

Case No. : <u>GTS20221031017-1-12</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.09</u>	Test Engineer: <u>Jenny zeng</u>

Appendix C.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	21.400	5249.240	5270.640	---	---
		5280	21.840	5268.920	5290.760	---	---
		5320	21.480	5309.400	5330.880	---	---
11N20SISO	Ant1	5260	22.240	5248.760	5271.000	---	---
		5280	22.320	5268.880	5291.200	---	---
		5320	22.080	5309.160	5331.240	---	---
11N40SISO	Ant1	5270	42.480	5248.480	5290.960	---	---
		5310	43.440	5288.240	5331.680	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



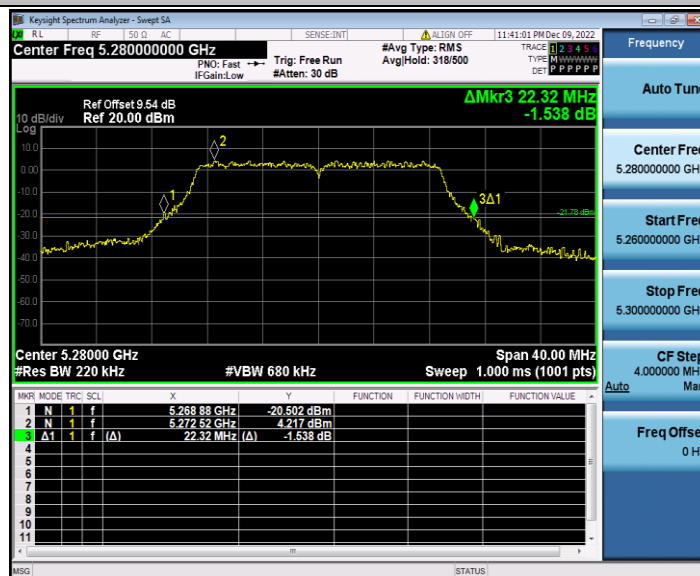
11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



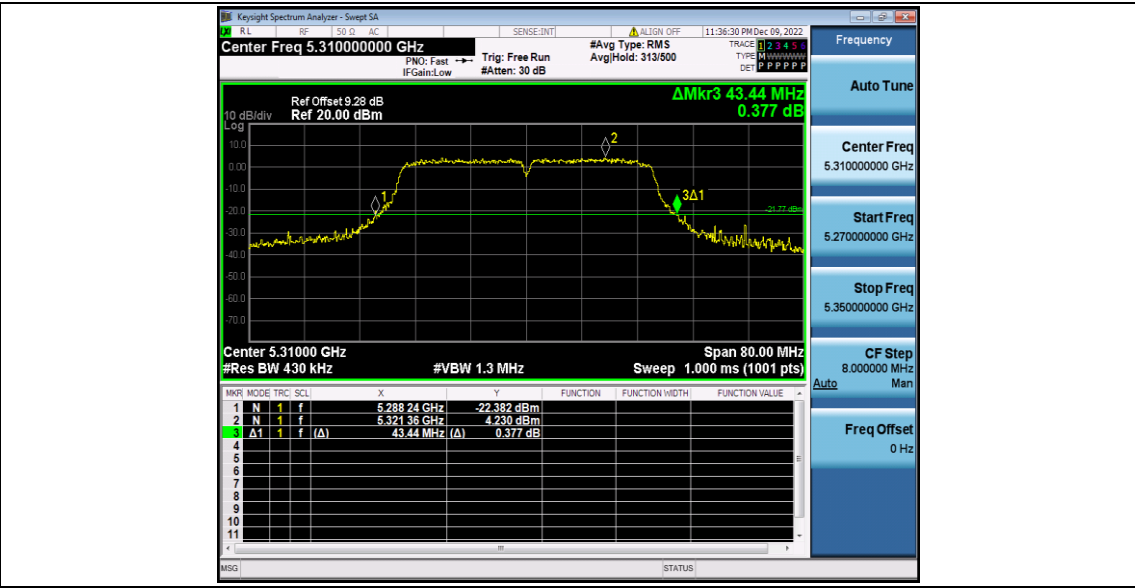
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



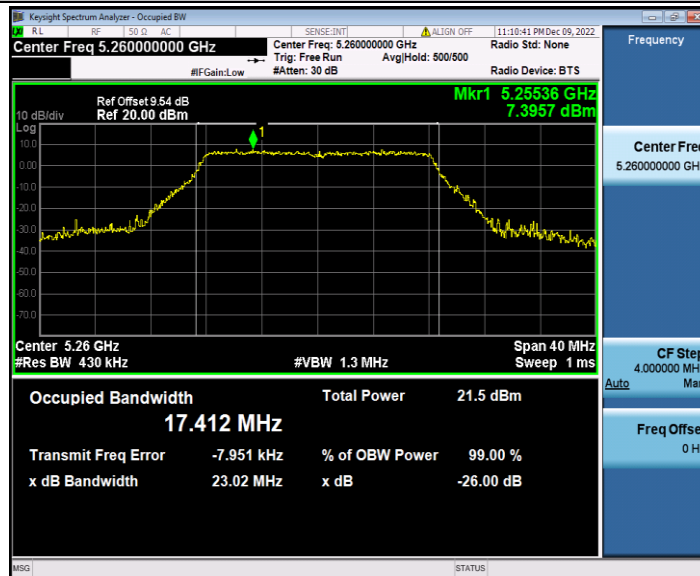
Appendix C.2: Occupied channel bandwidth

Test Result

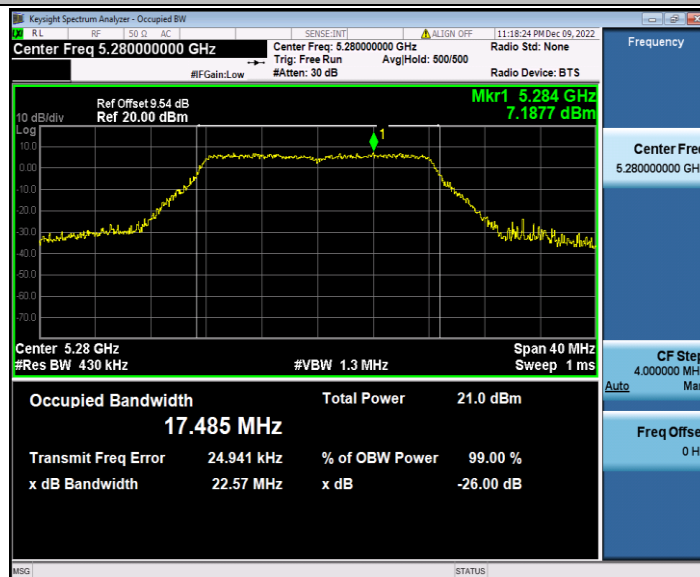
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.412	5251.286	5268.698	---	---
		5280	17.485	5271.282	5288.767	---	---
		5320	17.407	5311.337	5328.744	---	---
11N20SISO	Ant1	5260	18.365	5250.809	5269.174	---	---
		5280	18.408	5270.831	5289.239	---	---
		5320	18.377	5310.875	5329.252	---	---
11N40SISO	Ant1	5270	36.601	5251.693	5288.294	---	---
		5310	36.611	5291.796	5328.407	---	---

Test Graphs

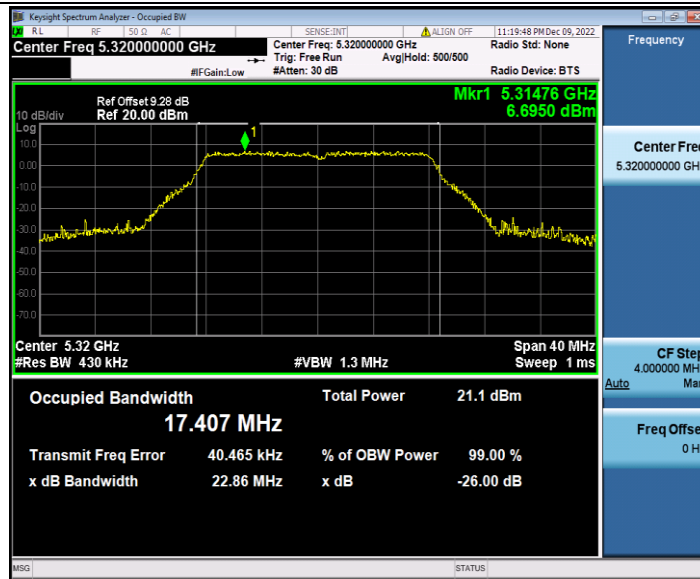
11A_Ant1_5260



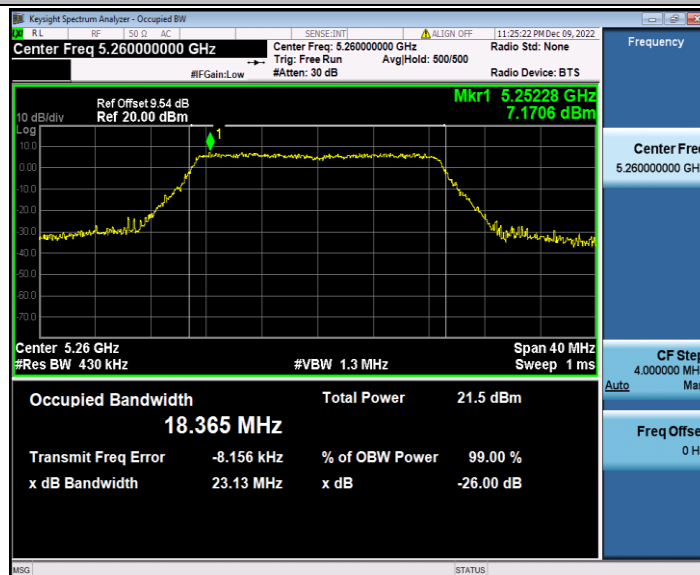
11A_Ant1_5280



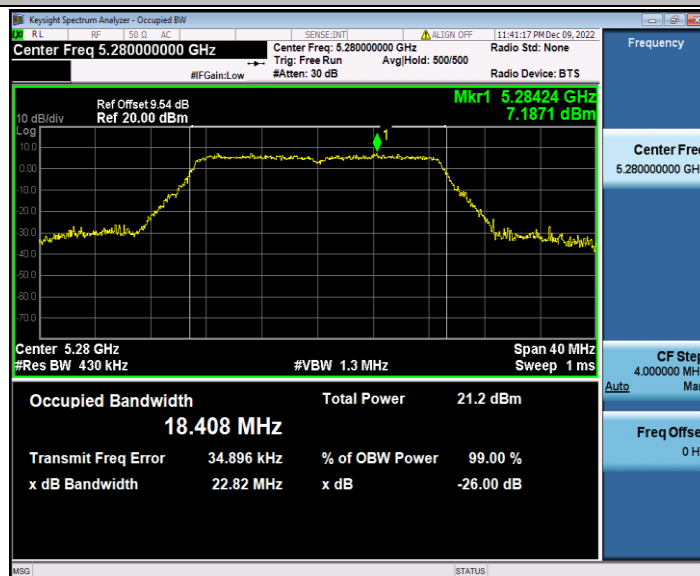
11A_Ant1_5320



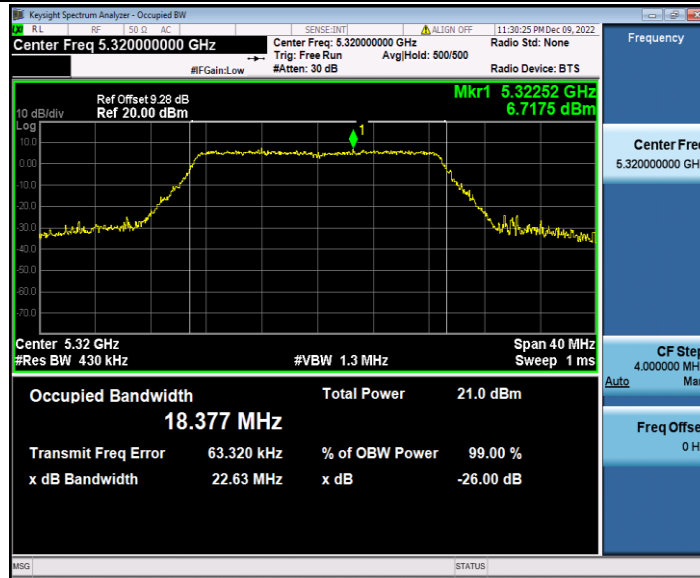
11N20SISO_Ant1_5260



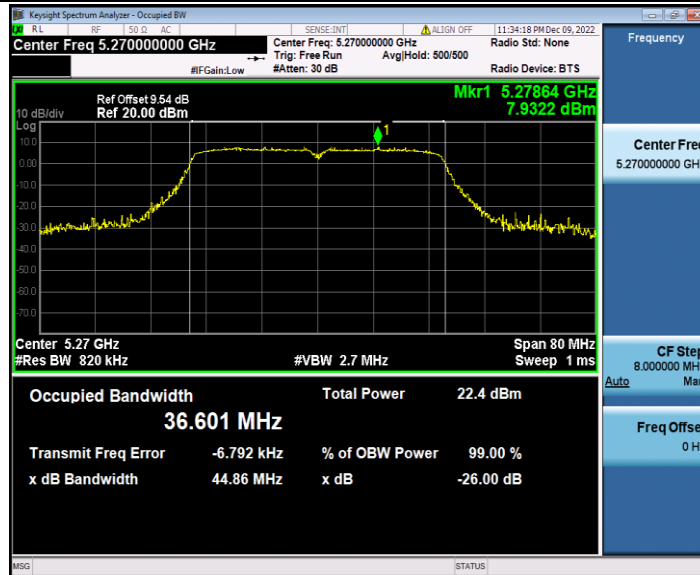
11N20SISO_Ant1_5280



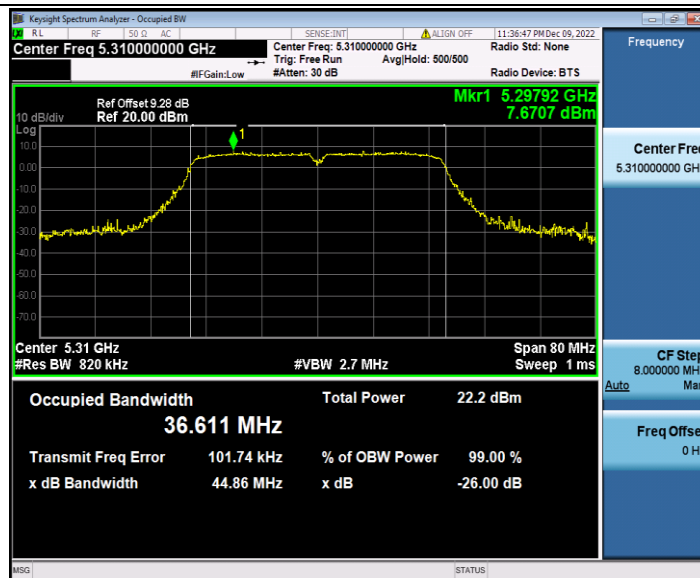
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



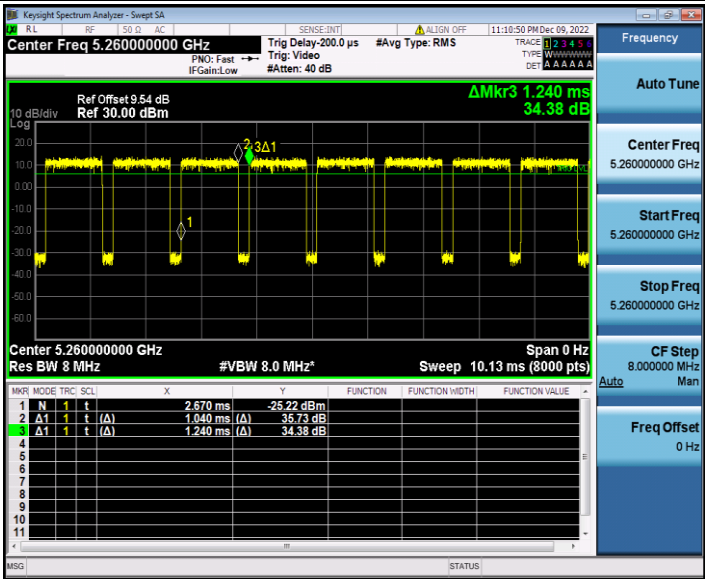
Appendix C.3: Duty Cycle

Test Result

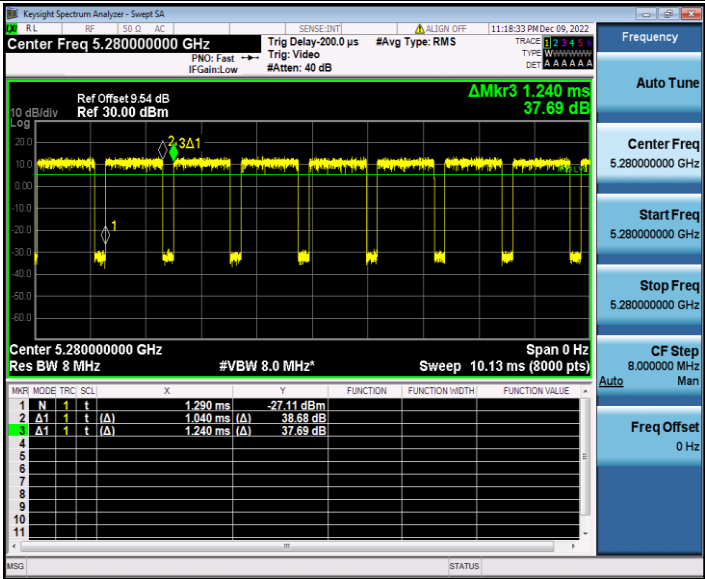
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	1.04	1.24	83.87
		5280	1.04	1.24	83.87
		5320	1.04	1.24	83.87
11N20SISO	Ant1	5260	0.98	1.17	83.76
		5280	30.00	30.00	100.00
		5320	0.98	1.18	83.05
11N40SISO	Ant1	5270	0.48	0.68	70.59
		5310	0.49	0.69	71.01

Test Graphs

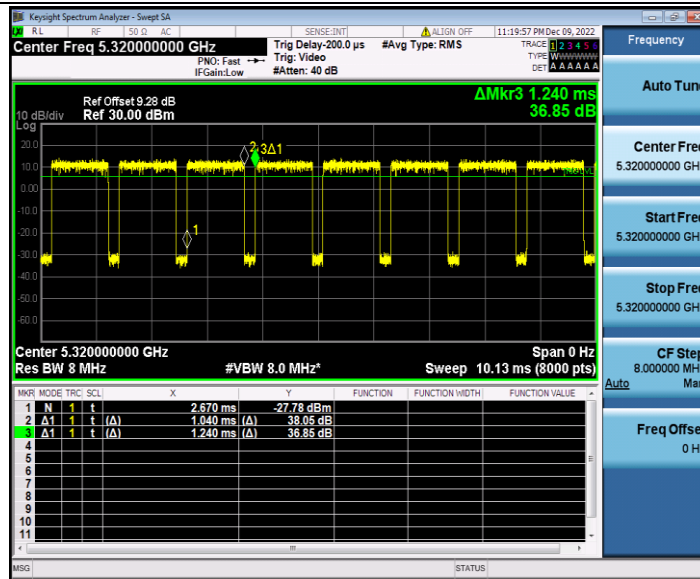
11A_Ant1_5260



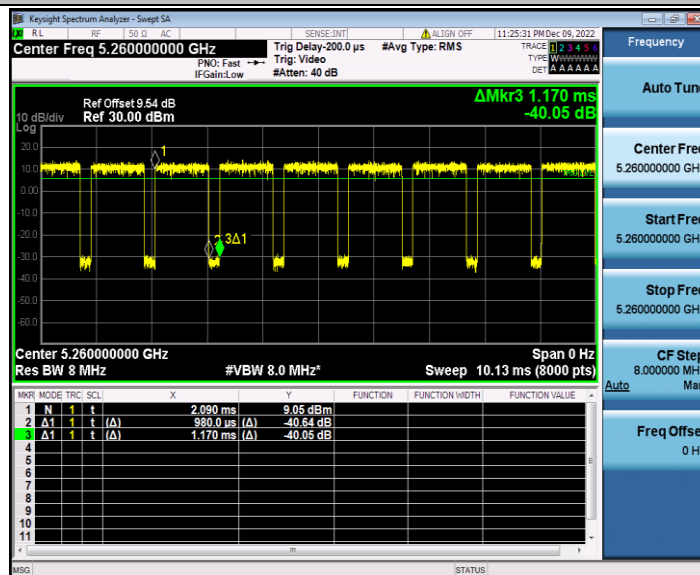
11A_Ant1_5280



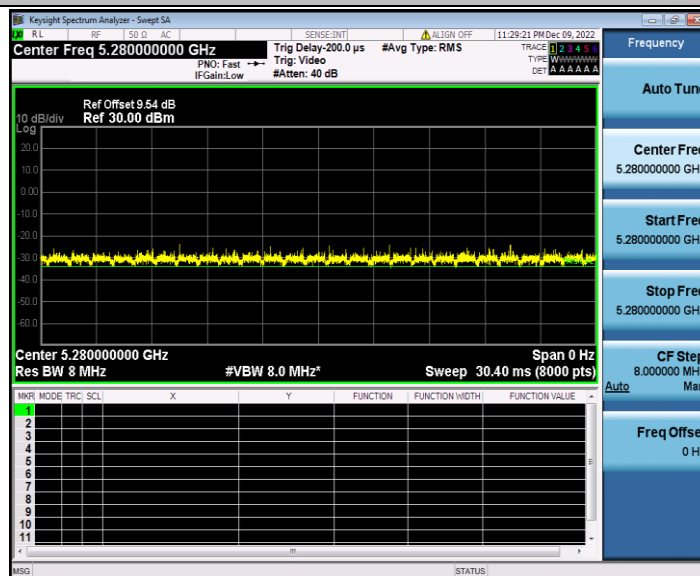
11A_Ant1_5320



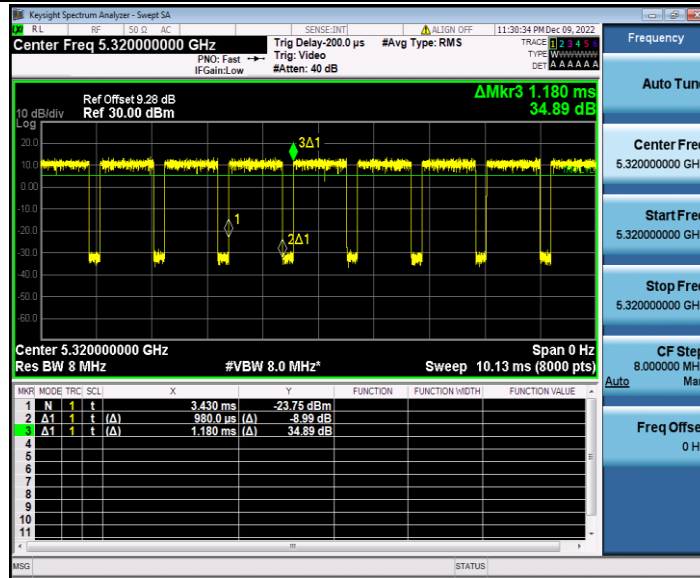
11N20SISO_Ant1_5260



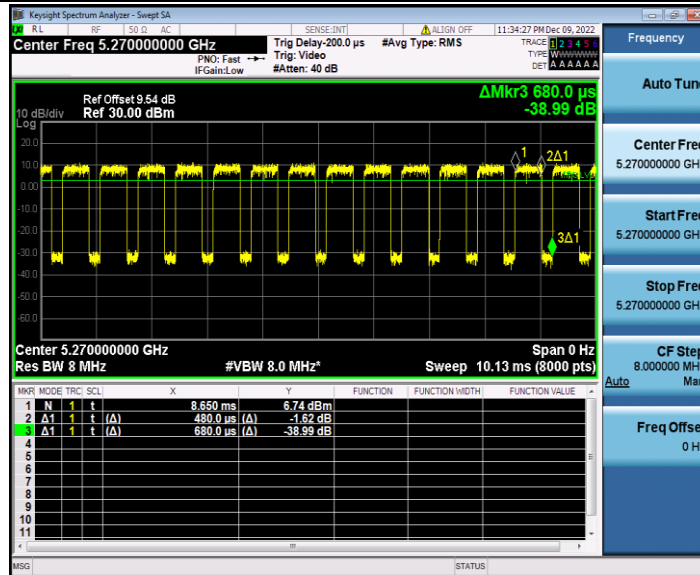
11N20SISO_Ant1_5280



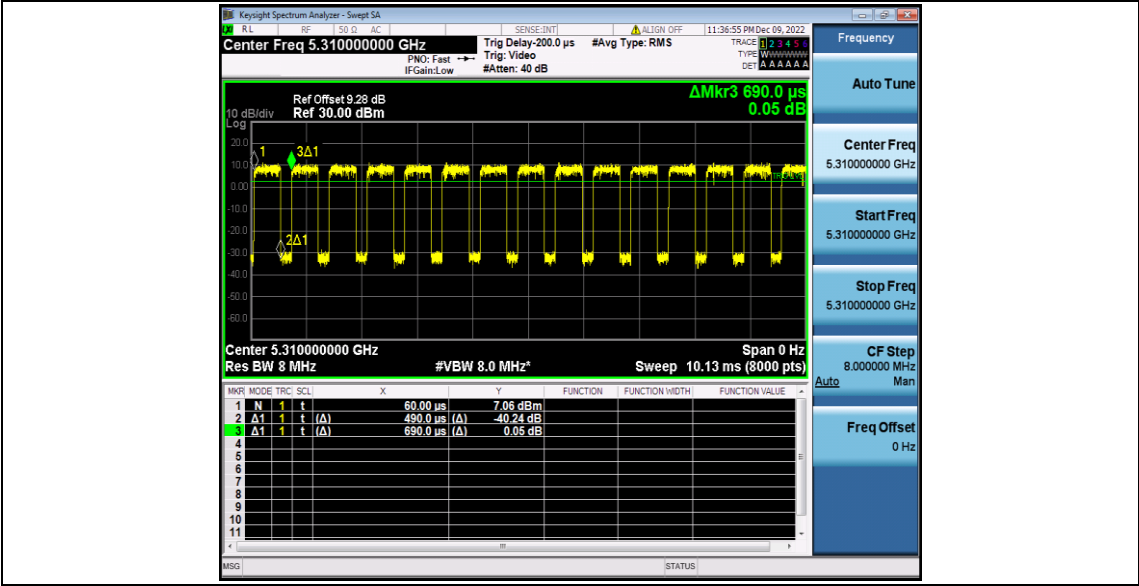
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



Appendix C.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power[dBm]	Duty Cycle[%]	DC Factor[dBm]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5260	10.85	83.87	0.76	11.61	≤23.98	PASS
		5280	10.44	83.87	0.76	11.20	≤23.98	PASS
		5320	10.12	83.87	0.76	10.88	≤23.98	PASS
11N20SISO	Ant1	5260	9.95	83.76	0.77	10.72	≤23.98	PASS
		5280	9.22	100.00	0.00	9.22	≤23.98	PASS
		5320	9.49	83.05	0.81	10.30	≤23.98	PASS
11N40SISO	Ant1	5270	8.82	70.59	1.51	10.33	≤23.98	PASS
		5310	10.02	71.01	1.49	11.51	≤23.98	PASS

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

Appendix C.5: Maximum power spectral density

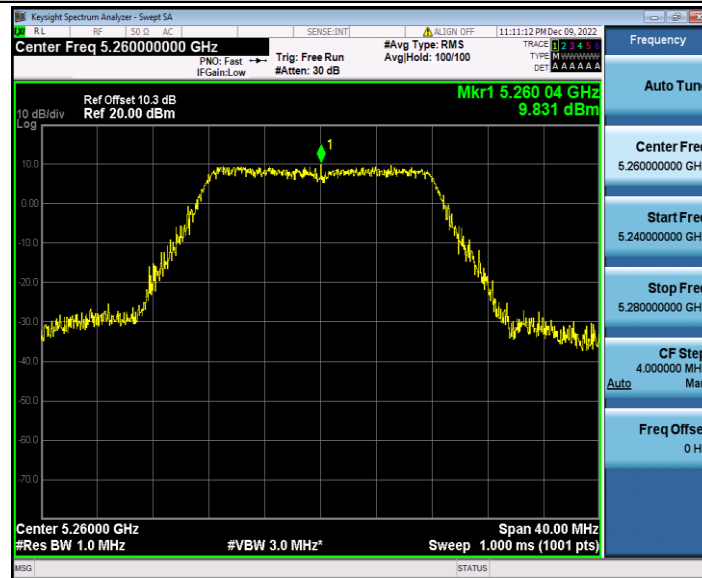
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	9.83	≤11.00	PASS
		5280	9.48	≤11.00	PASS
		5320	9.61	≤11.00	PASS
11N20SISO	Ant1	5260	10.32	≤11.00	PASS
		5280	8.94	≤11.00	PASS
		5320	8.85	≤11.00	PASS
11N40SISO	Ant1	5270	7.71	≤11.00	PASS
		5310	8.38	≤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

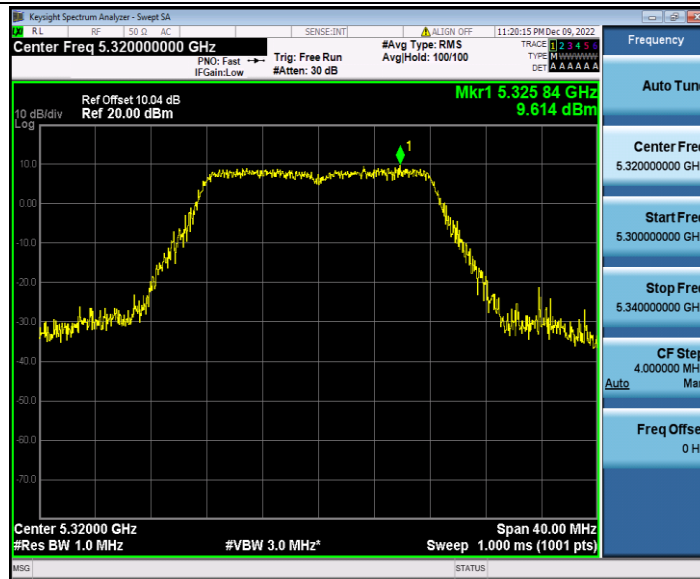
11A_Ant1_5260



11A_Ant1_5280



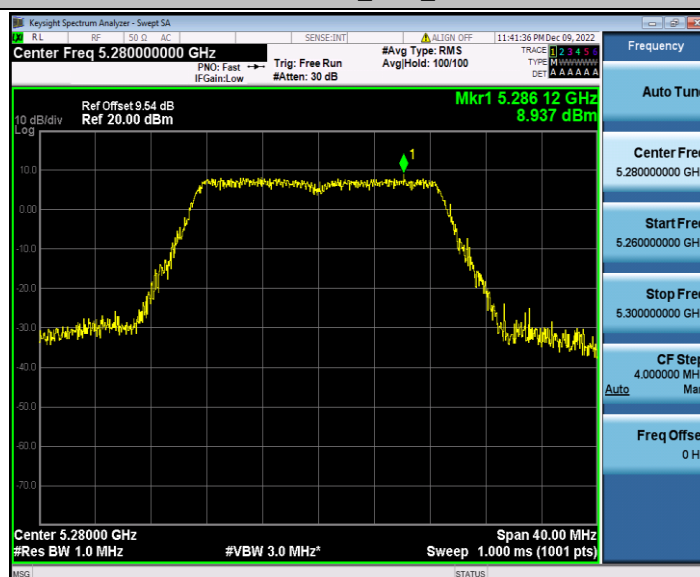
11A_Ant1_5320



11N20SISO_Ant1_5260



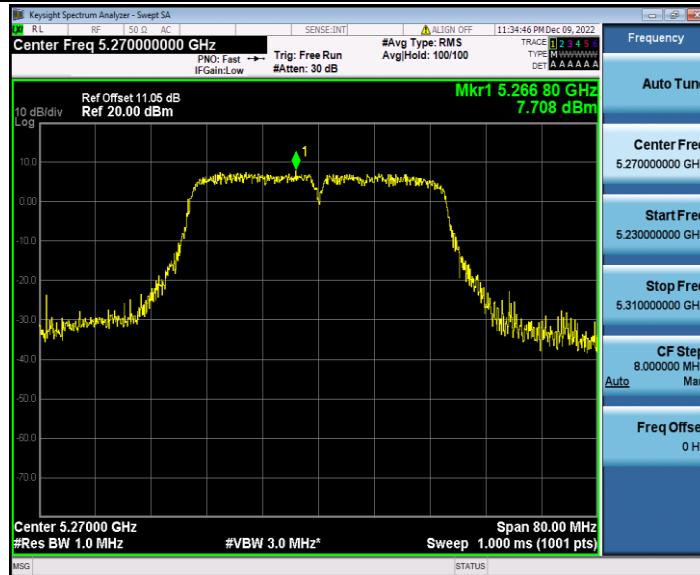
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



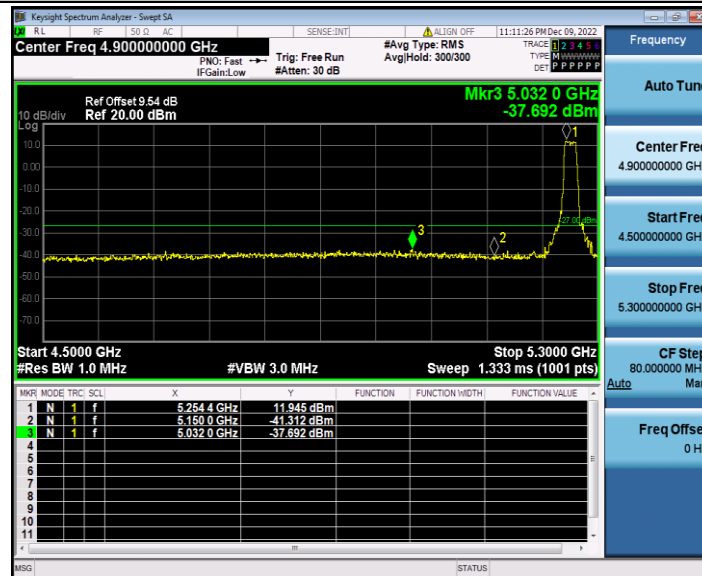
Appendix C.6: Band edge measurements

Test Result B2

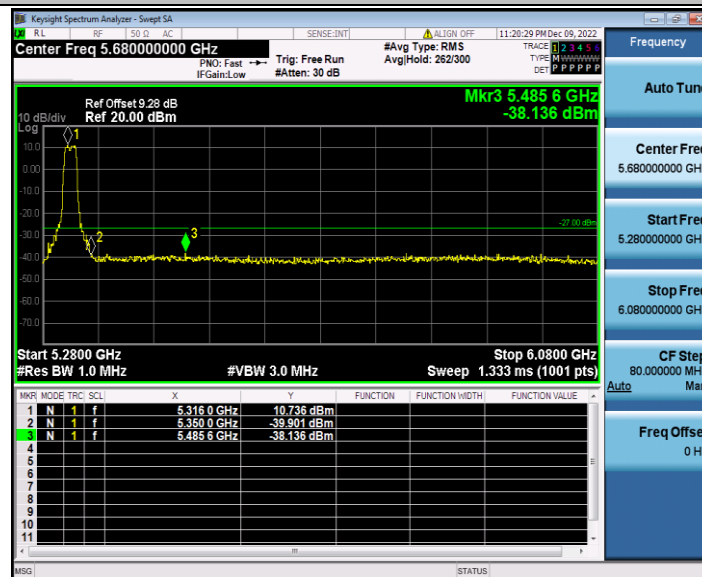
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-37.69	≤-27	PASS
		High	5320	-38.14	≤-27	PASS
11N20SISO	Ant1	Low	5260	-38.15	≤-27	PASS
		High	5320	-36.68	≤-27	PASS
11N40SISO	Ant1	Low	5270	-37.12	≤-27	PASS
		High	5310	-29.95	≤-27	PASS

Test Graphs B1/2/3

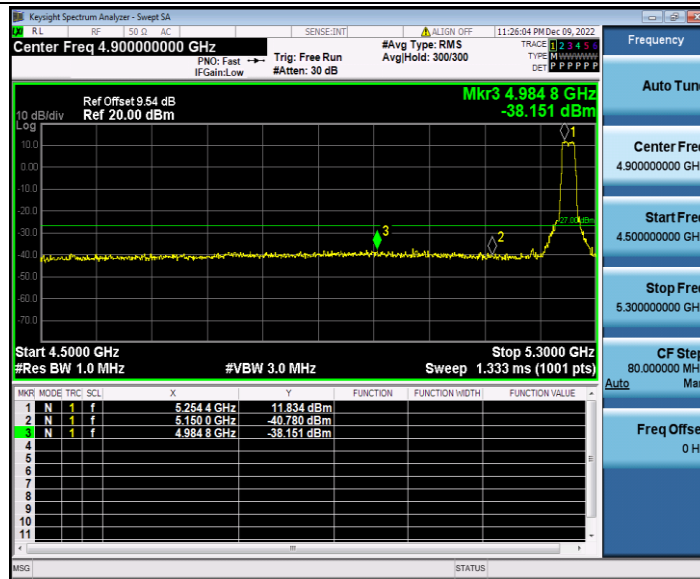
11A_Ant1_Low_5260



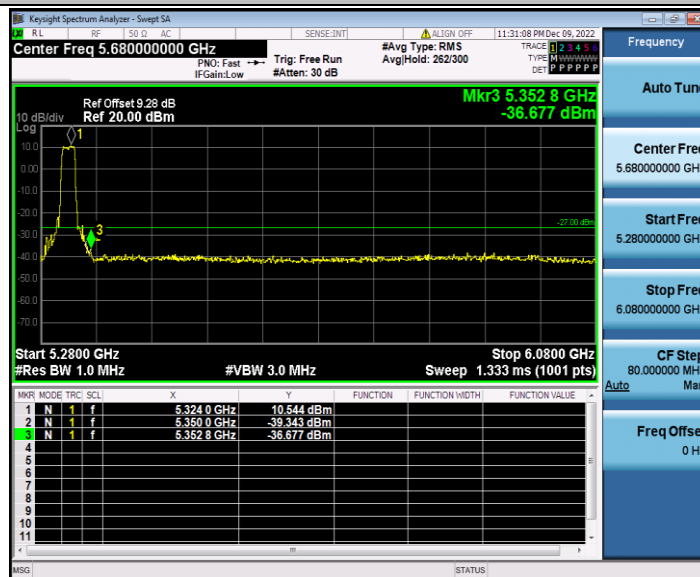
11A_Ant1_High_5320



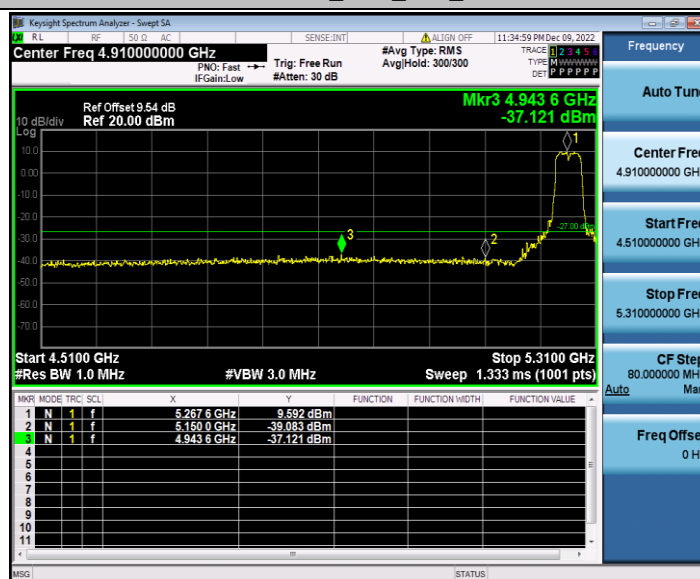
11N20SISO_Ant1_Low_5260



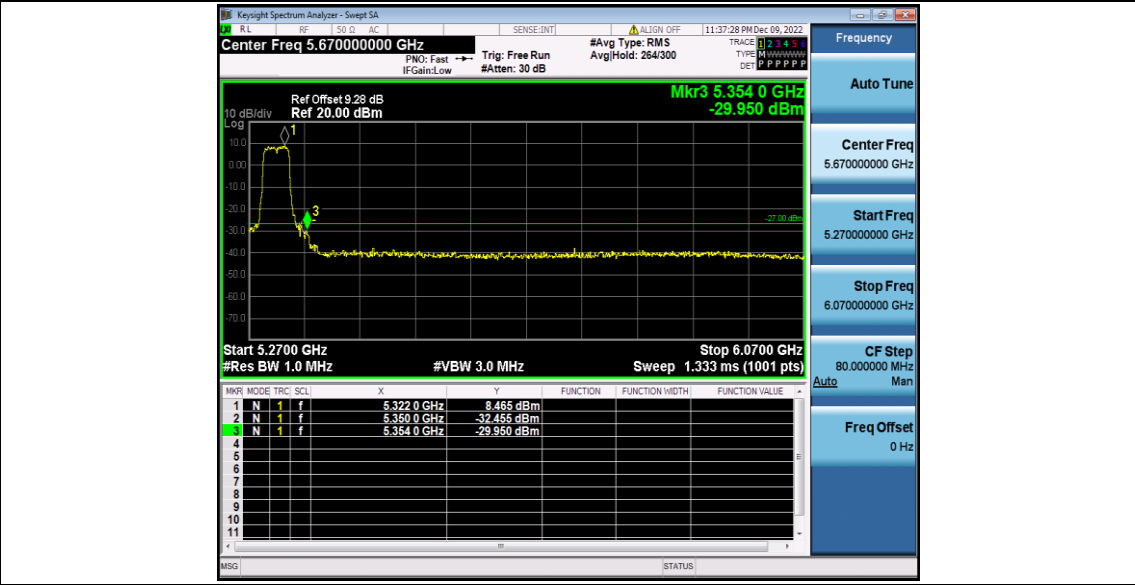
11N20SISO_Ant1_High_5320



11N40SISO_Ant1_Low_5270



11N40SISO_Ant1_High_5310



Appendix C.7: Conducted Spurious Emission

Test Result

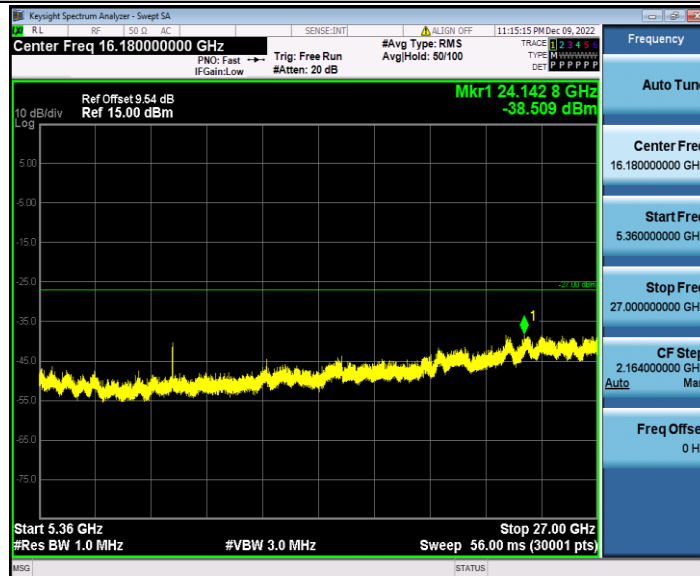
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	5086	-46.96	≤-27	PASS
			5360~40000	24142.8	-38.51	≤-27	PASS
		5280	30~5140	1746.79	-40.27	≤-27	PASS
			5360~40000	26059.38	-38.27	≤-27	PASS
		5320	30~5140	4925.21	-47.39	≤-27	PASS
			5360~40000	25004.79	-37.52	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	4988.91	-46.52	≤-27	PASS
			5360~40000	24230.08	-37.17	≤-27	PASS
		5280	30~5140	4973.75	-47.03	≤-27	PASS
			5360~40000	26094.01	-38.13	≤-27	PASS
		5320	30~5140	5017.19	-47.56	≤-27	PASS
			5360~40000	23558.52	-38.3	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	2554	-46.9	≤-27	PASS
			5360~40000	25250.05	-38.21	≤-27	PASS
		5310	30~5140	3167.03	-46.19	≤-27	PASS
			5360~40000	5360	-37.1	≤-27	PASS

Test Graphs

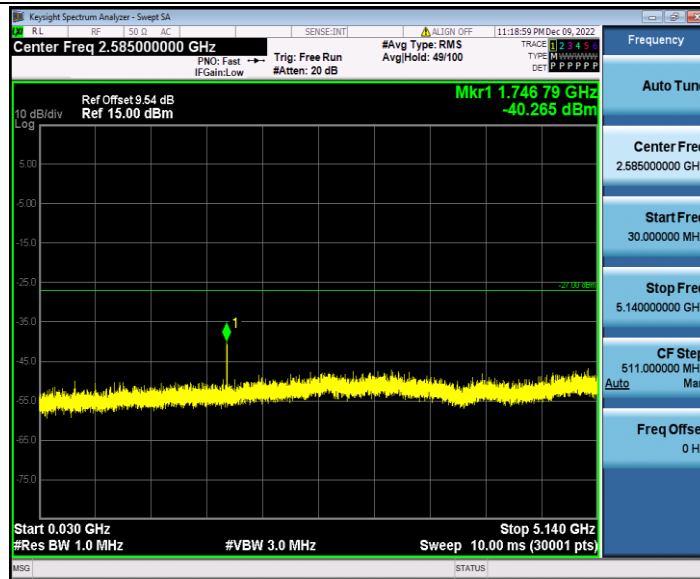
11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~40000



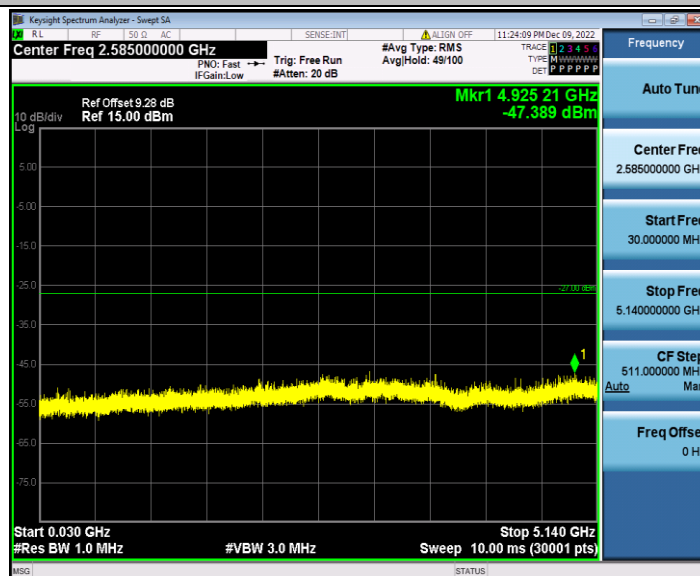
11A_Ant1_5280_30~5140



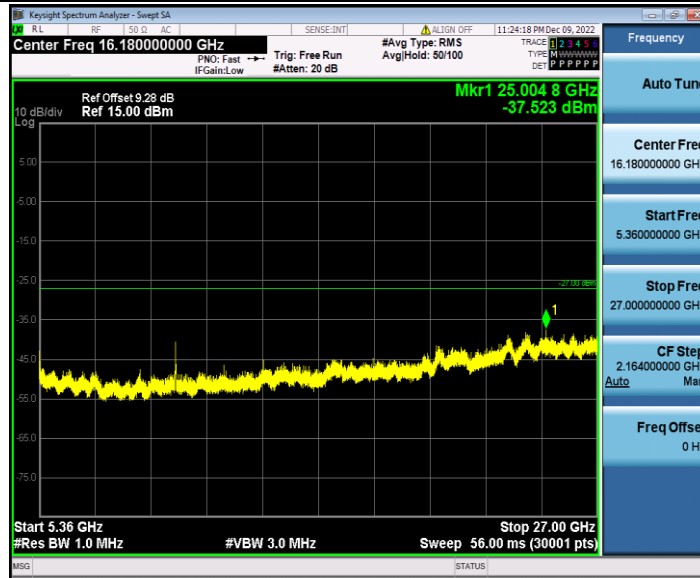
11A_Ant1_5280_5360~40000



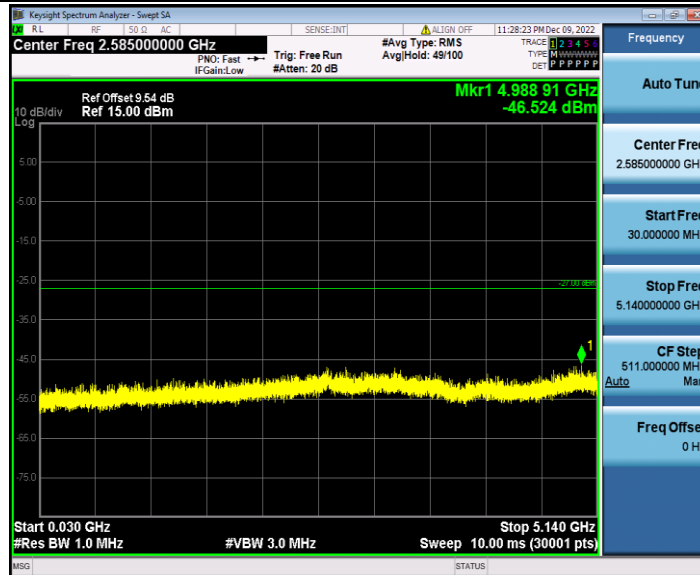
11A_Ant1_5320_30~5140



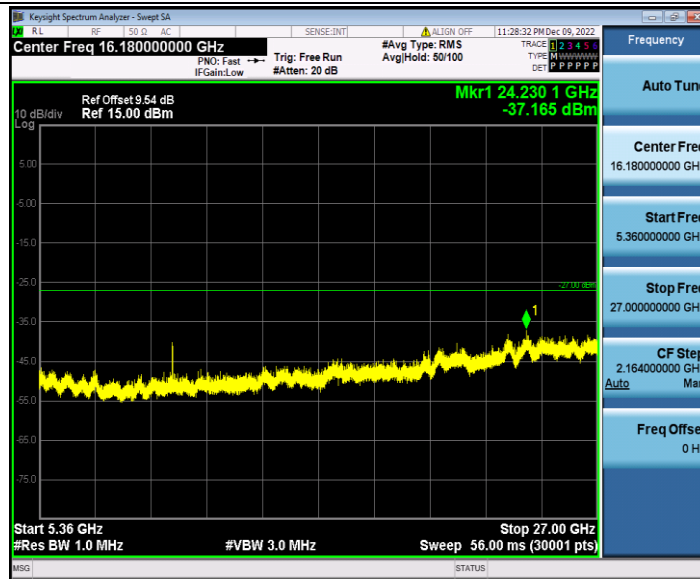
11A_Ant1_5320_5360~40000



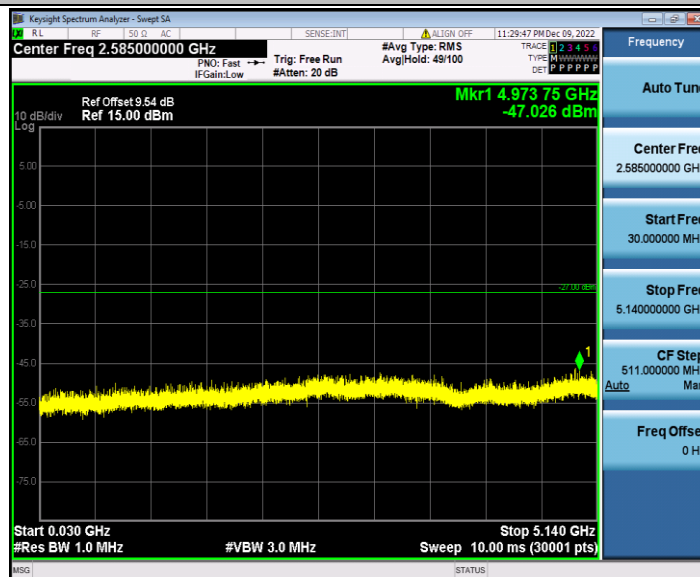
11N20SISO_Ant1_5260_30~5140



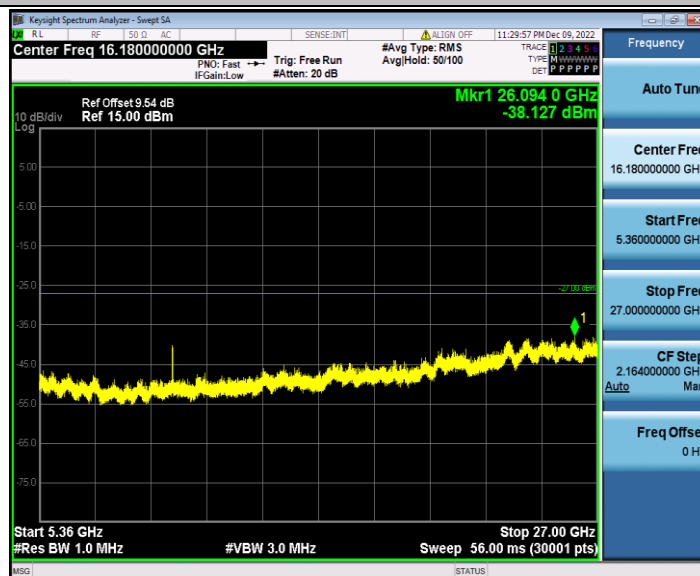
11N20SISO_Ant1_5260_5360~40000



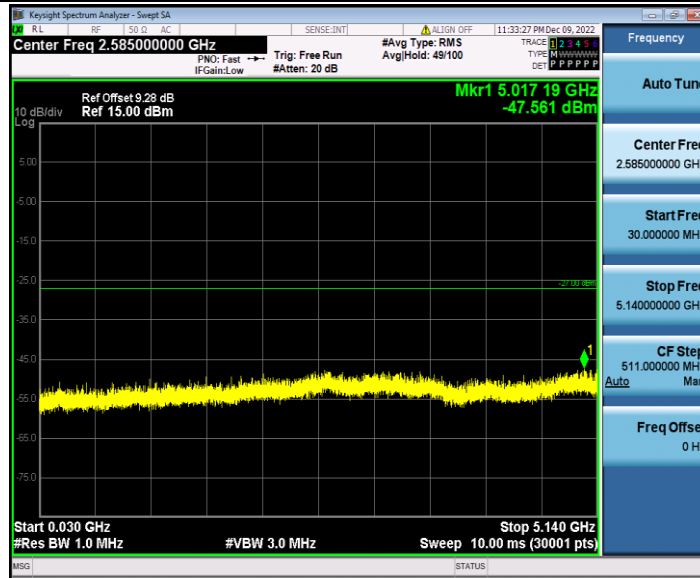
11N20SISO_Ant1_5280_30~5140



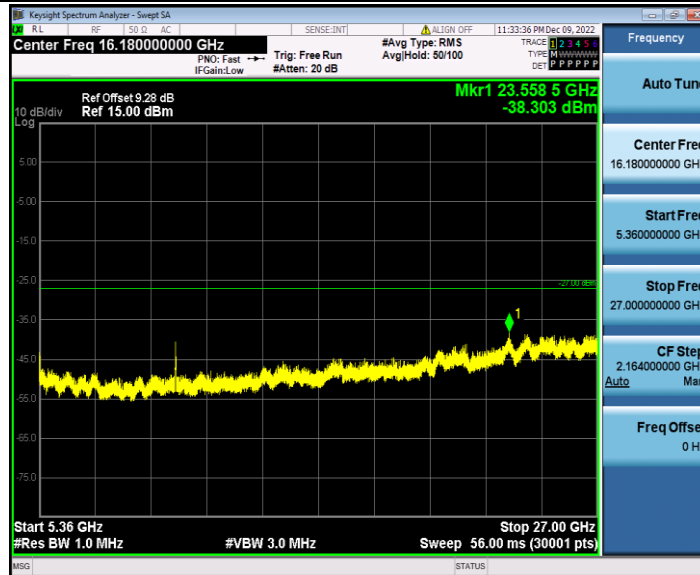
11N20SISO_Ant1_5280_5360~40000



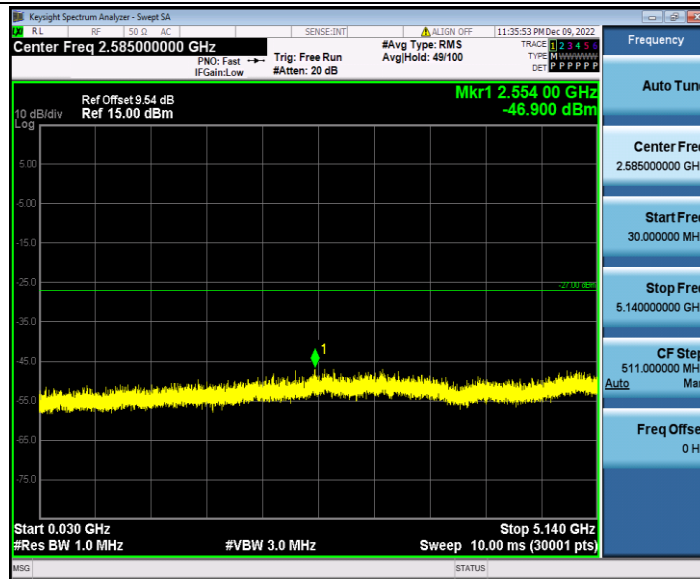
11N20SISO_Ant1_5320_30~5140



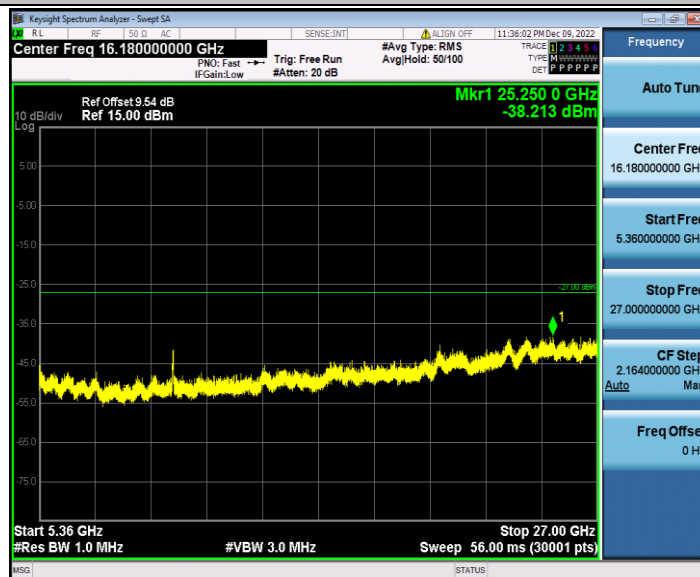
11N20SISO_Ant1_5320_5360~40000



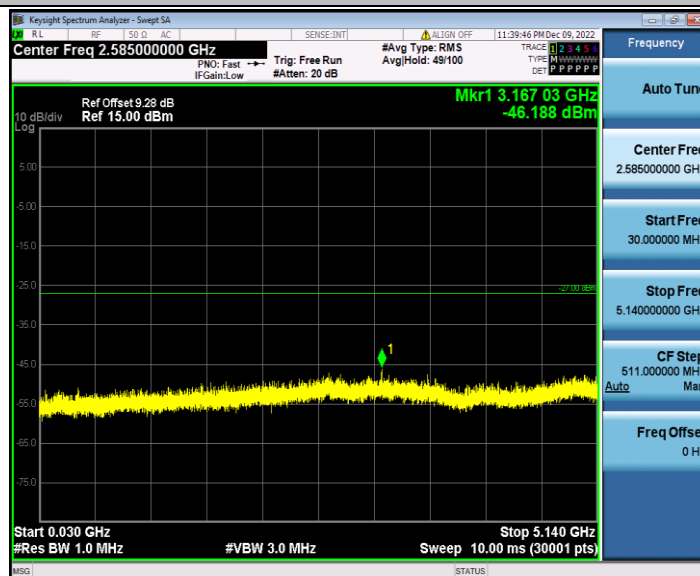
11N40SISO_Ant1_5270_30~5140



11N40SISO_Ant1_5270_5360-40000



11N40SISO_Ant1_5310_30-5140



11N40SISO_Ant1_5310_5360-40000

