

Case No. : <u>GTS20221031017-1-11</u>	
Ambient Condition: <u>26</u> °C, <u>52</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.07</u>	Test Engineer: <u>Jenny zeng</u>

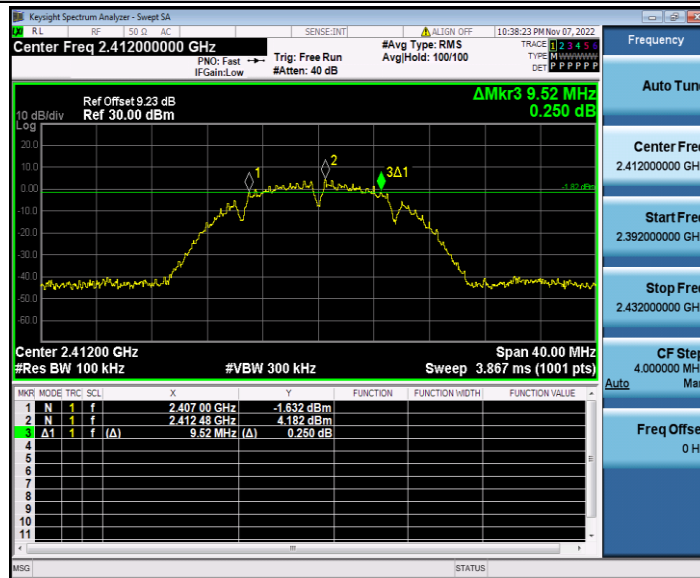
Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.520	2407.000	2416.520	0.5	PASS
		2437	9.080	2432.440	2441.520	0.5	PASS
		2462	9.560	2457.440	2467.000	0.5	PASS
11G	Ant1	2412	15.920	2404.000	2419.920	0.5	PASS
		2437	16.040	2429.080	2445.120	0.5	PASS
		2462	16.280	2453.840	2470.120	0.5	PASS
11N20SISO	Ant1	2412	16.320	2404.080	2420.400	0.5	PASS
		2437	15.880	2429.480	2445.360	0.5	PASS
		2462	16.800	2453.600	2470.400	0.5	PASS
11N40SISO	Ant1	2422	34.160	2405.360	2439.520	0.5	PASS
		2437	33.920	2420.360	2454.280	0.5	PASS
		2452	32.000	2436.560	2468.560	0.5	PASS

Test Graphs

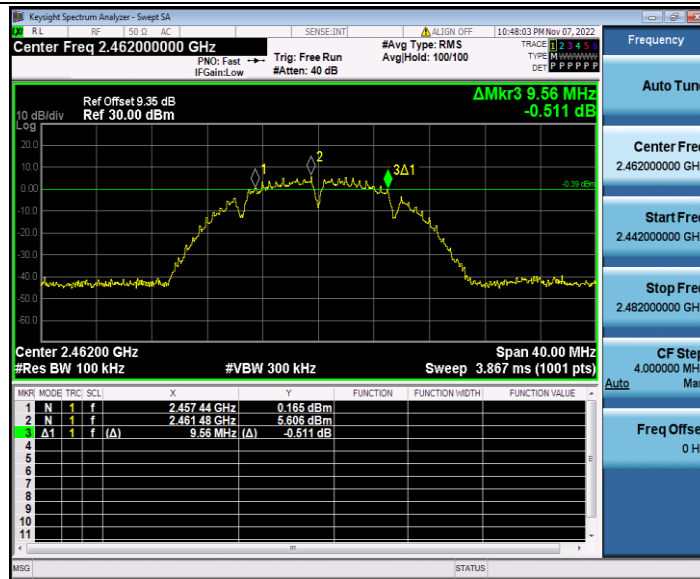
11B_Ant1_2412



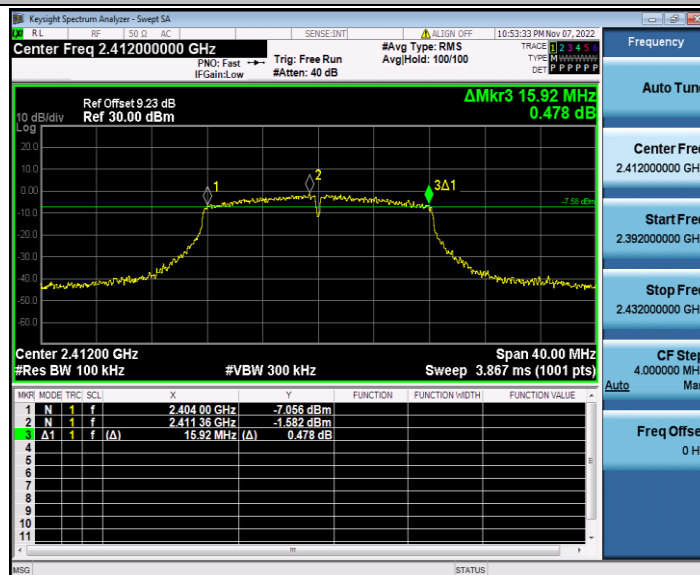
11B_Ant1_2437



11B_Ant1_2462



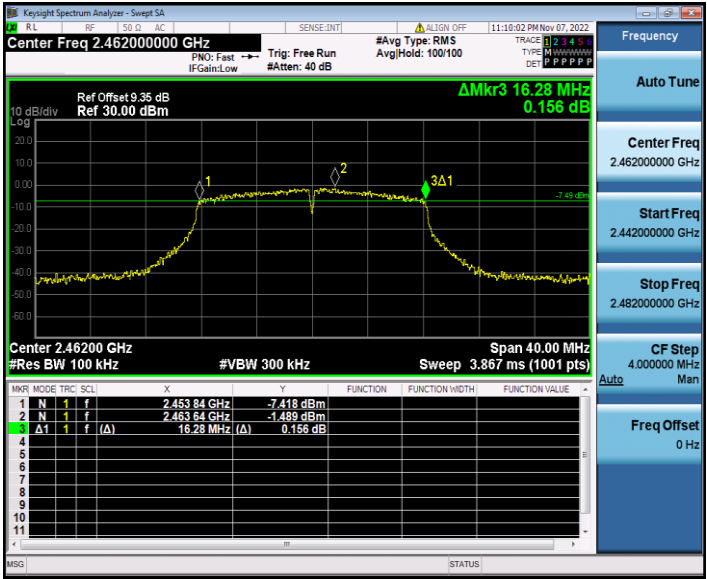
11G_Ant1_2412



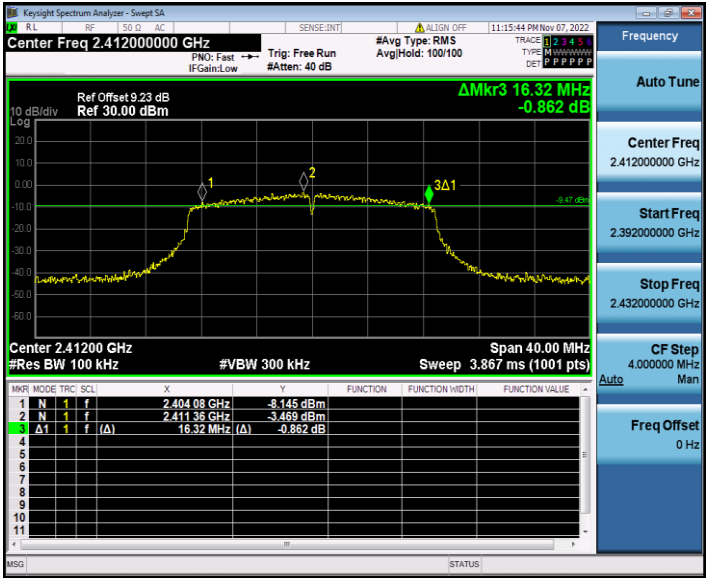
11G_Ant1_2437



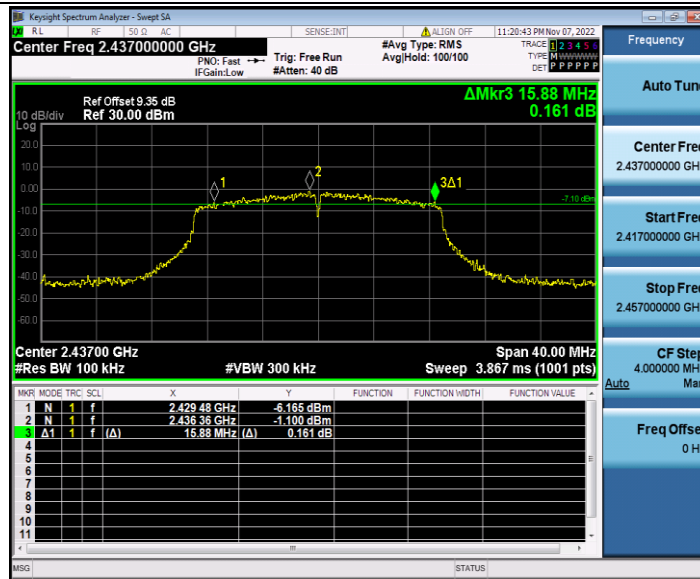
11G_Ant1_2462



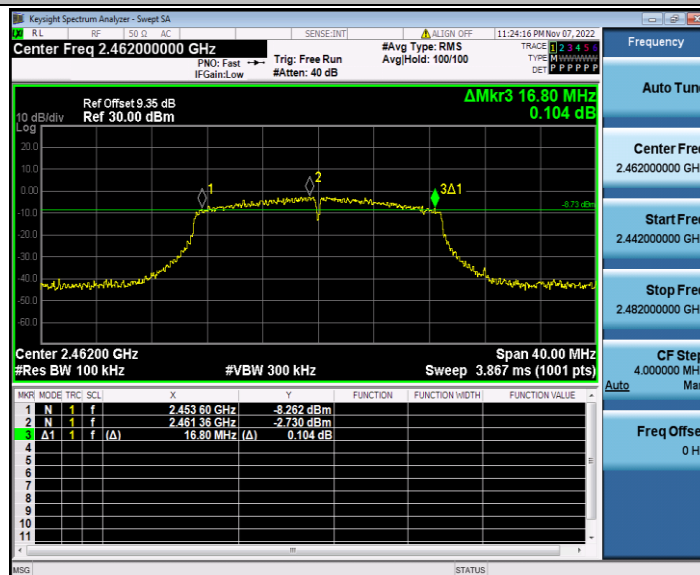
11N20SISO_Ant1_2412



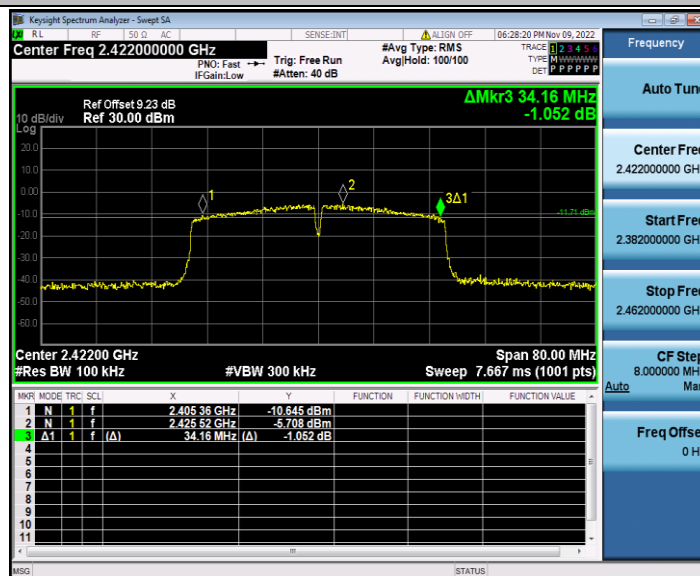
11N20SISO_Ant1_2437



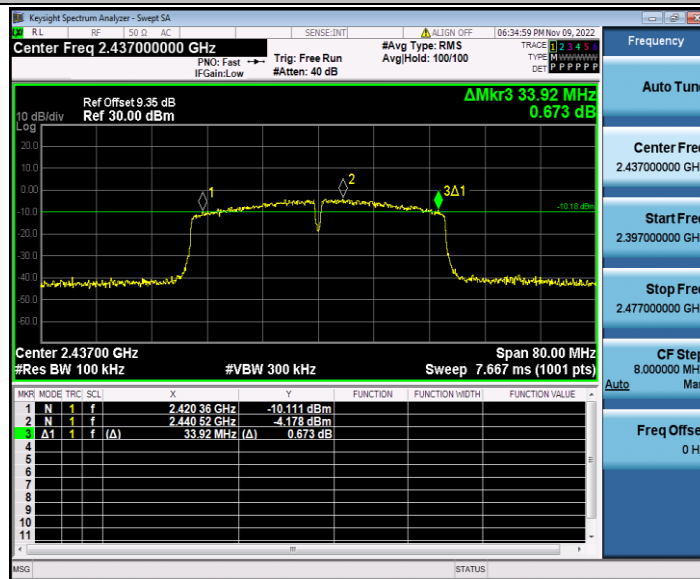
11N20SISO_Ant1_2462



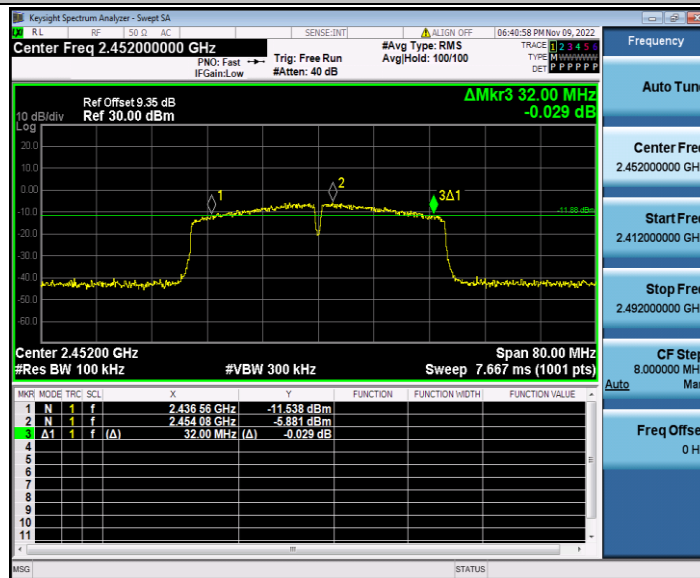
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



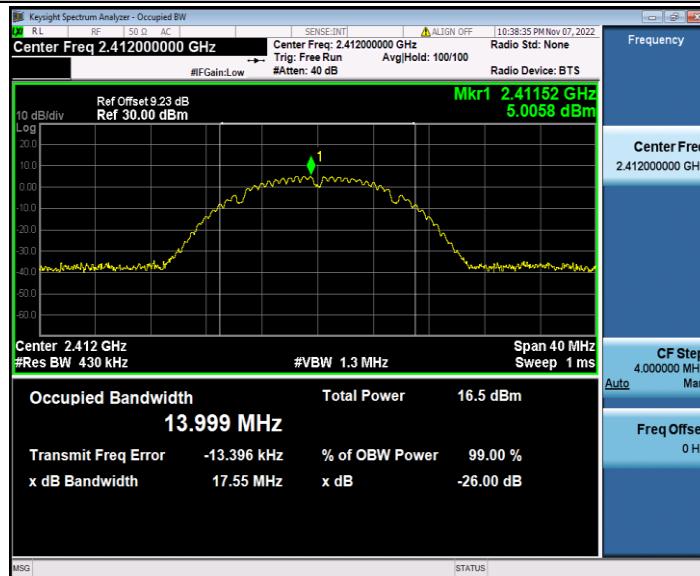
Appendix A.2: Occupied Channel Bandwidth

Test Result

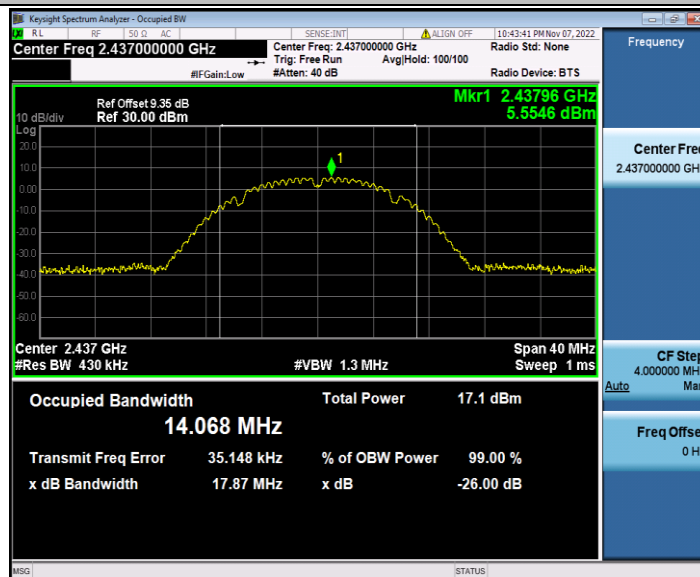
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.999	2404.987	2418.986	---	---
		2437	14.068	2430.001	2444.069	---	---
		2462	13.966	2454.999	2468.965	---	---
11G	Ant1	2412	16.477	2403.725	2420.202	---	---
		2437	16.483	2428.749	2445.232	---	---
		2462	16.517	2453.676	2470.193	---	---
11N20SISO	Ant1	2412	17.572	2403.182	2420.754	---	---
		2437	17.571	2428.230	2445.801	---	---
		2462	17.561	2453.192	2470.753	---	---
11N40SISO	Ant1	2422	35.527	2404.295	2439.822	---	---
		2437	35.388	2419.402	2454.790	---	---
		2452	35.315	2434.413	2469.728	---	---

Test Graphs

11B_Ant1_2412



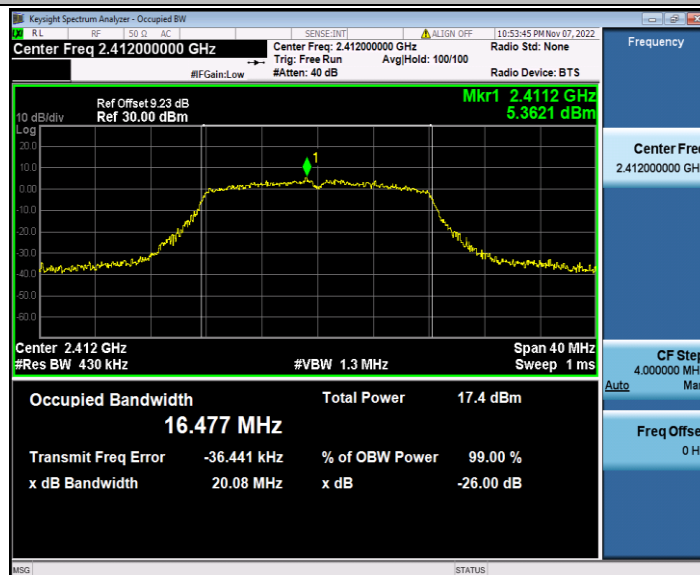
11B_Ant1_2437



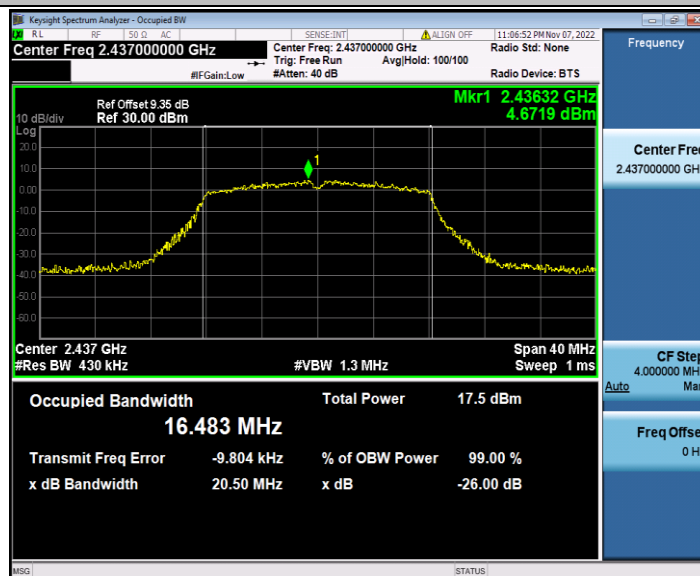
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



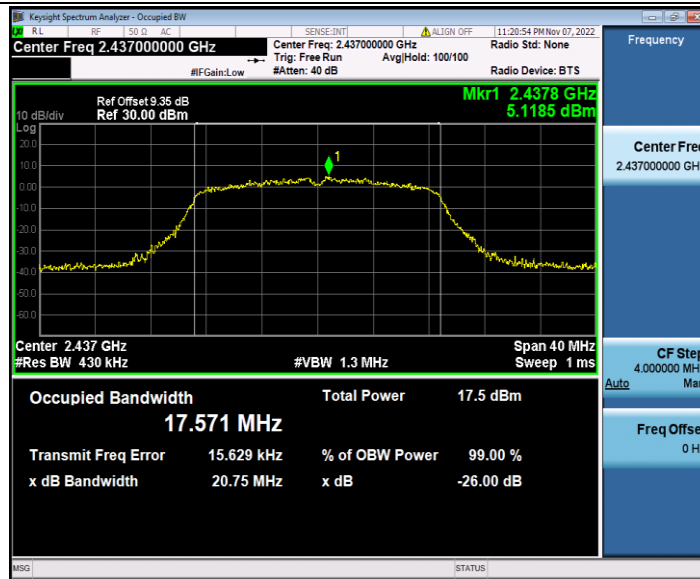
11G_Ant1_2462



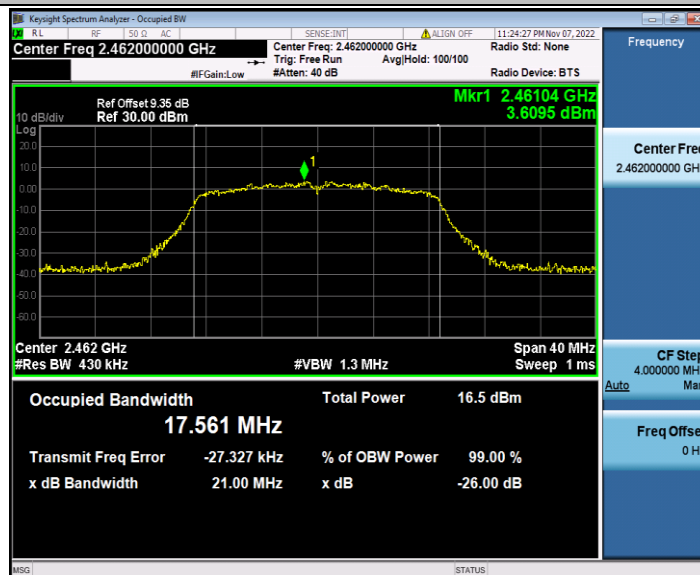
11N20SISO_Ant1_2412



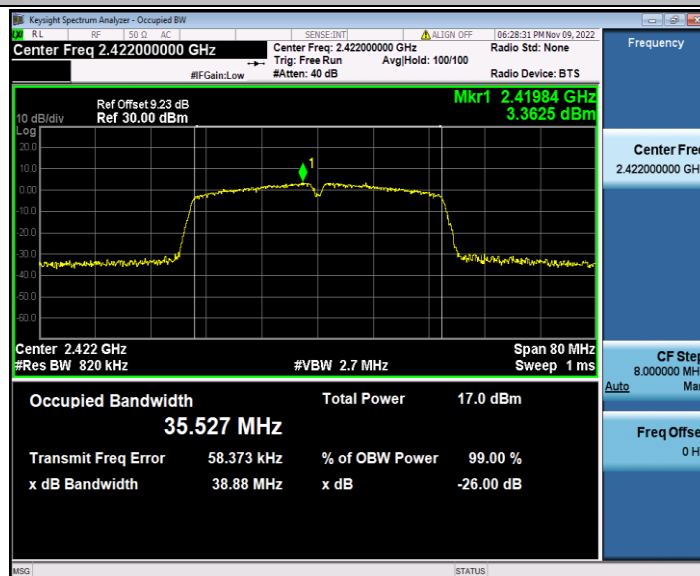
11N20SISO_Ant1_2437



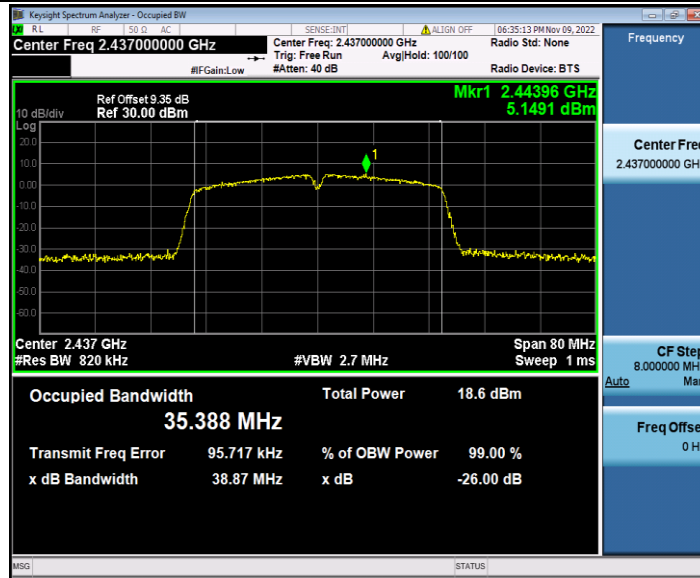
11N20SISO_Ant1_2462



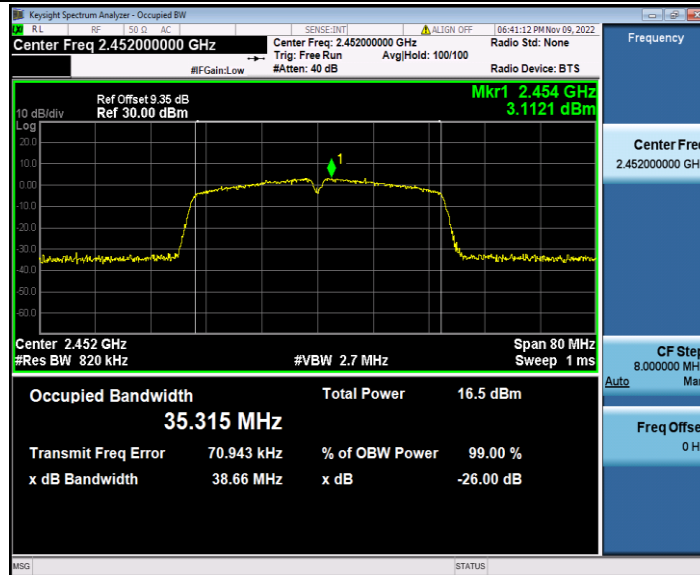
11N40SISO_Ant1_2422



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	17.50	≤30.00	PASS
		2437	17.32	≤30.00	PASS
		2462	18.07	≤30.00	PASS
11G	Ant1	2412	18.66	≤30.00	PASS
		2437	18.72	≤30.00	PASS
		2462	18.78	≤30.00	PASS
11N20SISO	Ant1	2412	17.77	≤30.00	PASS
		2437	18.97	≤30.00	PASS
		2462	18.01	≤30.00	PASS
11N40SISO	Ant1	2422	17.29	≤30.00	PASS
		2437	18.94	≤30.00	PASS
		2452	17.88	≤30.00	PASS

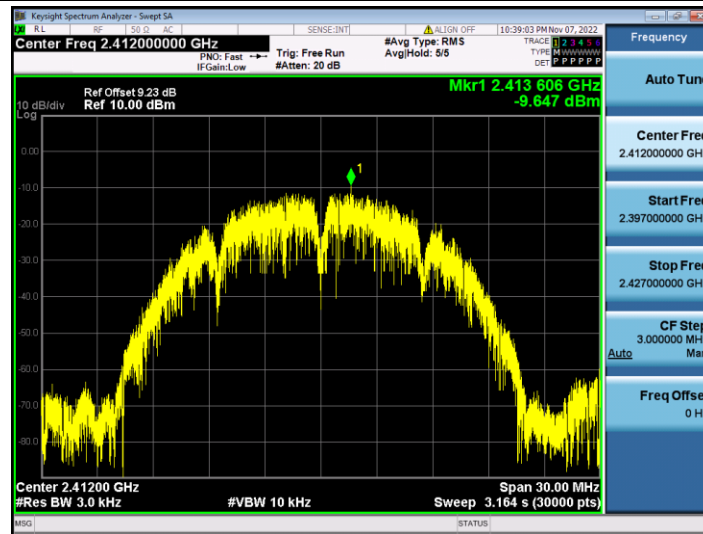
Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.65	≤8.00	PASS
		2437	-8.67	≤8.00	PASS
		2462	-8.02	≤8.00	PASS
11G	Ant1	2412	-16.13	≤8.00	PASS
		2437	-15.46	≤8.00	PASS
		2462	-15.38	≤8.00	PASS
11N20SISO	Ant1	2412	-17.49	≤8.00	PASS
		2437	-14.86	≤8.00	PASS
		2462	-16.32	≤8.00	PASS
11N40SISO	Ant1	2422	-17.99	≤8.00	PASS
		2437	-15.45	≤8.00	PASS
		2452	-18.14	≤8.00	PASS

Test Graphs

11B_Ant1_2412



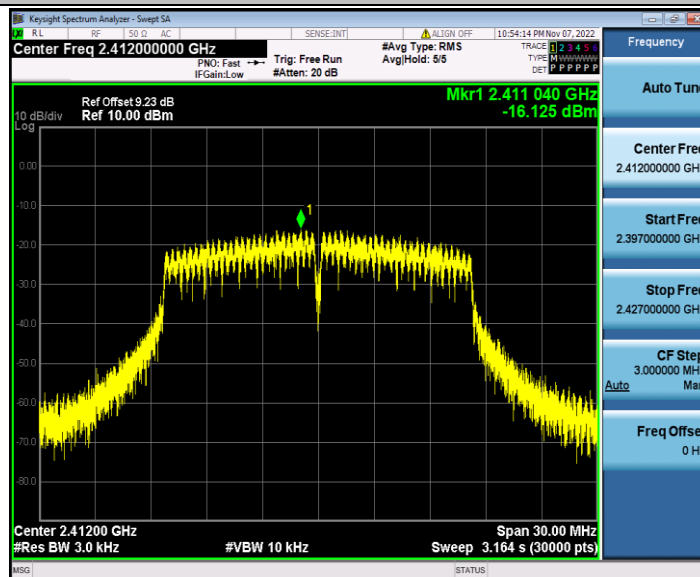
11B_Ant1_2437



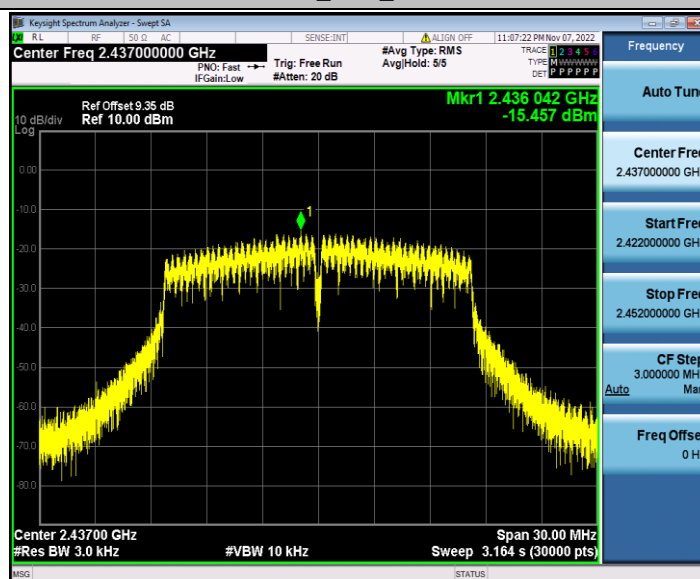
11B_Ant1_2462



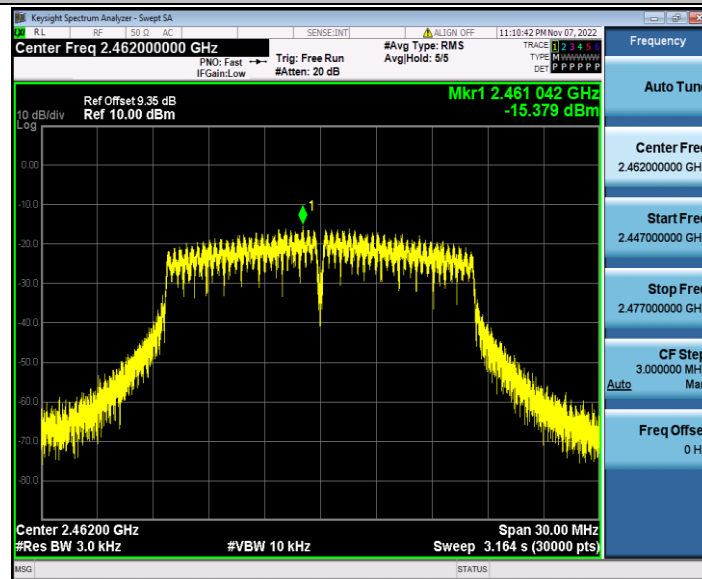
11G_Ant1_2412



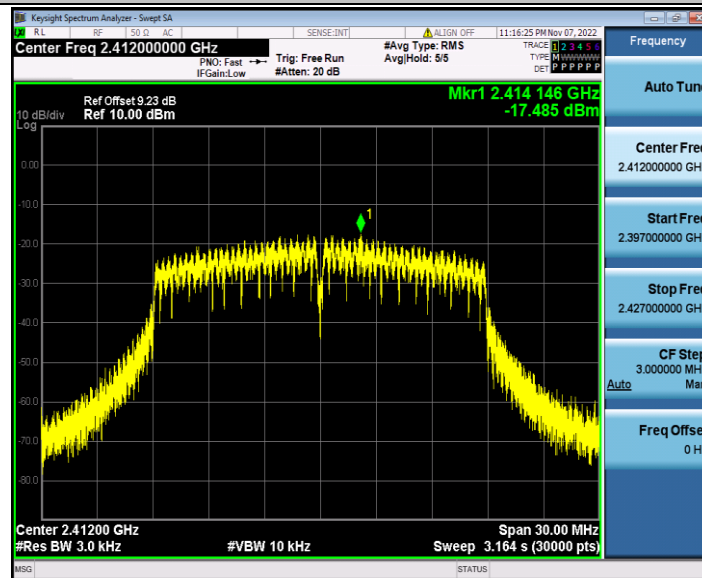
11G_Ant1_2437



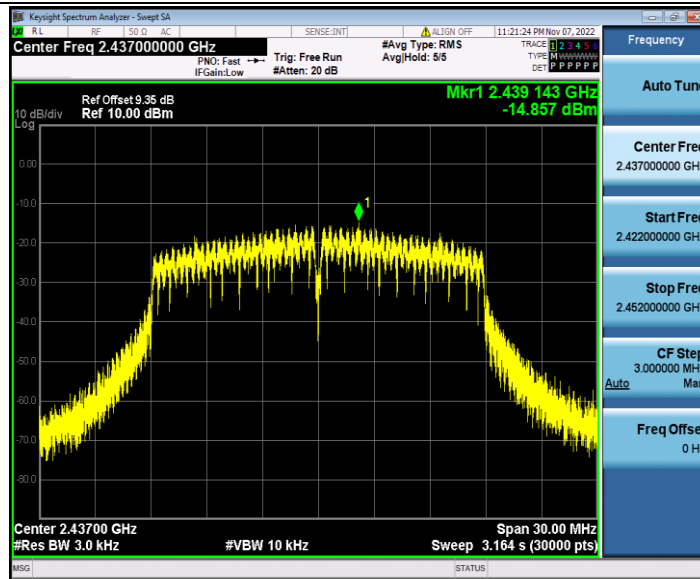
11G_Ant1_2462



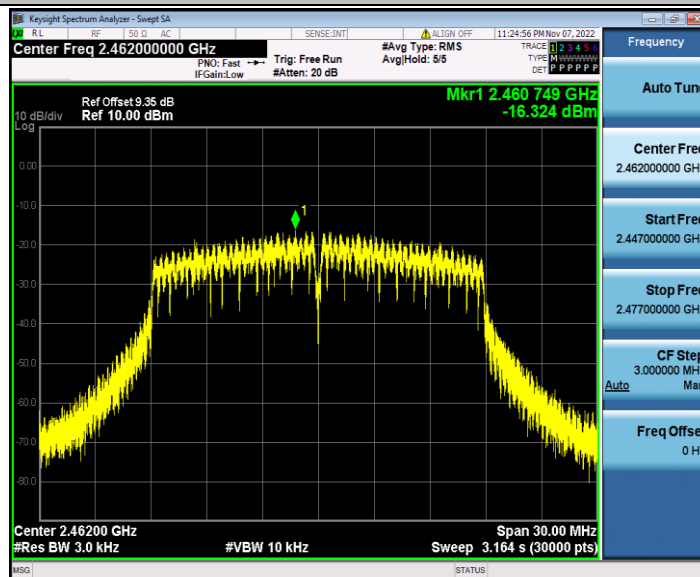
11N20SISO_Ant1_2412



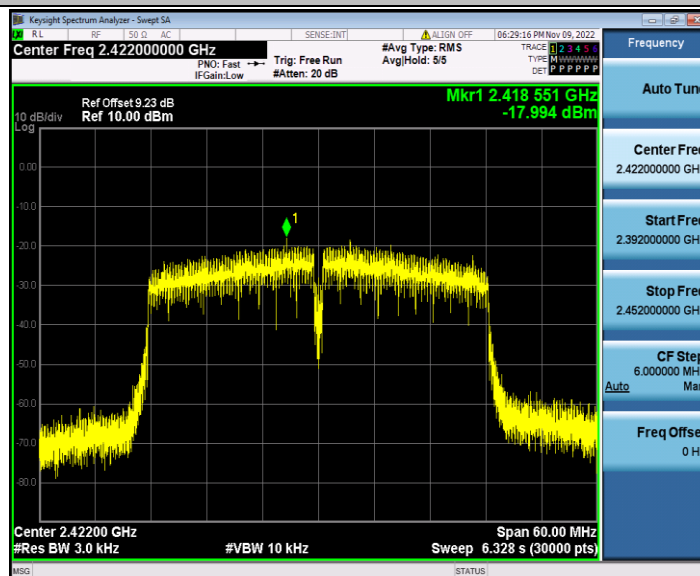
11N20SISO_Ant1_2437



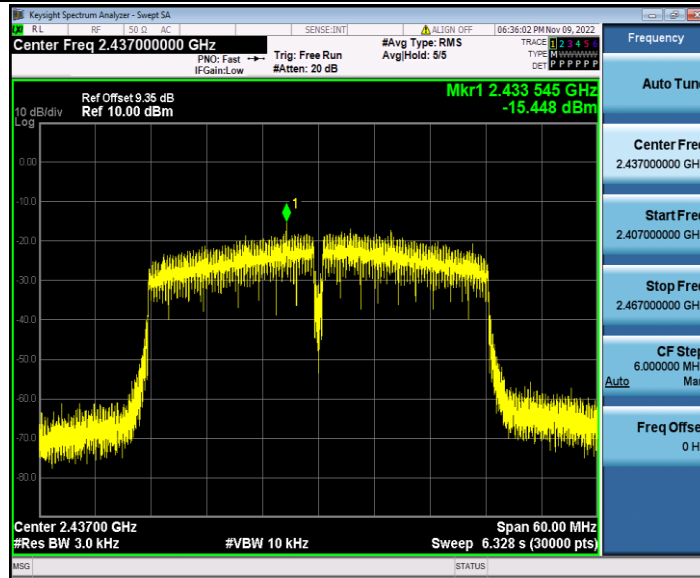
11N20SISO_Ant1_2462



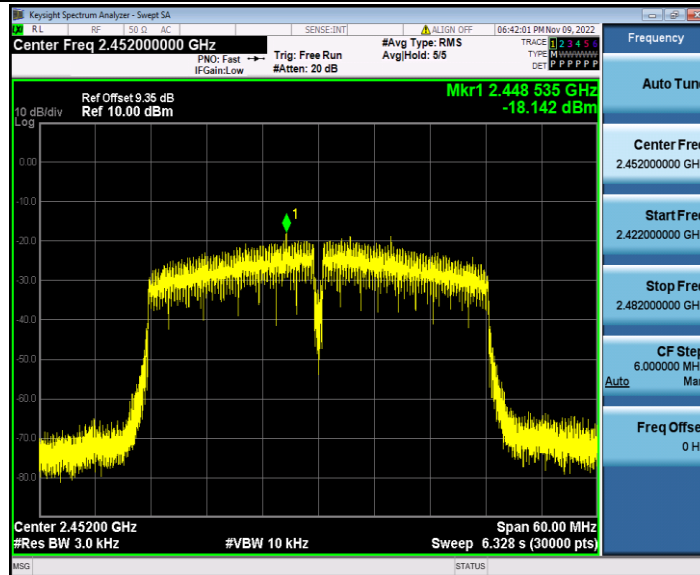
11N40SISO_Ant1_2422



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	3.88	-47.22	≤-16.12	PASS
		High	2462	5.86	-48.11	≤-14.14	PASS
11G	Ant1	Low	2412	-1.65	-39.55	≤-21.65	PASS
		High	2462	-1.33	-48.57	≤-21.33	PASS
11N20SISO	Ant1	Low	2412	-3.40	-39.87	≤-23.4	PASS
		High	2462	-1.98	-48.56	≤-21.98	PASS
11N40SISO	Ant1	Low	2422	-6.02	-45.08	≤-26.02	PASS
		High	2452	-5.99	-48	≤-25.99	PASS