

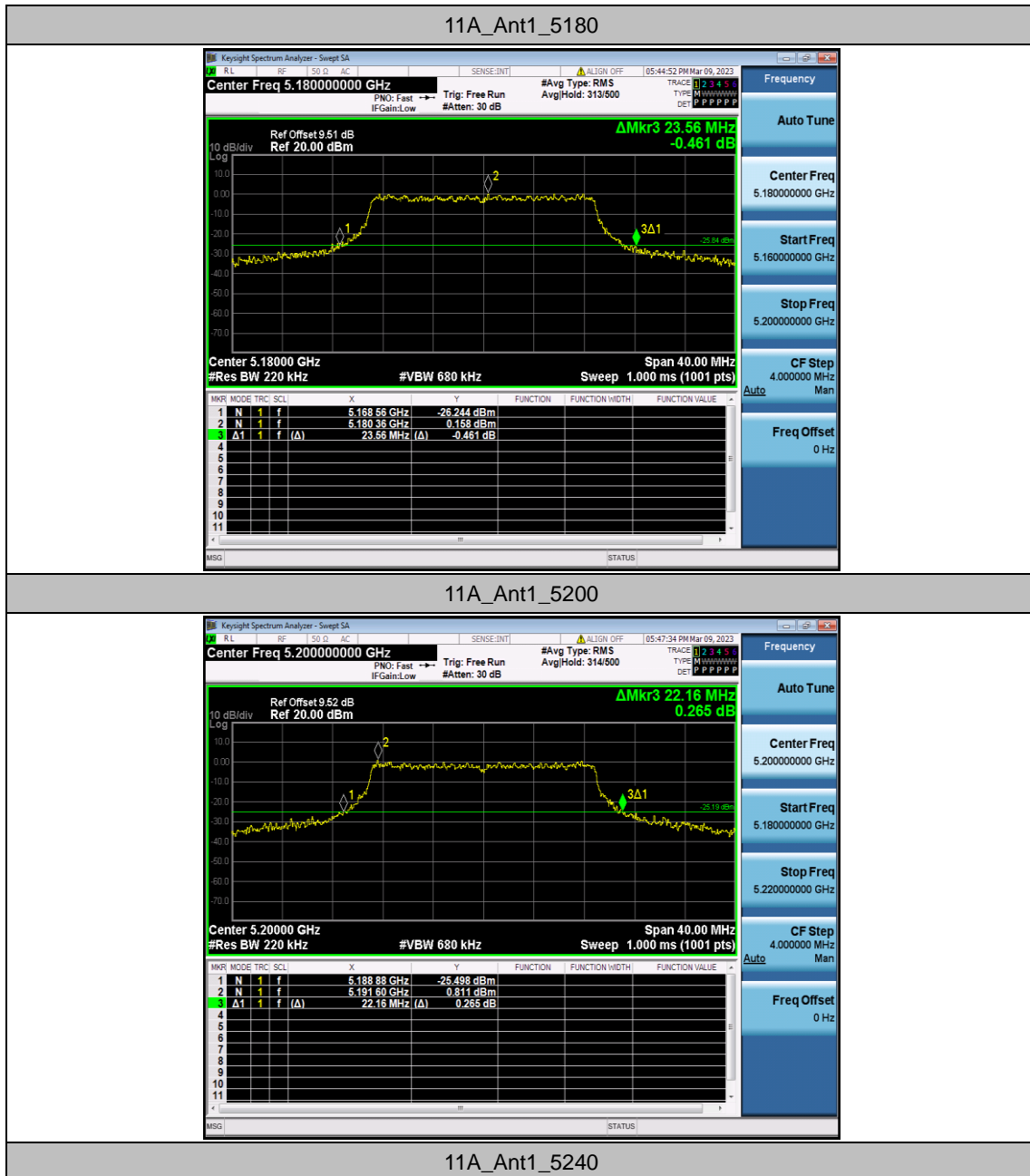
Case No. : <u>GTS20230203009-1-33</u>
Ambient Condition: <u>22</u> °C, <u>51</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.3.9</u> Test Engineer: <u>Jenny zeng</u>

Appendix D.1: Emission Bandwidth

Test Result

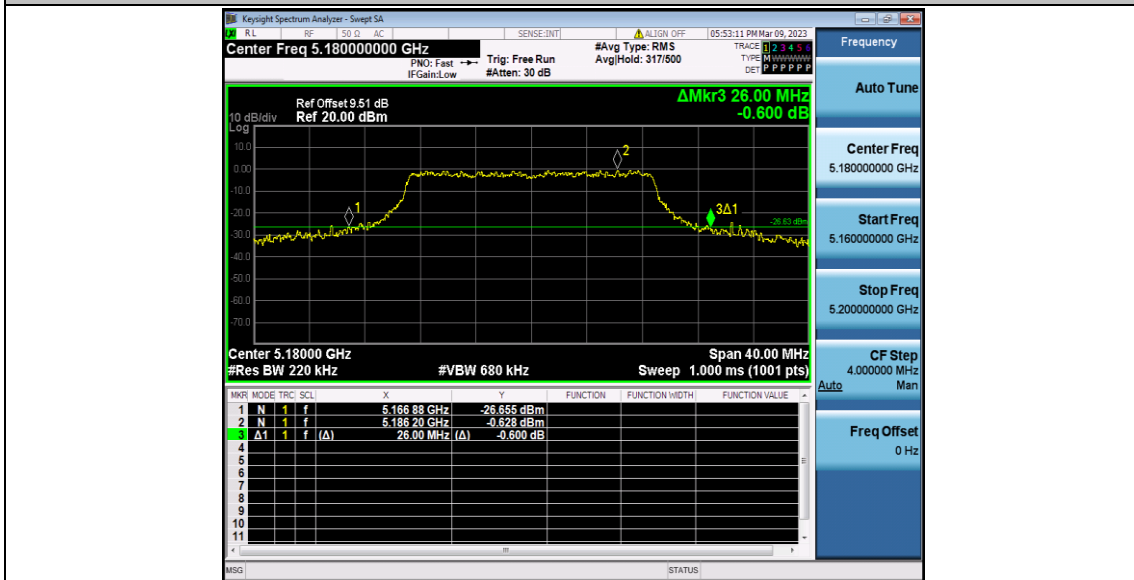
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.560	5168.560	5192.120	---	---
		5200	22.160	5188.880	5211.040	---	---
		5240	23.080	5228.240	5251.320	---	---
11N20SISO	Ant1	5180	26.000	5166.880	5192.880	---	---
		5200	26.360	5188.000	5214.360	---	---
		5240	23.200	5228.360	5251.560	---	---

Test Graphs

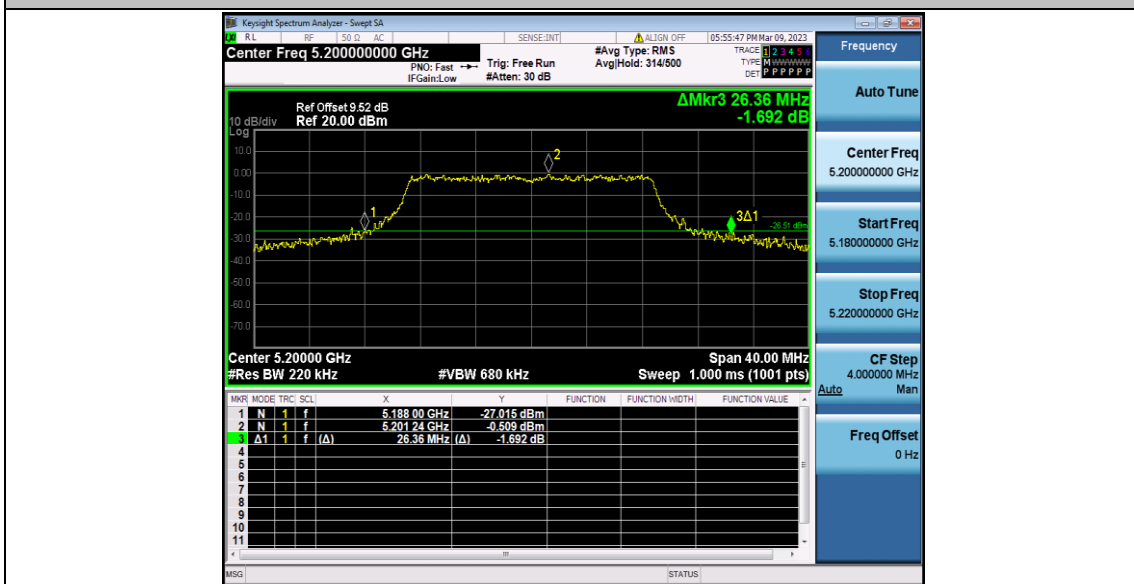




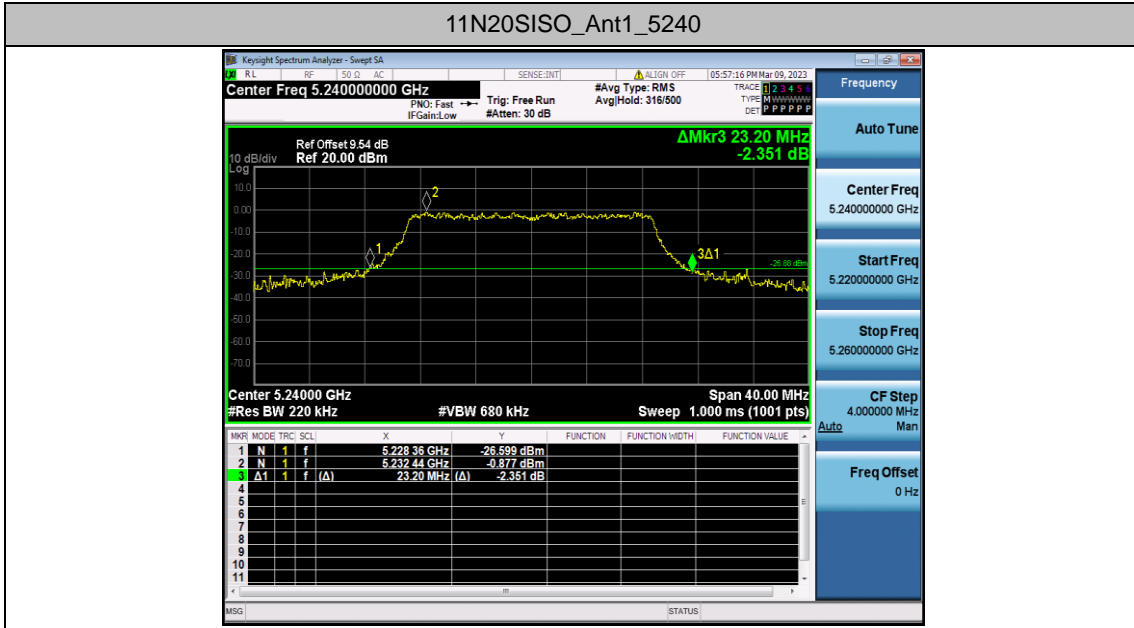
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240

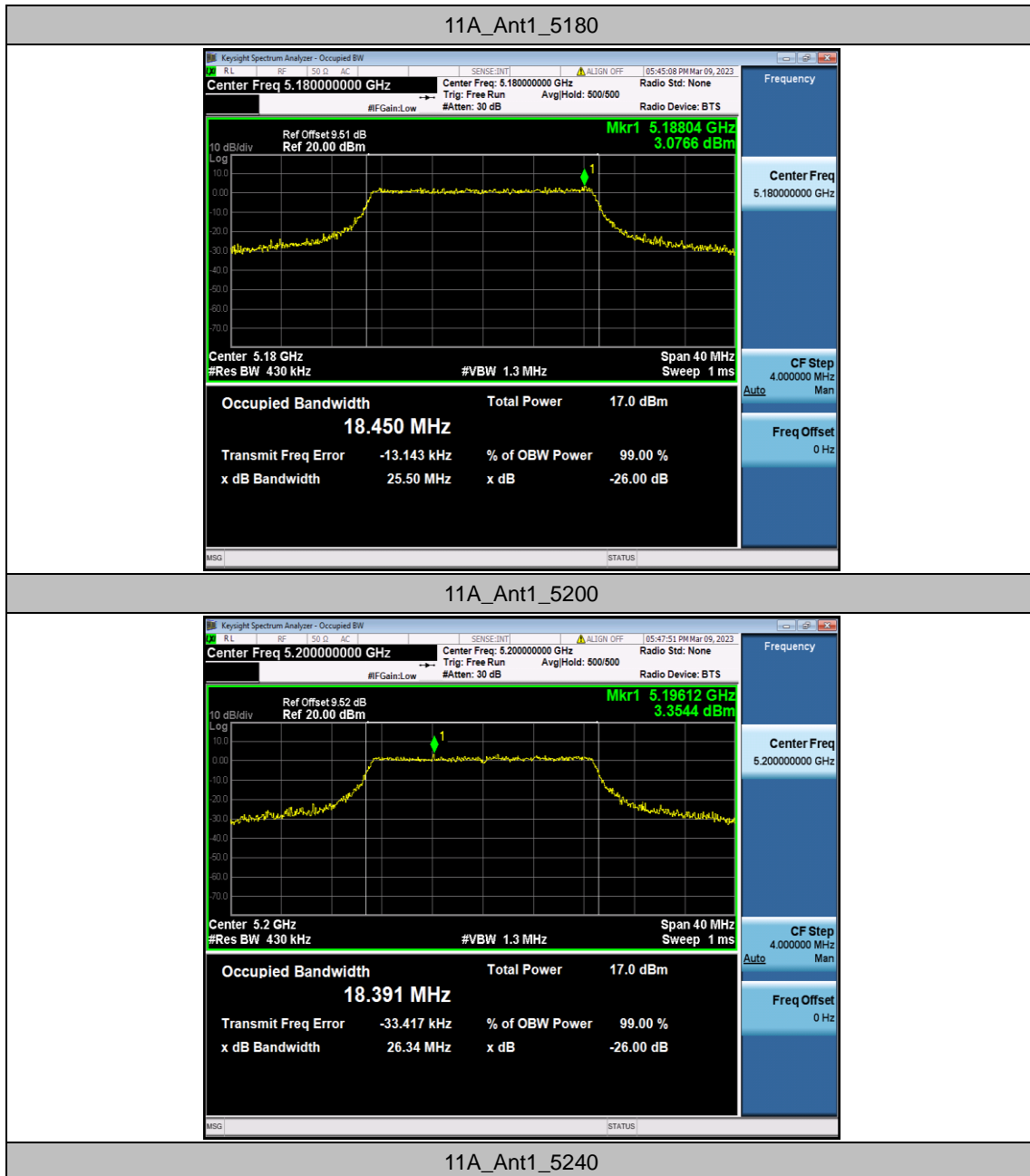


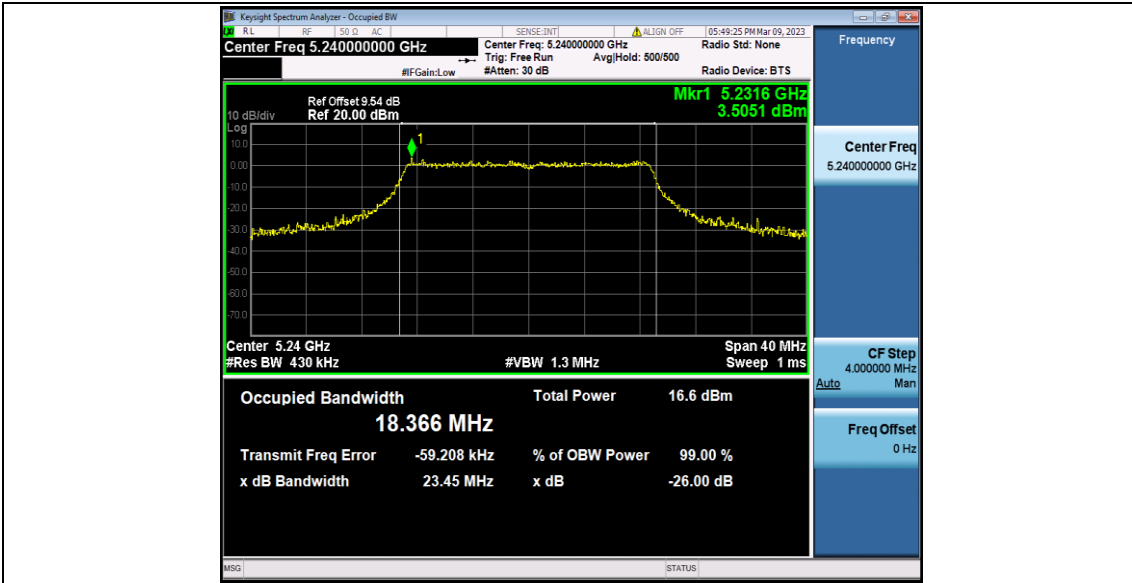
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.450	5170.762	5189.212	---	---
		5200	18.391	5190.771	5209.162	---	---
		5240	18.366	5230.758	5249.124	---	---
11N20SISO	Ant1	5180	18.801	5170.565	5189.366	---	---
		5200	18.775	5190.583	5209.358	---	---
		5240	18.723	5230.556	5249.279	---	---

Test Graphs

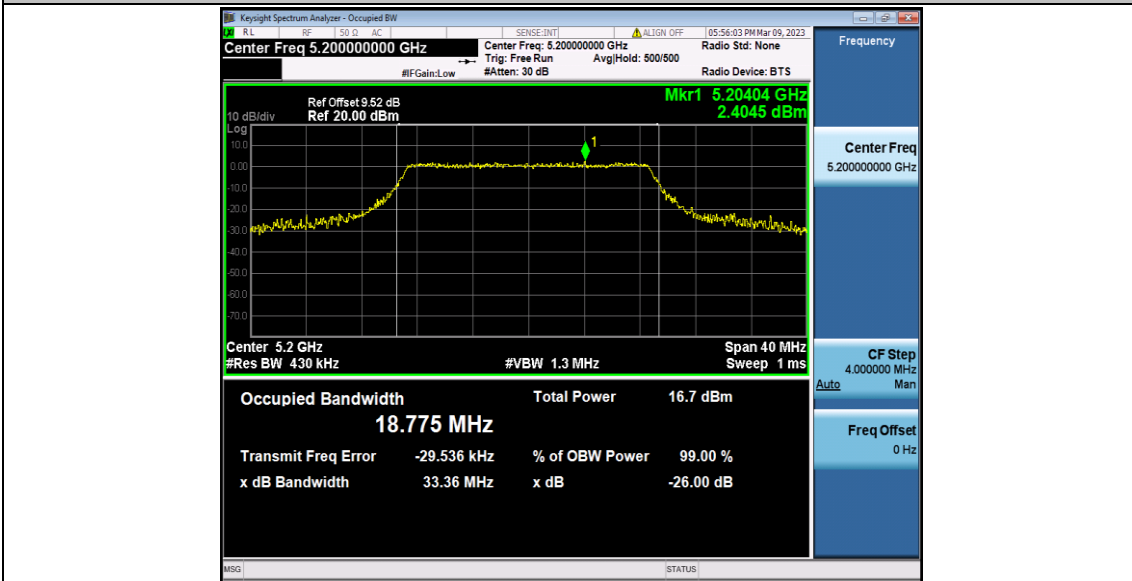




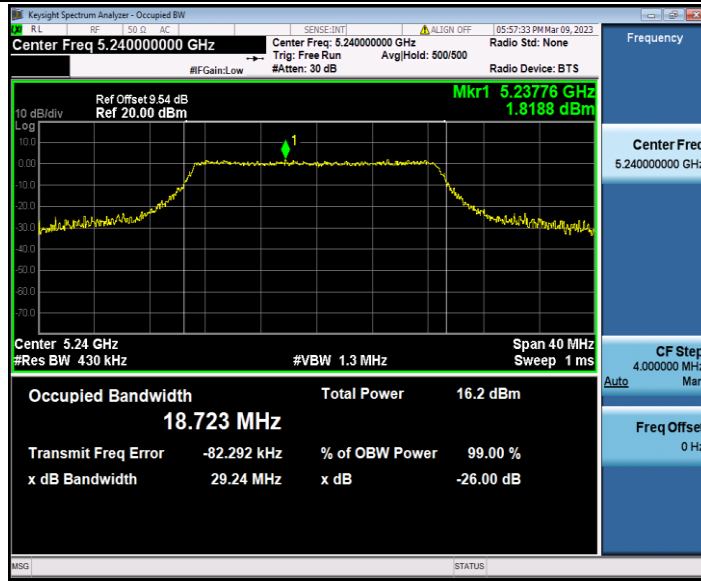
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240

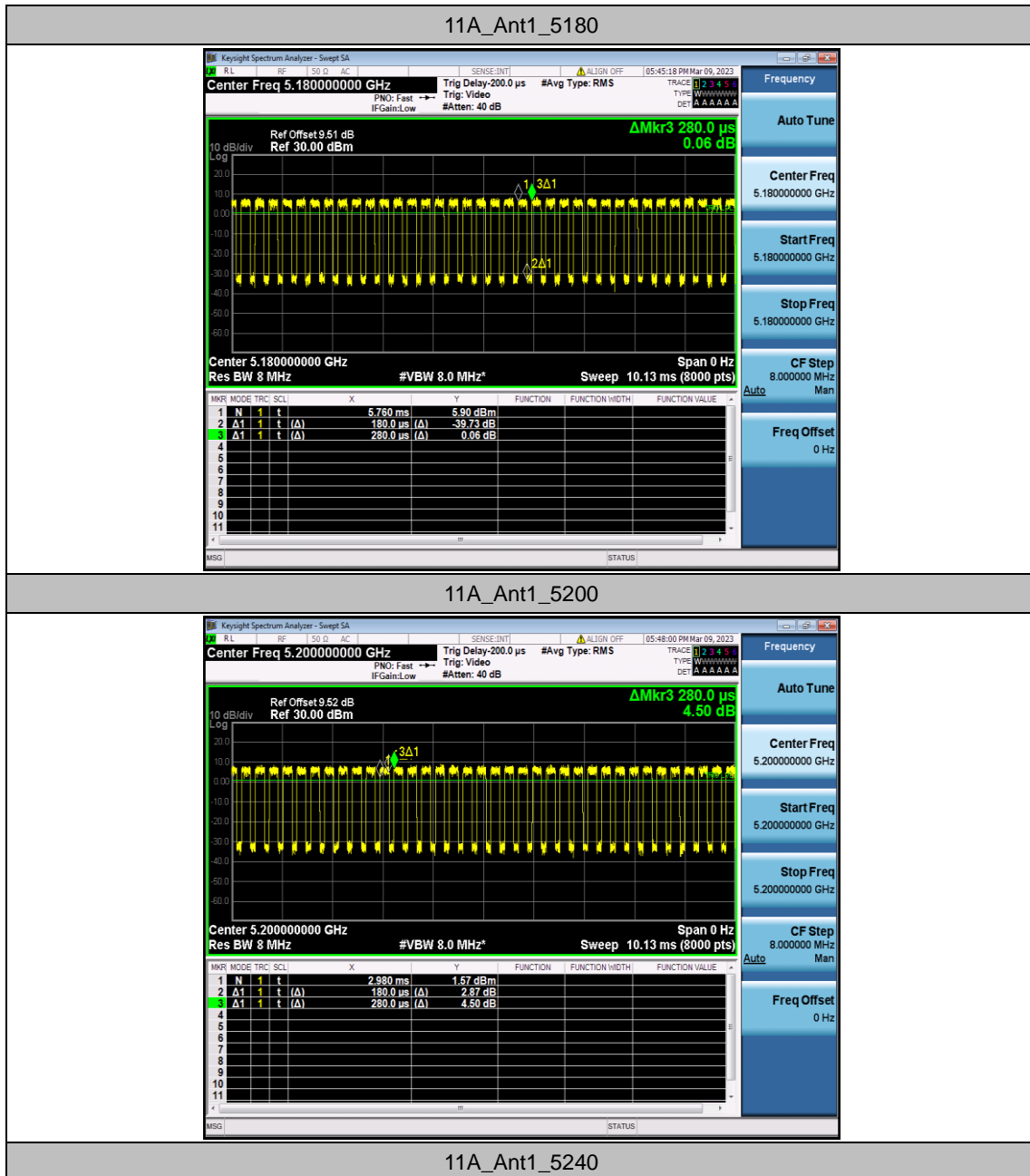


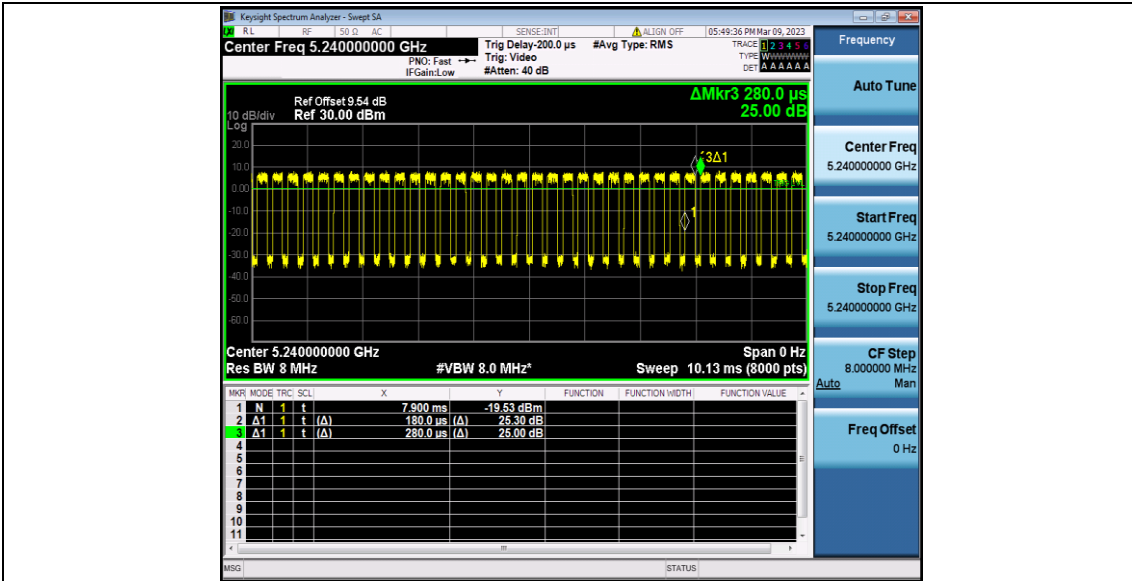
Appendix D.3: Duty Cycle

Test Result

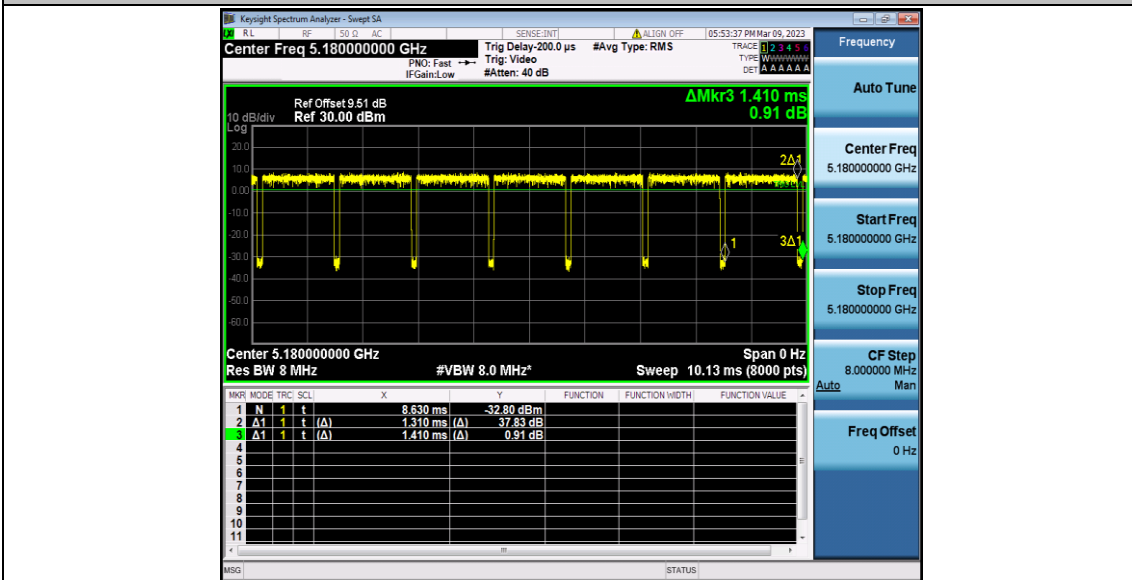
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	0.18	0.28	64.29
		5200	0.18	0.28	64.29
		5240	0.18	0.28	64.29
11N20SISO	Ant1	5180	1.31	1.41	92.91
		5200	1.31	1.40	93.57
		5240	1.31	1.41	92.91

Test Graphs

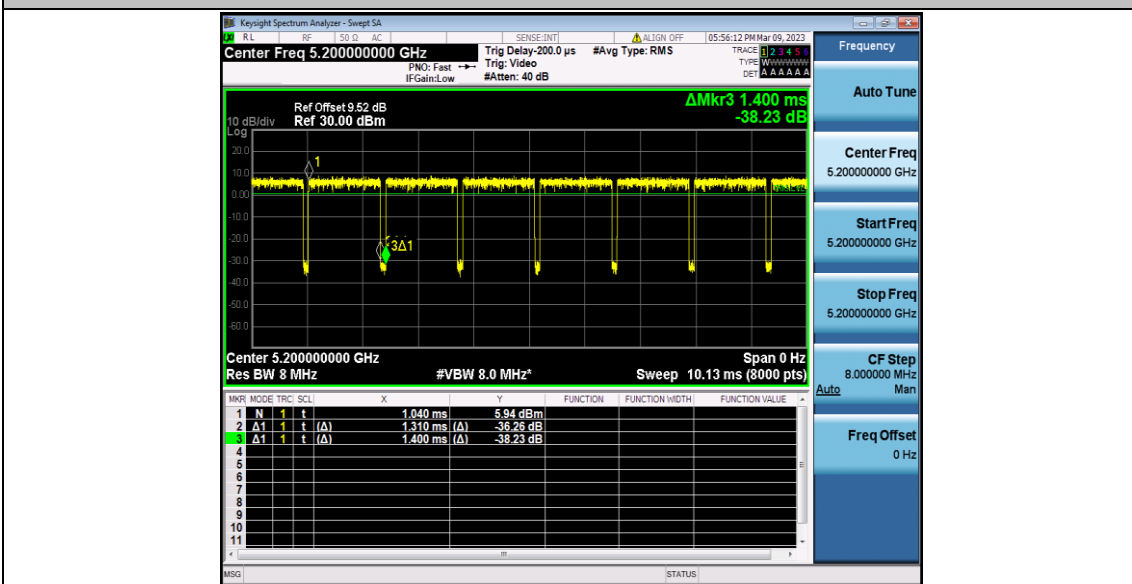




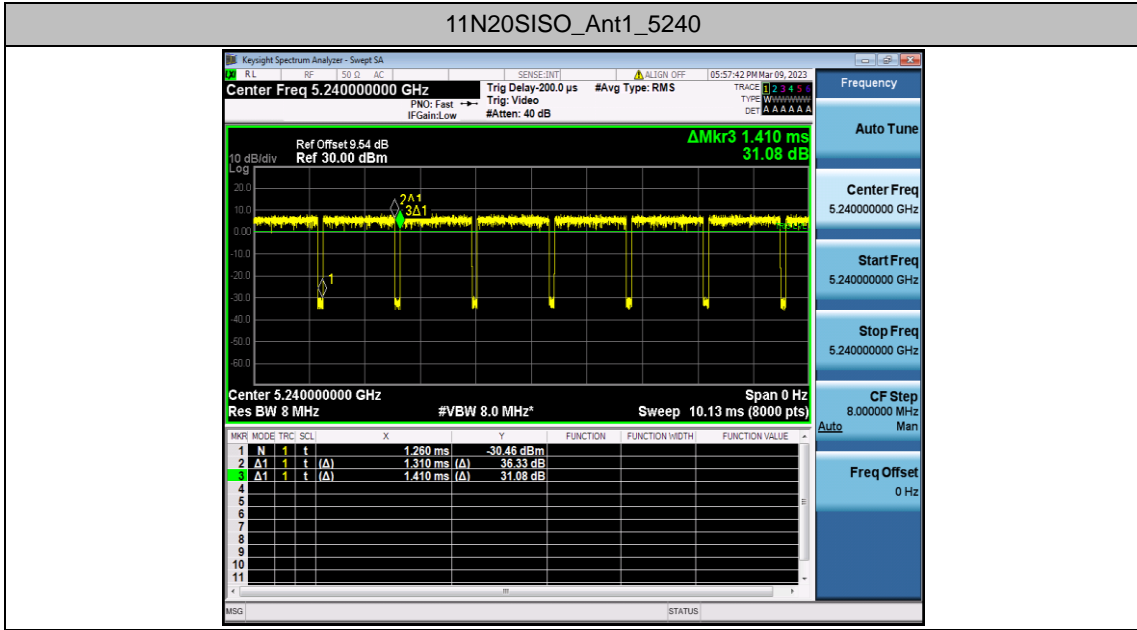
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	7.92	64.29	1.92	9.84	≤23.98	PASS
		5200	7.95	64.29	1.92	9.87	≤23.98	PASS
		5240	7.47	64.29	1.92	9.39	≤23.98	PASS
11N20SISO	Ant1	5180	9.50	92.91	0.32	9.82	≤23.98	PASS
		5200	9.50	93.57	0.29	9.79	≤23.98	PASS
		5240	9.04	92.91	0.32	9.36	≤23.98	PASS

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

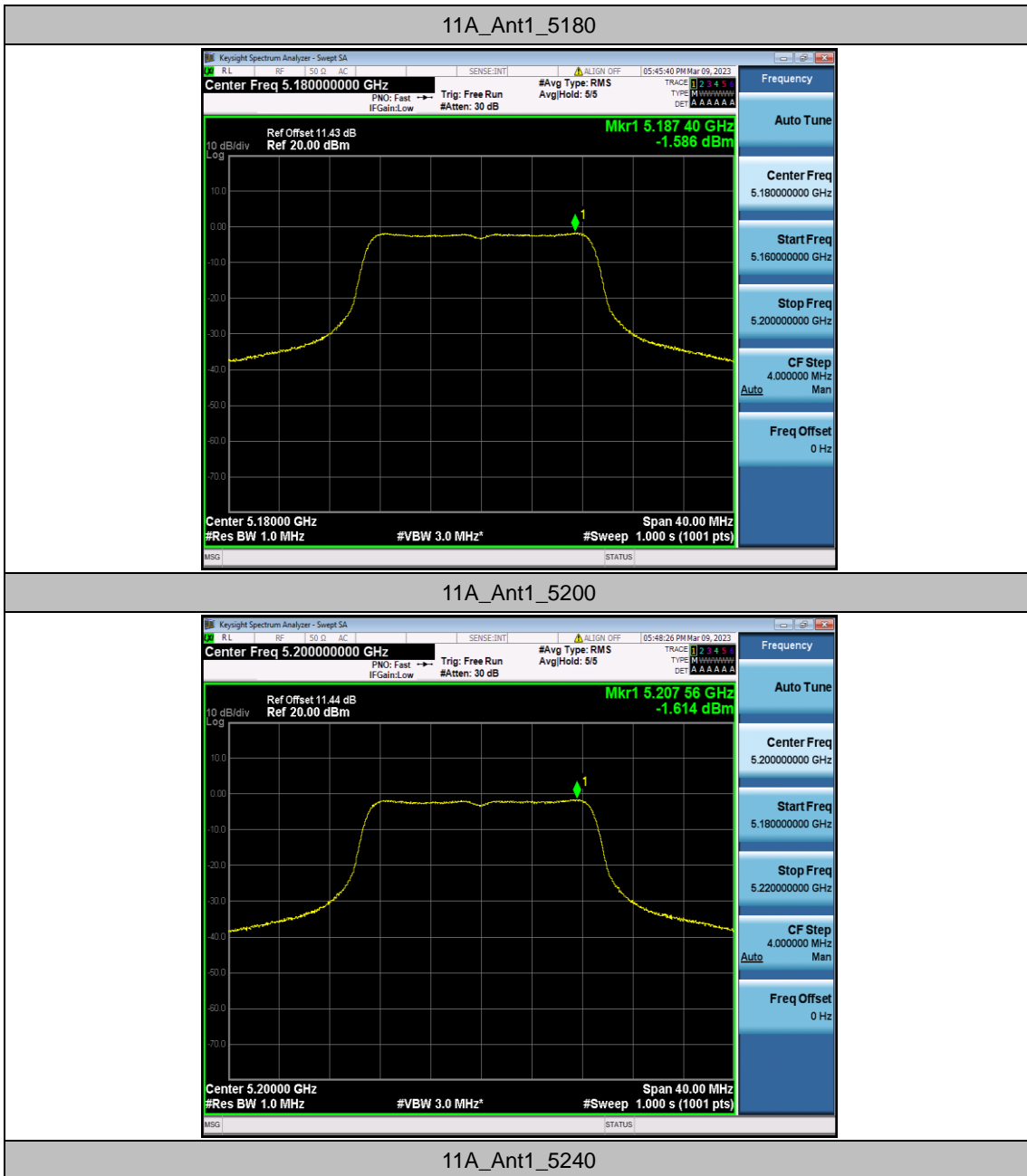
Appendix D.5: Maximum power spectral density

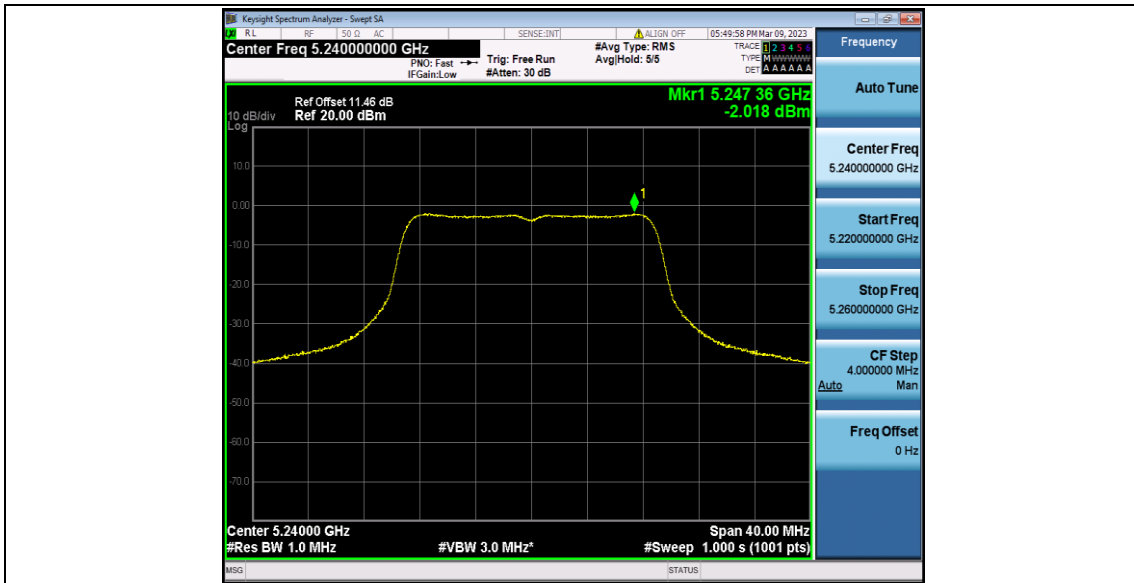
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-1.59	≤11.00	PASS
		5200	-1.61	≤11.00	PASS
		5240	-2.02	≤11.00	PASS
11N20SISO	Ant1	5180	-1.94	≤11.00	PASS
		5200	-1.82	≤11.00	PASS
		5240	-2.22	≤11.00	PASS

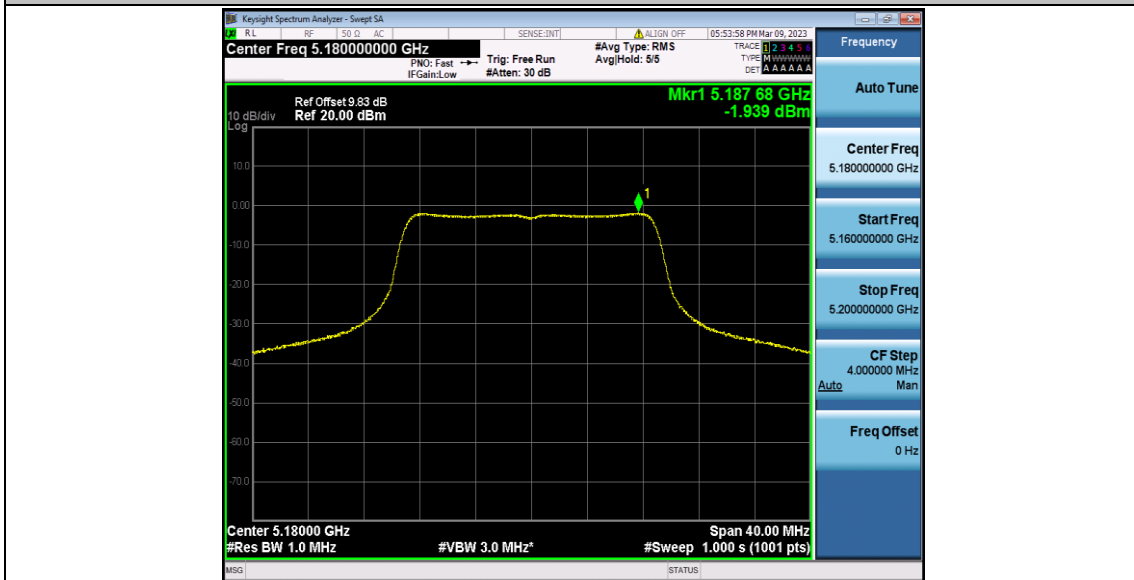
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

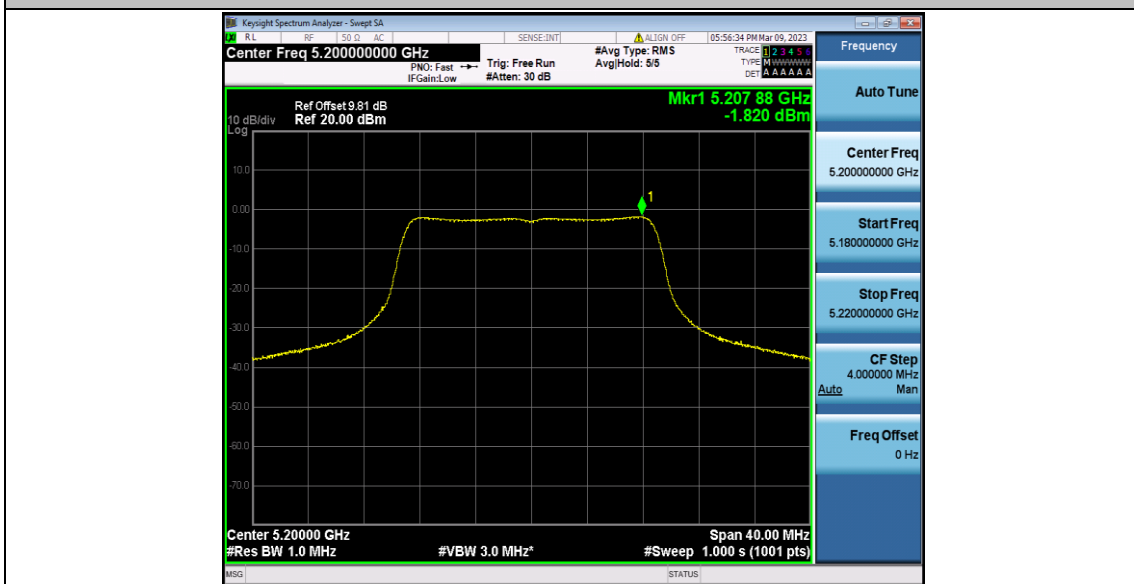




11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240

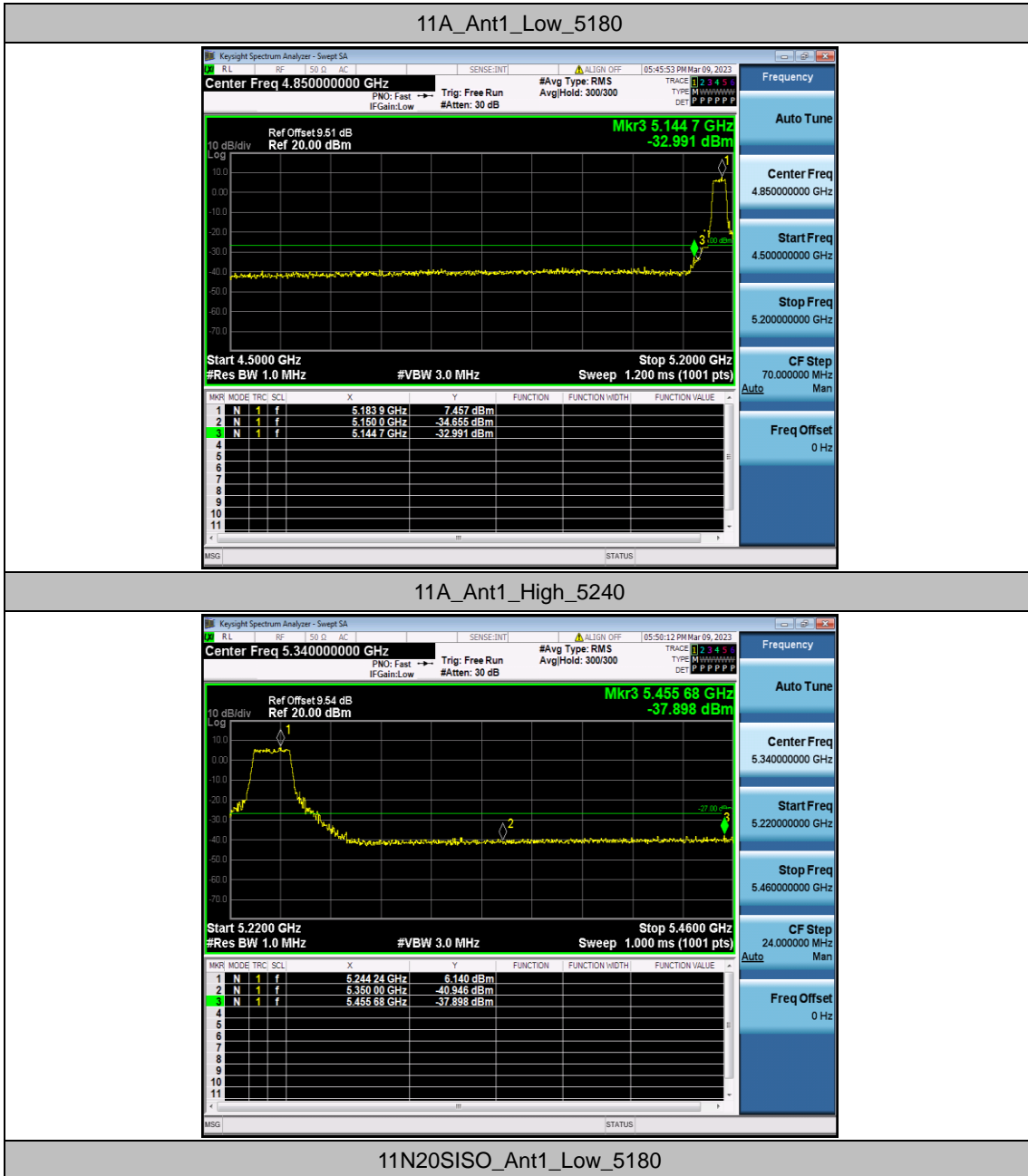


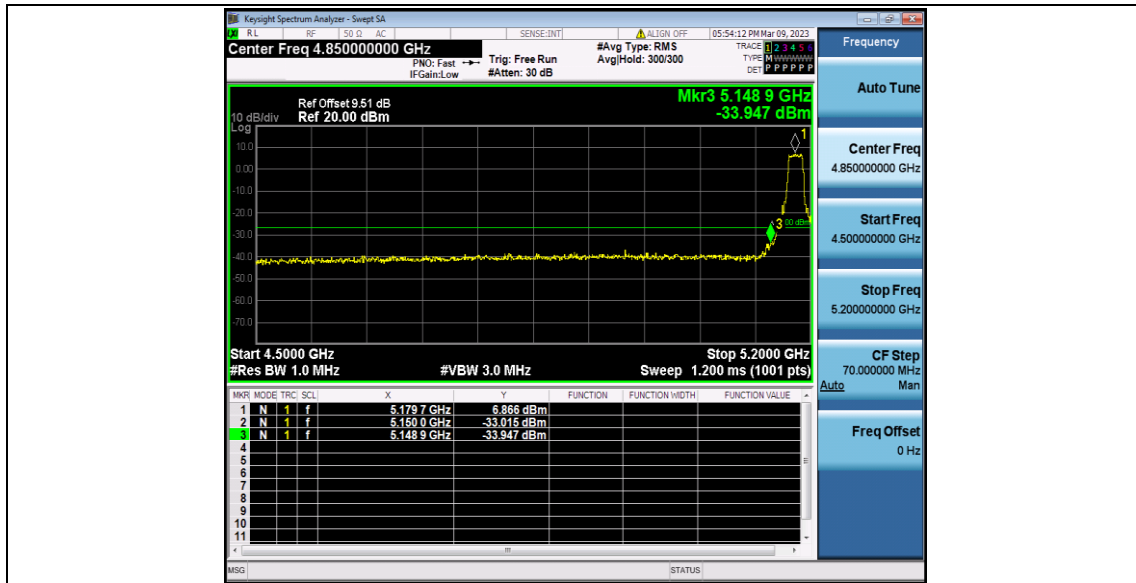
Appendix D.6: Band edge measurements

Test Result B1

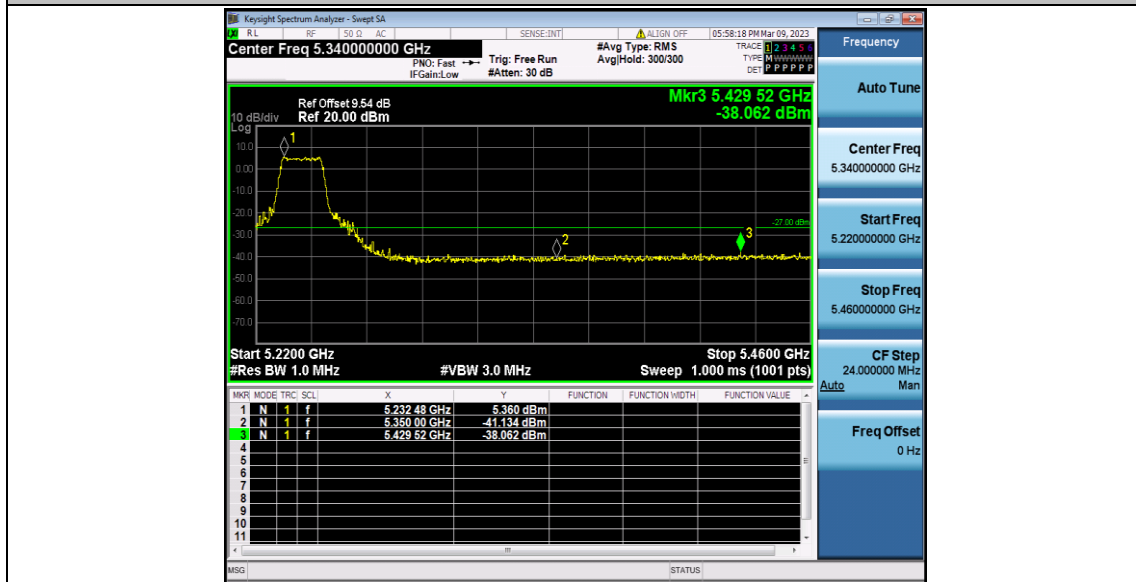
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-32.99	≤-27	PASS
		High	5240	-37.9	≤-27	PASS
11N20SISO	Ant1	Low	5180	-33.95	≤-27	PASS
		High	5240	-38.06	≤-27	PASS

Test Graphs B1





11N20SISO_Ant1_High_5240



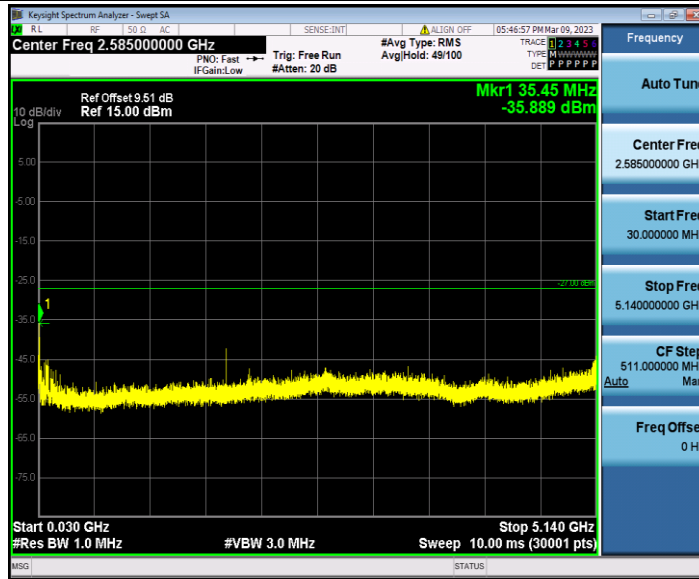
Appendix D.7: Conducted Spurious Emission

Test Result

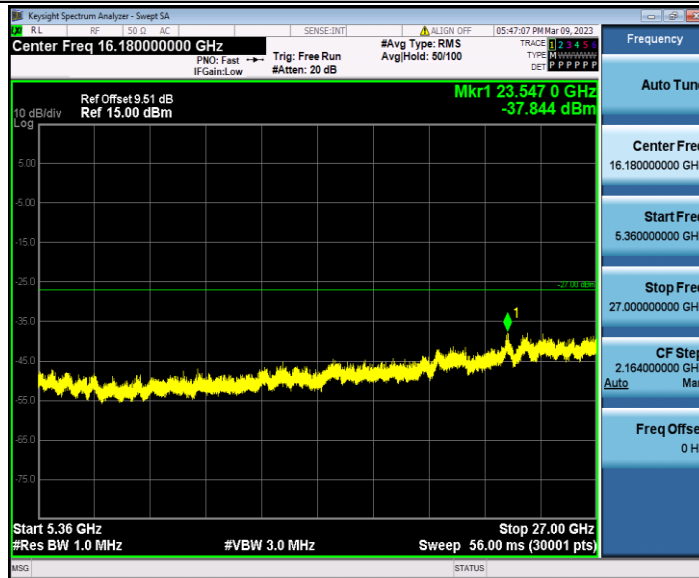
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	35.45	-35.89	≤-27	PASS
			5360~40000	23546.98	-37.84	≤-27	PASS
		5200	30~5140	1748.83	-37.56	≤-27	PASS
			5360~40000	24275.52	-38.15	≤-27	PASS
		5240	30~5140	4935.26	-46.73	≤-27	PASS
			5360~40000	24170.21	-38.31	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5090.6	-47.63	≤-27	PASS
			5360~40000	24219.26	-37.53	≤-27	PASS
		5200	30~5140	35.96	-35.59	≤-27	PASS
			5360~40000	26666.74	-38.62	≤-27	PASS
		5240	30~5140	4948.03	-47.21	≤-27	PASS
			5360~40000	26497.95	-38.46	≤-27	PASS

Test Graphs

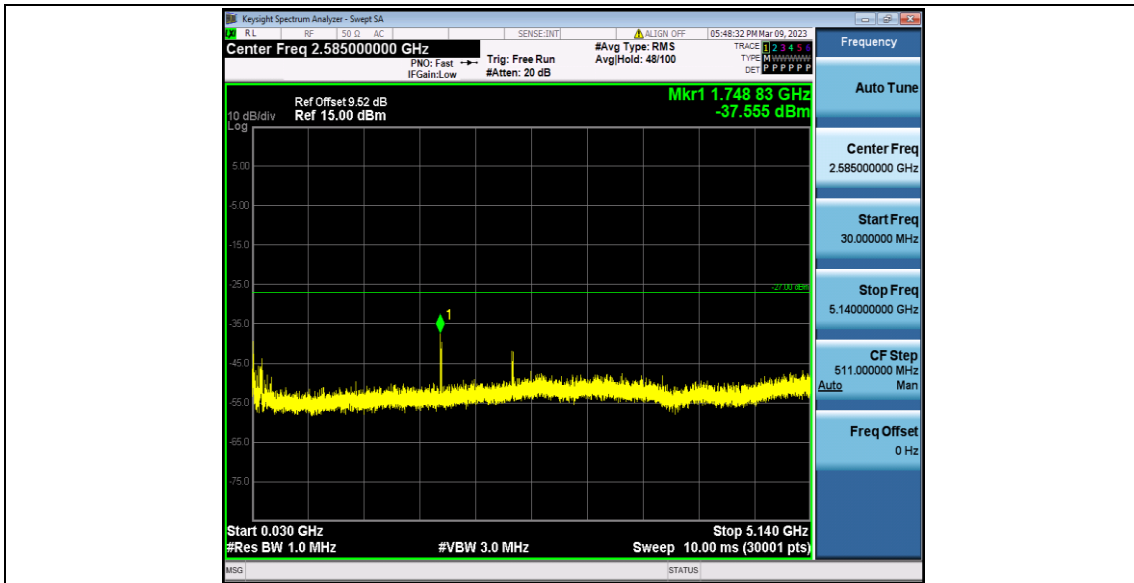
11A_Ant1_5180_30~5140



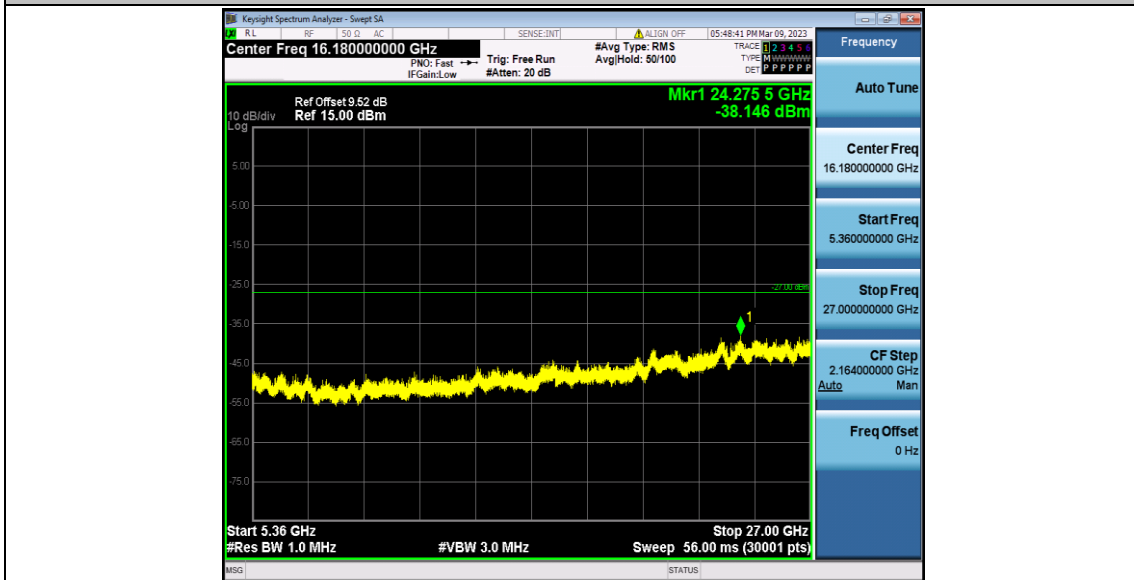
11A_Ant1_5180_5360~40000



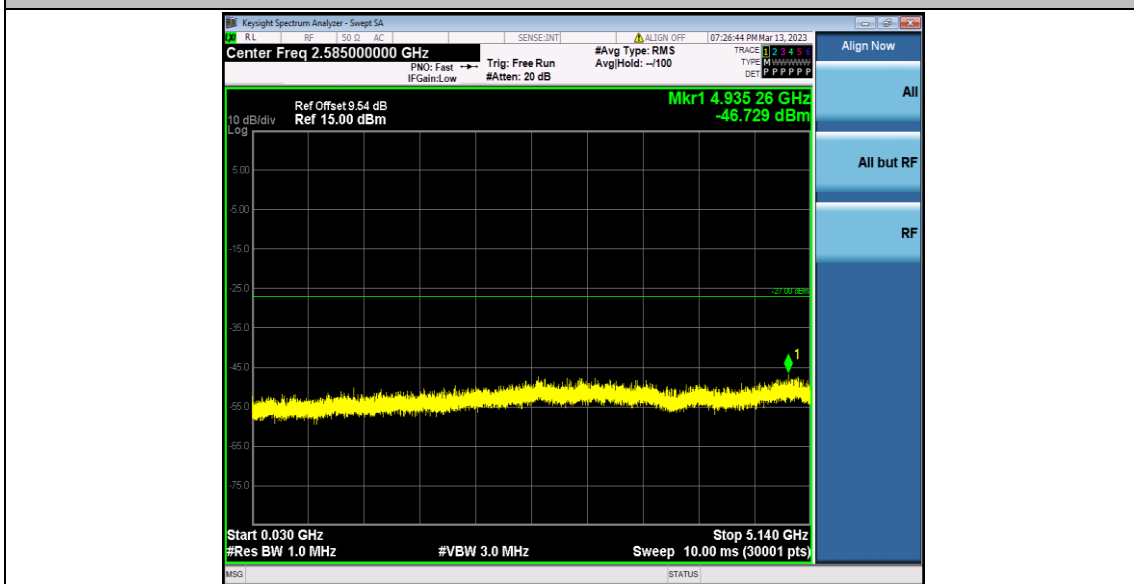
11A_Ant1_5200_30~5140



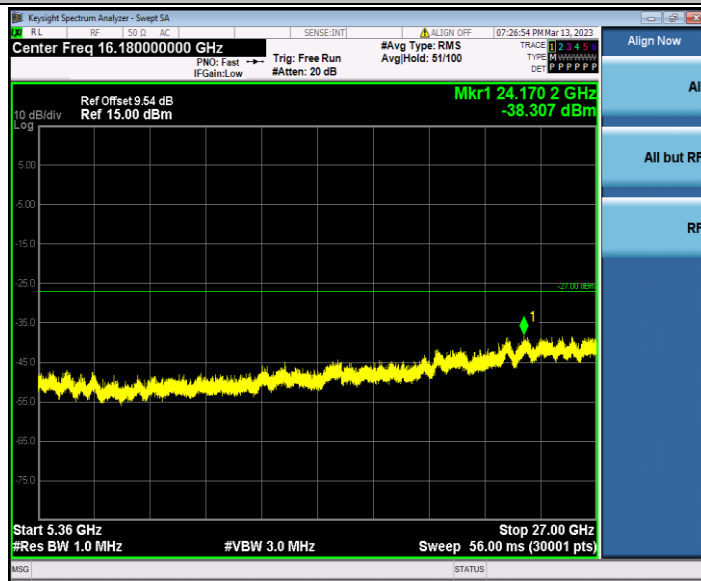
11A_Ant1_5200_5360~40000



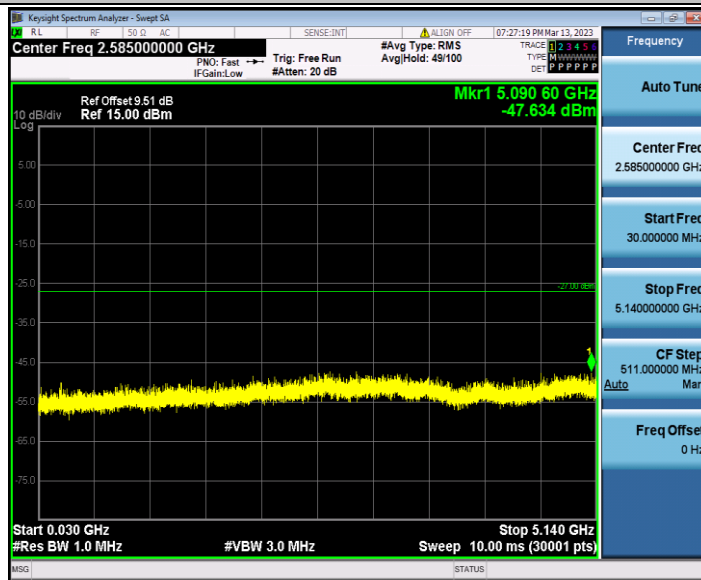
11A_Ant1_5240_30~5140



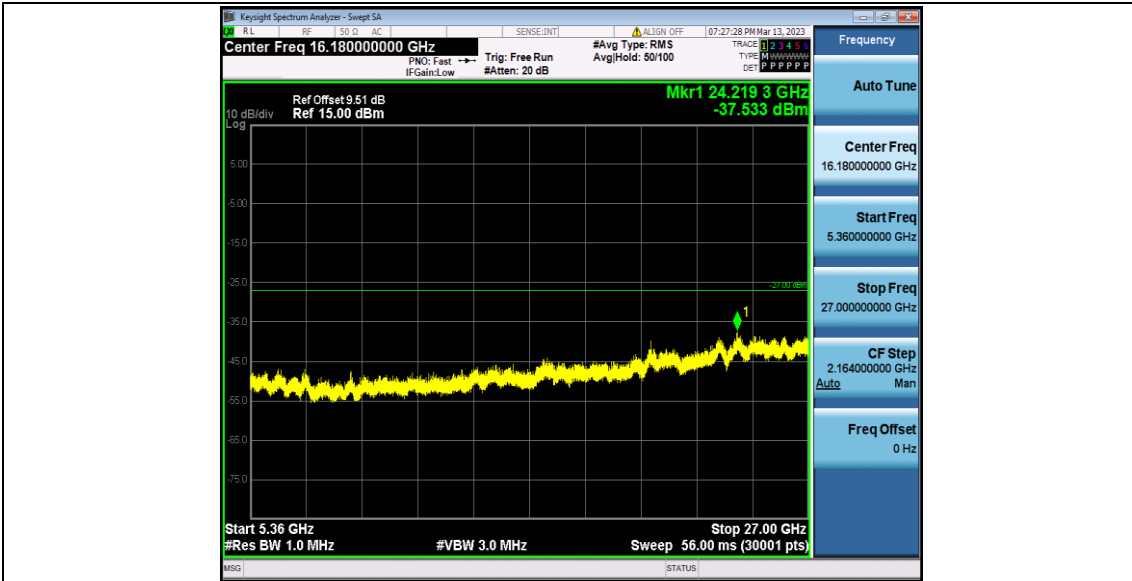
11A_Ant1_5240_5360~40000



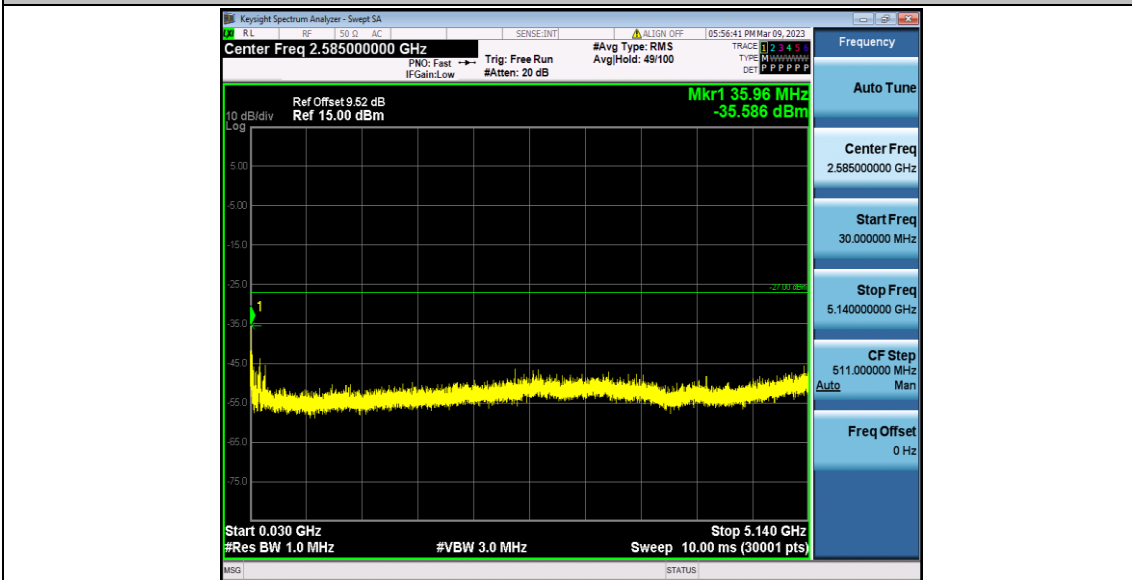
11N20SISO_Ant1_5180_30~5140



11N20SISO_Ant1_5180_5360~40000



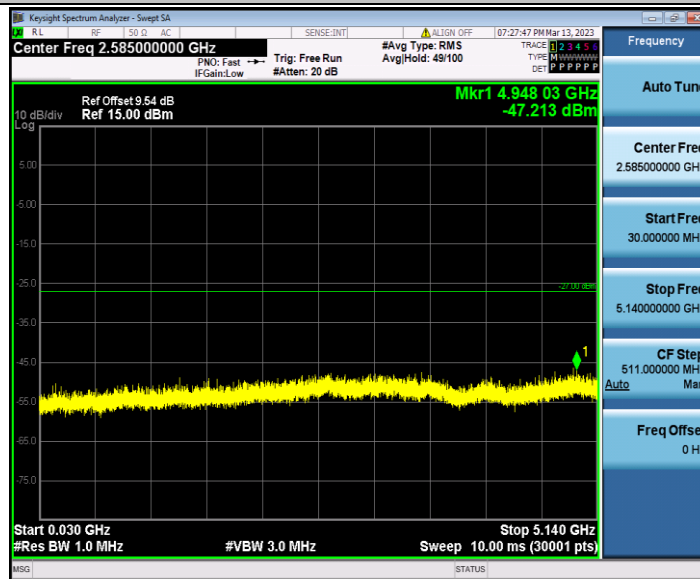
11N20SISO_Ant1_5200_30~5140



11N20SISO_Ant1_5200_5360~40000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~40000

