

Case No. : <u>GTS20250807004-6-05</u>
Ambient Condition: <u>21</u> °C, <u>55</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.8.13-2025.8.25</u> Test Engineer: <u>Evan ouyang</u>

Appendix C.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.800	5168.440	5191.240	---	---
		5200	20.320	5189.640	5209.960	---	---
		5240	20.160	5229.680	5249.840	---	---
11N20SISO	Ant1	5180	20.880	5169.560	5190.440	---	---
		5200	20.560	5189.760	5210.320	---	---
		5240	20.360	5229.760	5250.120	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



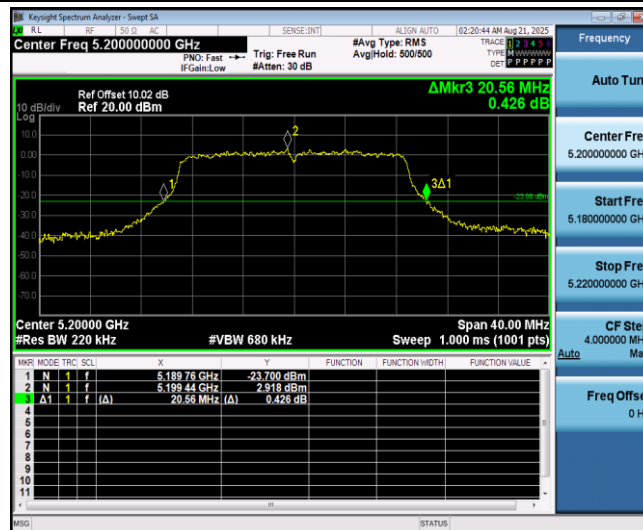
11A_Ant1_5240



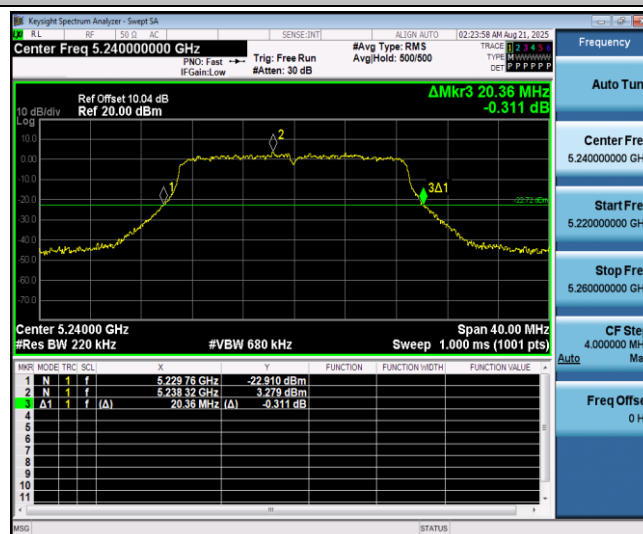
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



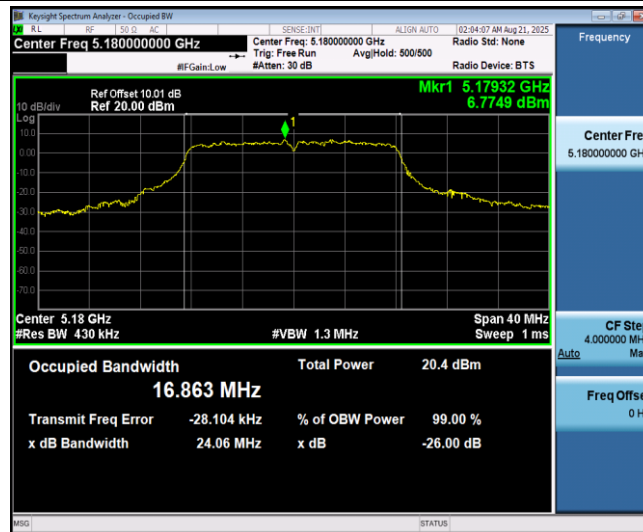
Appendix C.2: Occupied channel bandwidth

Test Result

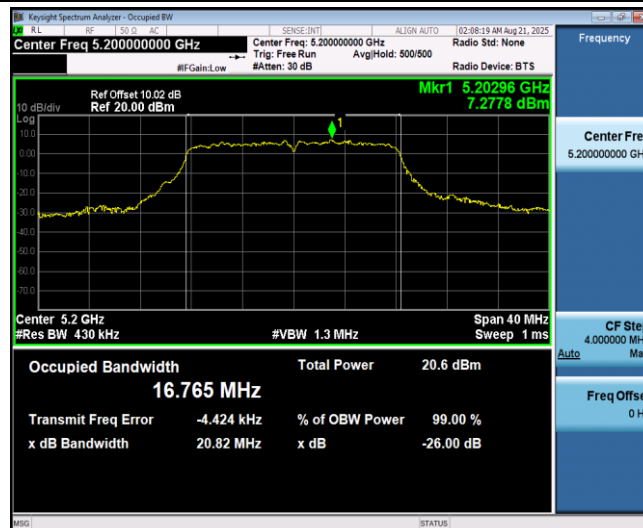
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.863	5171.5404	5188.4034	---	---
		5200	16.765	5191.6131	5208.3781	---	---
		5240	16.752	5231.5802	5248.3322	---	---
11N20SISO	Ant1	5180	17.796	5171.0493	5188.8453	---	---
		5200	17.771	5191.0837	5208.8547	---	---
		5240	17.796	5231.0264	5248.8224	---	---

Test Graphs

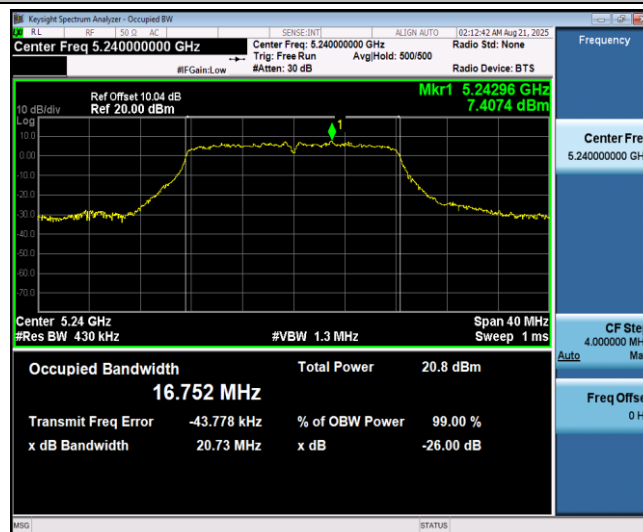
11A_Ant1_5180



11A_Ant1_5200



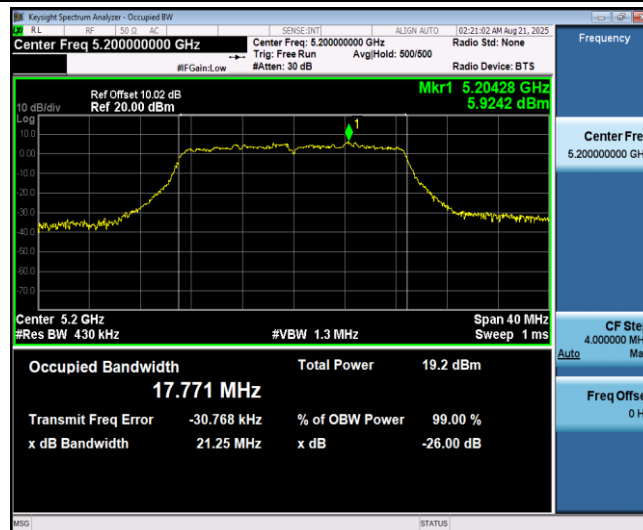
11A_Ant1_5240



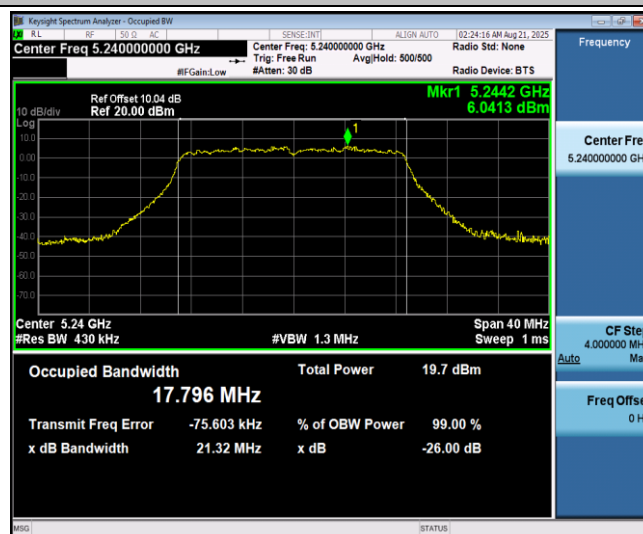
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



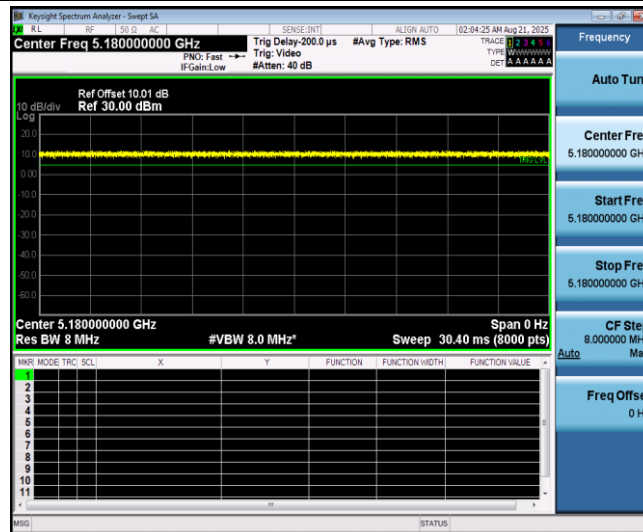
Appendix C.3: Duty Cycle

Test Result

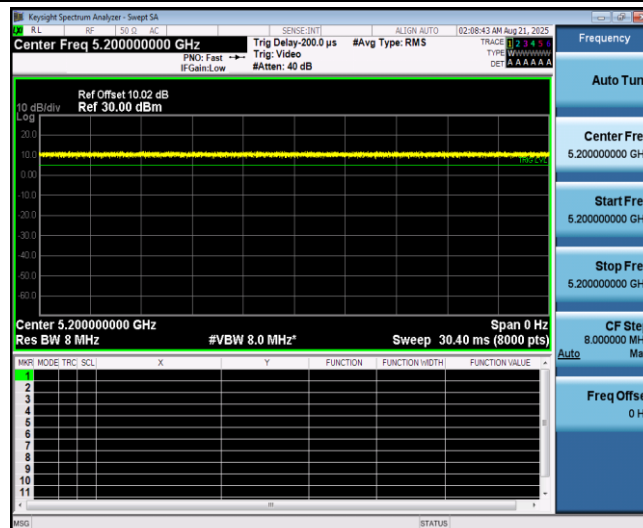
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03

Test Graphs

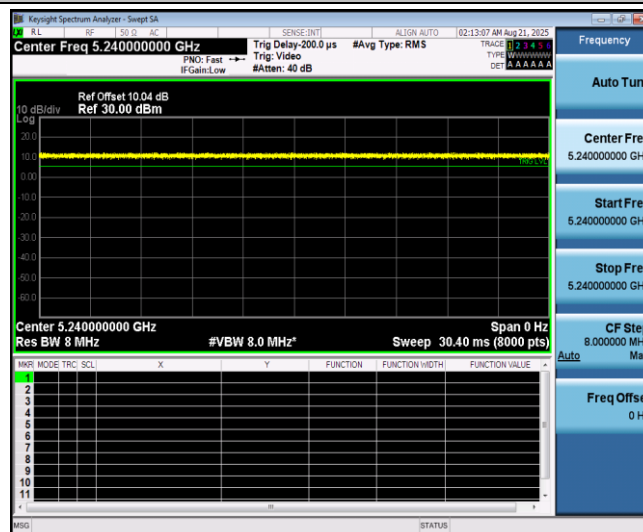
11A_Ant1_5180



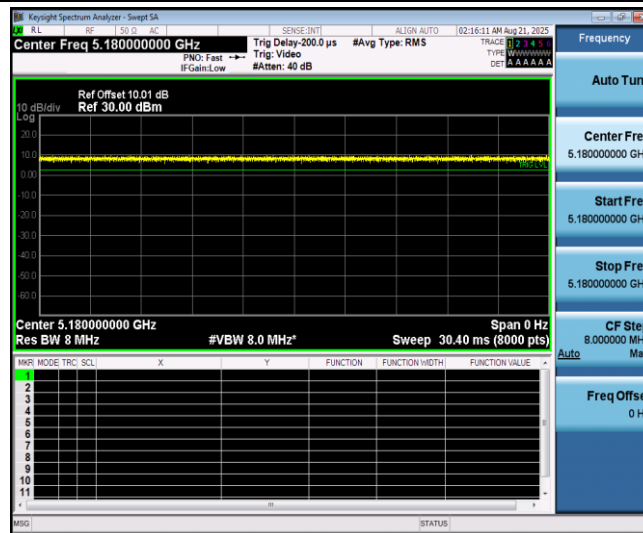
11A_Ant1_5200



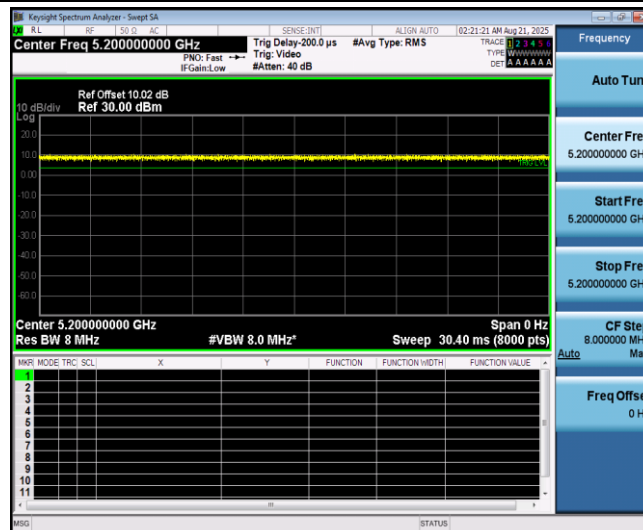
11A_Ant1_5240



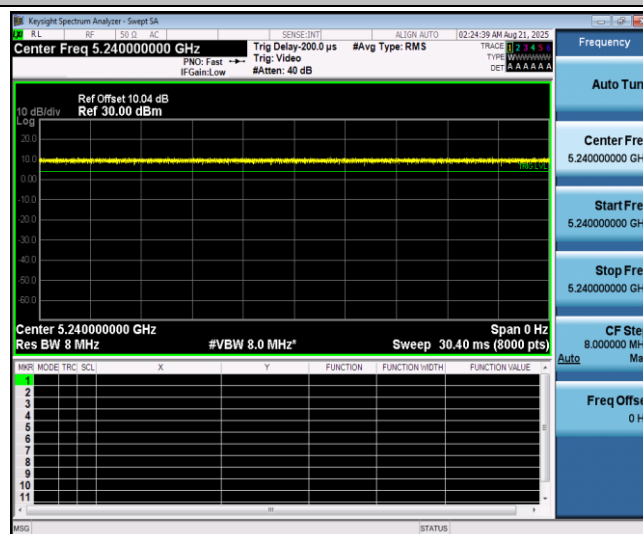
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



Appendix C.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	5180	16.32	100.00	0.00	16.32	≤23.98	PASS
		5200	16.47	100.00	0.00	16.47	≤23.98	PASS
		5240	16.72	100.00	0.00	16.72	≤23.98	PASS
11N20SISO	Ant1	5180	16.65	100.00	0.00	16.65	≤23.98	PASS
		5200	16.08	100.00	0.00	16.08	≤23.98	PASS
		5240	16.64	100.00	0.00	16.64	≤23.98	PASS

Appendix C.5: Maximum power spectral density

Test Result

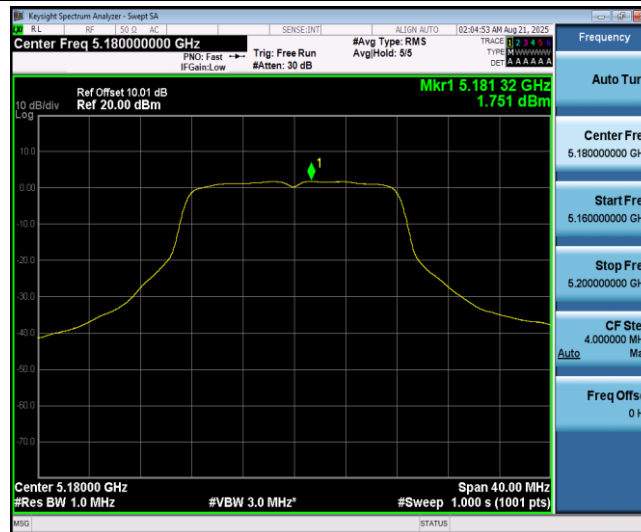
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.75	≤11.00	PASS
		5200	1.99	≤11.00	PASS
		5240	2.32	≤11.00	PASS
11N20SISO	Ant1	5180	-0.27	≤11.00	PASS
		5200	0.31	≤11.00	PASS
		5240	0.96	≤11.00	PASS

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

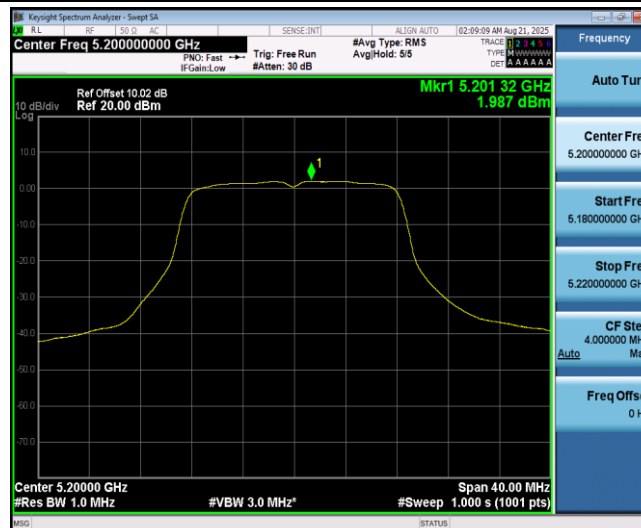
2.The Duty Cycle Factorand RBW Factoriscompensatedinthe graph.

Test Graphs

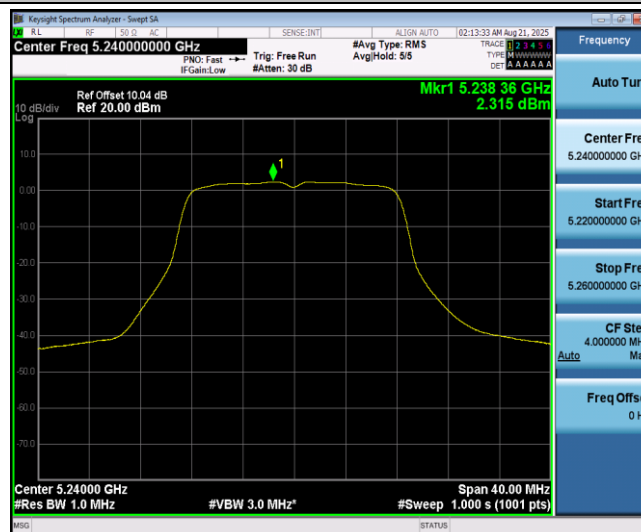
11A_Ant1_5180



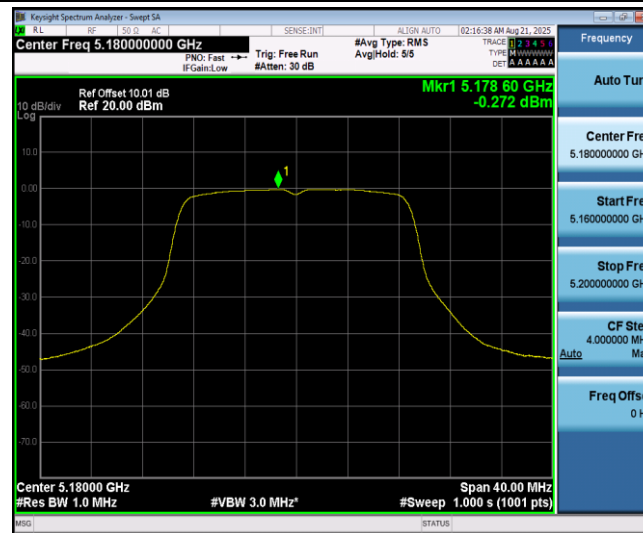
11A_Ant1_5200



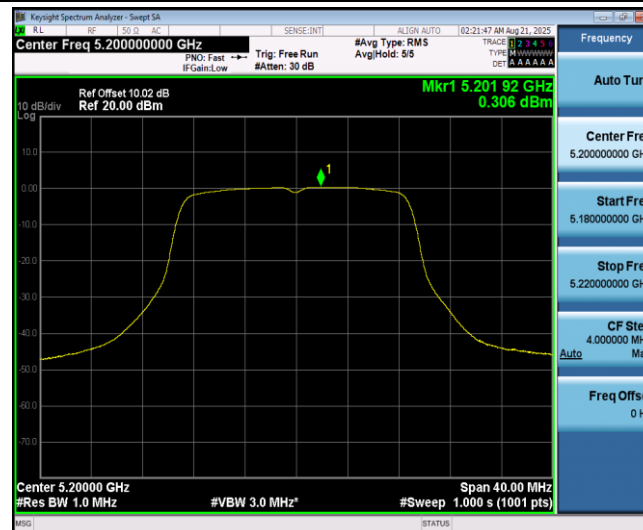
11A_Ant1_5240



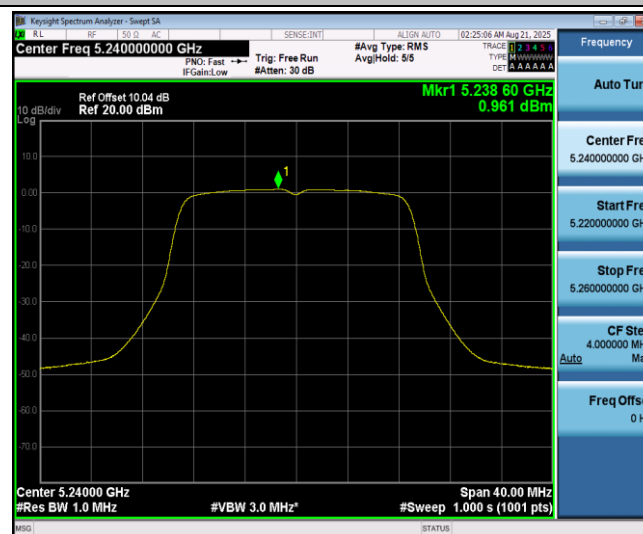
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



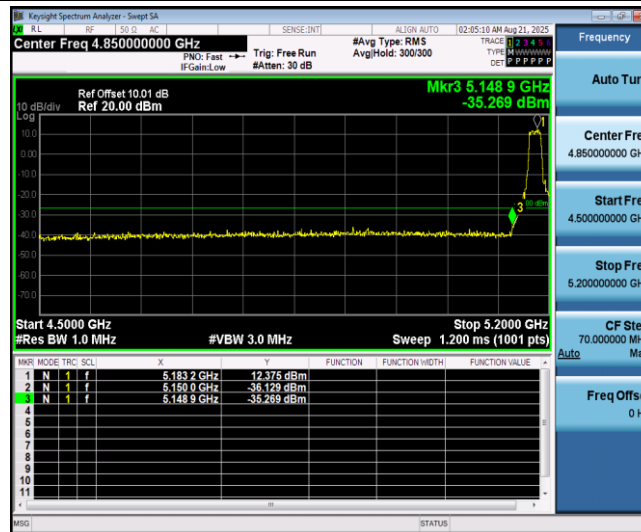
Appendix C.6:Band edge measurements

Test Result B1

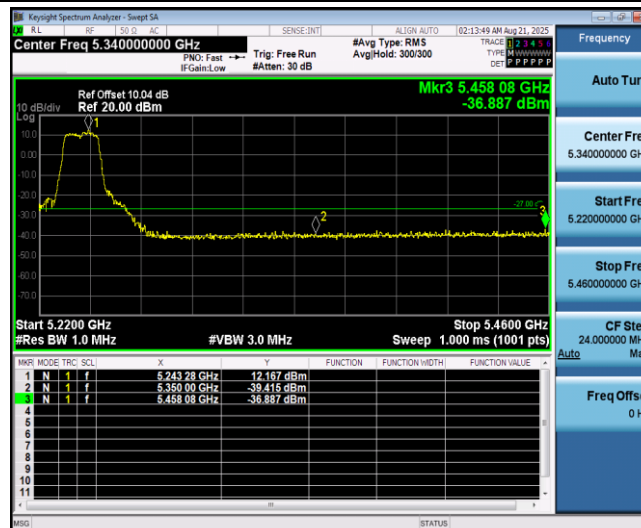
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-35.27	≤-27	PASS
		High	5240	-36.89	≤-27	PASS
11N20SISO	Ant1	Low	5180	-37.2	≤-27	PASS
		High	5240	-36.82	≤-27	PASS

Test GraphsB1

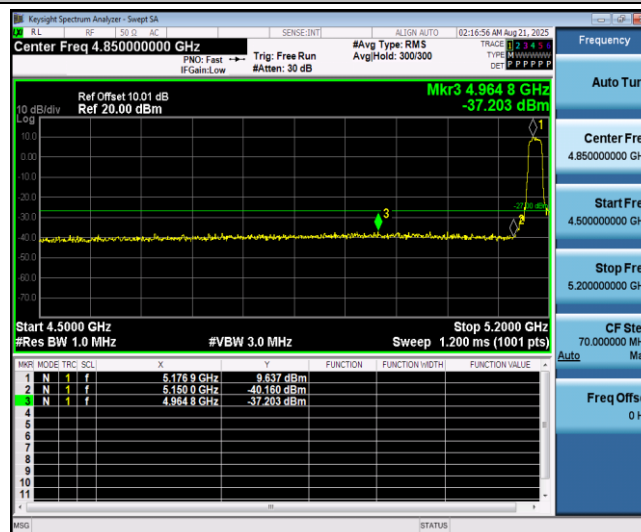
11A_Ant1_Low_5180

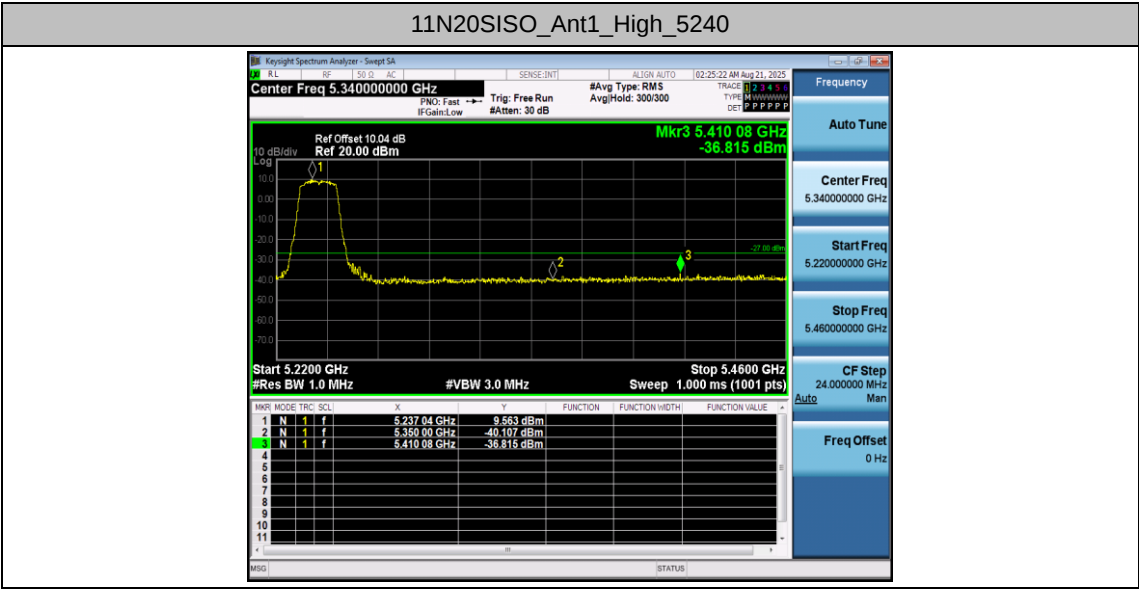


11A_Ant1_High_5240



11N20SISO_Ant1_Low_5180





Appendix C.7:Conducted Spurious Emission

Test Result

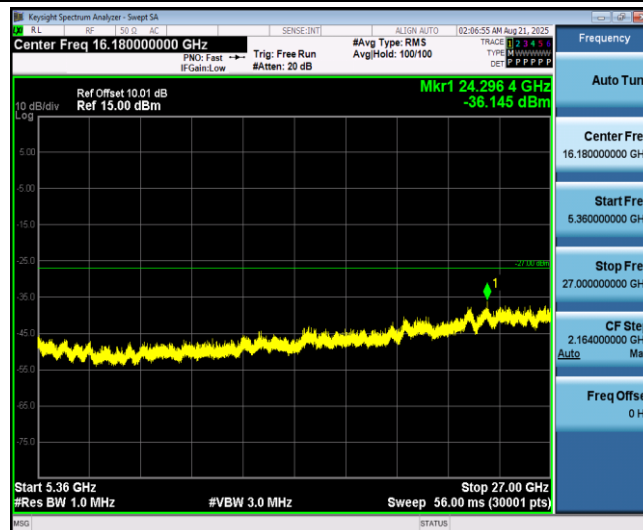
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5138.3	-45.71	≤-27	PASS
			5360~27000	24296.44	-36.15	≤-27	PASS
		5200	30~5140	5050.23	-45.89	≤-27	PASS
			5360~27000	24308.71	-36.68	≤-27	PASS
		5240	30~5140	2680.9	-45.8	≤-27	PASS
			5360~27000	26890.36	-36.54	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	2556.55	-46.23	≤-27	PASS
			5360~27000	24181.03	-37.28	≤-27	PASS
		5200	30~5140	4834.42	-46.47	≤-27	PASS
			5360~27000	25264.47	-37.39	≤-27	PASS
		5240	30~5140	5036.27	-46.64	≤-27	PASS
			5360~27000	23501.53	-36.88	≤-27	PASS

Test Graphs

11A_Ant1_5180_30-5140



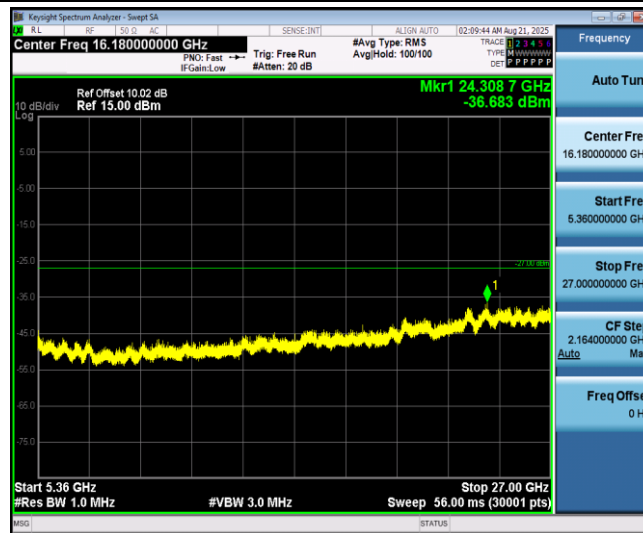
11A_Ant1_5180_5360-27000



11A_Ant1_5200_30-5140



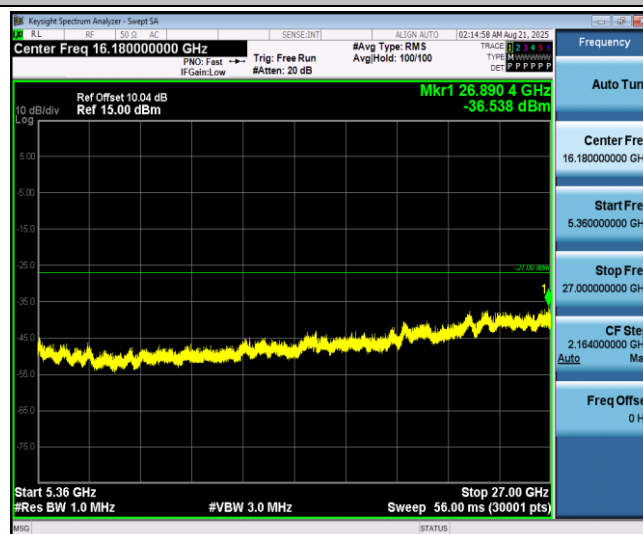
11A_Ant1_5200_5360-27000



11A_Ant1_5240_30-5140



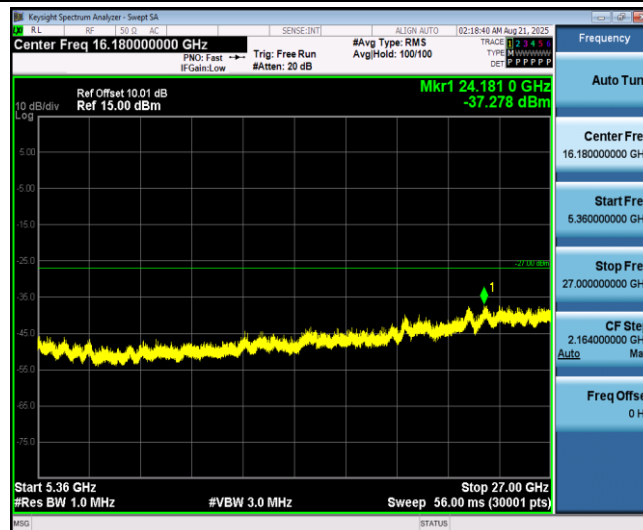
11A_Ant1_5240_5360-27000



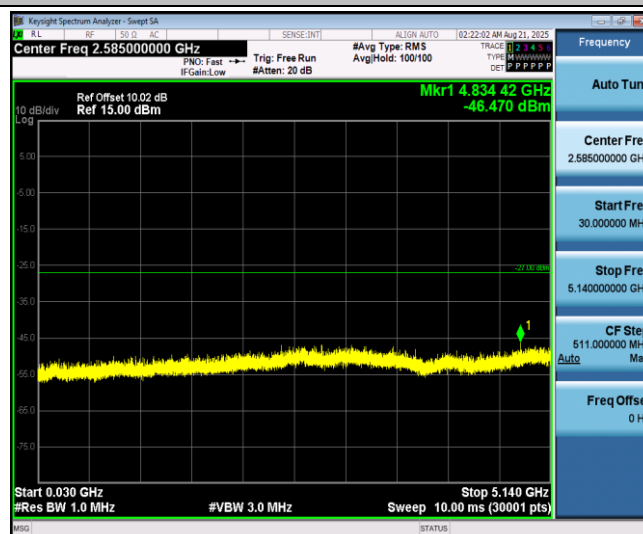
11N20SISO_Ant1_5180_30-5140



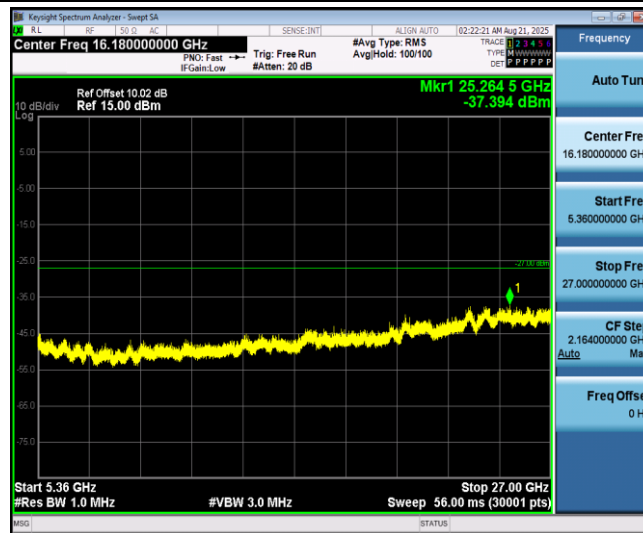
11N20SISO_Ant1_5180_5360~27000



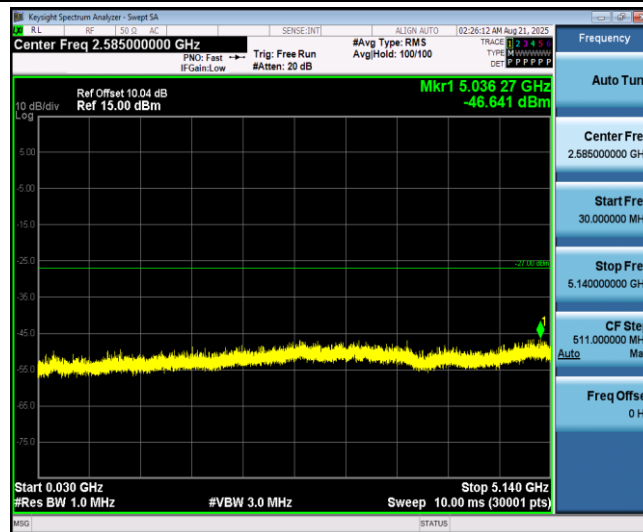
11N20SISO_Ant1_5200_30~5140



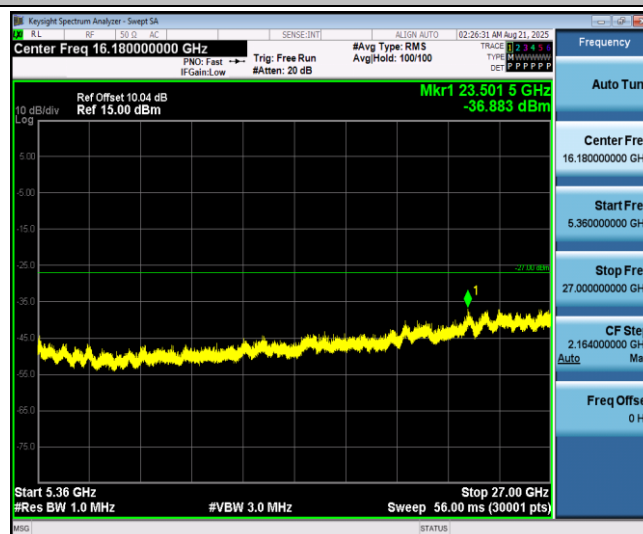
11N20SISO_Ant1_5200_5360~27000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~27000



Appendix C.8:Emissions in Restricted Bands

Test Result

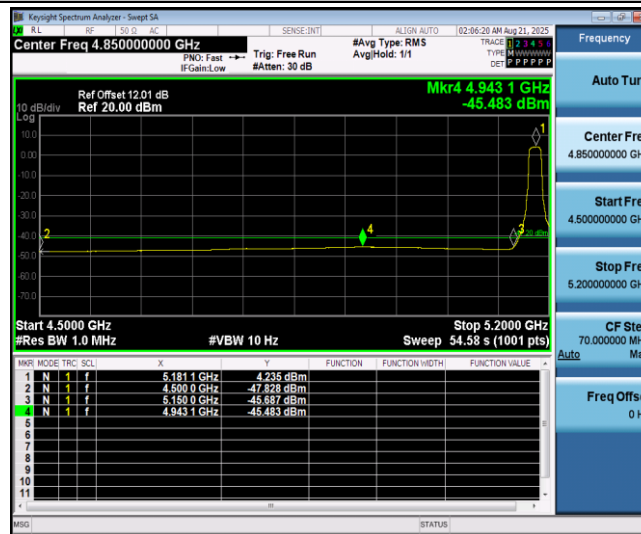
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-47.83	≤-41.20	47.37	≤54	PASS
				AV	4943.100	-45.48	≤-41.20	49.72	≤54	PASS
				AV	5150.000	-45.69	≤-41.20	49.51	≤54	PASS
				Peak	4500.000	-47.31	≤-21.20	47.89	≤74	PASS
				Peak	4860.500	-37.02	≤-21.20	58.18	≤74	PASS
				Peak	5150.000	-41.42	≤-21.20	53.78	≤74	PASS
		High	5240	AV	5350.000	-46.56	≤-41.20	48.64	≤54	PASS
				AV	5456.160	-45.65	≤-41.20	49.55	≤54	PASS
				AV	5460.000	-45.73	≤-41.20	49.47	≤54	PASS
				Peak	5350.000	-43.42	≤-21.20	51.78	≤74	PASS
				Peak	5444.160	-36.89	≤-21.20	58.31	≤74	PASS
				Peak	5460.000	-39.22	≤-21.20	55.98	≤74	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-47.81	≤-41.20	47.39	≤54	PASS
				AV	4945.200	-45.49	≤-41.20	49.71	≤54	PASS
				AV	5150.000	-46.75	≤-41.20	48.45	≤54	PASS
				Peak	4500.000	-42.02	≤-21.20	53.18	≤74	PASS
				Peak	4938.900	-35.92	≤-21.20	59.28	≤74	PASS
				Peak	5150.000	-46.17	≤-21.20	49.03	≤74	PASS
		High	5240	AV	5350.000	-46.54	≤-41.20	48.66	≤54	PASS
				AV	5457.360	-45.65	≤-41.20	49.55	≤54	PASS
				AV	5460.000	-45.75	≤-41.20	49.45	≤54	PASS
				Peak	5350.000	-41.14	≤-21.20	54.06	≤74	PASS
				Peak	5373.840	-37.19	≤-21.20	58.01	≤74	PASS
				Peak	5460.000	-40.8	≤-21.20	54.40	≤74	PASS

Note:

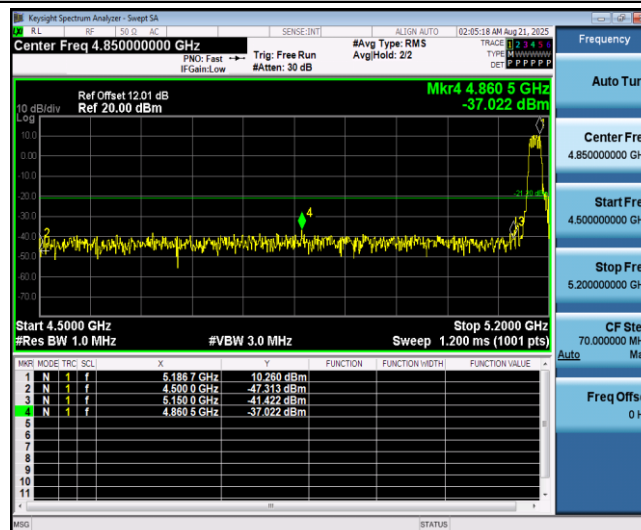
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

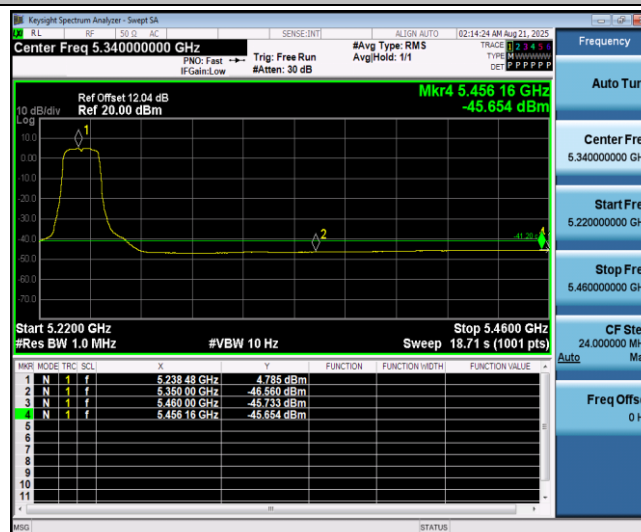
11A_Ant1_Low_5180_AV



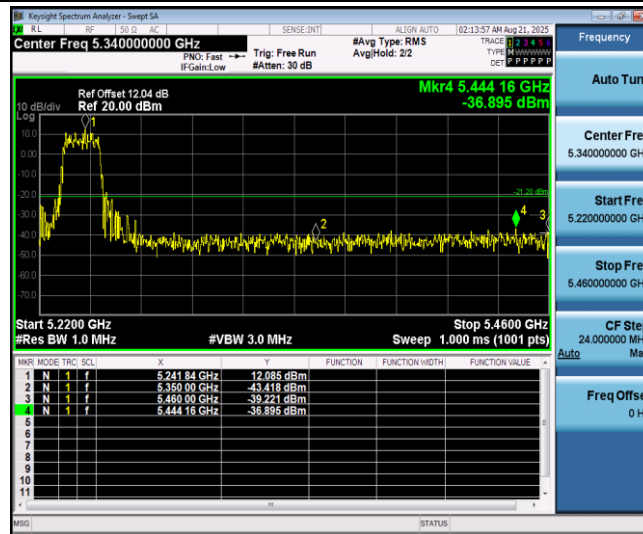
11A_Ant1_Low_5180_Peak



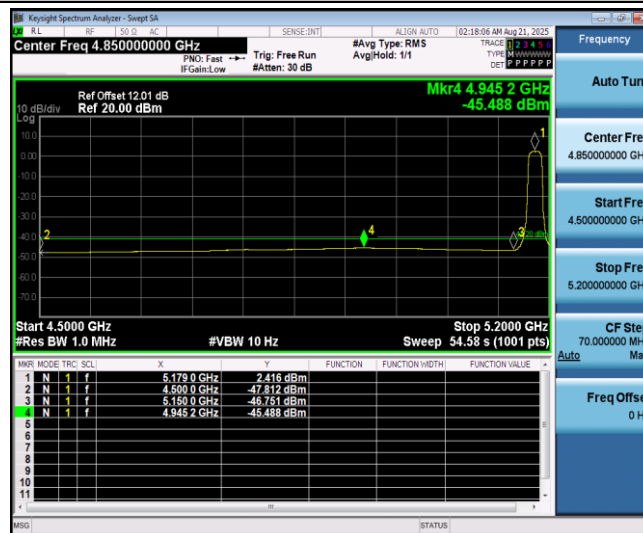
11A_Ant1_High_5240_AV



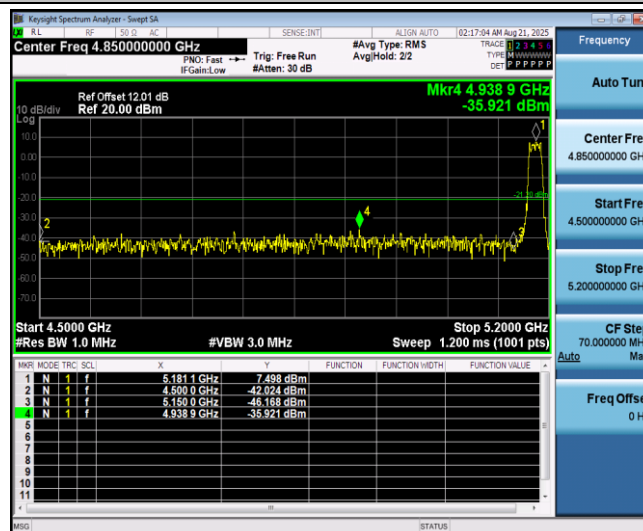
11A_Ant1_High_5240_Peak



11N20SISO_Ant1_Low_5180_AV



11N20SISO_Ant1_Low_5180_Peak



11N20SISO_Ant1_High_5240_AV

