

Case No. : <u>GTS20250807004-4-03A</u>
Ambient Condition: <u>22</u> °C, <u>50</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.8.13-2025.8.28</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	19.760	5250.000	5269.760	---	---
		5280	19.760	5269.960	5289.720	---	---
		5320	20.040	5309.800	5329.840	---	---
11N20SISO	Ant1	5260	20.520	5249.760	5270.280	---	---
		5280	20.440	5269.720	5290.160	---	---
		5320	20.520	5309.800	5330.320	---	---

Test Graphs

11A_Ant1_5260



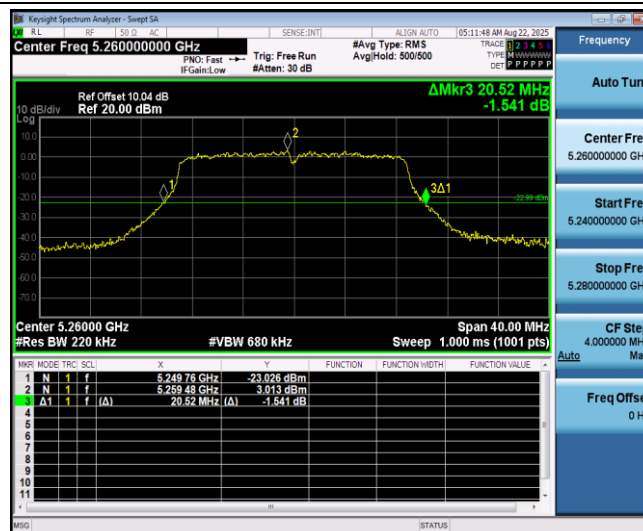
11A_Ant1_5280



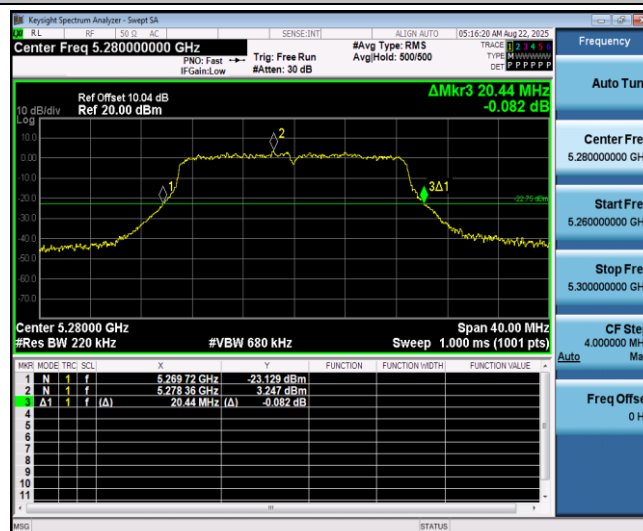
11A_Ant1_5320



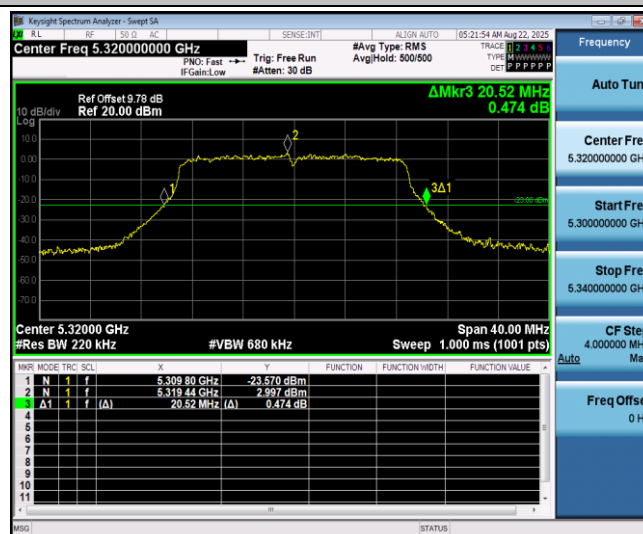
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



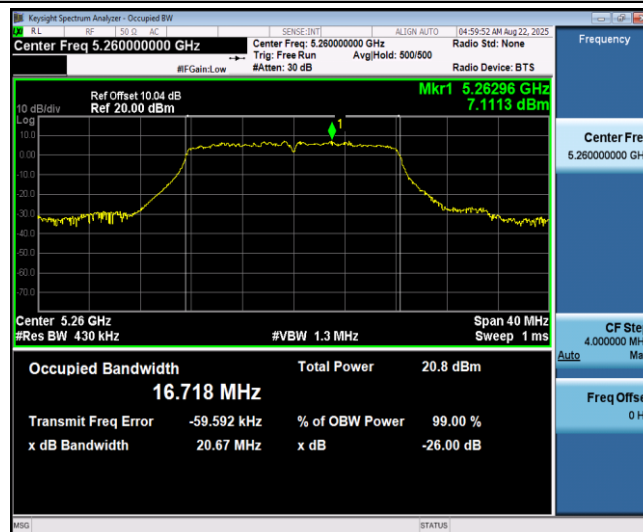
Appendix D.2: Occupied channel bandwidth

Test Result

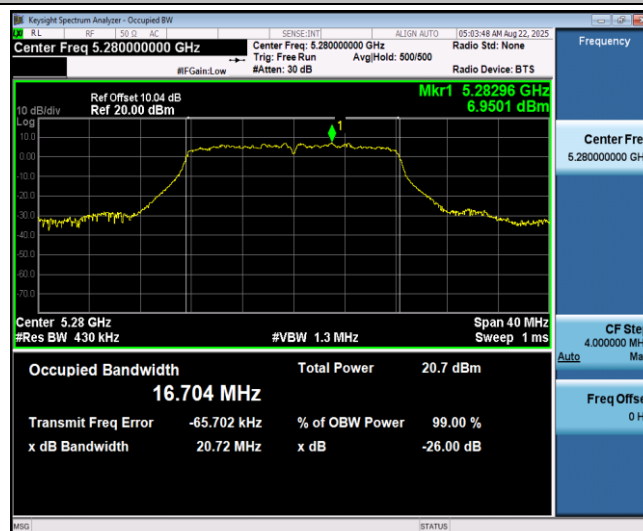
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	16.718	5251.5814	5268.2994	---	---
		5280	16.704	5271.5823	5288.2863	---	---
		5320	16.696	5311.5940	5328.2900	---	---
11N20SISO	Ant1	5260	17.798	5251.0157	5268.8137	---	---
		5280	17.778	5271.0491	5288.8271	---	---
		5320	17.778	5311.0339	5328.8119	---	---

Test Graphs

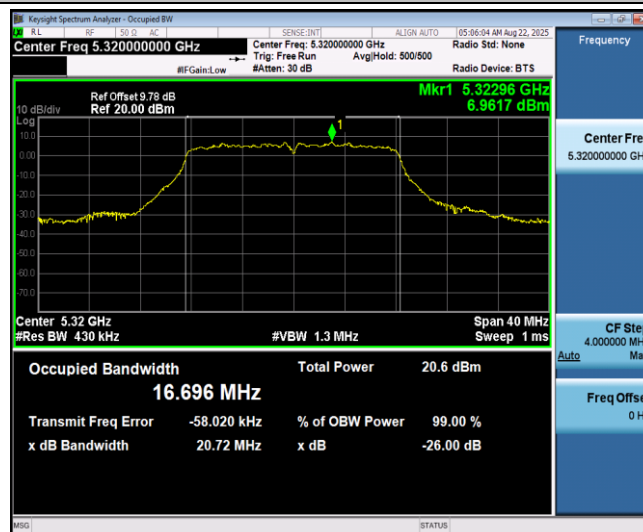
11A_Ant1_5260



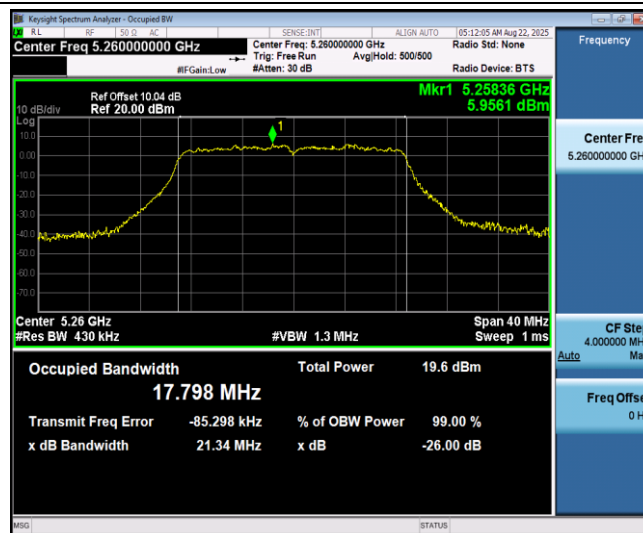
11A_Ant1_5280



11A_Ant1_5320



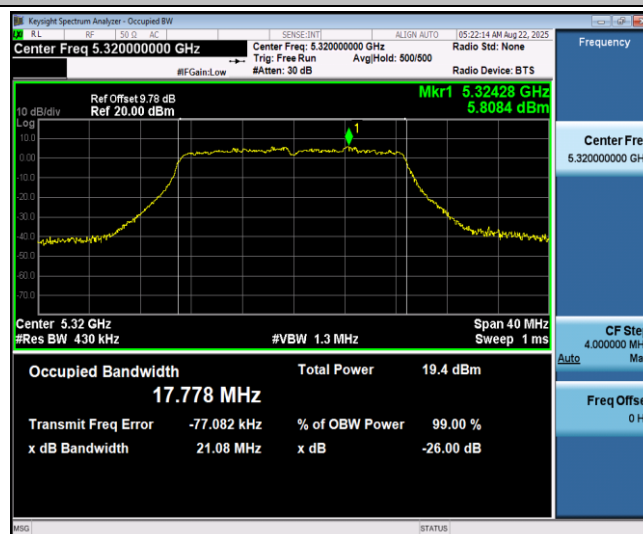
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



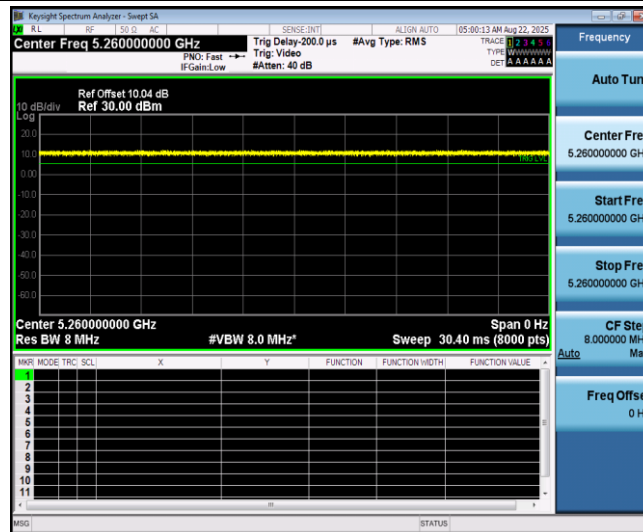
AppendixD.3: Duty Cycle

Test Result

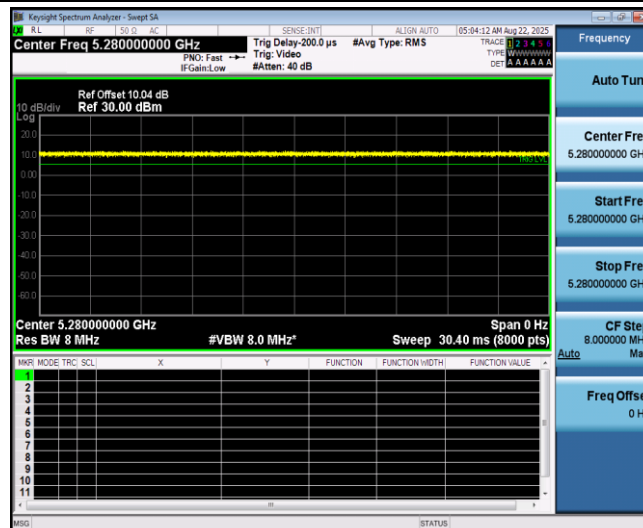
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	30.00	30.00	100.00	0.00	0.03
		5280	30.00	30.00	100.00	0.00	0.03
		5320	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5260	30.00	30.00	100.00	0.00	0.03
		5280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

Test Graphs

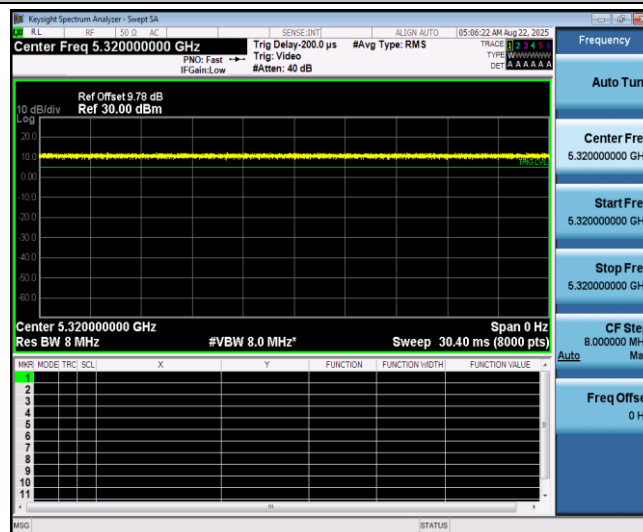
11A_Ant1_5260



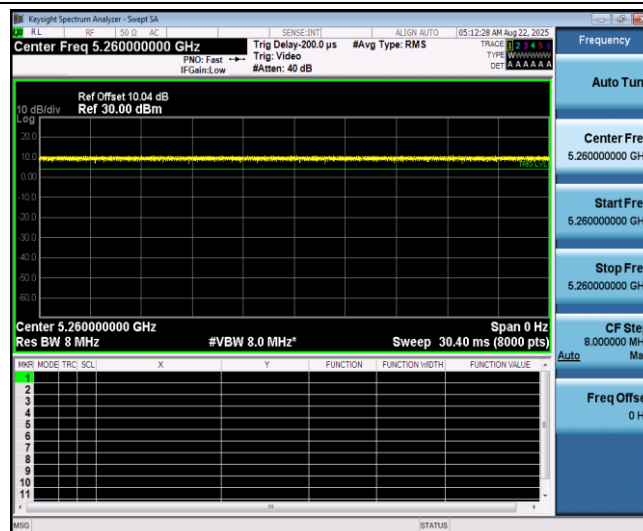
11A_Ant1_5280



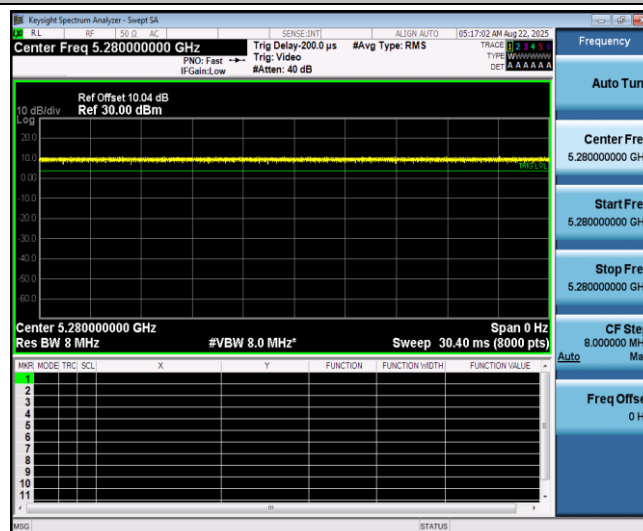
11A_Ant1_5320



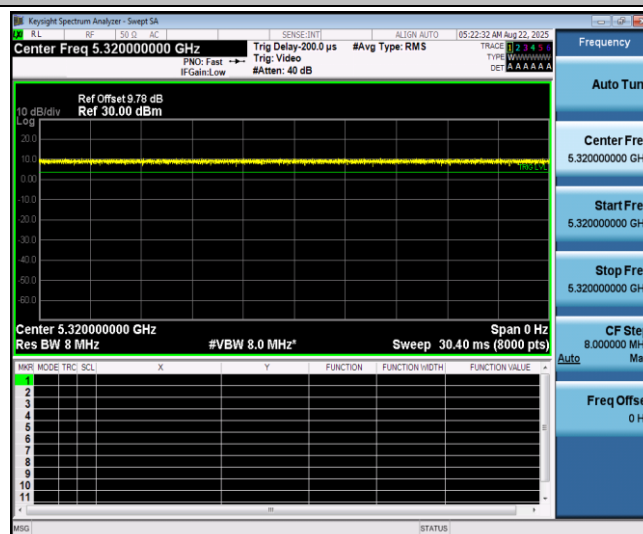
11N20SISO_Ant1_5260



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	17.69	100.00	0.00	17.69	≤23.96	PASS
		5280	17.59	100.00	0.00	17.59	≤23.96	PASS
		5320	17.47	100.00	0.00	17.47	≤23.98	PASS
11N20SISO	Ant1	5260	17.46	100.00	0.00	17.46	≤23.98	PASS
		5280	17.43	100.00	0.00	17.43	≤23.98	PASS
		5320	17.35	100.00	0.00	17.35	≤23.98	PASS

Appendix D.5: Maximum power spectral density

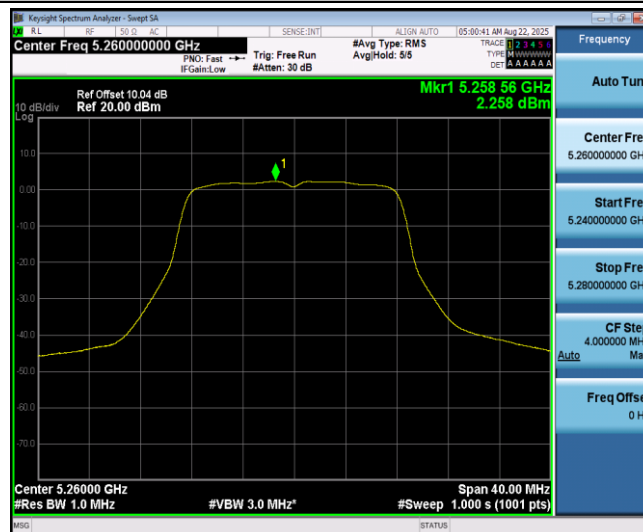
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	2.26	≤11.00	PASS
		5280	2.21	≤11.00	PASS
		5320	2.12	≤11.00	PASS
11N20SISO	Ant1	5260	0.82	≤11.00	PASS
		5280	0.77	≤11.00	PASS
		5320	0.56	≤11.00	PASS

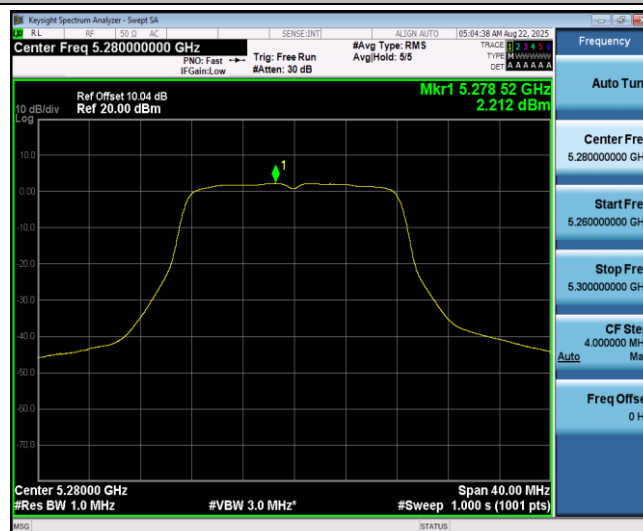
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

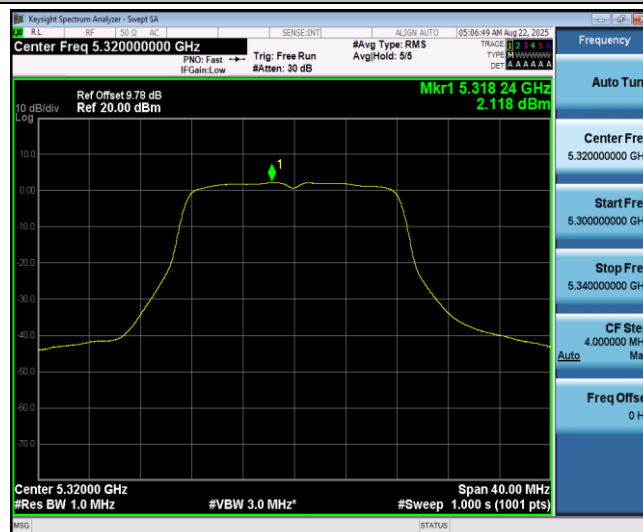
11A_Ant1_5260



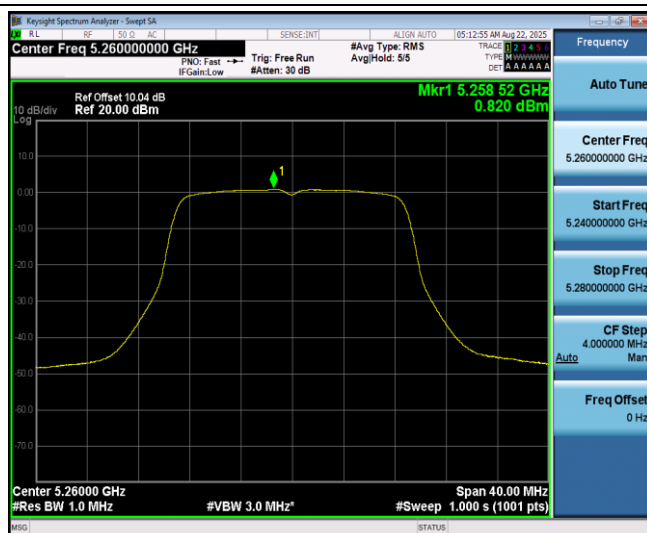
11A_Ant1_5280



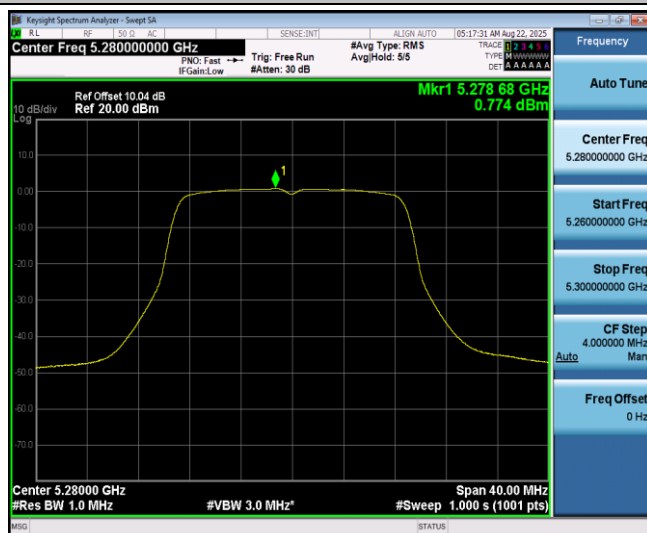
11A_Ant1_5320



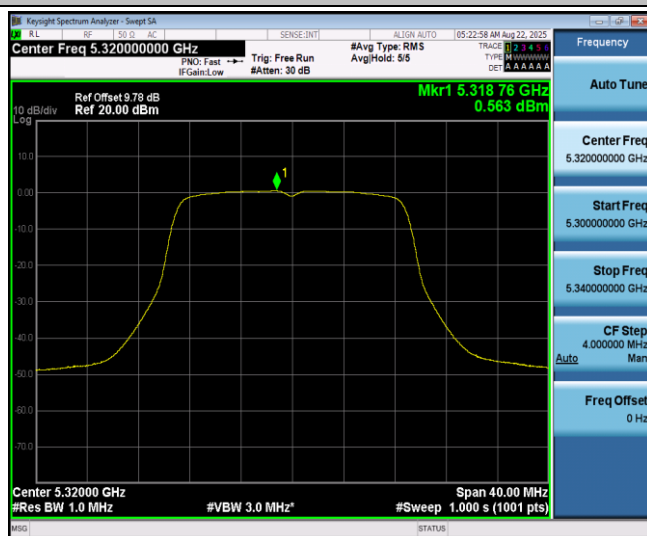
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



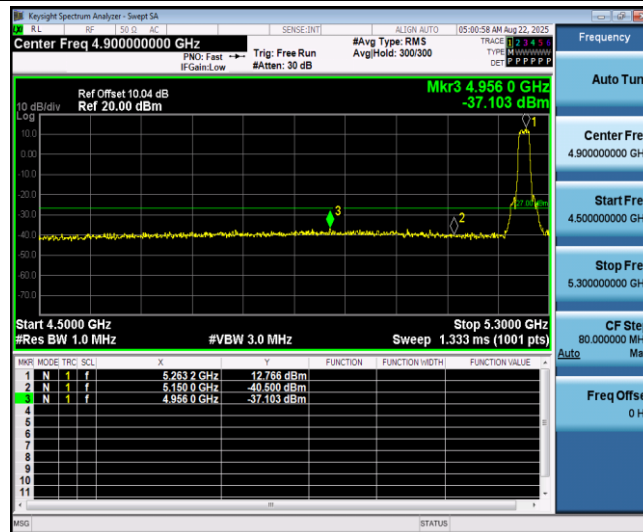
Appendix D.6:Band edge measurements

Test Result B2

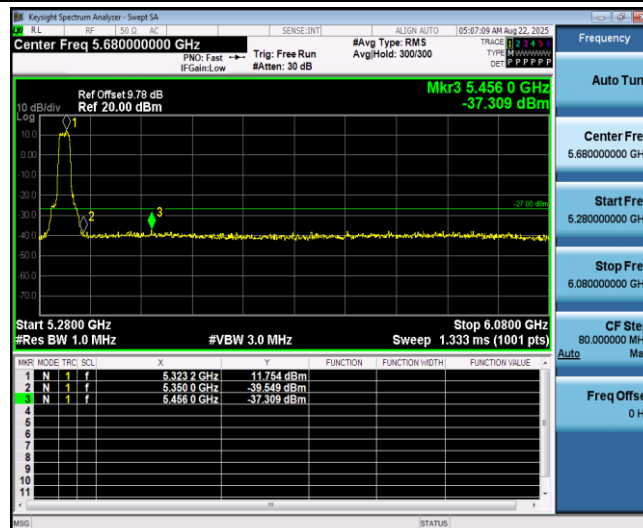
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-37.1	≤ -27	PASS
		High	5320	-37.31	≤ -27	PASS
11N20SISO	Ant1	Low	5260	-37.06	≤ -27	PASS
		High	5320	-37.53	≤ -27	PASS

Test GraphsB2

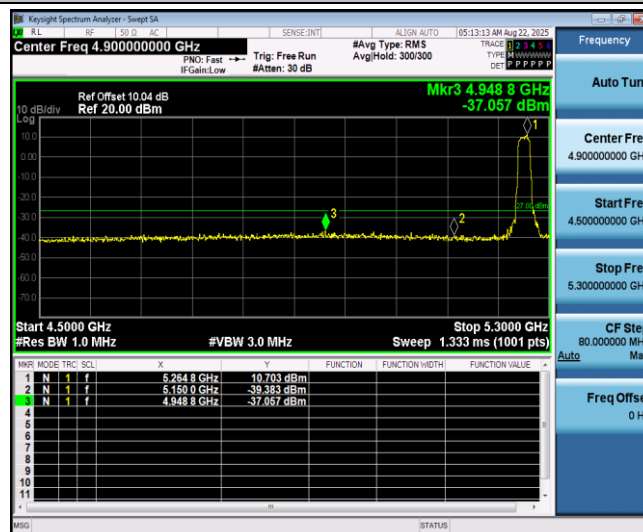
11A_Ant1_Low_5260

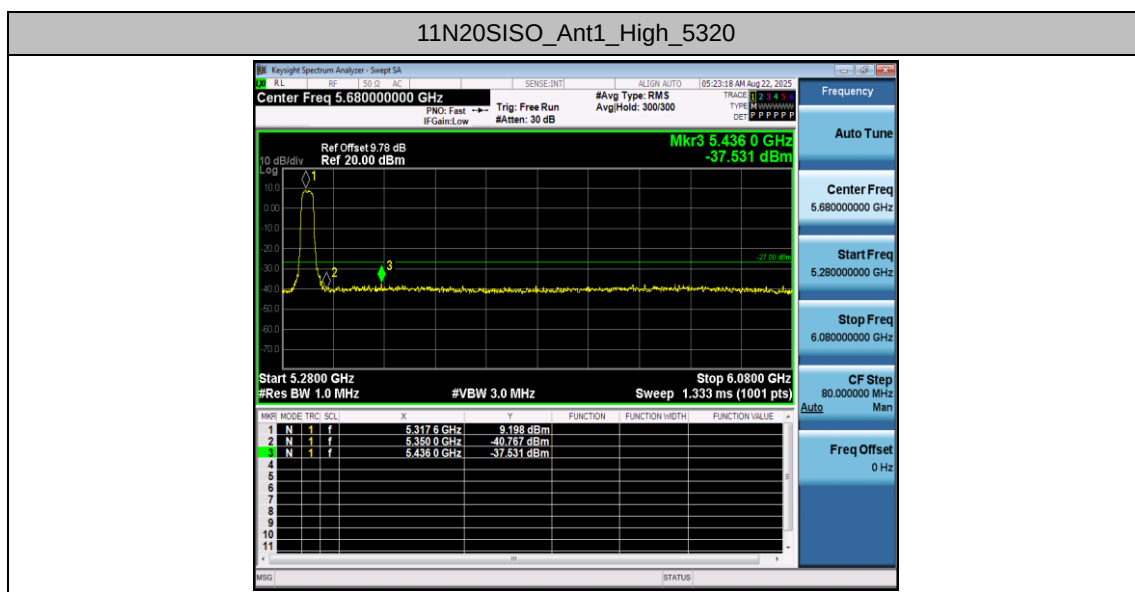


11A_Ant1_High_5320



11N20SISO_Ant1_Low_5260





Appendix D.7:Conducted Spurious Emission

Test Result

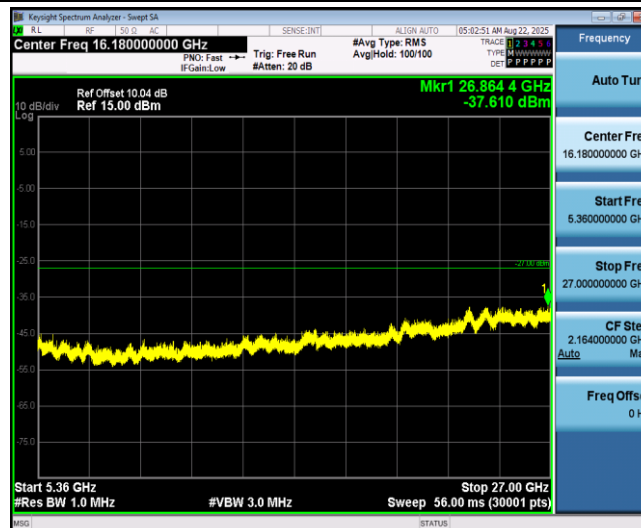
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	4980.57	-46.72	≤-27	PASS
			5360~27000	26864.39	-37.61	≤-27	PASS
		5280	30~5140	4880.58	-46.03	≤-27	PASS
			5360~27000	24227.19	-36.9	≤-27	PASS
		5320	30~5140	1763.65	-37.82	≤-27	PASS
			5360~27000	26953.83	-37.46	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	2665.57	-45.43	≤-27	PASS
			5360~27000	24278.41	-36.35	≤-27	PASS
		5280	30~5140	4960.64	-45.55	≤-27	PASS
			5360~27000	23540.49	-36.51	≤-27	PASS
		5320	30~5140	5073.57	-46.54	≤-27	PASS
			5360~27000	26509.49	-37.4	≤-27	PASS

Test Graphs

11A_Ant1_5260_30-5140



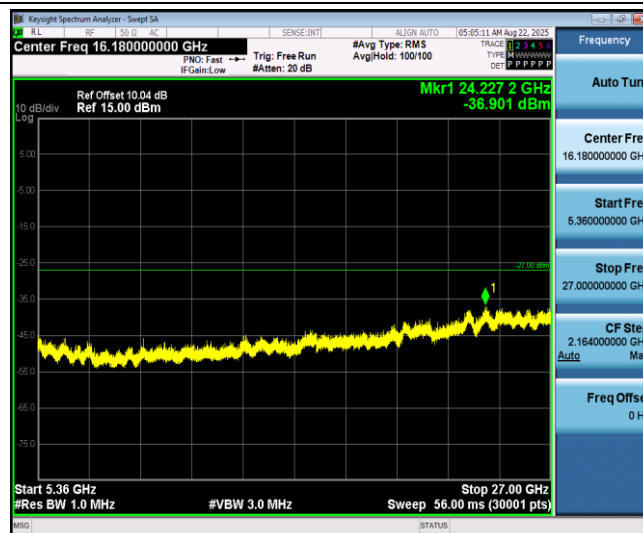
11A_Ant1_5260_5360-27000



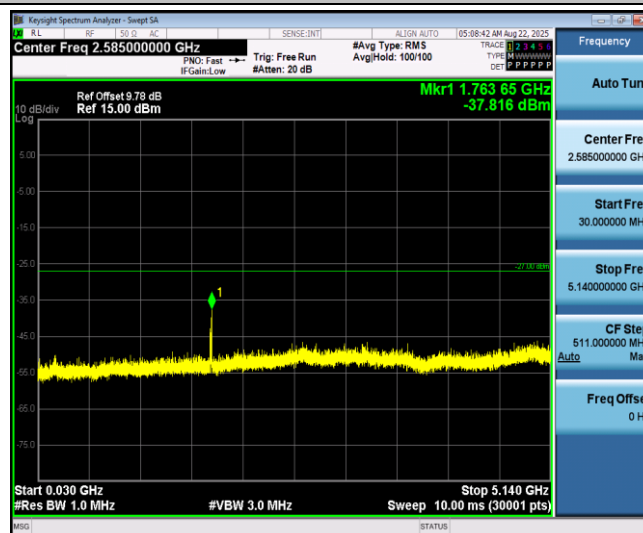
11A_Ant1_5280_30-5140



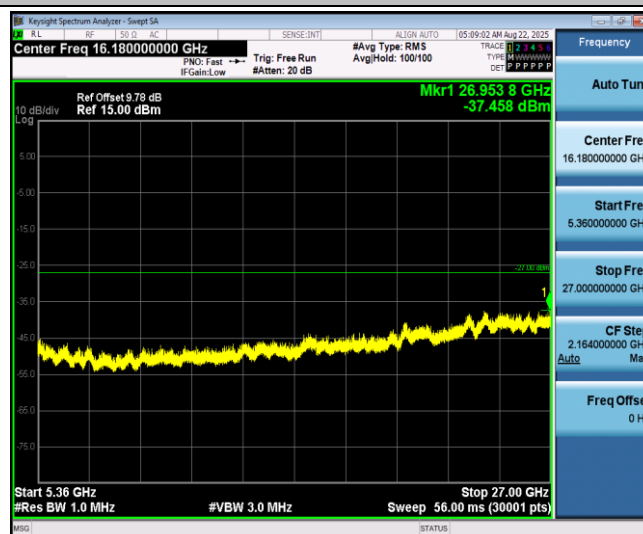
11A_Ant1_5280_5360-27000



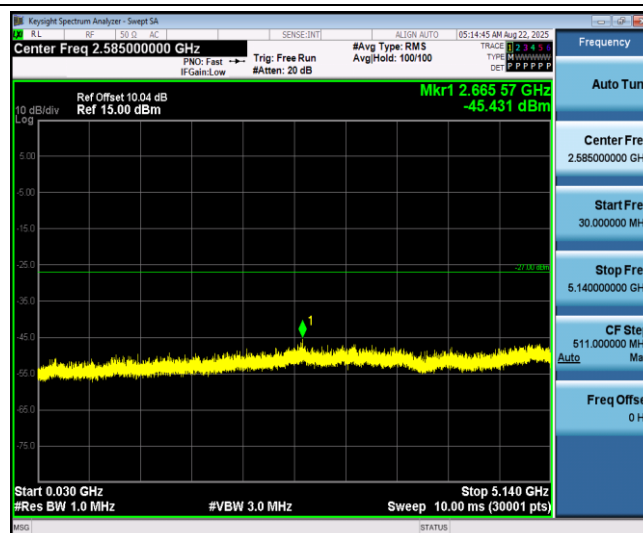
11A_Ant1_5320_30~5140



11A_Ant1_5320_5360~27000



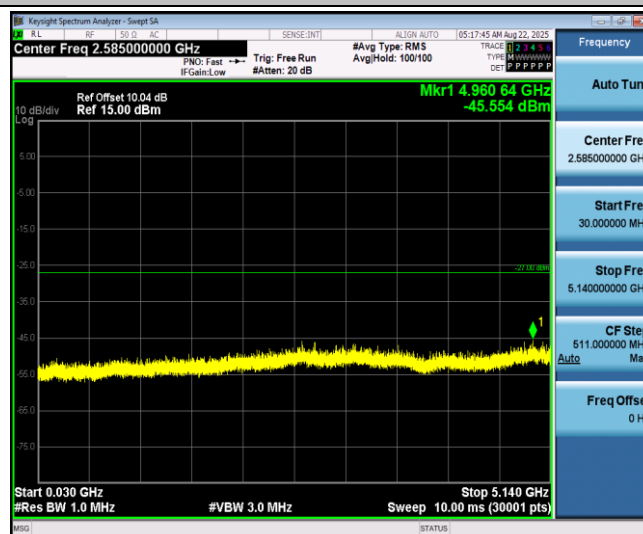
11N20SISO_Ant1_5260_30~5140



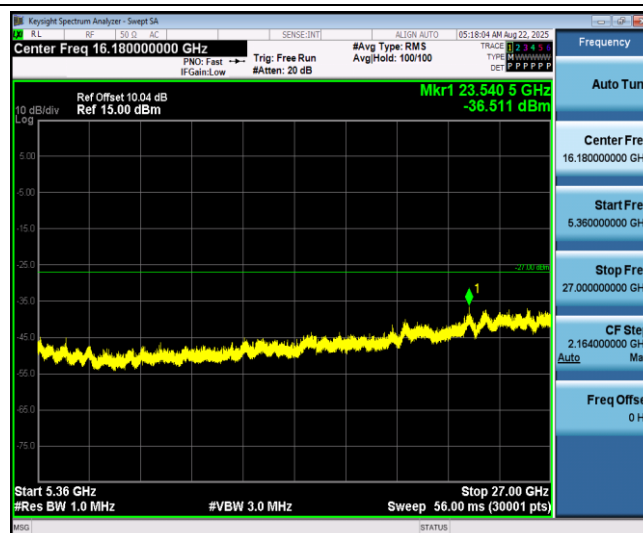
11N20SISO_Ant1_5260_5360~27000



11N20SISO_Ant1_5280_30~5140



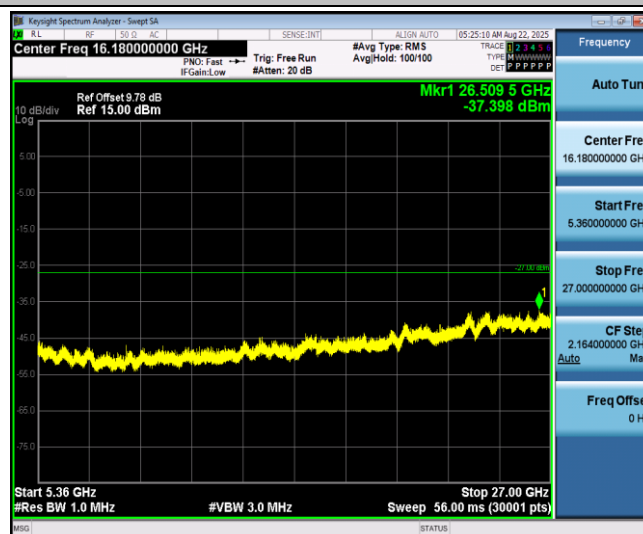
11N20SISO_Ant1_5280_5360~27000



11N20SISO_Ant1_5320_30~5140



11N20SISO_Ant1_5320_5360~27000



Appendix D.8:Emissions in Restricted Bands

Test Result

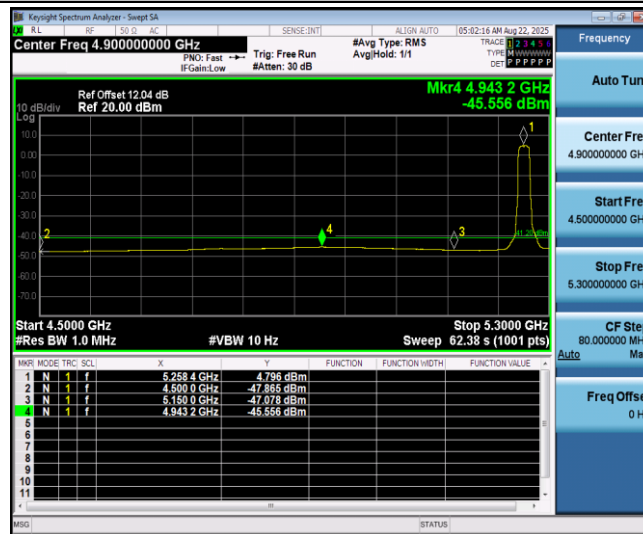
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5260	AV	4500.000	-47.87	≤-41.20	47.33	≤54	PASS
				AV	4943.200	-45.56	≤-41.20	49.64	≤54	PASS
				AV	5150.000	-47.08	≤-41.20	48.12	≤54	PASS
				Peak	4500.000	-43.61	≤-21.20	51.59	≤74	PASS
				Peak	4958.400	-37.11	≤-21.20	58.09	≤74	PASS
				Peak	5150.000	-44.06	≤-21.20	51.14	≤74	PASS
		High	5320	AV	5350.000	-46.71	≤-41.20	48.49	≤54	PASS
				AV	5460.000	-46.26	≤-41.20	48.94	≤54	PASS
				Peak	5350.000	-40.96	≤-21.20	54.24	≤74	PASS
				Peak	5384.000	-38.66	≤-21.20	56.54	≤74	PASS
				Peak	5460.000	-43.92	≤-21.20	51.28	≤74	PASS
11N20SIS O	Ant1	Low	5260	AV	4500.000	-47.85	≤-41.20	47.35	≤54	PASS
				AV	4944.000	-45.57	≤-41.20	49.63	≤54	PASS
				AV	5150.000	-47.1	≤-41.20	48.10	≤54	PASS
				Peak	4500.000	-48.87	≤-21.20	46.33	≤74	PASS
				Peak	4938.400	-37.1	≤-21.20	58.10	≤74	PASS
				Peak	5150.000	-44.43	≤-21.20	50.77	≤74	PASS
		High	5320	AV	5350.000	-47.03	≤-41.20	48.17	≤54	PASS
				AV	5455.200	-46.28	≤-41.20	48.92	≤54	PASS
				AV	5460.000	-46.29	≤-41.20	48.91	≤54	PASS
				Peak	5350.000	-42.36	≤-21.20	52.84	≤74	PASS
				Peak	5390.400	-38.05	≤-21.20	57.15	≤74	PASS
				Peak	5460.000	-41.94	≤-21.20	53.26	≤74	PASS

Note:

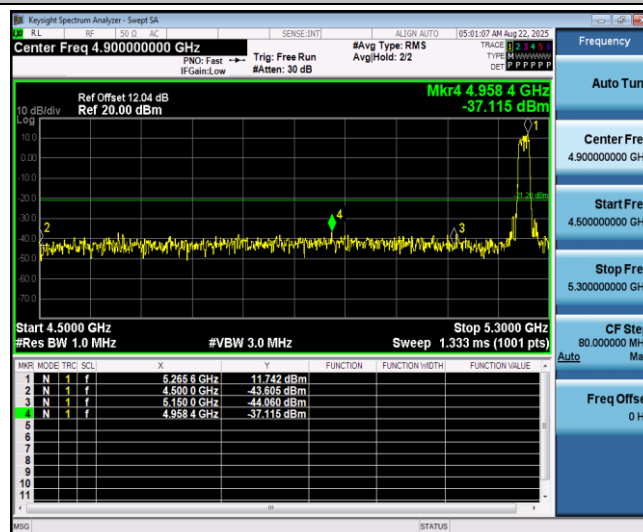
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

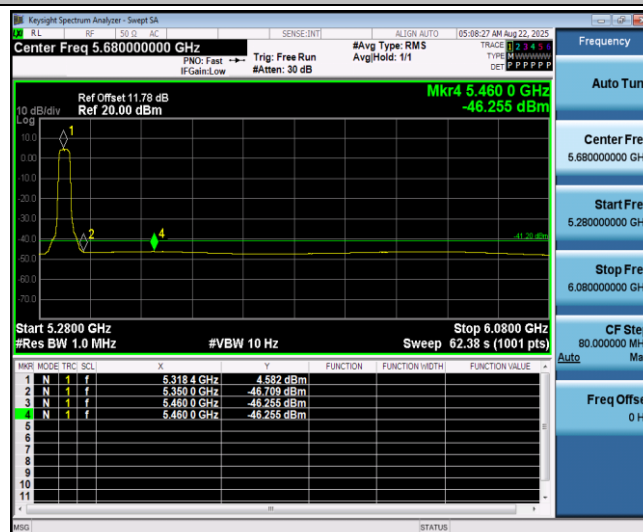
11A_Ant1_Low_5260_AV



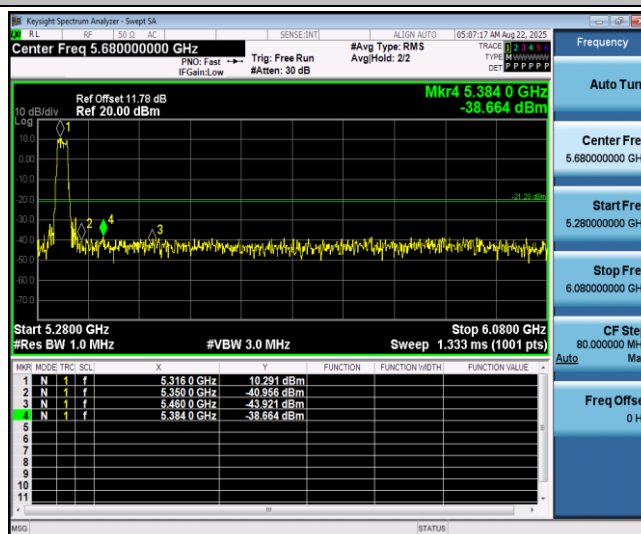
11A_Ant1_Low_5260_Peak



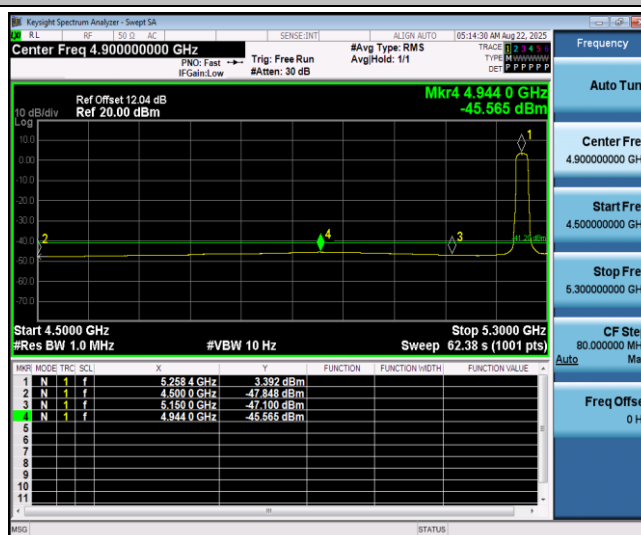
11A_Ant1_High_5320_AV



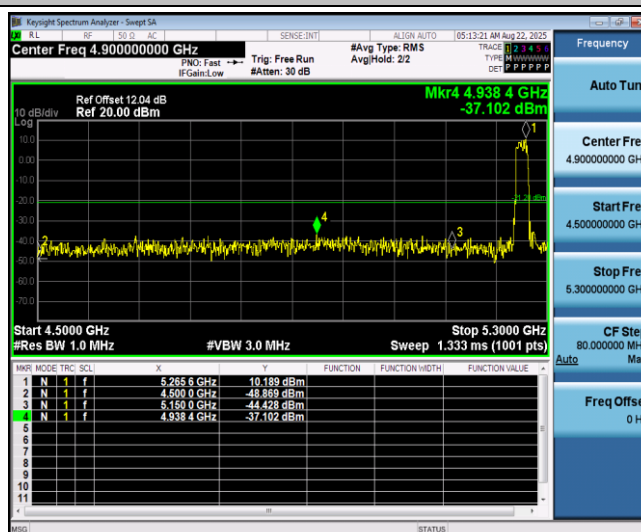
11A_Ant1_High_5320_Peak



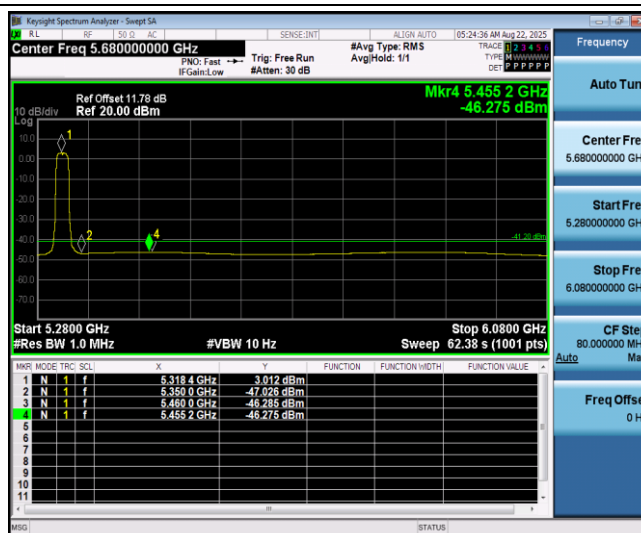
11N20SISO_Ant1_Low_5260_AV



11N20SISO_Ant1_Low_5260_Peak



11N20SISO_Ant1_High_5320_AV



11N20SISO_Ant1_High_5320_Peak

