

Case No. : <u>GTS20230330014-1-11</u>	
Ambient Condition: <u>22</u> °C, <u>46</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.4.14</u>	Test Engineer: <u>Jenny zeng</u>

Appendix D.1: Emission Bandwidth

Test Result

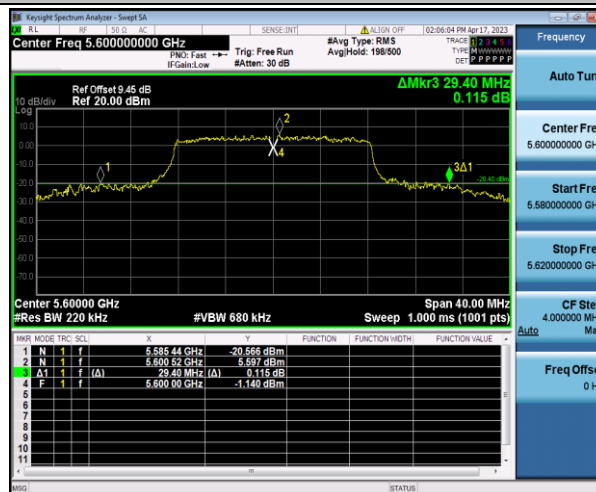
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	24.760	5490.160	5514.920	---	---
		5600	29.400	5585.440	5614.840	---	---
		5700	19.800	5690.000	5709.800	---	---
11N20SISO	Ant1	5500	20.640	5489.800	5510.440	---	---
		5600	20.520	5589.840	5610.360	---	---
		5700	20.600	5689.680	5710.280	---	---

Test Graphs

11A_Ant1_5500



11A_Ant1_5600



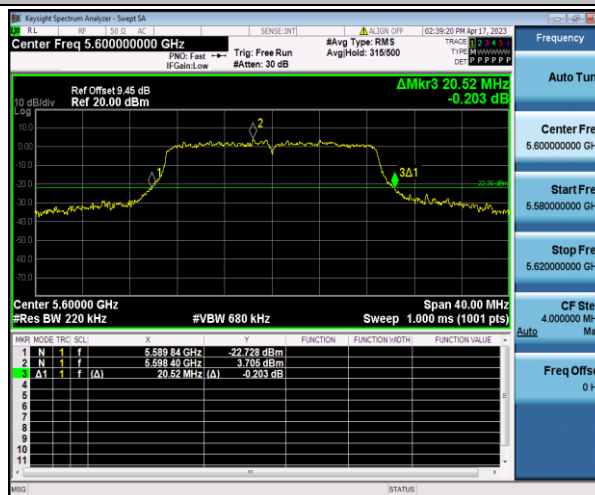
11A_Ant1_5700



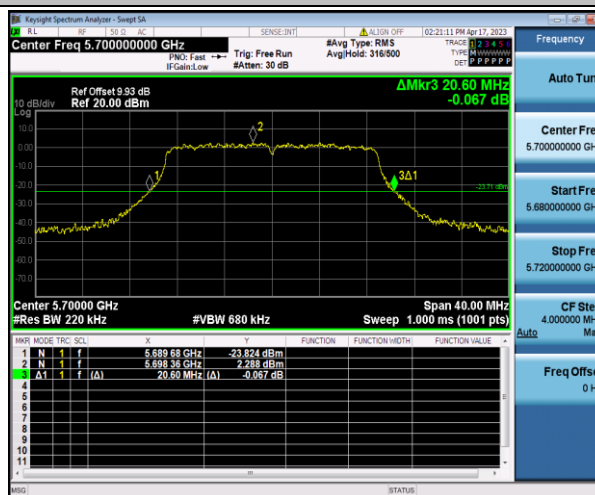
11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



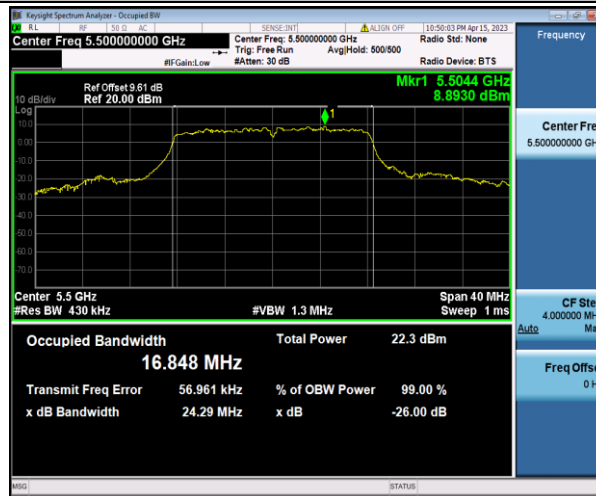
Appendix D.2: Occupied channel bandwidth

Test Result

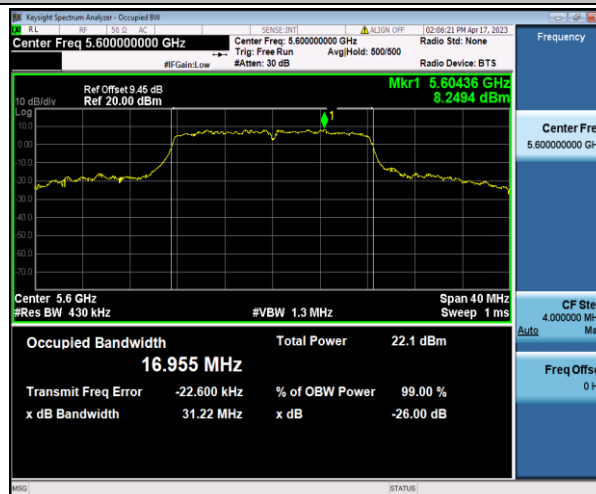
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	16.848	5491.633	5508.481	---	---
		5600	16.955	5591.500	5608.455	---	---
		5700	16.749	5691.615	5708.364	---	---
11N20SISO	Ant1	5500	17.843	5491.068	5508.911	---	---
		5600	17.848	5591.082	5608.930	---	---
		5700	17.831	5691.070	5708.901	---	---

Test Graphs

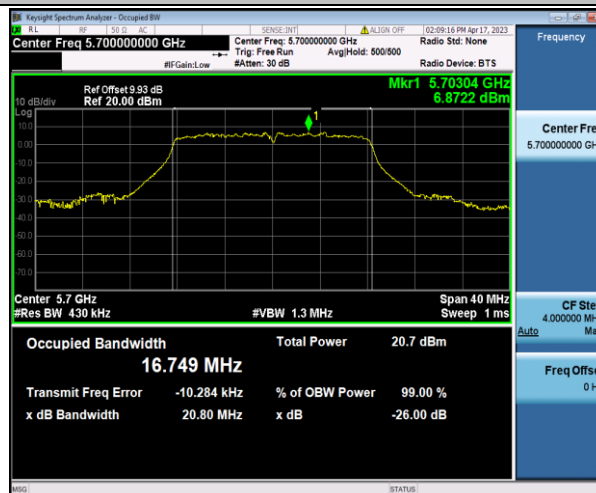
11A_Ant1_5500



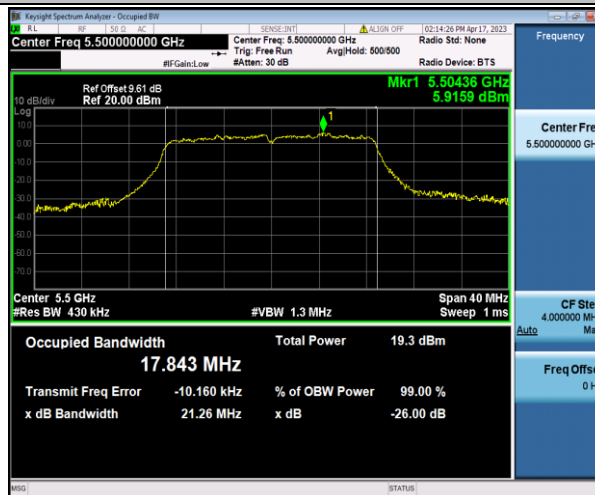
11A_Ant1_5600



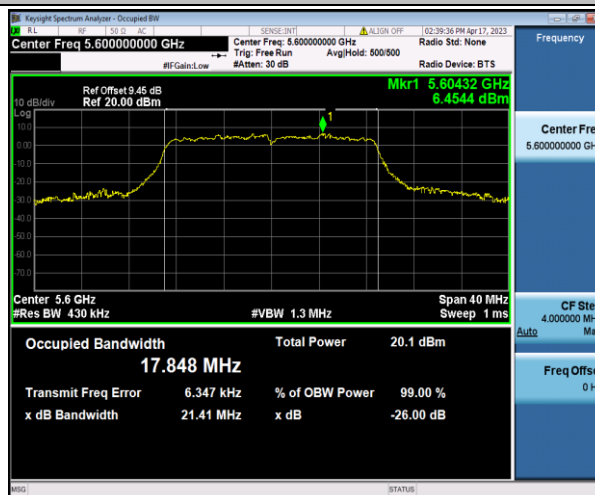
11A_Ant1_5700



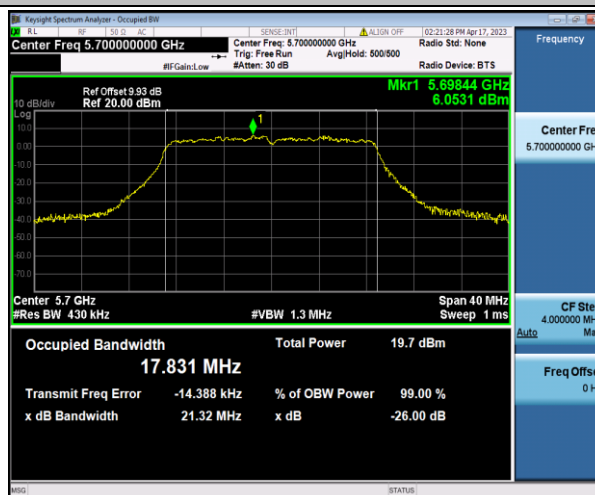
11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



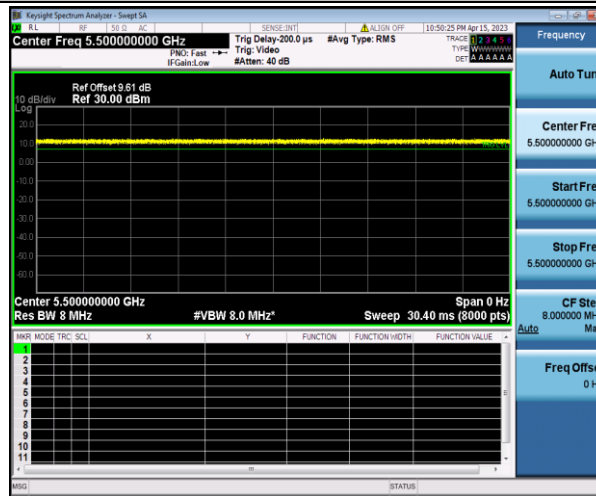
Appendix D.3: Duty Cycle

Test Result

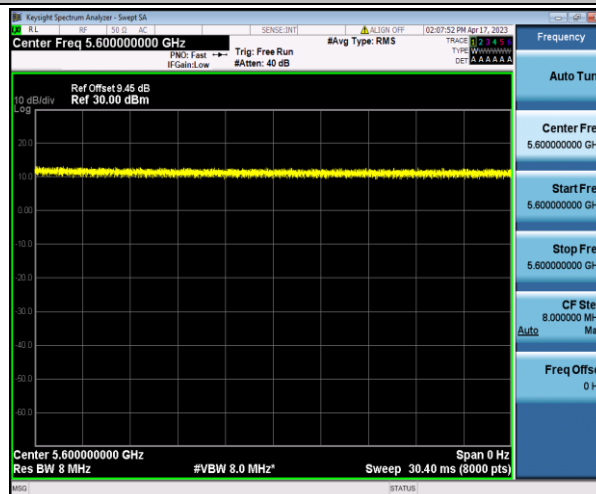
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5500	30.00	30.00	100.00
		5600	30.00	30.00	100
		5700	30.00	30.00	100.00
11N20SISO	Ant1	5500	30.00	30.00	100.00
		5600	30.00	30.00	100.00
		5700	30.00	30.00	100.00

Test Graphs

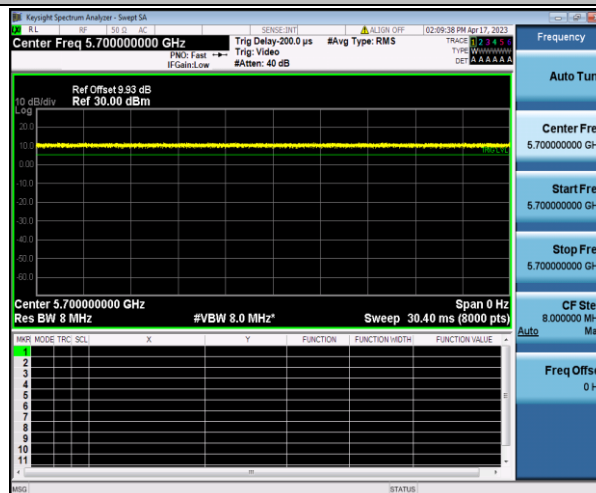
11A_Ant1_5500



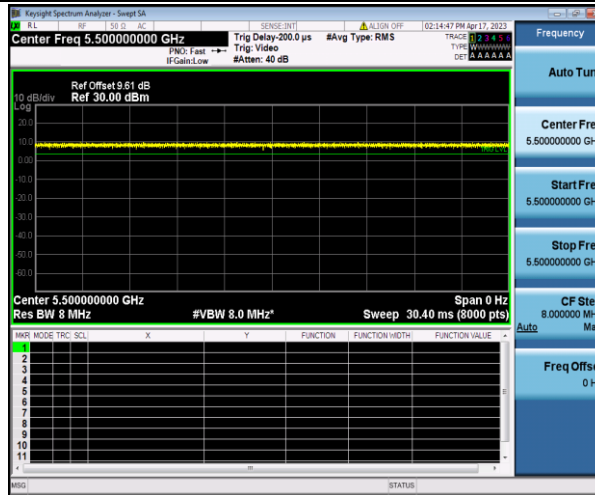
11A_Ant1_5600



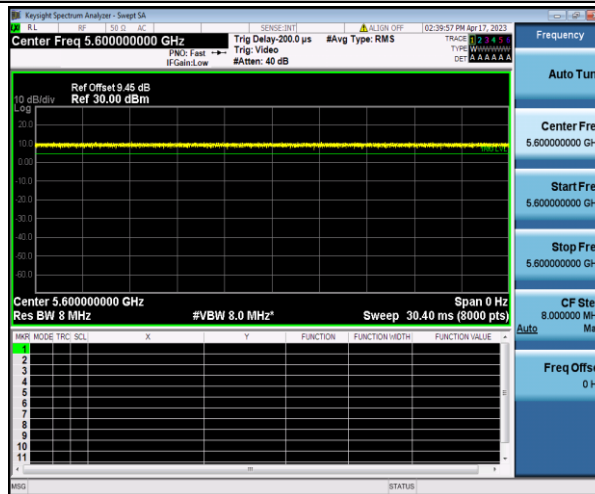
11A_Ant1_5700



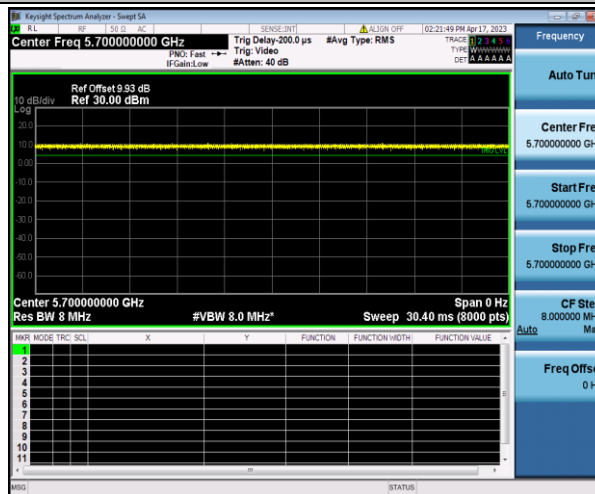
11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



Appendix D.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	5500	16.98	100.00	0.00	16.98	≤23.98	PASS
		5600	17.78	100.00	0.00	17.78	≤23.98	PASS
		5700	17.76	100.00	0.00	17.76	≤23.97	PASS
11N20SISO	Ant1	5500	17.12	100.00	0.00	17.12	≤23.98	PASS
		5600	17.37	100.00	0.00	17.37	≤23.98	PASS
		5700	17.35	100.00	0.00	17.35	≤23.98	PASS

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

Appendix D.5: Maximum power spectral density

Test Result

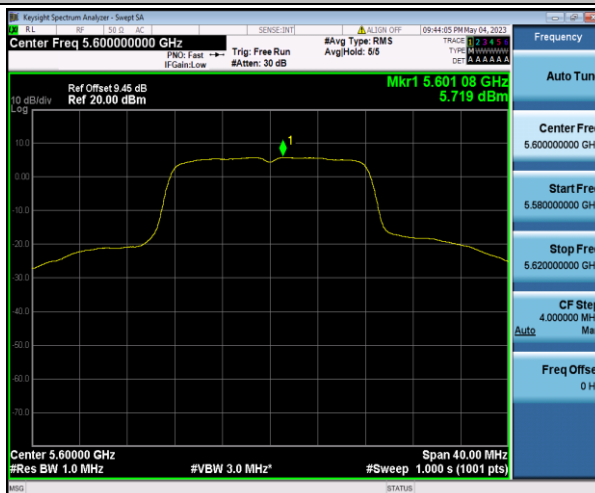
TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	5.07	≤ 11.00	PASS
		5600	5.72	≤ 11.00	PASS
		5700	5.84	≤ 11.00	PASS
11N20SISO	Ant1	5500	4.48	≤ 11.00	PASS
		5600	4.86	≤ 11.00	PASS
		5700	4.99	≤ 11.00	PASS

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.

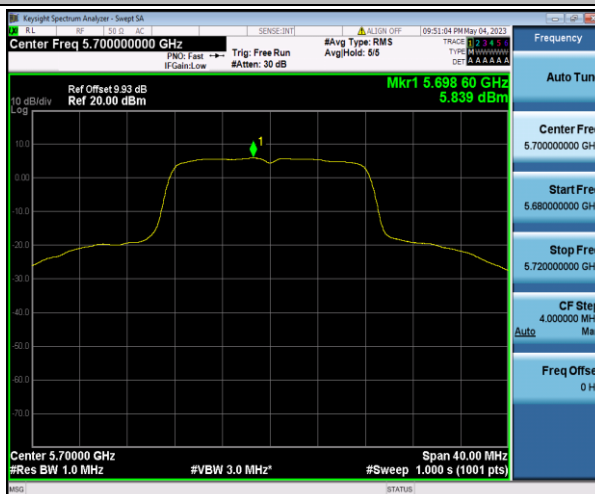
Test Graphs



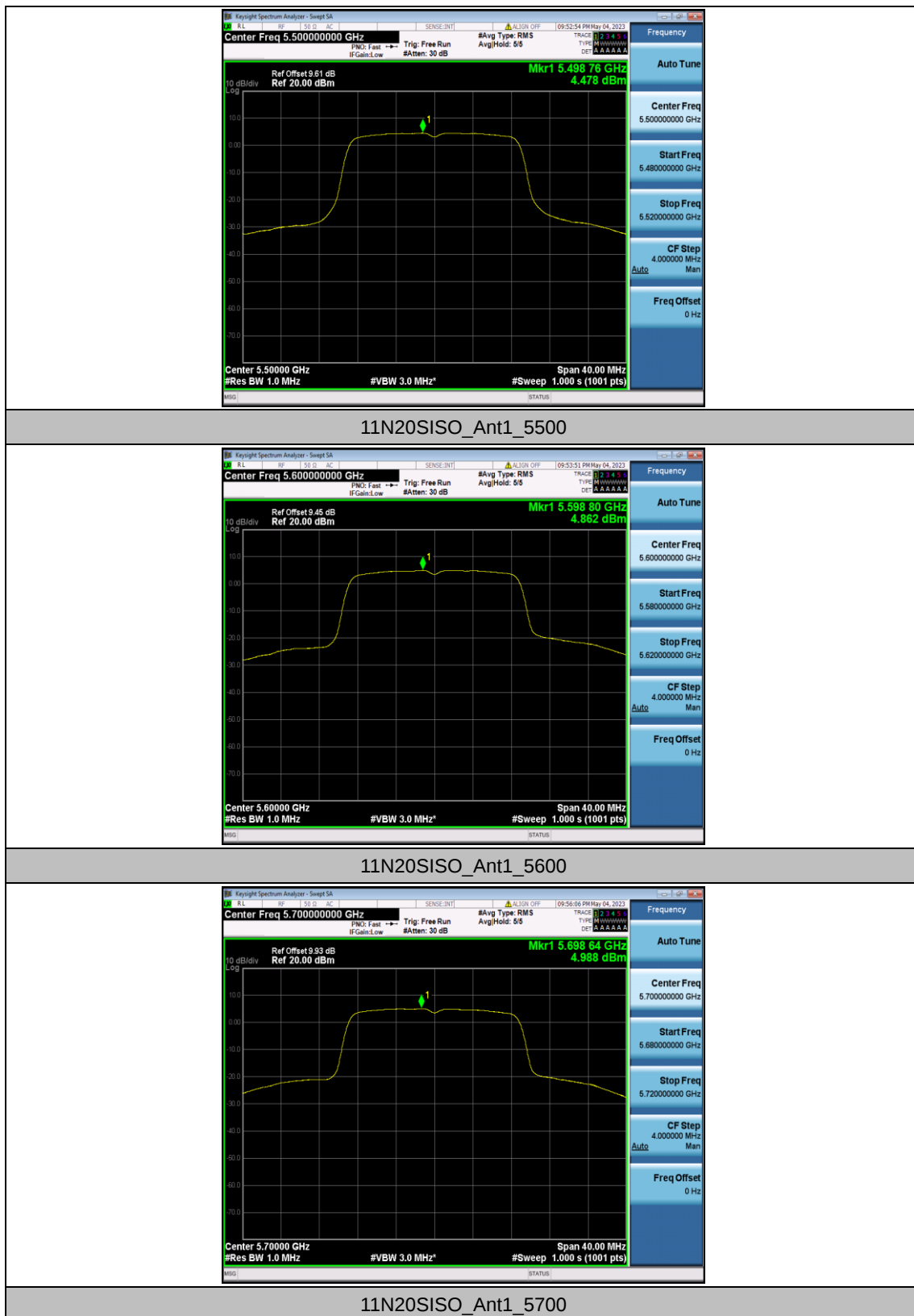
11A_Ant1_5500



11A_Ant1_5600



11A_Ant1_5700



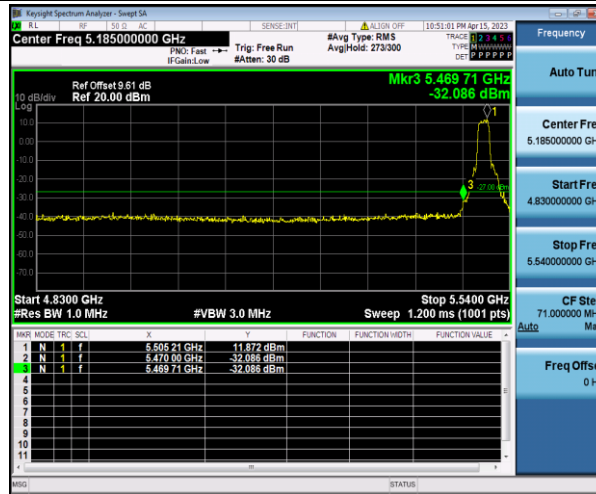
Appendix D.6: Band edge measurements

Test Result B3

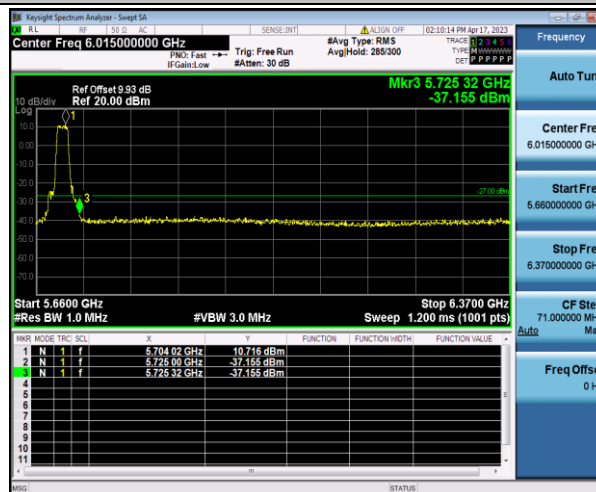
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-32.09	≤ -27	PASS
		High	5700	-37.16	≤ -27	PASS
11N20SISO	Ant1	Low	5500	-38.66	≤ -27	PASS
		High	5700	-37.58	≤ -27	PASS

Test Graphs B3

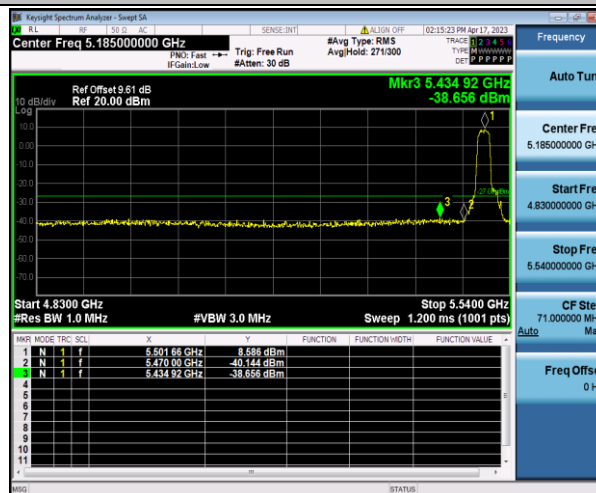
11A_Ant1_Low_5500

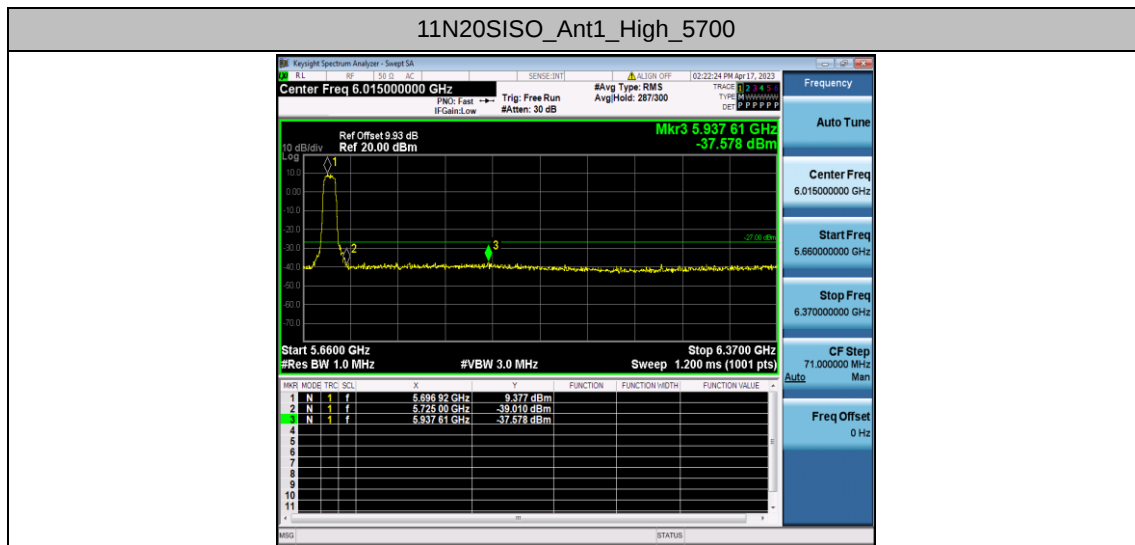


11A_Ant1_High_5700



11N20SISO_Ant1_Low_5500





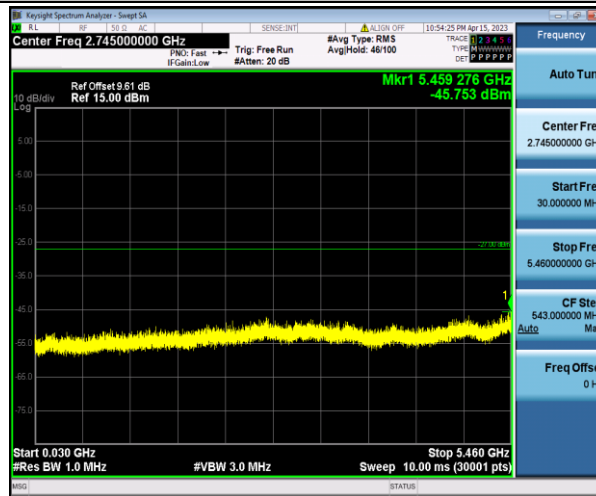
Appendix D.7: Conducted Spurious Emission

Test Result

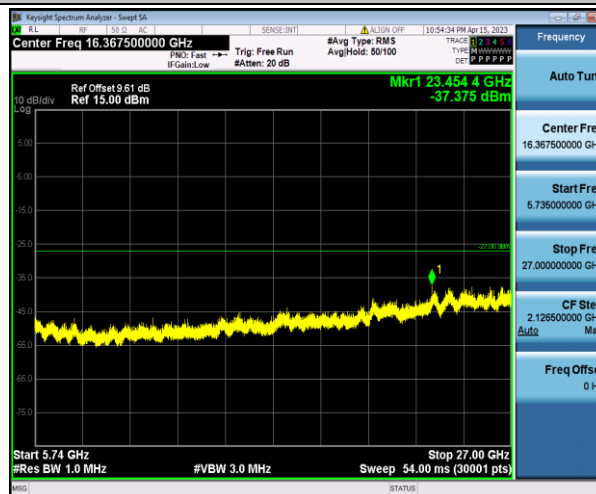
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5459.28	-45.75	≤-27	PASS
			5735~40000	23454.42	-37.38	≤-27	PASS
		5600	30~5460	5434.48	-45.55	≤-27	PASS
			5735~40000	26062.92	-37.92	≤-27	PASS
		5700	30~5460	5456.74	-45.86	≤-27	PASS
			5735~40000	24156.16	-37.58	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5413.12	-45.86	≤-27	PASS
			5735~40000	26556.98	-38.71	≤-27	PASS
		5600	30~5460	5446.24	-45.1	≤-27	PASS
			5735~40000	24243.35	-38.15	≤-27	PASS
		5700	30~5460	5399.73	-46.75	≤-27	PASS
			5735~40000	26985.11	-37.62	≤-27	PASS

Test Graphs

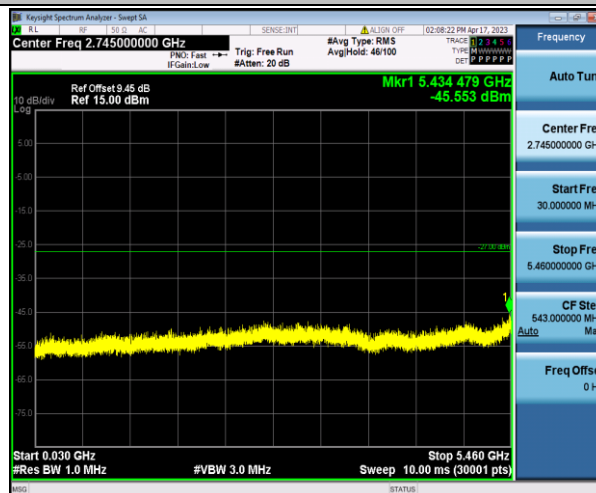
11A_Ant1_5500_30-5460



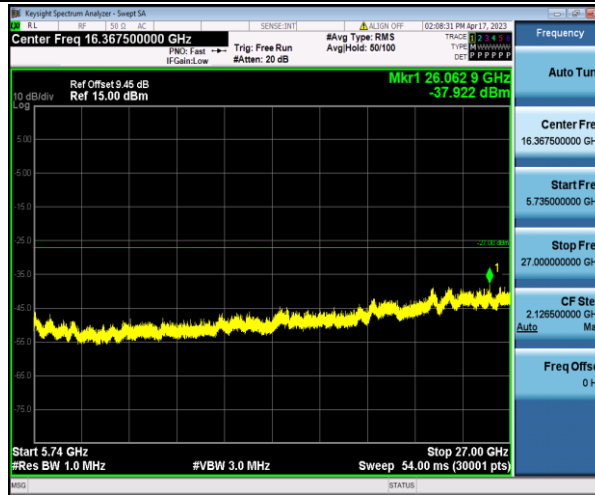
11A_Ant1_5500_5735-40000



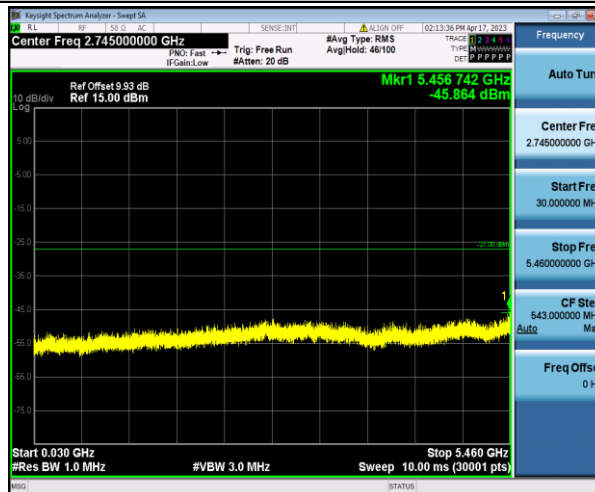
11A_Ant1_5600_30-5460



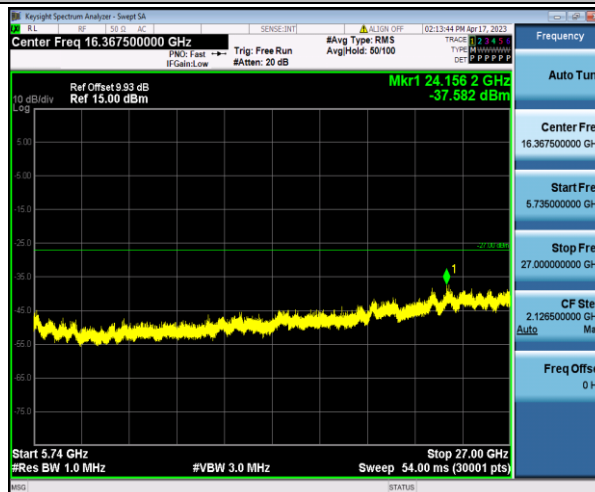
11A_Ant1_5600_5735~40000



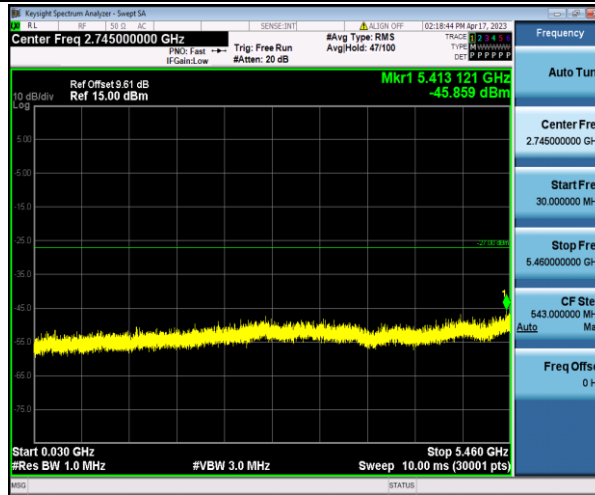
11A_Ant1_5700_30~5460



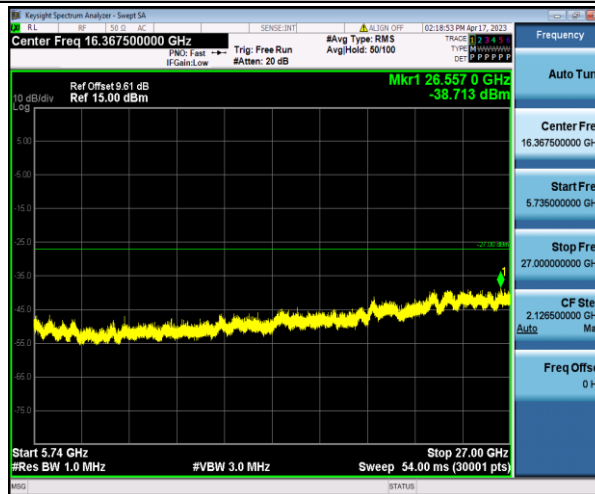
11A_Ant1_5700_5735~40000



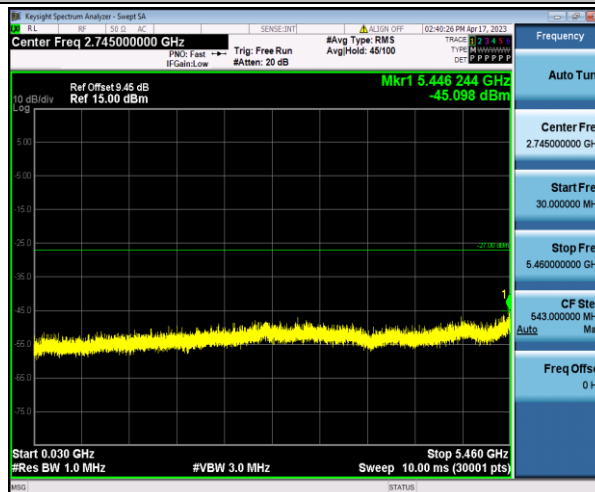
11N20SISO_Ant1_5500_30~5460



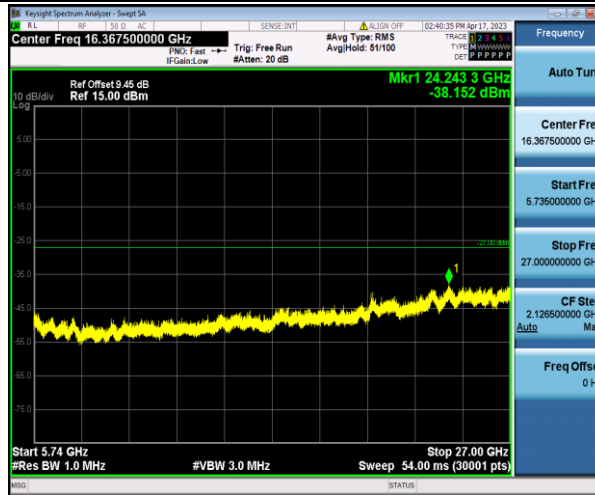
11N20SISO_Ant1_5500_5735~40000



11N20SISO_Ant1_5600_30~5460



11N20SISO_Ant1_5600_5735~40000



11N20SISO_Ant1_5700_30~5460



11N20SISO_Ant1_5700_5735~40000

