

Case No. : <u>GTS20250807004-4-03A</u>
Ambient Condition: <u>23</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>

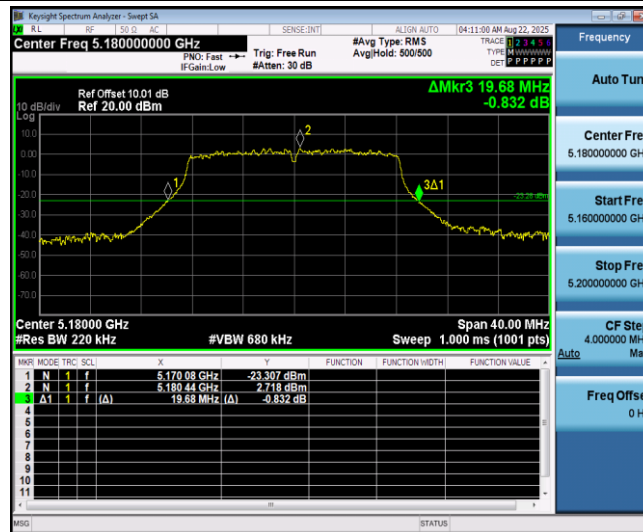
Appendix C.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.680	5170.080	5189.760	---	---
		5200	19.720	5190.000	5209.720	---	---
		5240	20.200	5229.680	5249.880	---	---
11N20SISO	Ant1	5180	20.480	5169.840	5190.320	---	---
		5200	20.560	5189.760	5210.320	---	---
		5240	20.480	5229.760	5250.240	---	---

Test Graphs

11A_Ant1_5180



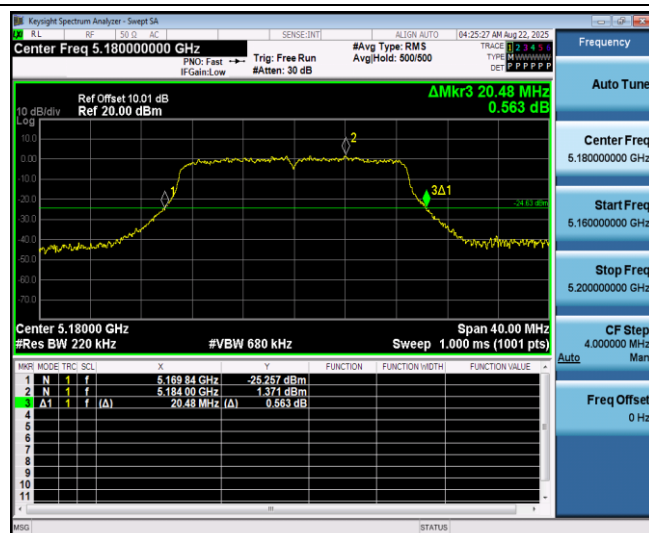
11A_Ant1_5200



11A_Ant1_5240



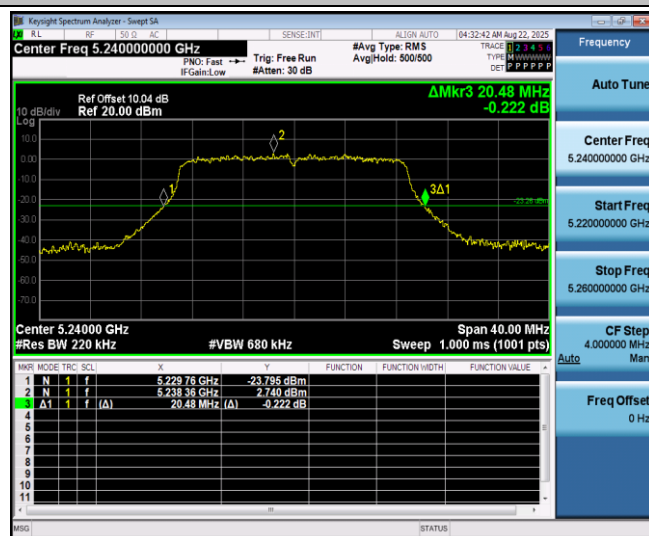
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



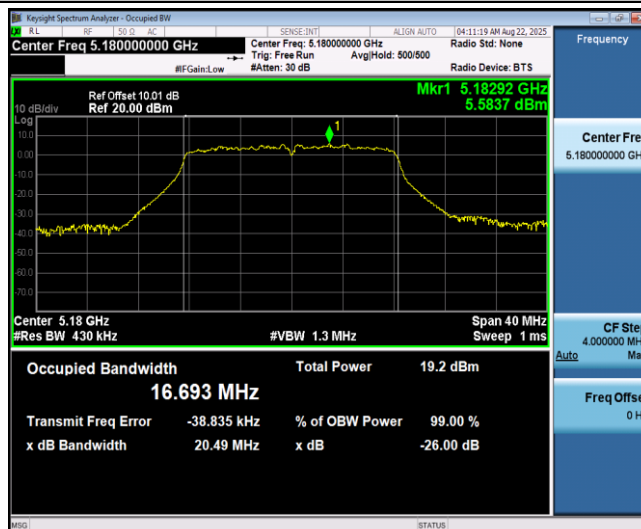
Appendix C.2: Occupied channel bandwidth

Test Result

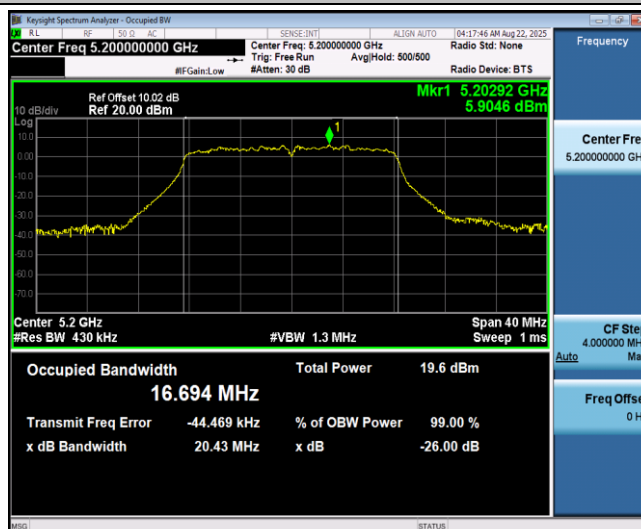
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.693	5171.6147	5188.3077	---	---
		5200	16.694	5191.6085	5208.3025	---	---
		5240	16.728	5231.5912	5248.3192	---	---
11N20SISO	Ant1	5180	17.777	5171.0672	5188.8442	---	---
		5200	17.783	5191.0475	5208.8305	---	---
		5240	17.752	5231.0548	5248.8068	---	---

Test Graphs

11A_Ant1_5180



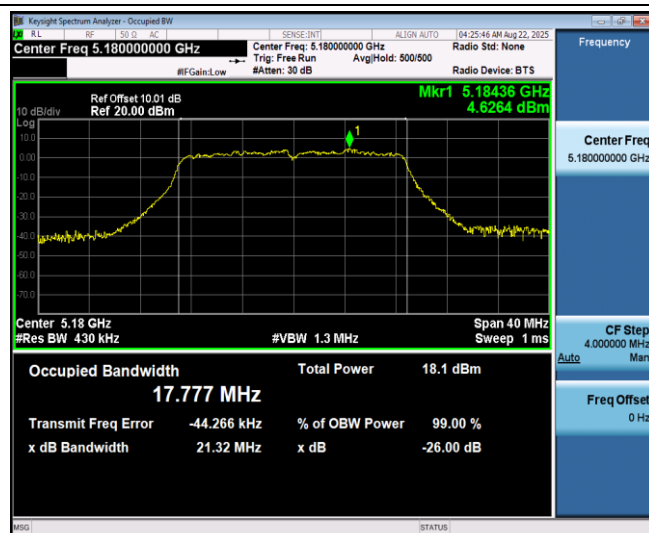
11A_Ant1_5200



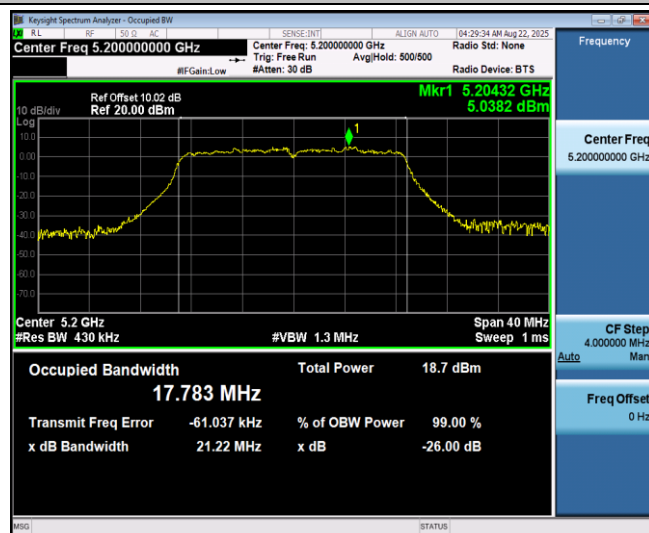
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



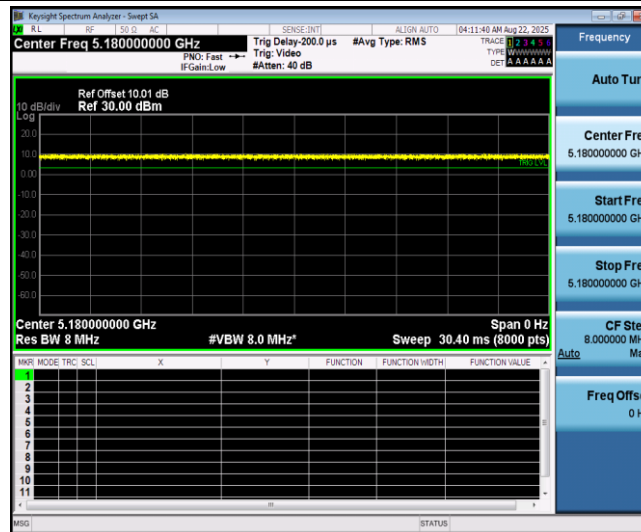
AppendixC.3: Duty Cycle

Test Result

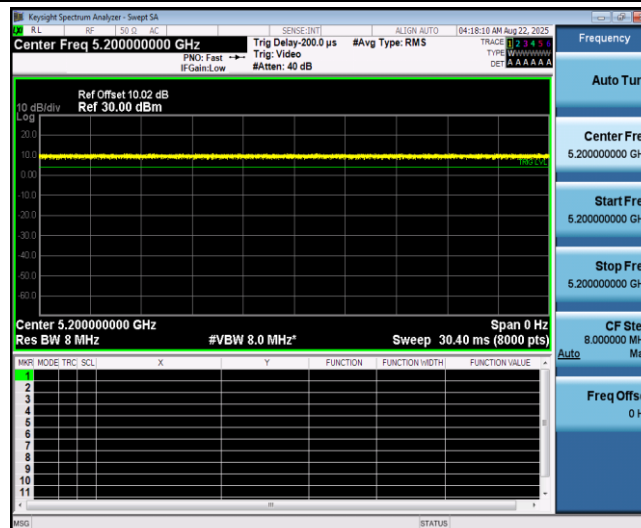
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200	30.00	30.00	100.00	0.00	0.03
		5240	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5180	30.00	30.00	100.00	0.00	0.03
		5200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

Test Graphs

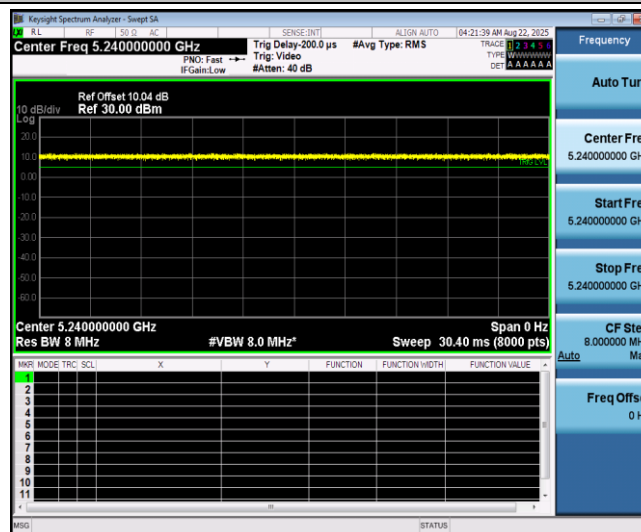
11A_Ant1_5180



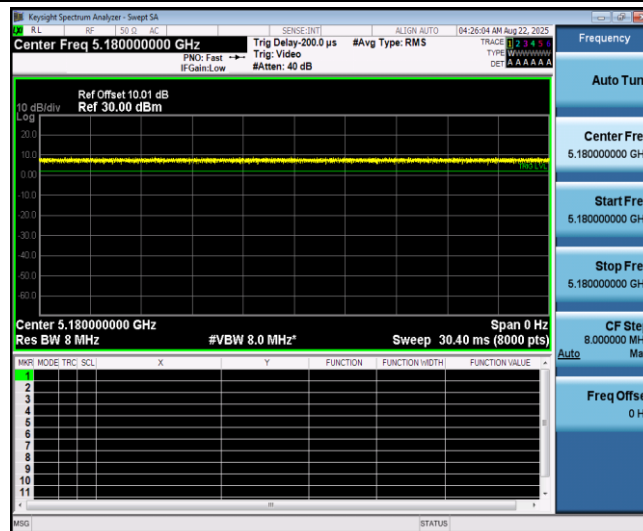
11A_Ant1_5200



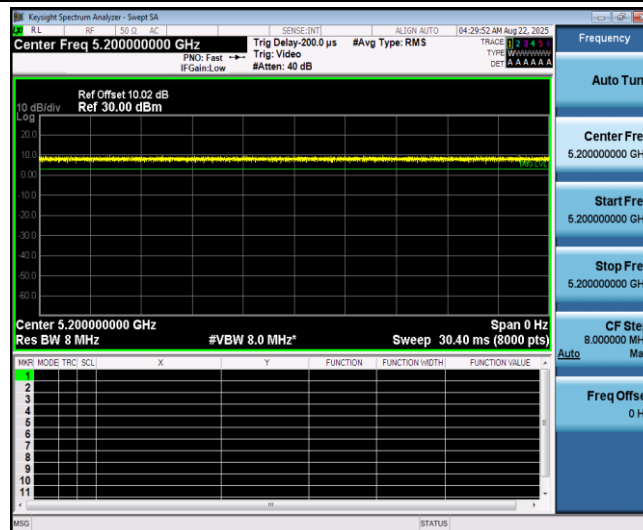
11A_Ant1_5240



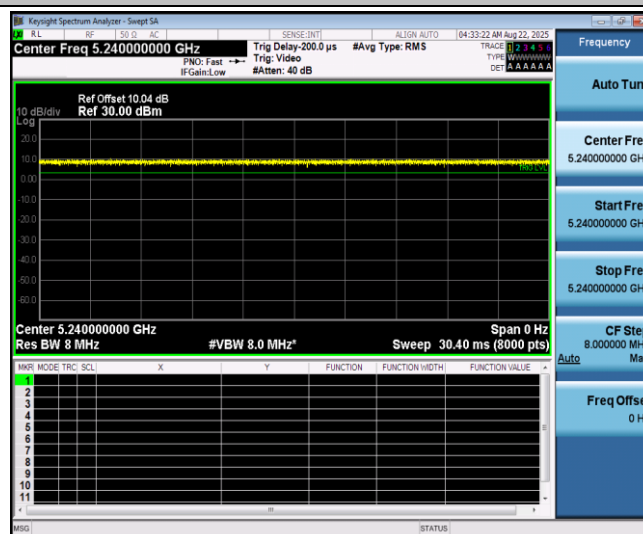
11N20SISO_Ant1_5180



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	17.11	100.00	0.00	17.11	≤23.98	PASS
		5200	17.56	100.00	0.00	17.56	≤23.98	PASS
		5240	17.37	100.00	0.00	17.37	≤23.98	PASS
11N20SISO	Ant1	5180	17.96	100.00	0.00	17.96	≤23.98	PASS
		5200	17.55	100.00	0.00	17.55	≤23.98	PASS
		5240	17.01	100.00	0.00	17.01	≤23.98	PASS

Appendix C.5: Maximum power spectral density

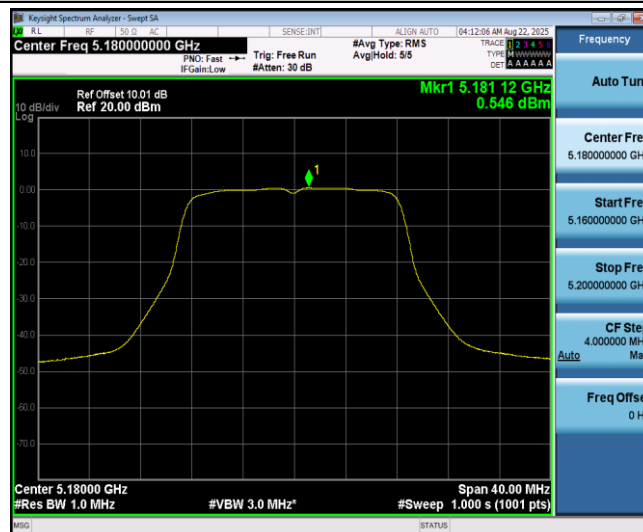
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.55	≤11.00	PASS
		5200	1.06	≤11.00	PASS
		5240	1.92	≤11.00	PASS
11N20SISO	Ant1	5180	-0.92	≤11.00	PASS
		5200	-0.32	≤11.00	PASS
		5240	0.28	≤11.00	PASS

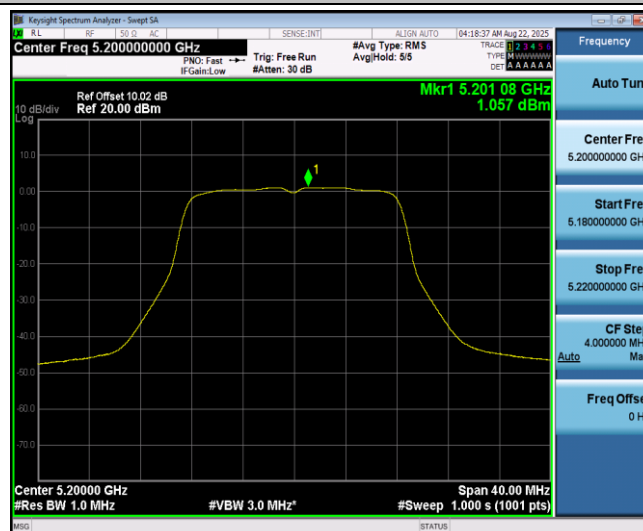
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

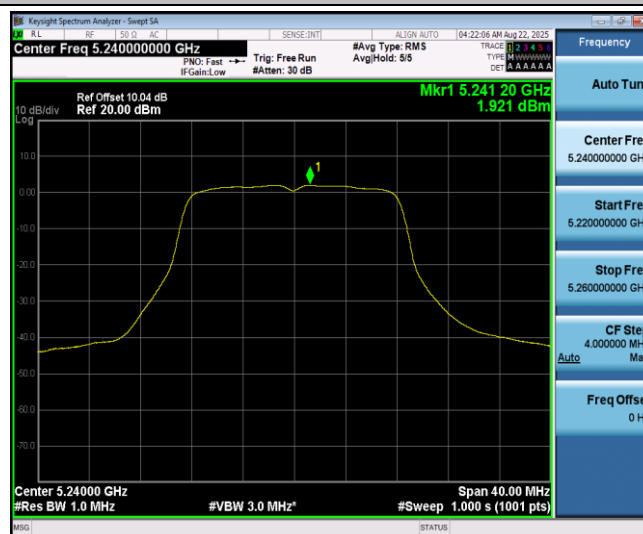
11A_Ant1_5180



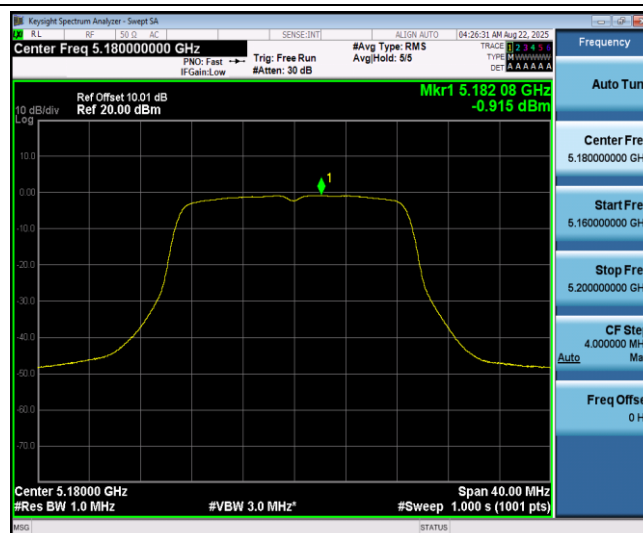
11A_Ant1_5200



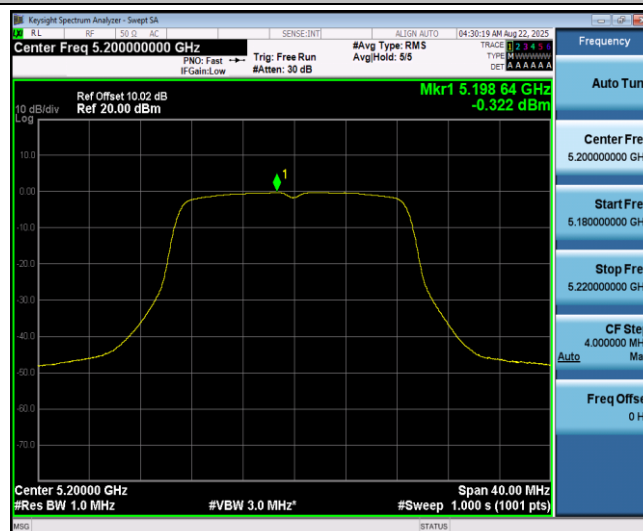
11A_Ant1_5240



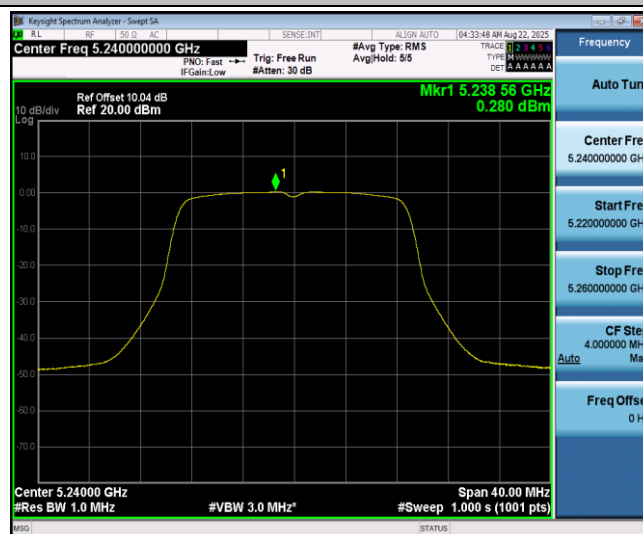
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



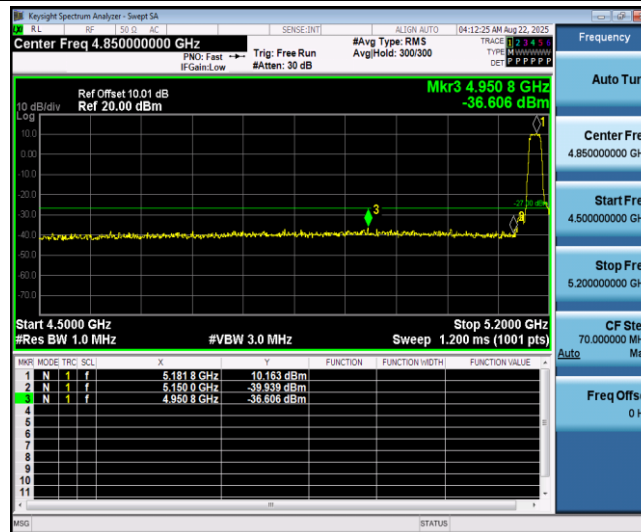
Appendix C.6:Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-36.61	≤-27	PASS
		High	5240	-36.19	≤-27	PASS
11N20SISO	Ant1	Low	5180	-36.72	≤-27	PASS
		High	5240	-37.2	≤-27	PASS

Test GraphsB1

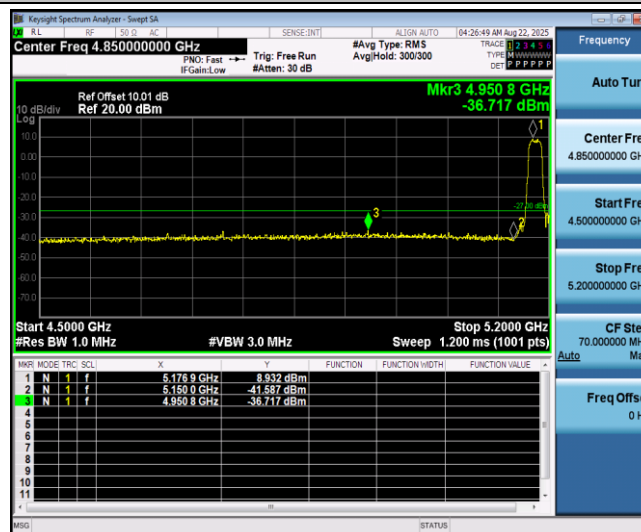
11A_Ant1_Low_5180

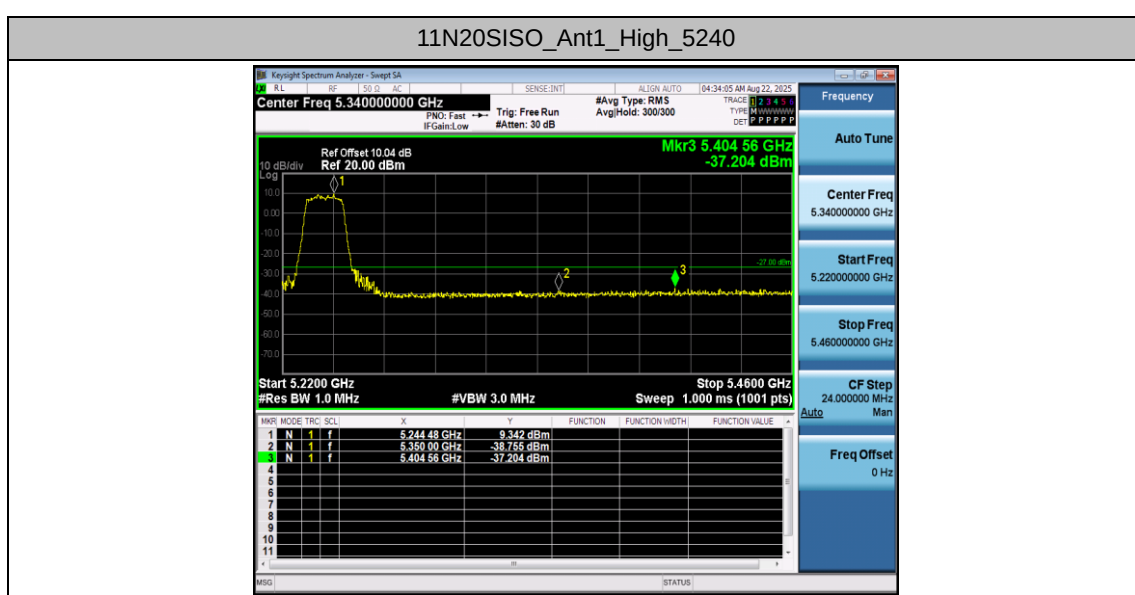


11A_Ant1_High_5240



11N20SISO_Ant1_Low_5180





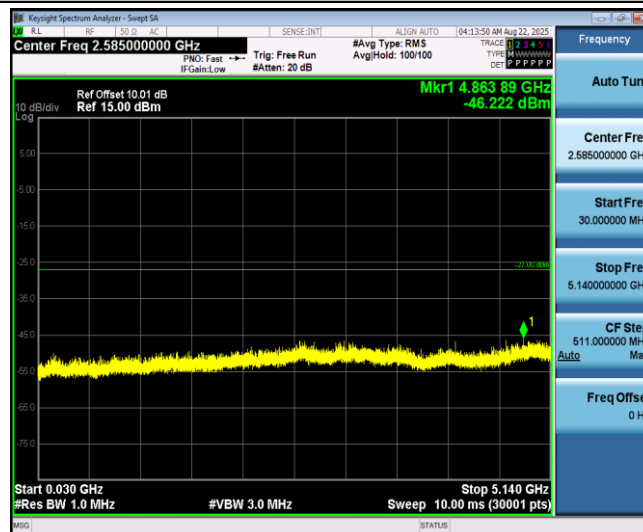
Appendix C.7:Conducted Spurious Emission

Test Result

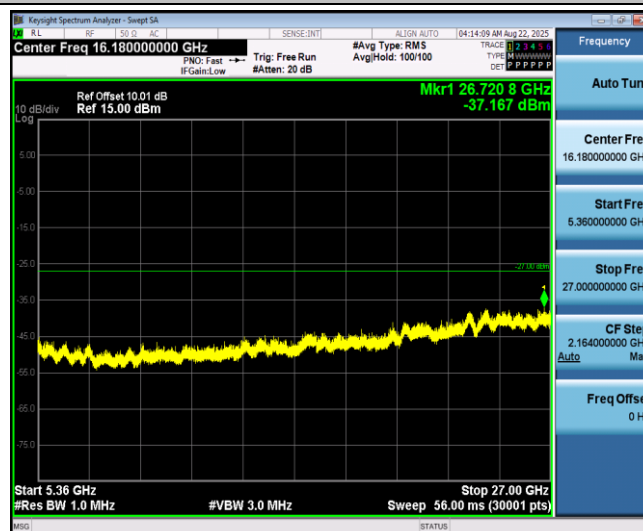
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	4863.89	-46.22	≤-27	PASS
			5360~27000	26720.84	-37.17	≤-27	PASS
		5200	30~5140	3029.57	-46.09	≤-27	PASS
			5360~27000	24194.01	-36.99	≤-27	PASS
		5240	30~5140	2434.08	-46.52	≤-27	PASS
			5360~27000	24215.65	-36.98	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	2586.36	-45.88	≤-27	PASS
			5360~27000	26431.59	-37.6	≤-27	PASS
		5200	30~5140	2702.53	-46.33	≤-27	PASS
			5360~27000	26545.56	-36.77	≤-27	PASS
		5240	30~5140	3282.69	-46.02	≤-27	PASS
			5360~27000	25477.27	-36.83	≤-27	PASS

Test Graphs

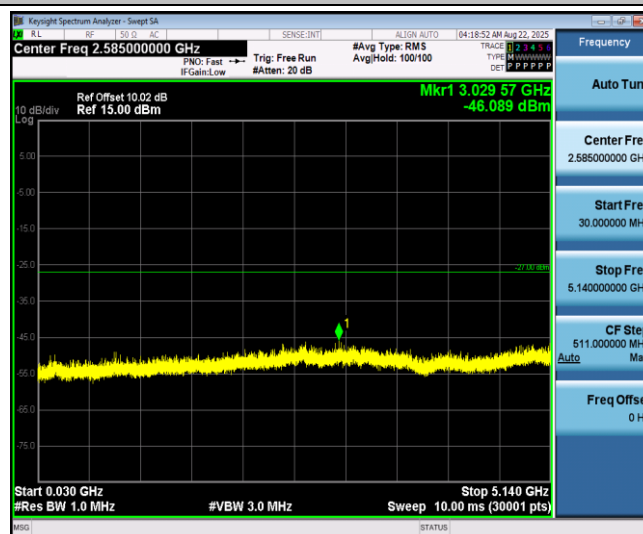
11A_Ant1_5180_30-5140



11A_Ant1_5180_5360-27000



11A_Ant1_5200_30-5140



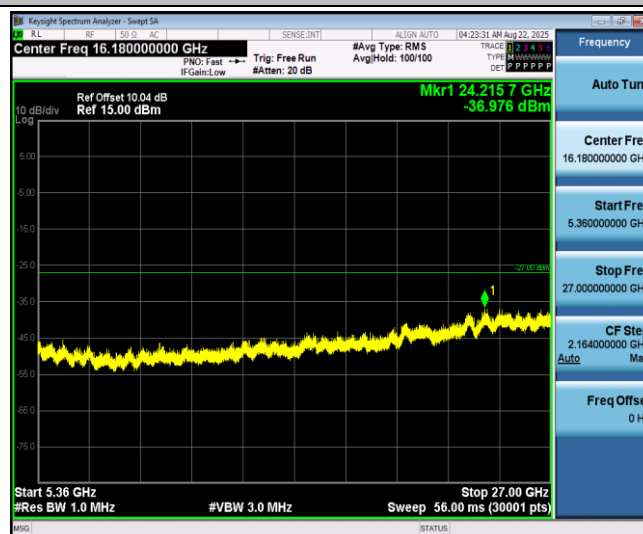
11A_Ant1_5200_5360-27000



11A_Ant1_5240_30-5140



11A_Ant1_5240_5360-27000



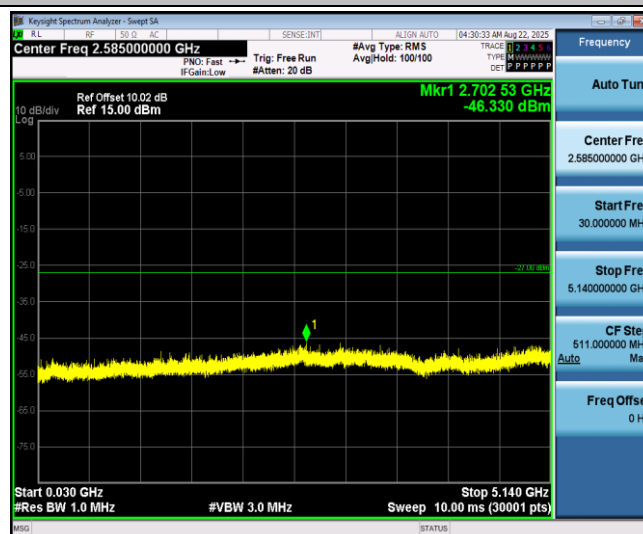
11N20SISO_Ant1_5180_30-5140



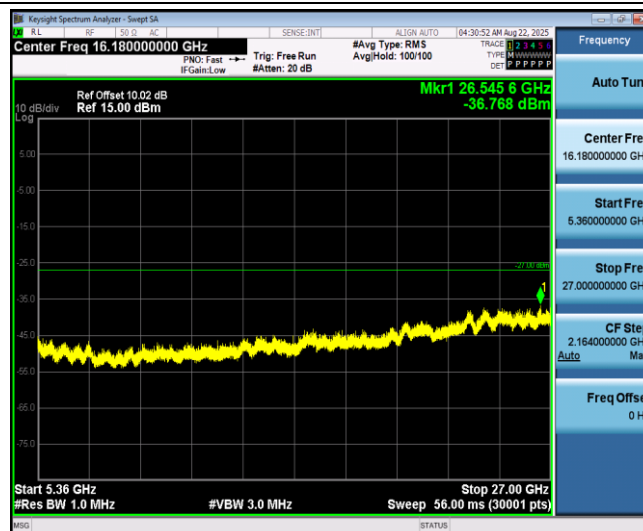
11N20SISO_Ant1_5180_5360~27000



11N20SISO_Ant1_5200_30~5140



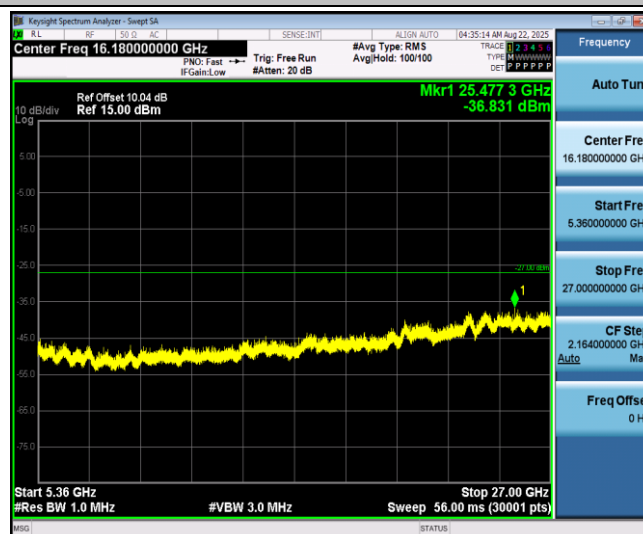
11N20SISO_Ant1_5200_5360~27000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~27000



Appendix C.8:Emissions in Restricted Bands

Test Result

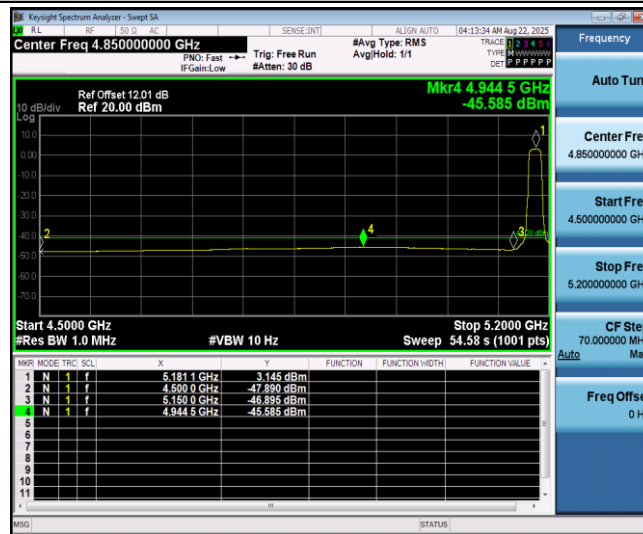
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-47.89	≤-41.20	47.31	≤54	PASS
				AV	4944.500	-45.59	≤-41.20	49.61	≤54	PASS
				AV	5150.000	-46.9	≤-41.20	48.30	≤54	PASS
				Peak	4500.000	-45.86	≤-21.20	49.34	≤74	PASS
				Peak	5021.500	-36.6	≤-21.20	58.60	≤74	PASS
				Peak	5150.000	-38.91	≤-21.20	56.29	≤74	PASS
		High	5240	AV	5350.000	-46.67	≤-41.20	48.53	≤54	PASS
				AV	5456.400	-45.75	≤-41.20	49.45	≤54	PASS
				AV	5460.000	-45.79	≤-41.20	49.41	≤54	PASS
				Peak	5350.000	-40.59	≤-21.20	54.61	≤74	PASS
				Peak	5459.520	-37.2	≤-21.20	58.00	≤74	PASS
				Peak	5460.000	-39.04	≤-21.20	56.16	≤74	PASS
11N20SISO	Ant1	Low	5180	AV	4500.000	-47.88	≤-41.20	47.32	≤54	PASS
				AV	4945.900	-45.57	≤-41.20	49.63	≤54	PASS
				AV	5150.000	-46.95	≤-41.20	48.25	≤54	PASS
				Peak	4500.000	-41.58	≤-21.20	53.62	≤74	PASS
				Peak	4903.200	-37.75	≤-21.20	57.45	≤74	PASS
				Peak	5150.000	-43.54	≤-21.20	51.66	≤74	PASS
		High	5240	AV	5350.000	-46.66	≤-41.20	48.54	≤54	PASS
				AV	5457.840	-45.74	≤-41.20	49.46	≤54	PASS
				AV	5460.000	-45.81	≤-41.20	49.39	≤54	PASS
				Peak	5350.000	-45.71	≤-21.20	49.49	≤74	PASS
				Peak	5445.120	-36.62	≤-21.20	58.58	≤74	PASS
				Peak	5460.000	-42.07	≤-21.20	53.13	≤74	PASS

Note:

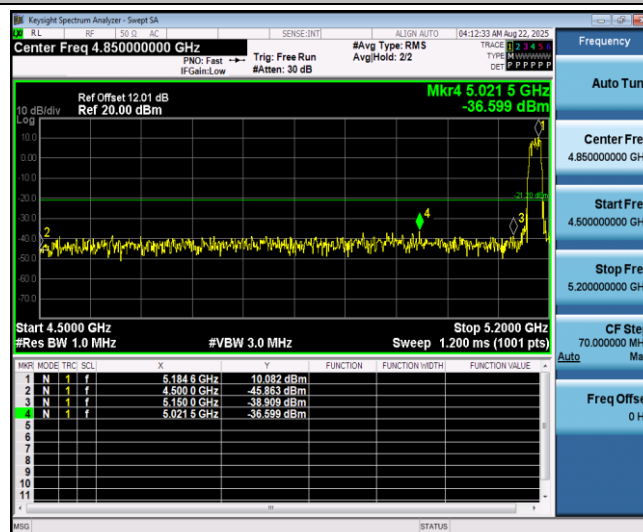
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

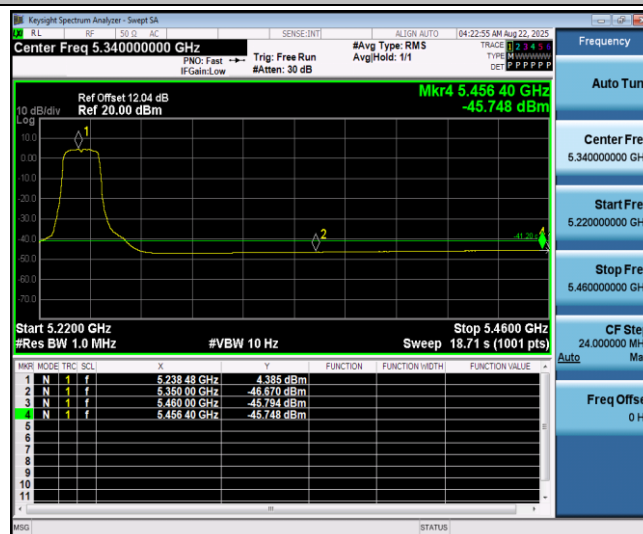
11A_Ant1_Low_5180_AV



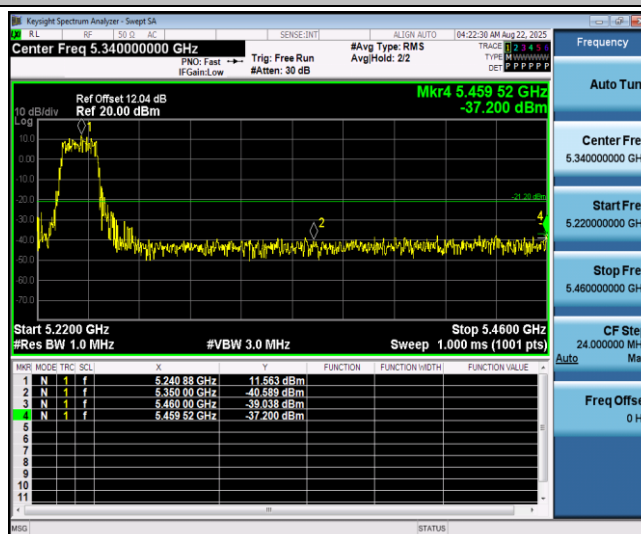
11A_Ant1_Low_5180_Peak



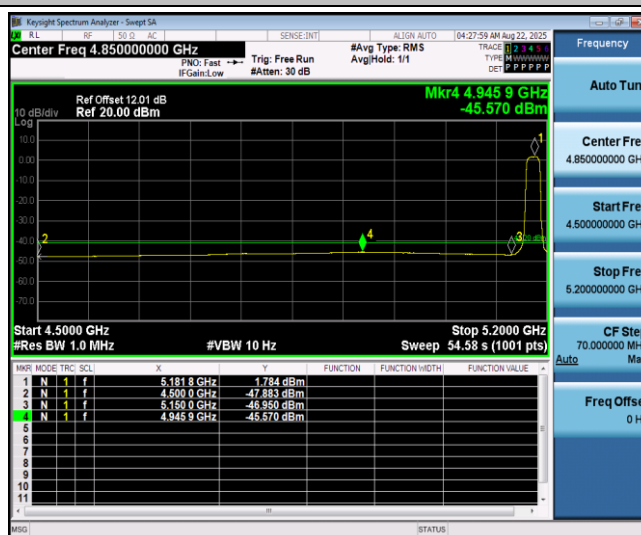
11A_Ant1_High_5240_AV



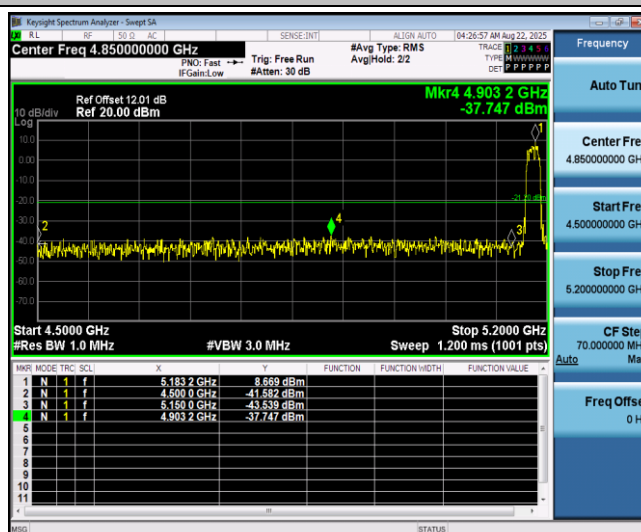
11A_Ant1_High_5240_Peak



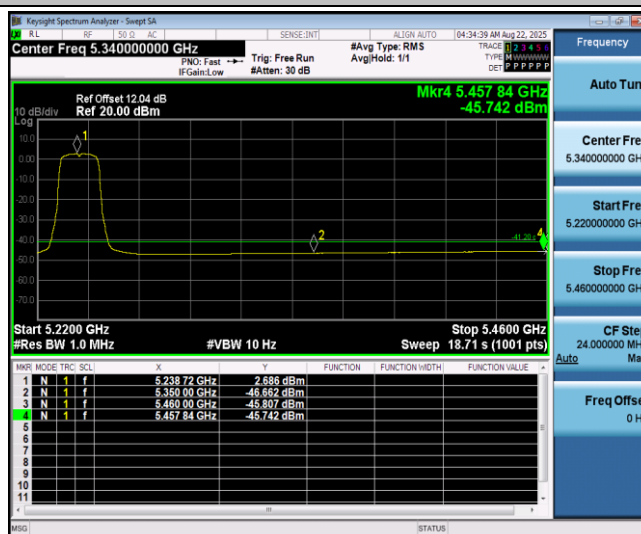
11N20SISO_Ant1_Low_5180_AV



11N20SISO_Ant1_Low_5180_Peak



11N20SISO_Ant1_High_5240_AV



11N20SISO_Ant1_High_5240_Peak

