

Case No. : <u>GTS20250325005-4-04</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.4.9</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	19.400	5250.160	5269.560	---	---
		5280	22.560	5269.600	5292.160	---	---
		5320	22.200	5309.920	5332.120	---	---
11N20SISO	Ant1	5260	20.320	5249.760	5270.080	---	---
		5280	20.520	5269.760	5290.280	---	---
		5320	20.560	5309.760	5330.320	---	---

Test Graphs

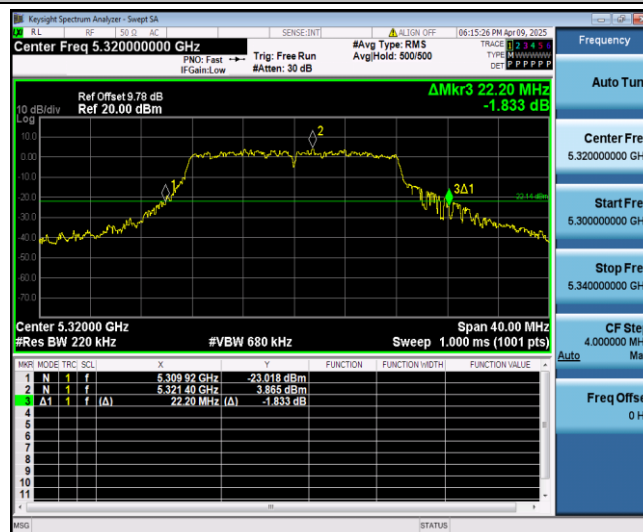
11A_Ant1_5260



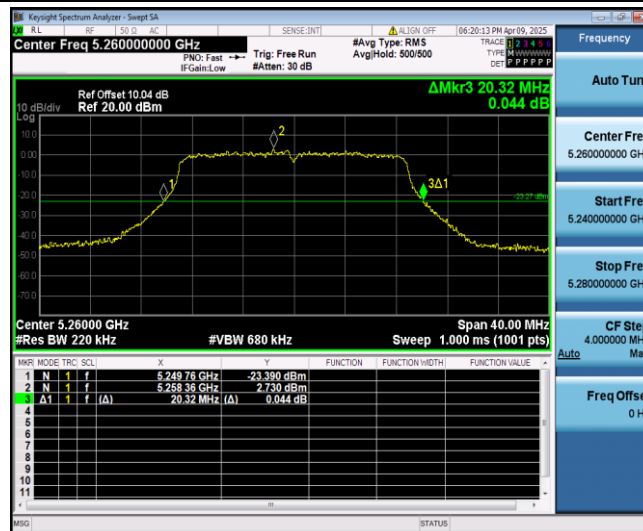
11A_Ant1_5280



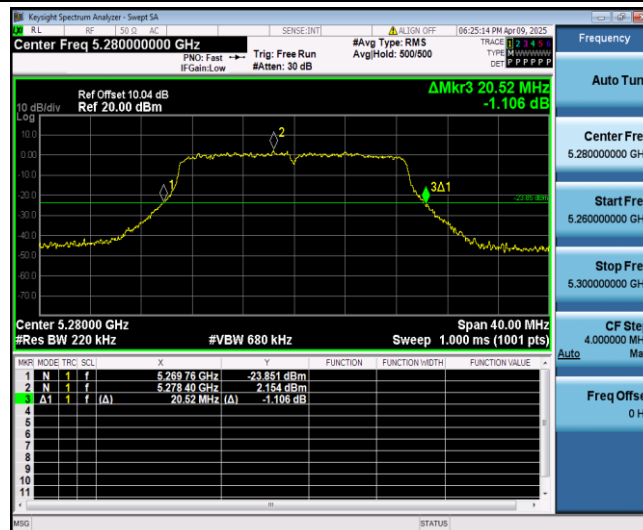
11A_Ant1_5320



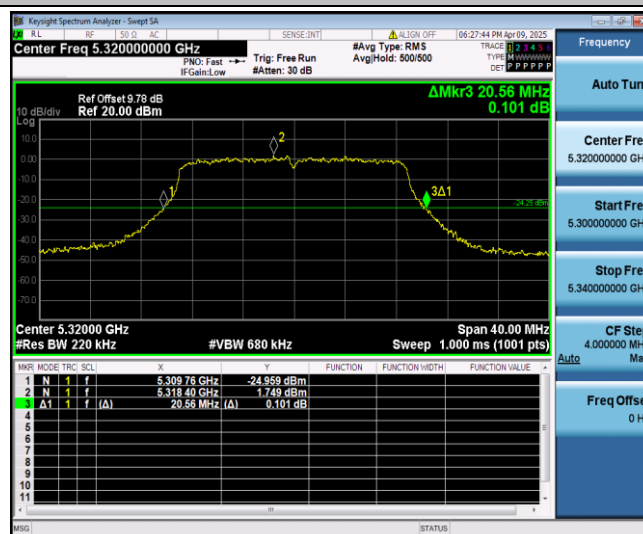
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



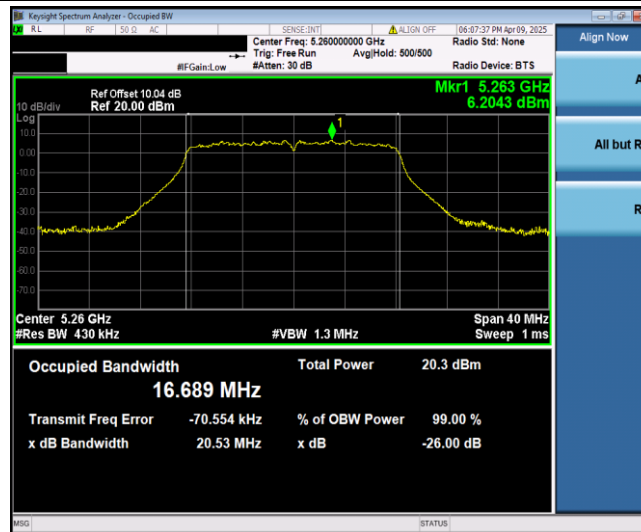
Appendix D.2: Occupied channel bandwidth

Test Result

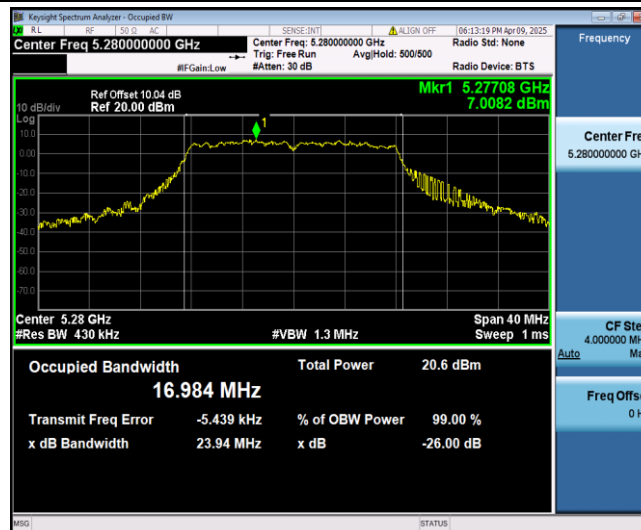
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	16.682	5251.5885	5268.2705	---	---
		5280	16.984	5271.5026	5288.4866	---	---
		5320	16.956	5311.4801	5328.4361	---	---
11N20SISO	Ant1	5260	17.741	5251.0633	5268.8043	---	---
		5280	17.792	5271.0167	5288.8087	---	---
		5320	17.754	5311.0596	5328.8136	---	---

Test Graphs

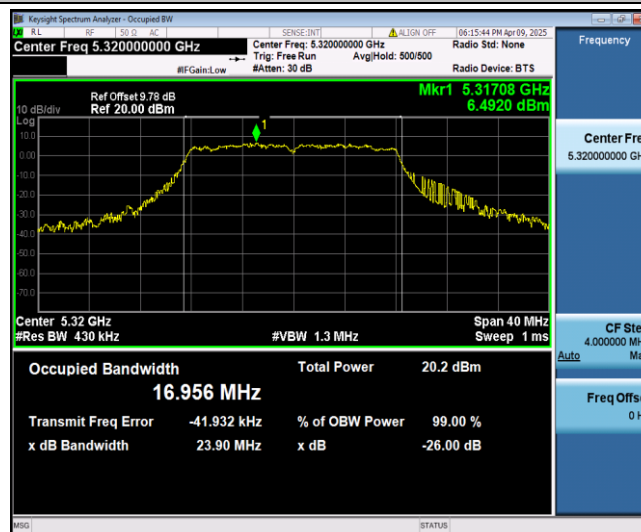
11A_Ant1_5260



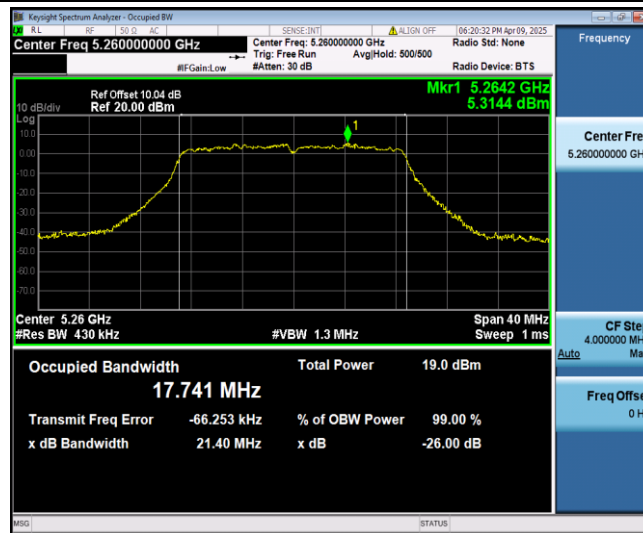
11A_Ant1_5280



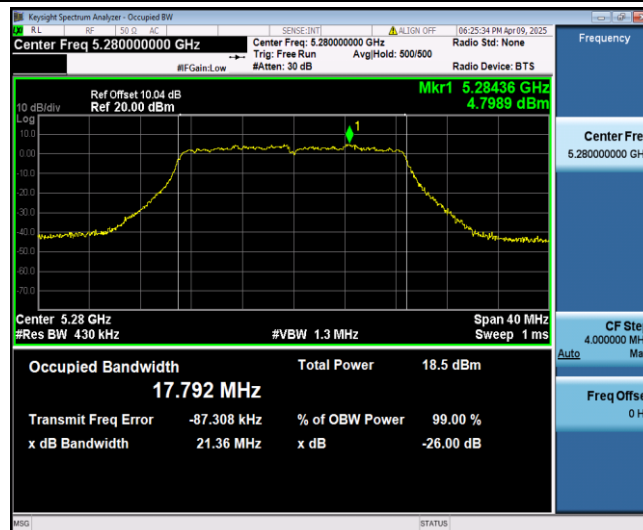
11A_Ant1_5320



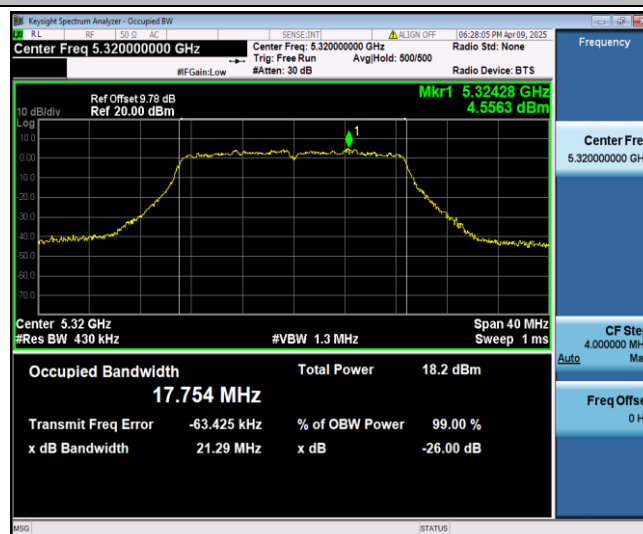
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



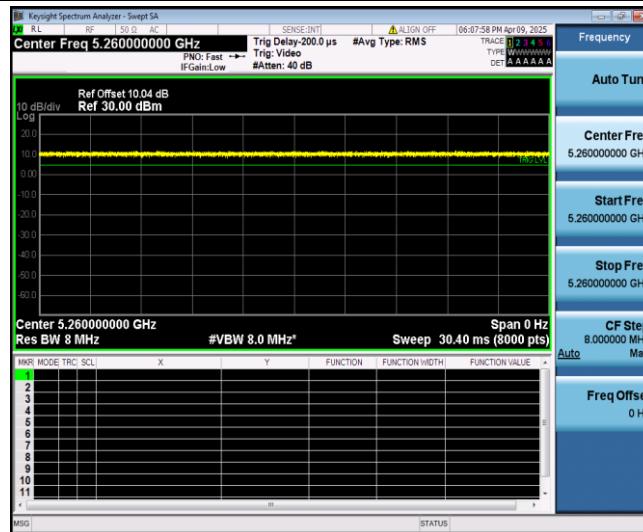
Appendix D.3: Duty Cycle

Test Result

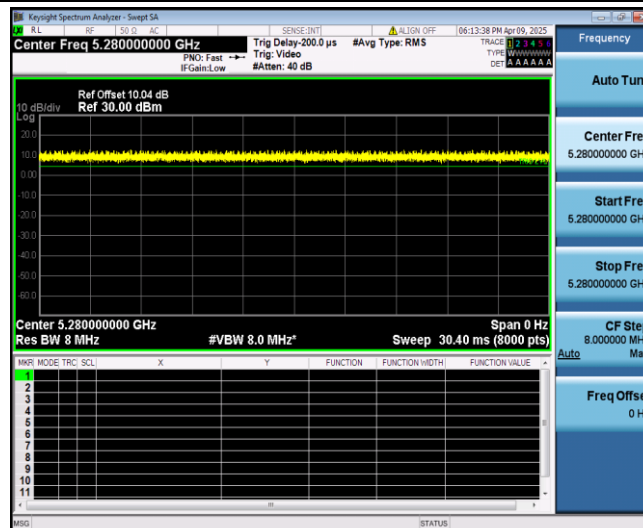
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	30.00	30.00	100.00	0.00	0.03
		5280	30.00	30.00	100.00	0.00	0.03
		5320	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5260	30.00	30.00	100.00	0.00	0.03
		5280	30.00	30.00	100.00	0.00	0.03
		5320	30.00	30.00	100.00	0.00	0.03

Test Graphs

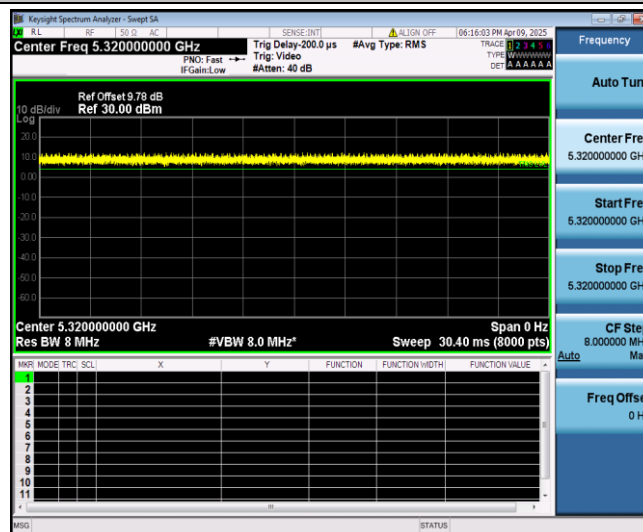
11A_Ant1_5260



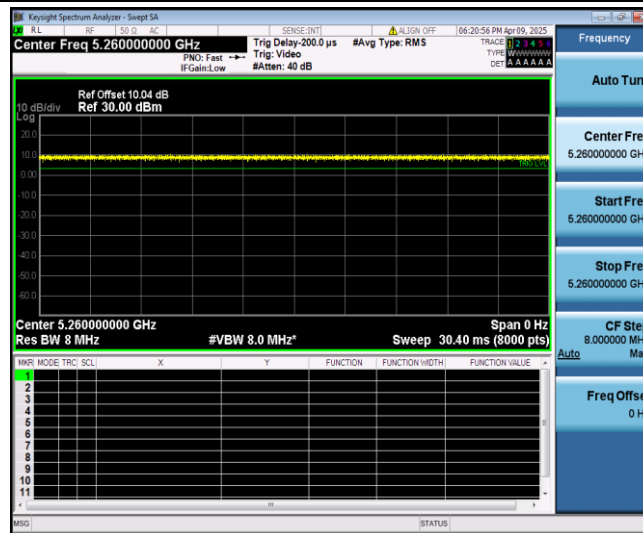
11A_Ant1_5280



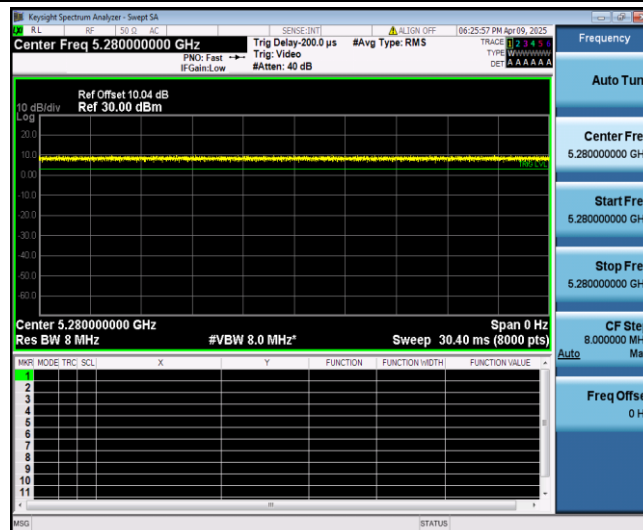
11A_Ant1_5320



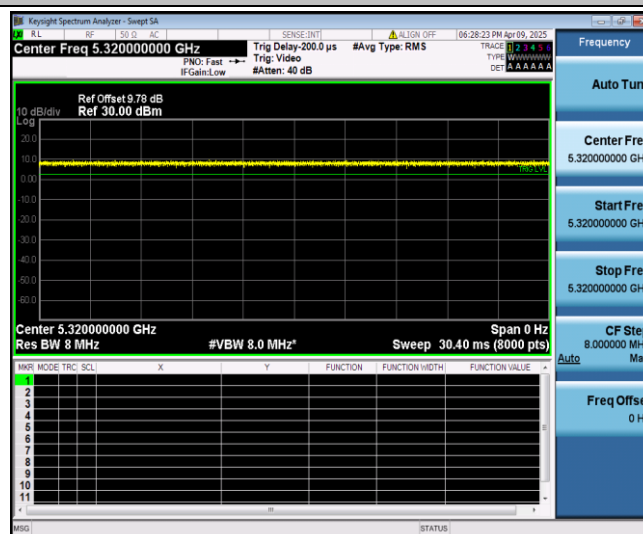
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



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	5260	17.14	100.00	0.00	17.14	≤23.41	PASS
		5280	17.35	100.00	0.00	17.35	≤23.41	PASS
		5320	17.88	100.00	0.00	17.88	≤23.41	PASS
11N20SISO	Ant1	5260	17.91	100.00	0.00	17.91	≤23.41	PASS
		5280	17.43	100.00	0.00	17.43	≤23.41	PASS
		5320	17.08	100.00	0.00	17.08	≤23.41	PASS

Appendix D.5: Maximum power spectral density

Test Result

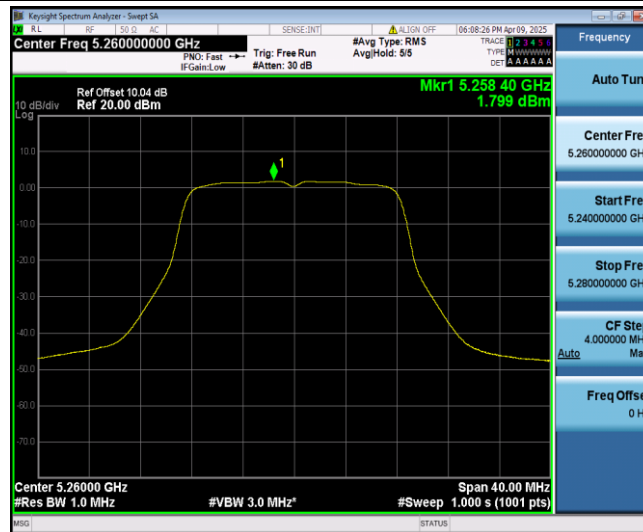
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	1.80	≤ 10.53	PASS
		5280	1.48	≤ 10.53	PASS
		5320	0.85	≤ 10.53	PASS
11N20SISO	Ant1	5260	0.37	≤ 10.53	PASS
		5280	-0.10	≤ 10.53	PASS
		5320	-0.49	≤ 10.53	PASS

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

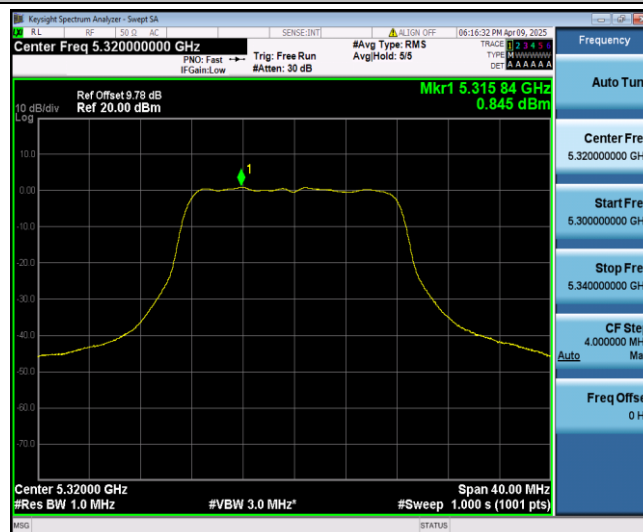
11A_Ant1_5260



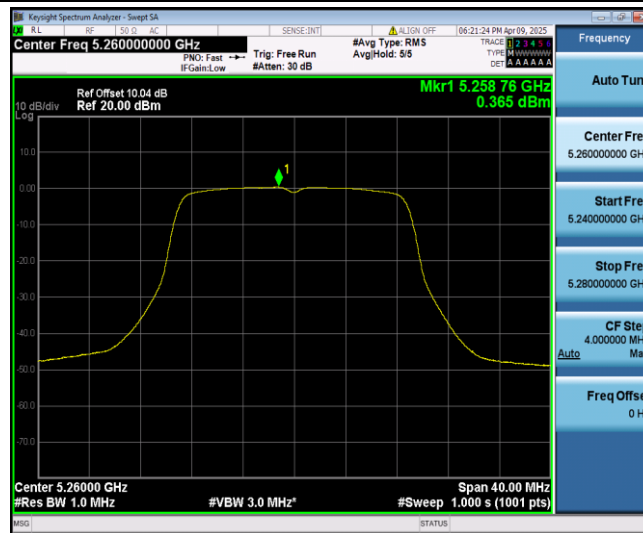
11A_Ant1_5280



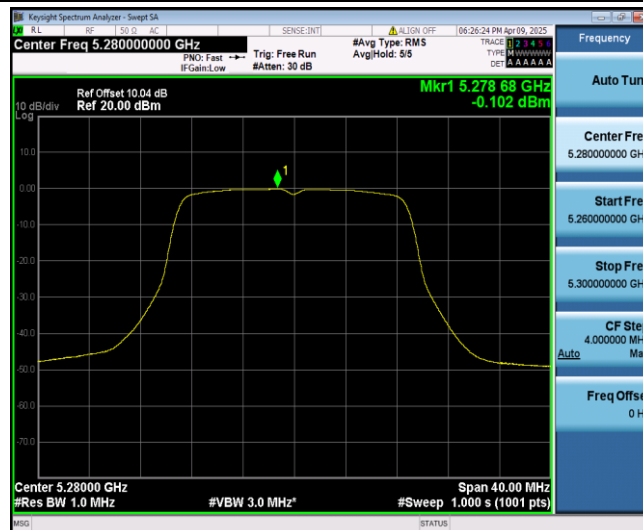
11A_Ant1_5320



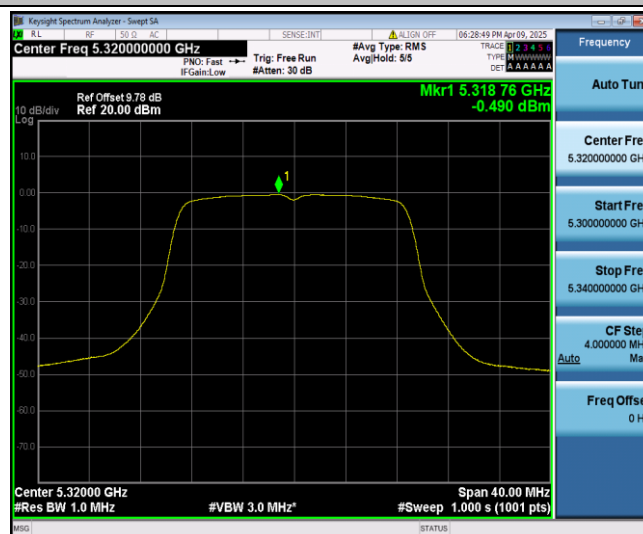
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



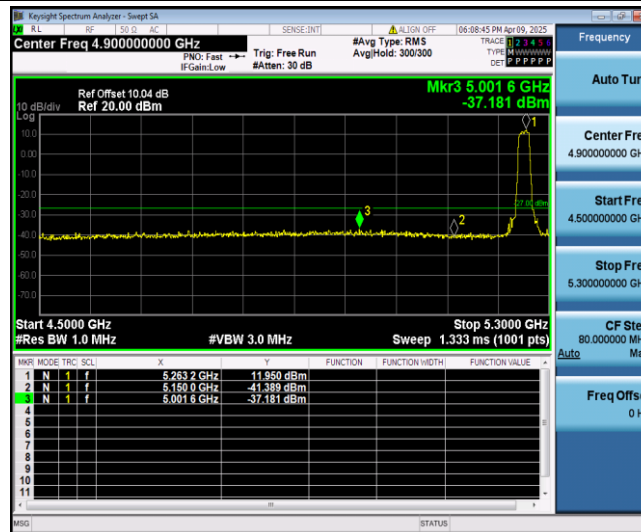
Appendix D.6: Band edge measurements

Test Result B2

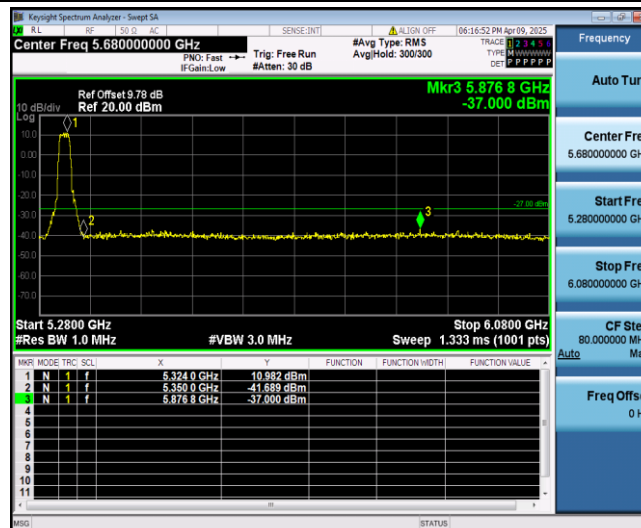
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-37.18	≤ -27	PASS
		High	5320	-37	≤ -27	PASS
11N20SISO	Ant1	Low	5260	-36.4	≤ -27	PASS
		High	5320	-37.49	≤ -27	PASS

Test Graphs B2

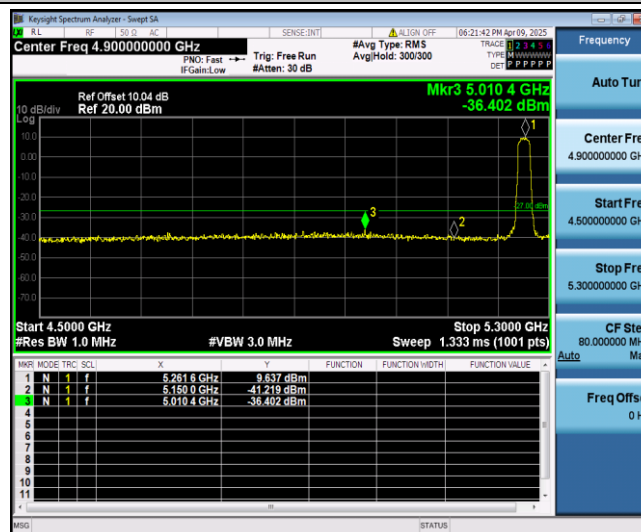
11A_Ant1_Low_5260

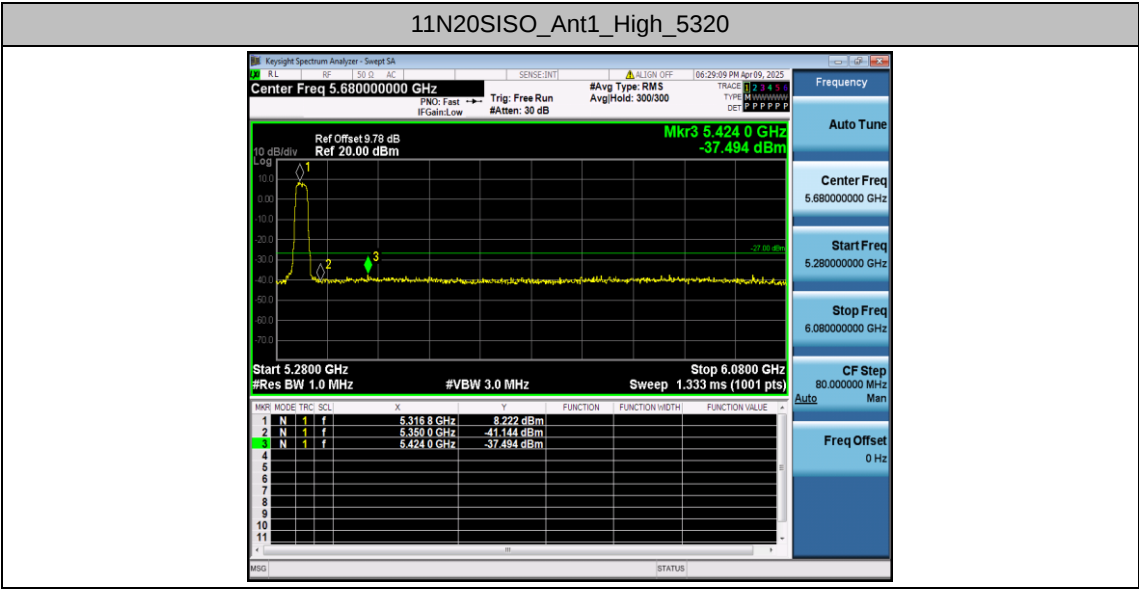


11A_Ant1_High_5320



11N20SISO_Ant1_Low_5260





Appendix D.7: Conducted Spurious Emission

Test Result

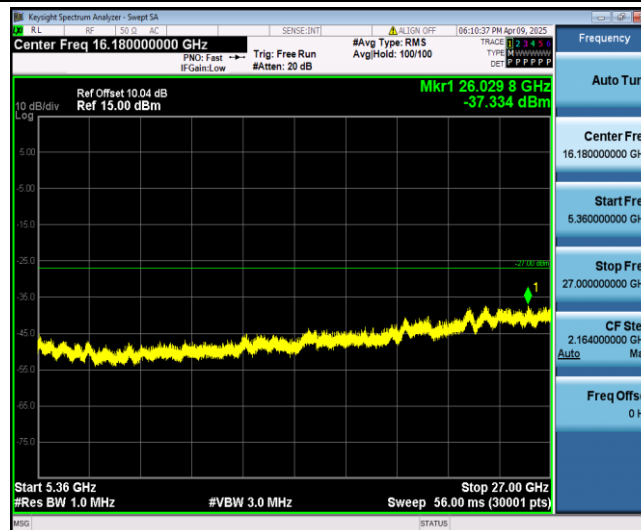
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	2521.98	-45.24	≤-27	PASS
			5360~27000	26029.81	-37.33	≤-27	PASS
		5280	30~5140	2603.23	-36.57	≤-27	PASS
			5360~27000	25228.41	-36.15	≤-27	PASS
		5320	30~5140	3280.81	-46.78	≤-27	PASS
			5360~27000	24223.59	-36.58	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	3259.52	-46.12	≤-27	PASS
			5360~27000	24288.51	-36.85	≤-27	PASS
		5280	30~5140	3581.11	-45.64	≤-27	PASS
			5360~27000	26030.53	-37.03	≤-27	PASS
		5320	30~5140	2590.96	-40.66	≤-27	PASS
			5360~27000	25047.35	-37.63	≤-27	PASS

Test Graphs

11A_Ant1_5260_30-5140



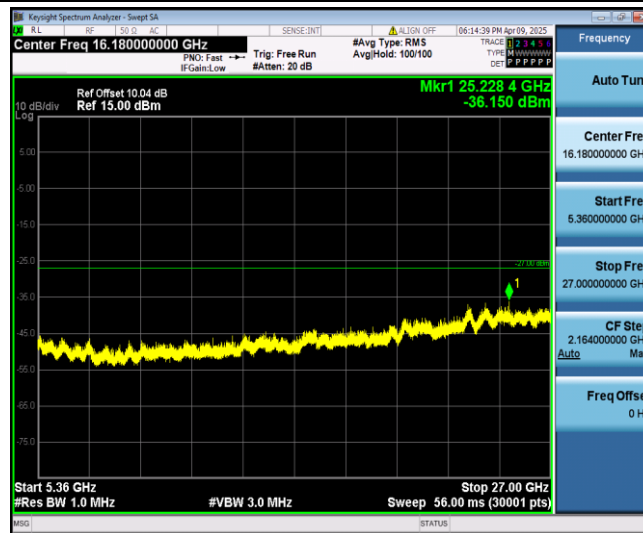
11A_Ant1_5260_5360-27000



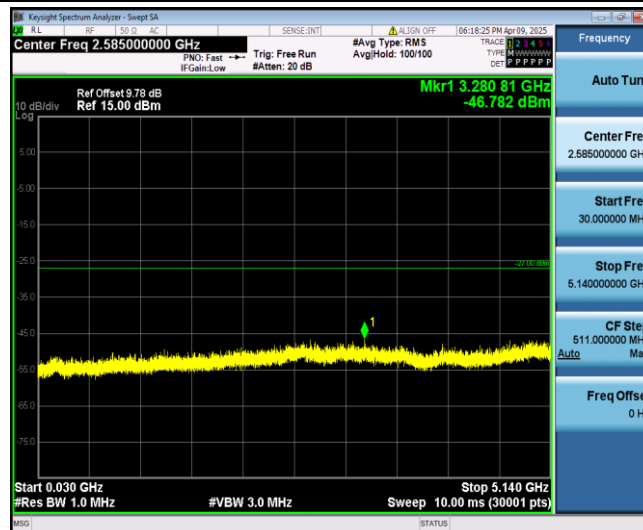
11A_Ant1_5280_30-5140



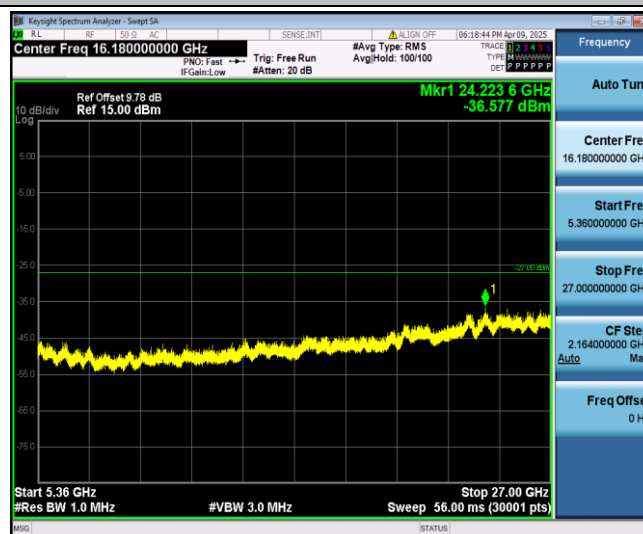
11A_Ant1_5280_5360-27000



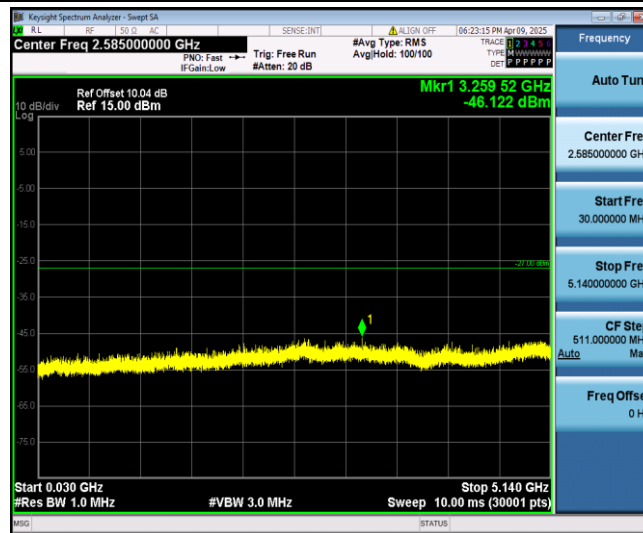
11A_Ant1_5320_30~5140



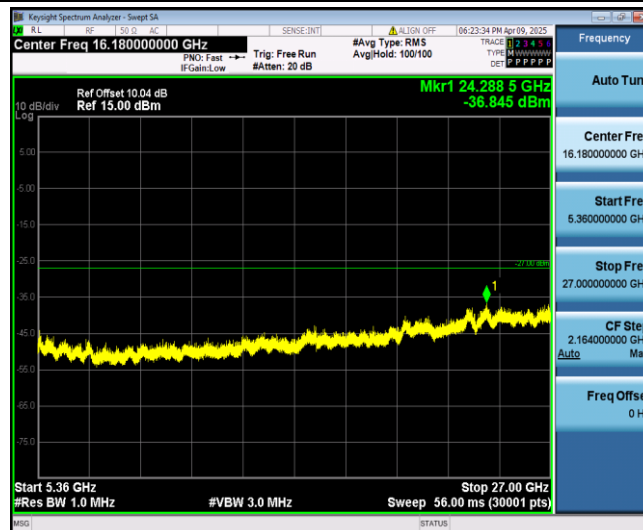
11A_Ant1_5320_5360~27000



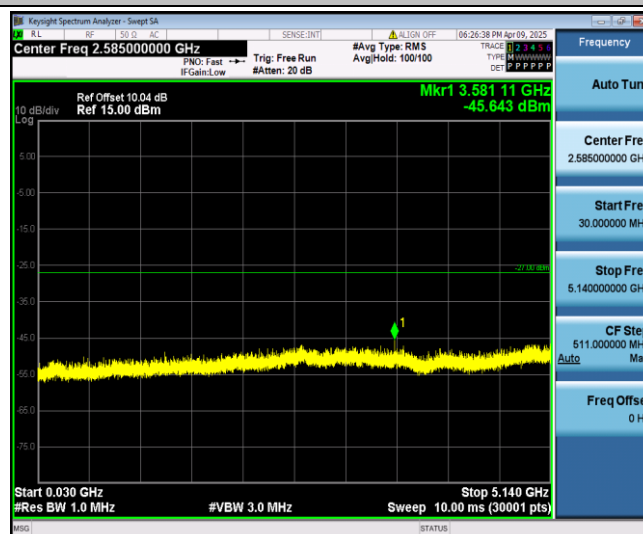
11N20SISO_Ant1_5260_30~5140



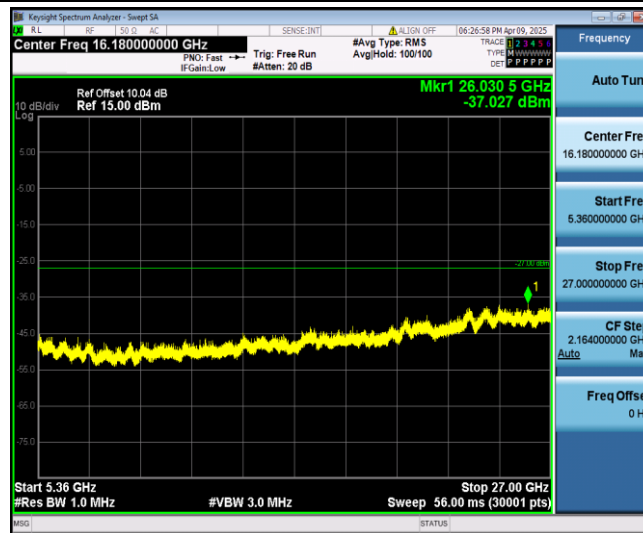
11N20SISO_Ant1_5260_5360~27000



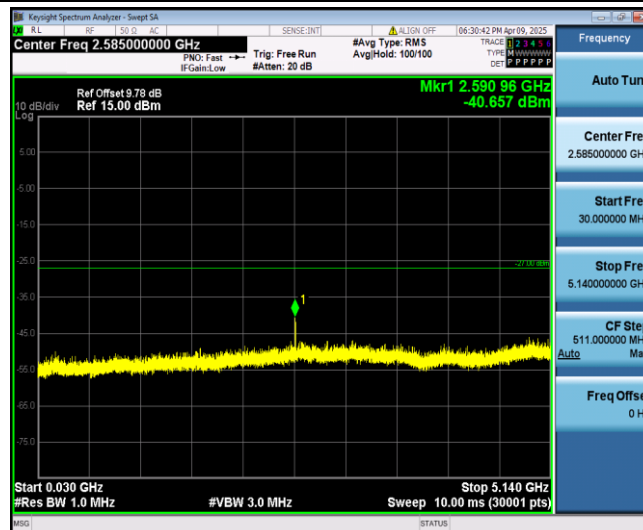
11N20SISO_Ant1_5280_30~5140



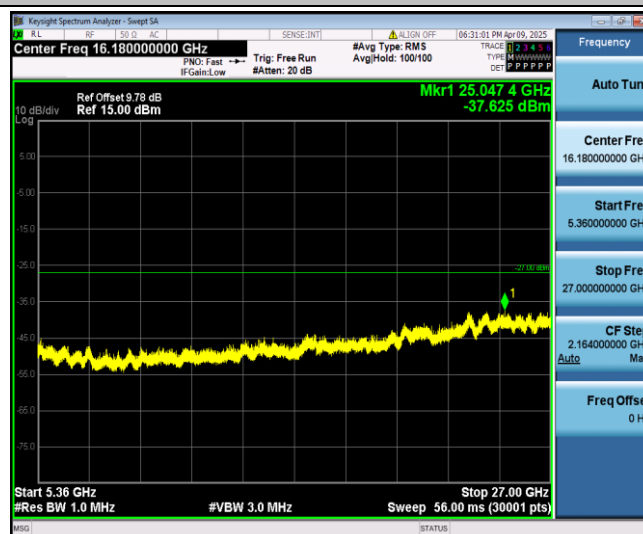
11N20SISO_Ant1_5280_5360~27000



11N20SISO_Ant1_5320_30~5140



11N20SISO_Ant1_5320_5360~27000



Appendix D.8: Emissions in Restricted Bands

Test Result

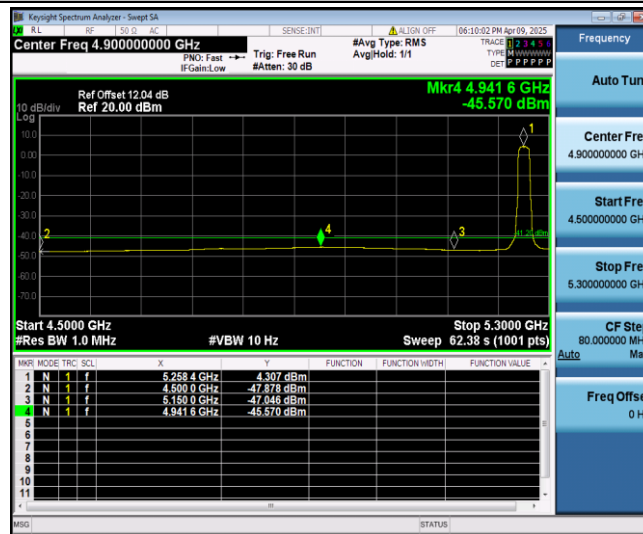
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5260	AV	4500.000	-47.88	≤-41.20	47.32	≤54	PASS
				AV	4941.600	-45.57	≤-41.20	49.63	≤54	PASS
				AV	5150.000	-47.05	≤-41.20	48.15	≤54	PASS
				Peak	4500.000	-42.95	≤-21.20	52.25	≤74	PASS
				Peak	5127.200	-37.72	≤-21.20	57.48	≤74	PASS
				Peak	5150.000	-41.39	≤-21.20	53.81	≤74	PASS
		High	5320	AV	5350.000	-47.03	≤-41.20	48.17	≤54	PASS
				AV	5457.600	-46.27	≤-41.20	48.93	≤54	PASS
				AV	5460.000	-46.31	≤-41.20	48.89	≤54	PASS
				Peak	5350.000	-39.01	≤-21.20	56.19	≤74	PASS
				Peak	5453.600	-37.75	≤-21.20	57.45	≤74	PASS
				Peak	5460.000	-41.75	≤-21.20	53.45	≤74	PASS
11N20SIS O	Ant1	Low	5260	AV	4500.000	-47.83	≤-41.20	47.37	≤54	PASS
				AV	4944.000	-45.56	≤-41.20	49.64	≤54	PASS
				AV	5150.000	-47.08	≤-41.20	48.12	≤54	PASS
				Peak	4500.000	-42.96	≤-21.20	52.24	≤74	PASS
				Peak	5025.600	-36.74	≤-21.20	58.46	≤74	PASS
				Peak	5150.000	-41.45	≤-21.20	53.75	≤74	PASS
		High	5320	AV	5350.000	-47.07	≤-41.20	48.13	≤54	PASS
				AV	5456.000	-46.27	≤-41.20	48.93	≤54	PASS
				AV	5460.000	-46.32	≤-41.20	48.88	≤54	PASS
				Peak	5350.000	-42.38	≤-21.20	52.82	≤74	PASS
				Peak	5420.800	-38.68	≤-21.20	56.52	≤74	PASS
				Peak	5460.000	-41.52	≤-21.20	53.68	≤74	PASS

Note:

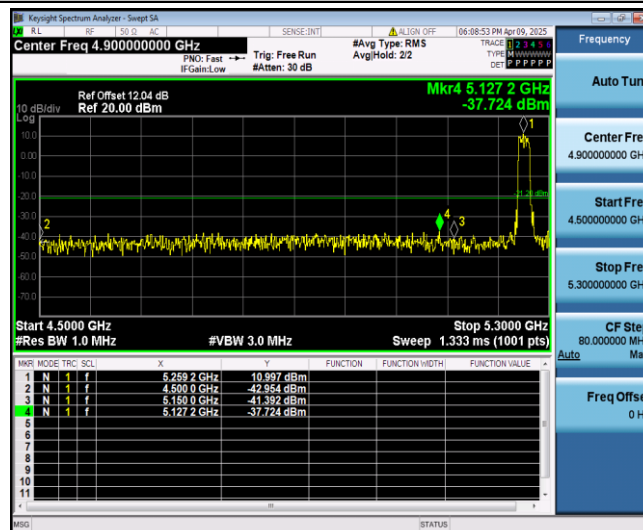
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

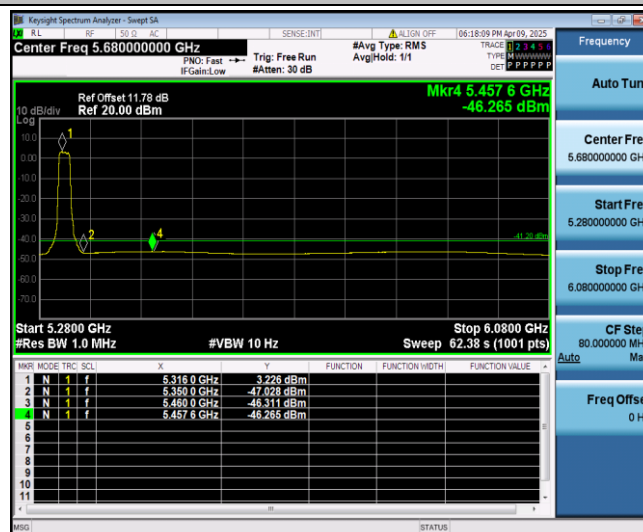
11A_Ant1_Low_5260_AV



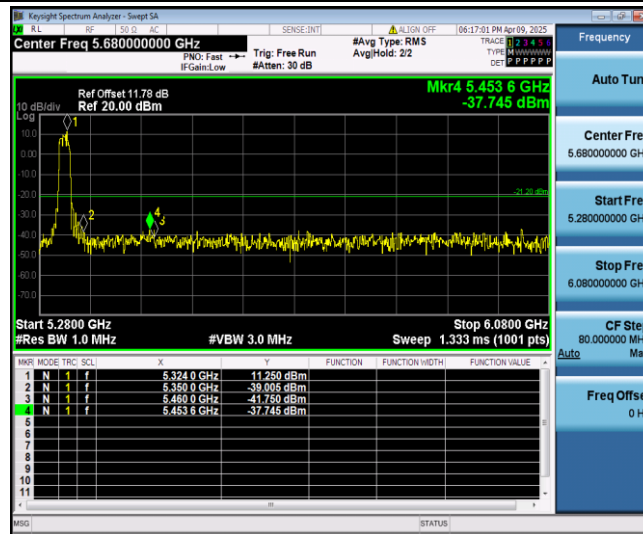
11A_Ant1_Low_5260_Peak



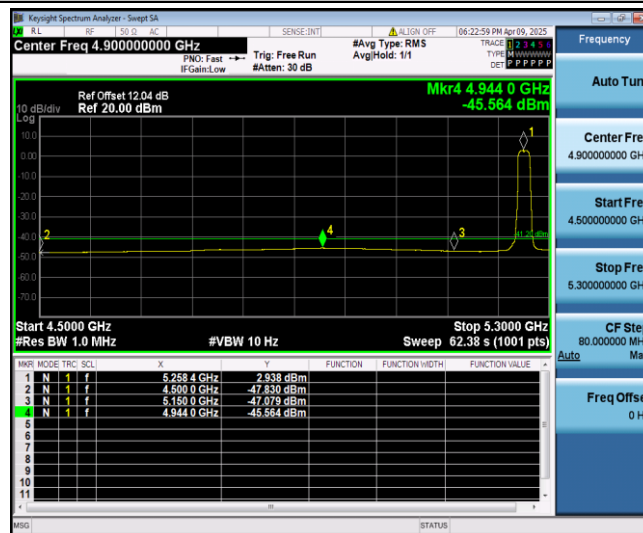
11A_Ant1_High_5320_AV



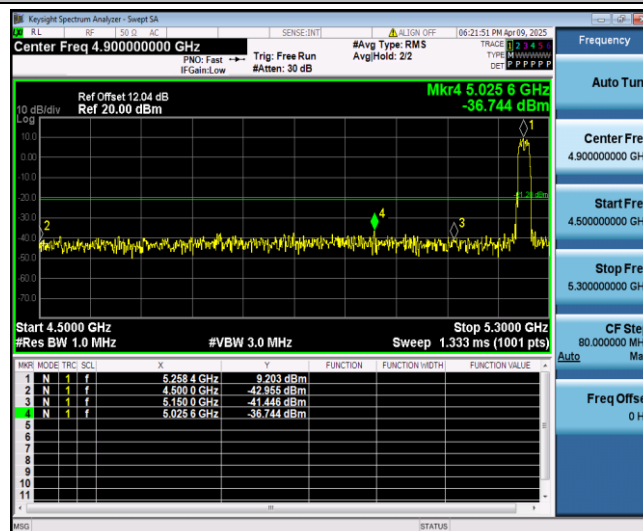
11A_Ant1_High_5320_Peak



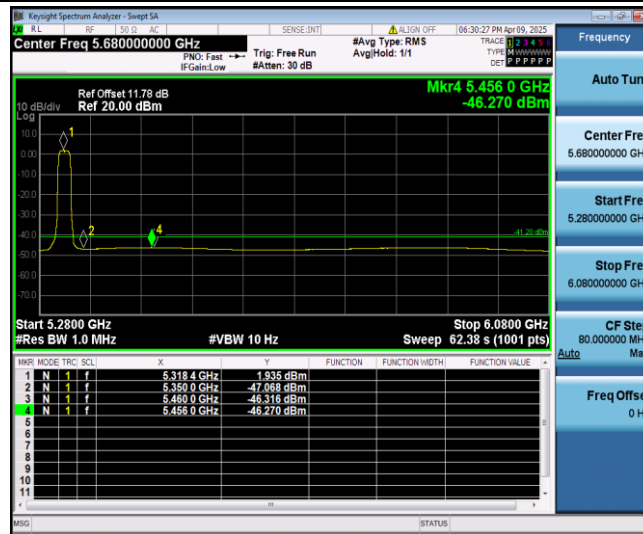
11N20SISO_Ant1_Low_5260_AV



11N20SISO_Ant1_Low_5260_Peak



11N20SISO_Ant1_High_5320_AV



11N20SISO_Ant1_High_5320_Peak

