Case No. : GTS20250326027-1-03	
Ambient Condition: 22 ℃, 51 %RH,	
Test Date: 2025.4.18-2025.6.22	**Test Engineer:** Evan ouyang

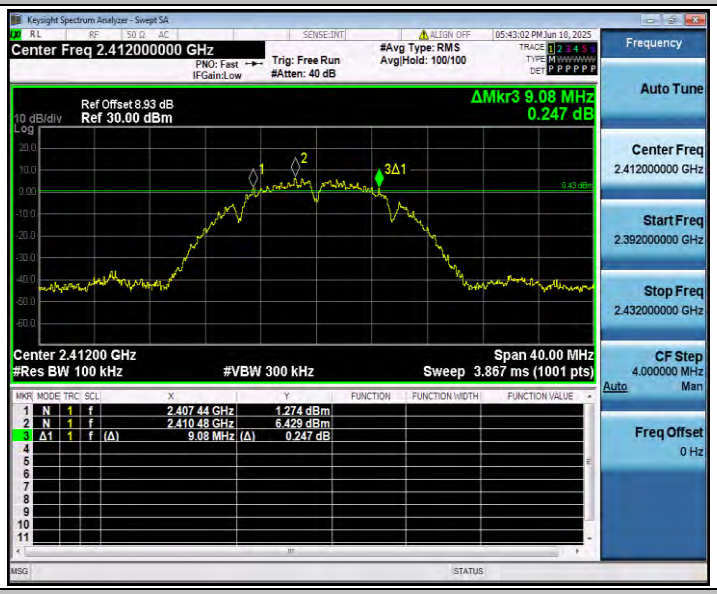
Appendix C.1: DTS Bandwidth

Test Result

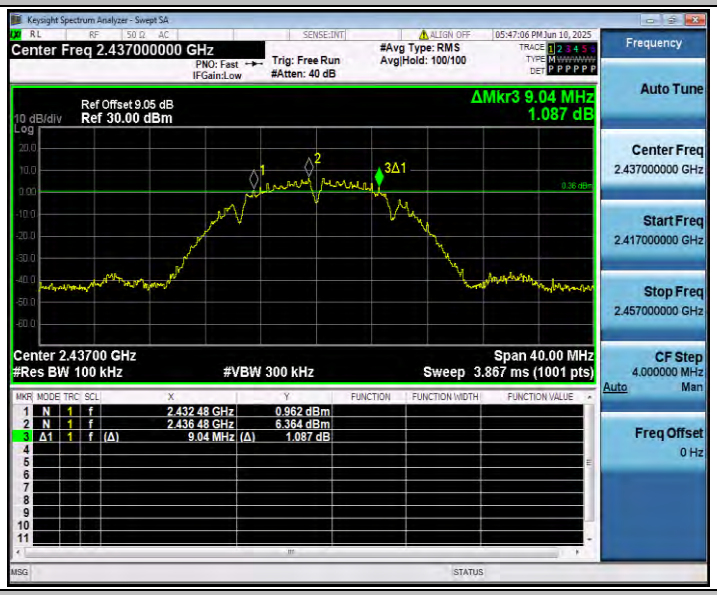
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.440	2416.520	0.5	PASS
		2437	9.040	2432.480	2441.520	0.5	PASS
		2462	9.040	2457.960	2467.000	0.5	PASS
11G	Ant1	2412	16.280	2403.840	2420.120	0.5	PASS
		2437	16.320	2428.800	2445.120	0.5	PASS
		2462	16.040	2454.080	2470.120	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.200	2420.480	0.5	PASS
		2437	17.280	2428.480	2445.760	0.5	PASS
		2462	16.640	2453.840	2470.480	0.5	PASS
11N40SISO	Ant1	2422	35.680	2403.840	2439.520	0.5	PASS
		2437	35.280	2419.480	2454.760	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS
11AX20SISO	Ant1	2412	17.560	2402.600	2420.160	0.5	PASS
		2437	18.720	2427.680	2446.400	0.5	PASS
		2462	17.480	2453.600	2471.080	0.5	PASS
11AX40SISO	Ant1	2422	37.040	2403.520	2440.560	0.5	PASS
		2437	37.440	2418.040	2455.480	0.5	PASS
		2452	35.440	2434.240	2469.680	0.5	PASS

Test Graphs

11B_Ant1_2412



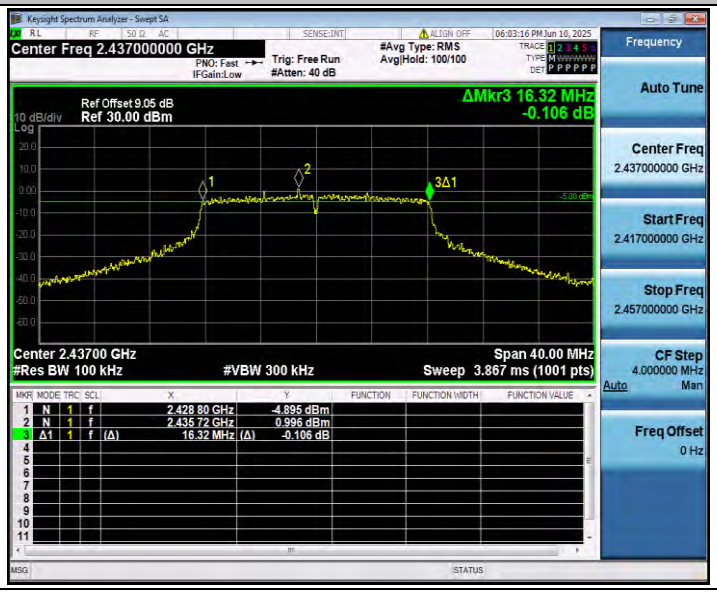
11B_Ant1_2437



11B_Ant1_2462

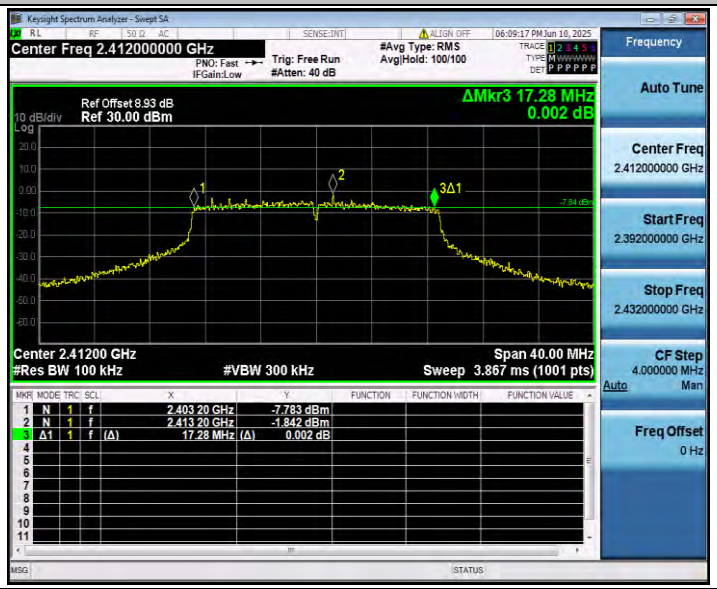
11G_Ant1_2412

11G_Ant1_2437

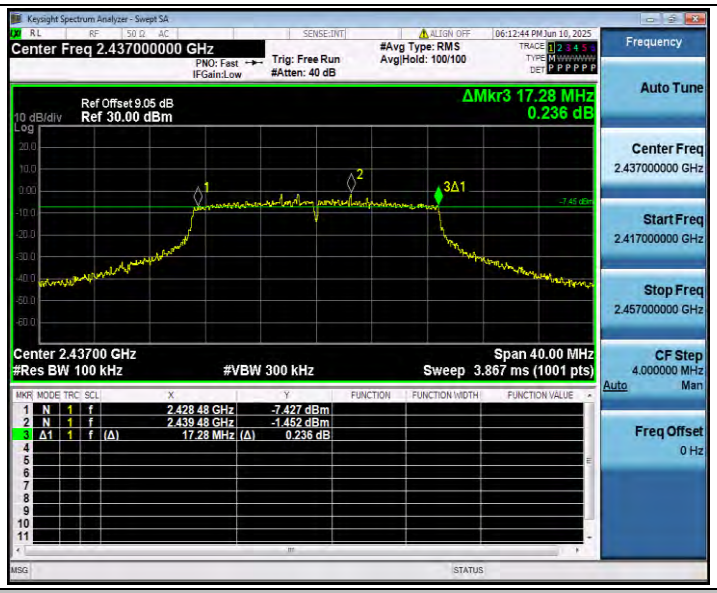


11G_Ant1_2462

11N20SISO_Ant1_2412

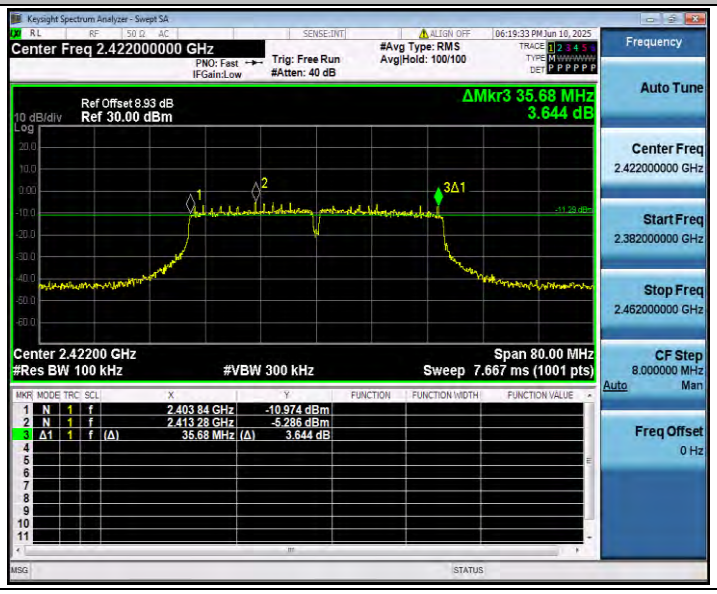


11N20SISO_Ant1_2437

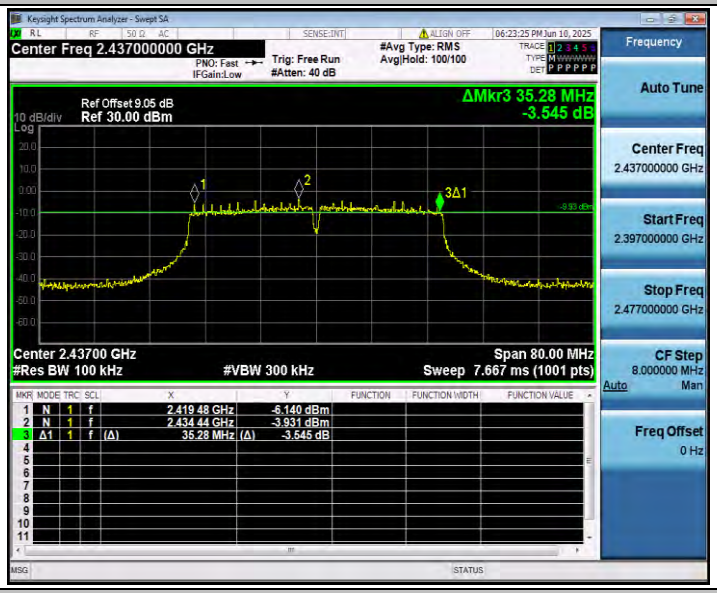


11N20SISO_Ant1_2462

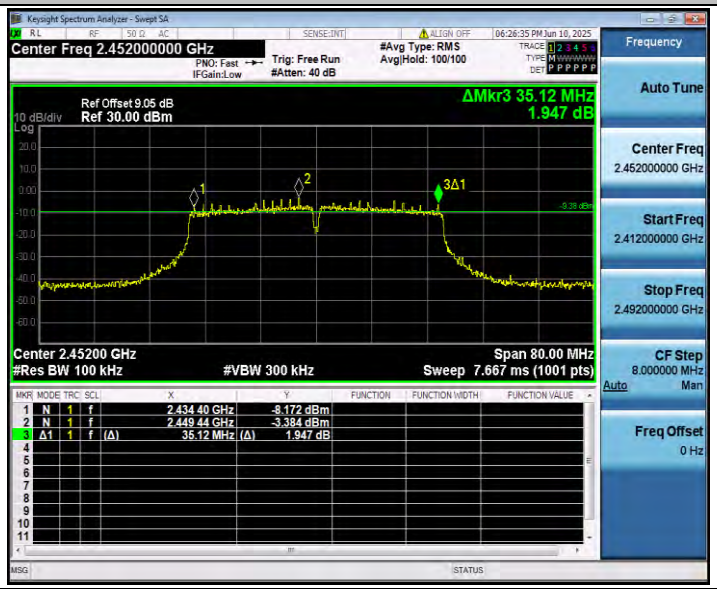
11N40SISO_Ant1_2422



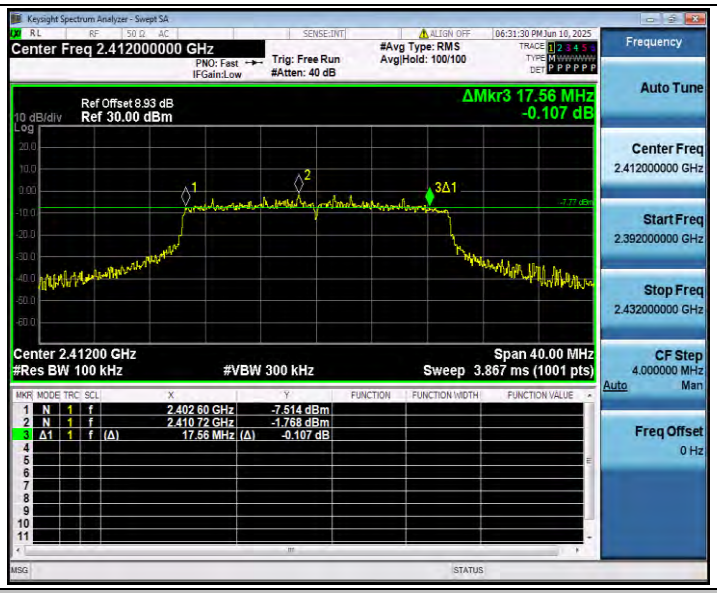
11N40SISO_Ant1_2437



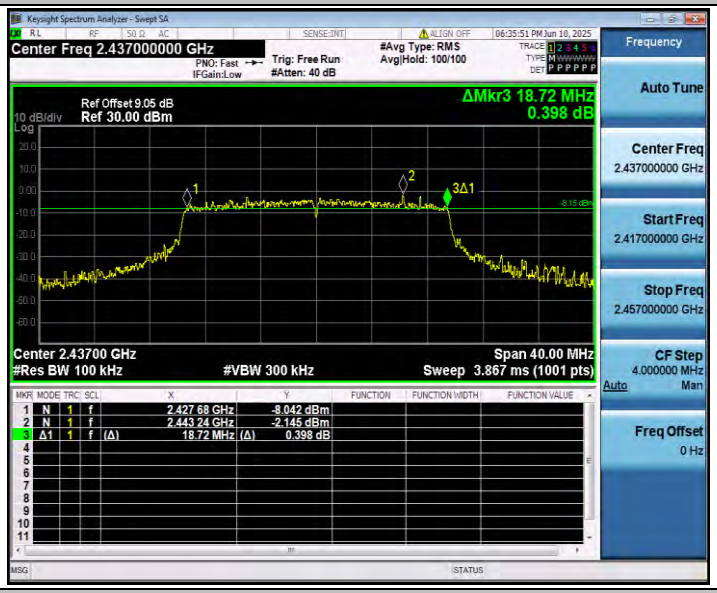
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412

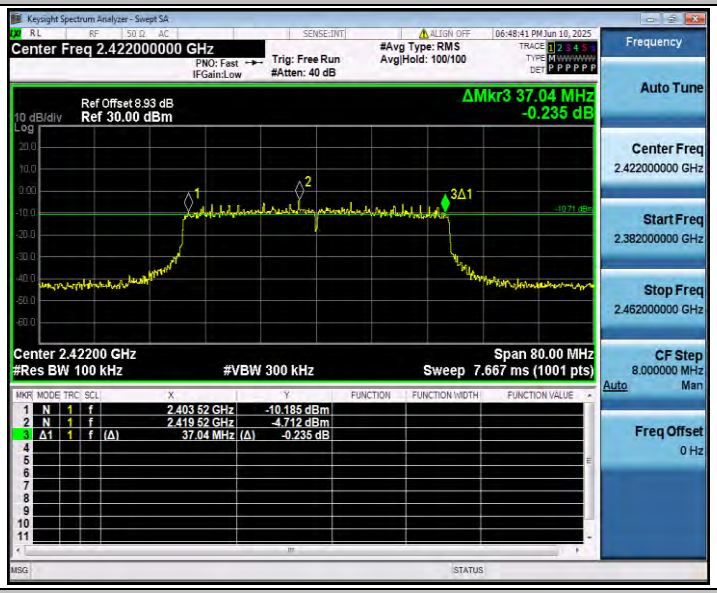


11AX20SISO_Ant1_2437

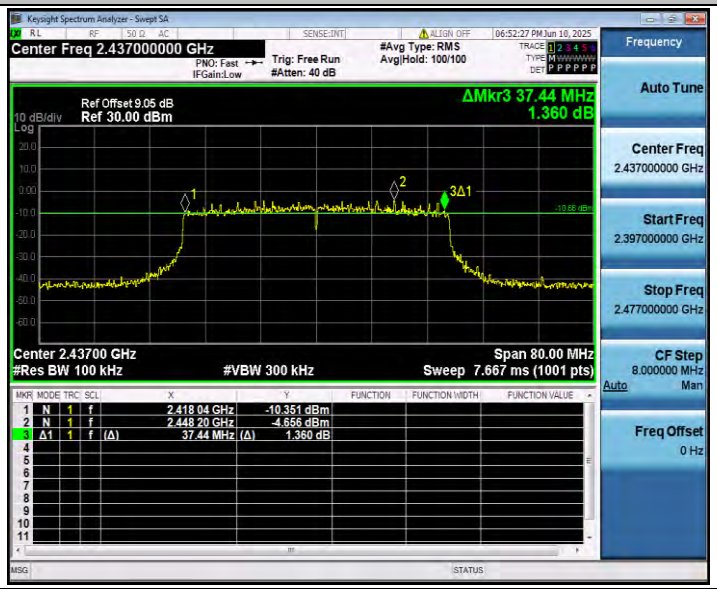


11AX20SISO_Ant1_2462

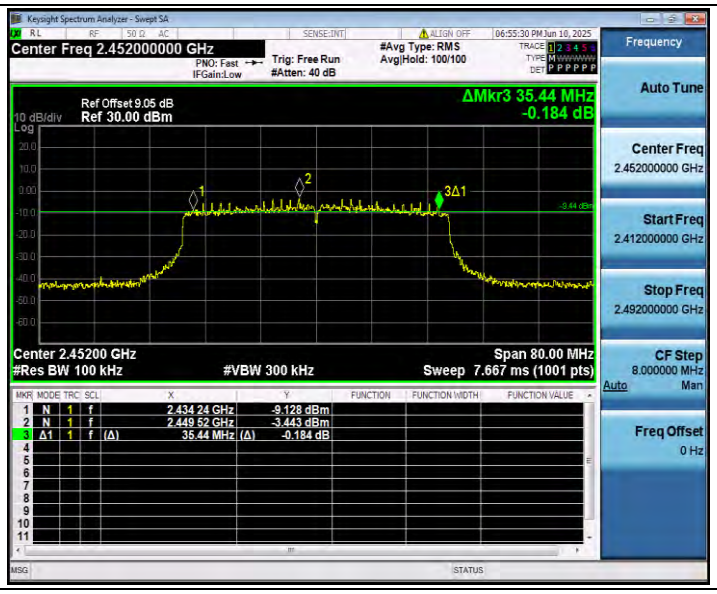
11AX40SISO_Ant1_2422



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
06:55:30 PM Jun 10, 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 35.44 MHz
-0.184 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 2.434 24 GHz -9.128 dBm
2 N 1 f 2.449 52 GHz -3.443 dBm
3 Δ1 1 f (Δ) 35.44 MHz (Δ) -0.184 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	13.266	2405.3617	2418.6277	---	---
		2437	13.292	2430.4246	2443.7166	---	---
		2462	13.484	2455.3300	2468.8140	---	---
11G	Ant1	2412	17.342	2403.2402	2420.5822	---	---
		2437	17.415	2428.2836	2445.6986	---	---
		2462	17.329	2453.3127	2470.6417	---	---
11N20SISO	Ant1	2412	18.437	2402.6875	2421.1245	---	---
		2437	18.528	2427.7342	2446.2622	---	---
		2462	18.439	2452.7813	2471.2203	---	---
11N40SISO	Ant1	2422	36.967	2403.4377	2440.4047	---	---
		2437	36.804	2418.6308	2455.4348	---	---
		2452	36.641	2433.7069	2470.3479	---	---
11AX20SISO	Ant1	2412	19.240	2402.4095	2421.6495	---	---
		2437	19.337	2427.3328	2446.6698	---	---
		2462	19.248	2452.3862	2471.6342	---	---
11AX40SISO	Ant1	2422	37.999	2402.9883	2440.9873	---	---
		2437	38.057	2417.9281	2455.9851	---	---
		2452	38.102	2432.9086	2471.0106	---	---

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

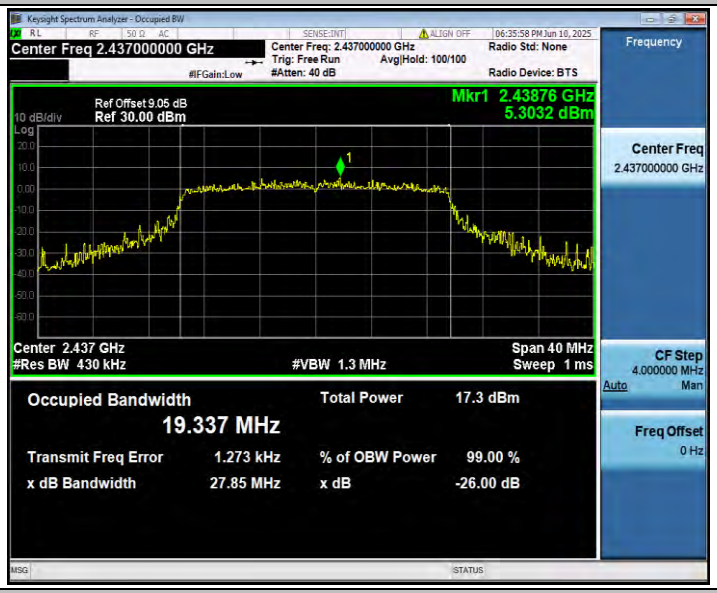
11N40SISO_Ant1_2422

11N40SISO_Ant1_2437

11N40SISO_Ant1_2452

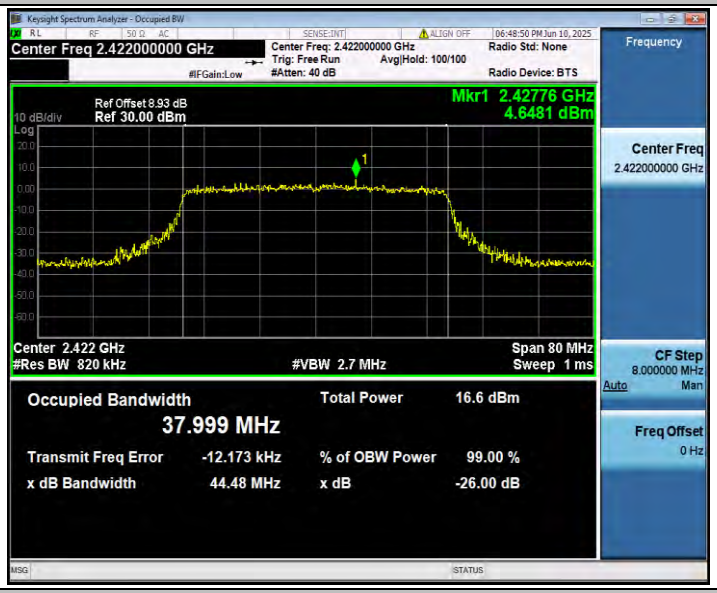
11AX20SISO_Ant1_2412

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 2.46032 GHz
4.9167 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
38.102 MHz
Total Power 17.9 dBm
Transmit Freq Error -40.429 kHz
% of OBW Power 99.00 %
x dB Bandwidth 44.74 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	18.37	≤30.00	PASS
		2437	18.68	≤30.00	PASS
		2462	20.63	≤30.00	PASS
11G	Ant1	2412	18.66	≤30.00	PASS
		2437	19.37	≤30.00	PASS
		2462	19.60	≤30.00	PASS
11N20SISO	Ant1	2412	16.43	≤30.00	PASS
		2437	17.34	≤30.00	PASS
		2462	17.38	≤30.00	PASS
11N40SISO	Ant1	2422	16.18	≤30.00	PASS
		2437	17.34	≤30.00	PASS
		2452	17.44	≤30.00	PASS
11AX20SISO	Ant1	2412	17.01	≤30.00	PASS
		2437	18.12	≤30.00	PASS
		2462	18.00	≤30.00	PASS
11AX40SISO	Ant1	2422	16.76	≤30.00	PASS
		2437	17.78	≤30.00	PASS
		2452	17.99	≤30.00	PASS

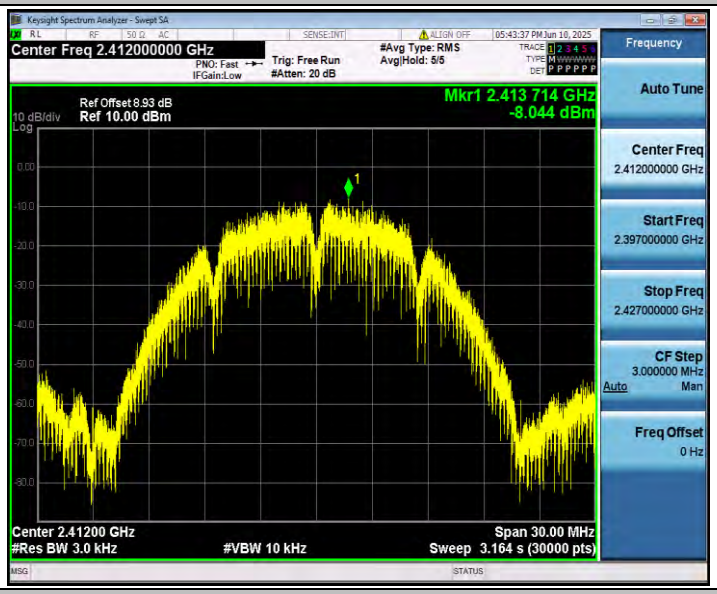
Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.04	≤8.00	PASS
		2437	-6.97	≤8.00	PASS
		2462	-5.44	≤8.00	PASS
11G	Ant1	2412	-13.97	≤8.00	PASS
		2437	-12.71	≤8.00	PASS
		2462	-13.17	≤8.00	PASS
11N20SISO	Ant1	2412	-15.95	≤8.00	PASS
		2437	-15.20	≤8.00	PASS
		2462	-14.41	≤8.00	PASS
11N40SISO	Ant1	2422	-19.05	≤8.00	PASS
		2437	-18.06	≤8.00	PASS
		2452	-17.64	≤8.00	PASS
11AX20SISO	Ant1	2412	-16.68	≤8.00	PASS
		2437	-15.60	≤8.00	PASS
		2462	-16.47	≤8.00	PASS
11AX40SISO	Ant1	2422	-20.11	≤8.00	PASS
		2437	-18.56	≤8.00	PASS
		2452	-18.32	≤8.00	PASS

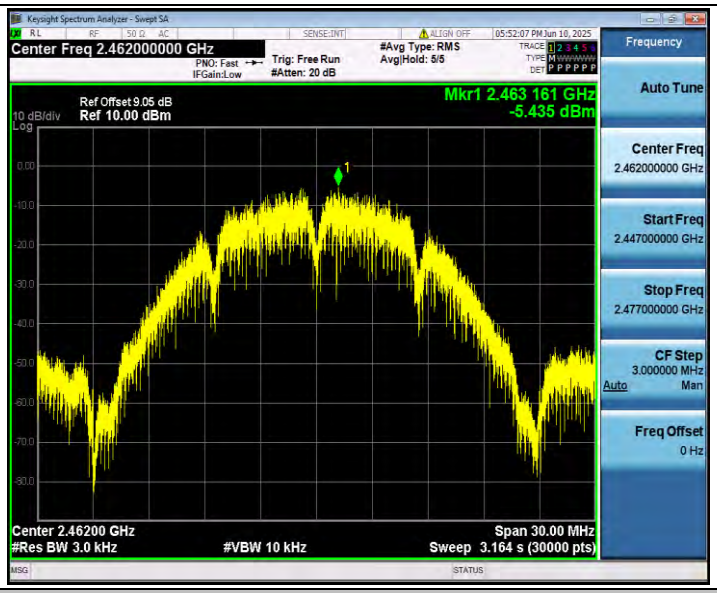
Test Graphs

11B_Ant1_2412

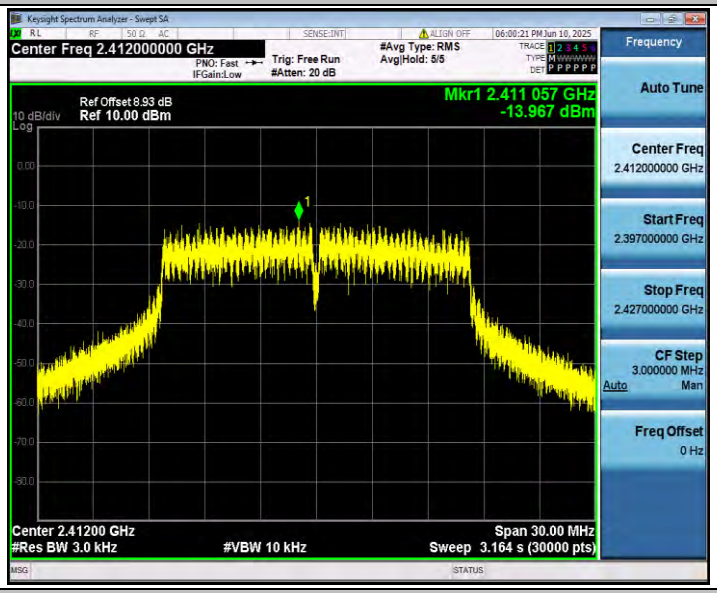


11B_Ant1_2437

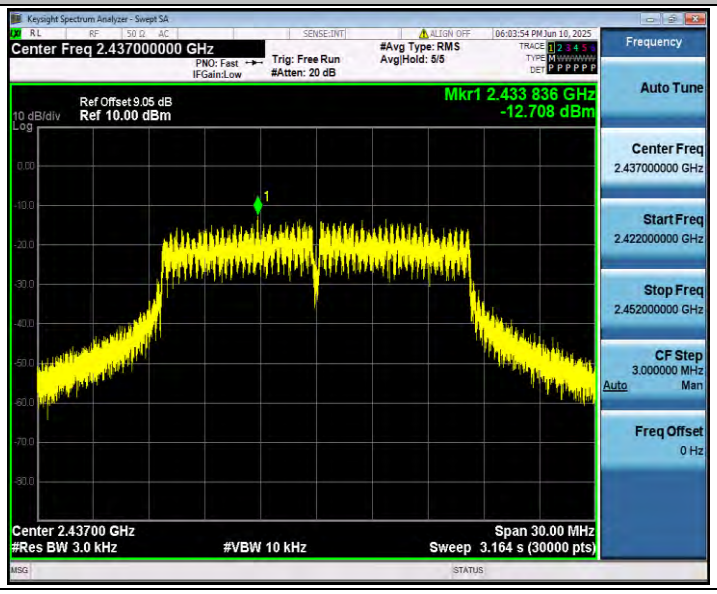
11B_Ant1_2462



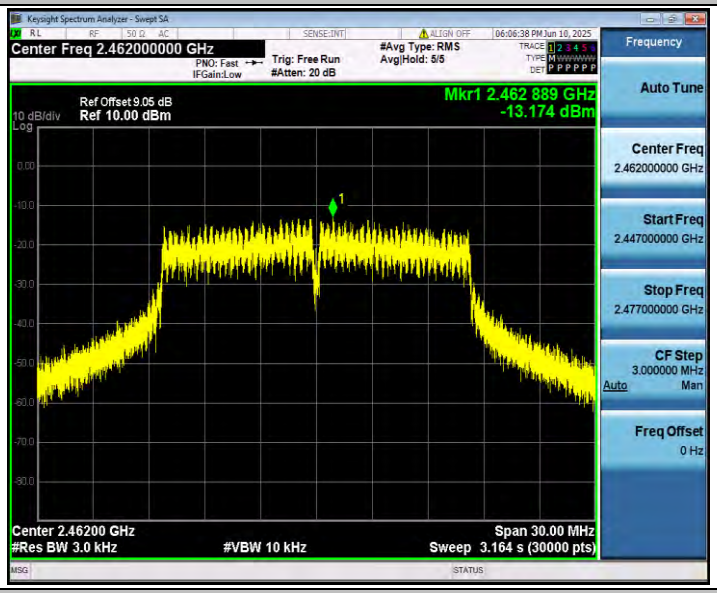
11G_Ant1_2412



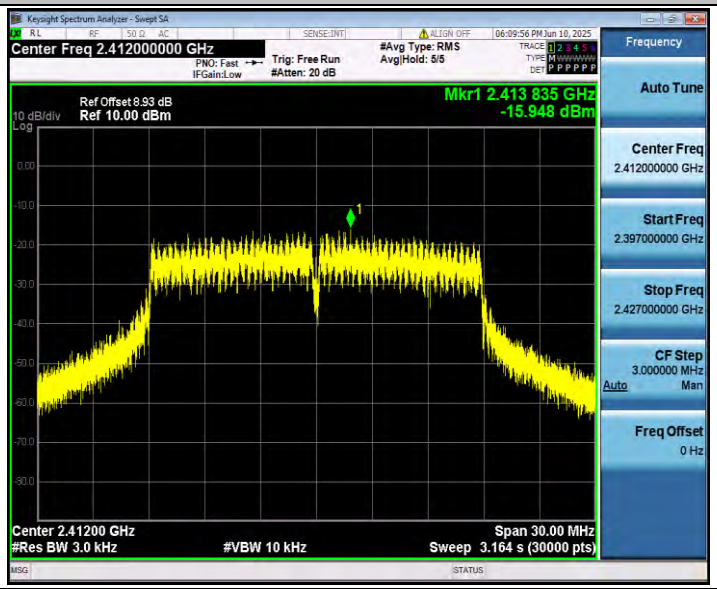
11G_Ant1_2437



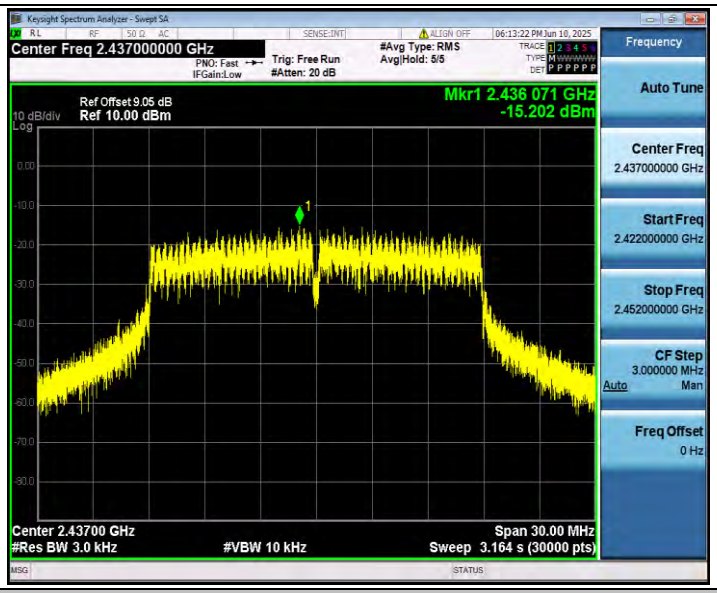
11G_Ant1_2462



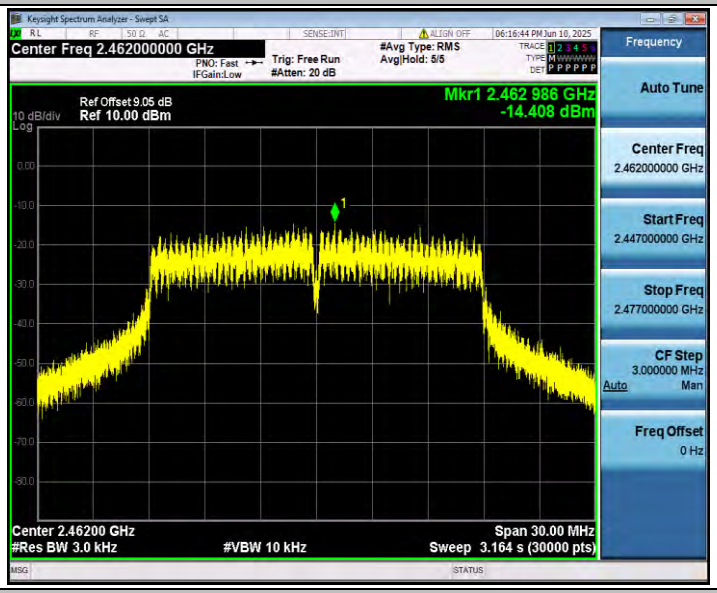
11N20SISO_Ant1_2412



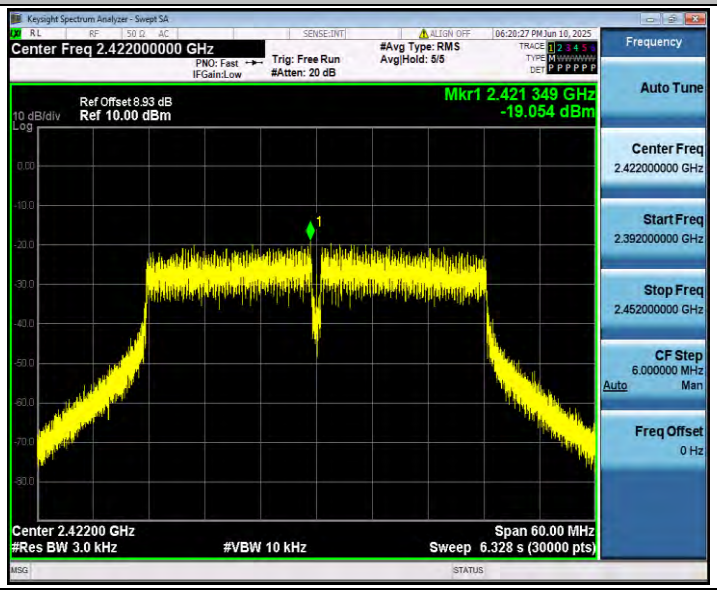
11N20SISO_Ant1_2437



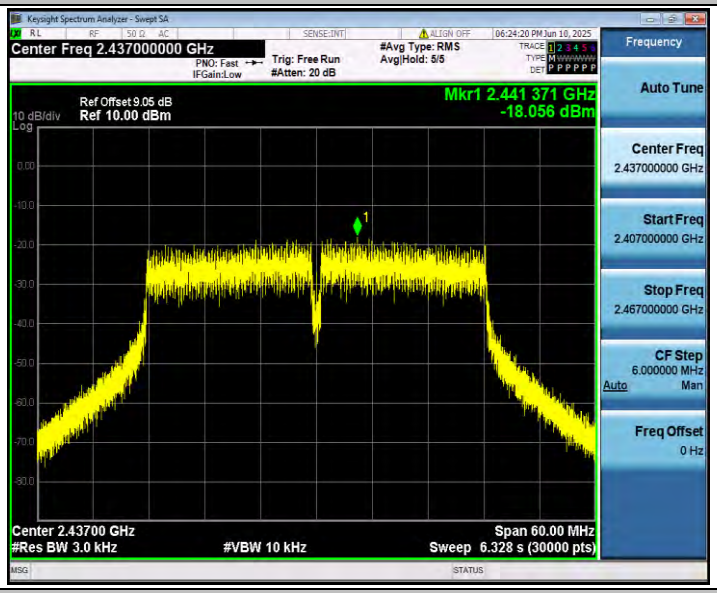
11N20SISO_Ant1_2462



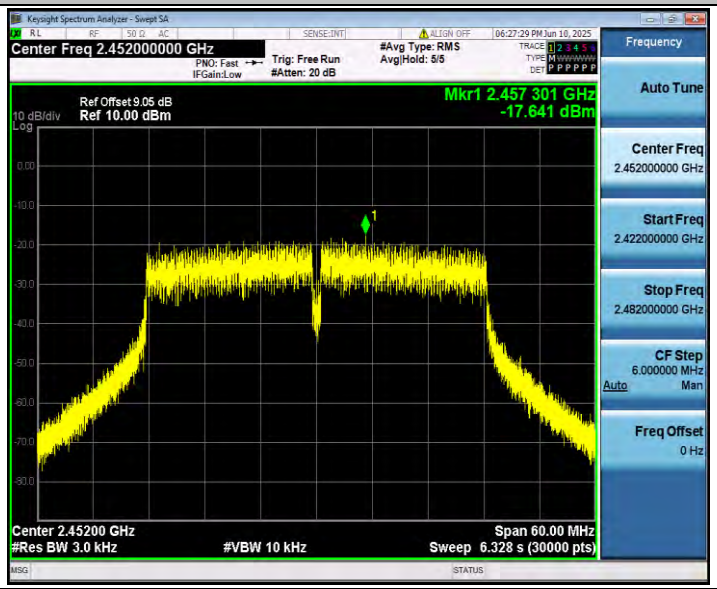
11N40SISO_Ant1_2422



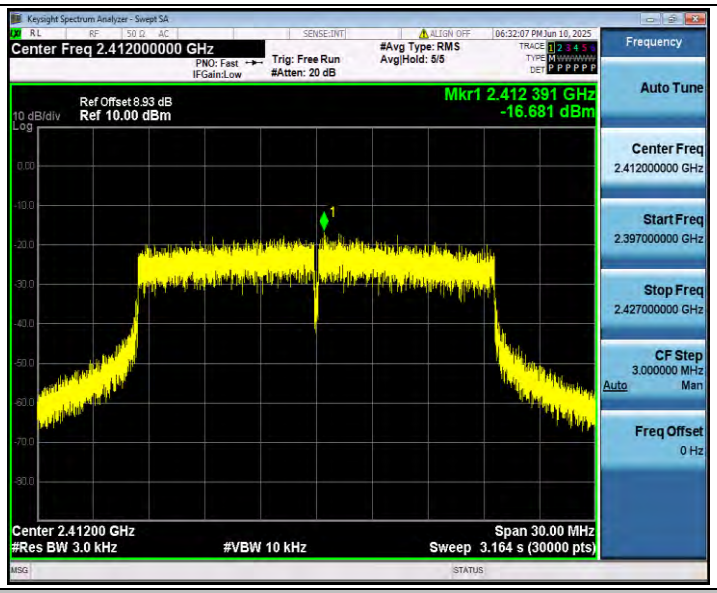
11N40SISO_Ant1_2437



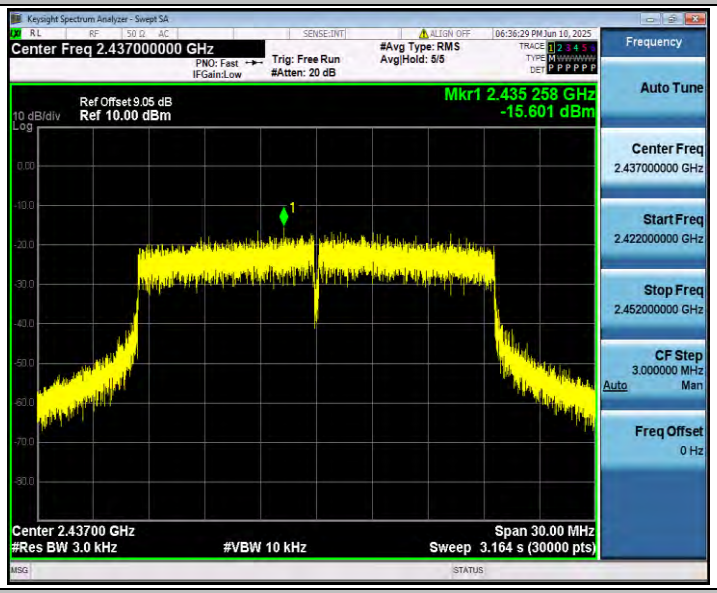
11N40SISO_Ant1_2452



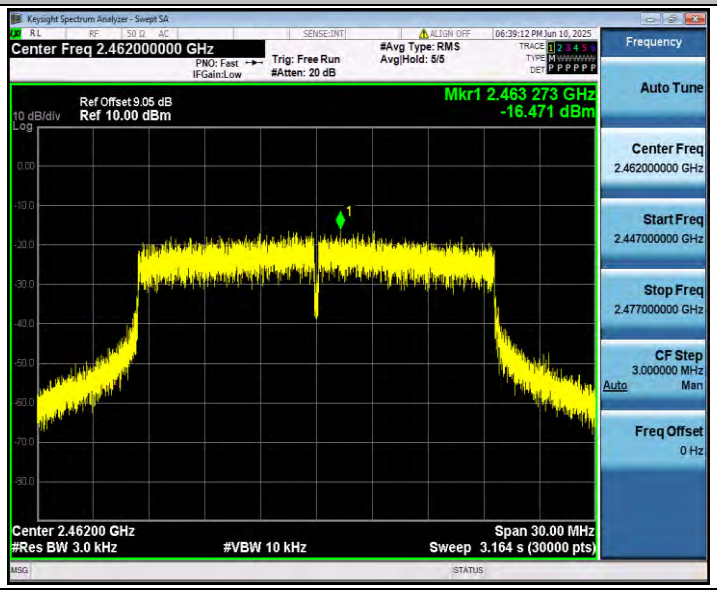
11AX20SISO_Ant1_2412



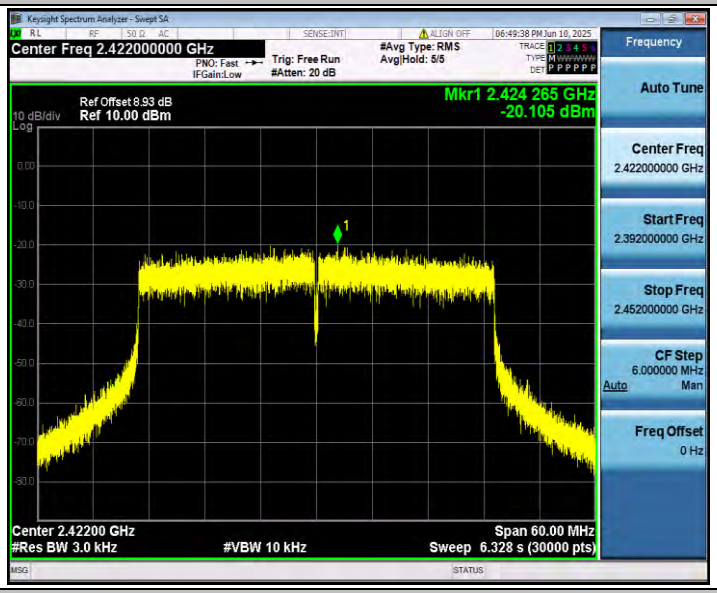
11AX20SISO_Ant1_2437



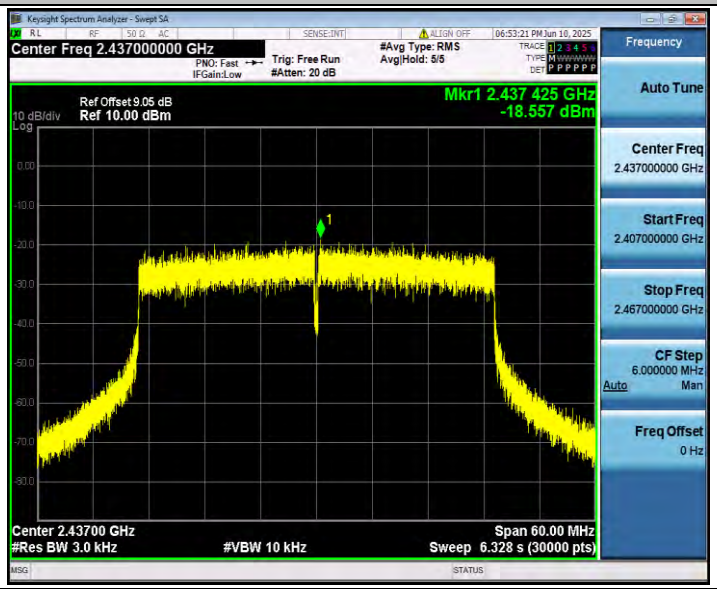
11AX20SISO_Ant1_2462



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: 20 dB
#Avg Type: RMS
Avg|Hold: 5/5
06:56:23 PM Jun 10, 2025
Ref Offset 9.05 dB
10 dB/div
Ref 10.00 dBm
Log
Mkr1 2.460 697 GHz
-18.319 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

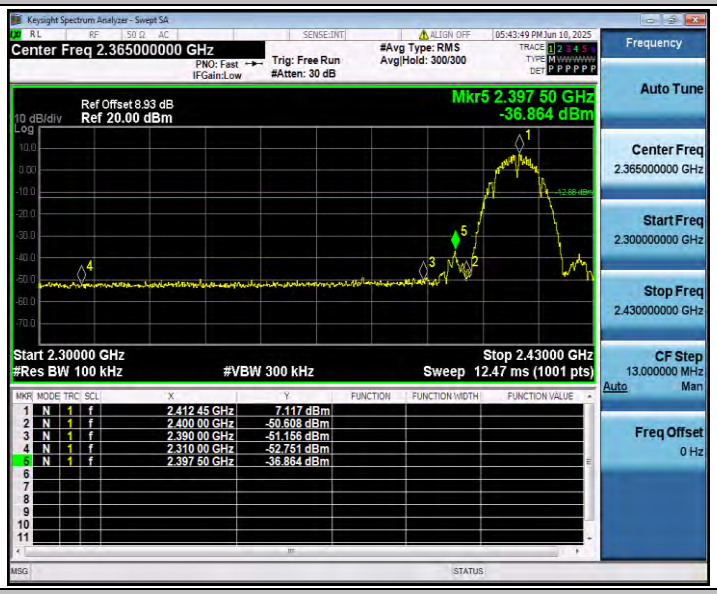
Appendix C.5: Band edge measurements

Test Result

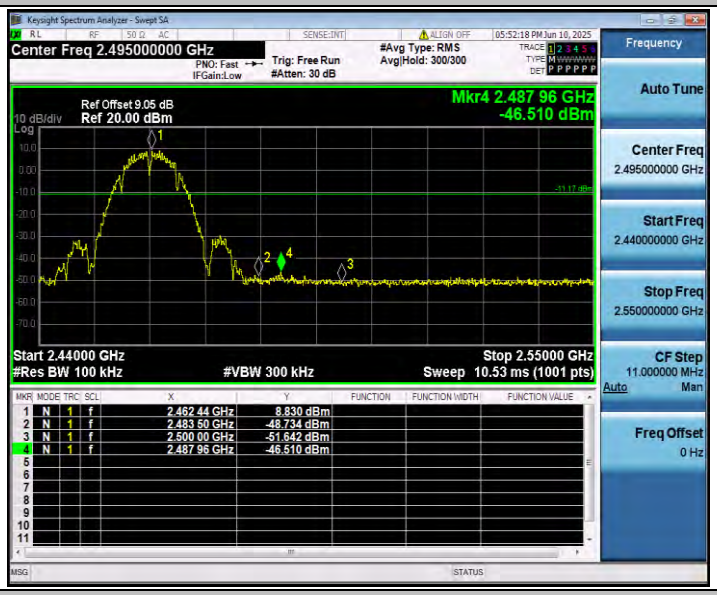
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.12	-36.86	≤-12.88	PASS
		High	2462	8.83	-46.51	≤-11.17	PASS
11G	Ant1	Low	2412	0.33	-27.9	≤-19.67	PASS
		High	2462	0.55	-45.83	≤-19.45	PASS
11N20SISO	Ant1	Low	2412	-1.83	-29.55	≤-21.83	PASS
		High	2462	-0.93	-47.11	≤-20.93	PASS
11N40SISO	Ant1	Low	2422	-5.00	-34.73	≤-25	PASS
		High	2452	-3.34	-43.38	≤-23.34	PASS
11AX20SISO	Ant1	Low	2412	-1.91	-29.78	≤-21.91	PASS
		High	2462	-0.16	-44.81	≤-20.16	PASS
11AX40SISO	Ant1	Low	2422	-4.72	-36.56	≤-24.72	PASS
		High	2452	-3.36	-45.38	≤-23.36	PASS

Test Graphs

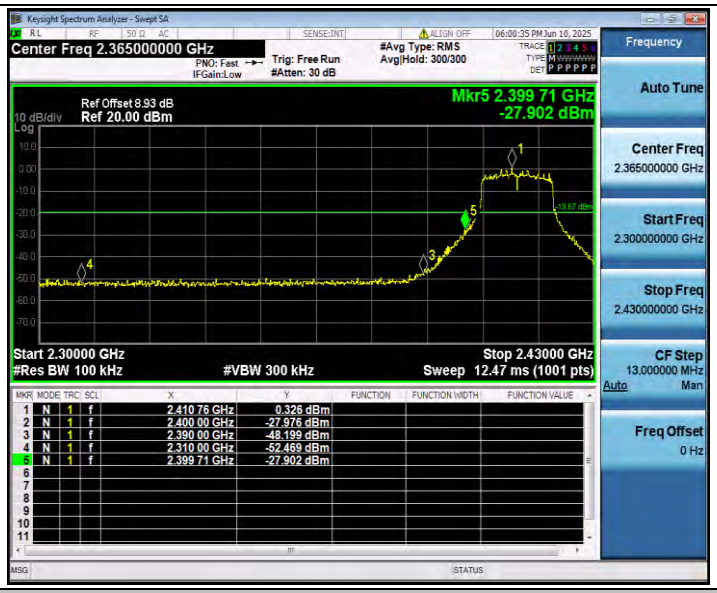
11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



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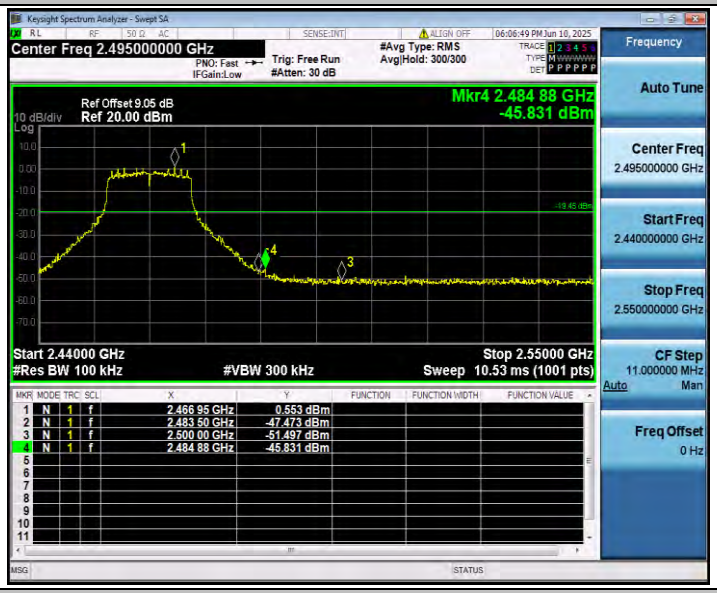
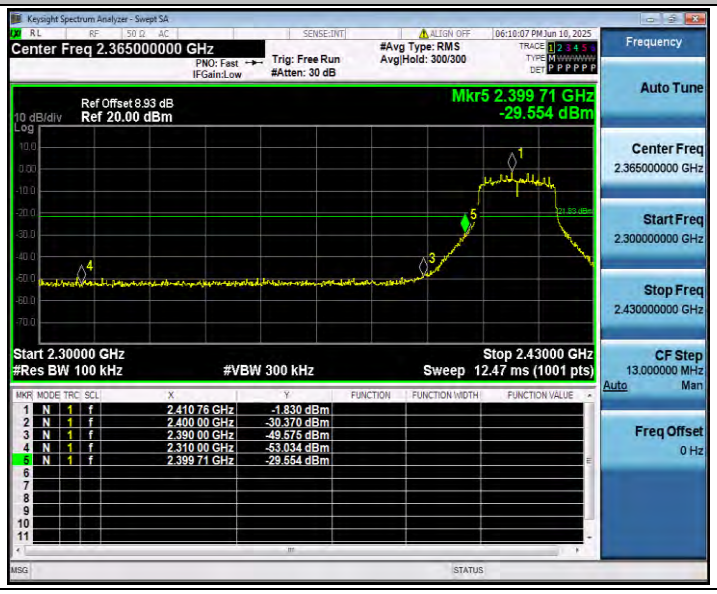


11N20SISO_Ant1_Low_2412



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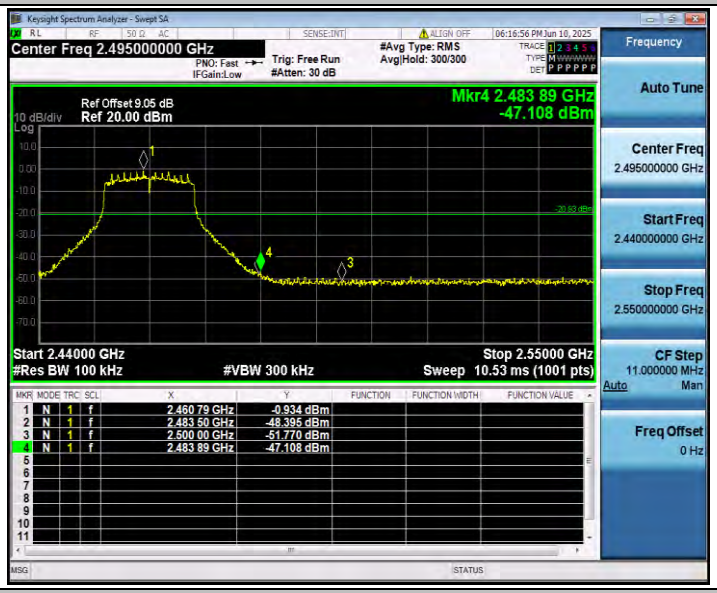
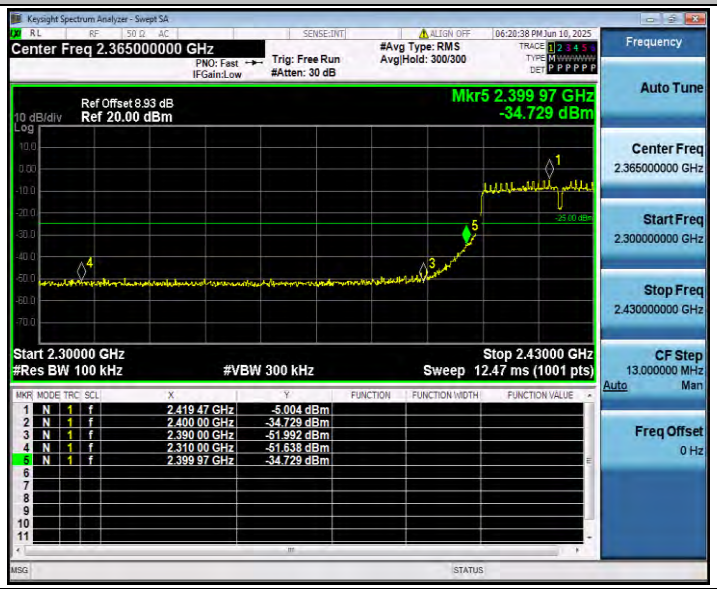
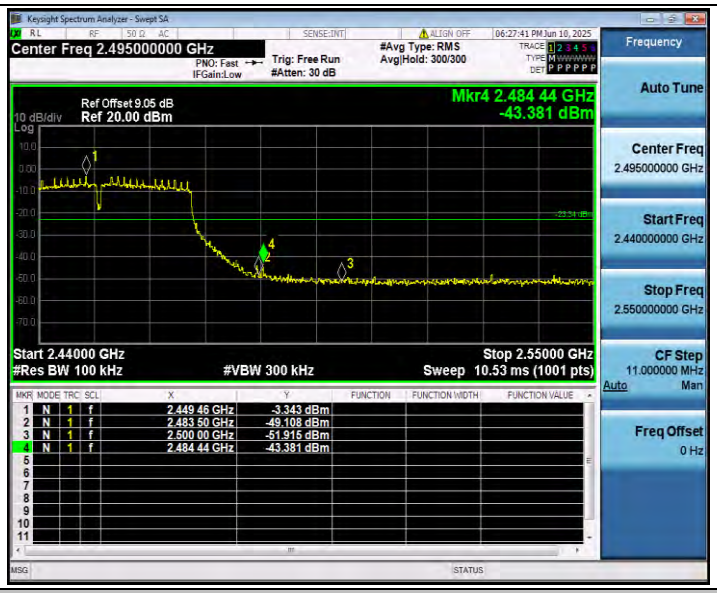


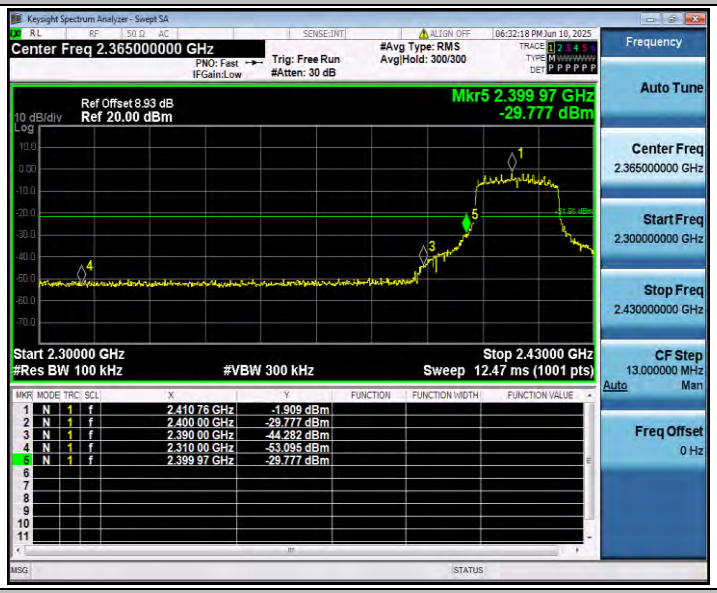
11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



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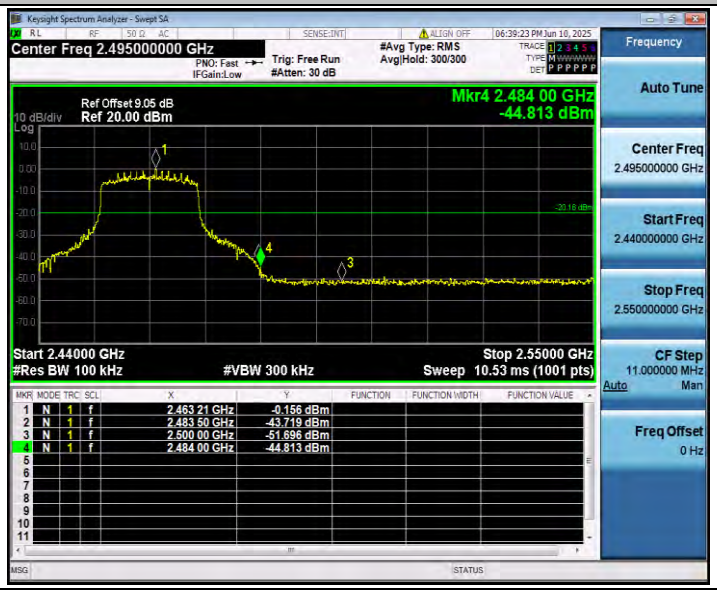

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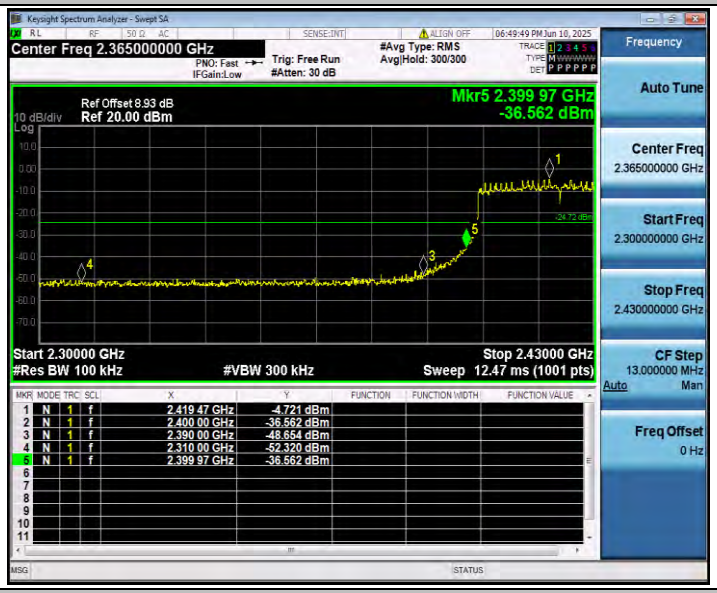
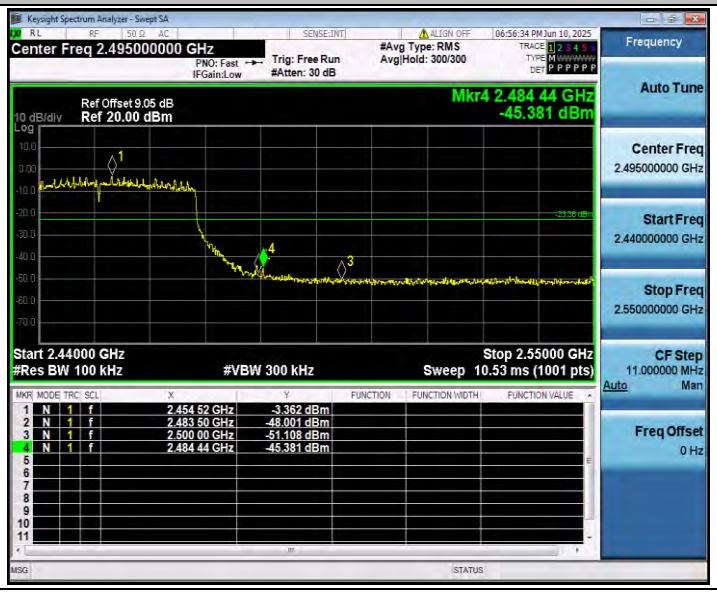
11AX40SISO_Ant1_High_2452