Case No. : GTS20241217020-2-11	
Ambient Condition: 22 ℃, 52 %RH,	
Test Date: 2025.2.15	**Test Engineer:** Evan ouyang

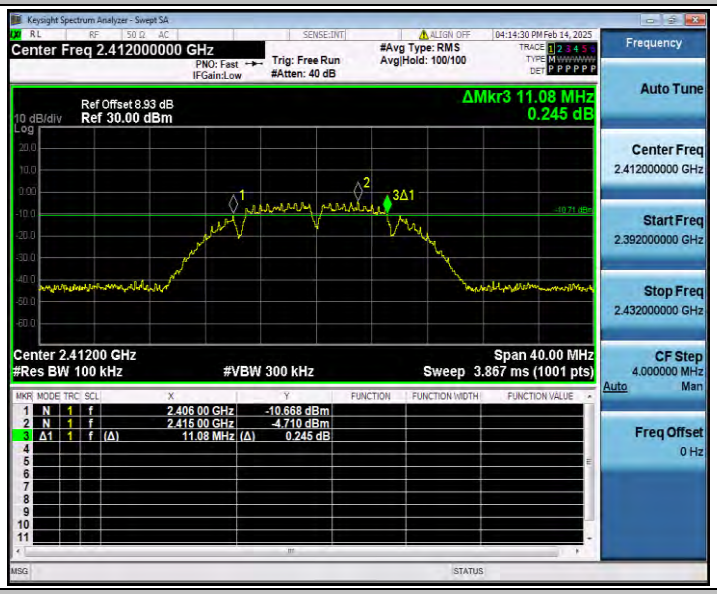
Appendix C.1: DTS Bandwidth

Test Result

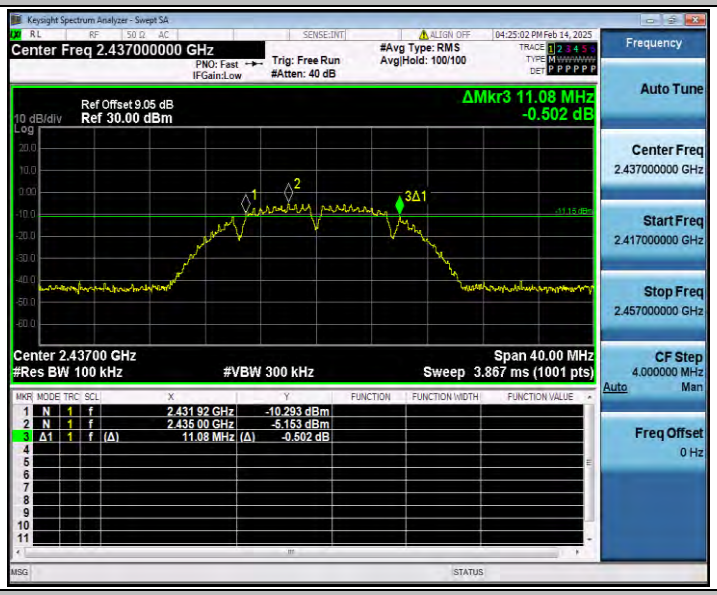
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	11.080	2406.000	2417.080	0.5	PASS
		2437	11.080	2431.920	2443.000	0.5	PASS
		2462	11.080	2456.920	2468.000	0.5	PASS
11G	Ant2	2412	16.480	2403.760	2420.240	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.440	2453.760	2470.200	0.5	PASS
11N20SISO	Ant2	2412	17.640	2403.160	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant2	2422	36.480	2403.760	2440.240	0.5	PASS
		2437	36.480	2418.760	2455.240	0.5	PASS
		2452	36.480	2433.760	2470.240	0.5	PASS
11AX20SISO	Ant2	2412	16.040	2403.600	2419.640	0.5	PASS
		2437	18.920	2427.520	2446.440	0.5	PASS
		2462	18.960	2452.520	2471.480	0.5	PASS
11AX40SISO	Ant2	2422	32.640	2406.640	2439.280	0.5	PASS
		2437	37.760	2418.120	2455.880	0.5	PASS
		2452	38.000	2432.960	2470.960	0.5	PASS

Test Graphs

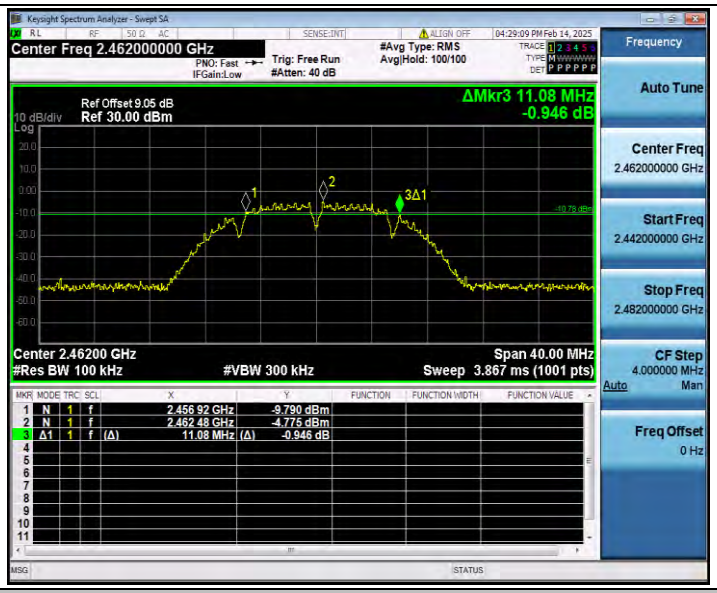
11B_Ant2_2412



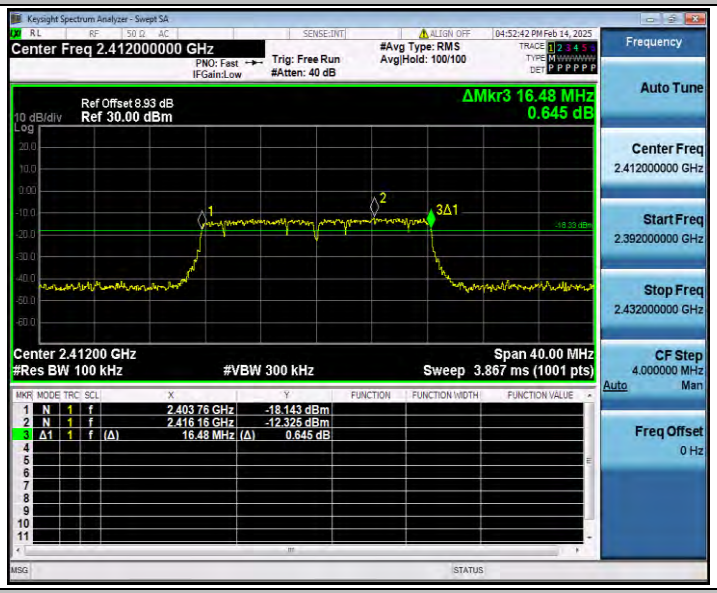
11B_Ant2_2437



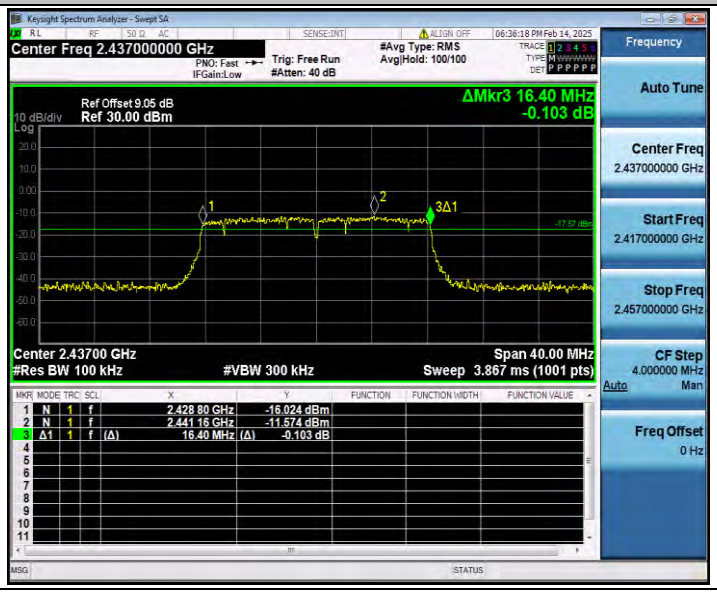
11B_Ant2_2462



11G_Ant2_2412



11G_Ant2_2437



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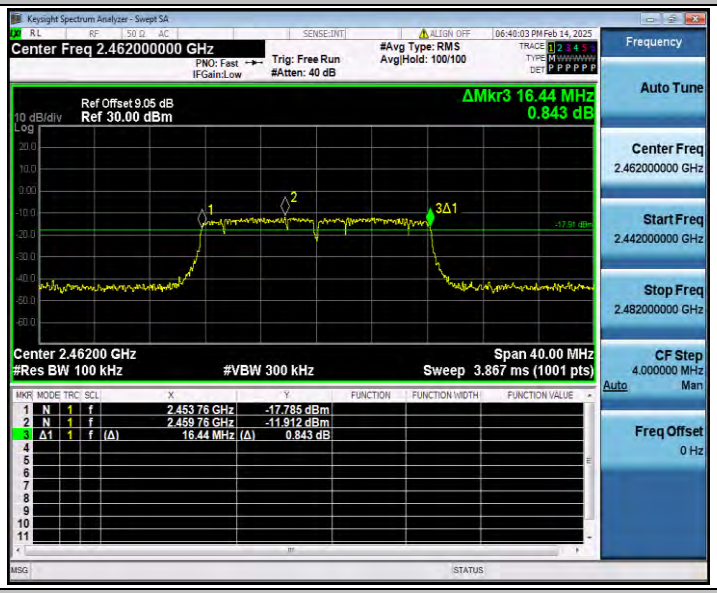
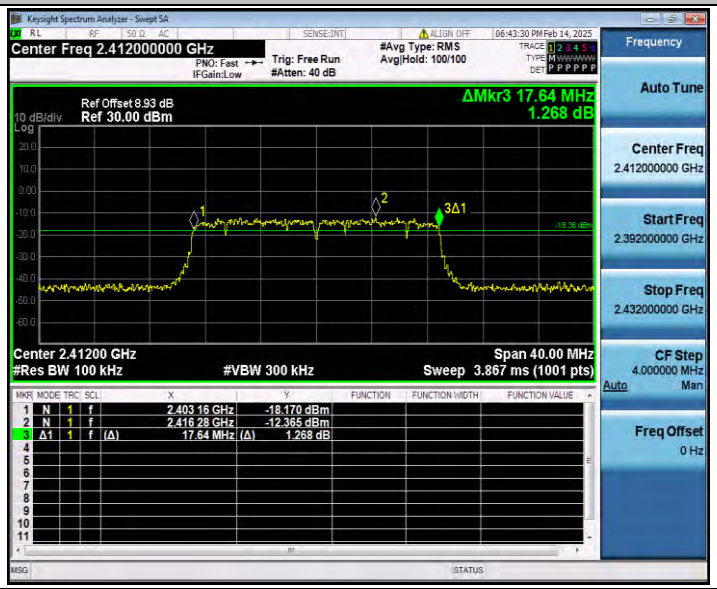


11N20SISO_Ant2_2412



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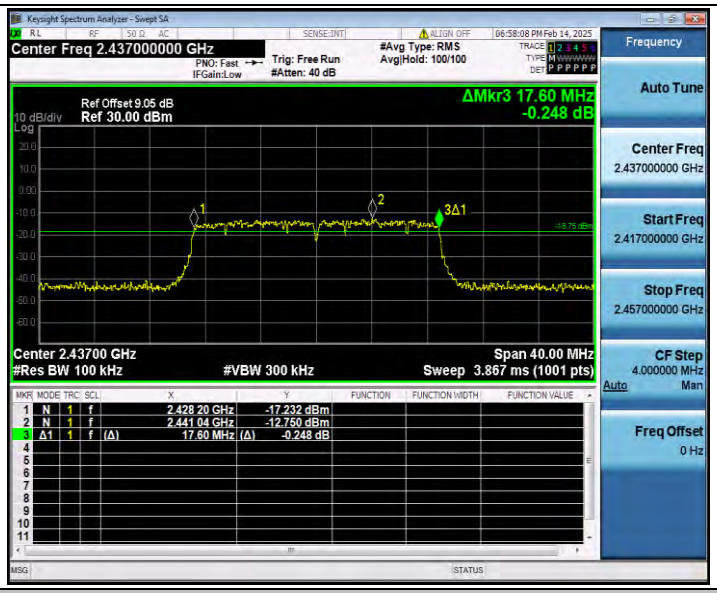

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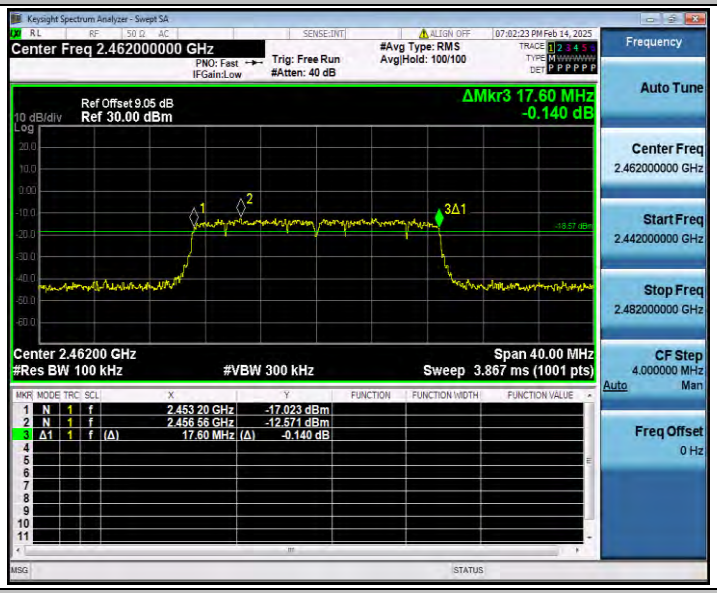

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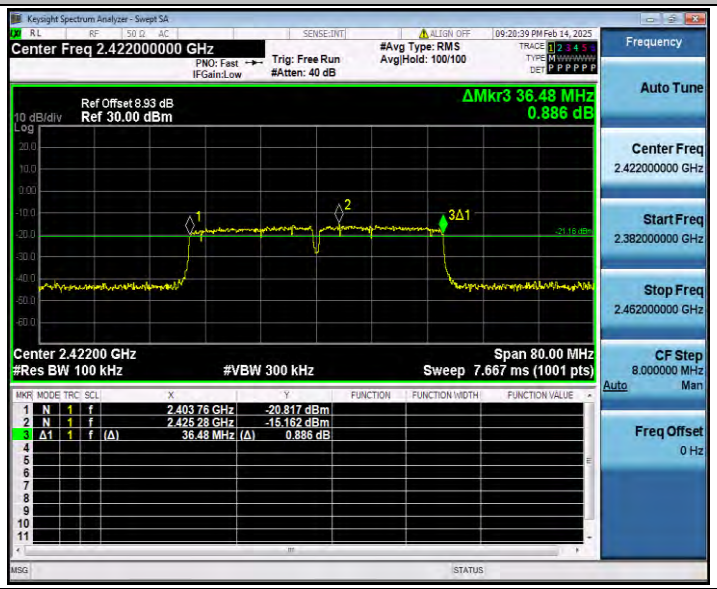

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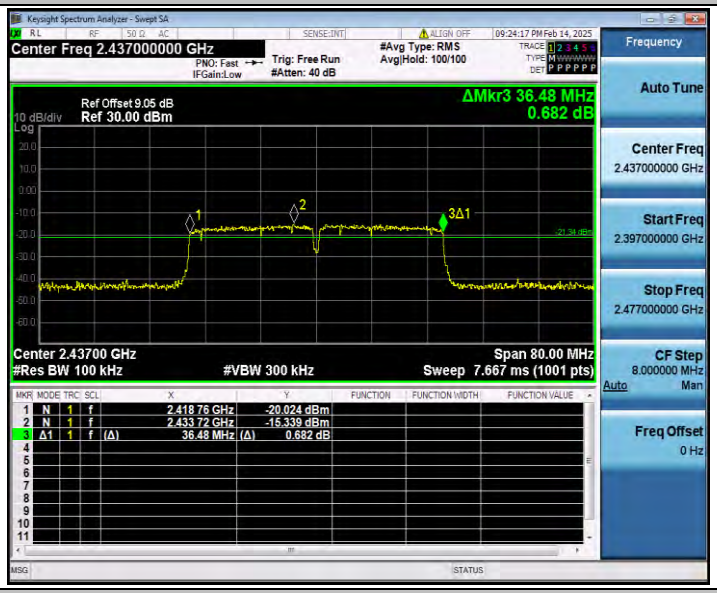
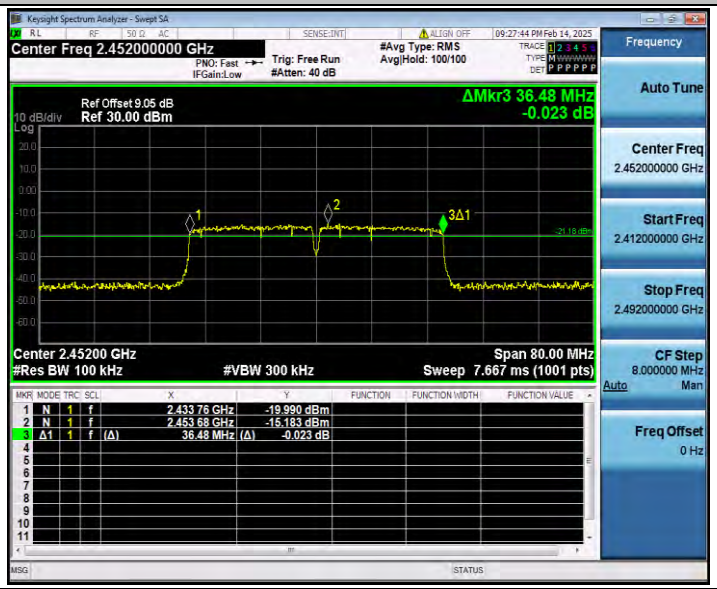
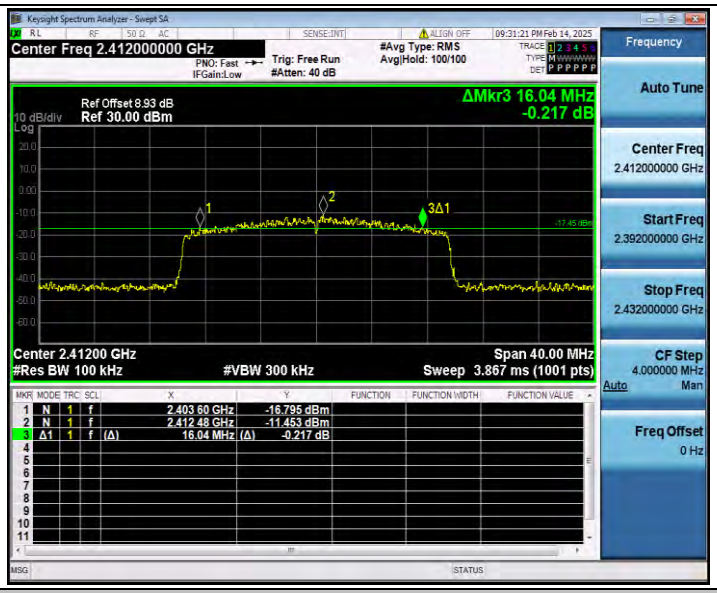


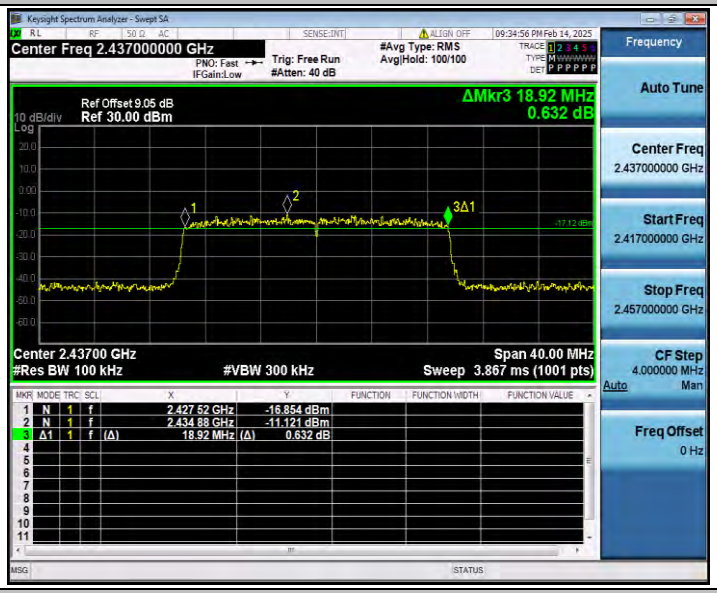
11N40SISO_Ant2_2452



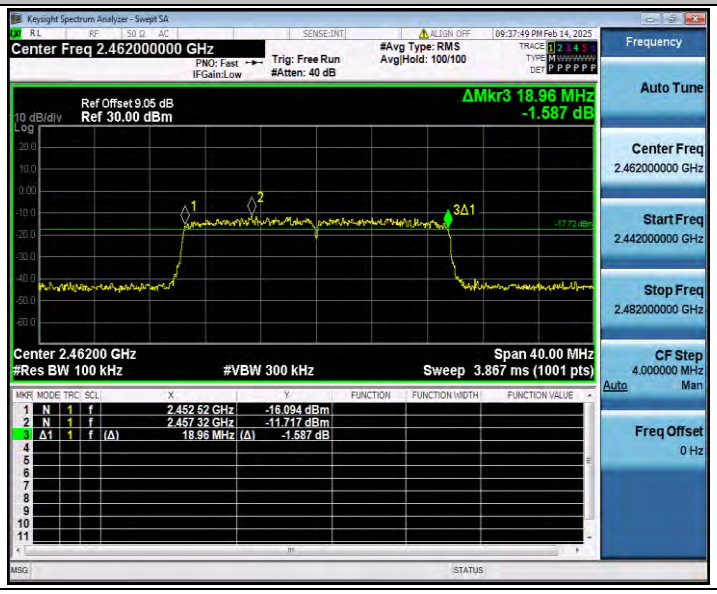
11AX20SISO_Ant2_2412



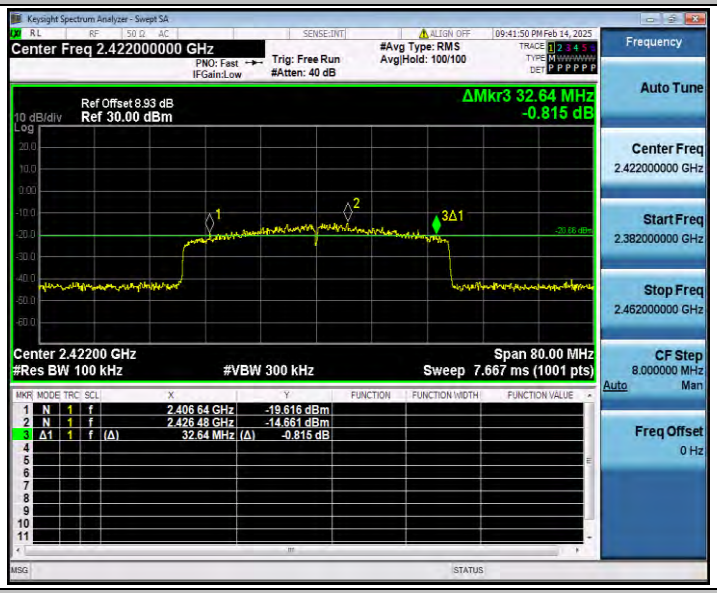
11AX20SISO_Ant2_2437



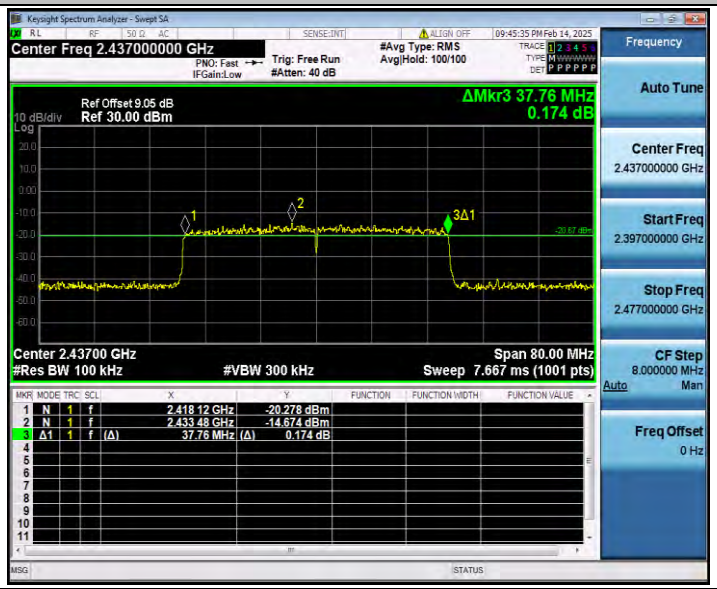
11AX20SISO_Ant2_2462



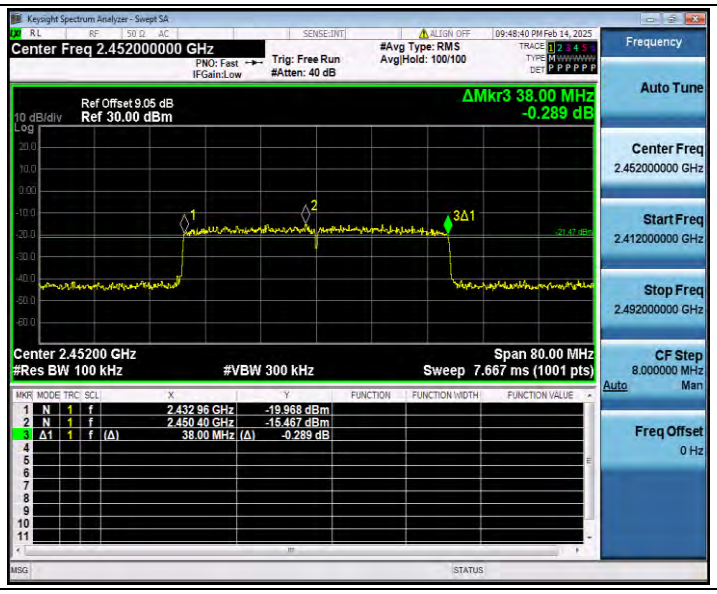
11AX40SISO_Ant2_2422



11AX40SISO_Ant2_2437



11AX40SISO_Ant2_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
09:48:40 PM Feb 14, 2025
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 38.00 MHz
-0.289 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 2.432 96 GHz -19.968 dBm
2 N 1 f 2.450 40 GHz -15.467 dBm
3 Δ1 1 f (Δ) 38.00 MHz (Δ) -0.289 dB

Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	15.385	2404.3040	2419.6890	---	---
		2437	15.201	2429.4320	2444.6330	---	---
		2462	15.180	2454.3965	2469.5765	---	---
11G	Ant2	2412	16.599	2403.7141	2420.3131	---	---
		2437	16.558	2428.7146	2445.2726	---	---
		2462	16.542	2453.7148	2470.2568	---	---
11N20SISO	Ant2	2412	17.628	2403.1897	2420.8177	---	---
		2437	17.619	2428.2018	2445.8208	---	---
		2462	17.617	2453.1959	2470.8129	---	---
11N40SISO	Ant2	2422	36.343	2403.8919	2440.2349	---	---
		2437	36.266	2418.9023	2455.1683	---	---
		2452	36.280	2433.8508	2470.1308	---	---
11AX20SISO	Ant2	2412	18.656	2402.6692	2421.3252	---	---
		2437	18.952	2427.5179	2446.4699	---	---
		2462	19.008	2452.4877	2471.4957	---	---
11AX40SISO	Ant2	2422	37.407	2403.3783	2440.7853	---	---
		2437	38.000	2418.0336	2456.0336	---	---
		2452	37.888	2433.0730	2470.9610	---	---

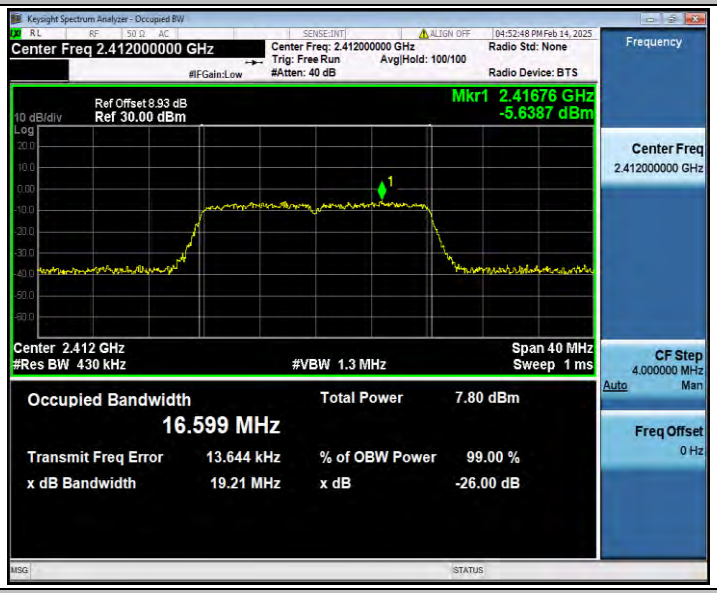
Test Graphs

11B_Ant2_2412

11B_Ant2_2437

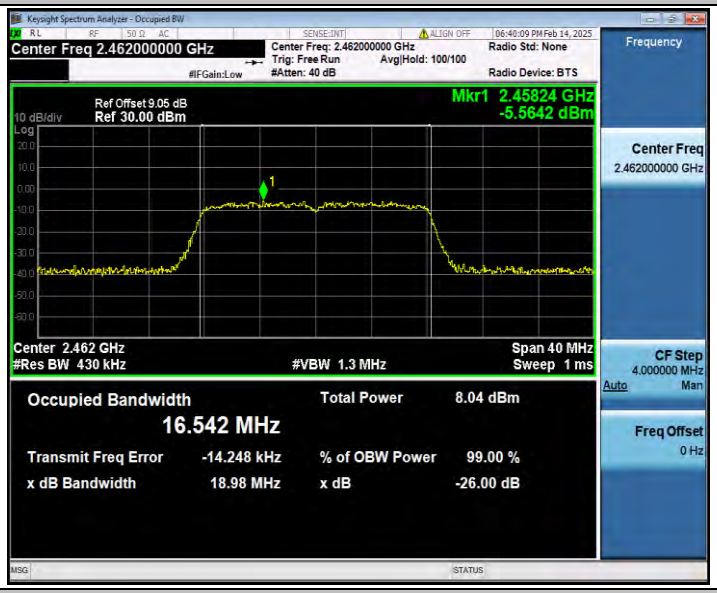
11B_Ant2_2462

11G_Ant2_2412

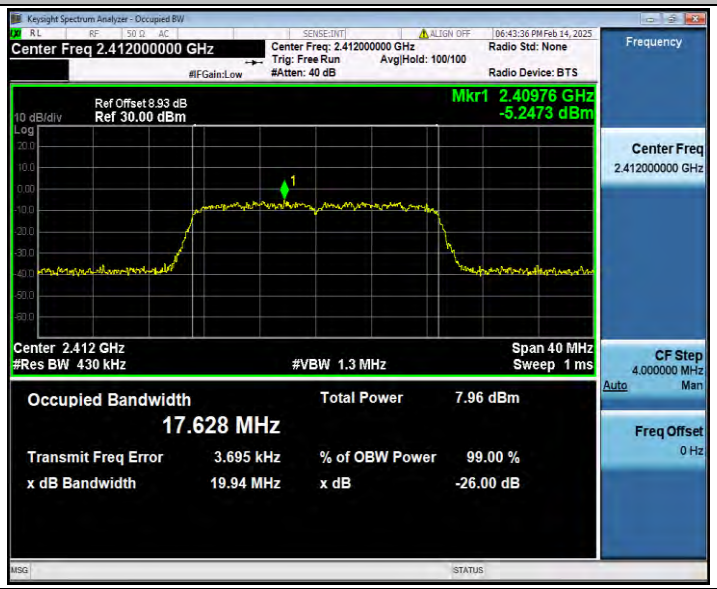


11G_Ant2_2437

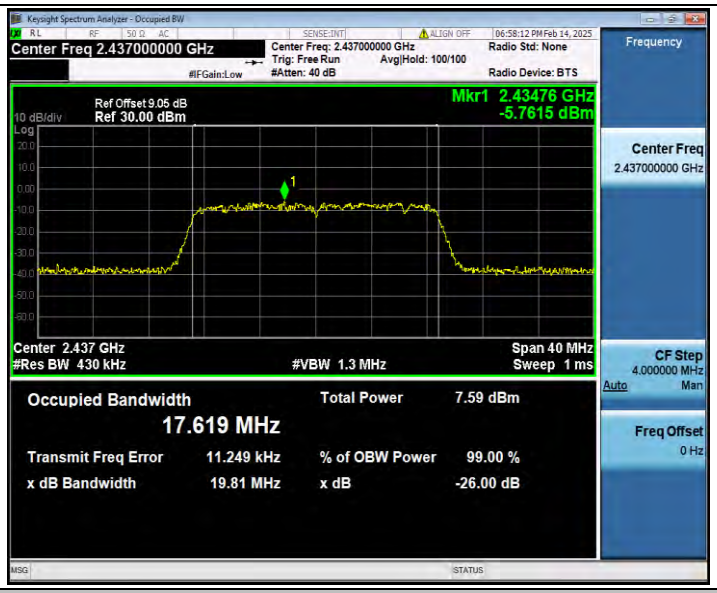
11G_Ant2_2462



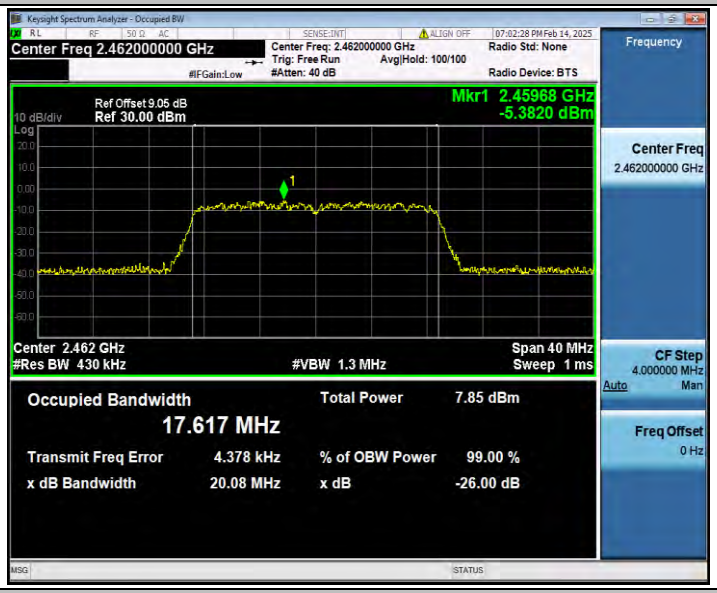
11N20SISO_Ant2_2412



11N20SISO_Ant2_2437

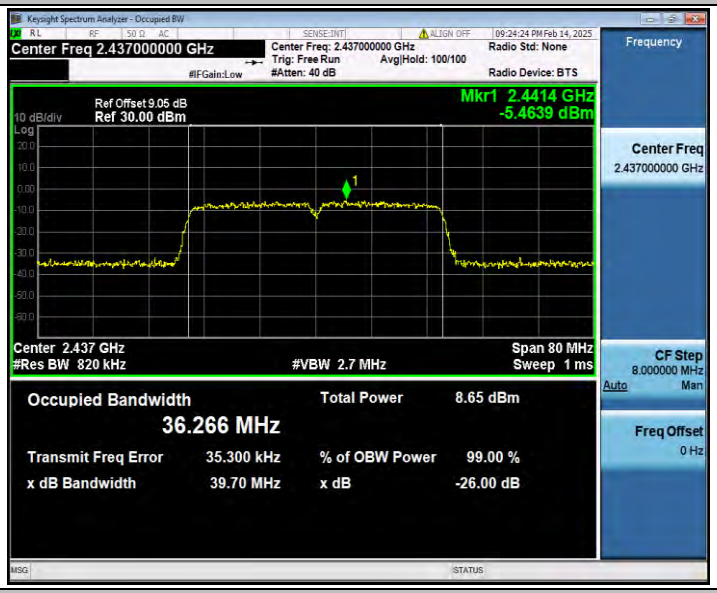


11N20SISO_Ant2_2462



11N40SISO_Ant2_2422

11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

11AX20SISO_Ant2_2412

11AX20SISO_Ant2_2437

11AX20SISO_Ant2_2462

11AX40SISO_Ant2_2422

11AX40SISO_Ant2_2437

11AX40SISO_Ant2_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 2.44224 GHz
-4.6131 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
37.888 MHz
Total Power 8.71 dBm
Transmit Freq Error 17.035 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.21 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	Ant2	2412	8.69	≤30.00	PASS
		2437	8.28	≤30.00	PASS
		2462	8.57	≤30.00	PASS
11G	Ant2	2412	8.87	≤30.00	PASS
		2437	8.83	≤30.00	PASS
		2462	8.25	≤30.00	PASS
11N20SISO	Ant2	2412	8.93	≤30.00	PASS
		2437	8.48	≤30.00	PASS
		2462	8.90	≤30.00	PASS
11N40SISO	Ant2	2422	8.49	≤30.00	PASS
		2437	8.93	≤30.00	PASS
		2452	8.93	≤30.00	PASS
11AX20SISO	Ant2	2412	8.40	≤30.00	PASS
		2437	8.64	≤30.00	PASS
		2462	8.45	≤30.00	PASS
11AX40SISO	Ant2	2422	7.94	≤30.00	PASS
		2437	8.69	≤30.00	PASS
		2452	8.76	≤30.00	PASS

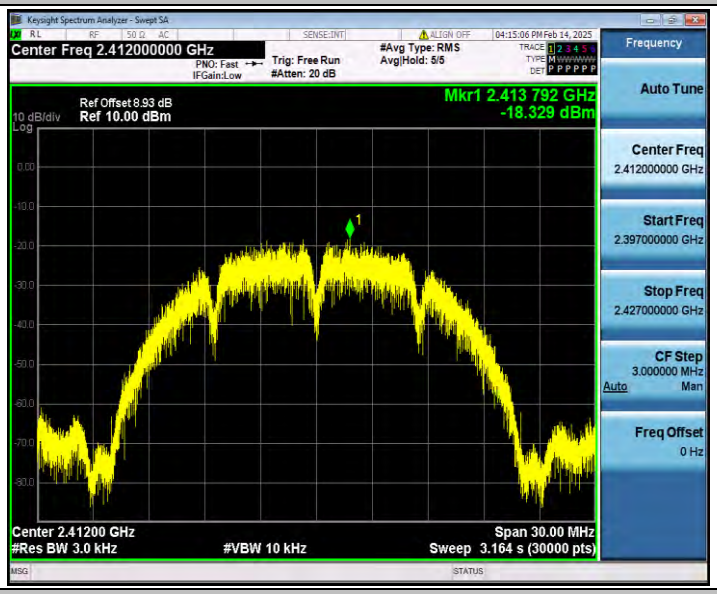
Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-18.33	≤8.00	PASS
		2437	-18.82	≤8.00	PASS
		2462	-18.85	≤8.00	PASS
11G	Ant2	2412	-15.64	≤8.00	PASS
		2437	-15.66	≤8.00	PASS
		2462	-15.36	≤8.00	PASS
11N20SISO	Ant2	2412	-15.88	≤8.00	PASS
		2437	-16.22	≤8.00	PASS
		2462	-15.93	≤8.00	PASS
11N40SISO	Ant2	2422	-19.03	≤8.00	PASS
		2437	-18.60	≤8.00	PASS
		2452	-18.96	≤8.00	PASS
11AX20SISO	Ant2	2412	-21.99	≤8.00	PASS
		2437	-21.35	≤8.00	PASS
		2462	-21.35	≤8.00	PASS
11AX40SISO	Ant2	2422	-24.76	≤8.00	PASS
		2437	-24.69	≤8.00	PASS
		2452	-25.54	≤8.00	PASS

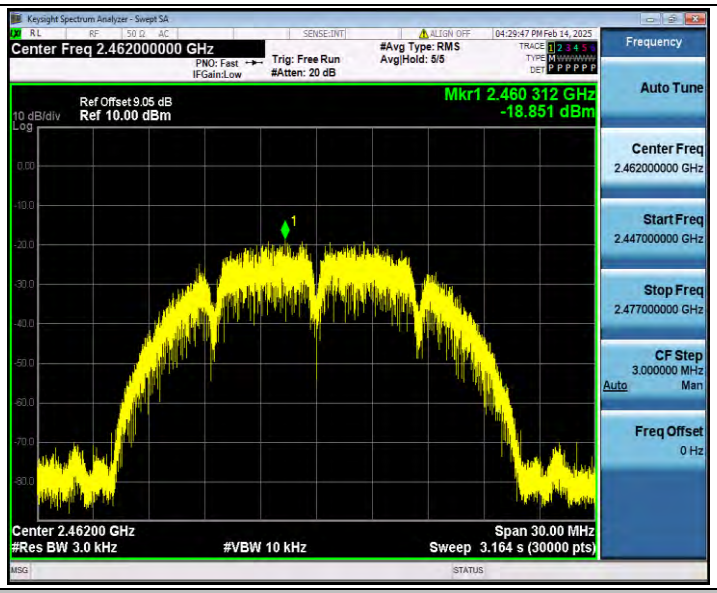
Test Graphs

11B_Ant2_2412

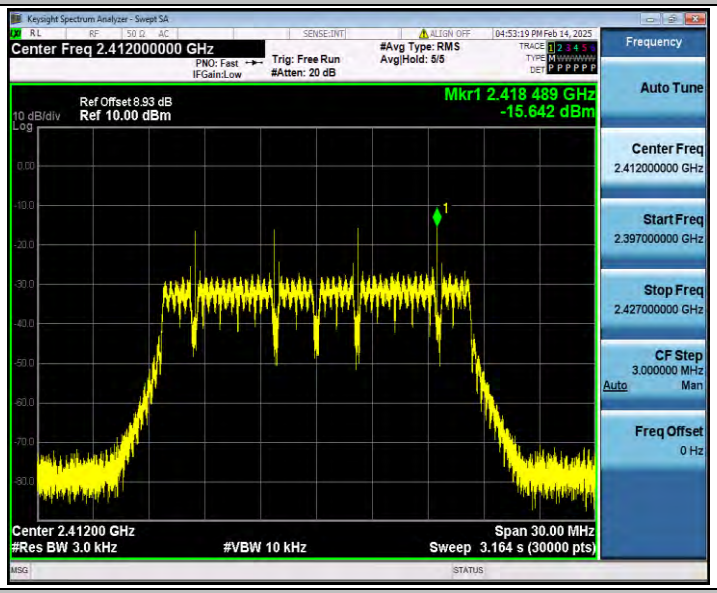


11B_Ant2_2437

11B_Ant2_2462



11G_Ant2_2412



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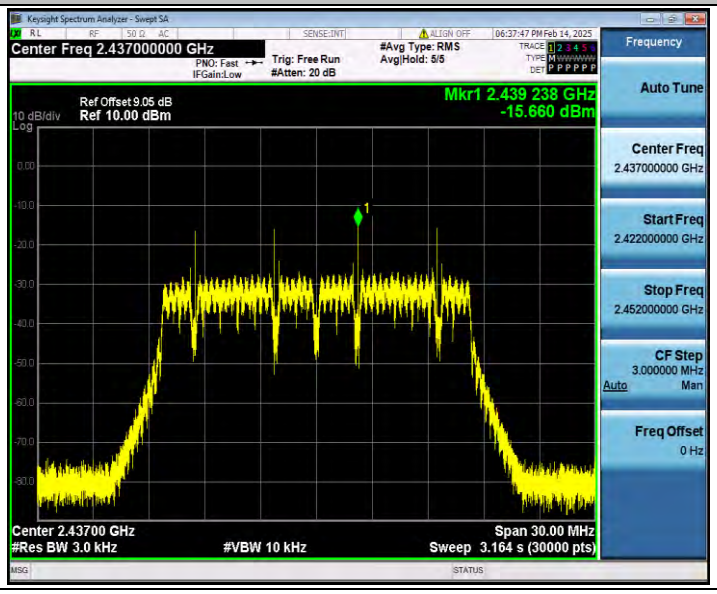

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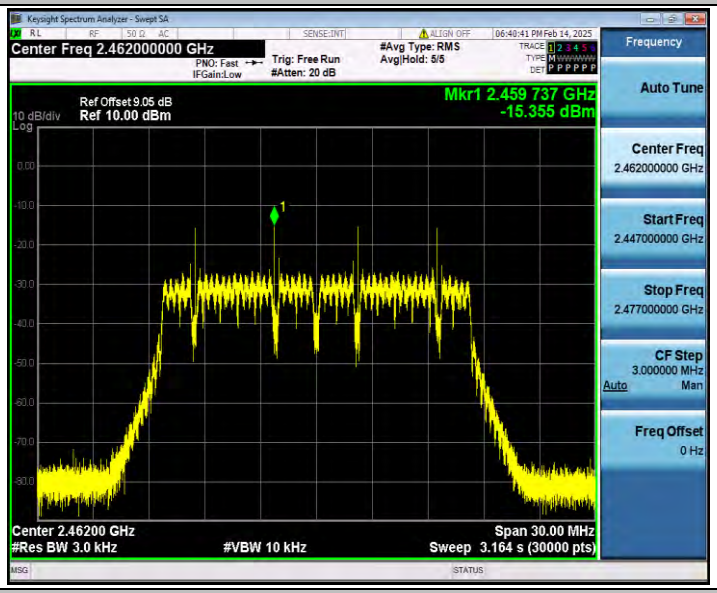

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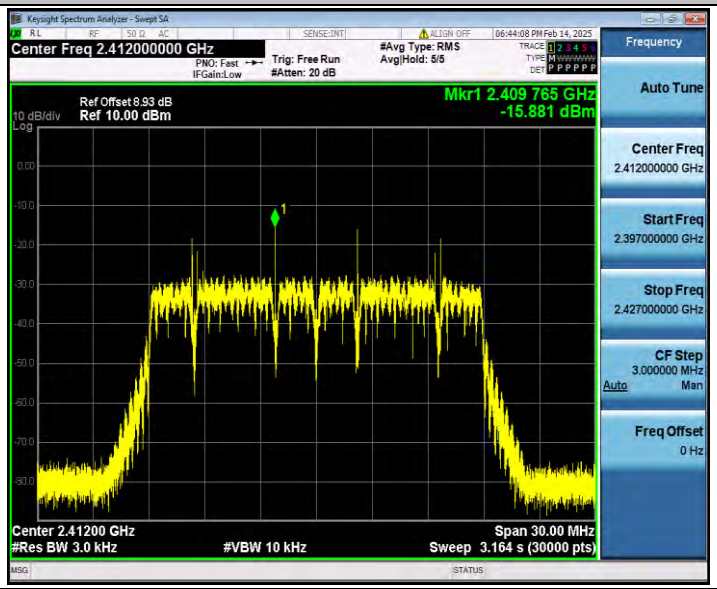

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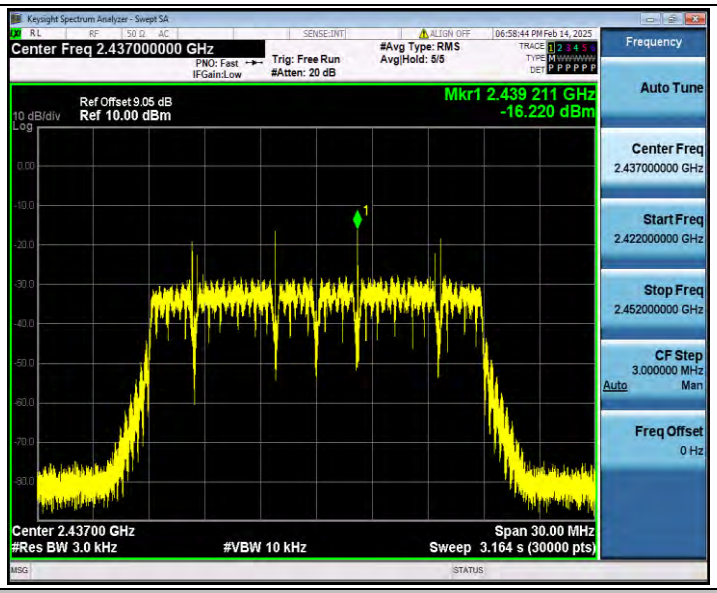

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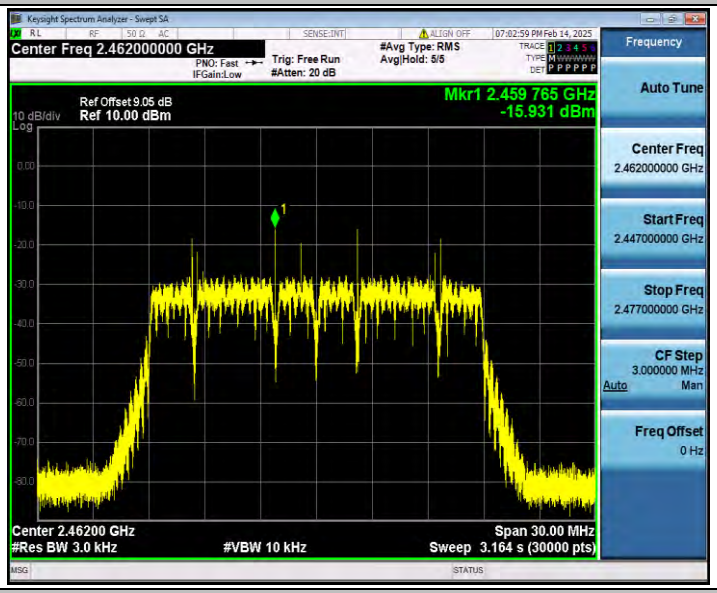

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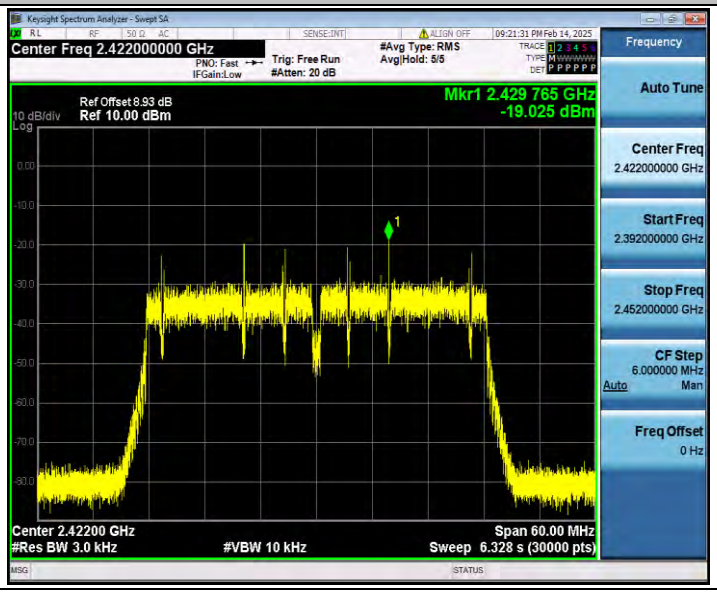

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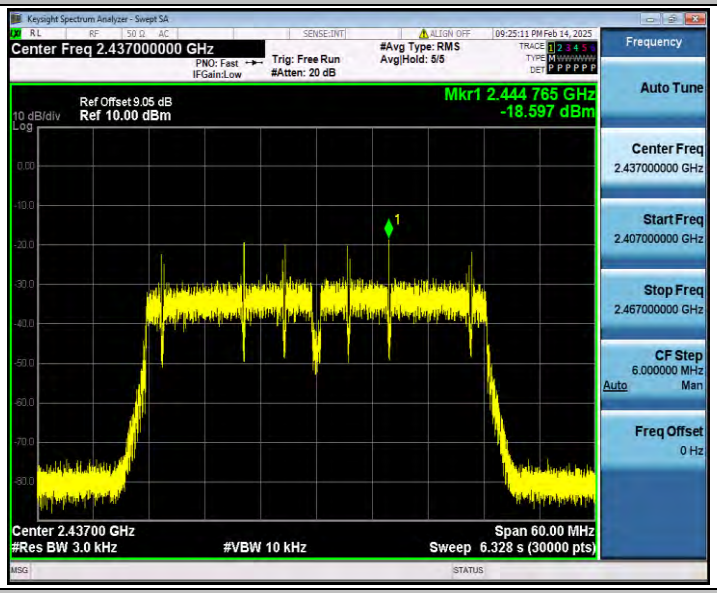

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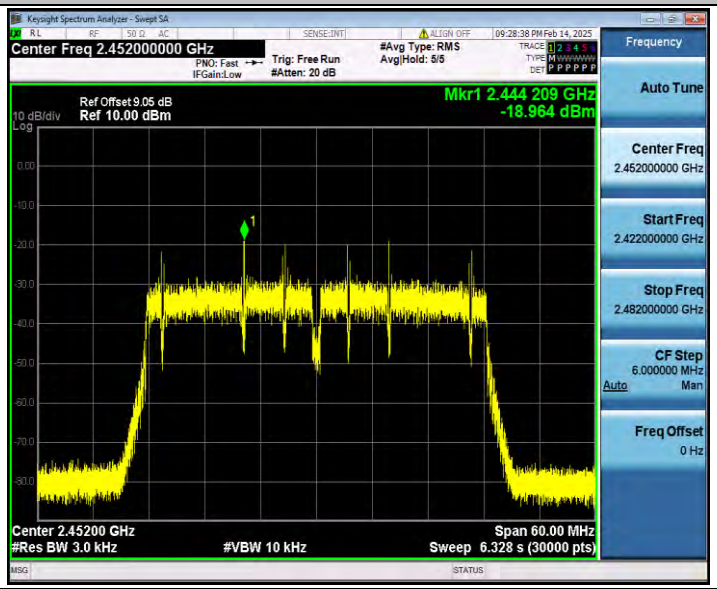
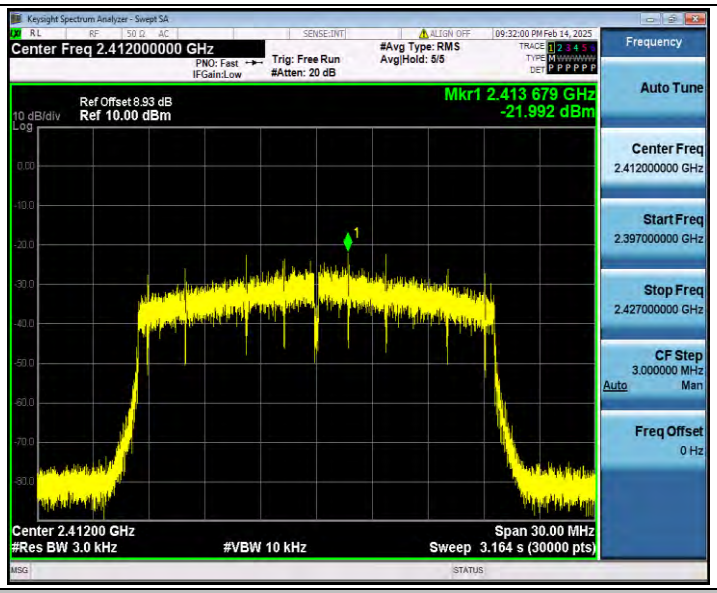
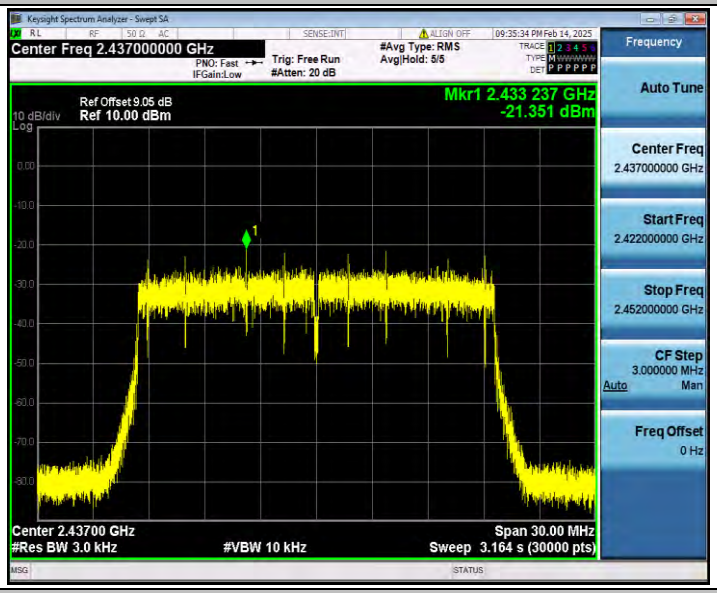


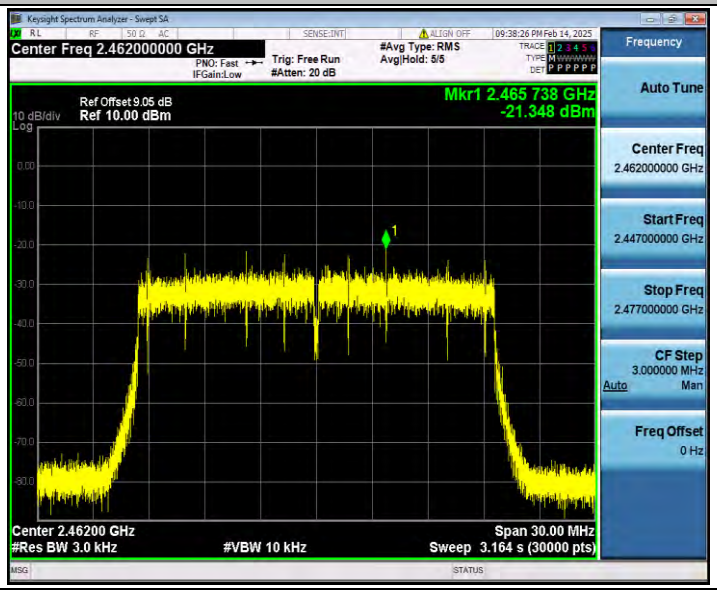
11AX20SISO_Ant2_2412



11AX20SISO_Ant2_2437



11AX20SISO_Ant2_2462



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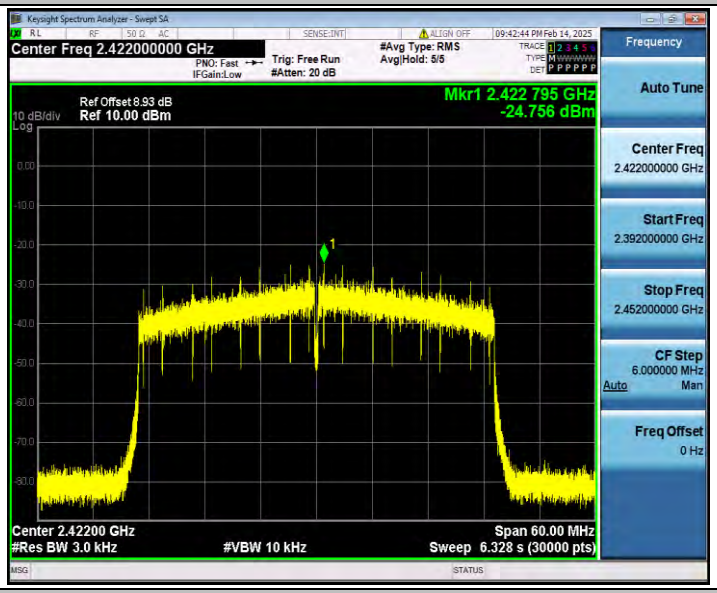

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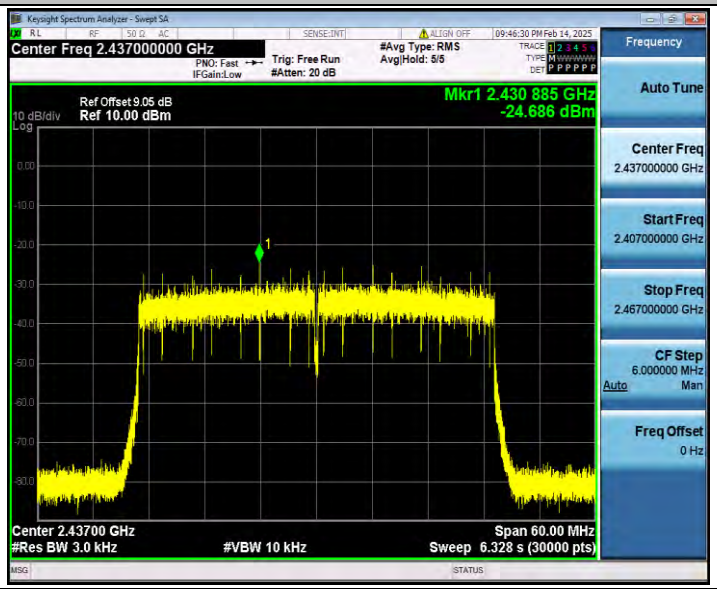
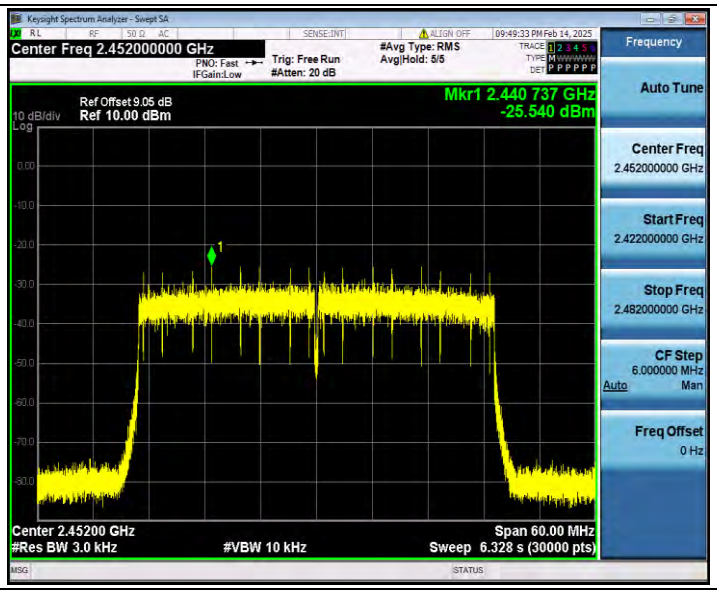


11AX40SISO_Ant2_2452


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
09:49:33 PM Feb 14, 2025
Frequency
Auto Tune
Ref Offset 9.05 dB
10 dB/div
Ref 10.00 dBm
Log
Mkr1 2.440 737 GHz
-25.540 dBm
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
Center 2.45200 GHz
#Res BW 3.0 kHz
#VBW 10 kHz
Span 60.00 MHz
Sweep 6.328 s (30000 pts)