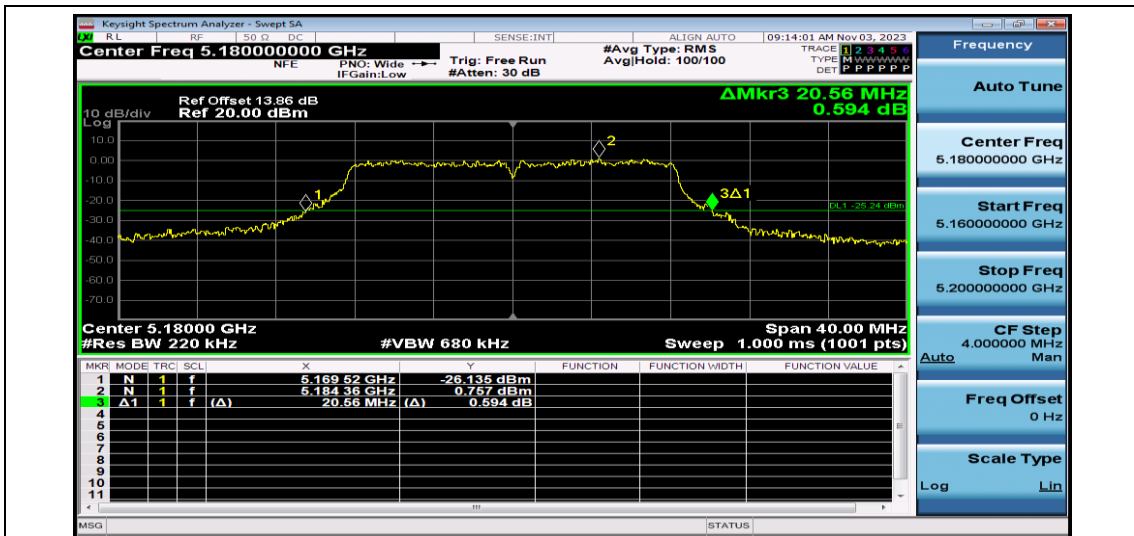


Appendix A1: Emission Bandwidth

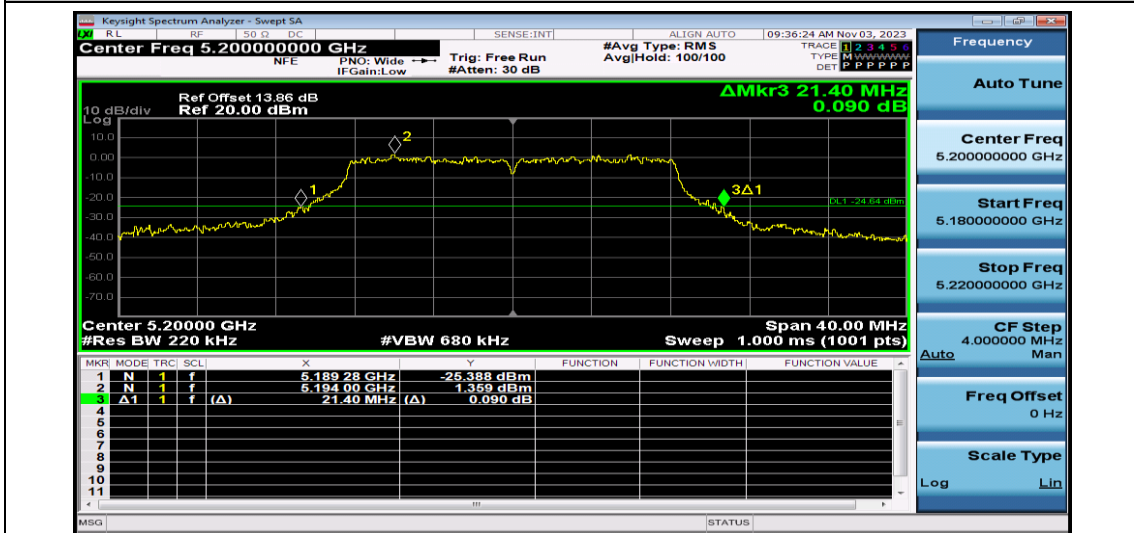
Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.560	5169.520	5190.080	---	---
11A	Ant1	5200	21.400	5189.280	5210.680	---	---
11A	Ant1	5240	20.920	5229.680	5250.600	---	---
11N20SISO	Ant1	5180	22.080	5168.760	5190.840	---	---
11N20SISO	Ant1	5200	21.960	5188.760	5210.720	---	---
11N20SISO	Ant1	5240	22.120	5228.720	5250.840	---	---

Test Graphs



11A-Ant1-5180



11A-Ant1-5200



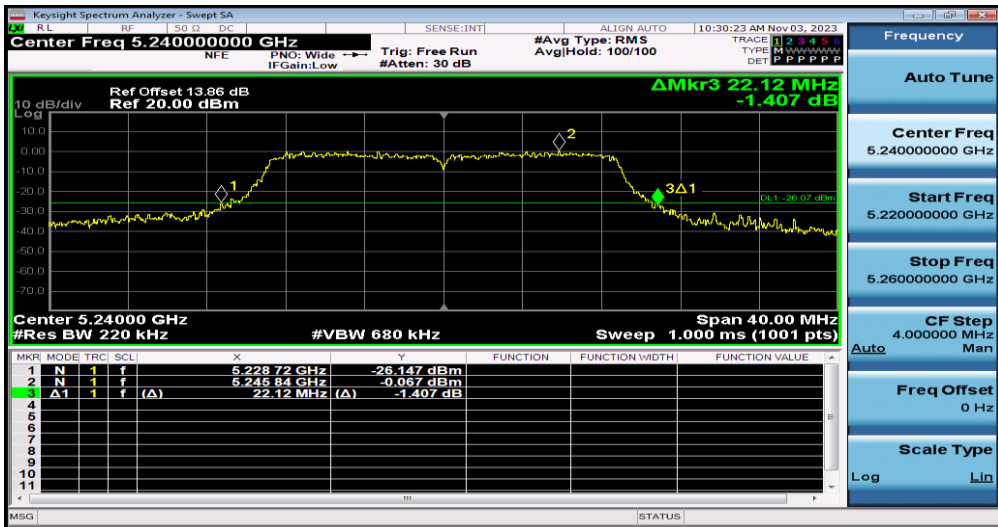
11A-Ant1-5240



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



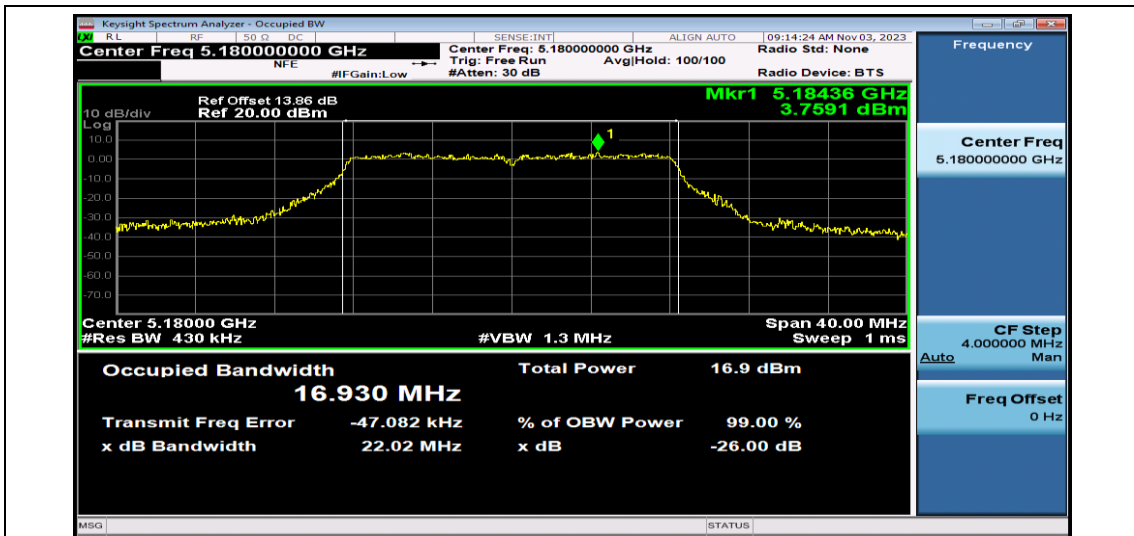
11N20SISO-Ant1-5240

Appendix A2: Occupied channel bandwidth

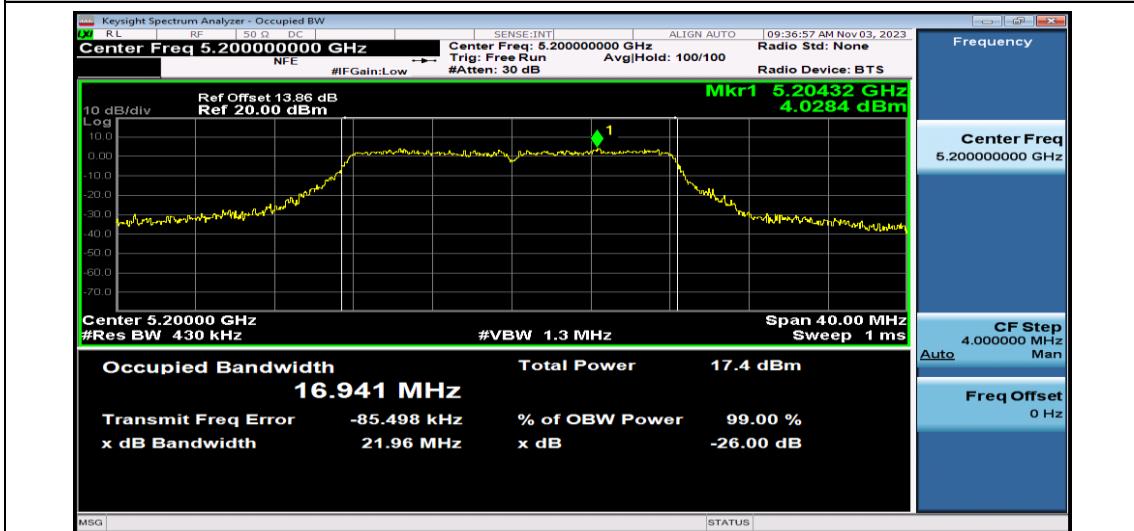
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.930	5171.4879	5188.4179	---	---
11A	Ant1	5200	16.941	5191.4440	5208.3850	---	---
11A	Ant1	5240	16.936	5231.4756	5248.4116	---	---
11N20SISO	Ant1	5180	18.080	5170.9010	5188.9810	---	---
11N20SISO	Ant1	5200	18.076	5190.8903	5208.9663	---	---
11N20SISO	Ant1	5240	18.062	5230.9708	5249.0328	---	---

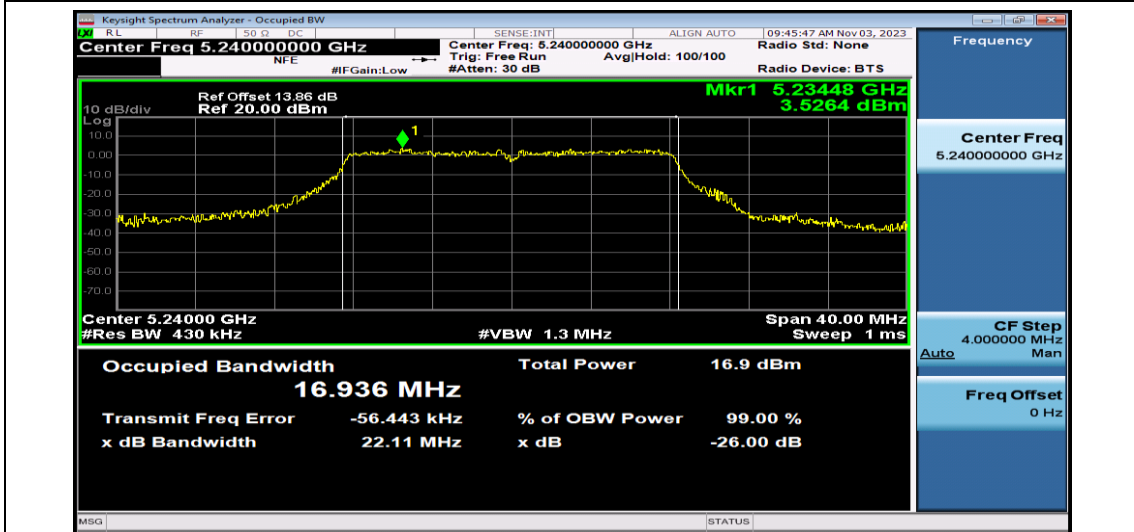
Test Graphs



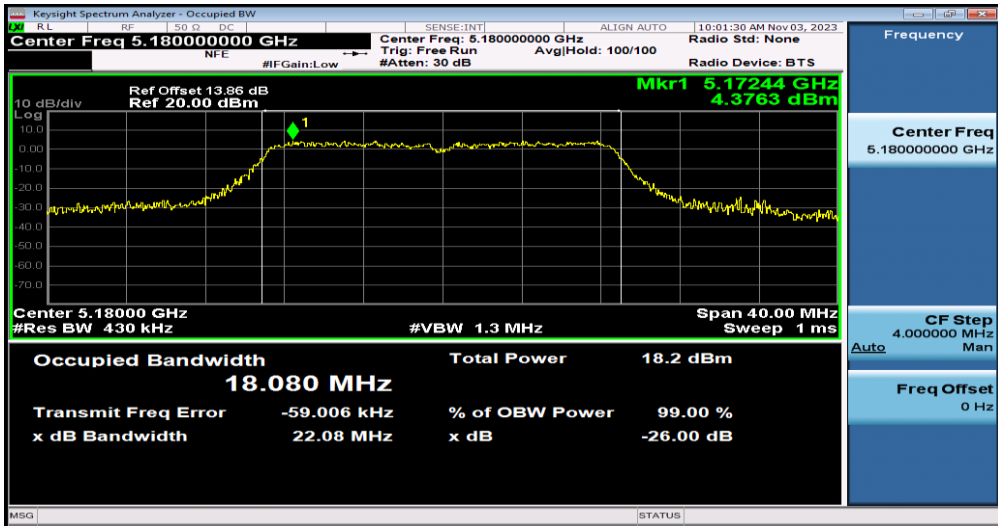
11A-Ant1-5180



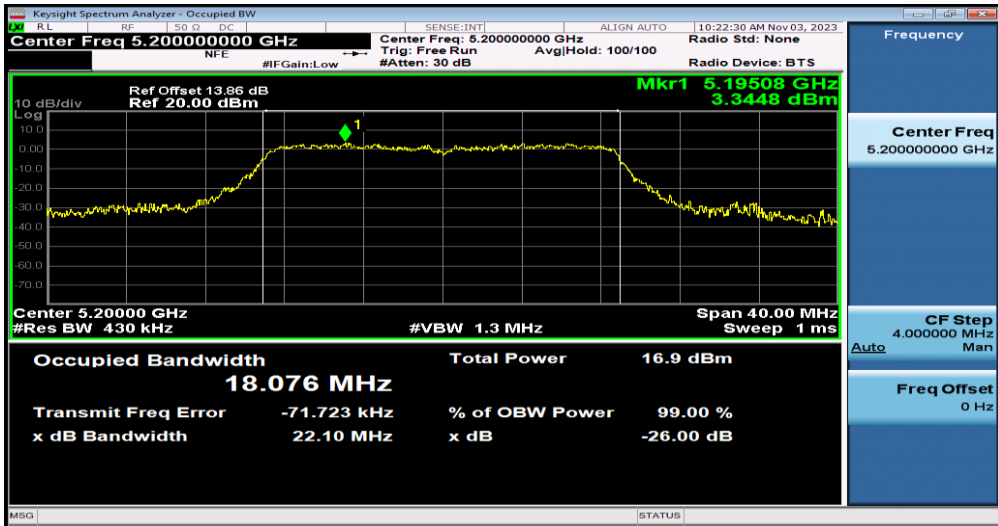
11A-Ant1-5200



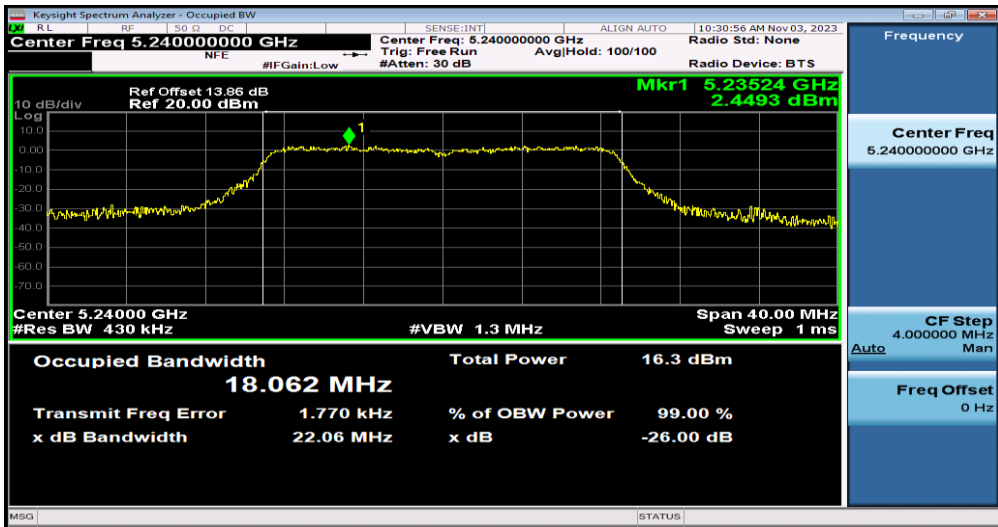
11A-Ant1-5240



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



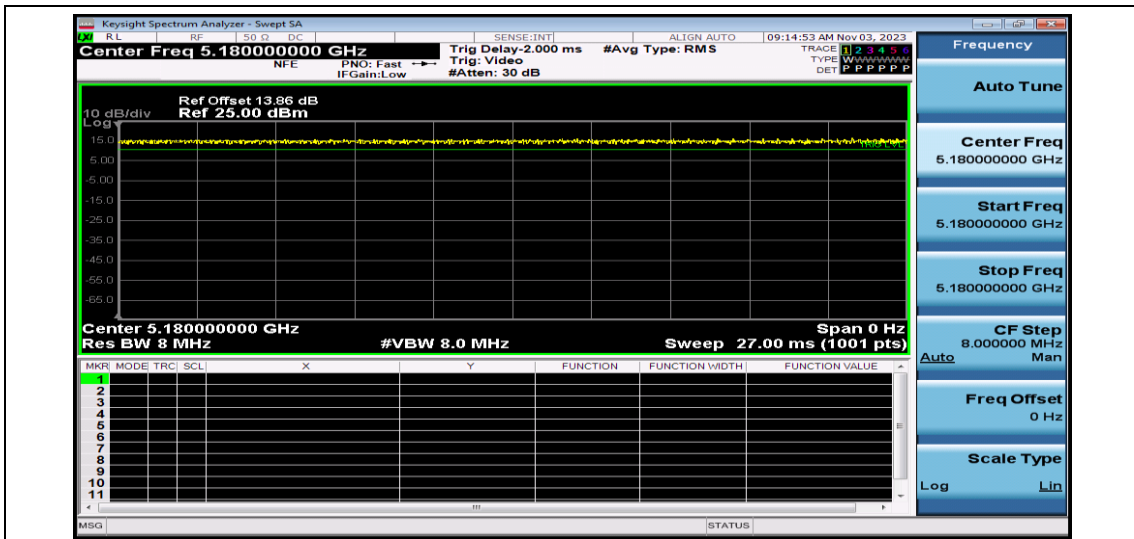
11N20SISO-Ant1-5240

Appendix B: Duty Cycle

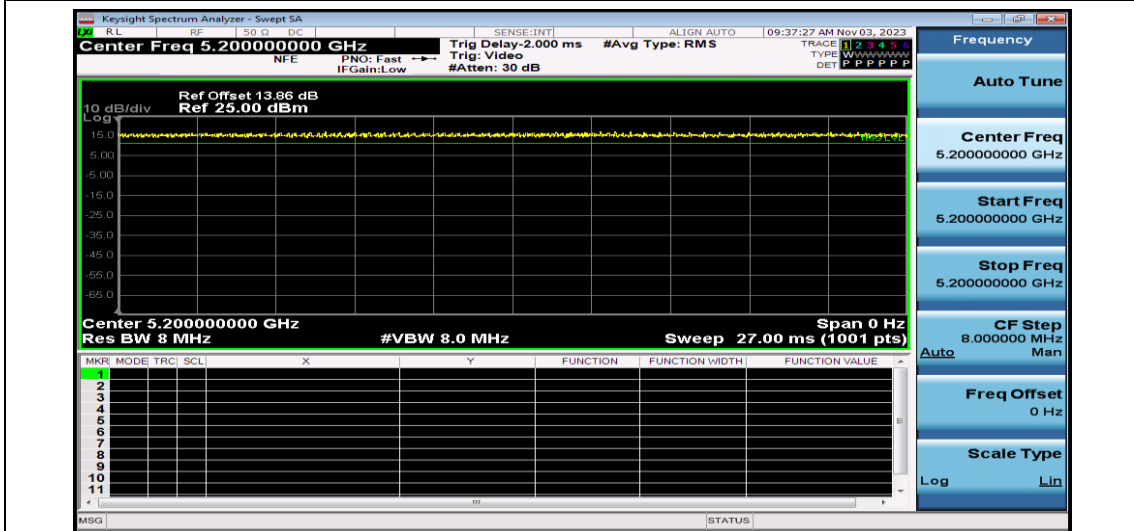
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	27.00	27.00	100.00
11A	Ant1	5200	27.00	27.00	100.00
11A	Ant1	5240	27.00	27.00	100.00
11N20SISO	Ant1	5180	27.00	27.00	100.00
11N20SISO	Ant1	5200	27.00	27.00	100.00
11N20SISO	Ant1	5240	27.00	27.00	100.00

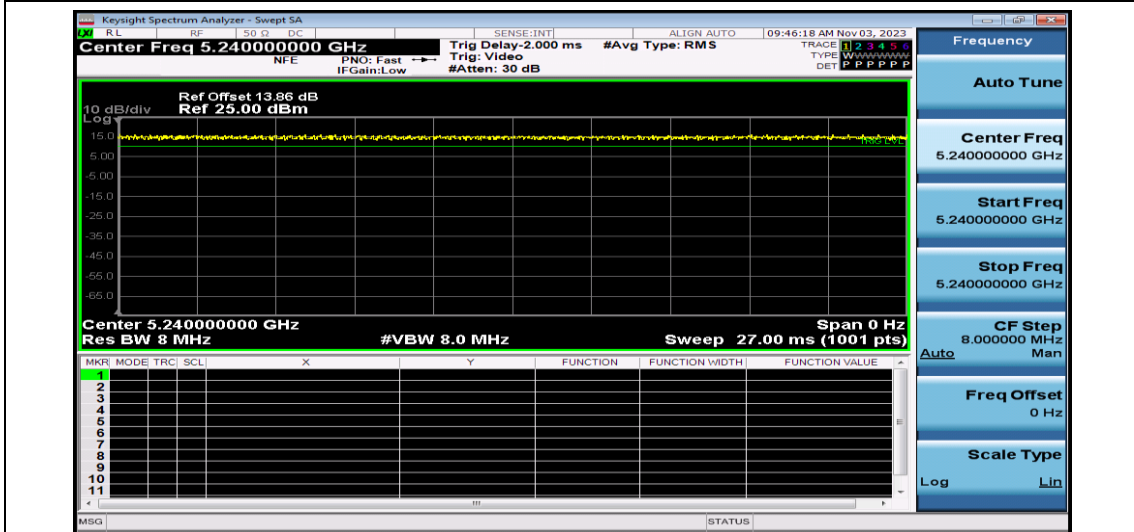
Test Graphs



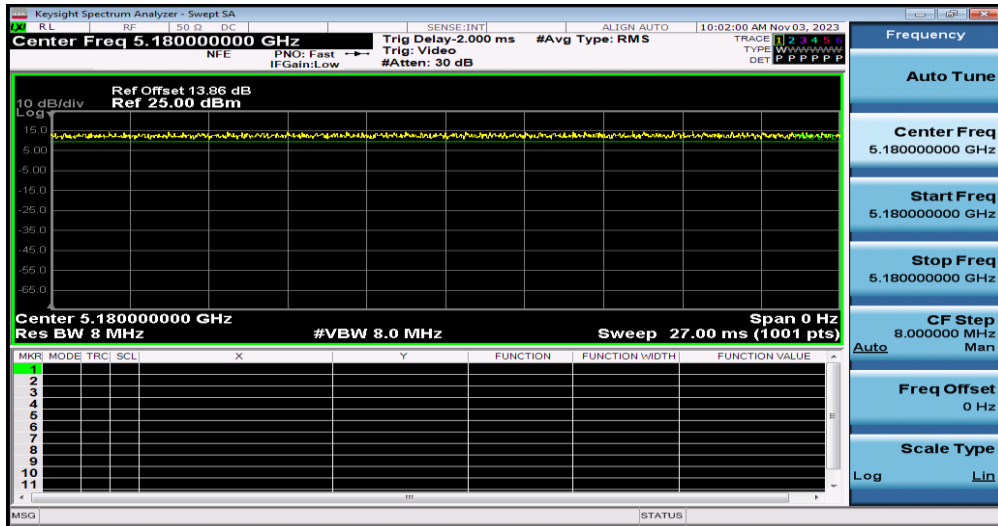
NTNV-11A-Ant1-5180



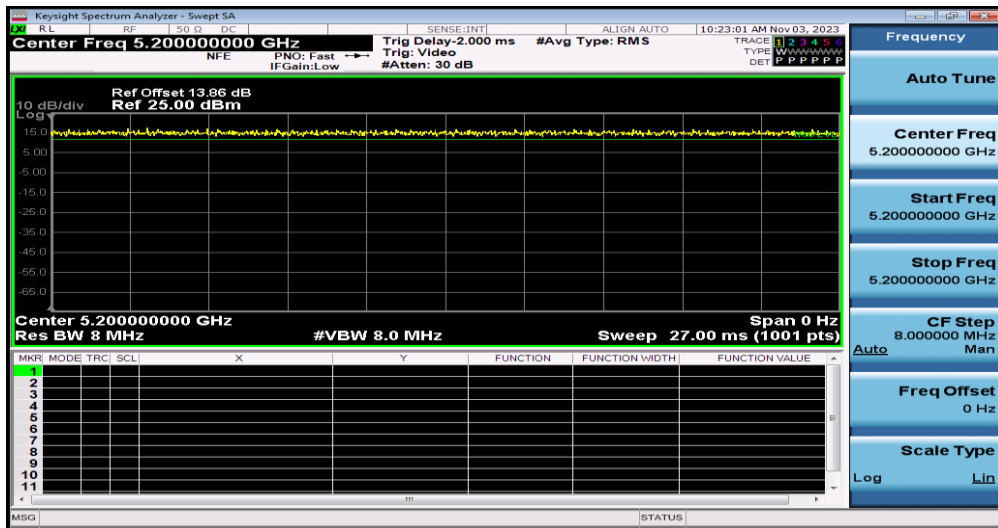
NTNV-11A-Ant1-5200



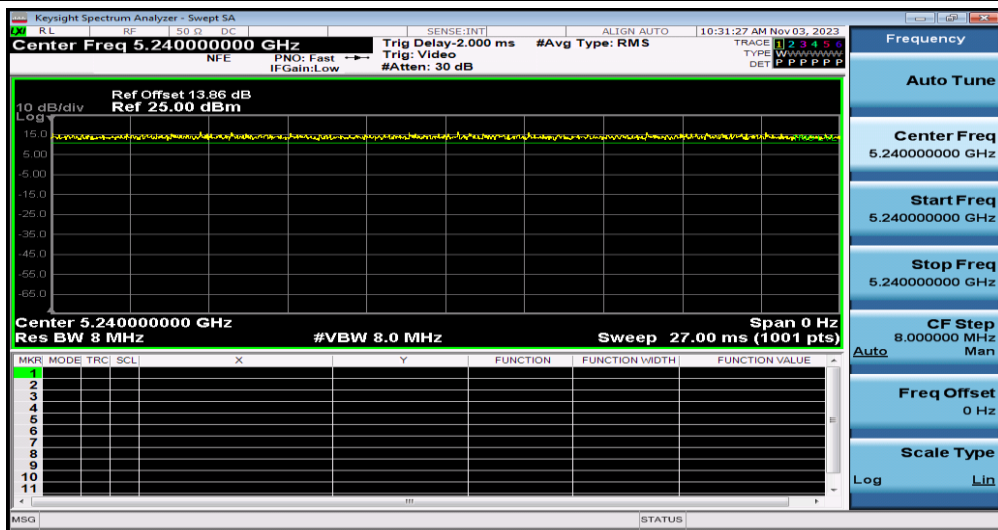
NTNV-11A-Ant1-5240



NTNV-11N20SISO-Ant1-5180



NTNV-11N20SISO-Ant1-5200



NTNV-11N20SISO-Ant1-5240

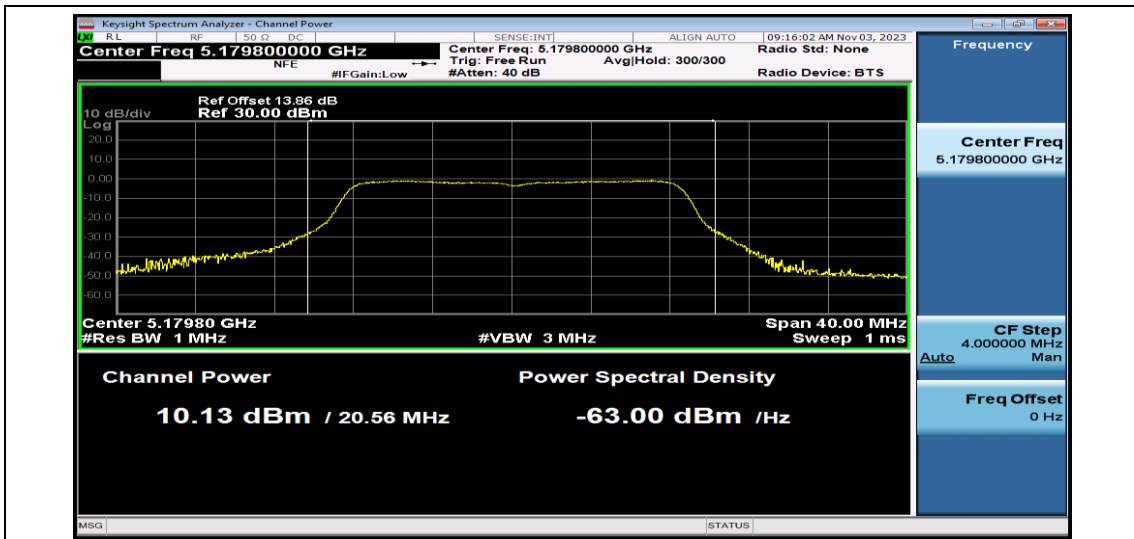
Appendix C: Maximum conducted output power

Test Result Channel Power

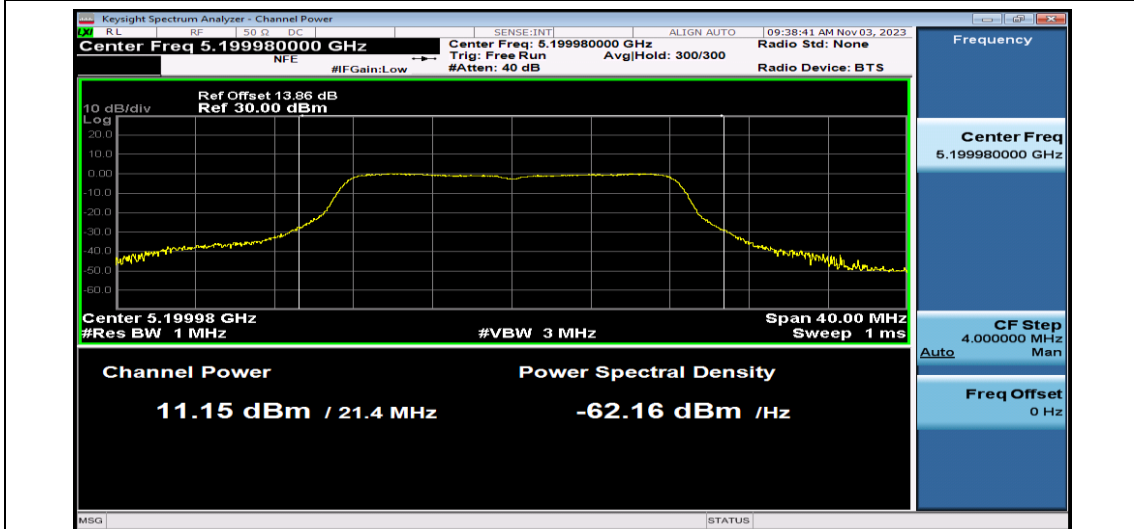
Test Mode	Antenna	Frequency [MHz]	Set Power	TPC Mode	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5180	---	NA	10.13	100.00	0.00	10.13	≤23.98	-0.97	9.16	---	PASS
11A	Ant1	5200	---	NA	11.15	100.00	0.00	11.15	≤23.98	-0.97	10.18	---	PASS
11A	Ant1	5240	---	NA	10.80	100.00	0.00	10.80	≤23.98	-0.97	9.83	---	PASS
11N20SI SO	Ant1	5180	---	NA	10.73	100.00	0.00	10.73	≤23.98	-0.97	9.76	---	PASS
11N20SI SO	Ant1	5200	---	NA	10.69	100.00	0.00	10.69	≤23.98	-0.97	9.72	---	PASS
11N20SI SO	Ant1	5240	---	NA	9.54	100.00	0.00	9.54	≤23.98	-0.97	8.57	---	PASS

Note: The Duty Cycle Factor is compensated in the graph.

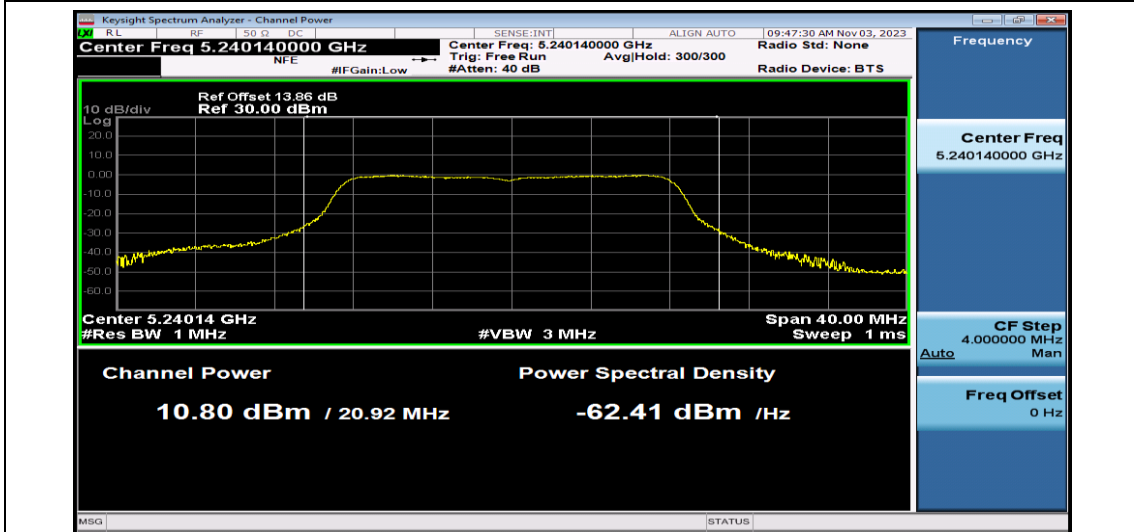
Test Graphs Channel Power



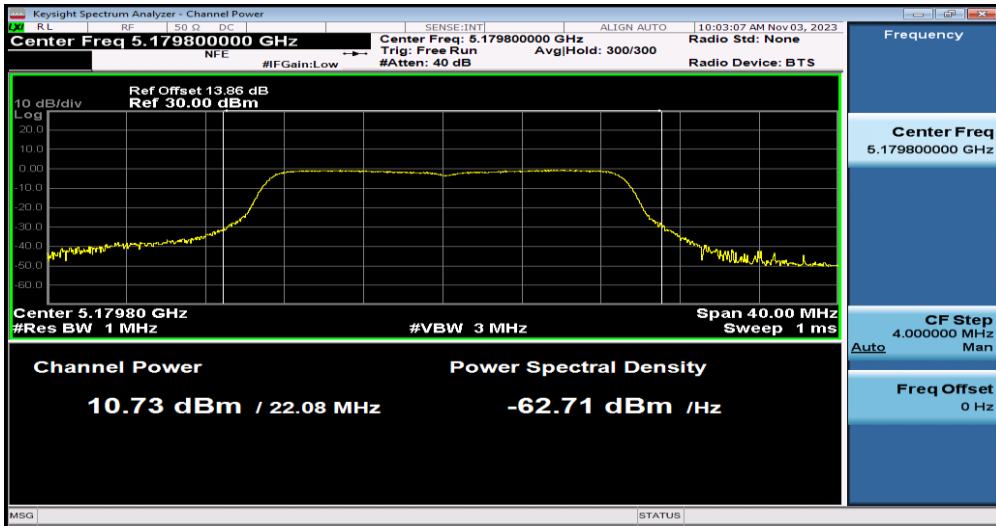
11A-Ant1-5180



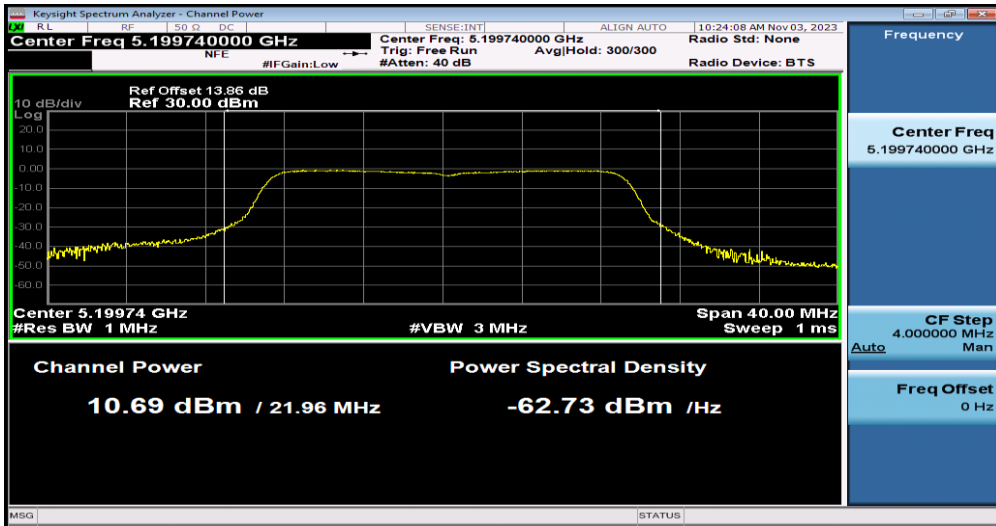
11A-Ant1-5200



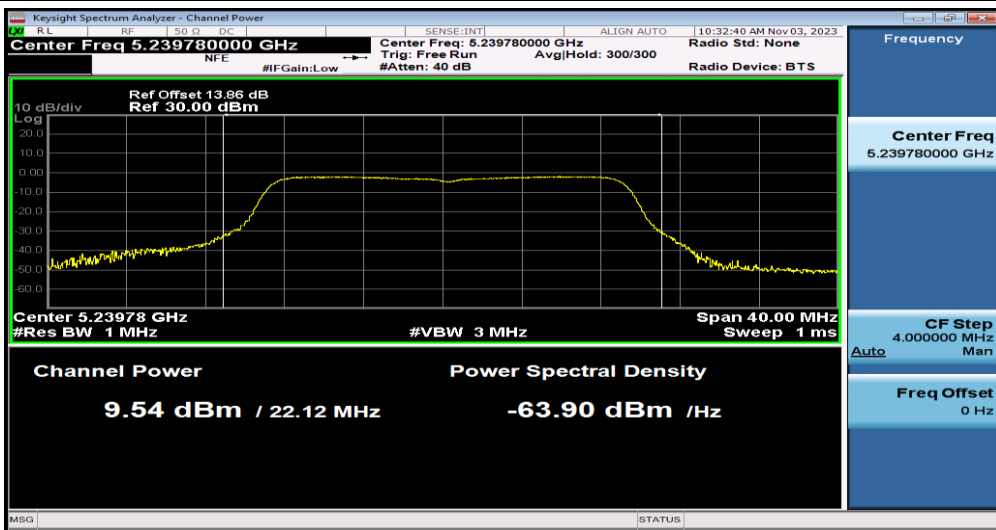
11A-Ant1-5240



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240

Appendix D: Maximum power spectral density

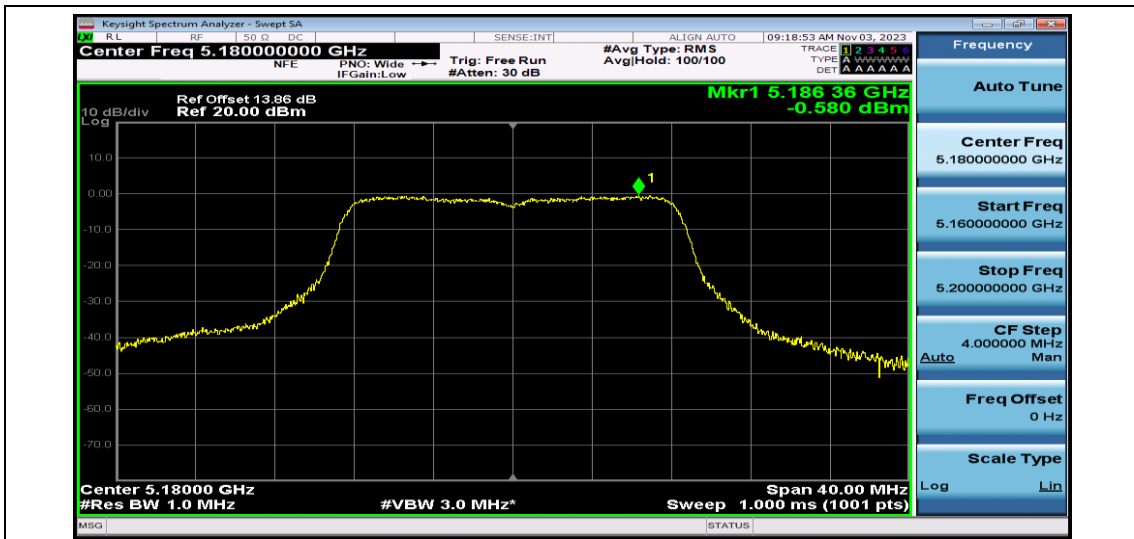
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.58	≤11.00	PASS
11A	Ant1	5200	0.14	≤11.00	PASS
11A	Ant1	5240	-0.56	≤11.00	PASS
11N20SISO	Ant1	5180	-1.15	≤11.00	PASS
11N20SISO	Ant1	5200	-0.49	≤11.00	PASS
11N20SISO	Ant1	5240	-1.63	≤11.00	PASS

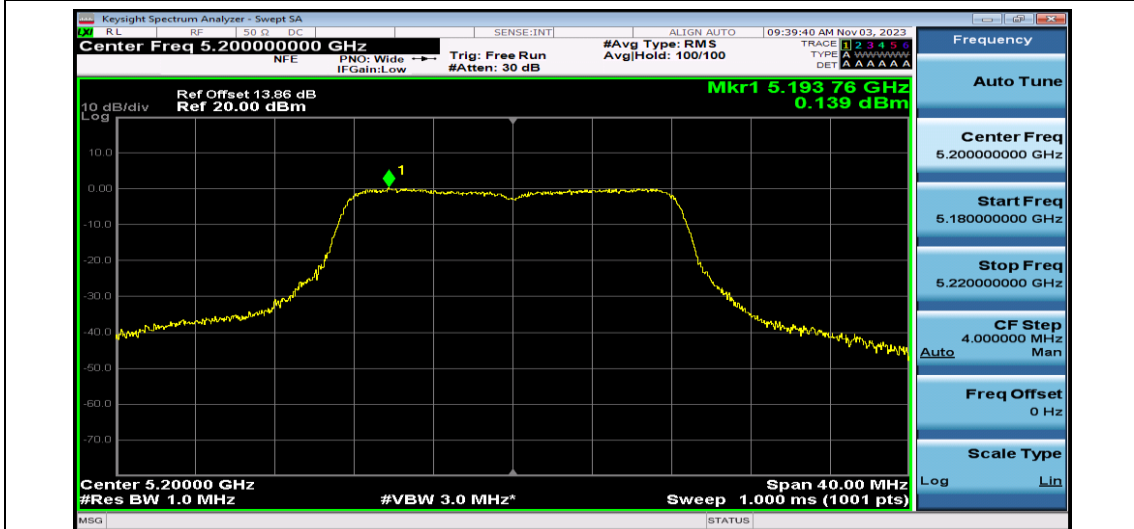
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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

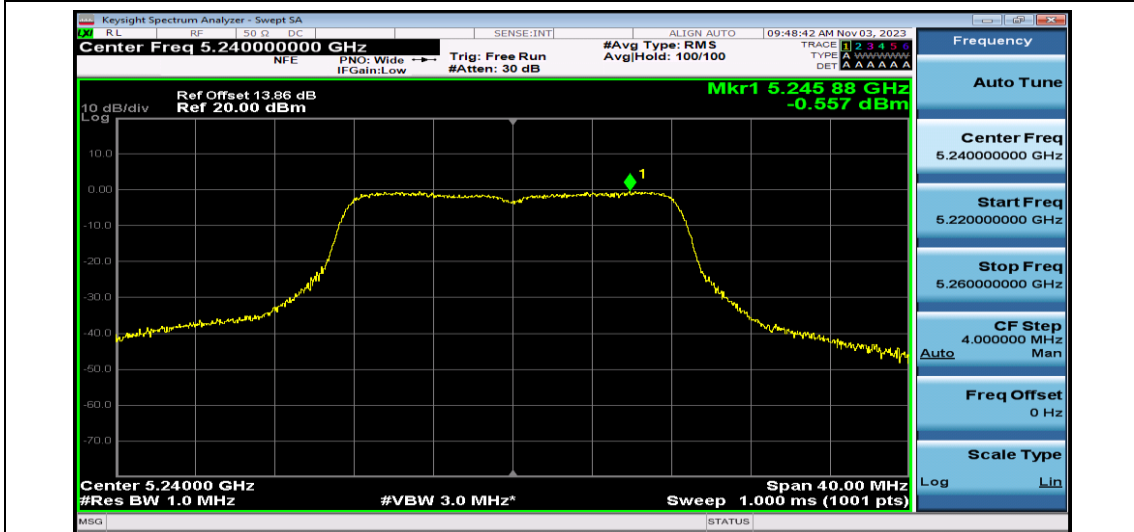
Test Graphs



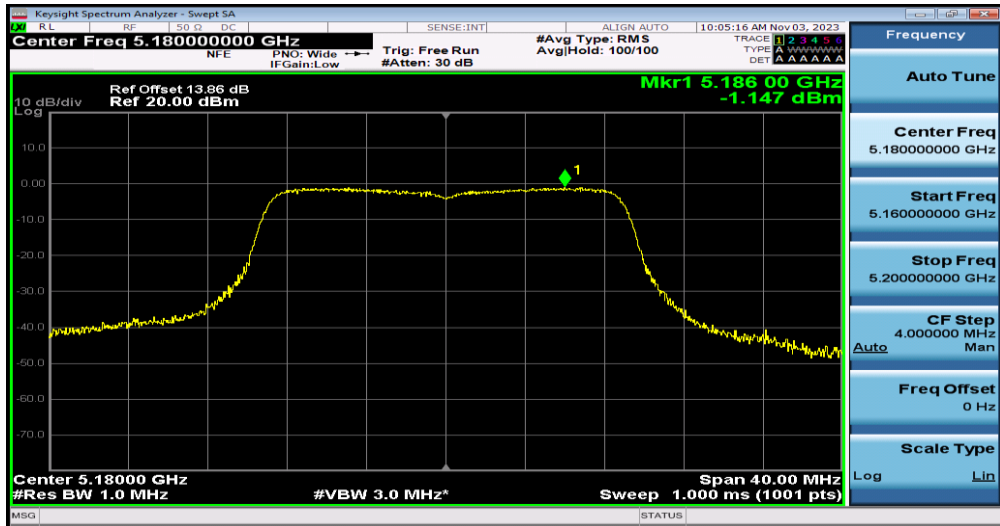
11A-Ant1-5180



11A-Ant1-5200



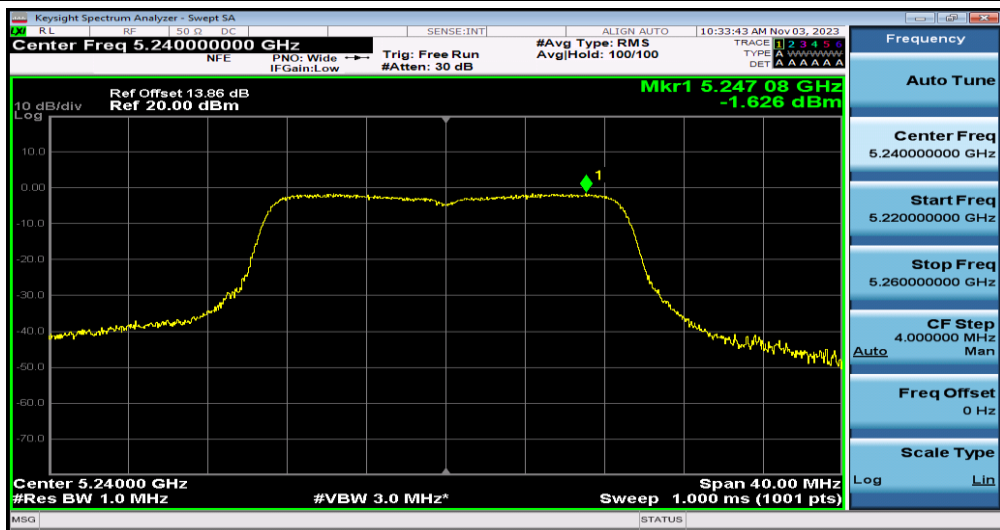
11A-Ant1-5240



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



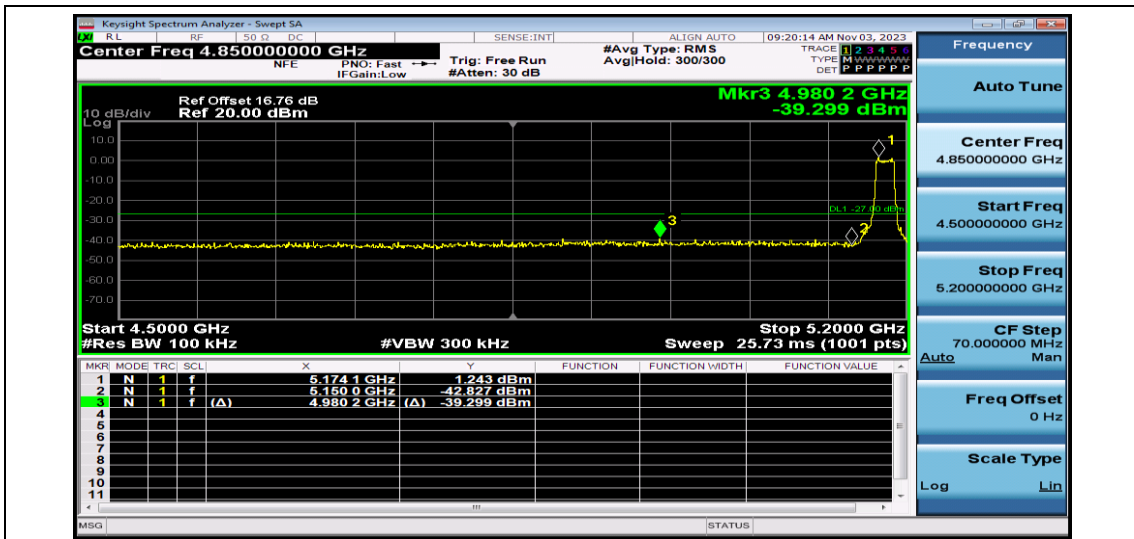
11N20SISO-Ant1-5240

Appendix E: Band edge measurements

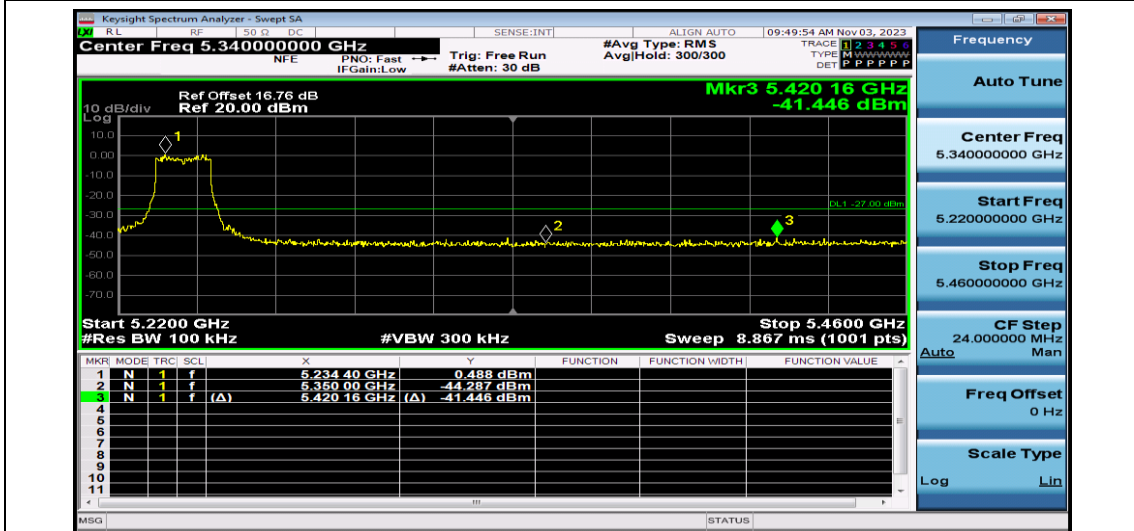
Test Result B1/2/3

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-39.3	≤-27	PASS
11A	Ant1	High	5240	-41.45	≤-27	PASS
11N20SISO	Ant1	Low	5180	-39.78	≤-27	PASS
11N20SISO	Ant1	High	5240	-41.96	≤-27	PASS

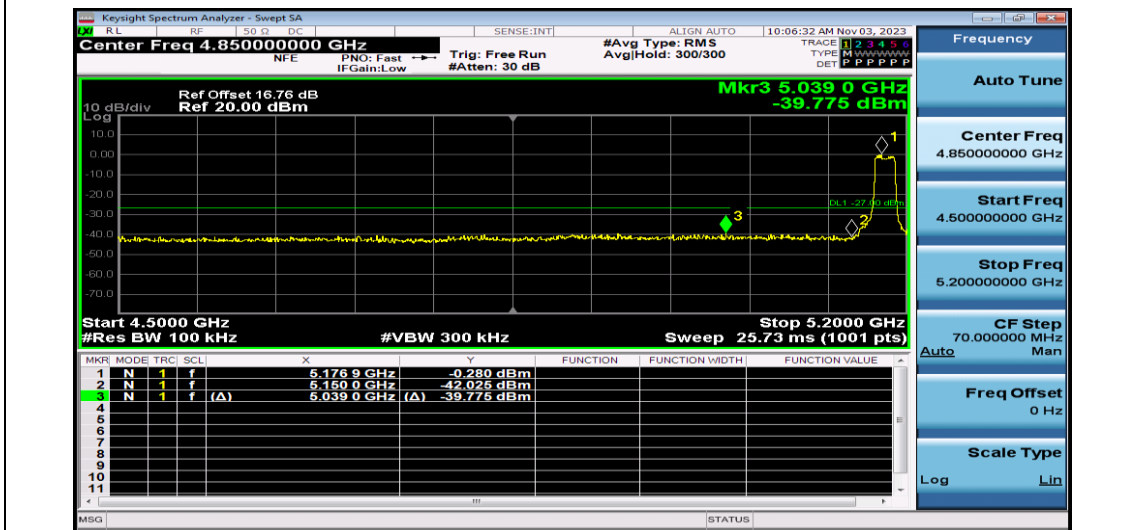
Test Graphs B1/2/3



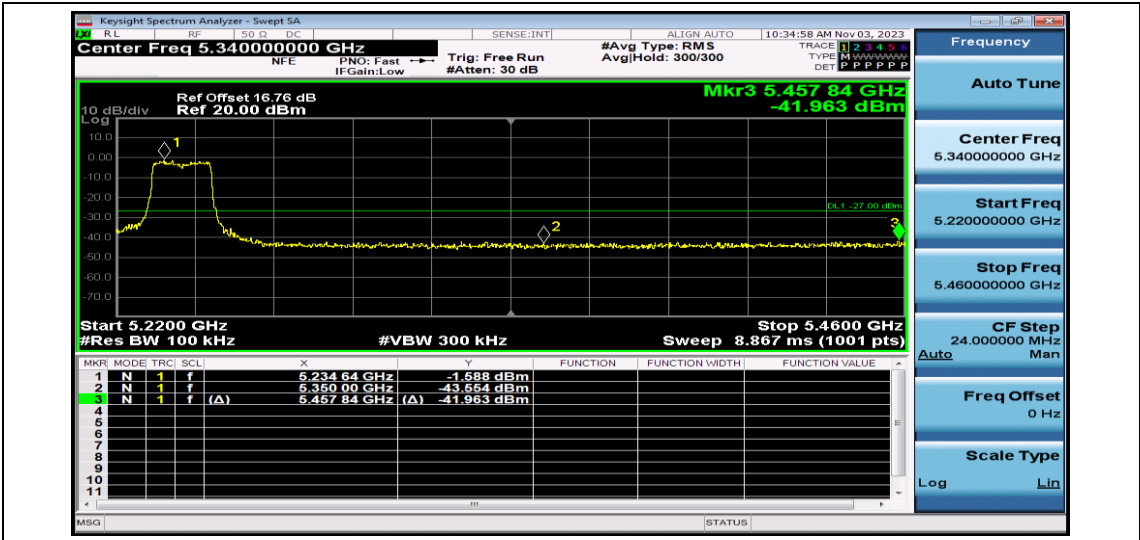
11A-Ant1-5180



11A-Ant1-5240



11N20SISO-Ant1-5180



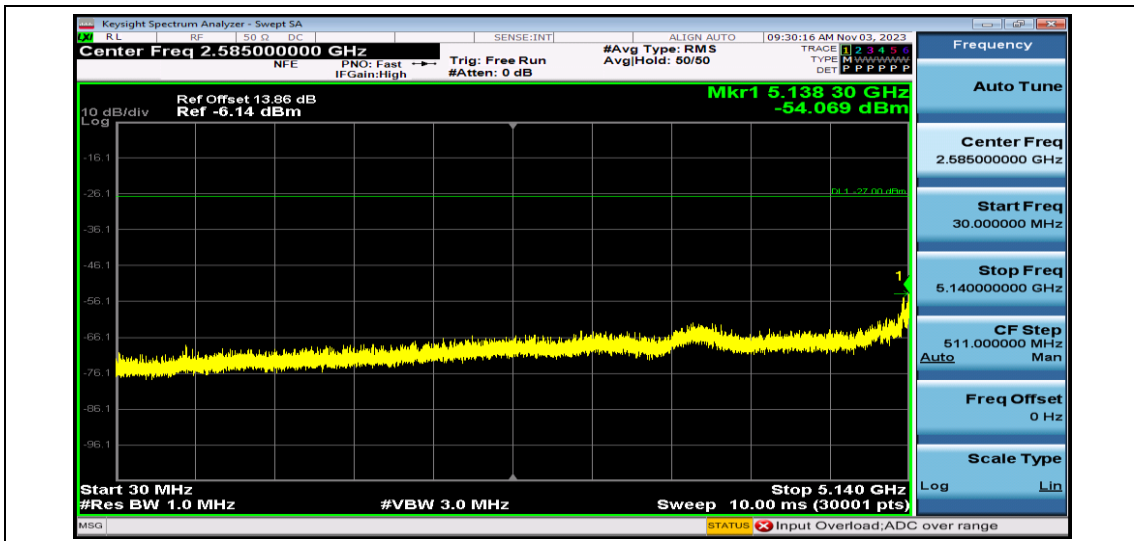
11N20SISO-Ant1-5240

Appendix F: Conducted Spurious Emission

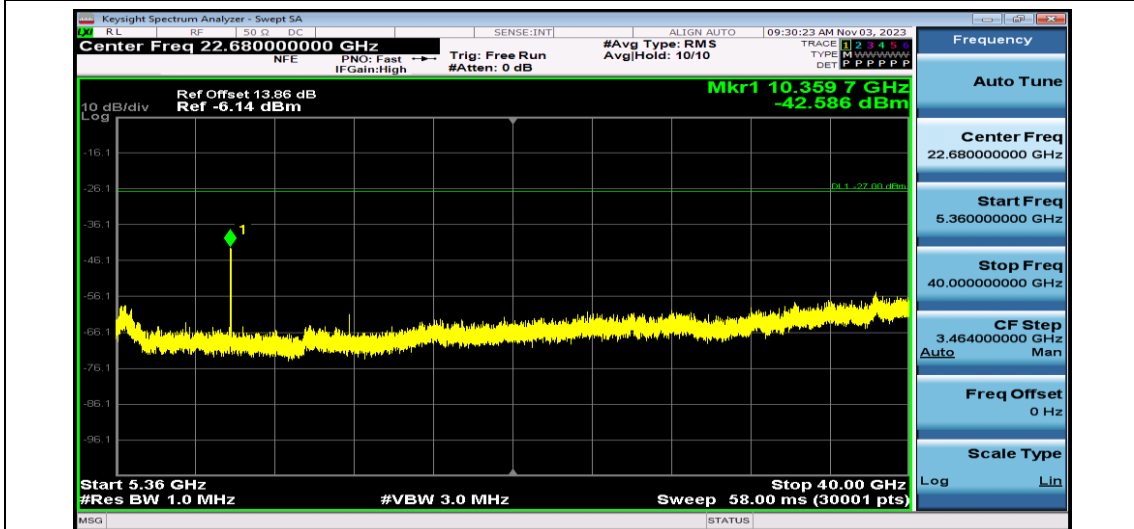
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5138.3	-54.07	≤-27	
11A	Ant1	5180	5360~40000	10359.71	-42.59	≤-27	
11A	Ant1	5200	30~5140	5119.22	-55.29	≤-27	
11A	Ant1	5200	5360~40000	10397.81	-40.2	≤-27	
11A	Ant1	5240	30~5140	5124.84	-59.54	≤-27	
11A	Ant1	5240	5360~40000	10479.79	-38	≤-27	
11N20SISO	Ant1	5180	30~5140	5136.76	-50.84	≤-27	
11N20SISO	Ant1	5180	5360~40000	10358.55	-41.63	≤-27	
11N20SISO	Ant1	5200	30~5140	5118.2	-56.52	≤-27	
11N20SISO	Ant1	5200	5360~40000	10392.04	-37.85	≤-27	
11N20SISO	Ant1	5240	30~5140	5045.29	-60.31	≤-27	
11N20SISO	Ant1	5240	5360~40000	10476.33	-39.09	≤-27	

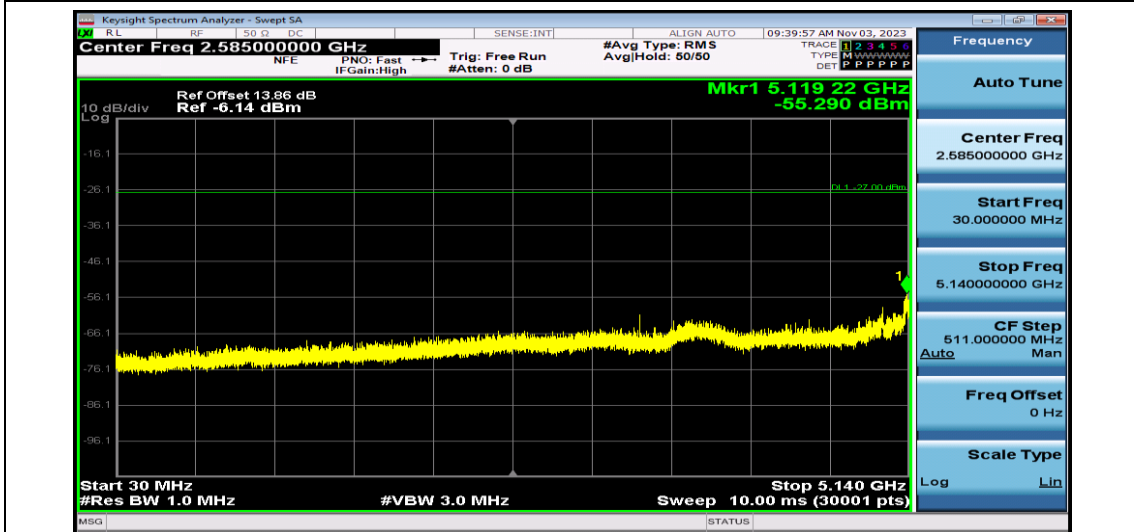
Test Graphs



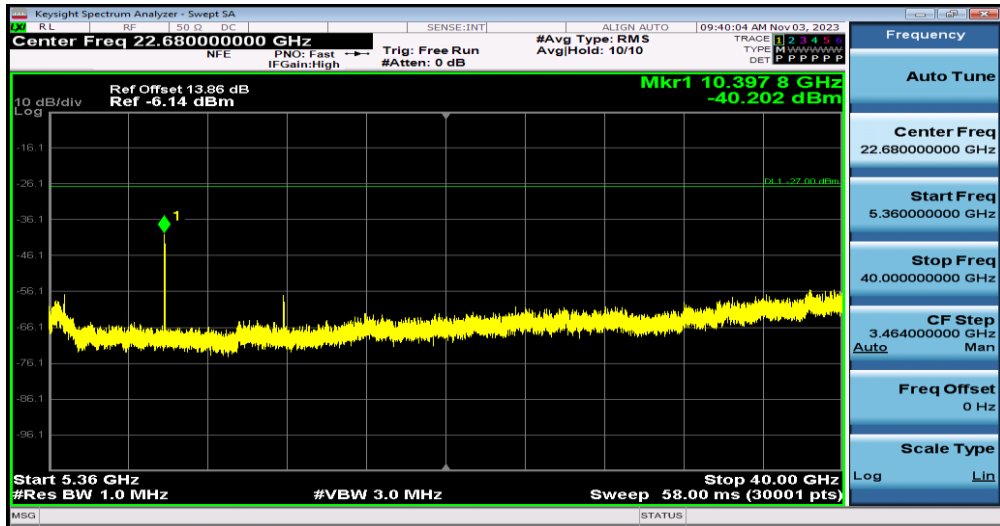
11A-Ant1-5180-30~5140



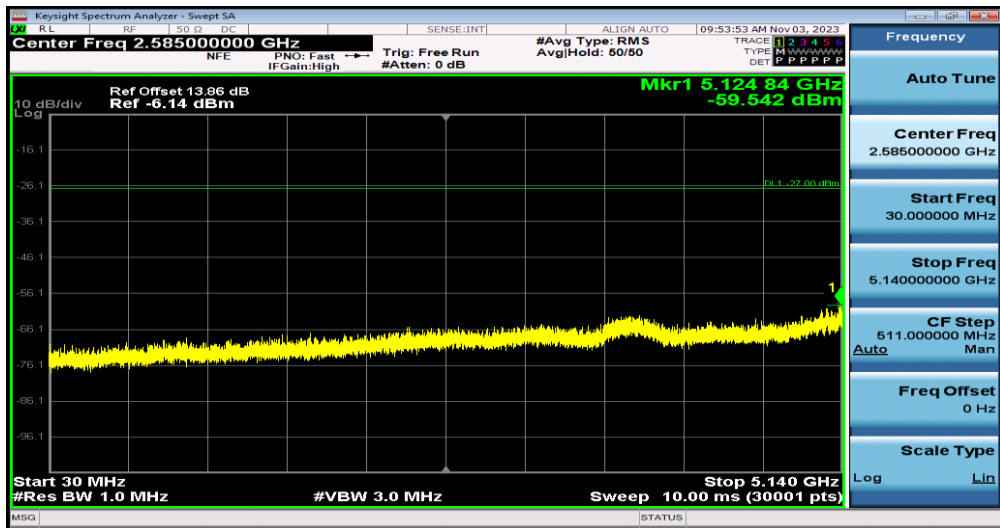
11A-Ant1-5180-5360~40000



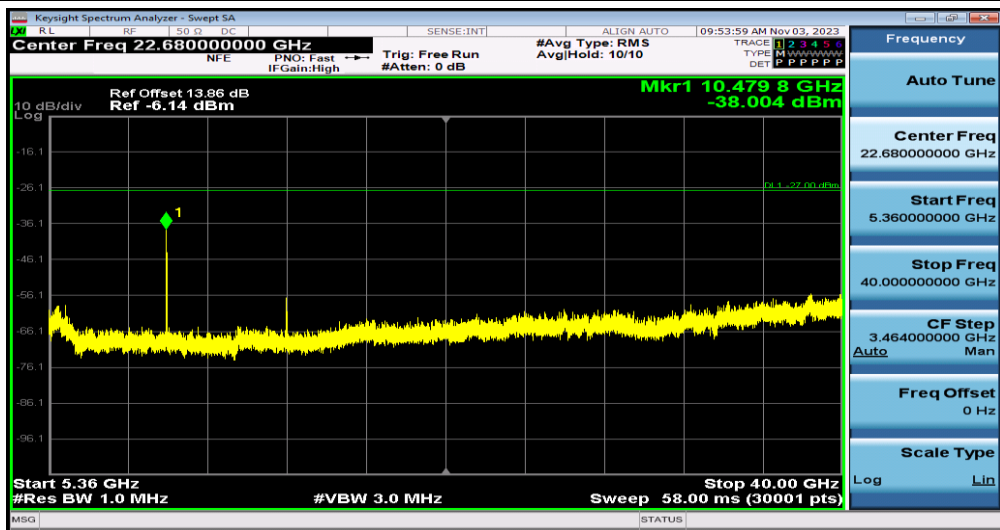
11A-Ant1-5200-30~5140



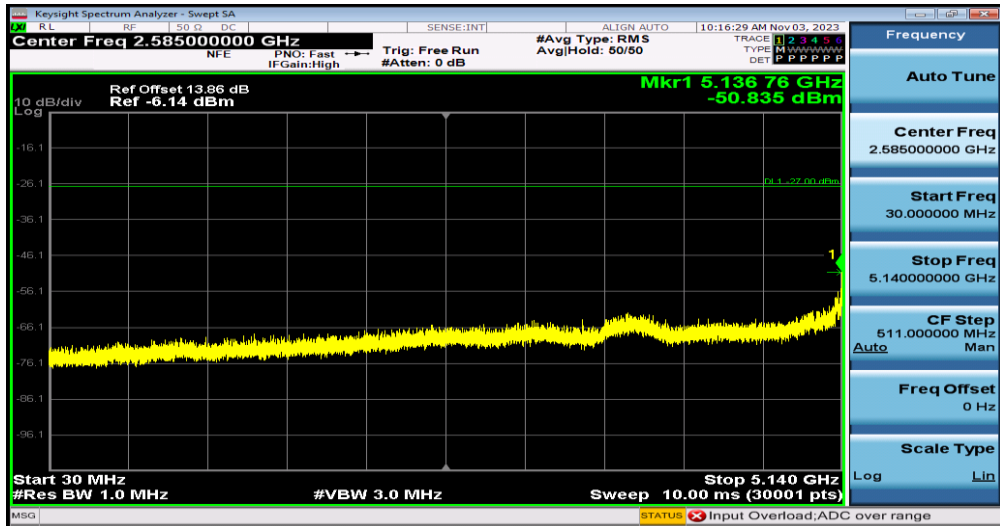
11A-Ant1-5200-5360~40000



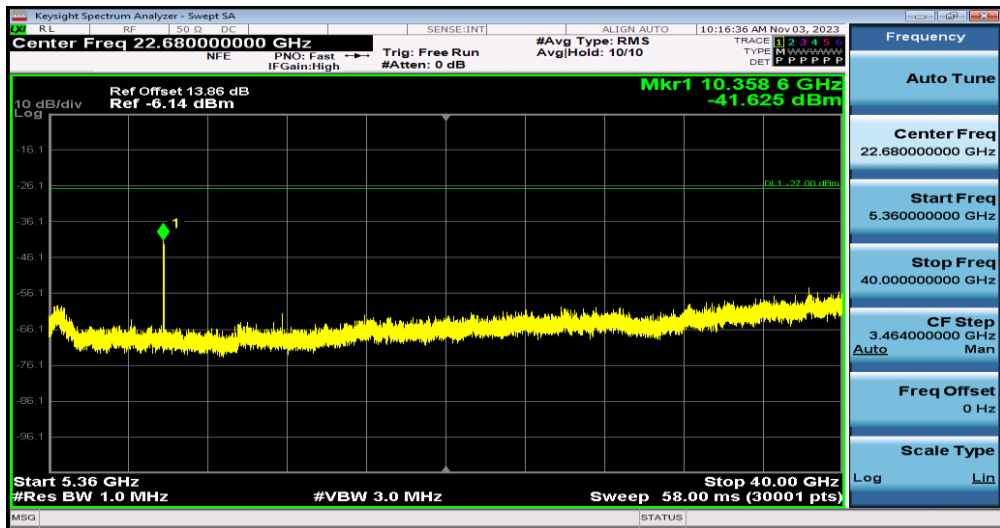
11A-Ant1-5240-30~5140



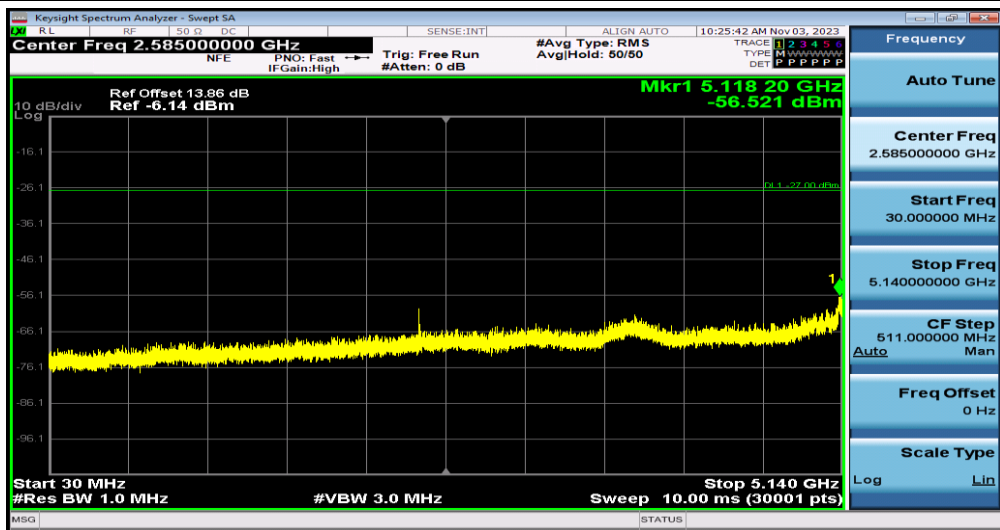
11A-Ant1-5240-5360~40000



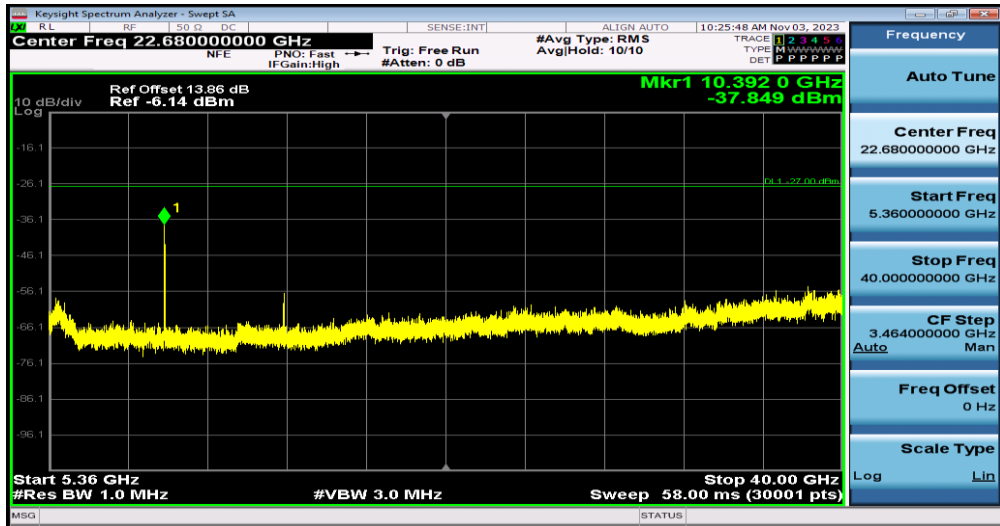
11N20SISO-Ant1-5180-30~5140



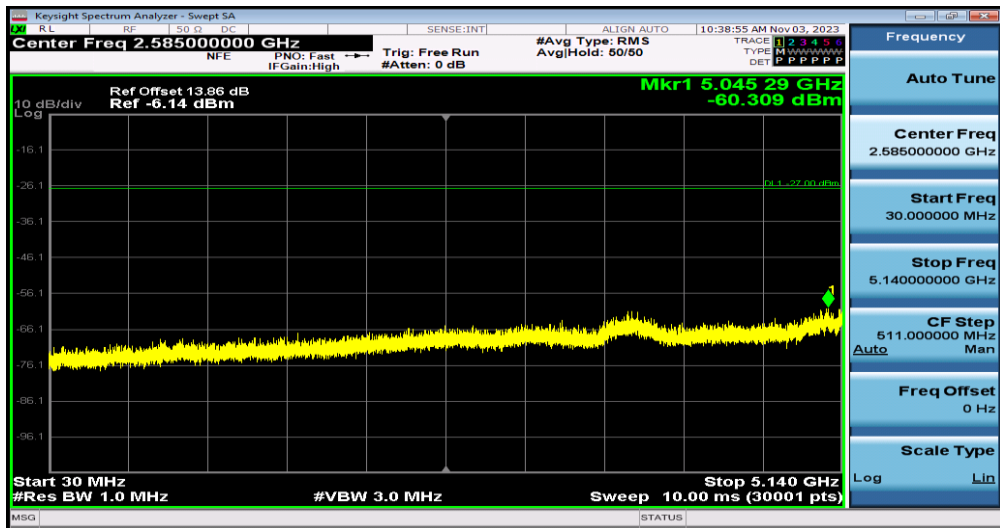
11N20SISO-Ant1-5180-5360~40000



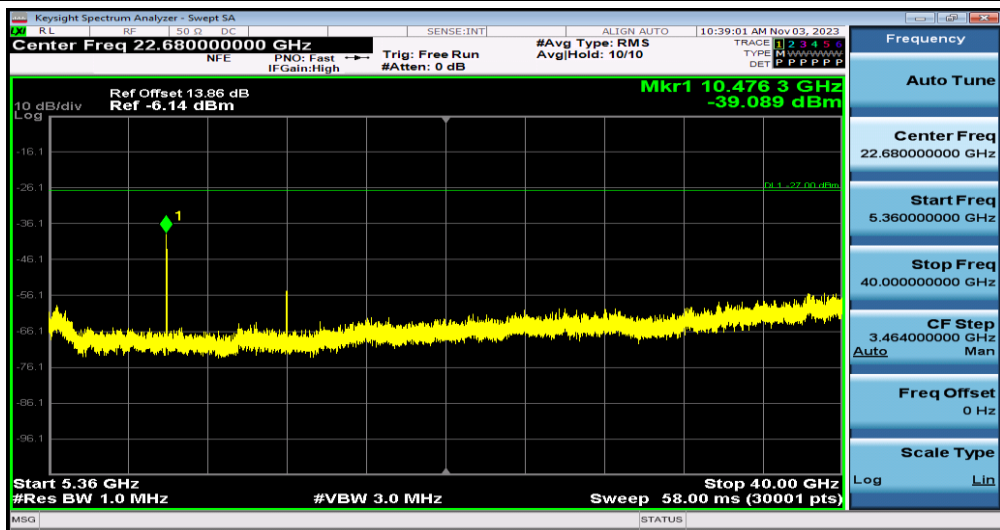
11N20SISO-Ant1-5200-30~5140



11N20SISO-Ant1-5200-5360~40000



11N20SISO-Ant1-5240-30~5140



11N20SISO-Ant1-5240-5360~40000

Appendix G: Frequency Stability

Test Result

TestMode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
11A	Ant1	5180	LV	NT	40000.00	7.722008	20	PASS
11A	Ant1	5180	HV	NT	20000.00	3.861004	20	PASS
11A	Ant1	5200	NV	NT	0.00	0.000000	20	PASS
11A	Ant1	5200	LV	NT	0.00	0.000000	20	PASS
11A	Ant1	5200	HV	NT	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	NT	40000.00	7.633588	20	PASS
11A	Ant1	5240	LV	NT	20000.00	3.816794	20	PASS
11A	Ant1	5240	HV	NT	20000.00	3.816794	20	PASS
11N20SIS O	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5180	LV	NT	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5180	HV	NT	20000.00	3.861004	20	PASS
11N20SIS O	Ant1	5200	NV	NT	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5200	LV	NT	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5200	HV	NT	20000.00	3.846154	20	PASS
11N20SIS O	Ant1	5240	NV	NT	40000.00	7.633588	20	PASS
11N20SIS O	Ant1	5240	LV	NT	20000.00	3.816794	20	PASS
11N20SIS O	Ant1	5240	HV	NT	60000.00	11.450382	20	PASS

TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	20000.00	3.861004	20	PASS
11A	Ant1	5180	NV	-20	40000.00	7.722008	20	PASS
11A	Ant1	5180	NV	-10	40000.00	7.722008	20	PASS
11A	Ant1	5180	NV	0	40000.00	7.722008	20	PASS
11A	Ant1	5180	NV	10	40000.00	7.722008	20	PASS
11A	Ant1	5180	NV	20	40000.00	7.722008	20	PASS
11A	Ant1	5180	NV	30	40000.00	7.722008	20	PASS
11A	Ant1	5180	NV	40	20000.00	3.861004	20	PASS
11A	Ant1	5180	NV	50	40000.00	7.722008	20	PASS
11A	Ant1	5200	NV	-30	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	-20	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	-10	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	0	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	10	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	20	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	30	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	40	0.00	0.000000	20	PASS
11A	Ant1	5200	NV	50	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	-30	20000.00	3.816794	20	PASS
11A	Ant1	5240	NV	-20	20000.00	3.816794	20	PASS
11A	Ant1	5240	NV	-10	40000.00	7.633588	20	PASS
11A	Ant1	5240	NV	0	20000.00	3.816794	20	PASS
11A	Ant1	5240	NV	10	20000.00	3.816794	20	PASS
11A	Ant1	5240	NV	20	20000.00	3.816794	20	PASS
11A	Ant1	5240	NV	30	20000.00	3.816794	20	PASS
11A	Ant1	5240	NV	40	0.00	0.000000	20	PASS
11A	Ant1	5240	NV	50	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5180	NV	-30	20000.00	3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	-20	20000.00	3.861004	20	PASS
11N20SIS O	Ant1	5180	NV	-10	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5180	NV	0	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5180	NV	10	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5180	NV	20	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5180	NV	30	0.00	0.000000	20	PASS

O								
11N20SIS O	Ant1	5180	NV	40	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5180	NV	50	0.00	0.000000	20	PASS
11N20SIS O	Ant1	5200	NV	-30	20000.00	3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	-20	20000.00	3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	-10	20000.00	3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	0	20000.00	3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	10	20000.00	3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	20	20000.00	3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	30	20000.00	3.846154	20	PASS
11N20SIS O	Ant1	5200	NV	40	40000.00	7.692308	20	PASS
11N20SIS O	Ant1	5200	NV	50	20000.00	3.846154	20	PASS
11N20SIS O	Ant1	5240	NV	-30	60000.00	11.450382	20	PASS
11N20SIS O	Ant1	5240	NV	-20	60000.00	11.450382	20	PASS
11N20SIS O	Ant1	5240	NV	-10	60000.00	11.450382	20	PASS
11N20SIS O	Ant1	5240	NV	0	60000.00	11.450382	20	PASS
11N20SIS O	Ant1	5240	NV	10	60000.00	11.450382	20	PASS
11N20SIS O	Ant1	5240	NV	20	60000.00	11.450382	20	PASS
11N20SIS O	Ant1	5240	NV	30	80000.00	15.267176	20	PASS
11N20SIS O	Ant1	5240	NV	40	80000.00	15.267176	20	PASS
11N20SIS O	Ant1	5240	NV	50	60000.00	11.450382	20	PASS

Appendix H: Emissions in Restricted Bands

Test Result

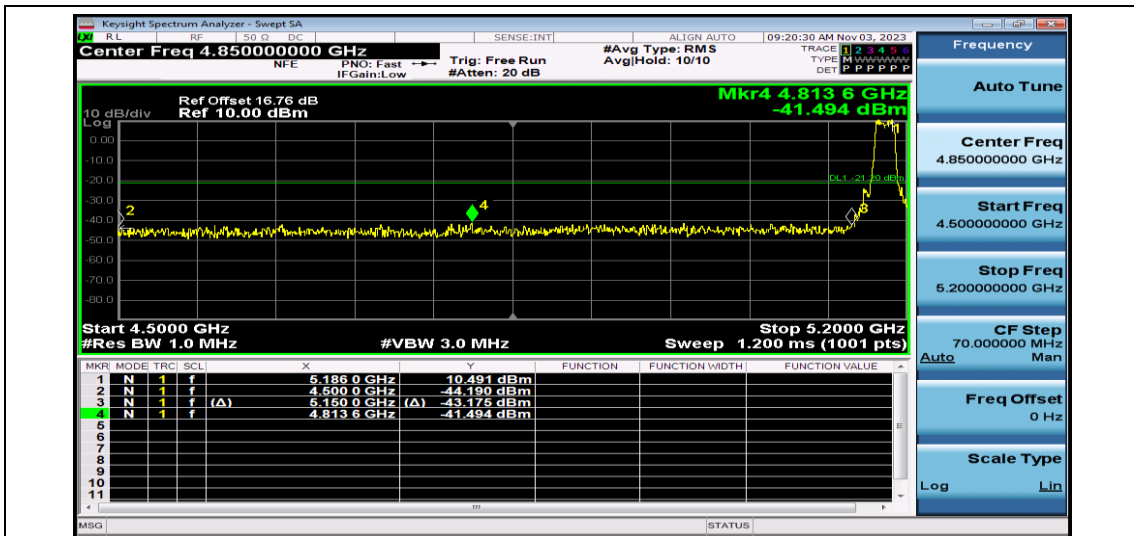
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	Peak	5150.000	-43.18	≤-21.20	52.02	≤74	PASS
11A	Ant1	Low	5180	Peak	4813.600	-41.49	≤-21.20	53.71	≤74	PASS
11A	Ant1	Low	5180	Peak	4500.000	-44.19	≤-21.20	51.01	≤74	PASS
11A	Ant1	Low	5180	AV	5150.000	-51.12	≤-41.20	44.08	≤54	PASS
11A	Ant1	Low	5180	AV	5149.600	-51.42	≤-41.20	43.78	≤54	PASS
11A	Ant1	Low	5180	AV	4500.000	-65.39	≤-41.20	29.81	≤54	PASS
11A	Ant1	High	5240	Peak	5460.000	-46.71	≤-21.20	48.49	≤74	PASS
11A	Ant1	High	5240	Peak	5427.360	-43.75	≤-21.20	51.45	≤74	PASS
11A	Ant1	High	5240	Peak	5350.000	-48.27	≤-21.20	46.93	≤74	PASS
11A	Ant1	High	5240	AV	5460.000	-61.38	≤-41.20	33.82	≤54	PASS
11A	Ant1	High	5240	AV	5350.000	-66.77	≤-41.20	28.43	≤54	PASS
11N20SIS O	Ant1	Low	5180	Peak	5150.000	-42.27	≤-21.20	52.93	≤74	PASS
11N20SIS O	Ant1	Low	5180	Peak	5147.500	-37.72	≤-21.20	57.48	≤74	PASS
11N20SIS O	Ant1	Low	5180	Peak	4500.000	-47.99	≤-21.20	47.21	≤74	PASS
11N20SIS O	Ant1	Low	5180	AV	5150.000	-50.67	≤-41.20	44.53	≤54	PASS
11N20SIS O	Ant1	Low	5180	AV	5149.600	-51.36	≤-41.20	43.84	≤54	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-65.61	≤-41.20	29.59	≤54	PASS
11N20SIS O	Ant1	High	5240	Peak	5460.000	-48.29	≤-21.20	46.91	≤74	PASS
11N20SIS O	Ant1	High	5240	Peak	5425.440	-42.51	≤-21.20	52.69	≤74	PASS
11N20SIS O	Ant1	High	5240	Peak	5350.000	-48.92	≤-21.20	46.28	≤74	PASS
11N20SIS O	Ant1	High	5240	AV	5460.000	-61.86	≤-41.20	33.34	≤54	PASS
11N20SIS O	Ant1	High	5240	AV	5458.560	-61.72	≤-41.20	33.48	≤54	PASS
11N20SIS O	Ant1	High	5240	AV	5350.000	-66.91	≤-41.20	28.29	≤54	PASS

Note:

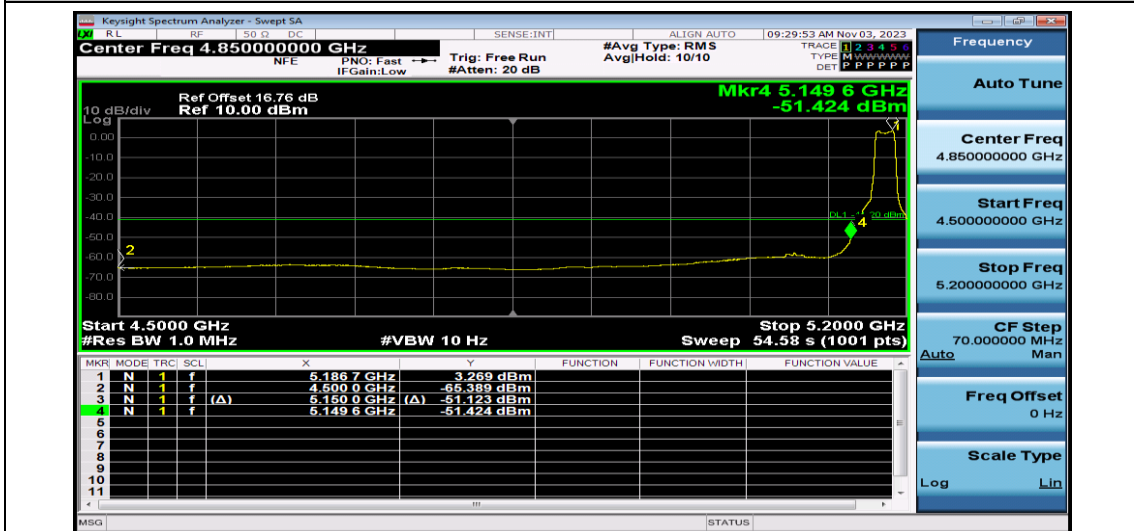
1. The Antenna Gain is compensated in the graph.

2. 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.

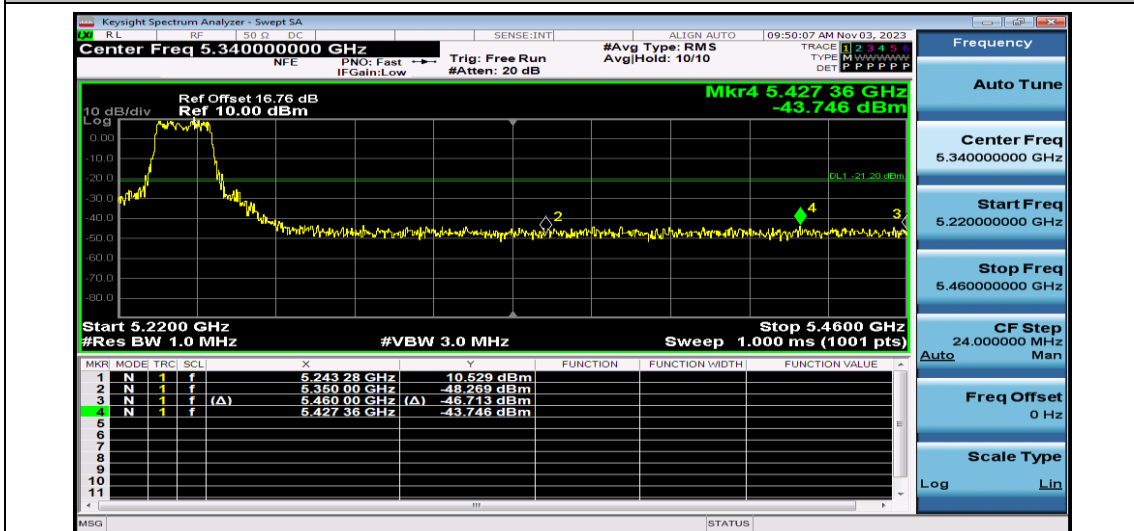
Test Graphs



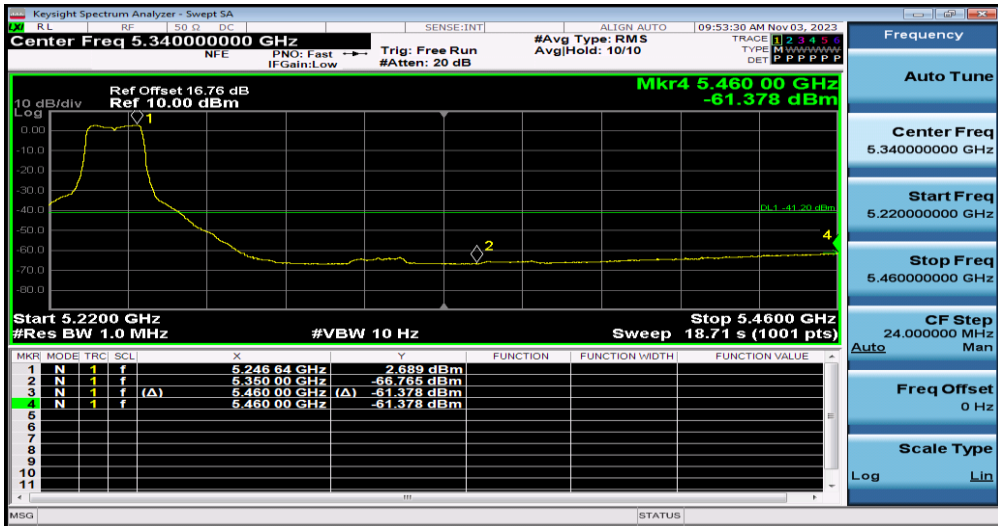
11A-Ant1-5180



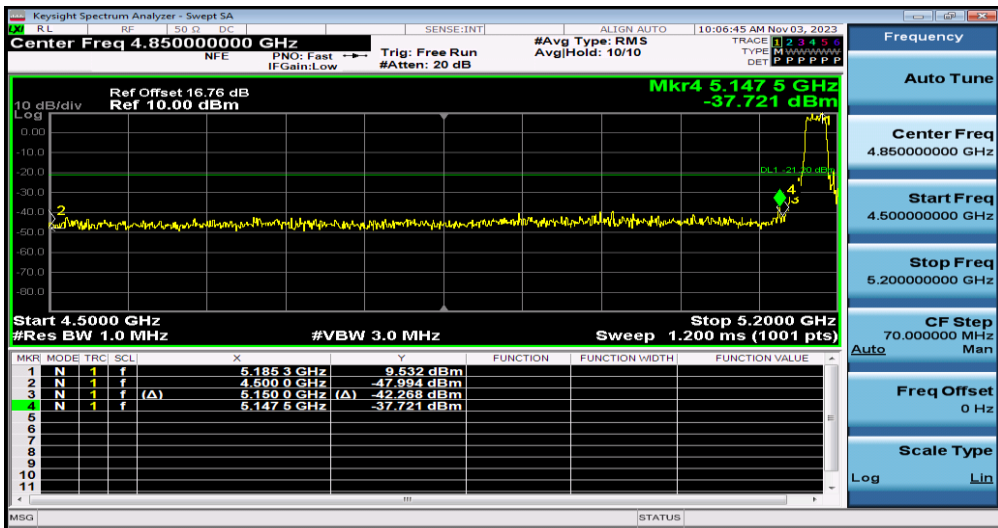
11A-Ant1-5180



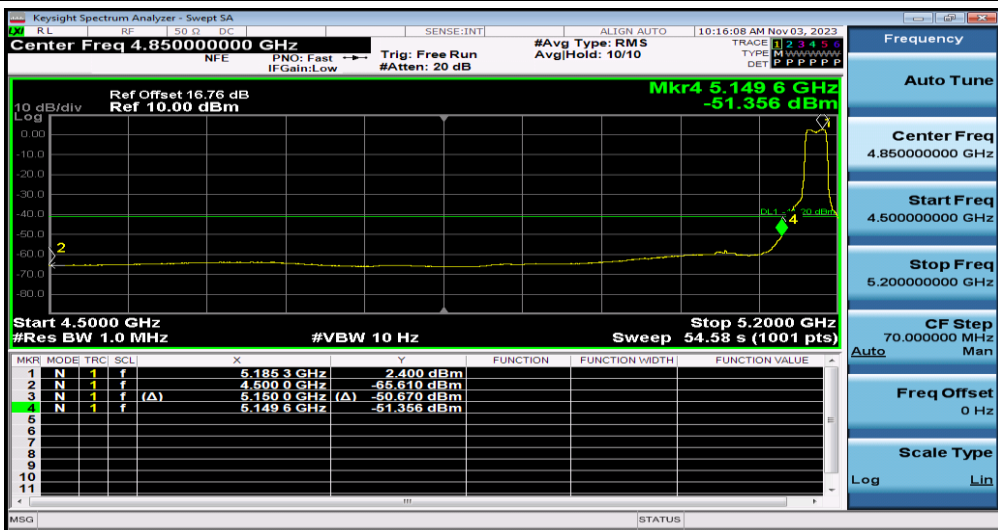
11A-Ant1-5240



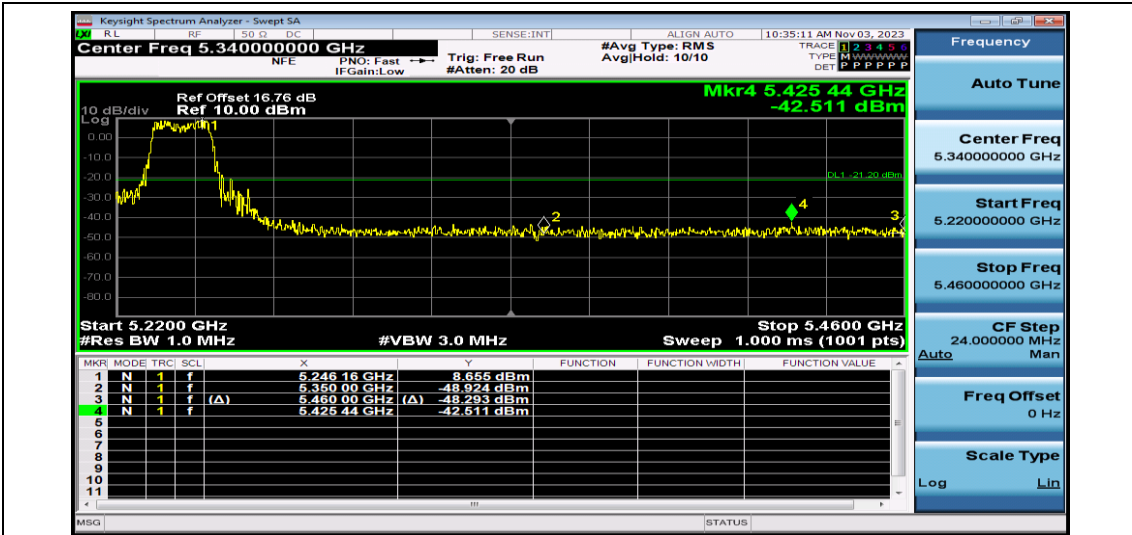
11A-Ant1-5240



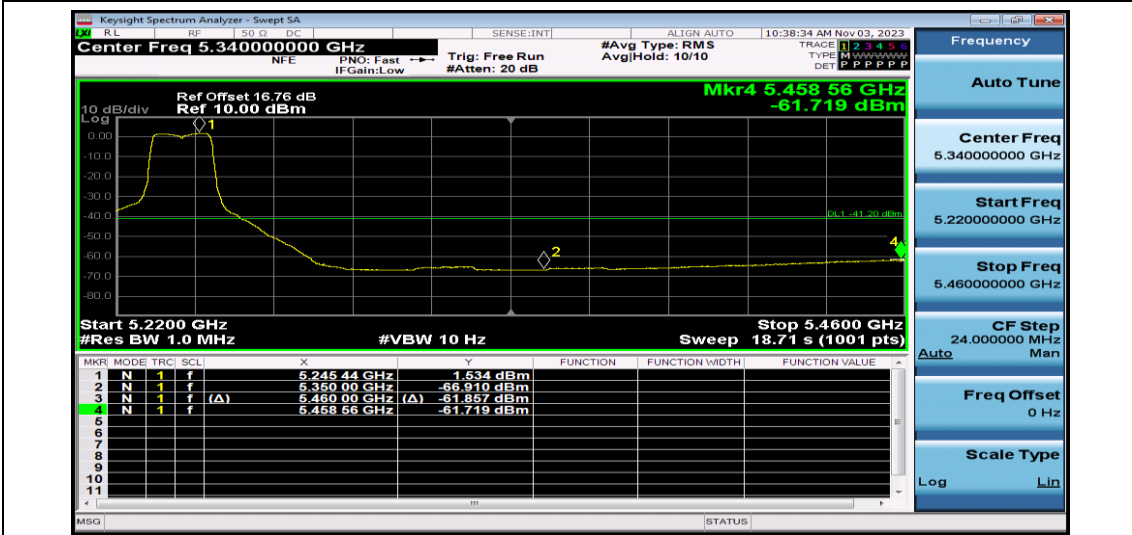
11N20SISO-Ant1-5180



11N20SISO-Ant1-5180



11N20SISO-Ant1-5240



11N20SISO-Ant1-5240