

Case No. : <u>GTS20221114009-1-5</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
Test Date: <u>2022.12.16</u> Test Engineer: <u>Jenny zeng</u>

Appendix A.1: DTS Bandwidth

Test Result

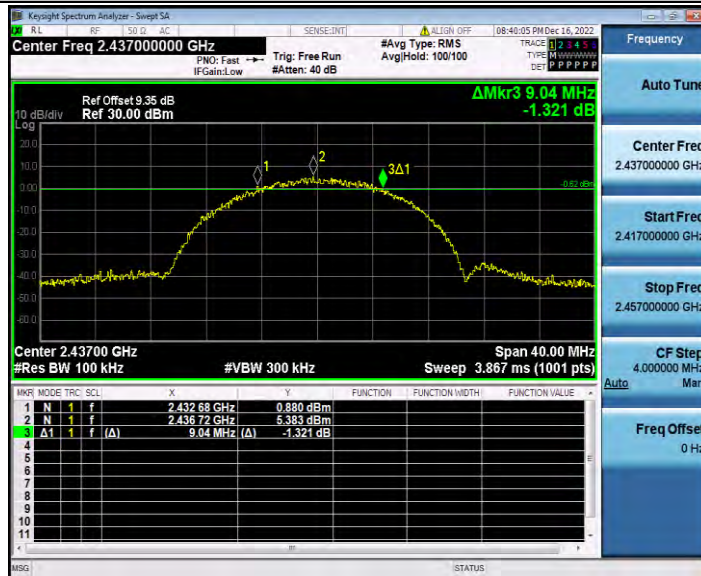
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.840	2407.760	2416.600	0.5	PASS
		2437	9.040	2432.680	2441.720	0.5	PASS
		2462	8.160	2457.920	2466.080	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.320	2453.800	2470.120	0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	17.200	2428.480	2445.680	0.5	PASS
		2462	13.760	2454.520	2468.280	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	35.200	2419.400	2454.600	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS

Test Graphs

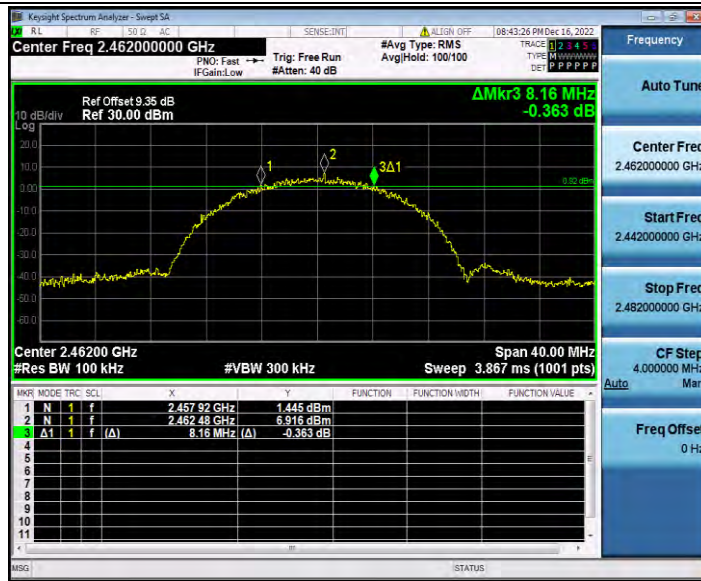
11B_Ant1_2412



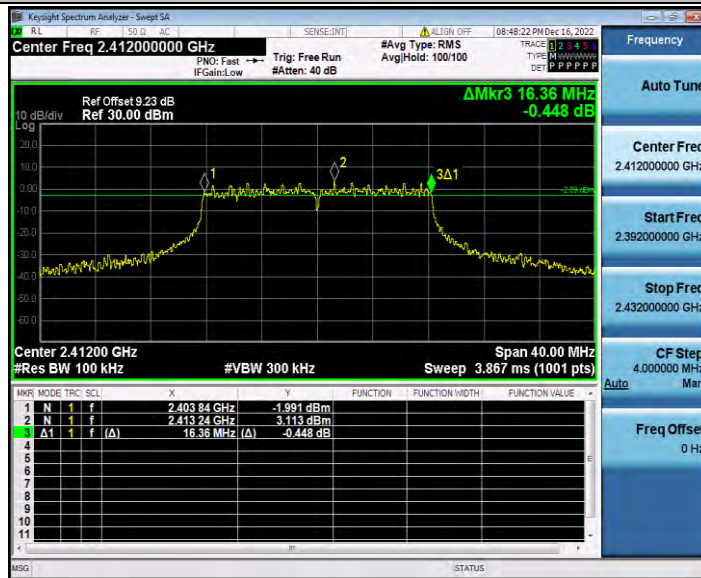
11B_Ant1_2437



11B_Ant1_2462



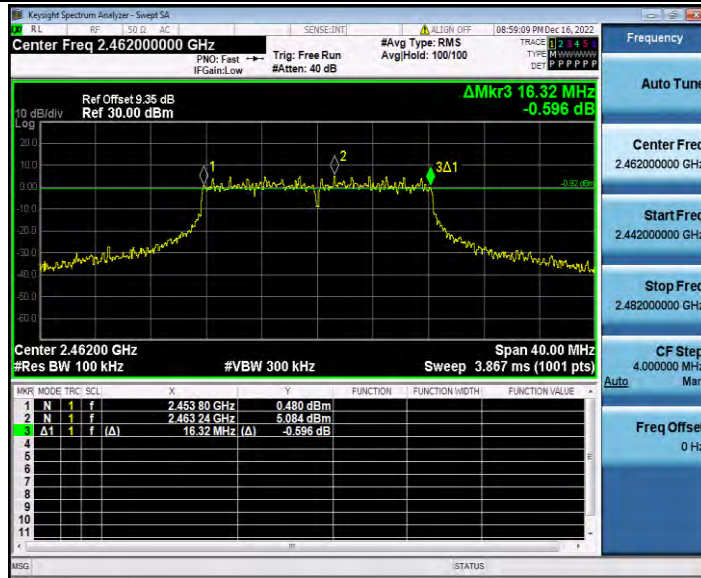
11G_Ant1_2412



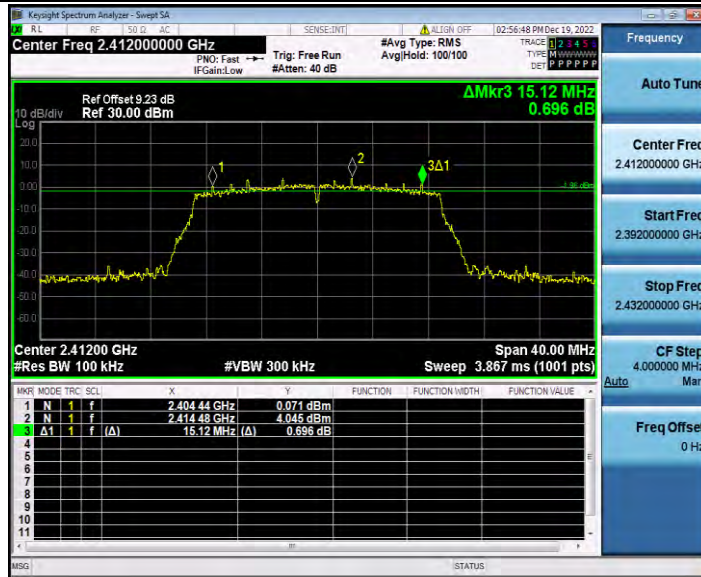
11G_Ant1_2437



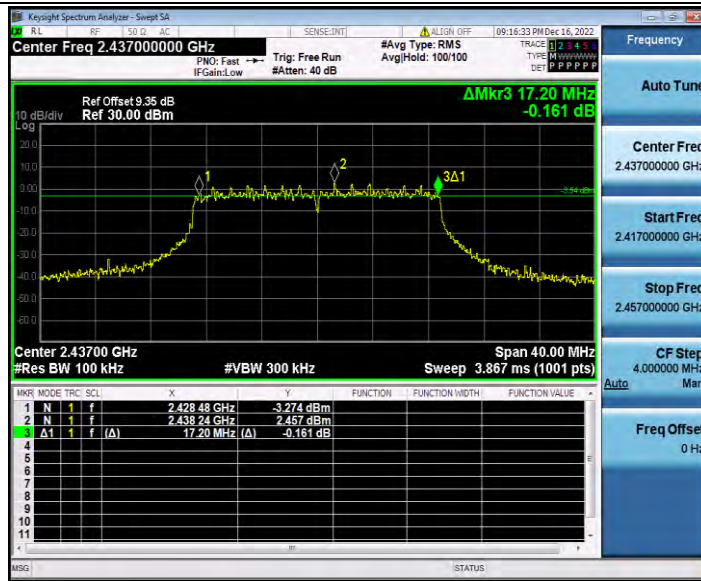
11G_Ant1_2462



11N20SISO_Ant1_2412



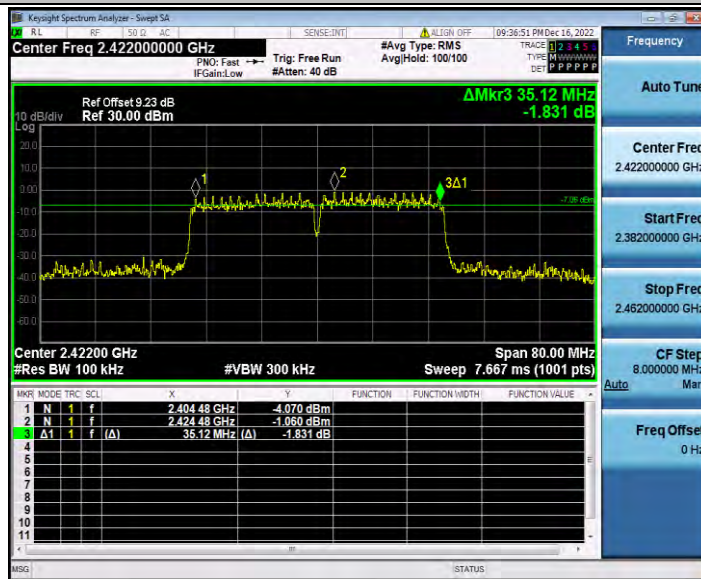
11N20SISO_Ant1_2437



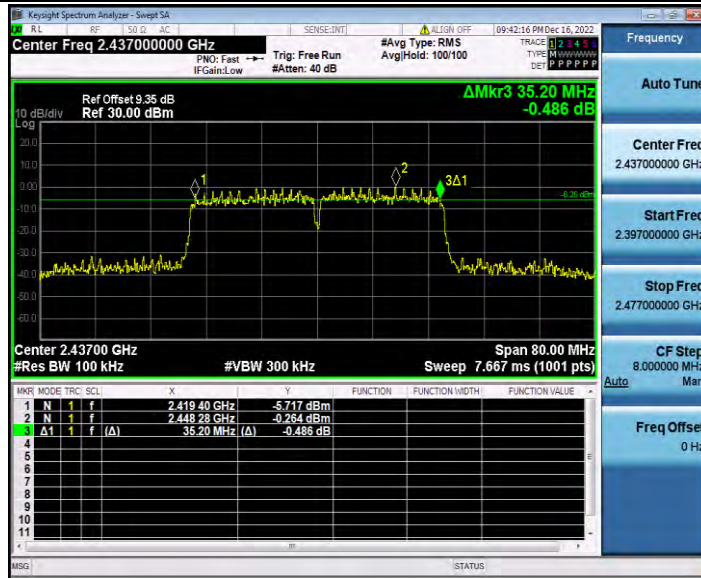
11N20SISO_Ant1_2462



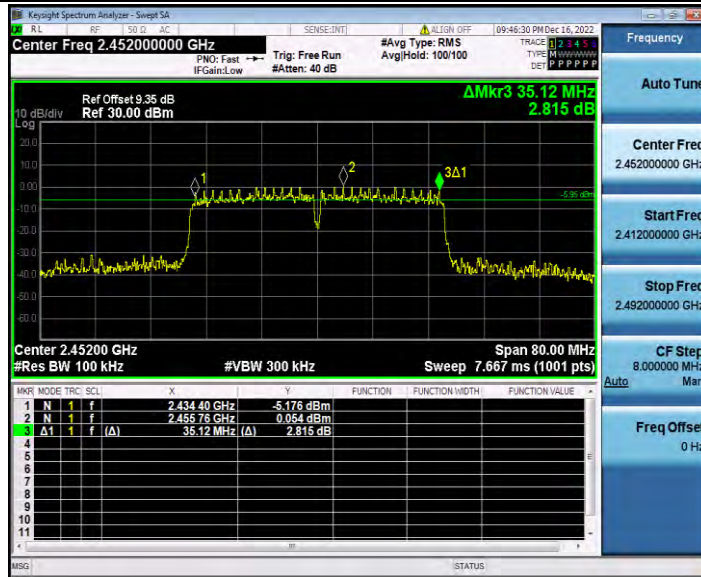
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.610	2404.777	2419.387	---	---
		2437	14.567	2429.769	2444.336	---	---
		2462	14.578	2454.692	2469.270	---	---
11G	Ant1	2412	16.769	2403.653	2420.422	---	---
		2437	16.843	2428.638	2445.481	---	---
		2462	16.895	2453.539	2470.434	---	---
11N20SISO	Ant1	2412	17.948	2403.052	2421.000	---	---
		2437	17.860	2428.109	2445.969	---	---
		2462	17.762	2453.152	2470.914	---	---
11N40SISO	Ant1	2422	36.080	2404.043	2440.123	---	---
		2437	36.003	2419.017	2455.020	---	---
		2452	35.955	2434.087	2470.042	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



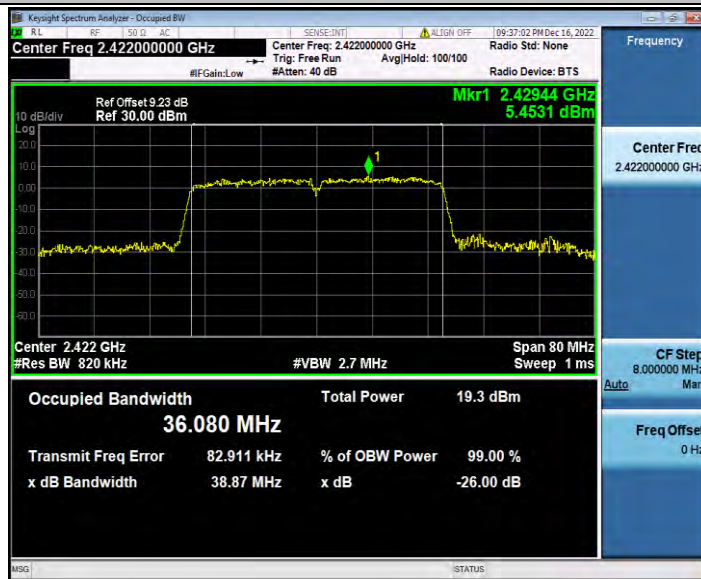
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



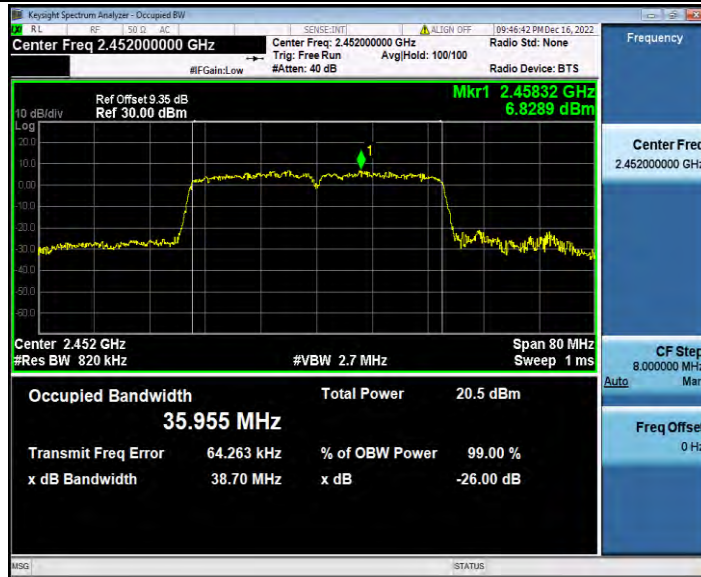
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	17.67	≤30.00	PASS
		2437	18.85	≤30.00	PASS
		2462	19.20	≤30.00	PASS
11G	Ant1	2412	20.99	≤30.00	PASS
		2437	22.55	≤30.00	PASS
		2462	22.72	≤30.00	PASS
11N20SISO	Ant1	2412	21.14	≤30.00	PASS
		2437	20.14	≤30.00	PASS
		2462	17.70	≤30.00	PASS
11N40SISO	Ant1	2422	19.39	≤30.00	PASS
		2437	20.32	≤30.00	PASS
		2452	20.55	≤30.00	PASS

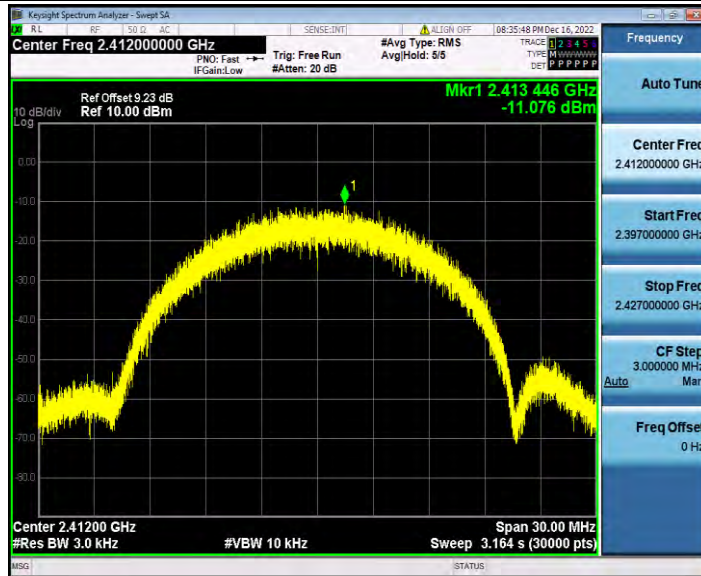
Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.08	≤8.00	PASS
		2437	-7.78	≤8.00	PASS
		2462	-9.58	≤8.00	PASS
11G	Ant1	2412	-11.42	≤8.00	PASS
		2437	-10.13	≤8.00	PASS
		2462	-10.25	≤8.00	PASS
11N20SISO	Ant1	2412	-11.89	≤8.00	PASS
		2437	-12.27	≤8.00	PASS
		2462	-15.35	≤8.00	PASS
11N40SISO	Ant1	2422	-15.52	≤8.00	PASS
		2437	-12.85	≤8.00	PASS
		2452	-15.6	≤8.00	PASS

Test Graphs

11B_Ant1_2412



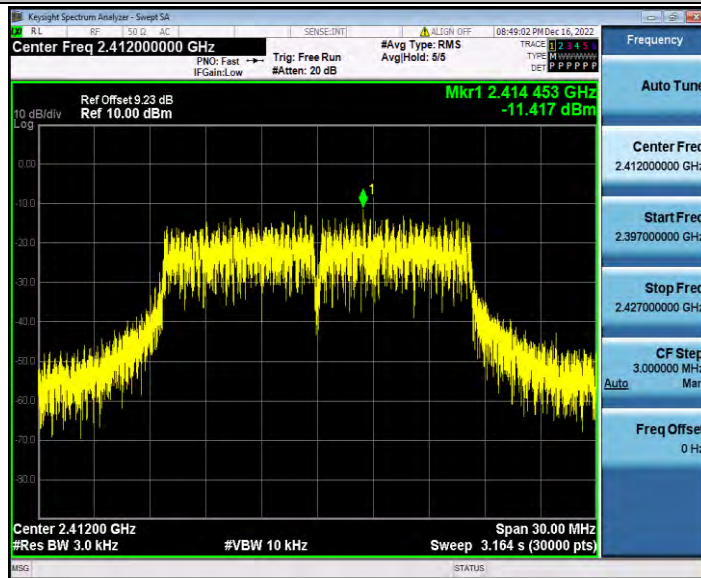
11B_Ant1_2437



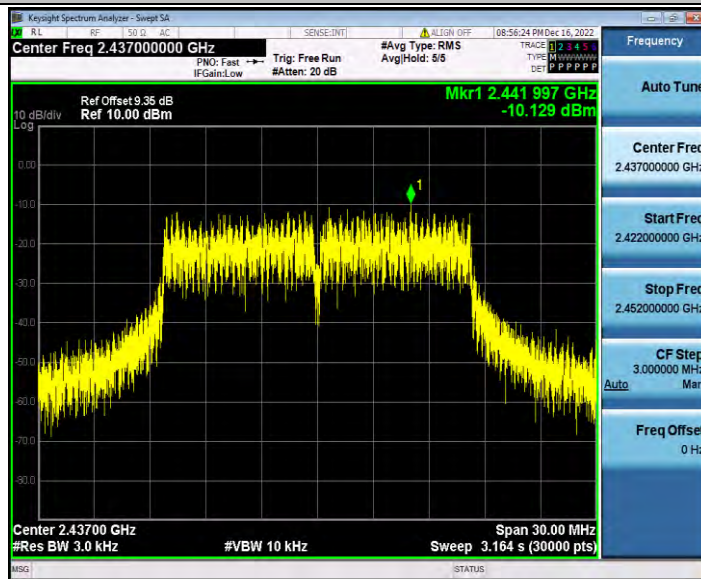
11B_Ant1_2462



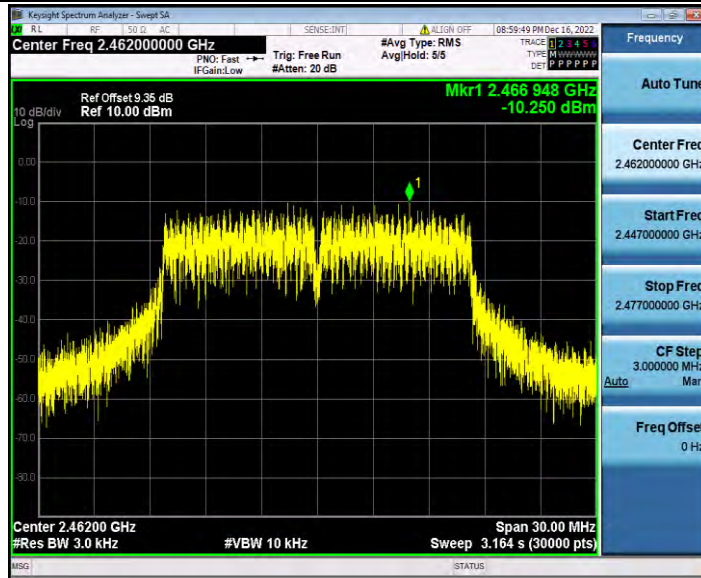
11G_Ant1_2412



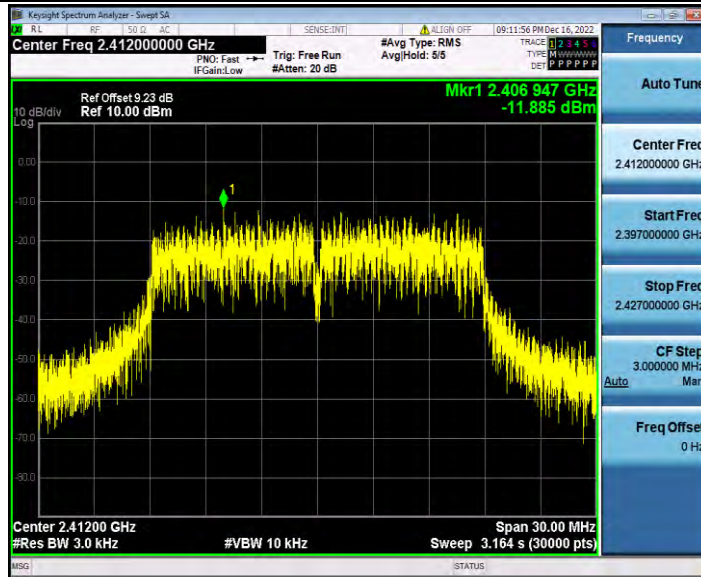
11G_Ant1_2437



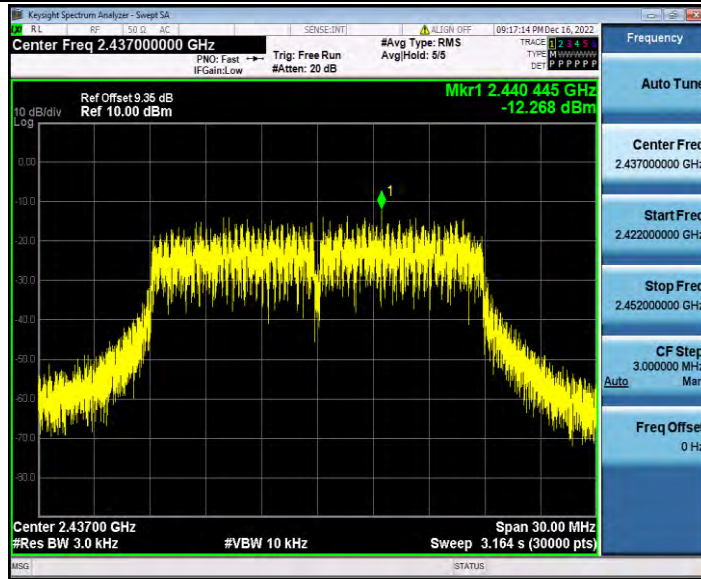
11G_Ant1_2462



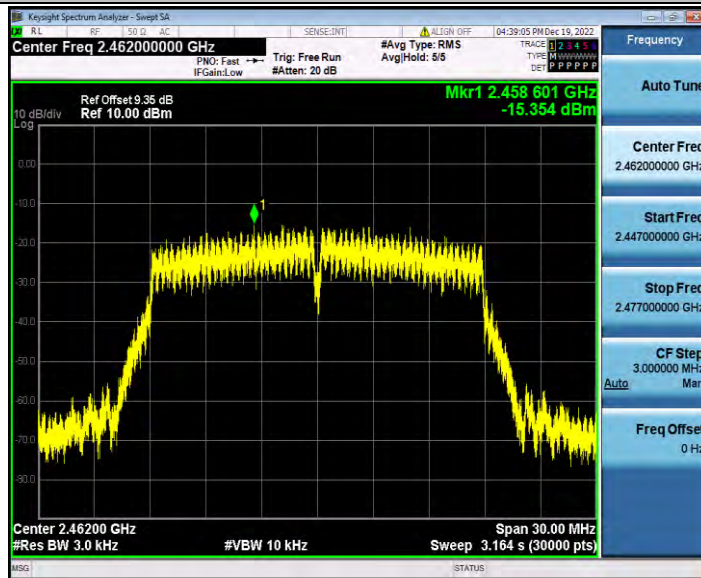
11N20SISO_Ant1_2412



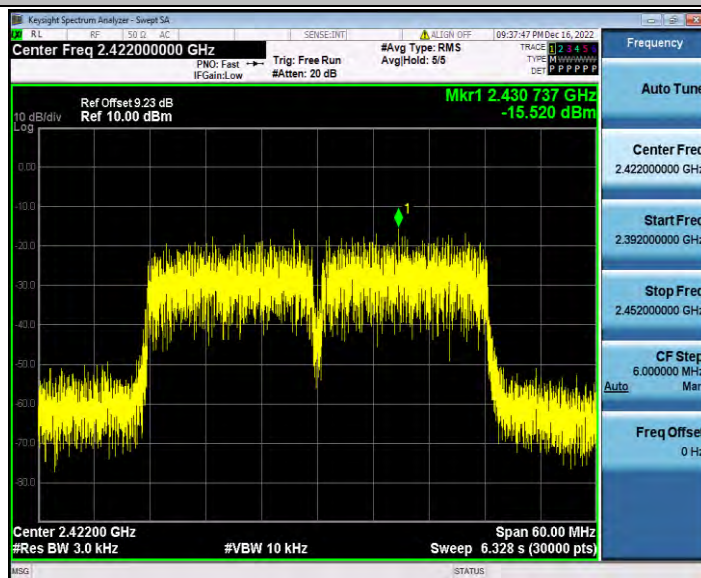
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



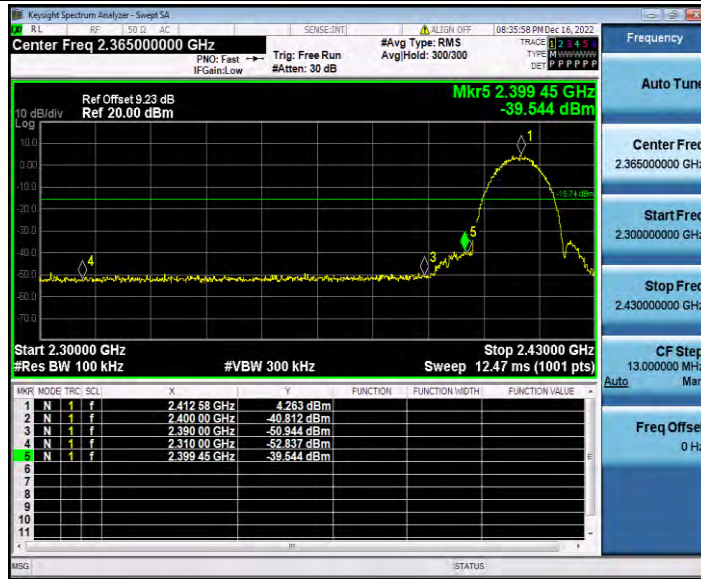
Appendix A.5: Band edge measurements

Test Result

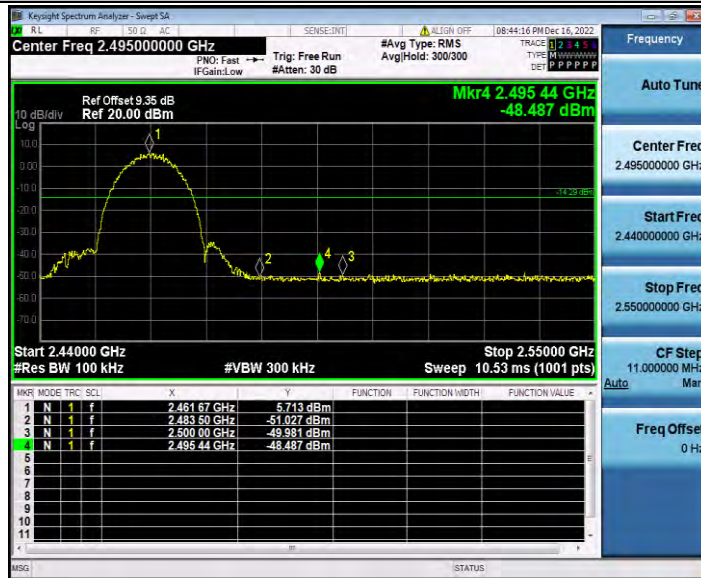
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.26	-39.54	≤-15.74	PASS
		High	2462	5.71	-48.49	≤-14.29	PASS
11G	Ant1	Low	2412	3.83	-29.54	≤-16.17	PASS
		High	2462	5.18	-39.14	≤-14.82	PASS
11N20SISO	Ant1	Low	2412	3.26	-29.59	≤-16.74	PASS
		High	2462	0.01	-47.98	≤-19.99	PASS
11N40SISO	Ant1	Low	2422	-1.09	-32.05	≤-21.09	PASS
		High	2452	0.09	-33.98	≤-19.91	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



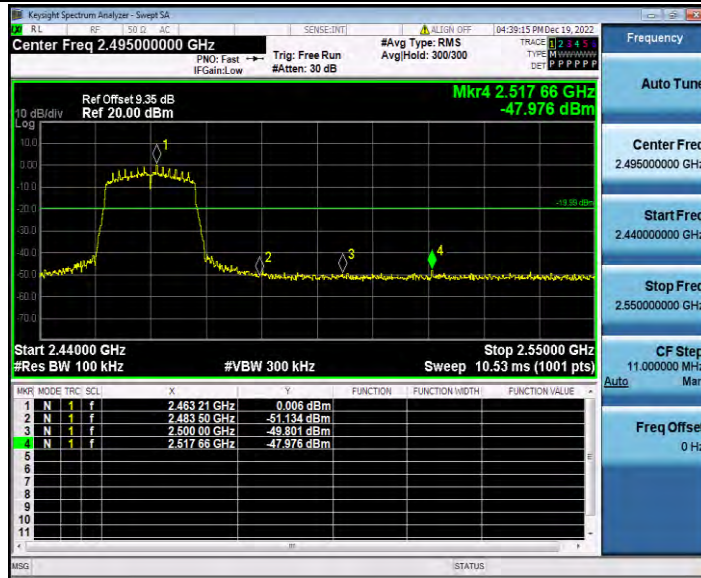
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



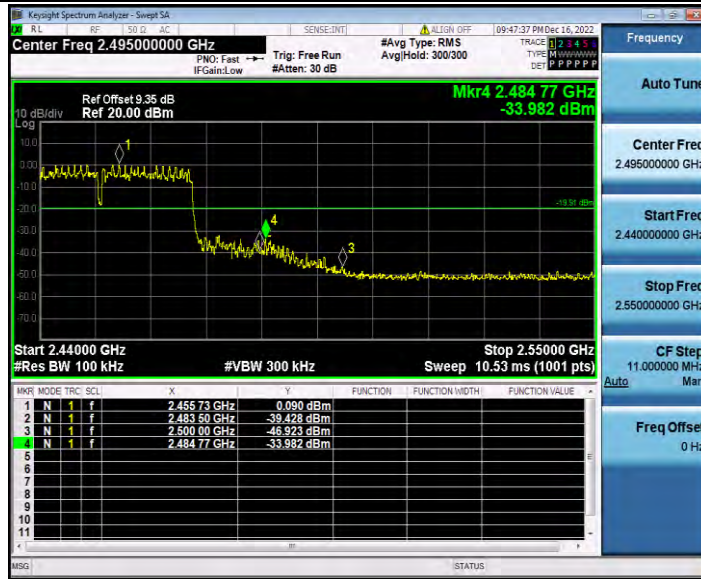
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix A.6: Conducted Spurious Emission

Test Result

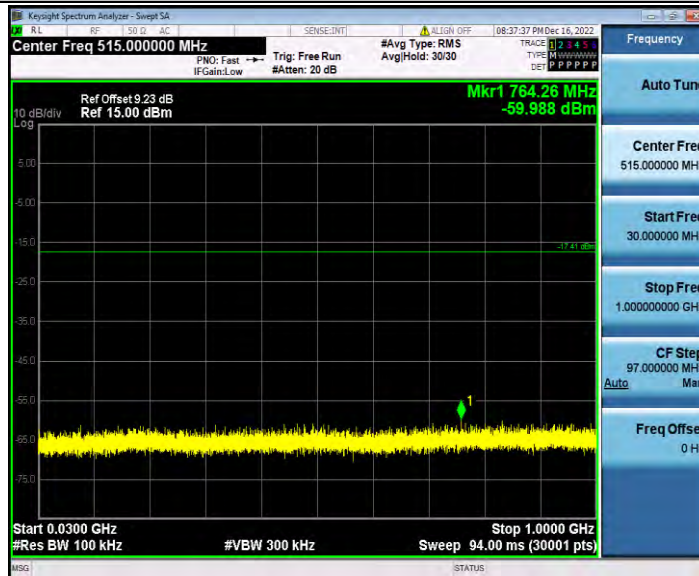
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.59	2.59	---	PASS
			30~1000	2.59	-59.99	≤-17.41	PASS
			1000~26500	2.59	-47.63	≤-17.41	PASS
		2437	Reference	4.74	4.74	---	PASS
			30~1000	4.74	-59.8	≤-15.26	PASS
			1000~26500	4.74	-47.36	≤-15.26	PASS
		2462	Reference	4.09	4.09	---	PASS
			30~1000	4.09	-60.33	≤-15.91	PASS
			1000~26500	4.09	-45.01	≤-15.91	PASS
11G	Ant1	2412	Reference	2.32	2.32	---	PASS
			30~1000	2.32	-58.9	≤-17.68	PASS
			1000~26500	2.32	-47.02	≤-17.68	PASS
		2437	Reference	3.51	3.51	---	PASS
			30~1000	3.51	-59.61	≤-16.49	PASS
			1000~26500	3.51	-47.34	≤-16.49	PASS
		2462	Reference	4.61	4.61	---	PASS
			30~1000	4.61	-59.19	≤-15.39	PASS
			1000~26500	4.61	-46.77	≤-15.39	PASS
11N20SISO	Ant1	2412	Reference	2.56	2.56	---	PASS
			30~1000	2.56	-59.46	≤-17.44	PASS
			1000~26500	2.56	-47.62	≤-17.44	PASS
		2437	Reference	0.84	0.84	---	PASS
			30~1000	0.84	-59.67	≤-19.16	PASS
			1000~26500	0.84	-48.38	≤-19.16	PASS
		2462	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-59.13	≤-21.92	PASS
			1000~26500	-1.92	-47.26	≤-21.92	PASS
11N40SISO	Ant1	2422	Reference	-1.59	-1.59	---	PASS
			30~1000	-1.59	-58.32	≤-21.59	PASS
			1000~26500	-1.59	-47.79	≤-21.59	PASS
		2437	Reference	-0.71	-0.71	---	PASS
			30~1000	-0.71	-58.74	≤-20.71	PASS
			1000~26500	-0.71	-47.44	≤-20.71	PASS
		2452	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-59.05	≤-20.48	PASS
			1000~26500	-0.48	-47.91	≤-20.48	PASS

Test Graphs

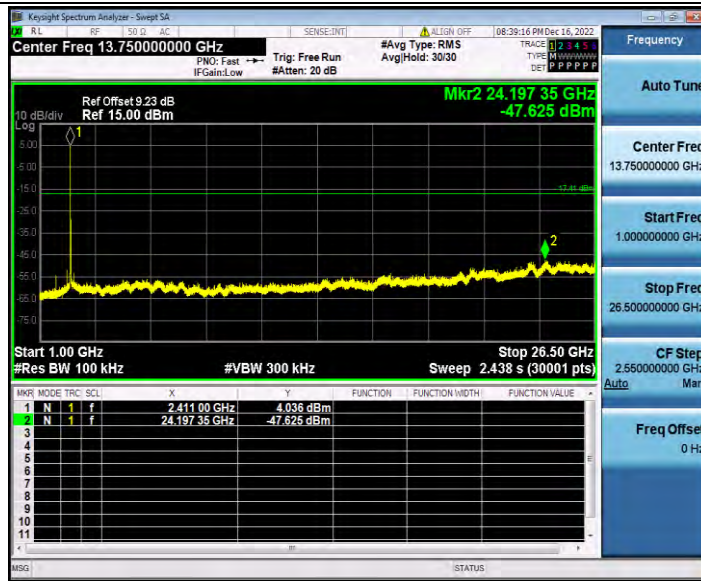
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



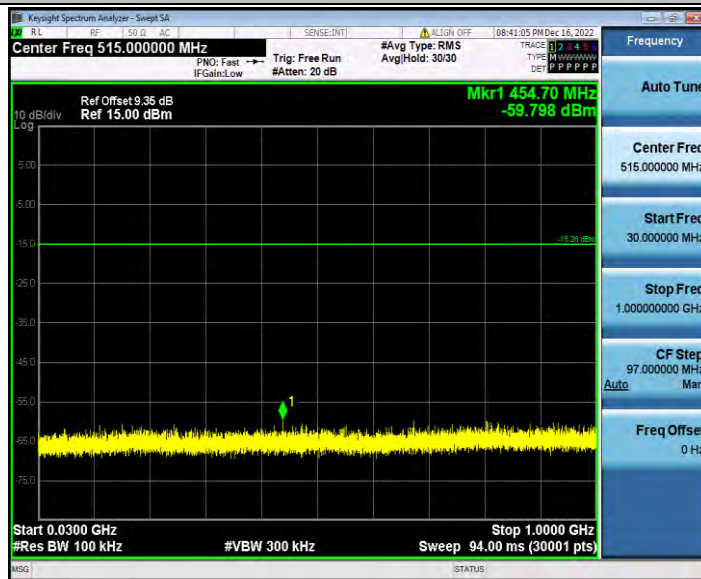
11B_Ant1_2412_1000~26500



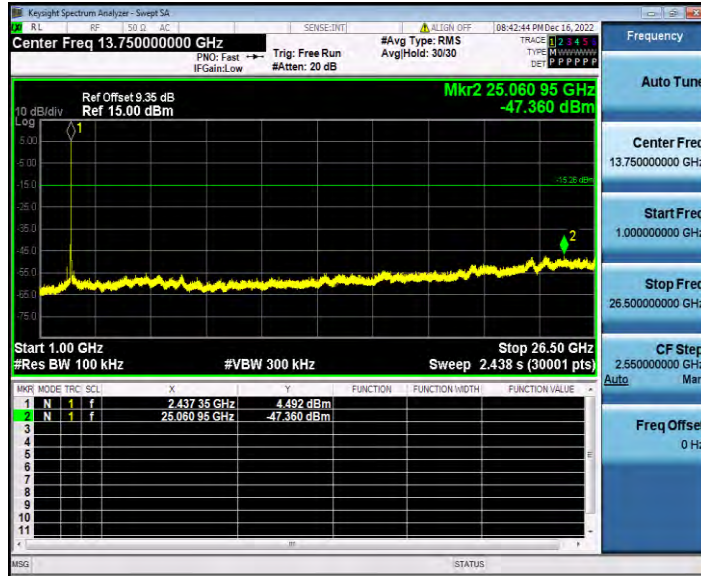
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



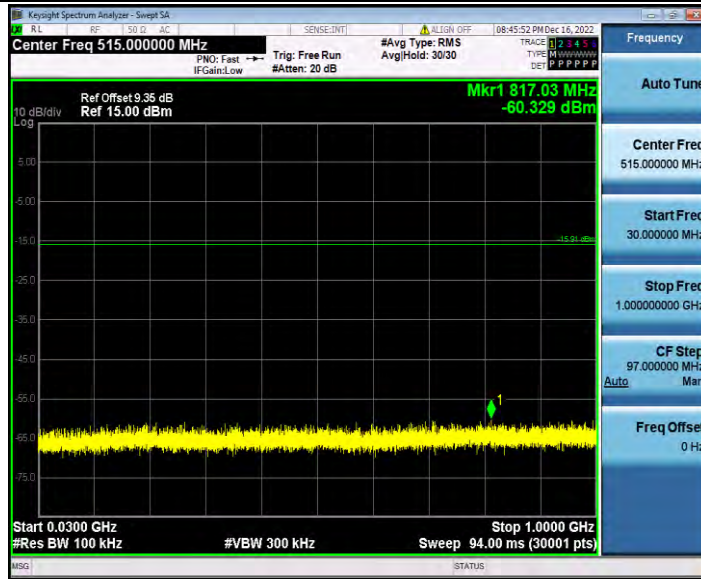
11B_Ant1_2437_1000~26500



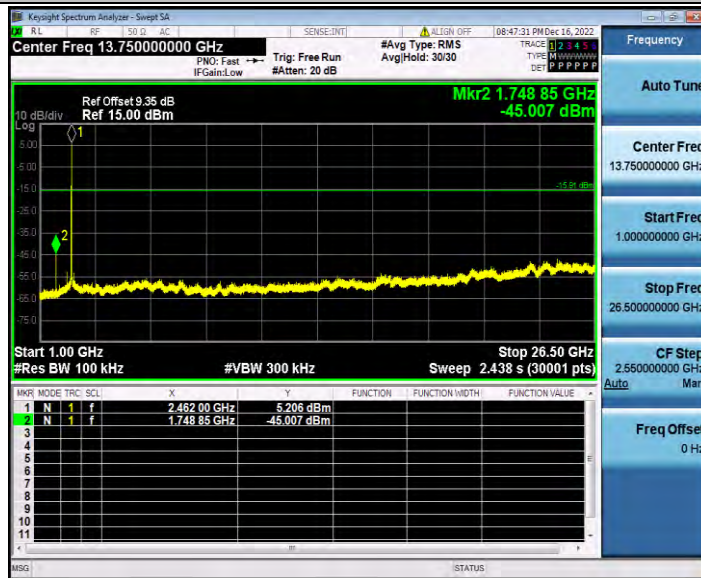
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



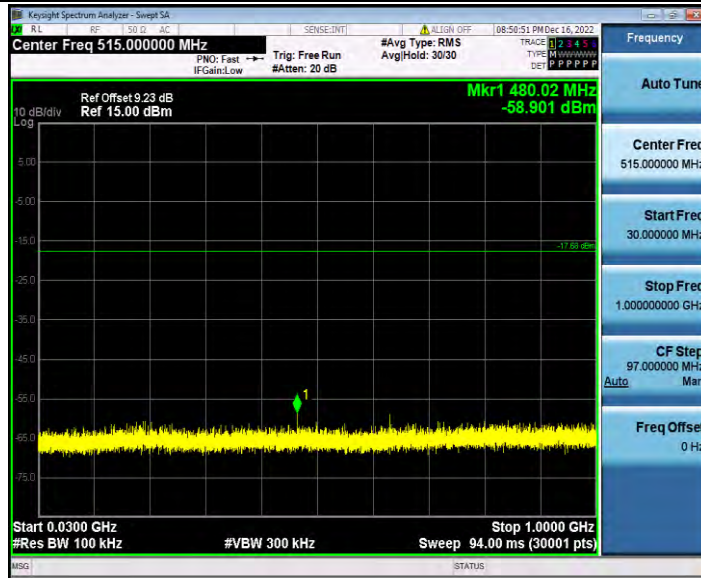
11B_Ant1_2462_1000~26500



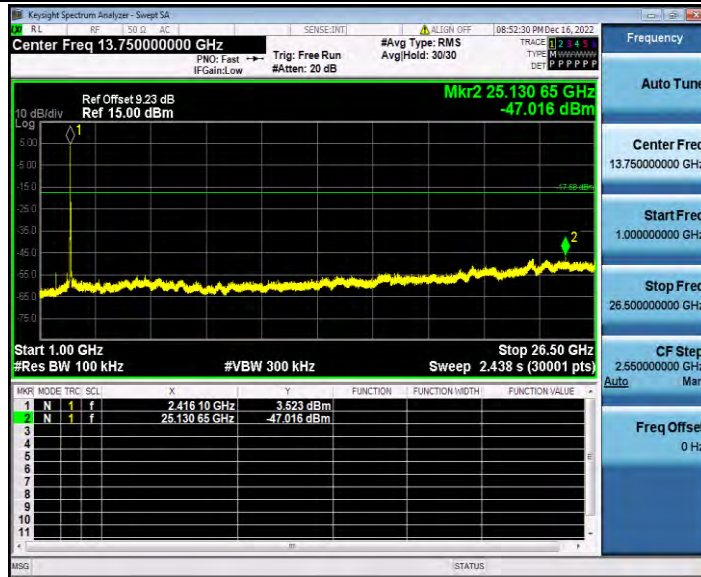
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



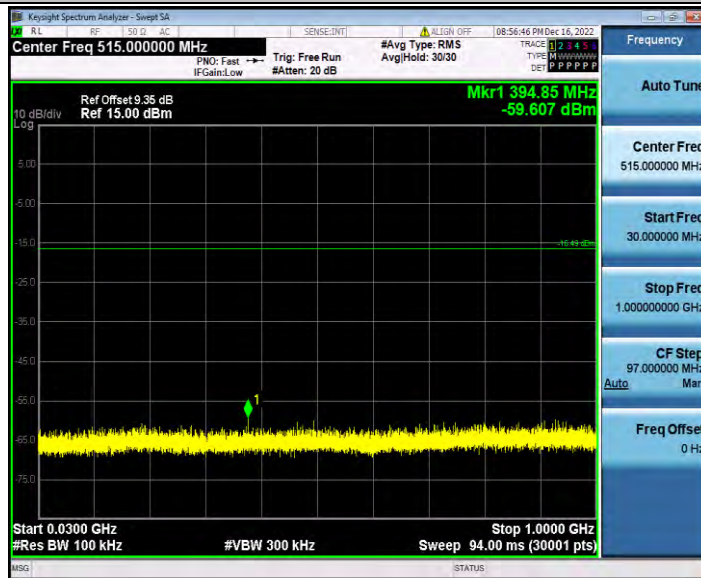
11G_Ant1_2412_1000~26500



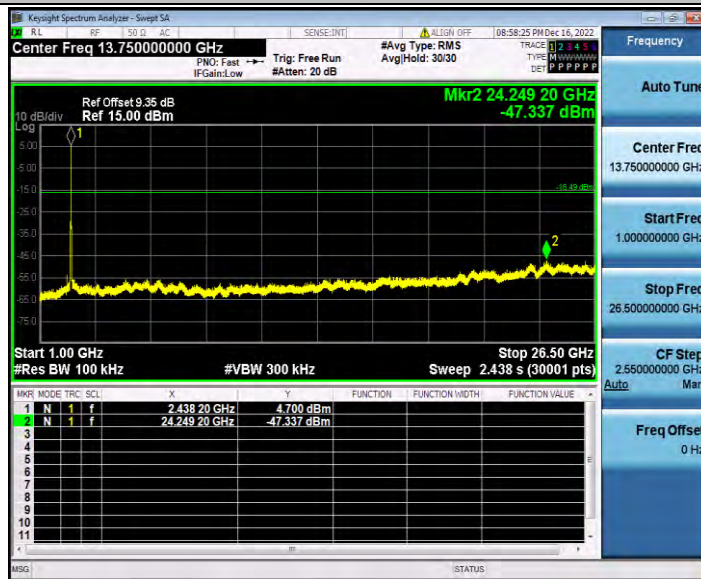
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



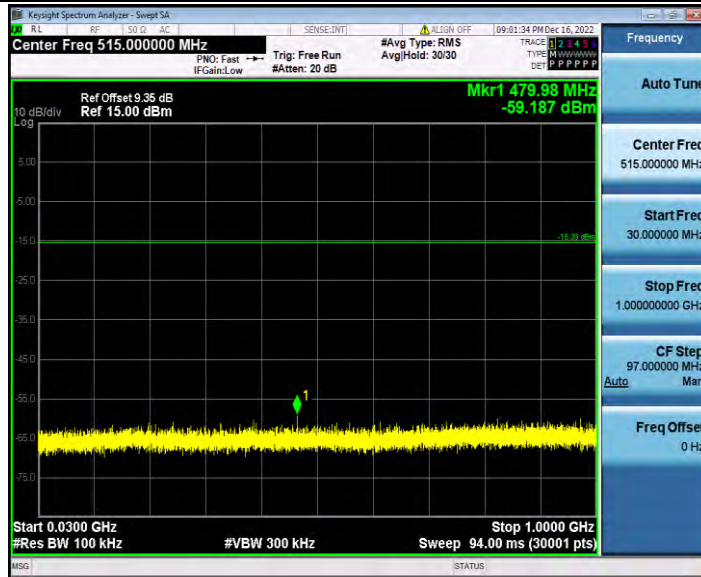
11G_Ant1_2437_1000~26500



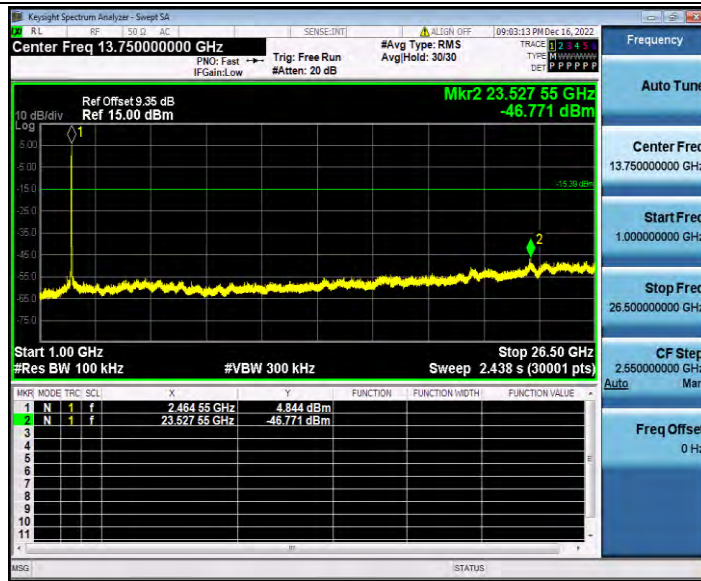
11G_Ant1_2462_0~Reference



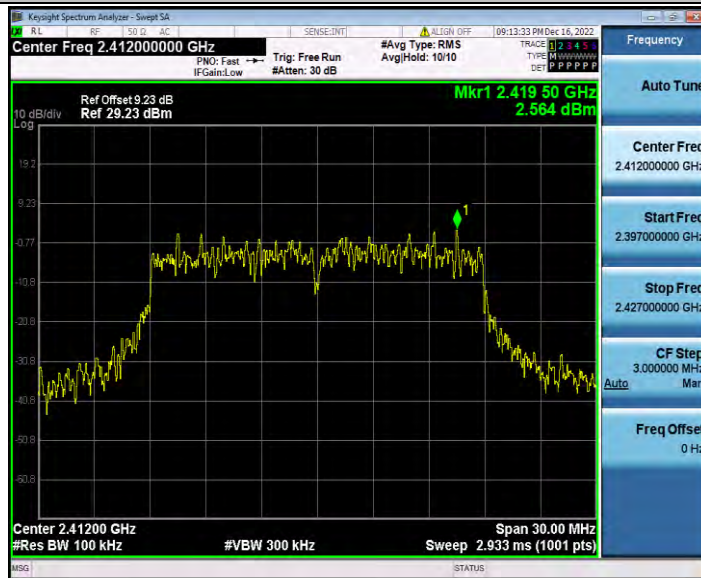
11G_Ant1_2462_30~1000



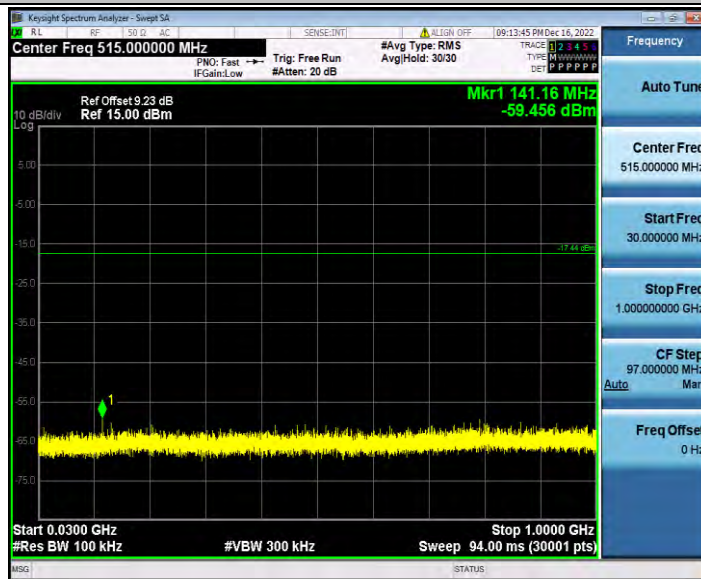
11G_Ant1_2462_1000~26500



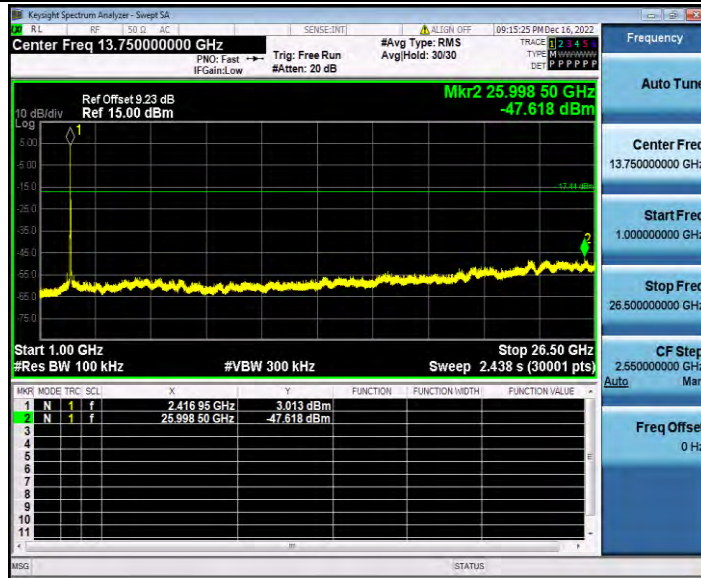
11N20SISO_Ant1_2412_0~Reference



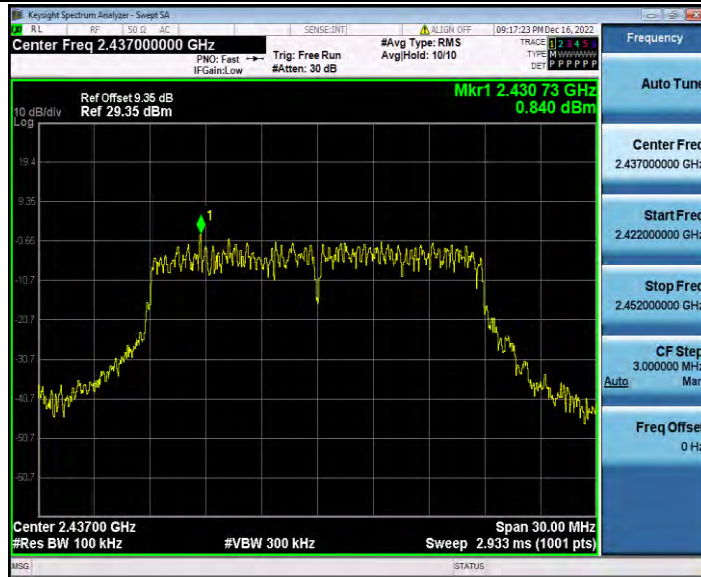
11N20SISO_Ant1_2412_30~1000



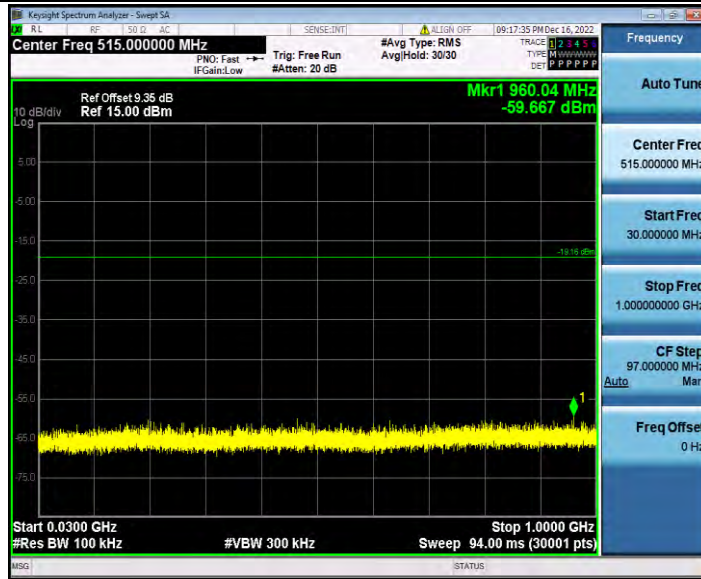
11N20SISO_Ant1_2412_1000~26500



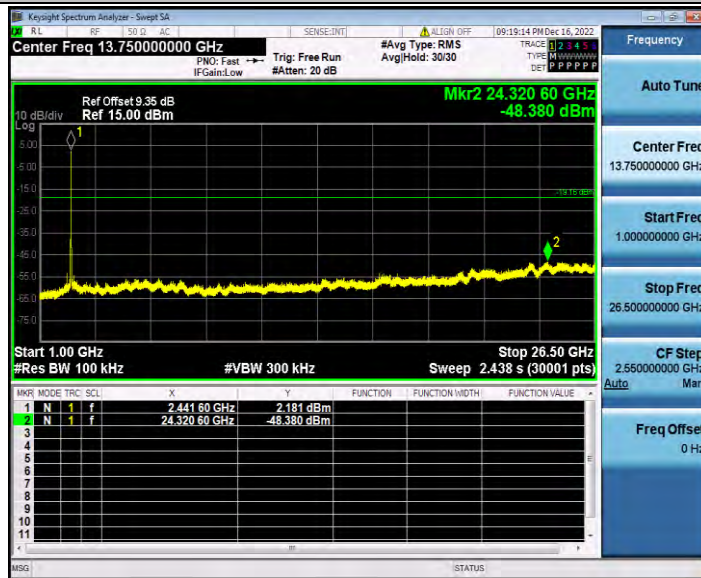
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



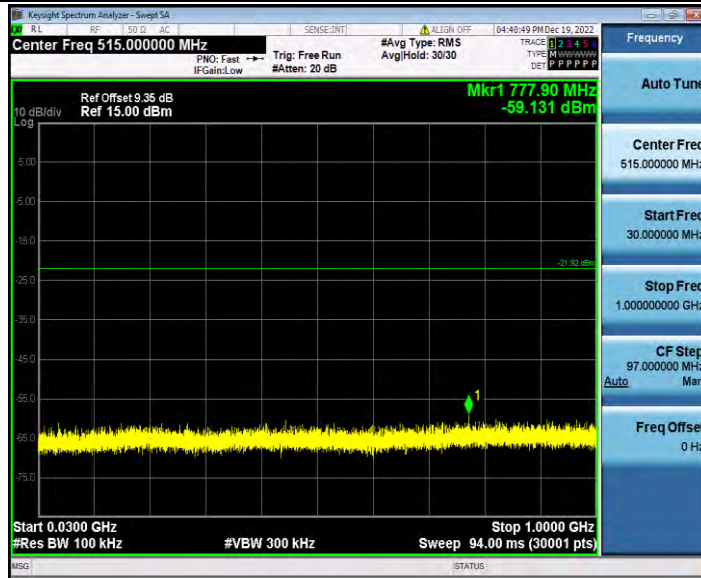
11N20SISO_Ant1_2437_1000~26500



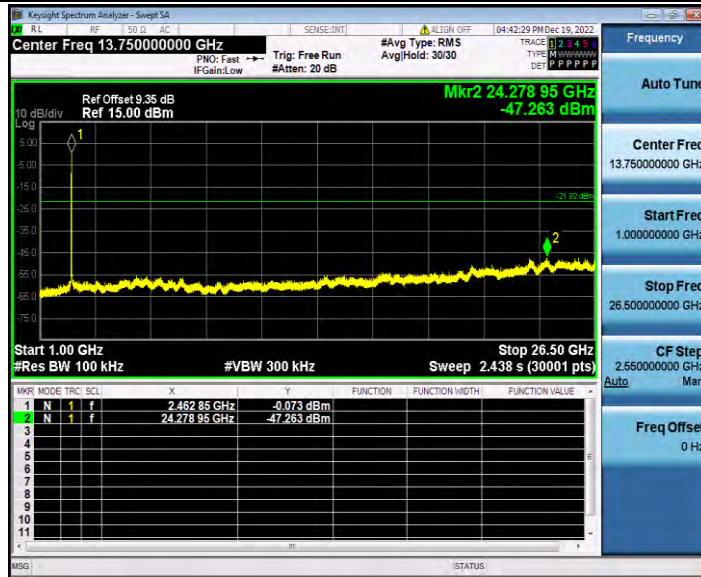
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



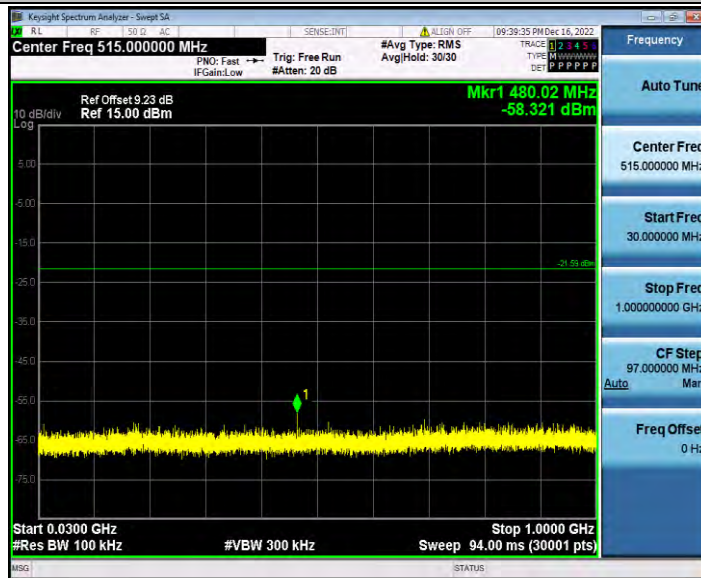
11N20SISO_Ant1_2462_1000~26500



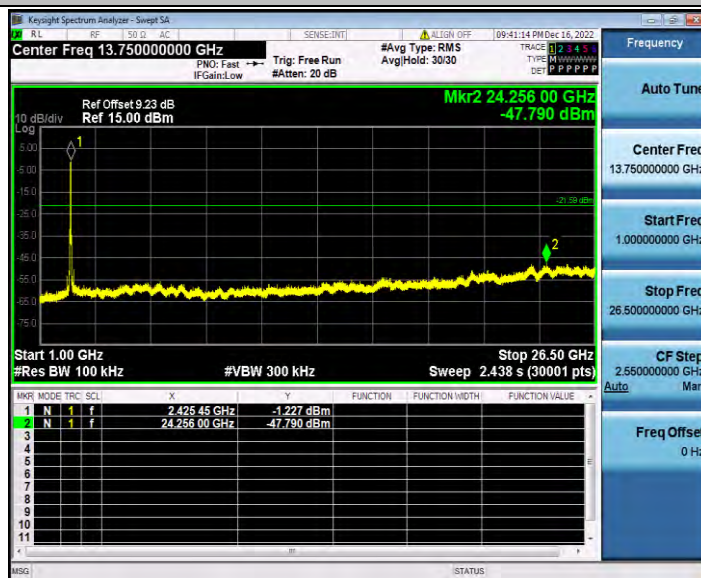
11N40SISO_Ant1_2422_0~Reference



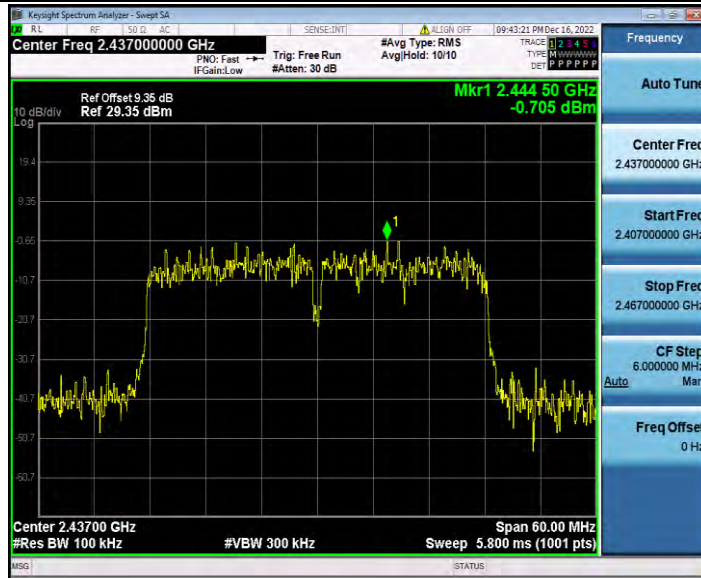
11N40SISO_Ant1_2422_30~1000



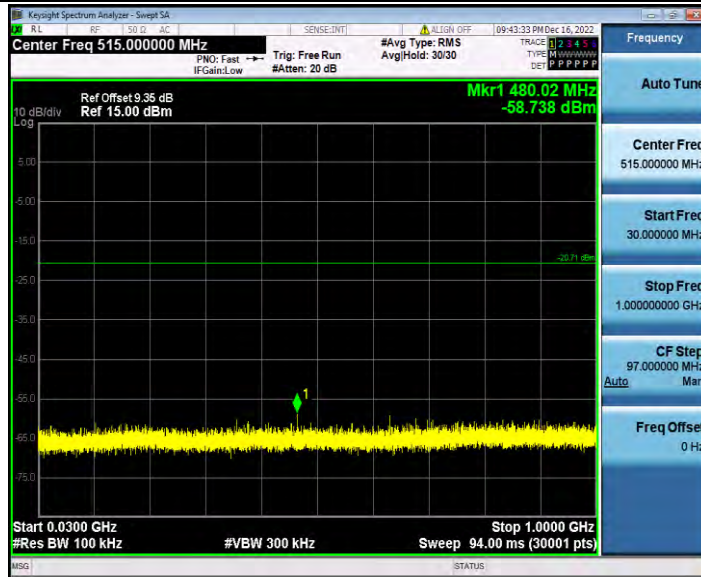
11N40SISO_Ant1_2422_1000~26500



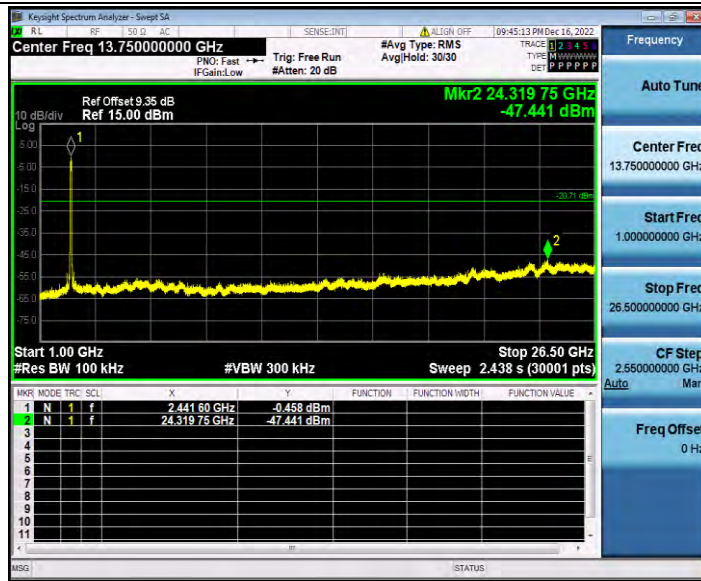
11N40SISO_Ant1_2437_0~Reference



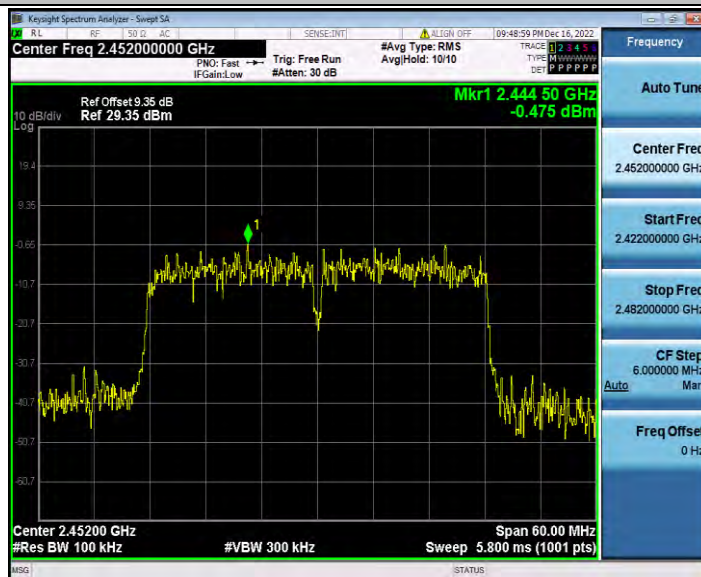
11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000

