

Case No. : <u>GTS20250509019-2-09</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.6.21</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.686	5736.1674	5752.8534	---	---
		5785	16.754	5776.1396	5792.8936	---	---
		5825	16.629	5816.1777	5832.8067	---	---
11N20SISO	Ant1	5745	17.866	5735.5962	5753.4622	---	---
		5785	17.848	5775.6159	5793.4639	---	---
		5825	17.917	5815.5850	5833.5020	---	---
11AC20SISO	Ant1	5745	18.048	5735.6446	5753.6926	---	---
		5785	18.132	5775.6262	5793.7582	---	---
		5825	18.116	5815.6423	5833.7583	---	---
11AX20SISO	Ant1	5745	19.046	5735.0151	5754.0611	---	---
		5785	19.039	5775.0046	5794.0436	---	---
		5825	19.074	5815.0048	5834.0788	---	---

Test Graphs

11A_Ant1_5745



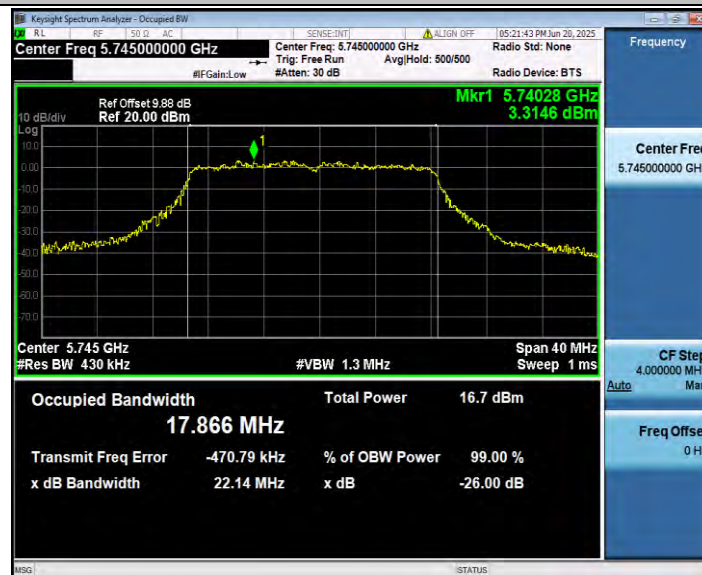
11A_Ant1_5785



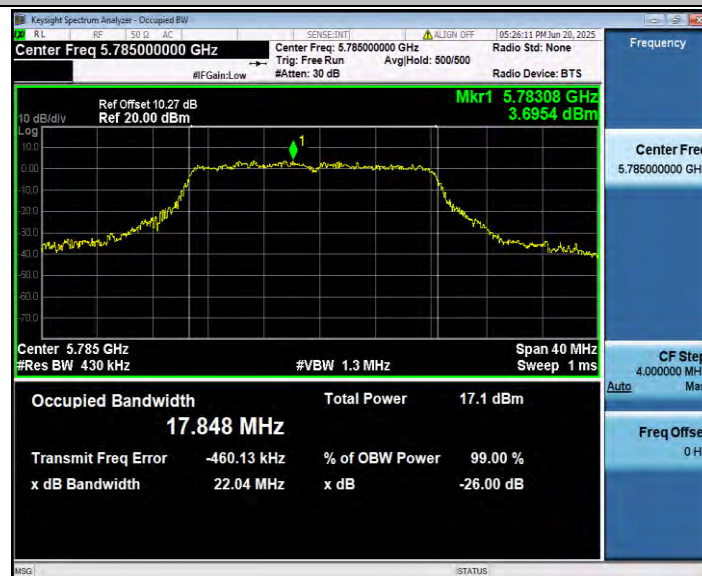
11A_Ant1_5825



11N20SISO_Ant1_5745



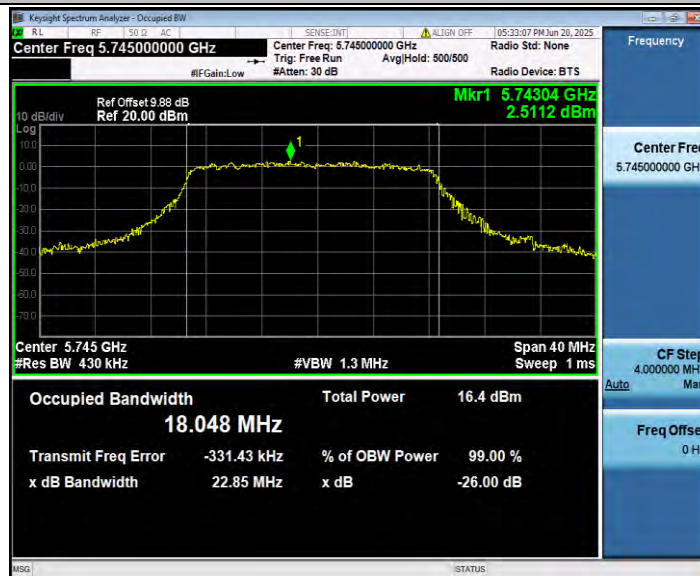
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



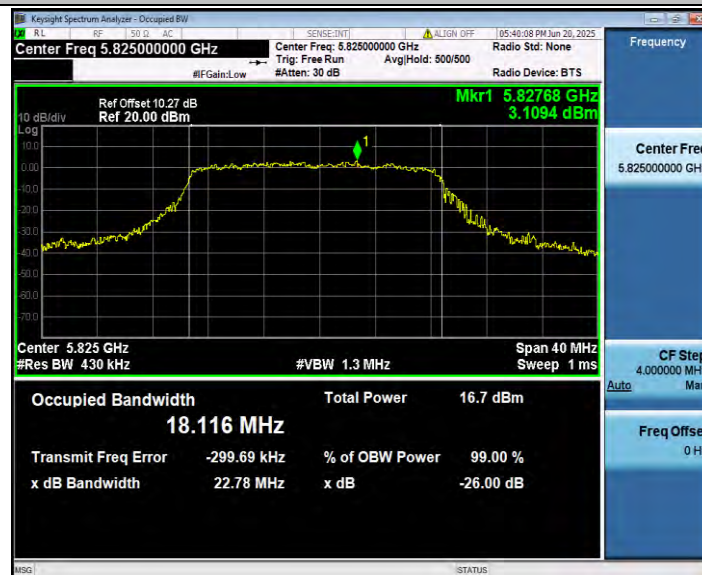
11AC20SISO_Ant1_5745



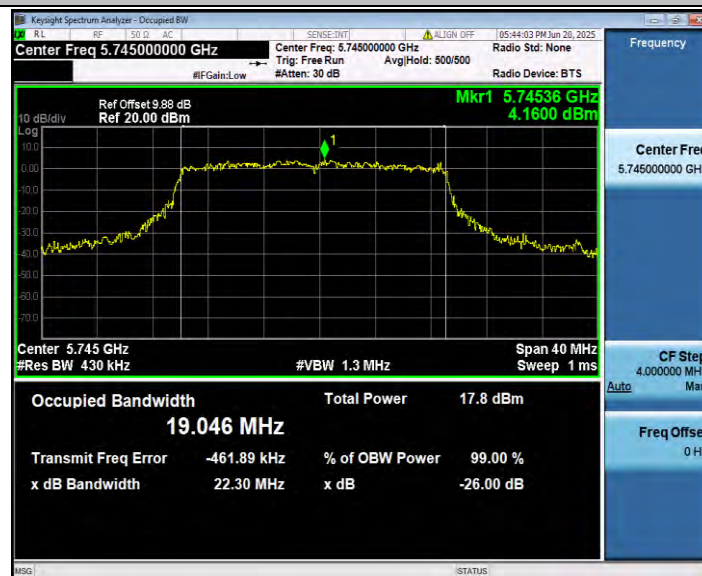
11AC20SISO_Ant1_5785



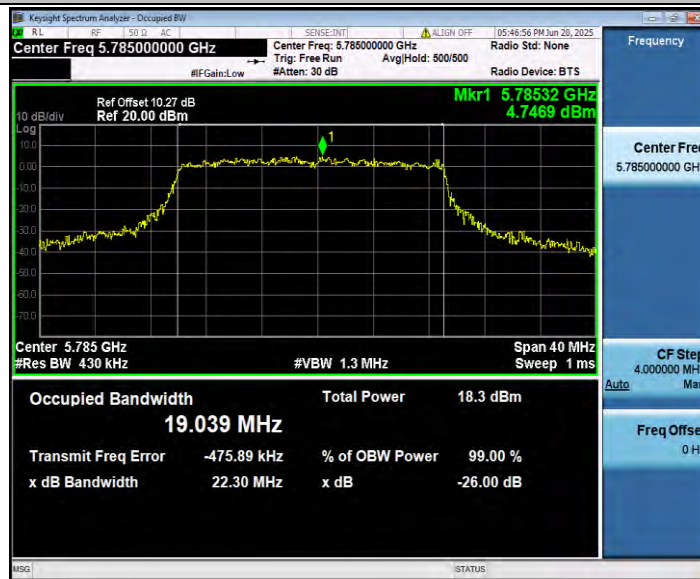
11AC20SISO_Ant1_5825



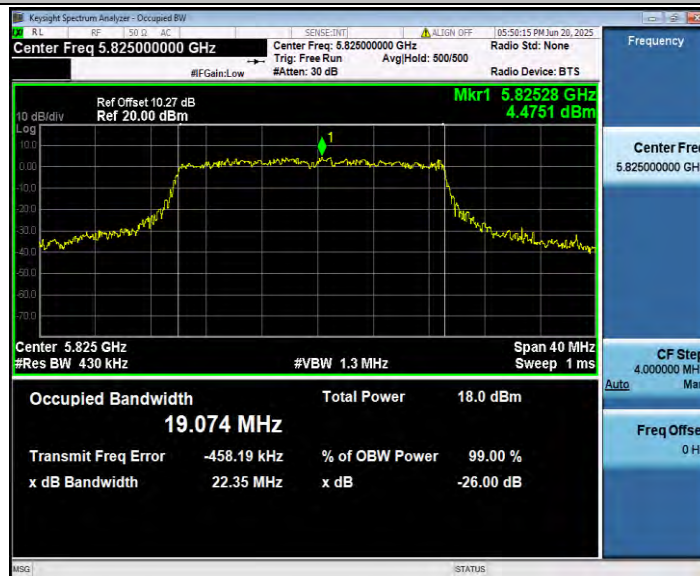
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



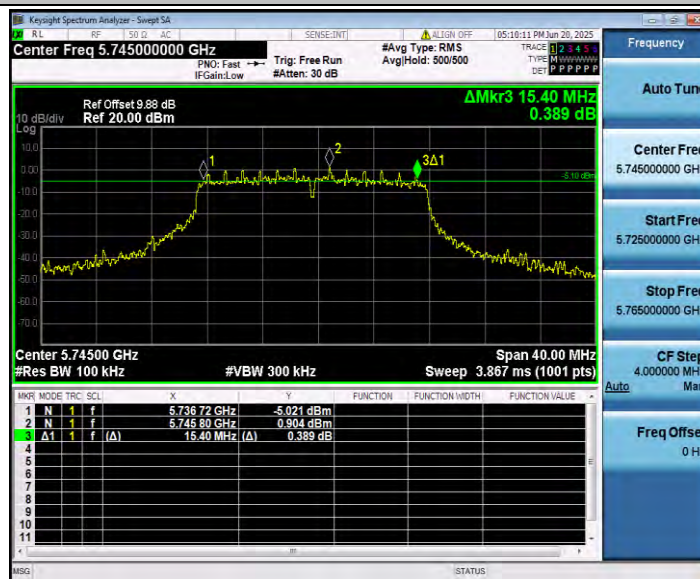
Appendix D.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.400	5736.720	5752.120	0.5	PASS
		5785	15.120	5777.000	5792.120	0.5	PASS
		5825	15.120	5817.000	5832.120	0.5	PASS
11N20SISO	Ant1	5745	16.080	5736.040	5752.120	0.5	PASS
		5785	16.080	5776.040	5792.120	0.5	PASS
		5825	16.080	5816.040	5832.120	0.5	PASS
11AC20SISO	Ant1	5745	15.960	5736.400	5752.360	0.5	PASS
		5785	15.120	5777.000	5792.120	0.5	PASS
		5825	15.160	5816.960	5832.120	0.5	PASS
11AX20SISO	Ant1	5745	15.120	5737.000	5752.120	0.5	PASS
		5785	15.120	5777.000	5792.120	0.5	PASS
		5825	15.240	5816.960	5832.200	0.5	PASS

Test Graphs B4

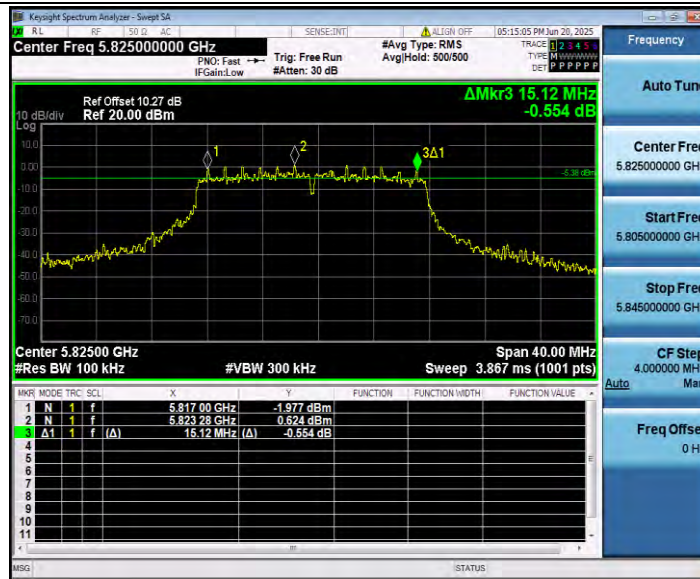
11A_Ant1_5745



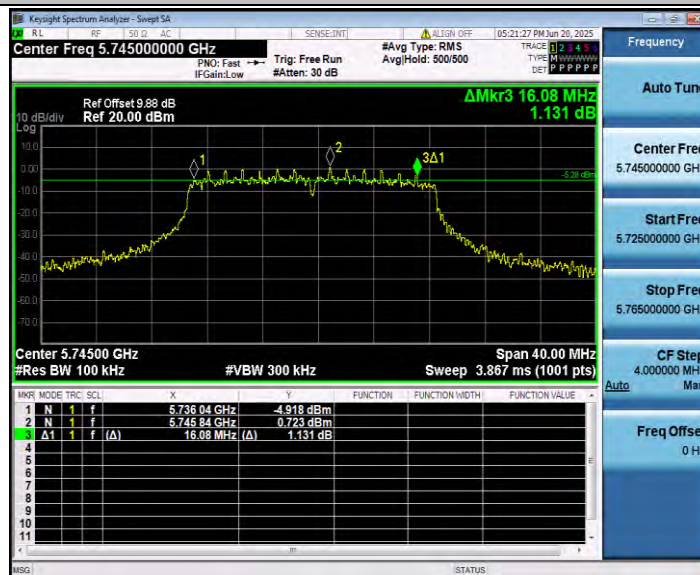
11A_Ant1_5785



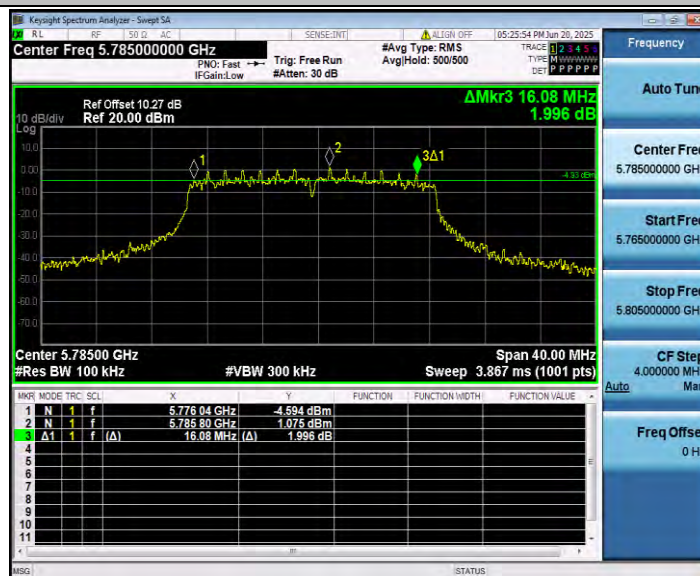
11A_Ant1_5825



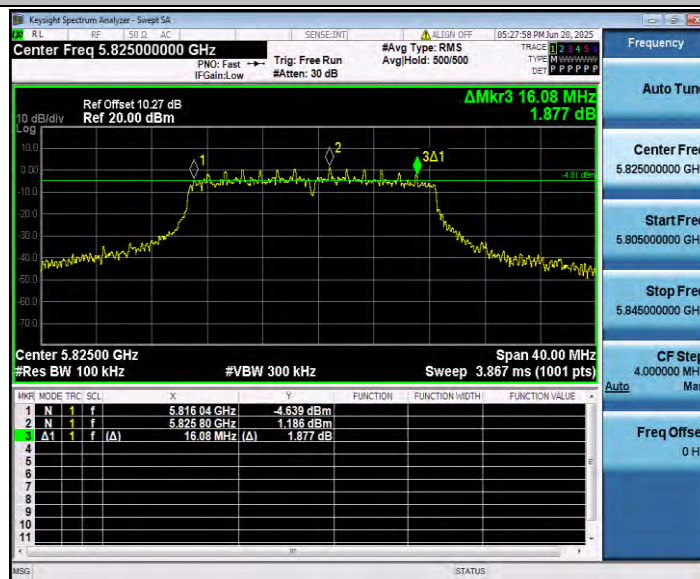
11N20SISO_Ant1_5745



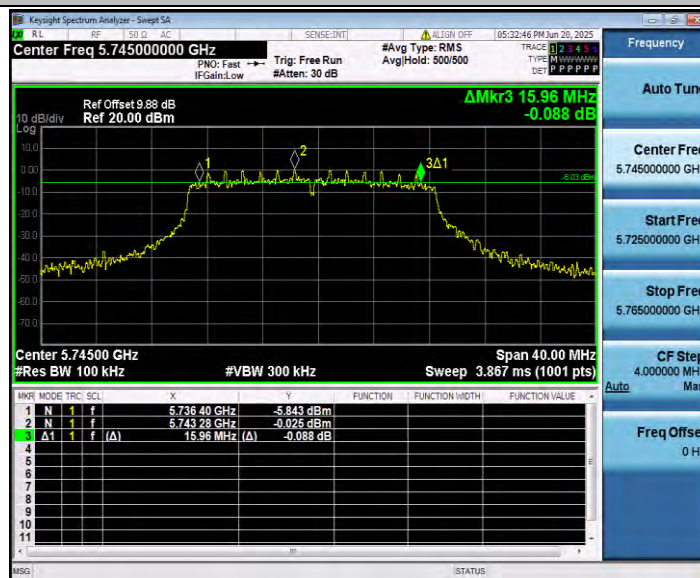
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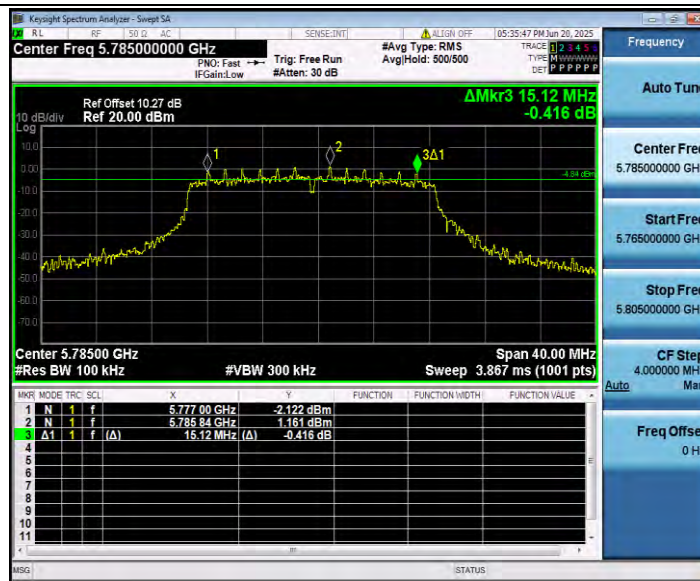
11N20SISO_Ant1_5825



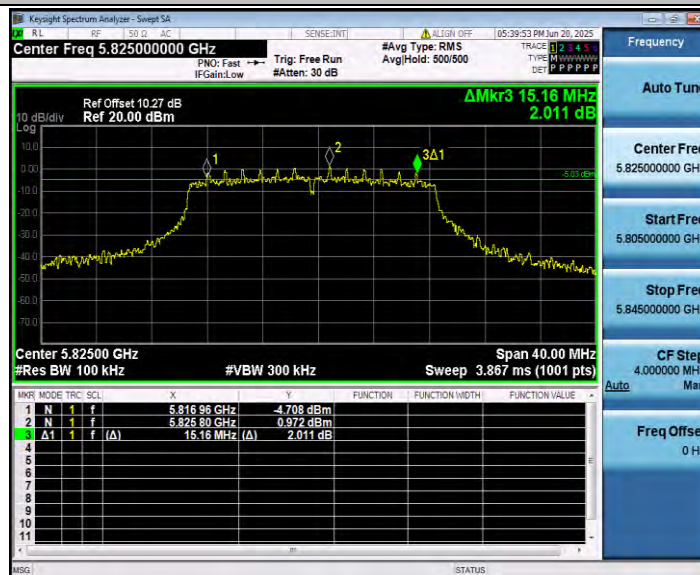
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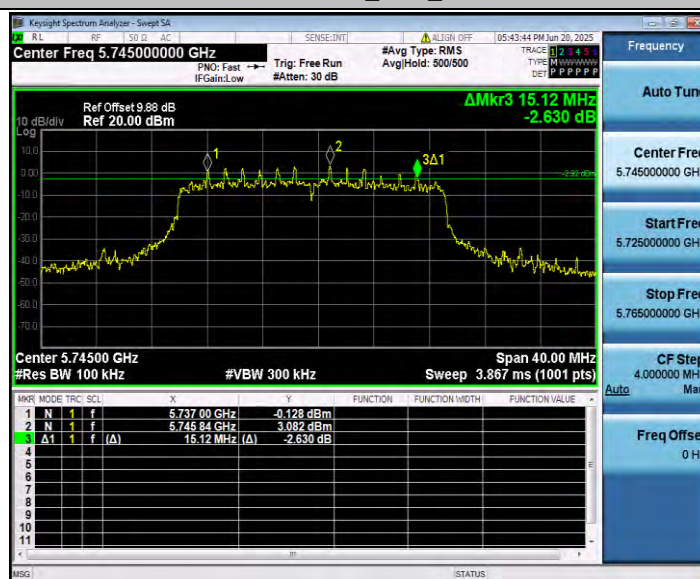
11AC20SISO_Ant1_5785



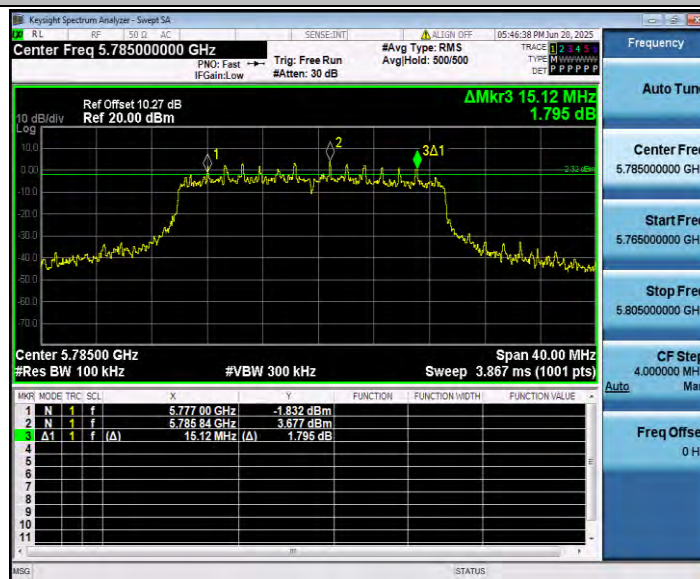
11AC20SISO_Ant1_5825



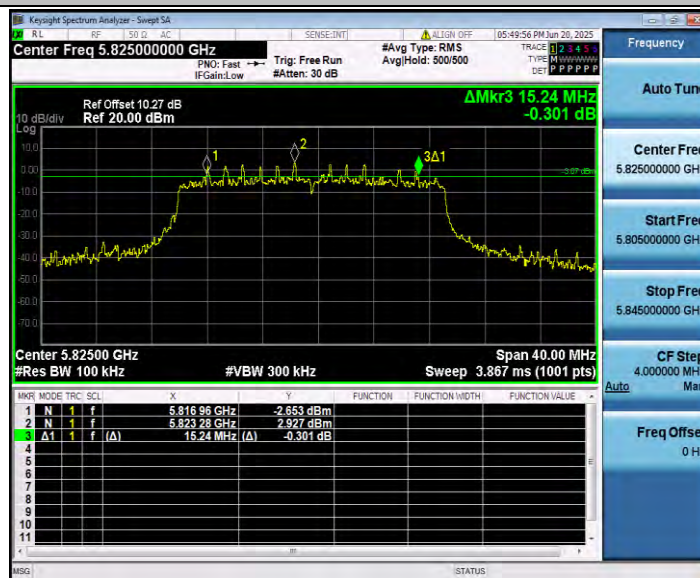
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



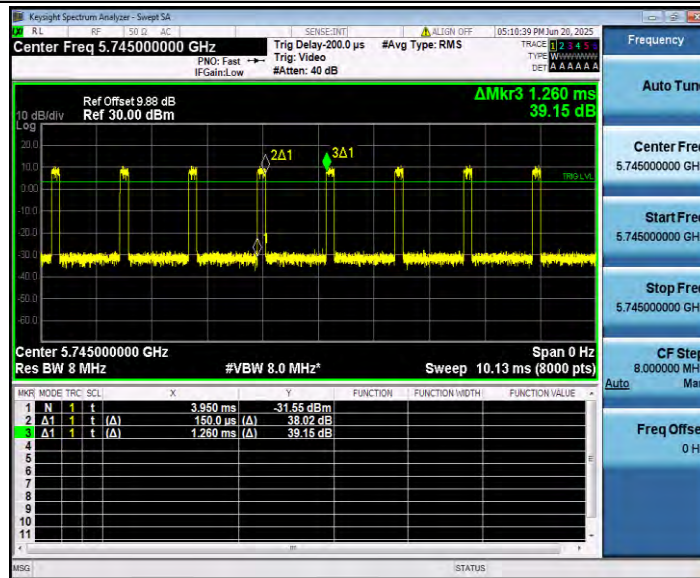
Appendix D.3: Duty Cycle

Test Result

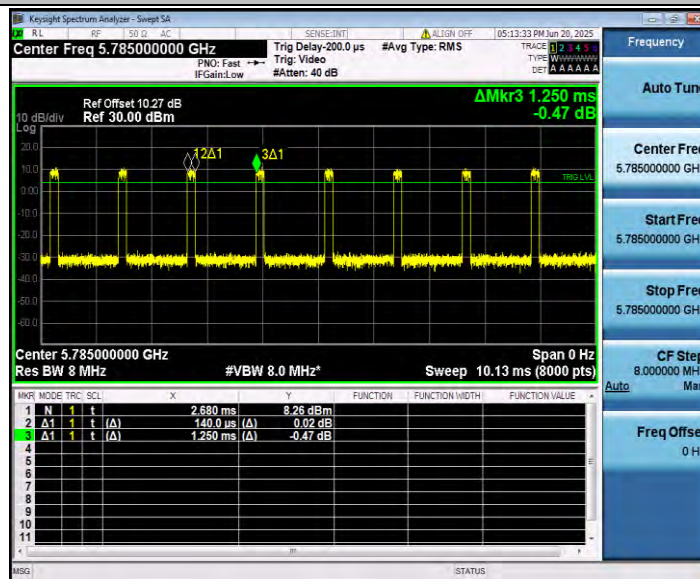
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	0.15	1.26	11.90	9.24	6.67
		5785	0.14	1.25	11.20	9.51	7.14
		5825	0.15	1.25	12.00	9.21	6.67
11N20SISO	Ant1	5745	0.17	1.28	13.28	8.77	5.88
		5785	0.16	1.27	12.60	9.00	6.25
		5825	0.17	1.28	13.28	8.77	5.88
11AC20SISO	Ant1	5745	0.18	1.28	14.06	8.52	5.56
		5785	0.17	1.27	13.39	8.73	5.88
		5825	0.17	1.27	13.39	8.73	5.88
11AX20SISO	Ant1	5745	0.27	2.67	10.11	9.95	3.70
		5785	0.27	2.67	10.11	9.95	3.70
		5825	0.27	2.67	10.11	9.95	3.70

Test Graphs

11A_Ant1_5745



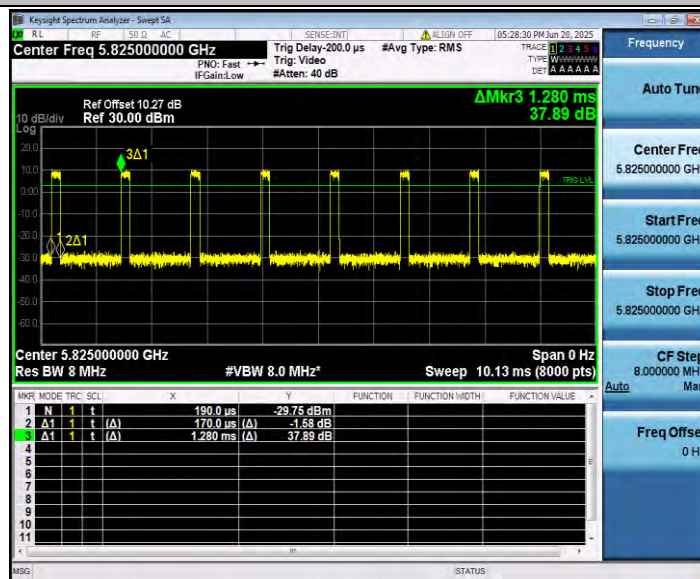
11A_Ant1_5785



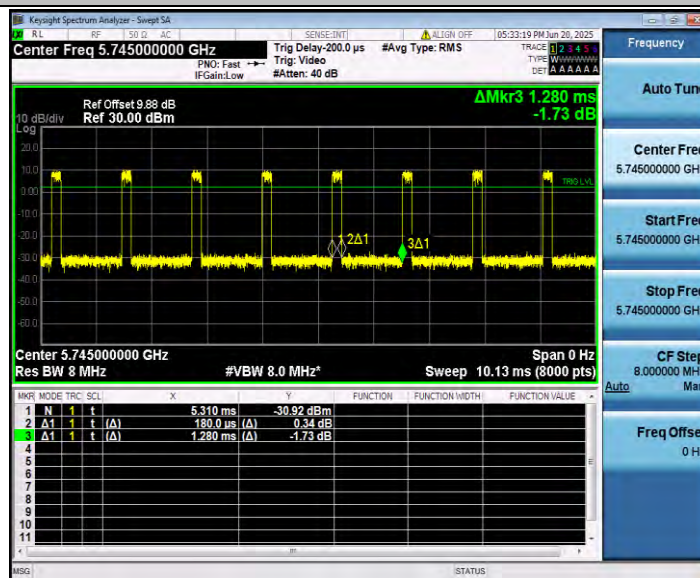
11A_Ant1_5825



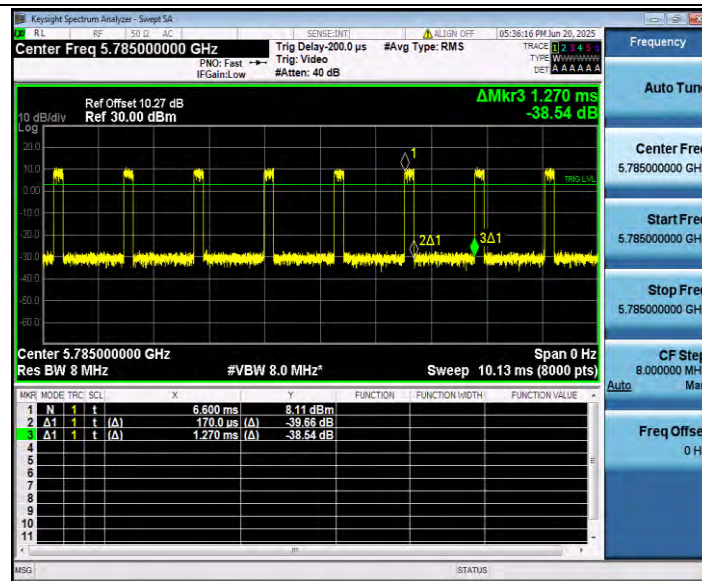
11N20SISO_Ant1_5825



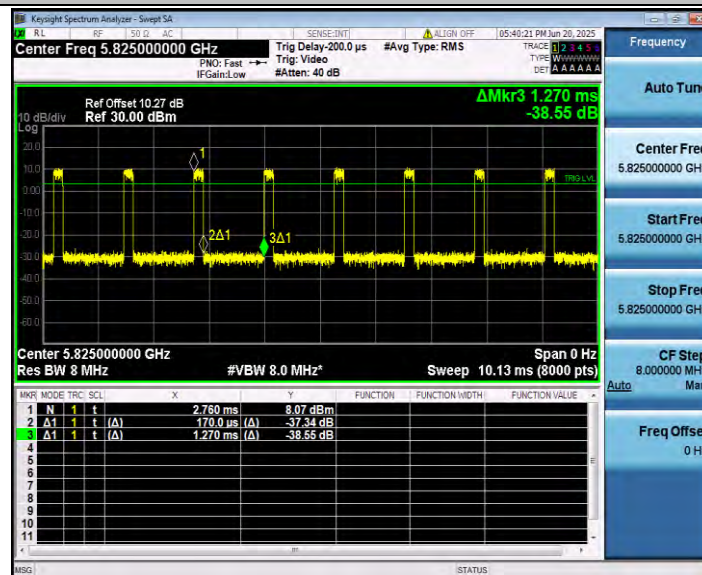
11AC20SISO_Ant1_5745



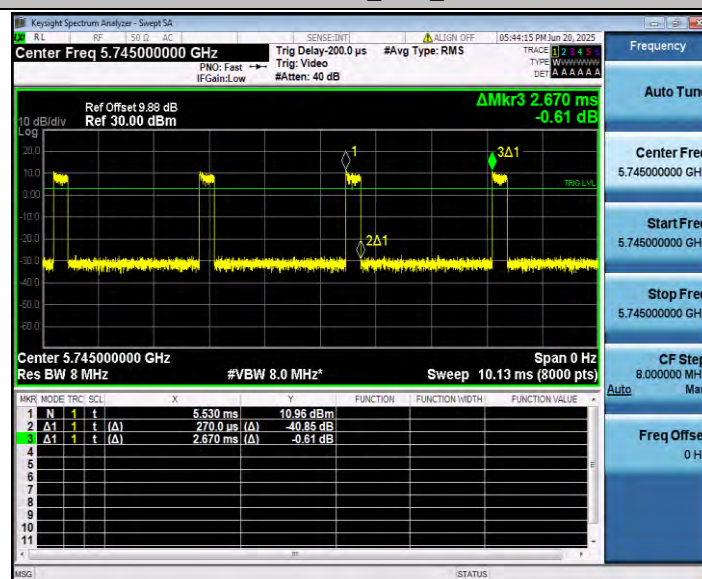
11AC20SISO_Ant1_5785



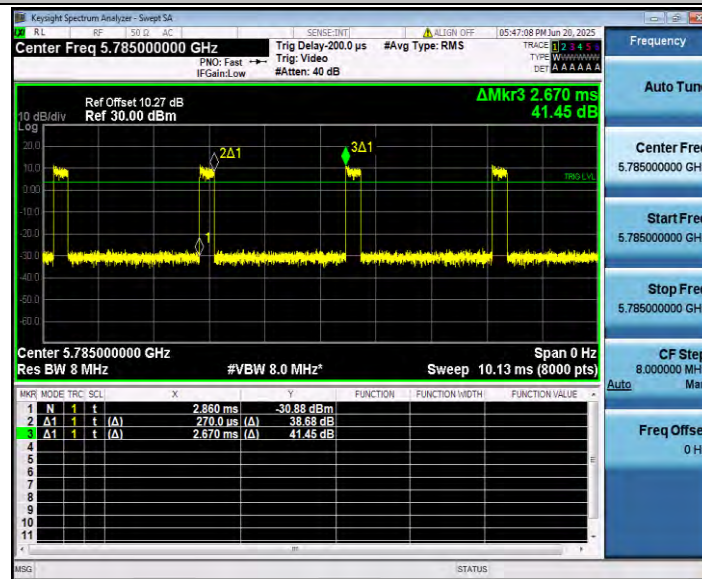
11AC20SISO_Ant1_5825



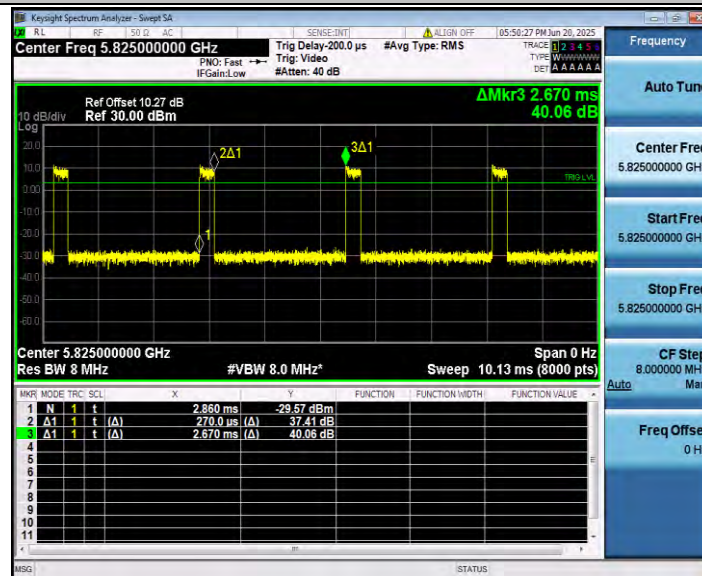
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



Appendix D.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	2.02	11.90	9.24	11.26	≤30.00	PASS
		5785	2.71	11.20	9.51	12.22	≤30.00	PASS
		5825	2.10	12.00	9.21	11.31	≤30.00	PASS
11N20SISO	Ant1	5745	2.20	13.28	8.77	10.97	≤30.00	PASS
		5785	2.84	12.60	9.00	11.84	≤30.00	PASS
		5825	2.68	13.28	8.77	11.45	≤30.00	PASS
11AC20SISO	Ant1	5745	2.41	14.06	8.52	10.93	≤30.00	PASS
		5785	2.79	13.39	8.73	11.52	≤30.00	PASS
		5825	2.49	13.39	8.73	11.22	≤30.00	PASS
11AX20SISO	Ant1	5745	0.98	10.11	9.95	10.93	≤30.00	PASS
		5785	1.23	10.11	9.95	11.18	≤30.00	PASS
		5825	1.89	10.11	9.95	11.84	≤30.00	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-1.12	≤30.00	PASS
		5785	-0.64	≤30.00	PASS
		5825	-0.99	≤30.00	PASS
11N20SISO	Ant1	5745	-1.41	≤30.00	PASS
		5785	-0.68	≤30.00	PASS
		5825	-1.01	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.51	≤30.00	PASS
		5785	-0.96	≤30.00	PASS
		5825	-1.04	≤30.00	PASS
11AX20SISO	Ant1	5745	1.79	≤30.00	PASS
		5785	2.17	≤30.00	PASS
		5825	2.19	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

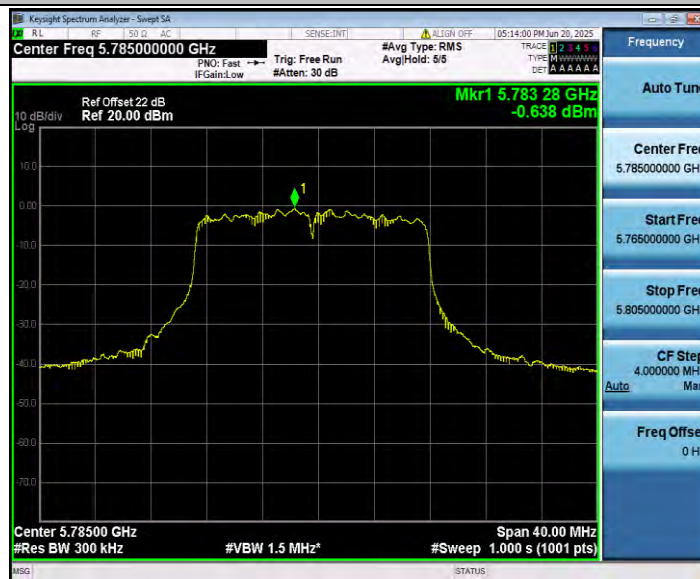
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

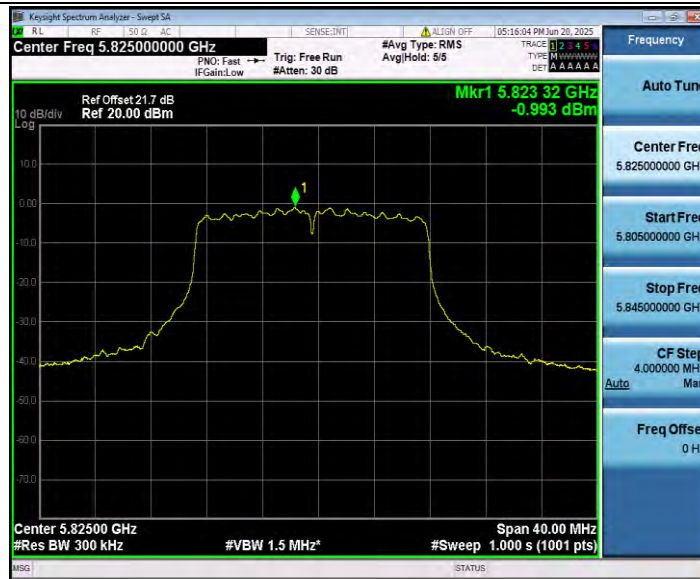
11A_Ant1_5745



11A_Ant1_5785



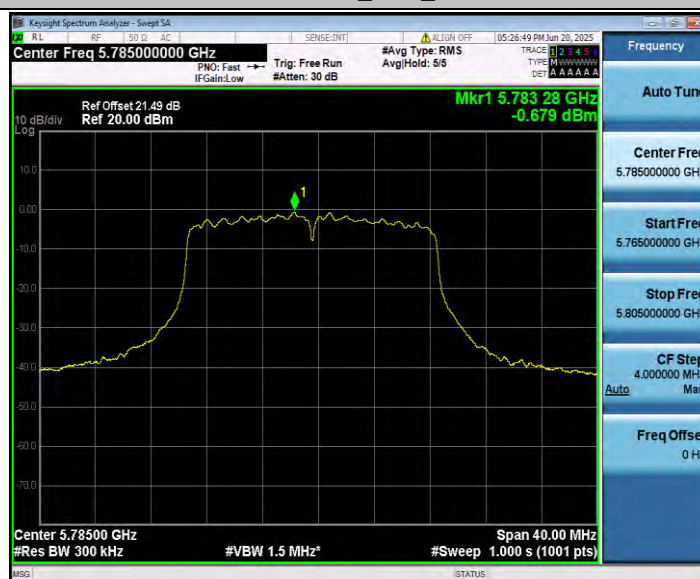
11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11AC20SISO_Ant1_5745



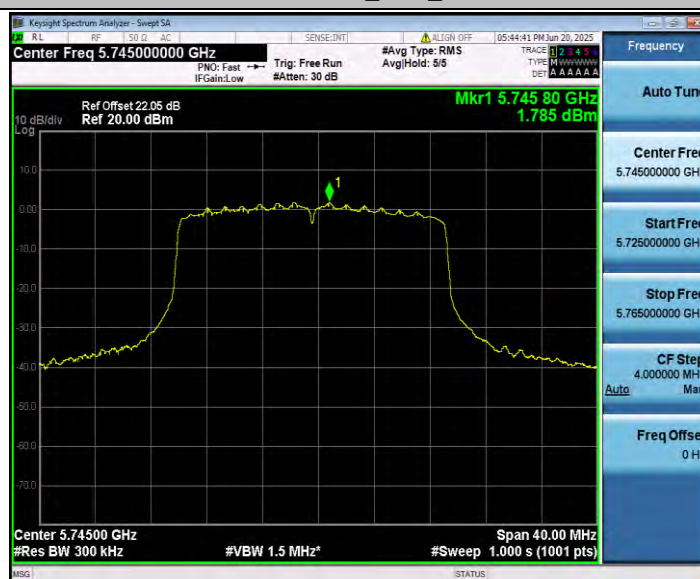
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



Appendix D.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	-40.86	≤-26.27	PASS
				5700~5720	-40.34	≤10.31	PASS
				5720~5725	-37.35	≤16.87	PASS
				5760~5650	-40.2	≤-27	PASS
		High	5825	5850~5855	-39.95	≤15.73	PASS
				5855~5875	-38.97	≤10.36	PASS
				5875~5925	-38.87	≤-26.91	PASS
				5925~5935	-38.57	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-40.07	≤-26.62	PASS
				5700~5720	-39	≤10.25	PASS
				5720~5725	-38	≤16.34	PASS
				5760~5650	-39.02	≤-27	PASS
		High	5825	5850~5855	-39.29	≤15.73	PASS
				5855~5875	-39.83	≤10.21	PASS
				5875~5925	-39.28	≤-26.41	PASS
				5925~5935	-38.69	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.24	≤-25.93	PASS
				5700~5720	-37.8	≤11.05	PASS
				5720~5725	-38.3	≤16.08	PASS
				5760~5650	-39.74	≤-27	PASS
		High	5825	5850~5855	-38.77	≤16.03	PASS
				5855~5875	-38.3	≤10.29	PASS
				5875~5925	-39.32	≤-26.61	PASS
				5925~5935	-38.67	≤-27	PASS
11AX20SI SO	Ant1	Low	5745	5650~5700	-40.92	≤-26.96	PASS
				5700~5720	-39.46	≤10.18	PASS
				5720~5725	-36.64	≤15.82	PASS
				5760~5650	-39.62	≤-27	PASS
		High	5825	5850~5855	-37.69	≤17.57	PASS
				5855~5875	-38.04	≤10.85	PASS
				5875~5925	-38.83	≤-26.71	PASS
				5925~5935	-38.48	≤-27	PASS

Test Graphs B4





11N20SISO_Ant1_High_5825



11AC20SISO_Ant1_Low_5745



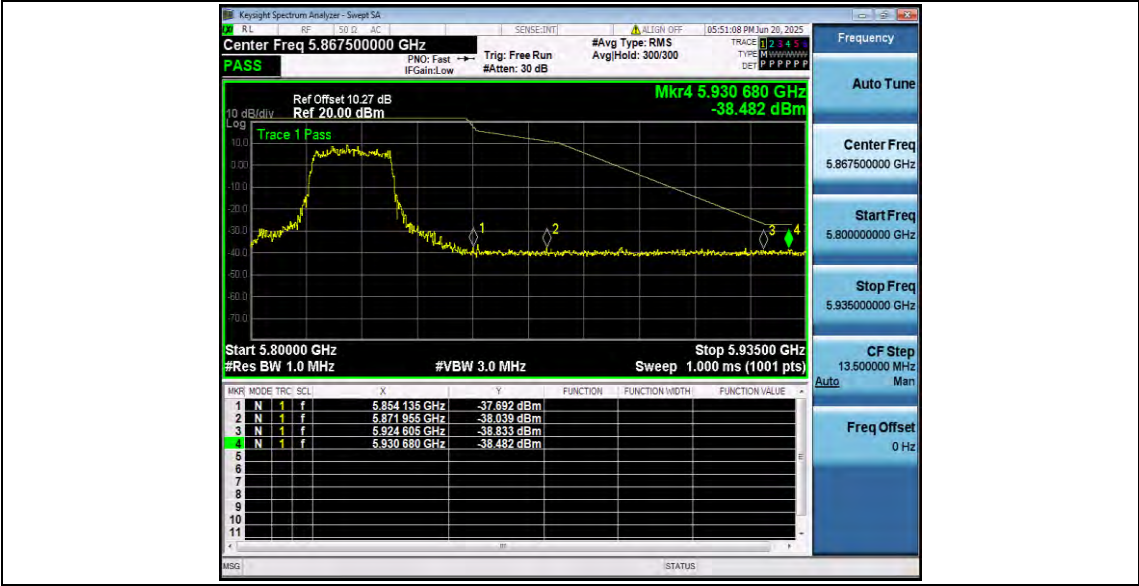
11AC20SISO_Ant1_High_5825



11AX20SISO_Ant1_Low_5745



11AX20SISO_Ant1_High_5825



Appendix D.7: Conducted Spurious Emission

Test Result

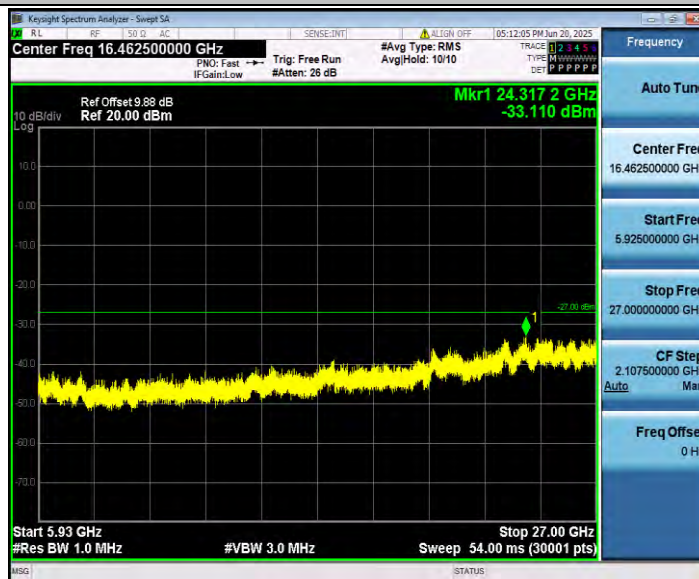
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3123.81	-40.58	≤-27	PASS
			5925~27000	24317.15	-33.11	≤-27	PASS
		5785	30~5650	5513.62	-40.01	≤-27	PASS
			5925~27000	24222.32	-31.82	≤-27	PASS
		5825	30~5650	2684.33	-40.22	≤-27	PASS
			5925~27000	24219.51	-32.41	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5461.73	-39.81	≤-27	PASS
			5925~27000	23585.15	-31.98	≤-27	PASS
		5785	30~5650	4940.01	-39.92	≤-27	PASS
			5925~27000	26116.26	-31.52	≤-27	PASS
		5825	30~5650	4943.94	-39.82	≤-27	PASS
			5925~27000	25646.28	-31.2	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5045.85	-40.07	≤-27	PASS
			5925~27000	26497.01	-31.86	≤-27	PASS
		5785	30~5650	5456.86	-39.25	≤-27	PASS
			5925~27000	24272.19	-31.31	≤-27	PASS
		5825	30~5650	5480.46	-39.38	≤-27	PASS
			5925~27000	24260.25	-31.87	≤-27	PASS
11AX20SISO	Ant1	5745	30~5650	5460.98	-40.9	≤-27	PASS
			5925~27000	26822.27	-32.51	≤-27	PASS
		5785	30~5650	5445.24	-39.14	≤-27	PASS
			5925~27000	26496.31	-31.91	≤-27	PASS
		5825	30~5650	5428.01	-40.2	≤-27	PASS
			5925~27000	24274.3	-31.28	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



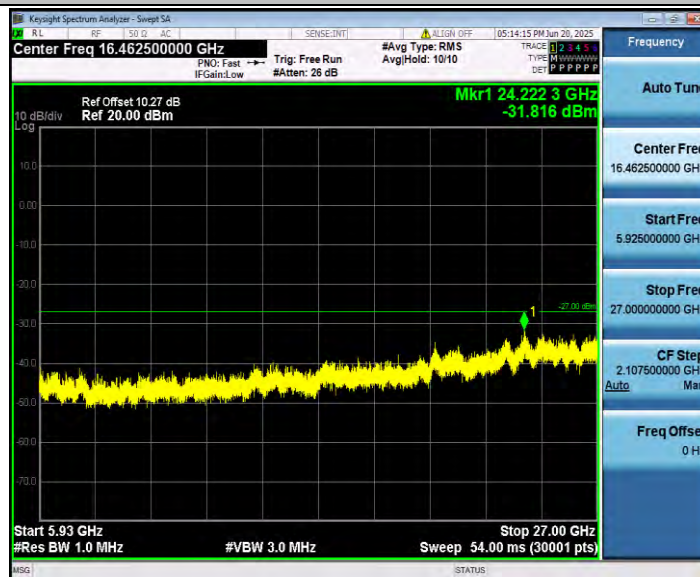
11A_Ant1_5745_5925~27000



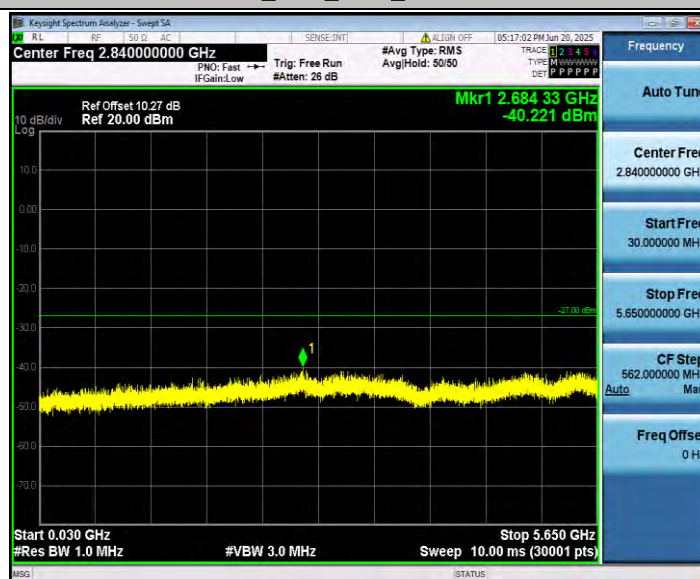
11A_Ant1_5785_30~5650



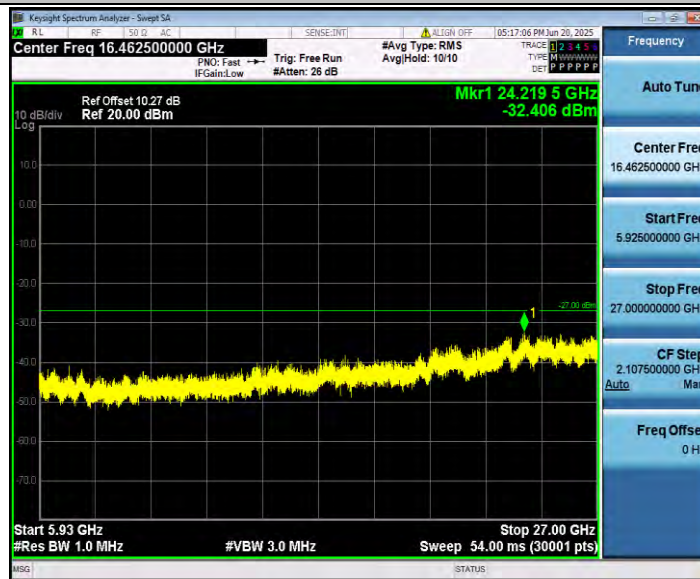
11A_Ant1_5785_5925~27000



11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~27000



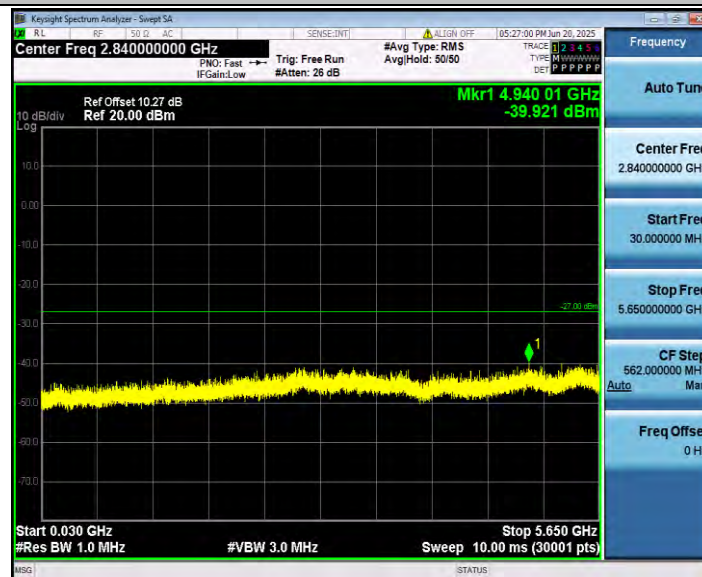
11N20SISO_Ant1_5745_30~5650



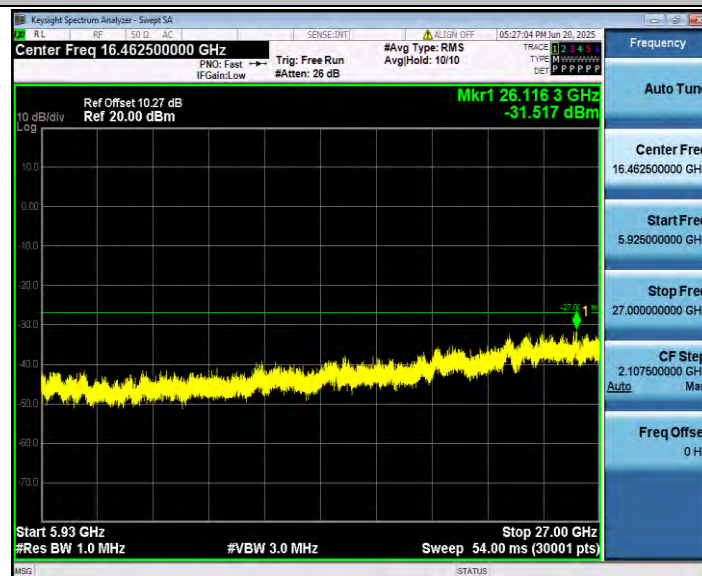
11N20SISO_Ant1_5745_5925~27000



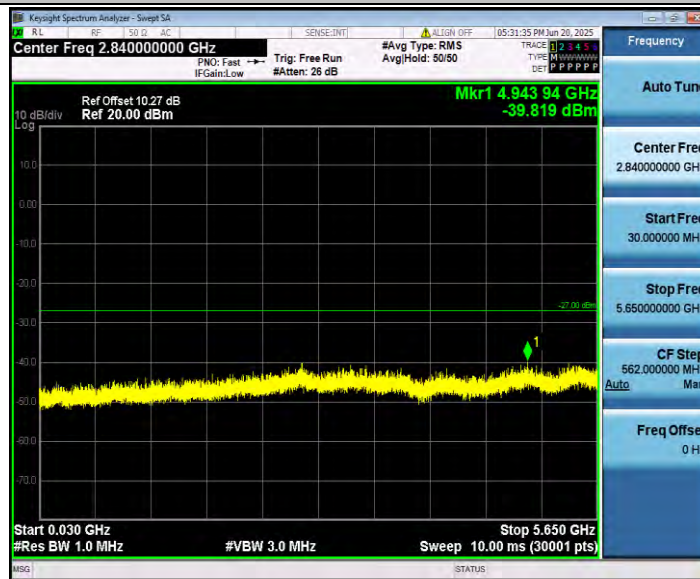
11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~27000



11N20SISO_Ant1_5825_30~5650



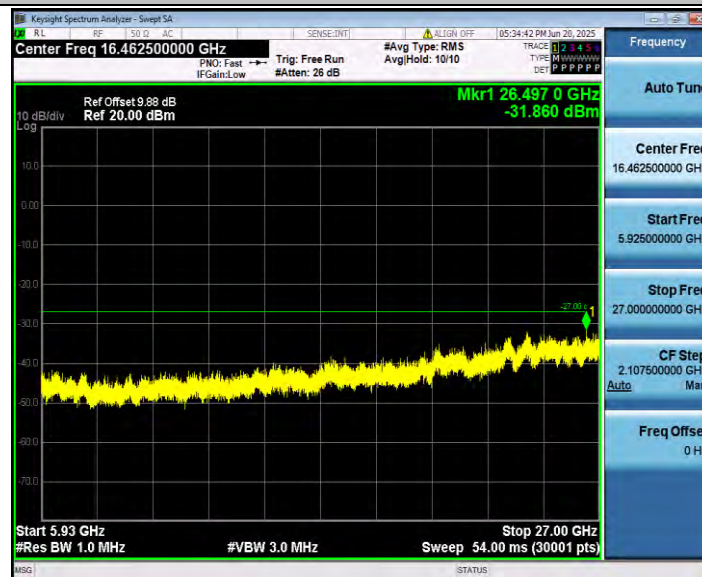
11N20SISO_Ant1_5825_5925~27000



11AC20SISO_Ant1_5745_30~5650



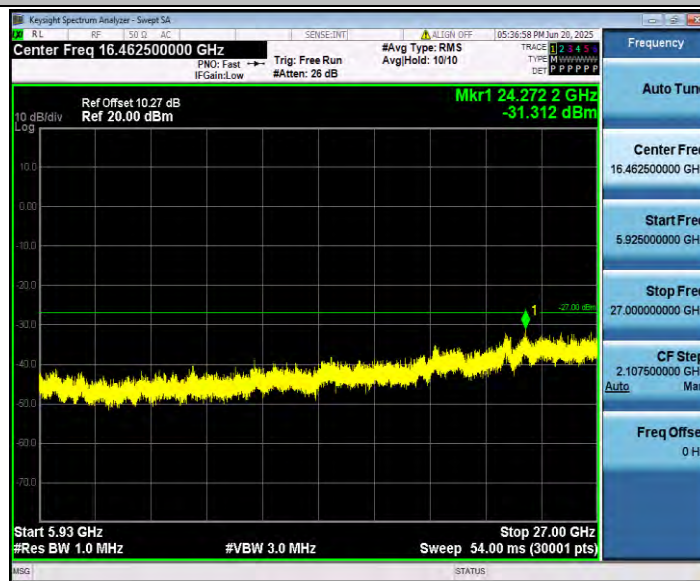
11AC20SISO_Ant1_5745_5925~27000



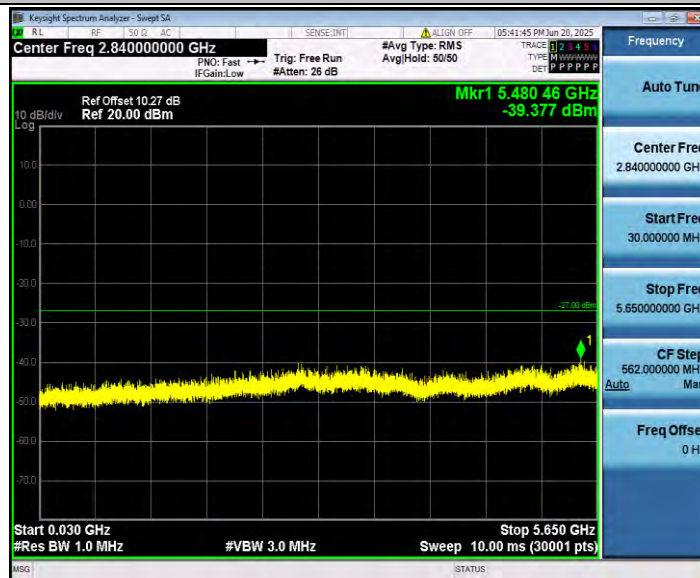
11AC20SISO_Ant1_5785_30~5650



11AC20SISO_Ant1_5785_5925~27000



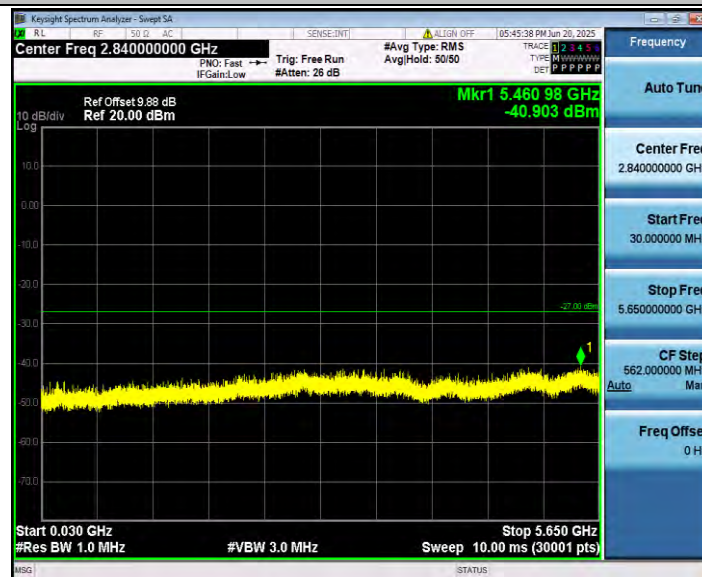
11AC20SISO_Ant1_5825_30~5650



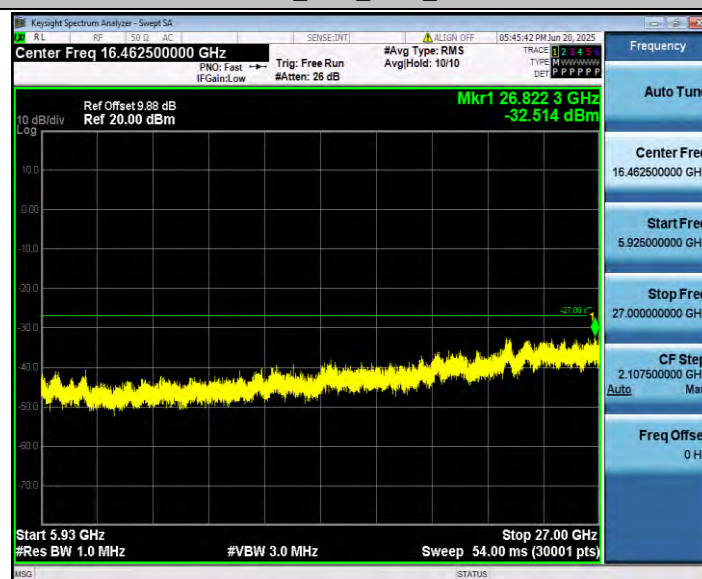
11AC20SISO_Ant1_5825_5925~27000



11AX20SISO_Ant1_5745_30~5650



11AX20SISO_Ant1_5745_5925~27000



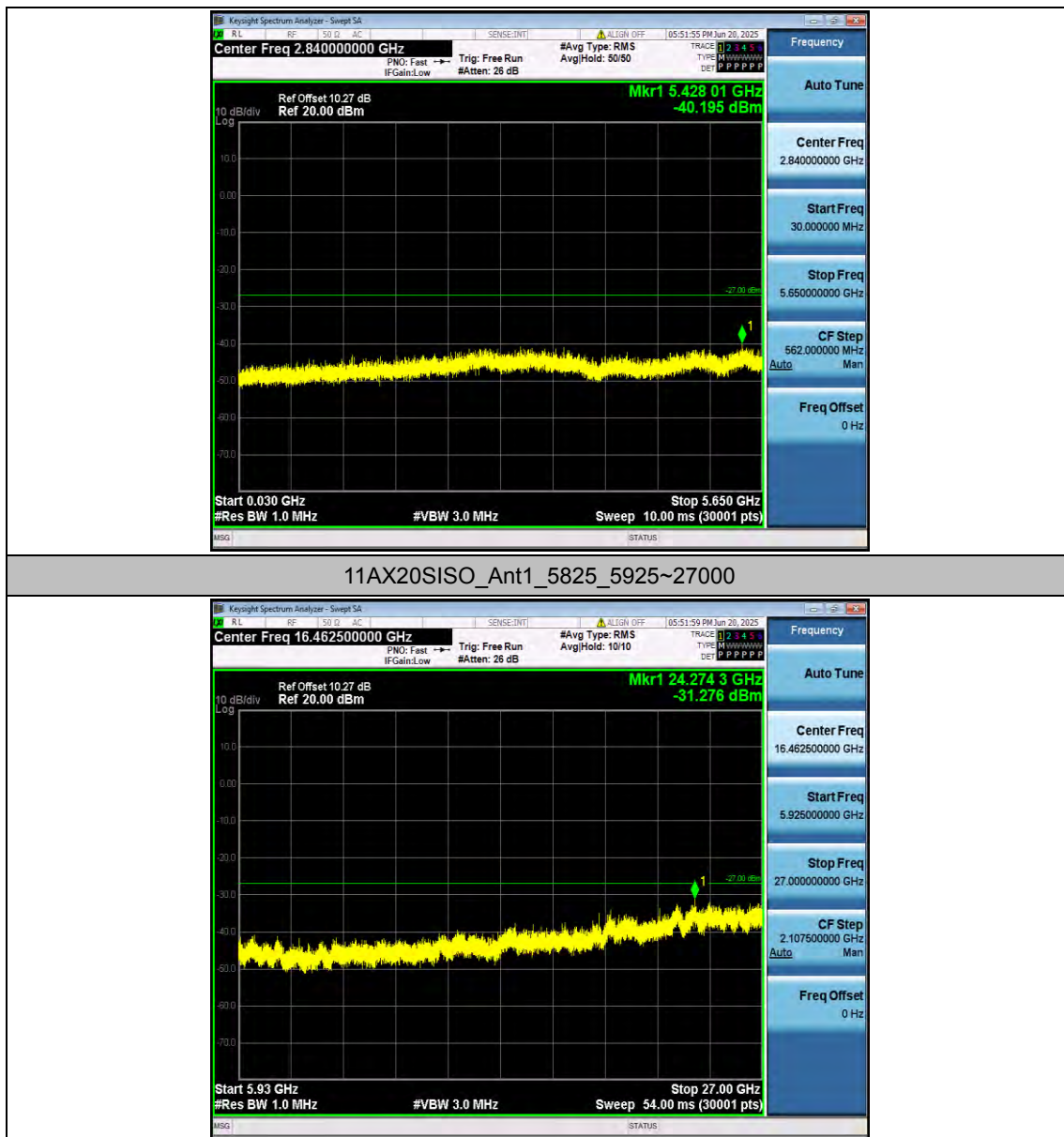
11AX20SISO_Ant1_5785_30~5650



11AX20SISO_Ant1_5785_5925~27000



11AX20SISO_Ant1_5825_30~5650



Appendix D.8: Emissions in Restricted Bands

Test Result

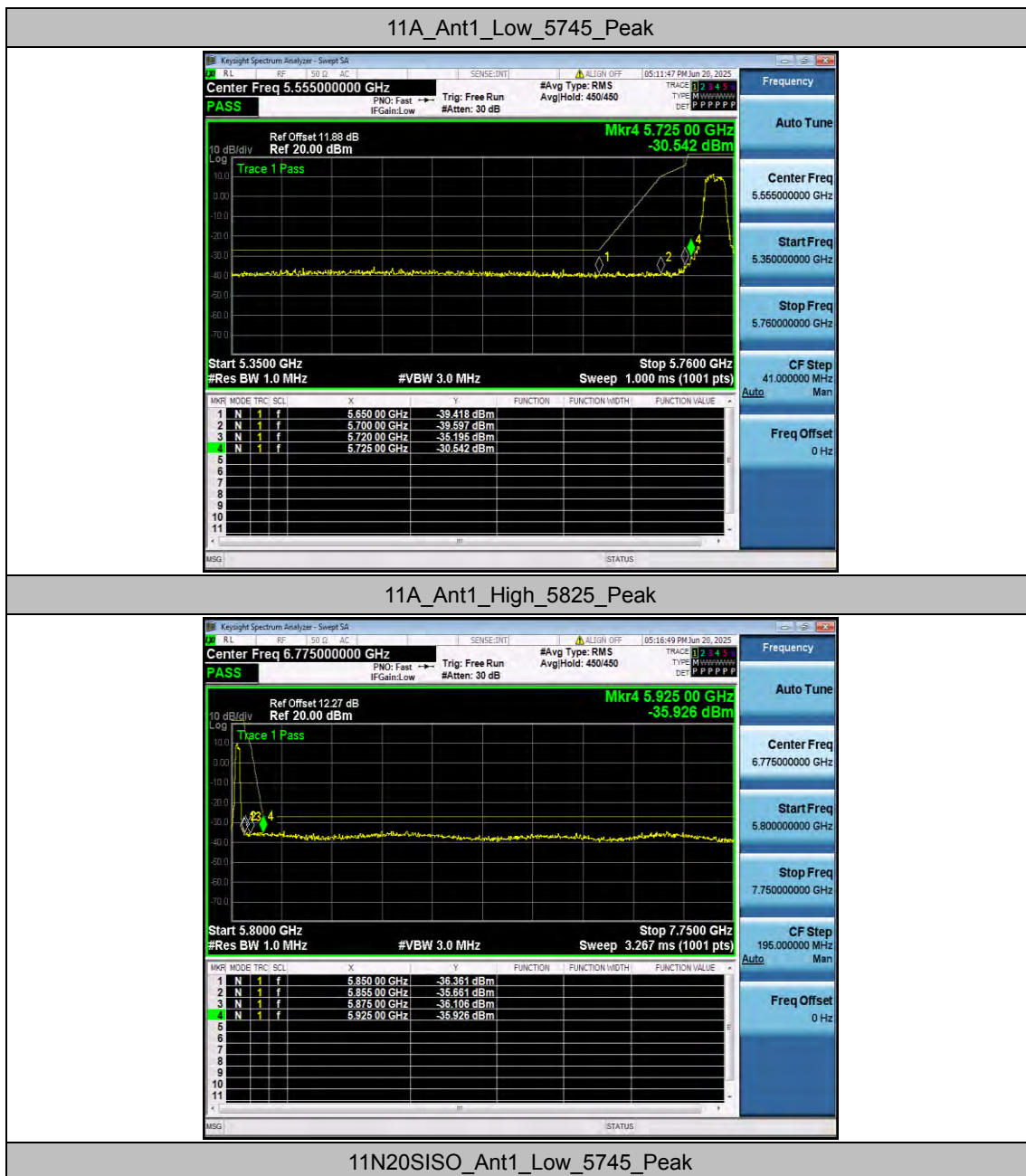
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-39.418	≤-27.00	---	---	PASS
				Peak	5700.000	-39.6	≤10.00	---	---	PASS
				Peak	5720.000	-35.2	≤15.60	---	---	PASS
				Peak	5725.000	-30.54	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-36.361	≤27.00	---	---	PASS
				Peak	5855.000	-35.66	≤15.60	---	---	PASS
				Peak	5875.000	-36.11	≤10.00	---	---	PASS
				Peak	5925.000	-35.93	≤-27.00	---	---	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-40.176	≤-27.00	---	---	PASS
				Peak	5700.000	-39.32	≤10.00	---	---	PASS
				Peak	5720.000	-32.65	≤15.60	---	---	PASS
				Peak	5725.000	-31.91	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-34.26	≤27.00	---	---	PASS
				Peak	5855.000	-34.85	≤15.60	---	---	PASS
				Peak	5875.000	-36.2	≤10.00	---	---	PASS
				Peak	5925.000	-36.47	≤-27.00	---	---	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-39.482	≤-27.00	---	---	PASS
				Peak	5700.000	-37.33	≤10.00	---	---	PASS
				Peak	5720.000	-34.04	≤15.60	---	---	PASS
				Peak	5725.000	-31.85	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-35.086	≤27.00	---	---	PASS
				Peak	5855.000	-35.86	≤15.60	---	---	PASS
				Peak	5875.000	-34.77	≤10.00	---	---	PASS
				Peak	5925.000	-34.96	≤-27.00	---	---	PASS
11AX20SISO	Ant1	Low	5745	Peak	5650.000	-39.44	≤-27.00	---	---	PASS
				Peak	5700.000	-39.42	≤10.00	---	---	PASS
				Peak	5720.000	-33.75	≤15.60	---	---	PASS
				Peak	5725.000	-30.48	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-35.54	≤27.00	---	---	PASS
				Peak	5855.000	-35.59	≤15.60	---	---	PASS

				Peak	5875.000	-36.15	≤ 10.00	---	---	PASS
				Peak	5925.000	-36.12	≤ -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

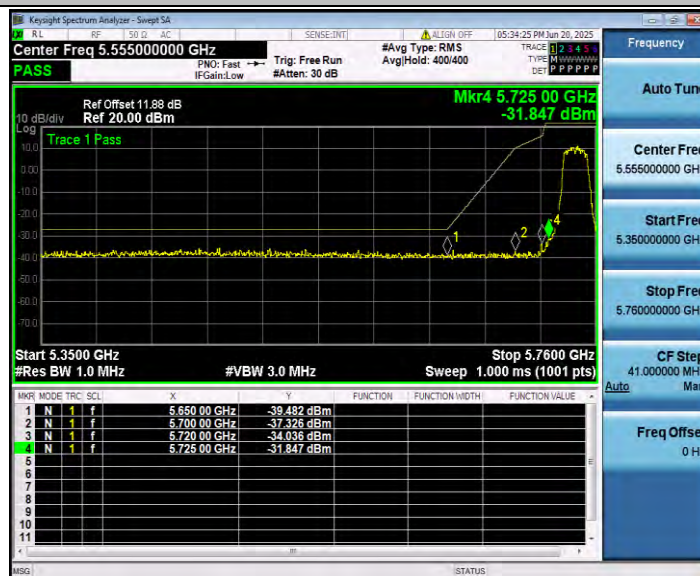




11N20SISO_Ant1_High_5825_Peak



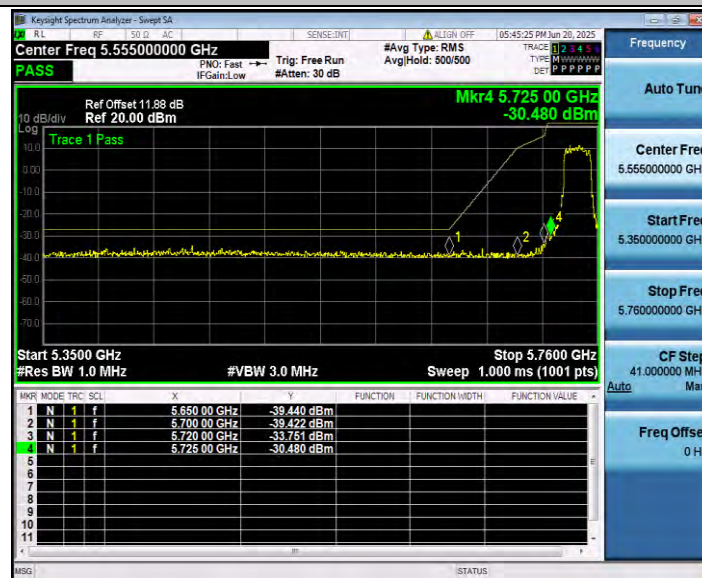
11AC20SISO_Ant1_Low_5745_Peak



11AC20SISO_Ant1_High_5825_Peak



11AX20SISO_Ant1_Low_5745_Peak



11AX20SISO_Ant1_High_5825_Peak

