

Case No. : <u>GTS20221012010-1-25</u>	
Ambient Condition: <u>26</u> °C, <u>50</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.18</u>	Test Engineer: <u>Jenny zeng</u>

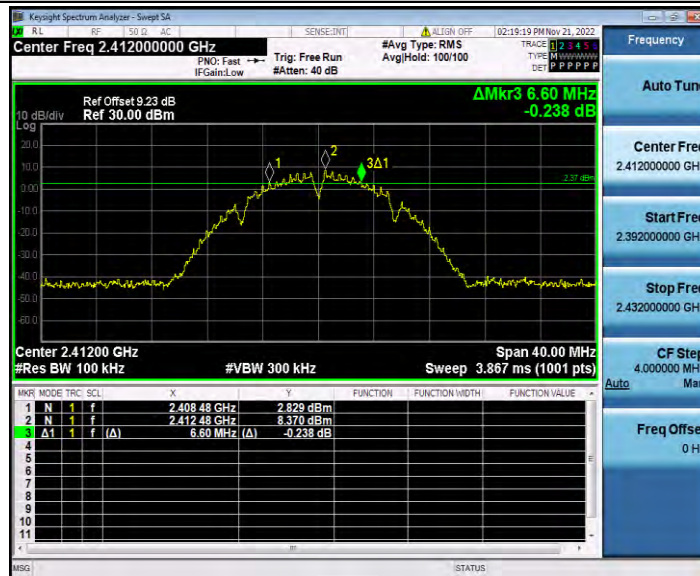
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	6.600	2408.480	2415.080	0.5	PASS
		2437	8.040	2434.000	2442.040	0.5	PASS
		2462	9.560	2456.960	2466.520	0.5	PASS
11G	Ant1	2412	12.600	2406.920	2419.520	0.5	PASS
		2437	13.320	2431.960	2445.280	0.5	PASS
		2462	16.560	2453.720	2470.280	0.5	PASS
11N20SISO	Ant1	2412	12.920	2405.960	2418.880	0.5	PASS
		2437	14.320	2431.600	2445.920	0.5	PASS
		2462	17.840	2453.080	2470.920	0.5	PASS
11N40SISO	Ant1	2422	20.400	2405.760	2426.160	0.5	PASS
		2437	18.800	2435.320	2454.120	0.5	PASS
		2452	12.560	2442.560	2455.120	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



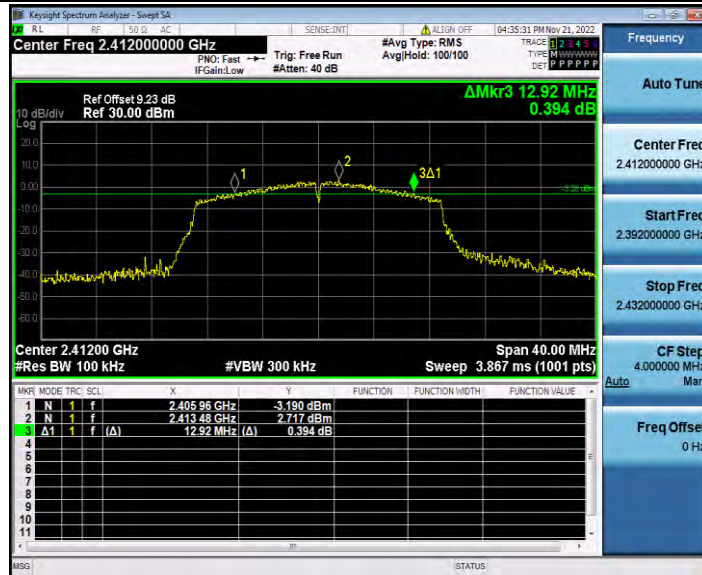
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



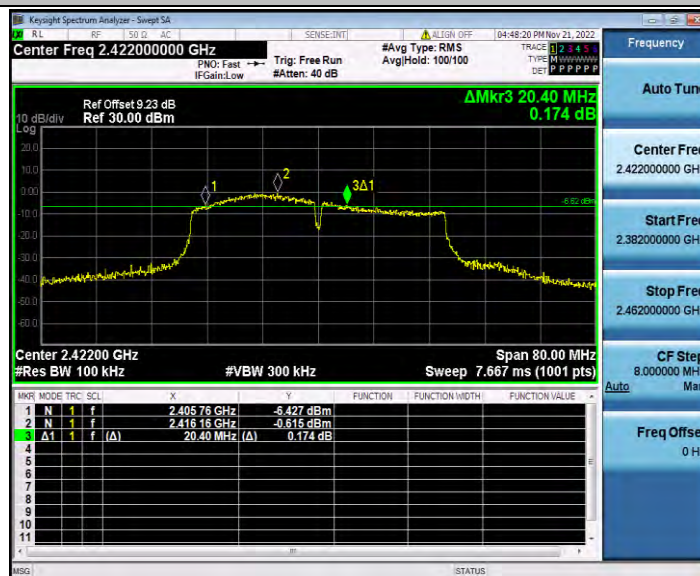
11N20SISO_Ant1_2437



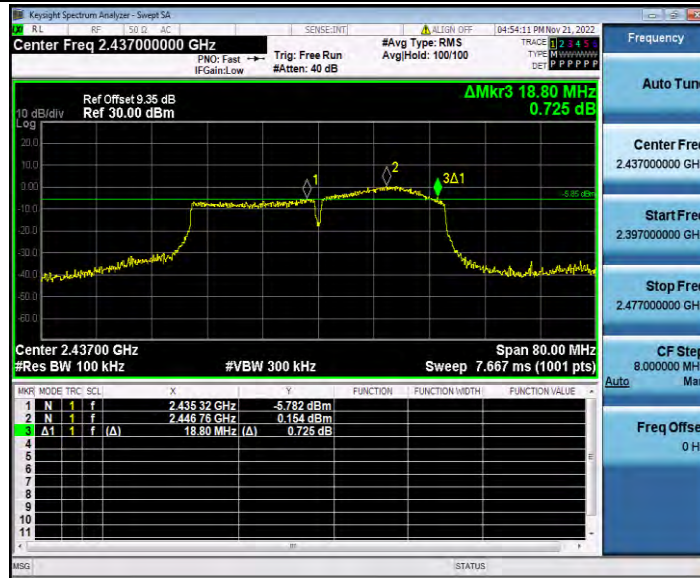
11N20SISO_Ant1_2462



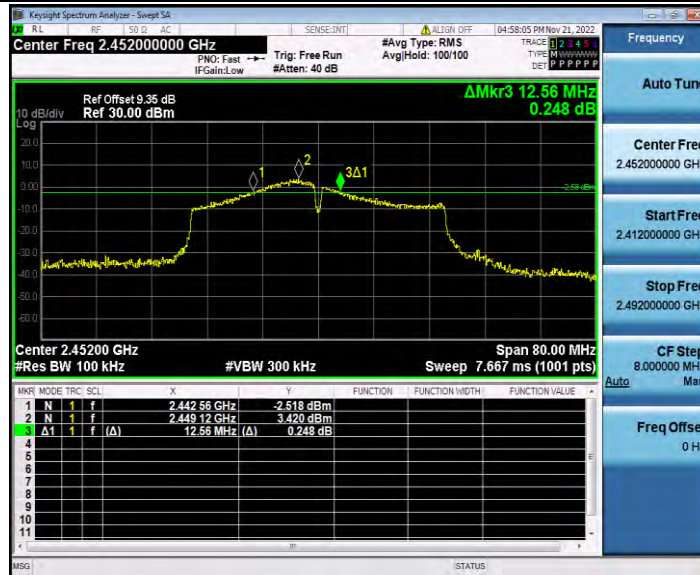
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



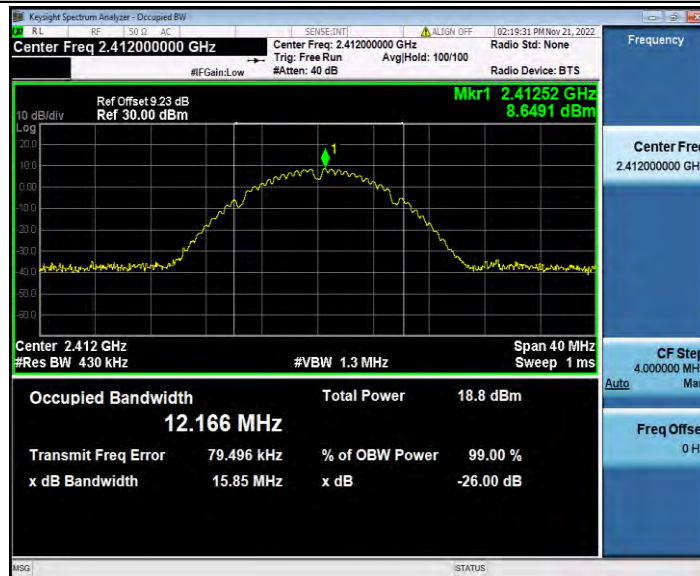
Appendix C.2: Occupied Channel Bandwidth

Test Result

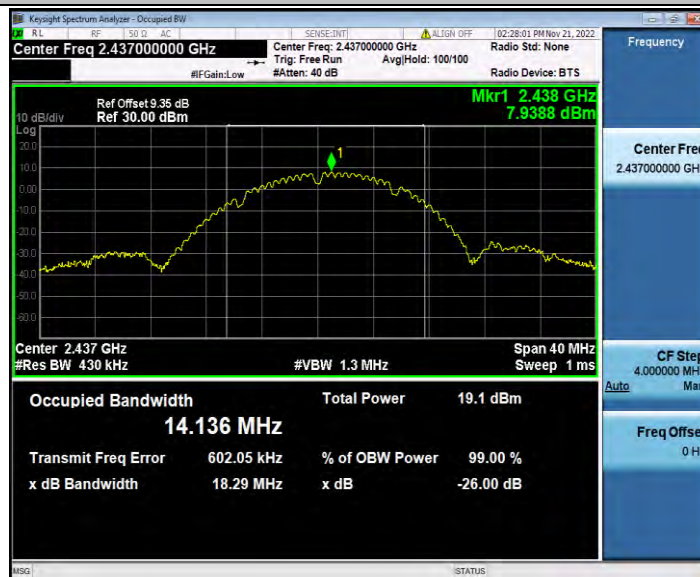
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	12.166	2405.997	2418.163
		2437	14.136	2430.534	2444.670
		2462	14.972	2454.260	2469.232
11G	Ant1	2412	16.314	2403.868	2420.182
		2437	17.489	2428.821	2446.310
		2462	18.138	2452.732	2470.870
11N20SISO	Ant1	2412	17.376	2403.328	2420.704
		2437	18.097	2428.286	2446.383
		2462	18.360	2452.735	2471.095
11N40SISO	Ant1	2422	36.002	2404.032	2440.034
		2437	36.251	2418.843	2455.094
		2452	35.212	2434.557	2469.769

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



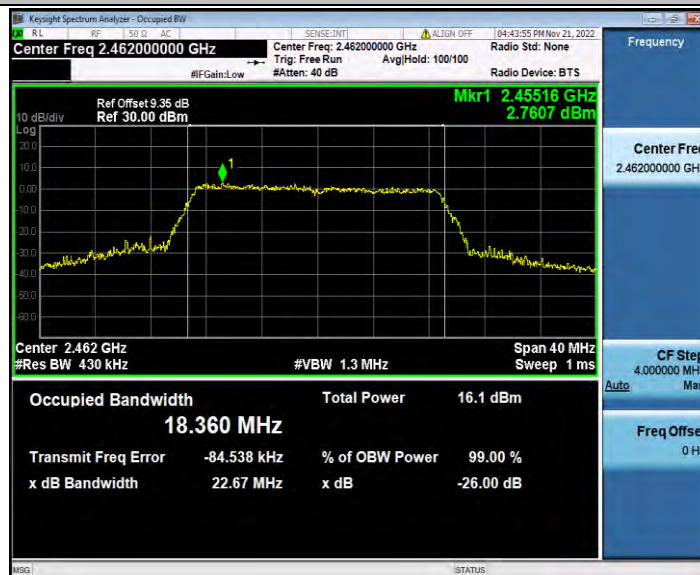
11N20SISO_Ant1_2412



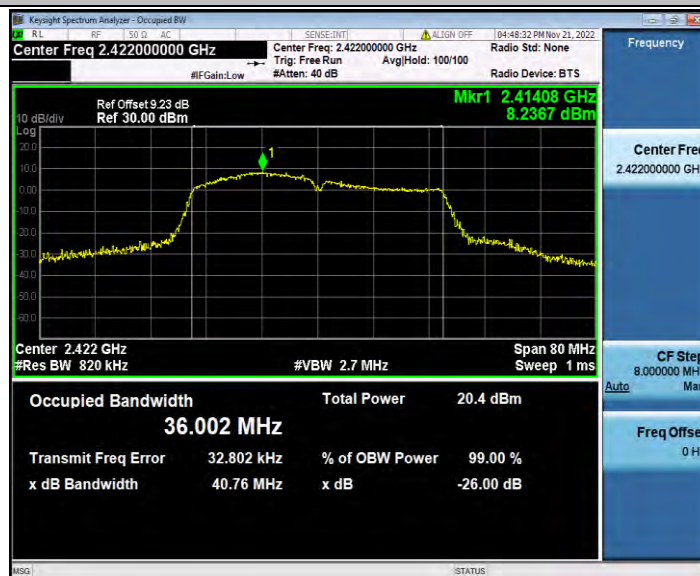
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



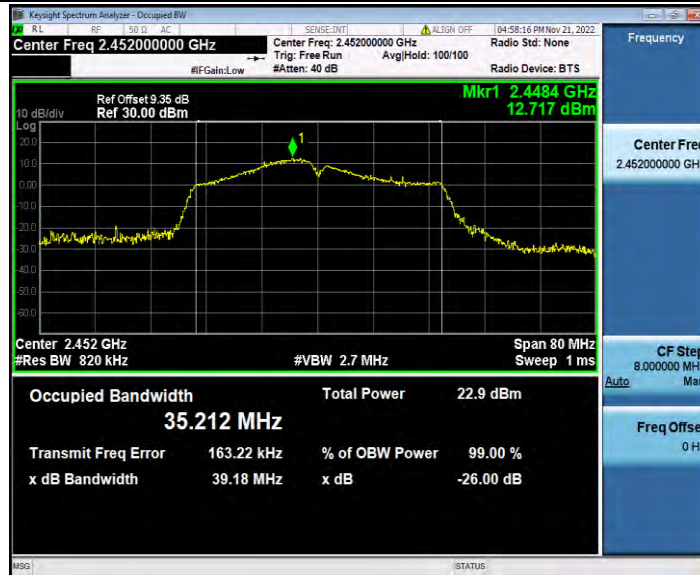
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	18.81	≤30.00	PASS
		2437	19.09	≤30.00	PASS
		2462	18.81	≤30.00	PASS
11G	Ant1	2412	22.89	≤30.00	PASS
		2437	23.00	≤30.00	PASS
		2462	22.67	≤30.00	PASS
11N20SISO	Ant1	2412	22.08	≤30.00	PASS
		2437	17.55	≤30.00	PASS
		2462	17.33	≤30.00	PASS
11N40SISO	Ant1	2422	20.87	≤30.00	PASS
		2437	21.54	≤30.00	PASS
		2452	23.13	≤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	-6.78	≤8.00	PASS
		2437	-6.63	≤8.00	PASS
		2462	-6.99	≤8.00	PASS
11G	Ant1	2412	-8.63	≤8.00	PASS
		2437	-7.38	≤8.00	PASS
		2462	-9.67	≤8.00	PASS
11N20SISO	Ant1	2412	-8.37	≤8.00	PASS
		2437	-13.45	≤8.00	PASS
		2462	-14.36	≤8.00	PASS
11N40SISO	Ant1	2422	-12.42	≤8.00	PASS
		2437	-10.34	≤8.00	PASS
		2452	-8.6	≤8.00	PASS

Test Graphs

11B_Ant1_2412



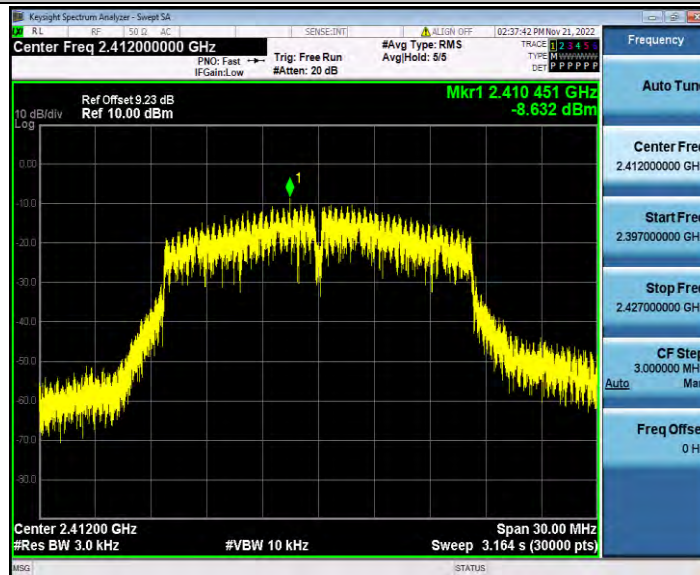
11B_Ant1_2437



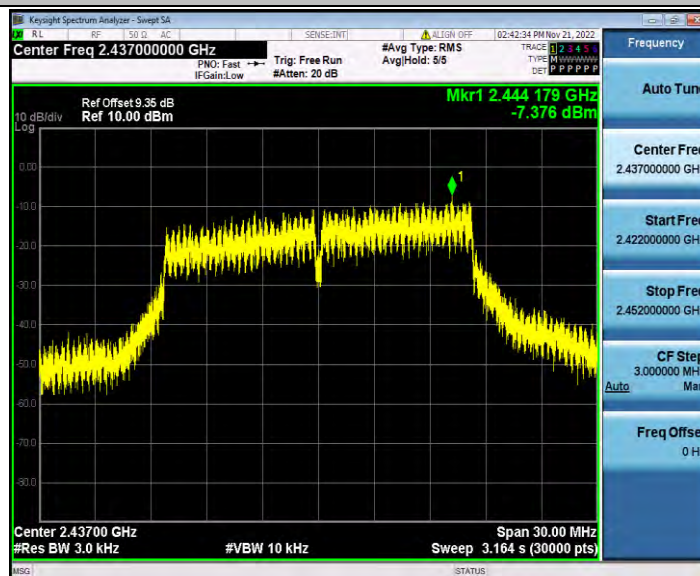
11B_Ant1_2462



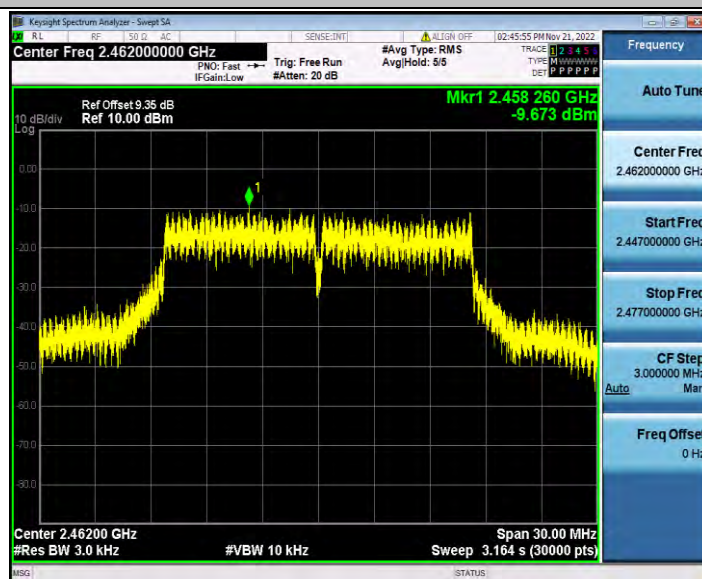
11G_Ant1_2412



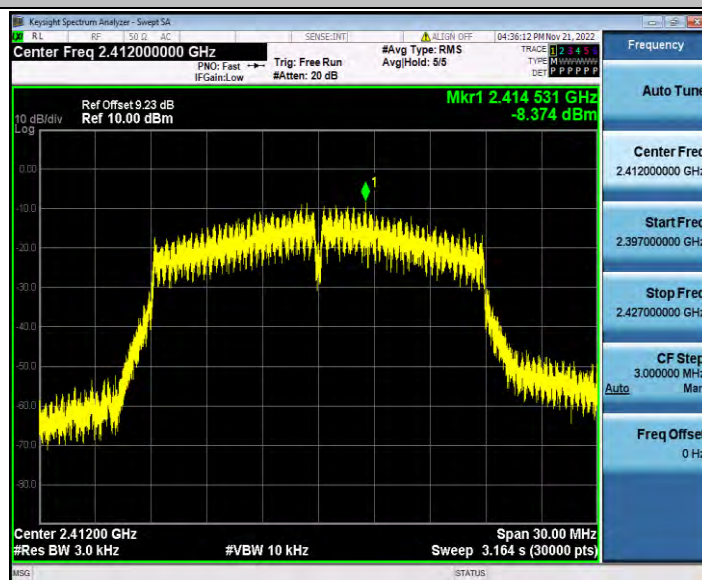
11G_Ant1_2437



11G_Ant1_2462



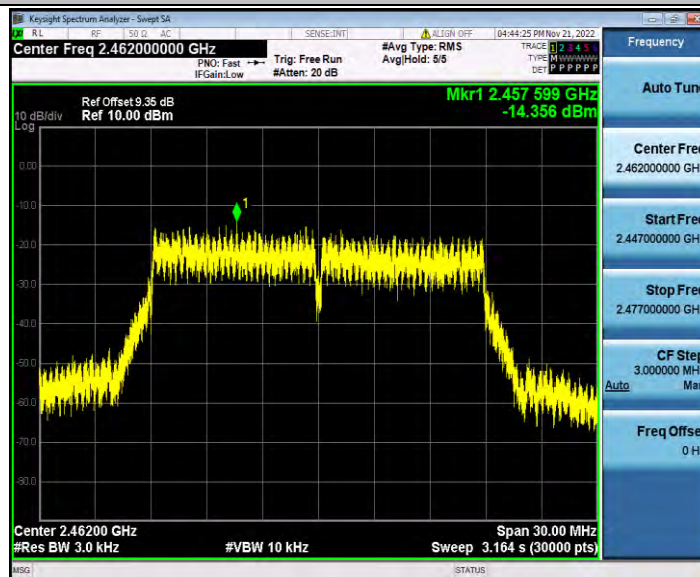
11N20SISO_Ant1_2412



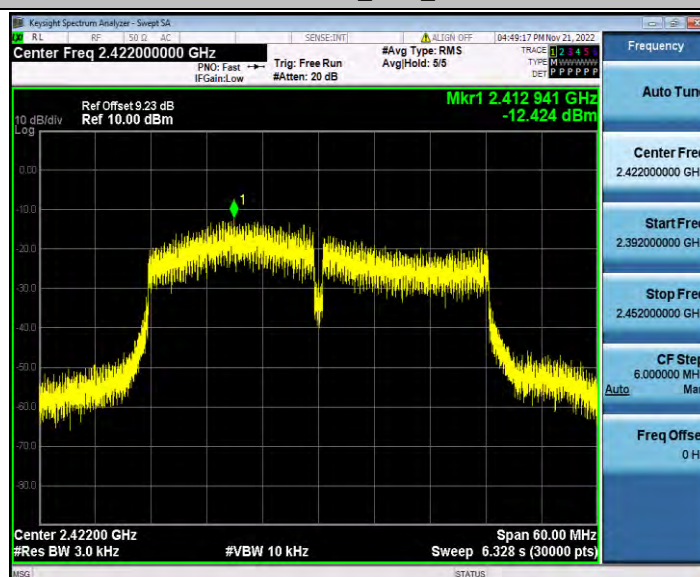
11N20SISO_Ant1_2437



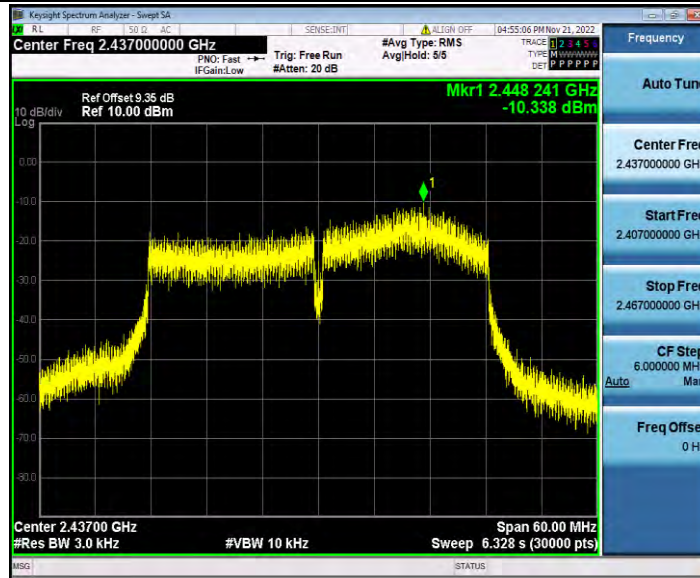
11N20SISO_Ant1_2462



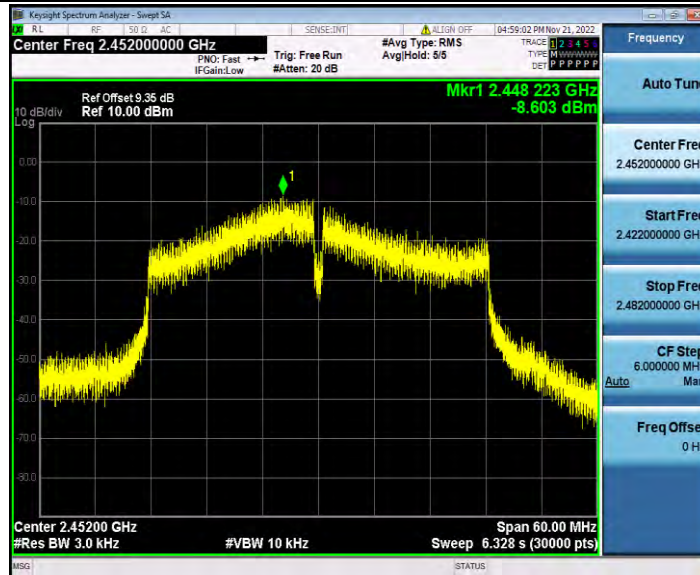
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



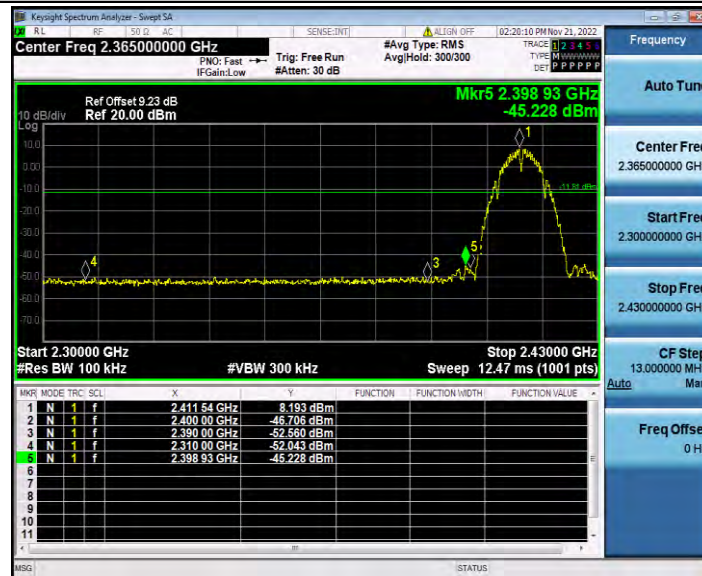
Appendix C.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.19	-45.23	≤-11.81	PASS
		High	2462	7.00	-45.01	≤-13	PASS
11G	Ant1	Low	2412	5.73	-31.61	≤-14.27	PASS
		High	2462	1.96	-37.4	≤-18.04	PASS
11N20SISO	Ant1	Low	2412	3.12	-35.43	≤-16.88	PASS
		High	2462	-3.18	-48.53	≤-23.18	PASS
11N40SISO	Ant1	Low	2422	-0.55	-33.61	≤-20.55	PASS
		High	2452	3.20	-37.46	≤-16.8	PASS

Test Graphs

11B_Ant1_Low_2412



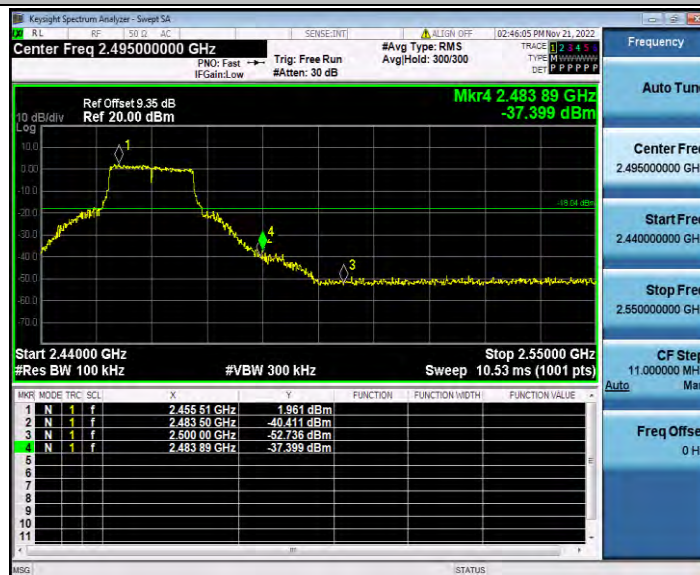
11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

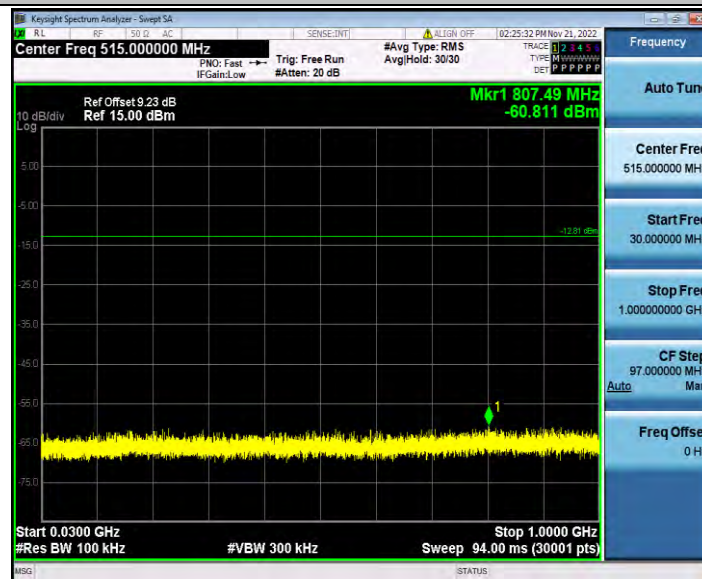
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.19	7.19	---	PASS
			30~1000	7.19	-60.81	≤ -12.81	PASS
			1000~26500	7.19	-47.18	≤ -12.81	PASS
		2437	Reference	5.90	5.90	---	PASS
			30~1000	5.90	-50.52	≤ -14.1	PASS
			1000~26500	5.90	-41.28	≤ -14.1	PASS
		2462	Reference	6.00	6.00	---	PASS
			30~1000	6.00	-59.91	≤ -14	PASS
			1000~26500	6.00	-42.2	≤ -14	PASS
11G	Ant1	2412	Reference	4.60	4.60	---	PASS
			30~1000	4.60	-60.45	≤ -15.4	PASS
			1000~26500	4.60	-47.53	≤ -15.4	PASS
		2437	Reference	3.60	3.60	---	PASS
			30~1000	3.60	-59.67	≤ -16.4	PASS
			1000~26500	3.60	-47.2	≤ -16.4	PASS
		2462	Reference	0.85	0.85	---	PASS
			30~1000	0.85	-60.53	≤ -19.15	PASS
			1000~26500	0.85	-46.93	≤ -19.15	PASS
11N20SISO	Ant1	2412	Reference	2.09	2.09	---	PASS
			30~1000	2.09	-59.65	≤ -17.91	PASS
			1000~26500	2.09	-47.72	≤ -17.91	PASS
		2437	Reference	-2.56	-2.56	---	PASS
			30~1000	-2.56	-60.64	≤ -22.56	PASS
			1000~26500	-2.56	-47.11	≤ -22.56	PASS
		2462	Reference	-3.52	-3.52	---	PASS
			30~1000	-3.52	-60.03	≤ -23.52	PASS
			1000~26500	-3.52	-47.42	≤ -23.52	PASS
11N40SISO	Ant1	2422	Reference	-1.41	-1.41	---	PASS
			30~1000	-1.41	-60.6	≤ -21.41	PASS
			1000~26500	-1.41	-47.69	≤ -21.41	PASS
		2437	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-60.09	≤ -20.23	PASS
			1000~26500	-0.23	-47.61	≤ -20.23	PASS
		2452	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-59.76	≤ -18	PASS
			1000~26500	2.00	-47.67	≤ -18	PASS

Test Graphs

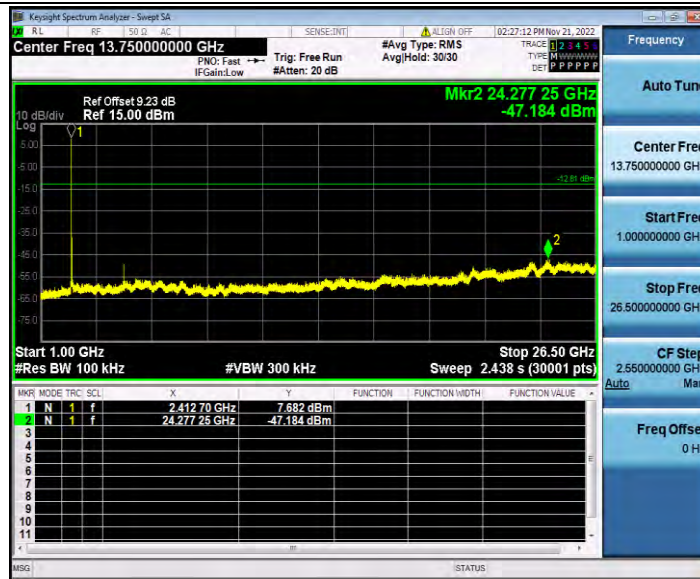
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



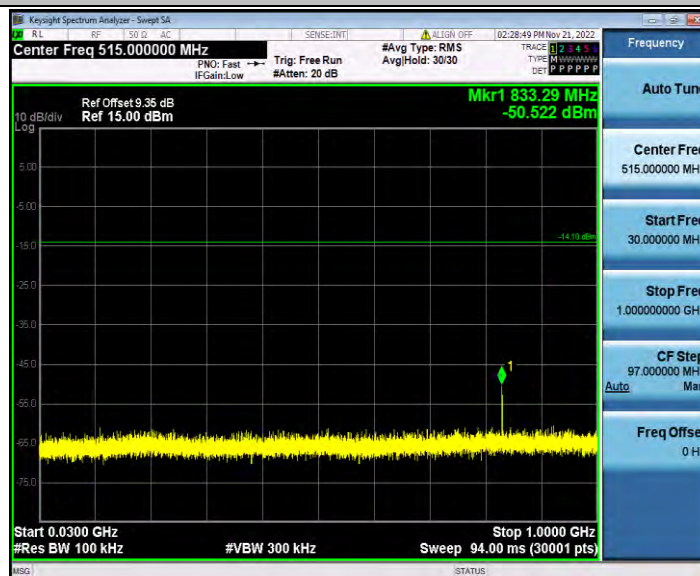
11B_Ant1_2412_1000~26500



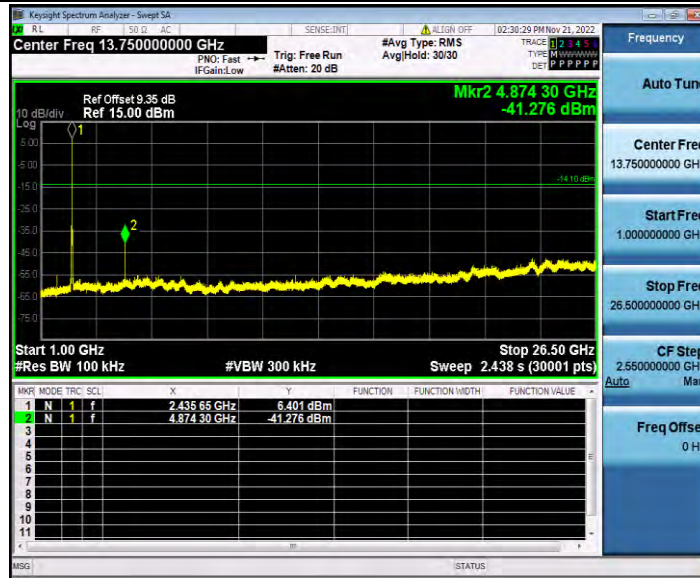
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



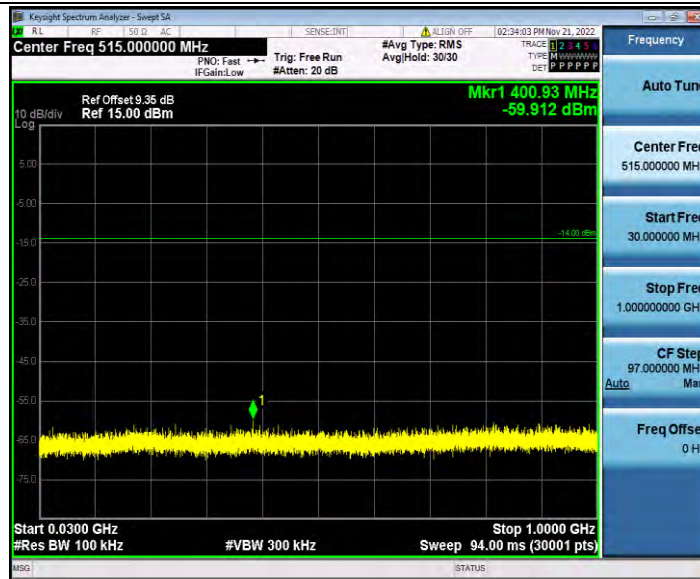
11B_Ant1_2437_1000~26500



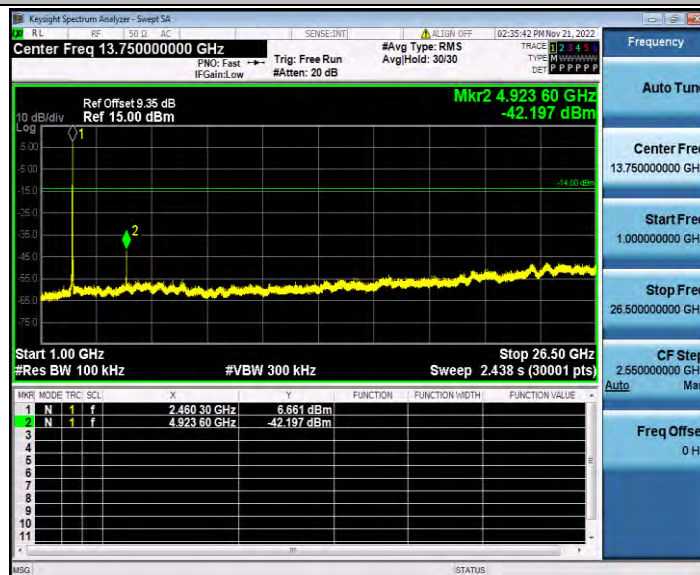
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



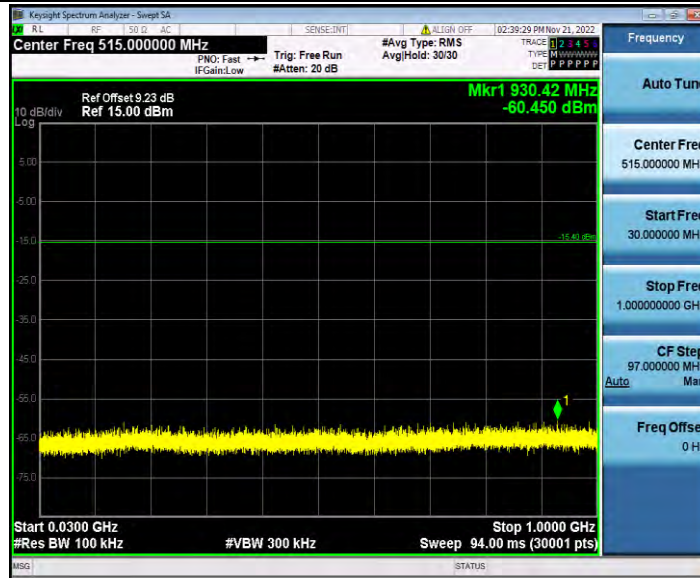
11B_Ant1_2462_1000~26500



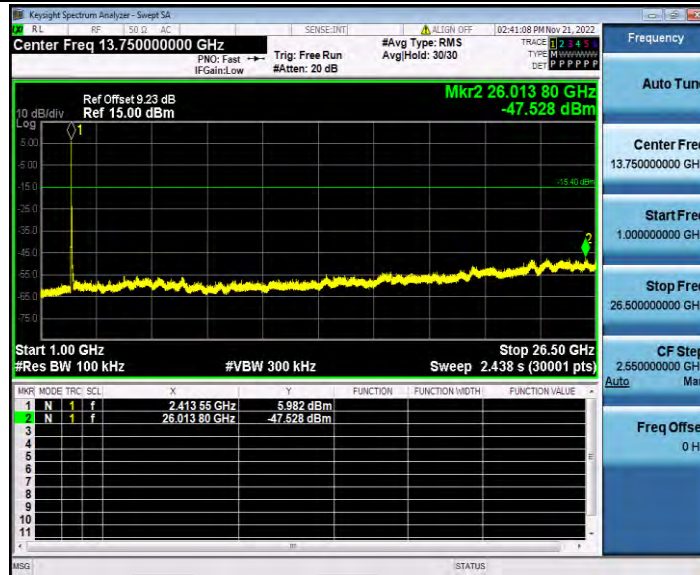
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



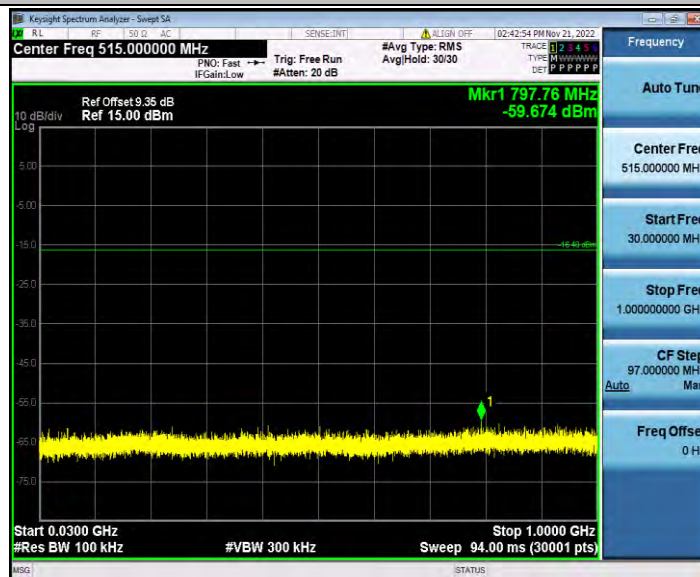
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



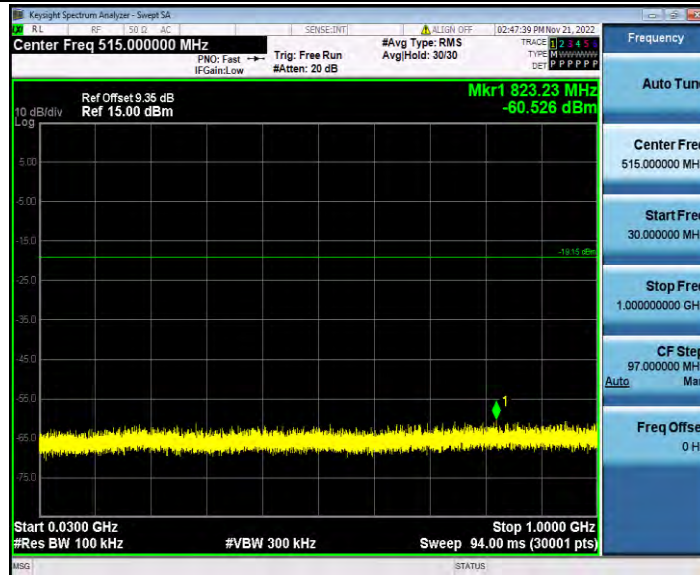
11G_Ant1_2437_1000~26500



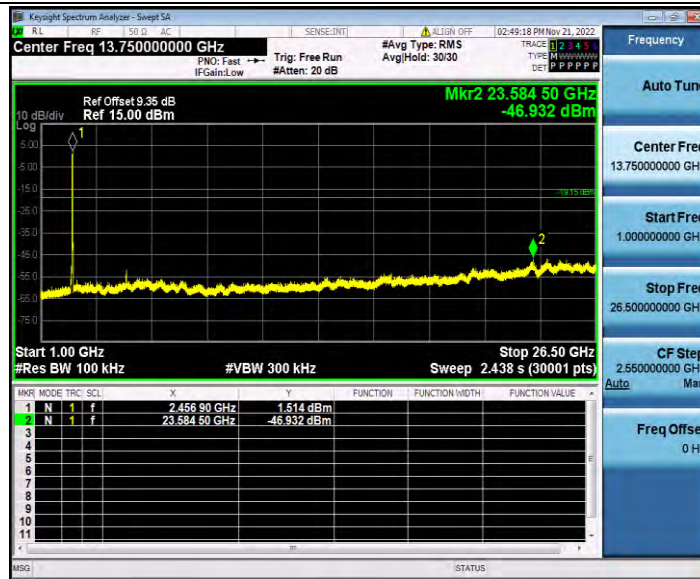
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



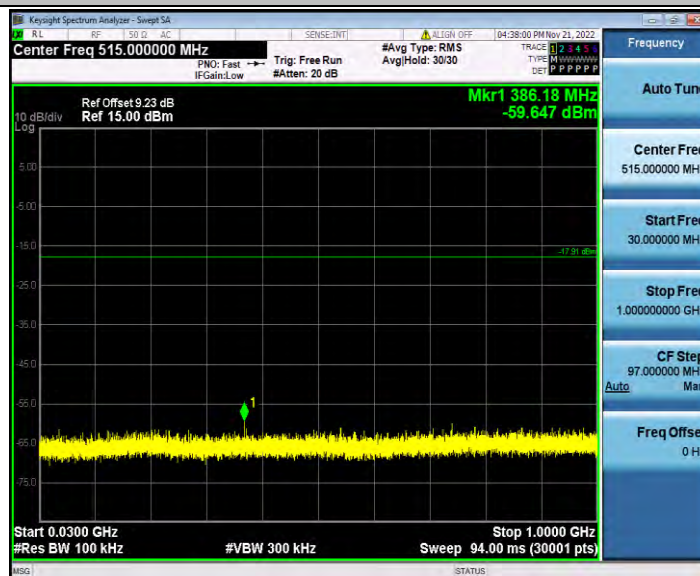
11G_Ant1_2462_1000~26500



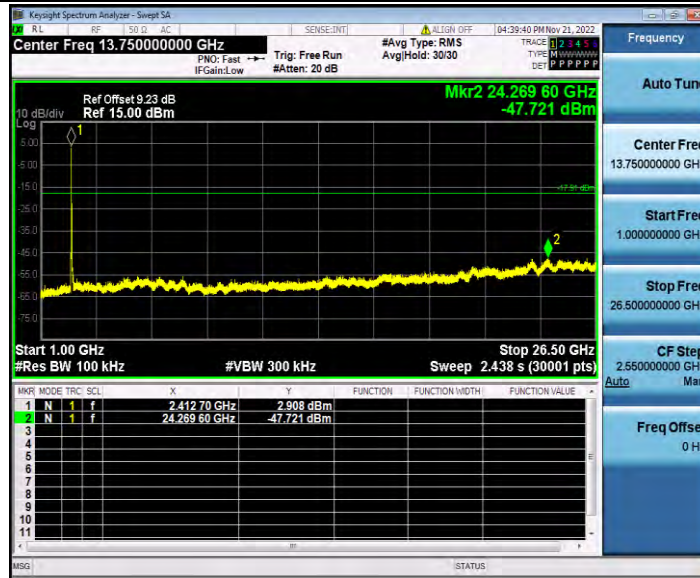
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



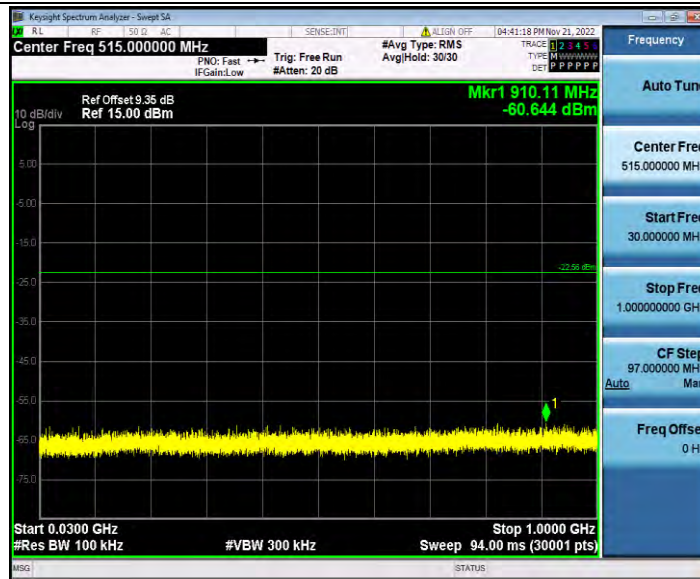
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



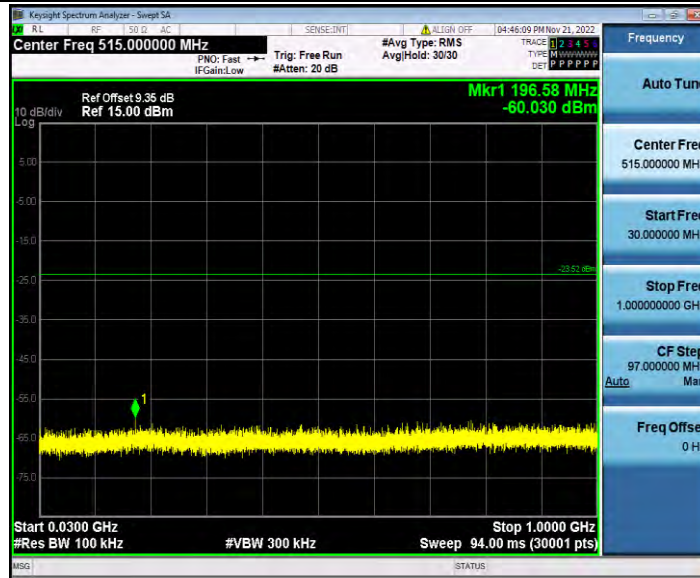
11N20SISO_Ant1_2437_1000~26500



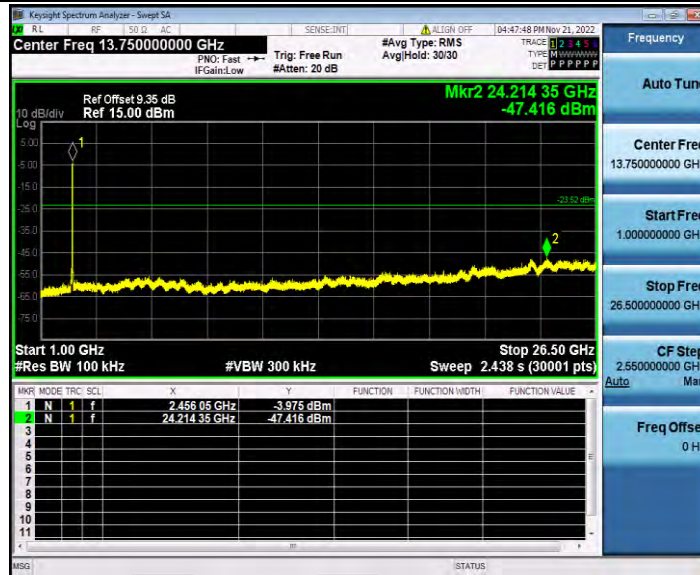
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



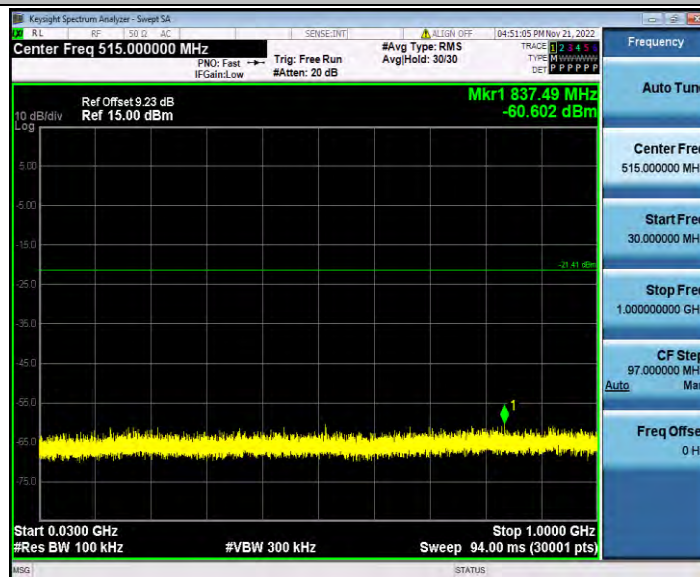
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



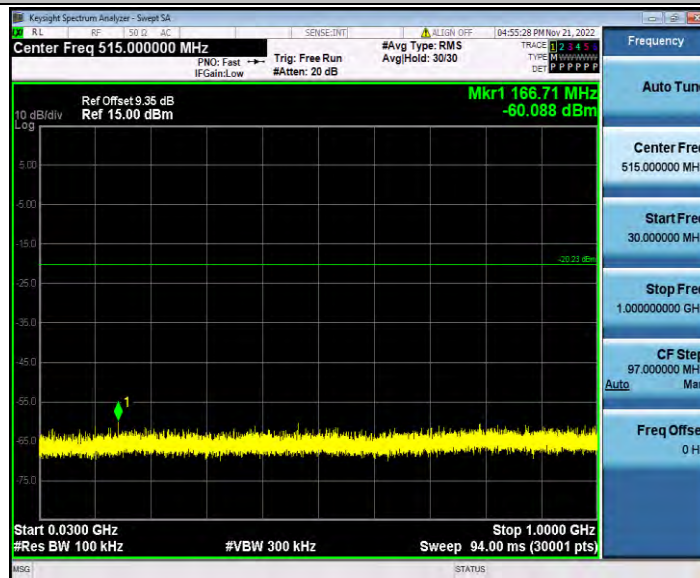
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



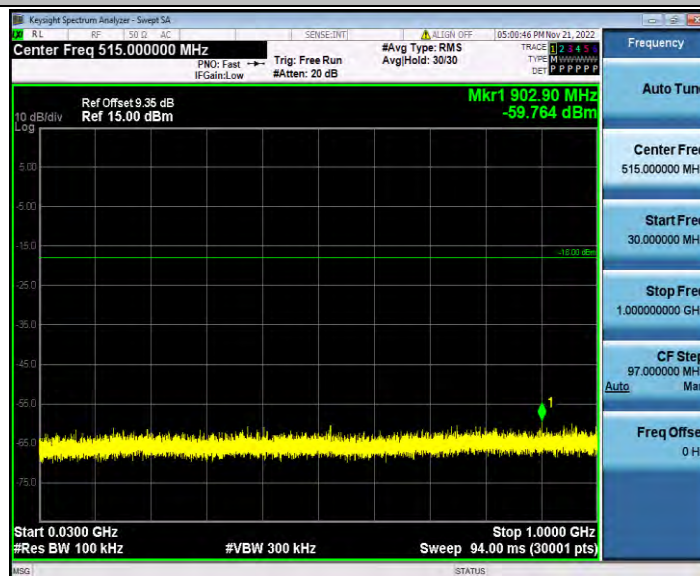
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

