

Case No. : <u>GTS20221219003-1-15</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.5</u>	Test Engineer: <u>Jenny zeng</u>

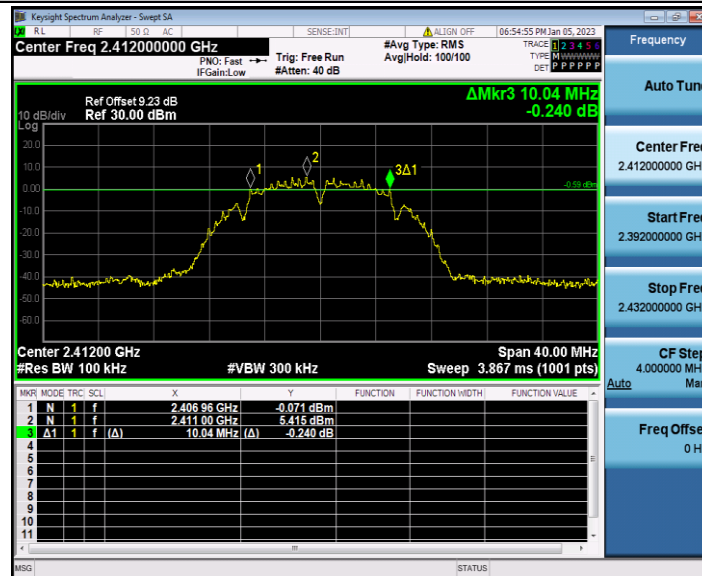
Appendix A.1: DTS Bandwidth

Test Result

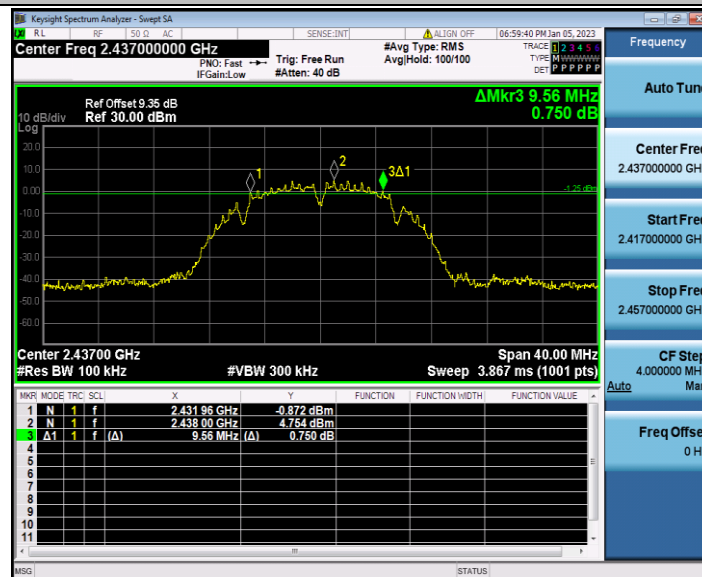
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.040	2406.960	2417.000	0.5	PASS
		2437	9.560	2431.960	2441.520	0.5	PASS
		2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.440	2420.360	0.5	PASS
		2437	17.080	2428.480	2445.560	0.5	PASS
		2462	17.080	2453.440	2470.520	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	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



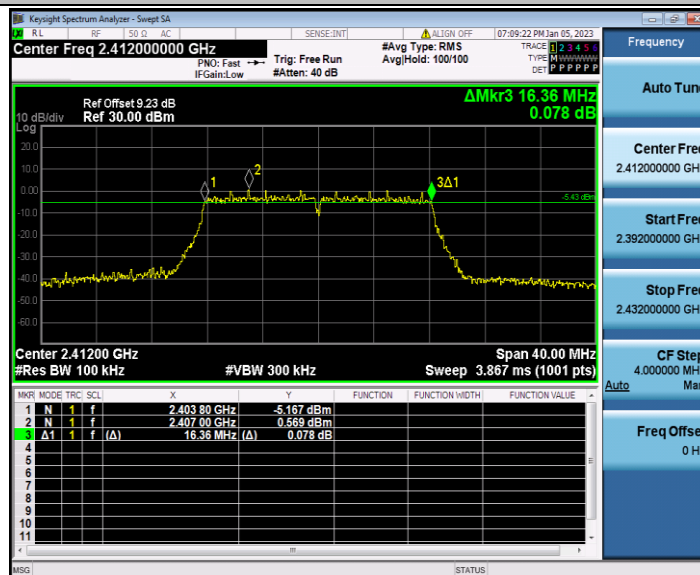
11B_Ant1_2437



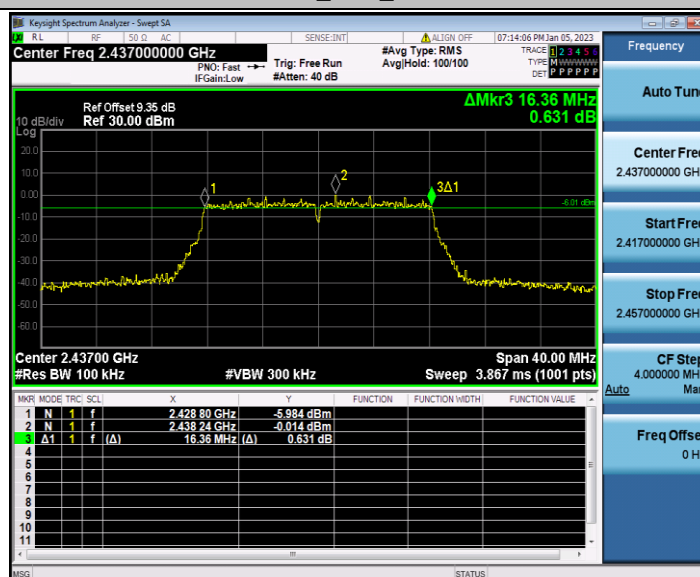
11B_Ant1_2462



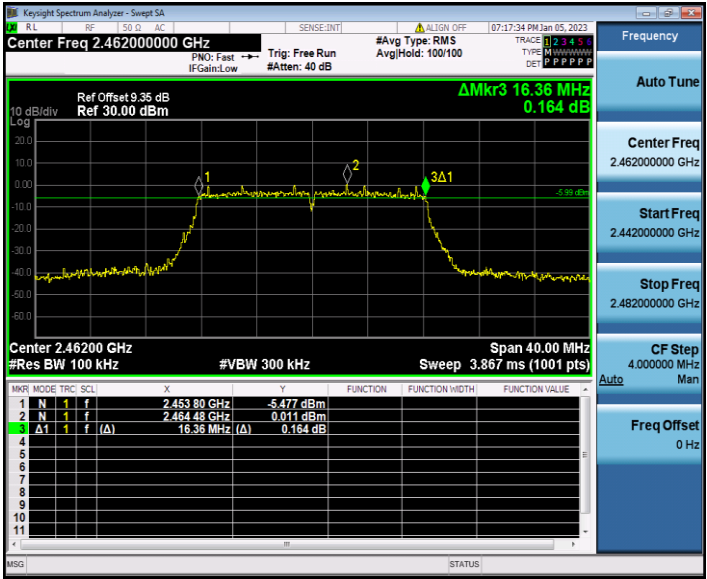
11G_Ant1_2412



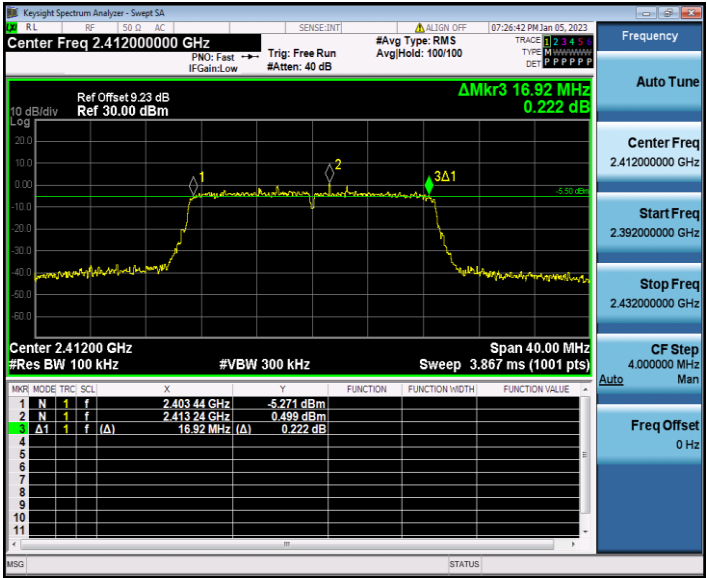
11G_Ant1_2437



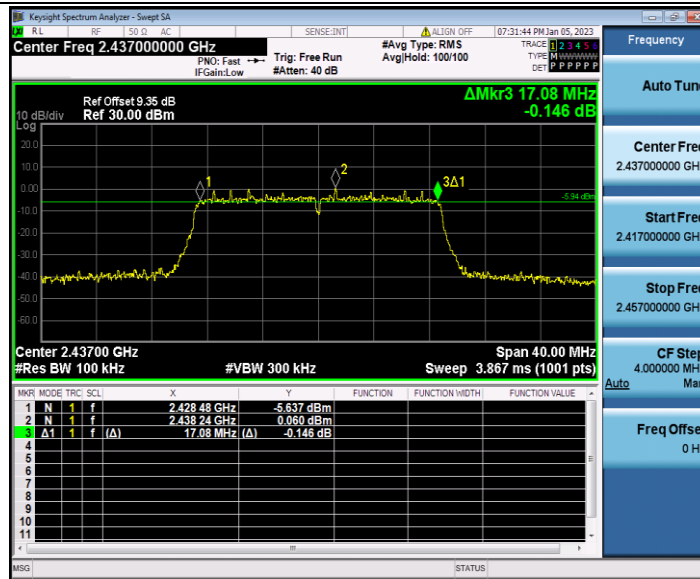
11G_Ant1_2462



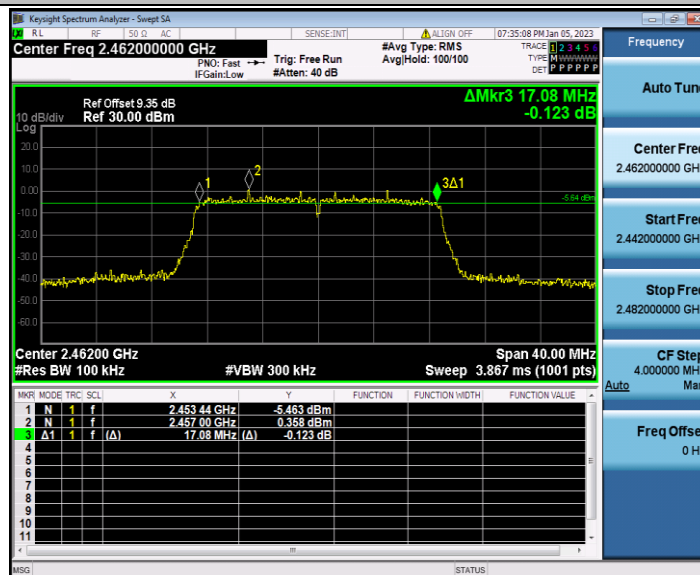
11N20SISO_Ant1_2412



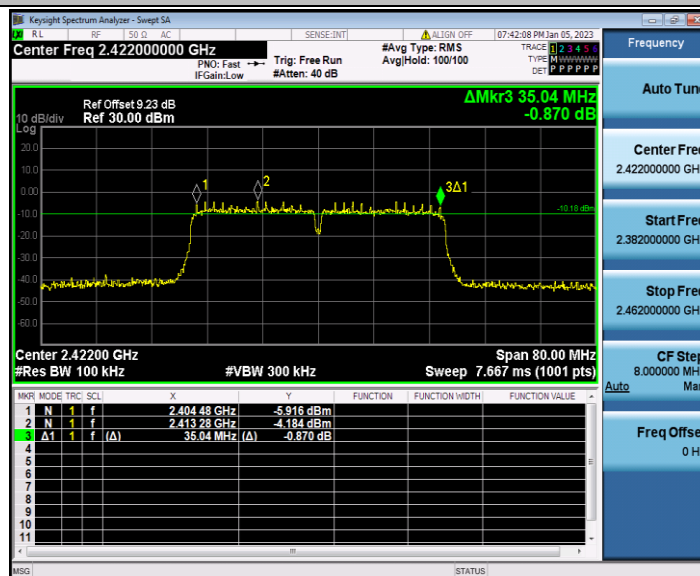
11N20SISO_Ant1_2437



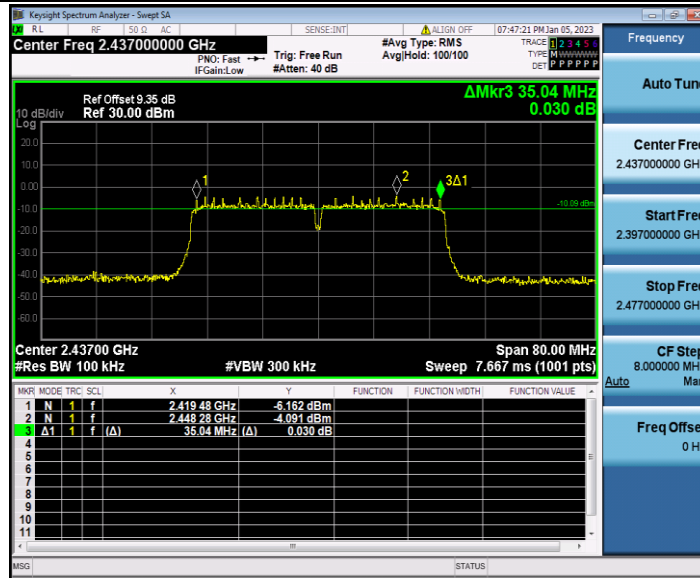
11N20SISO_Ant1_2462



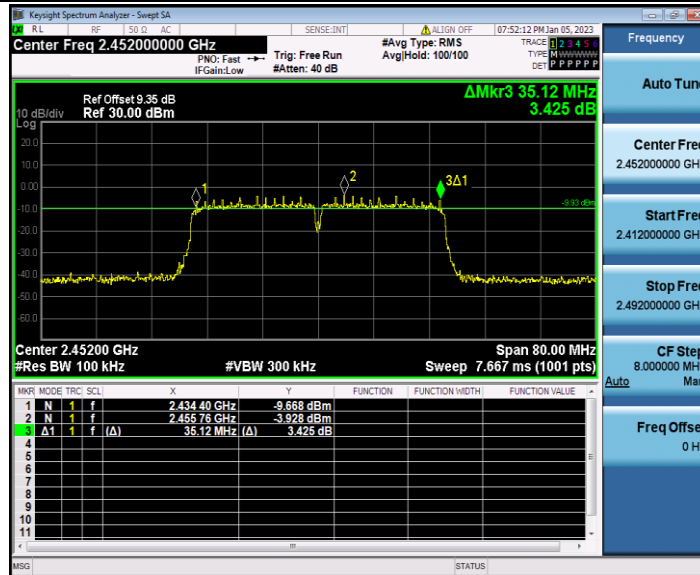
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



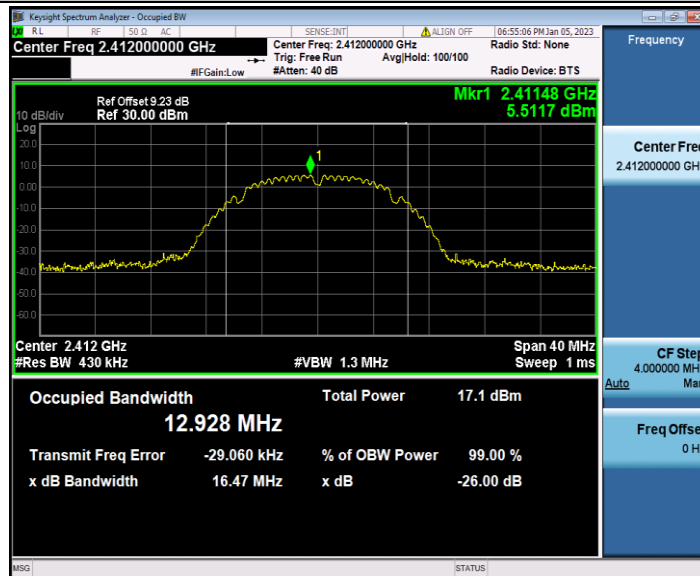
Appendix A.2: Occupied Channel Bandwidth

Test Result

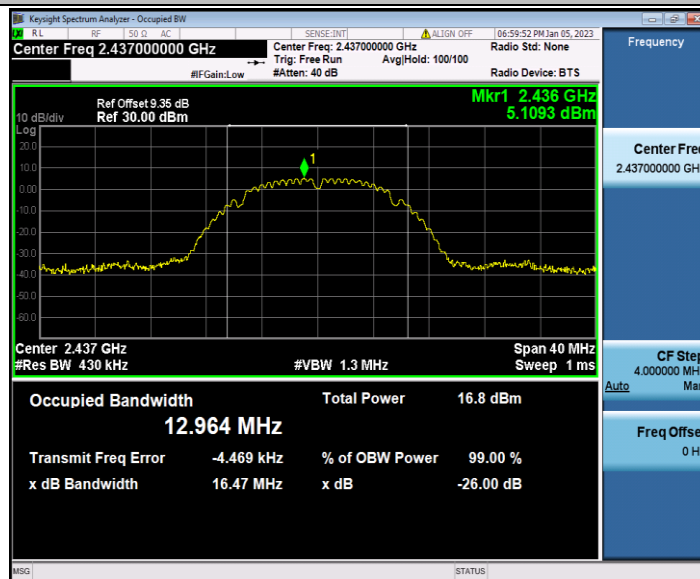
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.928	2405.507	2418.435	---	---
		2437	12.964	2430.514	2443.478	---	---
		2462	12.927	2455.497	2468.424	---	---
11G	Ant1	2412	16.842	2403.563	2420.405	---	---
		2437	16.773	2428.602	2445.375	---	---
		2462	16.700	2453.639	2470.339	---	---
11N20SISO	Ant1	2412	17.621	2403.174	2420.795	---	---
		2437	17.622	2428.198	2445.820	---	---
		2462	17.668	2453.144	2470.812	---	---
11N40SISO	Ant1	2422	36.000	2403.948	2439.948	---	---
		2437	35.976	2419.015	2454.991	---	---
		2452	35.912	2434.048	2469.960	---	---

Test Graphs

11B_Ant1_2412



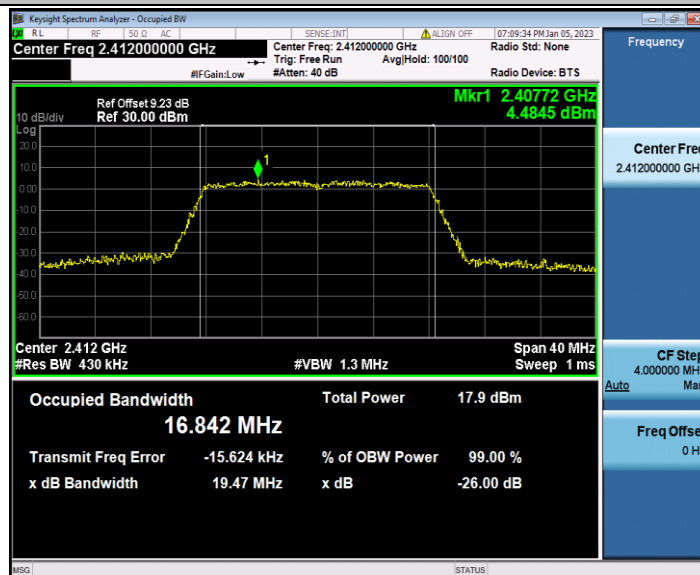
11B_Ant1_2437



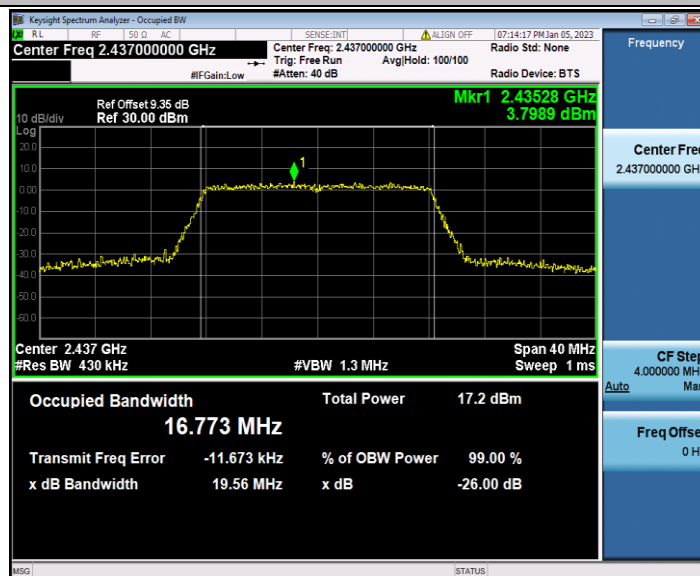
11B_Ant1_2462



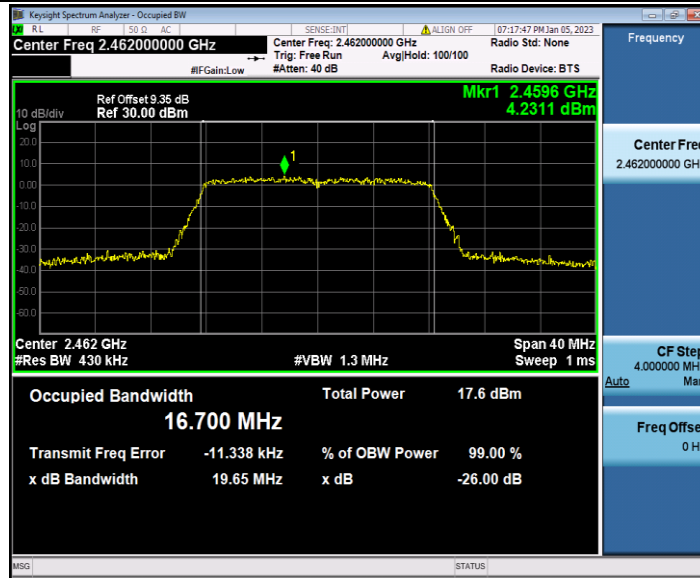
11G_Ant1_2412



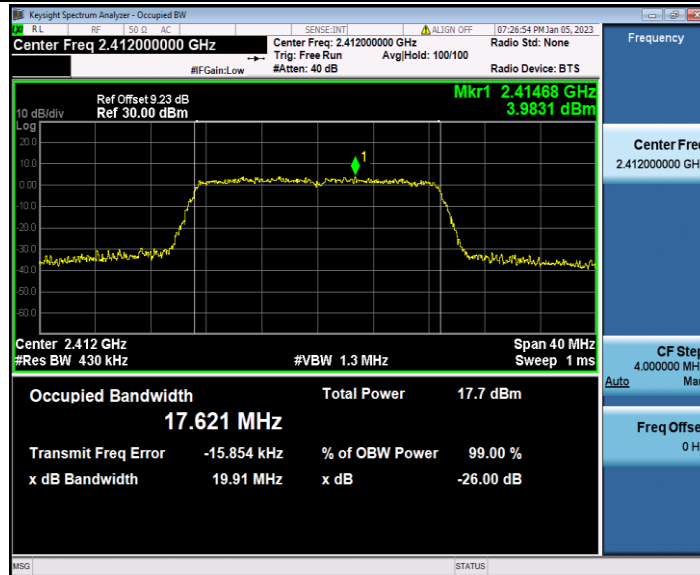
11G_Ant1_2437



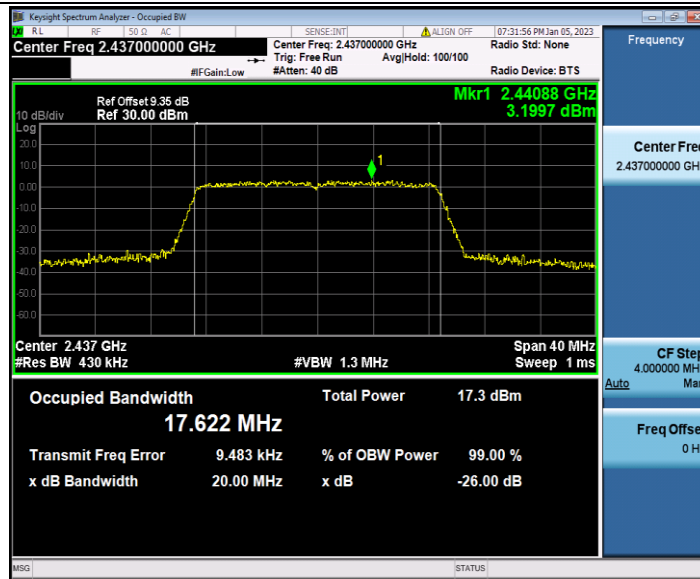
11G_Ant1_2462



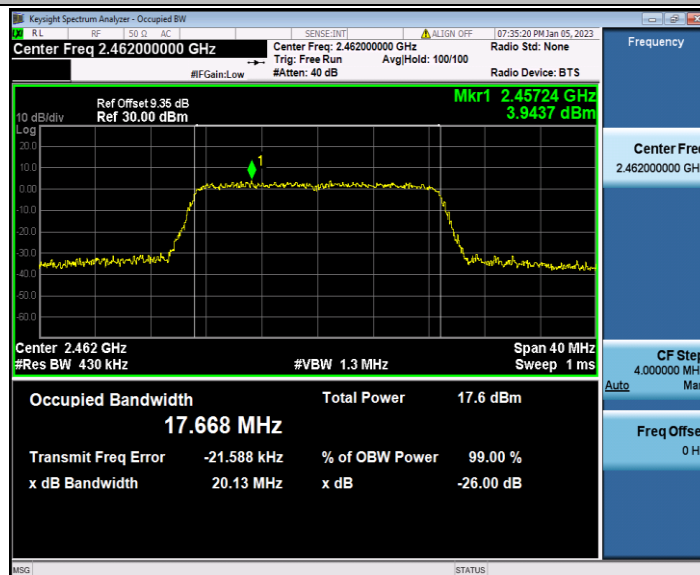
11N20SISO_Ant1_2412



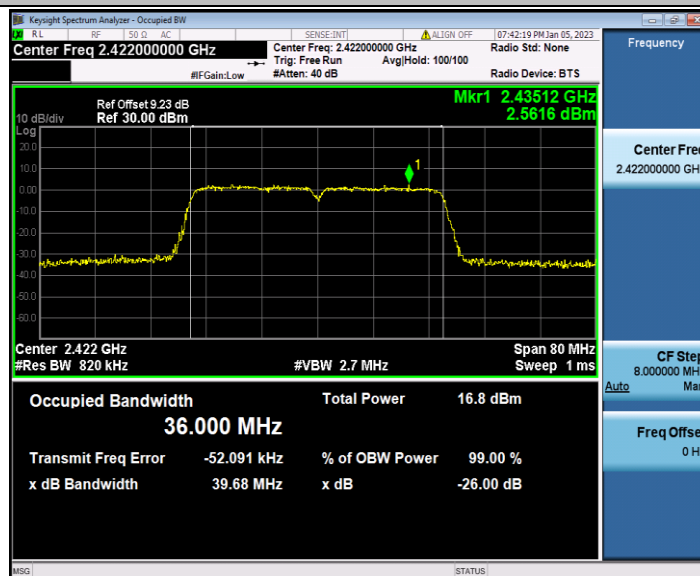
11N20SISO_Ant1_2437



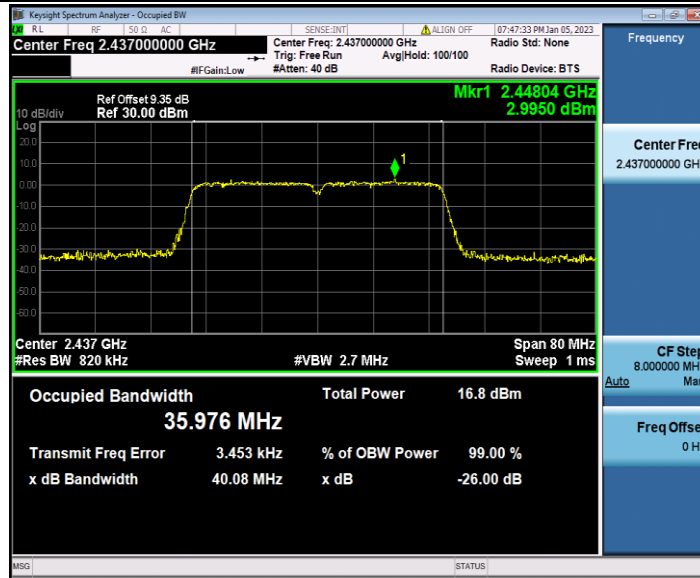
11N20SISO_Ant1_2462



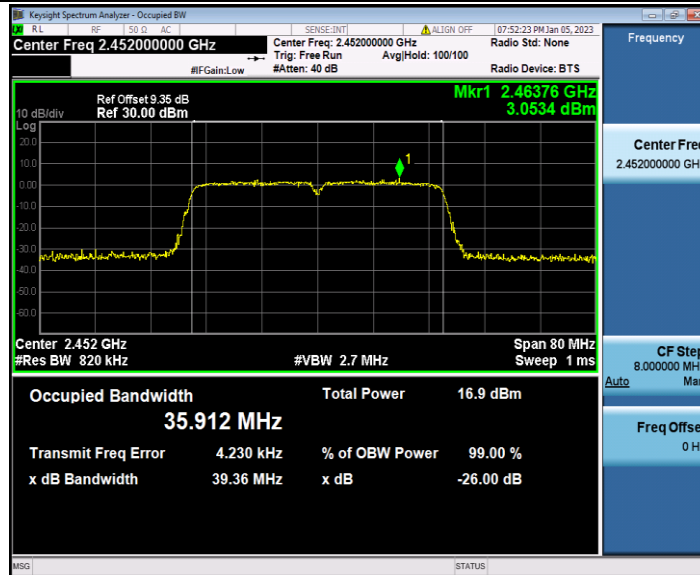
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	20.14	≤30.00	PASS
		2437	20.77	≤30.00	PASS
		2462	20.04	≤30.00	PASS
11G	Ant1	2412	21.12	≤30.00	PASS
		2437	21.45	≤30.00	PASS
		2462	21.78	≤30.00	PASS
11N20SISO	Ant1	2412	21.82	≤30.00	PASS
		2437	21.46	≤30.00	PASS
		2462	21.74	≤30.00	PASS
11N40SISO	Ant1	2422	21.15	≤30.00	PASS
		2437	21.18	≤30.00	PASS
		2452	21.21	≤30.00	PASS

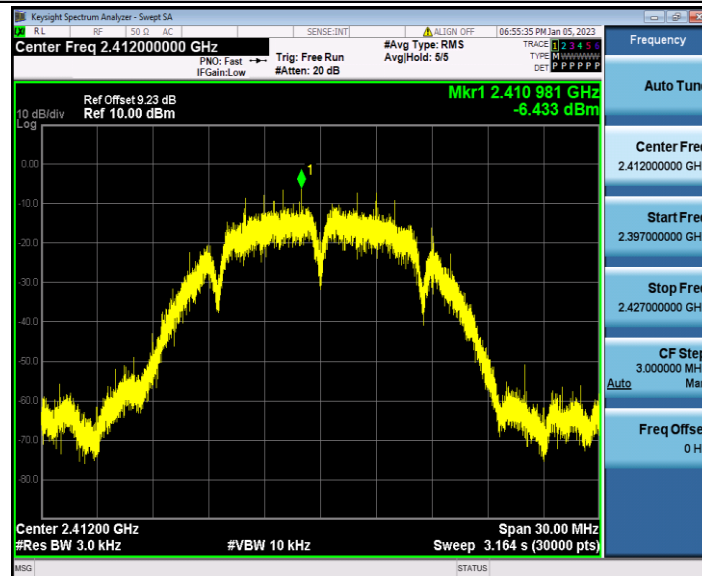
Appendix A.4: Maximum power spectral density

Test Result

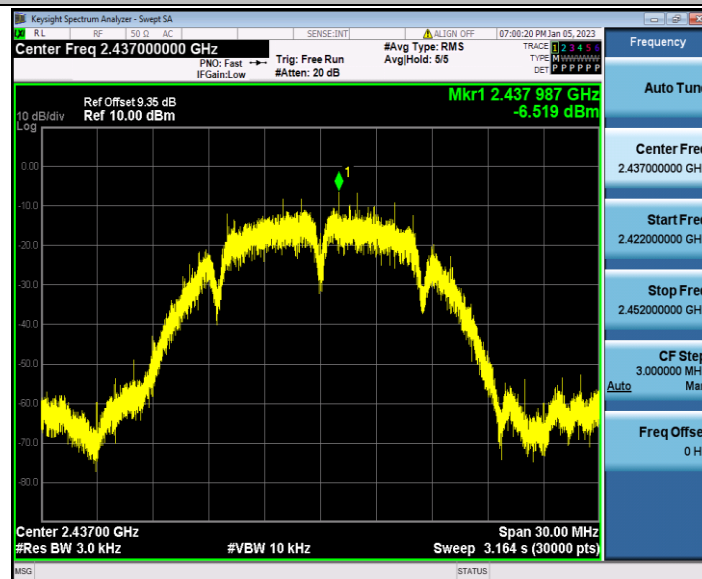
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.43	≤8.00	PASS
		2437	-6.52	≤8.00	PASS
		2462	-6.16	≤8.00	PASS
11G	Ant1	2412	-12.41	≤8.00	PASS
		2437	-13.43	≤8.00	PASS
		2462	-12.94	≤8.00	PASS
11N20SISO	Ant1	2412	-14.04	≤8.00	PASS
		2437	-14.01	≤8.00	PASS
		2462	-14.52	≤8.00	PASS
11N40SISO	Ant1	2422	-18.32	≤8.00	PASS
		2437	-18.69	≤8.00	PASS
		2452	-16.64	≤8.00	PASS

Test Graphs

11B_Ant1_2412



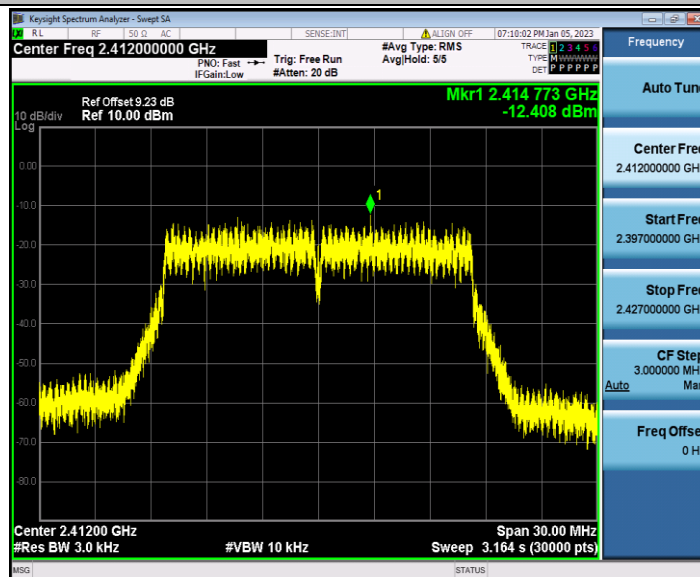
11B_Ant1_2437



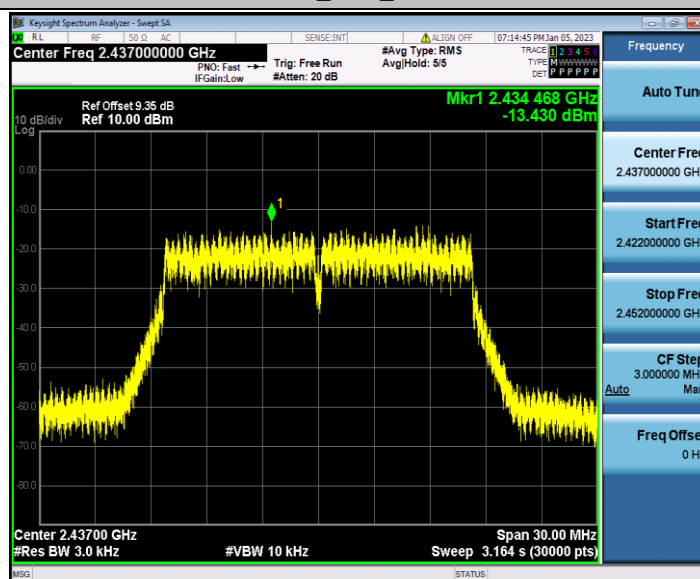
11B_Ant1_2462



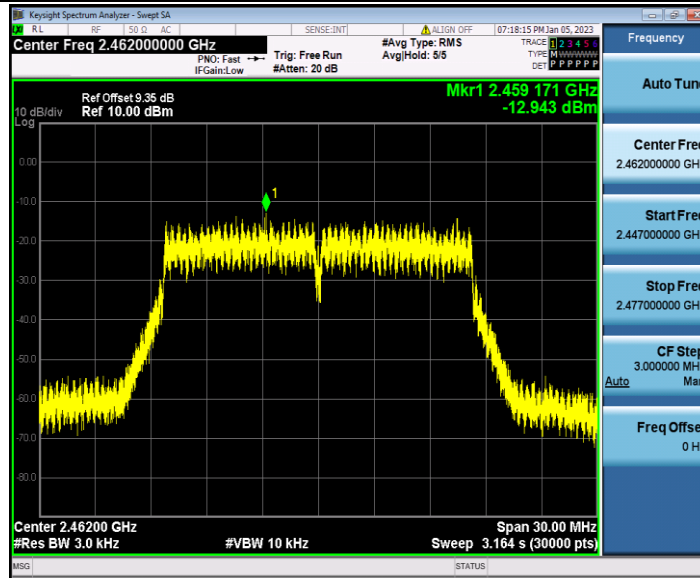
11G_Ant1_2412



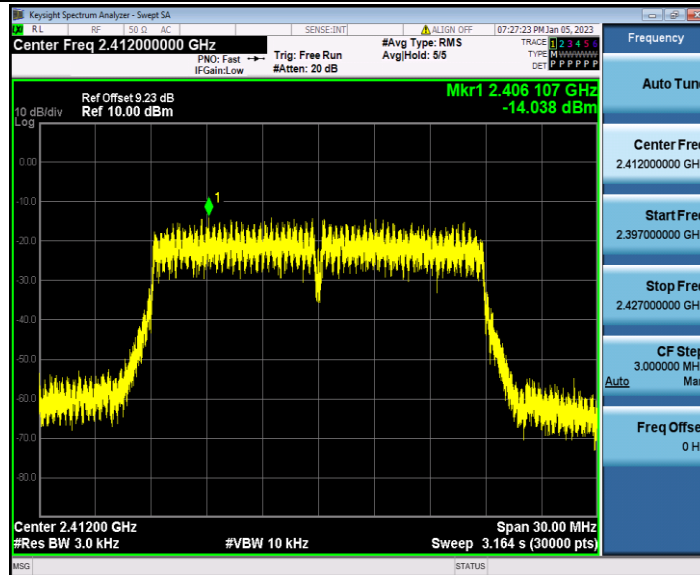
11G_Ant1_2437



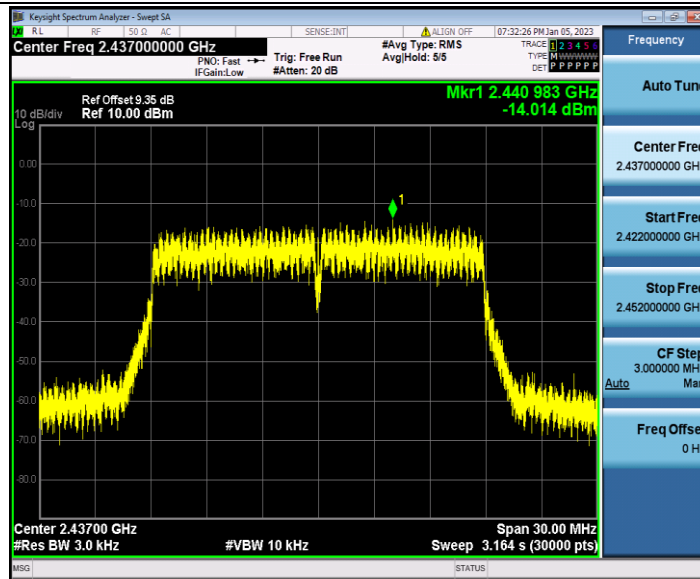
11G_Ant1_2462



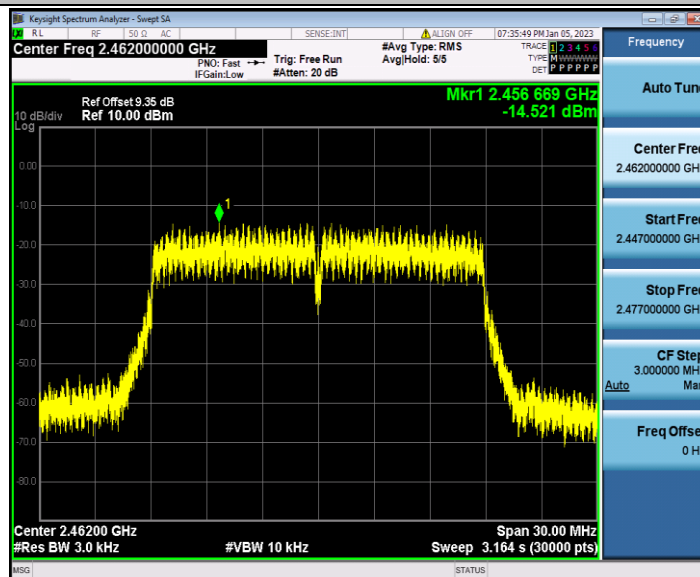
11N20SISO_Ant1_2412



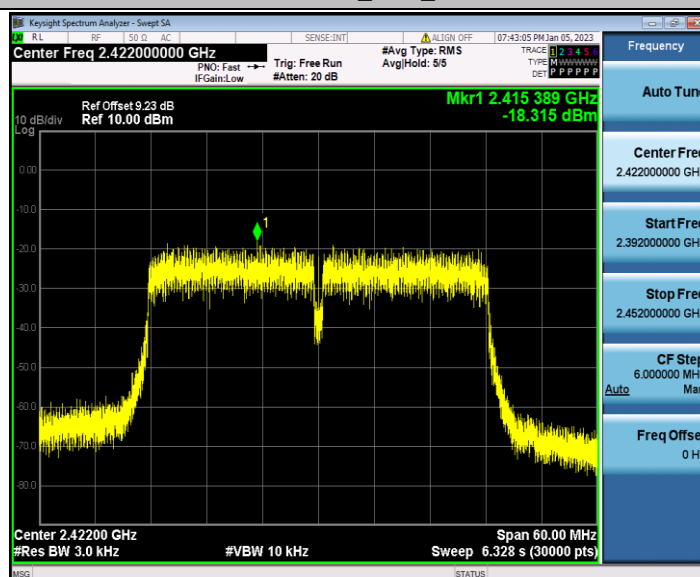
11N20SISO_Ant1_2437



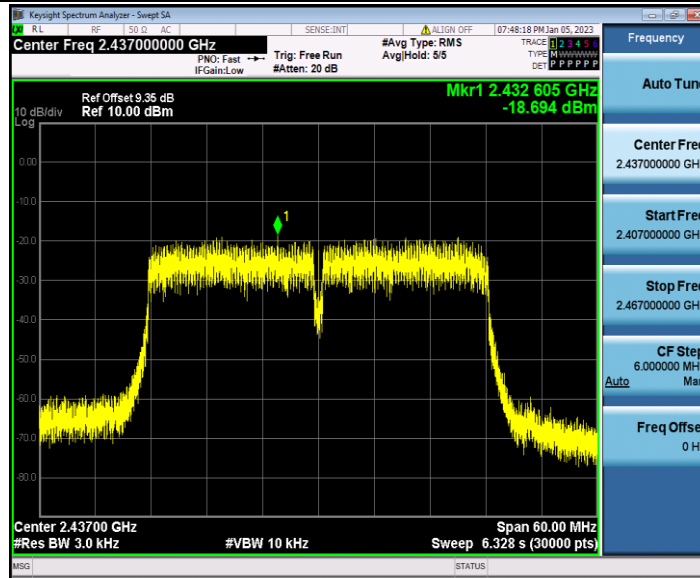
11N20SISO_Ant1_2462



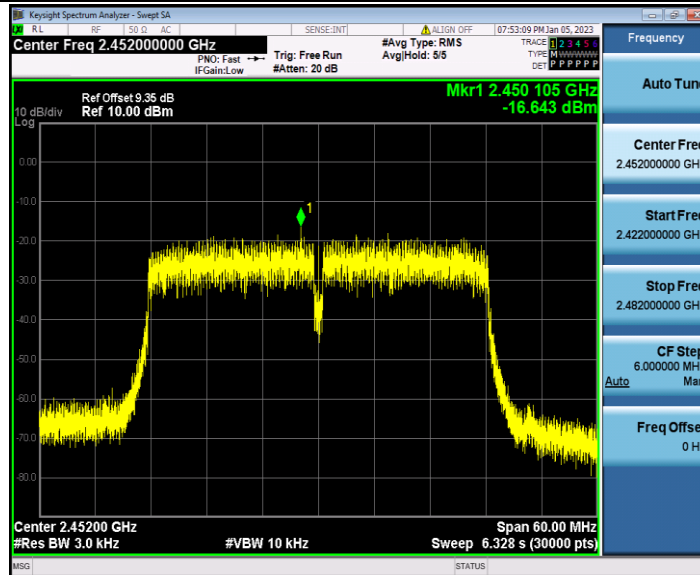
11N40SISO_Ant1_2422



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	5.32	-42.15	≤-14.68	PASS
		High	2462	5.23	-47.75	≤-14.78	PASS
11G	Ant1	Low	2412	0.67	-35.94	≤-19.33	PASS
		High	2462	0.23	-48.42	≤-19.77	PASS
11N20SISO	Ant1	Low	2412	-0.03	-36.68	≤-20.03	PASS
		High	2462	0.50	-46.95	≤-19.5	PASS
11N40SISO	Ant1	Low	2422	-4.20	-40.68	≤-24.2	PASS
		High	2452	-3.91	-48.45	≤-23.91	PASS