

Case No. : <u>GTS20220723004-1-35</u>	
Ambient Condition: <u>25</u> °C, <u>47</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.8.25</u>	Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

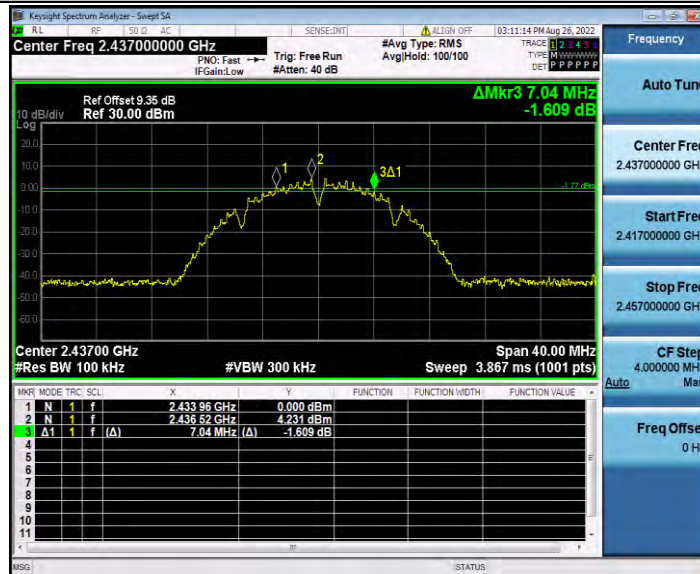
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.080	2408.480	2415.560	0.5	PASS
		2437	7.040	2438.000	2445.560	0.5	PASS
		2462	7.560	2458.480	2466.040	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.400	2428.840	2445.240	0.5	PASS
		2462	16.320	2453.880	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	0.5	PASS
		2437	17.680	2428.200	2445.880	0.5	PASS
		2462	17.680	2453.200	2470.880	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



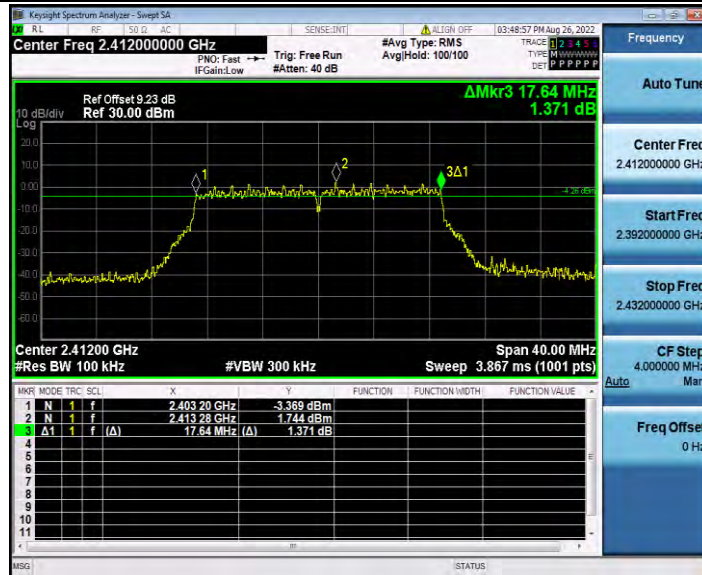
11G_Ant1_2437



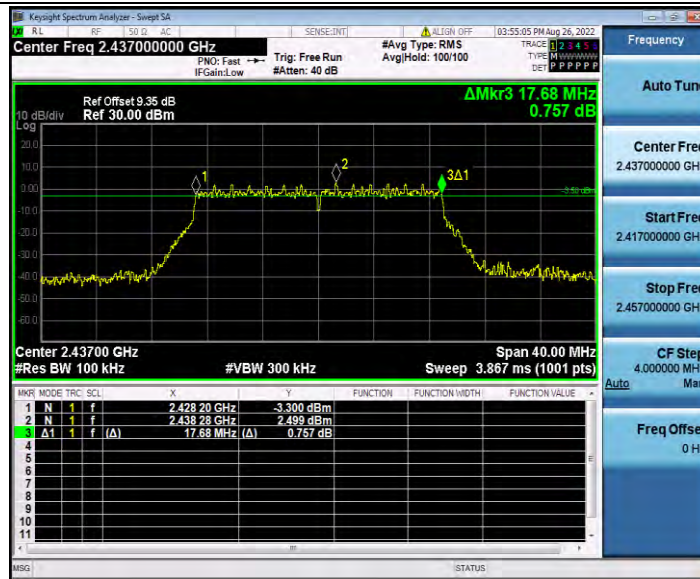
11G_Ant1_2462



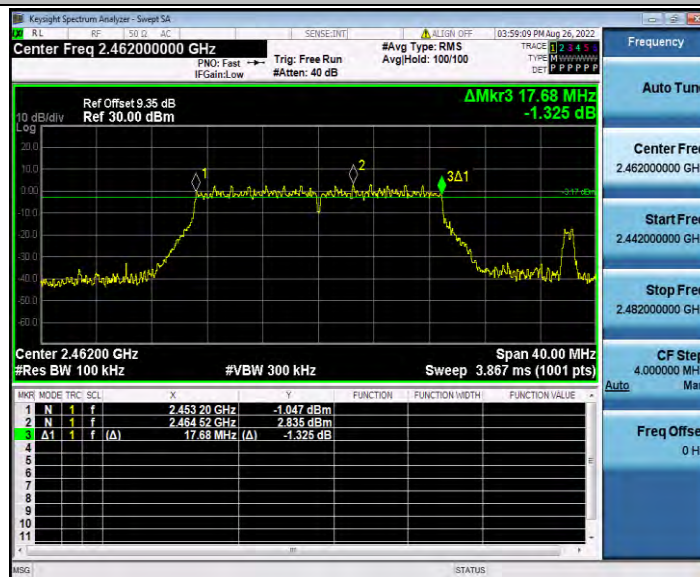
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C.2: Occupied Channel Bandwidth

Test Result

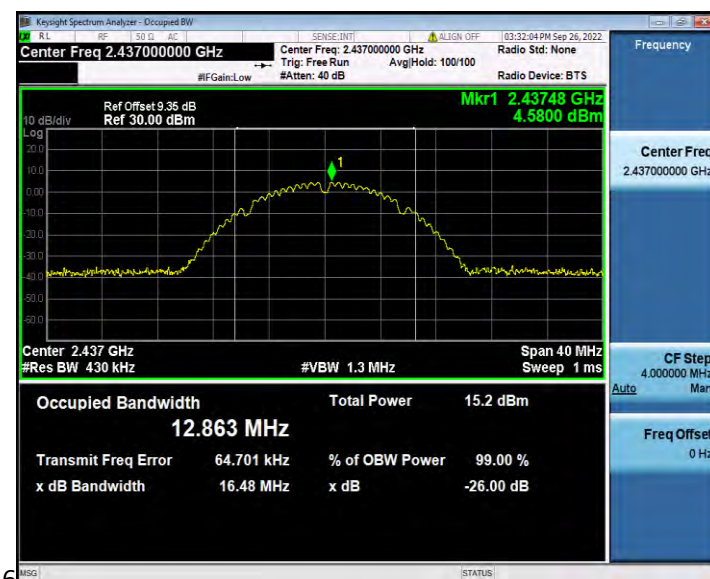
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.011	2406.633	2417.644	---	---
		2437	12.863	2430.633	2443.496	---	---
		2462	10.890	2456.620	2467.510	---	---
11G	Ant1	2412	17.427	2403.372	2420.799	---	---
		2437	17.394	2428.377	2445.771	---	---
		2462	17.486	2453.370	2470.856	---	---
11N20SISO	Ant1	2412	18.130	2403.054	2421.184	---	---
		2437	18.159	2427.963	2446.122	---	---
		2462	18.153	2452.992	2471.145	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437

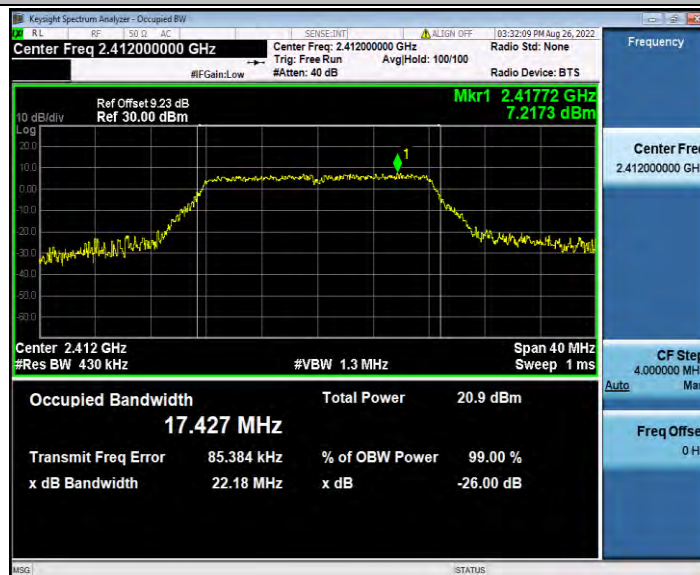


6

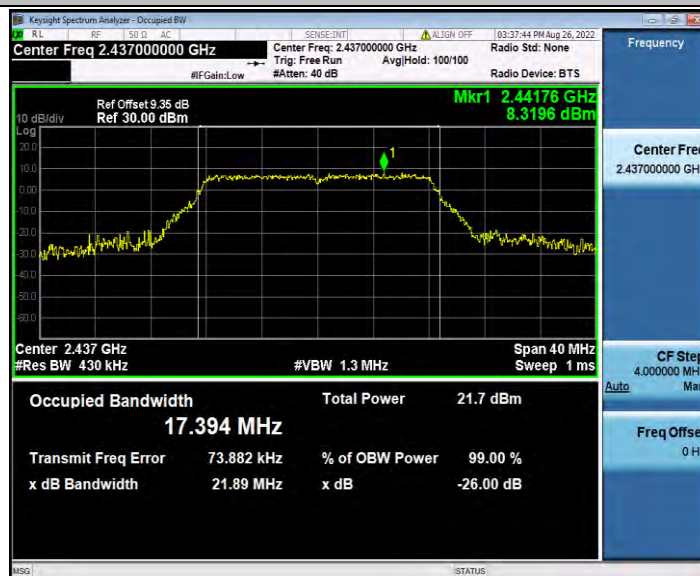
11B_Ant1_2462



11G_Ant1_2412



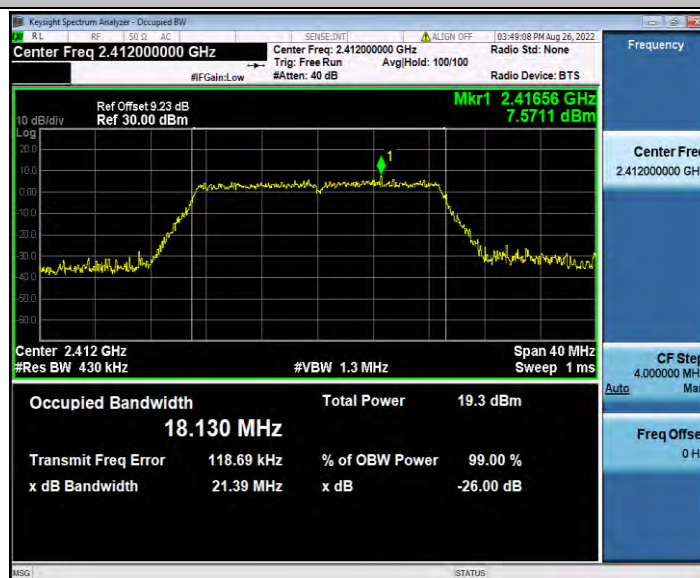
11G_Ant1_2437



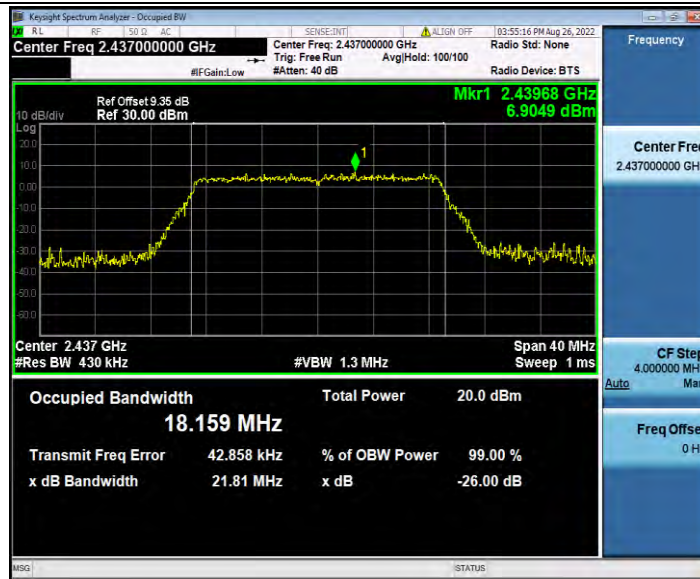
11G_Ant1_2462



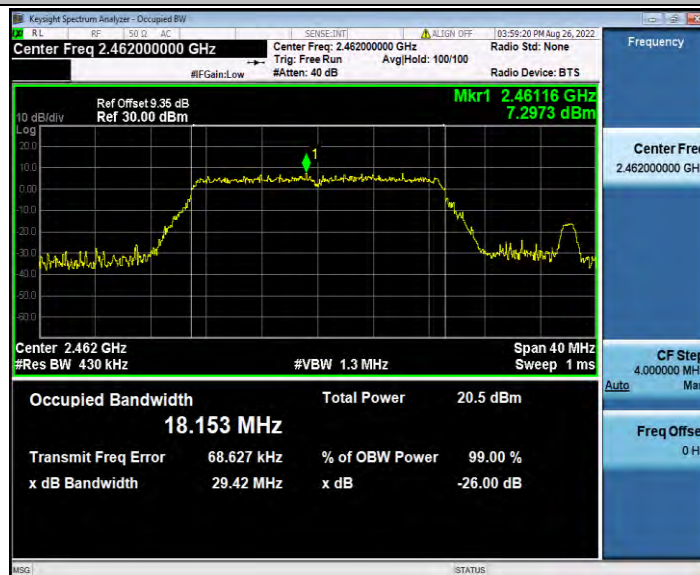
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	17.92	≤30.00	PASS
		2437	18.69	≤30.00	PASS
		2462	19.13	≤30.00	PASS
11G	Ant1	2412	22.21	≤30.00	PASS
		2437	22.91	≤30.00	PASS
		2462	23.33	≤30.00	PASS
11N20SISO	Ant1	2412	20.17	≤30.00	PASS
		2437	20.87	≤30.00	PASS
		2462	21.44	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

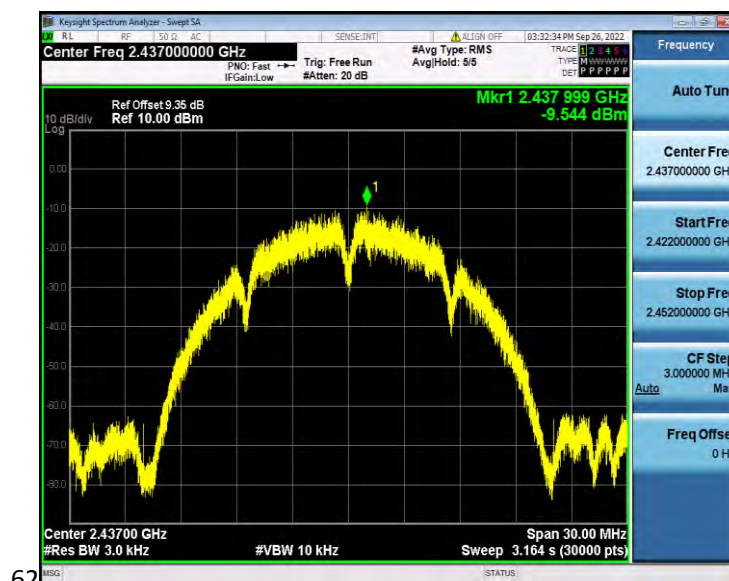
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.39	≤8.00	PASS
		2437	-9.54	≤8.00	PASS
		2462	-5.71	≤8.00	PASS
11G	Ant1	2412	-10.61	≤8.00	PASS
		2437	-9.17	≤8.00	PASS
		2462	-9.21	≤8.00	PASS
11N20SISO	Ant1	2412	-13.96	≤8.00	PASS
		2437	-12.34	≤8.00	PASS
		2462	-11.37	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437

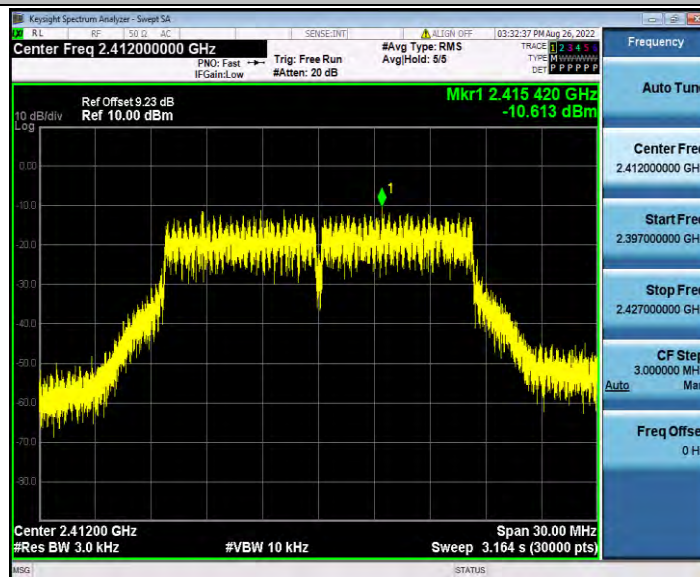


62

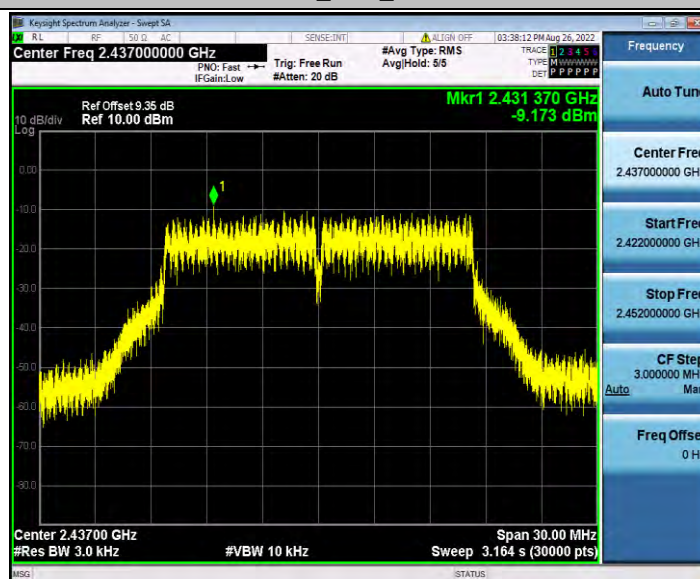
11B_Ant1_2462



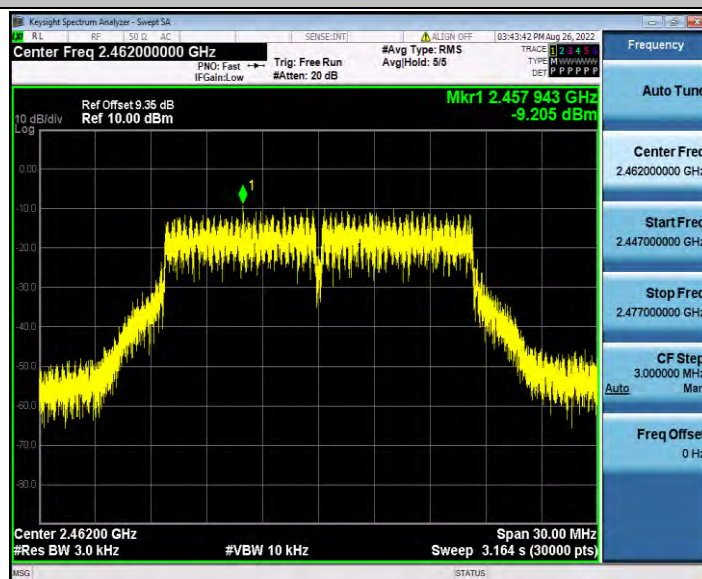
11G_Ant1_2412



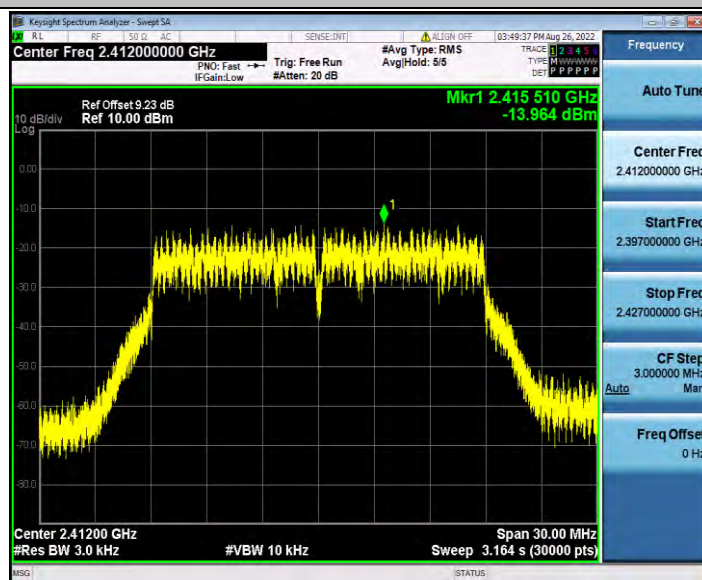
11G_Ant1_2437



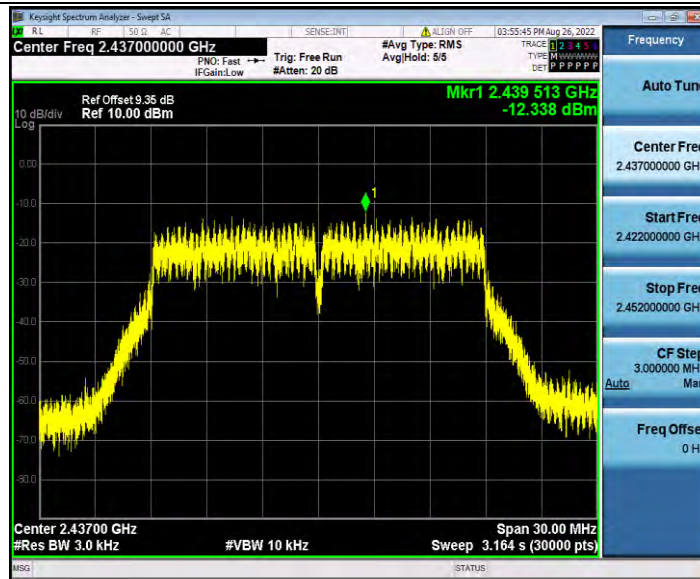
11G_Ant1_2462



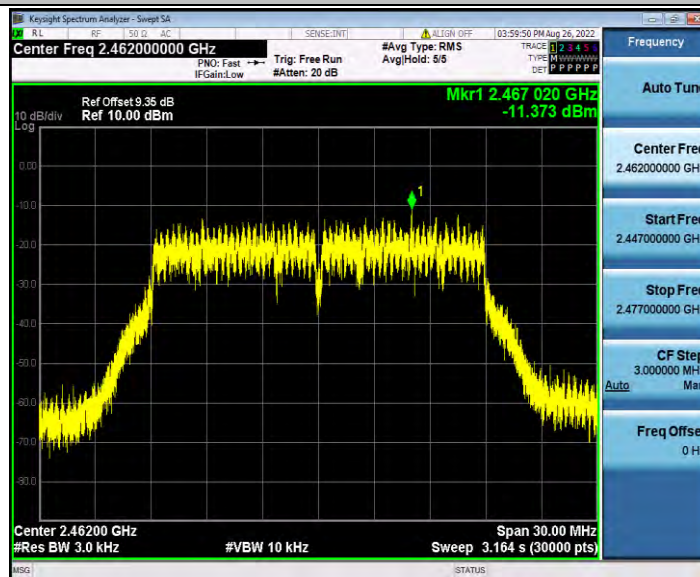
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



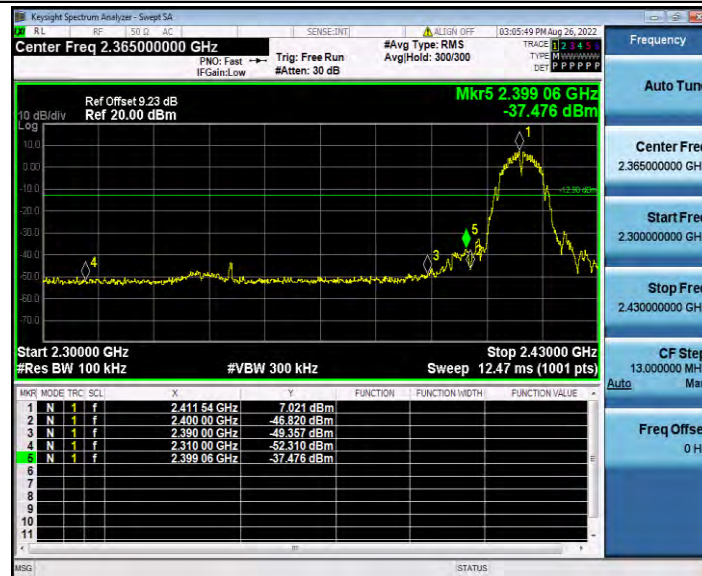
Appendix C.5: Band edge measurements

Test Result

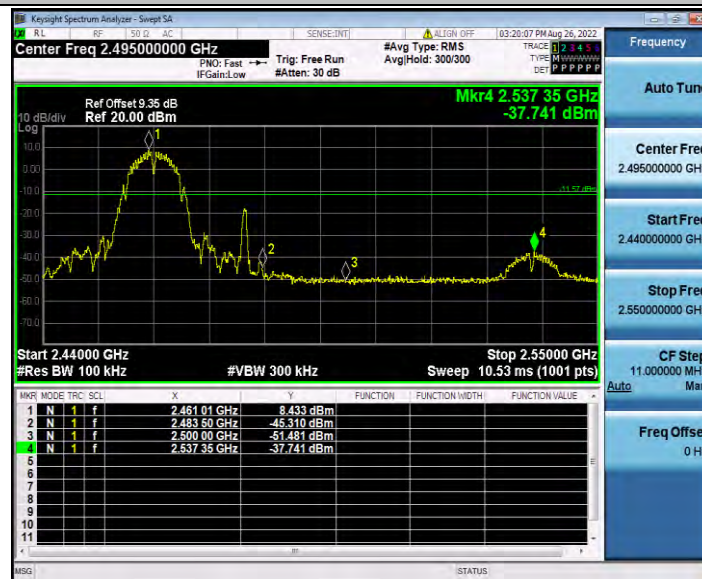
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.02	-37.48	≤-12.98	PASS
		High	2462	8.43	-37.74	≤-11.57	PASS
11G	Ant1	Low	2412	3.93	-29.81	≤-16.07	PASS
		High	2462	5.13	-35.06	≤-14.87	PASS
11N20SISO	Ant1	Low	2412	2.07	-36.85	≤-17.93	PASS
		High	2462	3.20	-37.85	≤-16.8	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



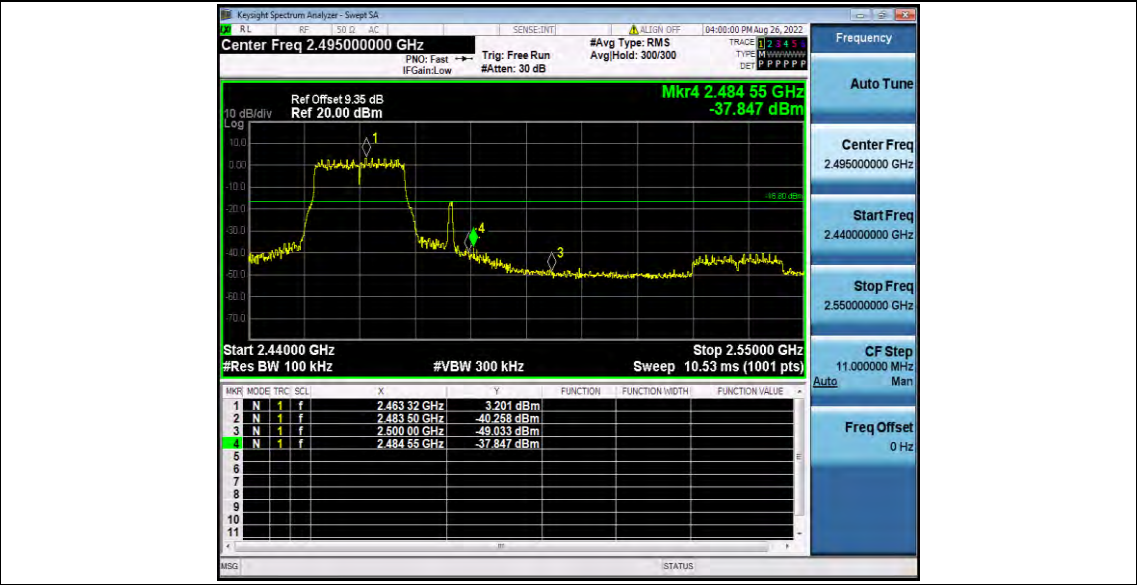
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix C.6: Conducted Spurious Emission

Test Result

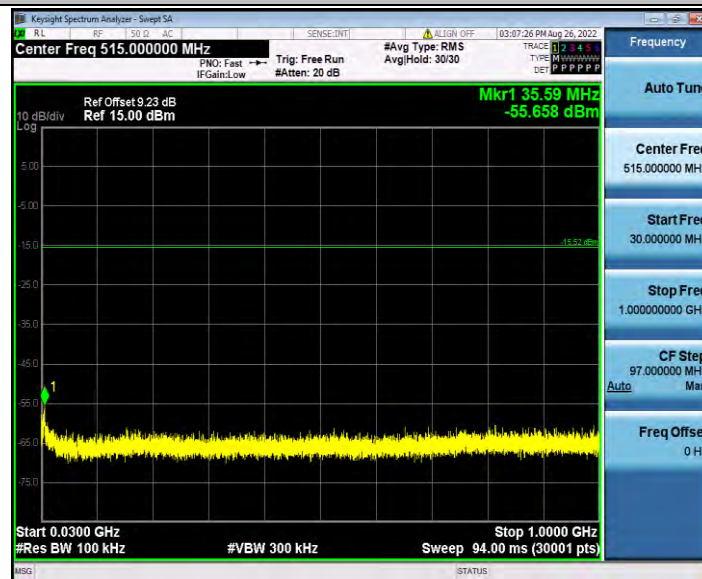
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.48	4.48	---	PASS
			30~1000	4.48	-55.66	≤ -15.52	PASS
			1000~26500	4.48	-45.83	≤ -15.52	PASS
		2437	Reference	2.36	2.36	---	PASS
			30~1000	2.36	-60.28	≤ -17.64	PASS
			1000~26500	2.36	-47.1	≤ -17.64	PASS
		2462	Reference	7.80	7.80	---	PASS
			30~1000	7.80	-54.98	≤ -12.2	PASS
			1000~26500	7.80	-43.31	≤ -12.2	PASS
11G	Ant1	2412	Reference	3.76	3.76	---	PASS
			30~1000	3.76	-56.25	≤ -16.24	PASS
			1000~26500	3.76	-44.65	≤ -16.24	PASS
		2437	Reference	4.19	4.19	---	PASS
			30~1000	4.19	-56.31	≤ -15.81	PASS
			1000~26500	4.19	-42.1	≤ -15.81	PASS
		2462	Reference	4.04	4.04	---	PASS
			30~1000	4.04	-56.21	≤ -15.96	PASS
			1000~26500	4.04	-44.45	≤ -15.96	PASS
11N20SISO	Ant1	2412	Reference	2.02	2.02	---	PASS
			30~1000	2.02	-55.28	≤ -17.98	PASS
			1000~26500	2.02	-42.25	≤ -17.98	PASS
		2437	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-57.06	≤ -18.76	PASS
			1000~26500	1.24	-42.54	≤ -18.76	PASS
		2462	Reference	2.23	2.23	---	PASS
			30~1000	2.23	-60.4	≤ -17.77	PASS
			1000~26500	2.23	-41.95	≤ -17.77	PASS

Test Graphs

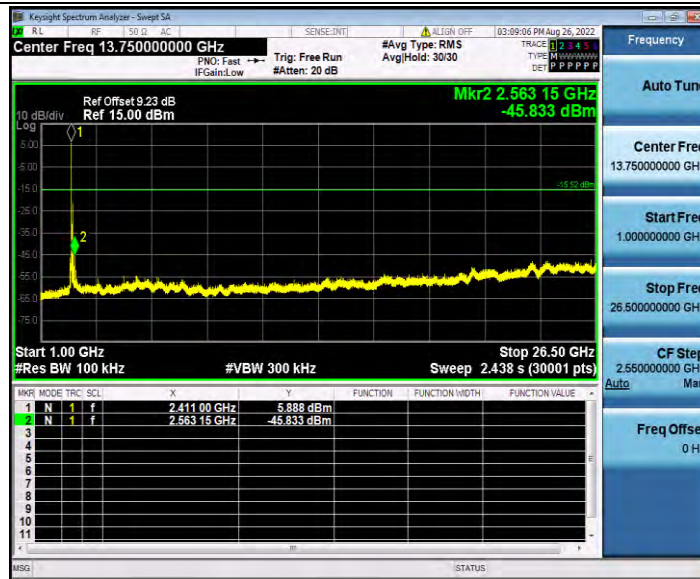
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



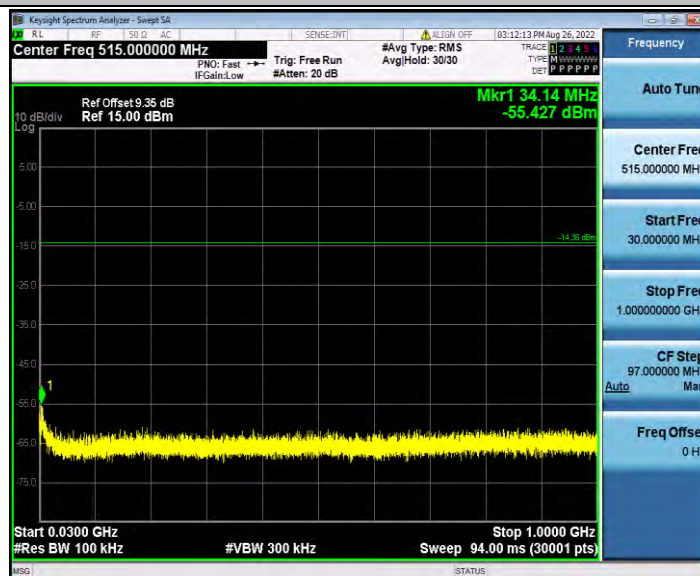
11B_Ant1_2412_1000~26500



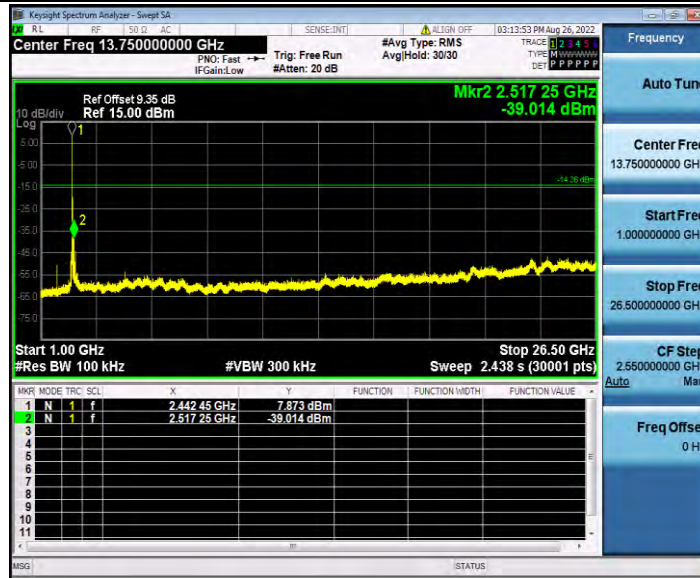
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



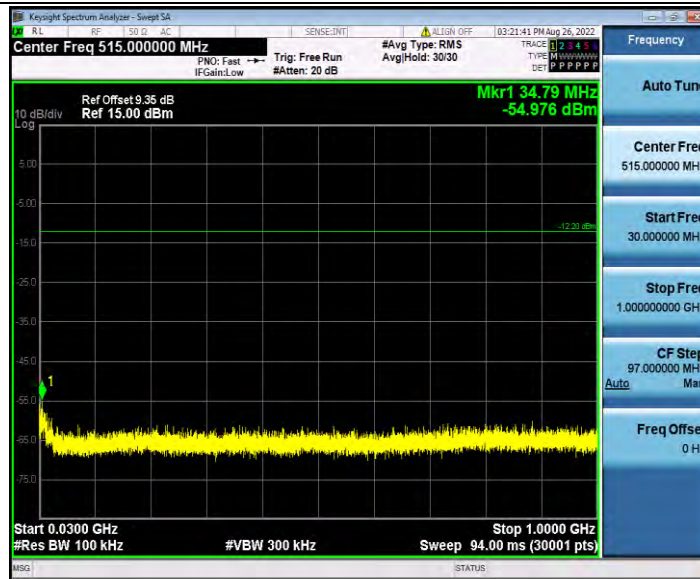
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



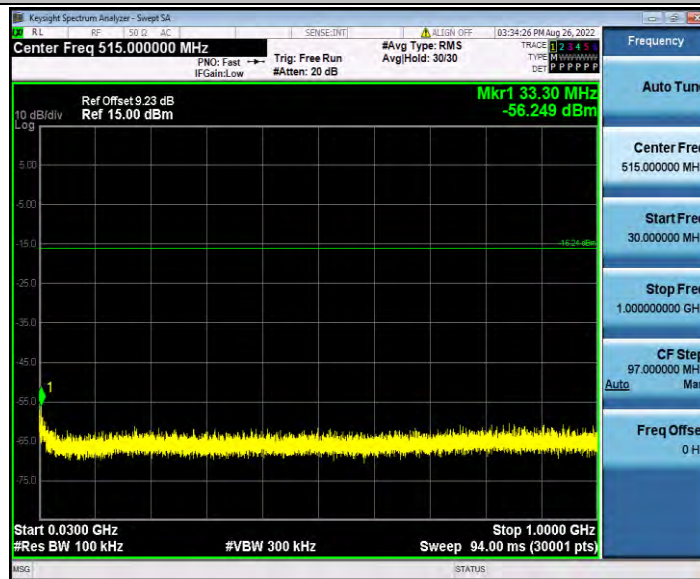
11B_Ant1_2462_1000~26500



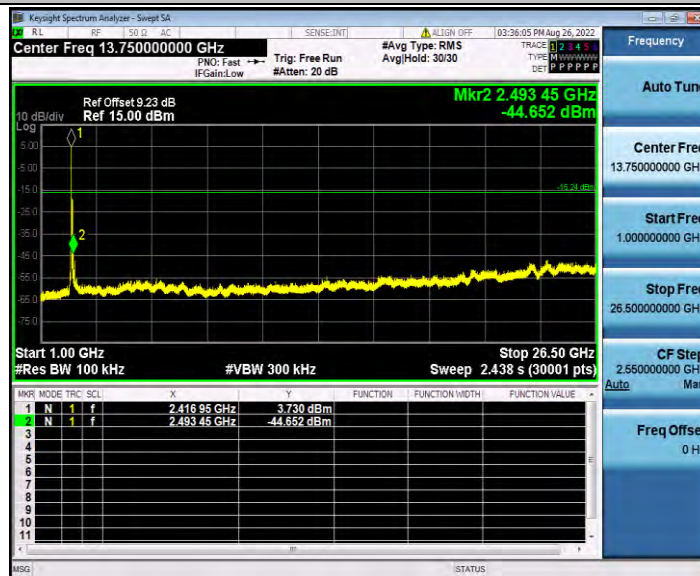
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



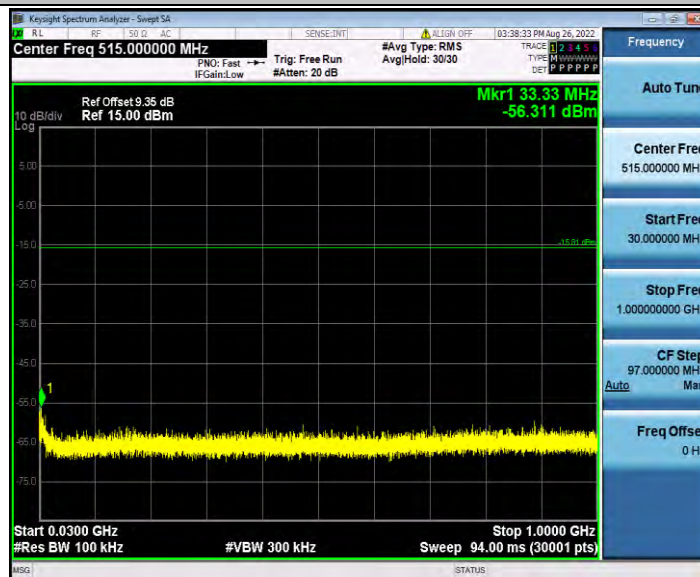
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



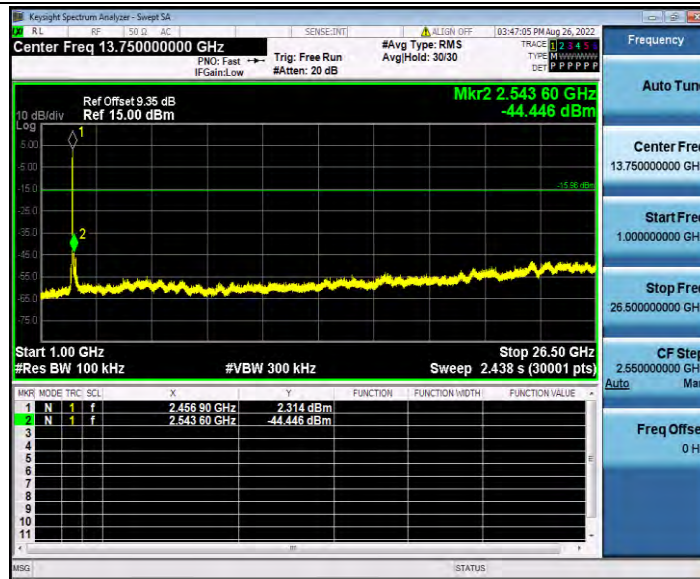
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



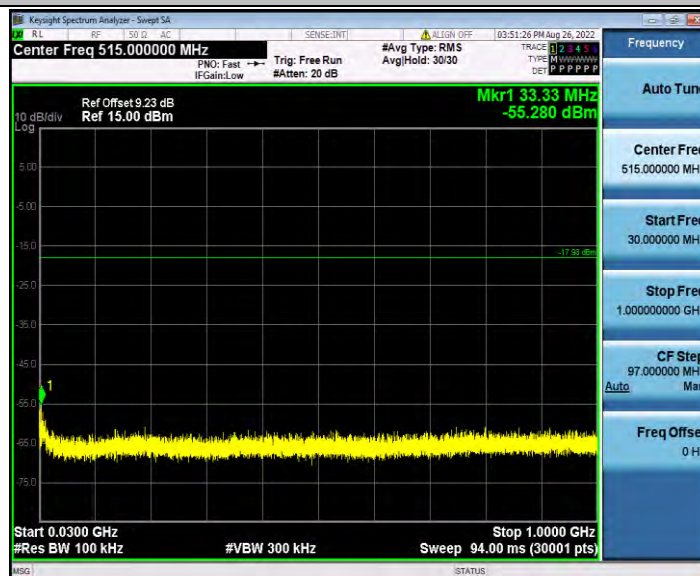
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



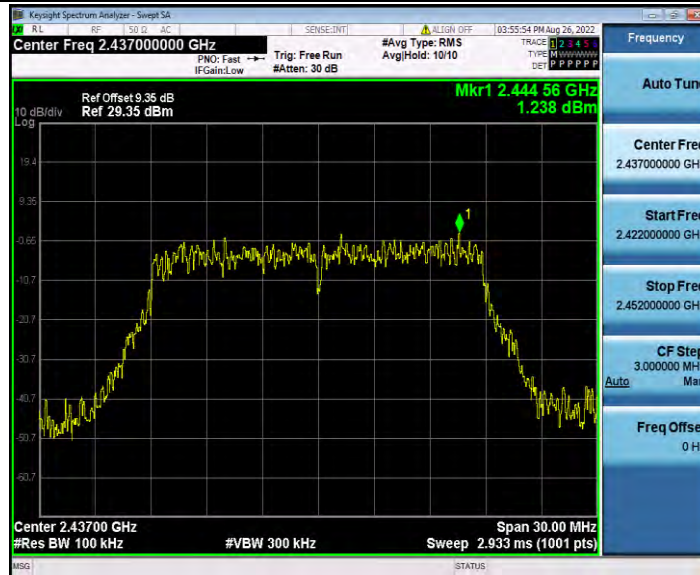
11N20SISO_Ant1_2412_30~1000



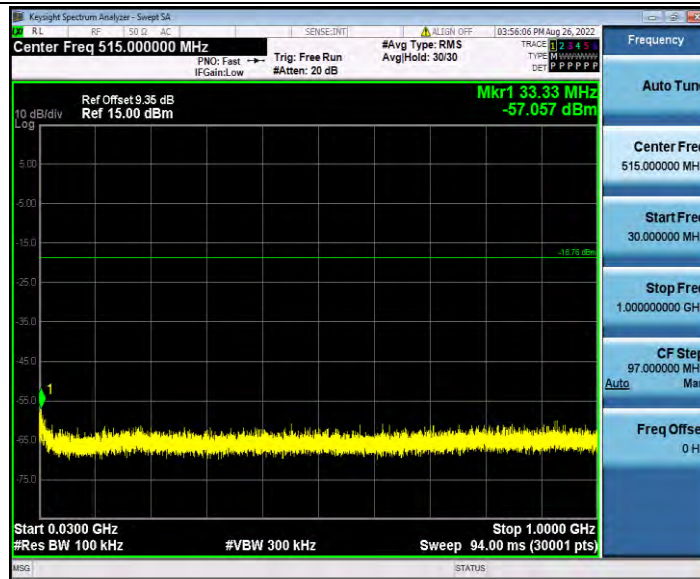
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



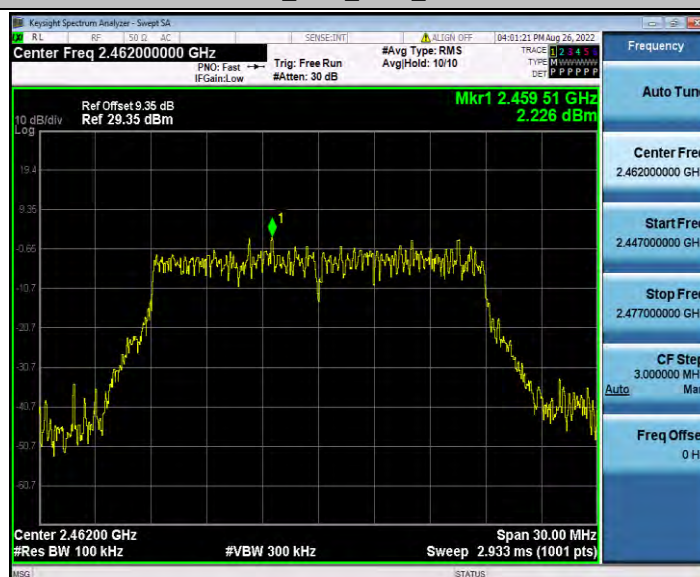
11N20SISO_Ant1_2437_30~1000



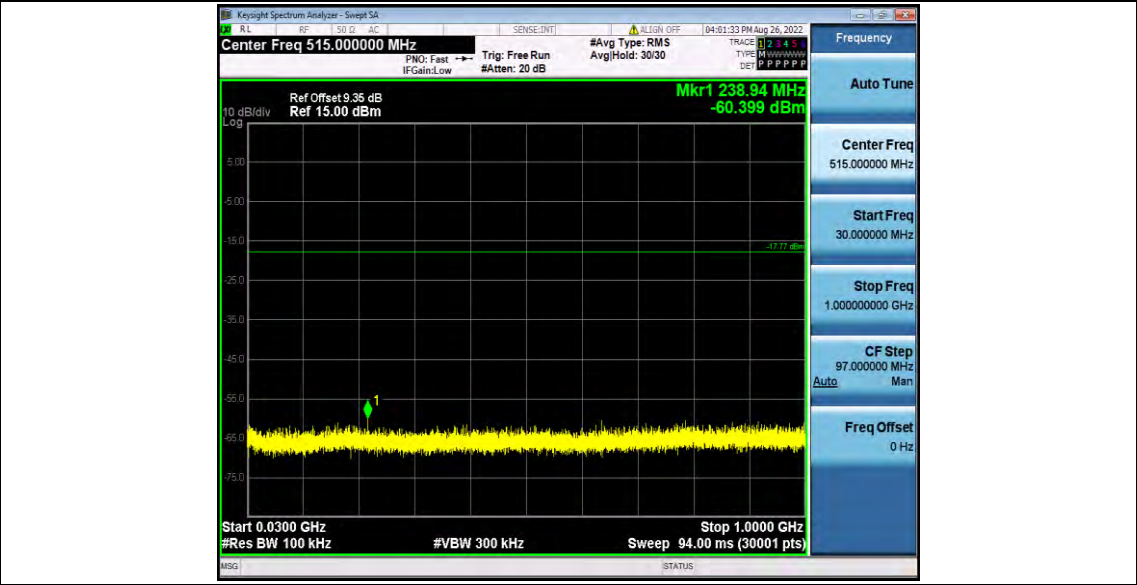
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

