

Case No. : <u>GTS20230105004-1-3</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.28</u>	Test Engineer: <u>Jenny zeng</u>

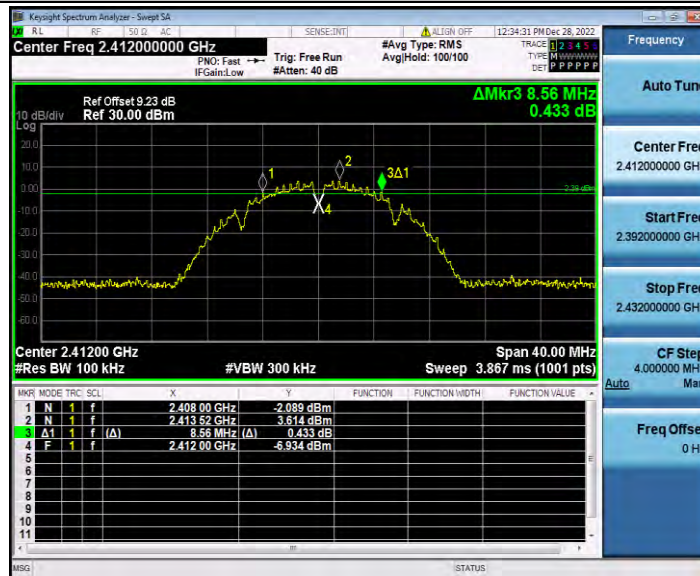
Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	8.560	2408.000	2416.560	0.5	PASS
		2437	8.080	2433.440	2441.520	0.5	PASS
		2462	8.040	2458.000	2466.040	0.5	PASS
11G	Ant2	2412	16.440	2403.840	2420.280	0.5	PASS
		2437	16.360	2428.880	2445.240	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant2	2412	17.560	2403.280	2420.840	0.5	PASS
		2437	17.560	2428.240	2445.800	0.5	PASS
		2462	17.600	2453.240	2470.840	0.5	PASS
11N40SISO	Ant2	2422	34.080	2406.160	2440.240	0.5	PASS
		2437	35.680	2419.480	2455.160	0.5	PASS
		2452	36.000	2434.160	2470.160	0.5	PASS

Test Graphs

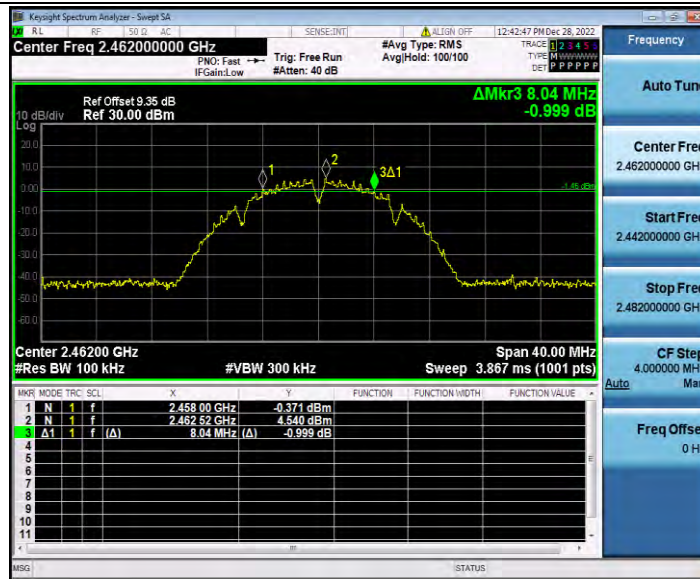
11B_Ant2_2412



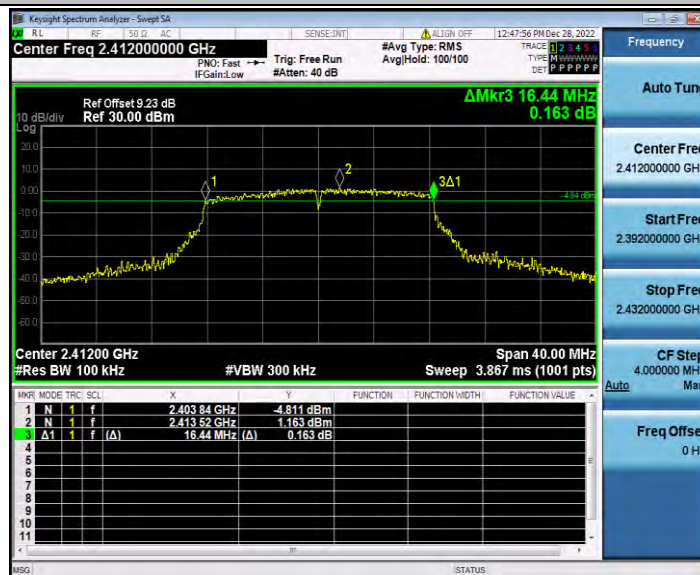
11B_Ant2_2437



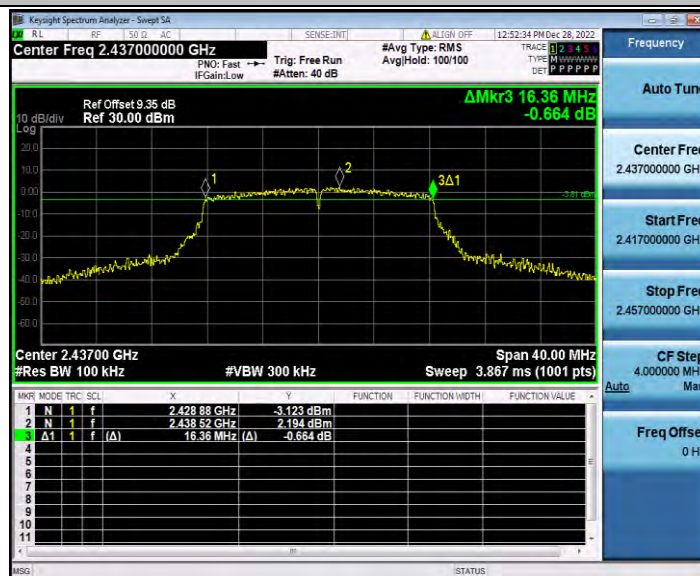
11B_Ant2_2462



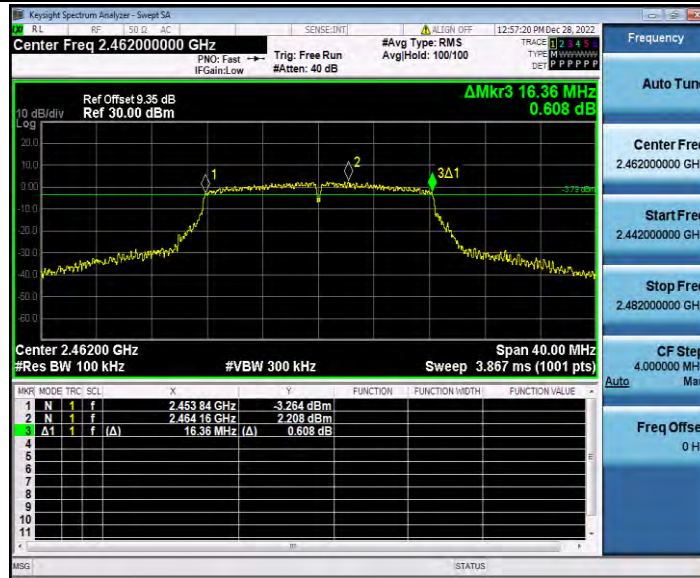
11G_Ant2_2412



11G_Ant2_2437



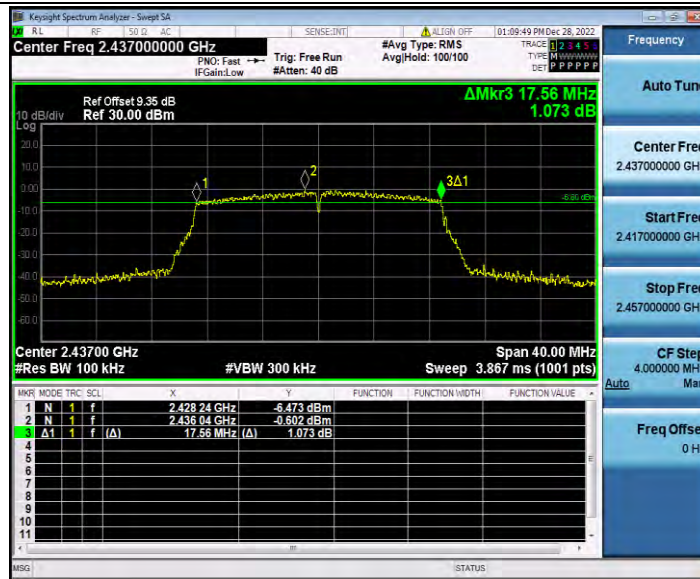
11G_Ant2_2462



11N20SISO_Ant2_2412



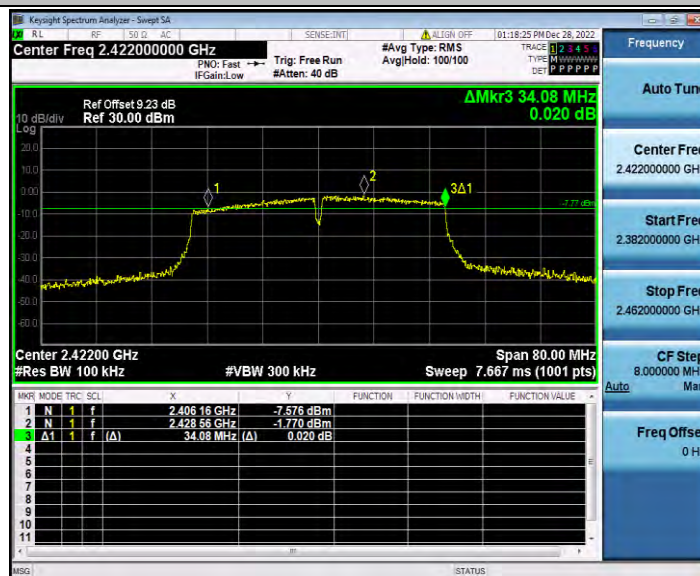
11N20SISO_Ant2_2437



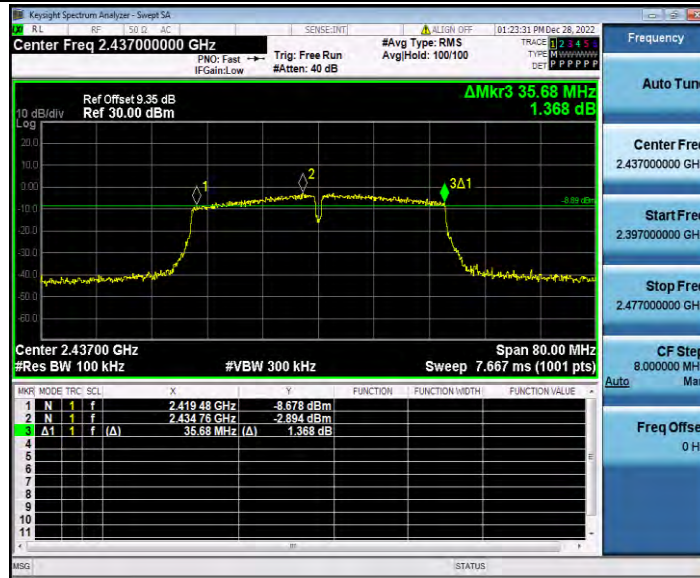
11N20SISO_Ant2_2462



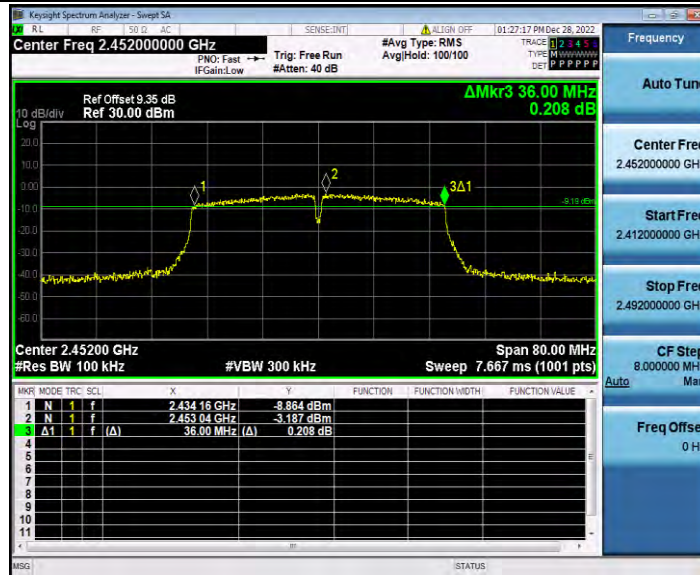
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



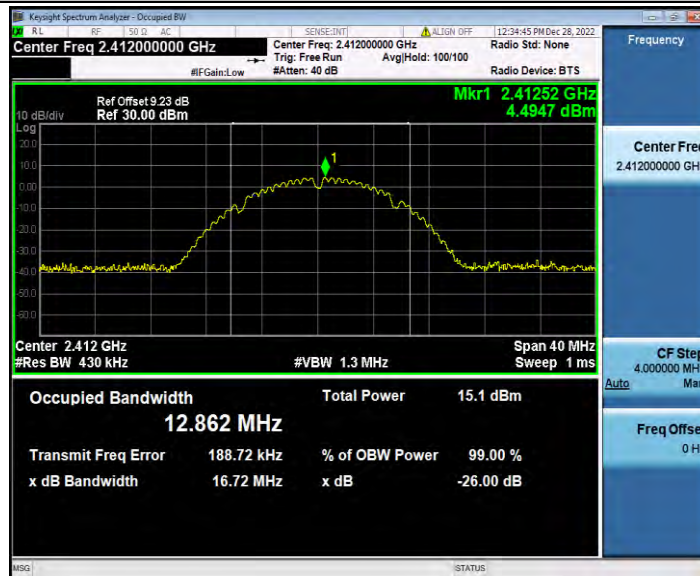
Appendix C.2: Occupied Channel Bandwidth

Test Result

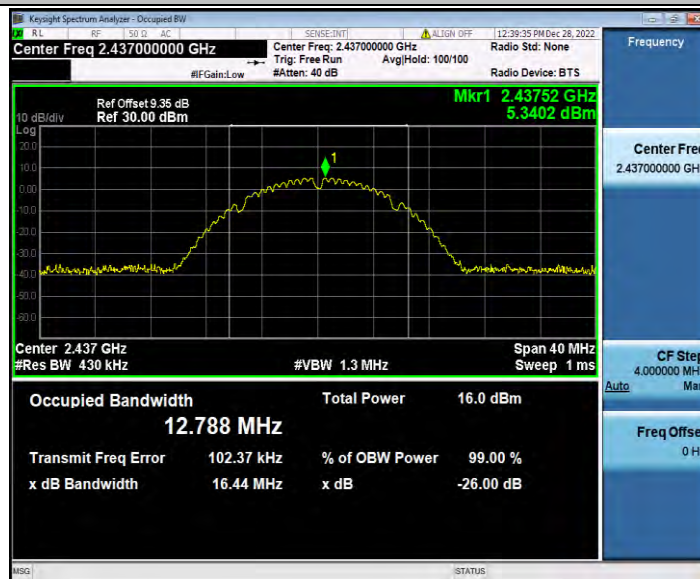
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.862	2405.758	2418.620	---	---
		2437	12.788	2430.708	2443.496	---	---
		2462	12.805	2455.639	2468.444	---	---
11G	Ant2	2412	16.825	2403.756	2420.581	---	---
		2437	16.874	2428.648	2445.522	---	---
		2462	16.816	2453.622	2470.438	---	---
11N20SISO	Ant2	2412	17.838	2403.223	2421.061	---	---
		2437	17.838	2428.170	2446.008	---	---
		2462	17.791	2453.164	2470.955	---	---
11N40SISO	Ant2	2422	36.155	2404.218	2440.373	---	---
		2437	36.161	2419.144	2455.305	---	---
		2452	36.036	2434.096	2470.132	---	---

Test Graphs

11B_Ant2_2412



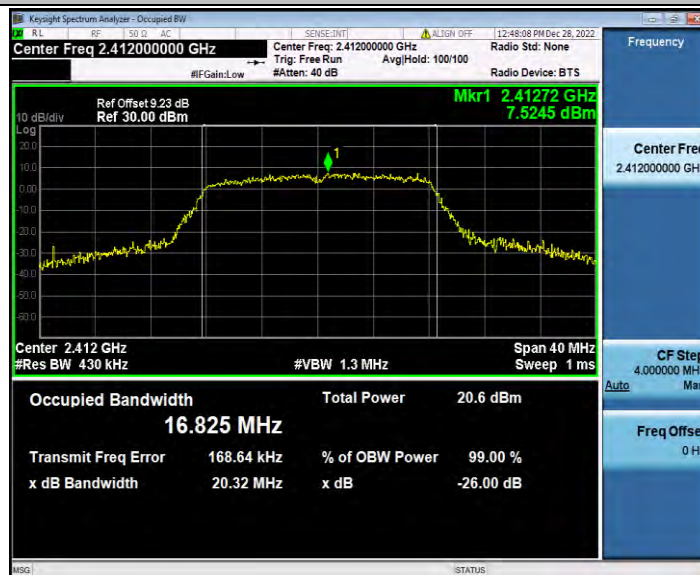
11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



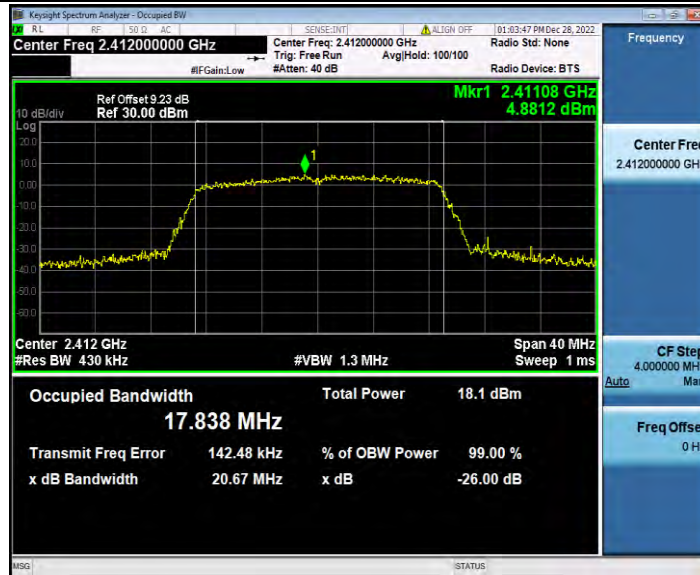
11G_Ant2_2437



11G_Ant2_2462



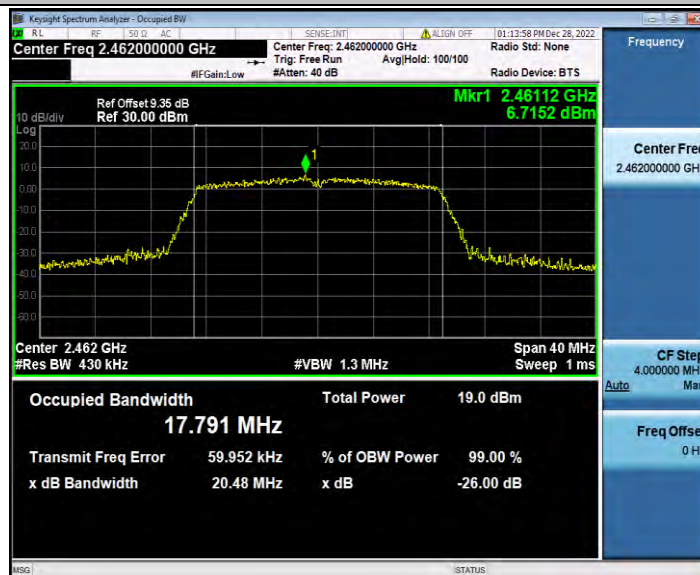
11N20SISO_Ant2_2412



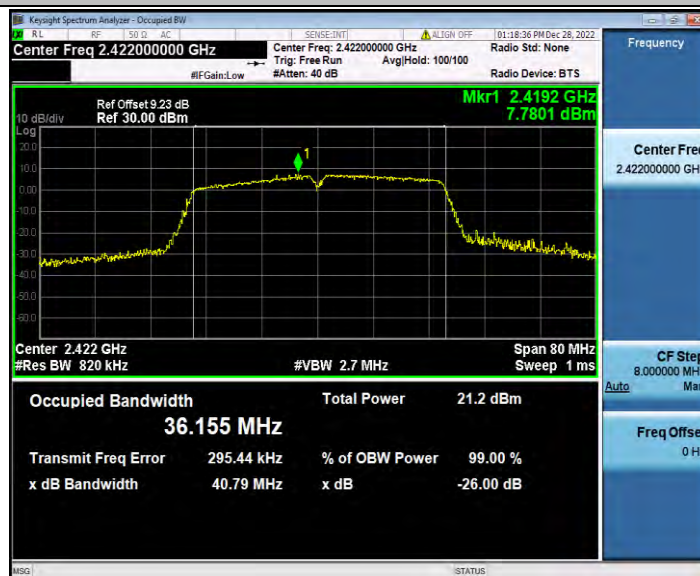
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



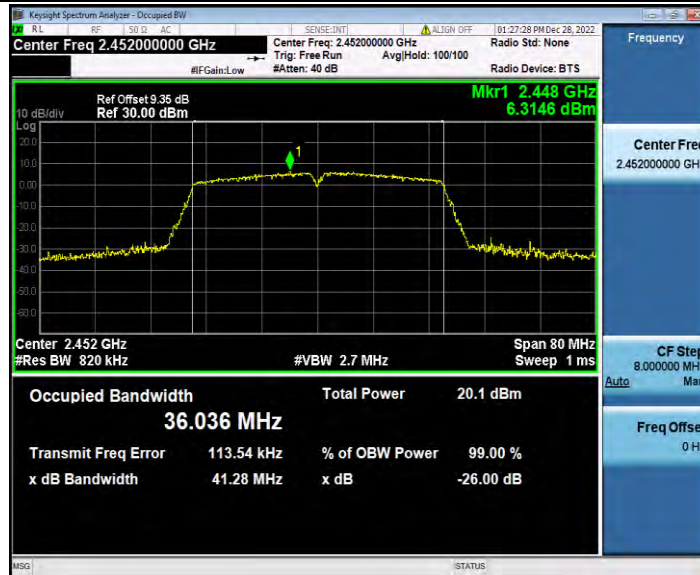
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	15.17	≤30.00	PASS
		2437	16.03	≤30.00	PASS
		2462	16.33	≤30.00	PASS
11G	Ant2	2412	21.72	≤30.00	PASS
		2437	22.48	≤30.00	PASS
		2462	22.86	≤30.00	PASS
11N20SISO	Ant2	2412	19.31	≤30.00	PASS
		2437	19.92	≤30.00	PASS
		2462	20.10	≤30.00	PASS
11N40SISO	Ant2	2422	21.48	≤30.00	PASS
		2437	20.31	≤30.00	PASS
		2452	20.52	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

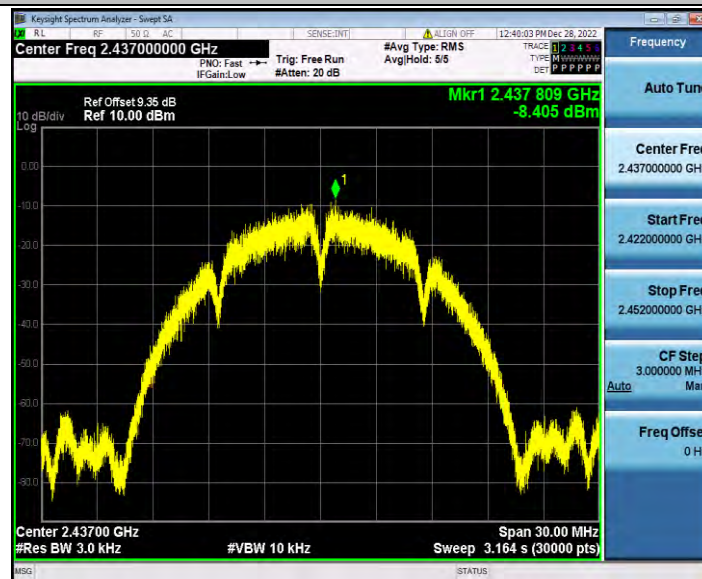
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-10.54	≤8.00	PASS
		2437	-8.41	≤8.00	PASS
		2462	-9.43	≤8.00	PASS
11G	Ant2	2412	-10.31	≤8.00	PASS
		2437	-8.37	≤8.00	PASS
		2462	-8.6	≤8.00	PASS
11N20SISO	Ant2	2412	-12.79	≤8.00	PASS
		2437	-12.74	≤8.00	PASS
		2462	-12.32	≤8.00	PASS
11N40SISO	Ant2	2422	-12.44	≤8.00	PASS
		2437	-14.24	≤8.00	PASS
		2452	-14.51	≤8.00	PASS

Test Graphs

11B_Ant2_2412



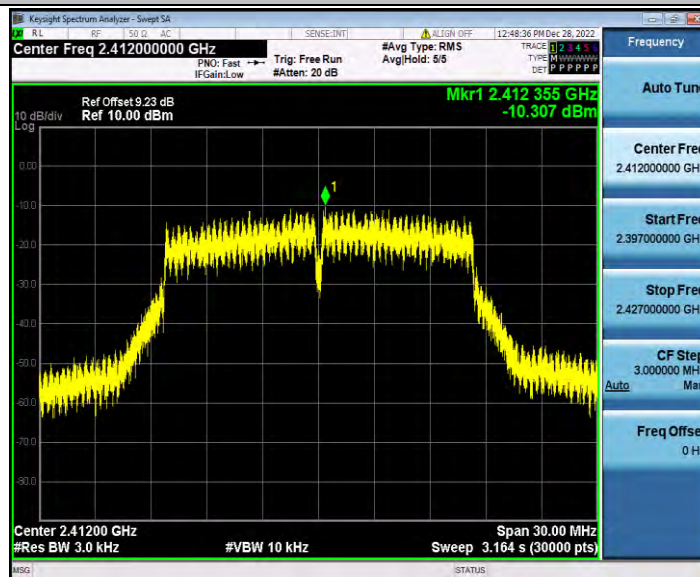
11B_Ant2_2437



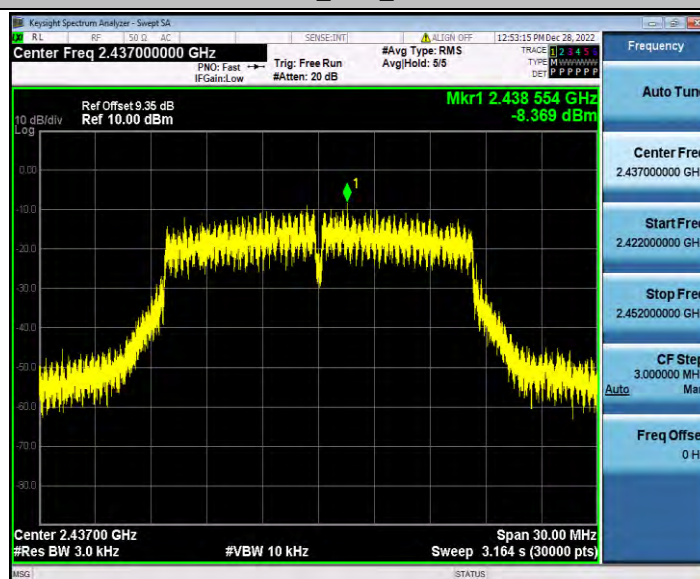
11B_Ant2_2462



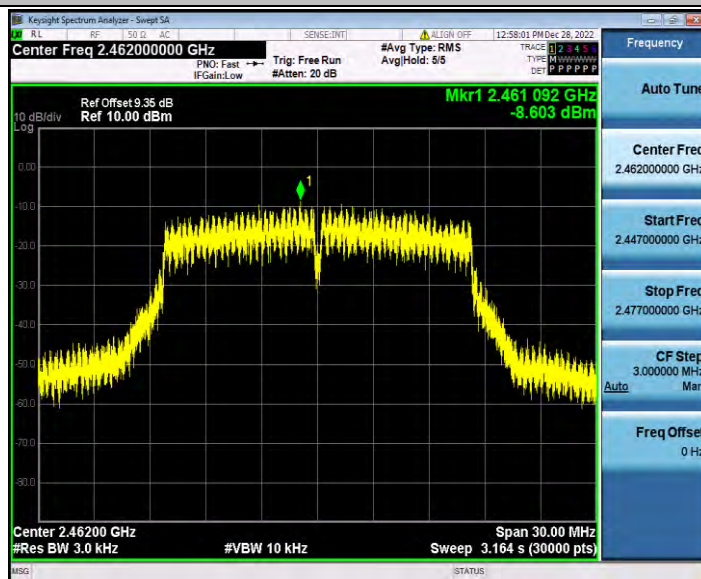
11G_Ant2_2412



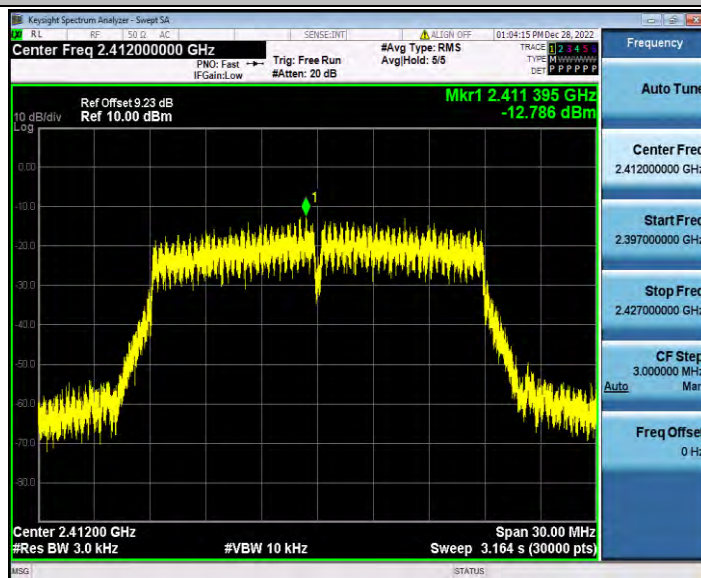
11G_Ant2_2437



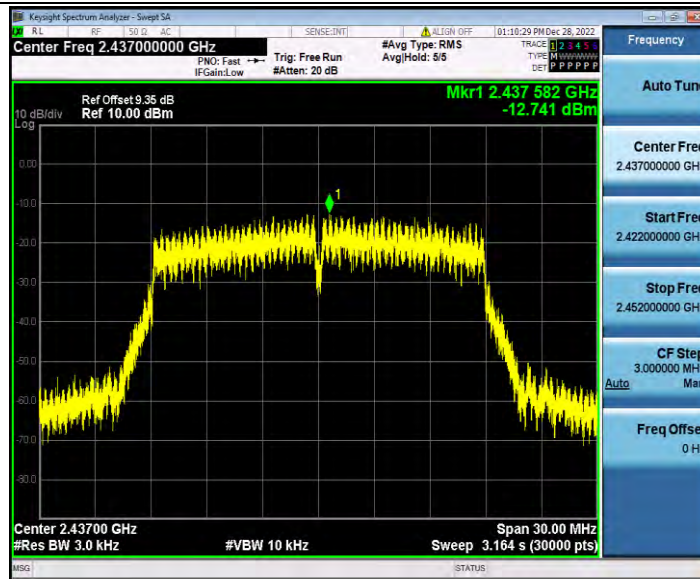
11G_Ant2_2462



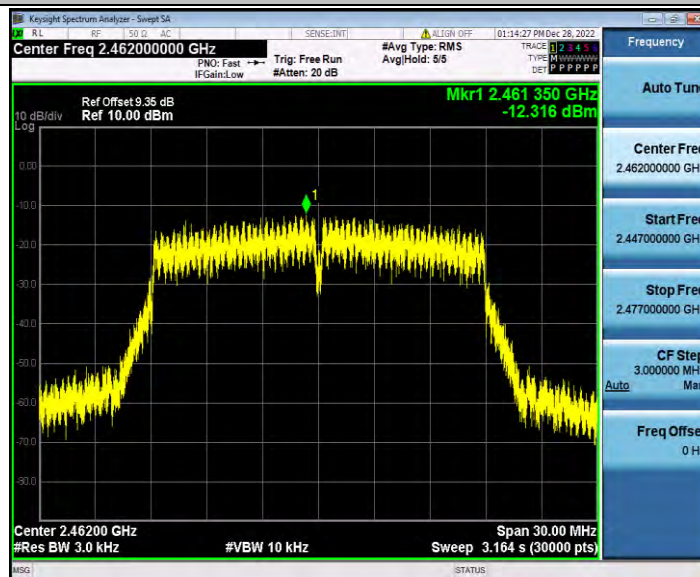
11N20SISO_Ant2_2412



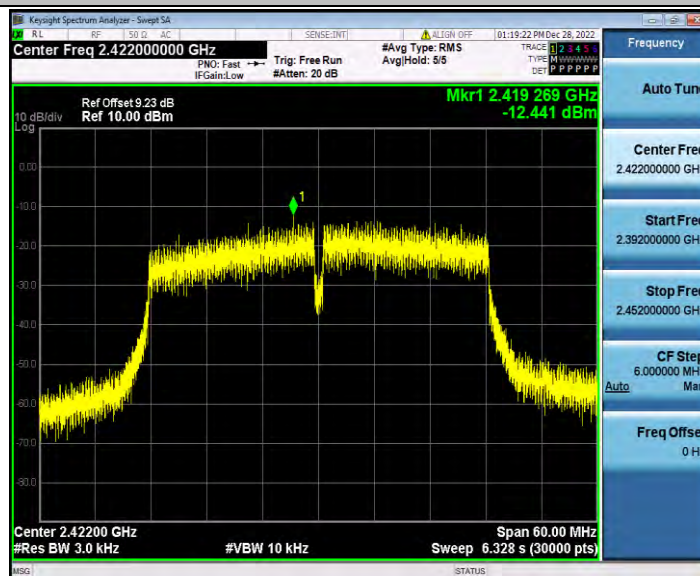
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



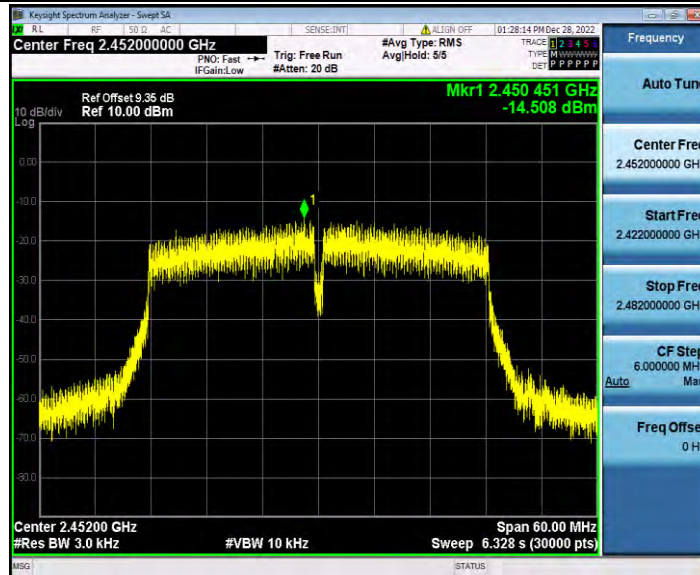
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



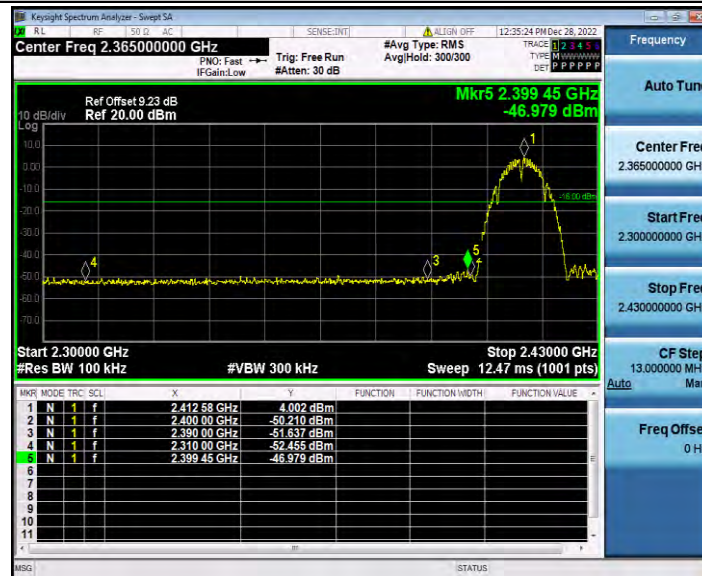
Appendix C.5: Band edge measurements

Test Result

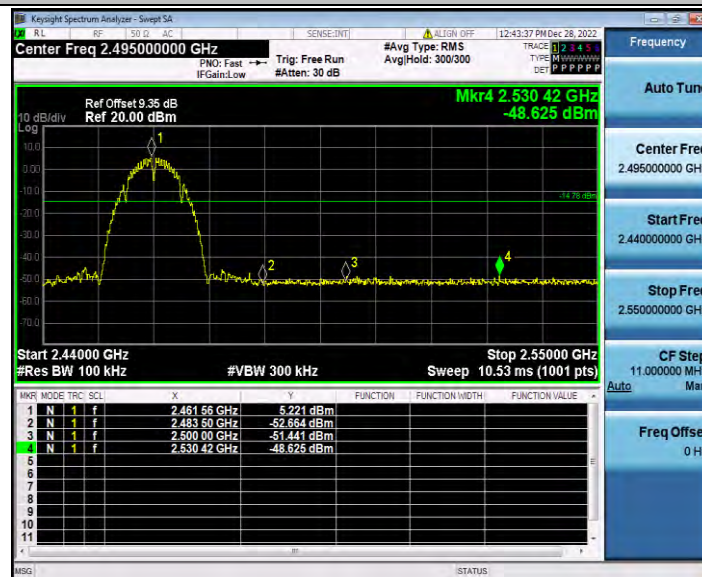
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	4.00	-46.98	≤-16	PASS
		High	2462	5.22	-48.63	≤-14.78	PASS
11G	Ant2	Low	2412	1.99	-31.87	≤-18.01	PASS
		High	2462	2.81	-42.33	≤-17.19	PASS
11N20SISO	Ant2	Low	2412	-1.15	-38.49	≤-21.15	PASS
		High	2462	-0.51	-47.38	≤-20.51	PASS
11N40SISO	Ant2	Low	2422	-1.44	-36.56	≤-21.44	PASS
		High	2452	-2.90	-41.26	≤-22.9	PASS

Test Graphs

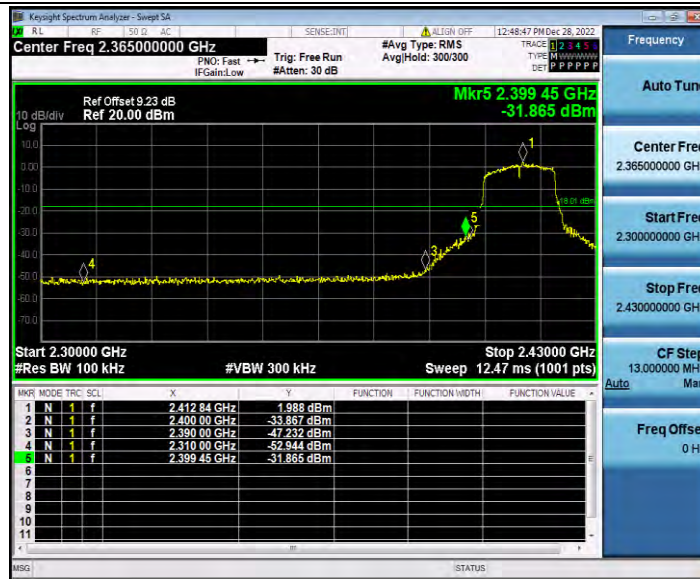
11B_Ant2_Low_2412



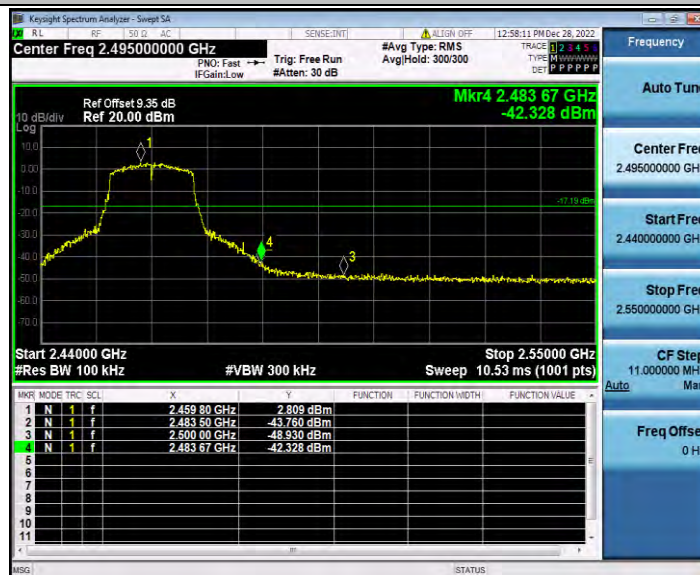
11B_Ant2_High_2462



11G_Ant2_Low_2412



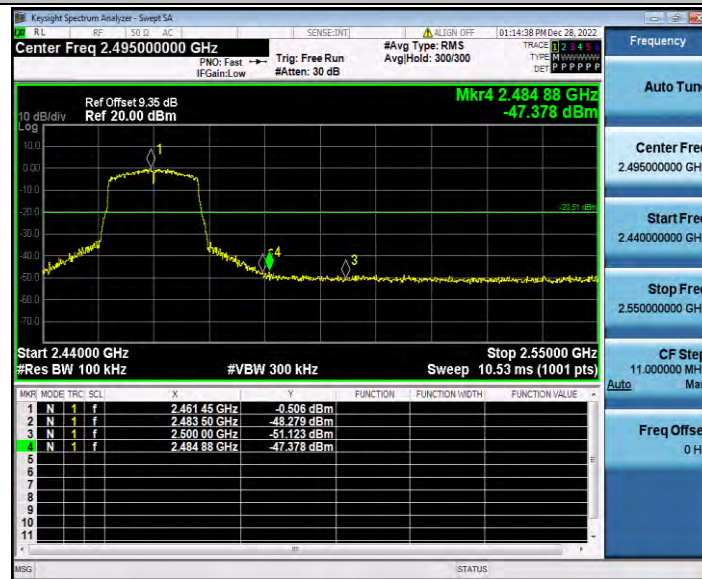
11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452



Appendix C.6: Conducted Spurious Emission

Test Result

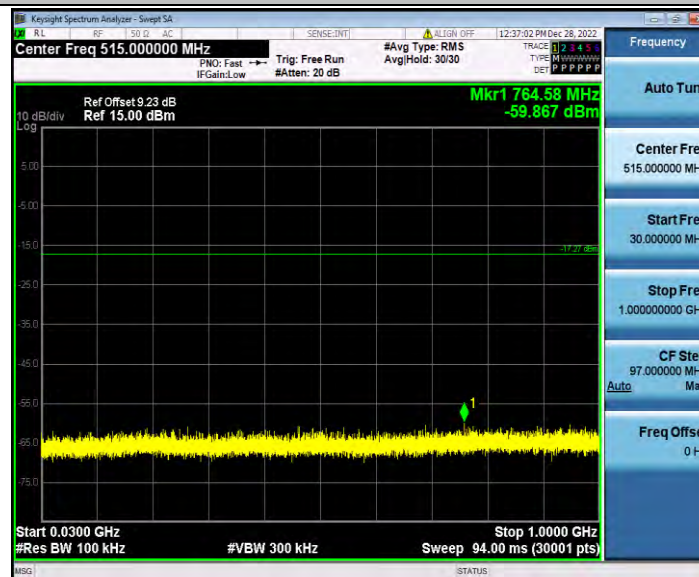
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	2.73	2.73	---	PASS
			30~1000	2.73	-59.87	≤ -17.27	PASS
			1000~26500	2.73	-47.58	≤ -17.27	PASS
		2437	Reference	3.85	3.85	---	PASS
			30~1000	3.85	-59	≤ -16.15	PASS
			1000~26500	3.85	-47.4	≤ -16.15	PASS
		2462	Reference	2.78	2.78	---	PASS
			30~1000	2.78	-59.72	≤ -17.22	PASS
			1000~26500	2.78	-47.6	≤ -17.22	PASS
11G	Ant2	2412	Reference	0.51	0.51	---	PASS
			30~1000	0.51	-60.15	≤ -19.49	PASS
			1000~26500	0.51	-46.9	≤ -19.49	PASS
		2437	Reference	1.42	1.42	---	PASS
			30~1000	1.42	-59.74	≤ -18.58	PASS
			1000~26500	1.42	-46.89	≤ -18.58	PASS
		2462	Reference	2.04	2.04	---	PASS
			30~1000	2.04	-60.27	≤ -17.96	PASS
			1000~26500	2.04	-46.88	≤ -17.96	PASS
11N20SISO	Ant2	2412	Reference	-1.91	-1.91	---	PASS
			30~1000	-1.91	-60.88	≤ -21.91	PASS
			1000~26500	-1.91	-48.09	≤ -21.91	PASS
		2437	Reference	-1.72	-1.72	---	PASS
			30~1000	-1.72	-60.04	≤ -21.72	PASS
			1000~26500	-1.72	-47.36	≤ -21.72	PASS
		2462	Reference	-1.50	-1.50	---	PASS
			30~1000	-1.50	-60.4	≤ -21.5	PASS
			1000~26500	-1.50	-47.45	≤ -21.5	PASS
11N40SISO	Ant2	2422	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-57.81	≤ -22.73	PASS
			1000~26500	-2.73	-47.6	≤ -22.73	PASS
		2437	Reference	-3.62	-3.62	---	PASS
			30~1000	-3.62	-59.9	≤ -23.62	PASS
			1000~26500	-3.62	-47.74	≤ -23.62	PASS
		2452	Reference	-3.40	-3.40	---	PASS
			30~1000	-3.40	-59.35	≤ -23.4	PASS
			1000~26500	-3.40	-47.48	≤ -23.4	PASS

Test Graphs

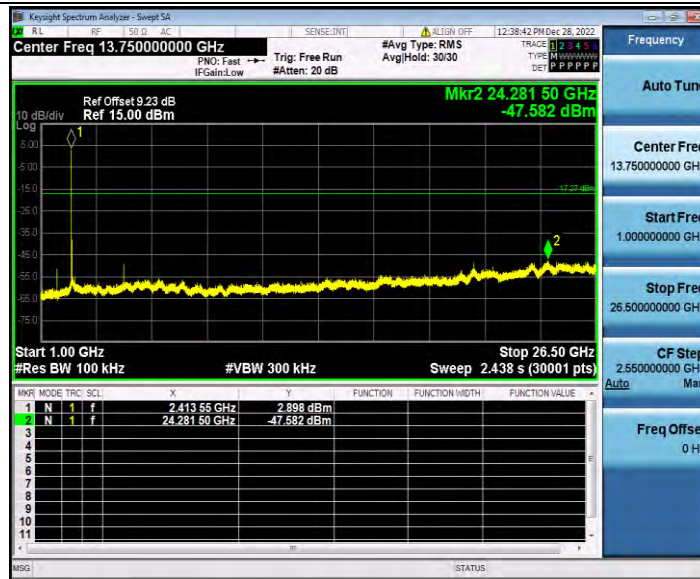
11B_Ant2_2412_0~Reference



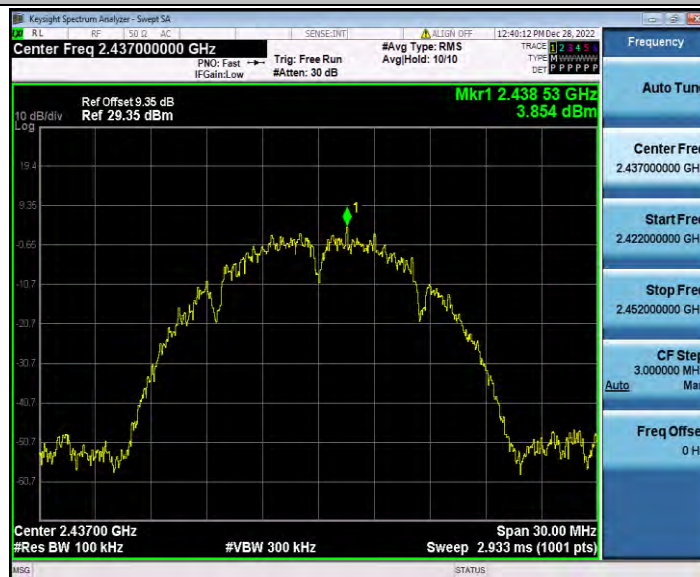
11B_Ant2_2412_30~1000



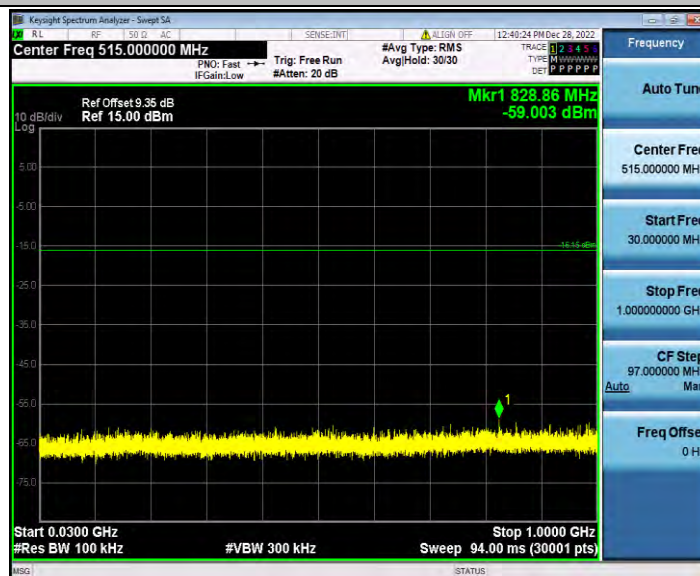
11B_Ant2_2412_1000~26500



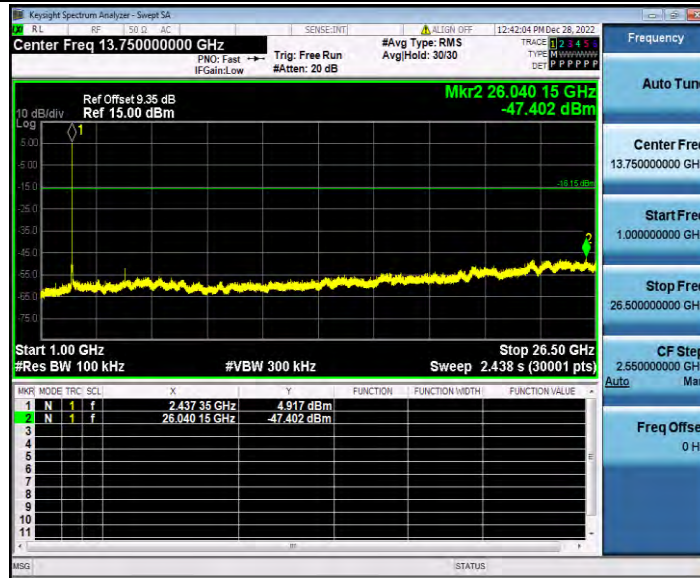
11B_Ant2_2437_0~Reference



11B_Ant2_2437_30~1000



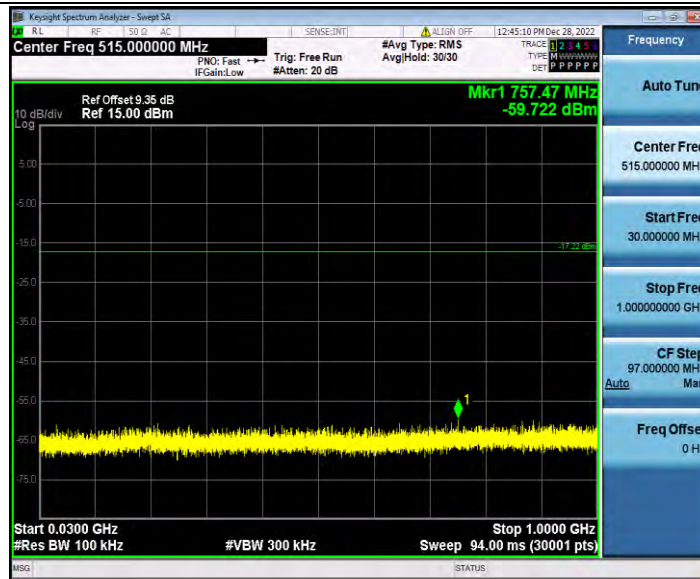
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



11B_Ant2_2462_30~1000



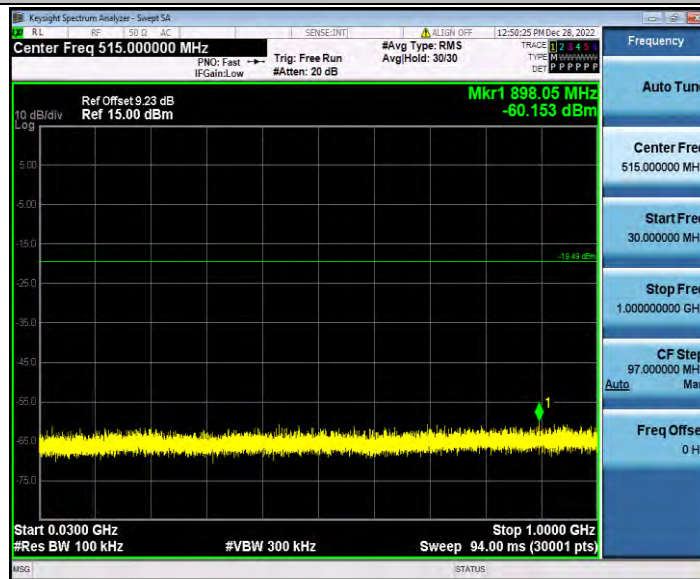
11B_Ant2_2462_1000~26500



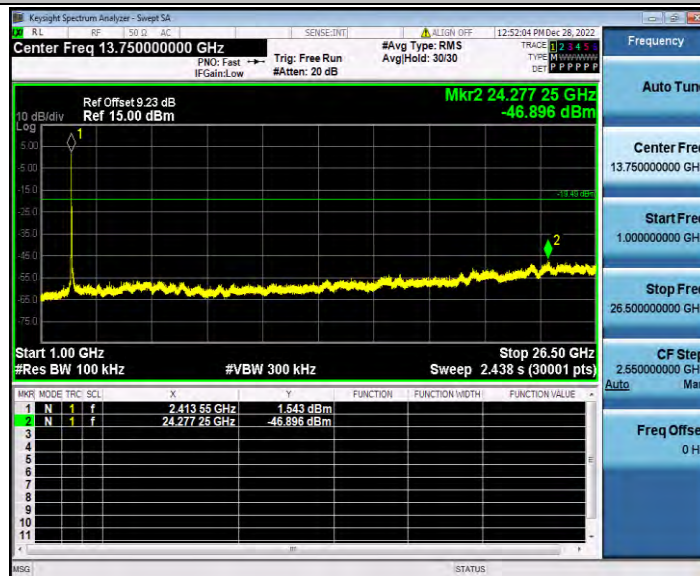
11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



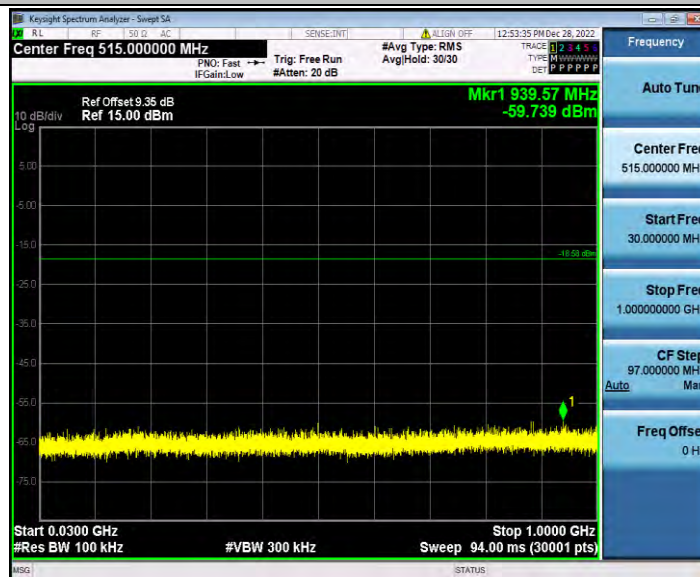
11G_Ant2_2412_1000~26500



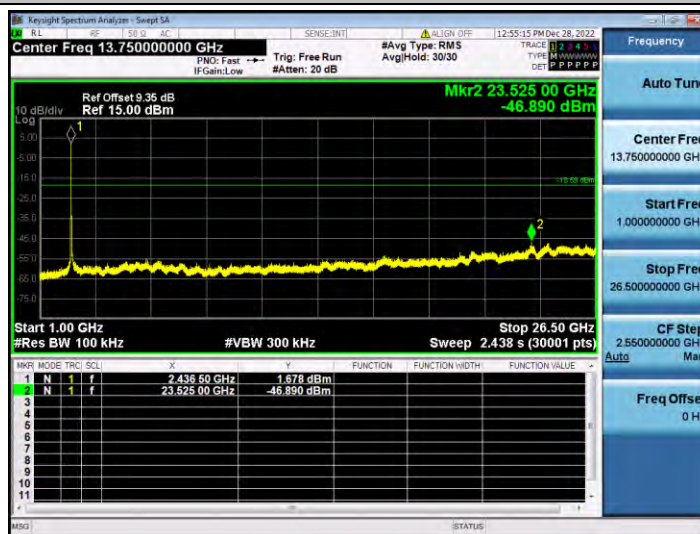
11G_Ant2_2437_0~Reference



11G_Ant2_2437_30~1000



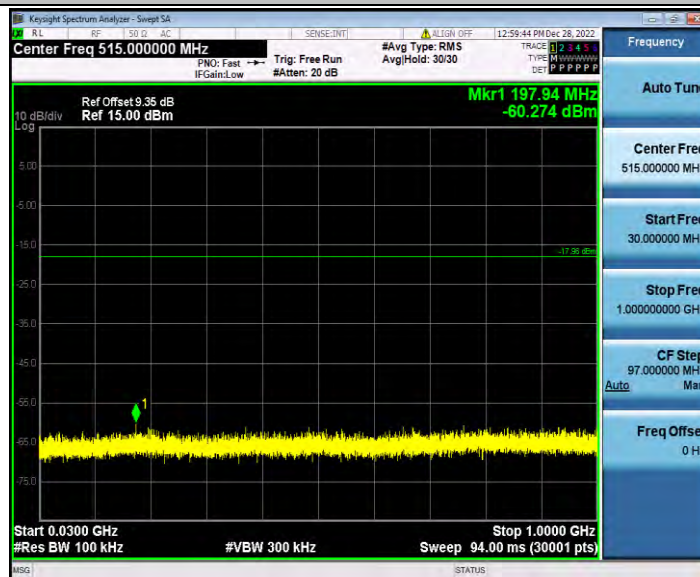
11G_Ant2_2437_1000~26500



11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



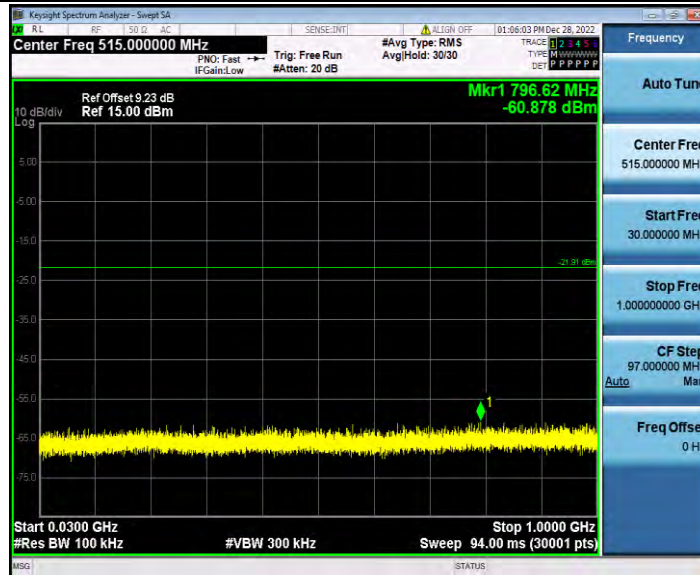
11G_Ant2_2462_1000~26500



11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



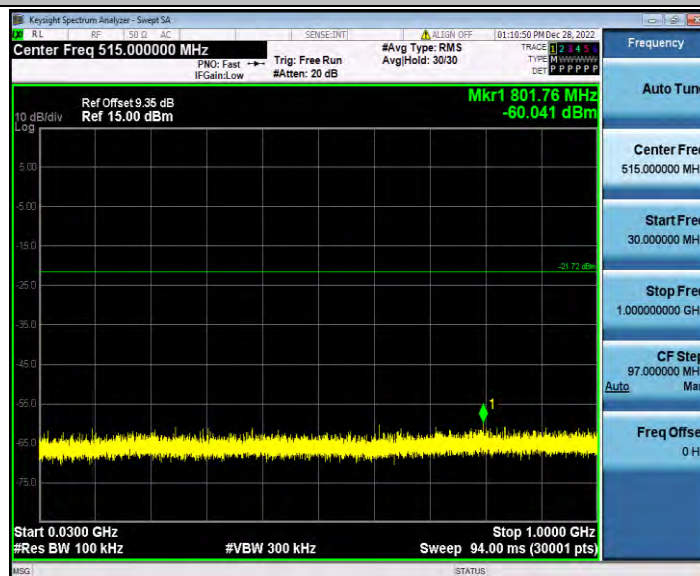
11N20SISO_Ant2_2412_1000~26500



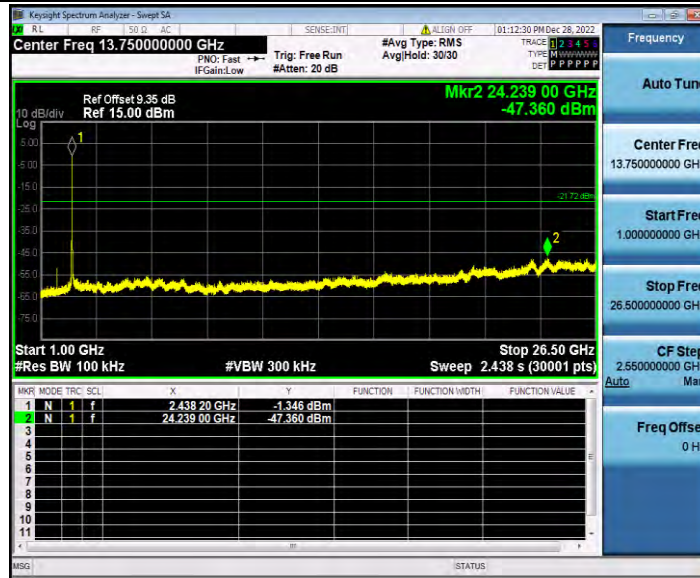
11N20SISO_Ant2_2437_0~Reference



11N20SISO_Ant2_2437_30~1000



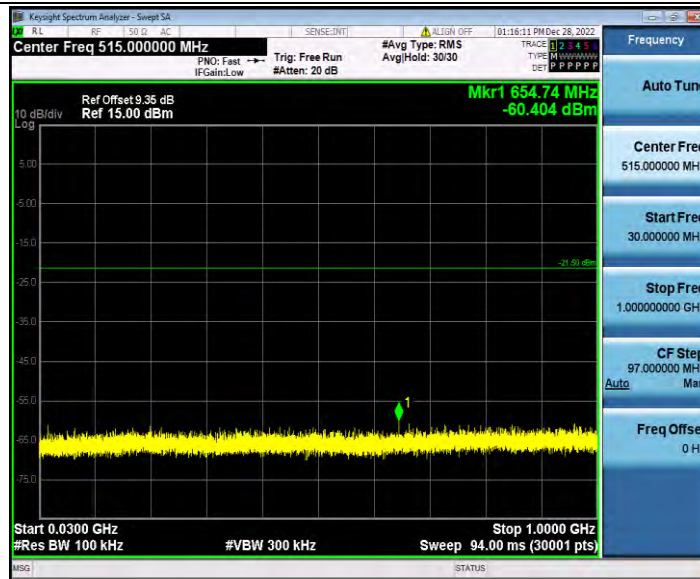
11N20SISO_Ant2_2437_1000~26500



11N20SISO_Ant2_2462_0~Reference



11N20SISO_Ant2_2462_30~1000



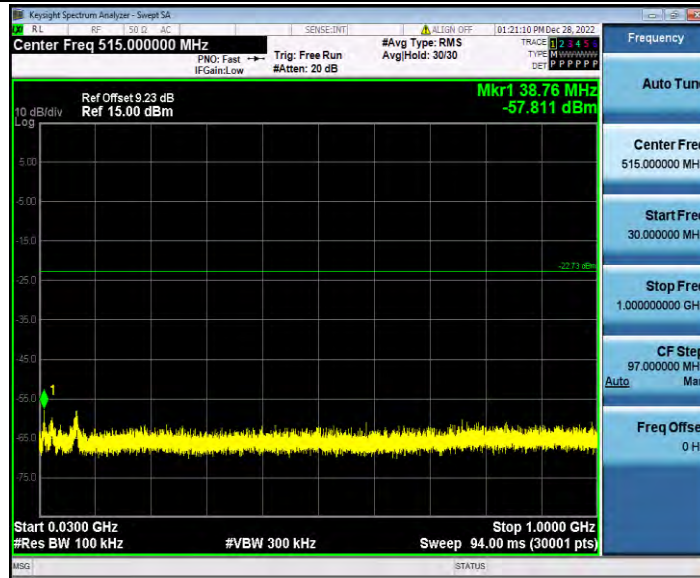
11N20SISO_Ant2_2462_1000~26500



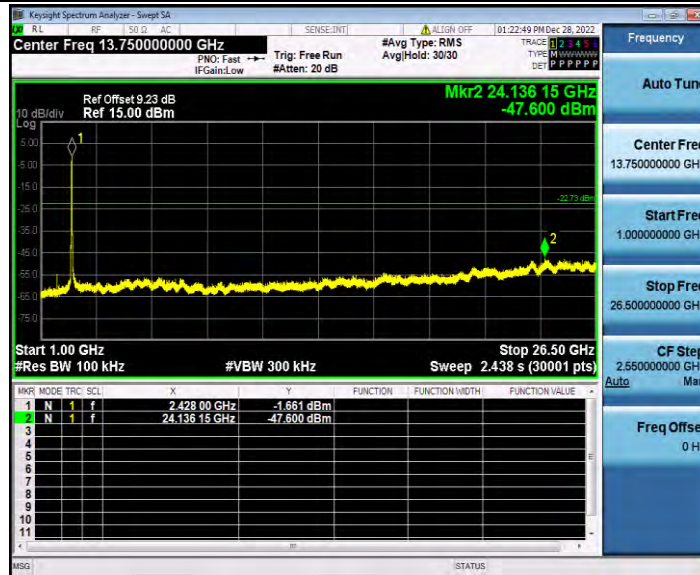
11N40SISO_Ant2_2422_0~Reference



11N40SISO_Ant2_2422_30~1000



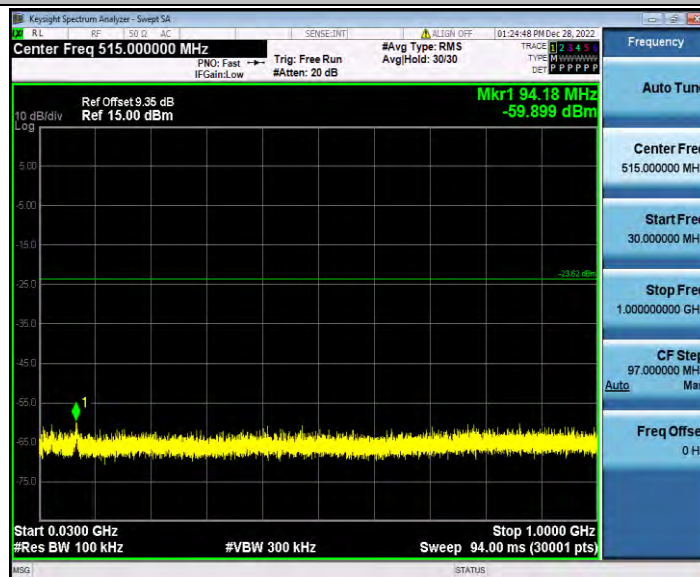
11N40SISO_Ant2_2422_1000~26500



11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



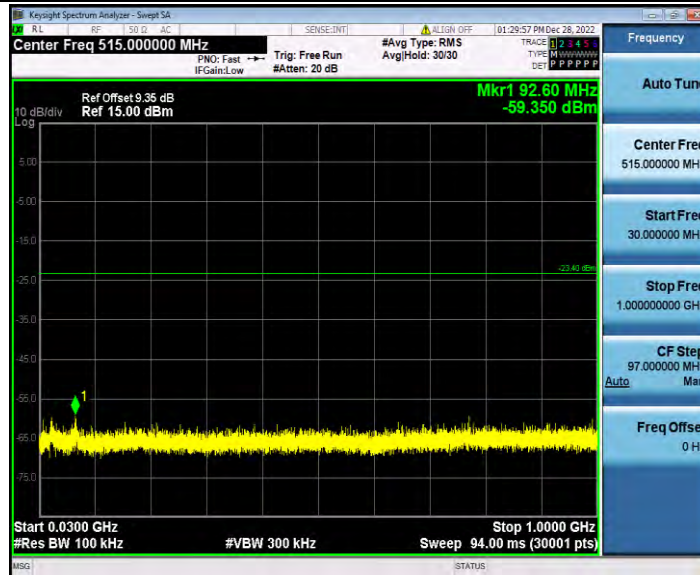
11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000



11N40SISO_Ant2_2452_1000~26500

