

Case No. : <u>GTS20220905004-1-7</u>	
Ambient Condition: <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.9.7</u>	Test Engineer: <u>Jenny zeng</u>

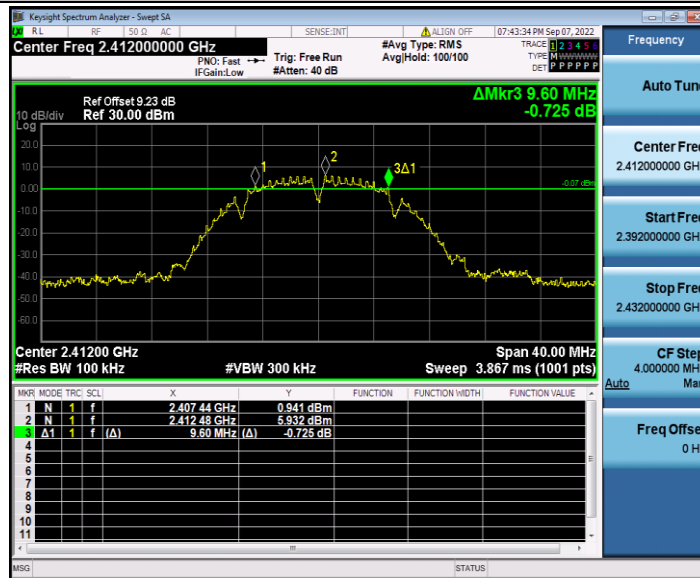
Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.600	2407.440	2417.040	0.5	PASS
		2437	9.520	2432.000	2441.520	0.5	PASS
		2462	10.040	2456.960	2467.000	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	16.680	2403.480	2420.160	0.5	PASS
		2437	16.960	2428.440	2445.400	0.5	PASS
		2462	15.960	2453.840	2469.800	0.5	PASS
11N40SISO	Ant1	2422	34.800	2404.400	2439.200	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS

Test Graphs

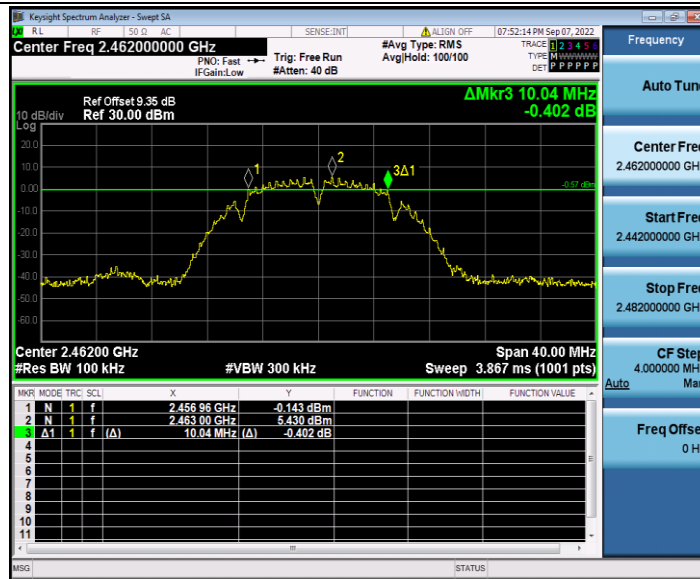
11B_Ant1_2412



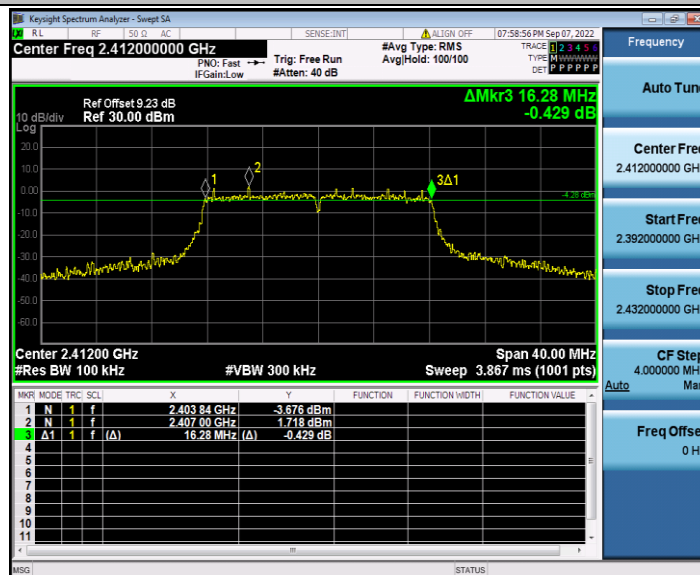
11B_Ant1_2437



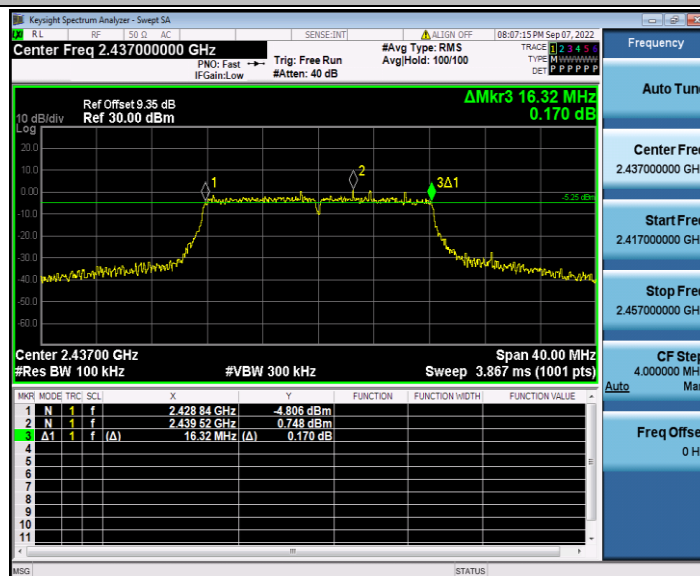
11B_Ant1_2462



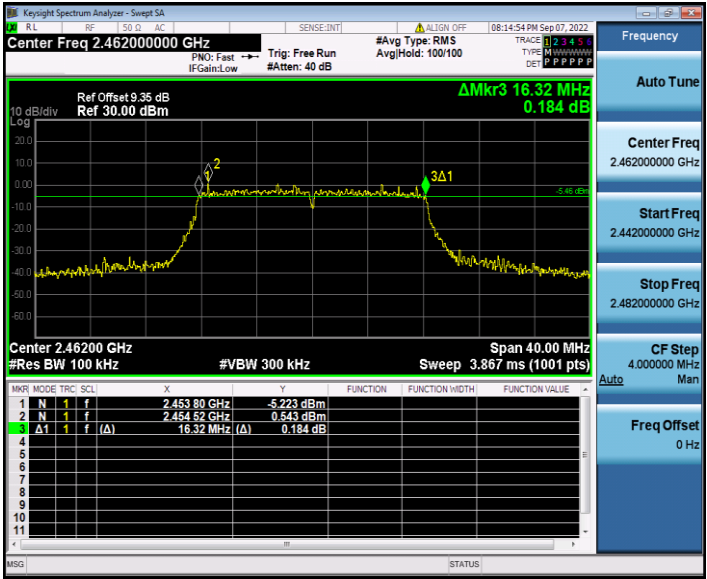
11G_Ant1_2412



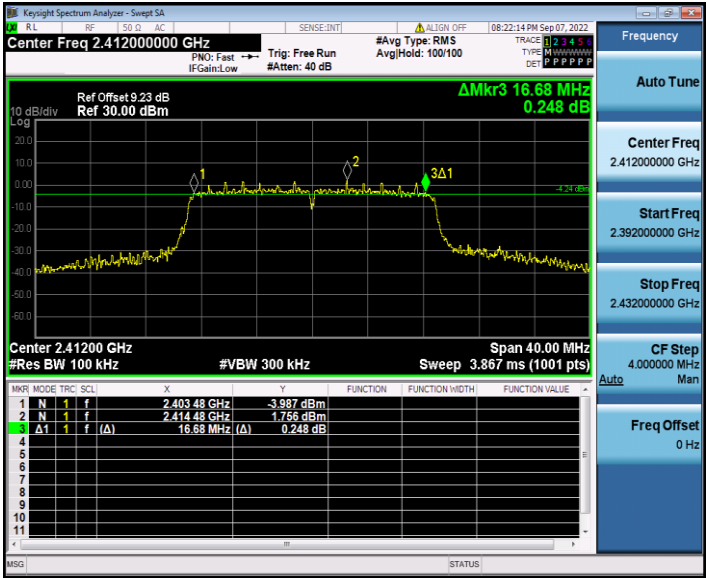
11G_Ant1_2437



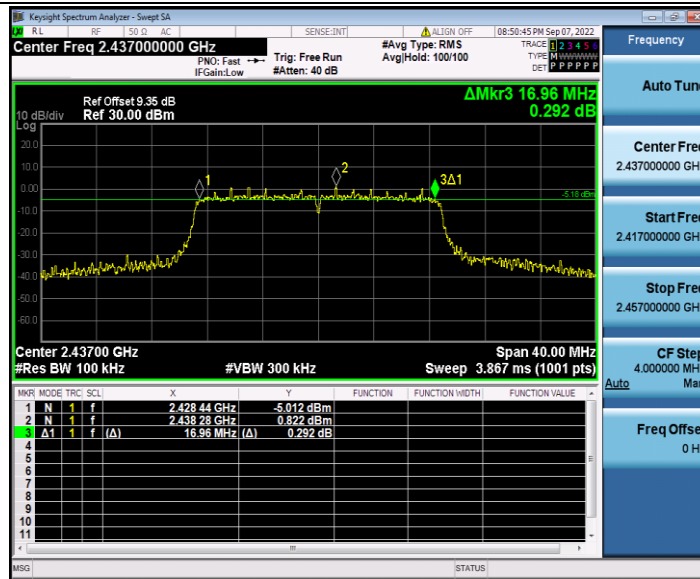
11G_Ant1_2462



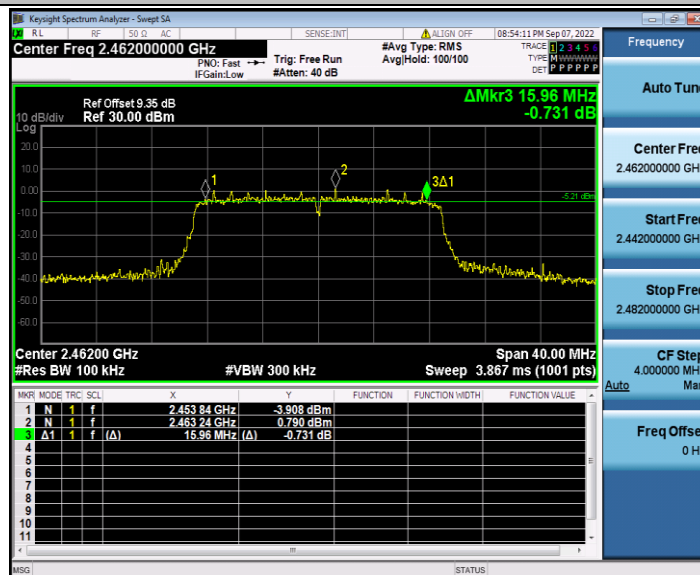
11N20SISO_Ant1_2412



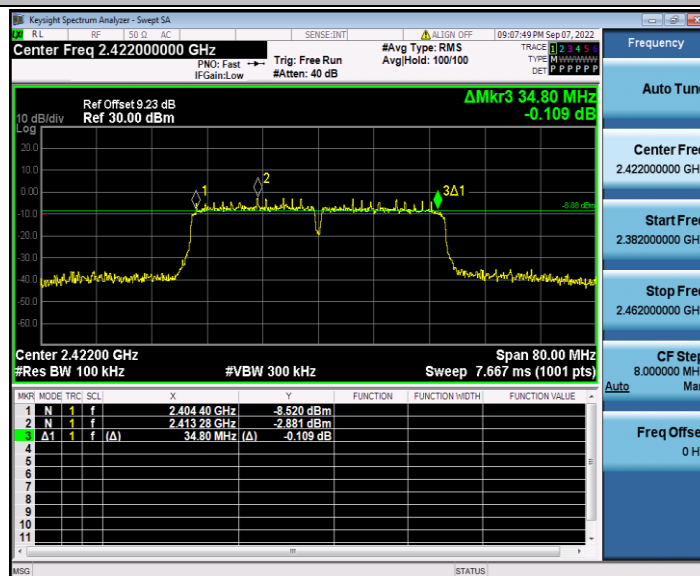
11N20SISO_Ant1_2437



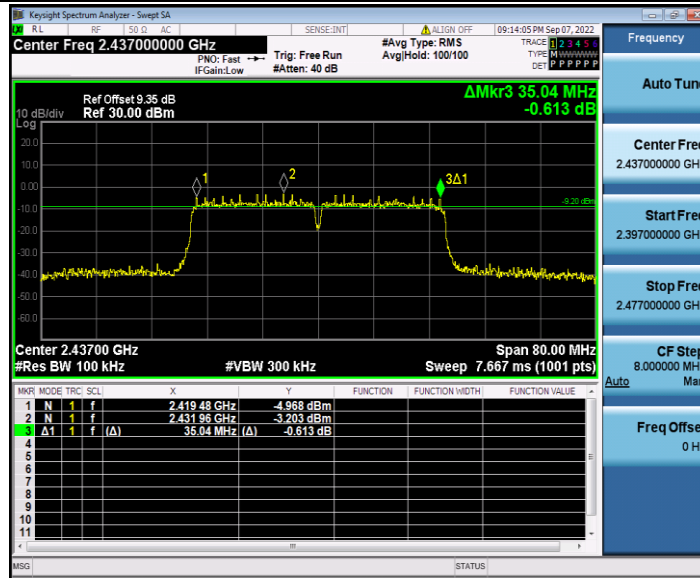
11N20SISO_Ant1_2462



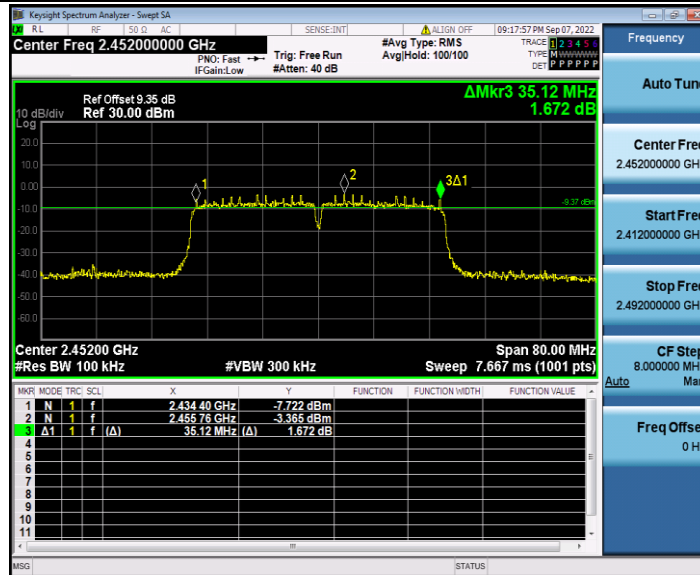
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



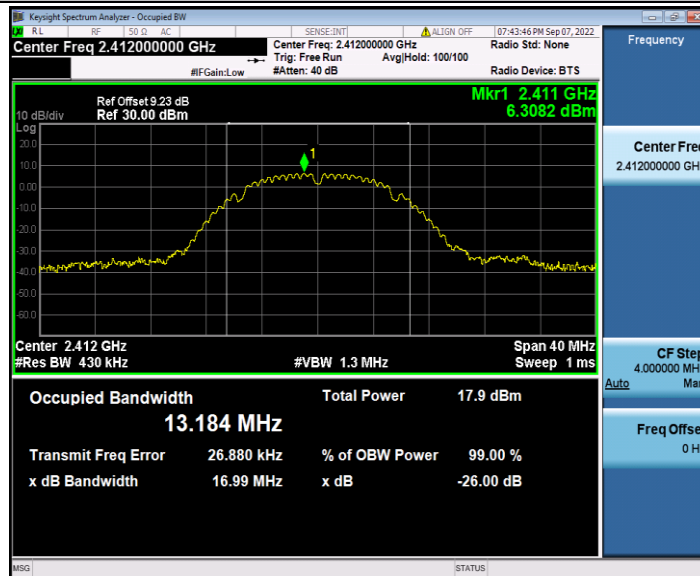
Appendix A.2: Occupied Channel Bandwidth

Test Result

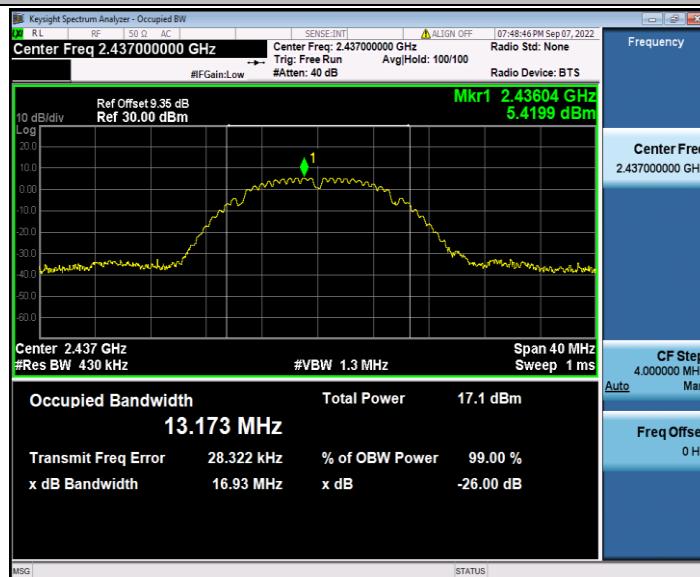
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.184	2405.435	2418.619	---	---
		2437	13.173	2430.442	2443.615	---	---
		2462	13.028	2455.490	2468.518	---	---
11G	Ant1	2412	16.772	2403.615	2420.387	---	---
		2437	16.840	2428.586	2445.426	---	---
		2462	16.725	2453.625	2470.350	---	---
11N20SISO	Ant1	2412	17.699	2403.151	2420.850	---	---
		2437	17.690	2428.144	2445.834	---	---
		2462	17.651	2453.158	2470.809	---	---
11N40SISO	Ant1	2422	36.012	2403.941	2439.953	---	---
		2437	36.040	2418.960	2455.000	---	---
		2452	35.910	2434.020	2469.930	---	---

Test Graphs

11B_Ant1_2412



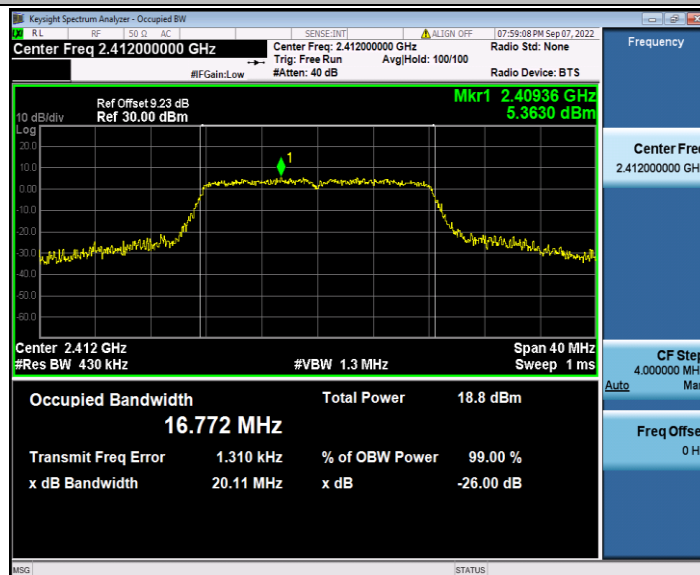
11B_Ant1_2437



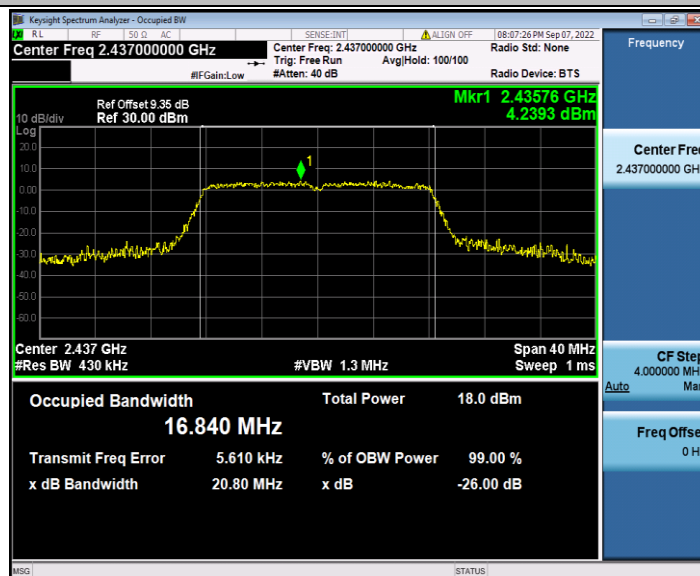
11B_Ant1_2462



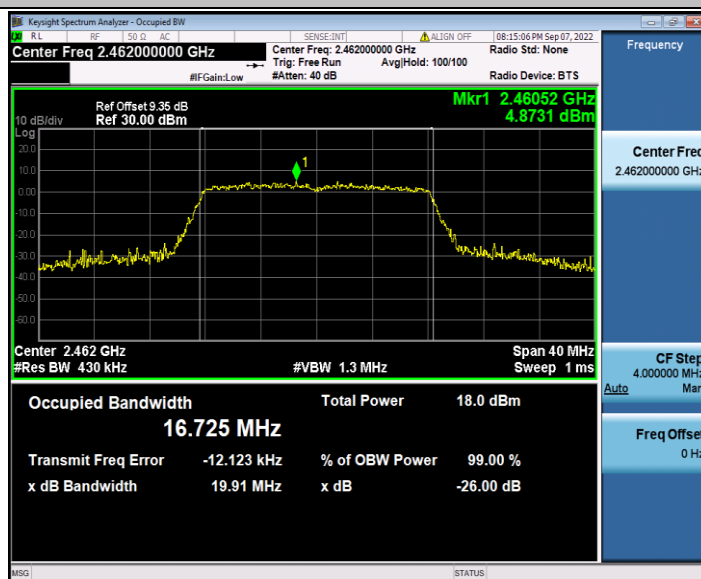
11G_Ant1_2412



11G_Ant1_2437



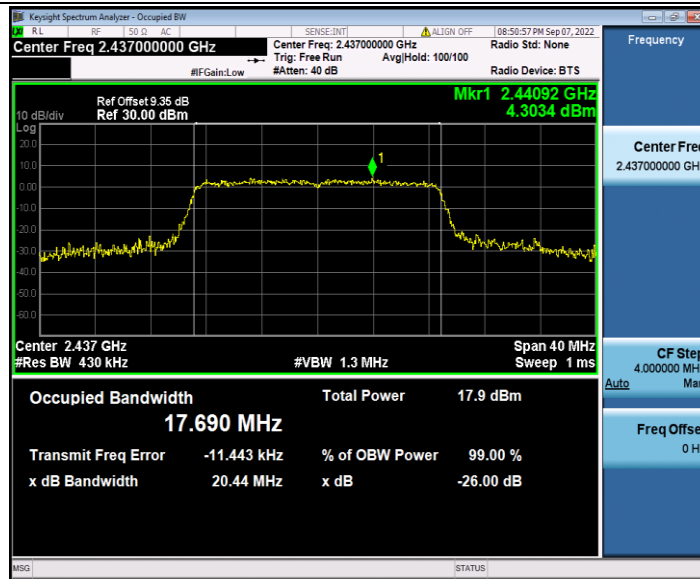
11G_Ant1_2462



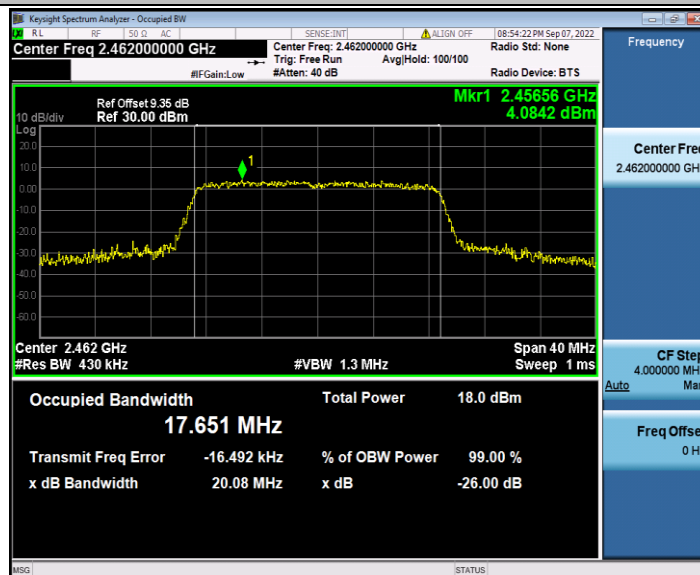
11N20SISO_Ant1_2412



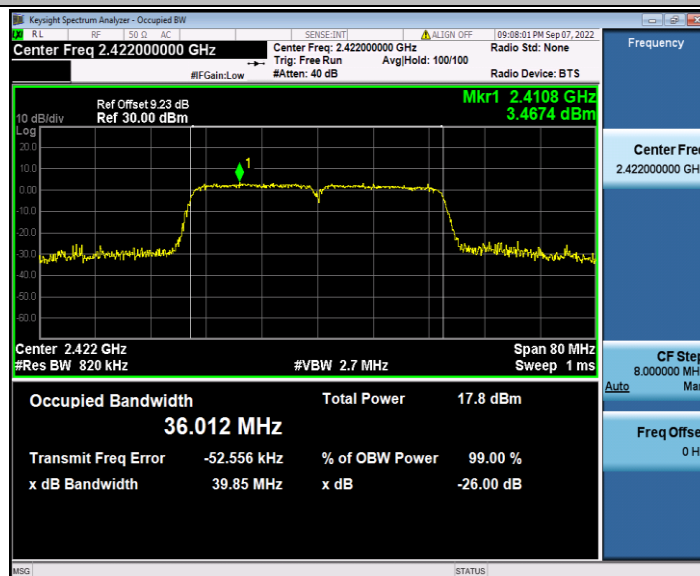
11N20SISO_Ant1_2437



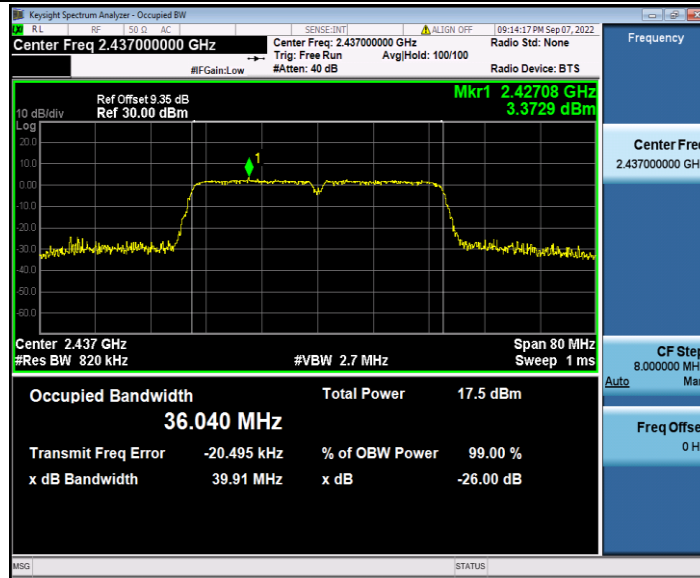
11N20SISO_Ant1_2462



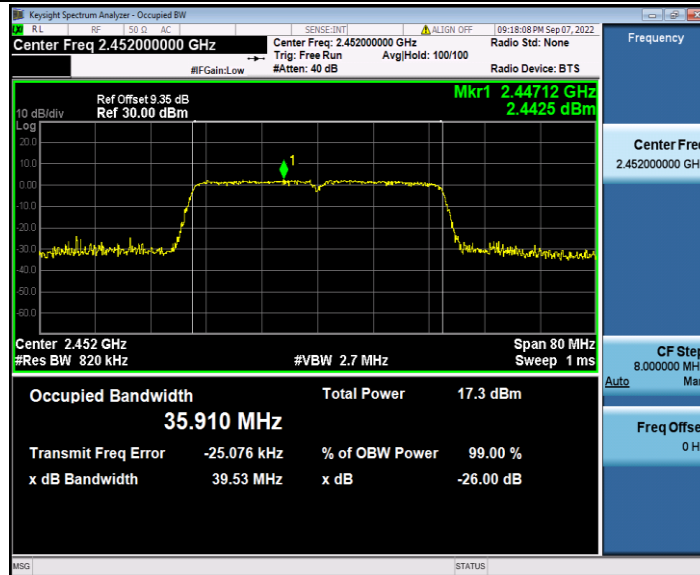
11N40SISO_Ant1_2422



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	20.05	≤30.00	PASS
		2437	20.12	≤30.00	PASS
		2462	20.22	≤30.00	PASS
11G	Ant1	2412	21.77	≤30.00	PASS
		2437	21.09	≤30.00	PASS
		2462	21.08	≤30.00	PASS
11N20SISO	Ant1	2412	21.82	≤30.00	PASS
		2437	21.04	≤30.00	PASS
		2462	21.04	≤30.00	PASS
11N40SISO	Ant1	2422	21.08	≤30.00	PASS
		2437	21.90	≤30.00	PASS
		2452	21.65	≤30.00	PASS

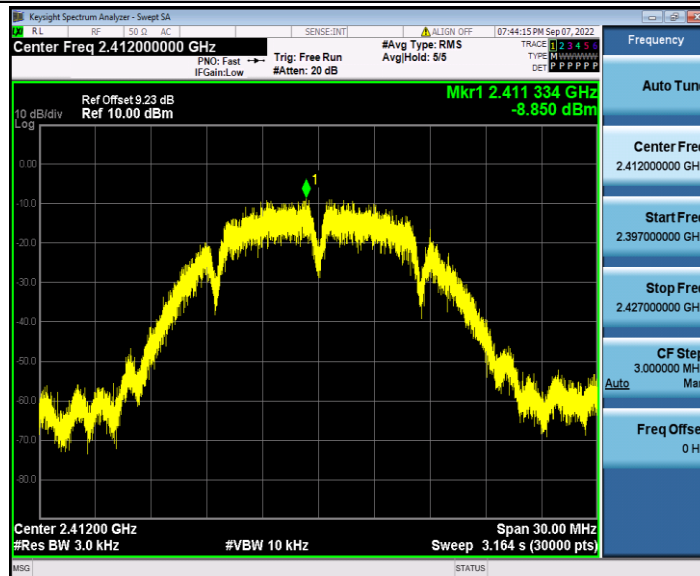
Appendix A.4: Maximum power spectral density

Test Result

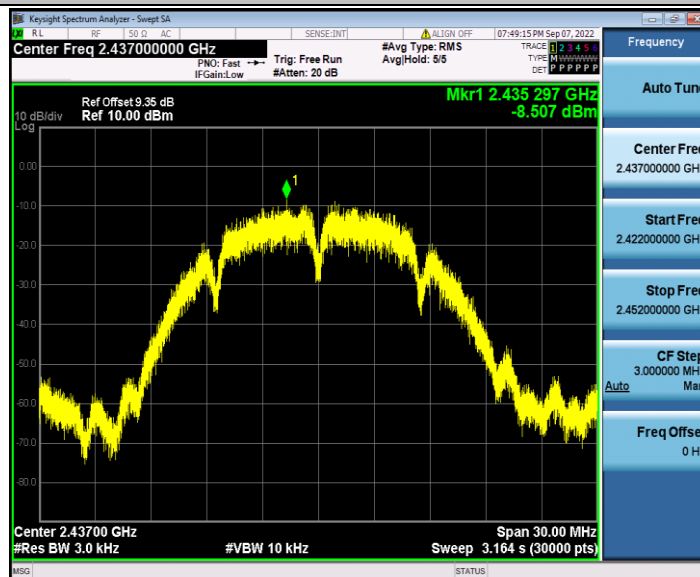
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.85	≤8.00	PASS
		2437	-8.51	≤8.00	PASS
		2462	-9.63	≤8.00	PASS
11G	Ant1	2412	-13.14	≤8.00	PASS
		2437	-13.03	≤8.00	PASS
		2462	-11.96	≤8.00	PASS
11N20SISO	Ant1	2412	-12.11	≤8.00	PASS
		2437	-13.88	≤8.00	PASS
		2462	-13.23	≤8.00	PASS
11N40SISO	Ant1	2422	-17.31	≤8.00	PASS
		2437	-17.58	≤8.00	PASS
		2452	-17.49	≤8.00	PASS

Test Graphs

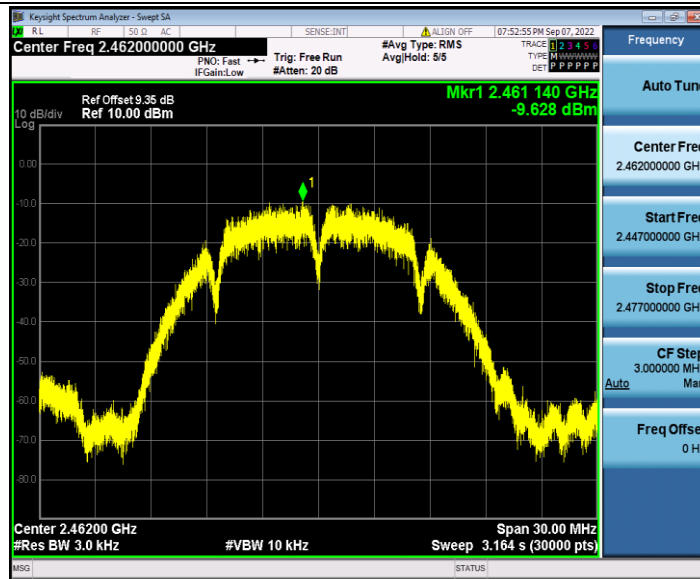
11B_Ant1_2412



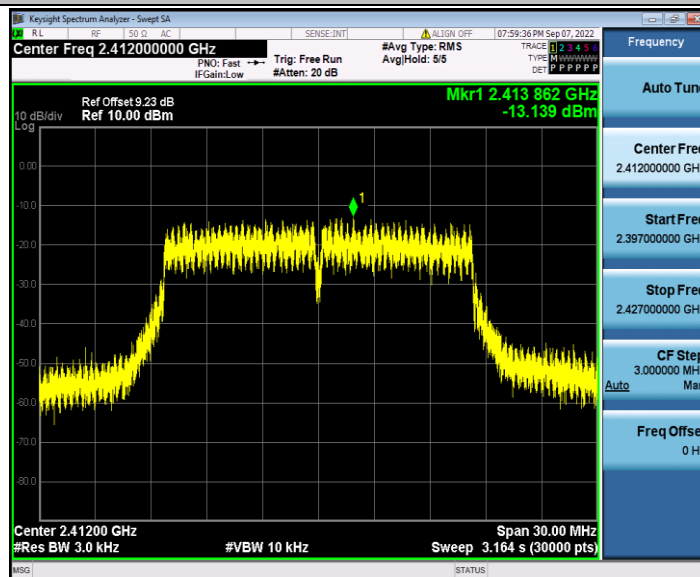
11B_Ant1_2437



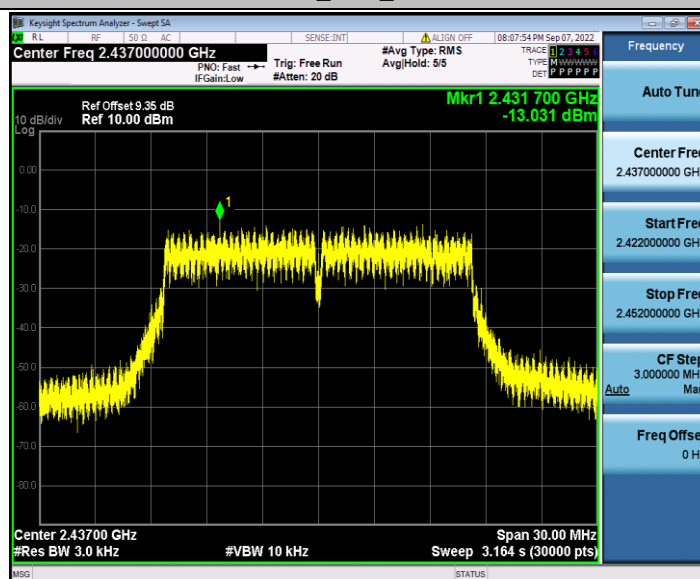
11B_Ant1_2462



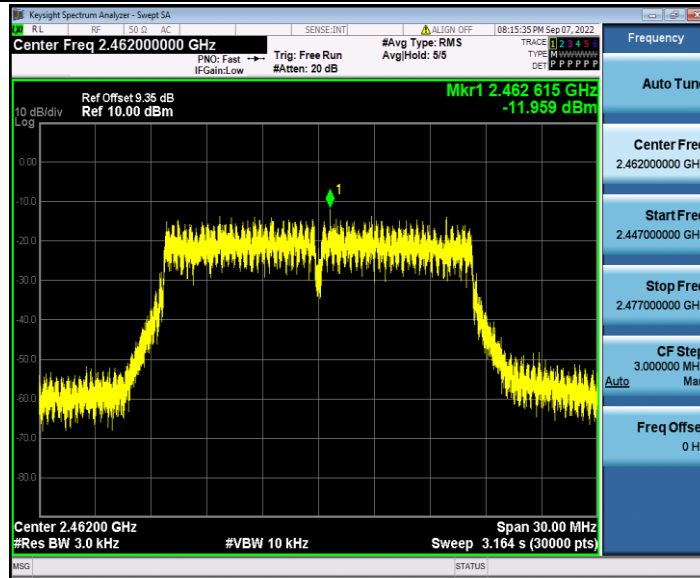
11G_Ant1_2412



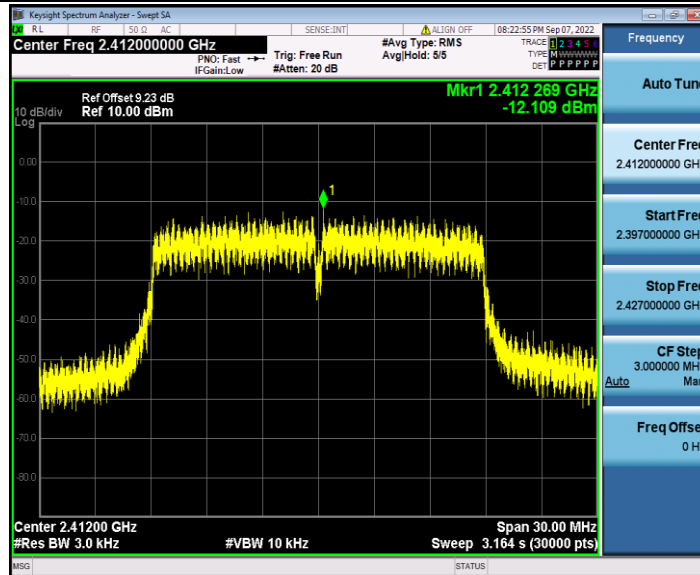
11G_Ant1_2437



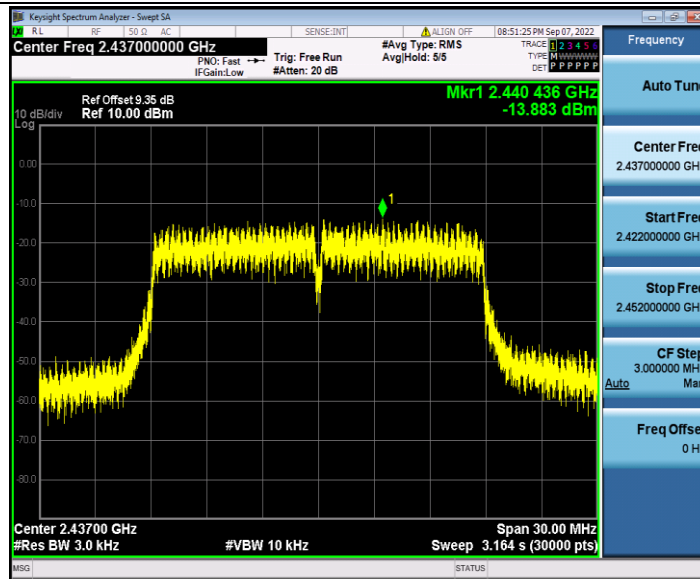
11G_Ant1_2462



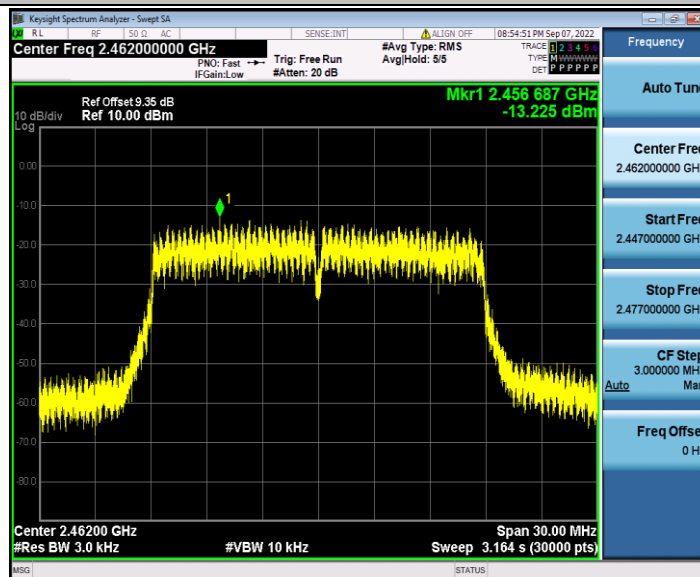
11N20SISO_Ant1_2412



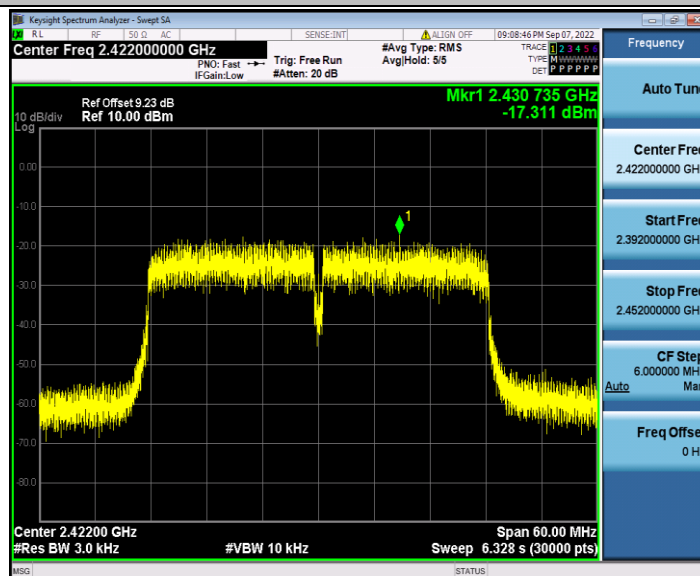
11N20SISO_Ant1_2437



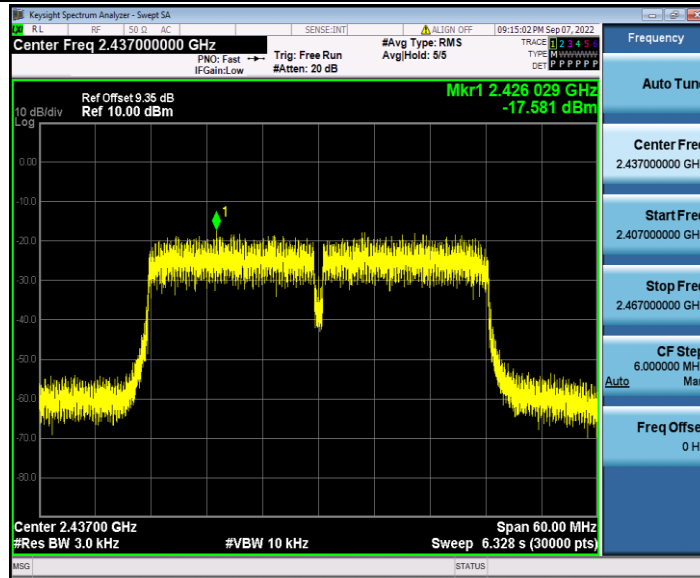
11N20SISO_Ant1_2462



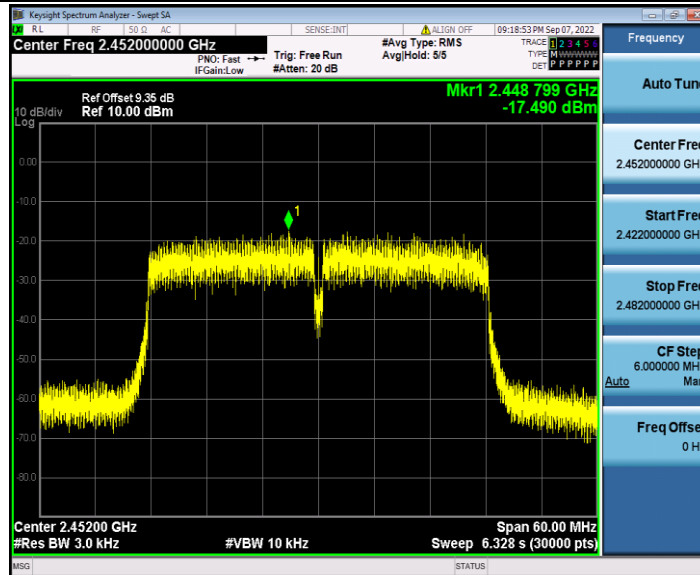
11N40SISO_Ant1_2422



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	6.16	-40.03	≤-13.84	PASS
		High	2462	5.35	-46.97	≤-14.65	PASS
11G	Ant1	Low	2412	1.69	-30.21	≤-18.31	PASS
		High	2462	1.07	-45.29	≤-18.93	PASS
11N20SISO	Ant1	Low	2412	1.82	-31.18	≤-18.18	PASS
		High	2462	1.09	-43.06	≤-18.91	PASS
11N40SISO	Ant1	Low	2422	-3.01	-34.9	≤-23.01	PASS
		High	2452	-3.21	-40.08	≤-23.21	PASS