Power Setting:

Mode	Channel	Power setting
11b-1M	2412	21
	2437	22
	2462	22
11g-6M	2412	18
	2437	19
	2462	19
11n-MCS0-HT20	2412	19
	2437	19
	2462	19
11n-MCS0-HT40	2422	18
	2437	18
	2452	18
11ac-MCS0-HT20	2412	19
	2437	19
	2462	19
11ac-MCS0-HT40	2422	18
	2437	18
	2452	18

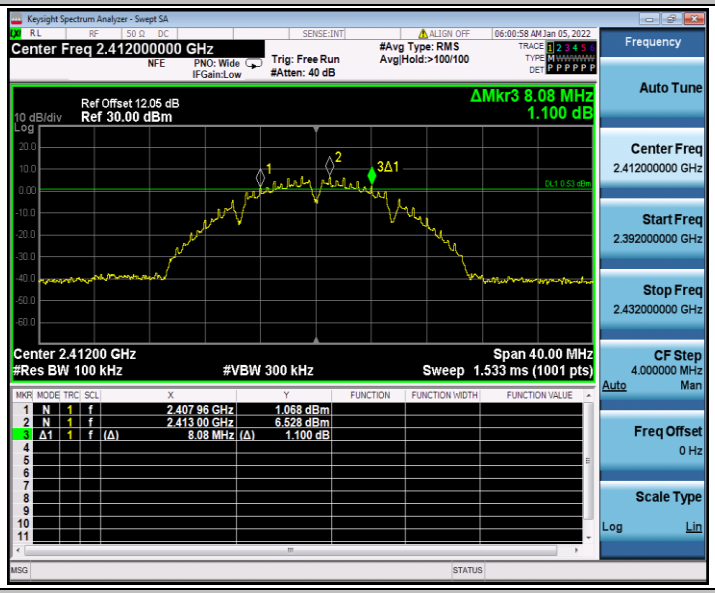
Appendix A: DTS Bandwidth

Test Result

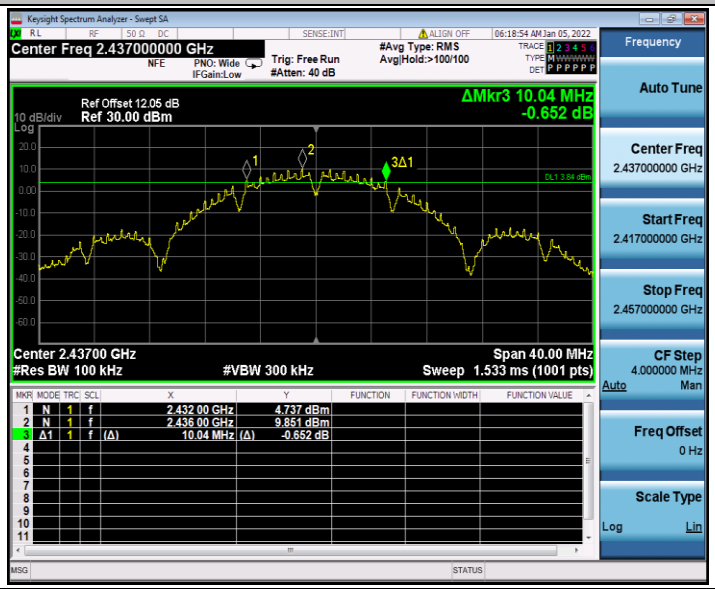
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.960	2416.040	0.5	PASS
		2437	10.040	2432.000	2442.040	0.5	PASS
		2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant1	2412	15.480	2404.440	2419.920	0.5	PASS
		2437	15.320	2429.240	2444.560	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.920	2404.440	2420.360	0.5	PASS
		2437	15.960	2428.600	2444.560	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.680	2434.240	2469.920	0.5	PASS
11AC20SISO	Ant1	2412	15.960	2404.440	2420.400	0.5	PASS
		2437	15.680	2428.880	2444.560	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11AC40SISO	Ant1	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.680	2434.240	2469.920	0.5	PASS

Test Graphs

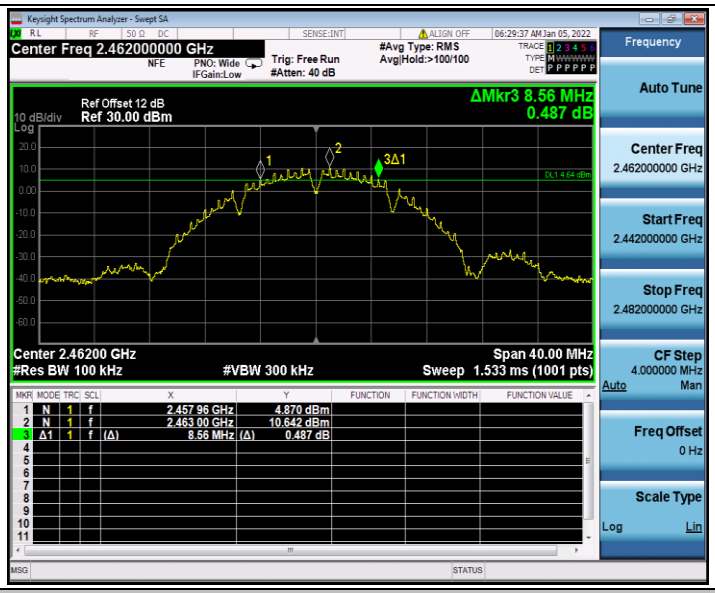
11B_Ant1_2412



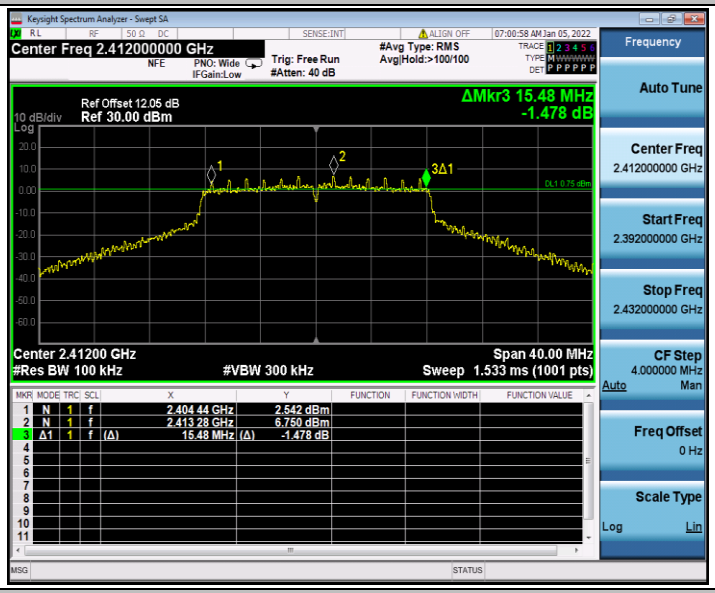
11B_Ant1_2437



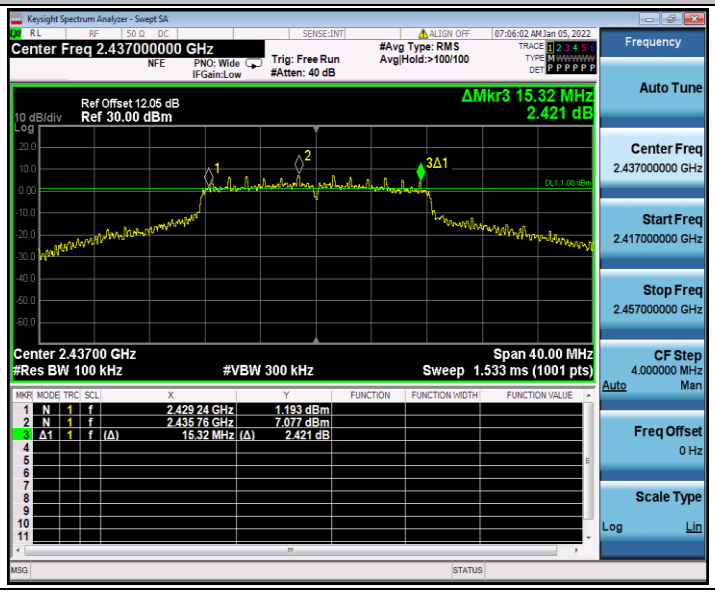
11B_Ant1_2462



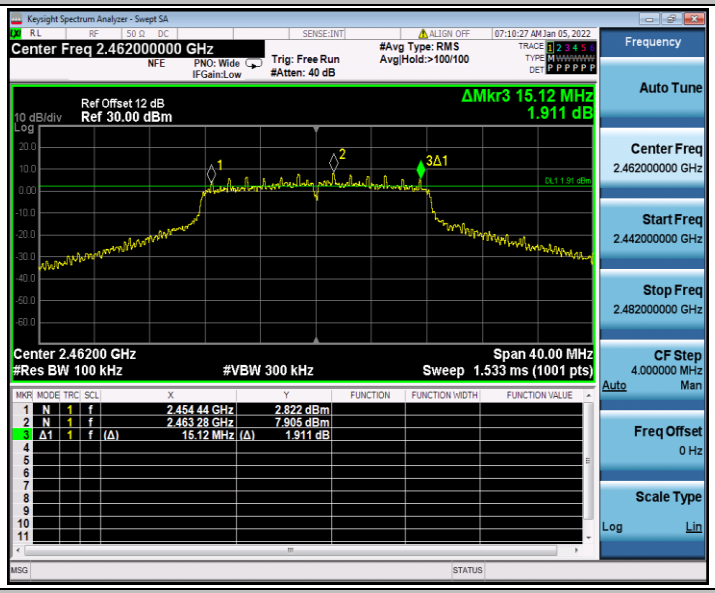
11G_Ant1_2412



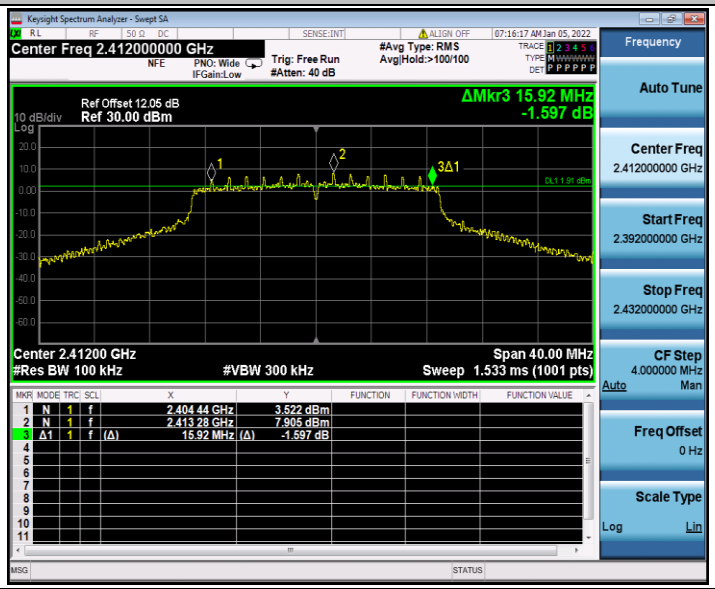
11G_Ant1_2437



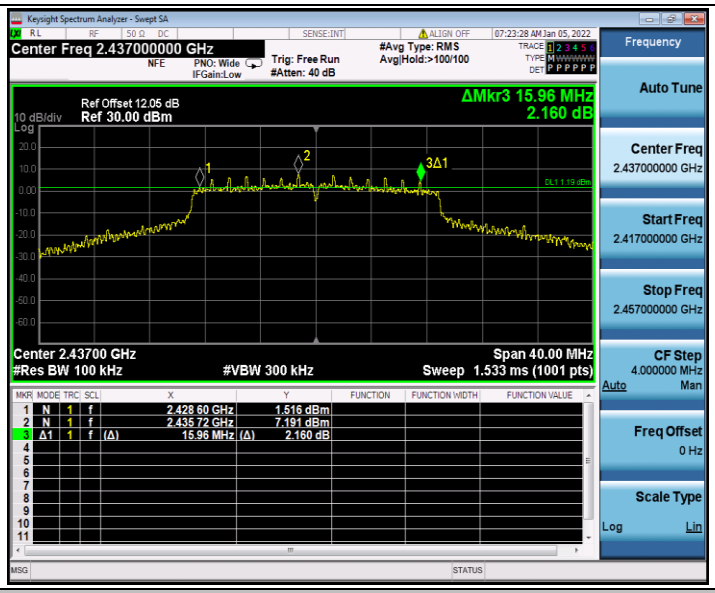
11G_Ant1_2462



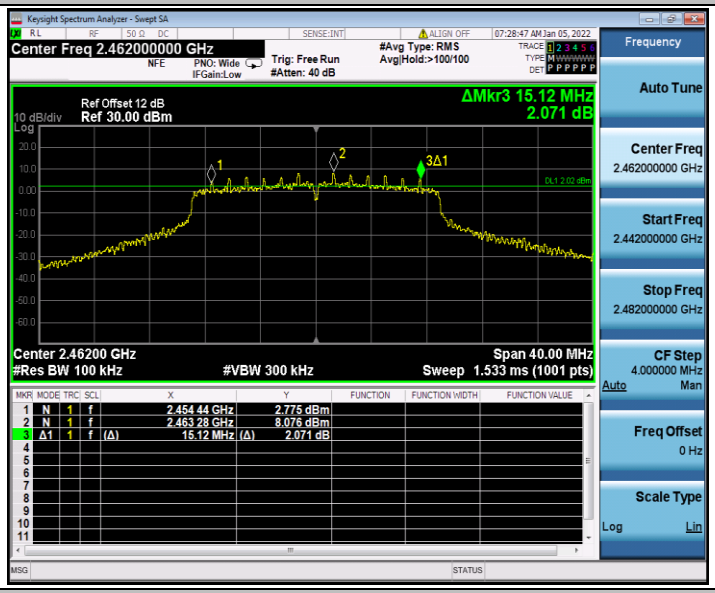
11N20SISO_Ant1_2412



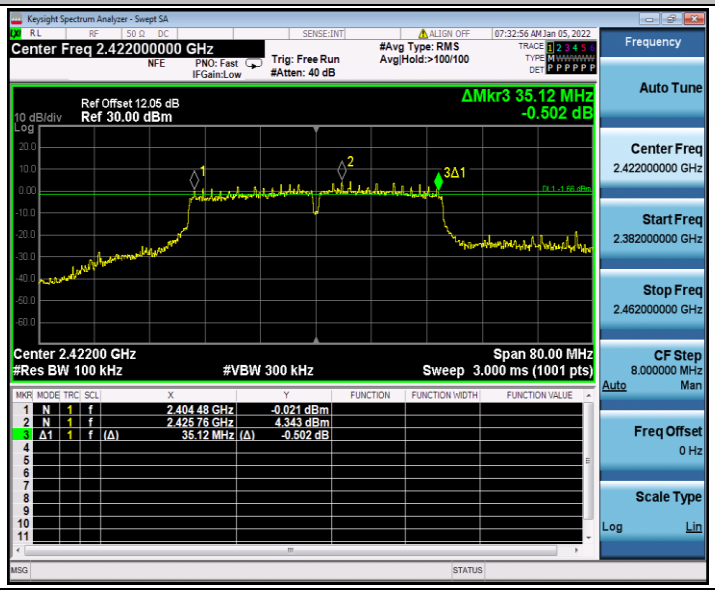
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



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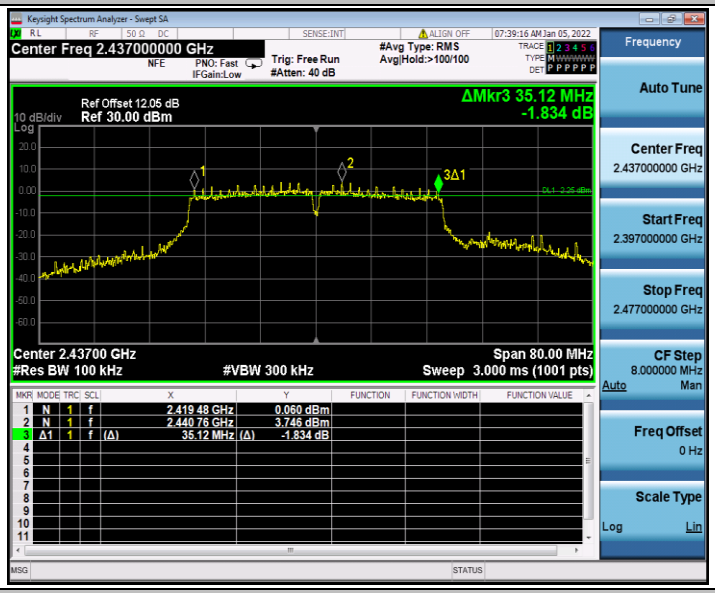
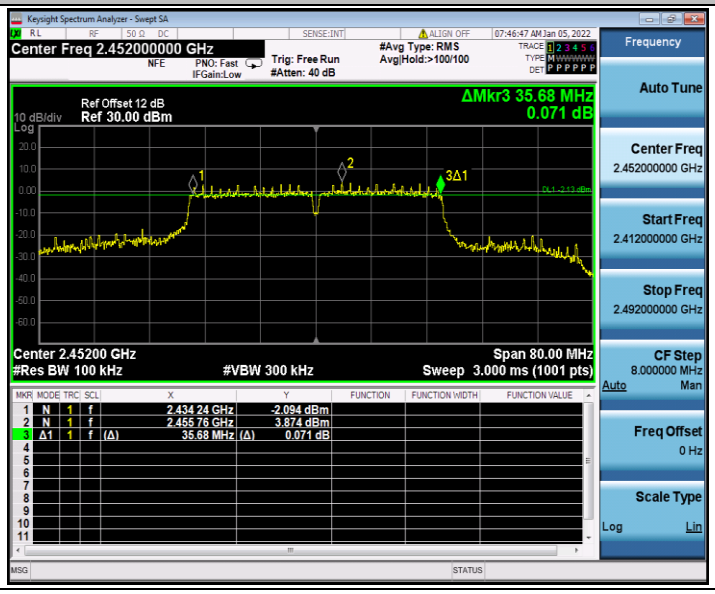
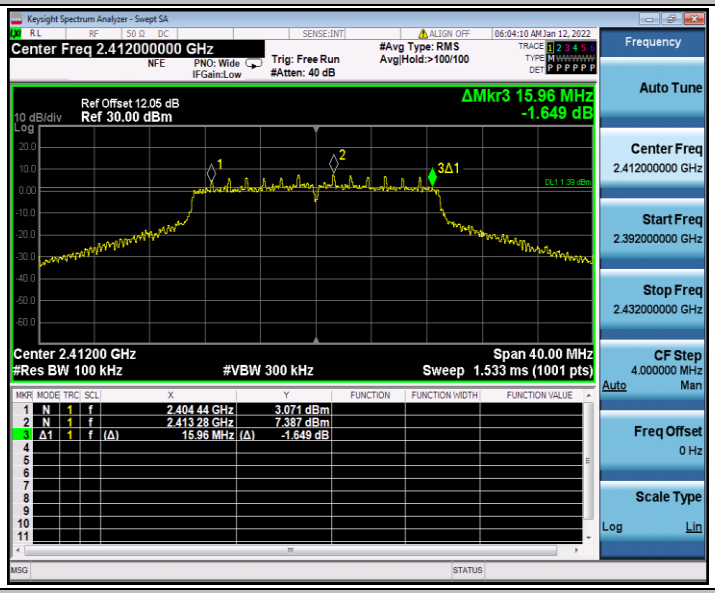
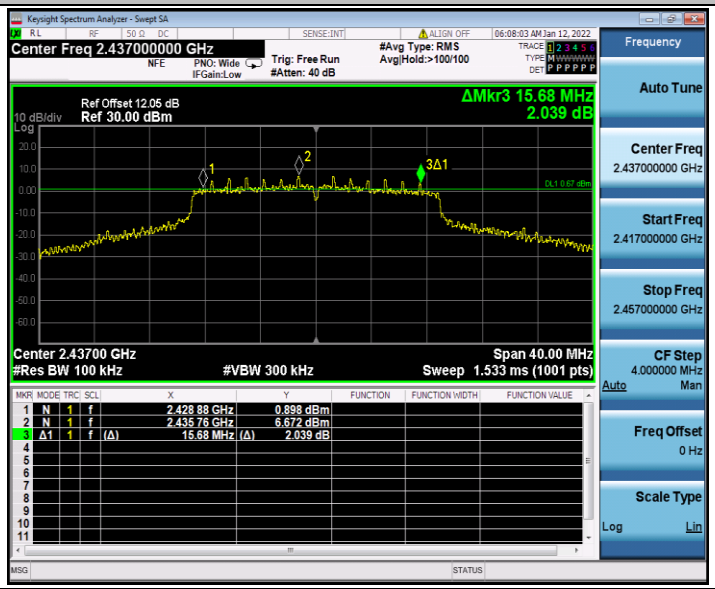


11N40SISO_Ant1_2452


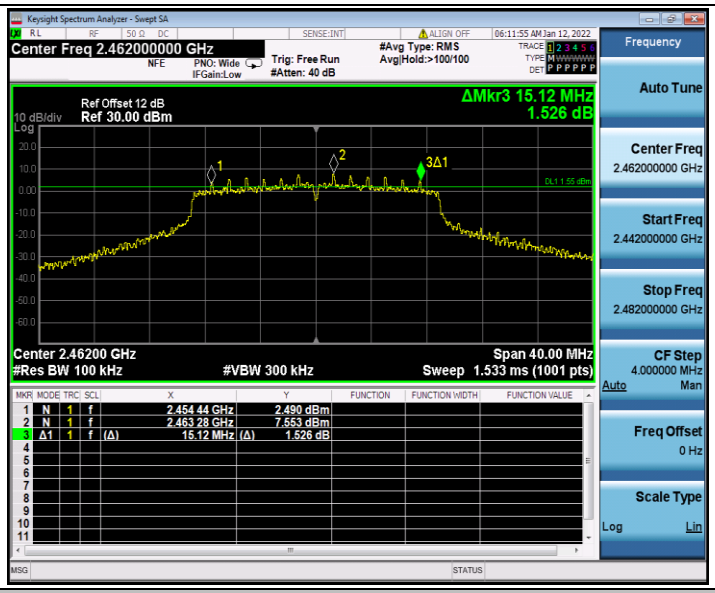
11AC20SISO_Ant1_2412



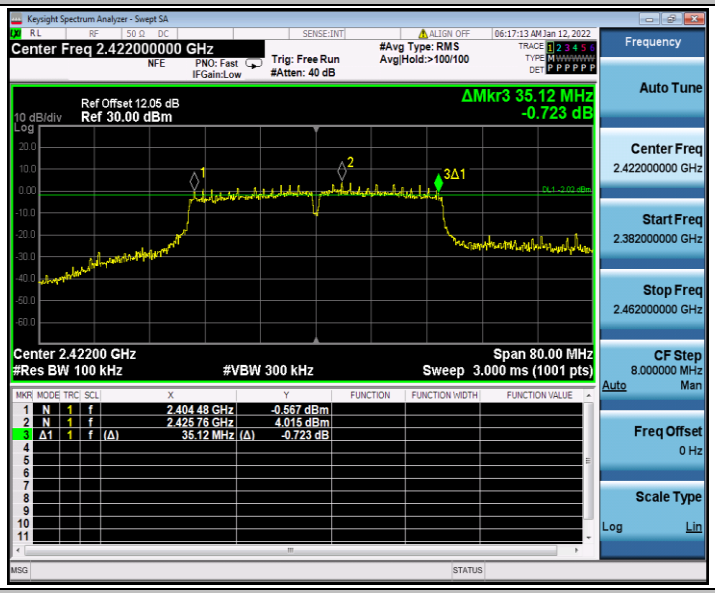
11AC20SISO_Ant1_2437



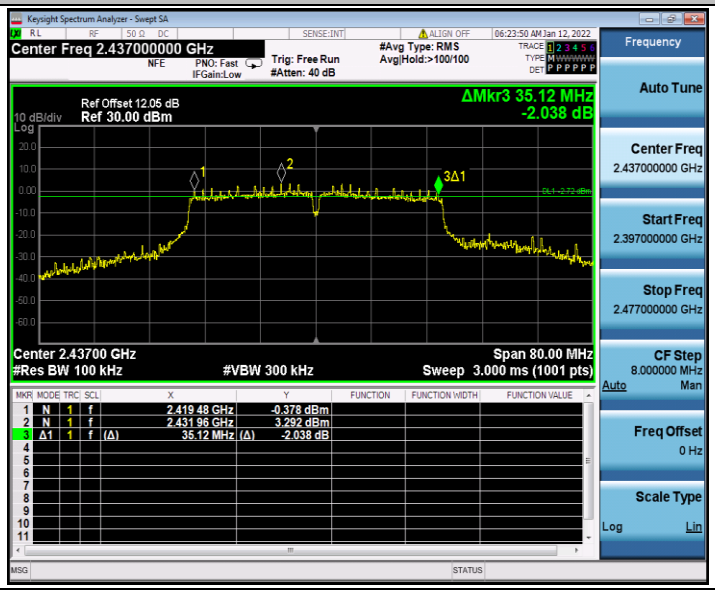
11AC20SISO_Ant1_2462

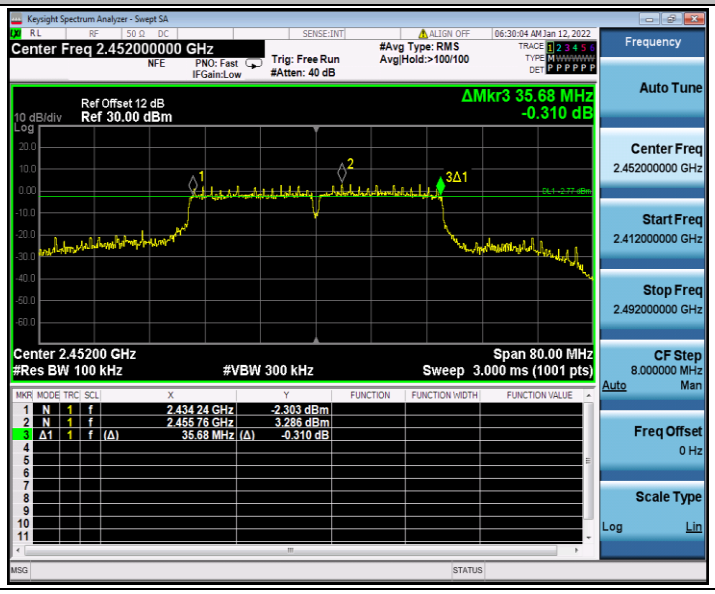


11AC40SISO_Ant1_2422



11AC40SISO_Ant1_2437



11AC40SISO_Ant1_2452


Appendix B: Occupied Channel Bandwidth

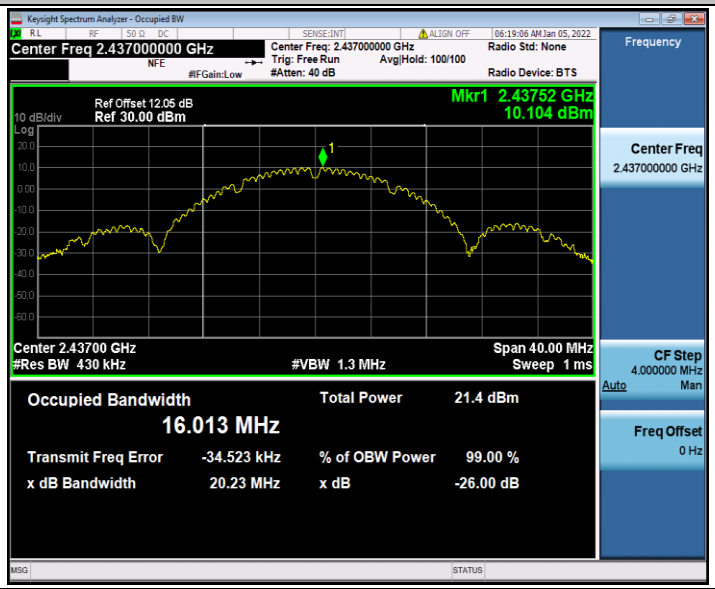
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.108	2404.968	2419.076	---	---
		2437	15.975	2428.991	2444.966	---	---
		2462	13.957	2455.104	2469.061	---	---
11G	Ant1	2412	17.047	2403.594	2420.641	---	---
		2437	18.993	2427.857	2446.850	---	---
		2462	16.916	2453.613	2470.529	---	---
11N20SISO	Ant1	2412	18.248	2402.965	2421.213	---	---
		2437	19.411	2427.568	2446.979	---	---
		2462	17.980	2453.073	2471.053	---	---
11N40SISO	Ant1	2422	36.498	2403.878	2440.376	---	---
		2437	36.544	2418.823	2455.367	---	---
		2452	36.799	2433.485	2470.284	---	---
11AC20SISO	Ant1	2412	18.176	2402.981	2421.157	---	---
		2437	19.123	2427.603	2446.726	---	---
		2462	17.981	2453.061	2471.042	---	---
11AC40SISO	Ant1	2422	36.429	2403.891	2440.320	---	---
		2437	36.602	2418.788	2455.390	---	---
		2452	36.827	2433.447	2470.274	---	---

Test Graphs

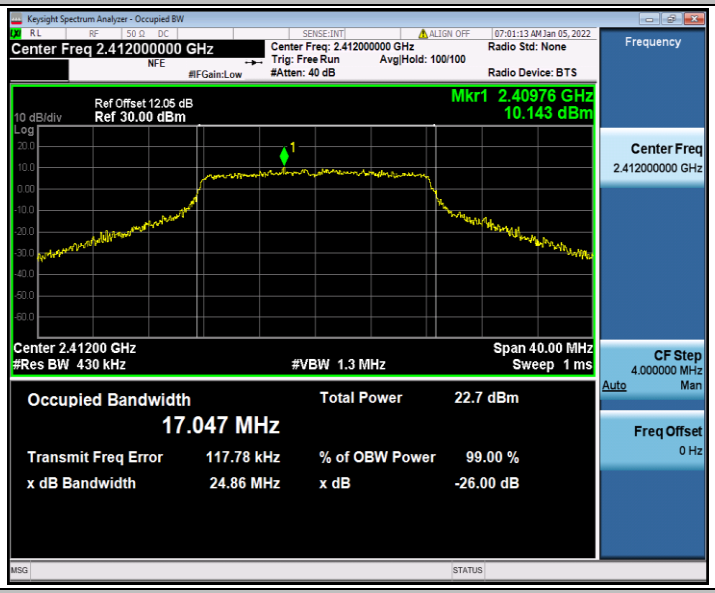
11B_Ant1_2412

11B_Ant1_2437



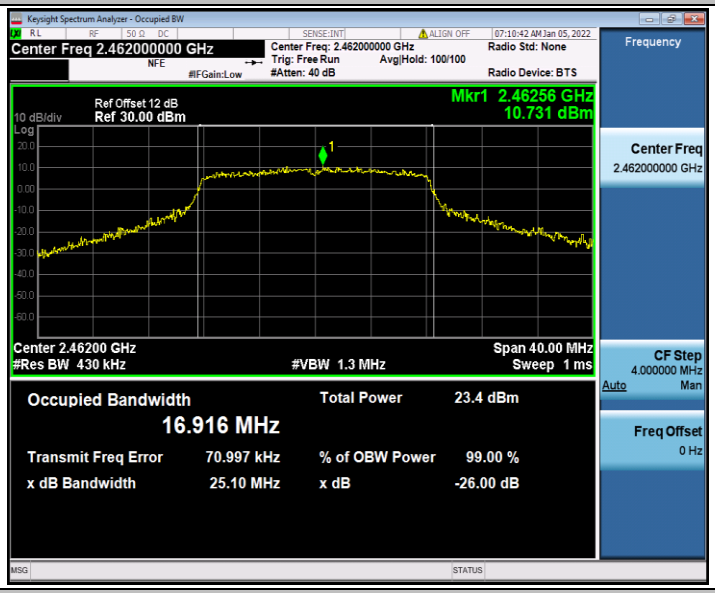
11B_Ant1_2462

11G_Ant1_2412



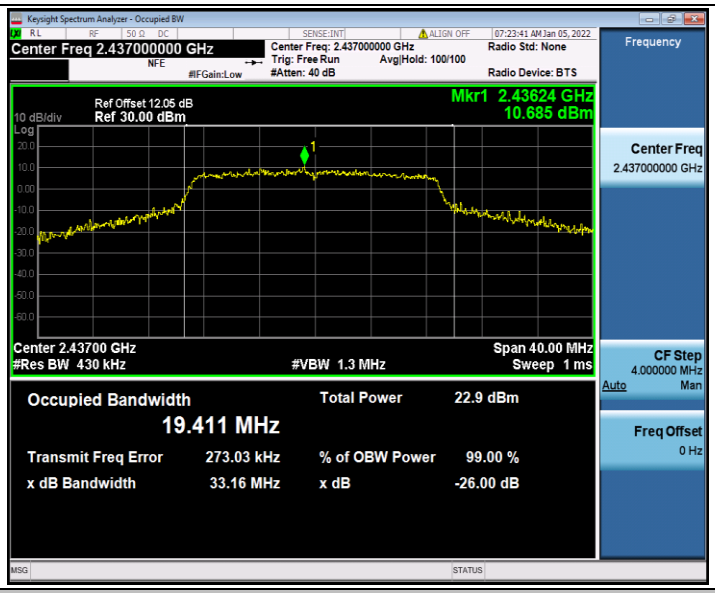
11G_Ant1_2437

11G_Ant1_2462

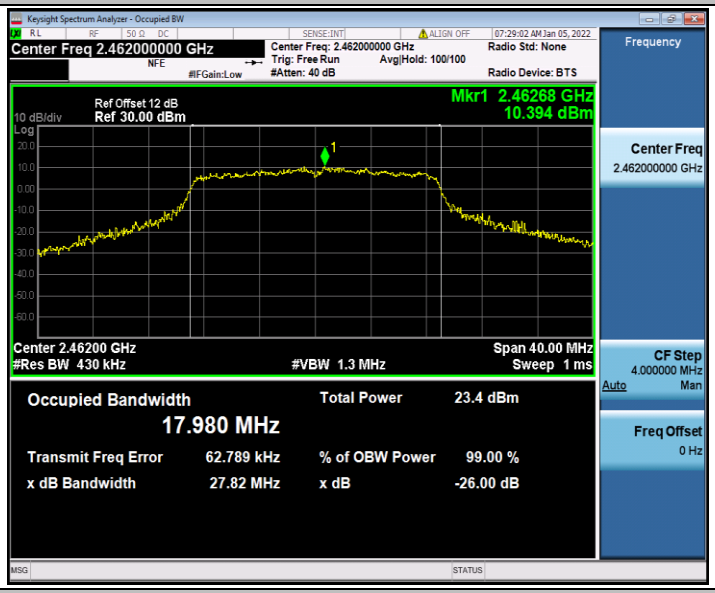


11N20SISO_Ant1_2412

11N20SISO_Ant1_2437

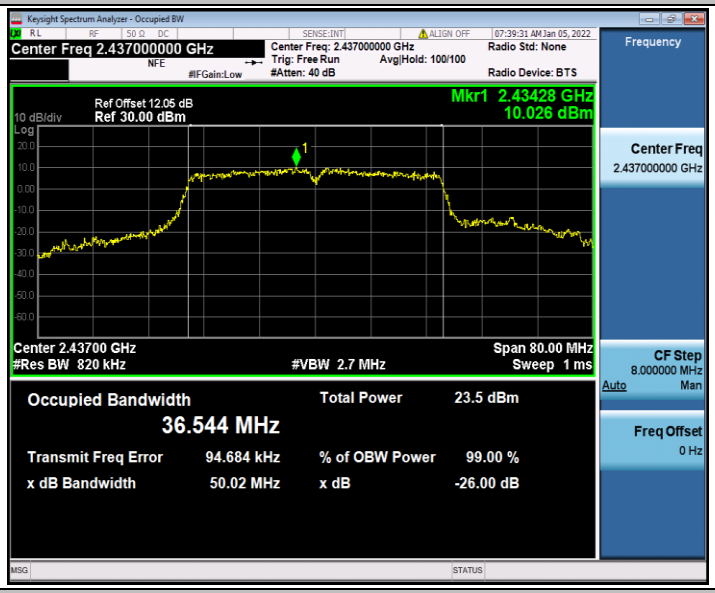


11N20SISO_Ant1_2462



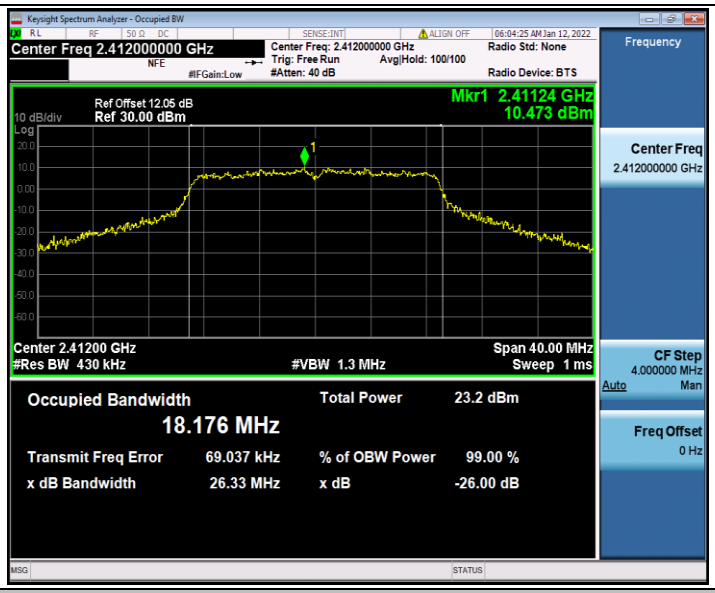
11N40SISO_Ant1_2422

11N40SISO_Ant1_2437

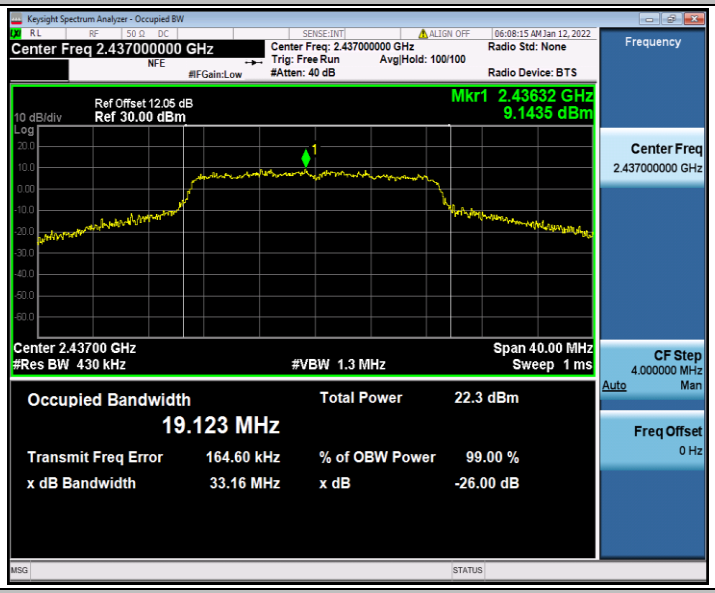


11N40SISO_Ant1_2452

11AC20SISO_Ant1_2412

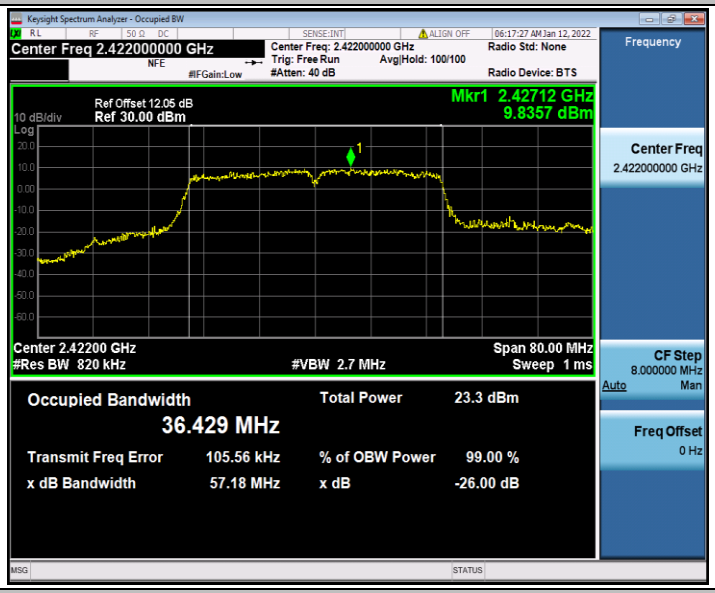


11AC20SISO_Ant1_2437



11AC20SISO_Ant1_2462

11AC40SISO_Ant1_2422



11AC40SISO_Ant1_2437

11AC40SISO_Ant1_2452

Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω DC
SENSE:INT
ALIGN OFF
06:30:19 AM Jan 12, 2022
Center Freq 2.452000000 GHz
NFE
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 12 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.46096 GHz
9.4613 dBm
Center Freq
2.452000000 GHz
Center 2.45200 GHz
#Res BW 820 kHz
#VBW 2.7 MHz
Span 80.00 MHz
Sweep 1 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.827 MHz
Total Power
23.3 dBm
Transmit Freq Error
-139.63 kHz
% of OBW Power
99.00 %
x dB Bandwidth
65.65 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

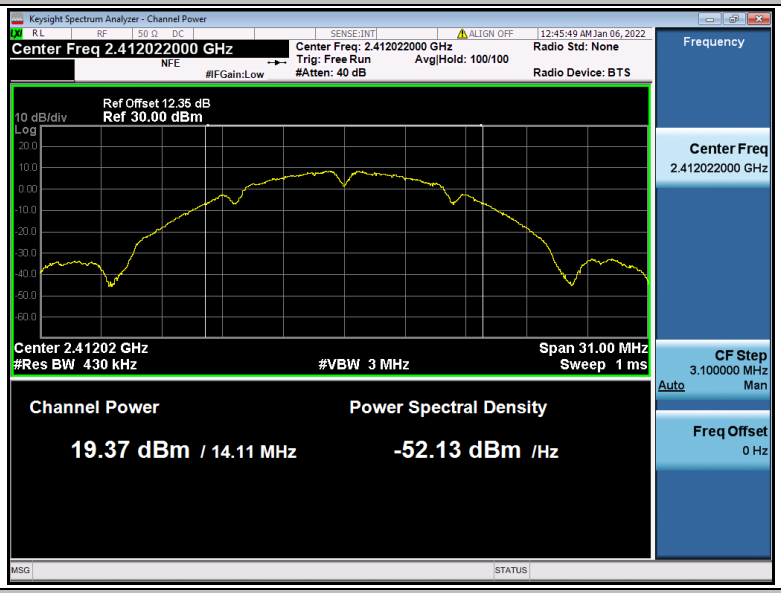
Appendix C: Maximum conducted output power

Test Result Peak

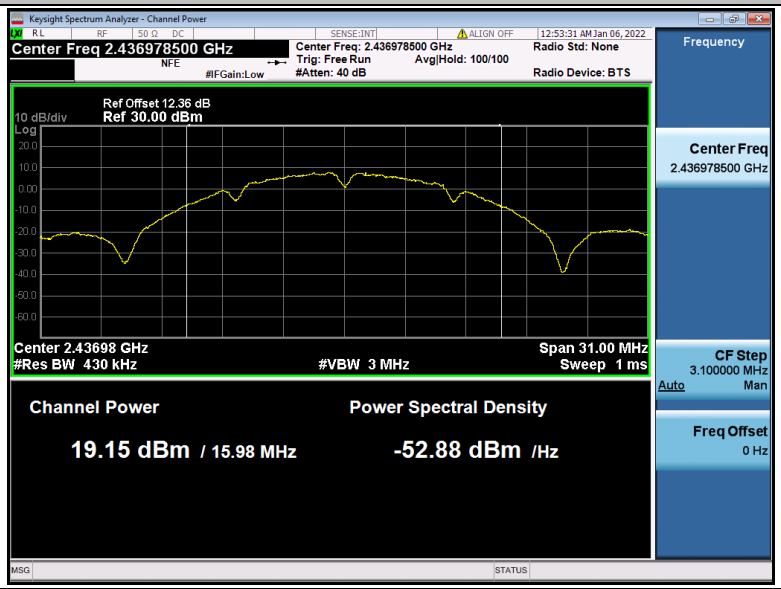
TestMode	Antenna	Frequency[MHz]	Set Power	Peak Powert[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	---	19.37	≤30.00	22.83	≤36.00	PASS
		2437	---	19.15	≤30.00	22.61	≤36.00	PASS
		2462	---	19.48	≤30.00	22.94	≤36.00	PASS
11G	Ant1	2412	---	16.61	≤30.00	20.07	≤36.00	PASS
		2437	---	16.86	≤30.00	20.32	≤36.00	PASS
		2462	---	17.25	≤30.00	20.71	≤36.00	PASS
11N20SISO	Ant1	2412	---	17.45	≤30.00	20.91	≤36.00	PASS
		2437	---	16.86	≤30.00	20.32	≤36.00	PASS
		2462	---	17.28	≤30.00	20.74	≤36.00	PASS
11N40SISO	Ant1	2422	---	16.79	≤30.00	20.25	≤36.00	PASS
		2437	---	16.58	≤30.00	20.04	≤36.00	PASS
		2452	---	16.96	≤30.00	20.42	≤36.00	PASS
11AC20SISO	Ant1	2412	---	17.04	≤30.00	20.50	≤36.00	PASS
		2437	---	16.30	≤30.00	19.76	≤36.00	PASS
		2462	---	16.83	≤30.00	20.29	≤36.00	PASS
11AC40SISO	Ant1	2422	---	16.55	≤30.00	20.01	≤36.00	PASS
		2437	---	15.99	≤30.00	19.45	≤36.00	PASS
		2452	---	16.56	≤30.00	20.02	≤36.00	PASS

Test Graphs Peak

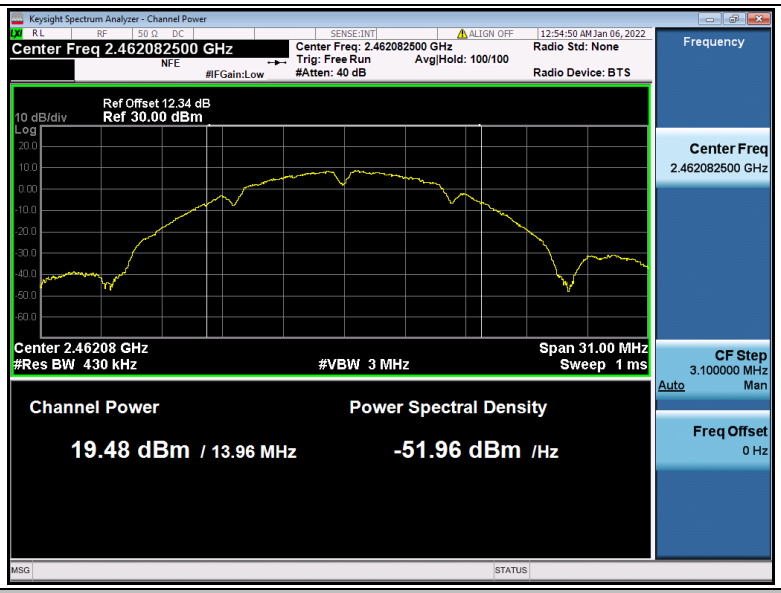
11B_Ant1_2412



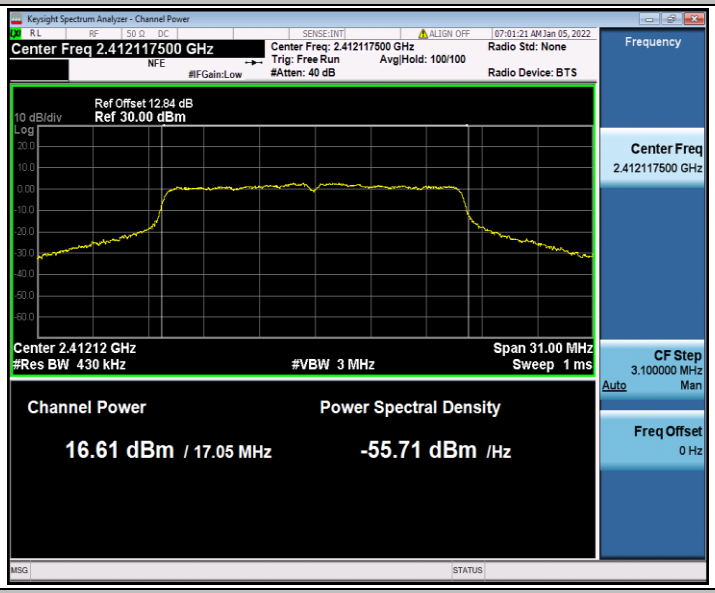
11B_Ant1_2437



11B_Ant1_2462

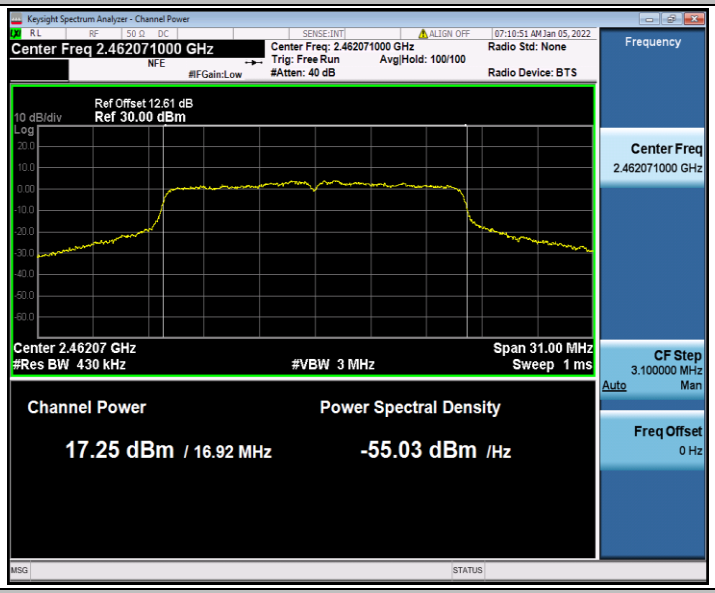


11G_Ant1_2412



11G_Ant1_2437

11G_Ant1_2462



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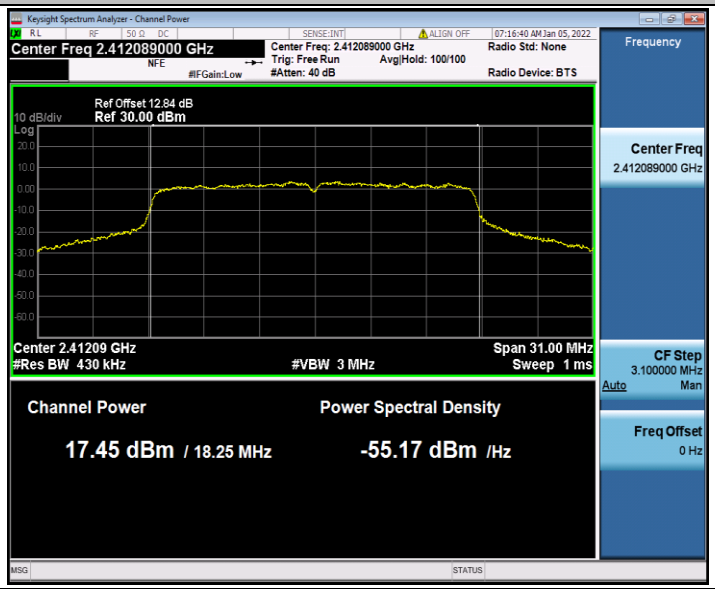

11N20SISO_Ant1_2437