

DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.920	2417.000	0.5	PASS
11B	Ant2	2412	10.040	2406.960	2417.000	0.5	PASS
11B	Ant1	2437	10.080	2431.920	2442.000	0.5	PASS
11B	Ant2	2437	10.080	2431.920	2442.000	0.5	PASS
11B	Ant1	2462	10.040	2456.960	2467.000	0.5	PASS
11B	Ant2	2462	10.080	2456.920	2467.000	0.5	PASS
11G	Ant1	2412	15.000	2404.480	2419.480	0.5	PASS
11G	Ant2	2412	13.880	2404.400	2418.280	0.5	PASS
11G	Ant1	2437	14.200	2430.320	2444.520	0.5	PASS
11G	Ant2	2437	15.560	2429.200	2444.760	0.5	PASS
11G	Ant1	2462	15.680	2454.200	2469.880	0.5	PASS
11G	Ant2	2462	15.240	2454.480	2469.720	0.5	PASS
11N20MIMO	Ant1	2412	12.600	2406.920	2419.520	0.5	PASS
11N20MIMO	Ant2	2412	15.320	2404.200	2419.520	0.5	PASS
11N20MIMO	Ant1	2437	12.160	2431.320	2443.480	0.5	PASS
11N20MIMO	Ant2	2437	13.840	2431.920	2445.760	0.5	PASS
11N20MIMO	Ant1	2462	15.120	2454.400	2469.520	0.5	PASS
11N20MIMO	Ant2	2462	13.840	2455.680	2469.520	0.5	PASS
11N40MIMO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
11N40MIMO	Ant2	2422	33.200	2406.960	2440.160	0.5	PASS
11N40MIMO	Ant1	2437	26.320	2428.200	2454.520	0.5	PASS
11N40MIMO	Ant2	2437	30.000	2420.680	2450.680	0.5	PASS
11N40MIMO	Ant1	2452	35.040	2434.480	2469.520	0.5	PASS
11N40MIMO	Ant2	2452	30.080	2435.680	2465.760	0.5	PASS

Test Graphs



11B-Ant1-2412-PASS



11B-Ant2-2412-PASS



11B-Ant1-2437-PASS



11B-Ant2-2437-PASS



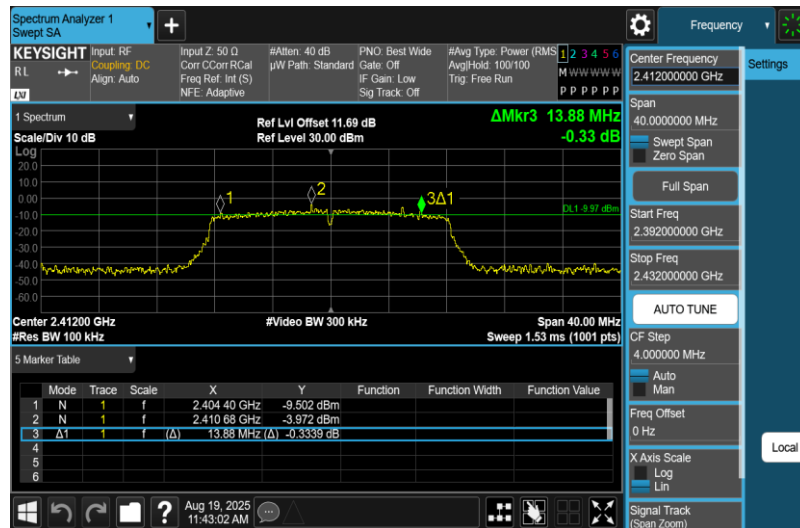
11B-Ant1-2462-PASS



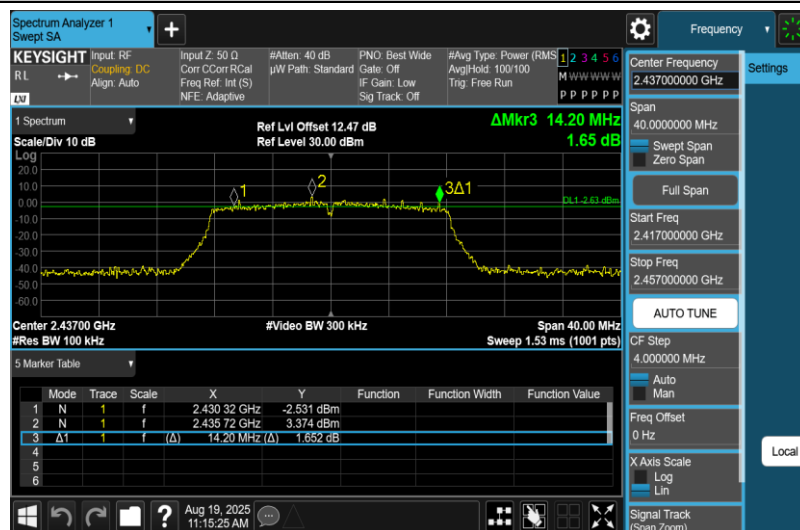
11B-Ant2-2462-PASS



11G-Ant1-2412-PASS



11G-Ant2-2412-PASS



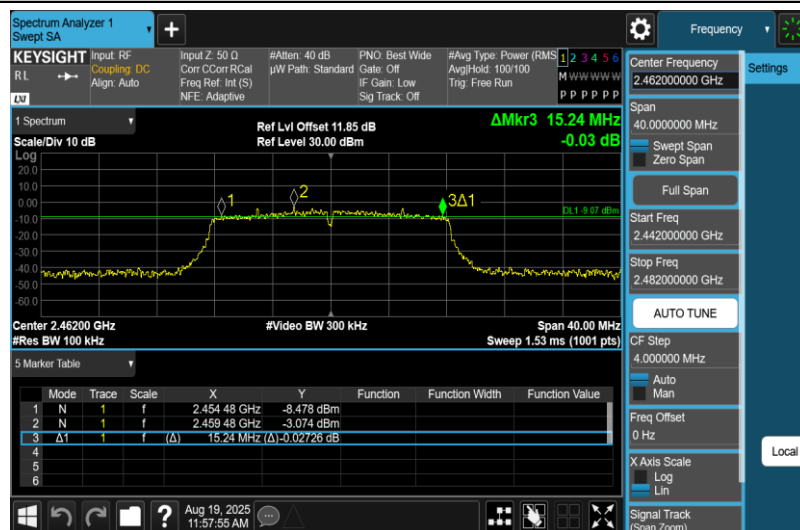
11G-Ant1-2437-PASS



11G-Ant2-2437-PASS



11G-Ant1-2462-PASS



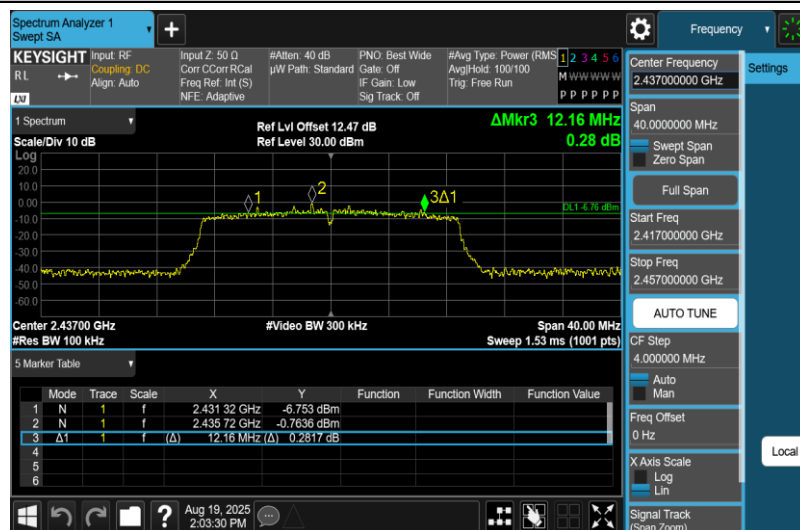
11G-Ant2-2462-PASS



11N20MIMO-Ant1-2412-PASS



11N20MIMO-Ant2-2412-PASS



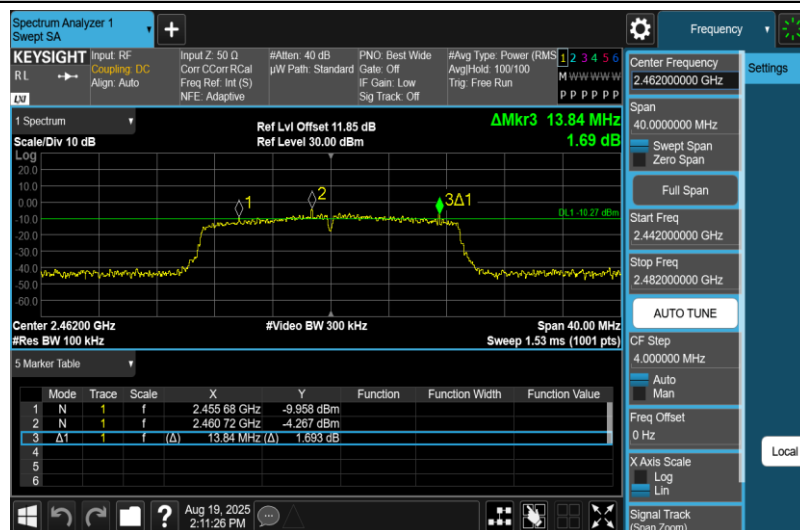
11N20MIMO-Ant1-2437-PASS



11N20MIMO-Ant2-2437-PASS



11N20MIMO-Ant1-2462-PASS



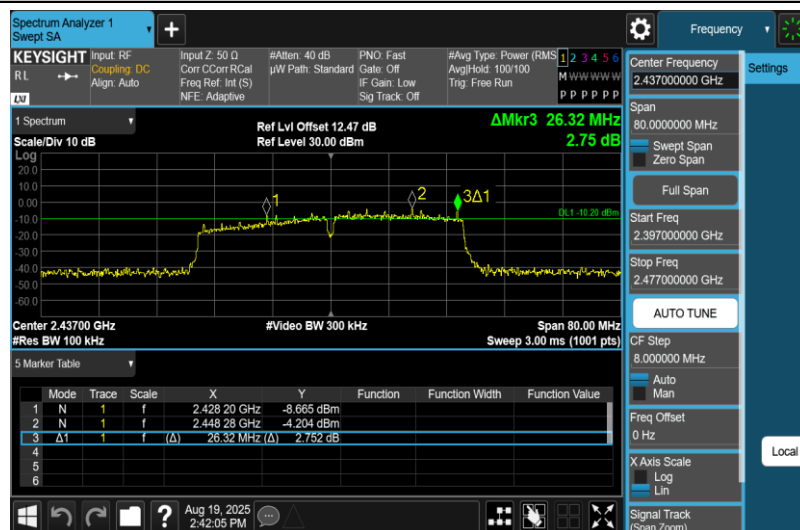
11N20MIMO-Ant2-2462-PASS



11N40MIMO-Ant1-2422-PASS



11N40MIMO-Ant2-2422-PASS



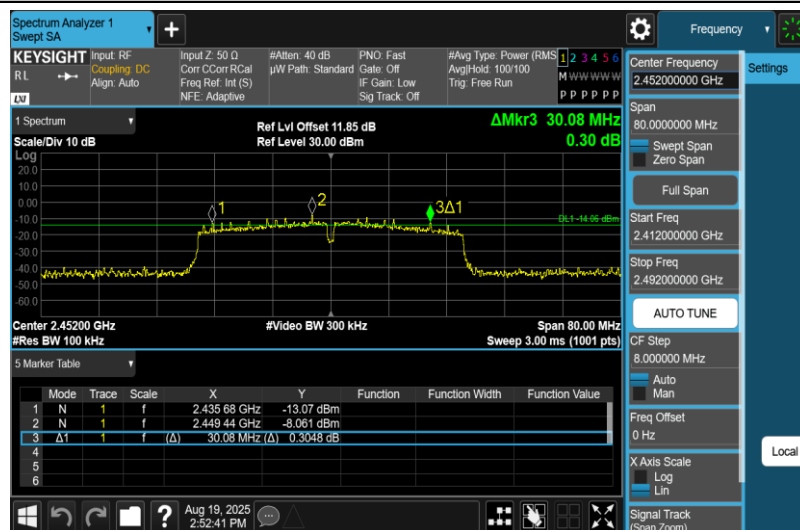
11N40MIMO-Ant1-2437-PASS



11N40MIMO-Ant2-2437-PASS



11N40MIMO-Ant1-2452-PASS



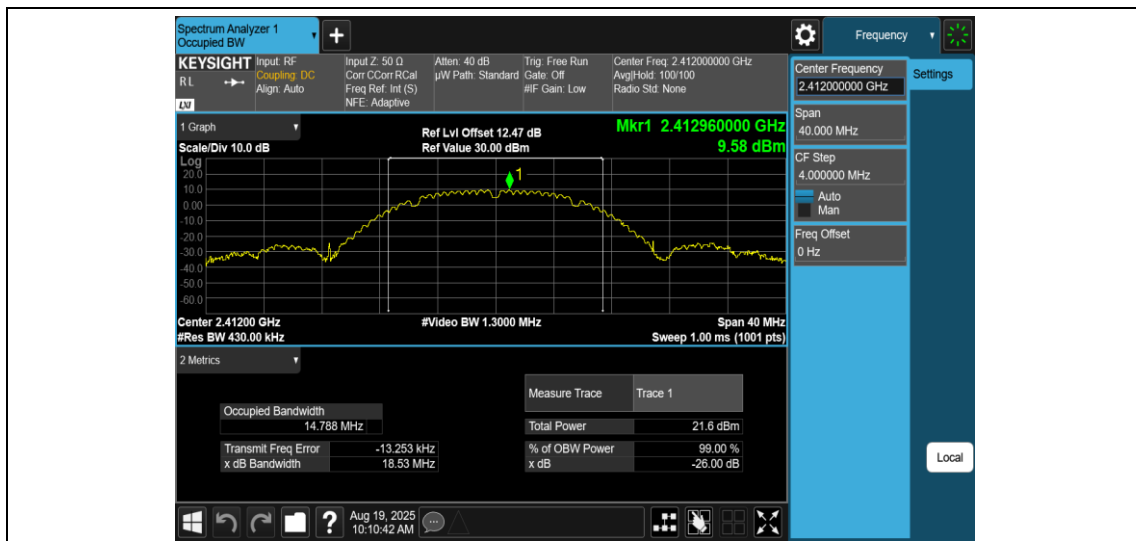
11N40MIMO-Ant2-2452-PASS

Occupied Channel Bandwidth

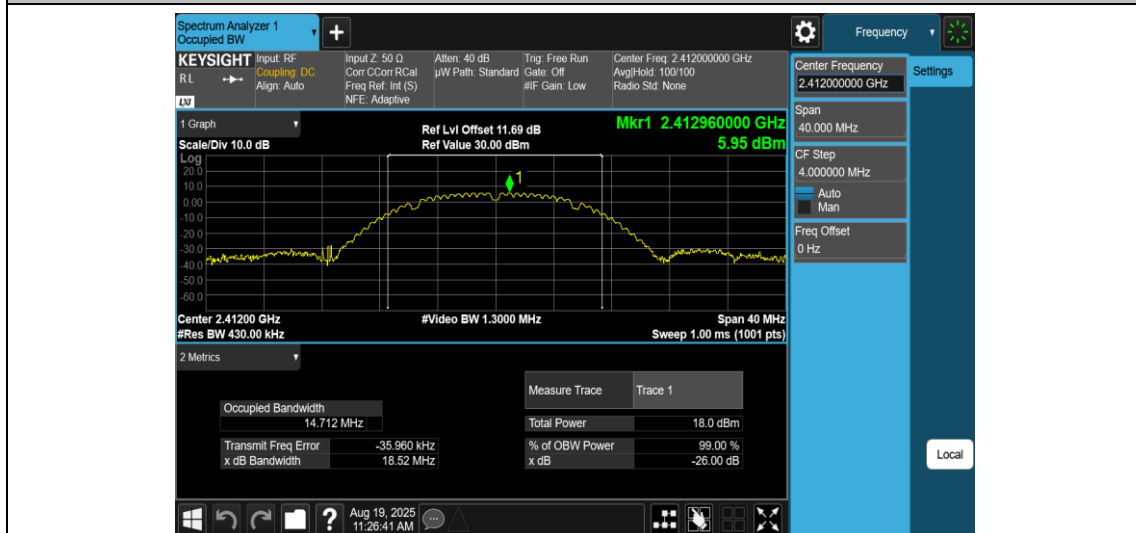
Test Result

Test Mode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.788	2404.5928	2419.3808	---	---
11B	Ant2	2412	14.712	2404.6080	2419.3200	---	---
11B	Ant1	2437	14.798	2429.6014	2444.3994	---	---
11B	Ant2	2437	14.748	2429.6094	2444.3574	---	---
11B	Ant1	2462	14.685	2454.5751	2469.2601	---	---
11B	Ant2	2462	14.735	2454.5415	2469.2765	---	---
11G	Ant1	2412	16.310	2403.8228	2420.1328	---	---
11G	Ant2	2412	16.347	2403.7878	2420.1348	---	---
11G	Ant1	2437	16.317	2428.8118	2445.1288	---	---
11G	Ant2	2437	16.312	2428.7958	2445.1078	---	---
11G	Ant1	2462	16.352	2453.8020	2470.1540	---	---
11G	Ant2	2462	16.352	2453.8140	2470.1660	---	---
11N20MIMO	Ant1	2412	17.442	2403.3453	2420.7873	---	---
11N20MIMO	Ant2	2412	17.453	2403.2531	2420.7061	---	---
11N20MIMO	Ant1	2437	17.464	2428.2341	2445.6981	---	---
11N20MIMO	Ant2	2437	17.426	2428.4166	2445.8426	---	---
11N20MIMO	Ant1	2462	17.532	2453.2162	2470.7482	---	---
11N20MIMO	Ant2	2462	17.428	2453.3274	2470.7554	---	---
11N40MIMO	Ant1	2422	35.784	2404.0672	2439.8512	---	---
11N40MIMO	Ant2	2422	35.612	2404.5181	2440.1301	---	---
11N40MIMO	Ant1	2437	35.535	2419.5965	2455.1315	---	---
11N40MIMO	Ant2	2437	35.718	2419.0774	2454.7954	---	---
11N40MIMO	Ant1	2452	35.729	2434.0608	2469.7898	---	---
11N40MIMO	Ant2	2452	35.711	2434.0648	2469.7758	---	---

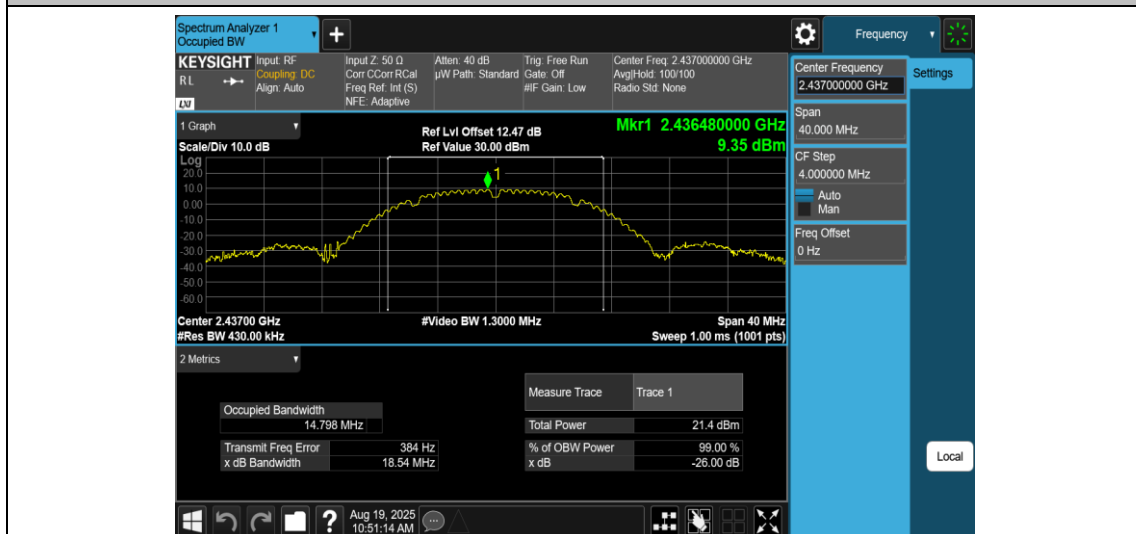
Test Graphs



11B-Ant1-2412



11B-Ant2-2412



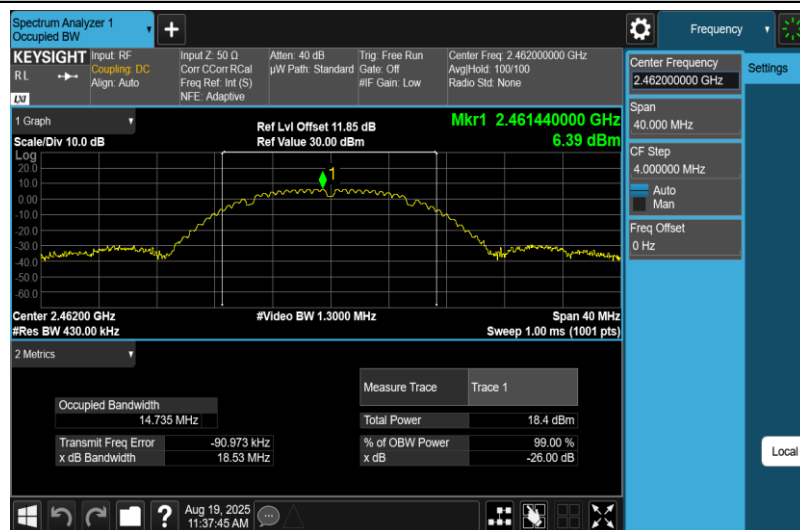
11B-Ant1-2437



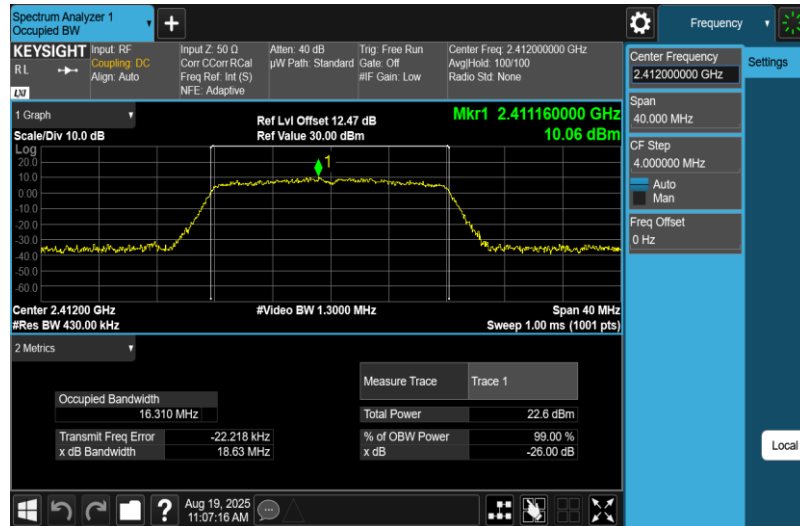
11B-Ant2-2437



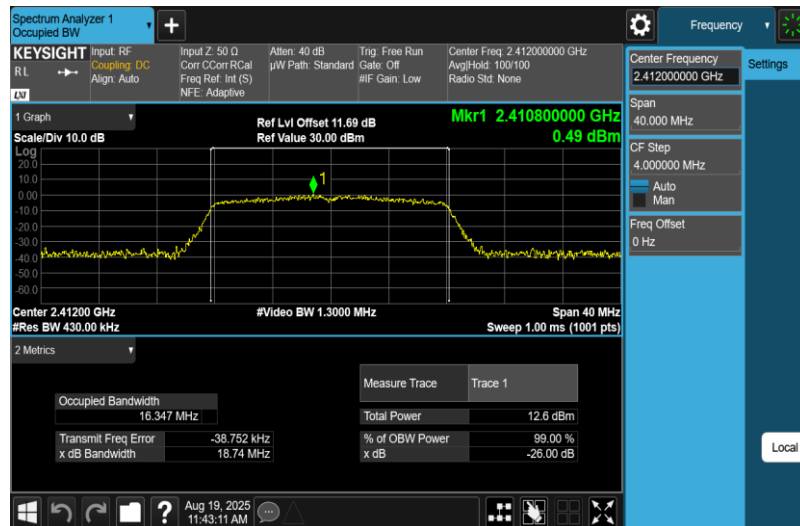
11B-Ant1-2462



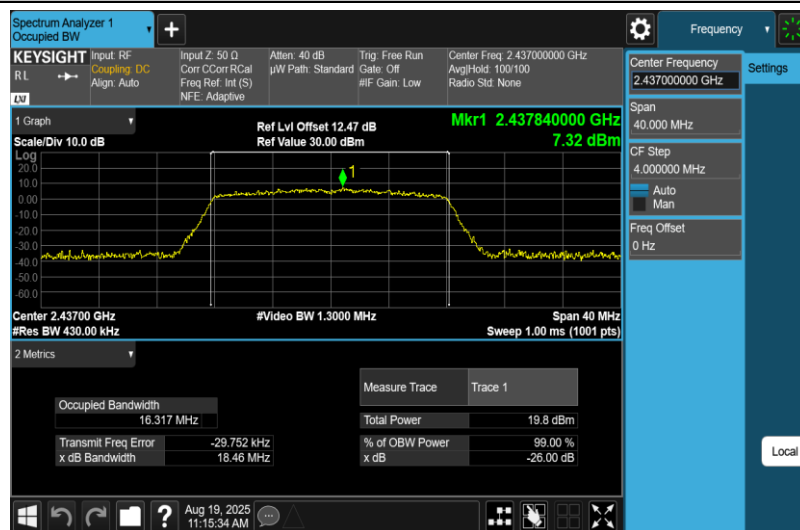
11B-Ant2-2462



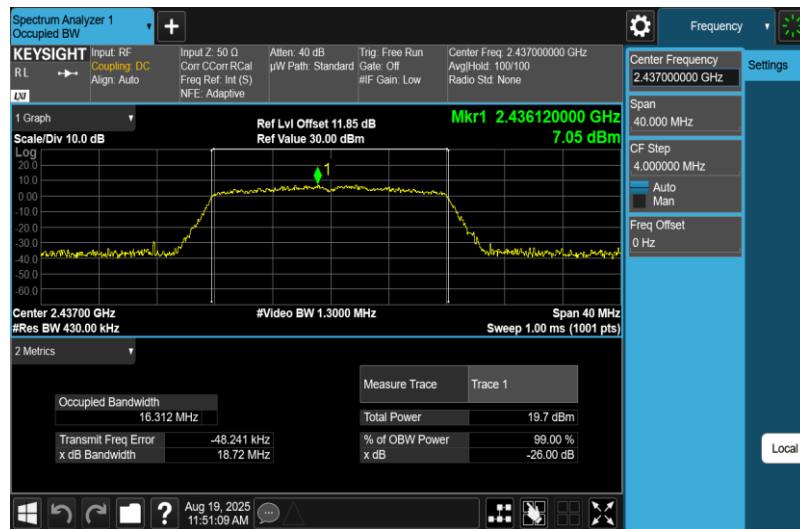
11G-Ant1-2412



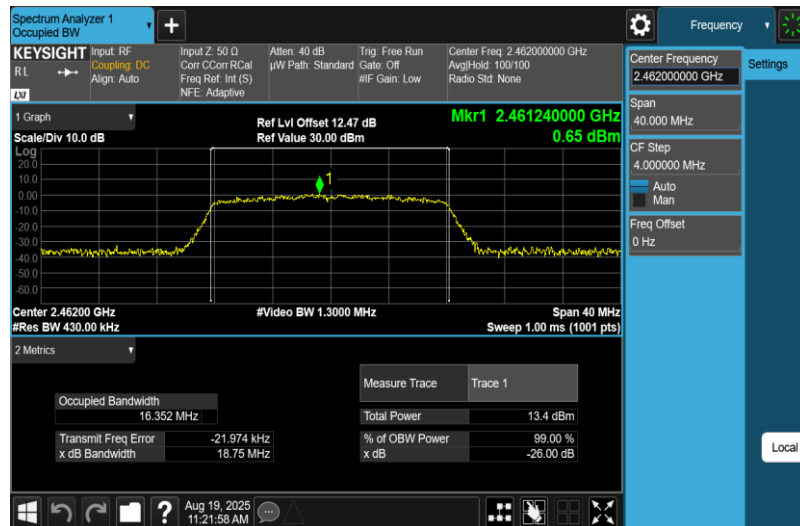
11G-Ant2-2412



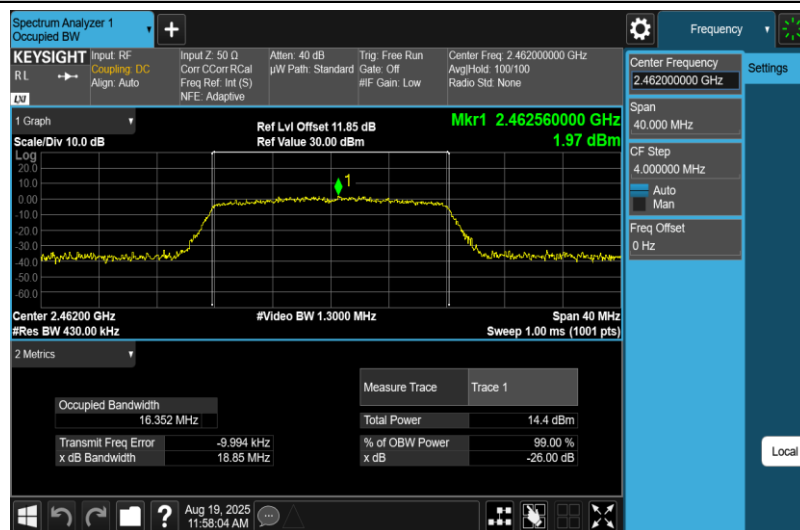
11G-Ant1-2437



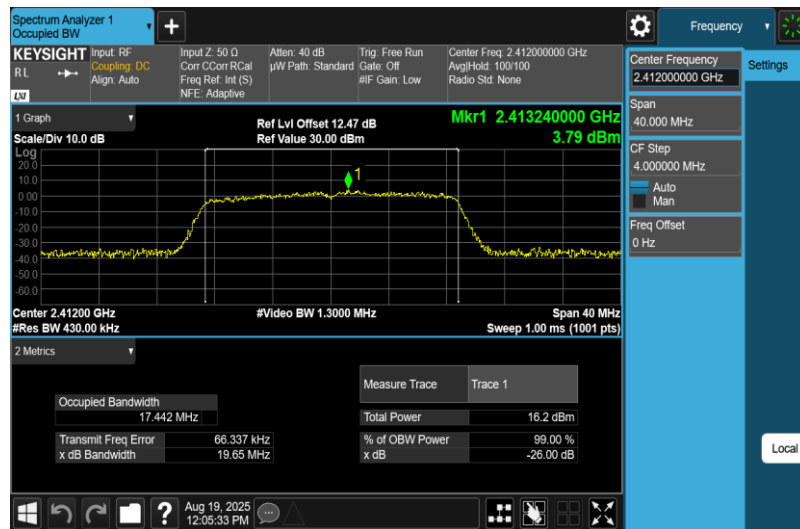
11G-Ant2-2437



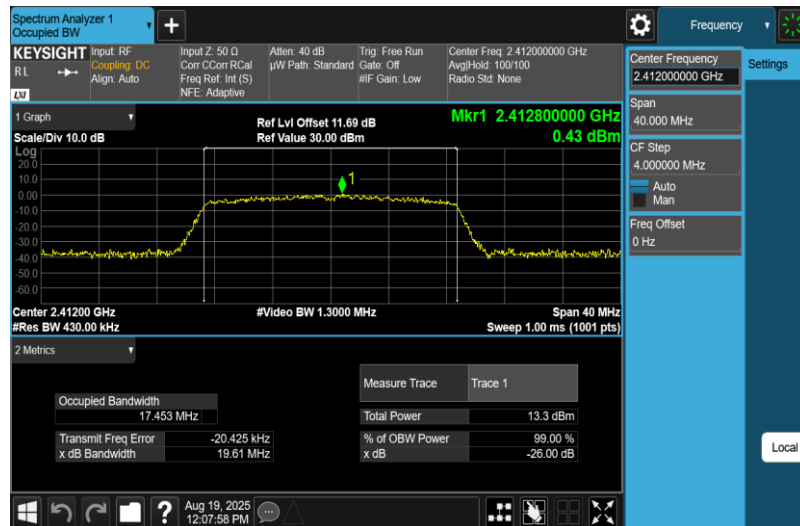
11G-Ant1-2462



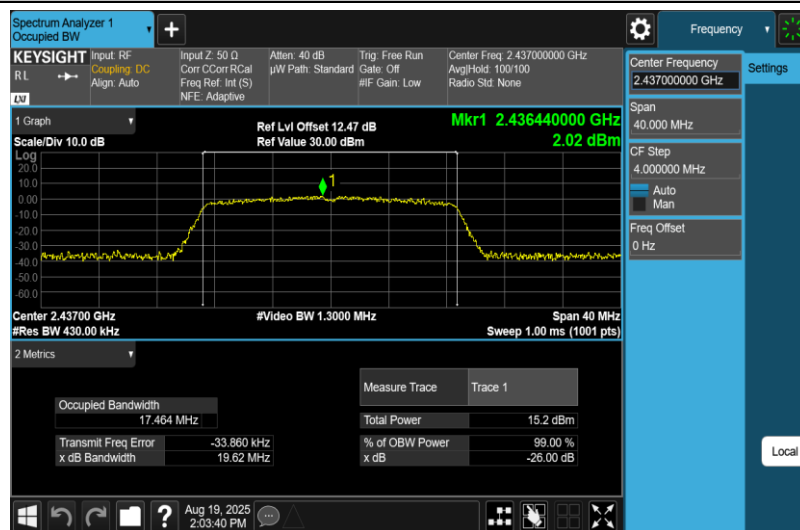
11G-Ant2-2462



11N20MIMO-Ant1-2412



11N20MIMO-Ant2-2412



11N20MIMO-Ant1-2437

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF
RL → Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr CCor: RCal
Freq Ref: Int (S)
NFE: Adaptive

Atten: 40 dB
μW Path: Standard

Trig: Free Run
Gate: Off
#IF Gain: Low

Center Freq: 2.462000000 GHz
Avg/Hold: 100/100
Radio Std: None

Frequency

Center Frequency: 2.462000000 GHz

Span: 40.000 MHz

CF Step: 4.000000 MHz

Auto Man

Freq Offset: 0 Hz

1 Graph
Scale/Div: 10.0 dB
Log
Ref Lvl Offset: 12.47 dB
Ref Value: 30.00 dBm
Mkr1 2.463640000 GHz -2.33 dBm

Center: 2.46200 GHz
#Res BW: 430.00 kHz
#Video BW: 1.3000 MHz
Span: 40 MHz
Sweep: 1.00 ms (1001 pts)

2 Metrics

Occupied Bandwidth		Measure Trace		Trace 1	
17.532 MHz		Total Power		10.8 dBm	
Transmit Freq Error		% of OBW Power		99.00 %	
x dB Bandwidth		x dB		-26.00 dB	

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Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF
RL Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr C Corr R Cal
Freq Ref: Int (S)
NFE: Adaptive

Att: 40 dB
μW Path: Standard
Gate: Off
#IF Gain: Low

Trg: Free Run
Avg/Hold: 100/100
Radio Std: None

Center Freq: 2.462000000 GHz
Span: 40.000 MHz
CF Step: 4.000000 MHz
Freq Offset: 0 Hz

1 Graph
Scale/Div 10.0 dB
Log
Ref Lvl Offset 11.85 dB
Ref Value 30.00 dBm
Mkr1 2.46280000 GHz
-0.69 dBm
Center 2.46200 GHz
#Res BW 430.00 kHz
#Video BW 1.3000 MHz
Span 40 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Occupied Bandwidth
17.428 MHz
Transmit Freq Error
41.417 kHz
x dB Bandwidth
19.34 MHz
Measure Trace
Trace 1
Total Power
11.7 dBm
% of OBW Power
99.00 %
x dB
-26.00 dB
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2:11:35 PM

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