

Case No. : <u>GTS20241124011-1-01</u>	
Ambient Condition: <u>23</u> °C, <u>54</u> %RH,	
According Standard: ■Part15C	
Test Date: <u>2024.10.27</u>	Test Engineer: <u>Evan ouyang</u>

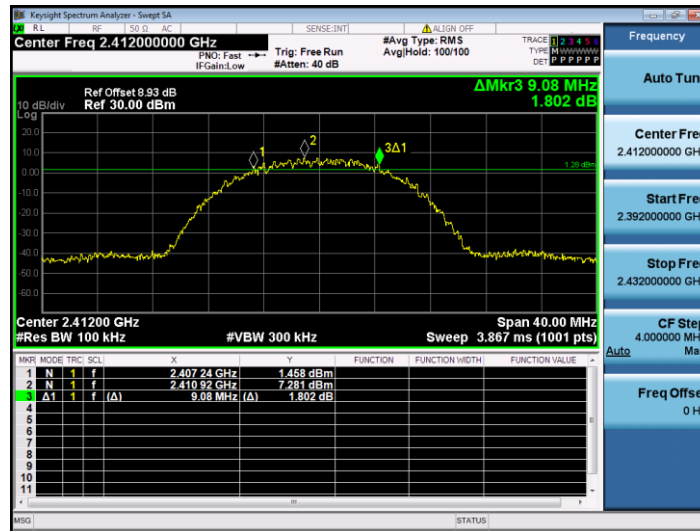
Appendix A.1: DTS Bandwidth

Test Result

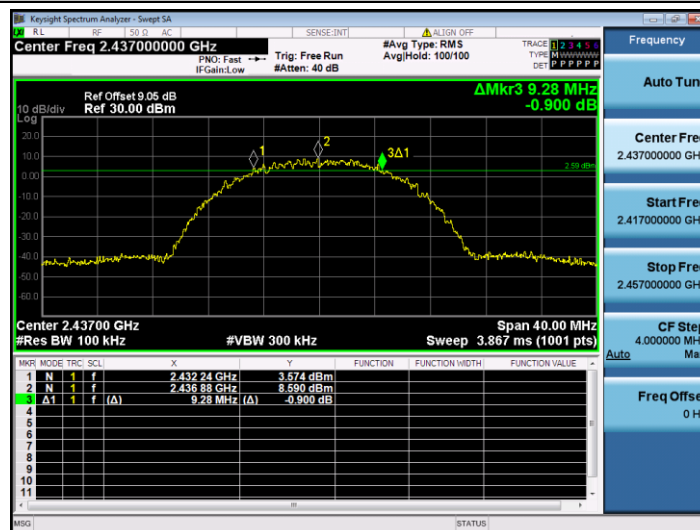
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.240	2416.320	0.5	PASS
		2437	9.280	2432.240	2441.520	0.5	PASS
		2462	9.720	2457.240	2466.960	0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	0.5	PASS
		2437	16.480	2428.760	2445.240	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.120	2420.800	0.5	PASS
		2437	17.720	2428.160	2445.880	0.5	PASS
		2462	17.680	2453.160	2470.840	0.5	PASS
11N40SISO	Ant1	2422	36.480	2403.760	2440.240	0.5	PASS
		2437	36.480	2418.760	2455.240	0.5	PASS
		2452	36.560	2433.680	2470.240	0.5	PASS

Test Graphs

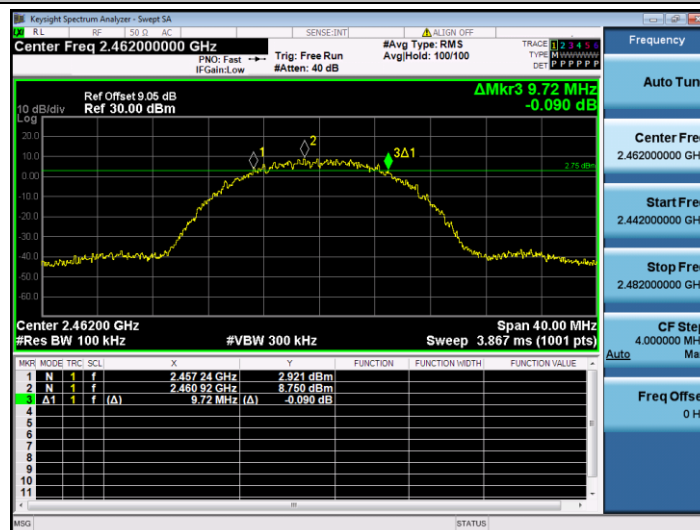
11B_Ant1_2412



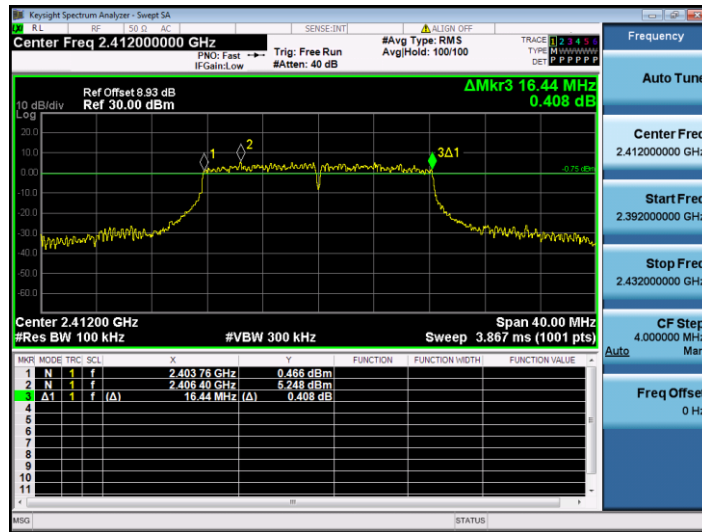
11B_Ant1_2437



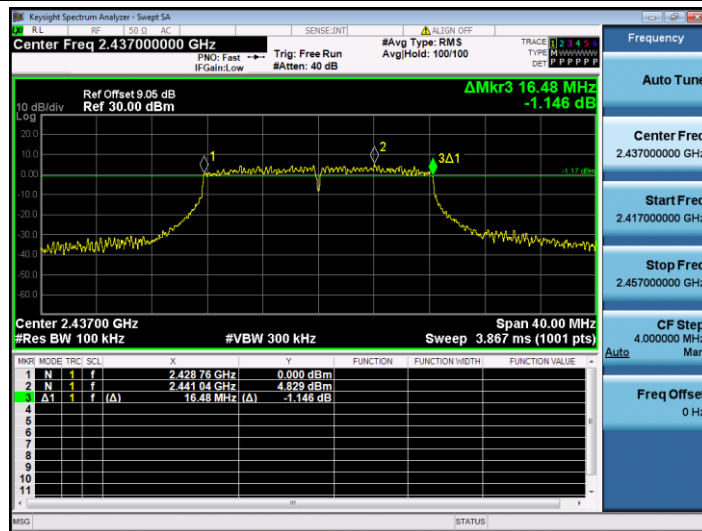
11B_Ant1_2462



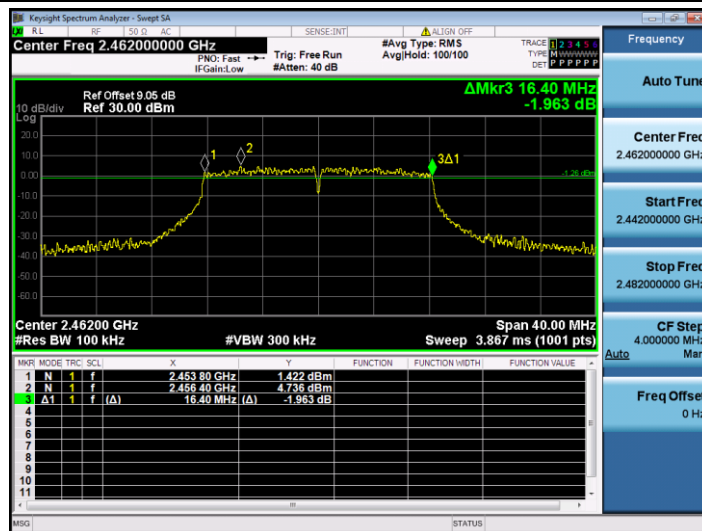
11G_Ant1_2412



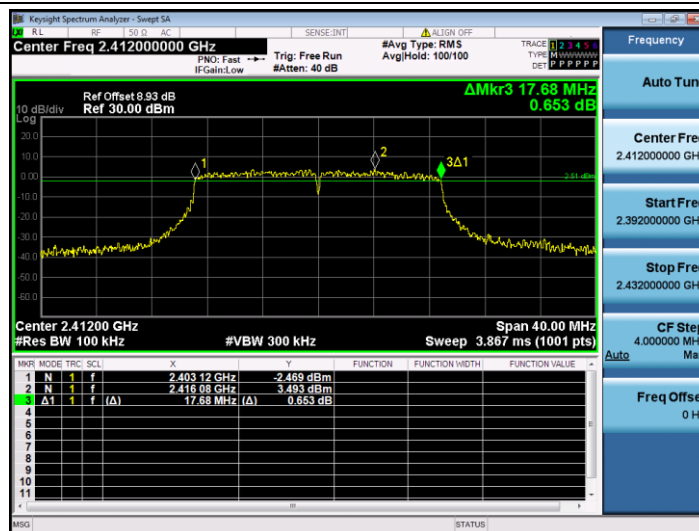
11G_Ant1_2437



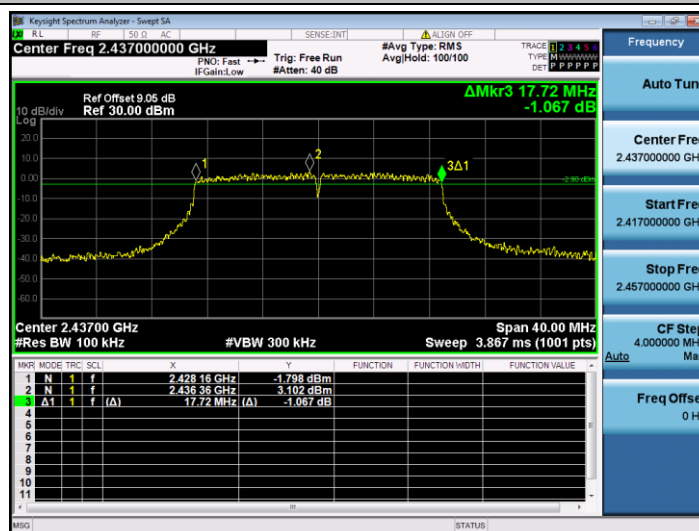
11G_Ant1_2462



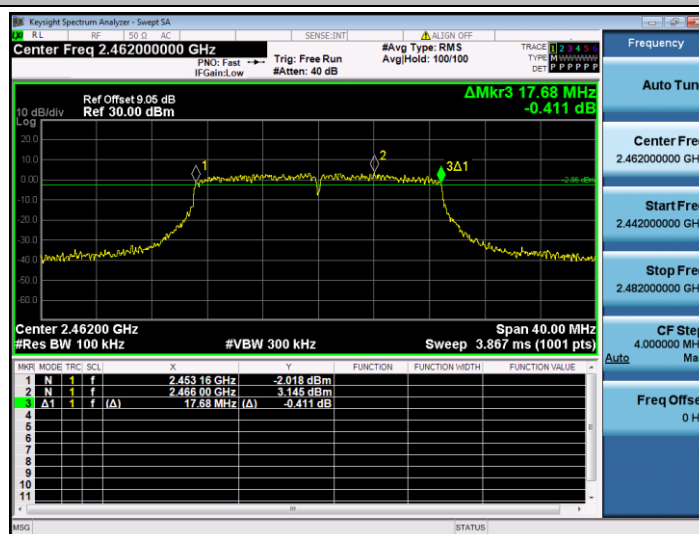
11N20SISO_Ant1_2412



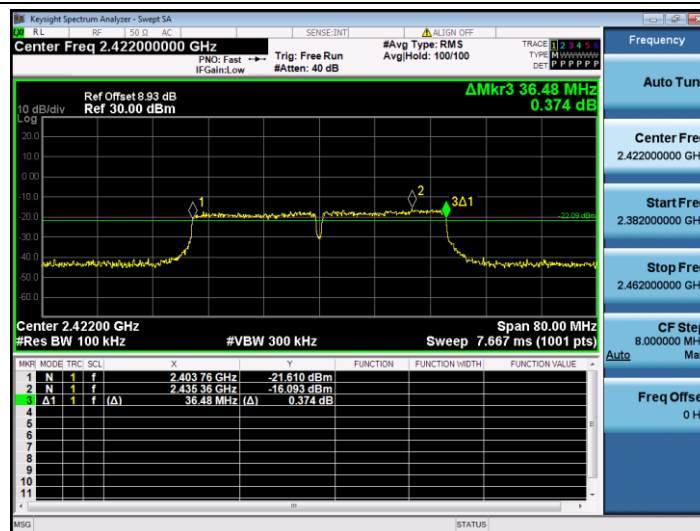
11N20SISO_Ant1_2437



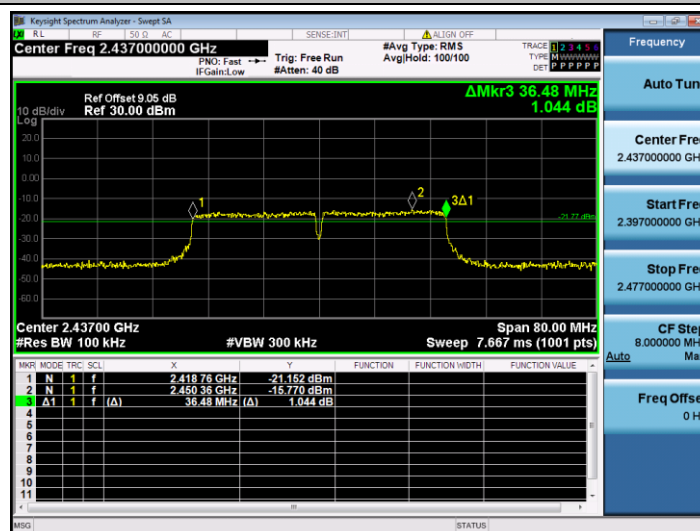
11N20SISO_Ant1_2462



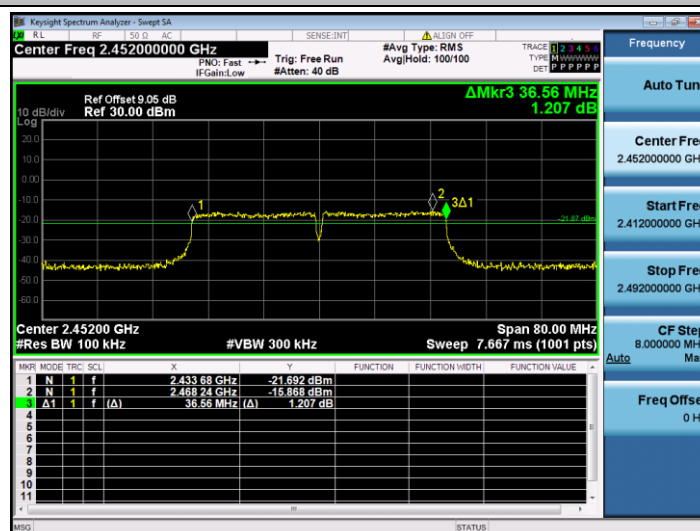
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



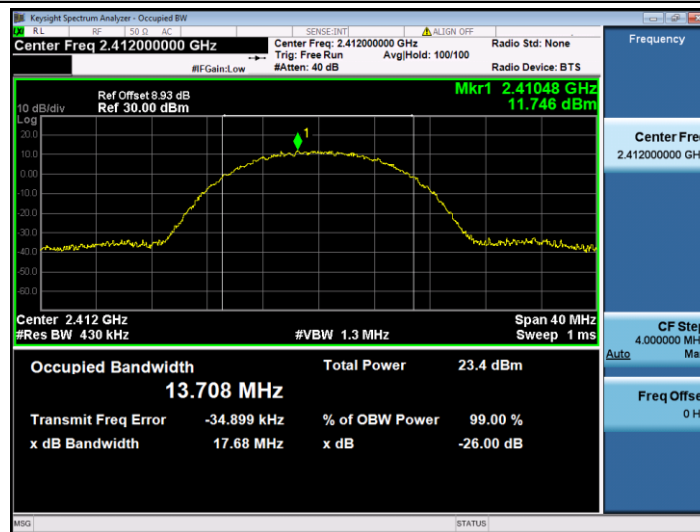
Appendix A.2: Occupied Channel Bandwidth

Test Result

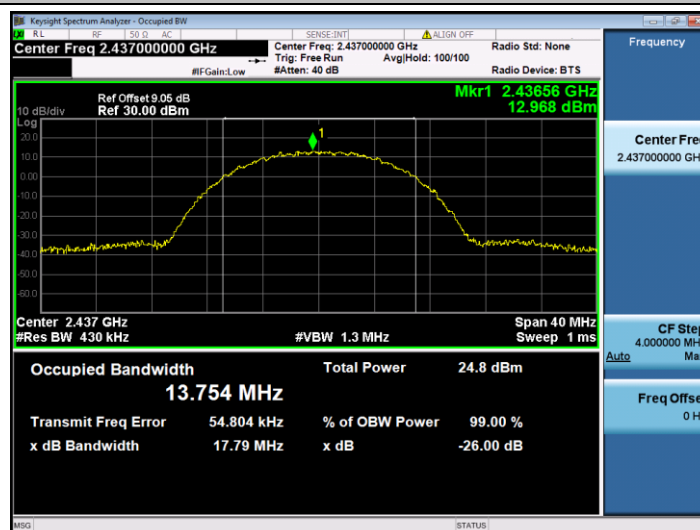
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.708	2405.1111	2418.8191	---	---
		2437	13.754	2430.1778	2443.9318	---	---
		2462	13.717	2455.1574	2468.8744	---	---
11G	Ant1	2412	16.711	2403.6063	2420.3173	---	---
		2437	16.700	2428.6451	2445.3451	---	---
		2462	16.682	2453.6431	2470.3251	---	---
11N20SISO	Ant1	2412	17.729	2403.1064	2420.8354	---	---
		2437	17.771	2428.1123	2445.8833	---	---
		2462	17.675	2453.1599	2470.8349	---	---
11N40SISO	Ant1	2422	37.423	2403.4281	2440.8511	---	---
		2437	37.203	2418.4944	2455.6974	---	---
		2452	37.318	2433.4114	2470.7294	---	---

Test Graphs

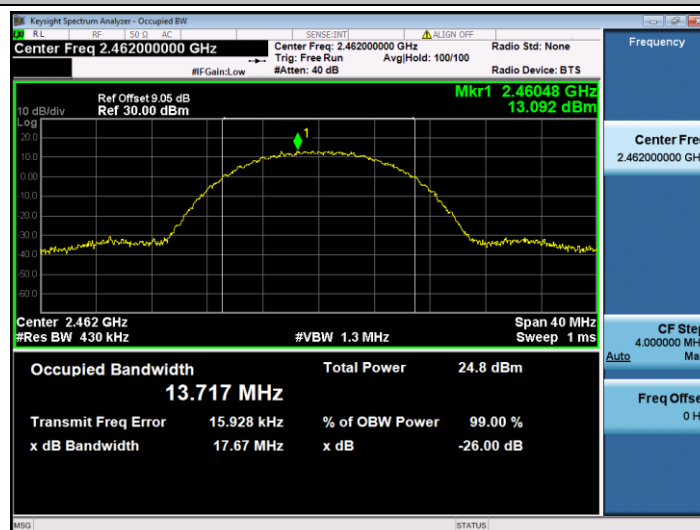
11B_Ant1_2412



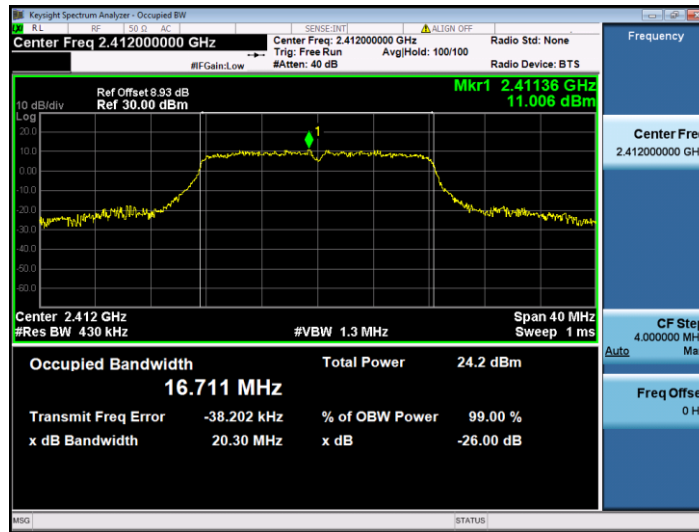
11B_Ant1_2437



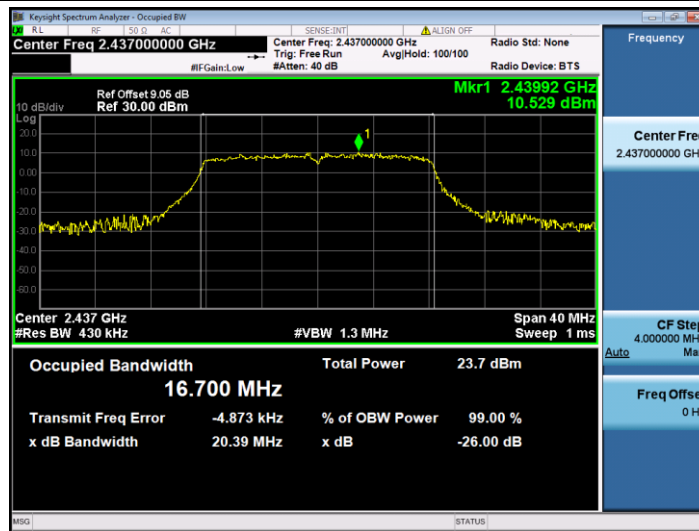
11B_Ant1_2462



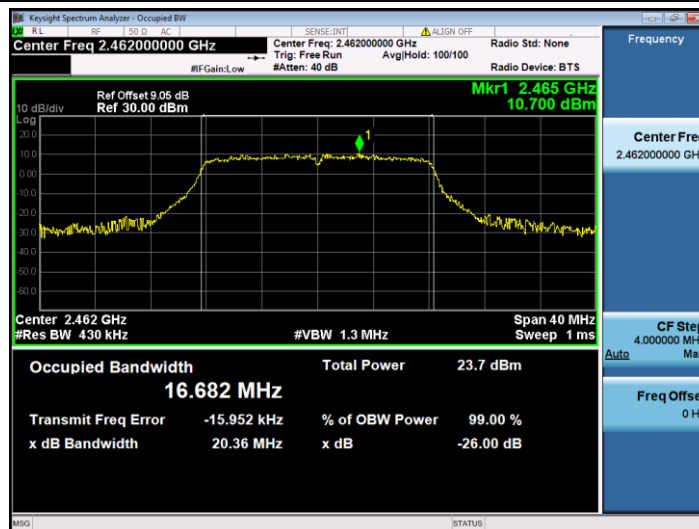
11G_Ant1_2412



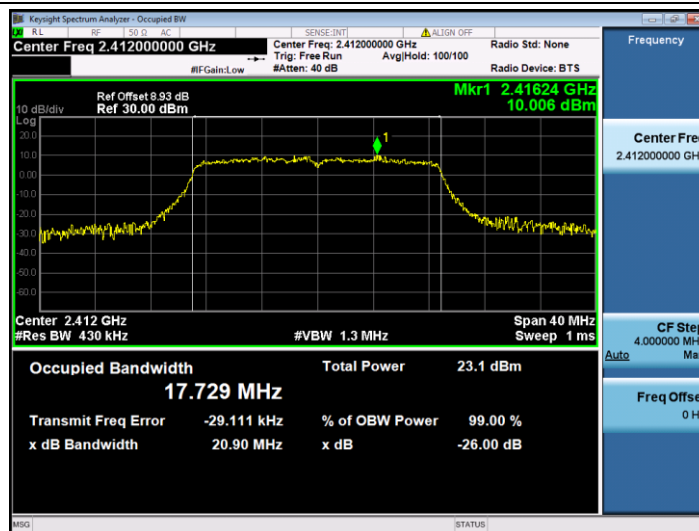
11G_Ant1_2437



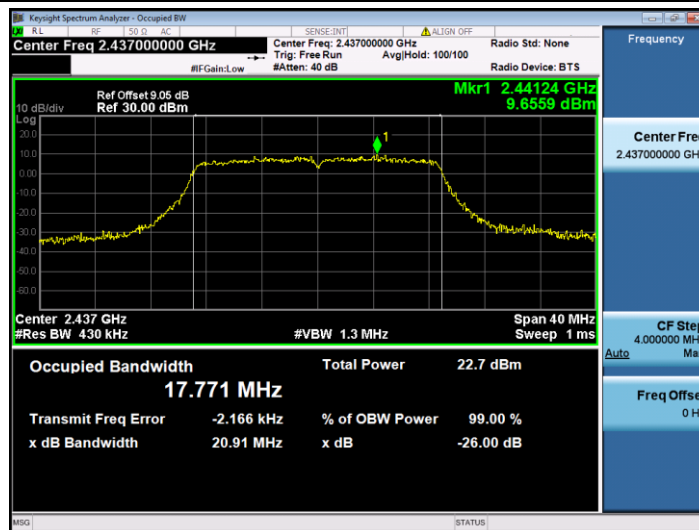
11G_Ant1_2462



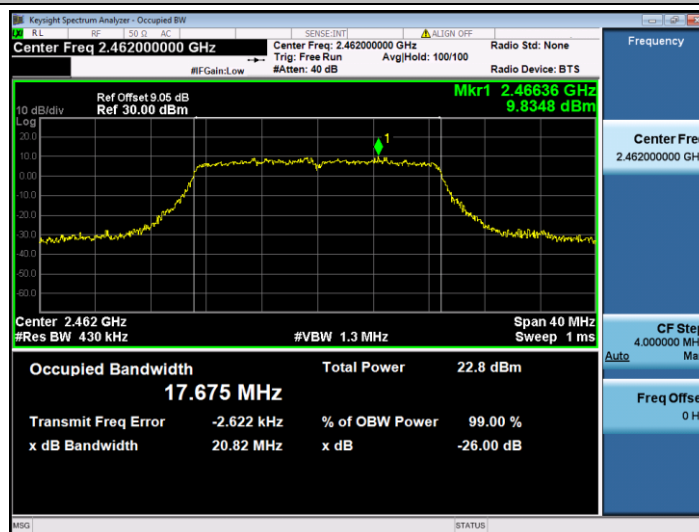
11N20SISO_Ant1_2412



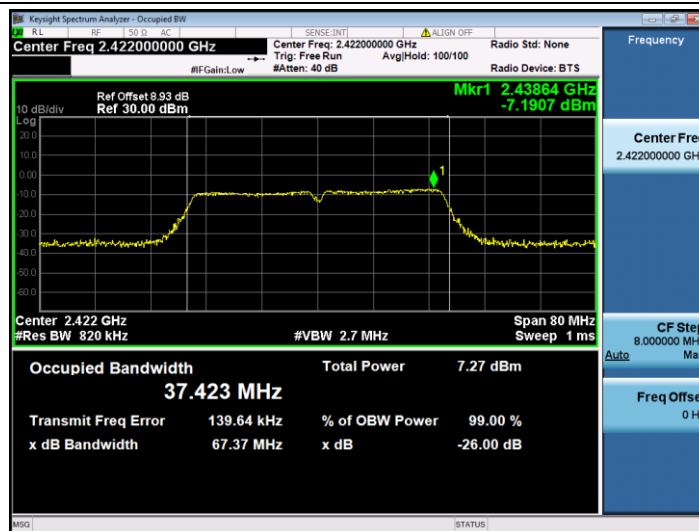
11N20SISO_Ant1_2437



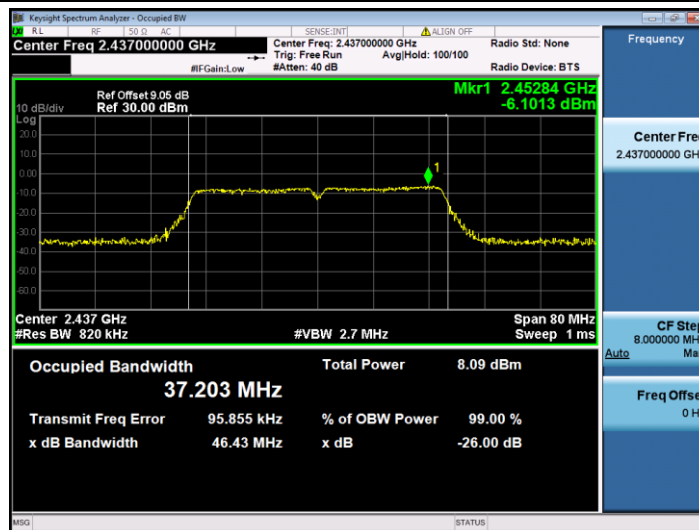
11N20SISO_Ant1_2462



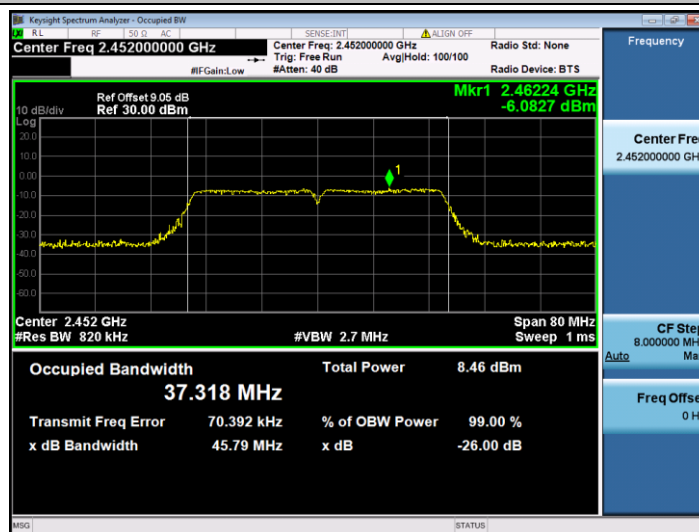
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Result -CHP

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	23.01	≤30.00	PASS
		2437	24.44	≤30.00	PASS
		2462	24.51	≤30.00	PASS
11G	Ant1	2412	25.38	≤30.00	PASS
		2437	24.88	≤30.00	PASS
		2462	24.99	≤30.00	PASS
11N20SISO	Ant1	2412	24.02	≤30.00	PASS
		2437	23.49	≤30.00	PASS
		2462	23.68	≤30.00	PASS
11N40SISO	Ant1	2422	23.38	≤30.00	PASS
		2437	24.25	≤30.00	PASS
		2452	22.15	≤30.00	PASS

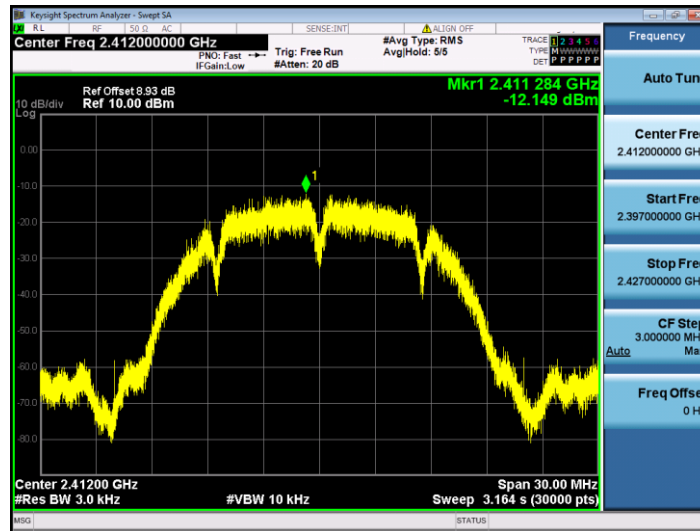
Appendix A.4: Maximum power spectral density

Test Result

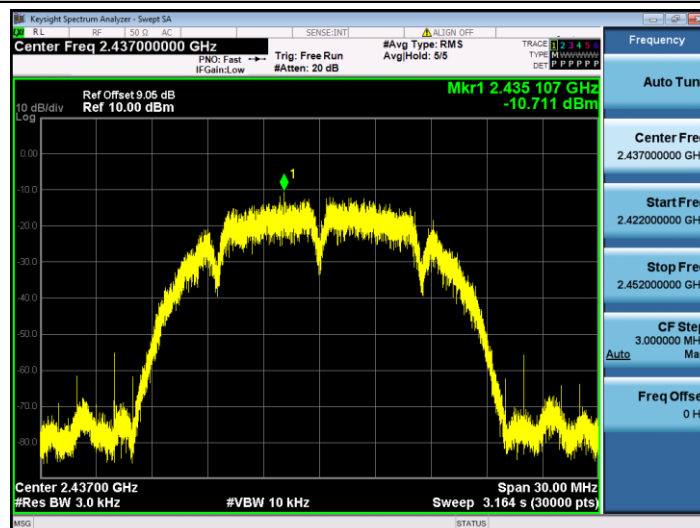
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.15	≤8.00	PASS
		2437	-10.71	≤8.00	PASS
		2462	-9.90	≤8.00	PASS
11G	Ant1	2412	-12.78	≤8.00	PASS
		2437	-12.12	≤8.00	PASS
		2462	-12.22	≤8.00	PASS
11N20SISO	Ant1	2412	-12.94	≤8.00	PASS
		2437	-12.97	≤8.00	PASS
		2462	-12.52	≤8.00	PASS
11N40SISO	Ant1	2422	-17.21	≤8.00	PASS
		2437	-15.55	≤8.00	PASS
		2452	-16.04	≤8.00	PASS

Test Graphs

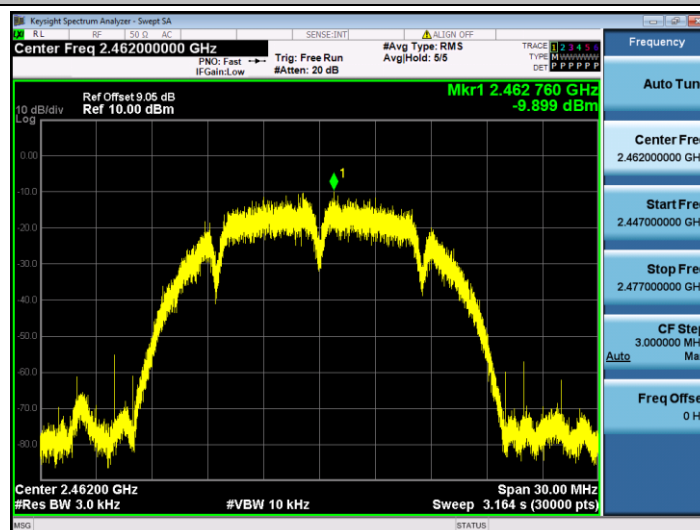
11B_Ant1_2412



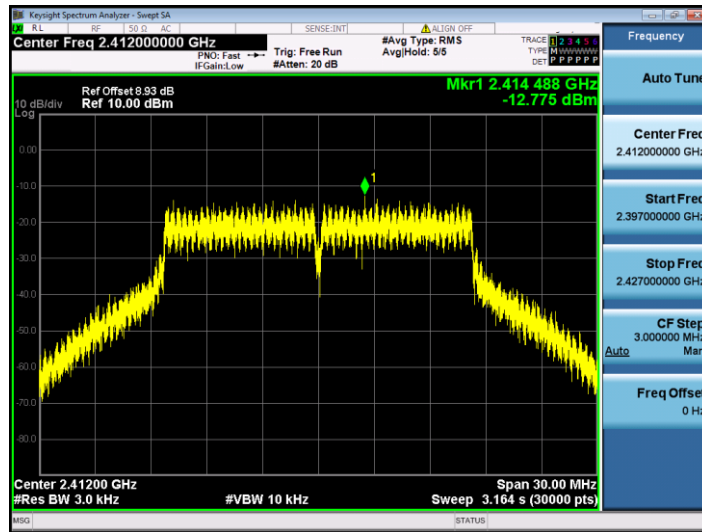
11B_Ant1_2437



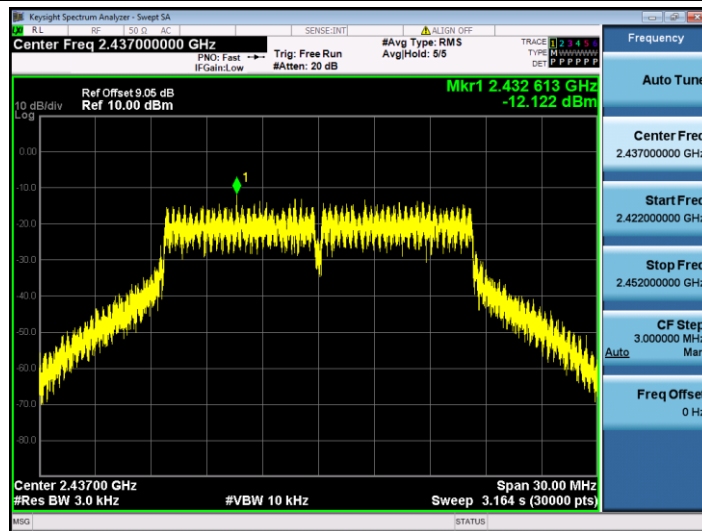
11B_Ant1_2462



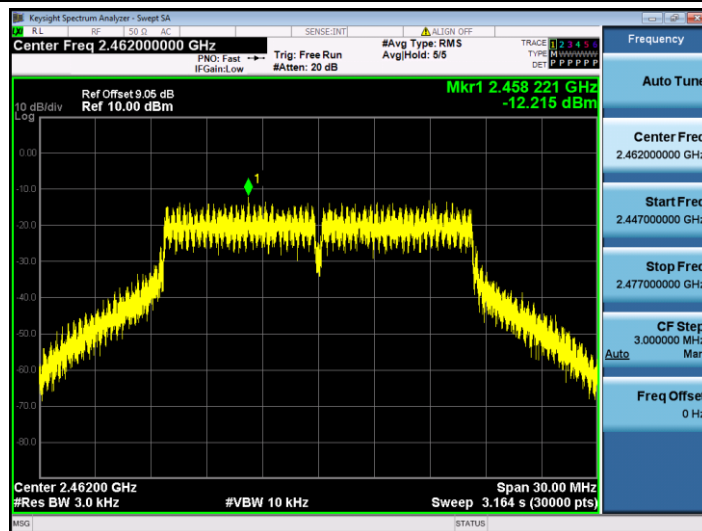
11G_Ant1_2412



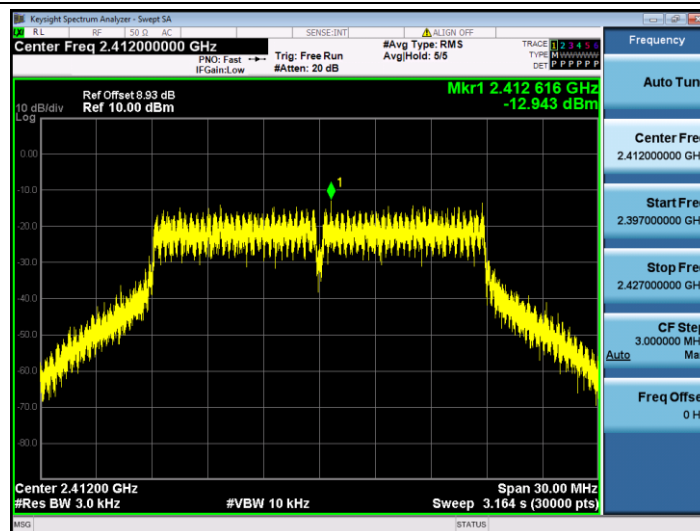
11G_Ant1_2437



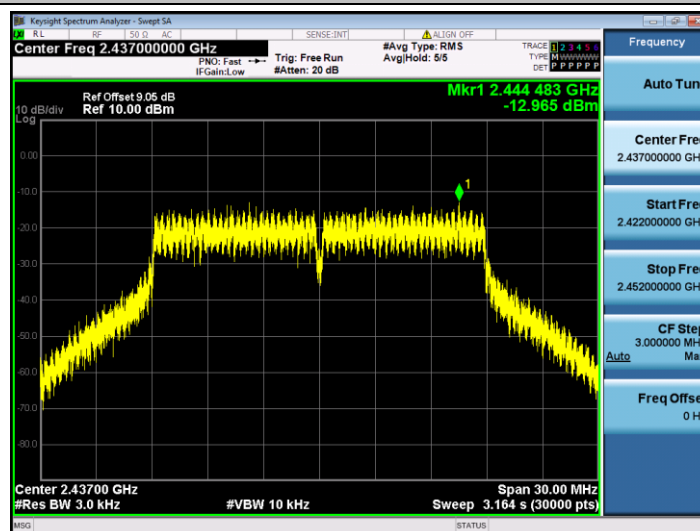
11G_Ant1_2462



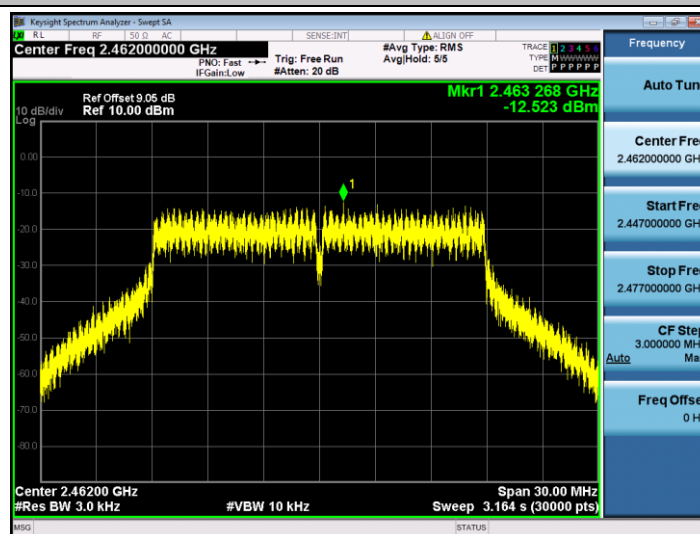
11N20SISO_Ant1_2412



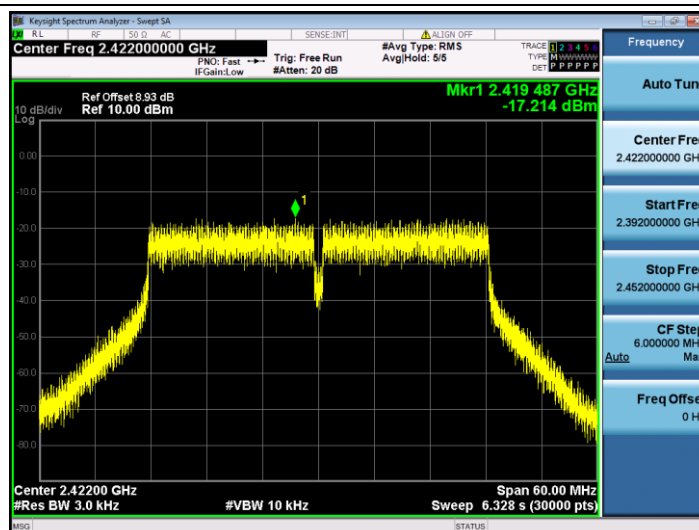
11N20SISO_Ant1_2437



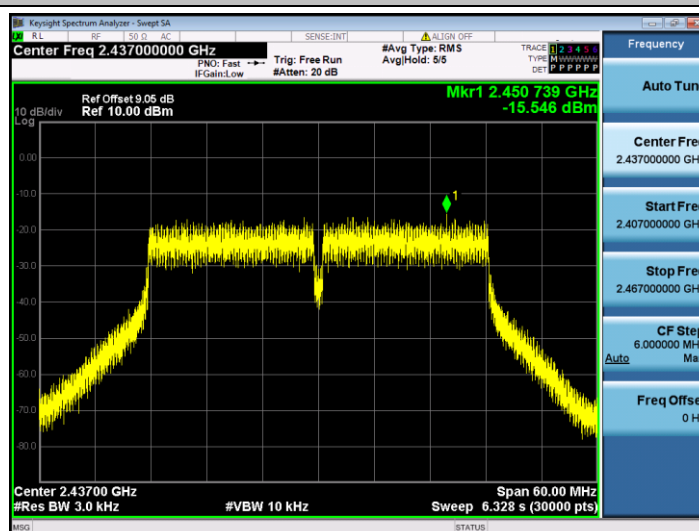
11N20SISO_Ant1_2462



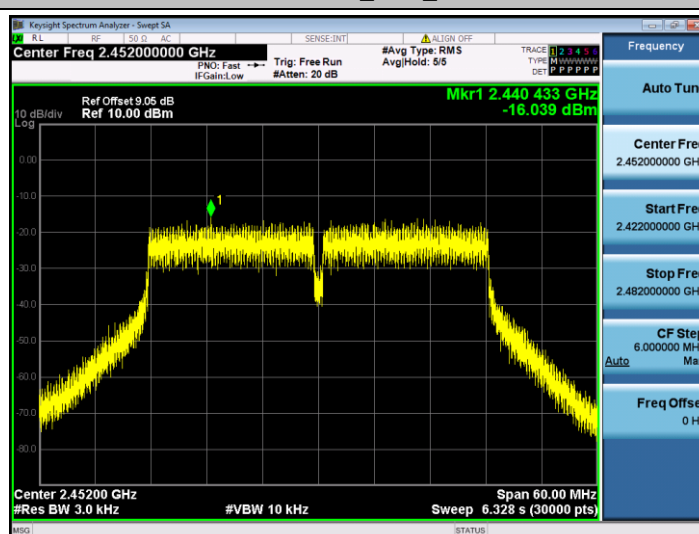
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



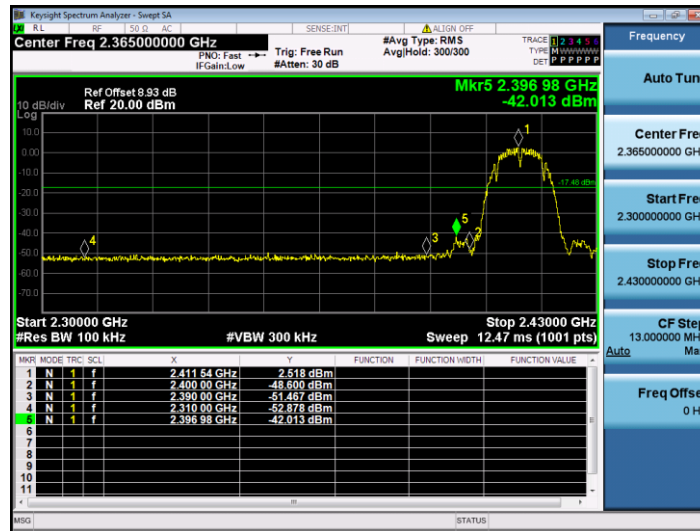
Appendix A.5: Band edge measurements

Test Result

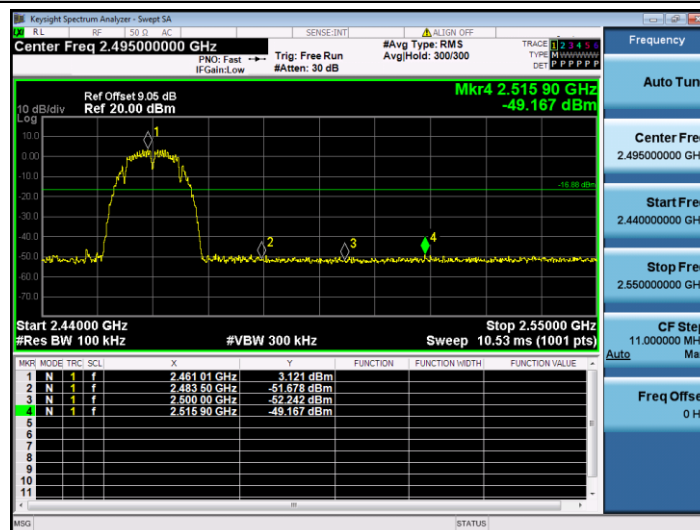
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.52	-42.01	≤-17.48	PASS
		High	2462	3.12	-49.17	≤-16.88	PASS
11G	Ant1	Low	2412	1.21	-28.21	≤-18.79	PASS
		High	2462	1.89	-48.87	≤-18.12	PASS
11N20SISO	Ant1	Low	2412	1.21	-29.26	≤-18.79	PASS
		High	2462	1.73	-49.14	≤-18.27	PASS
11N40SISO	Ant1	Low	2422	-2.07	-30.23	≤-22.07	PASS
		High	2452	-1.47	-45.73	≤-21.47	PASS

Test Graphs

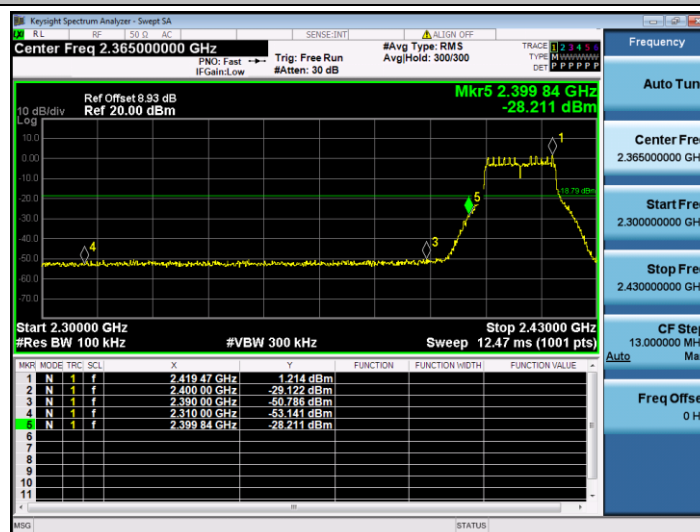
11B_Ant1_Low_2412



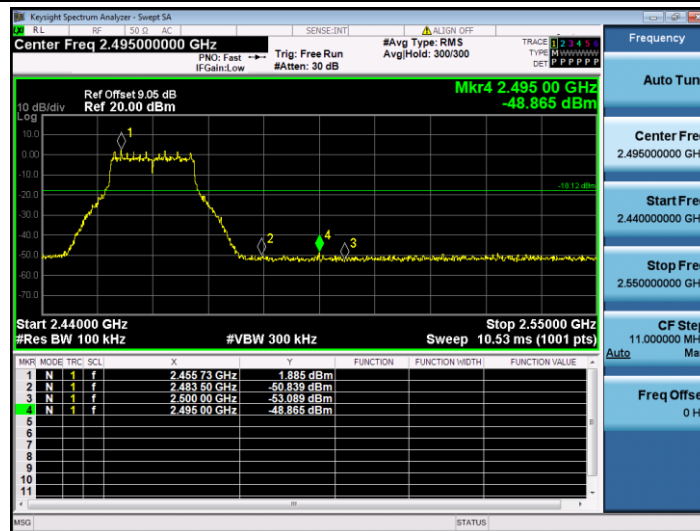
11B_Ant1_High_2462



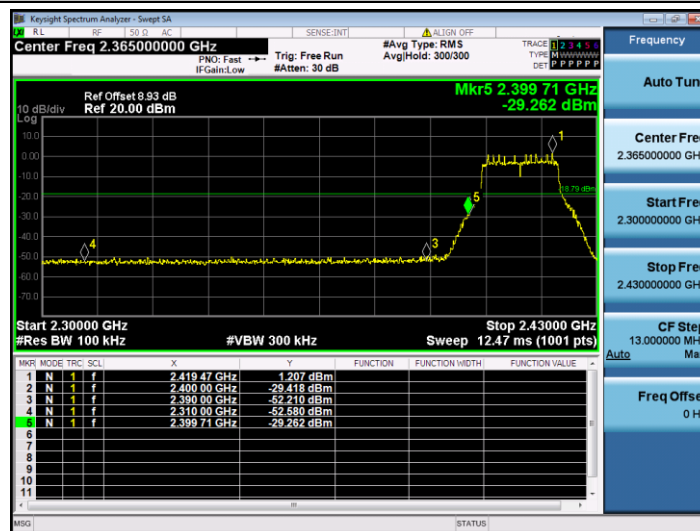
11G_Ant1_Low_2412



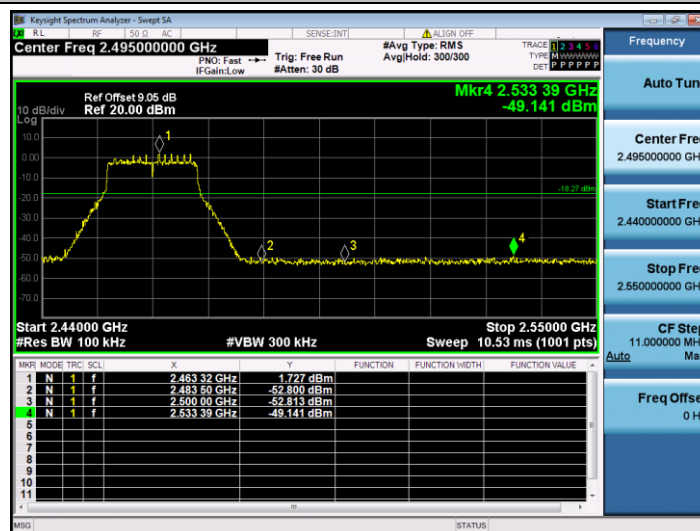
11G_Ant1_High_2462



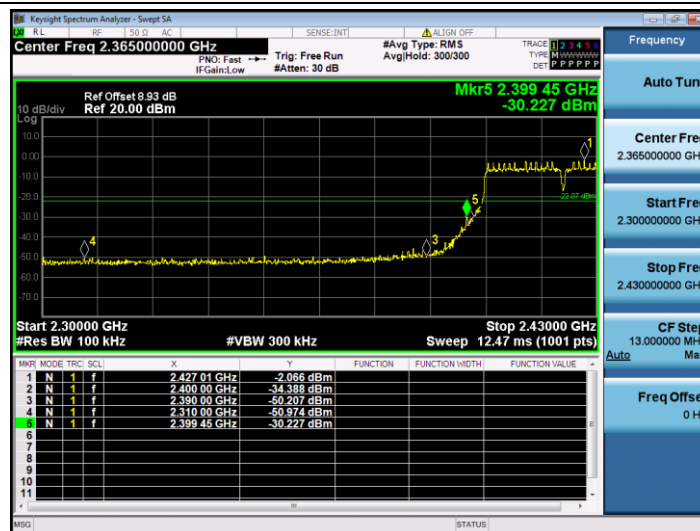
11N20SISO_Ant1_Low_2412



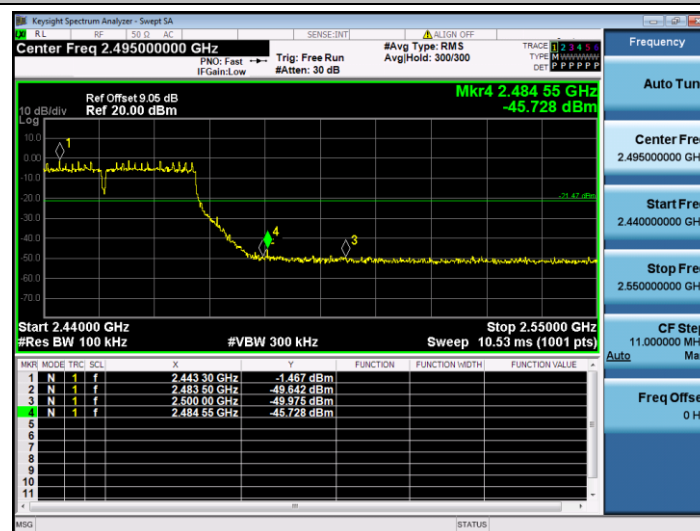
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



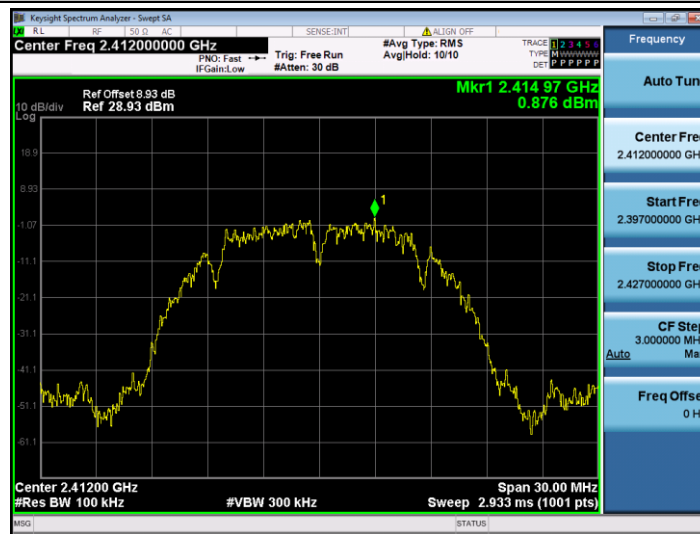
Appendix A.6: Conducted Spurious Emission

Test Result

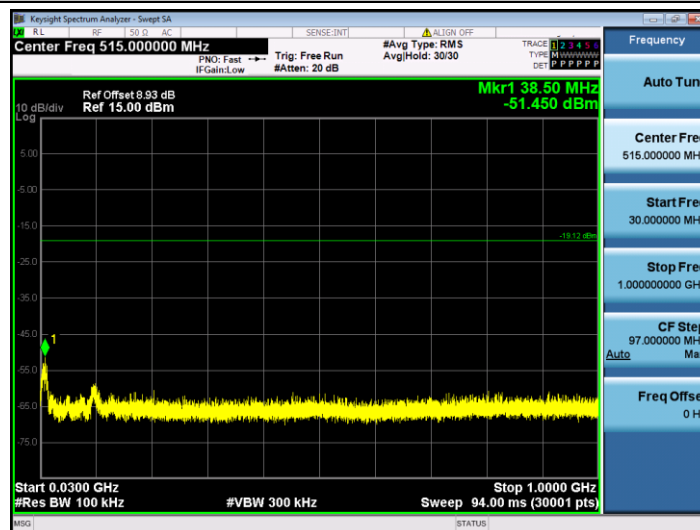
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-51.45	≤-19.12	PASS
			1000~26500	0.88	-48.54	≤-19.12	PASS
		2437	Reference	2.07	2.07	---	PASS
			30~1000	2.07	-28.77	≤-17.93	PASS
			1000~26500	2.07	-47.59	≤-17.93	PASS
		2462	Reference	2.24	2.24	---	PASS
			30~1000	2.24	-55.84	≤-17.76	PASS
			1000~26500	2.24	-47.45	≤-17.76	PASS
11G	Ant1	2412	Reference	-14.87	-14.87	---	PASS
			30~1000	-14.87	-60.22	≤-34.87	PASS
			1000~26500	-14.87	-47.64	≤-34.87	PASS
		2437	Reference	-13.50	-13.50	---	PASS
			30~1000	-13.50	-60.44	≤-33.5	PASS
			1000~26500	-13.50	-47.5	≤-33.5	PASS
		2462	Reference	-12.86	-12.86	---	PASS
			30~1000	-12.86	-60.71	≤-32.86	PASS
			1000~26500	-12.86	-48.2	≤-32.86	PASS
11N20SISO	Ant1	2412	Reference	-14.92	-14.92	---	PASS
			30~1000	-14.92	-59.08	≤-34.92	PASS
			1000~26500	-14.92	-46.68	≤-34.92	PASS
		2437	Reference	-13.60	-13.60	---	PASS
			30~1000	-13.60	-59.52	≤-33.6	PASS
			1000~26500	-13.60	-47.73	≤-33.6	PASS
		2462	Reference	-13.67	-13.67	---	PASS
			30~1000	-13.67	-60.94	≤-33.67	PASS
			1000~26500	-13.67	-46.61	≤-33.67	PASS
11N40SISO	Ant1	2422	Reference	-16.55	-16.55	---	PASS
			30~1000	-16.55	-59.95	≤-36.55	PASS
			1000~26500	-16.55	-47.86	≤-36.55	PASS
		2437	Reference	-15.94	-15.94	---	PASS
			30~1000	-15.94	-60.24	≤-35.94	PASS
			1000~26500	-15.94	-48.22	≤-35.94	PASS
		2452	Reference	-16.09	-16.09	---	PASS
			30~1000	-16.09	-61.24	≤-36.09	PASS
			1000~26500	-16.09	-47.86	≤-36.09	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500

