

Case No. : <u>GTS20221012010-1-16</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.21</u>	Test Engineer: <u>Jenny zeng</u>

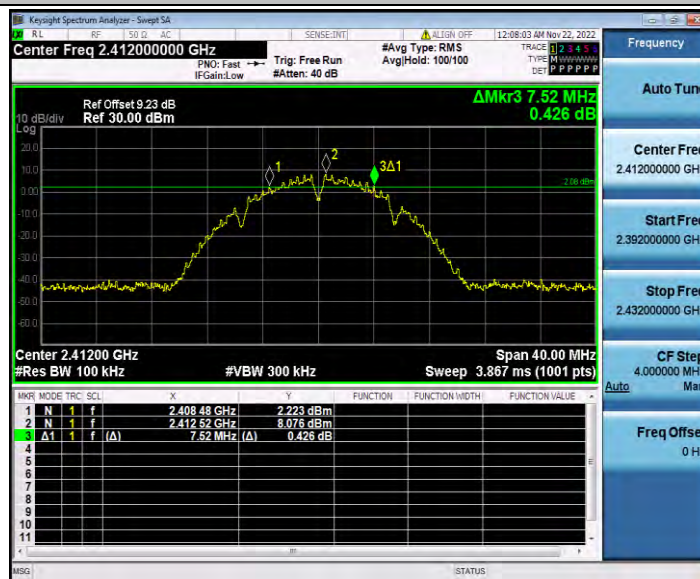
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.520	2408.480	2416.000	0.5	PASS
		2437	8.520	2433.480	2442.000	0.5	PASS
		2462	8.120	2457.440	2465.560	0.5	PASS
11G	Ant1	2412	13.120	2406.120	2419.240	0.5	PASS
		2437	13.920	2431.360	2445.280	0.5	PASS
		2462	16.560	2453.720	2470.280	0.5	PASS
11N20SISO	Ant1	2412	13.760	2405.480	2419.240	0.5	PASS
		2437	13.720	2432.200	2445.920	0.5	PASS
		2462	17.760	2453.080	2470.840	0.5	PASS
11N40SISO	Ant1	2422	20.000	2405.760	2425.760	0.5	PASS
		2437	15.760	2437.640	2453.400	0.5	PASS
		2452	13.520	2442.240	2455.760	0.5	PASS

Test Graphs

11B_Ant1_2412



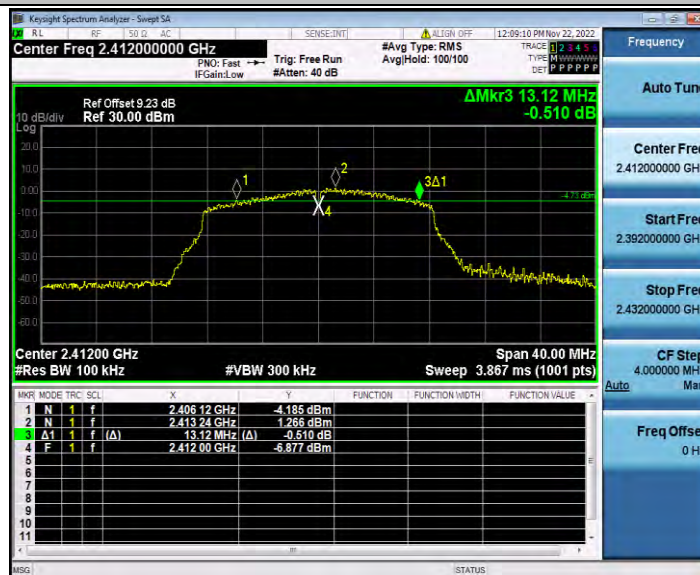
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



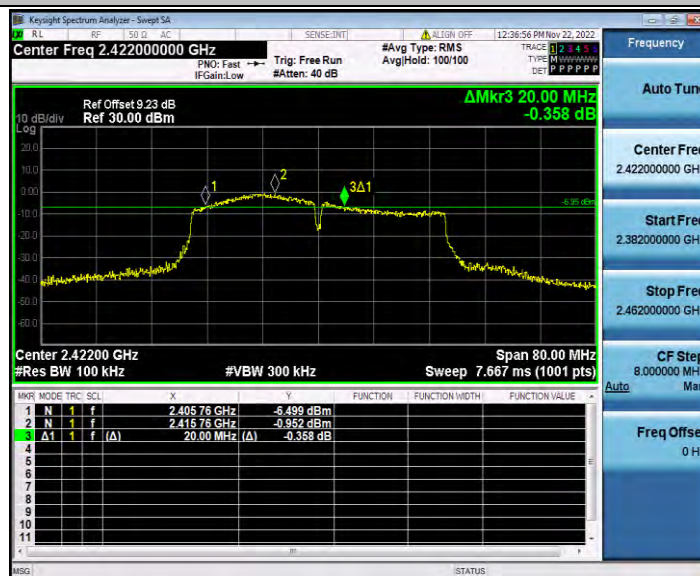
11N20SISO_Ant1_2437



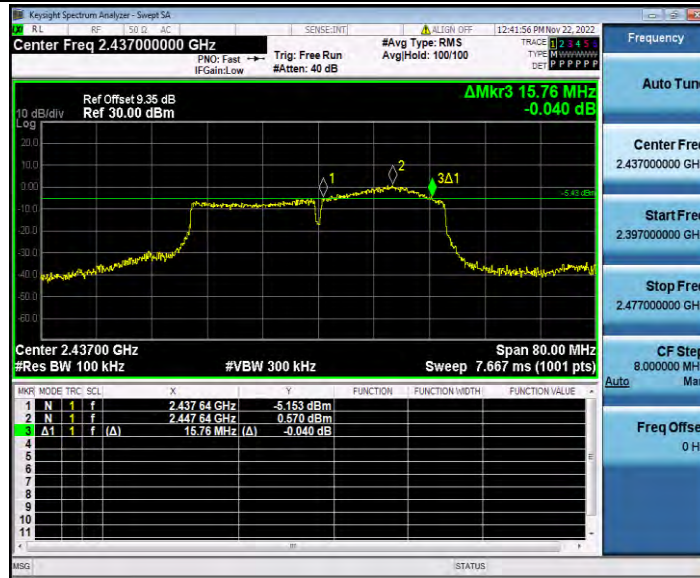
11N20SISO_Ant1_2462



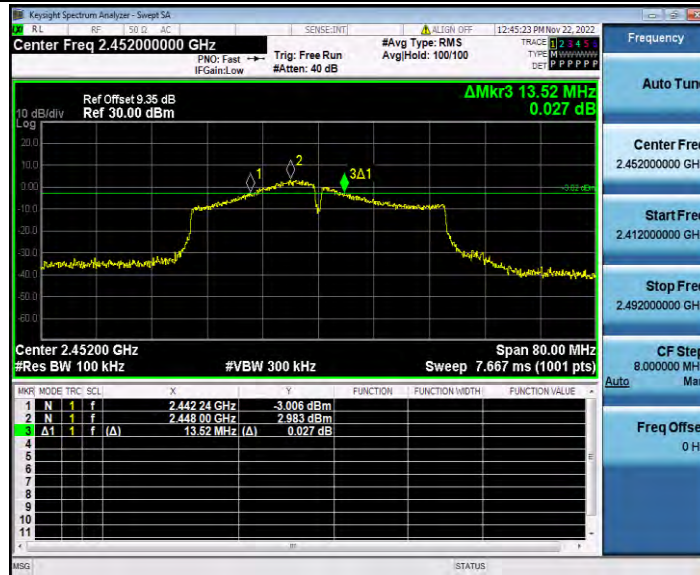
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



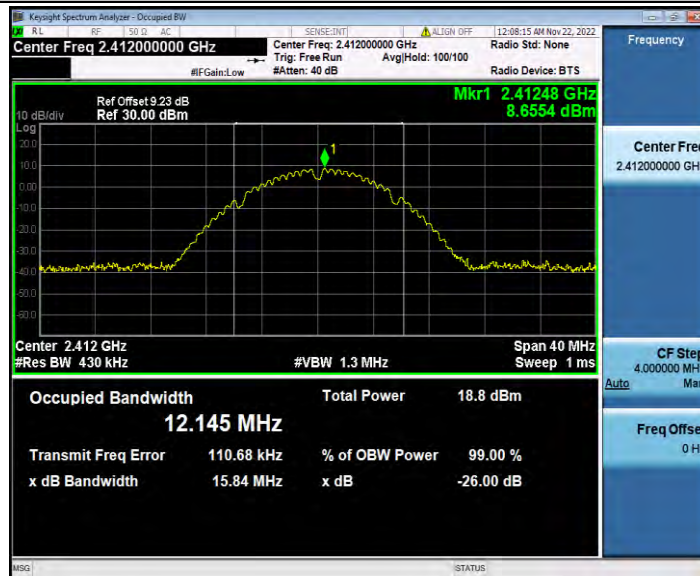
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.145	2406.038	2418.183	---	---
		2437	14.158	2430.532	2444.690	---	---
		2462	14.992	2454.250	2469.242	---	---
11G	Ant1	2412	16.297	2403.908	2420.205	---	---
		2437	17.333	2428.783	2446.116	---	---
		2462	17.421	2453.120	2470.541	---	---
11N20SISO	Ant1	2412	17.291	2403.392	2420.683	---	---
		2437	18.187	2428.286	2446.473	---	---
		2462	18.449	2452.671	2471.120	---	---
11N40SISO	Ant1	2422	35.901	2404.060	2439.961	---	---
		2437	36.135	2418.909	2455.044	---	---
		2452	35.176	2434.584	2469.760	---	---

Test Graphs

11B_Ant1_2412



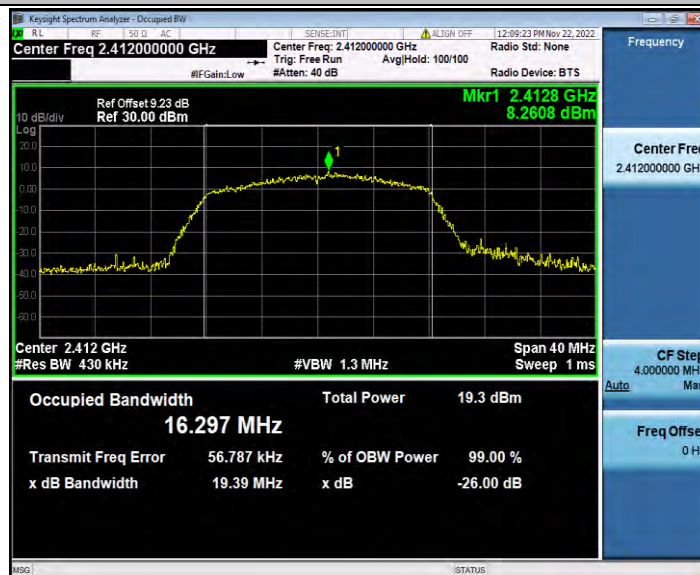
11B_Ant1_2437



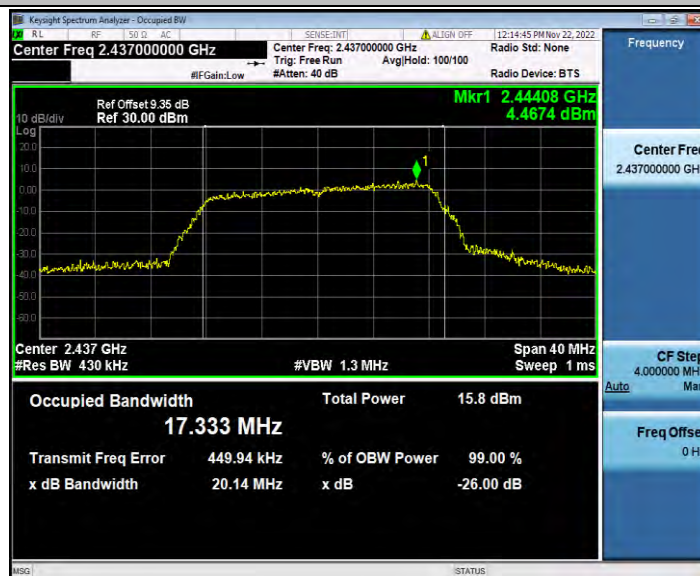
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



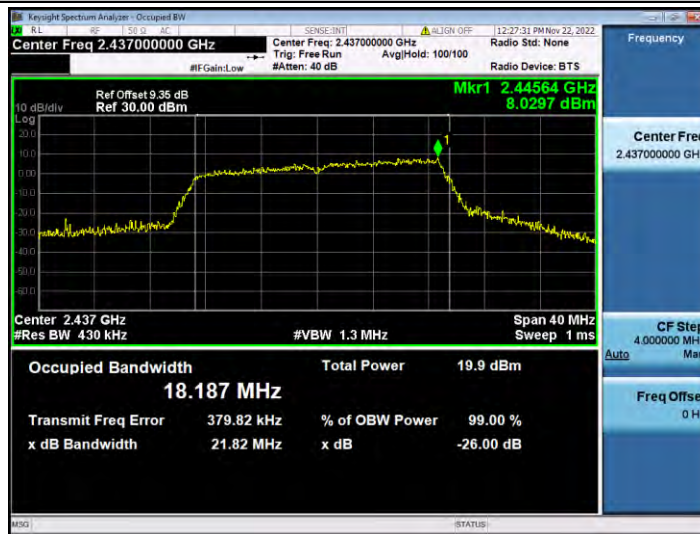
11G_Ant1_2462



11N20SISO_Ant1_2412



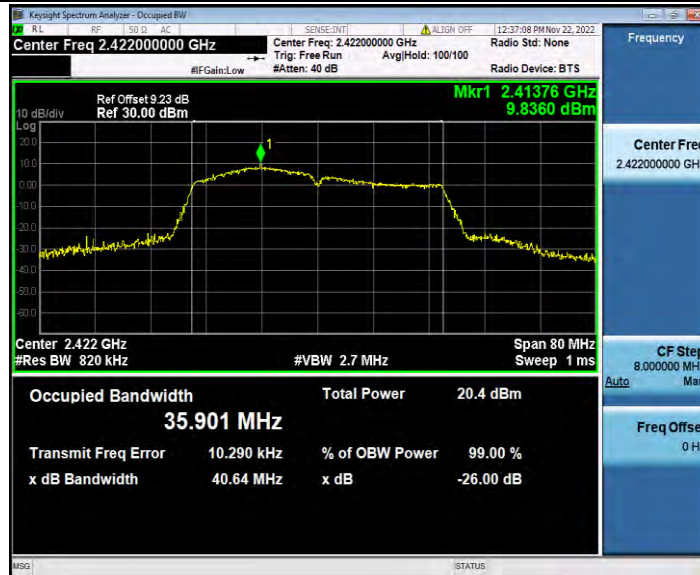
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



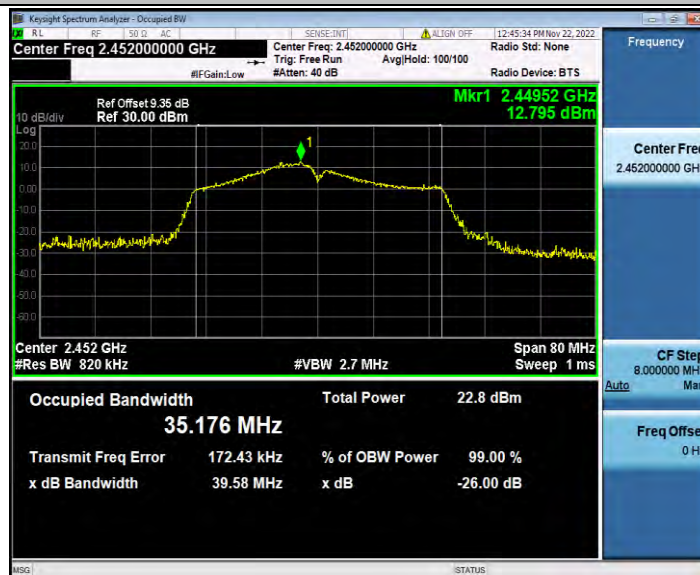
11N40SISO_Ant1_2422



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	18.77	≤30.00	PASS
		2437	18.74	≤30.00	PASS
		2462	18.67	≤30.00	PASS
11G	Ant1	2412	20.45	≤30.00	PASS
		2437	17.01	≤30.00	PASS
		2462	16.79	≤30.00	PASS
11N20SISO	Ant1	2412	20.23	≤30.00	PASS
		2437	21.07	≤30.00	PASS
		2462	20.55	≤30.00	PASS
11N40SISO	Ant1	2422	20.74	≤30.00	PASS
		2437	21.52	≤30.00	PASS
		2452	23.12	≤30.00	PASS

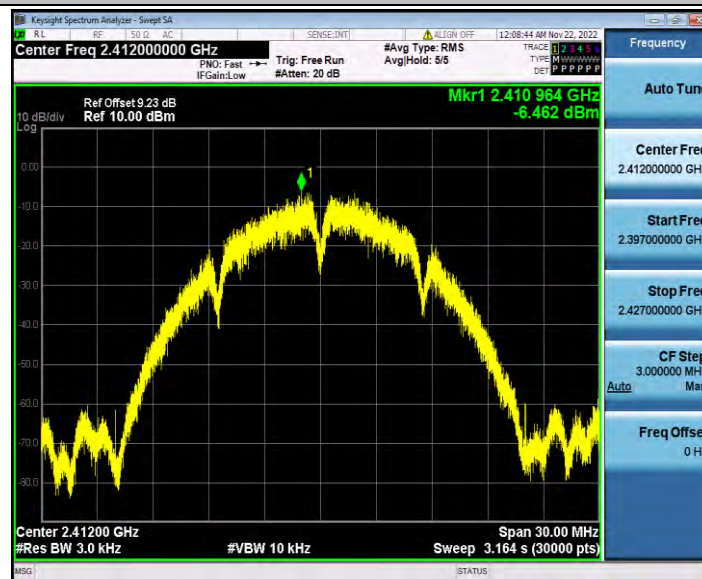
Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.46	≤8.00	PASS
		2437	-7.26	≤8.00	PASS
		2462	-7.06	≤8.00	PASS
11G	Ant1	2412	-9.41	≤8.00	PASS
		2437	-13.68	≤8.00	PASS
		2462	-15.28	≤8.00	PASS
11N20SISO	Ant1	2412	-10.85	≤8.00	PASS
		2437	-9.31	≤8.00	PASS
		2462	-11.38	≤8.00	PASS
11N40SISO	Ant1	2422	-12.06	≤8.00	PASS
		2437	-11.33	≤8.00	PASS
		2452	-8.66	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



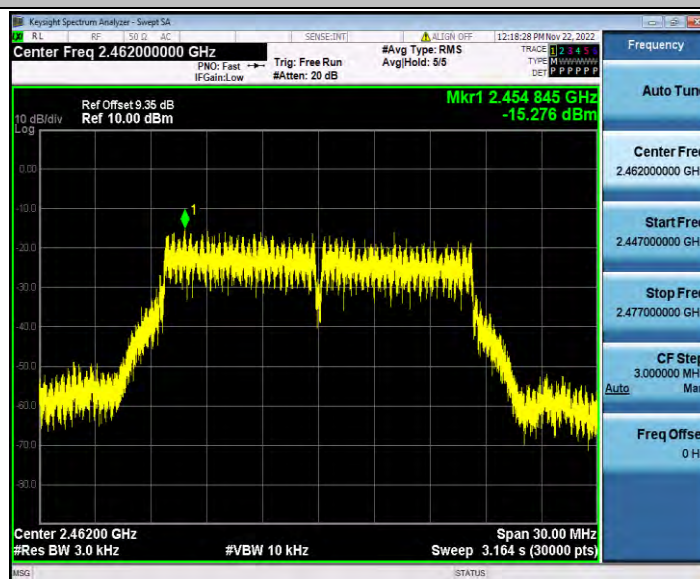
11G_Ant1_2412



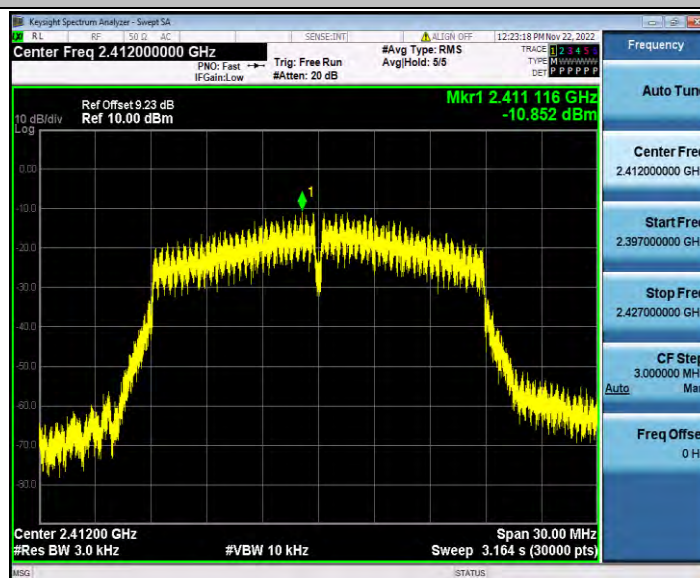
11G_Ant1_2437



11G_Ant1_2462



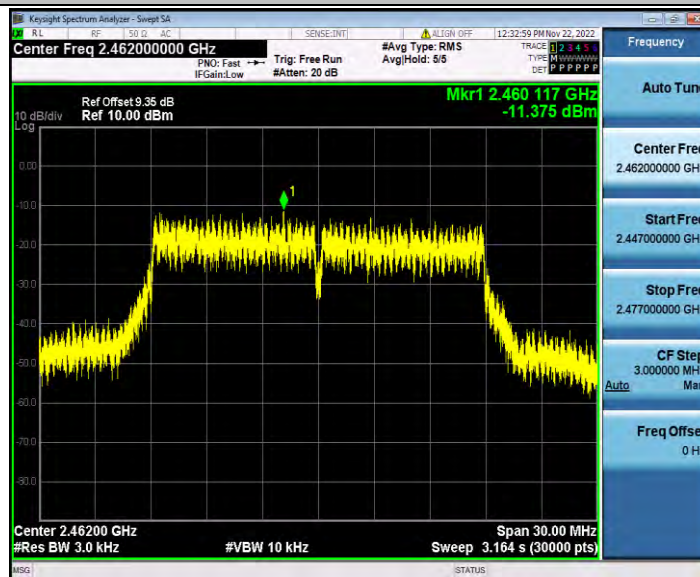
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



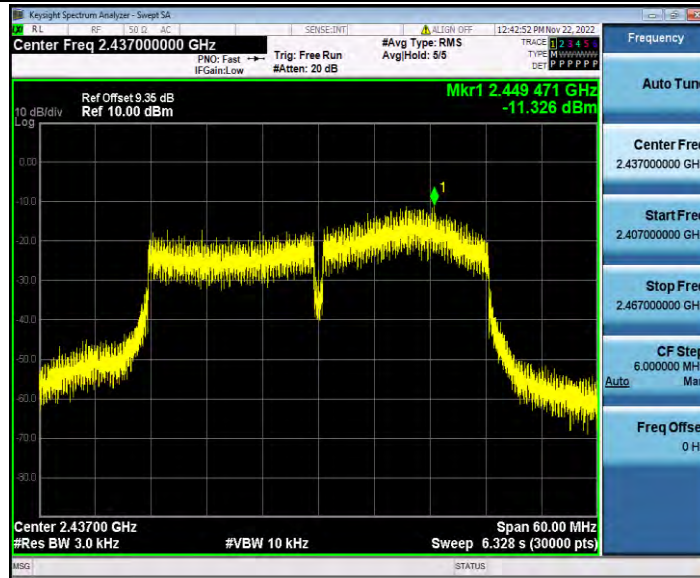
11N20SISO_Ant1_2462



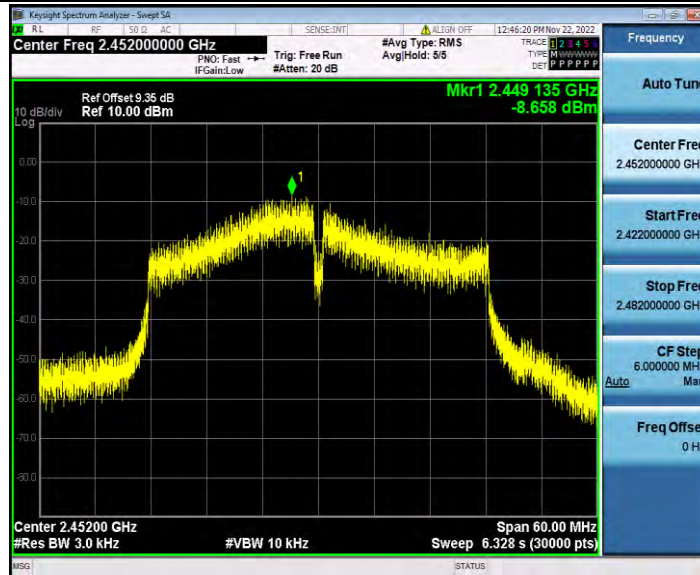
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



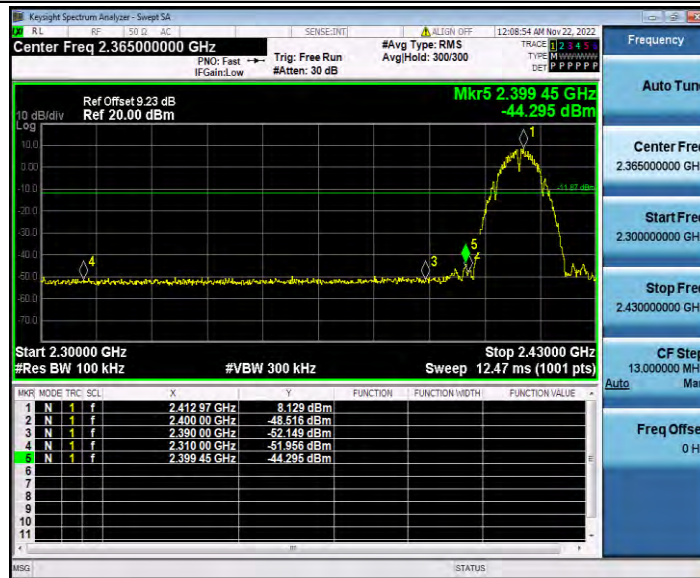
Appendix C.5: Band edge measurements

Test Result

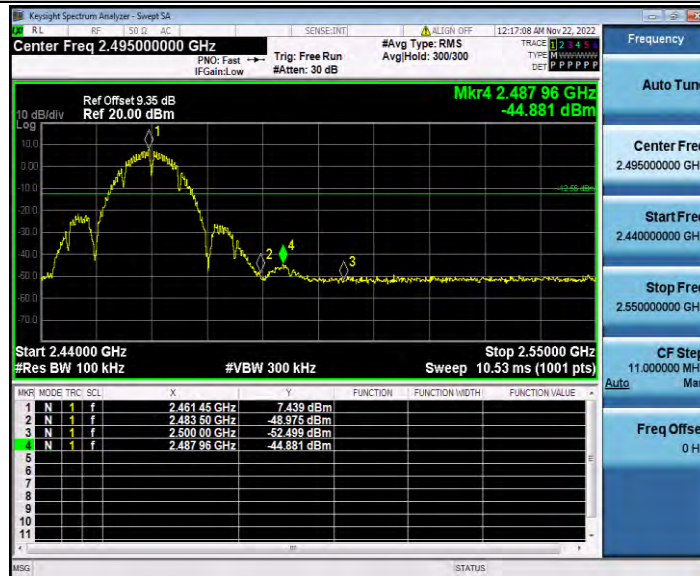
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.13	-44.3	≤-11.87	PASS
		High	2462	7.44	-44.88	≤-12.56	PASS
11G	Ant1	Low	2412	1.56	-40.46	≤-18.44	PASS
		High	2462	-3.44	-48.71	≤-23.44	PASS
11N20SISO	Ant1	Low	2412	1.09	-43.39	≤-18.91	PASS
		High	2462	-0.16	-43.16	≤-20.16	PASS
11N40SISO	Ant1	Low	2422	-0.33	-32.93	≤-20.33	PASS
		High	2452	3.01	-37.86	≤-16.99	PASS

Test Graphs

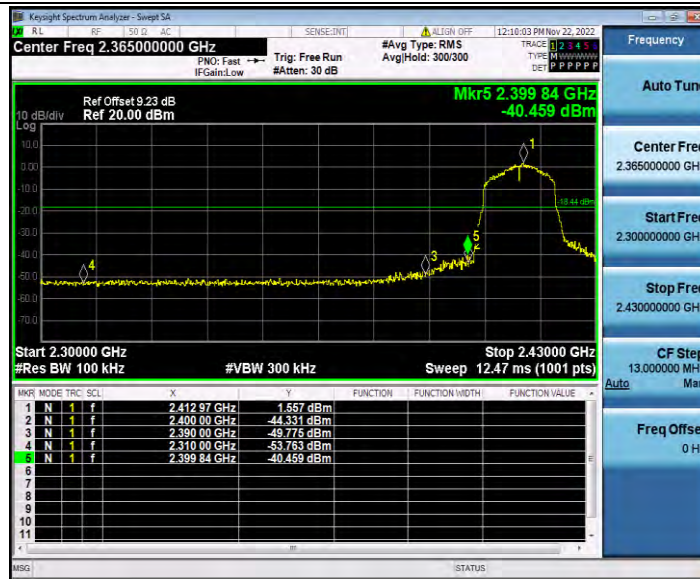
11B_Ant1_Low_2412



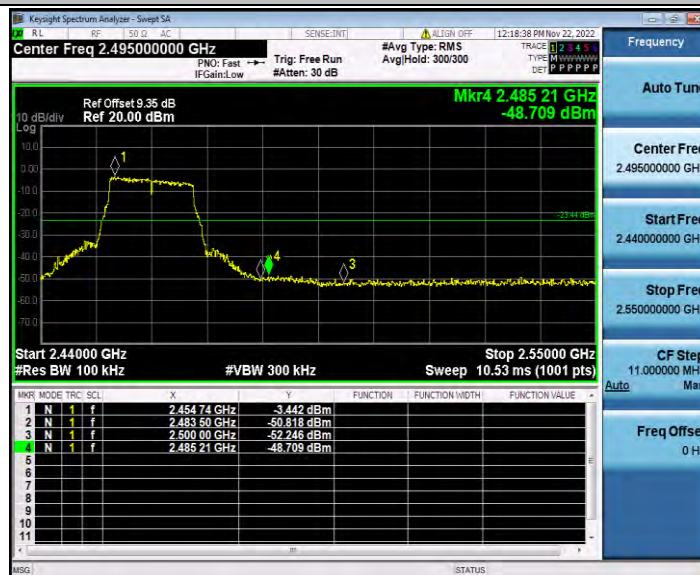
11B_Ant1_High_2462



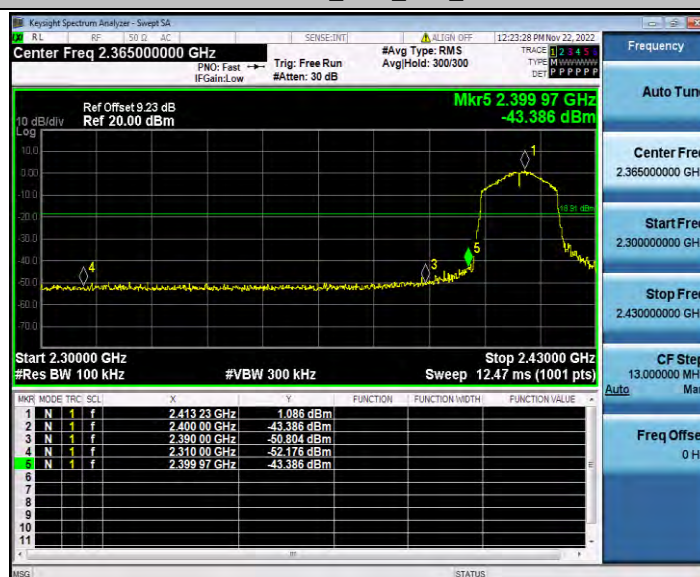
11G_Ant1_Low_2412



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

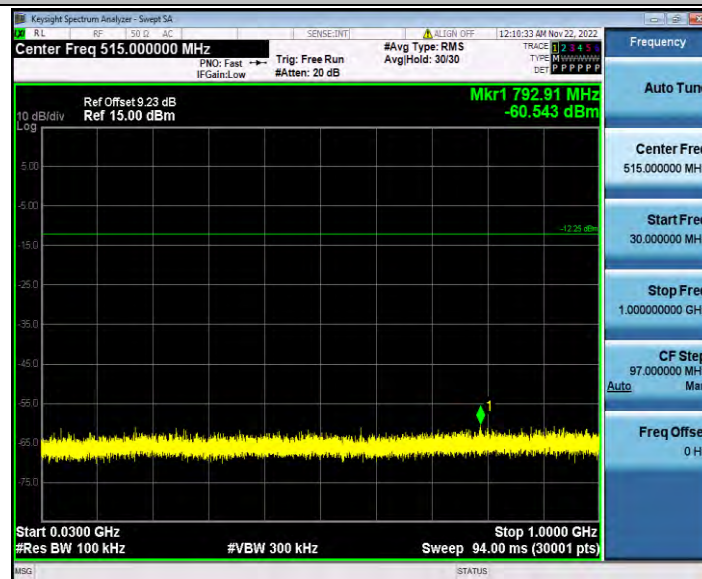
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.75	7.75	---	PASS
			30~1000	7.75	-60.54	≤ -12.25	PASS
			1000~26500	7.75	-47.48	≤ -12.25	PASS
		2437	Reference	6.32	6.32	---	PASS
			30~1000	6.32	-59.52	≤ -13.68	PASS
			1000~26500	6.32	-41.32	≤ -13.68	PASS
		2462	Reference	5.11	5.11	---	PASS
			30~1000	5.11	-59.74	≤ -14.89	PASS
			1000~26500	5.11	-42.52	≤ -14.89	PASS
11G	Ant1	2412	Reference	0.40	0.40	---	PASS
			30~1000	0.40	-59.53	≤ -19.6	PASS
			1000~26500	0.40	-47.93	≤ -19.6	PASS
		2437	Reference	-2.67	-2.67	---	PASS
			30~1000	-2.67	-59.46	≤ -22.67	PASS
			1000~26500	-2.67	-48.37	≤ -22.67	PASS
		2462	Reference	-4.18	-4.18	---	PASS
			30~1000	-4.18	-59.89	≤ -24.18	PASS
			1000~26500	-4.18	-47.78	≤ -24.18	PASS
11N20SISO	Ant1	2412	Reference	0.49	0.49	---	PASS
			30~1000	0.49	-60.41	≤ -19.51	PASS
			1000~26500	0.49	-47.79	≤ -19.51	PASS
		2437	Reference	1.04	1.04	---	PASS
			30~1000	1.04	-60.68	≤ -18.96	PASS
			1000~26500	1.04	-47.88	≤ -18.96	PASS
		2462	Reference	-1.42	-1.42	---	PASS
			30~1000	-1.42	-60.34	≤ -21.42	PASS
			1000~26500	-1.42	-47.41	≤ -21.42	PASS
11N40SISO	Ant1	2422	Reference	-1.25	-1.25	---	PASS
			30~1000	-1.25	-60.82	≤ -21.25	PASS
			1000~26500	-1.25	-47.19	≤ -21.25	PASS
		2437	Reference	-0.25	-0.25	---	PASS
			30~1000	-0.25	-59.52	≤ -20.25	PASS
			1000~26500	-0.25	-47.52	≤ -20.25	PASS
		2452	Reference	2.31	2.31	---	PASS
			30~1000	2.31	-59.68	≤ -17.69	PASS
			1000~26500	2.31	-47.36	≤ -17.69	PASS

Test Graphs

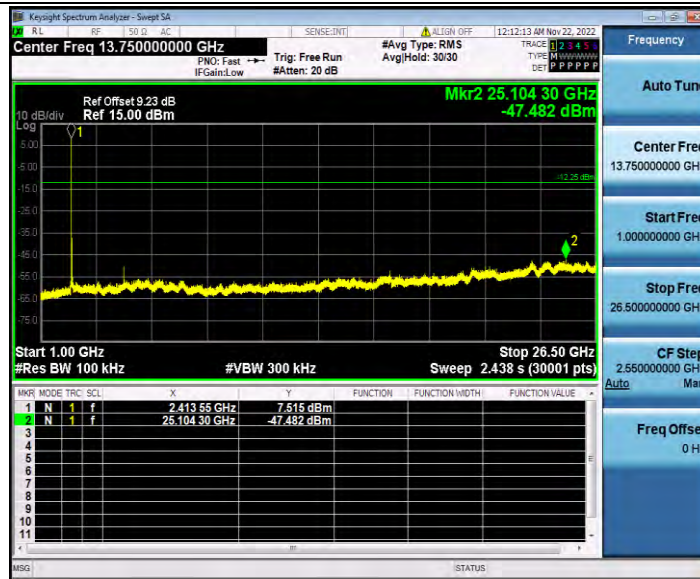
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



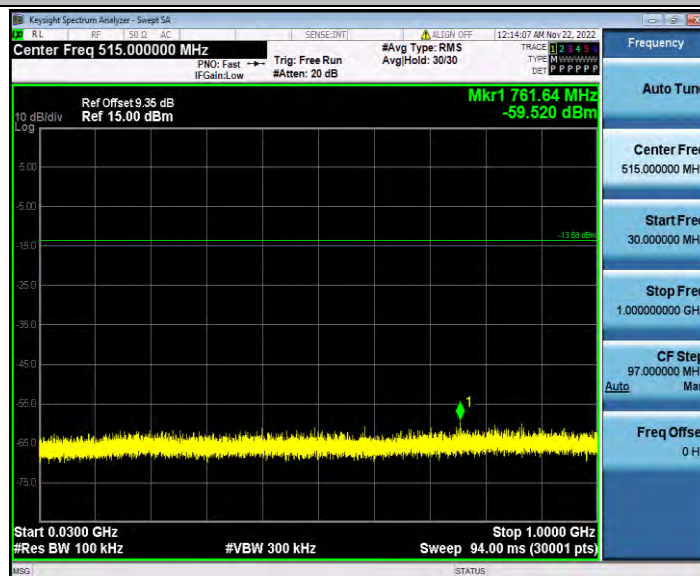
11B_Ant1_2412_1000~26500



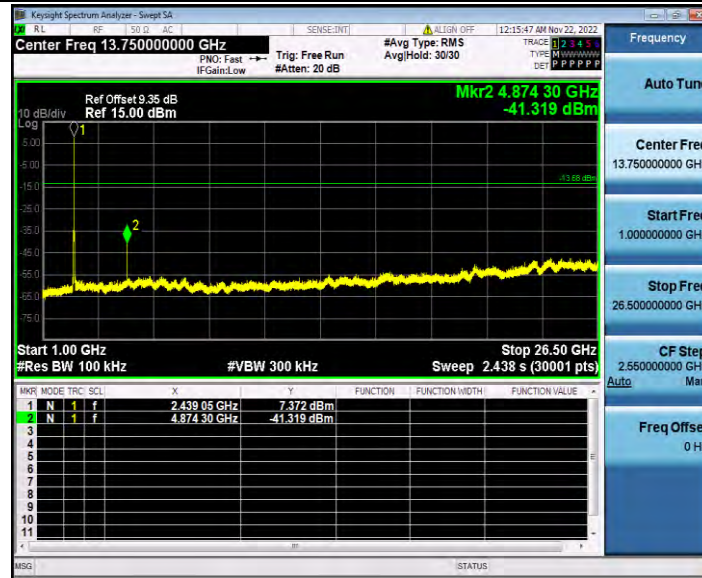
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



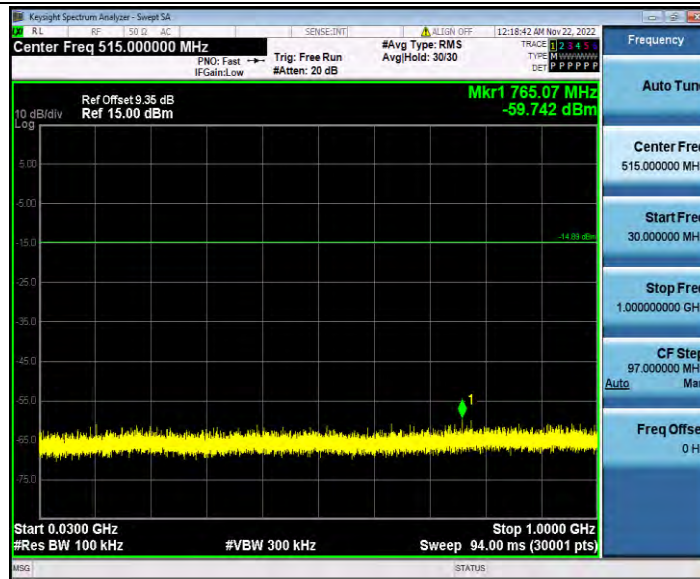
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



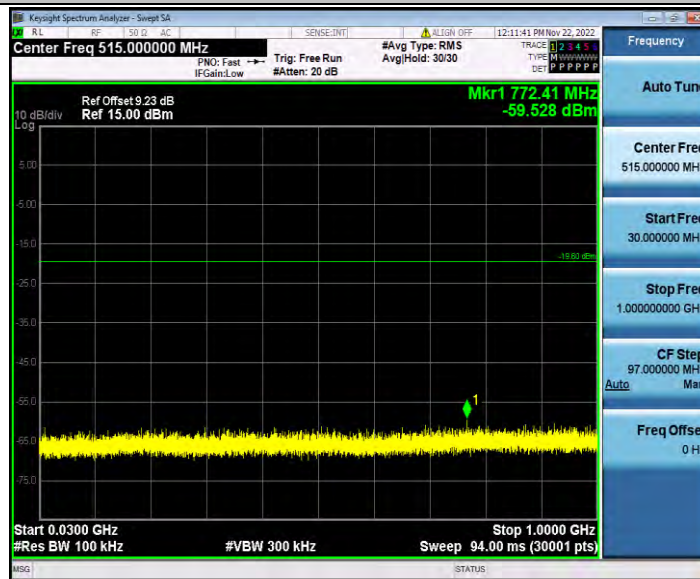
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



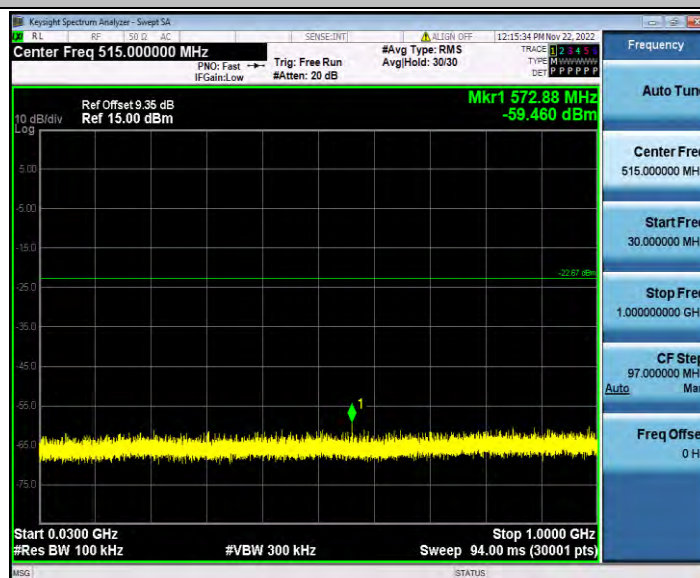
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



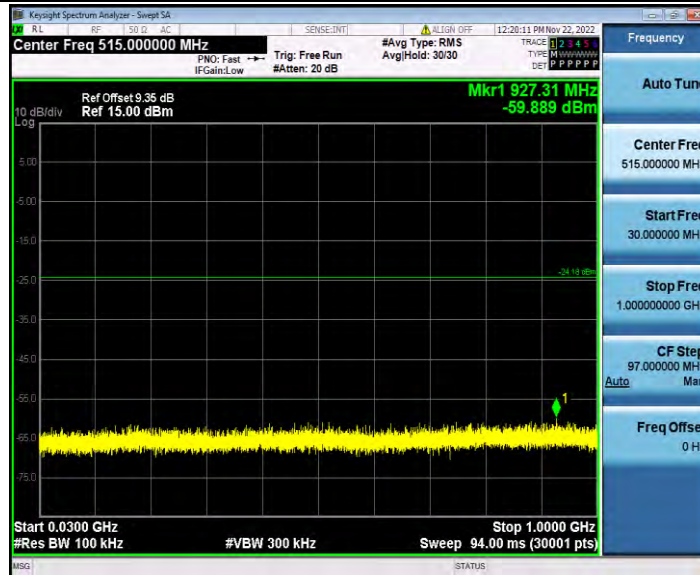
11G_Ant1_2437_0~Reference



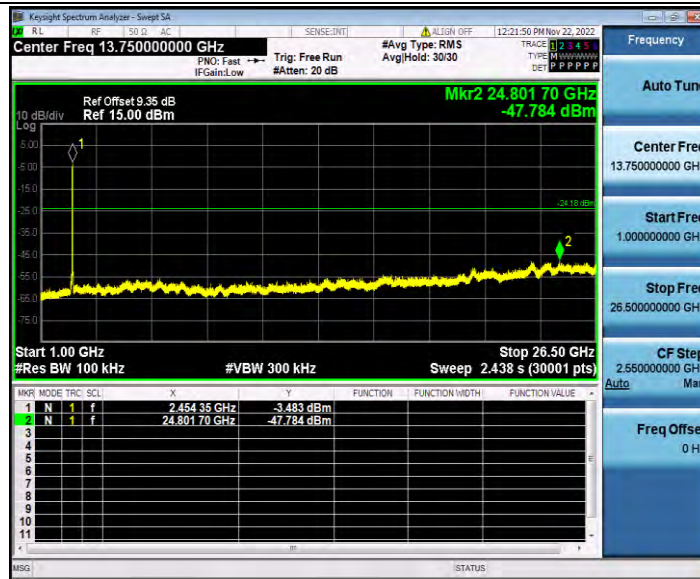
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



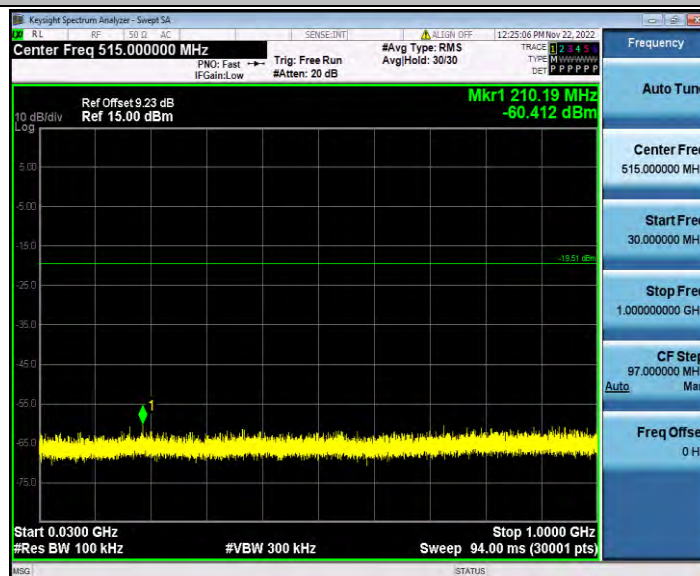
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



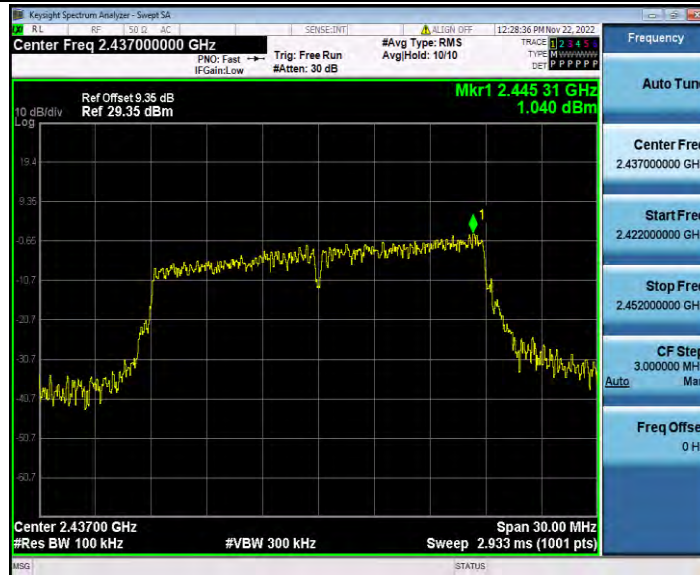
11N20SISO_Ant1_2412_30~1000



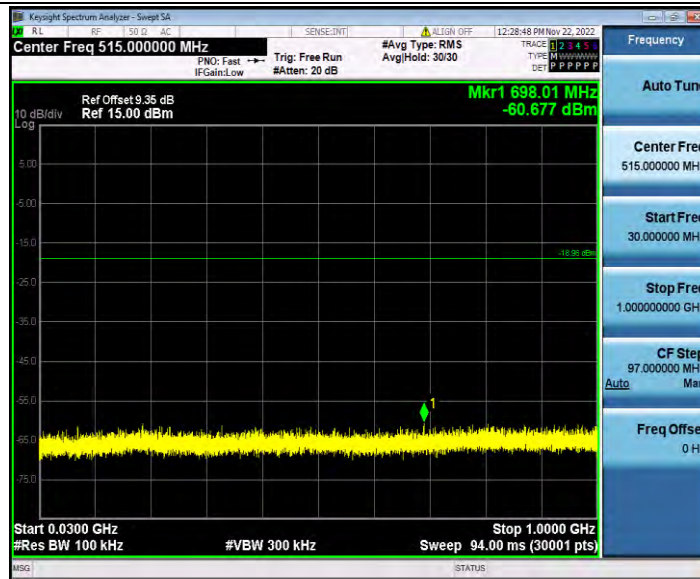
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



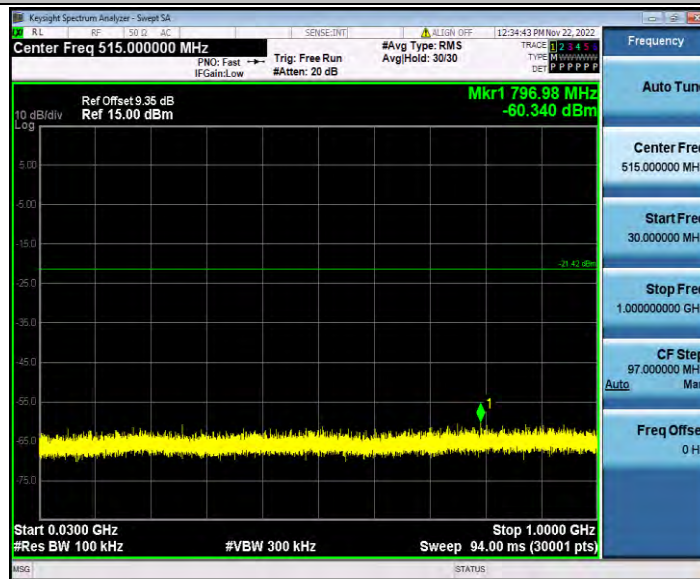
11N20SISO_Ant1_2437_1000~26500



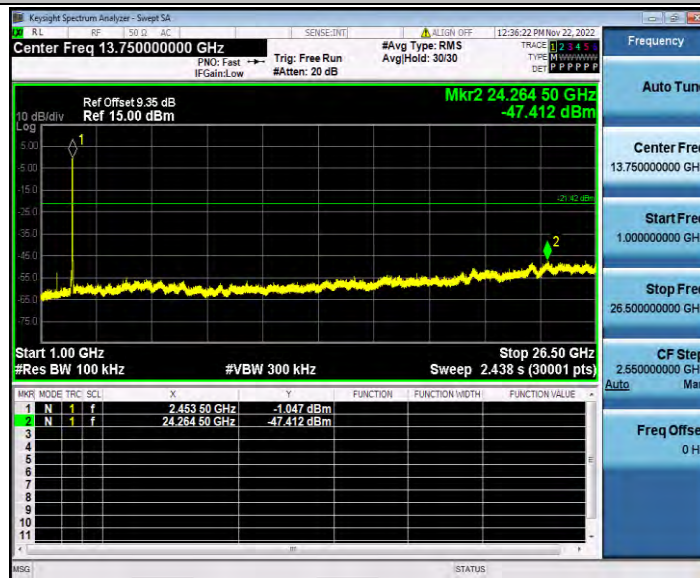
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



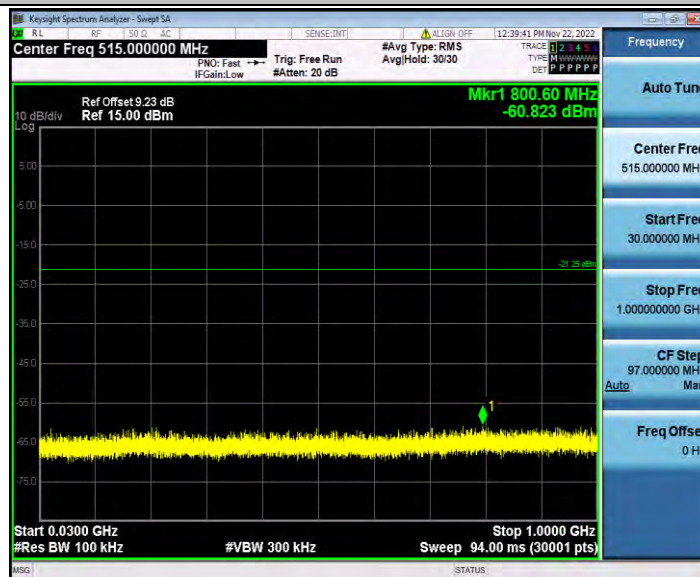
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



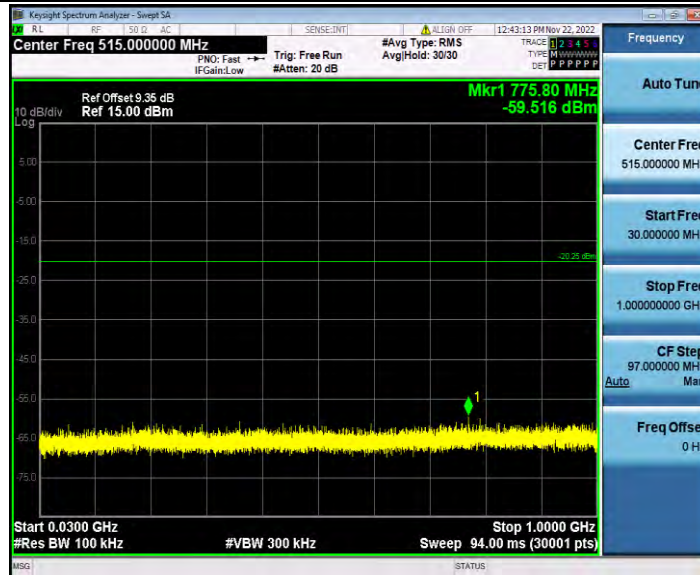
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



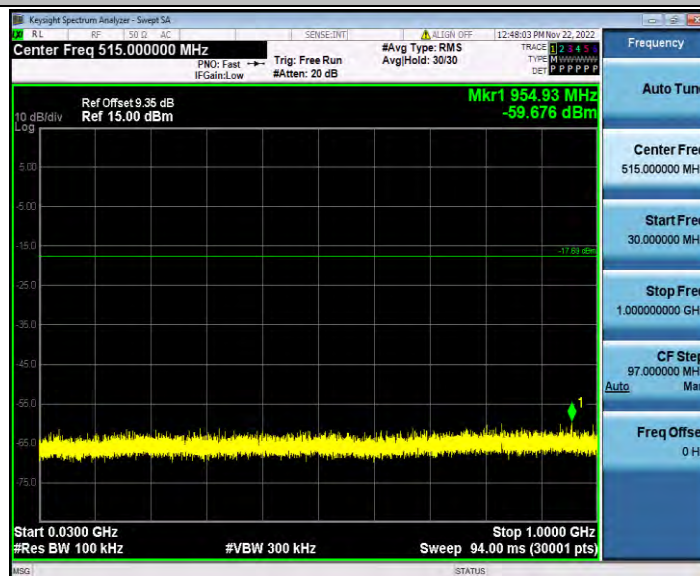
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

