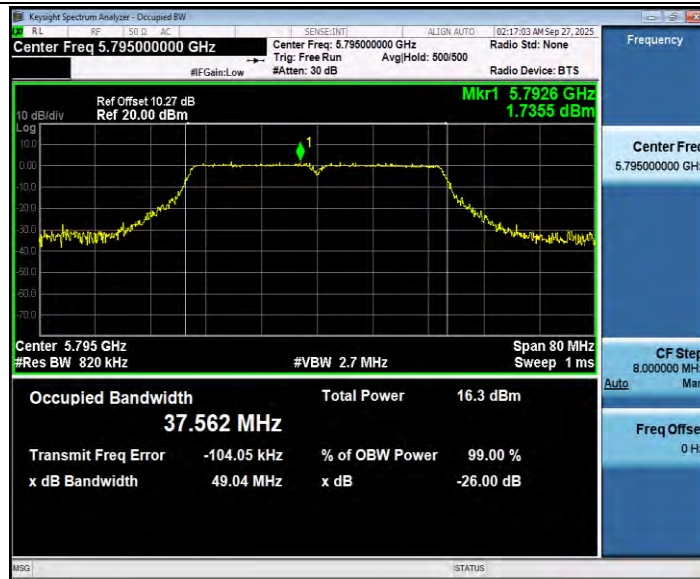
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



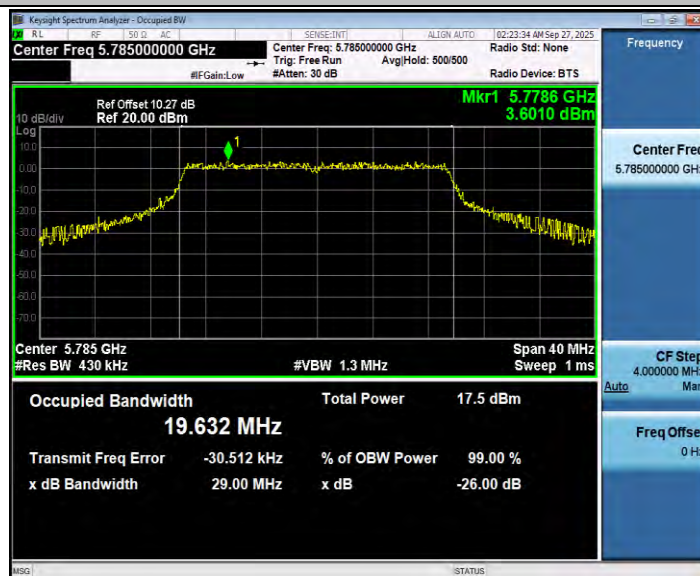
11AC40SISO_Ant1_5795



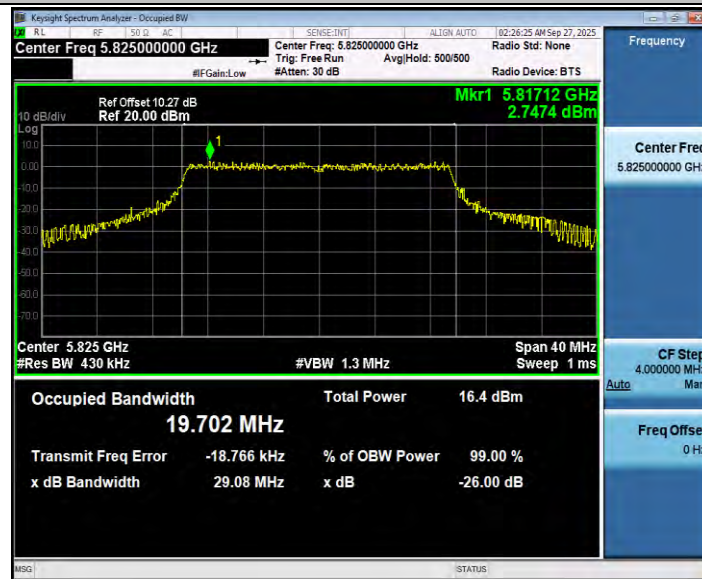
11AX20SISO_Ant1_5745



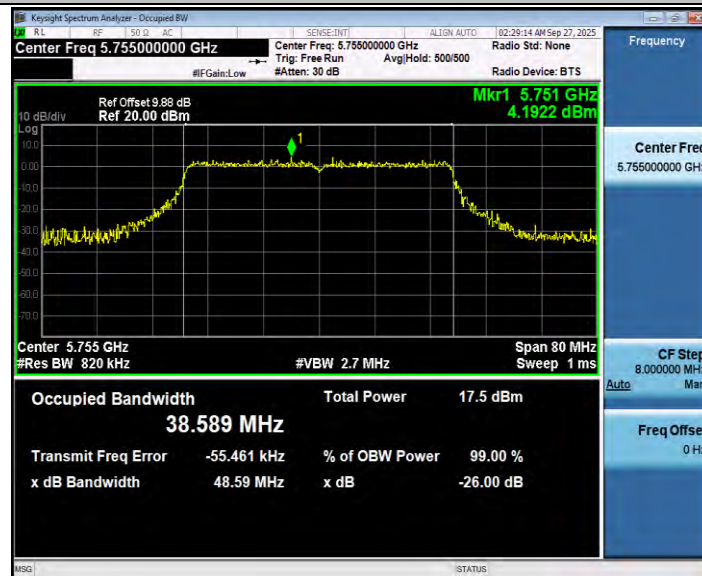
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

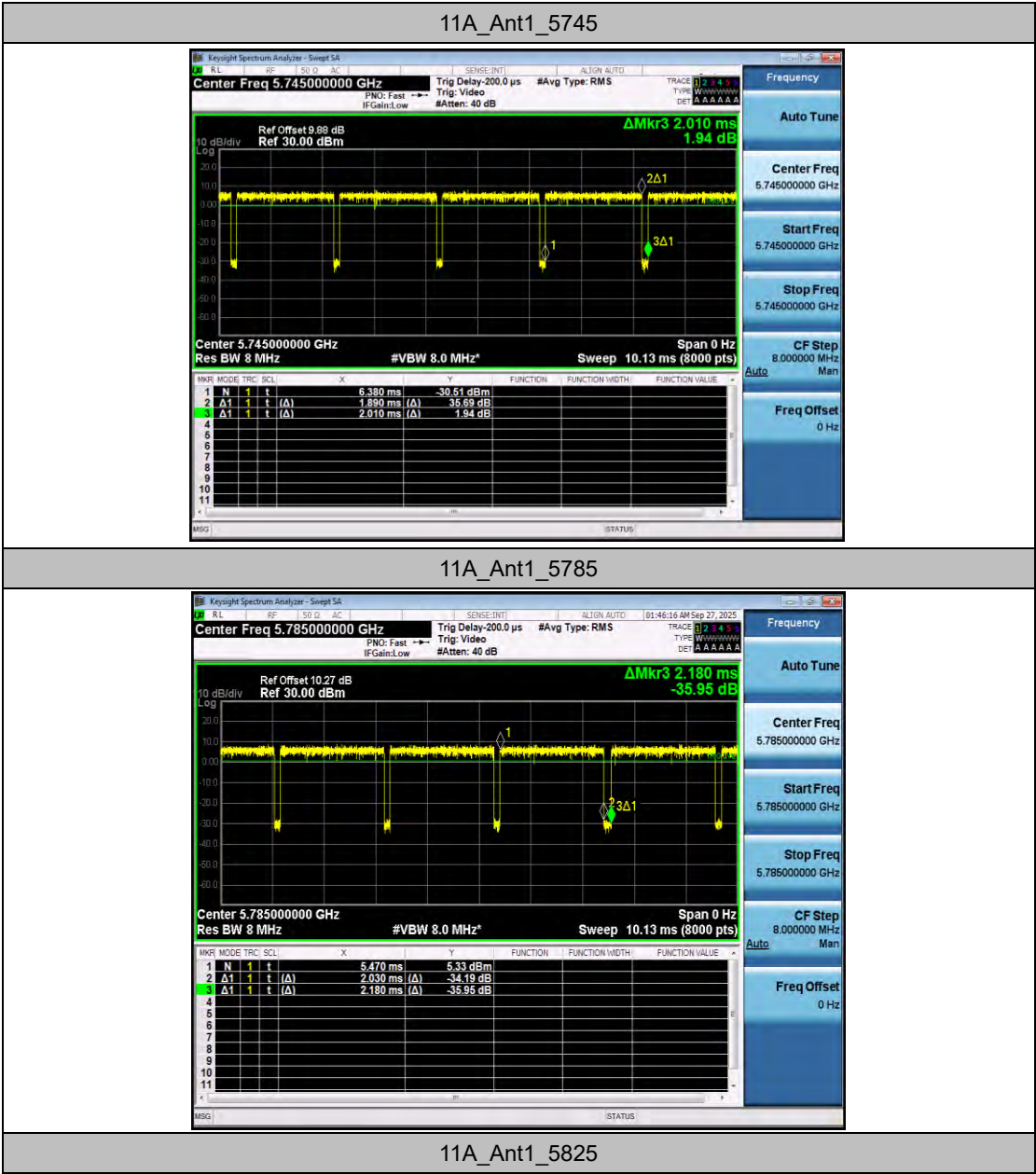


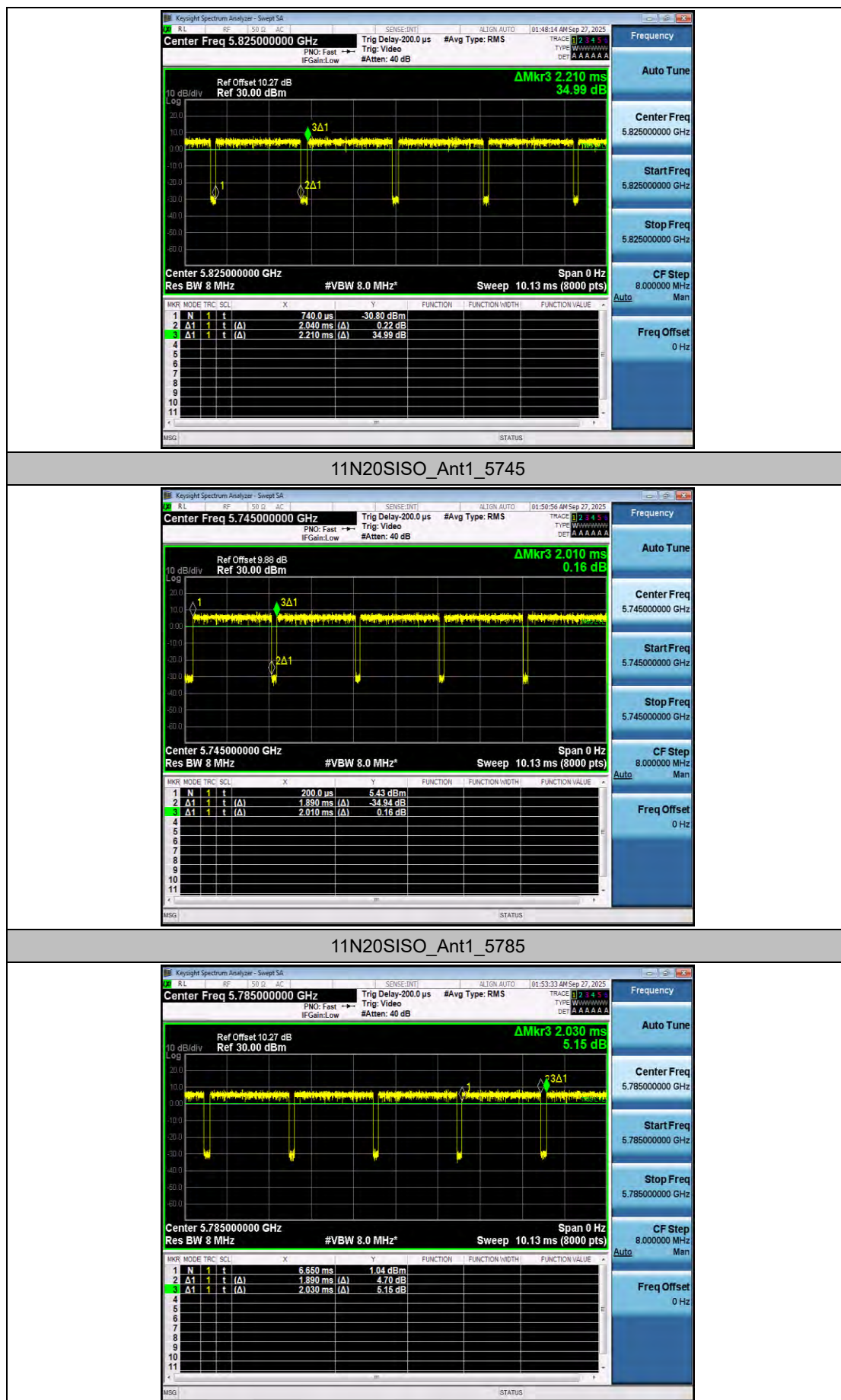
Appendix E.3: Duty Cycle

Test Result

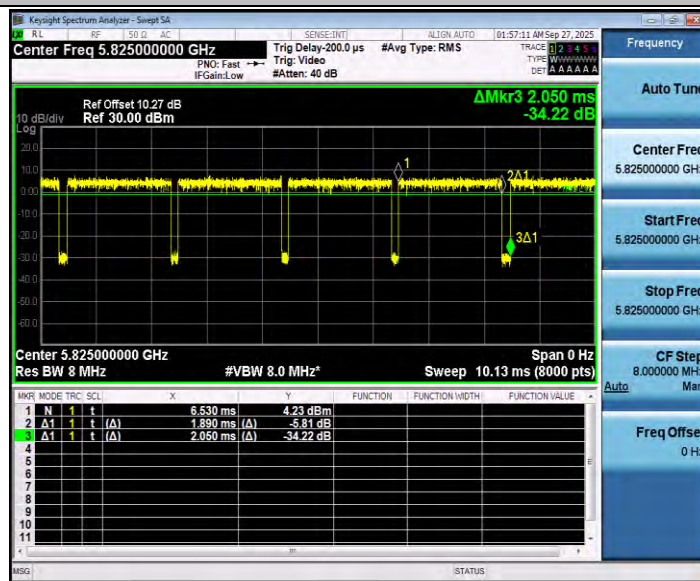
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	1.89	2.01	94.03	0.27	0.49
		5785	2.03	2.18	93.12	0.31	0.49
		5825	2.04	2.21	92.31	0.35	0.49
11N20SISO	Ant1	5745	1.89	2.01	94.03	0.27	0.53
		5785	1.89	2.03	93.10	0.31	0.53
		5825	1.89	2.05	92.20	0.35	0.53
11N40SISO	Ant1	5755	0.93	1.10	84.55	0.73	1.08
		5795	0.94	1.16	81.03	0.91	1.06
11AC20SISO	Ant1	5745	1.90	2.09	90.91	0.41	0.53
		5785	1.90	2.09	90.91	0.41	0.53
		5825	1.90	2.08	91.35	0.39	0.53
11AC40SISO	Ant1	5755	0.93	1.05	88.57	0.53	1.08
		5795	0.93	1.08	86.11	0.65	1.08
11AX20SISO	Ant1	5745	1.46	1.69	86.39	0.64	0.68
		5785	1.46	1.63	89.57	0.48	0.68
		5825	1.46	1.63	89.57	0.48	0.68
11AX40SISO	Ant1	5755	0.77	1.00	77.00	1.14	1.30
		5795	0.76	1.24	61.29	2.13	1.32

Test Graphs

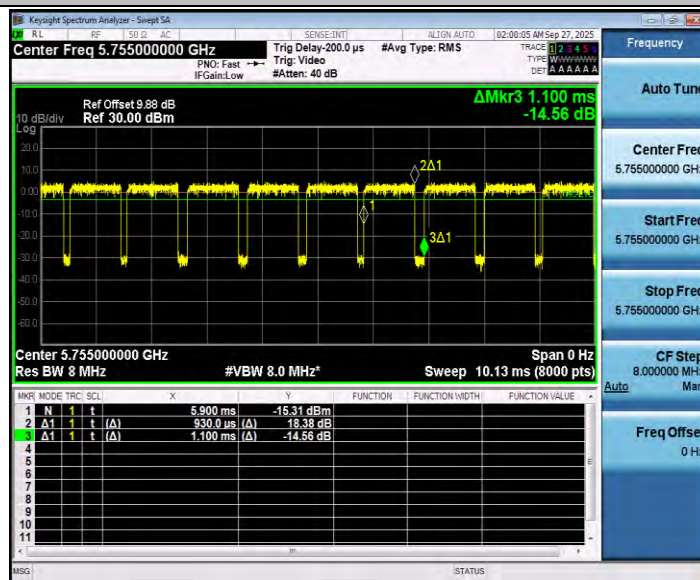




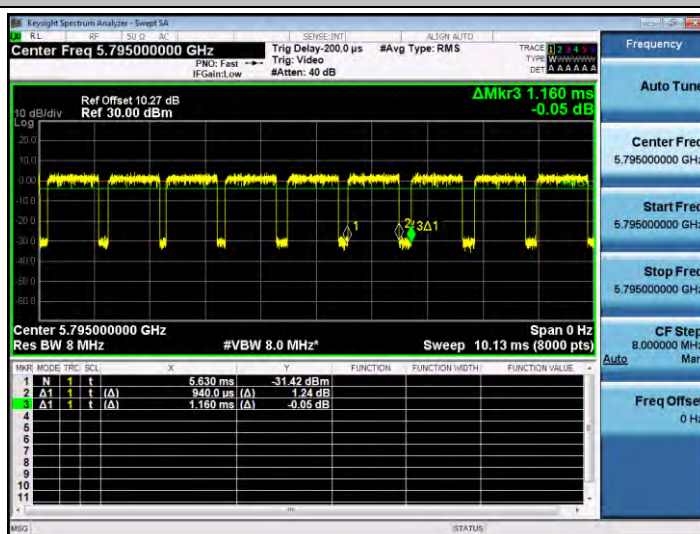
11N20SISO_Ant1_5825

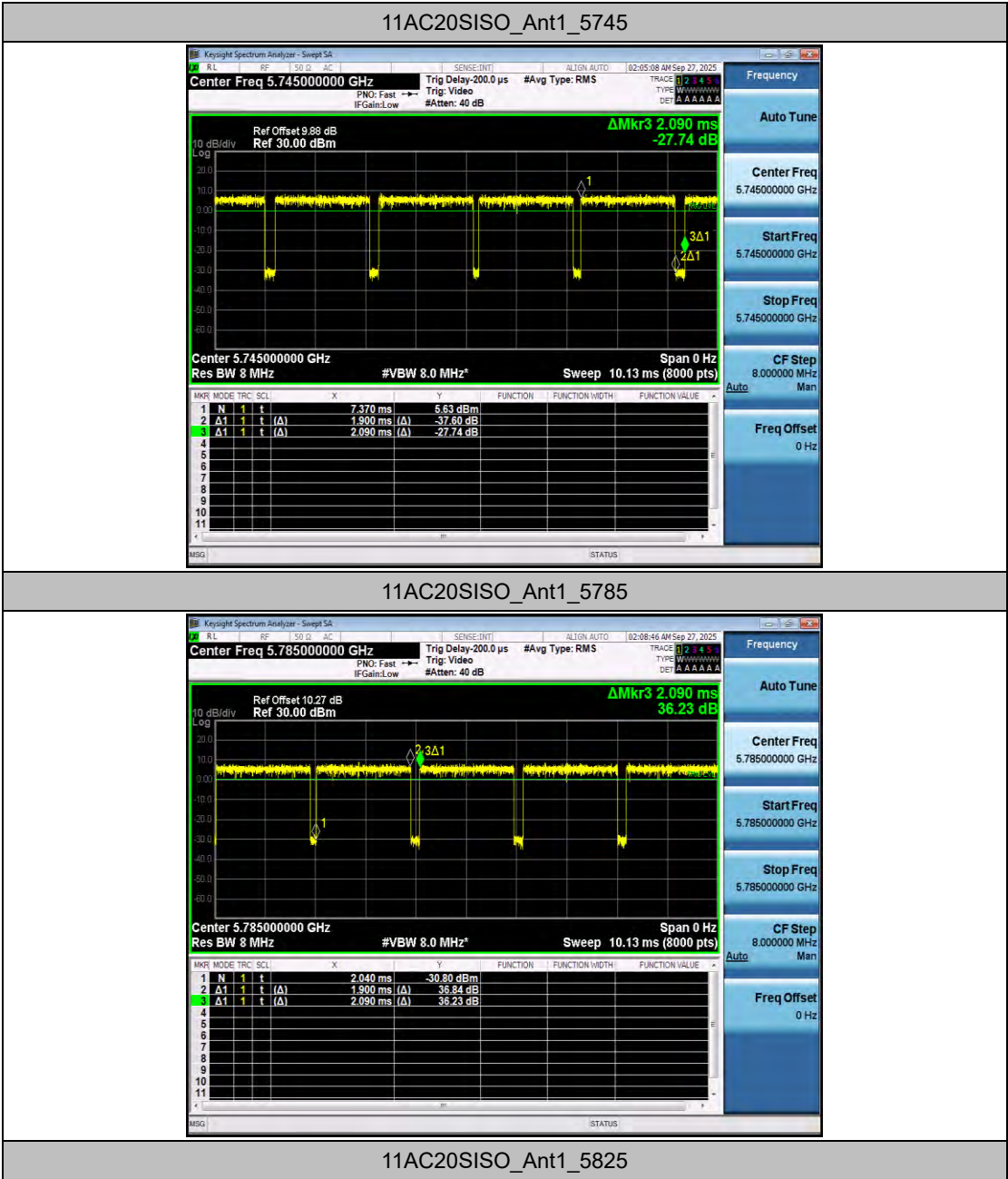


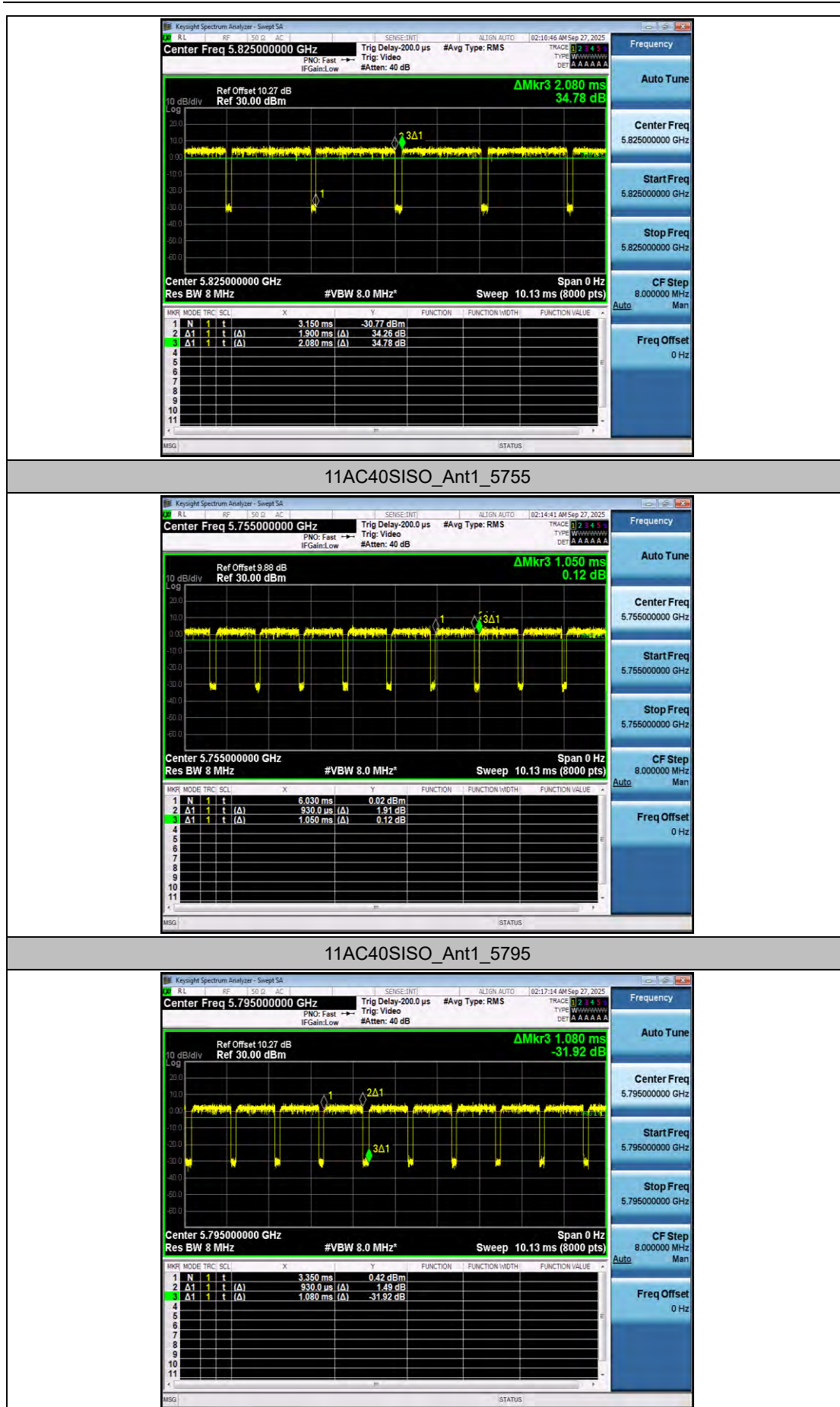
11N40SISO_Ant1_5755



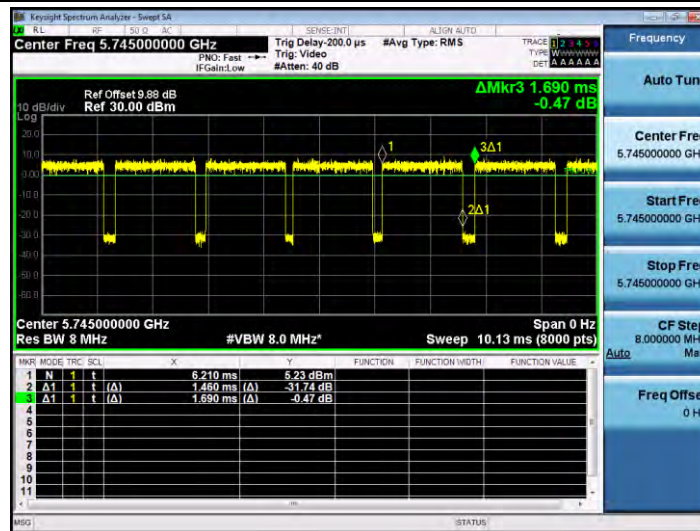
11N40SISO_Ant1_5795



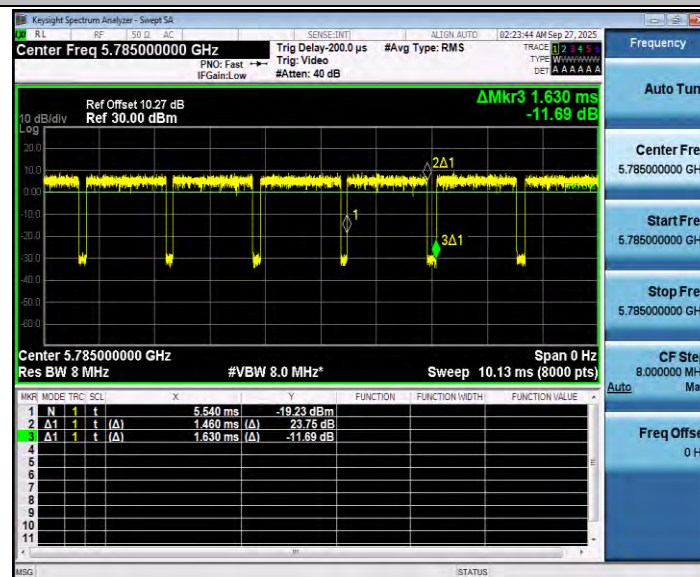




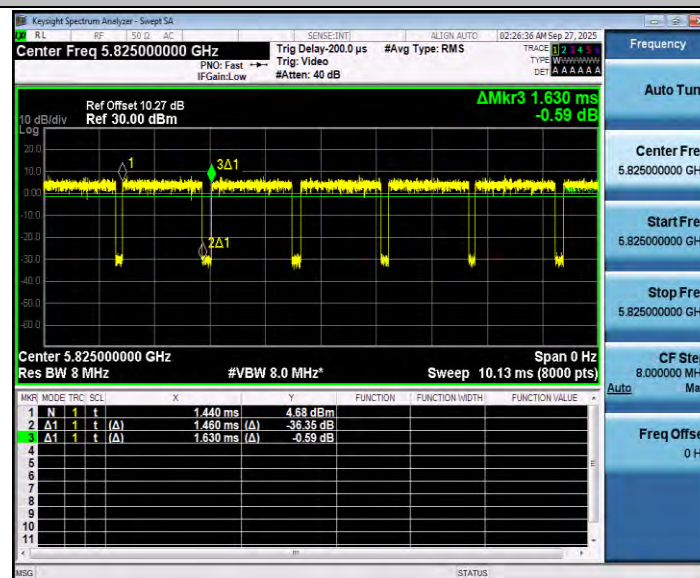
11AX20SISO_Ant1_5745



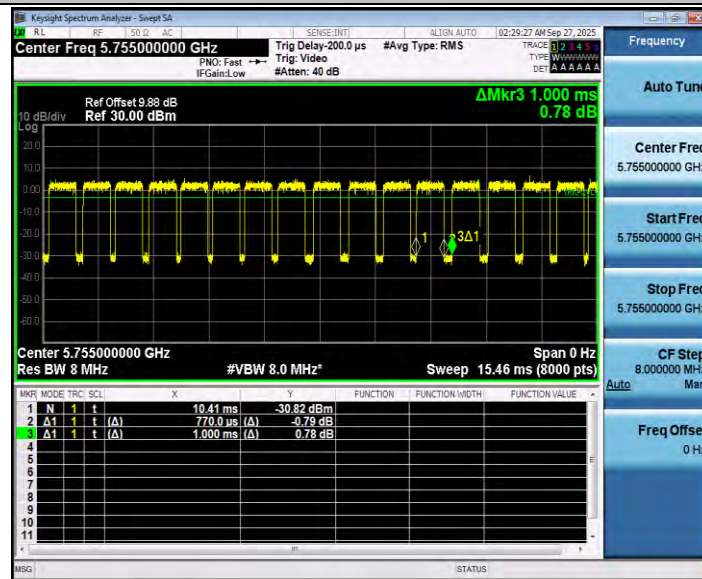
11AX20SISO_Ant1_5785



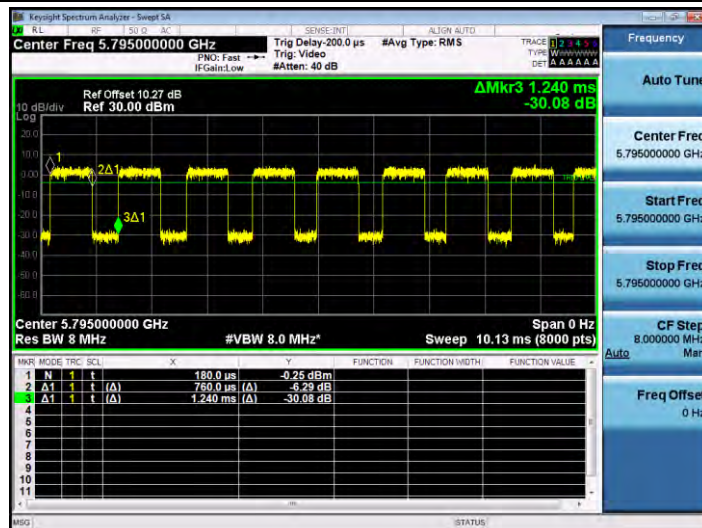
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



Appendix E.4: Maximum conducted output power

Test Mode	Antenna	Freq(MHz)	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	---	8.23	55.46	2.56	10.79	≤30.00	PASS
		5785	---	8.94	93.12	0.31	9.25	≤30.00	PASS
		5825	---	7.83	92.31	0.35	8.18	≤30.00	PASS
11N20SI SO	Ant1	5745	---	8.53	94.03	0.27	8.80	≤30.00	PASS
		5785	---	8.67	93.10	0.31	8.98	≤30.00	PASS
		5825	---	7.82	92.20	0.35	8.17	≤30.00	PASS
11N40SI SO	Ant1	5755	---	7.89	84.55	0.73	8.62	≤30.00	PASS
		5795	---	7.70	75.61	1.21	8.91	≤30.00	PASS
11AC20S ISO	Ant1	5745	---	8.35	90.91	0.41	8.76	≤30.00	PASS
		5785	---	8.33	90.91	0.41	8.74	≤30.00	PASS
		5825	---	7.67	91.35	0.39	8.06	≤30.00	PASS
11AC40S ISO	Ant1	5755	---	7.55	88.57	0.53	8.08	≤30.00	PASS
		5795	---	7.69	86.11	0.65	8.34	≤30.00	PASS
11AX20S ISO	Ant1	5745	---	7.37	81.11	0.91	8.28	≤30.00	PASS
		5785	---	5.86	89.57	0.48	6.34	≤30.00	PASS
		5825	---	7.64	89.57	0.48	8.12	≤30.00	PASS
11AX40S ISO	Ant1	5755	---	6.92	77.00	1.14	8.06	≤30.00	PASS
		5795	---	7.73	60.32	2.20	9.93	≤30.00	PASS

Appendix E.5: Maximum power spectral density

Test Result

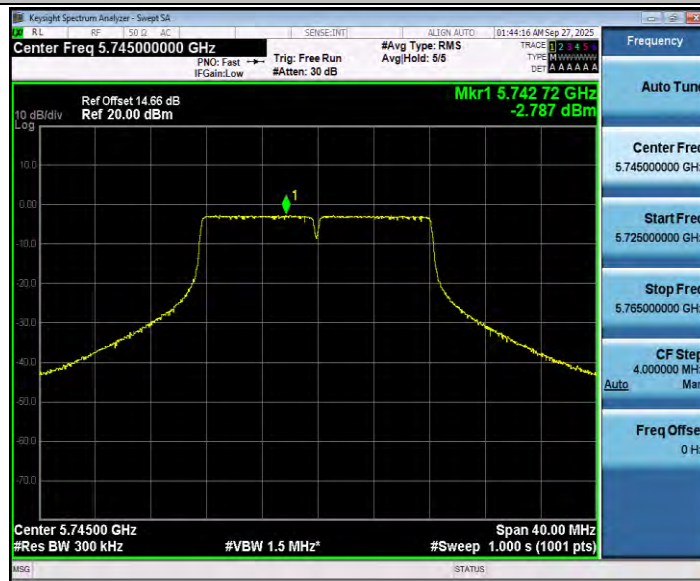
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.79	≤30.00	PASS
		5785	-5.19	≤30.00	PASS
		5825	-6.18	≤30.00	PASS
11N20SISO	Ant1	5745	-5.41	≤30.00	PASS
		5785	-5.33	≤30.00	PASS
		5825	-6.45	≤30.00	PASS
11N40SISO	Ant1	5755	-8.48	≤30.00	PASS
		5795	-7.69	≤30.00	PASS
11AC20SISO	Ant1	5745	-5.31	≤30.00	PASS
		5785	-5.36	≤30.00	PASS
		5825	-6.55	≤30.00	PASS
11AC40SISO	Ant1	5755	-8.62	≤30.00	PASS
		5795	-8.40	≤30.00	PASS
11AX20SISO	Ant1	5745	-5.24	≤30.00	PASS
		5785	-5.63	≤30.00	PASS
		5825	-6.84	≤30.00	PASS
11AX40SISO	Ant1	5755	-8.34	≤30.00	PASS
		5795	-7.21	≤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



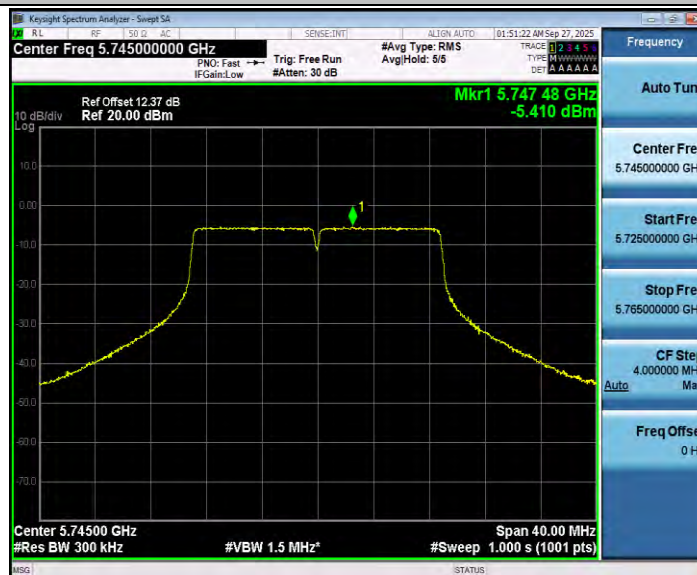
11A_Ant1_5785



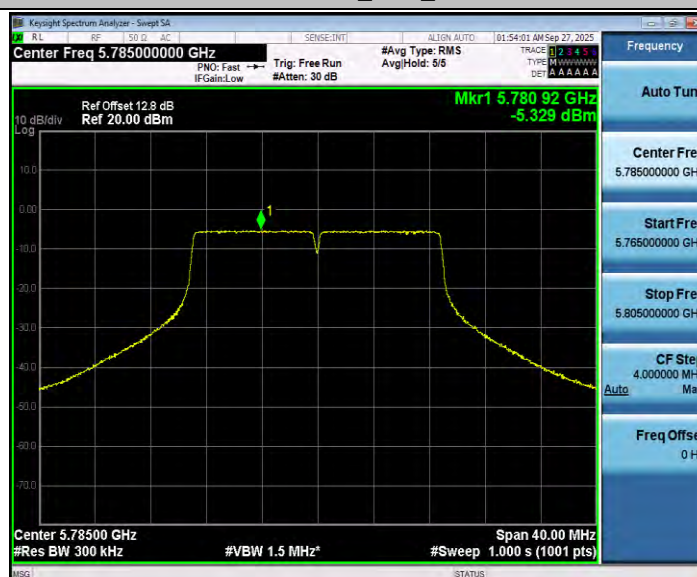
11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



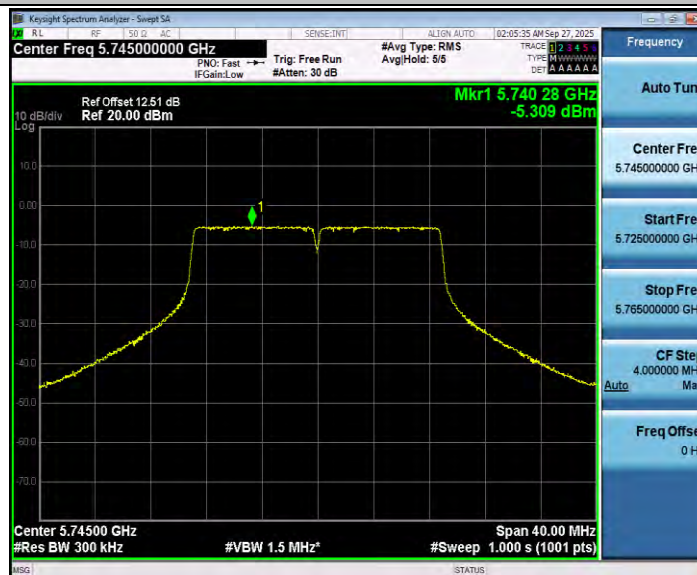
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20ISO_Ant1_5745



11AX20ISO_Ant1_5785



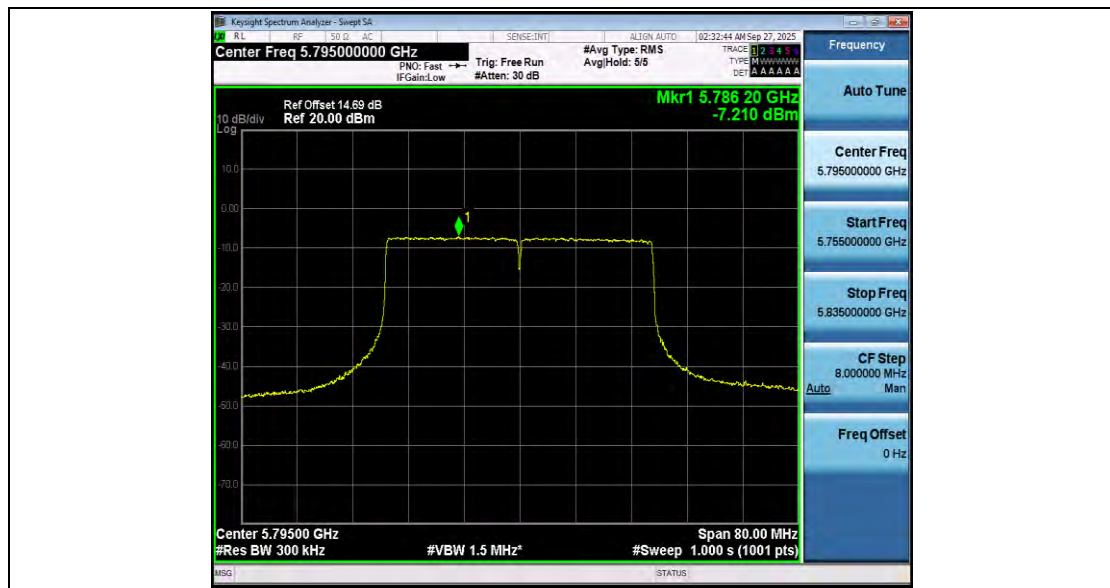
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



Appendix E.6: Band edge measurements

Test Result B1/2/3

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
TestMode	Antenna	ChName	Channel	Result	Limit	Verdict

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-40.06	≤-26.87	PASS
				5700~5720	-28.09	≤15.47	PASS
				5720~5725	-23.44	≤19.23	PASS
				5760~5650	-39.75	≤-27	PASS
		High	5825	5850~5855	-35.01	≤15.73	PASS
				5855~5875	-35.87	≤10.63	PASS
				5875~5925	-39.34	≤-26.91	PASS
				5925~5935	-38.38	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.5	≤-25.93	PASS
				5700~5720	-24.8	≤15.40	PASS
				5720~5725	-29.7	≤15.82	PASS
				5760~5650	-39.81	≤-27	PASS
		High	5825	5850~5855	-33.33	≤16.65	PASS
				5855~5875	-32.18	≤14.94	PASS
				5875~5925	-38.52	≤-26.71	PASS
				5925~5935	-38.28	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-38.4	≤-25.71	PASS
				5700~5720	-31.76	≤11.65	PASS
				5720~5725	-30.2	≤17.58	PASS
				5780~5650	-40.33	≤-27	PASS
		High	5795	5850~5855	-36.43	≤16.41	PASS
				5855~5875	-37.61	≤11.13	PASS
				5875~5925	-39.2	≤-26.95	PASS
				5925~5935	-38.22	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-40.73	≤-26.96	PASS
				5700~5720	-30.62	≤13.02	PASS
				5720~5725	-29.29	≤16.34	PASS
				5760~5650	-39.07	≤-27	PASS
		High	5825	5850~5855	-30.69	≤17.26	PASS
				5855~5875	-31.5	≤14.90	PASS
				5875~5925	-39.22	≤-26.71	PASS
				5925~5935	-37.88	≤-27	PASS

11AC40S ISO	Ant1	Low	5755	5650~5700	-40.16	≤ -26.80	PASS
				5700~5720	-27.07	≤ 14.10	PASS
				5720~5725	-29.64	≤ 16.66	PASS
				5780~5650	-39.61	≤ -27	PASS
		High	5795	5850~5855	-36.46	≤ 15.66	PASS
				5855~5875	-38.39	≤ 11.22	PASS
				5875~5925	-40.45	≤ -26.95	PASS
				5925~5935	-39.14	≤ -27	PASS
11AX20S ISO	Ant1	Low	5745	5650~5700	-39.86	≤ -26.27	PASS
				5700~5720	-26.33	≤ 14.95	PASS
				5720~5725	-28.52	≤ 16.08	PASS
				5760~5650	-38.69	≤ -27	PASS
		High	5825	5850~5855	-28.16	≤ 19.42	PASS
				5855~5875	-28.76	≤ 14.94	PASS
				5875~5925	-38.31	≤ -26.11	PASS
				5925~5935	-38.35	≤ -27	PASS
11AX40S ISO	Ant1	Low	5755	5650~5700	-40.64	≤ -26.60	PASS
				5700~5720	-33.66	≤ 10.02	PASS
				5720~5725	-31.23	≤ 16.66	PASS
				5780~5650	-39.51	≤ -27	PASS
		High	5795	5850~5855	-34.63	≤ 17.16	PASS
				5855~5875	-36.12	≤ 13.02	PASS
				5875~5925	-38.8	≤ -26.59	PASS
				5925~5935	-38.41	≤ -27	PASS

Test Graphs B4

