

Case No. : <u>GTS20220930008-1-26</u>	
Ambient Condition: <u>26</u> °C, <u>50</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.24</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	9.600	2406.960	2416.560	0.5	PASS
		2437	10.040	2431.960	2442.000	0.5	PASS
		2462	9.120	2457.440	2466.560	0.5	PASS
11G	Ant1	2412	16.280	2403.840	2420.120	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.800	2470.120	0.5	PASS
11N20SISO	Ant1	2412	16.720	2403.640	2420.360	0.5	PASS
		2437	16.920	2428.440	2445.360	0.5	PASS
		2462	16.720	2453.440	2470.160	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.120	2419.400	2454.520	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS

Test Graphs

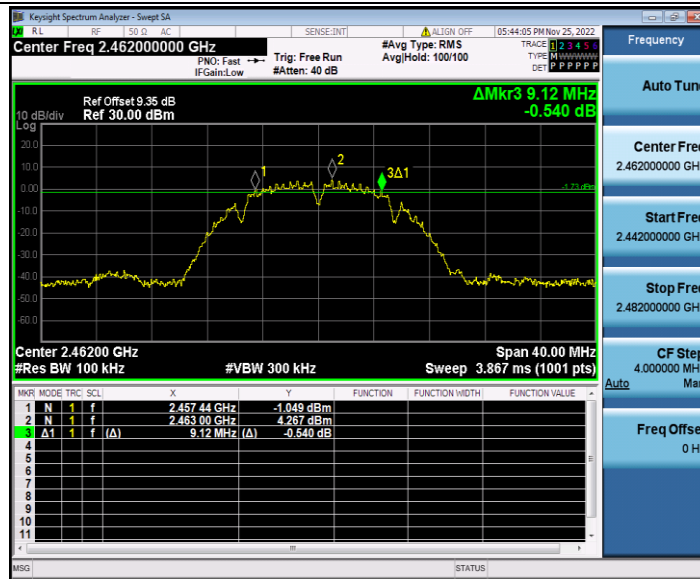
11B_Ant1_2412



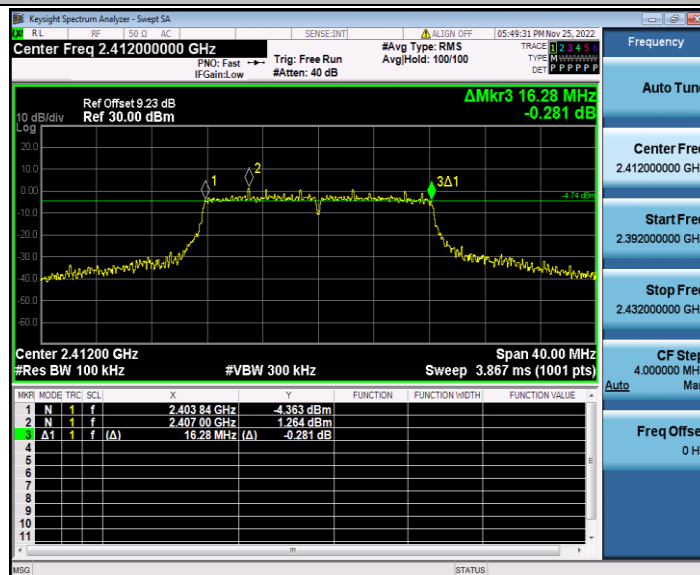
11B_Ant1_2437



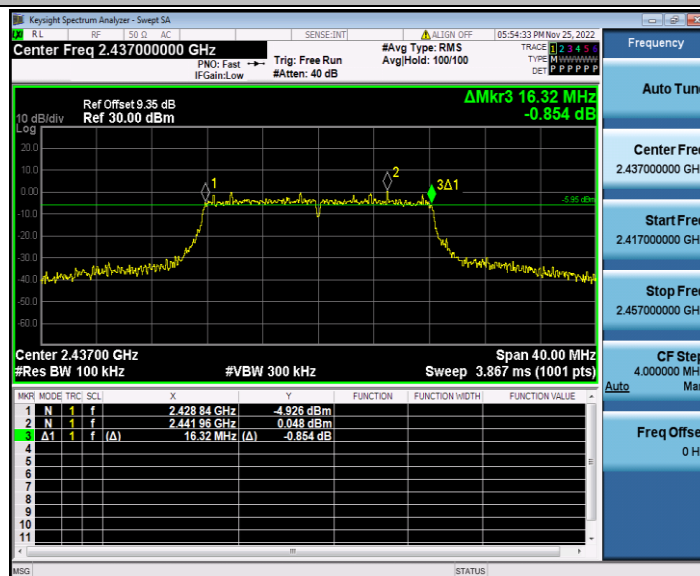
11B_Ant1_2462

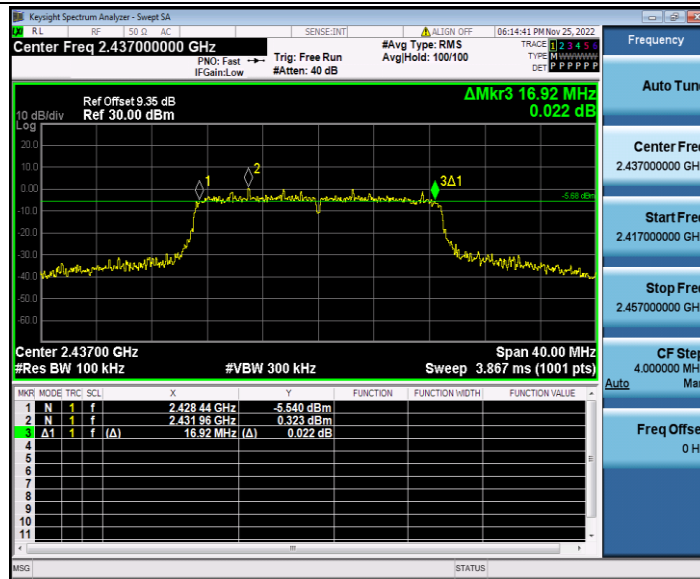


11G_Ant1_2412

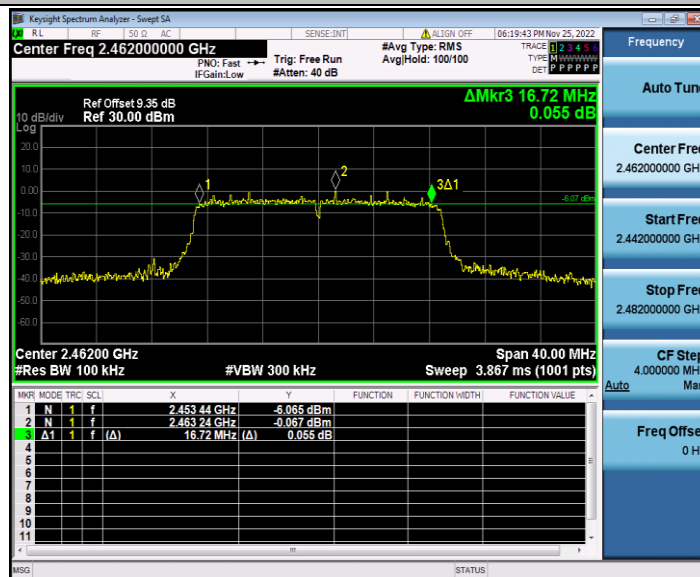


11G_Ant1_2437

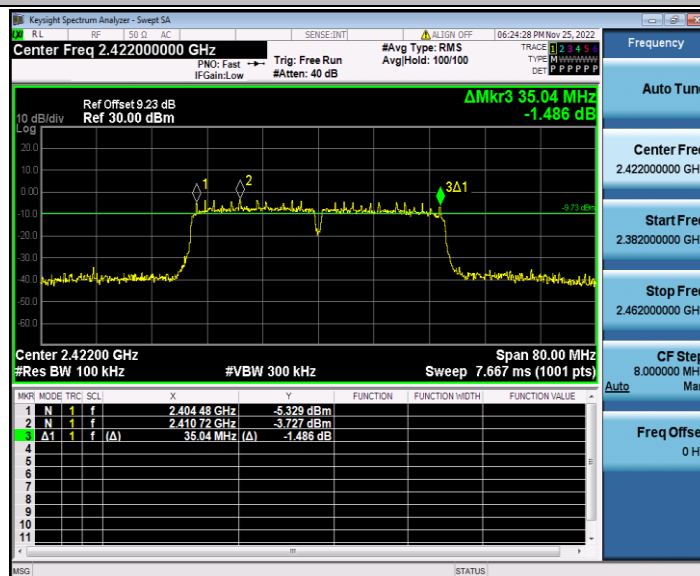




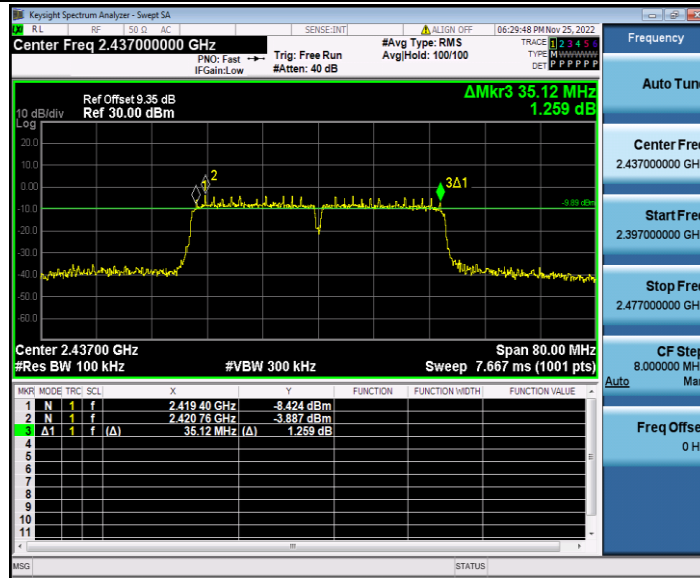
11N20SISO_Ant1_2462



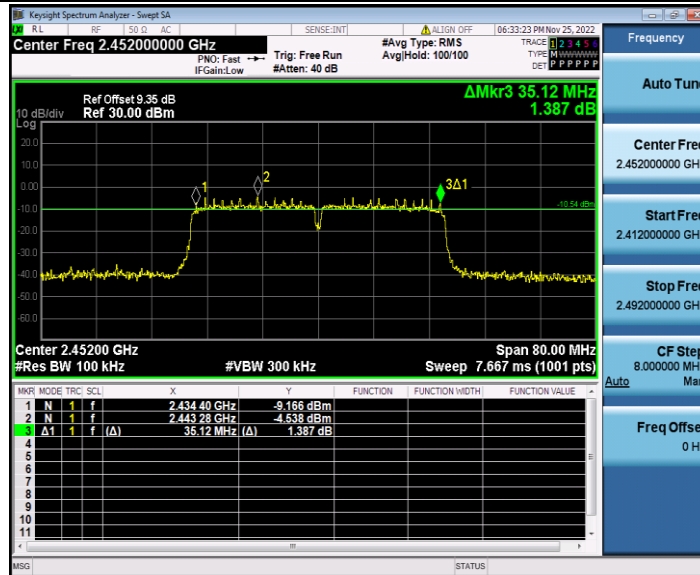
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



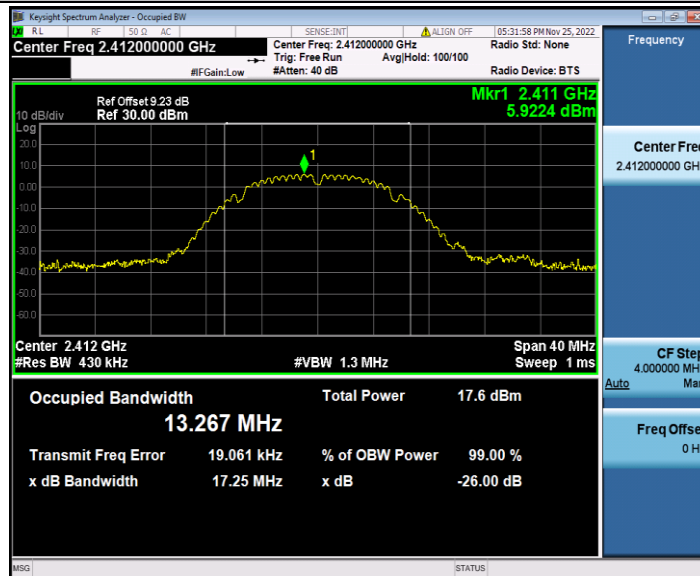
Appendix A.2: Occupied Channel Bandwidth

Test Result

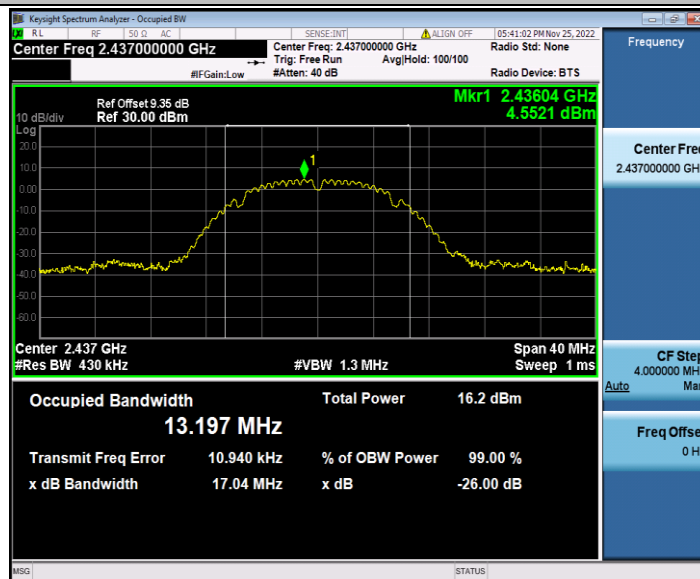
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.267	2405.386	2418.653	---	---
		2437	13.197	2430.412	2443.609	---	---
		2462	13.065	2455.461	2468.526	---	---
11G	Ant1	2412	16.846	2403.584	2420.430	---	---
		2437	16.848	2428.577	2445.425	---	---
		2462	16.790	2453.573	2470.363	---	---
11N20SISO	Ant1	2412	17.701	2403.157	2420.858	---	---
		2437	17.670	2428.172	2445.842	---	---
		2462	17.627	2453.173	2470.800	---	---
11N40SISO	Ant1	2422	35.946	2403.961	2439.907	---	---
		2437	36.046	2418.900	2454.946	---	---
		2452	35.919	2433.984	2469.903	---	---

Test Graphs

11B_Ant1_2412



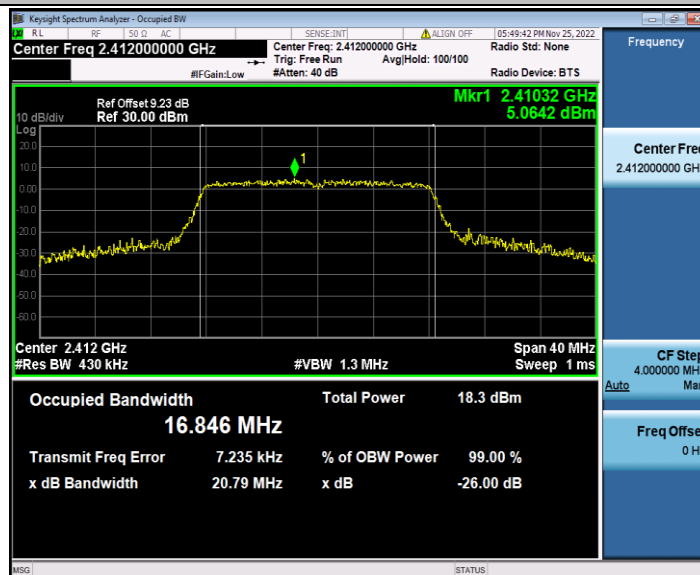
11B_Ant1_2437



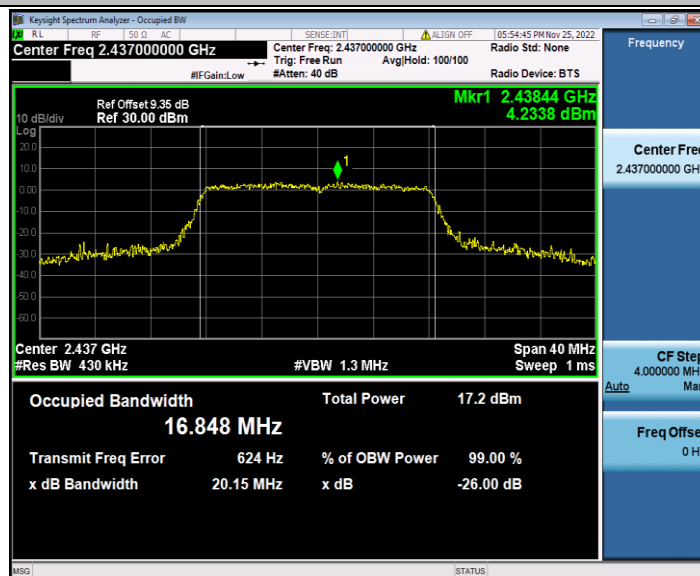
11B_Ant1_2462



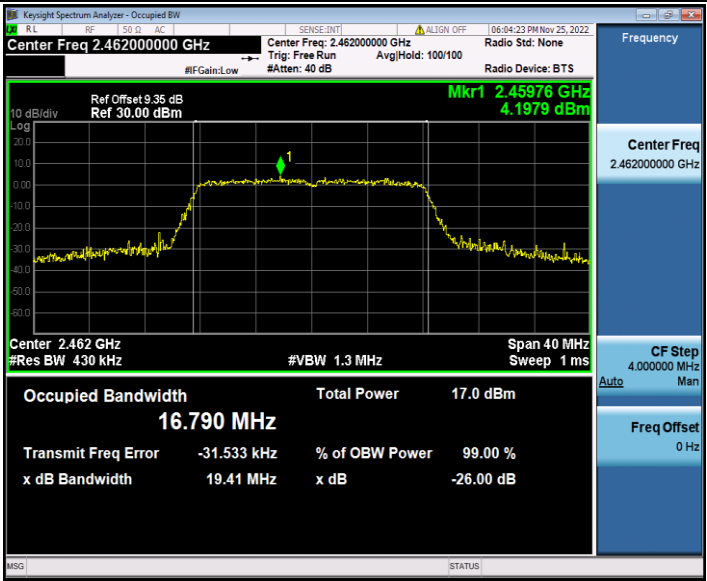
11G_Ant1_2412



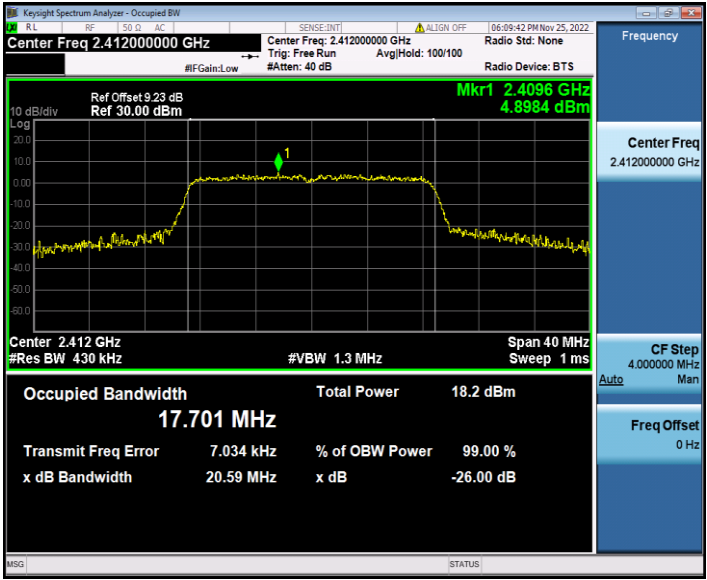
11G_Ant1_2437



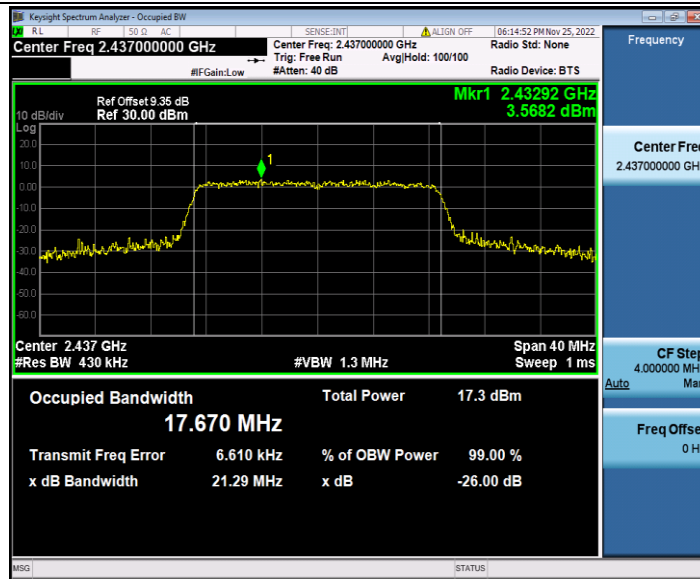
11G_Ant1_2462



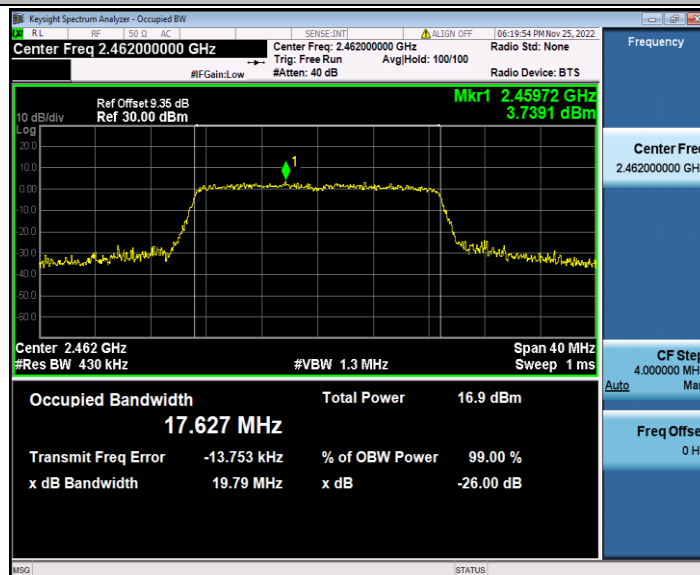
11N20SISO_Ant1_2412



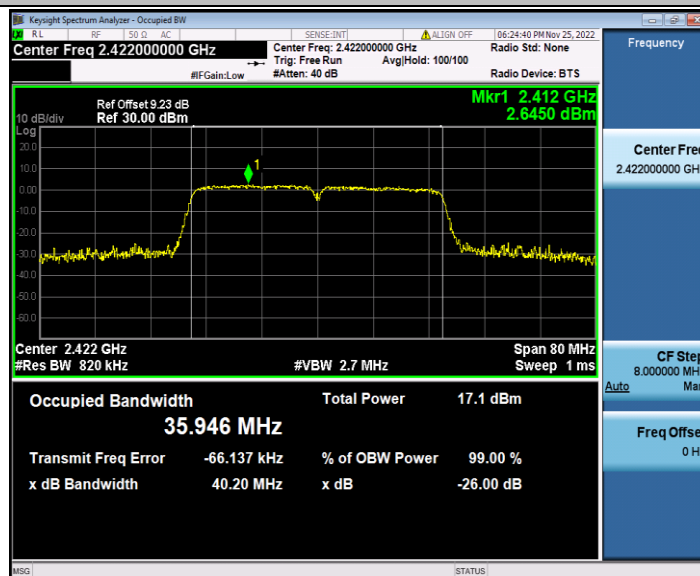
11N20SISO_Ant1_2437



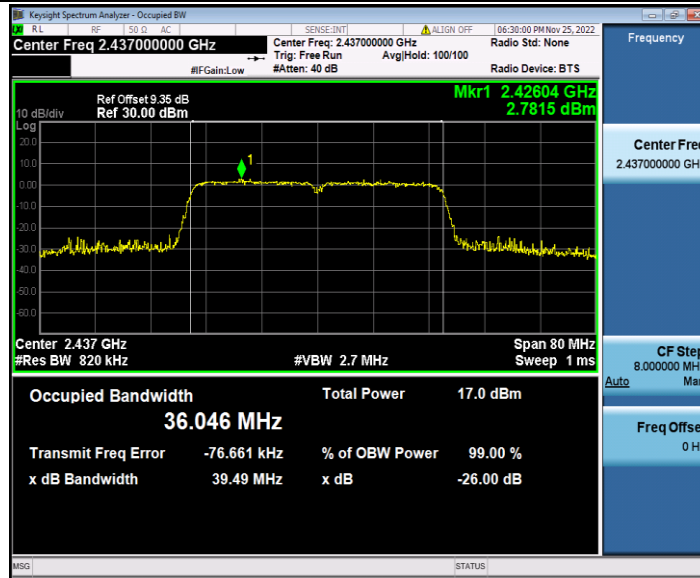
11N20SISO_Ant1_2462



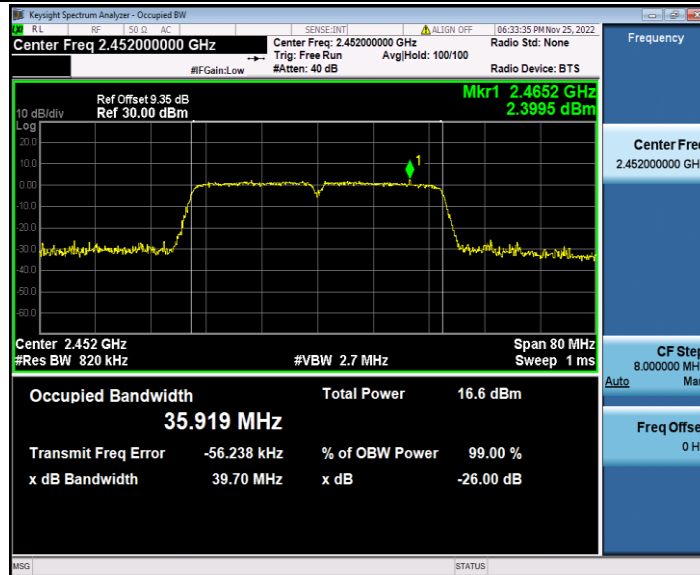
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	20.49	≤30.00	PASS
		2437	---	20.44	≤30.00	PASS
		2462	---	20.24	≤30.00	PASS
11G	Ant1	2412	---	21.35	≤30.00	PASS
		2437	---	21.35	≤30.00	PASS
		2462	---	21.22	≤30.00	PASS
11N20SISO	Ant1	2412	---	21.34	≤30.00	PASS
		2437	---	21.29	≤30.00	PASS
		2462	---	21.02	≤30.00	PASS
11N40SISO	Ant1	2422	---	21.52	≤30.00	PASS
		2437	---	21.21	≤30.00	PASS
		2452	---	21.93	≤30.00	PASS

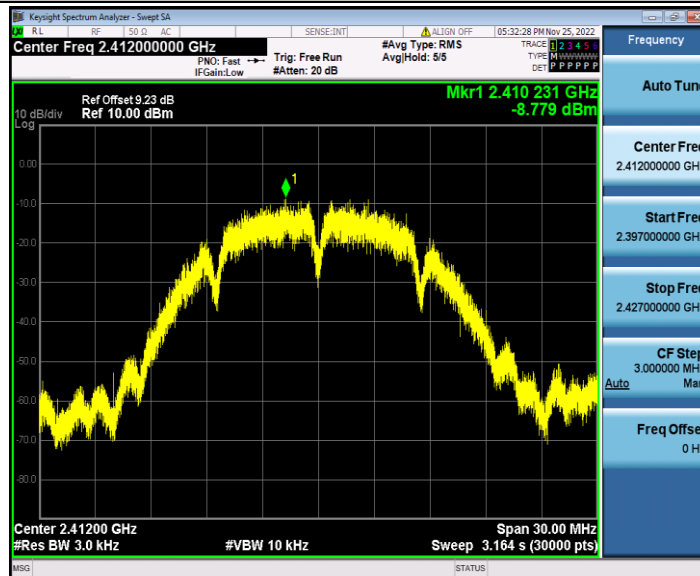
Appendix A.4: Maximum power spectral density

Test Result

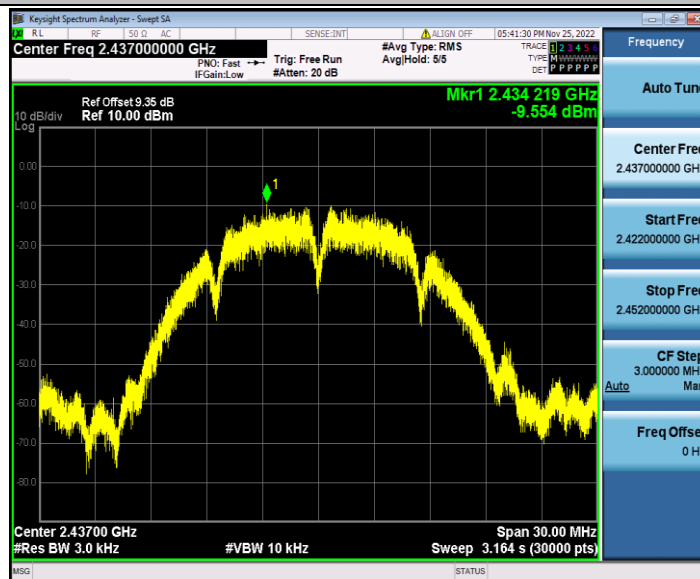
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.78	≤8.00	PASS
		2437	-9.55	≤8.00	PASS
		2462	-9.77	≤8.00	PASS
11G	Ant1	2412	-12.72	≤8.00	PASS
		2437	-14.37	≤8.00	PASS
		2462	-14.29	≤8.00	PASS
11N20SISO	Ant1	2412	-13.31	≤8.00	PASS
		2437	-13.89	≤8.00	PASS
		2462	-14.46	≤8.00	PASS
11N40SISO	Ant1	2422	-18.29	≤8.00	PASS
		2437	-17.86	≤8.00	PASS
		2452	-18.25	≤8.00	PASS

Test Graphs

11B_Ant1_2412



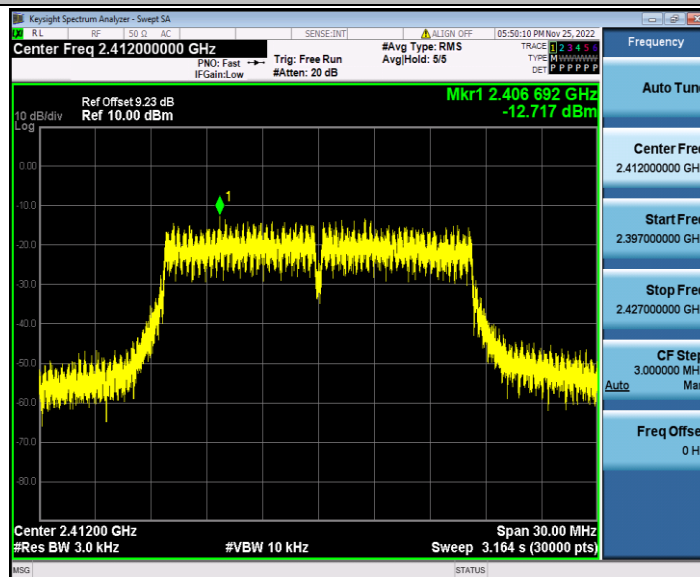
11B_Ant1_2437



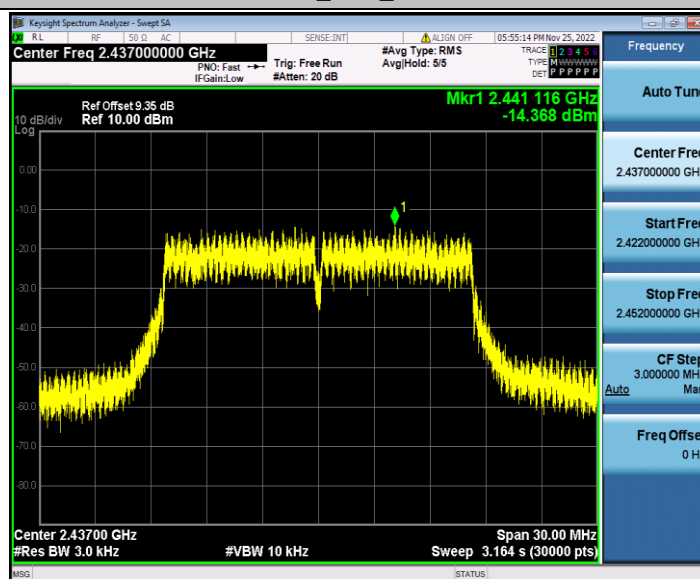
11B_Ant1_2462



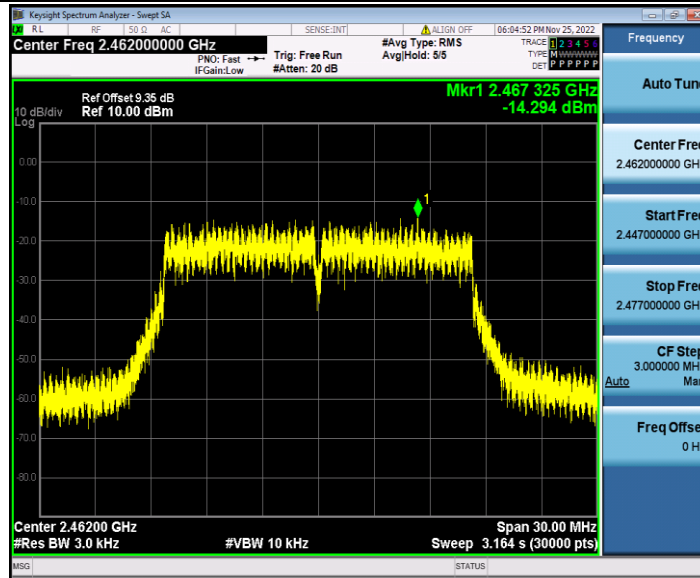
11G_Ant1_2412



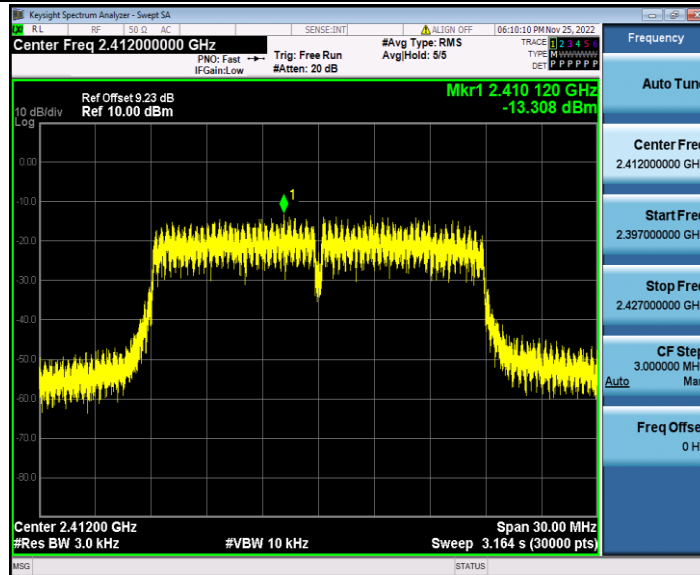
11G_Ant1_2437



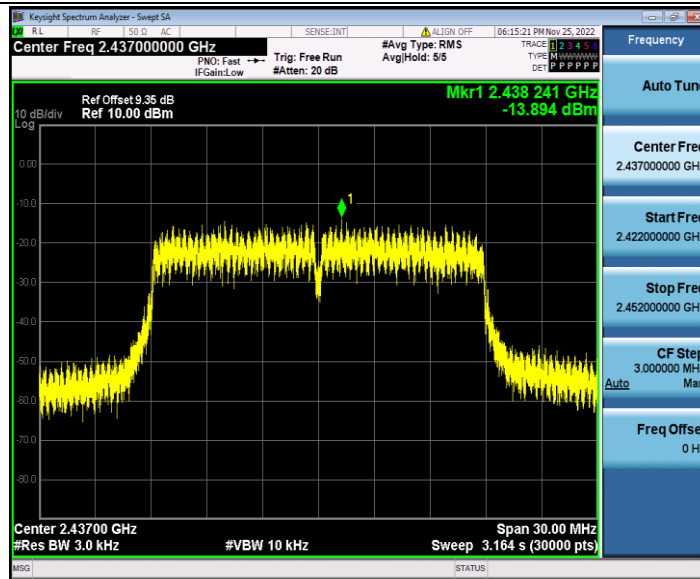
11G_Ant1_2462



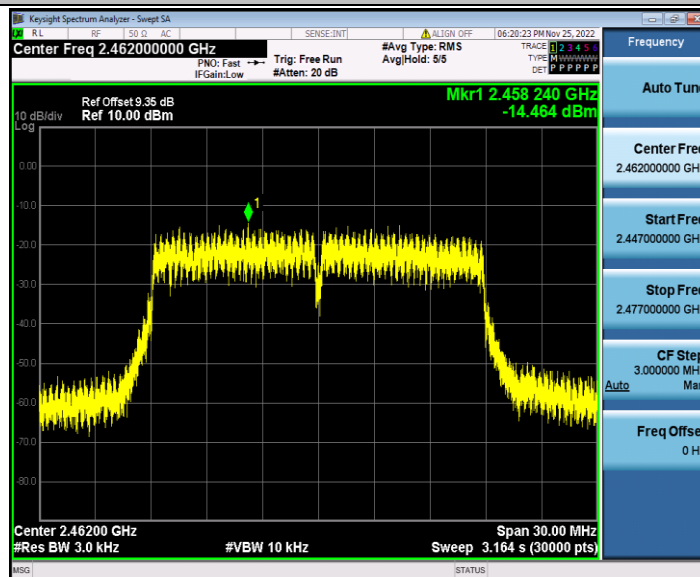
11N20SISO_Ant1_2412



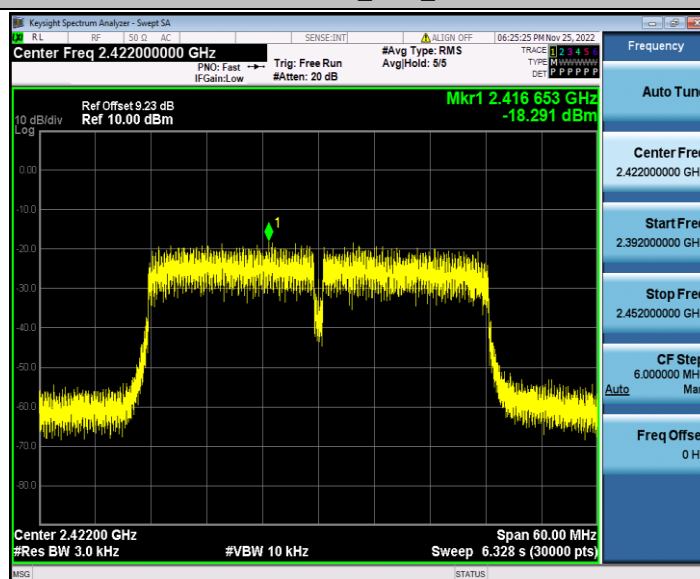
11N20SISO_Ant1_2437



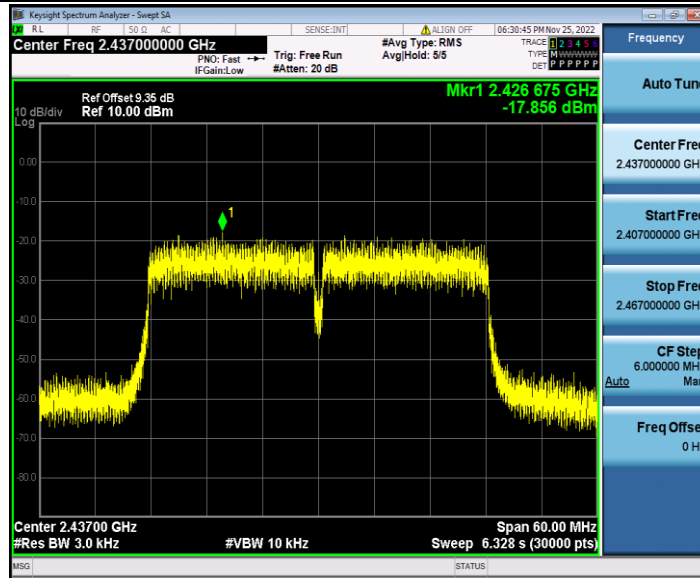
11N20SISO_Ant1_2462



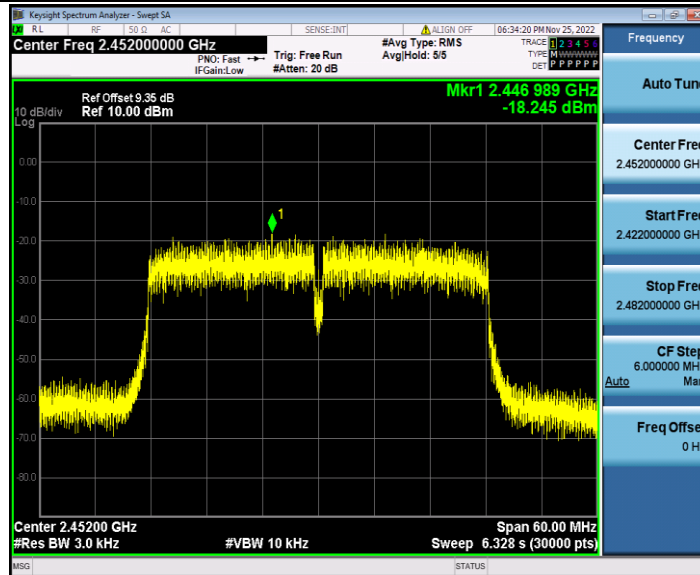
11N40SISO_Ant1_2422



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	5.36	-38.58	≤-14.64	PASS
		High	2462	4.12	-48.07	≤-15.88	PASS
11G	Ant1	Low	2412	1.27	-30.86	≤-18.73	PASS
		High	2462	-0.27	-46.16	≤-20.27	PASS
11N20SISO	Ant1	Low	2412	1.36	-30.03	≤-18.64	PASS
		High	2462	-0.29	-44.94	≤-20.29	PASS
11N40SISO	Ant1	Low	2422	-3.44	-36.24	≤-23.44	PASS
		High	2452	-4.12	-40.42	≤-24.12	PASS