Case No. : GTS20241217020-2-11	
Ambient Condition: 22 ℃, 51 %RH,	
Test Date: 2025.2.13	**Test Engineer:** Evan ouyang

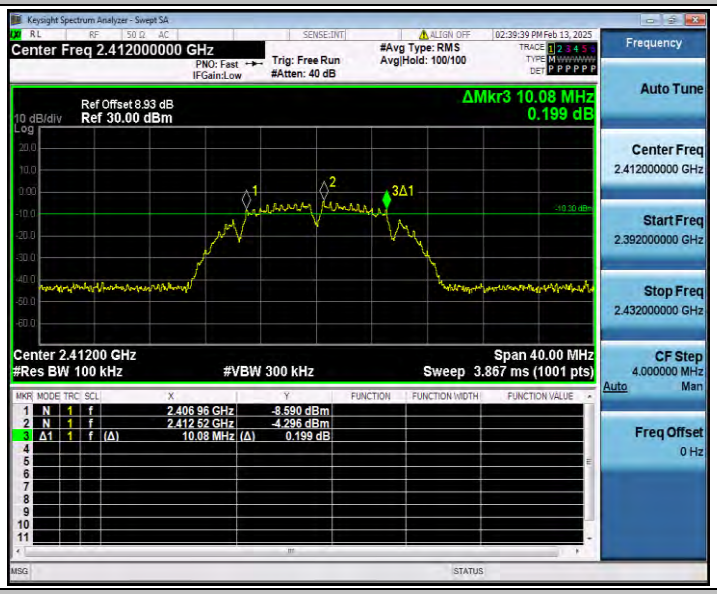
Appendix C.1: DTS Bandwidth

Test Result

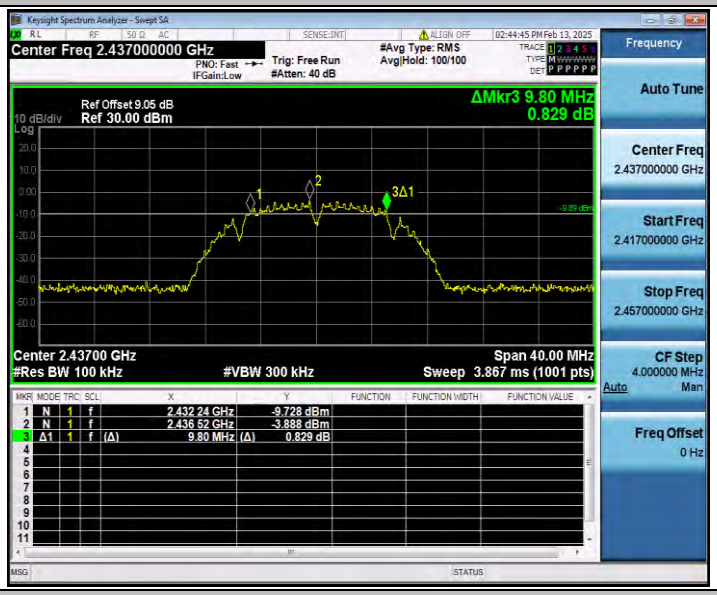
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	9.800	2432.240	2442.040	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	15.120	2404.480	2419.600	0.5	PASS
		2437	15.120	2429.480	2444.600	0.5	PASS
		2462	15.120	2454.480	2469.600	0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.480	2419.600	0.5	PASS
		2437	15.120	2429.480	2444.600	0.5	PASS
		2462	15.120	2454.480	2469.600	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.560	2439.600	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS
11AX20SISO	Ant1	2412	15.120	2404.480	2419.600	0.5	PASS
		2437	16.360	2429.480	2445.840	0.5	PASS
		2462	15.120	2454.480	2469.600	0.5	PASS
11AX40SISO	Ant1	2422	33.680	2406.000	2439.680	0.5	PASS
		2437	37.760	2418.120	2455.880	0.5	PASS
		2452	37.600	2433.200	2470.800	0.5	PASS

Test Graphs

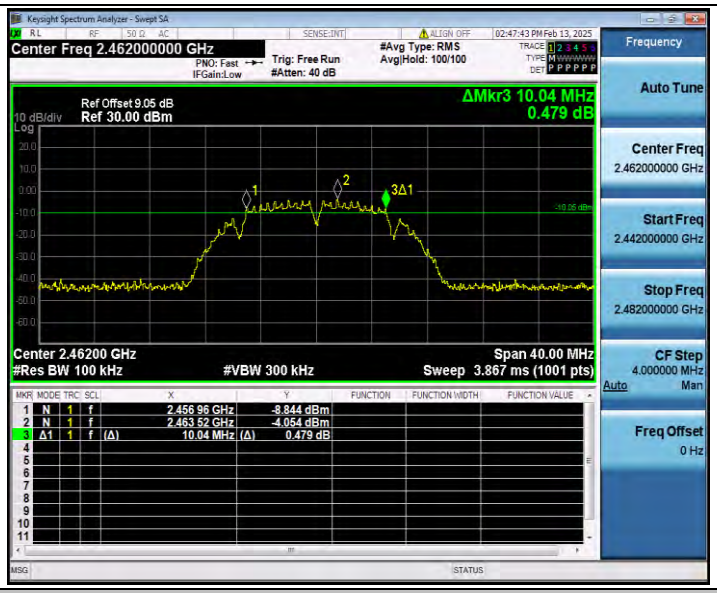
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



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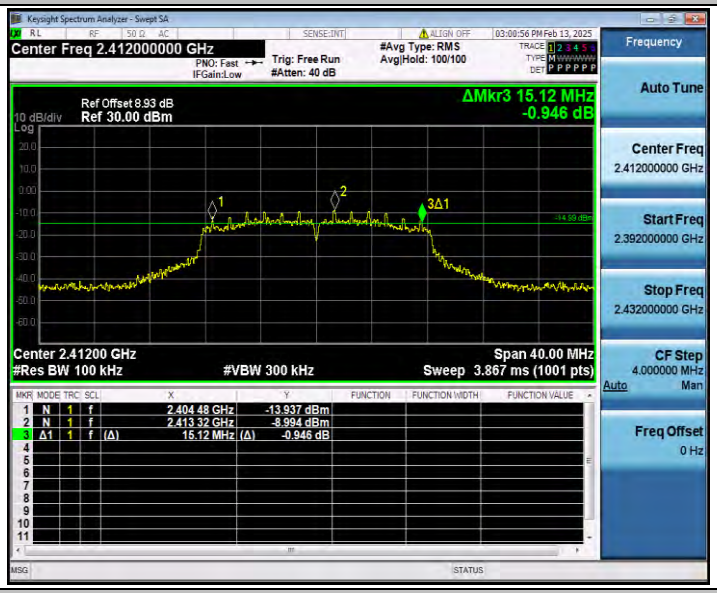

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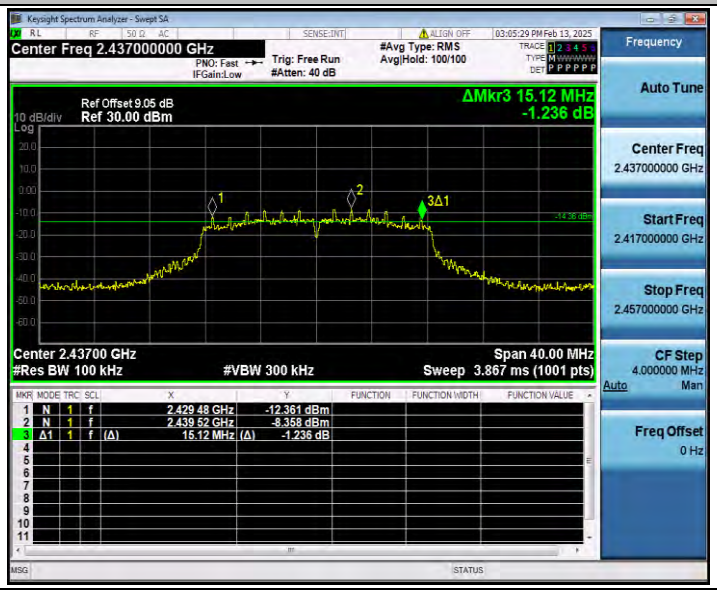

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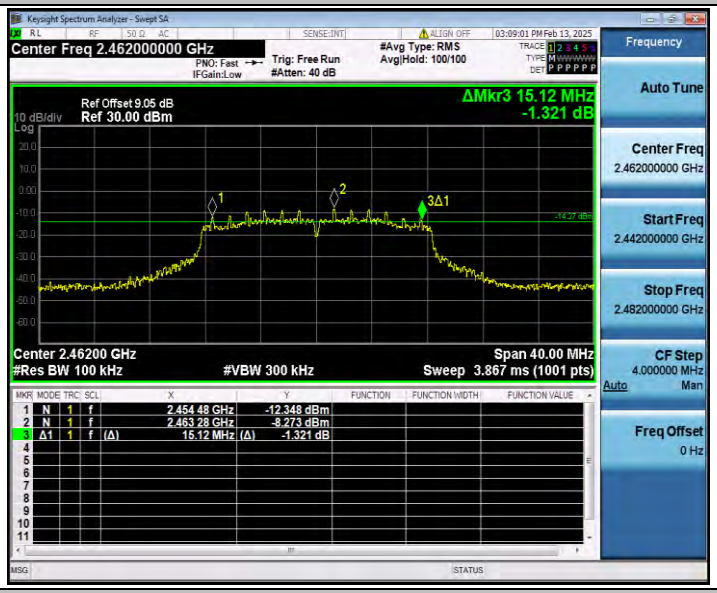

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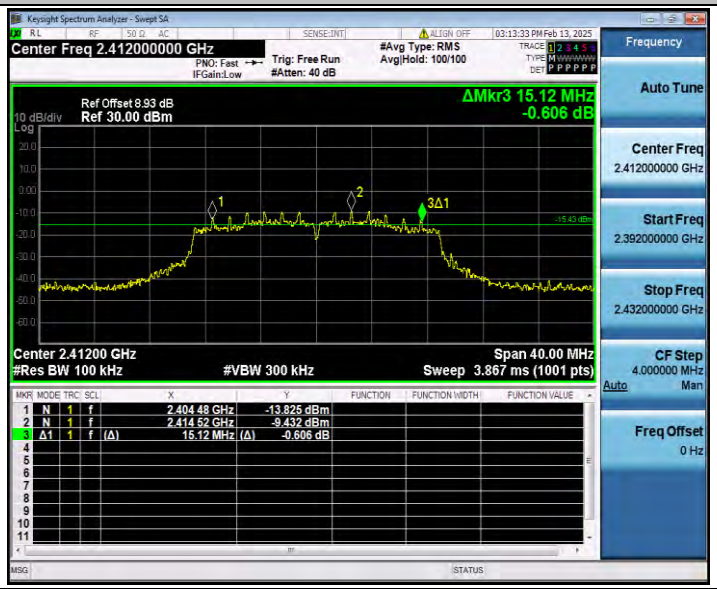

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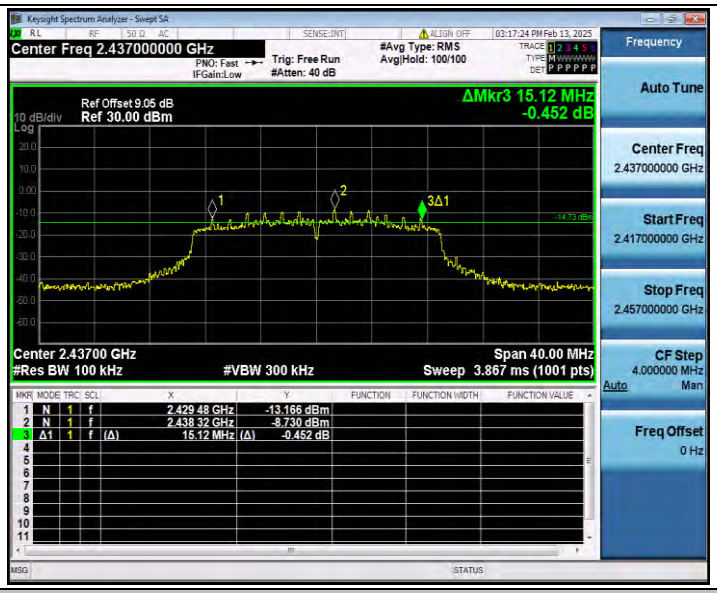

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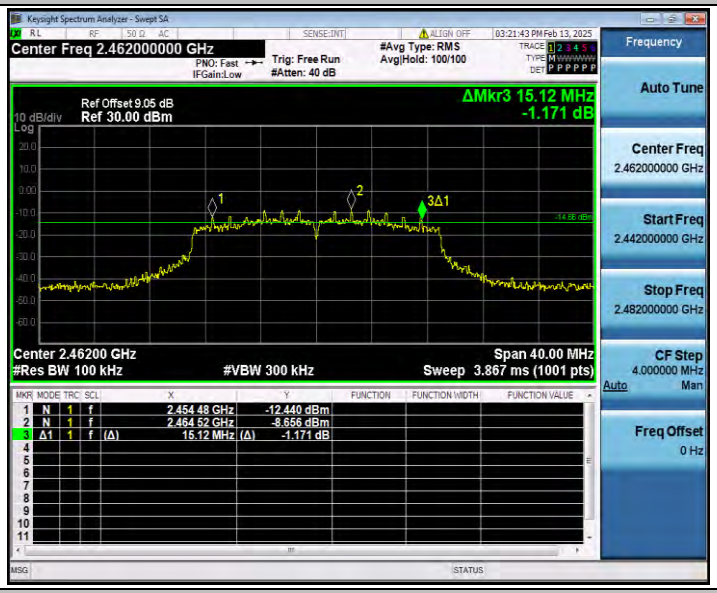

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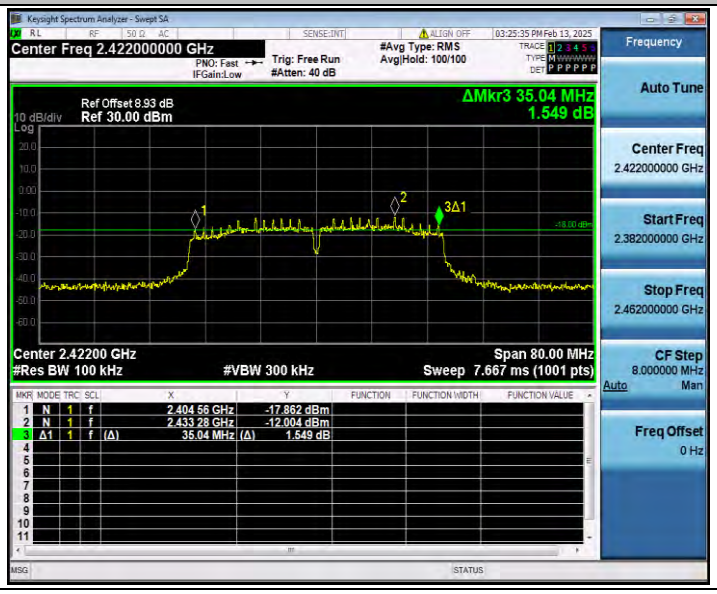

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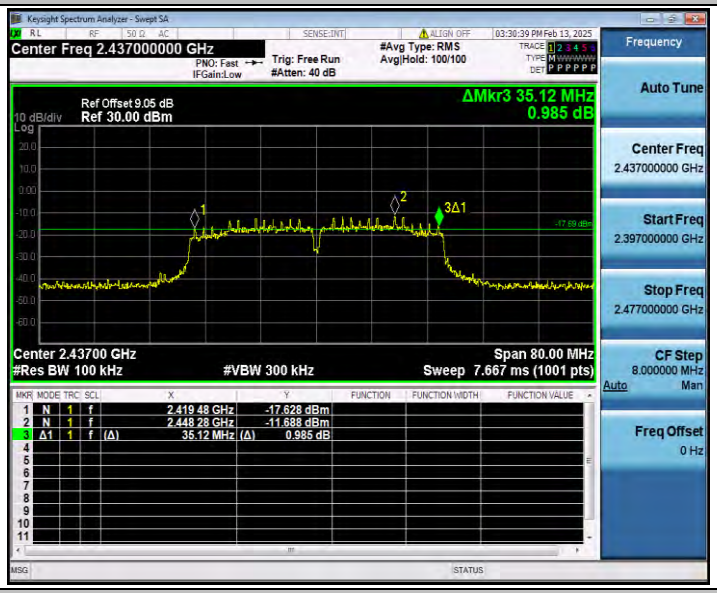
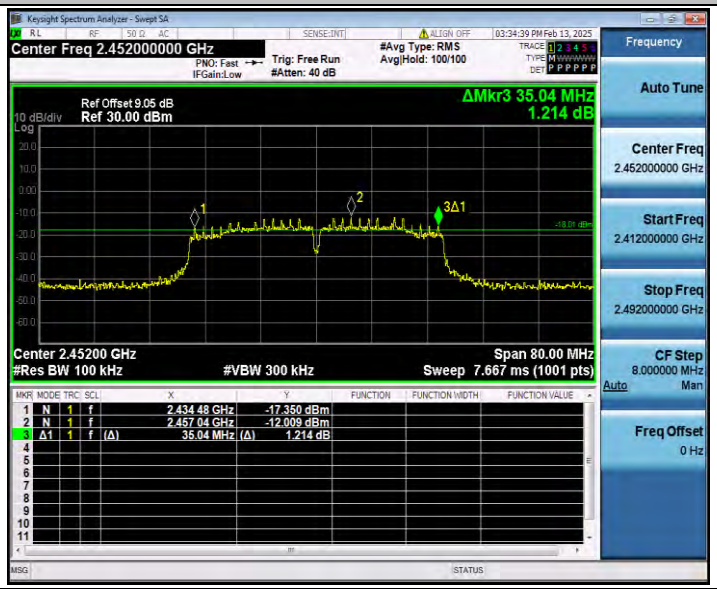
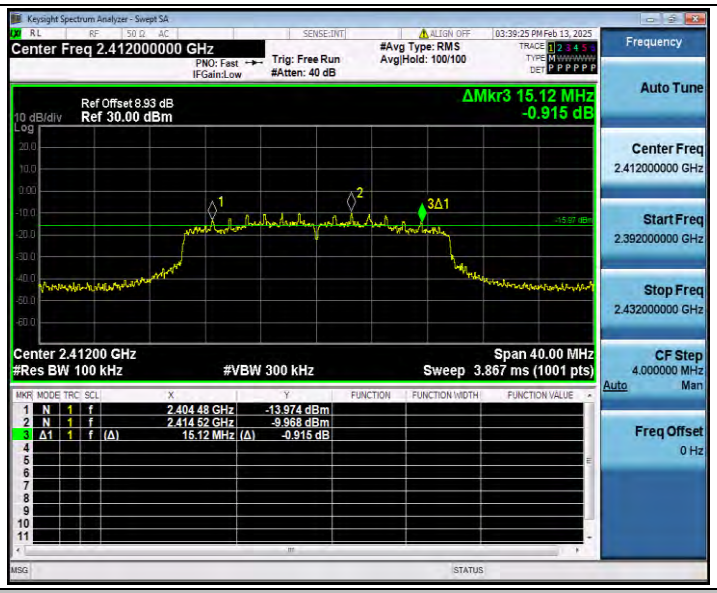


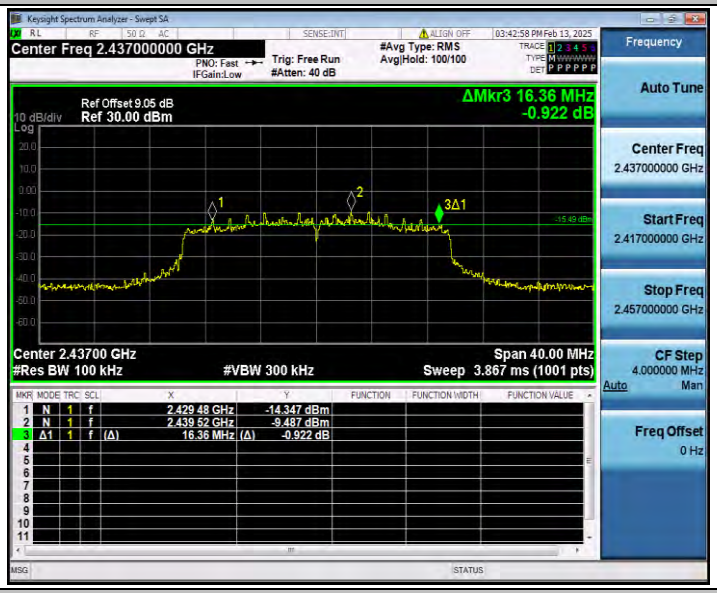
11N40SISO_Ant1_2452



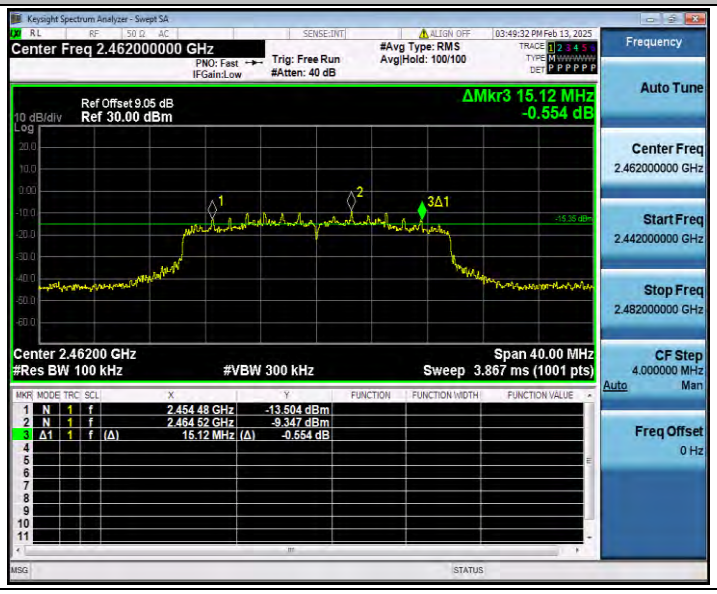
11AX20SISO_Ant1_2412



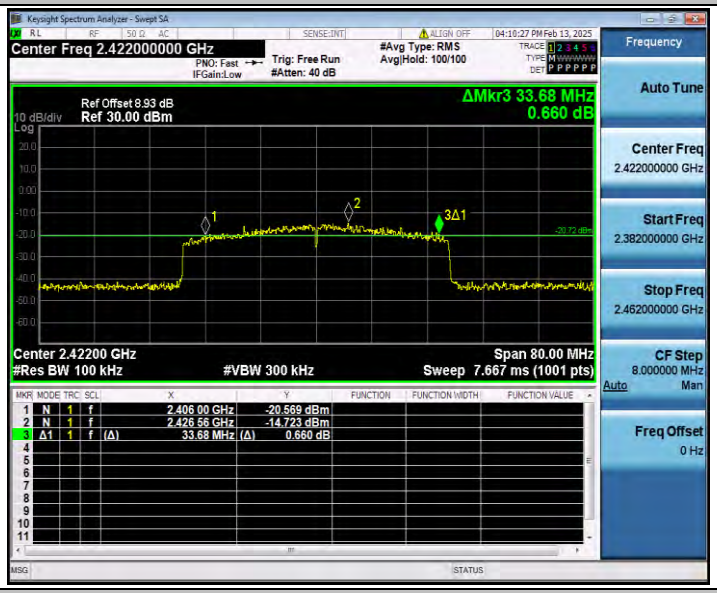
11AX20SISO_Ant1_2437



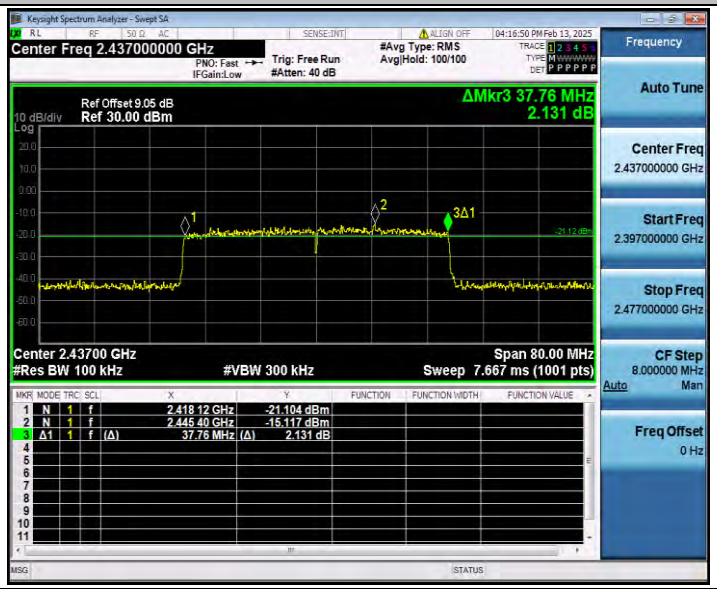
11AX20SISO_Ant1_2462



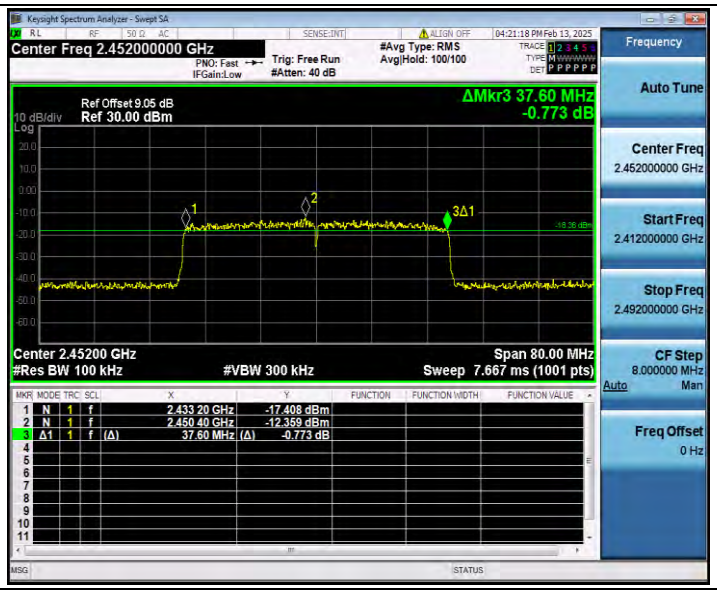
11AX40SISO_Ant1_2422



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
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
Ref Offset 9.05 dB
10 dB/div
Ref 30.00 dBm
Log
ΔMkr3 37.60 MHz
-0.773 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 2.433 20 GHz -17.408 dBm
2 N 1 f 2.450 40 GHz -12.359 dBm
3 Δ1 1 f (Δ) 37.60 MHz (Δ) -0.773 dB

Appendix C.2: Occupied Channel Bandwidth

Test Result

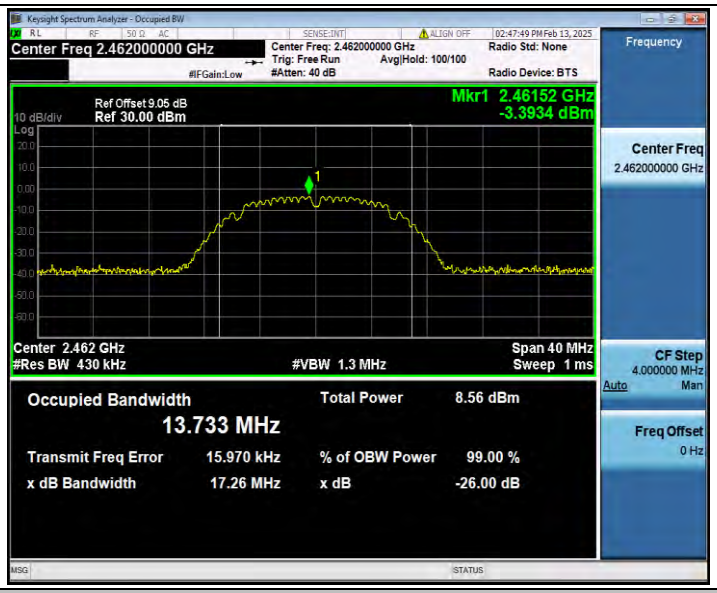
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.652	2405.1499	2418.8019	---	---
		2437	13.738	2430.1616	2443.8996	---	---
		2462	13.733	2455.1495	2468.8825	---	---
11G	Ant1	2412	16.984	2403.5173	2420.5013	---	---
		2437	16.986	2428.5507	2445.5367	---	---
		2462	17.014	2453.5200	2470.5340	---	---
11N20SISO	Ant1	2412	17.994	2403.0134	2421.0074	---	---
		2437	18.033	2428.0096	2446.0426	---	---
		2462	18.030	2453.0195	2471.0495	---	---
11N40SISO	Ant1	2422	36.379	2404.0034	2440.3824	---	---
		2437	36.426	2418.9704	2455.3964	---	---
		2452	36.321	2433.9583	2470.2793	---	---
11AX20SISO	Ant1	2412	18.967	2402.5392	2421.5062	---	---
		2437	19.008	2427.5319	2446.5399	---	---
		2462	18.948	2452.5937	2471.5417	---	---
11AX40SISO	Ant1	2422	37.464	2403.3340	2440.7980	---	---
		2437	37.957	2418.0442	2456.0012	---	---
		2452	37.846	2433.0992	2470.9452	---	---

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 2.44944 GHz
-2.3042 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
37.846 MHz
Total Power
10.6 dBm
Transmit Freq Error
22.214 kHz
% of OBW Power
99.00 %
x dB Bandwidth
40.47 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	8.22	≤30.00	PASS
		2437	8.61	≤30.00	PASS
		2462	8.62	≤30.00	PASS
11G	Ant1	2412	7.72	≤30.00	PASS
		2437	8.29	≤30.00	PASS
		2462	8.10	≤30.00	PASS
11N20SISO	Ant1	2412	7.48	≤30.00	PASS
		2437	7.86	≤30.00	PASS
		2462	8.05	≤30.00	PASS
11N40SISO	Ant1	2422	7.77	≤30.00	PASS
		2437	8.02	≤30.00	PASS
		2452	7.96	≤30.00	PASS
11AX20SISO	Ant1	2412	7.64	≤30.00	PASS
		2437	7.95	≤30.00	PASS
		2462	7.95	≤30.00	PASS
11AX40SISO	Ant1	2422	7.83	≤30.00	PASS
		2437	7.74	≤30.00	PASS
		2452	8.71	≤30.00	PASS

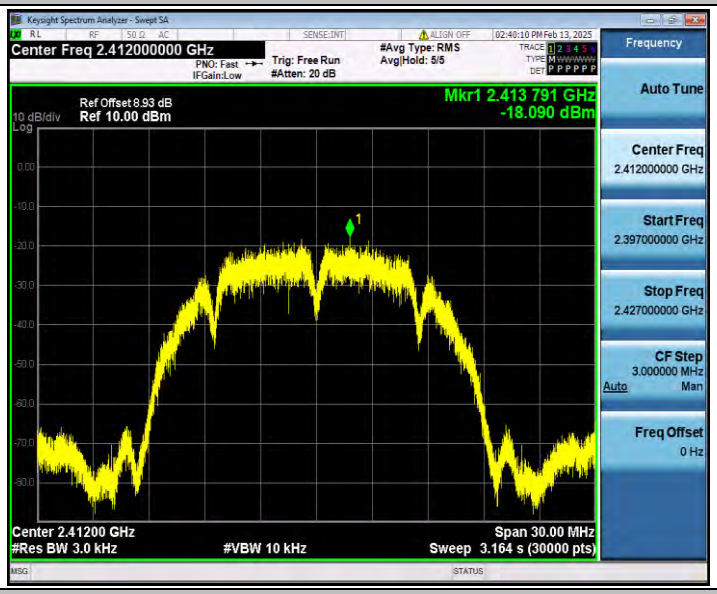
Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.09	≤8.00	PASS
		2437	-17.00	≤8.00	PASS
		2462	-18.01	≤8.00	PASS
11G	Ant1	2412	-25.14	≤8.00	PASS
		2437	-22.91	≤8.00	PASS
		2462	-24.61	≤8.00	PASS
11N20SISO	Ant1	2412	-25.05	≤8.00	PASS
		2437	-24.51	≤8.00	PASS
		2462	-25.01	≤8.00	PASS
11N40SISO	Ant1	2422	-27.70	≤8.00	PASS
		2437	-26.50	≤8.00	PASS
		2452	-26.77	≤8.00	PASS
11AX20SISO	Ant1	2412	-26.86	≤8.00	PASS
		2437	-25.23	≤8.00	PASS
		2462	-25.46	≤8.00	PASS
11AX40SISO	Ant1	2422	-24.25	≤8.00	PASS
		2437	-25.85	≤8.00	PASS
		2452	-23.03	≤8.00	PASS

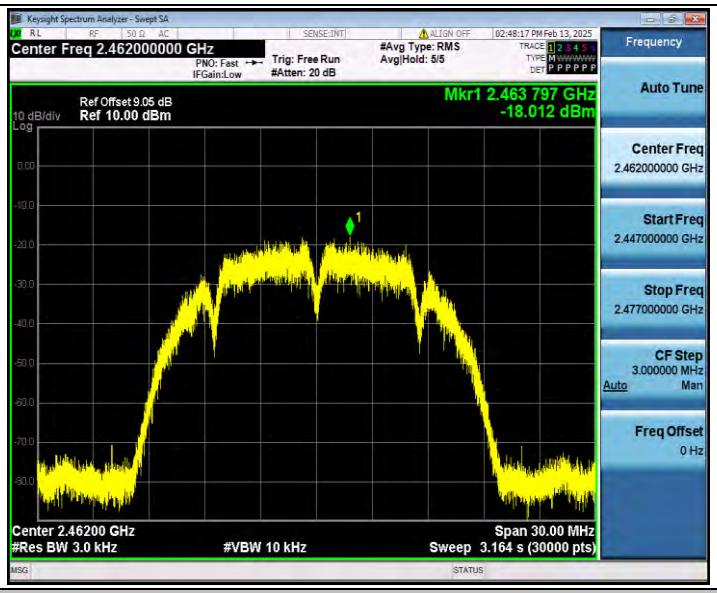
Test Graphs

11B_Ant1_2412

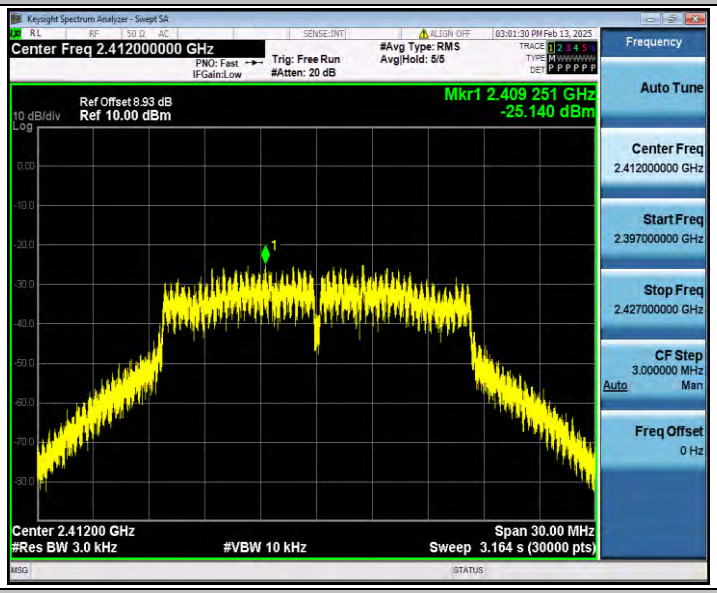


11B_Ant1_2437

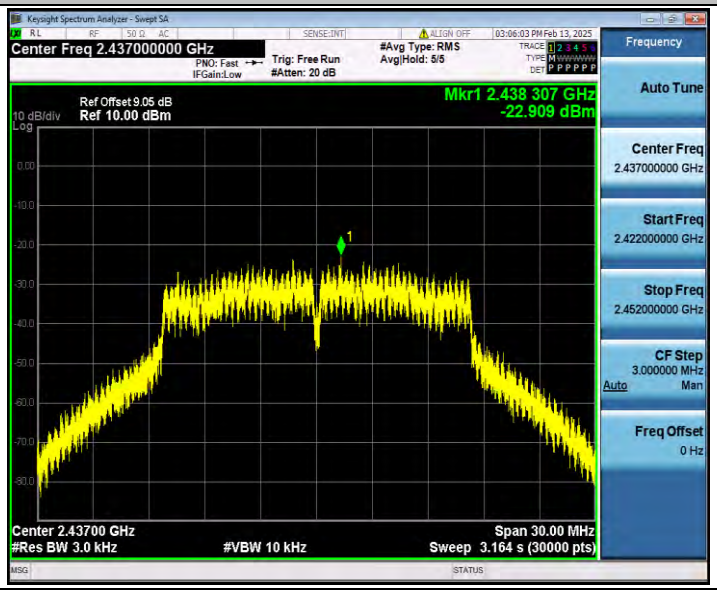
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



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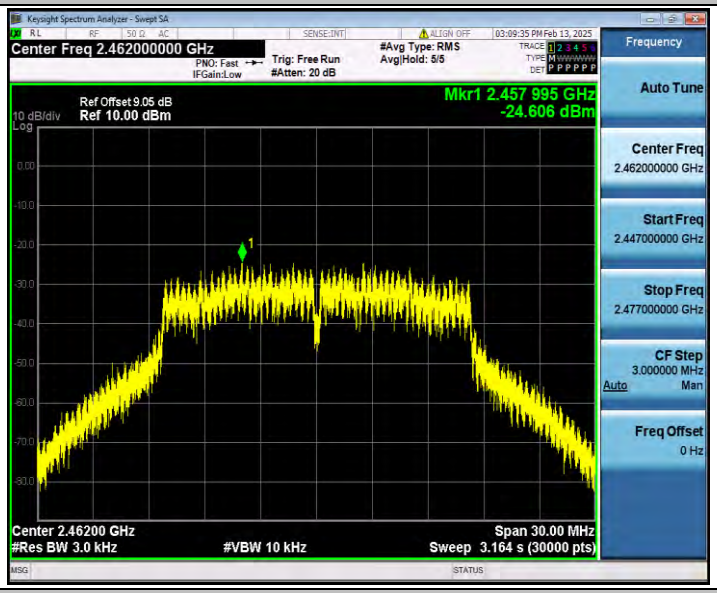
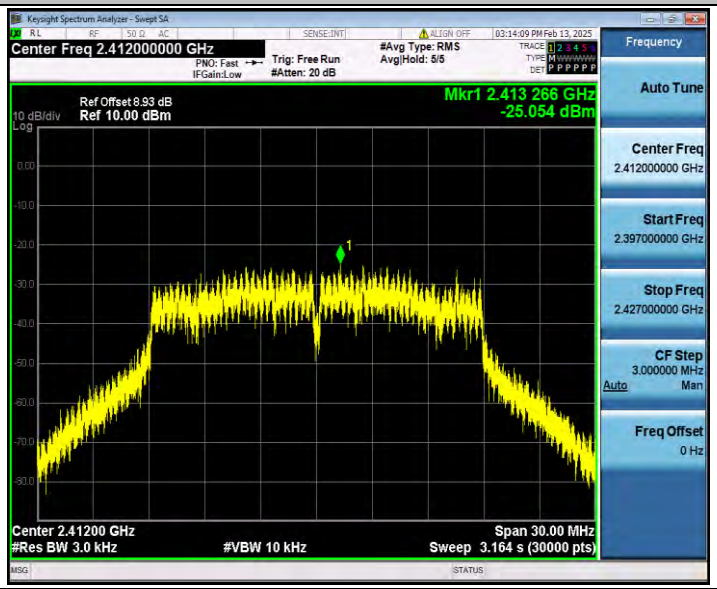


11N20SISO_Ant1_2412



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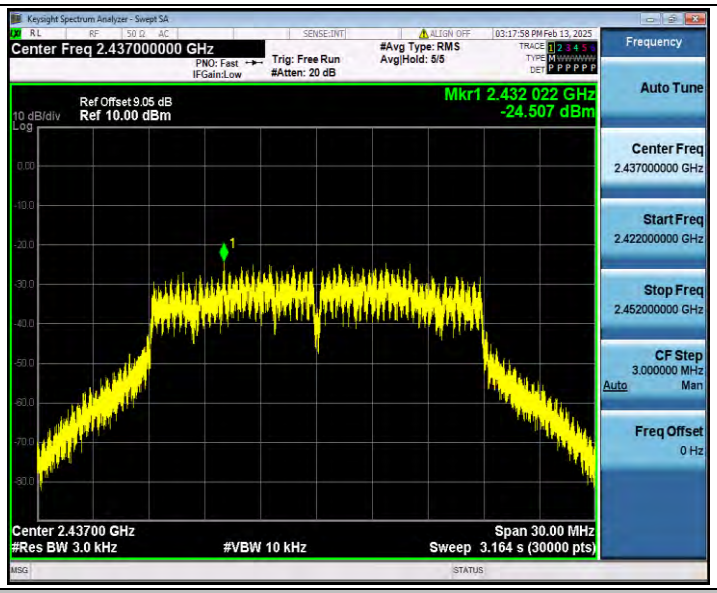

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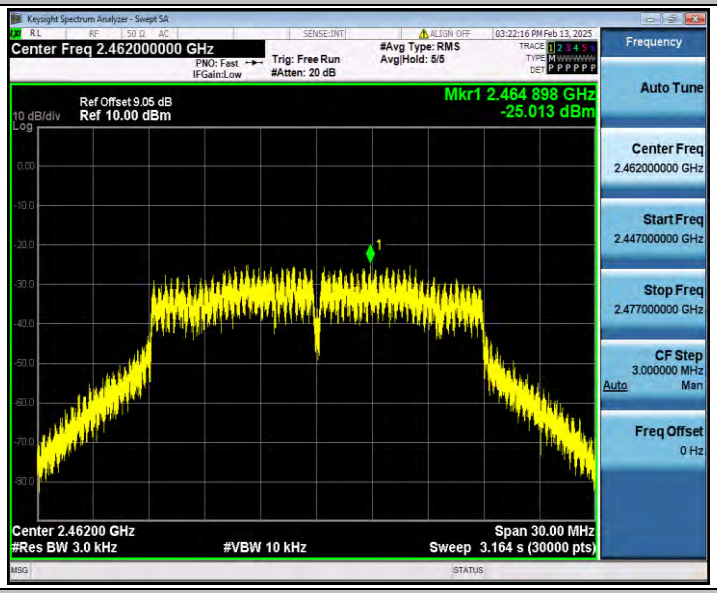

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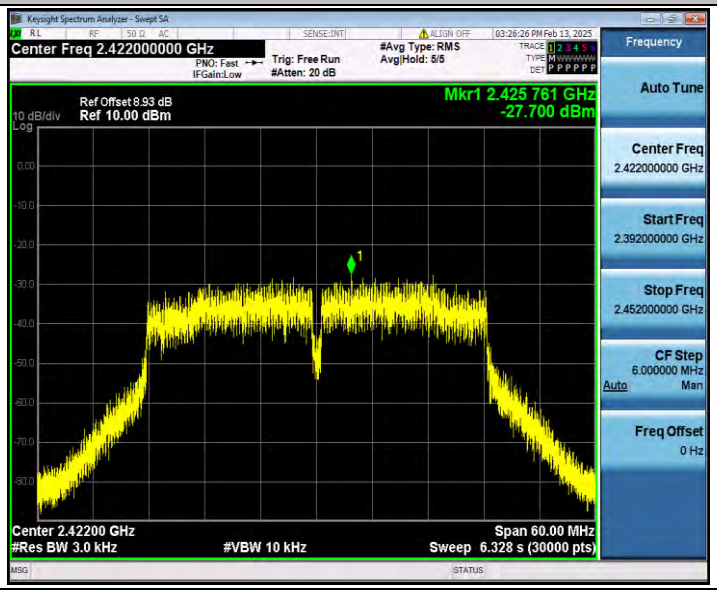

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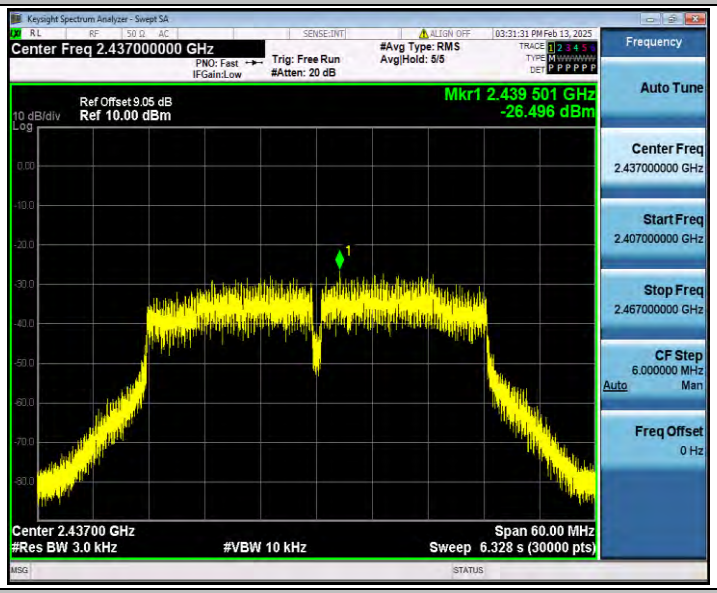
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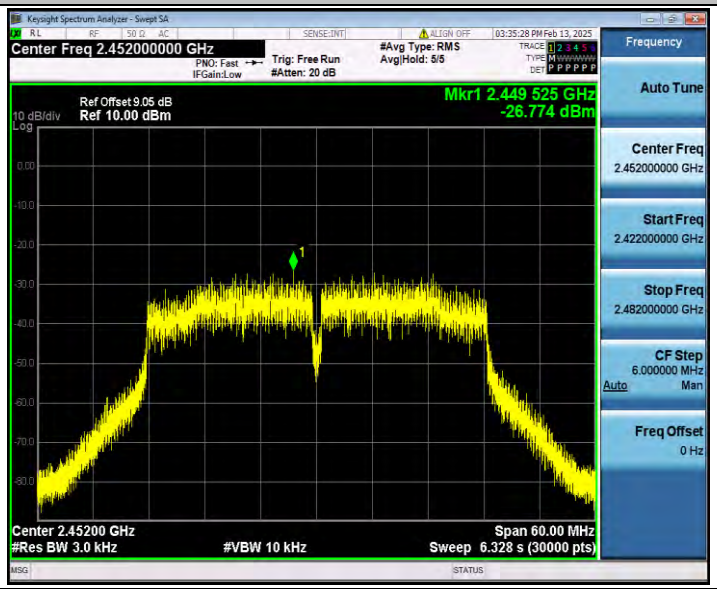
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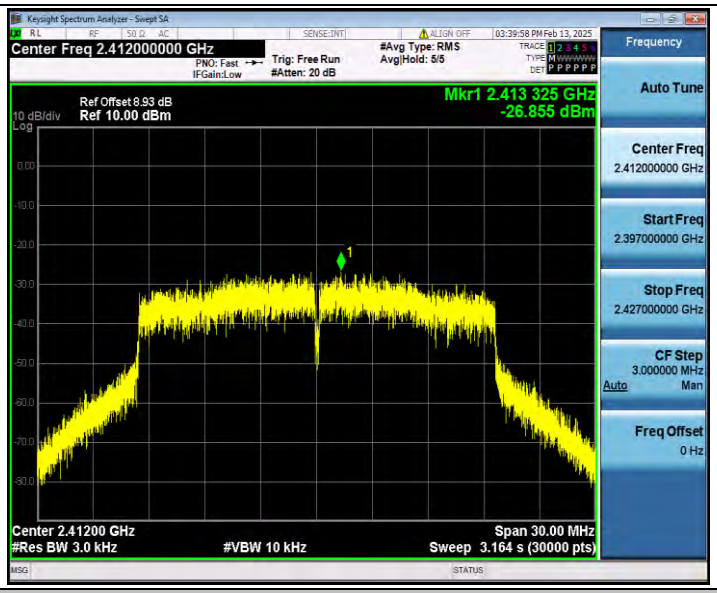

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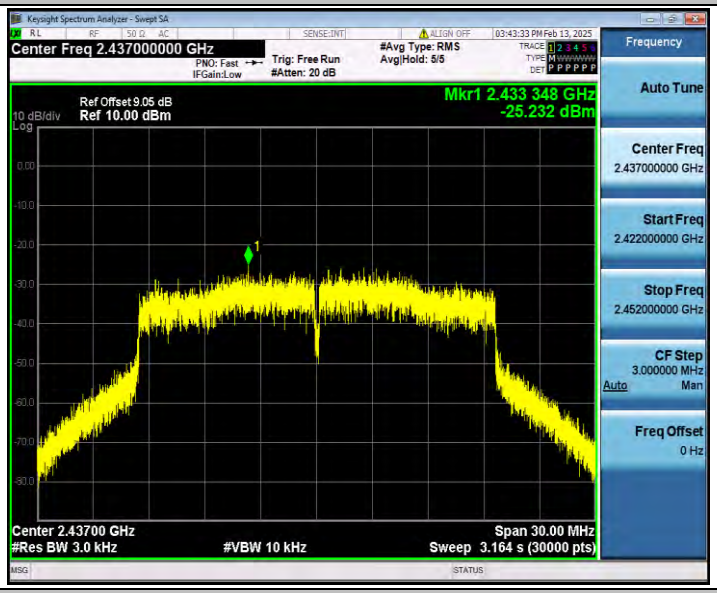

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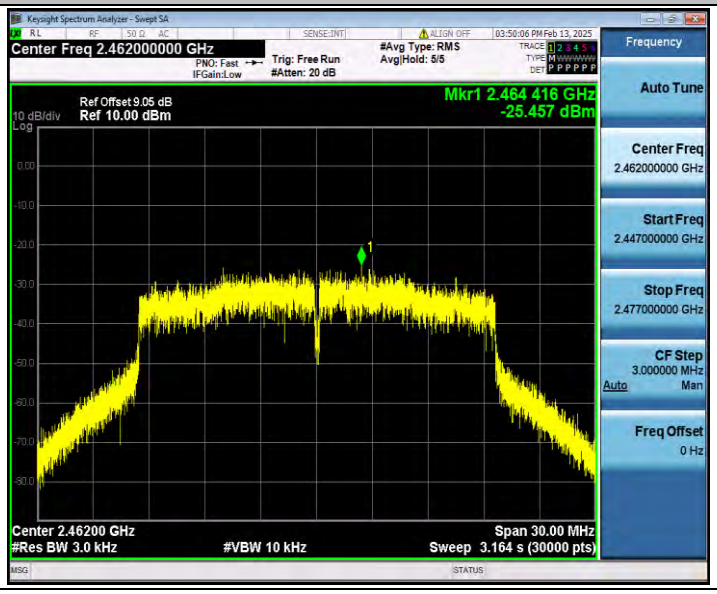

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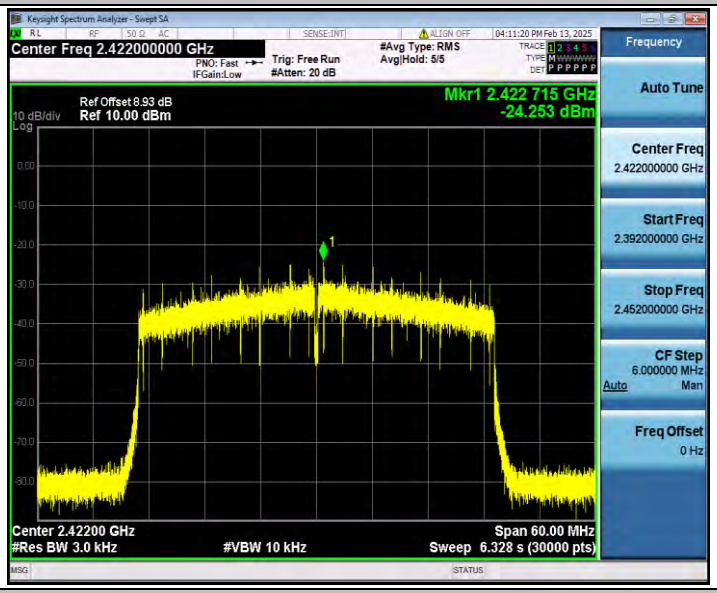

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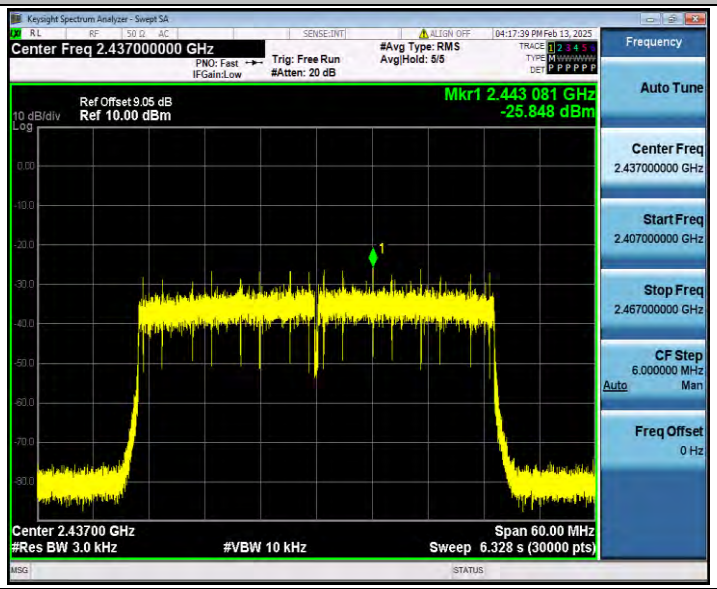
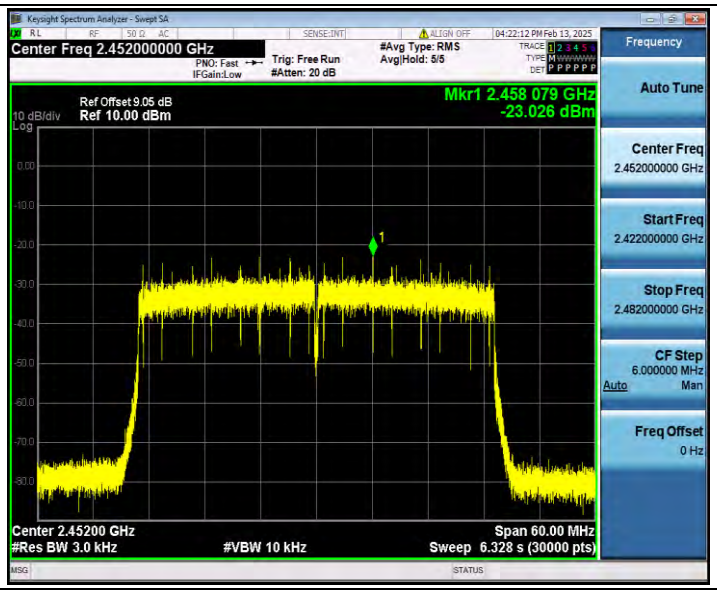


11AX40SISO_Ant1_2452


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
Ref Offset 9.05 dB
10 dB/div
Ref 10.00 dBm
Log
Mkr1 2.458 079 GHz
-23.026 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