

Case No. : <u>GTS20241125007-1-03</u>
Ambient Condition: <u>23</u> °C, <u>48</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.11.14-2025.11.24</u> Test Engineer: <u>Evan ouyang</u>

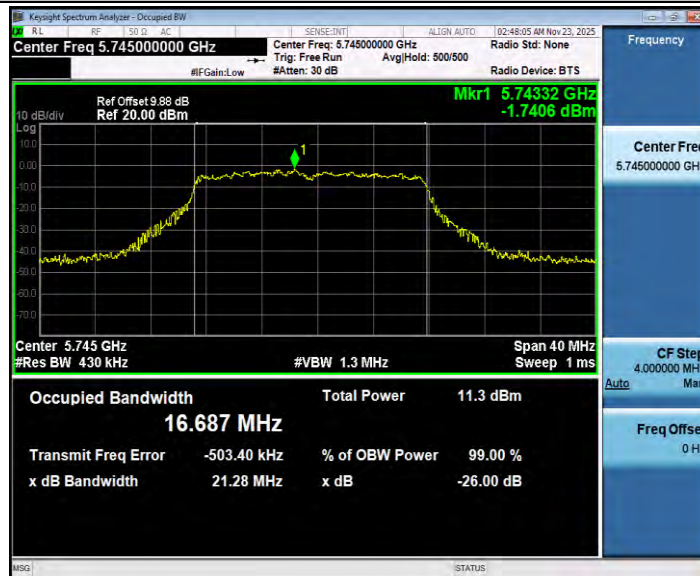
AppendixD.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.687	5736.1531	5752.8401	---	---
		5785	16.667	5776.1667	5792.8337	---	---
		5825	16.616	5816.1783	5832.7943	---	---
11N20SISO	Ant1	5745	17.922	5735.5863	5753.5083	---	---
		5785	17.840	5775.5798	5793.4198	---	---
		5825	17.893	5815.5577	5833.4507	---	---
11N40SISO	Ant1	5755	35.912	5736.6443	5772.5563	---	---
		5795	35.996	5776.6049	5812.6009	---	---
11AC20SISO	Ant1	5745	18.067	5735.6408	5753.7078	---	---
		5785	18.170	5775.6276	5793.7976	---	---
		5825	17.988	5815.6684	5833.6564	---	---
11AC40SISO	Ant1	5755	35.971	5736.5823	5772.5533	---	---
		5795	35.984	5776.6326	5812.6166	---	---

Test Graphs

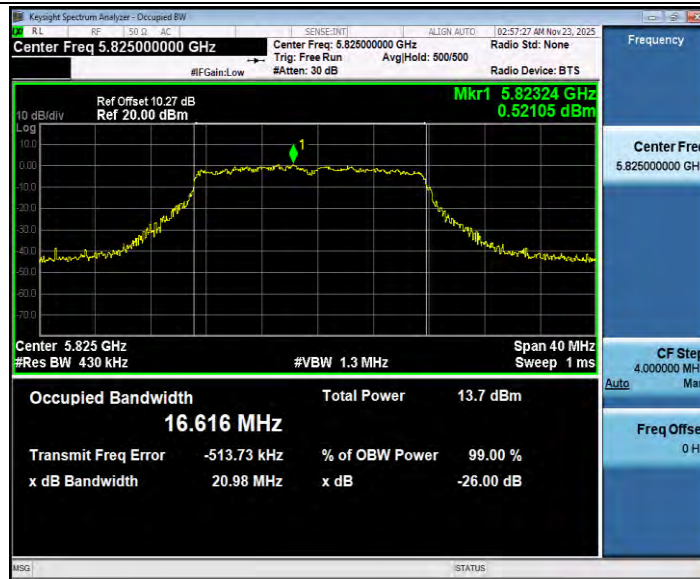
11A_Ant1_5745



11A_Ant1_5785



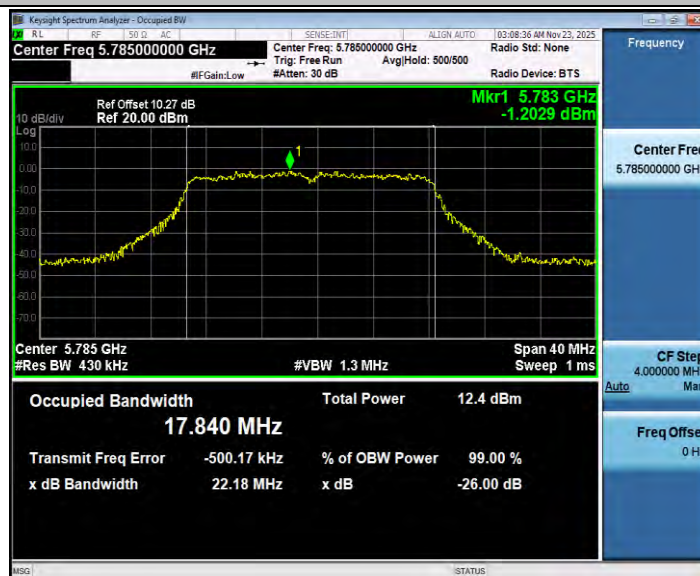
11A_Ant1_5825



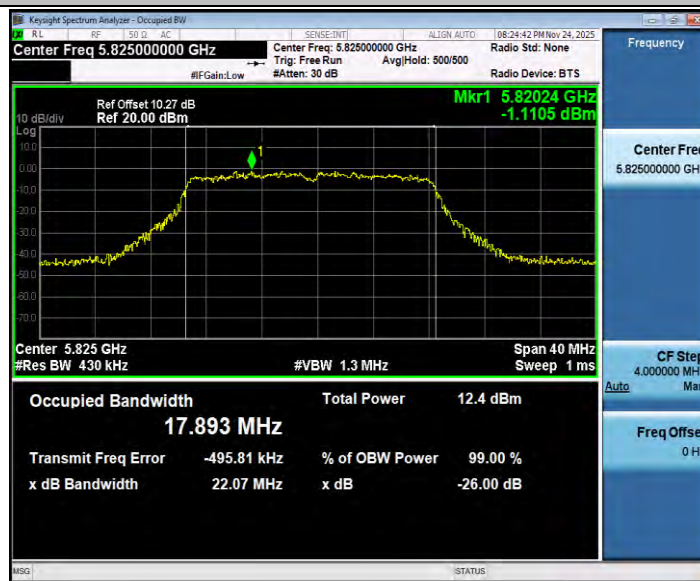
11N20SISO_Ant1_5745



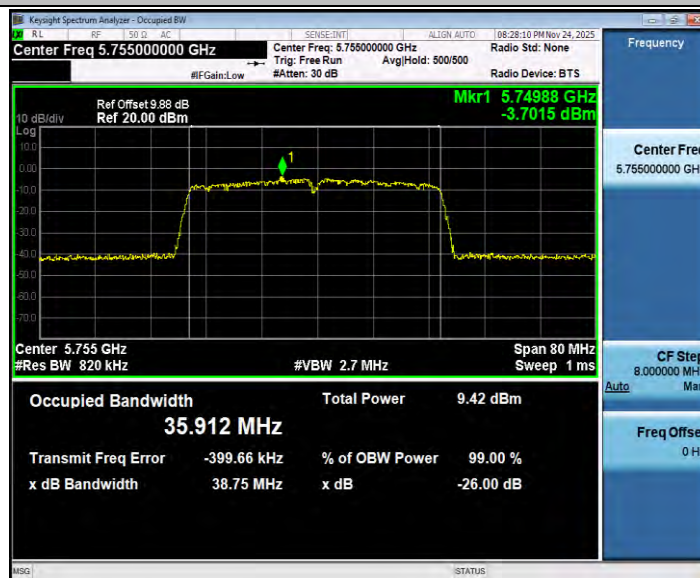
11N20SISO_Ant1_5785



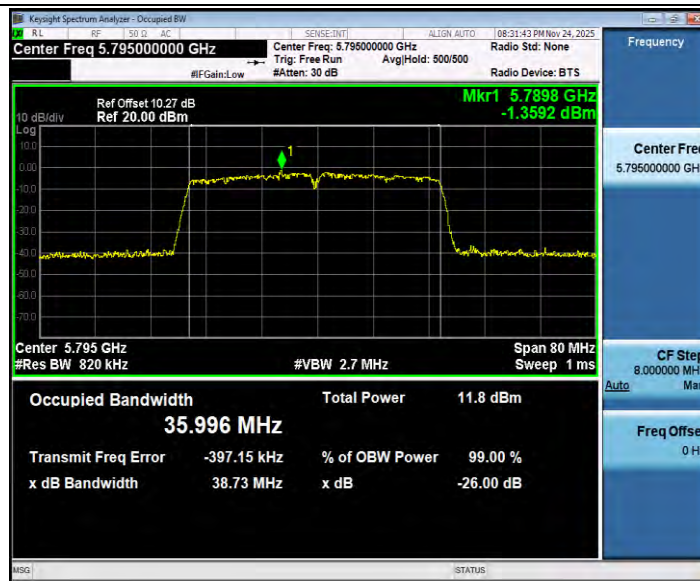
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



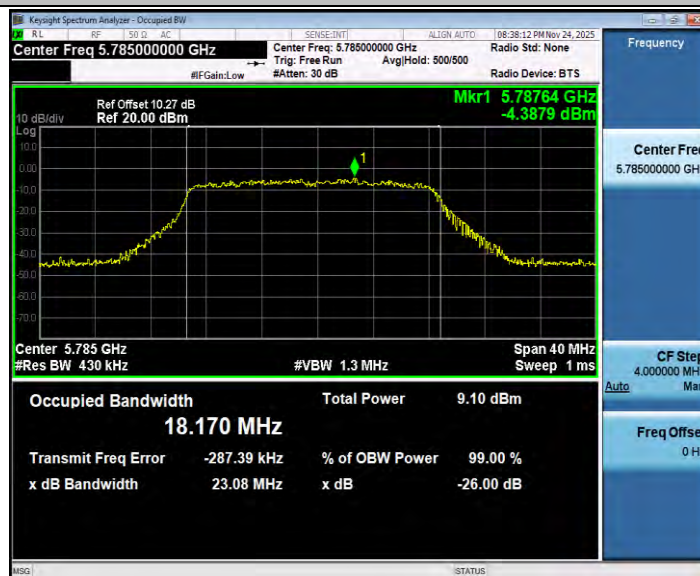
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



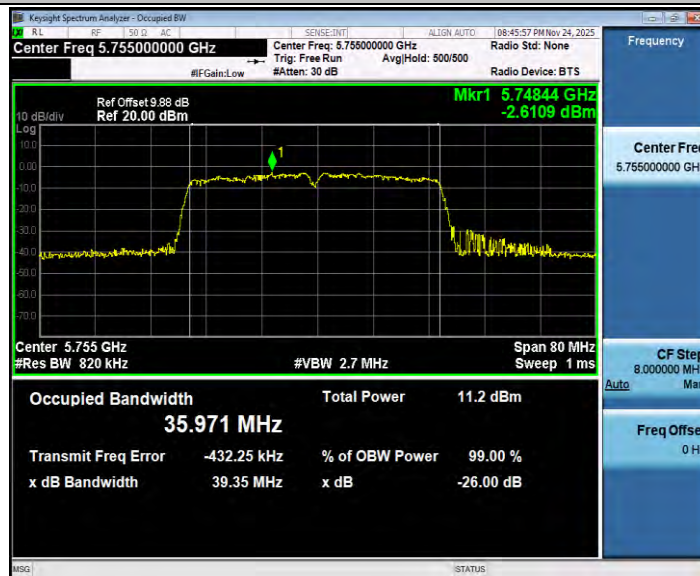
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



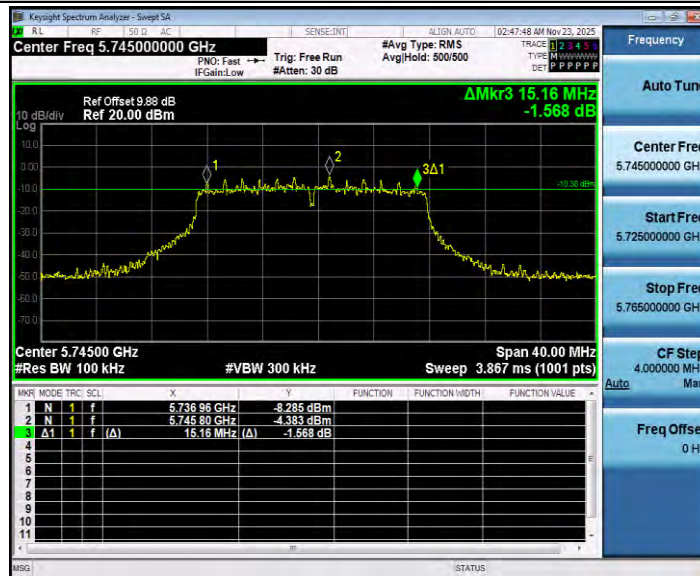
AppendixD.2: Min emission bandwidth

Test Result B4

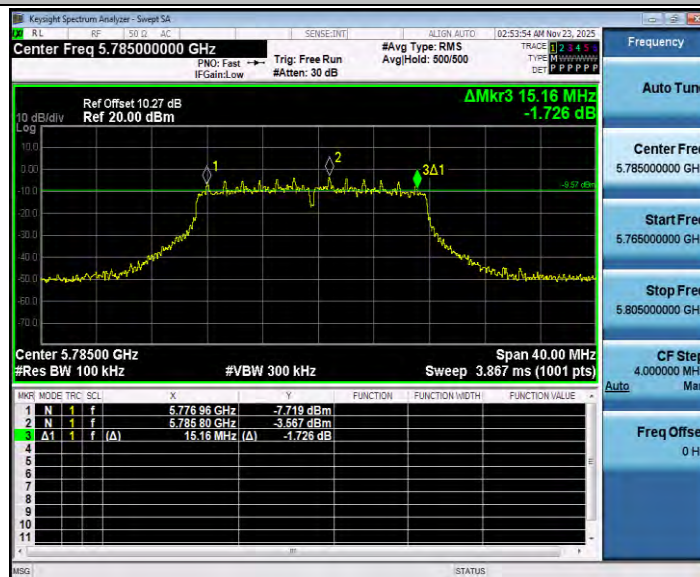
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.160	5736.960	5752.120	0.5	PASS
		5785	15.160	5776.960	5792.120	0.5	PASS
		5825	15.120	5816.960	5832.080	0.5	PASS
11N20SISO	Ant1	5745	16.120	5736.000	5752.120	0.5	PASS
		5785	16.120	5776.000	5792.120	0.5	PASS
		5825	16.040	5816.040	5832.080	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.000	5772.120	0.5	PASS
		5795	35.120	5777.000	5812.120	0.5	PASS
11AC20SISO	Ant1	5745	15.120	5736.960	5752.080	0.5	PASS
		5785	15.120	5776.960	5792.080	0.5	PASS
		5825	15.120	5816.960	5832.080	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.000	5772.120	0.5	PASS
		5795	35.120	5777.000	5812.120	0.5	PASS

Test Graphs B4

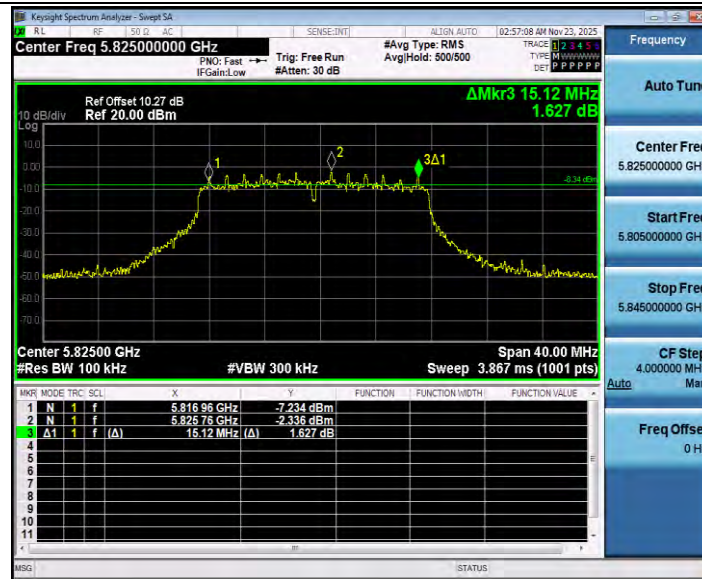
11A_Ant1_5745



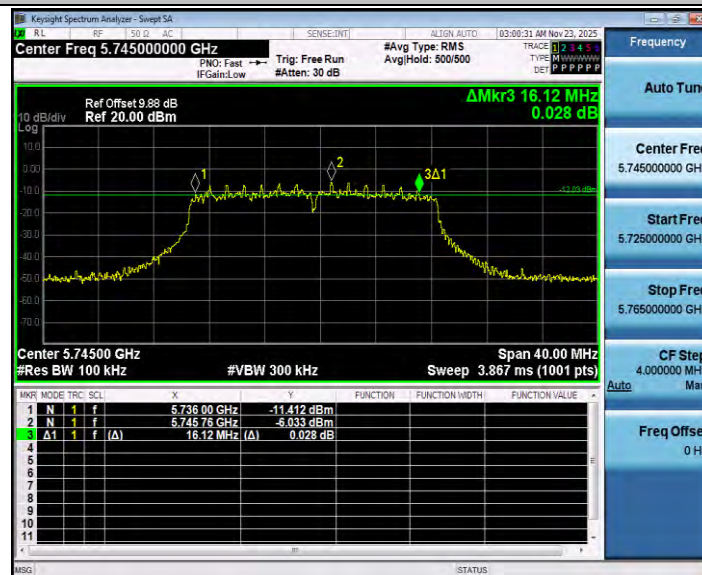
11A_Ant1_5785



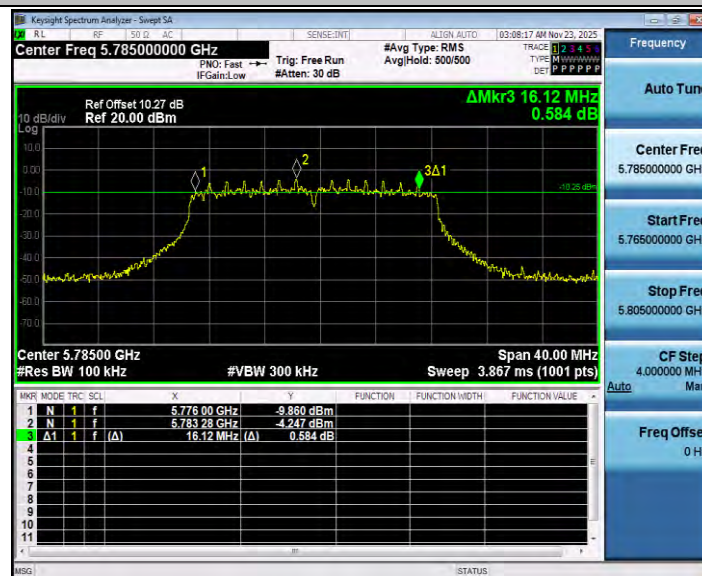
11A_Ant1_5825



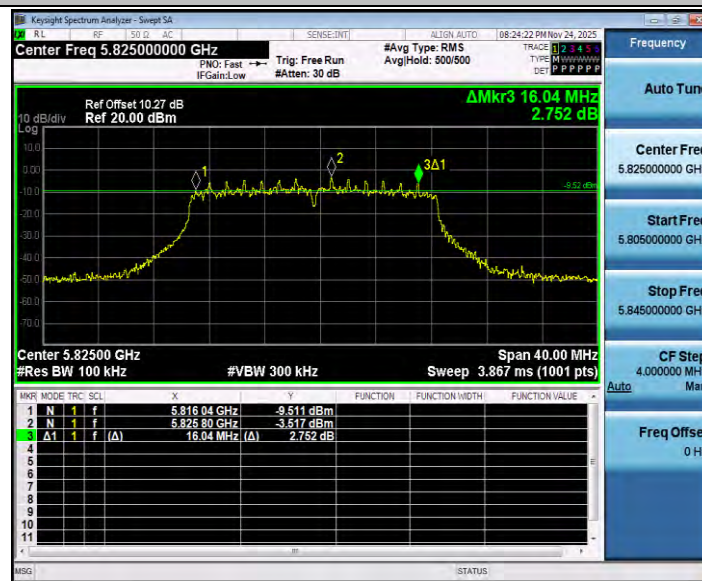
11N20SISO_Ant1_5745



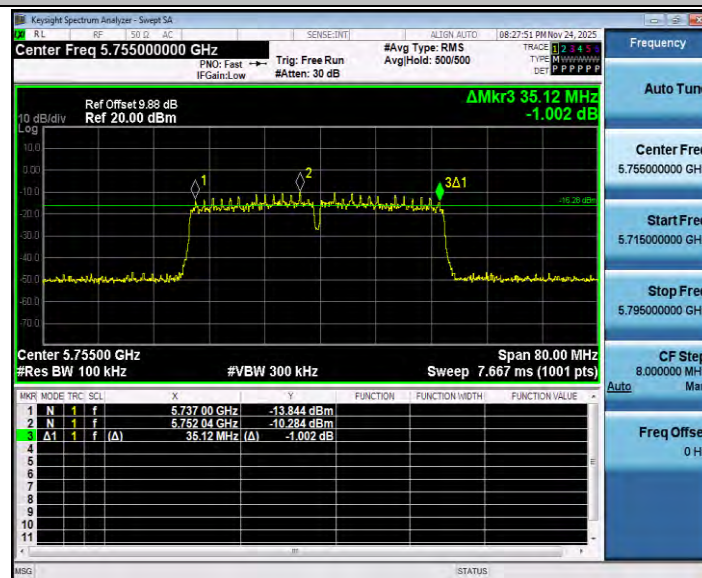
11N20SISO_Ant1_5785



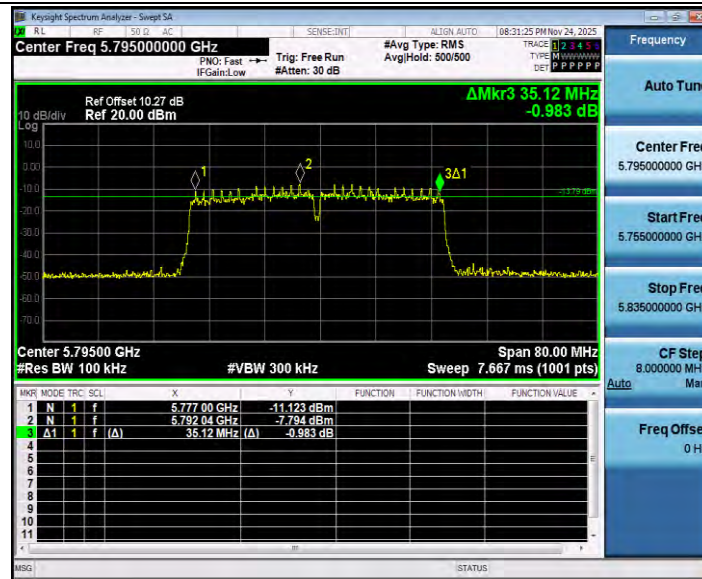
11N20SISO_Ant1_5825



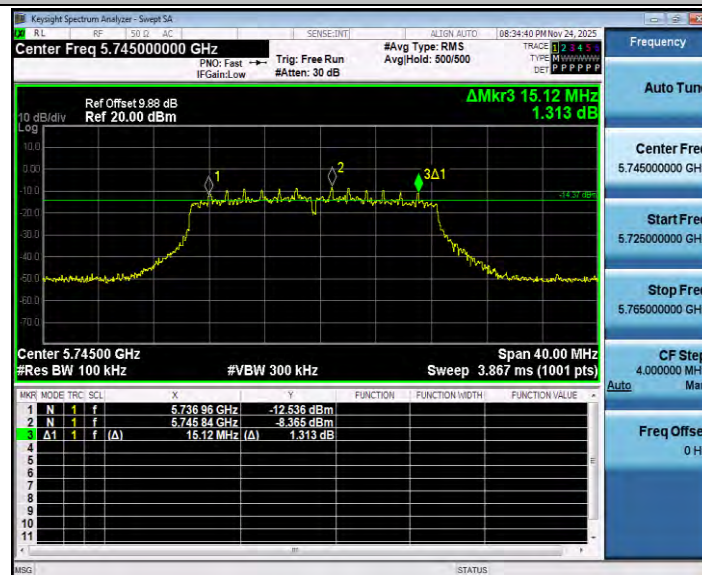
11N40SISO_Ant1_5755



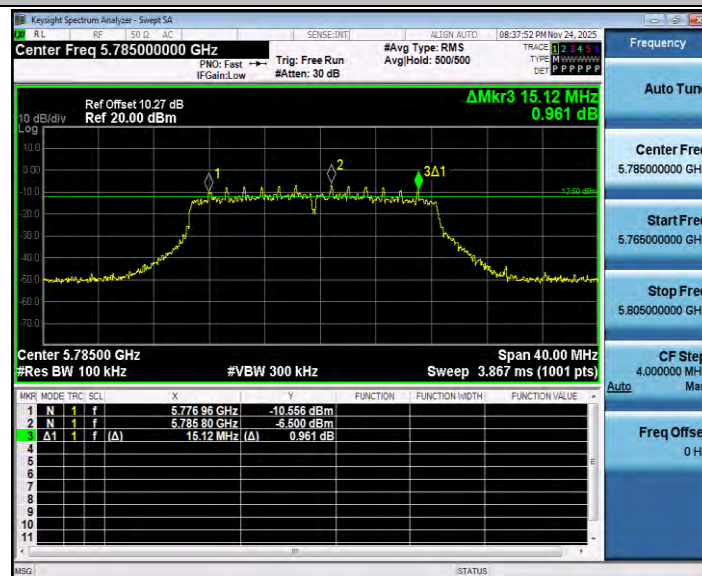
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



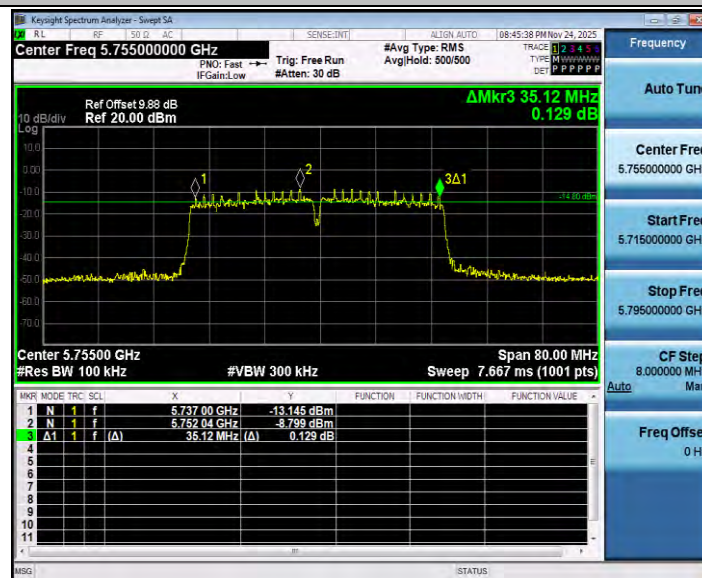
11AC20SISO_Ant1_5785



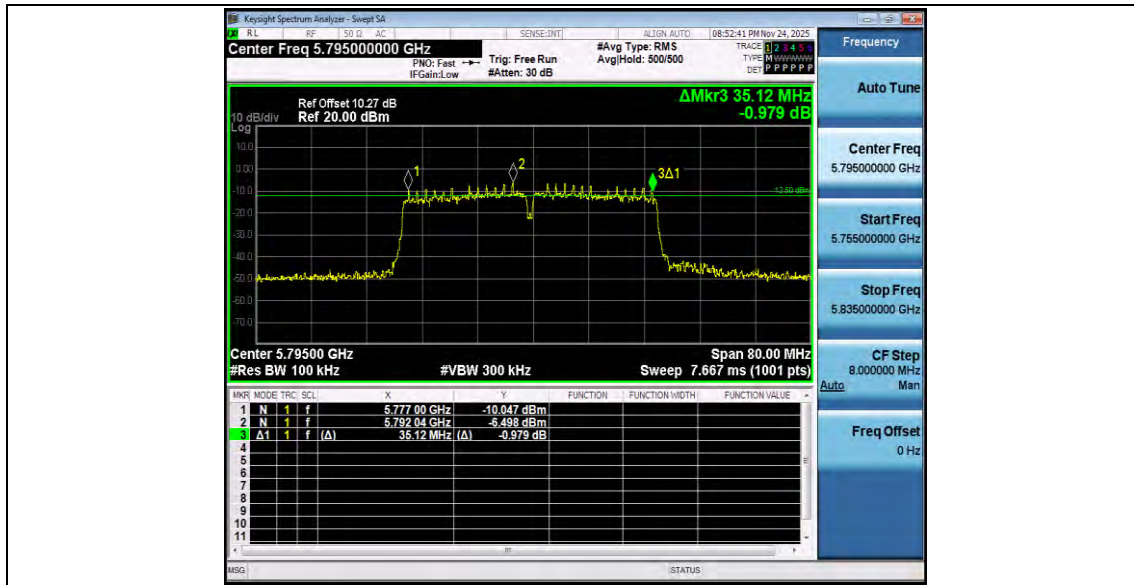
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



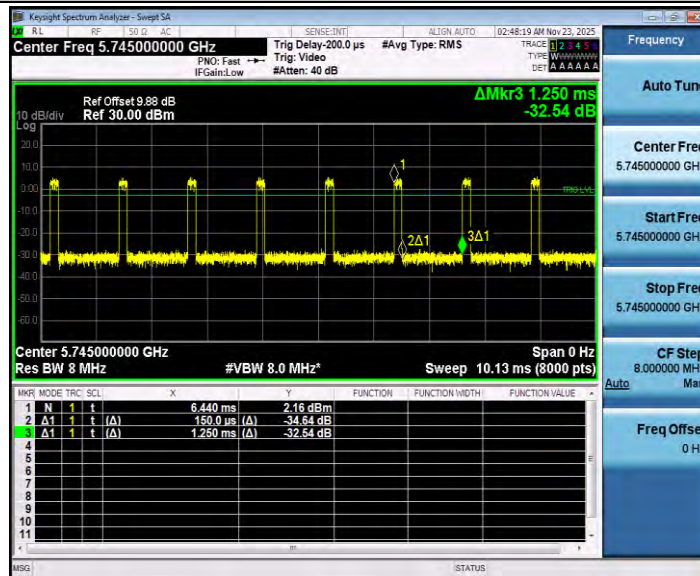
AppendixD.3: Duty Cycle

Test Result

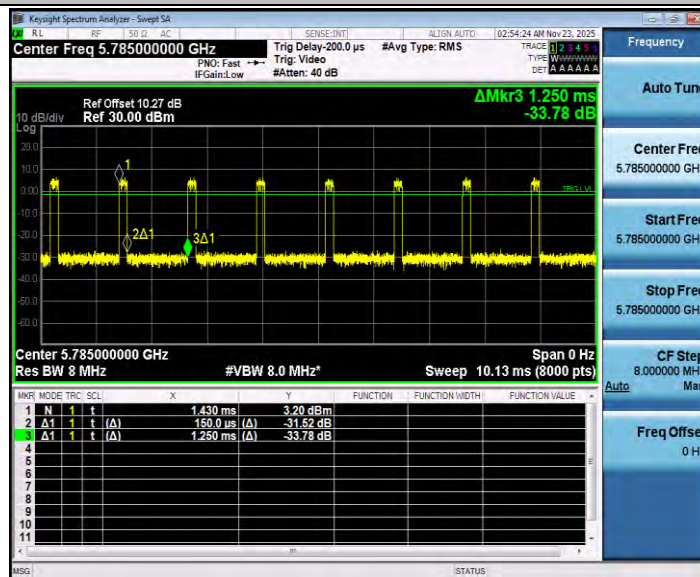
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	0.15	1.25	12.00	9.21	6.67
		5785	0.15	1.25	12.00	9.21	6.67
		5825	0.14	1.25	11.20	9.51	7.14
11N20SISO	Ant1	5745	0.16	1.27	12.60	9.00	6.25
		5785	0.16	1.27	12.60	9.00	6.25
		5825	0.16	1.27	12.60	9.00	6.25
11N40SISO	Ant1	5755	0.17	1.32	12.88	8.90	5.88
		5795	0.16	1.31	12.21	9.13	6.25
11AC20SISO	Ant1	5745	0.17	1.27	13.39	8.73	5.88
		5785	0.17	1.28	13.28	8.77	5.88
		5825	0.17	1.28	13.28	8.77	5.88
11AC40SISO	Ant1	5755	0.17	1.28	13.28	8.77	5.88
		5795	0.17	1.28	13.28	8.77	5.88

Test Graphs

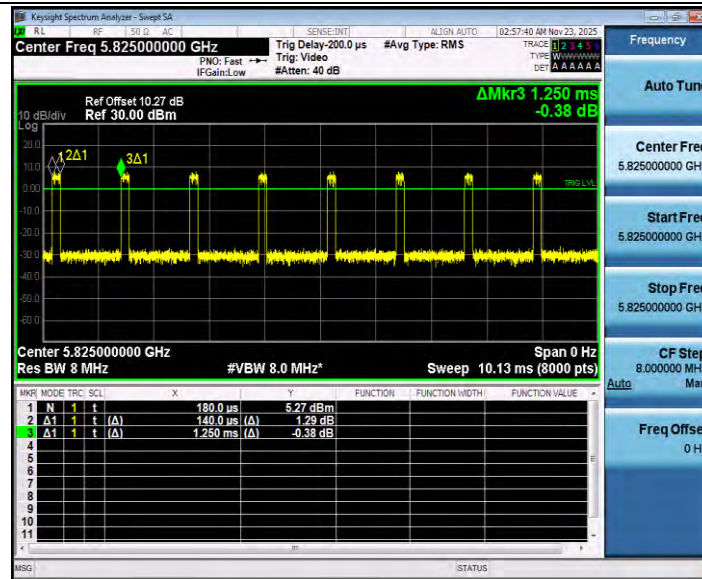
11A_Ant1_5745



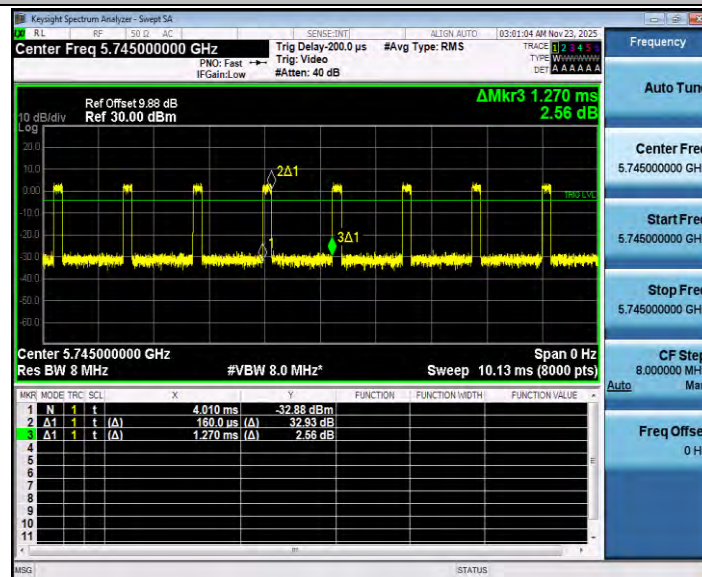
11A_Ant1_5785



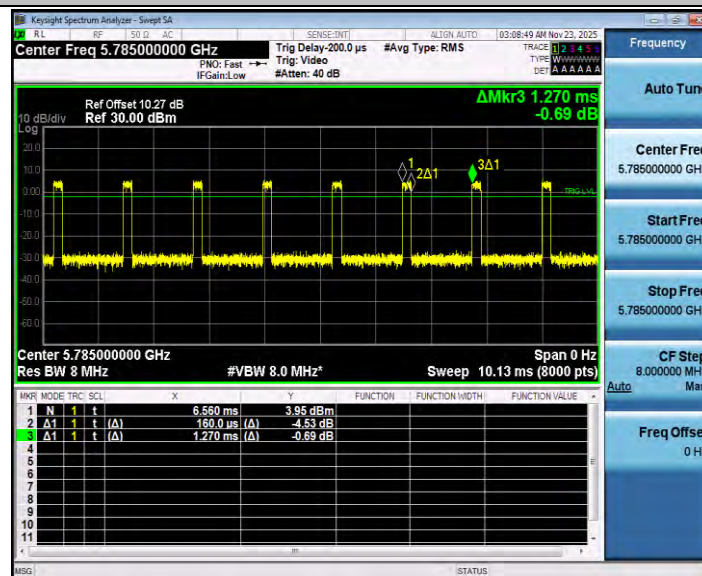
11A_Ant1_5825

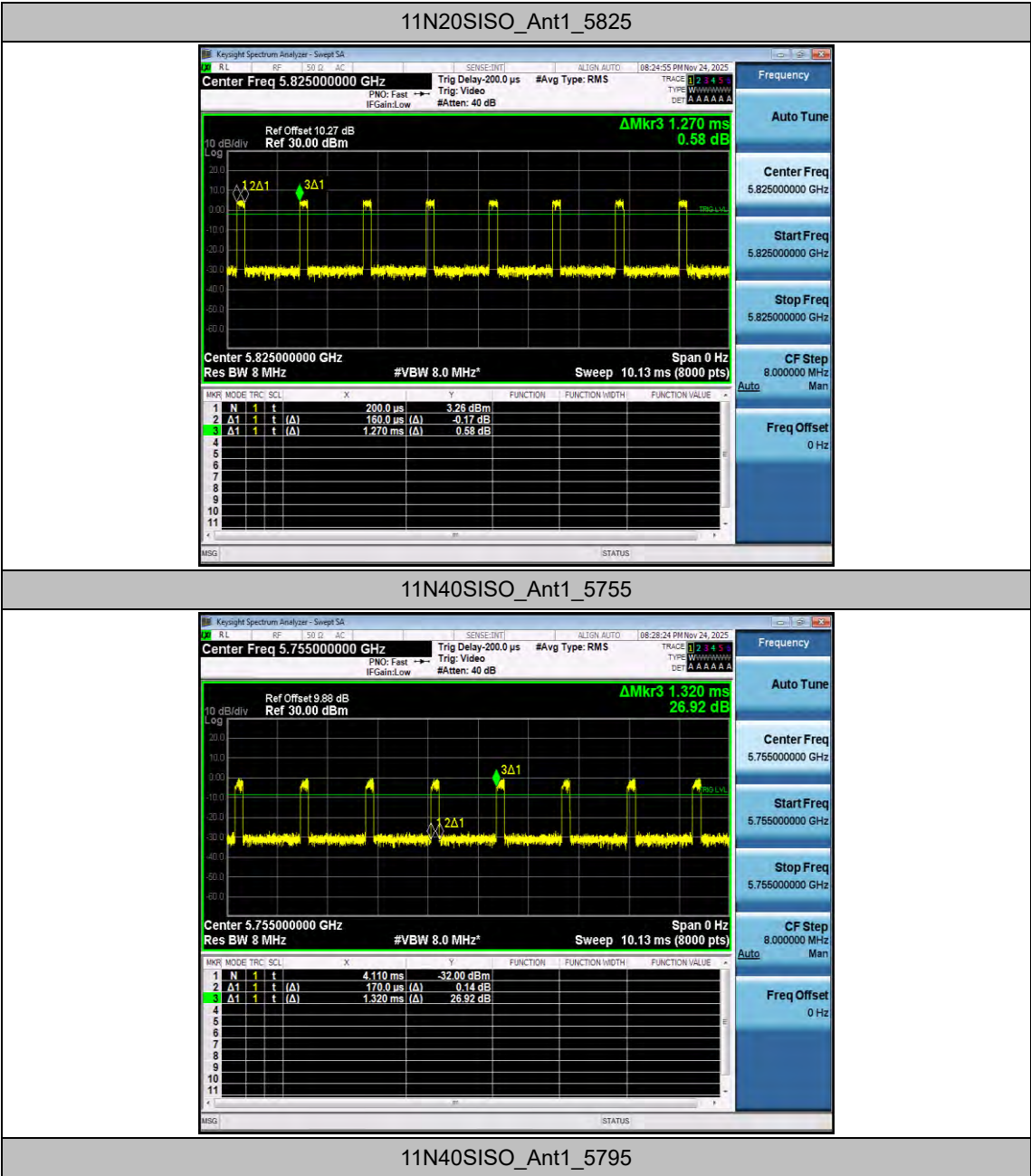


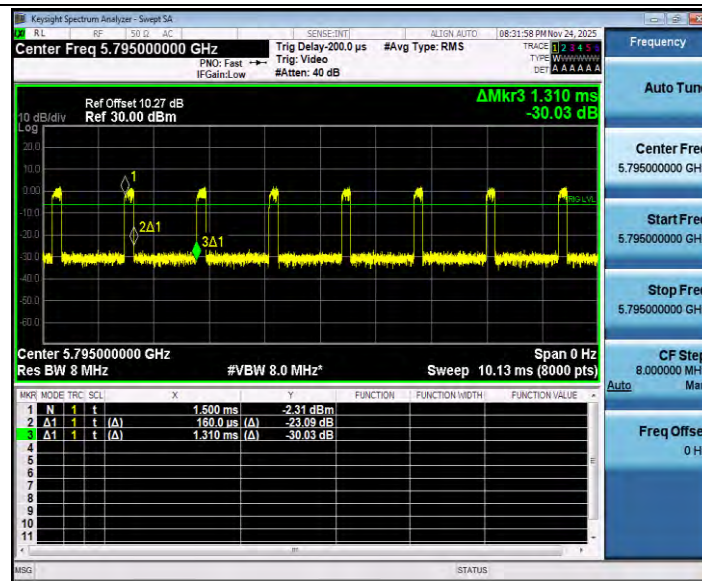
11N20SISO_Ant1_5745



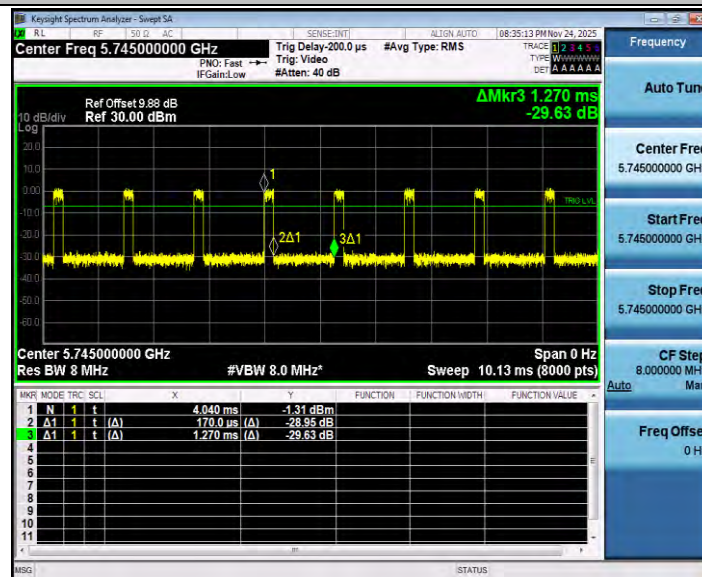
11N20SISO_Ant1_5785



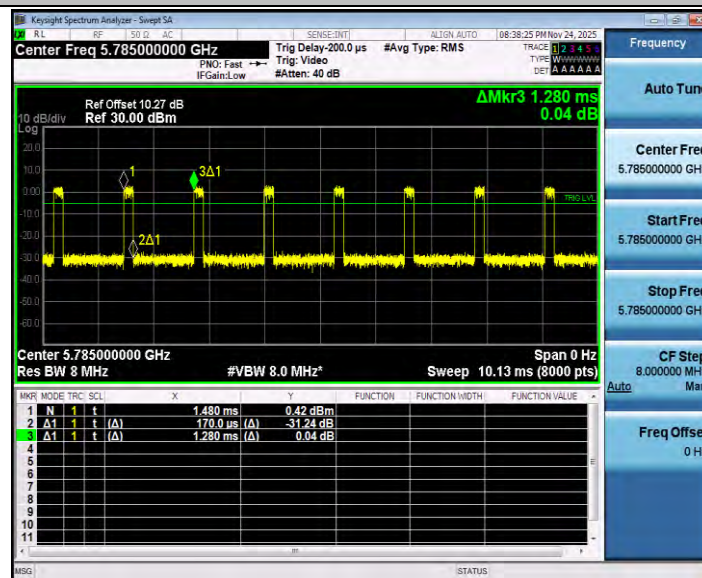


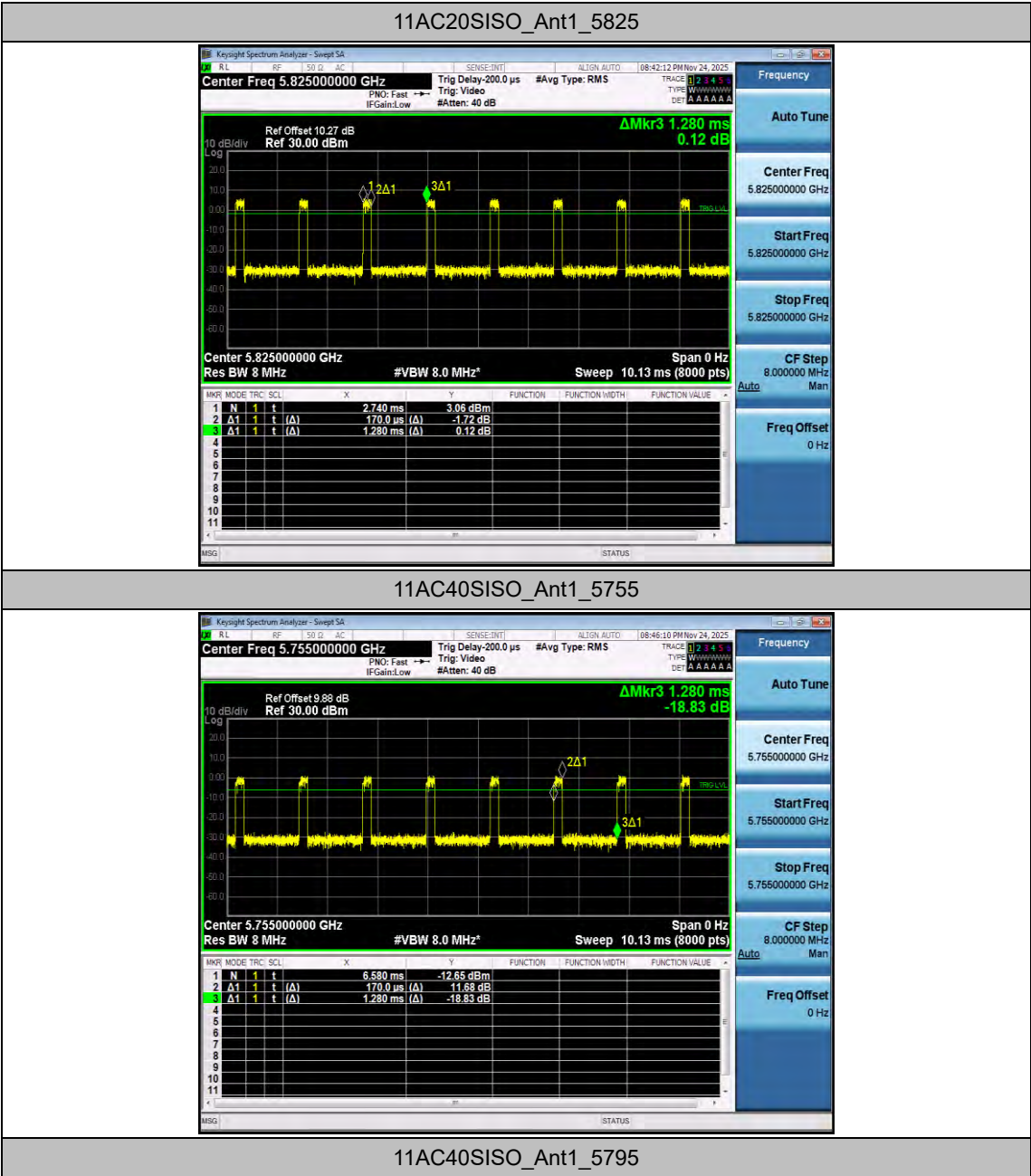


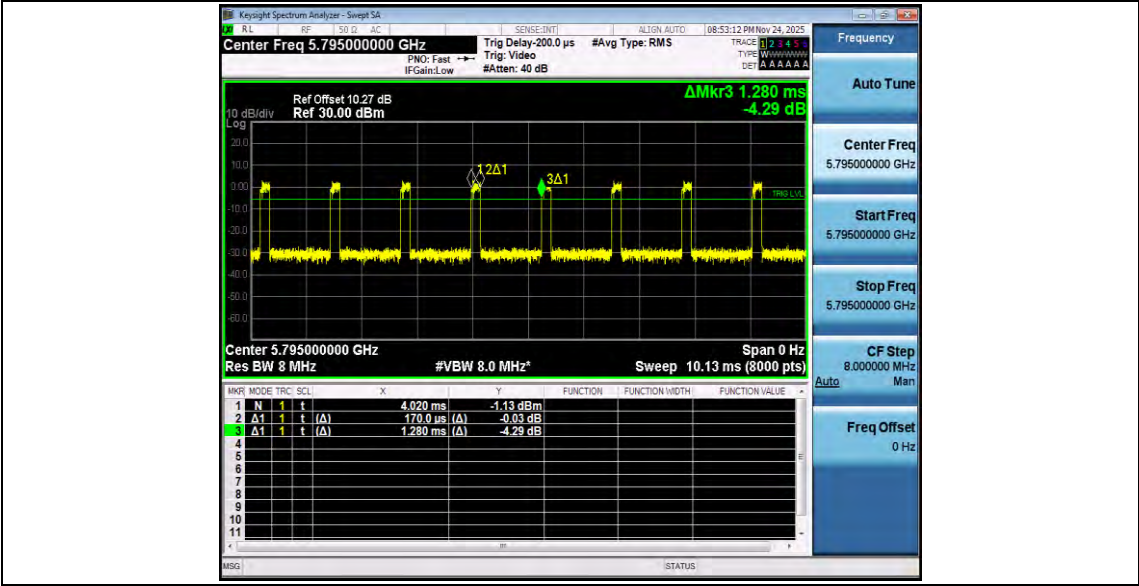
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785







AppendixD.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	-2.97	12.00	9.21	6.24	≤30.00	PASS
		5785	-2.71	12.00	9.21	6.50	≤30.00	PASS
		5825	-3.42	11.20	9.51	6.09	≤30.00	PASS
11N20SISO	Ant1	5745	-3.83	12.60	9.00	5.17	≤30.00	PASS
		5785	-2.30	12.60	9.00	6.70	≤30.00	PASS
		5825	-2.75	12.60	9.00	6.25	≤30.00	PASS
11N40SISO	Ant1	5755	-5.75	12.88	8.90	3.15	≤30.00	PASS
		5795	-4.34	12.21	9.13	4.79	≤30.00	PASS
11AC20SISO	Ant1	5745	-6.31	13.39	8.73	2.42	≤30.00	PASS
		5785	-4.98	13.28	8.77	3.79	≤30.00	PASS
		5825	-1.88	13.28	8.77	6.89	≤30.00	PASS
11AC40SISO	Ant1	5755	-4.07	13.28	8.77	4.70	≤30.00	PASS
		5795	-2.13	13.28	8.77	6.64	≤30.00	PASS

AppendixD.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-6.38	≤30.00	PASS
		5785	-5.61	≤30.00	PASS
		5825	-3.59	≤30.00	PASS
11N20SISO	Ant1	5745	-7.47	≤30.00	PASS
		5785	-5.55	≤30.00	PASS
		5825	-6.81	≤30.00	PASS
11N40SISO	Ant1	5755	-11.97	≤30.00	PASS
		5795	-9.47	≤30.00	PASS
11AC20SISO	Ant1	5745	-10.40	≤30.00	PASS
		5785	-8.60	≤30.00	PASS
		5825	-5.72	≤30.00	PASS
11AC40SISO	Ant1	5755	-10.42	≤30.00	PASS
		5795	-8.81	≤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 Factoriscompensatedinthe graph.

Test Graphs

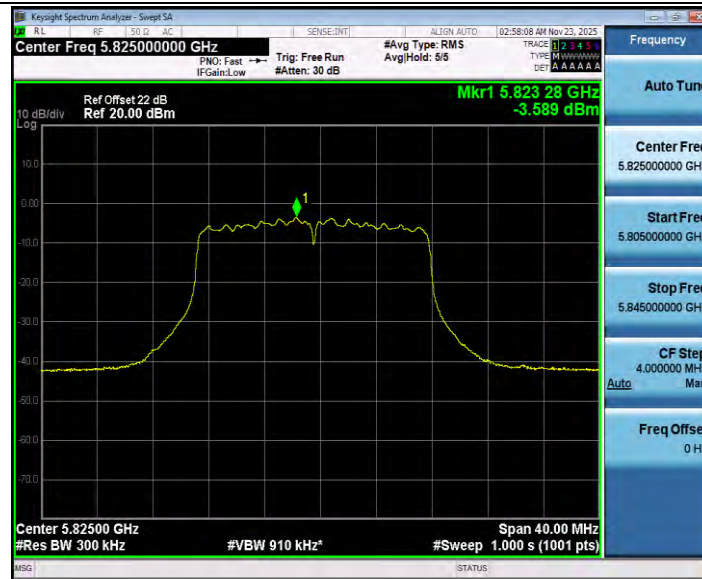
11A_Ant1_5745



11A_Ant1_5785



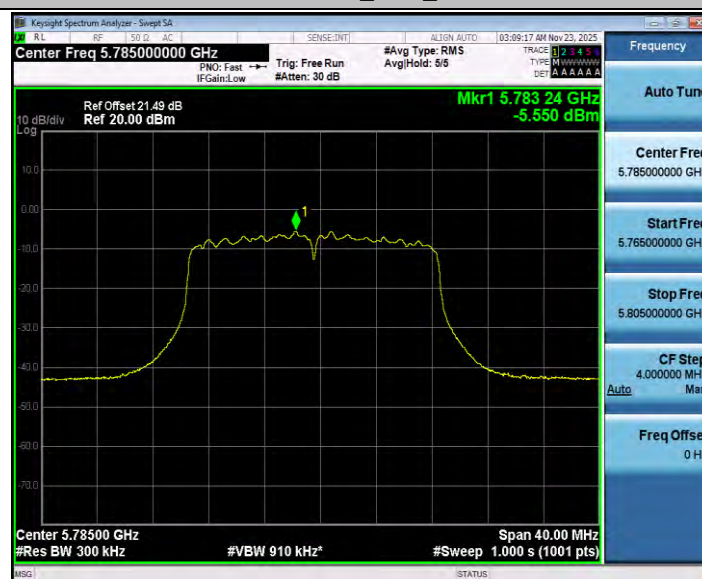
11A_Ant1_5825



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



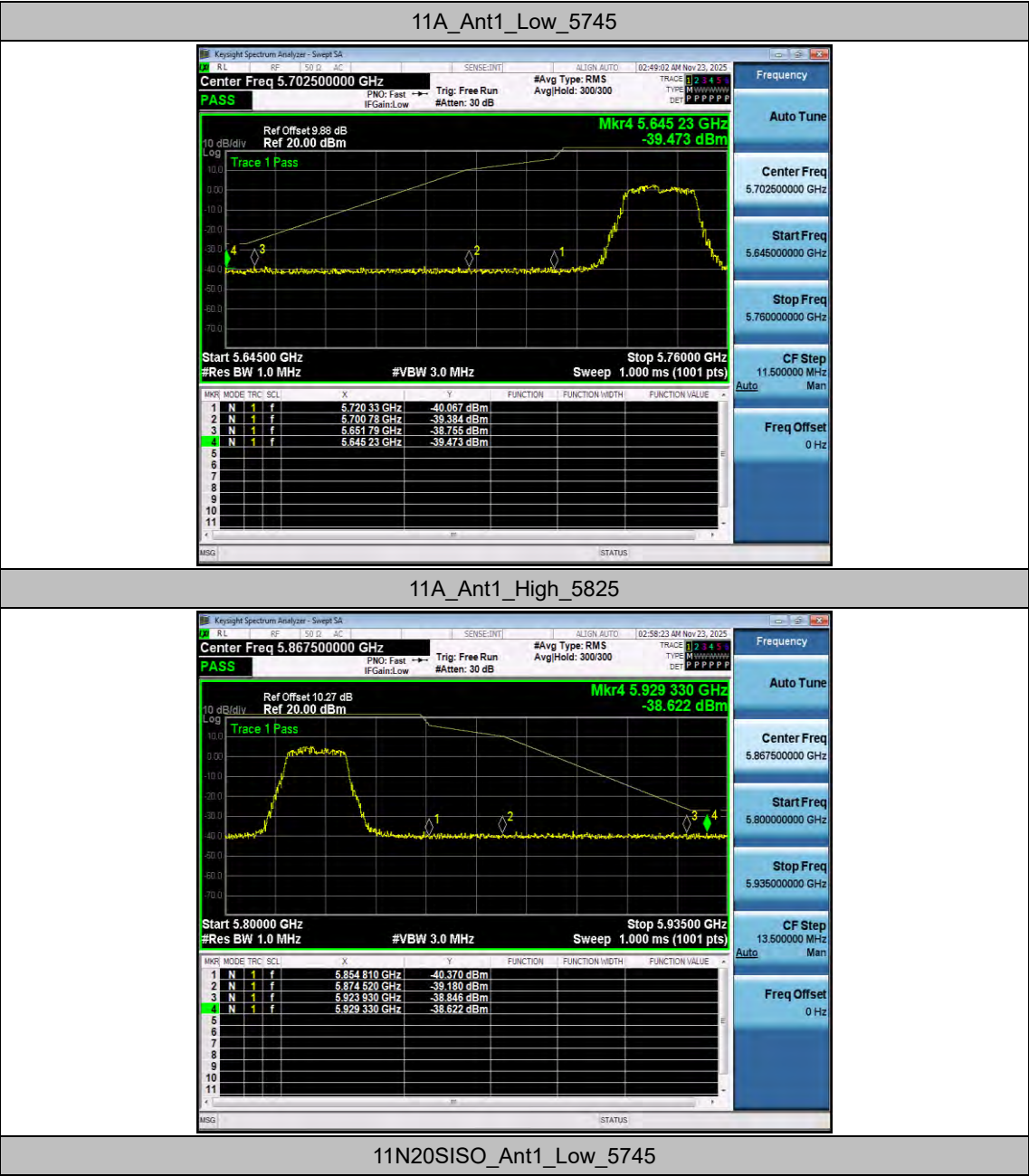
AppendixD.6:Band edge measurements

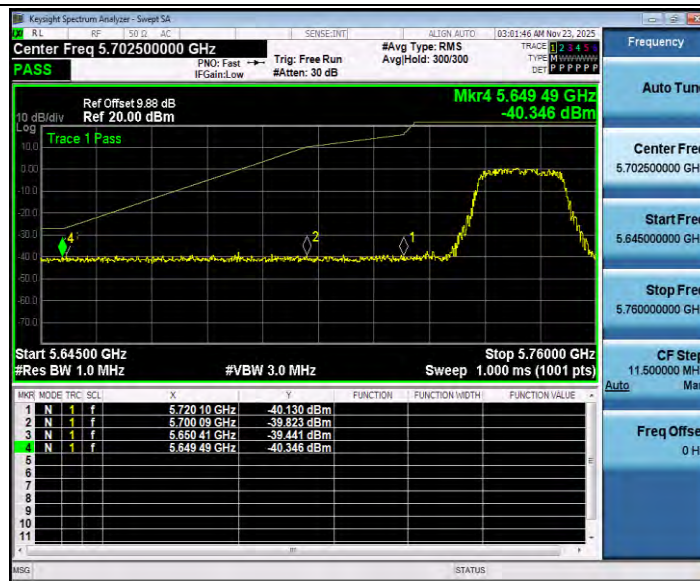
Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-38.76	≤-25.68	PASS
				5700~5720	-39.38	≤10.22	PASS
				5720~5725	-40.07	≤16.34	PASS
				5760~5650	-39.47	≤-27	PASS
		High	5825	5850~5855	-40.37	≤16.03	PASS
				5855~5875	-39.18	≤10.13	PASS
				5875~5925	-38.85	≤-26.21	PASS
				5925~5935	-38.62	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-39.44	≤-26.70	PASS
				5700~5720	-39.82	≤10.02	PASS
				5720~5725	-40.13	≤15.82	PASS
				5760~5650	-40.35	≤-27	PASS
		High	5825	5850~5855	-39.53	≤16.65	PASS
				5855~5875	-39.92	≤10.17	PASS
				5875~5925	-40.24	≤-26.61	PASS
				5925~5935	-38.81	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-40.96	≤-26.30	PASS
				5700~5720	-39.57	≤10.48	PASS
				5720~5725	-40.59	≤15.74	PASS
				5780~5650	-39.78	≤-27	PASS
		High	5795	5850~5855	-39.52	≤15.66	PASS
				5855~5875	-37.79	≤11.03	PASS
				5875~5925	-39.43	≤-26.46	PASS
				5925~5935	-38.49	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.93	≤-26.19	PASS
				5700~5720	-39.46	≤10.47	PASS
				5720~5725	-38.27	≤15.82	PASS
				5760~5650	-40.01	≤-27	PASS
		High	5825	5850~5855	-38.58	≤17.57	PASS
				5855~5875	-37.73	≤10.02	PASS
				5875~5925	-39.51	≤-26.81	PASS
				5925~5935	-38.66	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-40.43	≤-26.90	PASS
				5700~5720	-40	≤10.36	PASS
				5720~5725	-39.47	≤16.35	PASS
				5780~5650	-40.02	≤-27	PASS

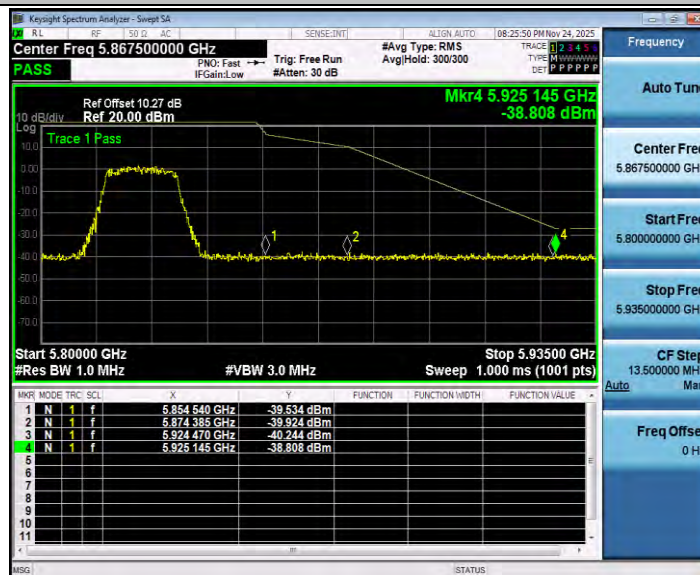
		High	5795	5850~5855	-39.93	≤ 15.66	PASS
				5855~5875	-38.78	≤ 10.25	PASS
				5875~5925	-39.55	≤ -26.46	PASS
				5925~5935	-37.42	≤ -27	PASS

Test GraphsB4





11N20SISO_Ant1_High_5825



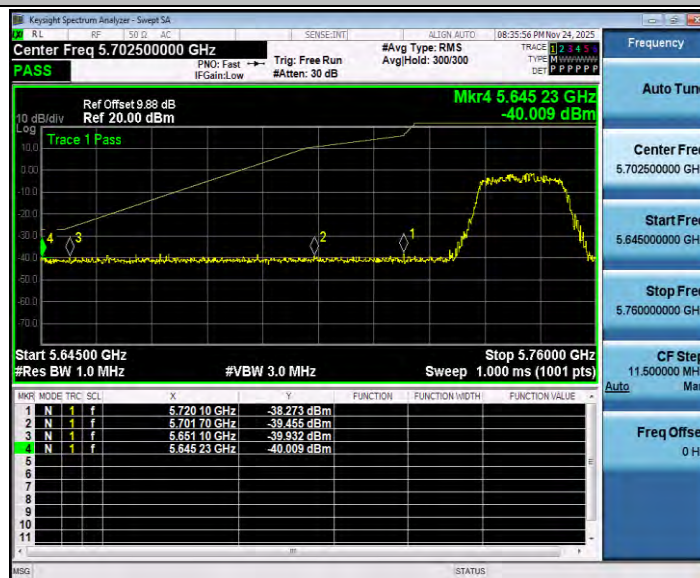
11N40SISO_Ant1_Low_5755



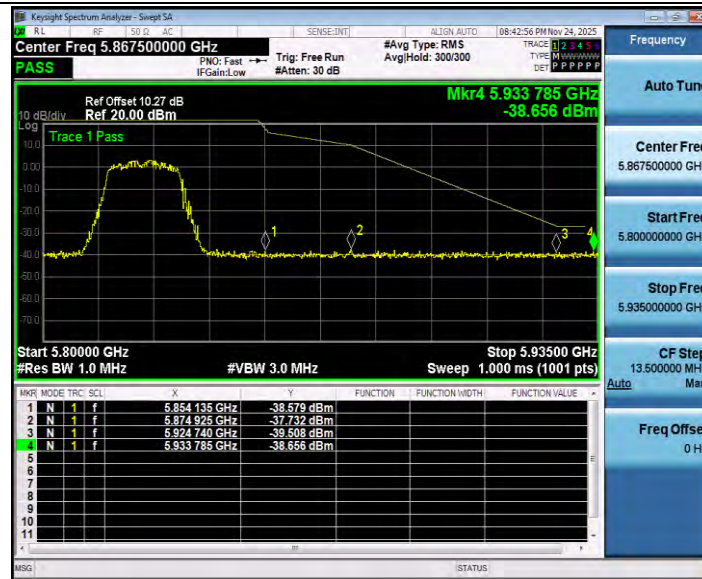
11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



AppendixD.7:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5449.93	-40.55	≤-27	PASS
			5925~27000	25453.8	-32.11	≤-27	PASS
		5785	30~5650	5497.51	-40.17	≤-27	PASS
			5925~27000	26789.95	-30.23	≤-27	PASS
		5825	30~5650	3167.08	-40.36	≤-27	PASS
			5925~27000	25250.78	-31.26	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5534.6	-40.07	≤-27	PASS
			5925~27000	26719	-31.83	≤-27	PASS
		5785	30~5650	5460.42	-39.41	≤-27	PASS
			5925~27000	24274.3	-32.15	≤-27	PASS
		5825	30~5650	4970.73	-39.93	≤-27	PASS
			5925~27000	24266.57	-31.44	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	4957.99	-39.57	≤-27	PASS
			5925~27000	26788.55	-32.15	≤-27	PASS
		5795	30~5650	5490.39	-40.32	≤-27	PASS
			5925~27000	26907.27	-31.92	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5427.45	-39.98	≤-27	PASS
			5925~27000	24186.49	-31.92	≤-27	PASS
		5785	30~5650	5456.86	-39.42	≤-27	PASS
			5925~27000	24149.26	-31.01	≤-27	PASS
		5825	30~5650	2692.94	-39.49	≤-27	PASS
			5925~27000	26057.25	-31.56	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5422.39	-39.15	≤-27	PASS
			5925~27000	23506.47	-31.98	≤-27	PASS
		5795	30~5650	5552.02	-40.13	≤-27	PASS
			5925~27000	23598.5	-31.57	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~27000



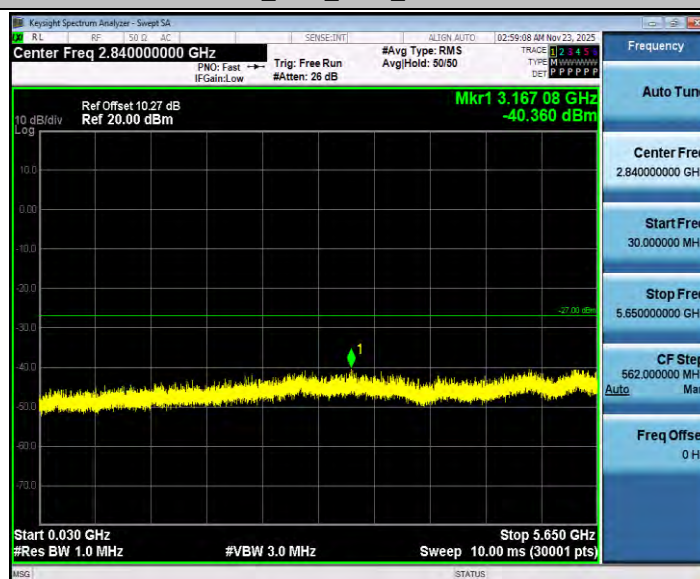
11A_Ant1_5785_30~5650



11A_Ant1_5785_5925~27000



11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~27000



11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5745_5925~27000



11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~27000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~27000



11N40SISO_Ant1_5755_30~5650



11N40SISO_Ant1_5755_5925~27000



11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~27000



11AC20SISO_Ant1_5745_30~5650



11AC20SISO_Ant1_5745_5925~27000



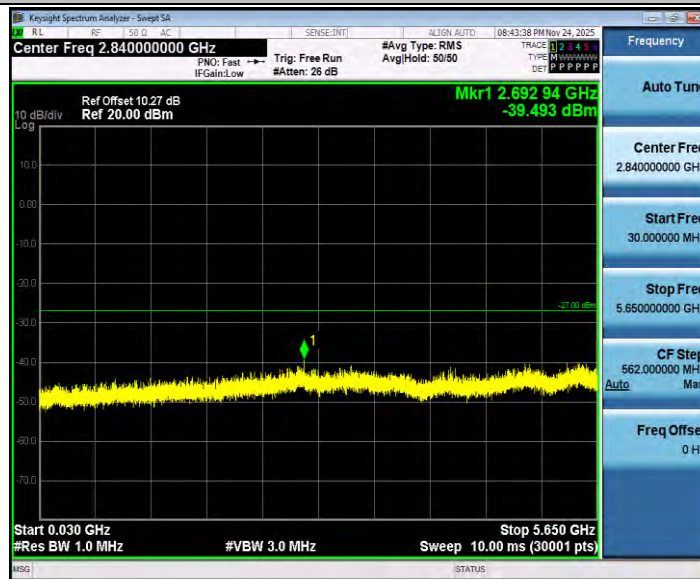
11AC20SISO_Ant1_5785_30~5650



11AC20SISO_Ant1_5785_5925~27000



11AC20SISO_Ant1_5825_30~5650



11AC20SISO_Ant1_5825_5925~27000



11AC40SISO_Ant1_5755_30~5650

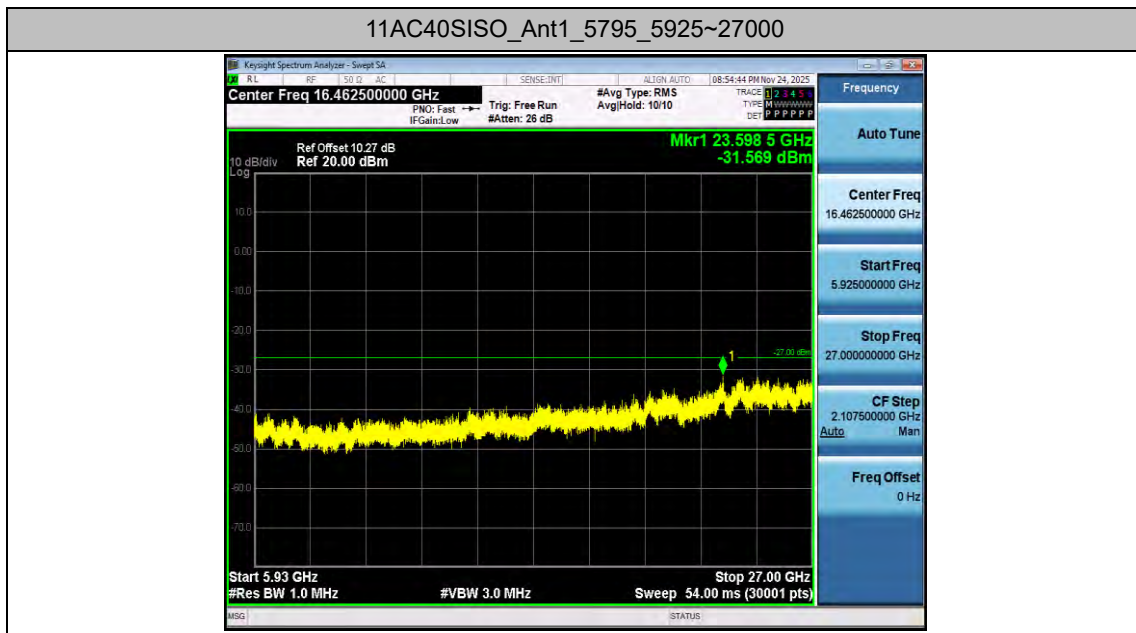


11AC40SISO_Ant1_5755_5925~27000



11AC40SISO_Ant1_5795_30~5650





AppendixD.8:Emissions in Restricted Bands

Test Result

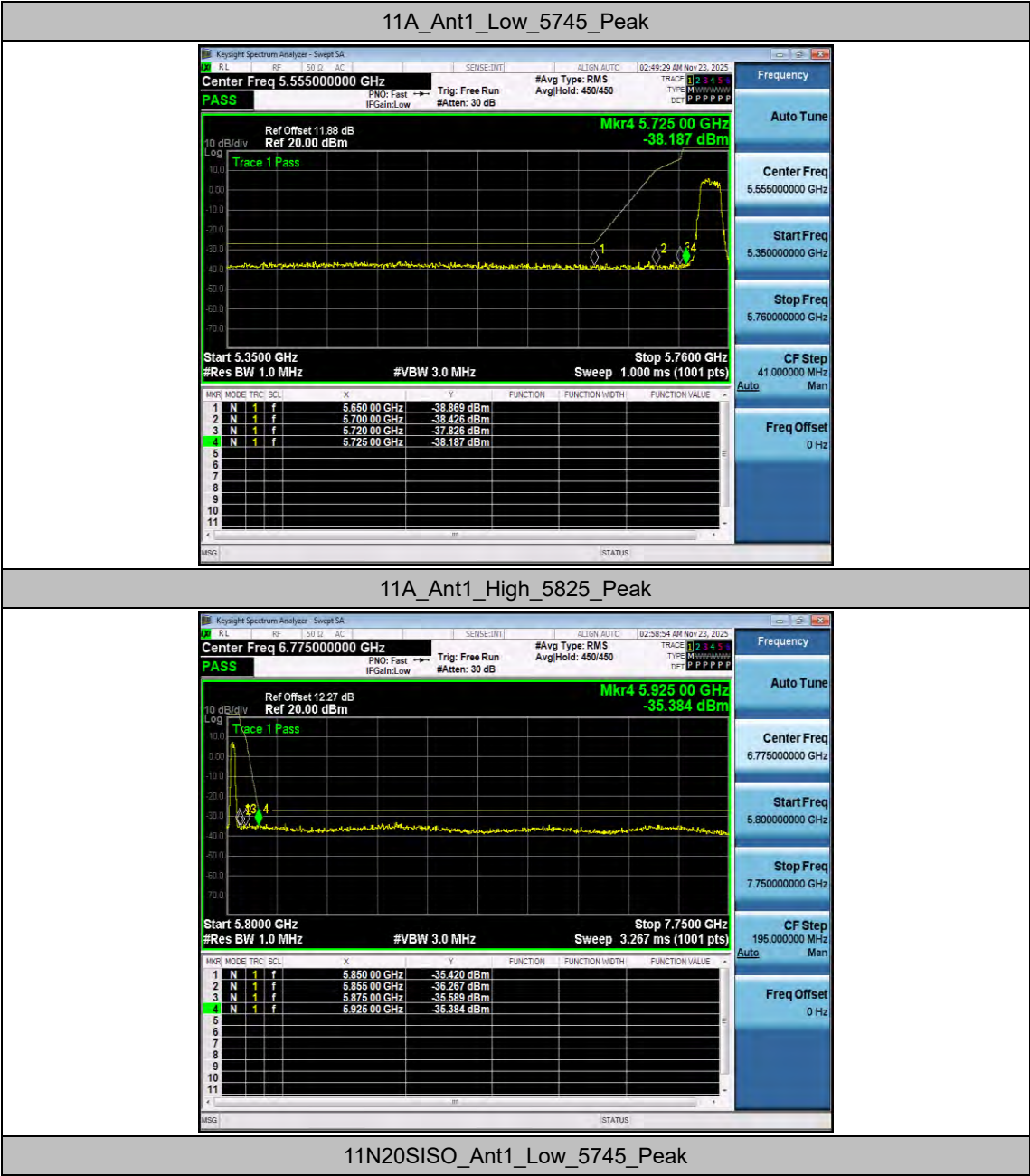
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-38.869	≤-27.00	---	---	PASS
				Peak	5700.000	-38.43	≤10.00	---	---	PASS
				Peak	5720.000	-37.83	≤15.60	---	---	PASS
				Peak	5725.000	-38.19	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-35.42	≤27.00	---	---	PASS
				Peak	5855.000	-36.27	≤15.60	---	---	PASS
				Peak	5875.000	-35.59	≤10.00	---	---	PASS
				Peak	5925.000	-35.38	≤-27.00	---	---	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-40.27	≤-27.00	---	---	PASS
				Peak	5700.000	-36.56	≤10.00	---	---	PASS
				Peak	5720.000	-37.39	≤15.60	---	---	PASS
				Peak	5725.000	-37.99	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-36.083	≤27.00	---	---	PASS
				Peak	5855.000	-36.01	≤15.60	---	---	PASS
				Peak	5875.000	-36.18	≤10.00	---	---	PASS
				Peak	5925.000	-36.08	≤-27.00	---	---	PASS
11N40SISO	Ant1	Low	5755	Peak	5650.000	-39.378	≤-27.00	---	---	PASS
				Peak	5700.000	-40.11	≤10.00	---	---	PASS
				Peak	5720.000	-37.98	≤15.60	---	---	PASS
				Peak	5725.000	-38.78	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-35.468	≤27.00	---	---	PASS
				Peak	5855.000	-35.43	≤15.60	---	---	PASS
				Peak	5875.000	-36.03	≤10.00	---	---	PASS
				Peak	5925.000	-35.74	≤-27.00	---	---	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-39.805	≤-27.00	---	---	PASS
				Peak	5700.000	-39.13	≤10.00	---	---	PASS
				Peak	5720.000	-39.49	≤15.60	---	---	PASS
				Peak	5725.000	-38.52	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-35.373	≤27.00	---	---	PASS
				Peak	5855.000	-36.04	≤15.60	---	---	PASS

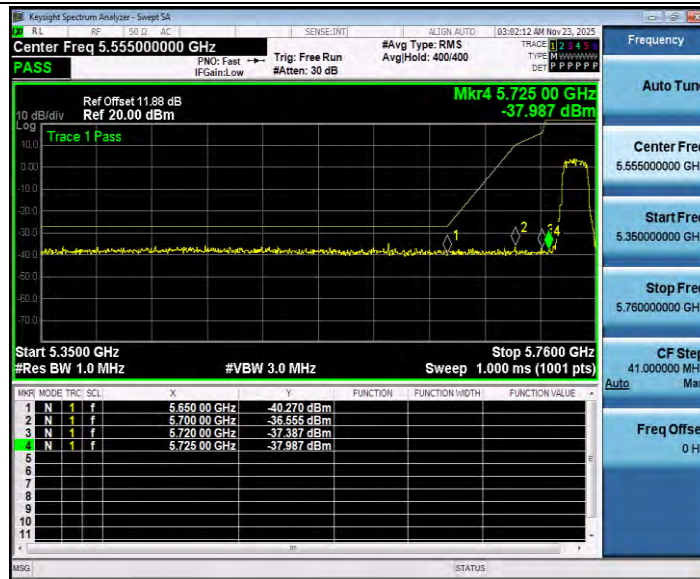
				Peak	5875.000	-36.52	≤ 10.00	---	---	PASS
				Peak	5925.000	-36.66	≤ -27.00	- --	- --	PASS
11AC40SI SO	Ant1	Low	5755	Peak	5650.000	-38.39 3	≤ -27.00	---	---	PASS
				Peak	5700.000	-37.76	≤ 10.00	---	---	PASS
				Peak	5720.000	-36.08	≤ 15.60	---	---	PASS
				Peak	5725.000	-37.52	≤ 27.00	- --	- --	PASS
		High	5795	Peak	5850.000	-35.70 8	≤ 27.00	---	---	PASS
				Peak	5855.000	-35.13	≤ 15.60	---	---	PASS
				Peak	5875.000	-35.2	≤ 10.00	---	---	PASS
				Peak	5925.000	-35.6	≤ -27.00	- --	- --	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

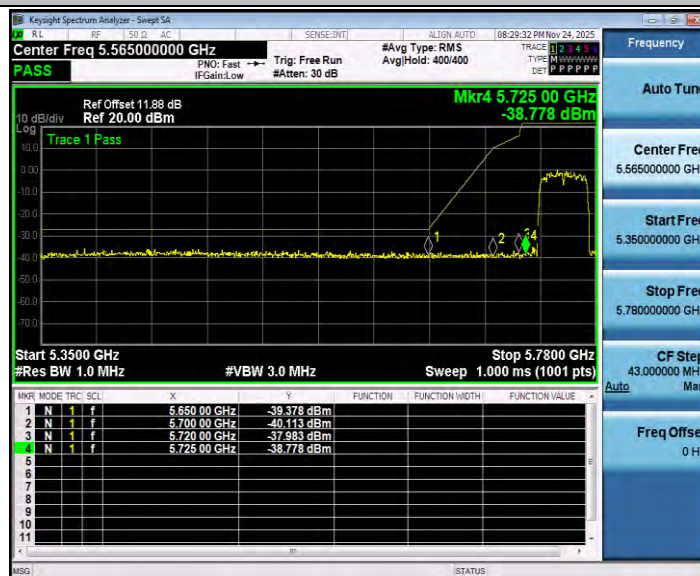




11N20SISO_Ant1_High_5825_Peak



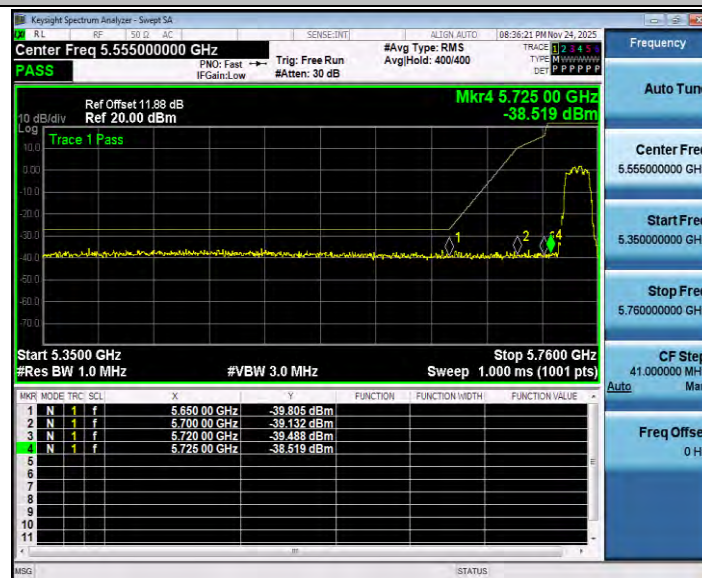
11N40SISO_Ant1_Low_5755_Peak



11N40SISO_Ant1_High_5795_Peak



11AC20SISO_Ant1_Low_5745_Peak



11AC20SISO_Ant1_High_5825_Peak



11AC40SISO_Ant1_Low_5755_Peak



11AC40SISO_Ant1_High_5795_Peak

