Case No. : GTS20250311006-1-03	
Ambient Condition: 22 ℃, 48 %RH,	
Test Date: 2025.3.29	**Test Engineer:** Evan ouyang

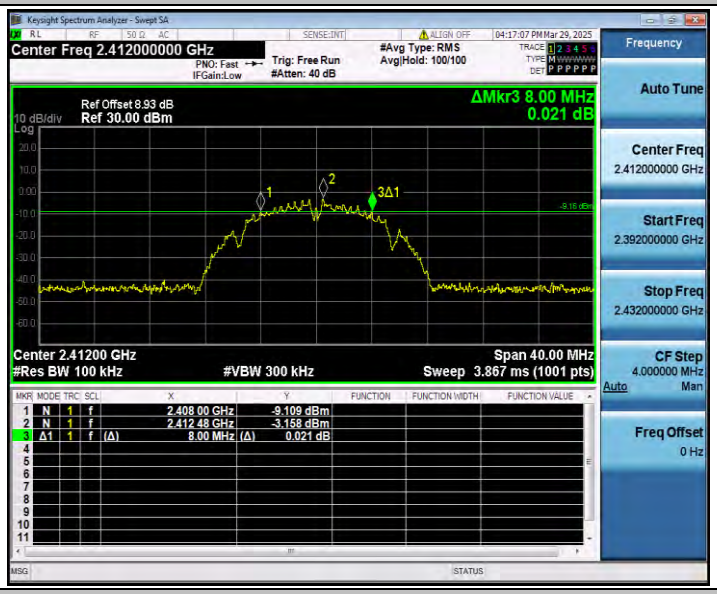
Appendix C.1: DTS Bandwidth

Test Result

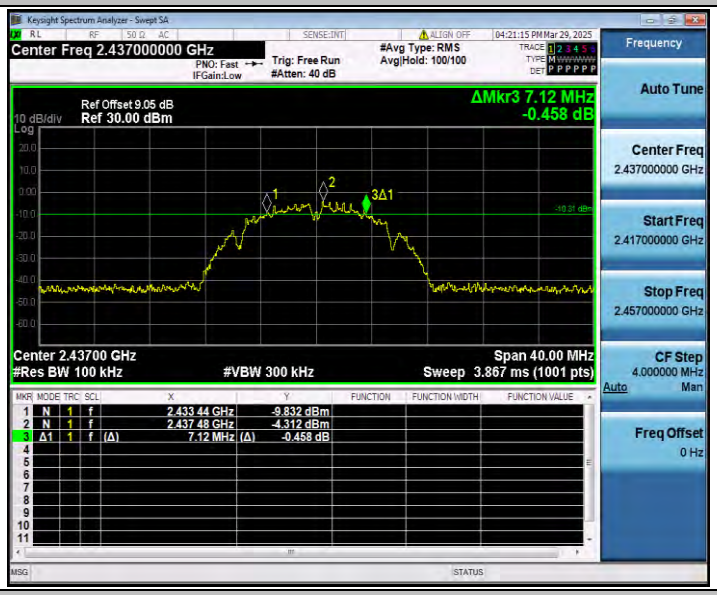
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.000	2408.000	2416.000	0.5	PASS
		2437	7.120	2433.440	2440.560	0.5	PASS
		2462	7.040	2458.920	2465.960	0.5	PASS
11G	Ant1	2412	15.400	2403.840	2419.240	0.5	PASS
		2437	16.280	2428.840	2445.120	0.5	PASS
		2462	16.000	2453.840	2469.840	0.5	PASS
11N20SISO	Ant1	2412	17.160	2403.200	2420.360	0.5	PASS
		2437	16.640	2428.480	2445.120	0.5	PASS
		2462	13.880	2455.640	2469.520	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	31.200	2419.480	2450.680	0.5	PASS
		2452	31.280	2435.680	2466.960	0.5	PASS
11AX20SISO	Ant1	2412	14.240	2404.160	2418.400	0.5	PASS
		2437	16.760	2427.800	2444.560	0.5	PASS
		2462	15.160	2453.520	2468.680	0.5	PASS
11AX40SISO	Ant1	2422	34.800	2403.440	2438.240	0.5	PASS
		2437	32.480	2419.160	2451.640	0.5	PASS
		2452	30.560	2435.680	2466.240	0.5	PASS

Test Graphs

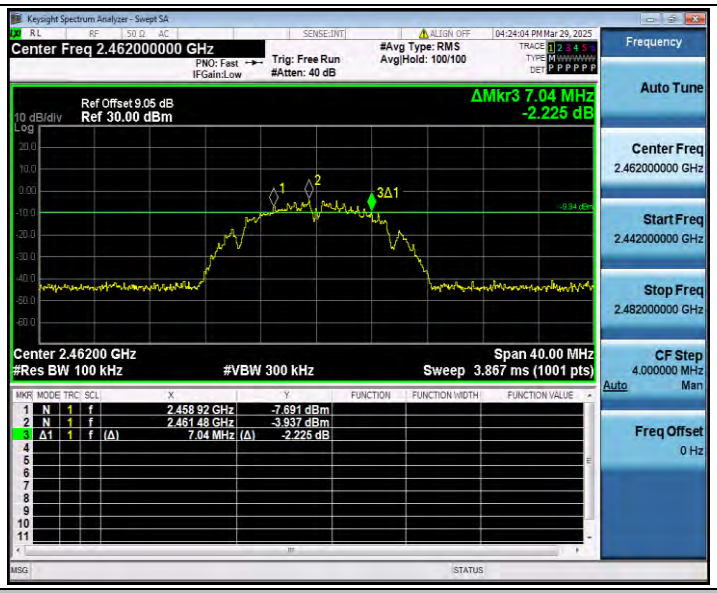
11B_Ant1_2412



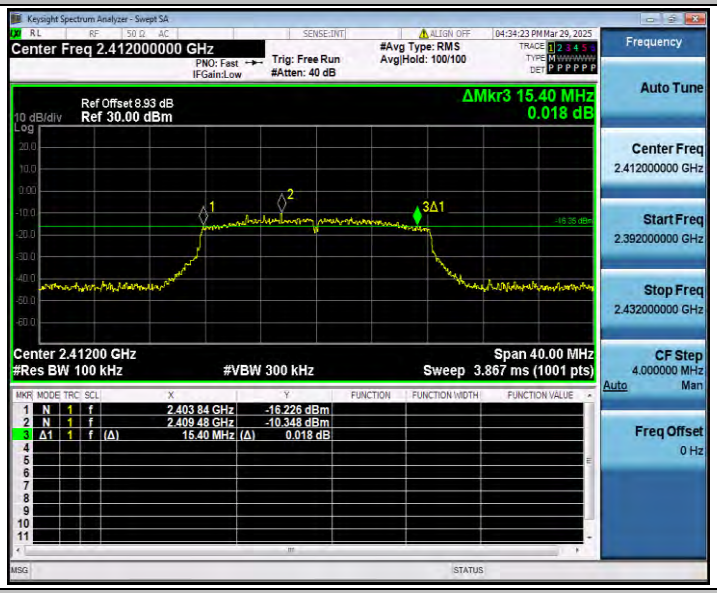
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



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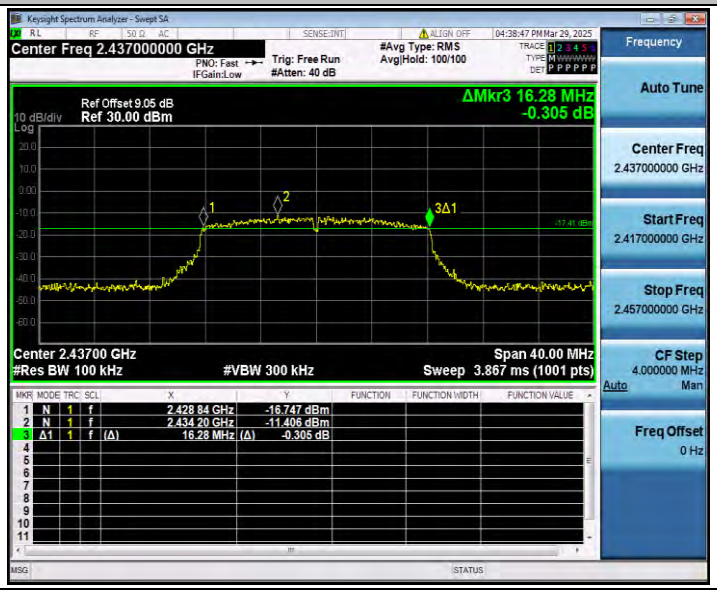

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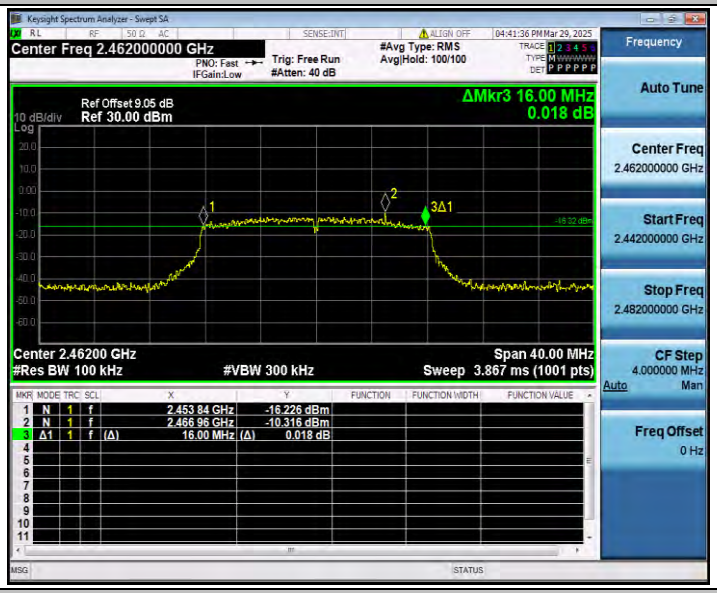
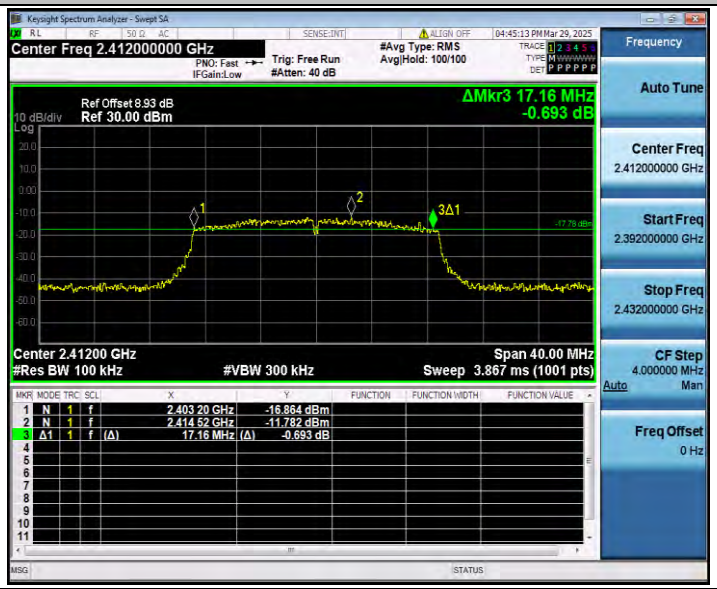
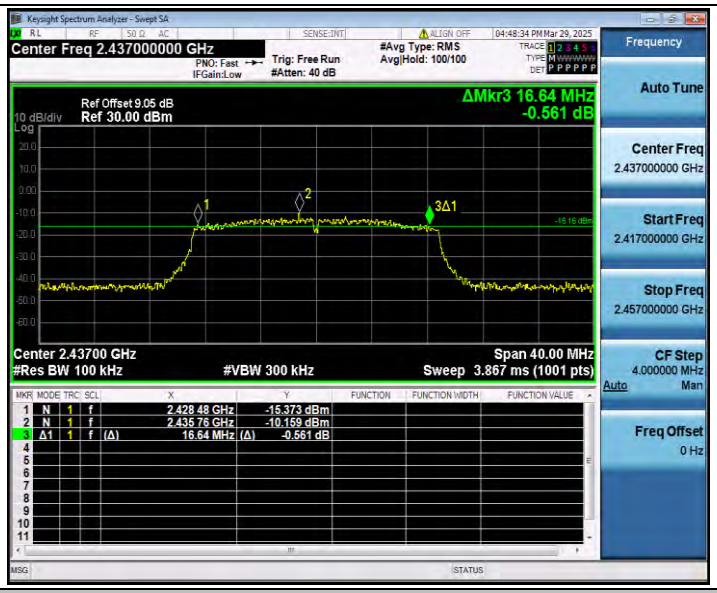


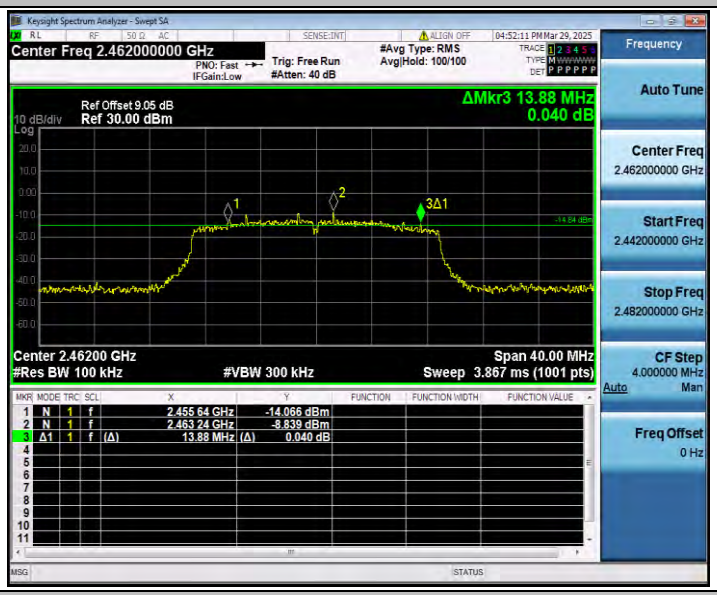
11N20SISO_Ant1_2412



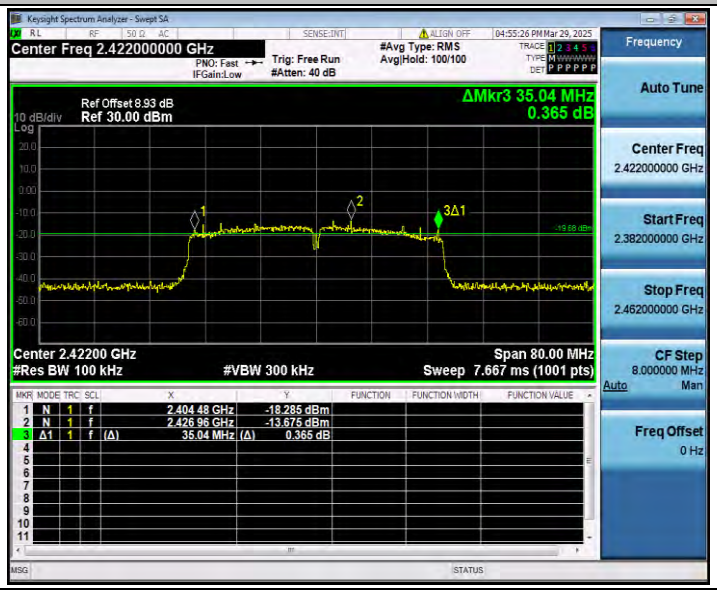
11N20SISO_Ant1_2437



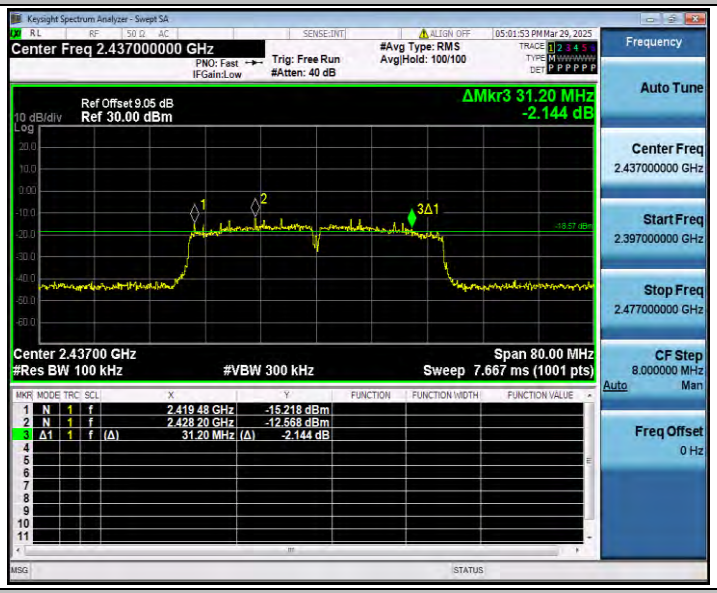
11N20SISO_Ant1_2462



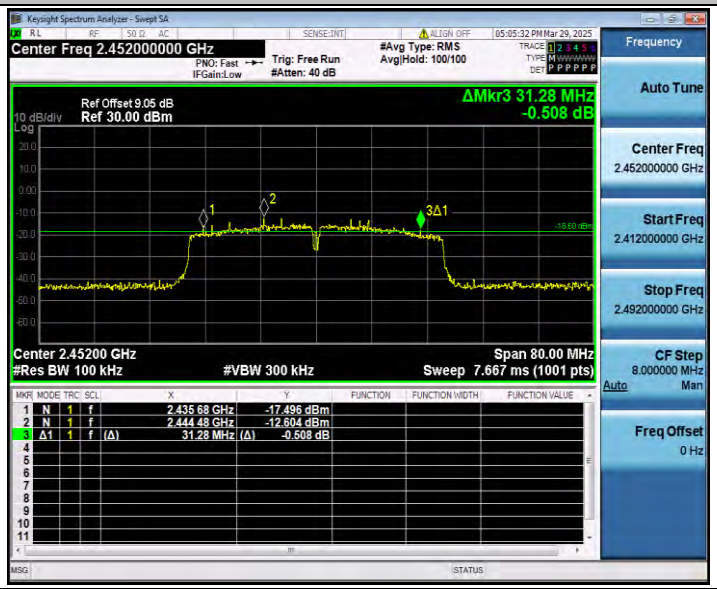
11N40SISO_Ant1_2422



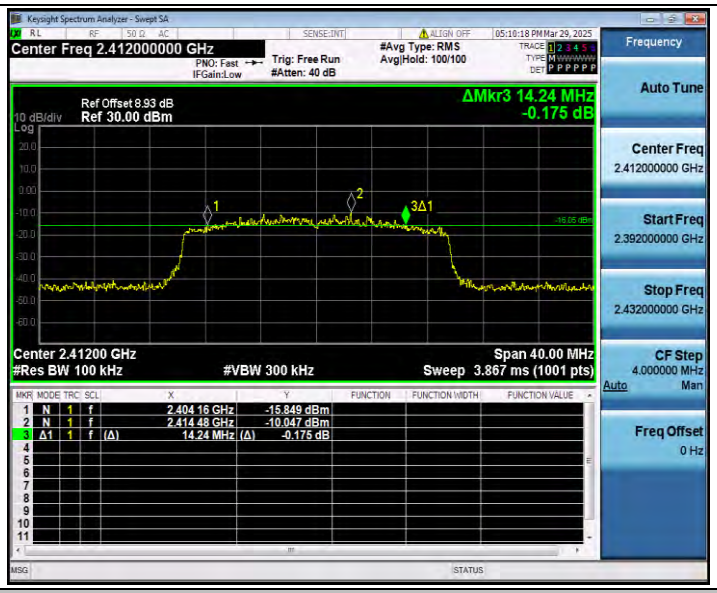
11N40SISO_Ant1_2437



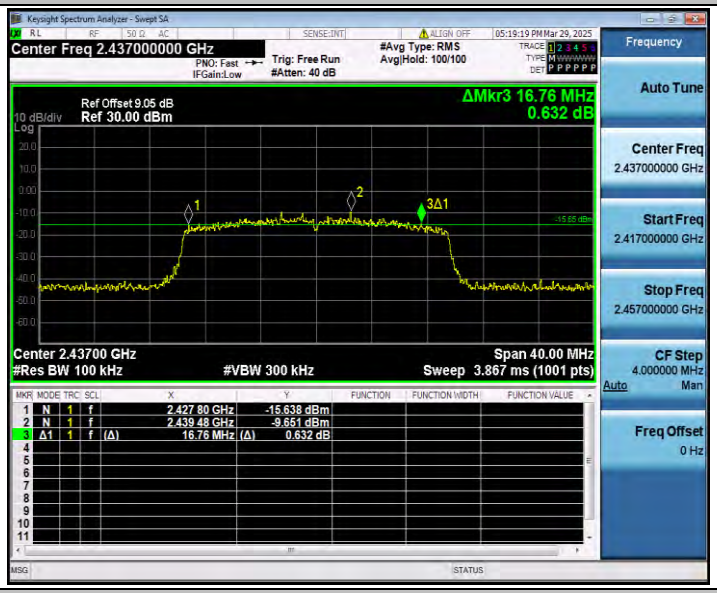
11N40SISO_Ant1_2452



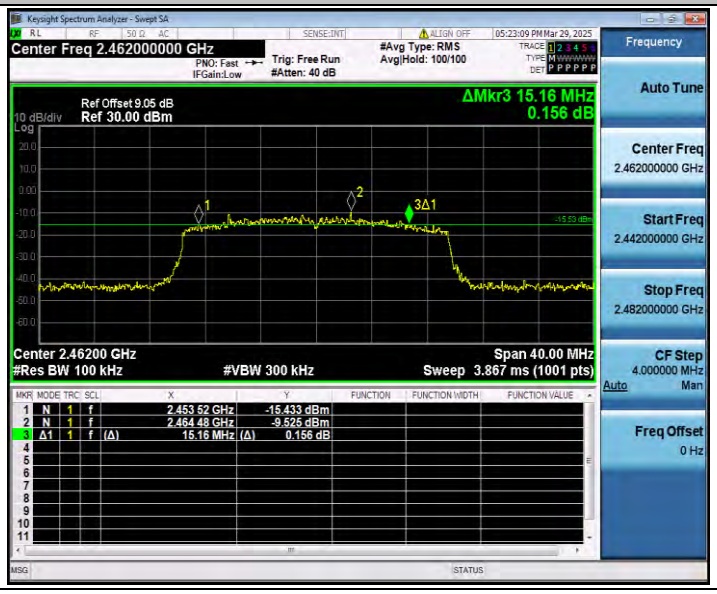
11AX20SISO_Ant1_2412



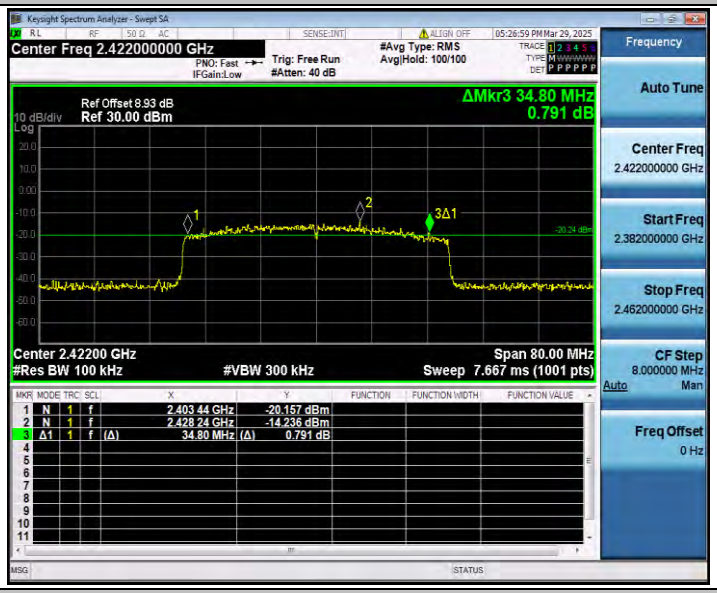
11AX20SISO_Ant1_2437



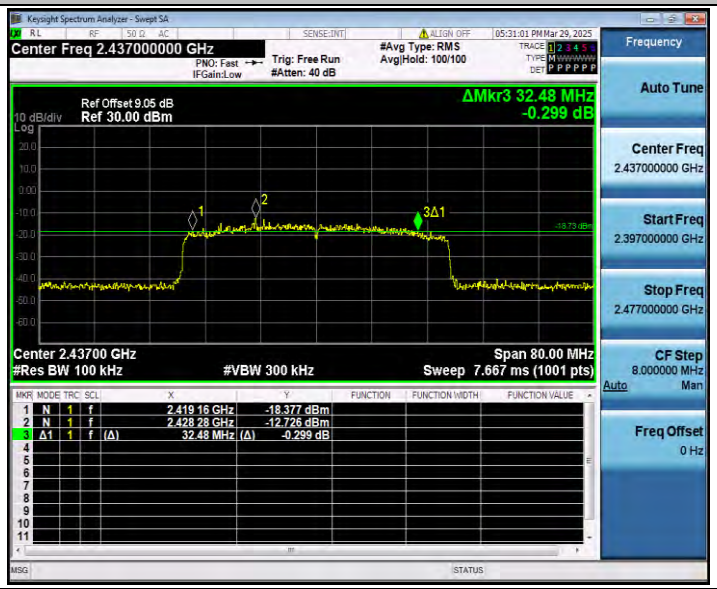
11AX20SISO_Ant1_2462



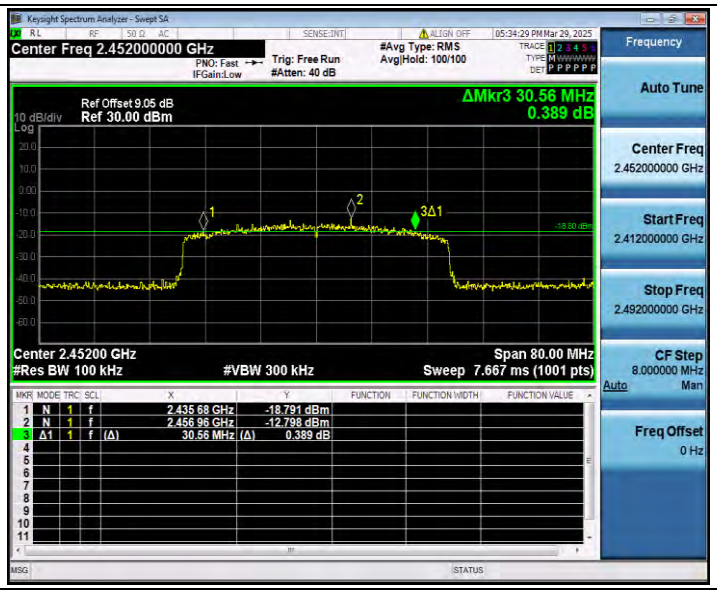
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452


Keysight Spectrum Analyzer - Swept SA
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 100/100
05:34:29 PM Mar 29, 2025
Ref Offset 9.05 dB
10 dB/div
Ref 30.00 dBm
Log
ΔMkr3 30.56 MHz
0.389 dB
Center 2.45200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80.00 MHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 2.435 68 GHz -18.791 dBm
2 N 1 f 2.456 96 GHz -12.798 dBm
3 Δ1 1 f (Δ) 30.56 MHz (Δ) 0.389 dB
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.412000000 GHz
Stop Freq
2.492000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

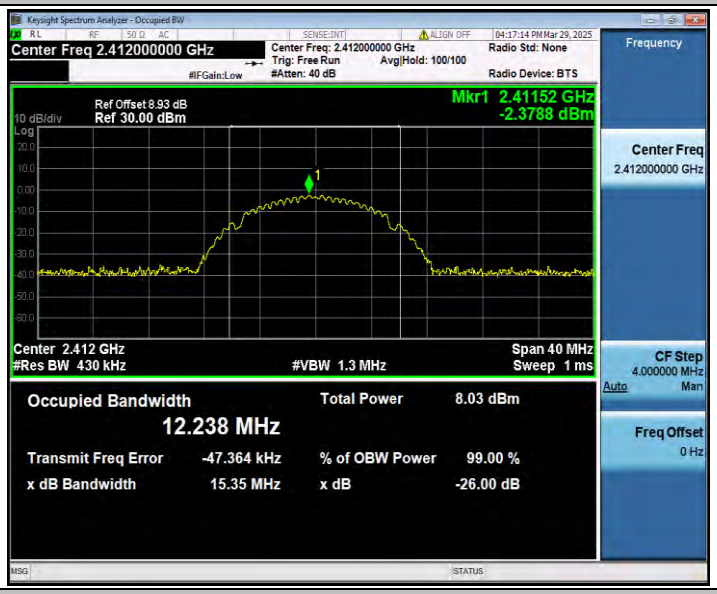
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.238	2405.8336	2418.0716	---	---
		2437	12.280	2430.8346	2443.1146	---	---
		2462	12.278	2455.8182	2468.0962	---	---
11G	Ant1	2412	16.752	2403.5527	2420.3047	---	---
		2437	16.774	2428.5944	2445.3684	---	---
		2462	16.795	2453.5533	2470.3483	---	---
11N20SISO	Ant1	2412	17.806	2403.0261	2420.8321	---	---
		2437	17.764	2428.1010	2445.8650	---	---
		2462	17.776	2453.0826	2470.8586	---	---
11N40SISO	Ant1	2422	36.148	2403.8113	2439.9593	---	---
		2437	36.179	2418.8364	2455.0154	---	---
		2452	36.156	2433.8355	2469.9915	---	---
11AX20SISO	Ant1	2412	18.840	2402.5427	2421.3827	---	---
		2437	18.812	2427.5848	2446.3968	---	---
		2462	18.758	2452.5507	2471.3087	---	---
11AX40SISO	Ant1	2422	37.424	2403.1646	2440.5886	---	---
		2437	37.493	2418.1999	2455.6929	---	---
		2452	37.450	2433.2059	2470.6559	---	---

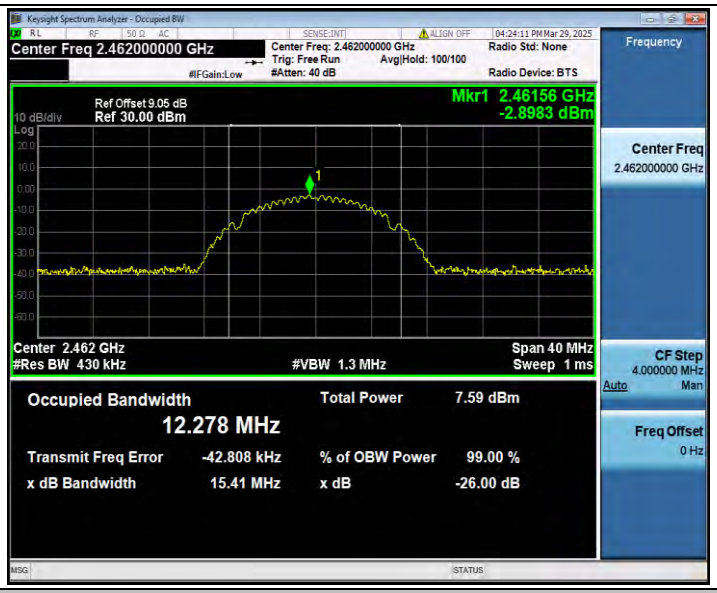
Test Graphs

11B_Ant1_2412



11B_Ant1_2437

11B_Ant1_2462



11G_Ant1_2412

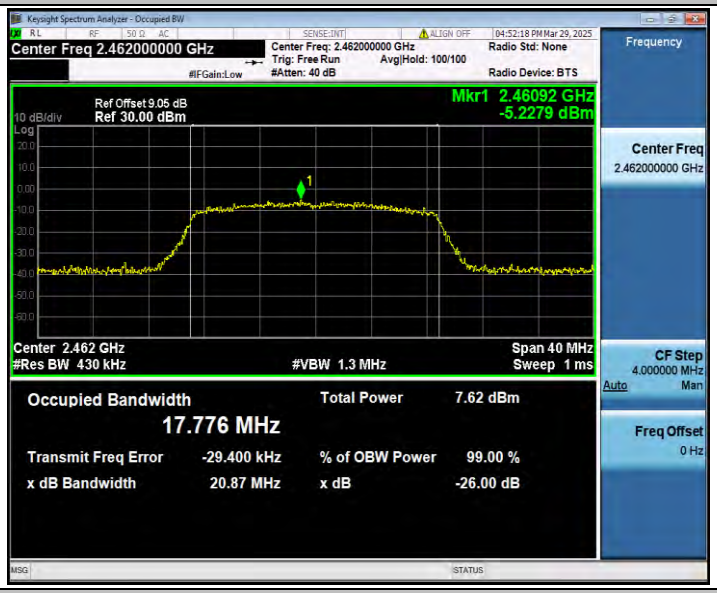
11G_Ant1_2437

11G_Ant1_2462

11N20SISO_Ant1_2412

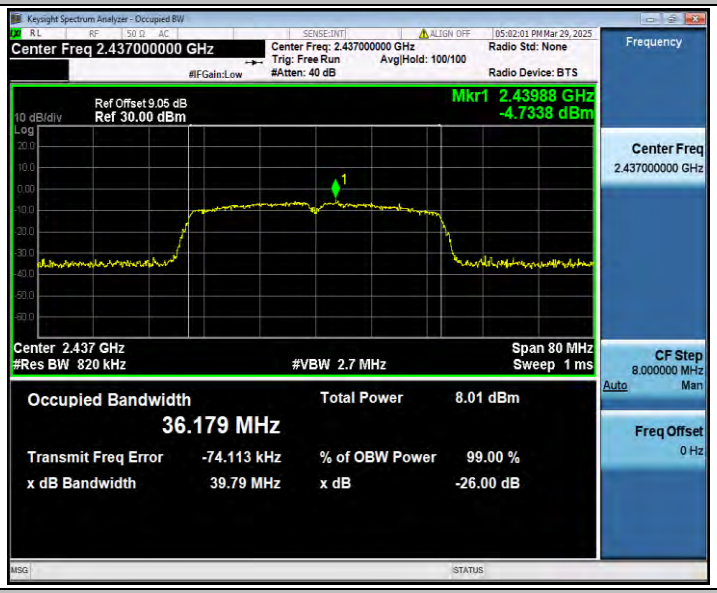
11N20SISO_Ant1_2437

11N20SISO_Ant1_2462



11N40SISO_Ant1_2422

11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

11AX20SISO_Ant1_2412

11AX20SISO_Ant1_2437

11AX20SISO_Ant1_2462

11AX40SISO_Ant1_2422

11AX40SISO_Ant1_2437

11AX40SISO_Ant1_2452

Keysight Spectrum Analyzer - Occupied BW
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 9.05 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr1 2.44904 GHz
-3.3868 dBm
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 820 kHz
#VBW 2.7 MHz
Span 80 MHz
Sweep 1 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
37.450 MHz
Total Power 8.62 dBm
Transmit Freq Error -69.080 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.42 MHz
x dB -26.00 dB
Freq Offset
0 Hz
MSG
STATUS

Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	8.29	≤30.00	PASS
		2437	7.92	≤30.00	PASS
		2462	7.83	≤30.00	PASS
11G	Ant1	2412	8.34	≤30.00	PASS
		2437	8.69	≤30.00	PASS
		2462	8.80	≤30.00	PASS
11N20SISO	Ant1	2412	8.29	≤30.00	PASS
		2437	8.63	≤30.00	PASS
		2462	8.74	≤30.00	PASS
11N40SISO	Ant1	2422	7.88	≤30.00	PASS
		2437	8.33	≤30.00	PASS
		2452	8.25	≤30.00	PASS
11AX20SISO	Ant1	2412	8.71	≤30.00	PASS
		2437	8.12	≤30.00	PASS
		2462	8.23	≤30.00	PASS
11AX40SISO	Ant1	2422	8.30	≤30.00	PASS
		2437	8.85	≤30.00	PASS
		2452	8.73	≤30.00	PASS

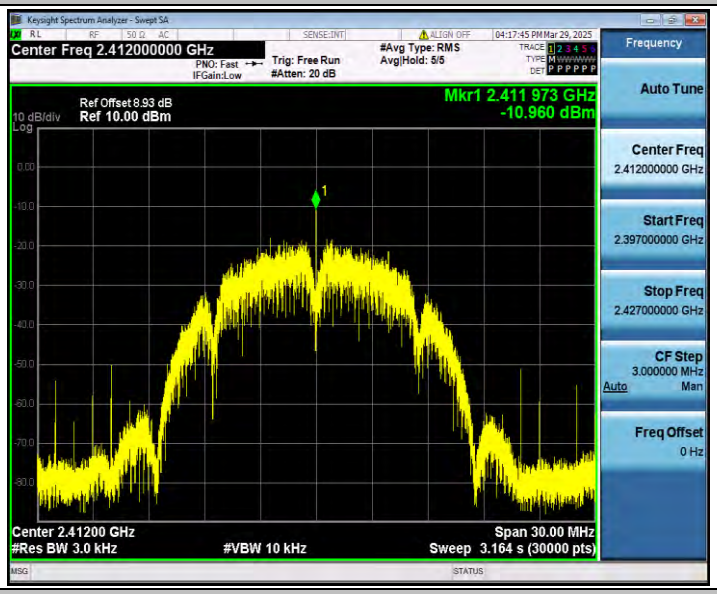
Appendix C.4: Maximum power spectral density

Test Result

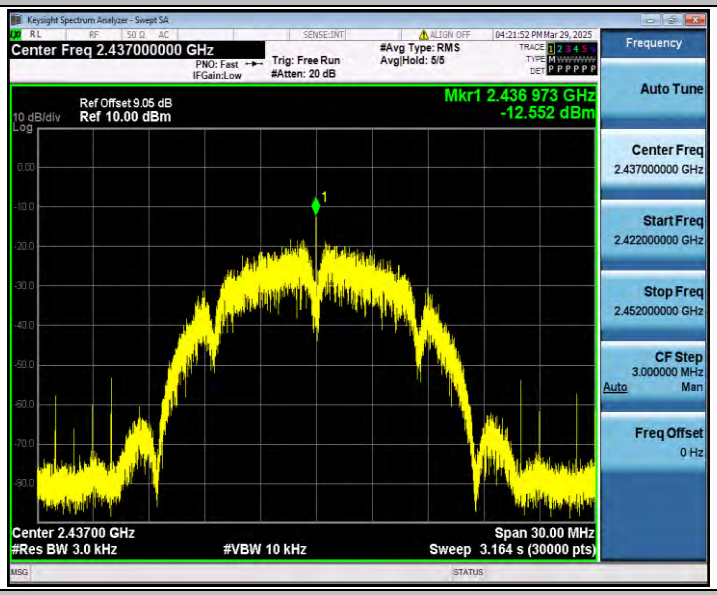
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.96	≤8.00	PASS
		2437	-12.55	≤8.00	PASS
		2462	-12.24	≤8.00	PASS
11G	Ant1	2412	-21.89	≤8.00	PASS
		2437	-22.59	≤8.00	PASS
		2462	-21.65	≤8.00	PASS
11N20SISO	Ant1	2412	-21.34	≤8.00	PASS
		2437	-23.19	≤8.00	PASS
		2462	-20.62	≤8.00	PASS
11N40SISO	Ant1	2422	-22.39	≤8.00	PASS
		2437	-23.23	≤8.00	PASS
		2452	-21.01	≤8.00	PASS
11AX20SISO	Ant1	2412	-22.03	≤8.00	PASS
		2437	-23.70	≤8.00	PASS
		2462	-22.04	≤8.00	PASS
11AX40SISO	Ant1	2422	-22.72	≤8.00	PASS
		2437	-23.44	≤8.00	PASS
		2452	-21.29	≤8.00	PASS

Test Graphs

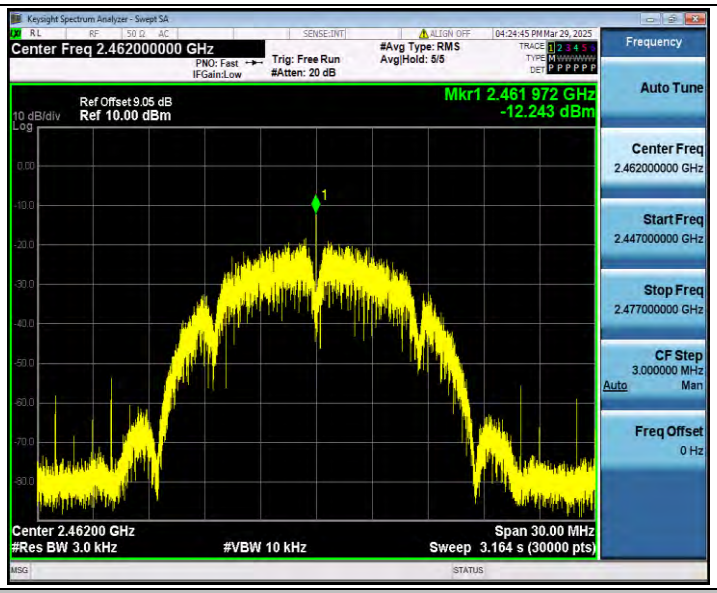
11B_Ant1_2412



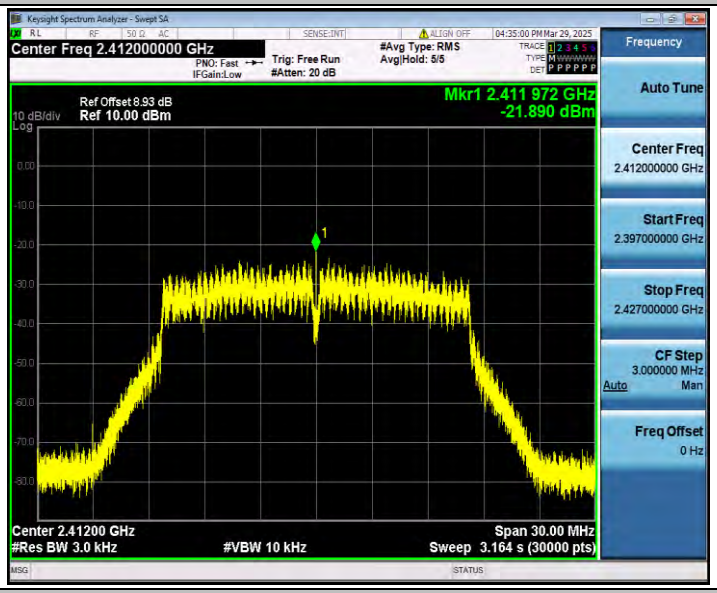
11B_Ant1_2437



11B_Ant1_2462

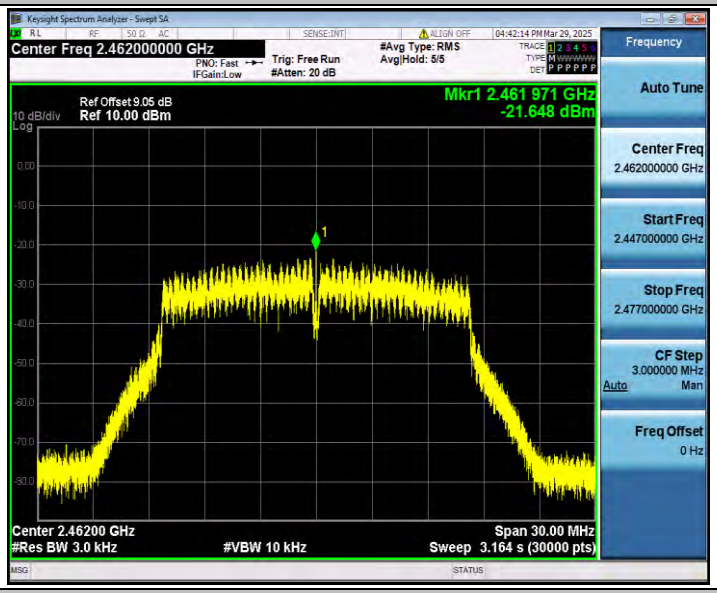


11G_Ant1_2412

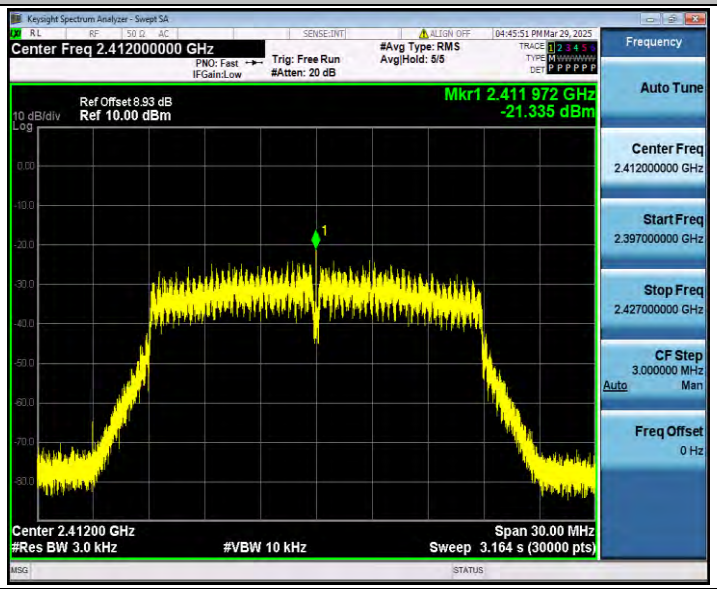


11G_Ant1_2437

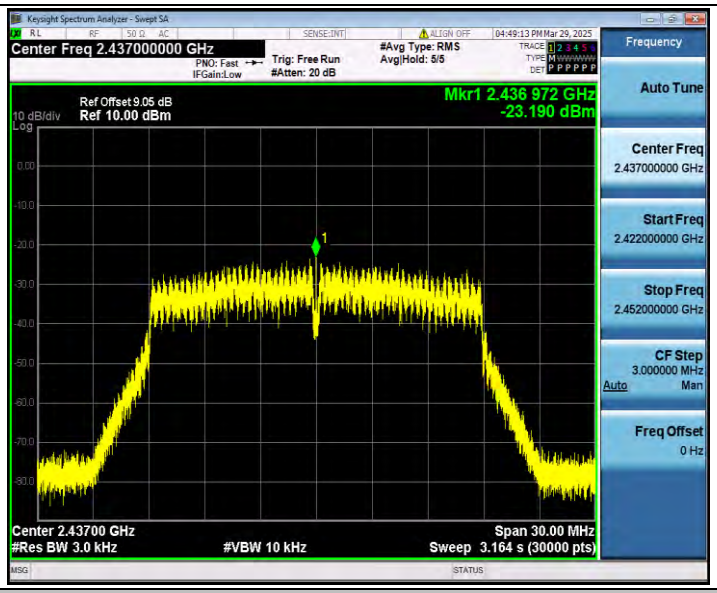
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



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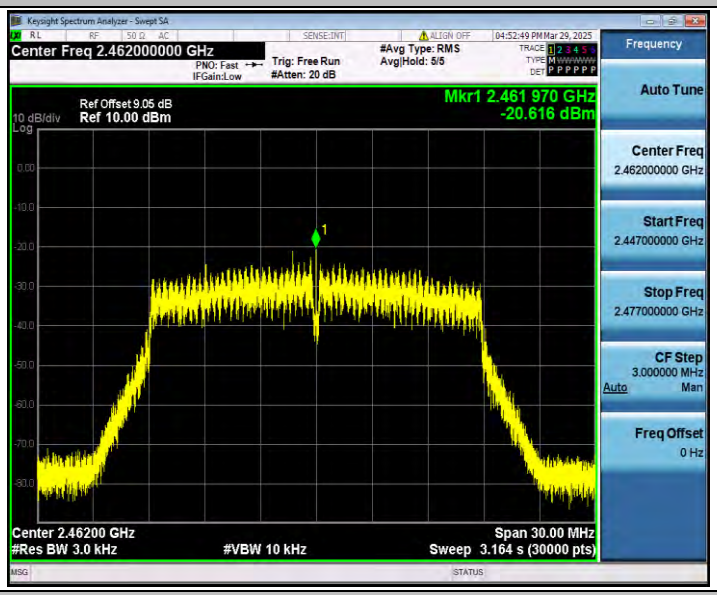
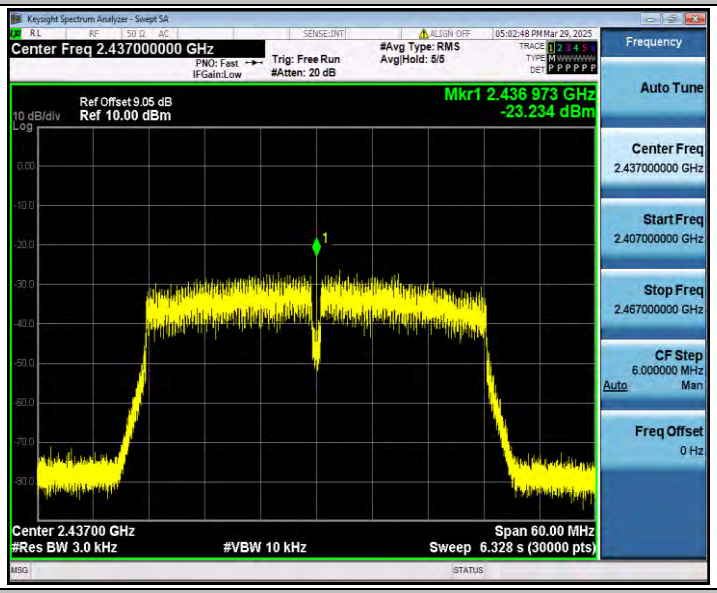
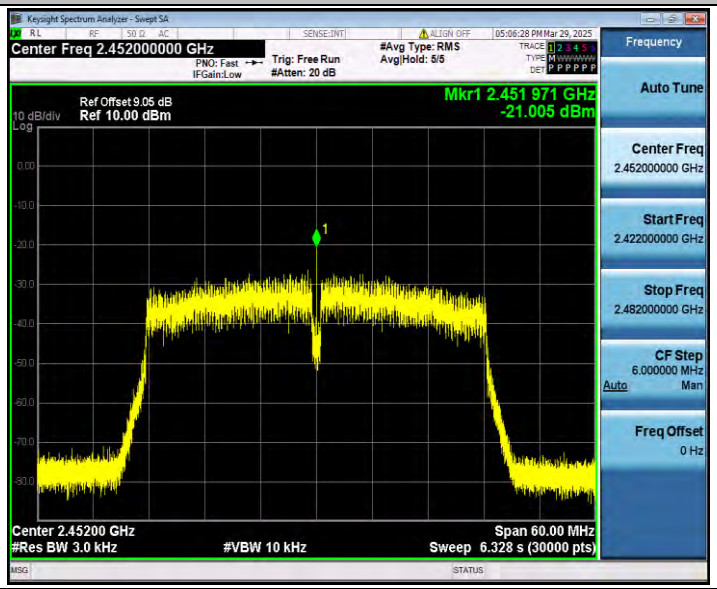


11N40SISO_Ant1_2422

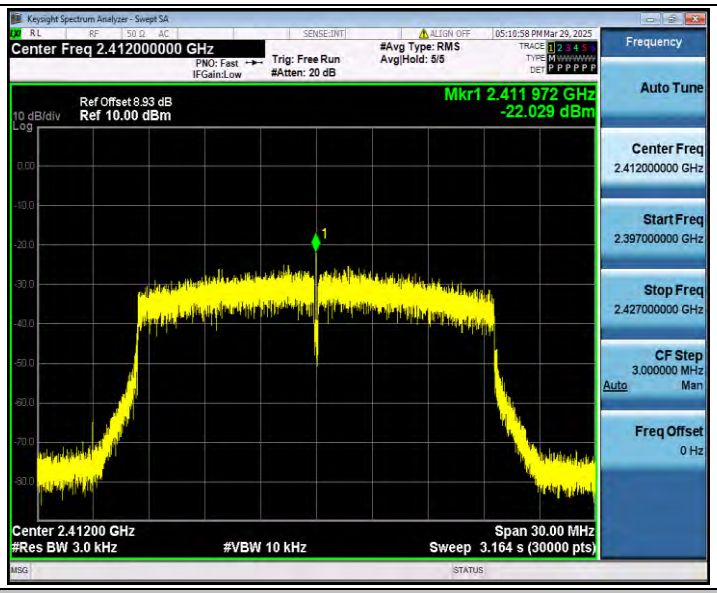
11N40SISO_Ant1_2437



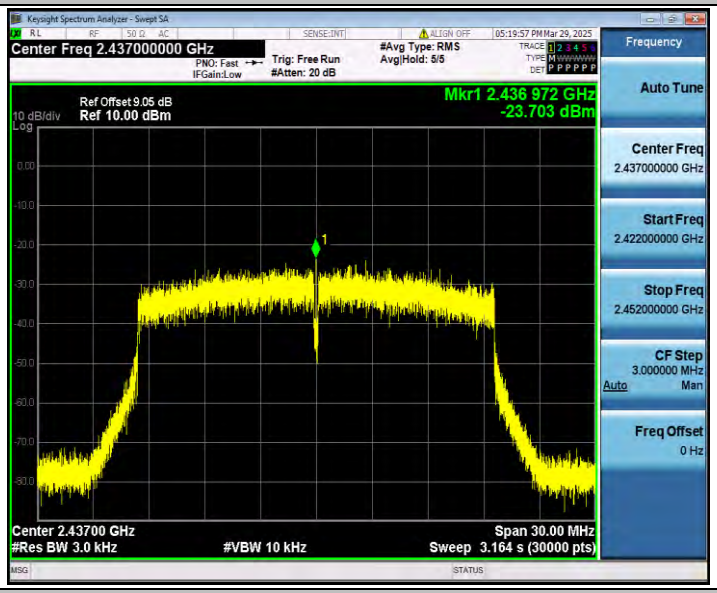
11N40SISO_Ant1_2452



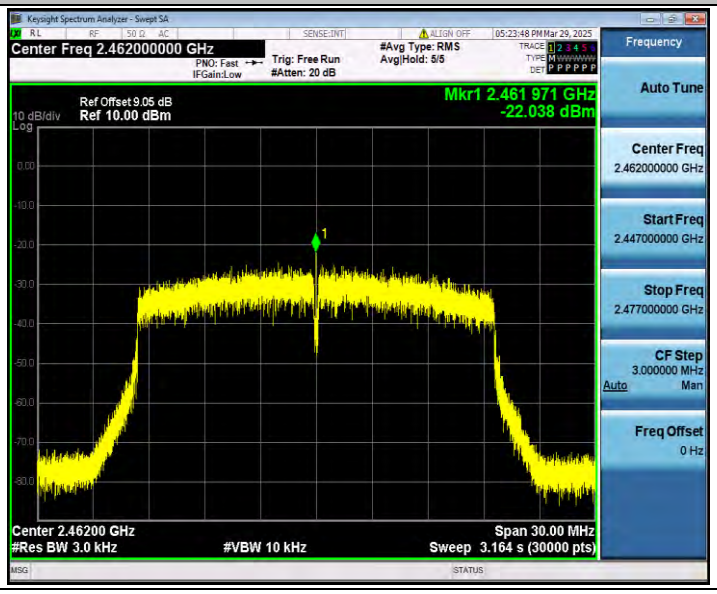
11AX20SISO_Ant1_2412



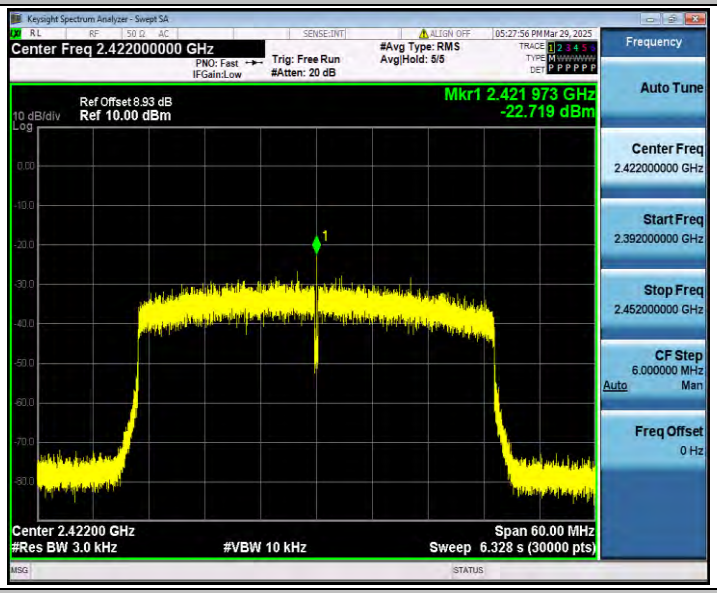
11AX20SISO_Ant1_2437



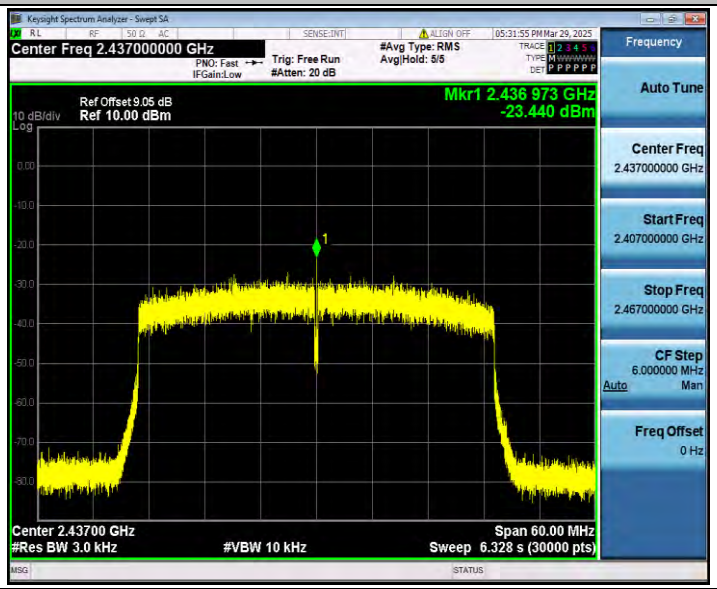
11AX20SISO_Ant1_2462



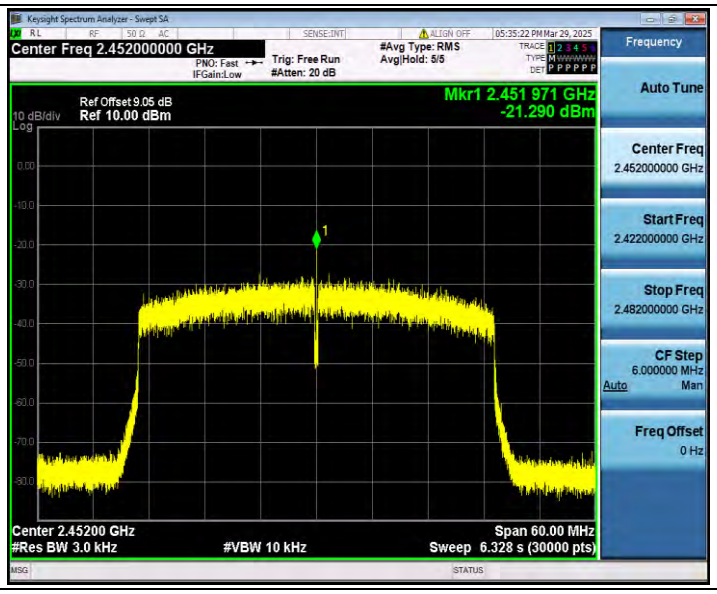
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452


Keysight Spectrum Analyzer - Swept SA
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 5/5
05:35:22 PM Mar 29, 2025
Ref Offset 9.05 dB
10 dB/div
Ref 10.00 dBm
Log
Mkr1 2.451 971 GHz
-21.290 dBm
Center 2.45200 GHz
#Res BW 3.0 kHz
#VBW 10 kHz
Span 60.00 MHz
Sweep 6.328 s (30000 pts)
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.422000000 GHz
Stop Freq
2.482000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz

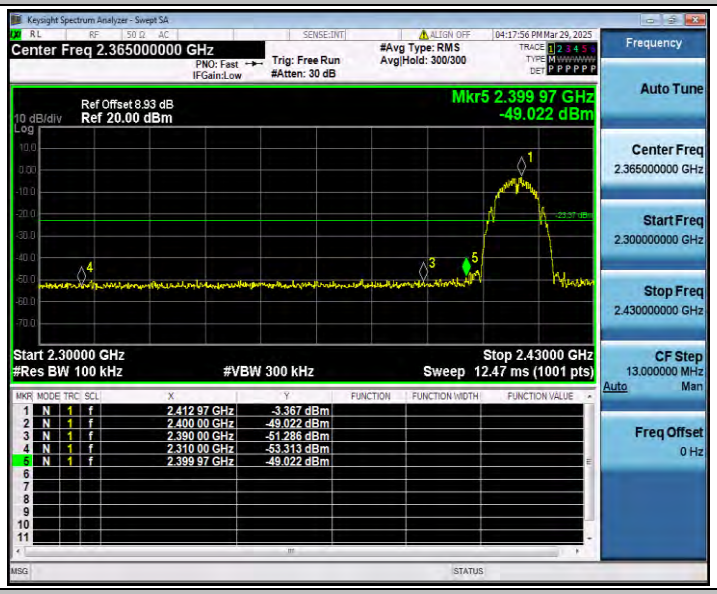
Appendix C.5: Band edge measurements

Test Result

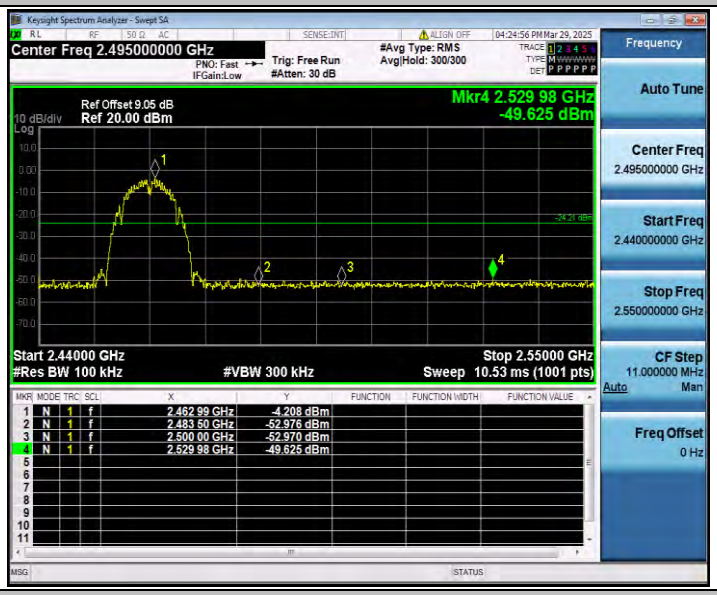
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.37	-49.02	≤-23.37	PASS
		High	2462	-4.21	-49.63	≤-24.21	PASS
11G	Ant1	Low	2412	-10.04	-48.66	≤-30.04	PASS
		High	2462	-9.57	-48.25	≤-29.57	PASS
11N20SISO	Ant1	Low	2412	-9.93	-48.64	≤-29.93	PASS
		High	2462	-10.52	-49.99	≤-30.52	PASS
11N40SISO	Ant1	Low	2422	-12.71	-48.78	≤-32.71	PASS
		High	2452	-12.87	-48.98	≤-32.87	PASS
11AX20SISO	Ant1	Low	2412	-10.97	-49.04	≤-30.97	PASS
		High	2462	-10.27	-49.17	≤-30.27	PASS
11AX40SISO	Ant1	Low	2422	-13.10	-49.29	≤-33.1	PASS
		High	2452	-12.43	-49.08	≤-32.43	PASS

Test Graphs

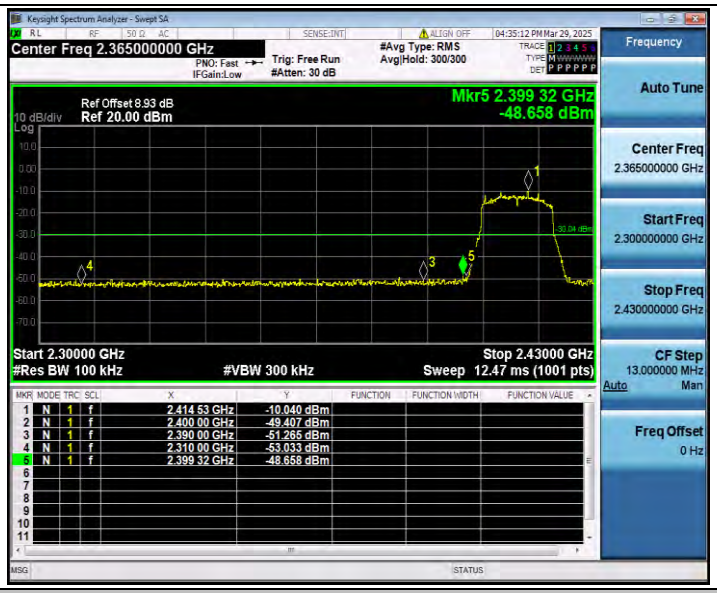
11B_Ant1_Low_2412



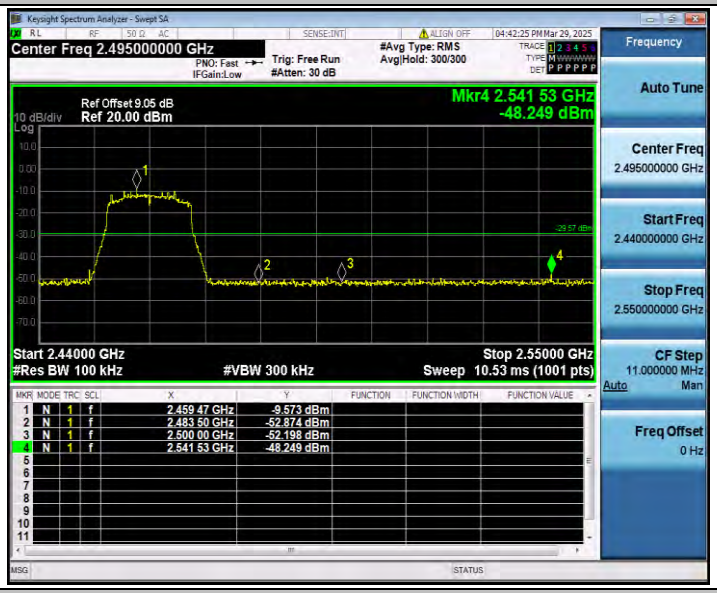
11B_Ant1_High_2462



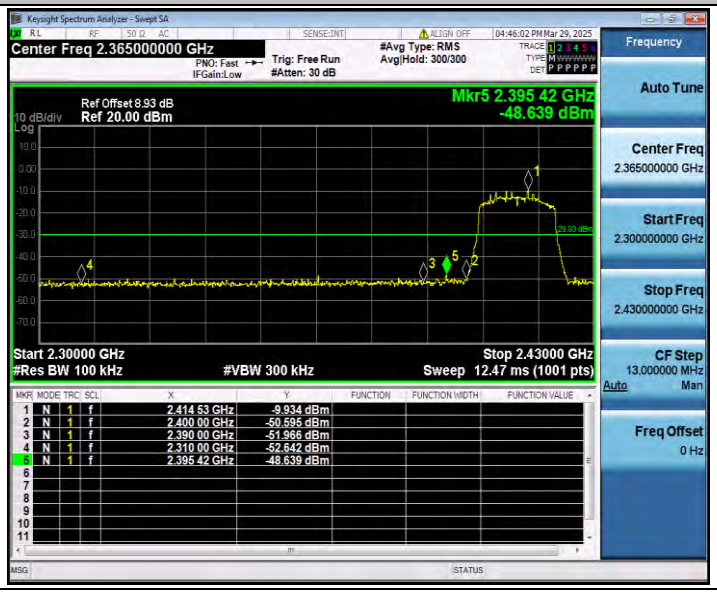
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



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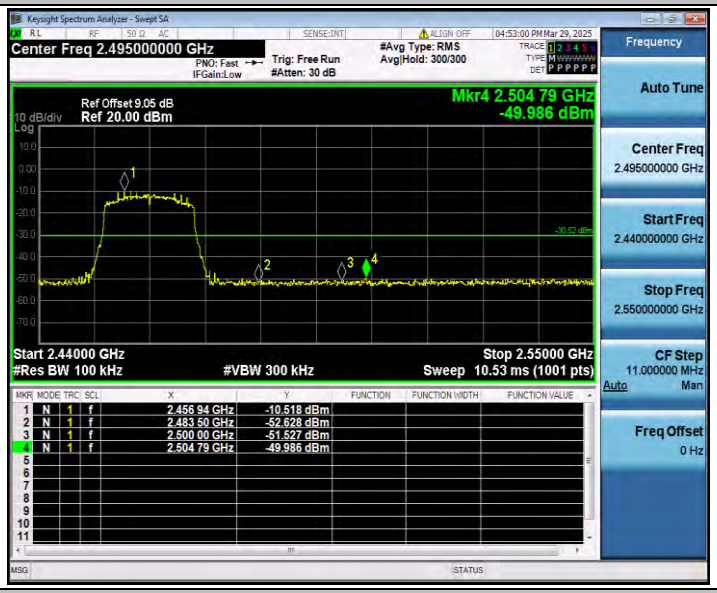

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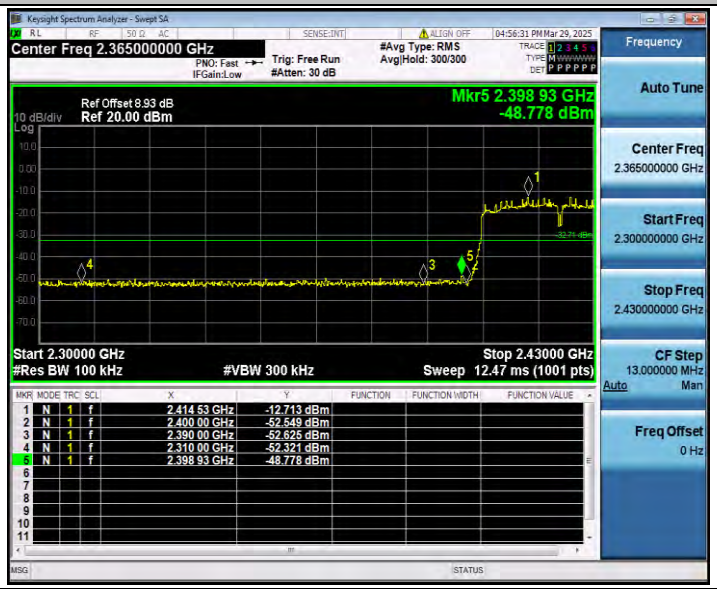
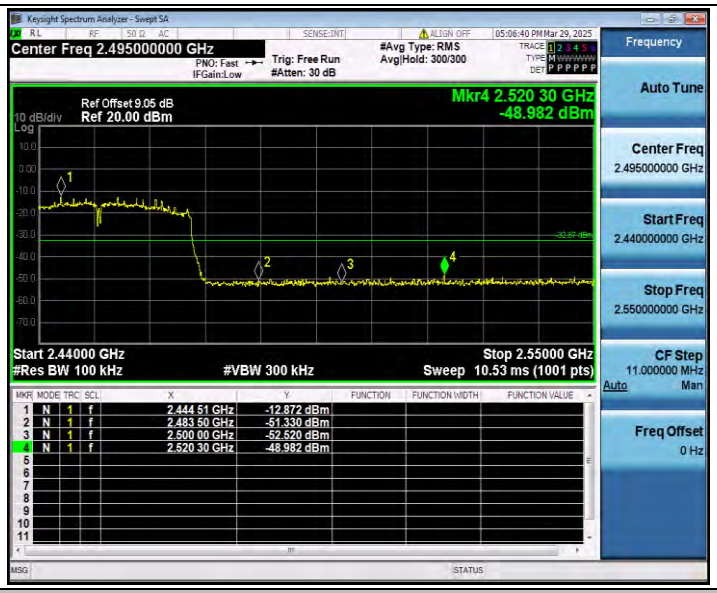
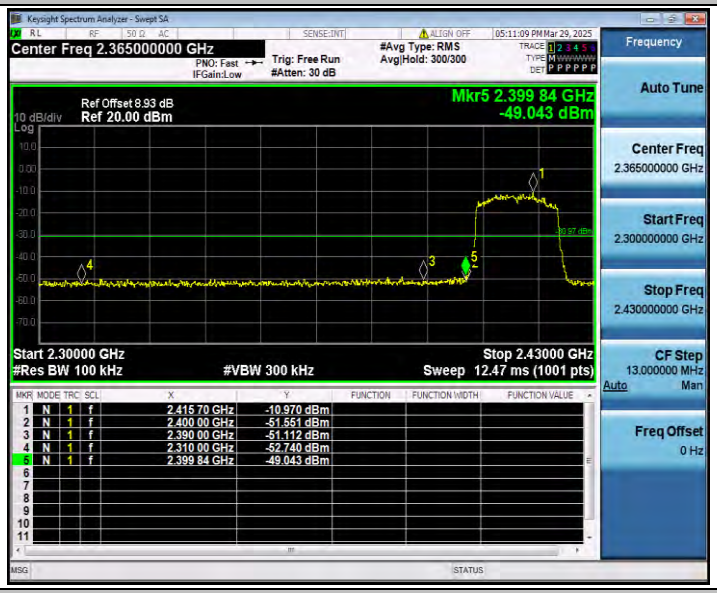


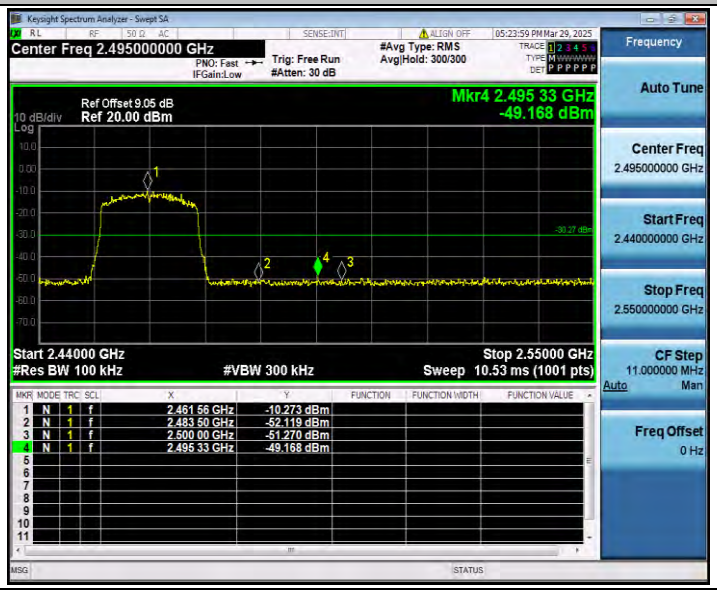
11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



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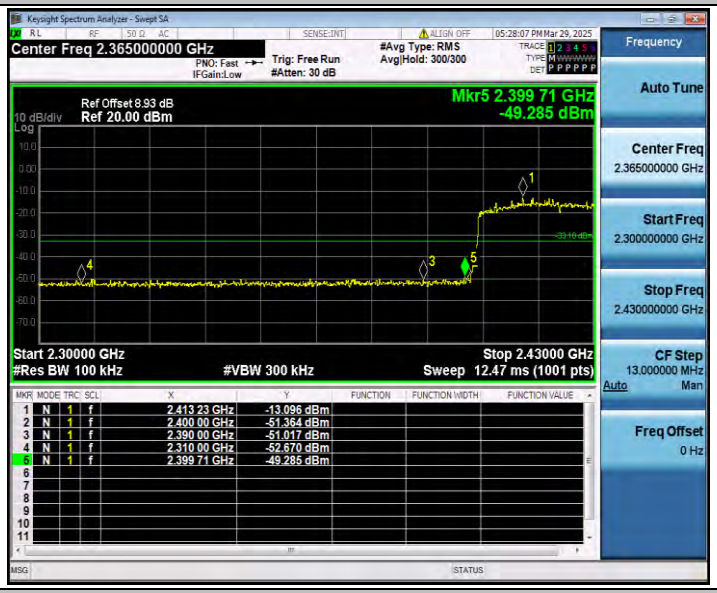
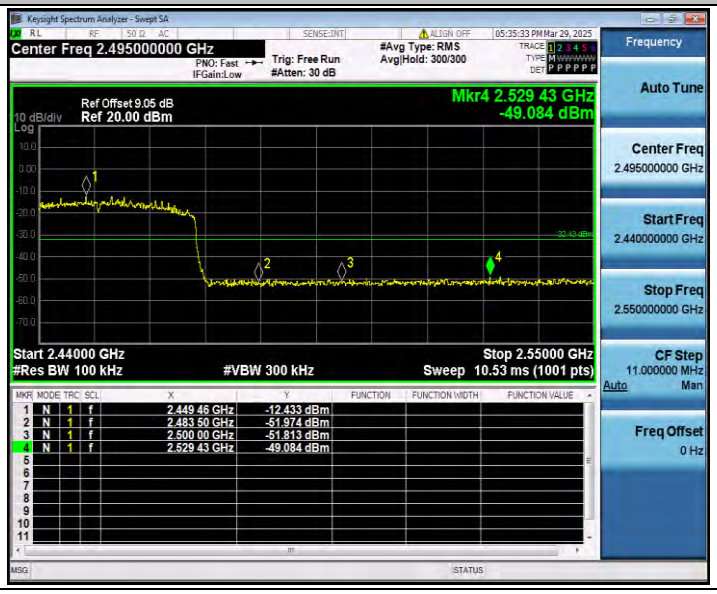
11AX40SISO_Ant1_High_2452