

Case No. : <u>GTS20211218008-1-35</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa	
Test Date: <u>2022.8.3</u>	Test Engineer: <u>Jenny zeng</u>

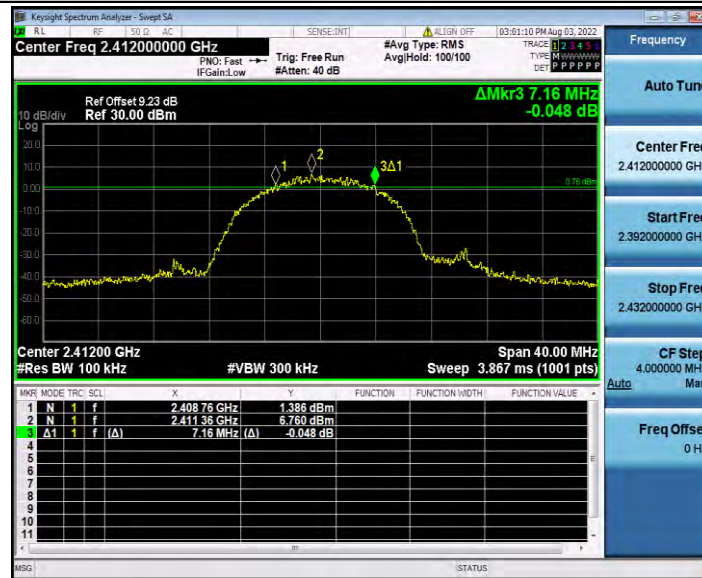
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.160	2408.760	2415.920	0.5	PASS
		2437	7.880	2433.160	2441.040	0.5	PASS
		2462	8.200	2458.080	2466.280	0.5	PASS
11G	Ant1	2412	16.280	2403.880	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	0.5	PASS
		2437	17.720	2428.160	2445.880	0.5	PASS
		2462	17.640	2453.160	2470.800	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



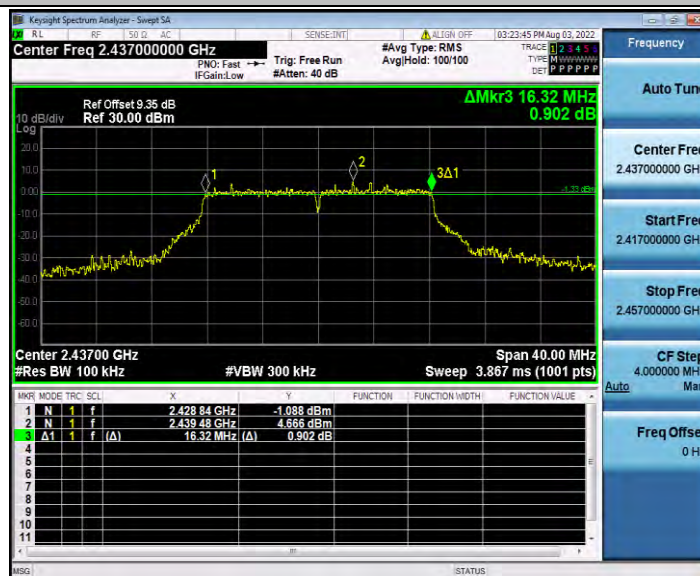
11B_Ant1_2462



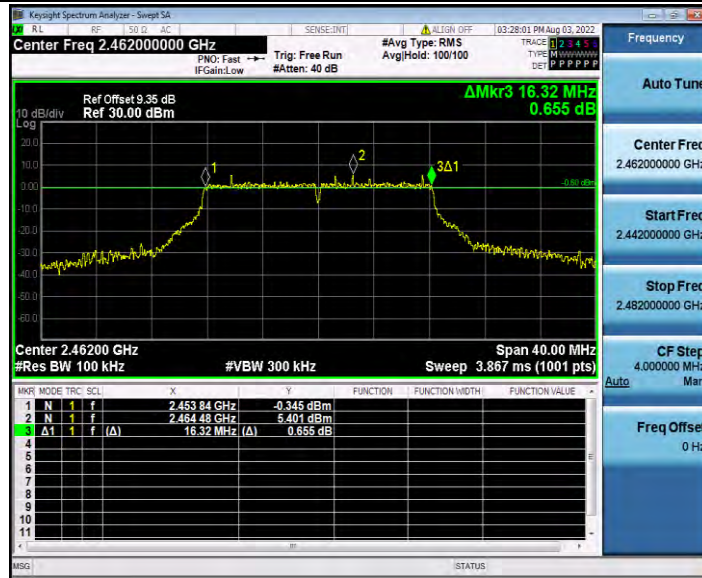
11G_Ant1_2412



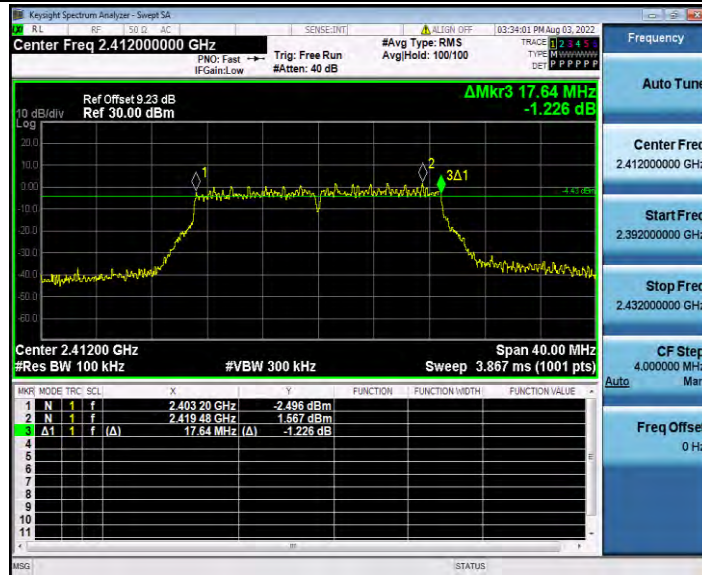
11G_Ant1_2437



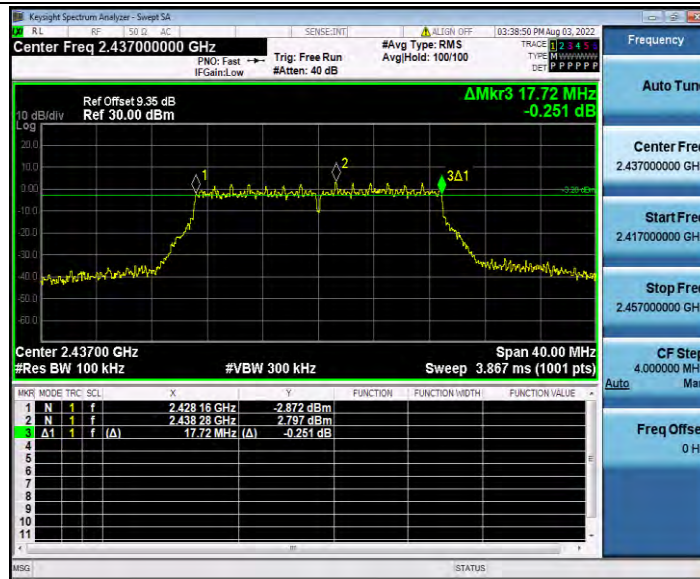
11G_Ant1_2462



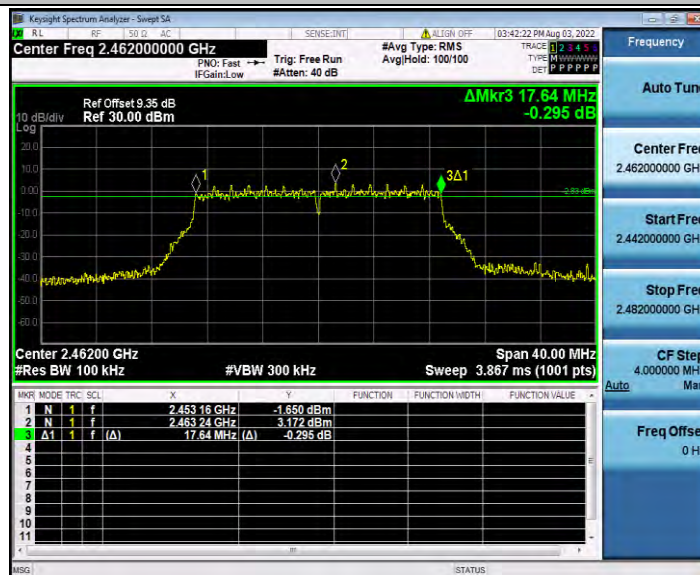
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



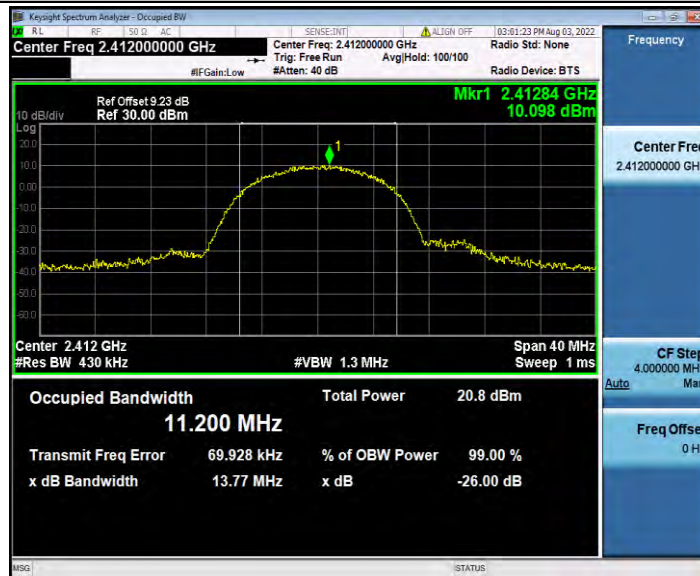
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.200	2406.470	2417.670	---	---
		2437	11.304	2431.391	2442.695	---	---
		2462	11.298	2456.351	2467.649	---	---
11G	Ant1	2412	17.450	2403.385	2420.835	---	---
		2437	17.490	2428.333	2445.823	---	---
		2462	17.458	2453.252	2470.710	---	---
11N20SISO	Ant1	2412	18.113	2403.029	2421.142	---	---
		2437	18.161	2427.955	2446.116	---	---
		2462	18.189	2452.977	2471.166	---	---

Test Graphs

11B_Ant1_2412



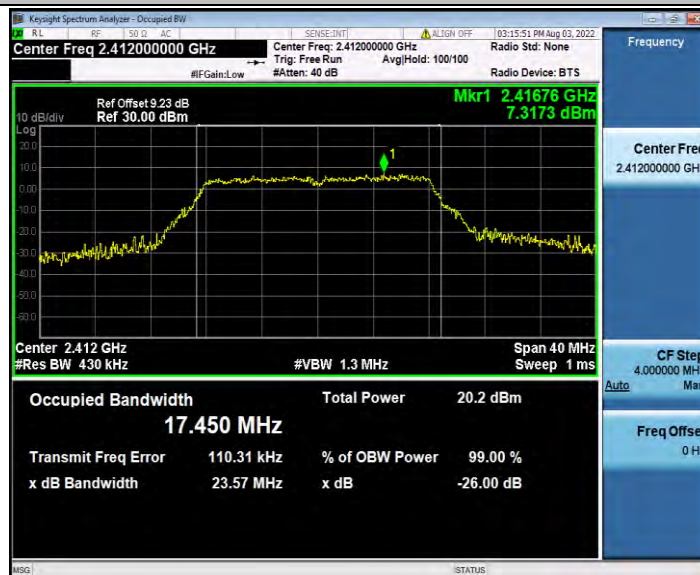
11B_Ant1_2437



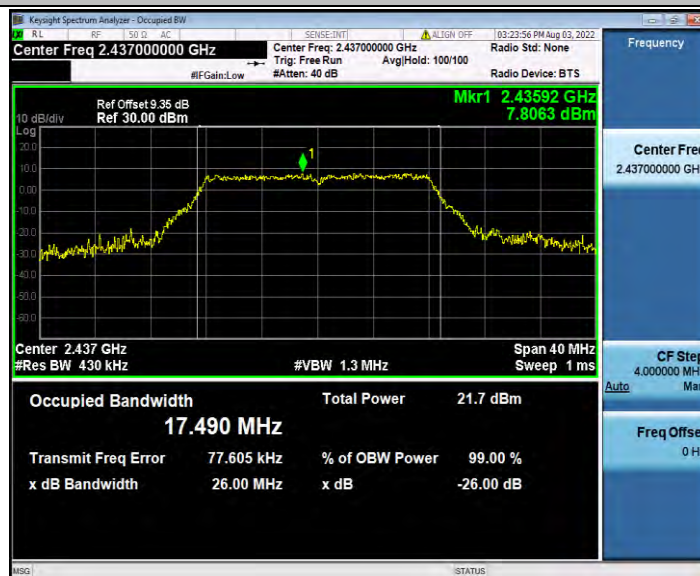
11B_Ant1_2462



11G_Ant1_2412



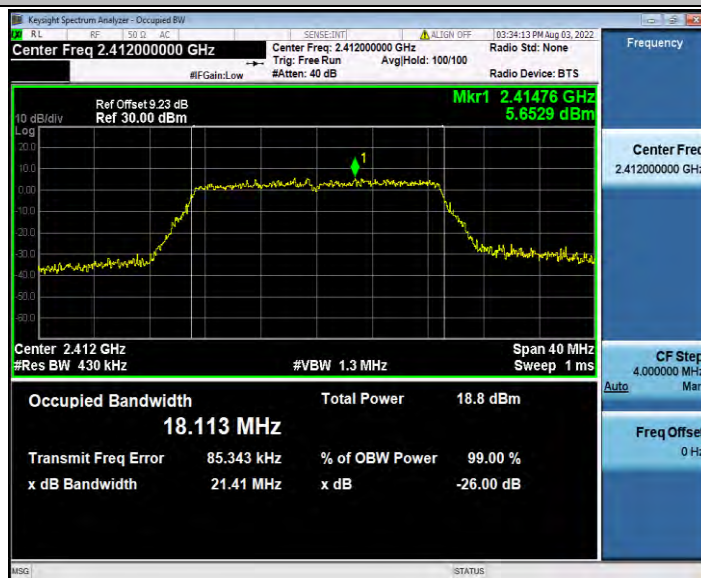
11G_Ant1_2437



11G_Ant1_2462



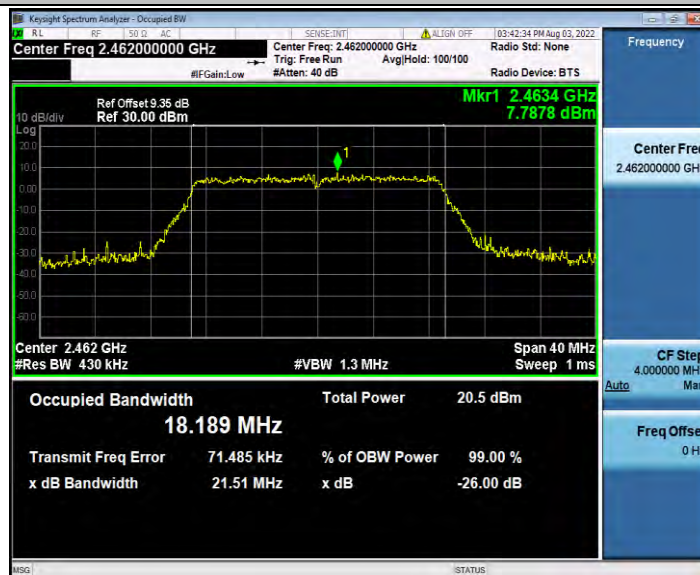
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	20.25	≤30.00	PASS
		2437	21.92	≤30.00	PASS
		2462	22.31	≤30.00	PASS
11G	Ant1	2412	21.44	≤30.00	PASS
		2437	22.87	≤30.00	PASS
		2462	23.52	≤30.00	PASS
11N20SISO	Ant1	2412	19.53	≤30.00	PASS
		2437	20.86	≤30.00	PASS
		2462	21.37	≤30.00	PASS

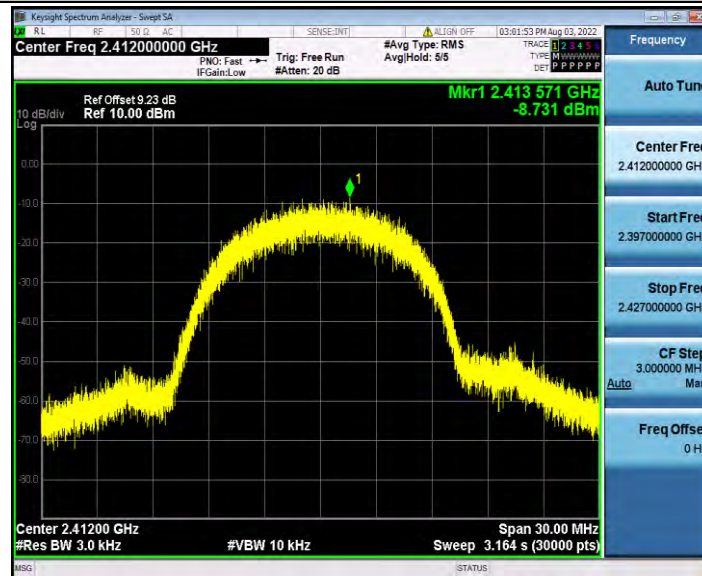
Appendix C.4: Maximum power spectral density

Test Result

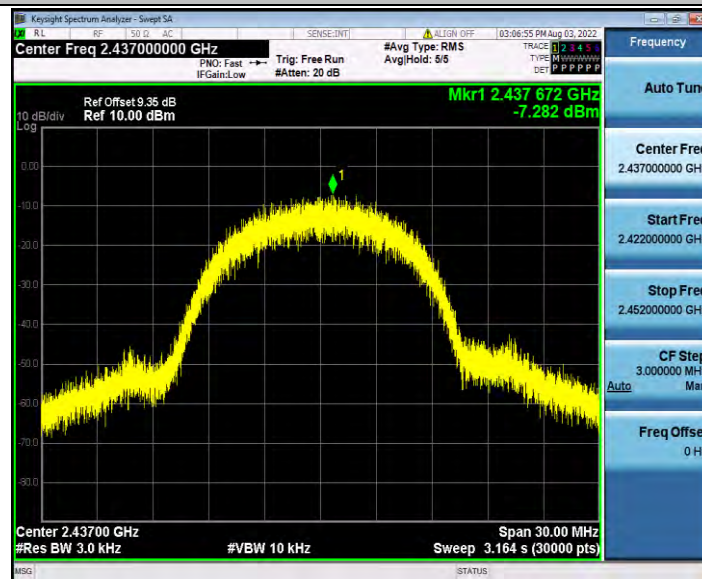
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.73	≤8.00	PASS
		2437	-7.28	≤8.00	PASS
		2462	-5.60	≤8.00	PASS
11G	Ant1	2412	-10.36	≤8.00	PASS
		2437	-8.94	≤8.00	PASS
		2462	-8.46	≤8.00	PASS
11N20SISO	Ant1	2412	-14.59	≤8.00	PASS
		2437	-12.34	≤8.00	PASS
		2462	-12.49	≤8.00	PASS

Test Graphs

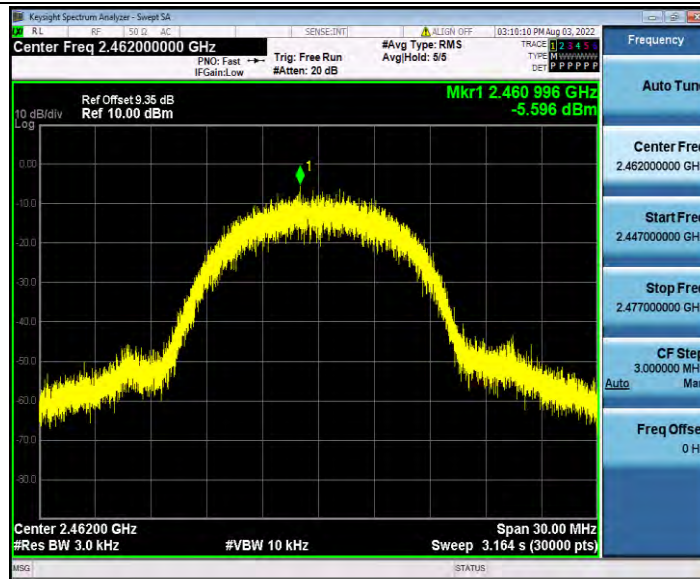
11B_Ant1_2412



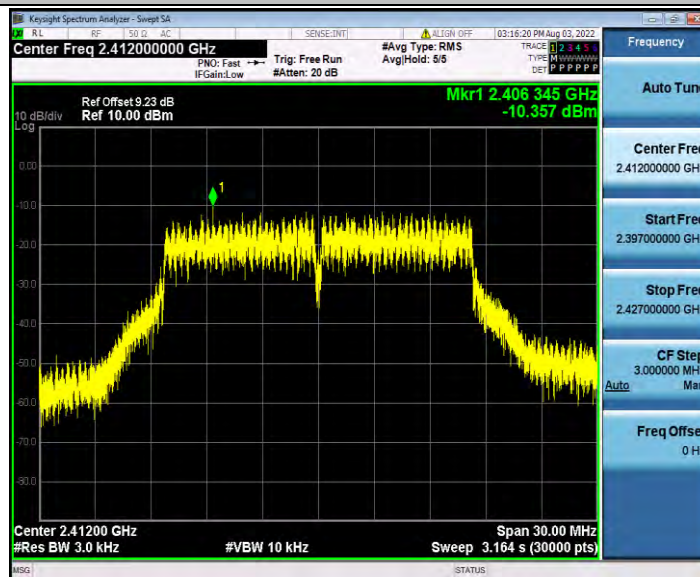
11B_Ant1_2437



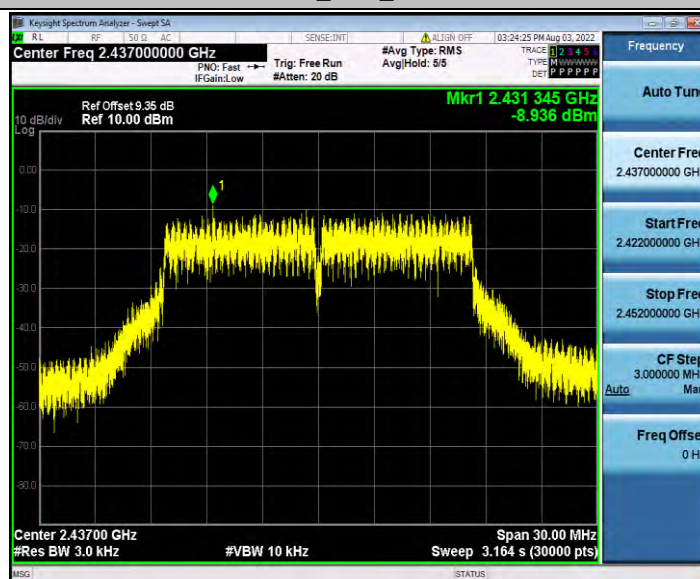
11B_Ant1_2462



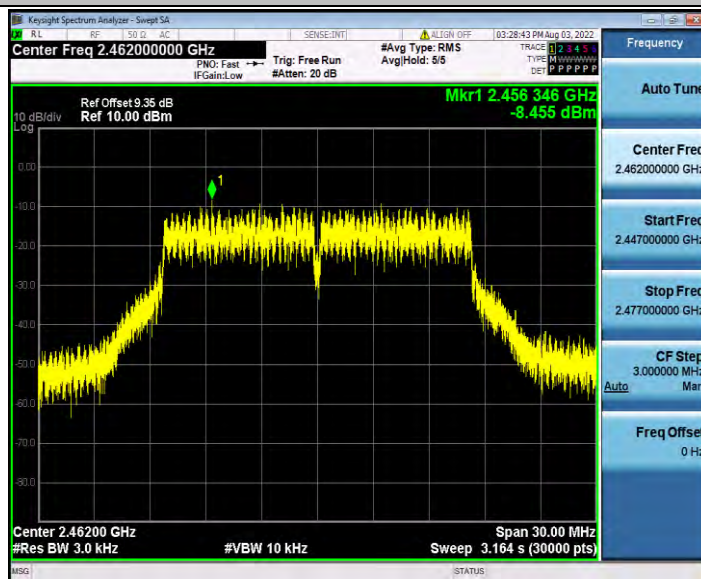
11G_Ant1_2412



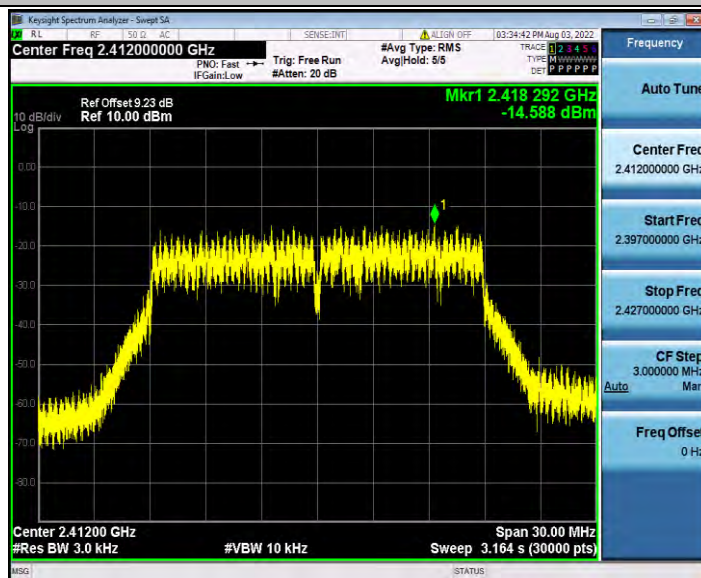
11G_Ant1_2437



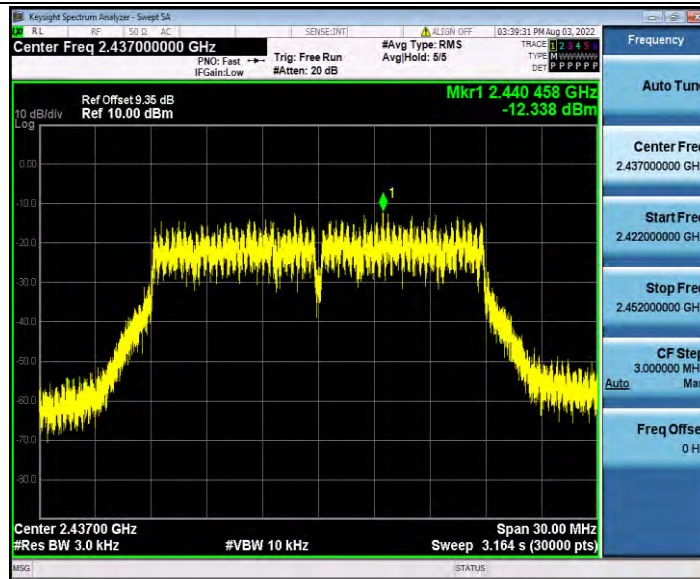
11G_Ant1_2462



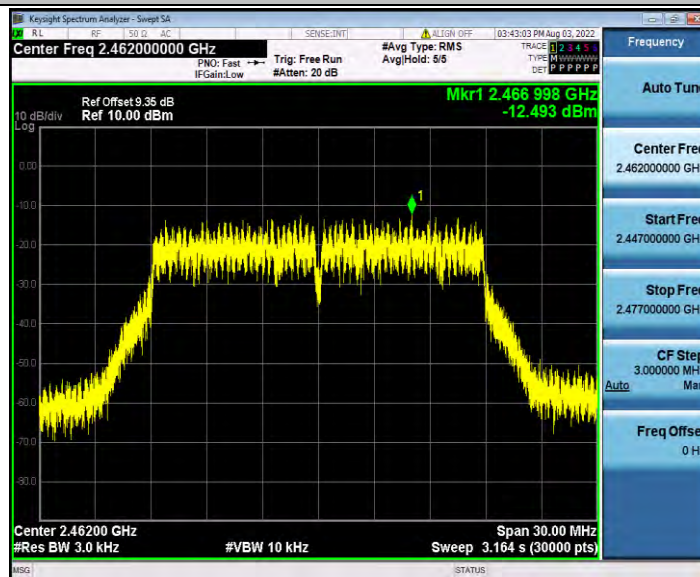
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



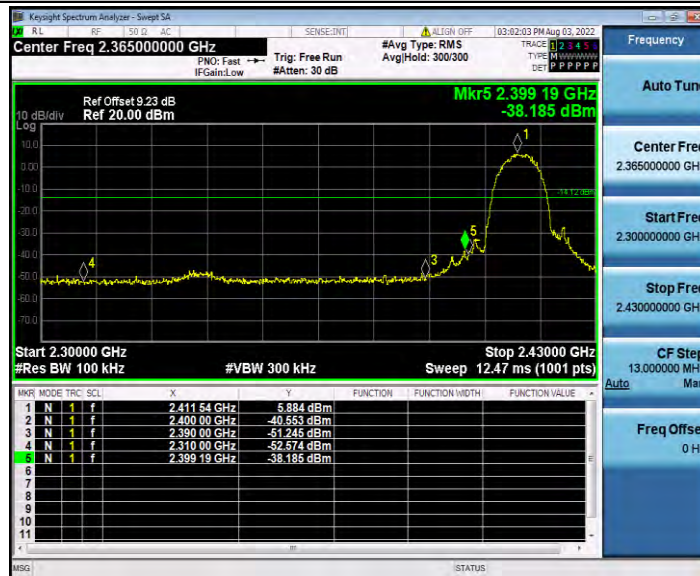
Appendix C.5: Band edge measurements

Test Result

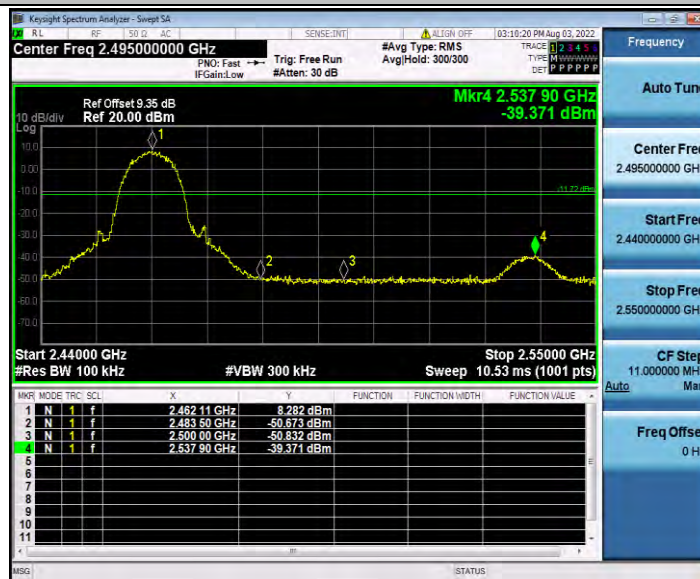
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.88	-38.19	≤-14.12	PASS
		High	2462	8.28	-39.37	≤-11.72	PASS
11G	Ant1	Low	2412	3.32	-30.36	≤-16.68	PASS
		High	2462	5.65	-35.93	≤-14.35	PASS
11N20SISO	Ant1	Low	2412	1.48	-37.77	≤-18.52	PASS
		High	2462	3.24	-39.89	≤-16.76	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



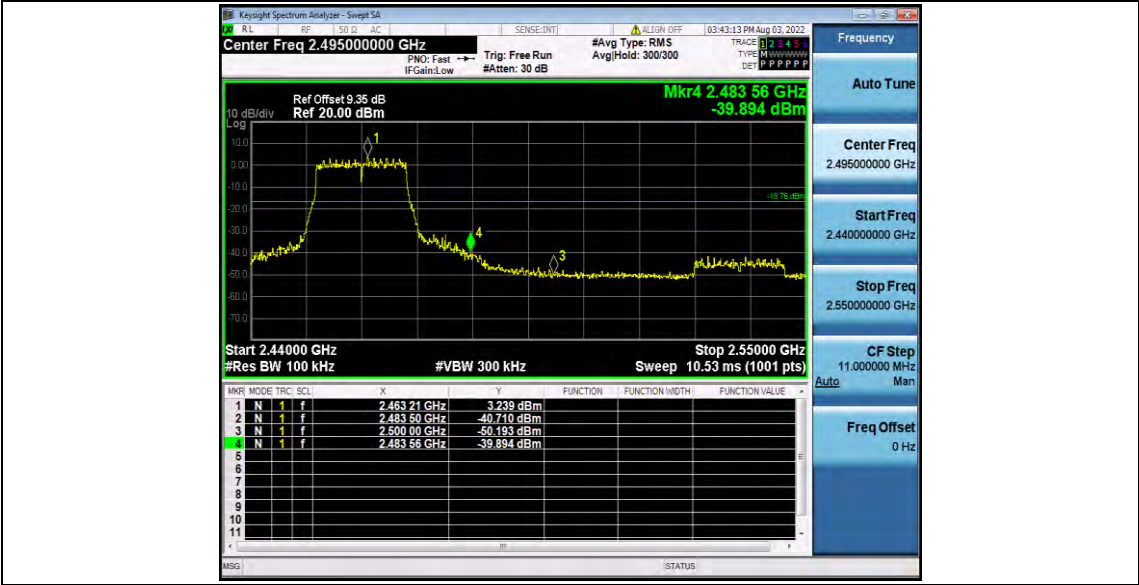
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix C.6: Conducted Spurious Emission

Test Result

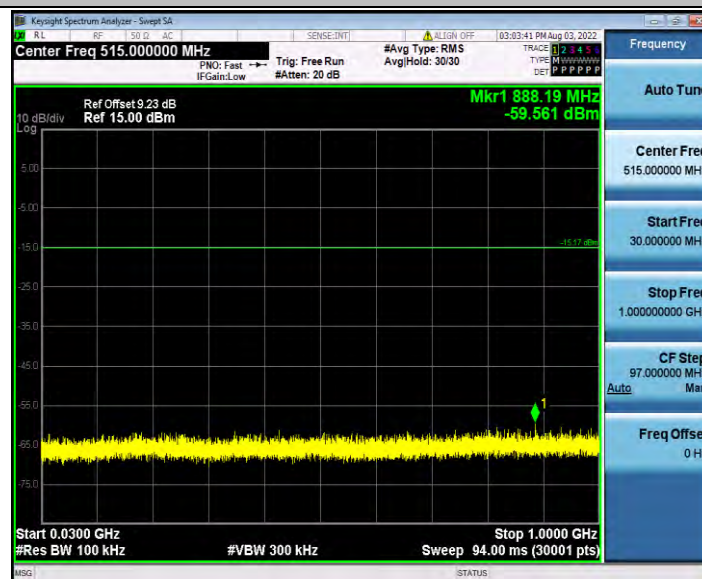
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.83	4.83	---	PASS
			30~1000	4.83	-59.56	≤ -15.17	PASS
			1000~26500	4.83	-46.97	≤ -15.17	PASS
		2437	Reference	6.22	6.22	---	PASS
			30~1000	6.22	-60.38	≤ -13.78	PASS
			1000~26500	6.22	-45.04	≤ -13.78	PASS
		2462	Reference	7.41	7.41	---	PASS
			30~1000	7.41	-60.33	≤ -12.59	PASS
			1000~26500	7.41	-46.34	≤ -12.59	PASS
11G	Ant1	2412	Reference	-0.30	-0.30	---	PASS
			30~1000	-0.30	-60.81	≤ -20.3	PASS
			1000~26500	-0.30	-46.53	≤ -20.3	PASS
		2437	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-60.19	≤ -18.79	PASS
			1000~26500	1.21	-46.46	≤ -18.79	PASS
		2462	Reference	3.25	3.25	---	PASS
			30~1000	3.25	-60.41	≤ -16.75	PASS
			1000~26500	3.25	-45.66	≤ -16.75	PASS
11N20SISO	Ant1	2412	Reference	0.89	0.89	---	PASS
			30~1000	0.89	-60.64	≤ -19.11	PASS
			1000~26500	0.89	-42.68	≤ -19.11	PASS
		2437	Reference	2.42	2.42	---	PASS
			30~1000	2.42	-60.21	≤ -17.58	PASS
			1000~26500	2.42	-43.88	≤ -17.58	PASS
		2462	Reference	3.17	3.17	---	PASS
			30~1000	3.17	-60.18	≤ -16.83	PASS
			1000~26500	3.17	-43.55	≤ -16.83	PASS

Test Graphs

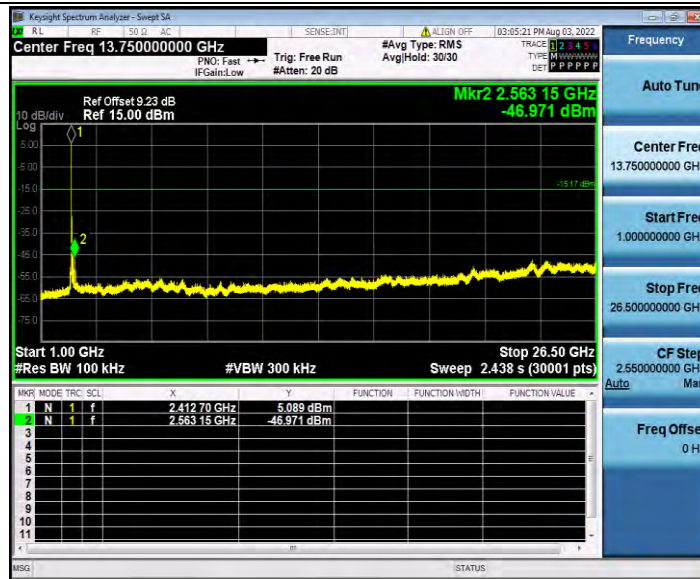
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



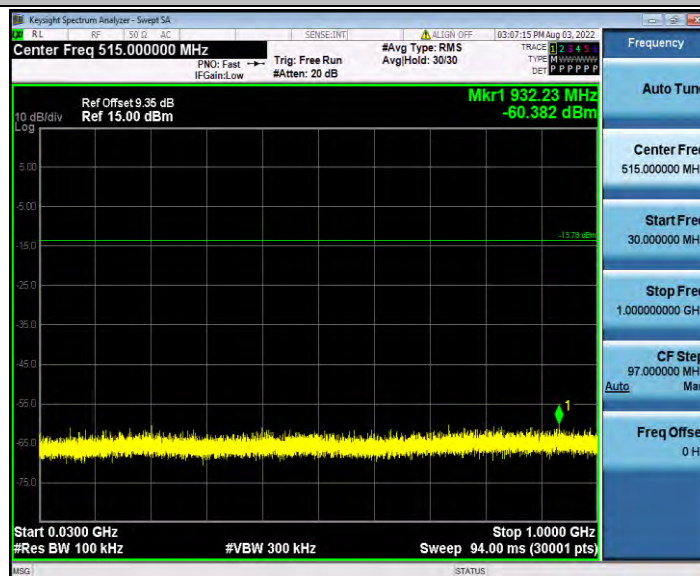
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



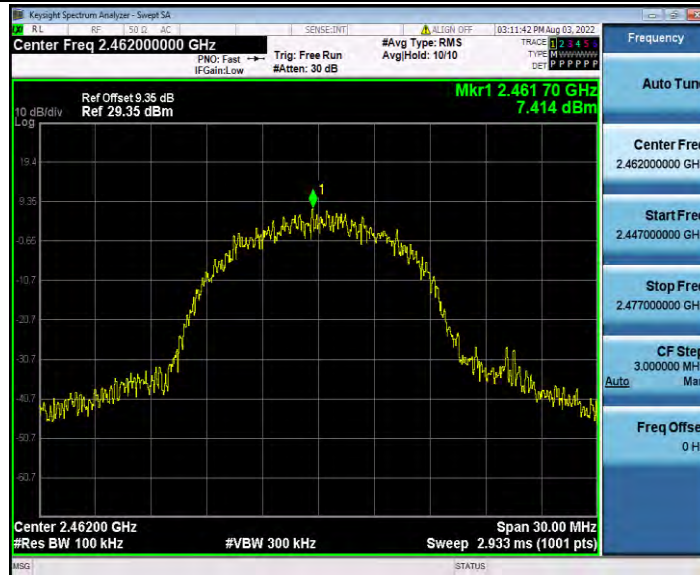
11B_Ant1_2437_30~1000



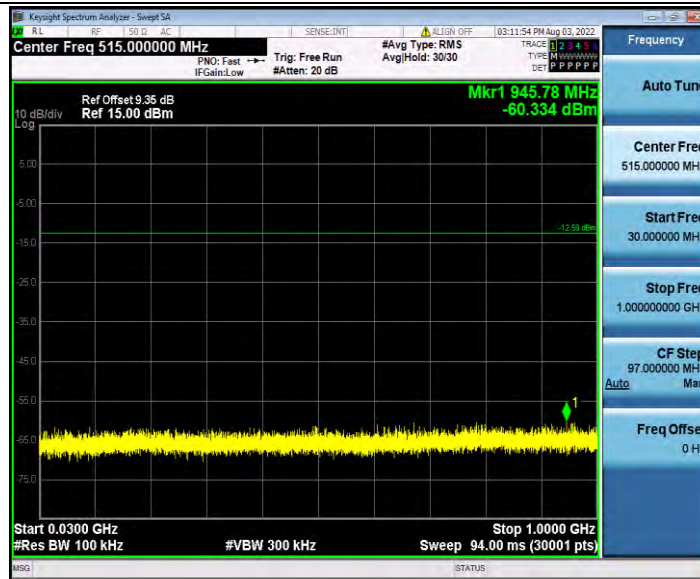
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



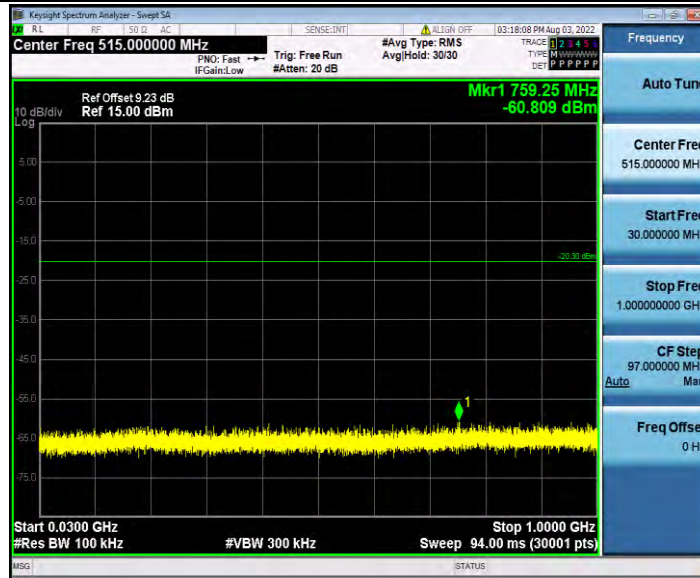
11B_Ant1_2462_1000~26500



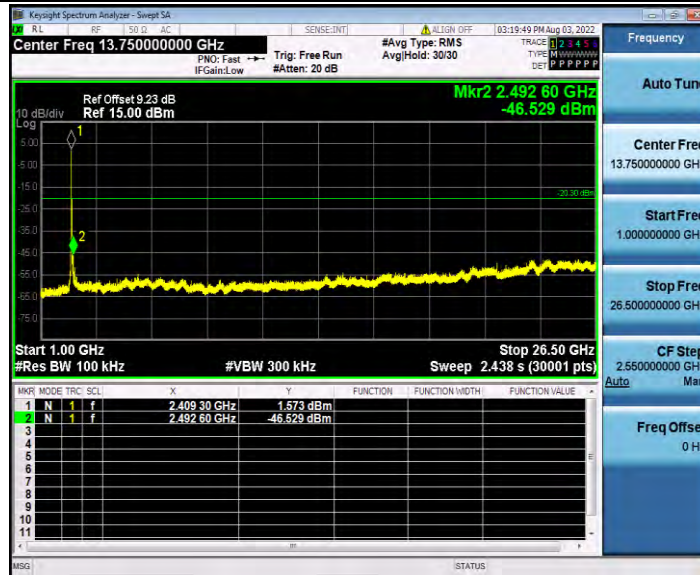
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



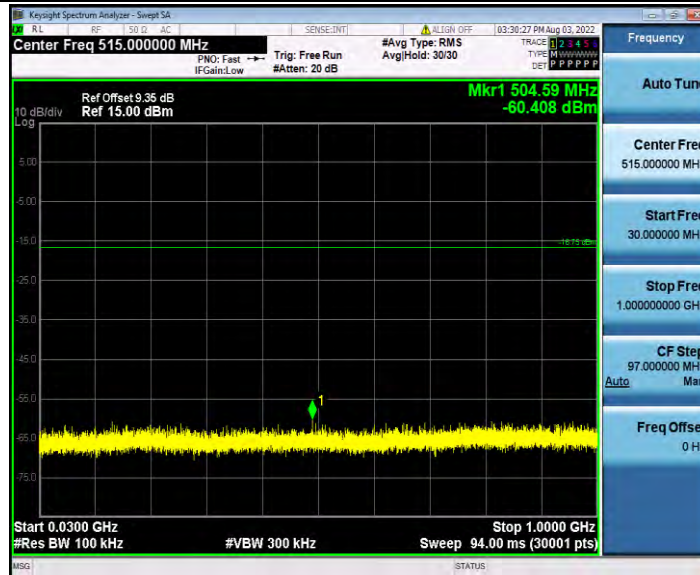
11G_Ant1_2437_1000~26500



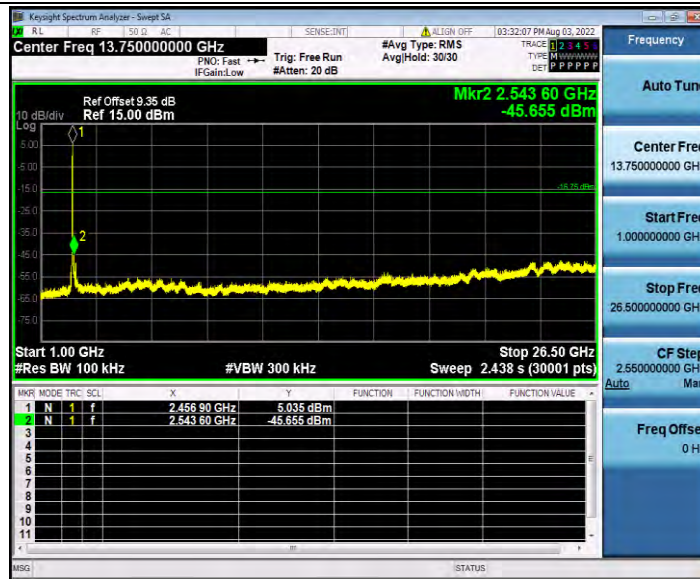
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



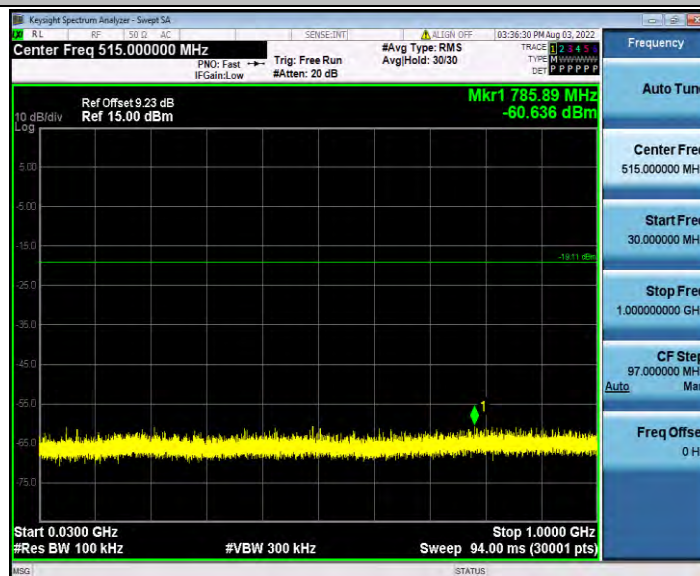
11G_Ant1_2462_1000~26500



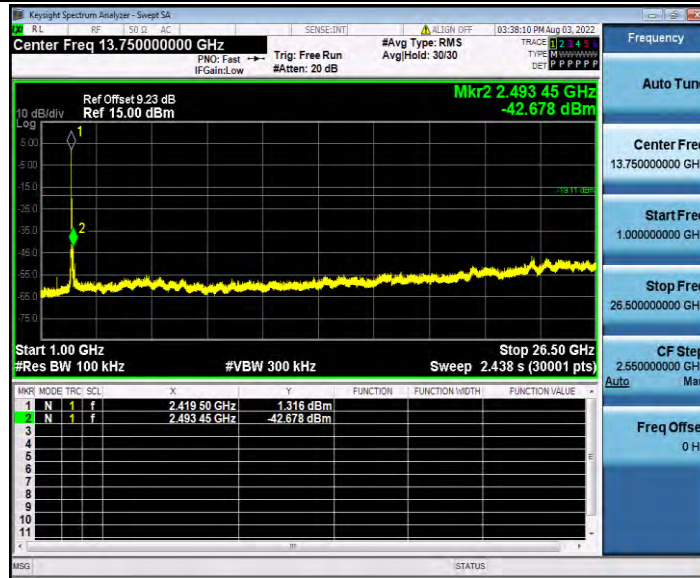
11N20SISO_Ant1_2412_0~Reference



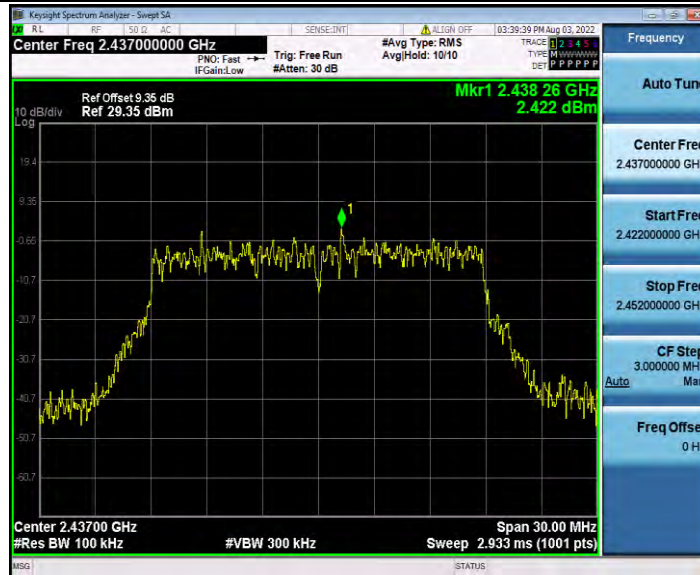
11N20SISO_Ant1_2412_30~1000



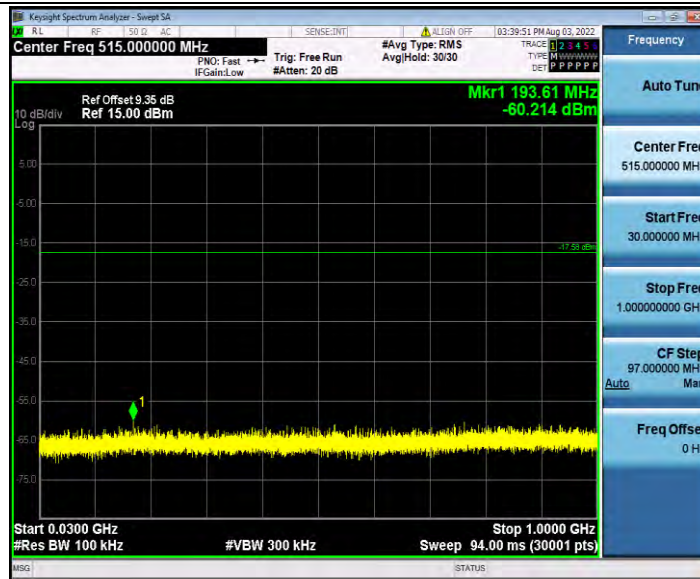
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



