Appendix Test Data

Report No.:	18220WC30010403	Test Sample No.:	1-2-2
Start Test Date:	2023.2.2	Finish Test Date:	2023.2.4
Test Engineer:	Tony.He	Auditor:	Edward.Pan
Temperature:	24.3℃	Relative Humidity:	52 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

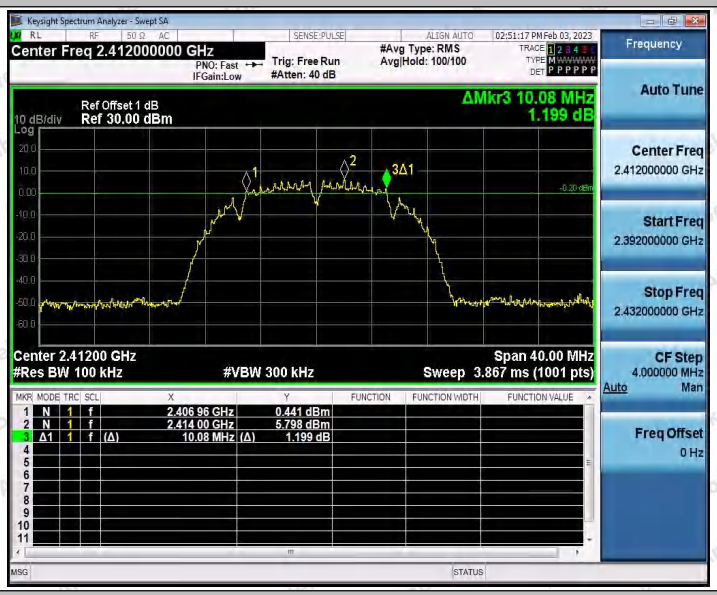
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	≥0.5	PASS
	Ant2	2412	10.080	2406.960	2417.040	≥0.5	PASS
	Ant1	2437	10.120	2431.920	2442.040	≥0.5	PASS
	Ant2	2437	10.080	2431.960	2442.040	≥0.5	PASS
	Ant1	2462	10.040	2456.960	2467.000	≥0.5	PASS
	Ant2	2462	10.080	2456.960	2467.040	≥0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	≥0.5	PASS
	Ant2	2412	15.120	2404.440	2419.560	≥0.5	PASS
	Ant1	2437	15.120	2429.440	2444.560	≥0.5	PASS
	Ant2	2437	15.120	2429.440	2444.560	≥0.5	PASS
	Ant1	2462	15.120	2454.440	2469.560	≥0.5	PASS
	Ant2	2462	15.080	2454.480	2469.560	≥0.5	PASS
11N20	Ant1	2412	15.280	2404.480	2419.760	≥0.5	PASS
	Ant2	2412	15.920	2403.640	2419.560	≥0.5	PASS
	Ant1	2437	16.320	2428.240	2444.560	≥0.5	PASS
	Ant2	2437	15.120	2429.440	2444.560	≥0.5	PASS
	Ant1	2462	16.240	2453.280	2469.520	≥0.5	PASS
	Ant2	2462	15.080	2454.440	2469.520	≥0.5	PASS
11N40	Ant1	2422	35.040	2404.480	2439.520	≥0.5	PASS
	Ant2	2422	35.100	2404.480	2439.580	≥0.5	PASS
	Ant1	2437	35.100	2419.480	2454.580	≥0.5	PASS
	Ant2	2437	35.100	2419.480	2454.580	≥0.5	PASS
	Ant1	2452	32.520	2434.480	2467.000	≥0.5	PASS
	Ant2	2452	32.460	2434.540	2467.000	≥0.5	PASS

11AX20	Ant1	2412	15.080	2404.480	2419.560	≥0.5	PASS
	Ant2	2412	15.120	2404.440	2419.560	≥0.5	PASS
	Ant1	2437	14.400	2430.160	2444.560	≥0.5	PASS
	Ant2	2437	15.720	2428.840	2444.560	≥0.5	PASS
	Ant1	2462	16.320	2453.200	2469.520	≥0.5	PASS
	Ant2	2462	15.120	2454.440	2469.560	≥0.5	PASS
11AX40	Ant1	2422	35.040	2404.480	2439.520	≥0.5	PASS
	Ant2	2422	35.040	2404.480	2439.520	≥0.5	PASS
	Ant1	2437	35.760	2419.540	2455.300	≥0.5	PASS
	Ant2	2437	35.220	2419.480	2454.700	≥0.5	PASS
	Ant1	2452	32.520	2434.480	2467.000	≥0.5	PASS
	Ant2	2452	30.180	2434.420	2464.600	≥0.5	PASS

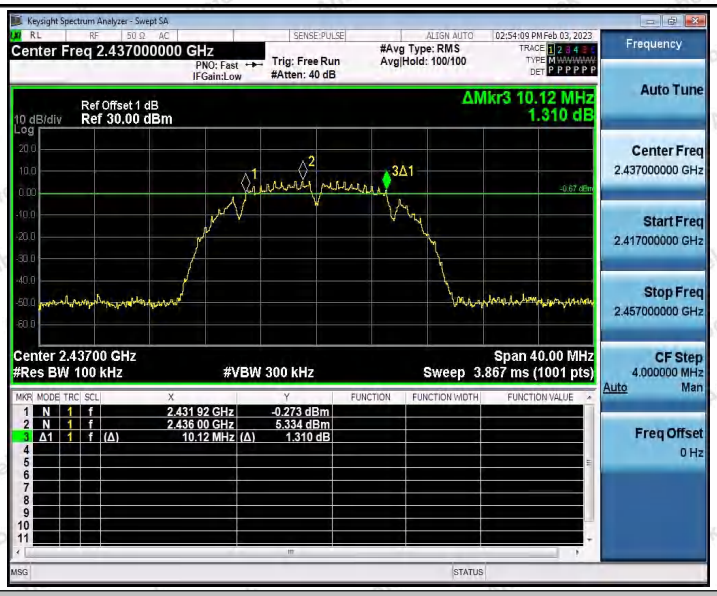
Test Graphs

11B_Ant1_2412

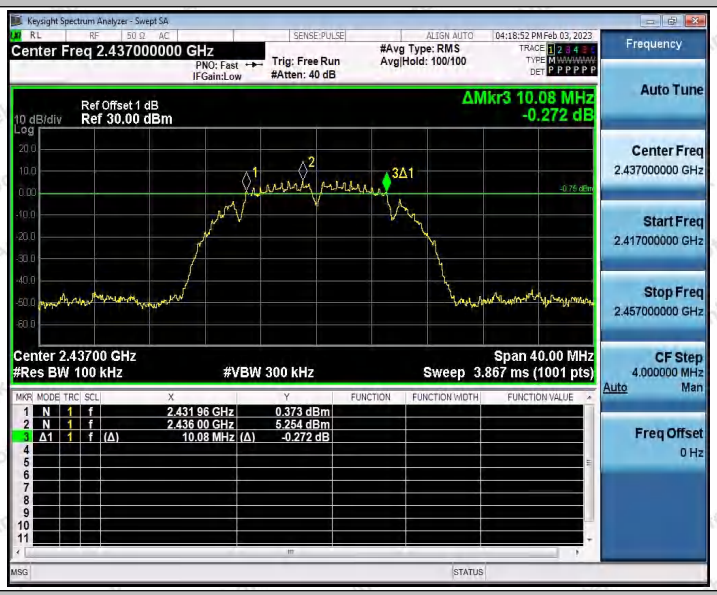


11B_Ant2_2412

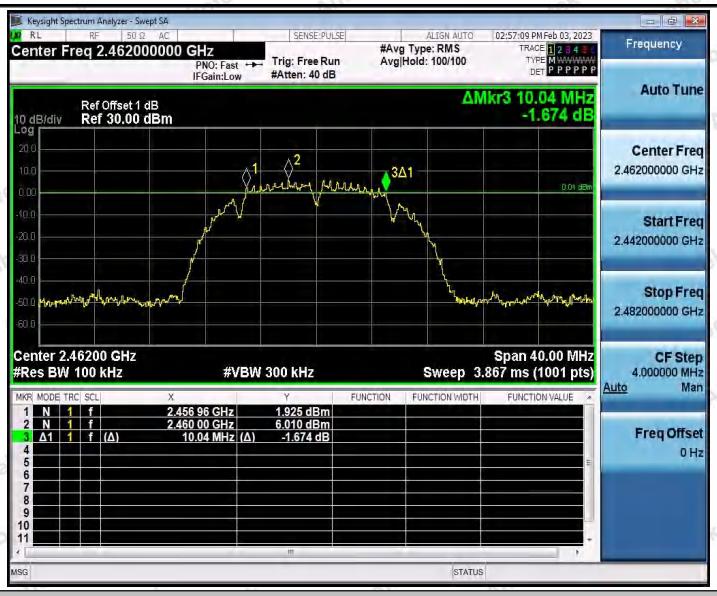
11B_Ant1_2437



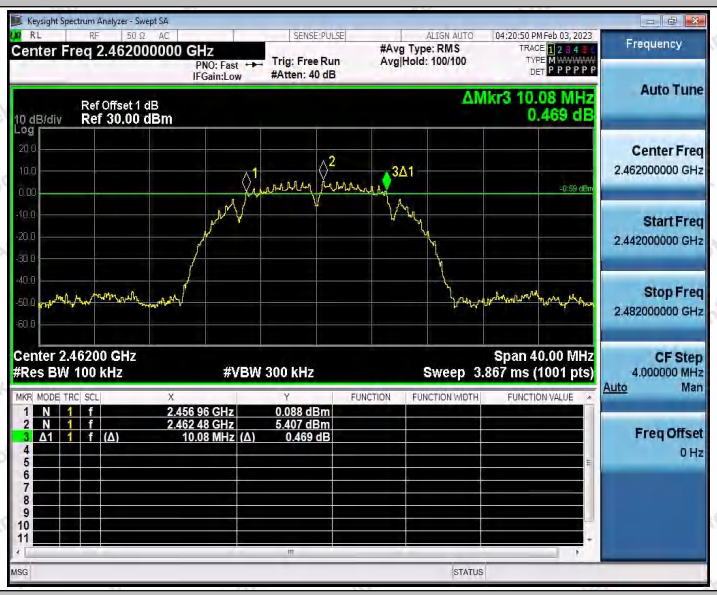
11B_Ant2_2437



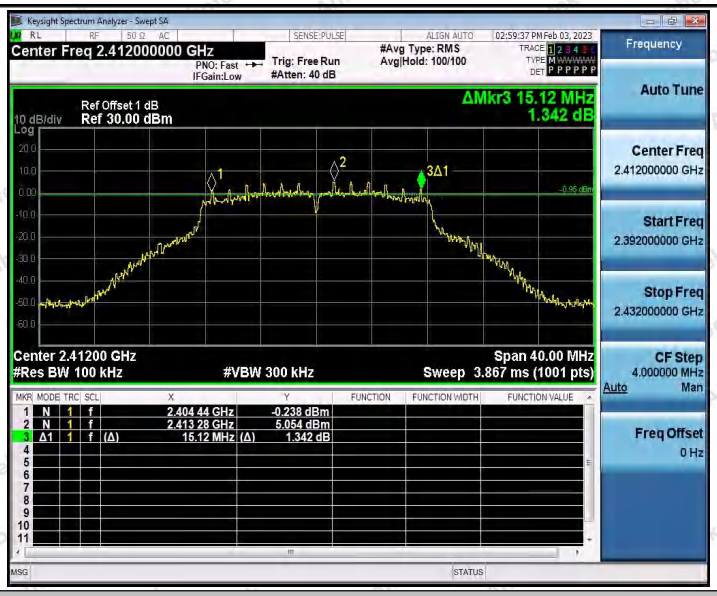
11B_Ant1_2462



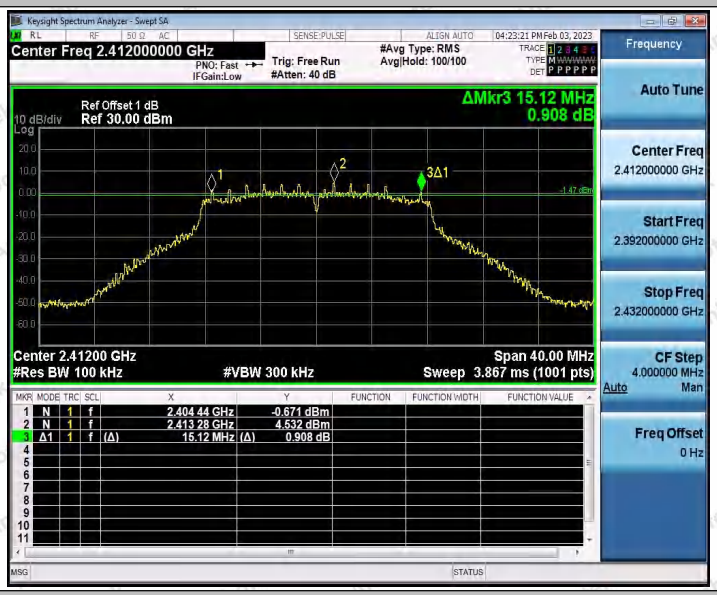
11B_Ant2_2462



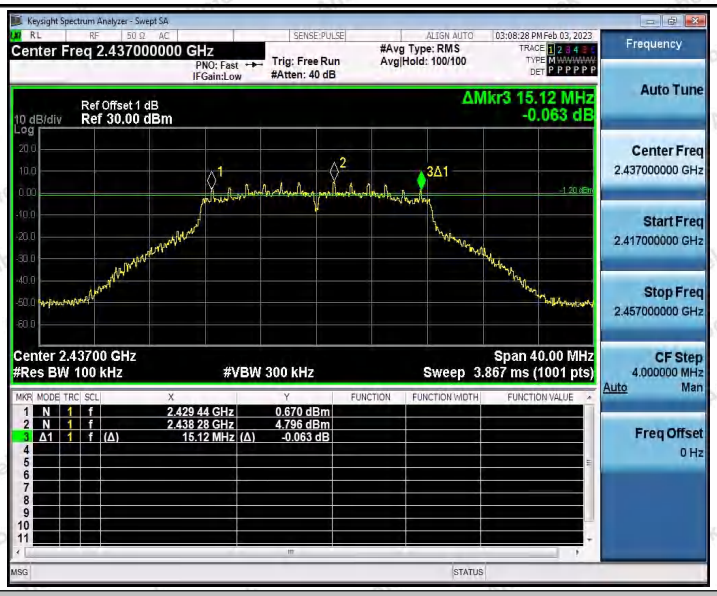
11G_Ant1_2412



11G_Ant2_2412

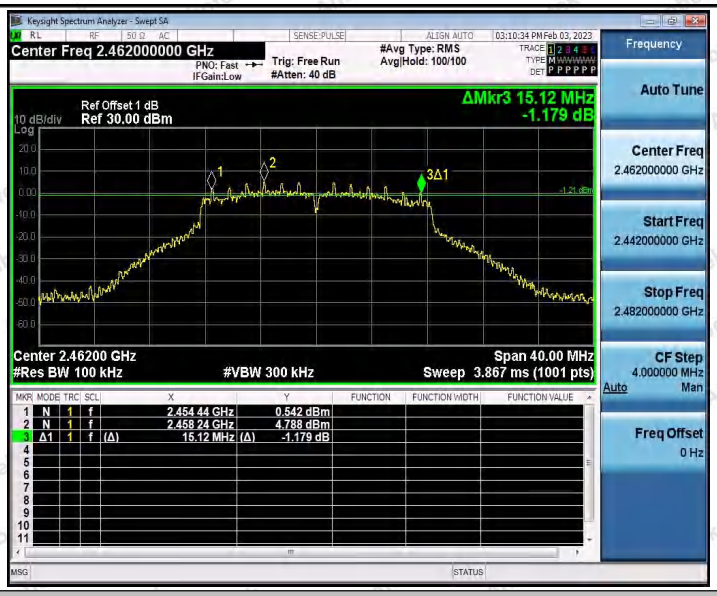


11G_Ant1_2437



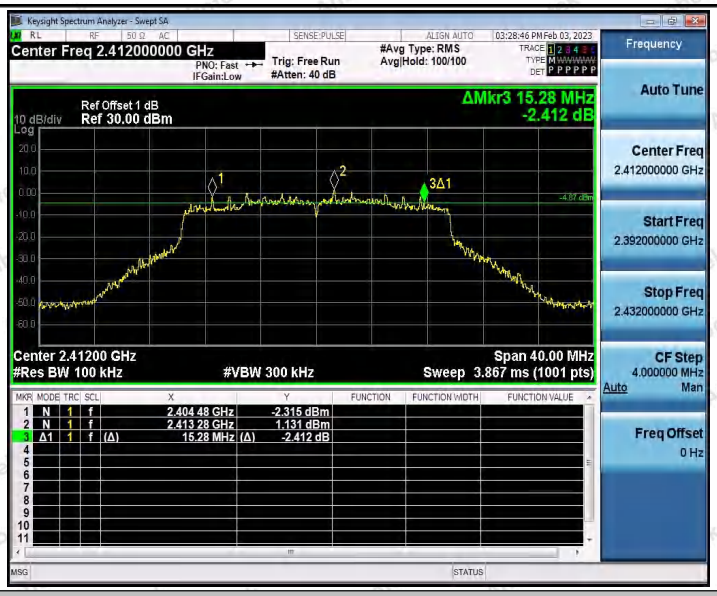
11G_Ant2_2437

11G_Ant1_2462

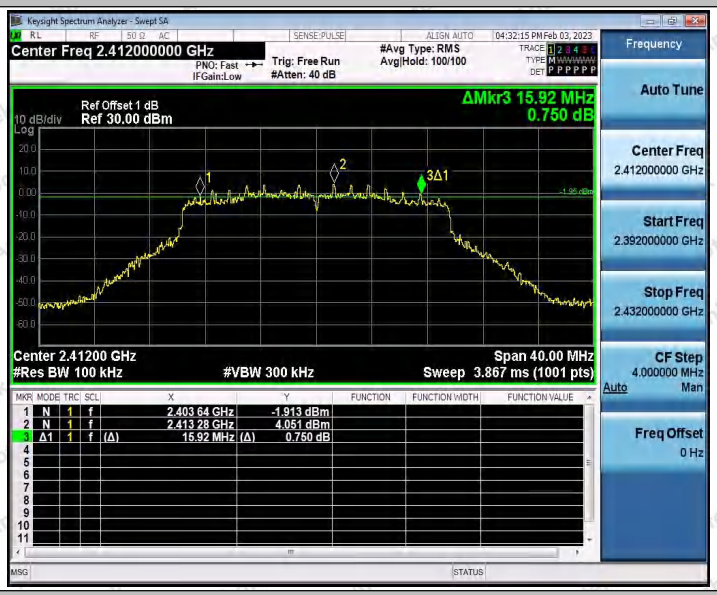


11G_Ant2_2462

11N20_Ant1_2412

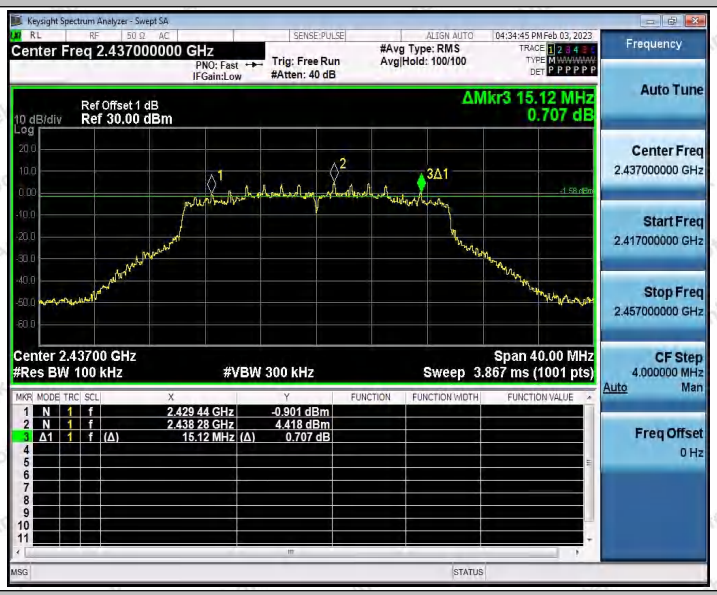


11N20_Ant2_2412

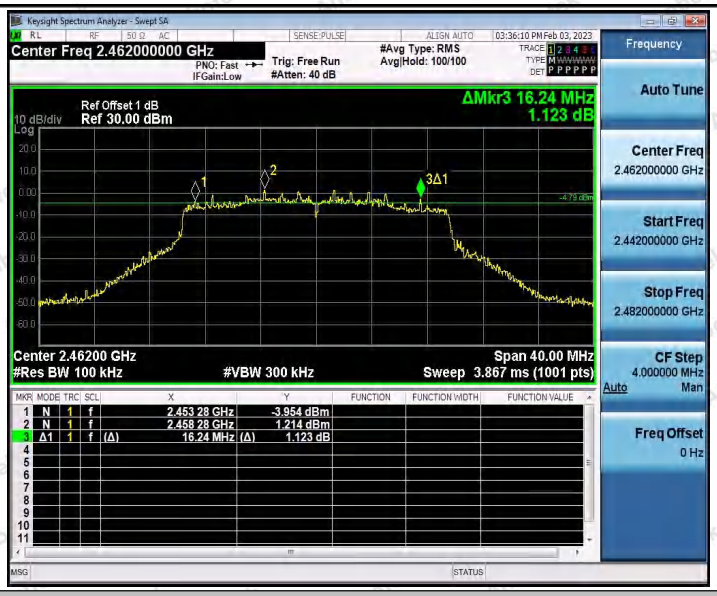


11N20_Ant1_2437

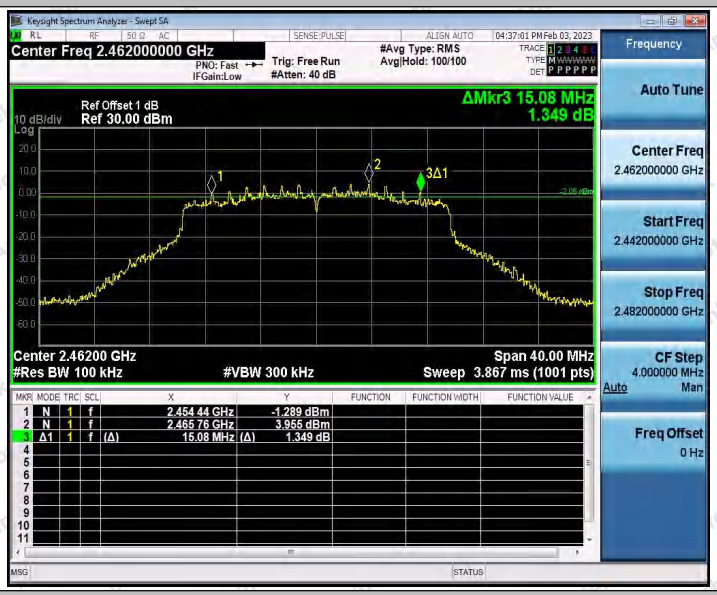
11N20_Ant2_2437



11N20_Ant1_2462

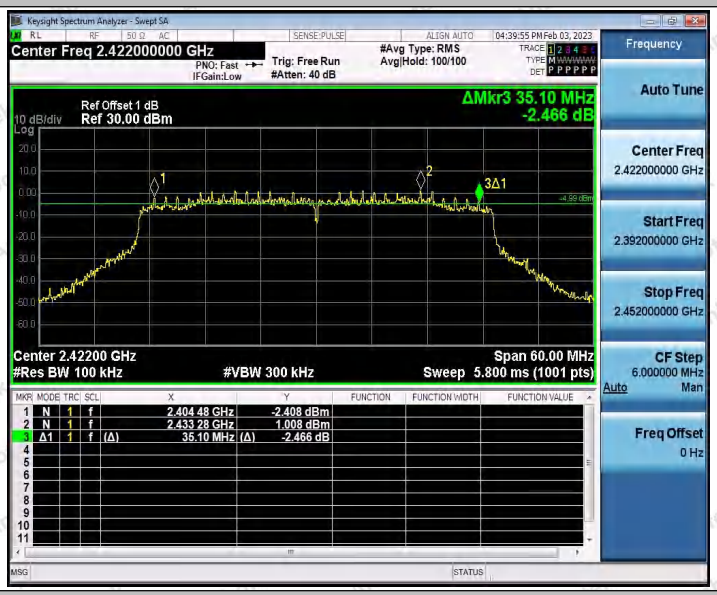


11N20_Ant2_2462



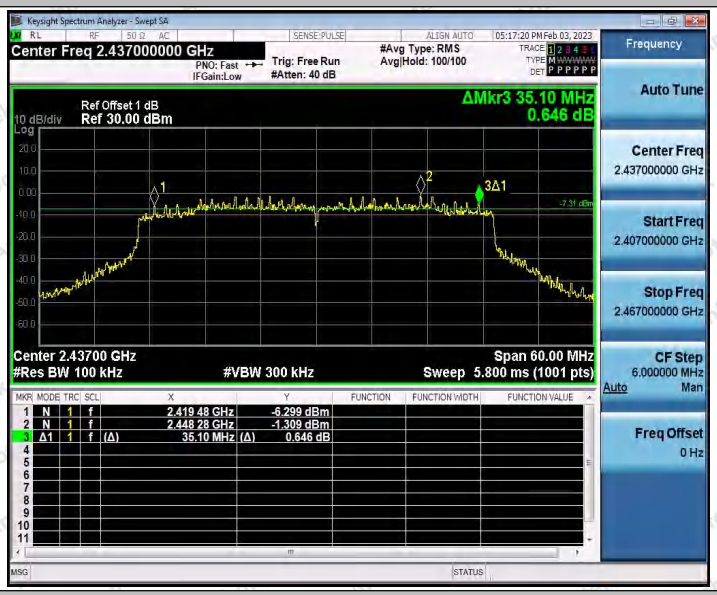
11N40_Ant1_2422

11N40_Ant2_2422



11N40_Ant1_2437

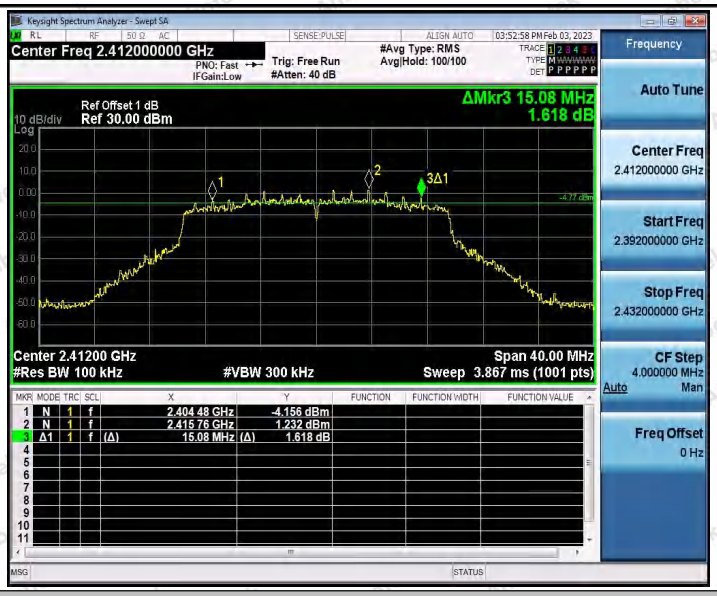
11N40_Ant2_2437



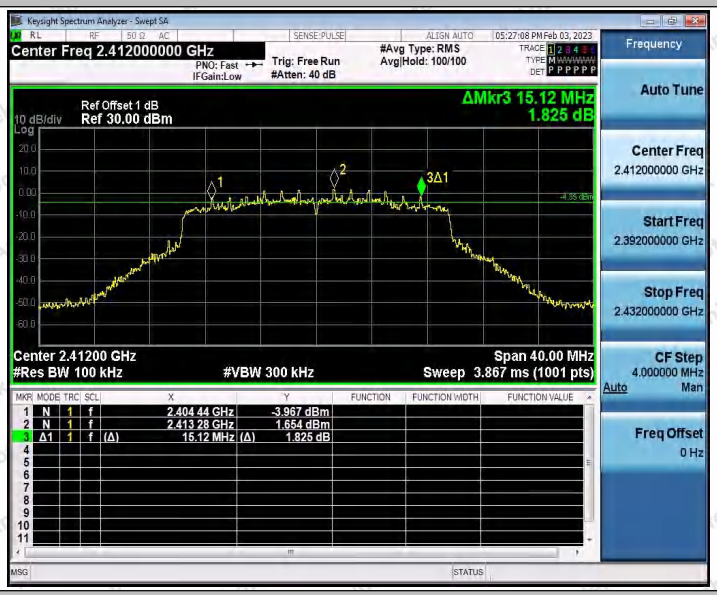
11N40_Ant1_2452

11N40_Ant2_2452

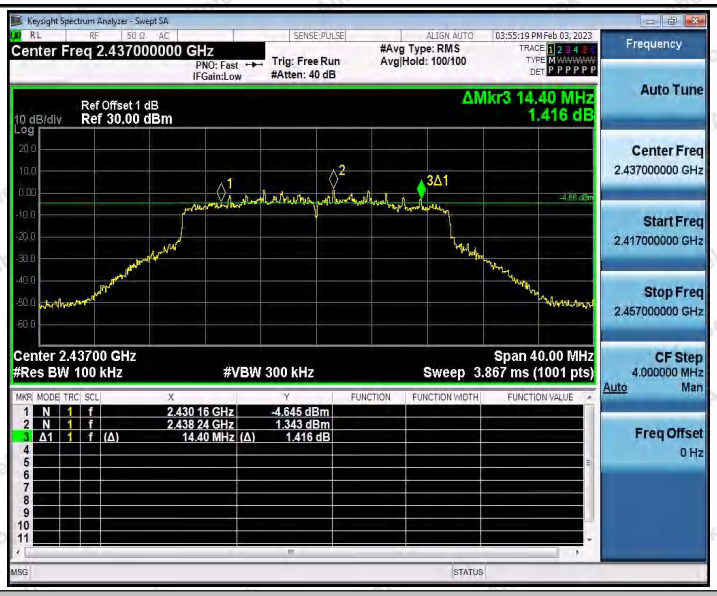
11AX20_Ant1_2412



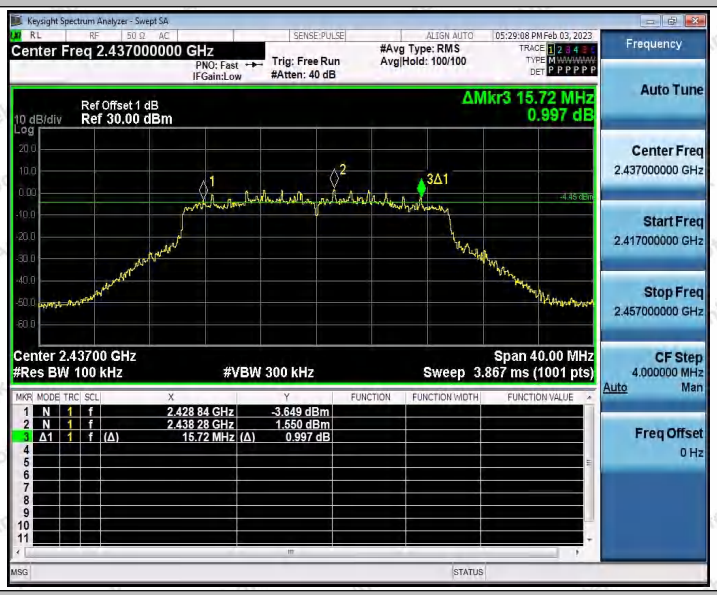
11AX20_Ant2_2412



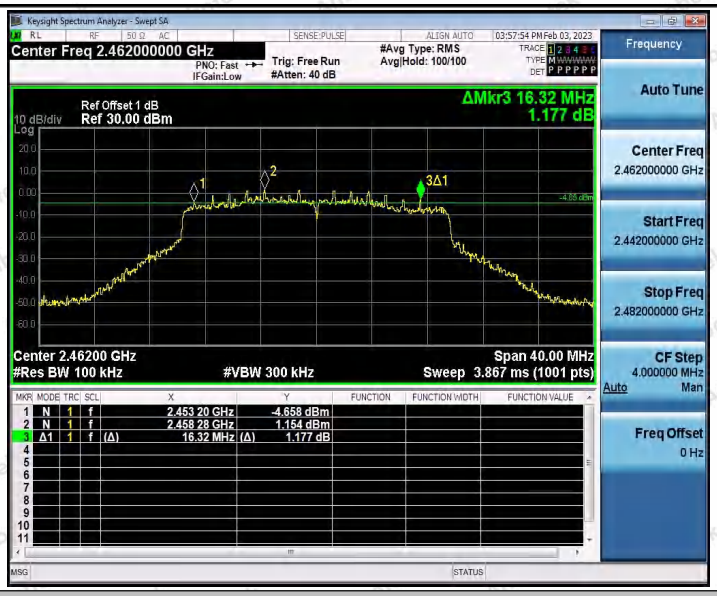
11AX20_Ant1_2437



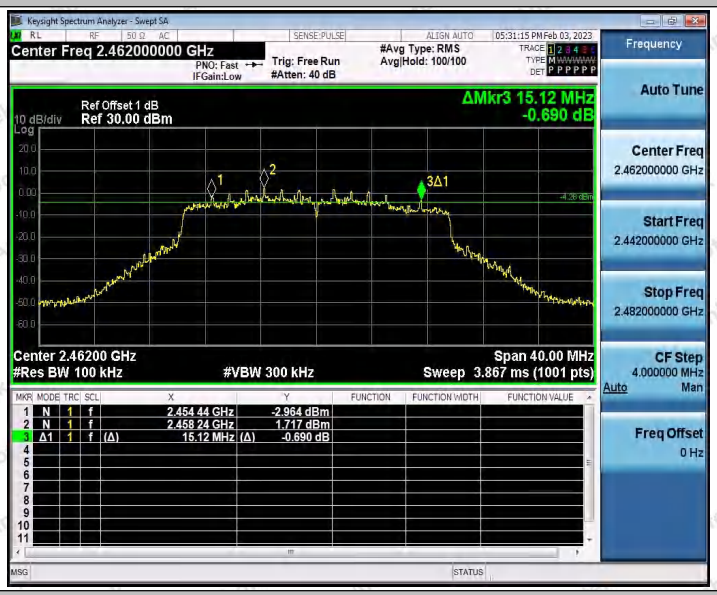
11AX20_Ant2_2437



11AX20_Ant1_2462

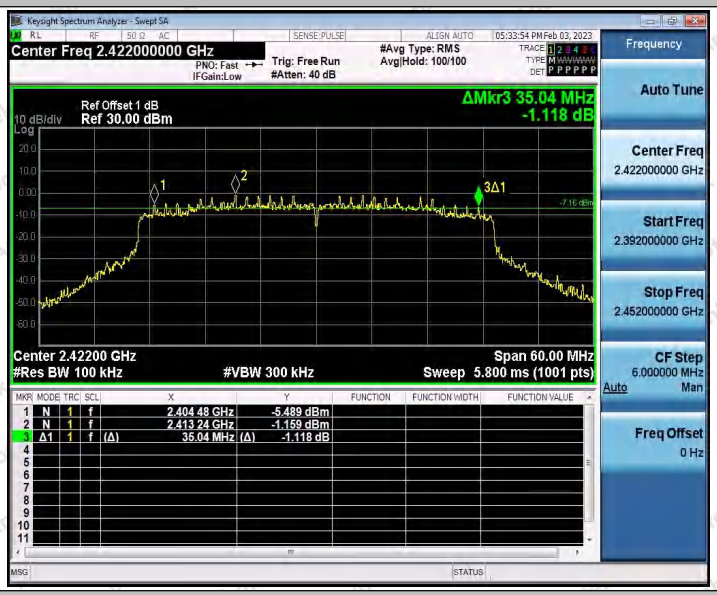


11AX20_Ant2_2462



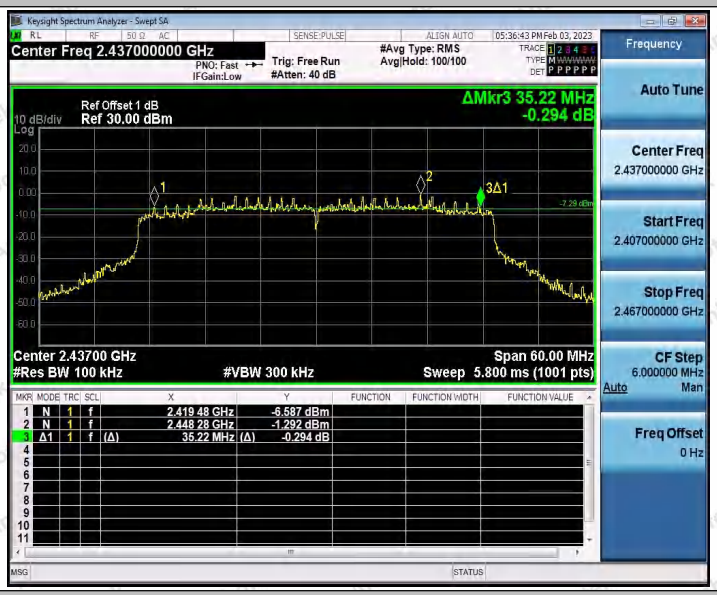
11AX40_Ant1_2422

11AX40_Ant2_2422



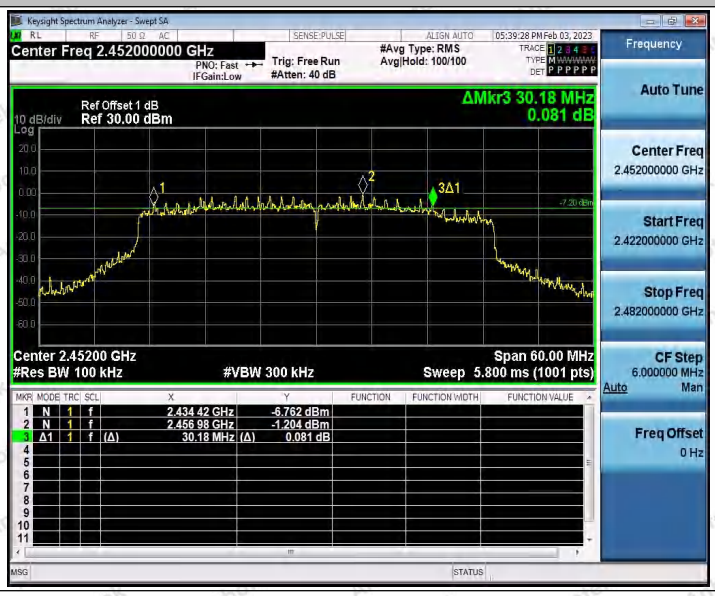
11AX40_Ant1_2437

11AX40_Ant2_2437



11AX40_Ant1_2452

11AX40_Ant2_2452



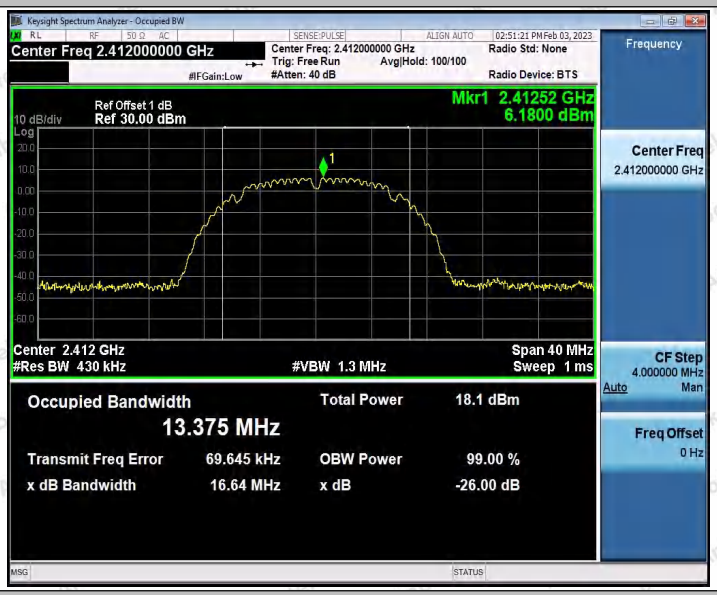
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11B	Ant1	2412	13.375	2405.3822	2418.7572
	Ant2	2412	13.385	2405.3076	2418.6926
	Ant1	2437	13.473	2430.2178	2443.6908
	Ant2	2437	13.306	2430.3737	2443.6797
	Ant1	2462	13.380	2455.2083	2468.5883
	Ant2	2462	13.289	2455.4033	2468.6923
11G	Ant1	2412	16.832	2403.7029	2420.5349
	Ant2	2412	16.778	2403.6631	2420.4411
	Ant1	2437	16.872	2428.5606	2445.4326
	Ant2	2437	16.668	2428.6768	2445.3448
	Ant1	2462	16.741	2453.5821	2470.3231
	Ant2	2462	16.692	2453.7200	2470.4120
11N20	Ant1	2412	18.846	2402.6547	2421.5007
	Ant2	2412	18.911	2402.5620	2421.4730
	Ant1	2437	18.947	2427.5383	2446.4853
	Ant2	2437	18.817	2427.6244	2446.4414
	Ant1	2462	18.950	2452.4952	2471.4452
	Ant2	2462	18.887	2452.5969	2471.4839
11N40	Ant1	2422	37.340	2403.2976	2440.6376
	Ant2	2422	37.432	2403.3263	2440.7583
	Ant1	2437	37.472	2418.4503	2455.9223
	Ant2	2437	37.565	2418.4113	2455.9763
	Ant1	2452	37.315	2433.2200	2470.5350
	Ant2	2452	37.356	2433.2134	2470.5694
11AX20	Ant1	2412	19.008	2402.5531	2421.5611
	Ant2	2412	18.866	2402.6557	2421.5217
	Ant1	2437	19.033	2427.5080	2446.5410
	Ant2	2437	18.972	2427.5270	2446.4990
	Ant1	2462	18.971	2452.4892	2471.4602
	Ant2	2462	18.927	2452.5278	2471.4548
11AX40	Ant1	2422	37.265	2403.3295	2440.5945
	Ant2	2422	37.531	2403.2394	2440.7704
	Ant1	2437	37.462	2418.4062	2455.8682
	Ant2	2437	37.592	2418.3808	2455.9728
	Ant1	2452	37.242	2433.1933	2470.4353
	Ant2	2452	37.446	2433.1732	2470.6192

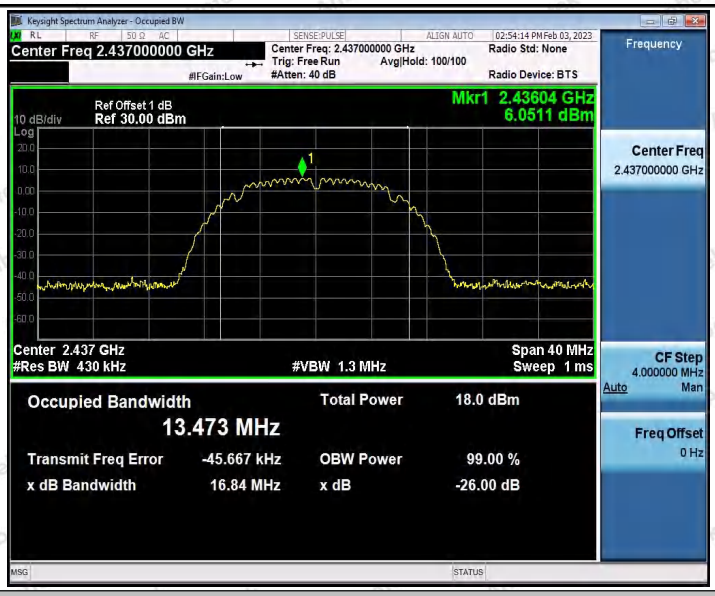
Test Graphs

11B_Ant1_2412



11B_Ant2_2412

11B_Ant1_2437



11B_Ant2_2437

11B_Ant1_2462

11B_Ant2_2462

11G_Ant1_2412

11G_Ant2_2412

11G_Ant1_2437

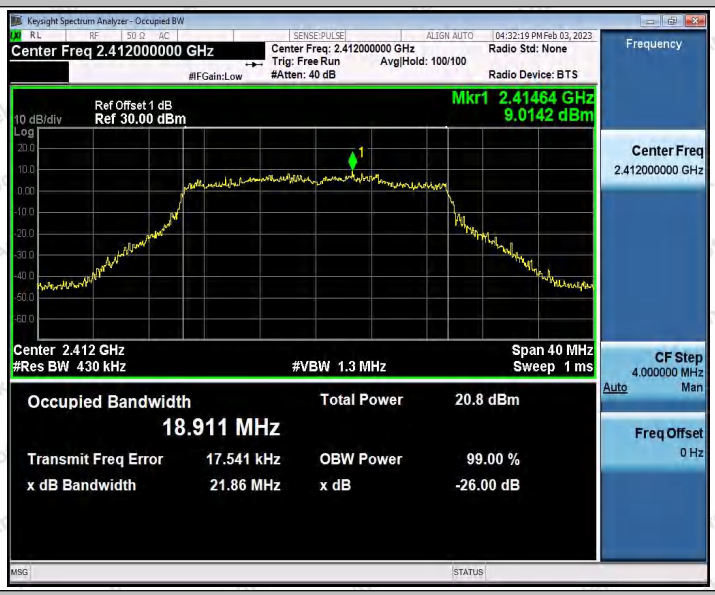
11G_Ant2_2437

11G_Ant1_2462

11G_Ant2_2462

11N20_Ant1_2412

11N20_Ant2_2412



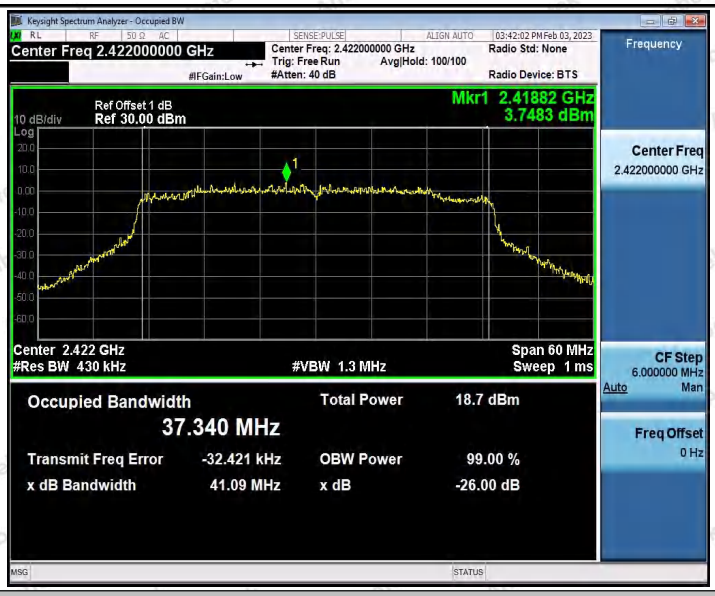
11N20_Ant1_2437

11N20_Ant2_2437

11N20_Ant1_2462

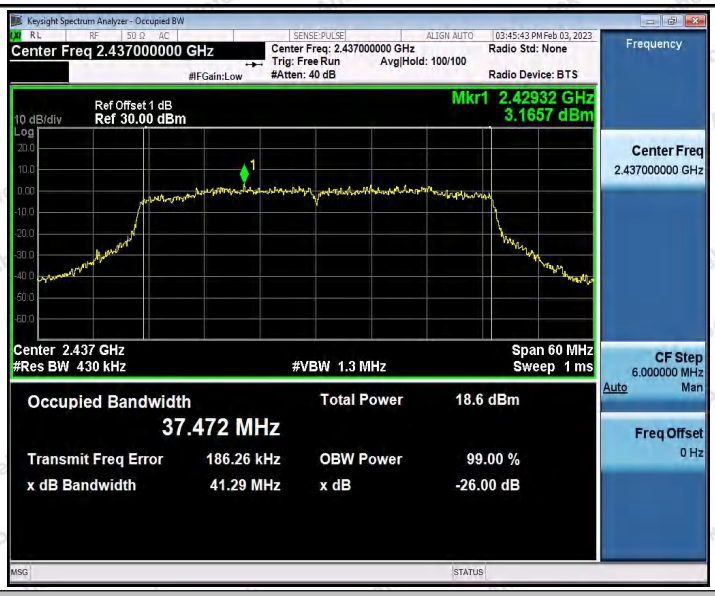
11N20_Ant2_2462

11N40_Ant1_2422



11N40_Ant2_2422

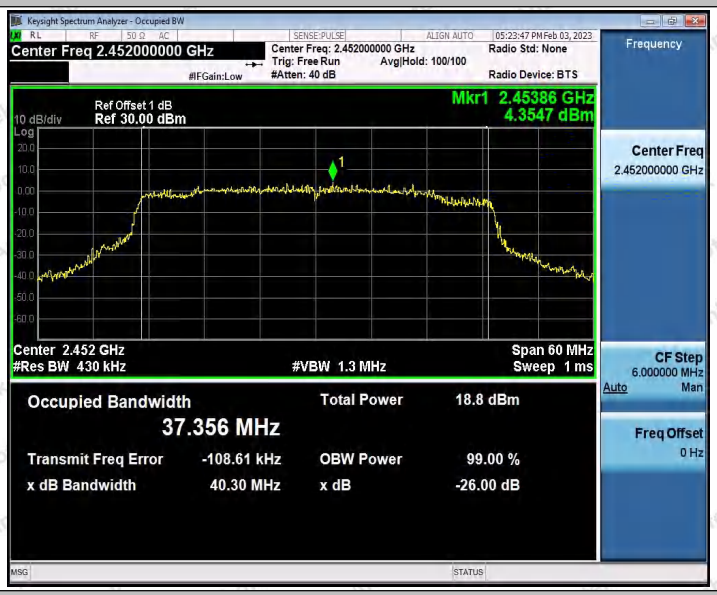
11N40_Ant1_2437



11N40_Ant2_2437

11N40_Ant1_2452

11N40_Ant2_2452



11AX20_Ant1_2412

11AX20_Ant2_2412

11AX20_Ant1_2437

11AX20_Ant2_2437

11AX20_Ant1_2462

11AX20_Ant2_2462

11AX40_Ant1_2422

11AX40_Ant2_2422

11AX40_Ant1_2437

11AX40_Ant2_2437

11AX40_Ant1_2452

11AX40_Ant2_2452

Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	18.23	≤30.00
	Ant2	2412	17.76	≤30.00
	Ant1	2437	18.05	≤30.00
	Ant2	2437	17.73	≤30.00
	Ant1	2462	18.05	≤30.00
	Ant2	2462	17.80	≤30.00
11G	Ant1	2412	21.44	≤30.00
	Ant2	2412	21.06	≤30.00
	Ant1	2437	21.63	≤30.00
	Ant2	2437	21.28	≤30.00
	Ant1	2462	21.48	≤30.00
	Ant2	2462	21.12	≤30.00
11N20	Ant1	2412	18.85	≤30.00
	Ant2	2412	21.30	≤30.00
	Ant1	2437	18.88	≤30.00
	Ant2	2437	21.63	≤30.00
	Ant1	2462	18.83	≤30.00
	Ant2	2462	21.18	≤30.00
11N40	Ant1	2422	17.44	≤30.00
	Ant2	2422	19.77	≤30.00
	Ant1	2437	17.01	≤30.00
	Ant2	2437	17.04	≤30.00
	Ant1	2452	17.34	≤30.00
	Ant2	2452	17.43	≤30.00
11AX20	Ant1	2412	18.65	≤30.00
	Ant2	2412	18.84	≤30.00
	Ant1	2437	18.85	≤30.00
	Ant2	2437	18.95	≤30.00
	Ant1	2462	18.85	≤30.00
	Ant2	2462	18.86	≤30.00
11AX40	Ant1	2422	17.58	≤30.00
	Ant2	2422	17.39	≤30.00
	Ant1	2437	16.99	≤30.00
	Ant2	2437	16.95	≤30.00
	Ant1	2452	17.40	≤30.00
	Ant2	2452	17.35	≤30.00

MIMO

Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11N20	Ant1+Ant2	2412	23.26	≤30	PASS
	Ant1+Ant2	2437	23.48	≤30	PASS
	Ant1+Ant2	2462	23.17	≤30	PASS
11N40	Ant1+Ant2	2422	21.77	≤30	PASS
	Ant1+Ant2	2437	20.04	≤30	PASS
	Ant1+Ant2	2452	20.40	≤30	PASS
11AX20	Ant1+Ant2	2412	21.76	≤30	PASS
	Ant1+Ant2	2437	21.91	≤30	PASS
	Ant1+Ant2	2462	21.87	≤30	PASS
11AX40	Ant1+Ant2	2422	20.50	≤30	PASS
	Ant1+Ant2	2437	19.98	≤30	PASS
	Ant1+Ant2	2452	20.39	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.46	≤8.00	PASS
	Ant2	2412	-7.89	≤8.00	PASS
	Ant1	2437	-7.82	≤8.00	PASS
	Ant2	2437	-9.21	≤8.00	PASS
	Ant1	2462	-8.38	≤8.00	PASS
	Ant2	2462	-8.00	≤8.00	PASS
11G	Ant1	2412	-10.98	≤8.00	PASS
	Ant2	2412	-11.19	≤8.00	PASS
	Ant1	2437	-10.00	≤8.00	PASS
	Ant2	2437	-10.65	≤8.00	PASS
	Ant1	2462	-9.20	≤8.00	PASS
	Ant2	2462	-10.96	≤8.00	PASS
11N20	Ant1	2412	-14.12	≤8.00	PASS
	Ant2	2412	-11.25	≤8.00	PASS
	Ant1	2437	-15.03	≤8.00	PASS
	Ant2	2437	-10.84	≤8.00	PASS
	Ant1	2462	-12.77	≤8.00	PASS
	Ant2	2462	-11.91	≤8.00	PASS
11N40	Ant1	2422	-16.76	≤8.00	PASS
	Ant2	2422	-14.39	≤8.00	PASS
	Ant1	2437	-15.93	≤8.00	PASS
	Ant2	2437	-17.28	≤8.00	PASS
	Ant1	2452	-15.92	≤8.00	PASS
	Ant2	2452	-16.70	≤8.00	PASS
11AX20	Ant1	2412	-15.24	≤8.00	PASS
	Ant2	2412	-14.39	≤8.00	PASS
	Ant1	2437	-13.18	≤8.00	PASS
	Ant2	2437	-13.92	≤8.00	PASS
	Ant1	2462	-14.53	≤8.00	PASS
	Ant2	2462	-13.84	≤8.00	PASS
11AX40	Ant1	2422	-16.56	≤8.00	PASS
	Ant2	2422	-16.75	≤8.00	PASS
	Ant1	2437	-17.31	≤8.00	PASS
	Ant2	2437	-17.70	≤8.00	PASS
	Ant1	2452	-16.77	≤8.00	PASS
	Ant2	2452	-16.20	≤8.00	PASS

MINO

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11N20	Ant1+Ant2	2412	-9.44	≤8	PASS
	Ant1+Ant2	2437	-9.44	≤8	PASS
	Ant1+Ant2	2462	-9.31	≤8	PASS
11N40	Ant1+Ant2	2422	-12.40	≤8	PASS
	Ant1+Ant2	2437	-13.54	≤8	PASS
	Ant1+Ant2	2452	-13.28	≤8	PASS
11AX20	Ant1+Ant2	2412	-11.78	≤8	PASS
	Ant1+Ant2	2437	-10.52	≤8	PASS
	Ant1+Ant2	2462	-11.16	≤8	PASS
11AX40	Ant1+Ant2	2422	-13.64	≤8	PASS
	Ant1+Ant2	2437	-14.49	≤8	PASS
	Ant1+Ant2	2452	-13.47	≤8	PASS

Test Graphs

11B_Ant1_2412

11B_Ant2_2412

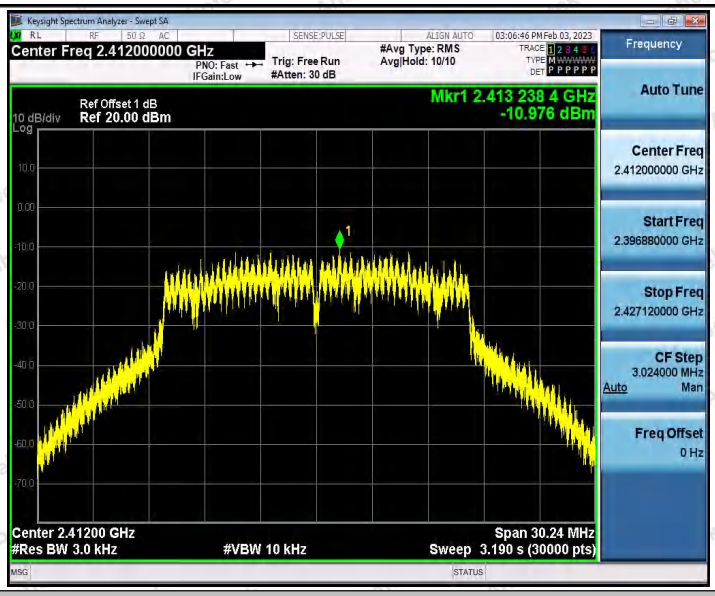
11B_Ant1_2437

11B_Ant2_2437

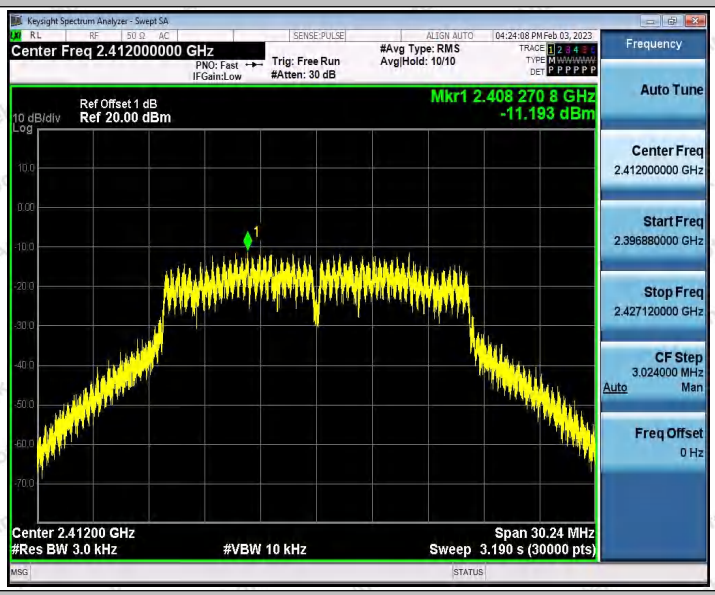
11B_Ant1_2462

11B_Ant2_2462

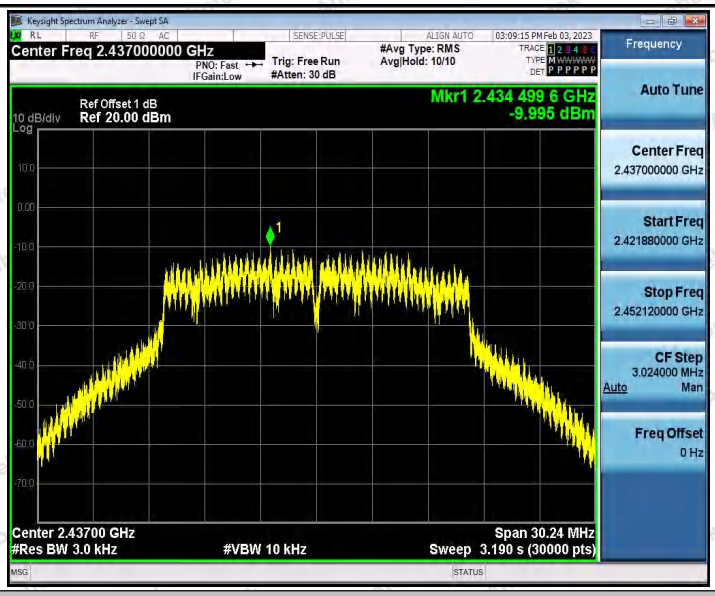
11G_Ant1_2412



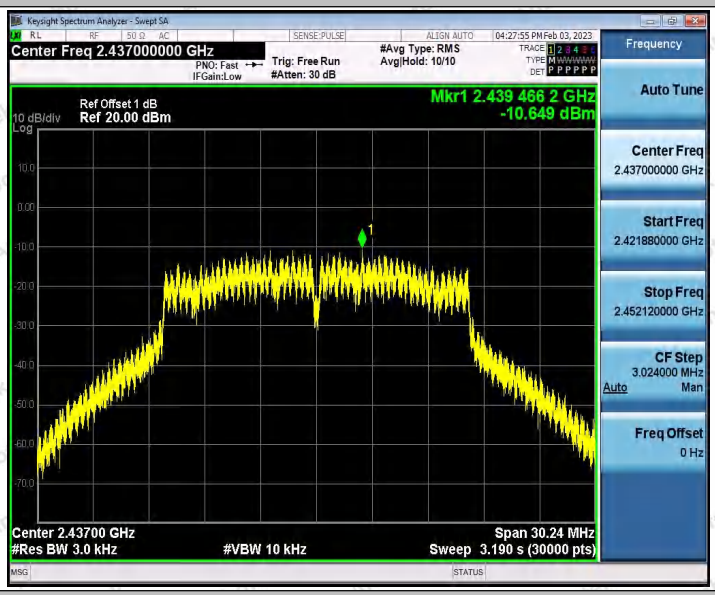
11G_Ant2_2412



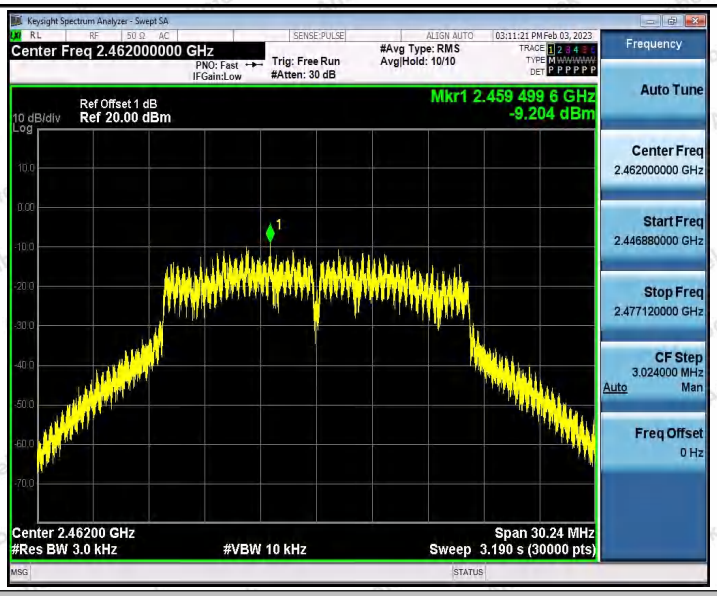
11G_Ant1_2437



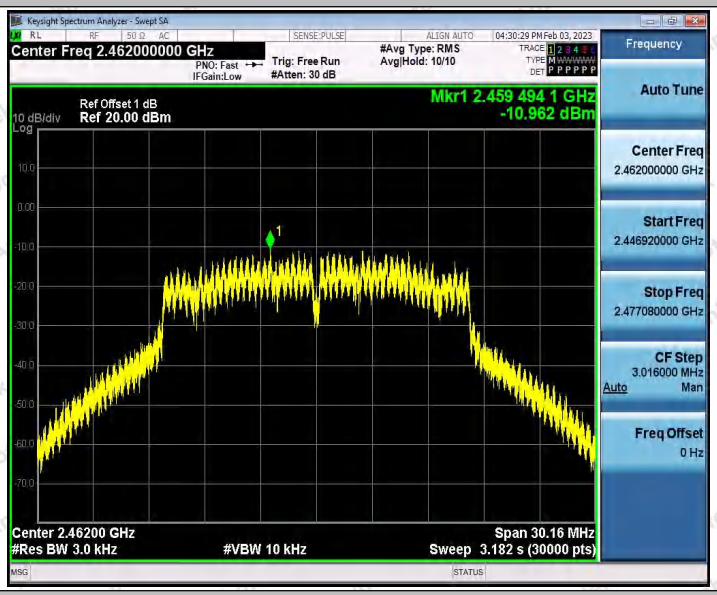
11G_Ant2_2437



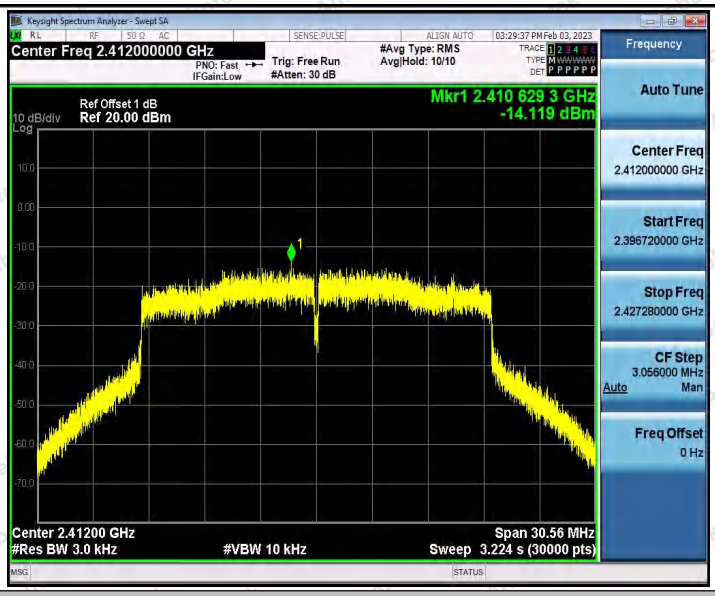
11G_Ant1_2462



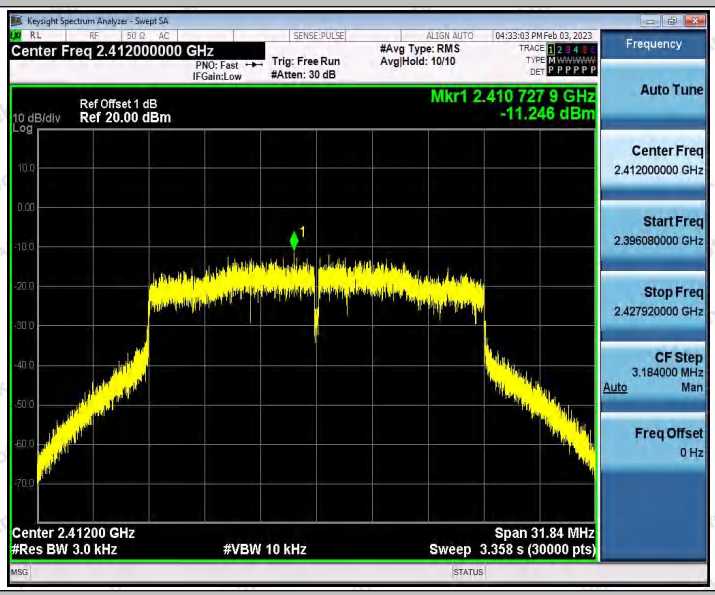
11G_Ant2_2462



11N20_Ant1_2412



11N20_Ant2_2412



11N20_Ant1_2437