

Case No. : <u>GTS20221031017-1-12</u>	
Ambient Condition: <u>26</u> °C, <u>52</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.07</u>	Test Engineer: <u>Jenny zeng</u>

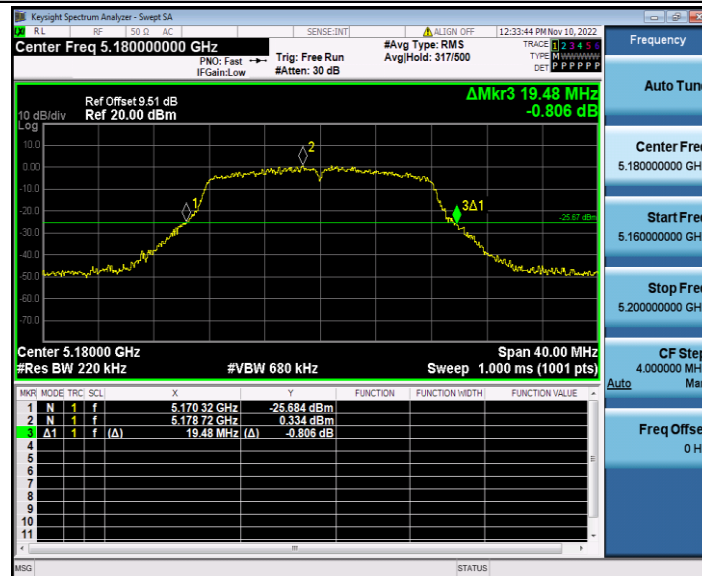
Appendix B.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.480	5170.320	5189.800	---	---
		5200	19.400	5190.280	5209.680	---	---
		5240	19.280	5230.400	5249.680	---	---
11N20SISO	Ant1	5180	19.480	5170.440	5189.920	---	---
		5200	20.480	5189.720	5210.200	---	---
		5240	19.960	5229.920	5249.880	---	---
11N40SISO	Ant1	5190	38.160	5170.960	5209.120	---	---
		5230	38.240	5210.880	5249.120	---	---

Test Graphs

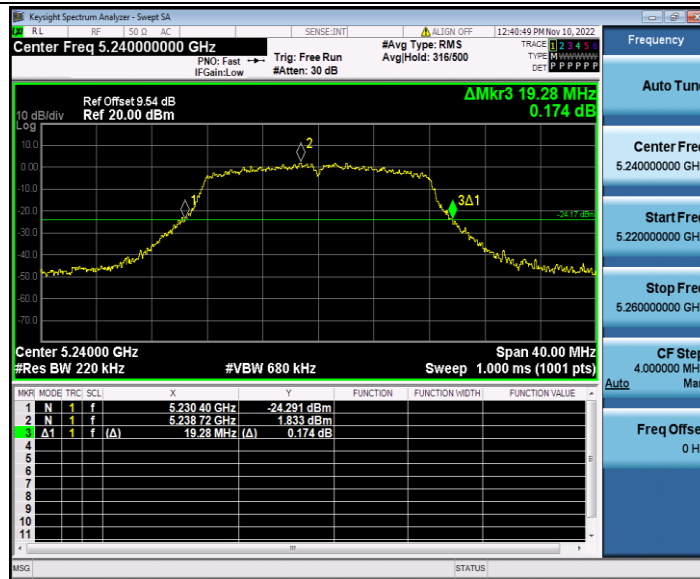
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



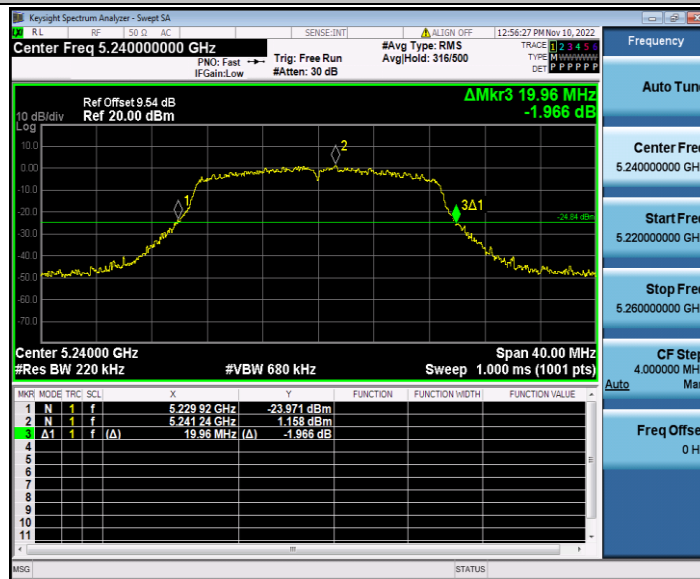
11N20SISO_Ant1_5180



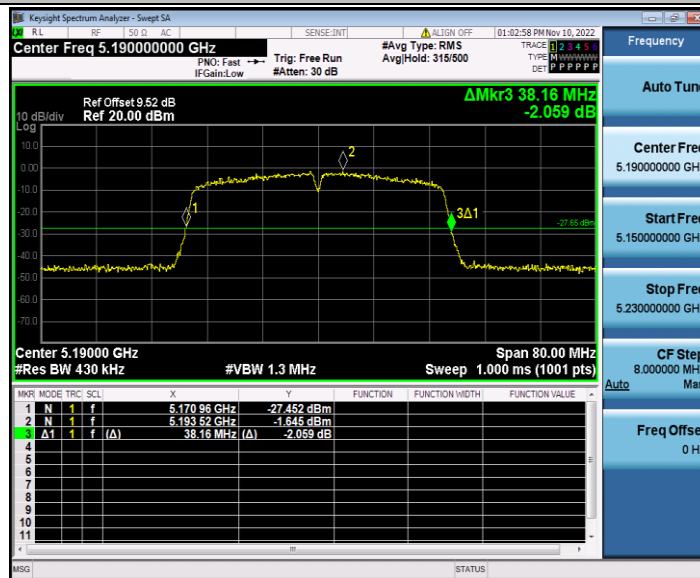
11N20SISO_Ant1_5200



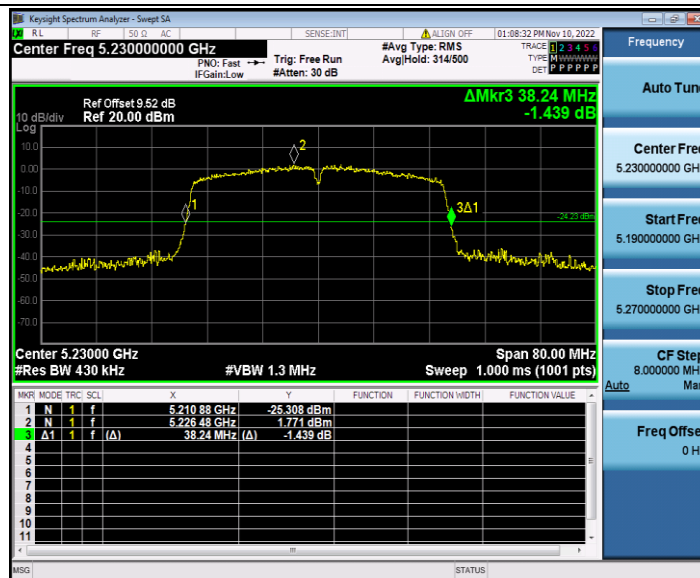
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



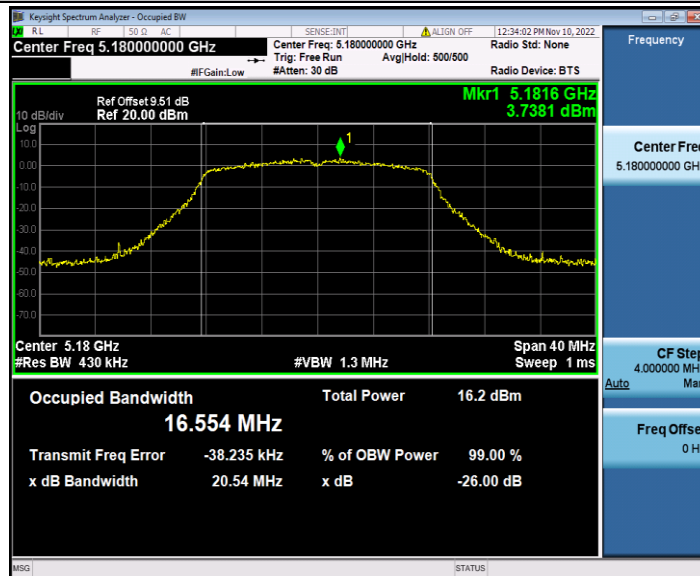
Appendix B.2: Occupied channel bandwidth

Test Result

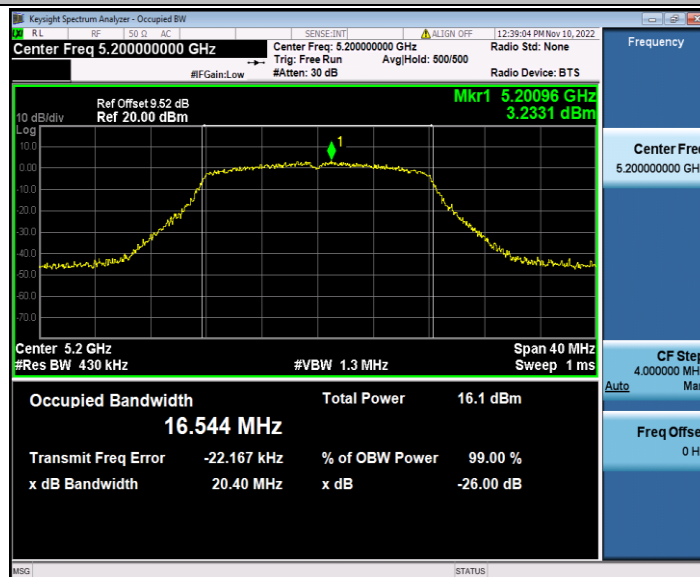
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.554	5171.685	5188.239	---	---
		5200	16.544	5191.706	5208.250	---	---
		5240	16.553	5231.660	5248.213	---	---
11N20SISO	Ant1	5180	17.537	5171.235	5188.772	---	---
		5200	17.586	5191.186	5208.772	---	---
		5240	17.591	5231.162	5248.753	---	---
11N40SISO	Ant1	5190	35.352	5172.323	5207.675	---	---
		5230	35.312	5212.284	5247.596	---	---

Test Graphs

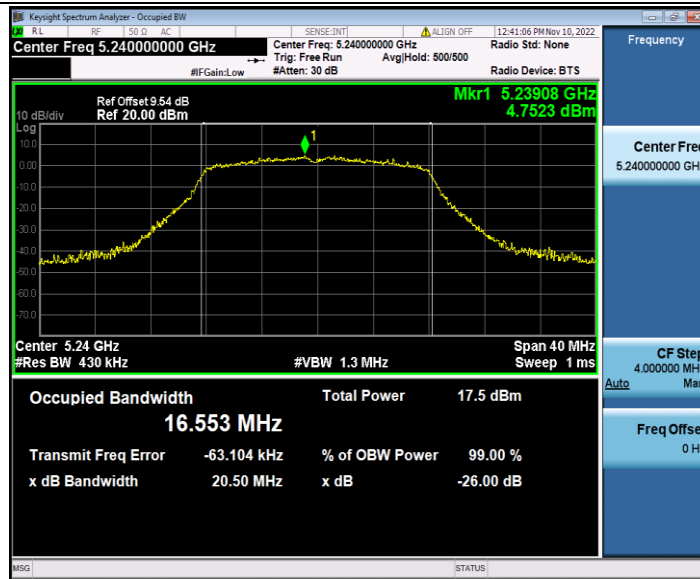
11A_Ant1_5180



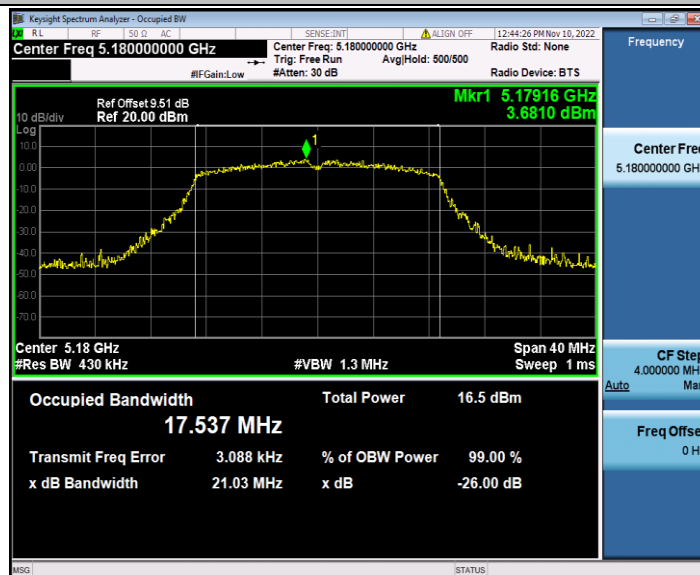
11A_Ant1_5200



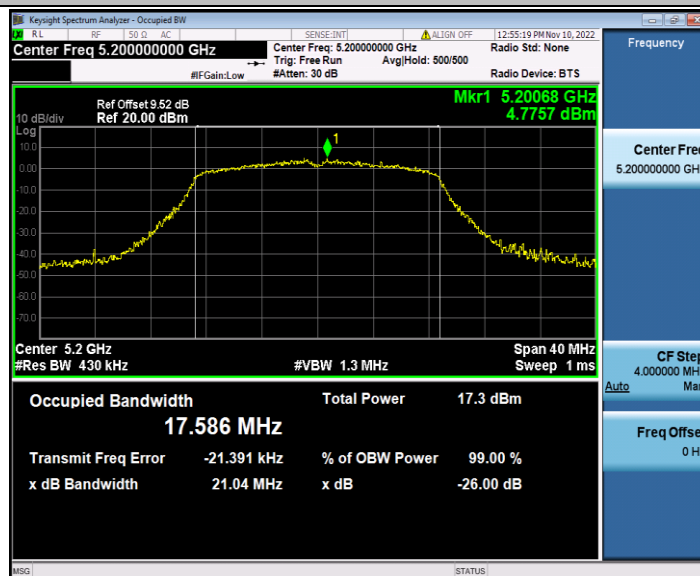
11A_Ant1_5240



11N20SISO_Ant1_5180



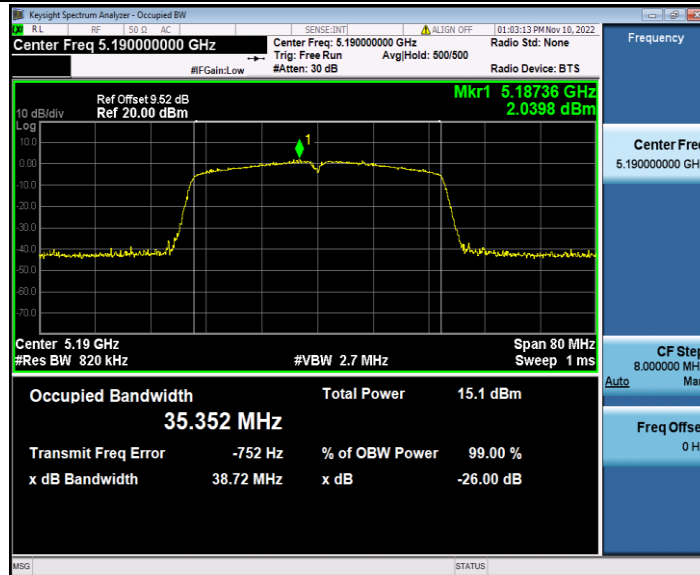
11N20SISO_Ant1_5200



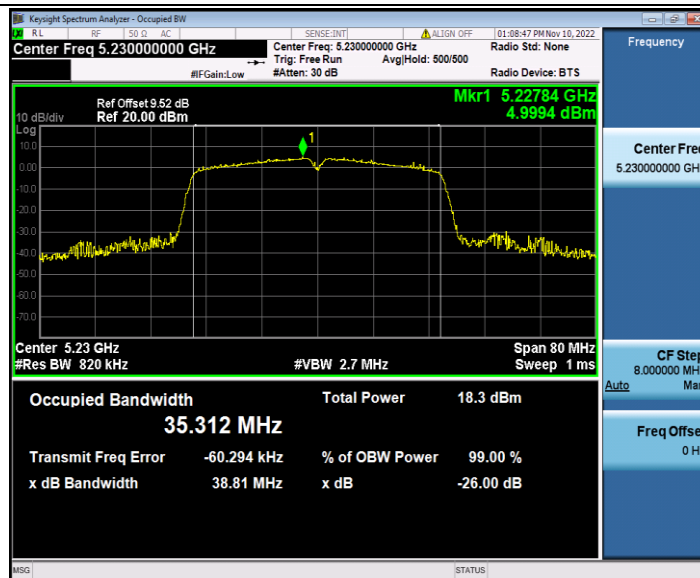
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



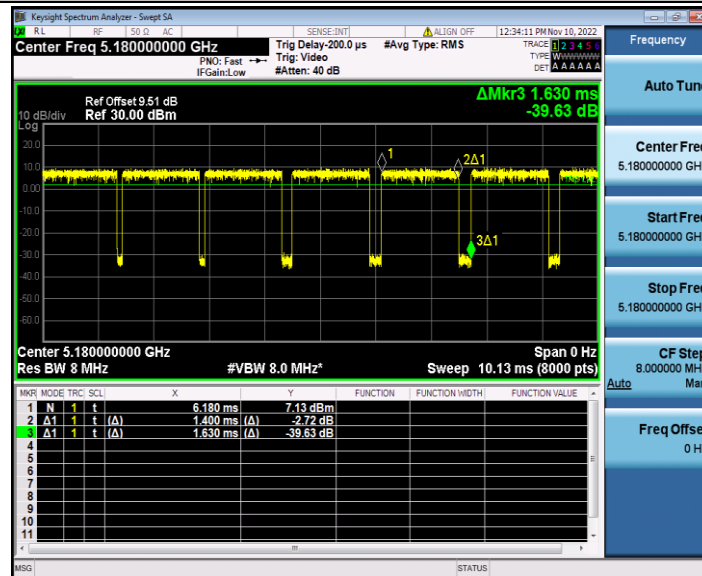
Appendix A.3: Duty Cycle

Test Result

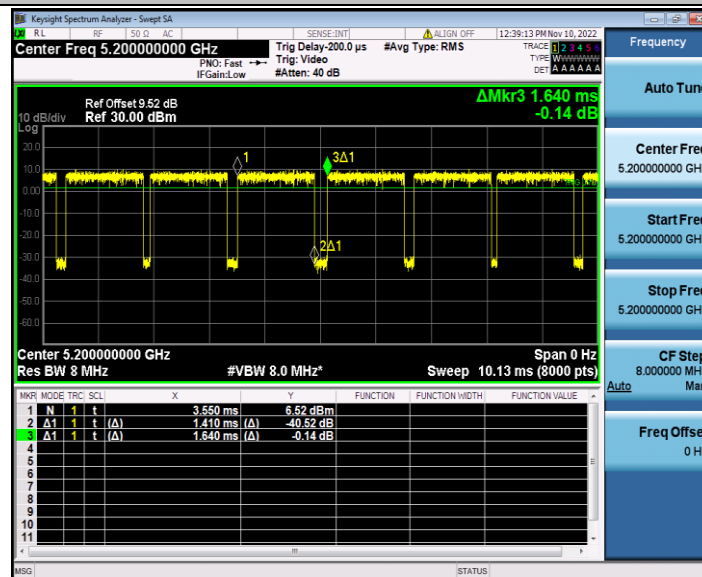
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.40	1.63	85.89
		5200	1.41	1.64	85.98
		5240	1.41	1.62	87.04
11N20SISO	Ant1	5180	1.32	10.76	85.89
		5200	1.31	1.54	85.06
		5240	1.32	1.48	89.19
11N40SISO	Ant1	5190	0.65	0.87	74.71
		5230	0.65	0.87	74.71

Test Graphs

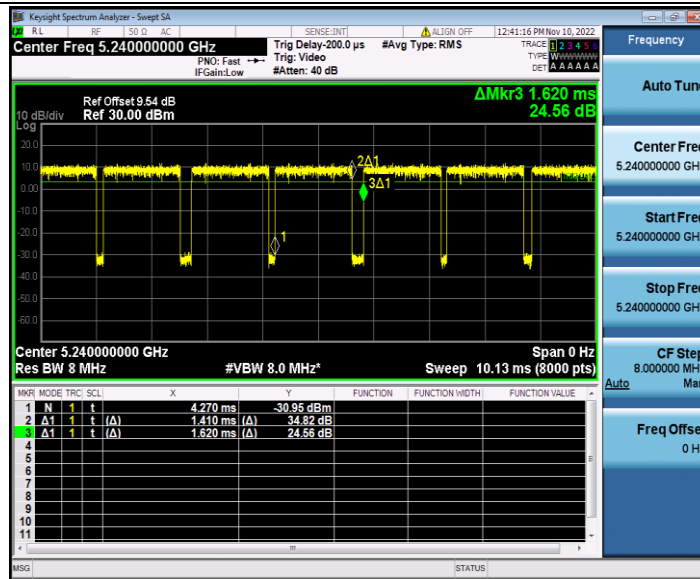
11A_Ant1_5180



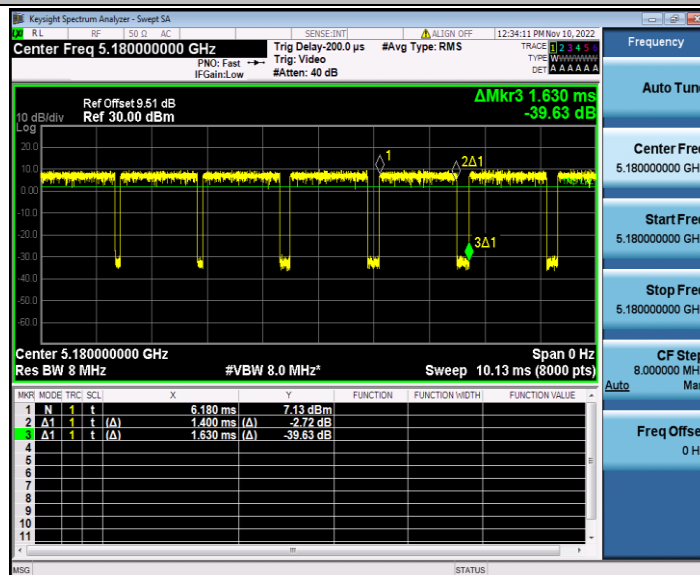
11A_Ant1_5200



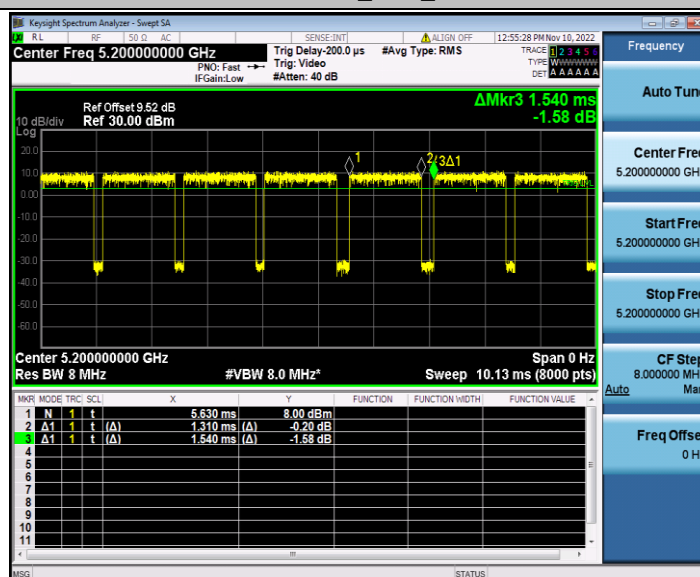
11A_Ant1_5240



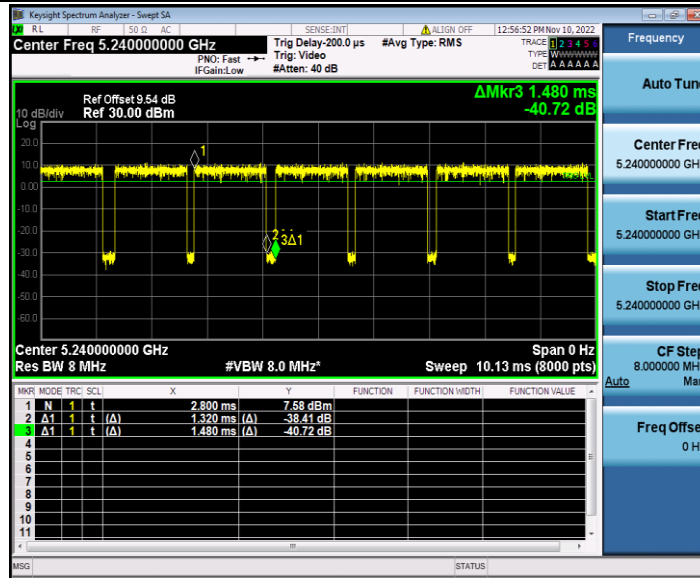
11N20SISO_Ant1_5180



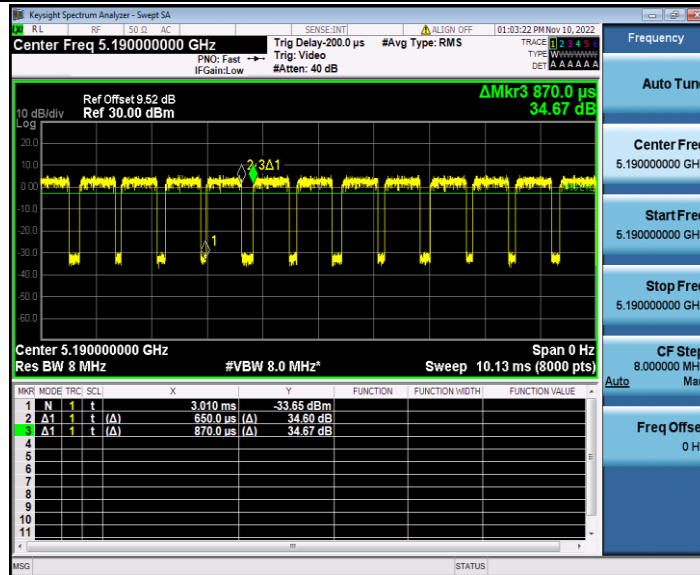
11N20SISO_Ant1_5200



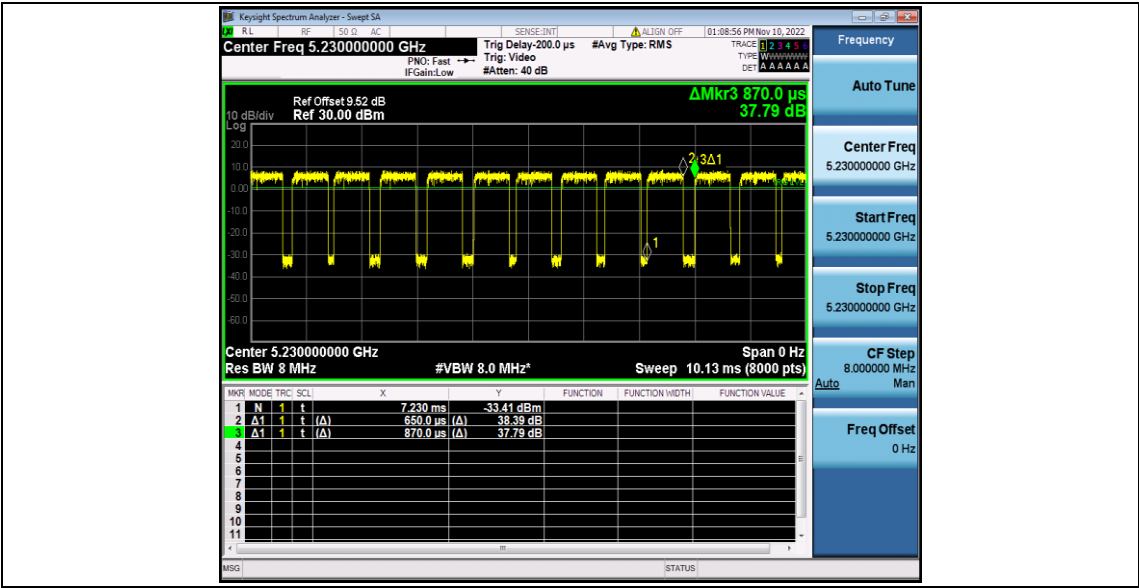
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



Appendix A.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	5180	11.93	85.89	0.66	12.59	≤23.98	PASS
		5200	11.86	85.98	0.66	12.52	≤23.98	PASS
		5240	11.26	87.04	0.60	11.86	≤23.98	PASS
11N20SISO	Ant1	5180	11.02	85.89	0.66	11.68	≤23.98	PASS
		5200	9.99	85.06	0.70	10.69	≤23.98	PASS
		5240	9.42	89.19	0.50	9.92	≤23.98	PASS
11N40SISO	Ant1	5190	8.72	74.71	1.27	9.99	≤23.98	PASS
		5230	9.88	74.71	1.27	11.15	≤23.98	PASS

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

Appendix A.5: Maximum power spectral density

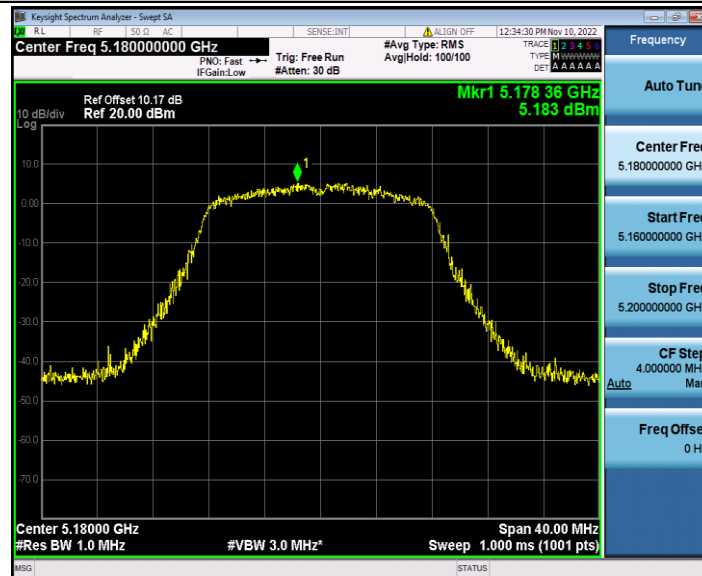
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.18	≤11.00	PASS
		5200	5.14	≤11.00	PASS
		5240	6.58	≤11.00	PASS
11N20SISO	Ant1	5180	7.55	≤11.00	PASS
		5200	6.64	≤11.00	PASS
		5240	5.62	≤11.00	PASS
11N40SISO	Ant1	5190	1.40	≤11.00	PASS
		5230	4.52	≤11.00	PASS

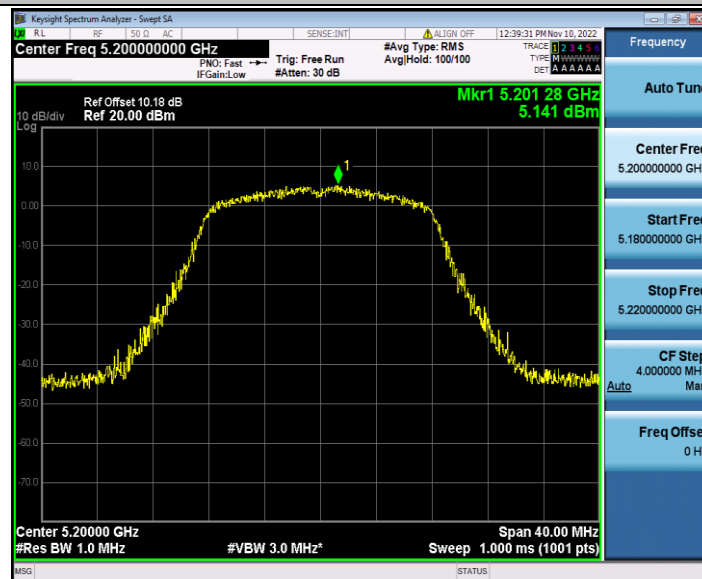
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5180



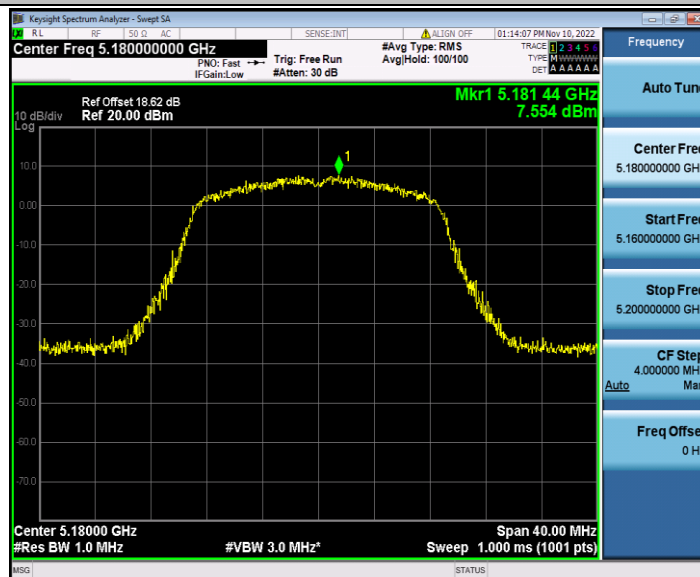
11A_Ant1_5200



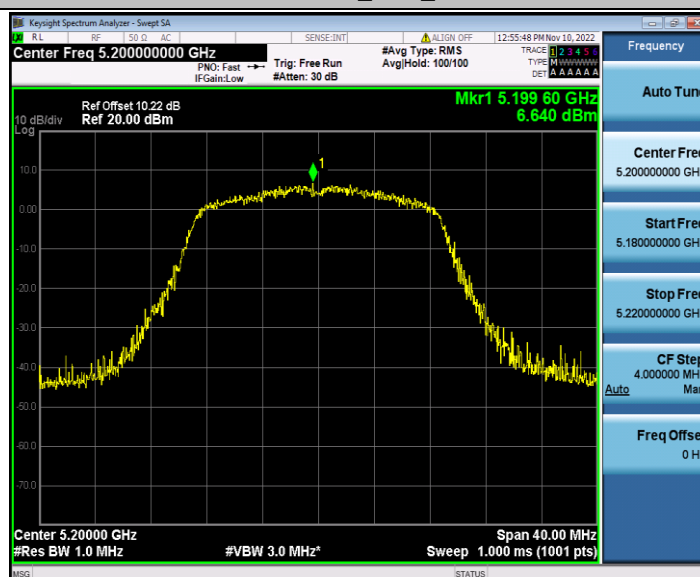
11A_Ant1_5240



11N20SISO_Ant1_5180



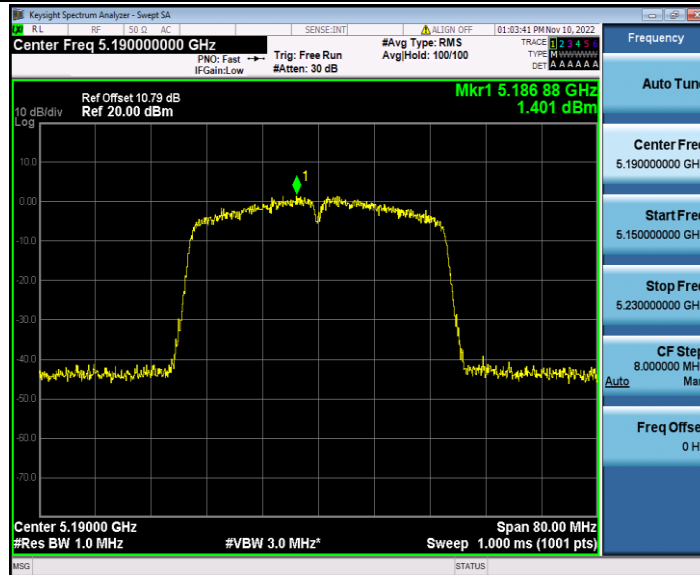
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



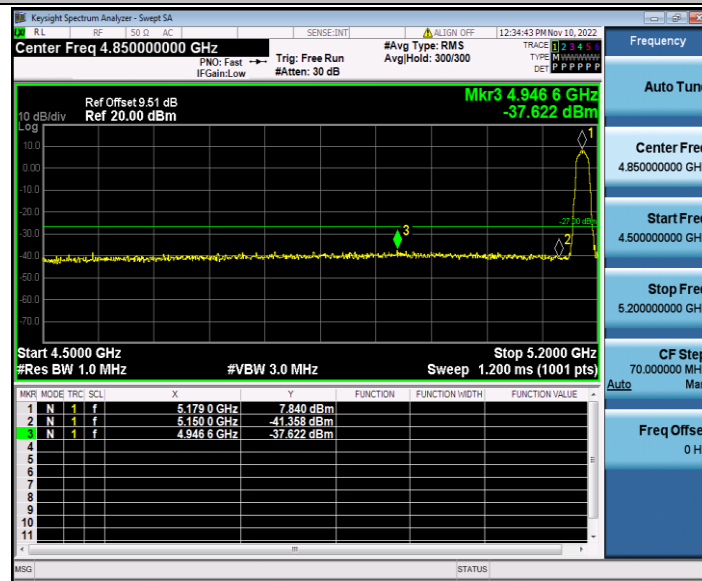
Appendix A.6: Band edge measurements

Test Result B1

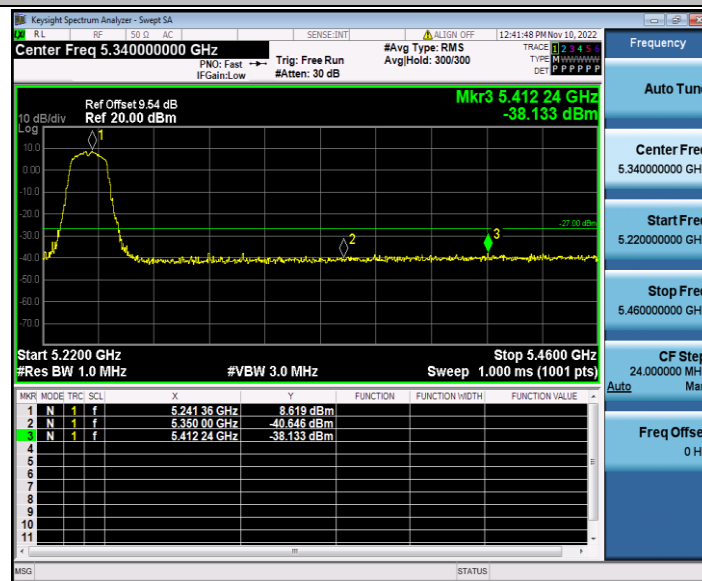
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.62	≤-27	PASS
		High	5240	-38.13	≤-27	PASS
11N20SISO	Ant1	Low	5180	-37.93	≤-27	PASS
		High	5240	-37.48	≤-27	PASS
11N40SISO	Ant1	Low	5190	-37.14	≤-27	PASS
		High	5230	-38.02	≤-27	PASS

Test Graphs B1

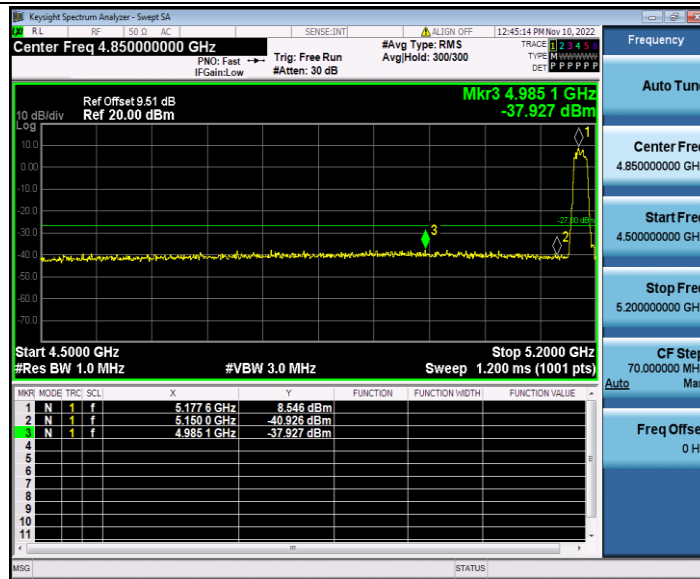
11A_Ant1_Low_5180



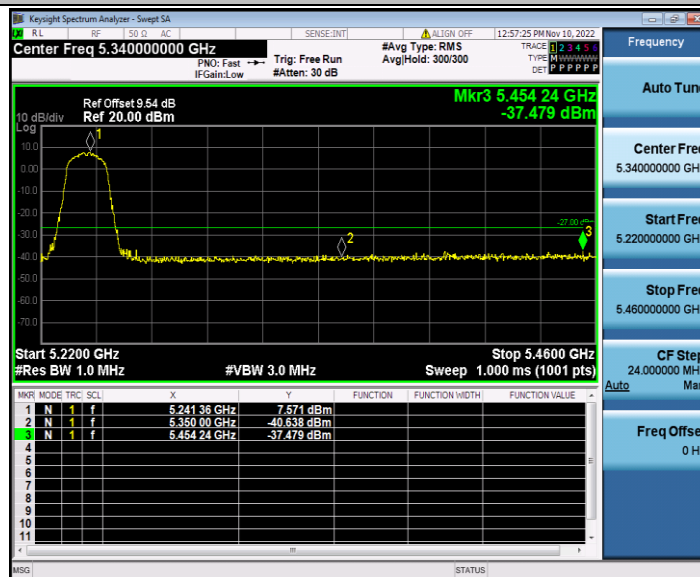
11A_Ant1_High_5240



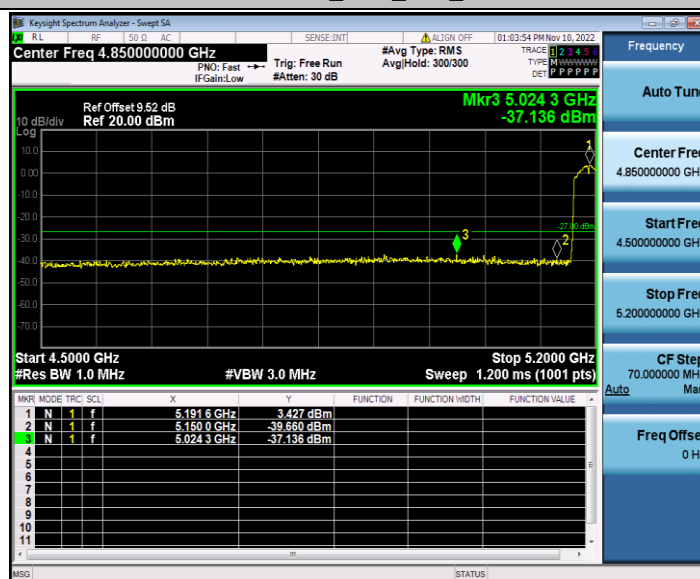
11N20SISO_Ant1_Low_5180



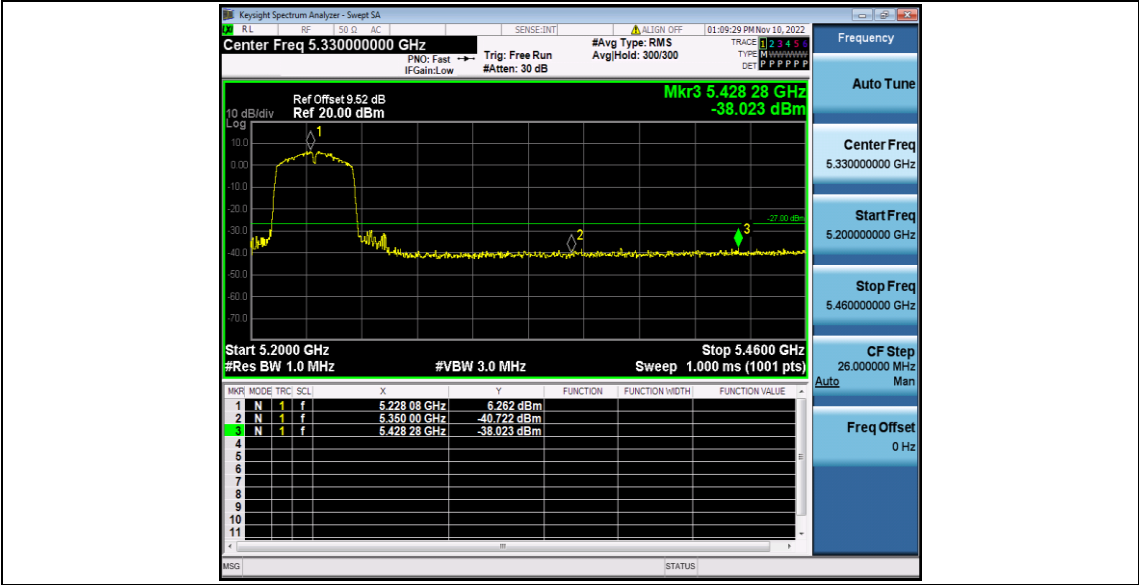
11N20SISO_Ant1_High_5240



11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



Appendix A.7: Conducted Spurious Emission

Test Result

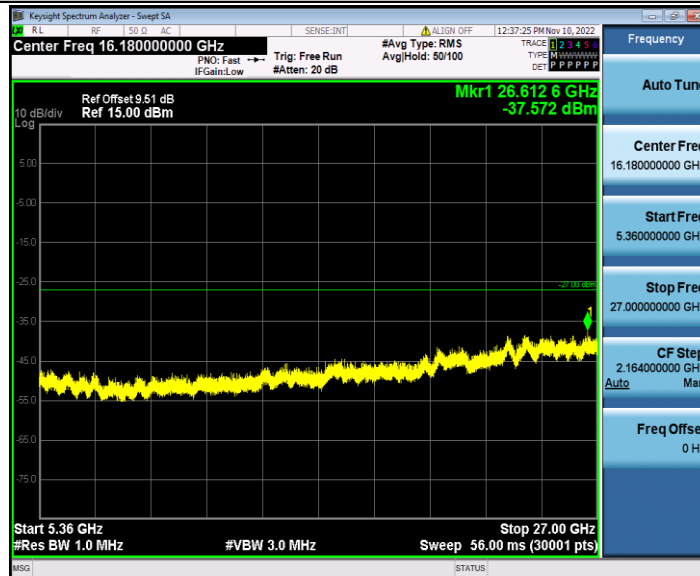
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	4985.85	-46.47	≤-27	PASS
			5360~40000	26612.64	-37.57	≤-27	PASS
		5200	30~5140	5003.05	-46.19	≤-27	PASS
			5360~40000	24801.38	-37.46	≤-27	PASS
		5240	30~5140	4911.07	-46.82	≤-27	PASS
			5360~40000	25501.79	-38.16	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	4963.88	-46.89	≤-27	PASS
			5360~40000	23532.55	-38.26	≤-27	PASS
		5200	30~5140	5128.59	-46.98	≤-27	PASS
			5360~40000	25133.91	-37.48	≤-27	PASS
		5240	30~5140	4941.9	-46.31	≤-27	PASS
			5360~40000	26882.42	-37.49	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	4935.94	-47.79	≤-27	PASS
			5360~40000	26839.86	-37.58	≤-27	PASS
		5230	30~5140	3657.76	-46.39	≤-27	PASS
			5360~40000	26819.67	-38.01	≤-27	PASS

Test Graphs

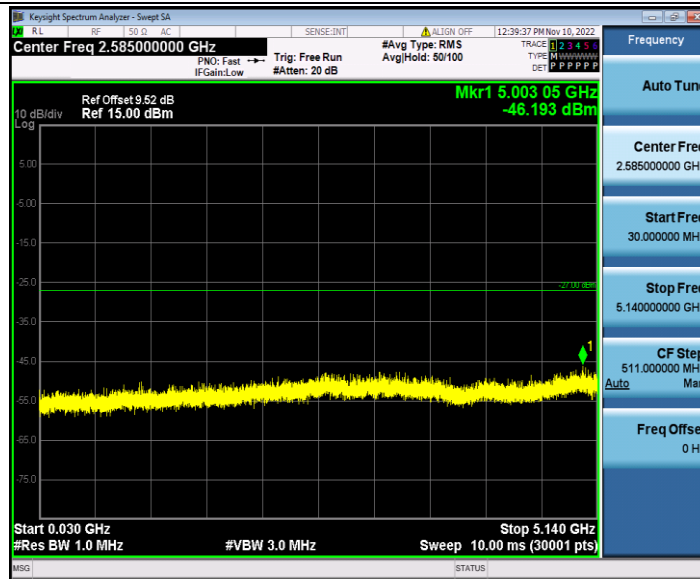
11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



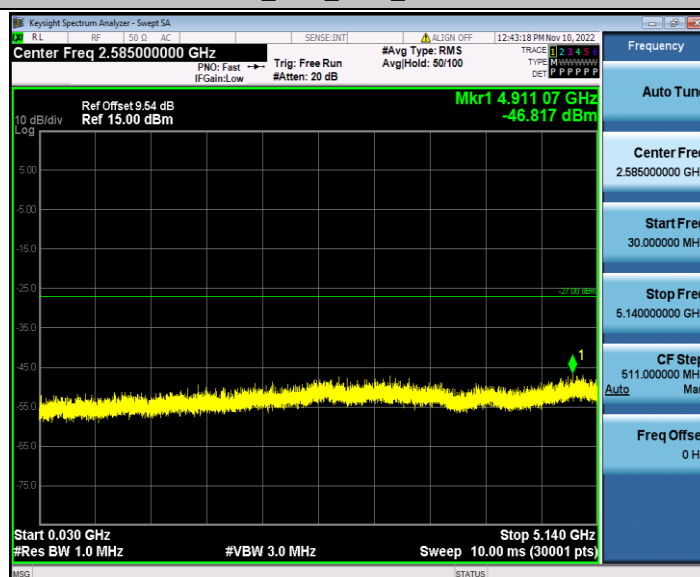
11A_Ant1_5200_30~5140



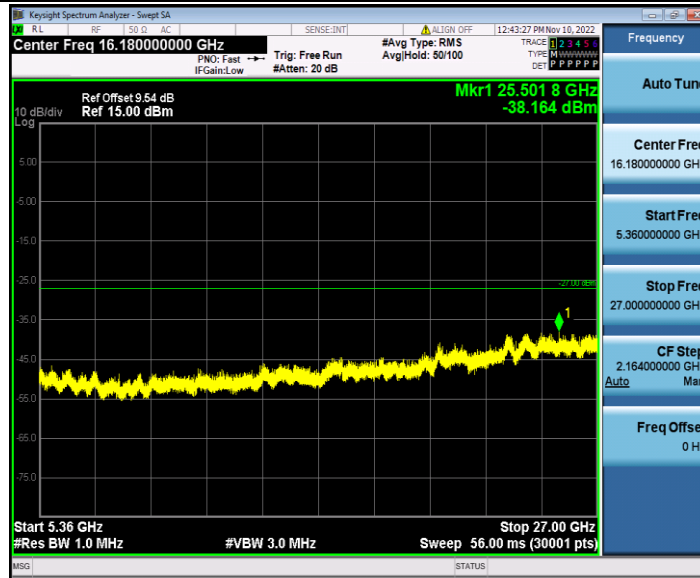
11A_Ant1_5200_5360~40000



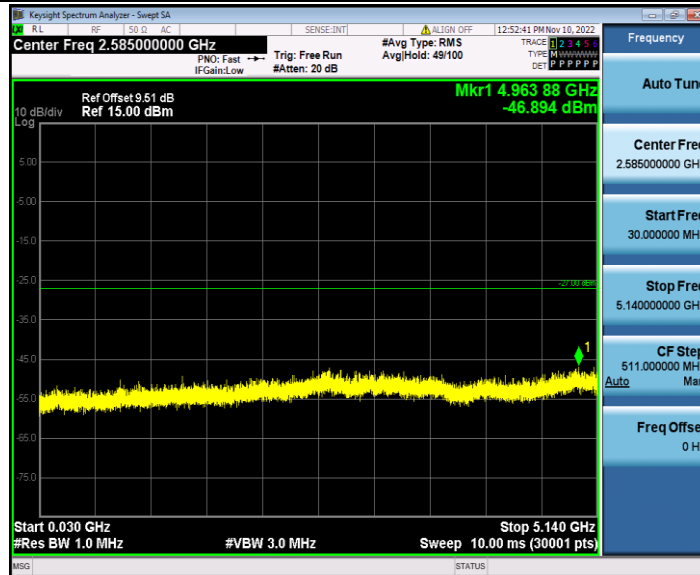
11A_Ant1_5240_30~5140



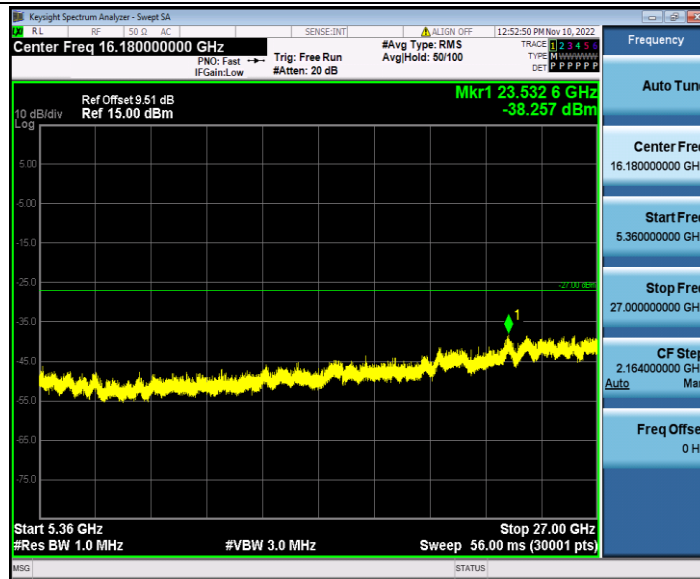
11A_Ant1_5240_5360~40000



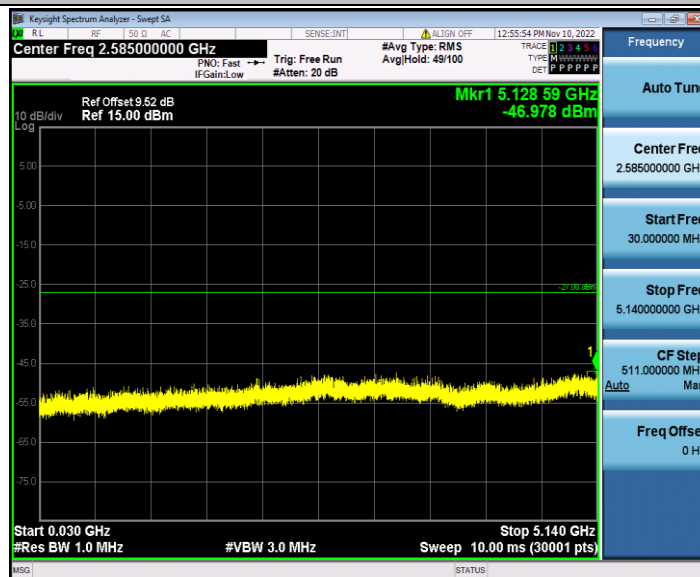
11N20SISO_Ant1_5180_30~5140



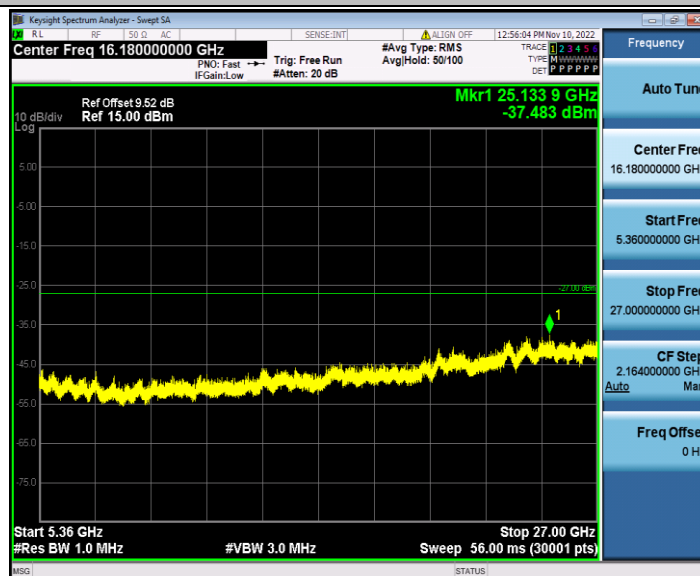
11N20SISO_Ant1_5180_5360~40000



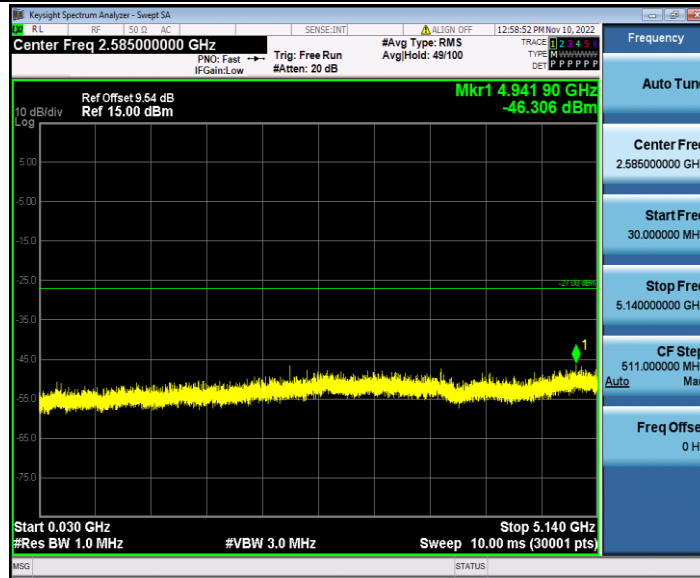
11N20SISO_Ant1_5200_30~5140



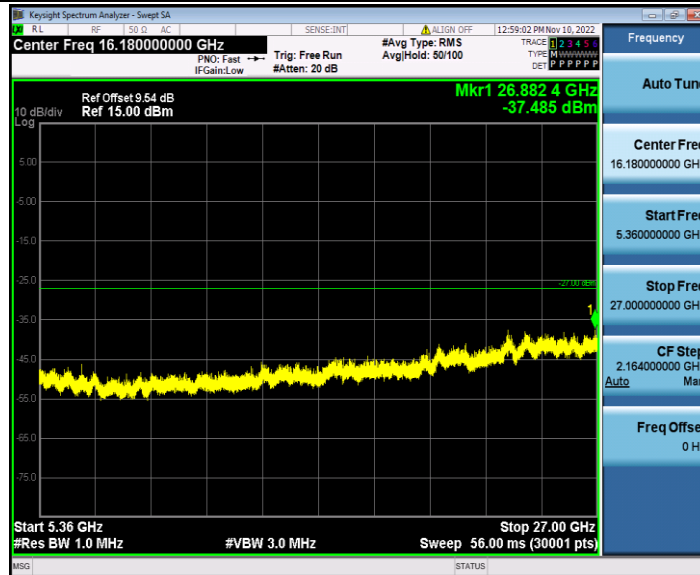
11N20SISO_Ant1_5200_5360~40000



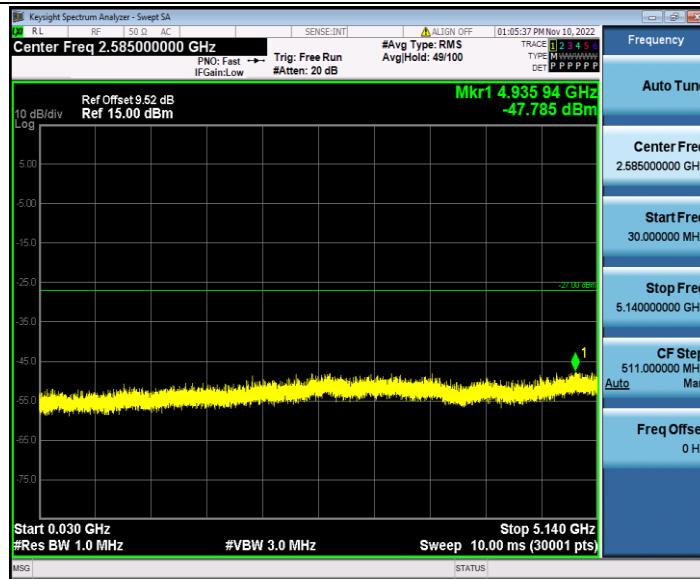
11N20SISO_Ant1_5240_30~5140



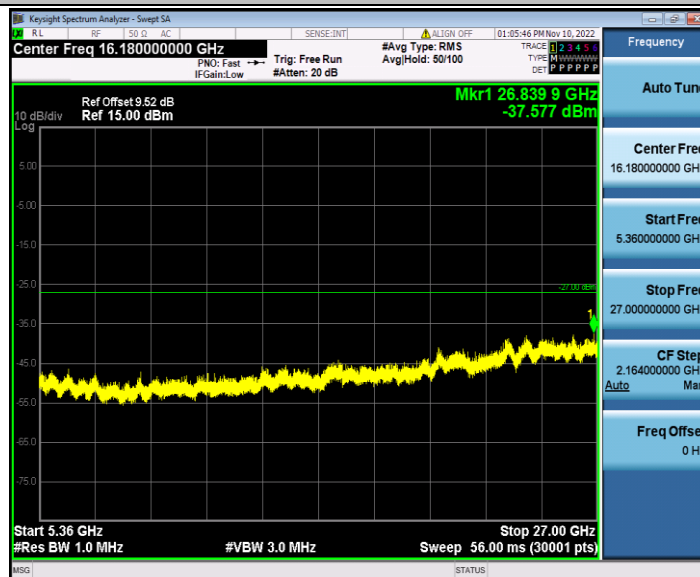
11N20SISO_Ant1_5240_5360~40000



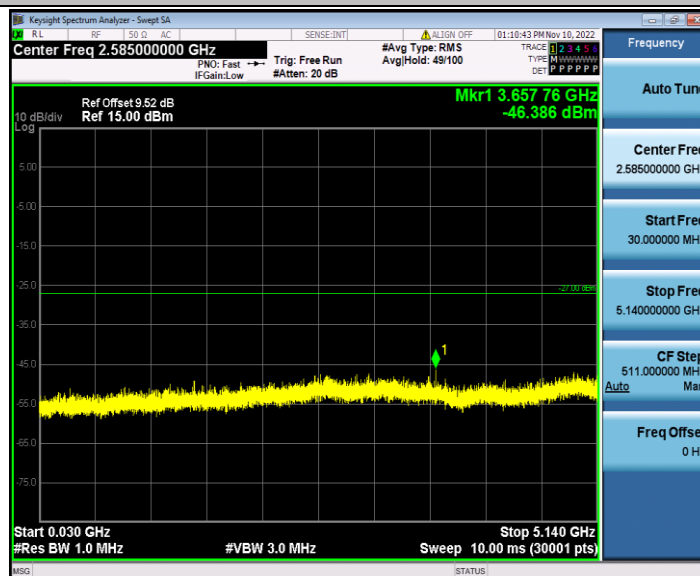
11N40SISO_Ant1_5190_30~5140



11N40SISO_Ant1_5190_5360~40000



11N40SISO_Ant1_5230_30~5140



11N40SISO_Ant1_5230_5360~40000

