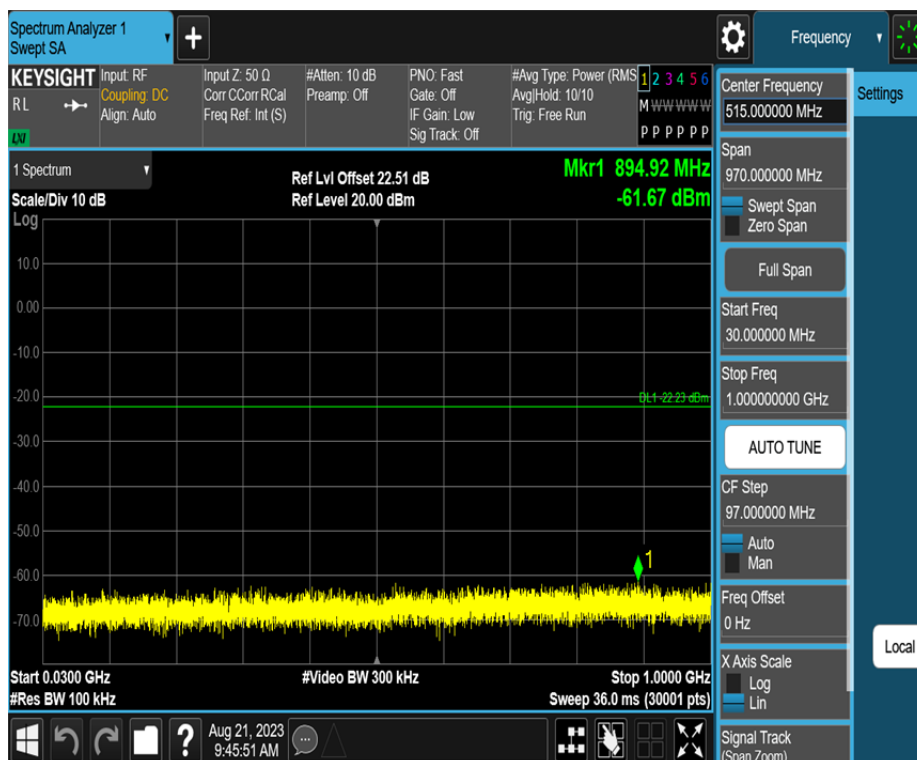
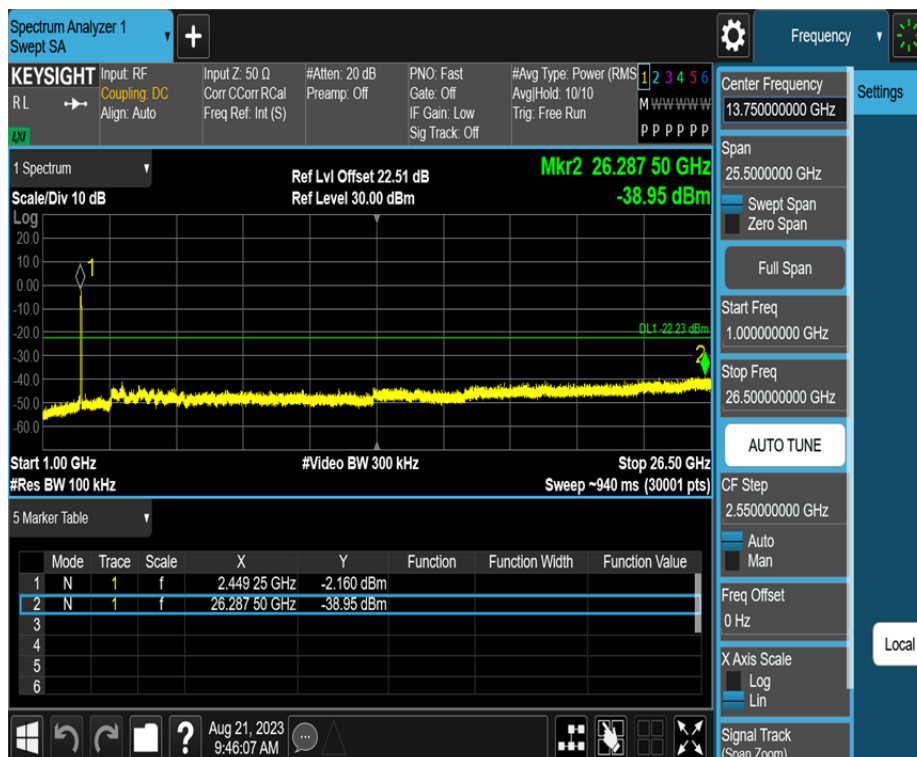


11AX40MIMO_Ant2_2452_30~1000

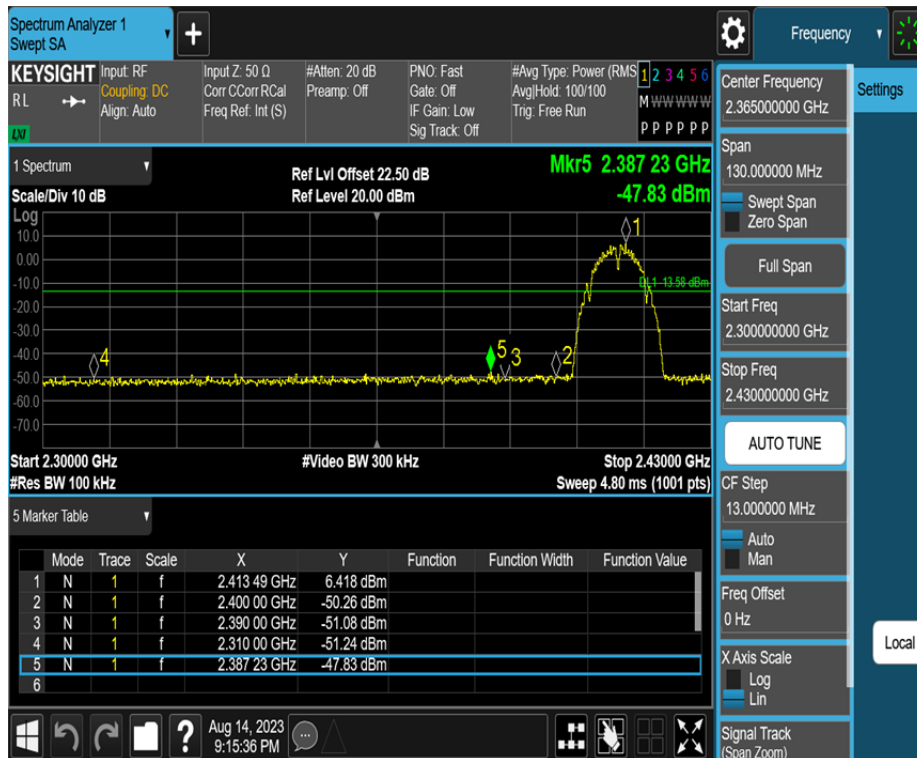


11AX40MIMO_Ant2_2452_1000~26500

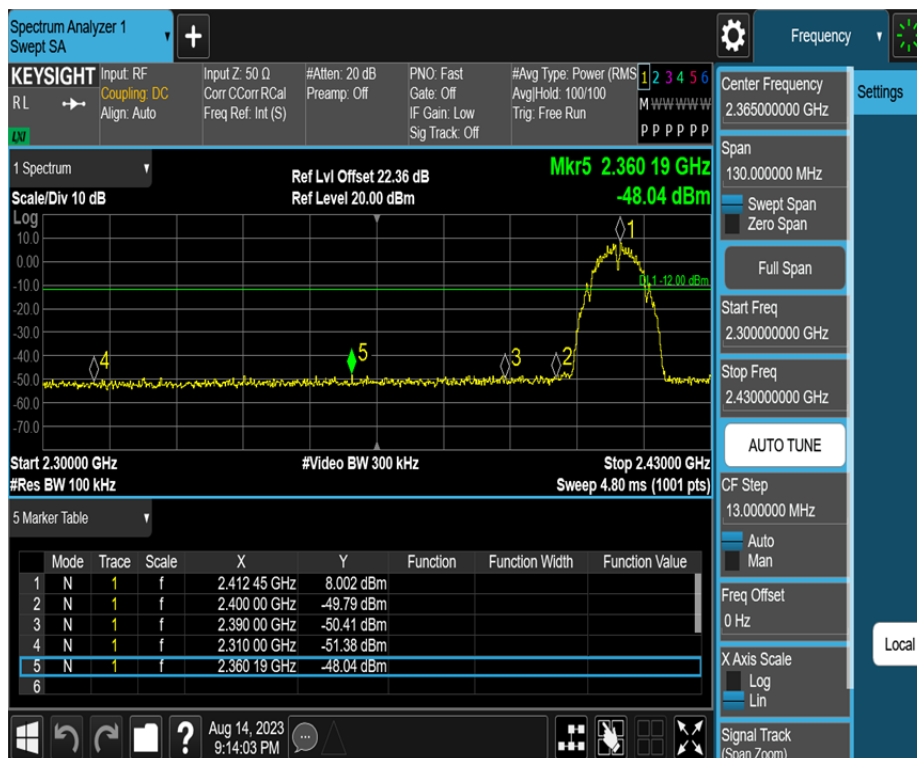


Band edge

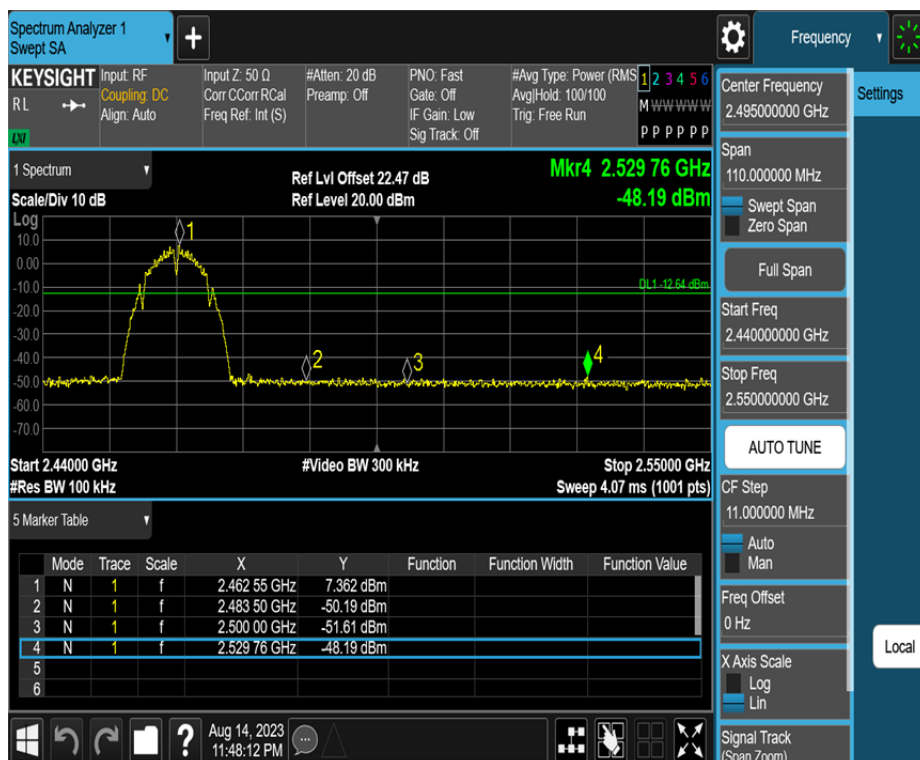
11B_Ant1_Low_2412



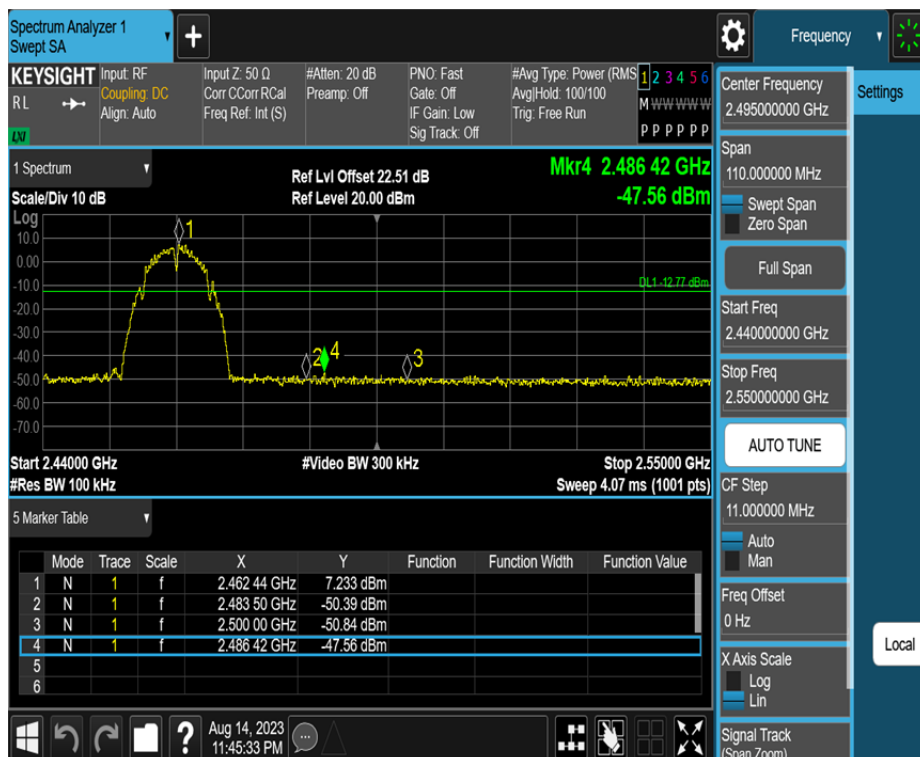
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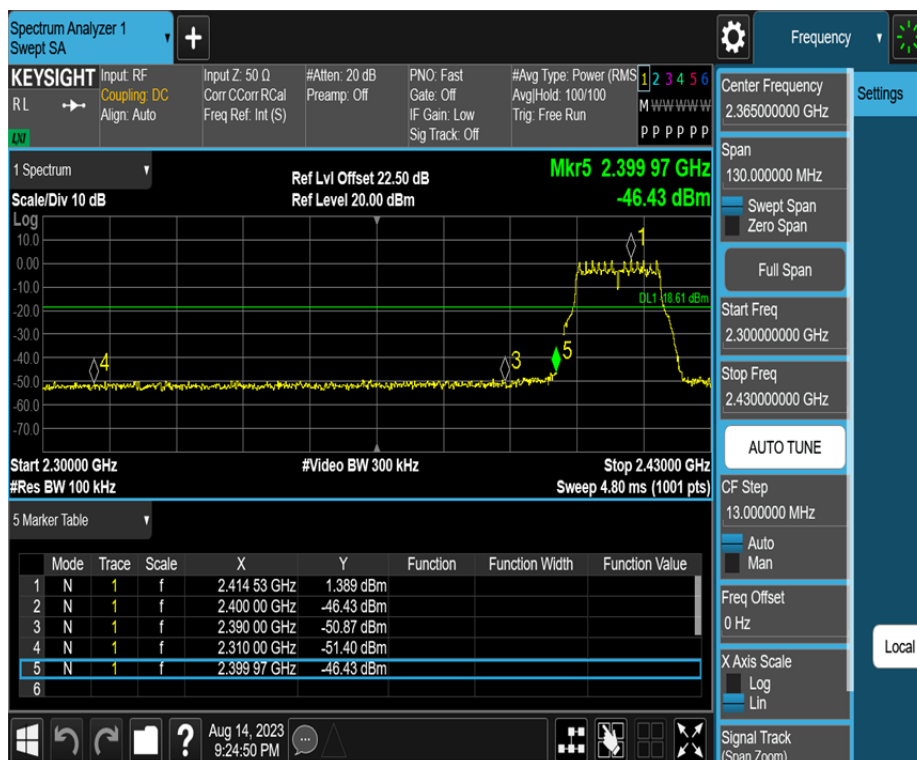
11B_Ant1_High_2462



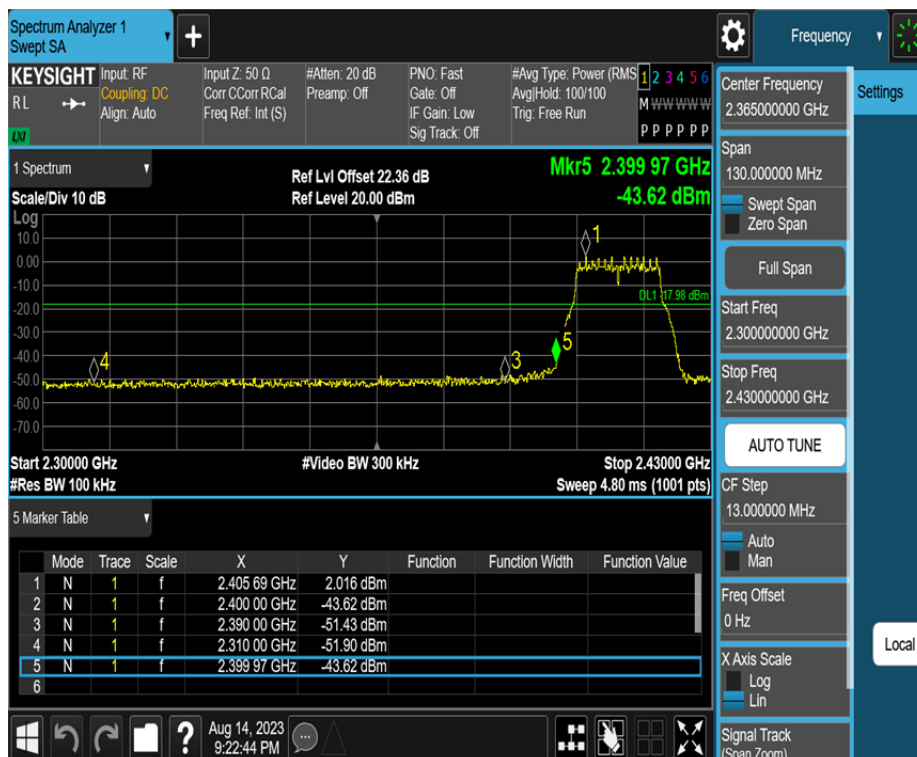
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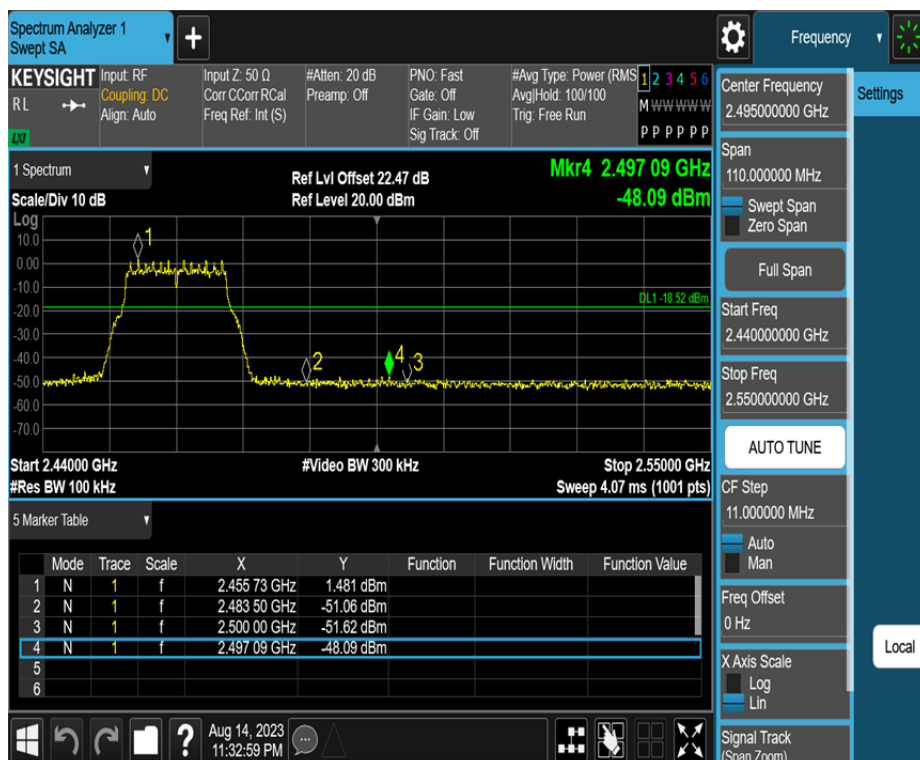
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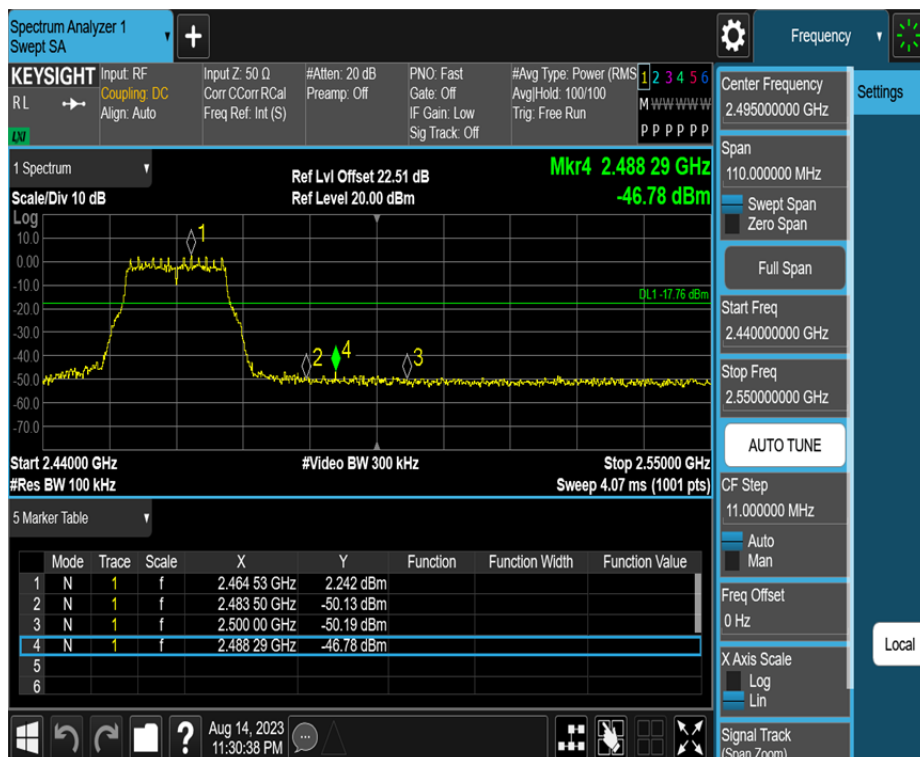
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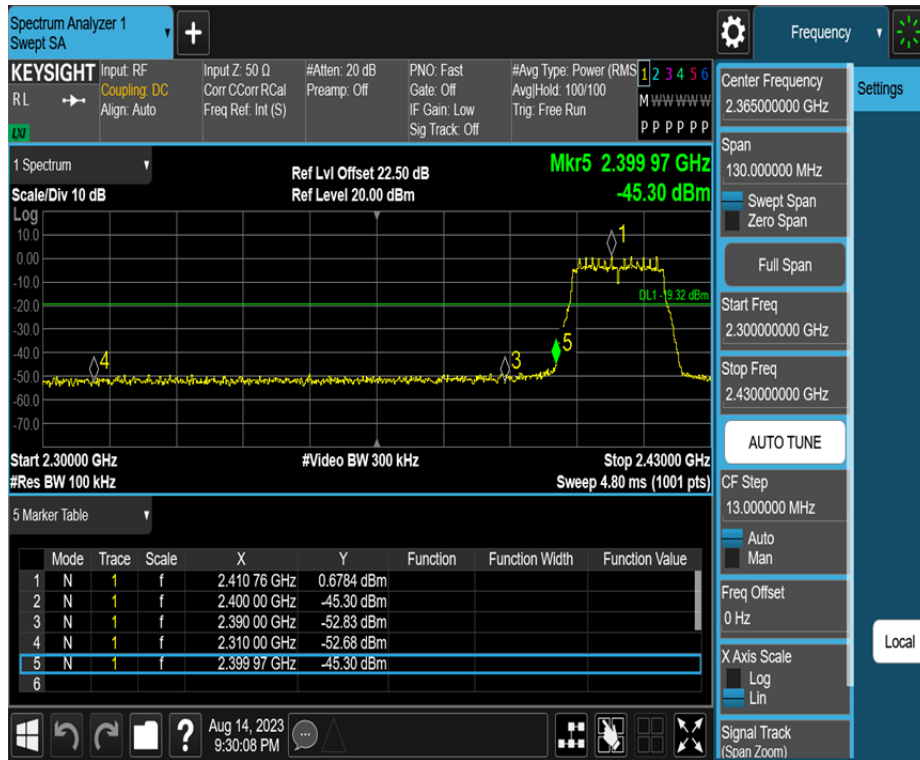
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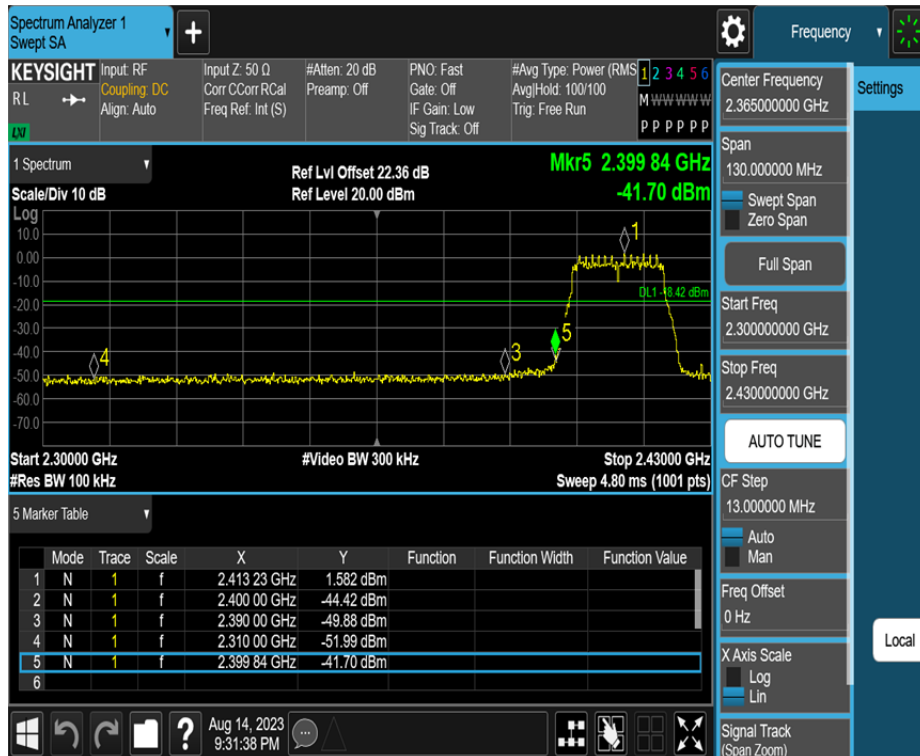
11G_Ant2_High_2462



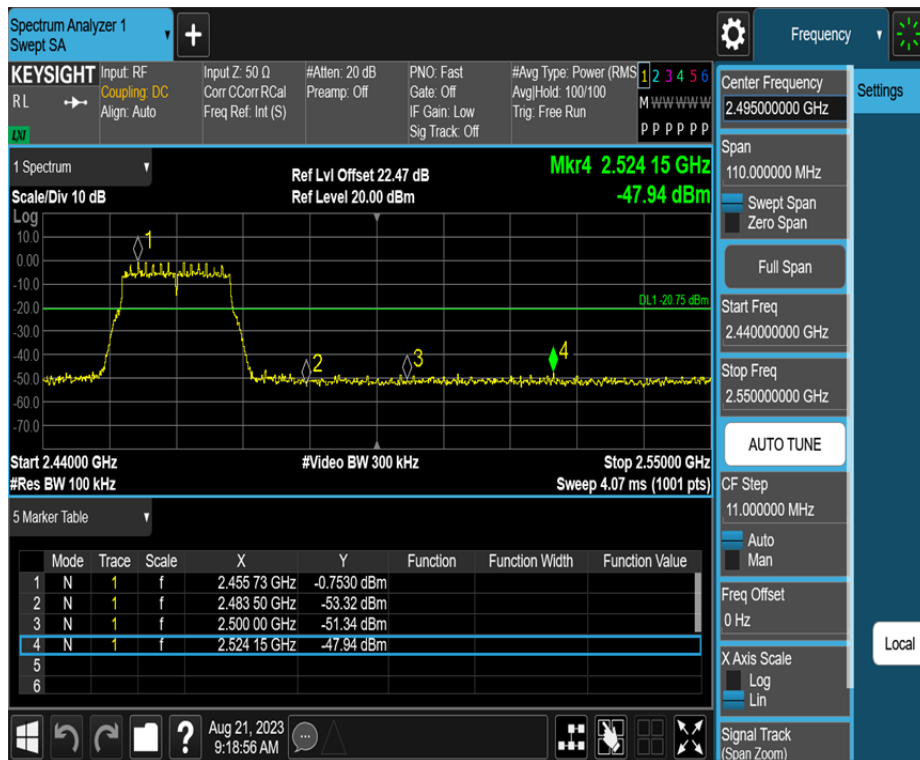
11N20MIMO_Ant1_Low_2412



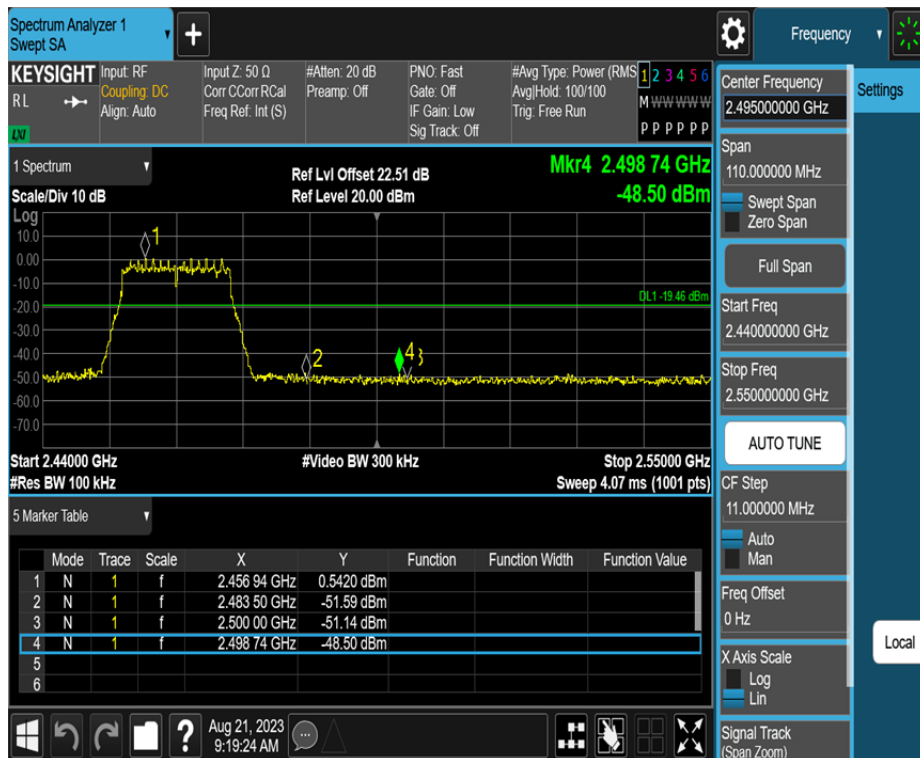
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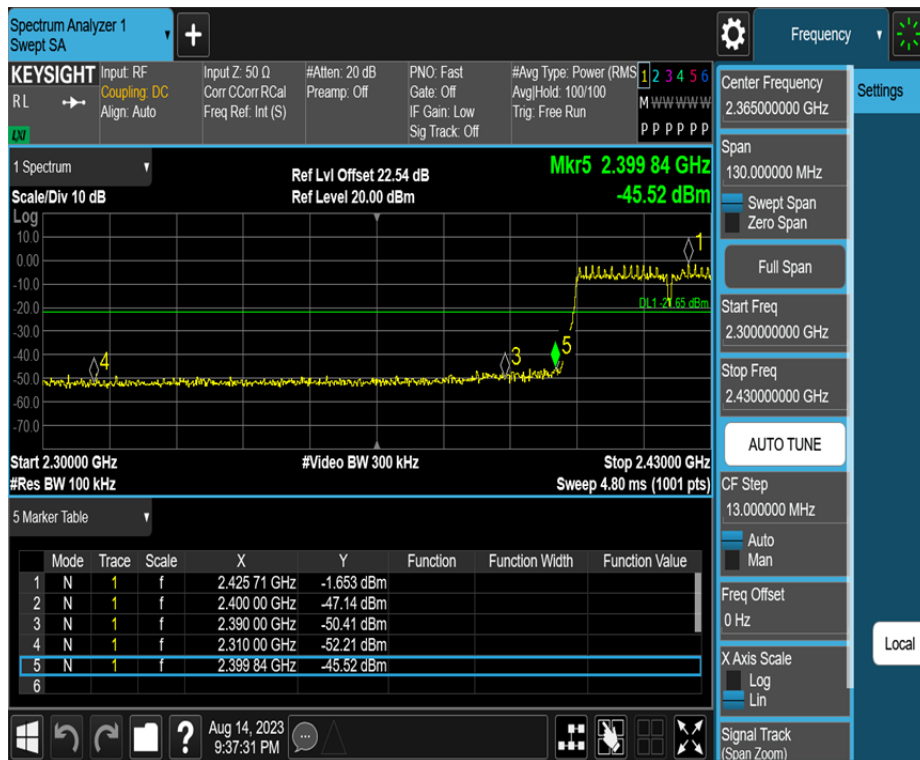
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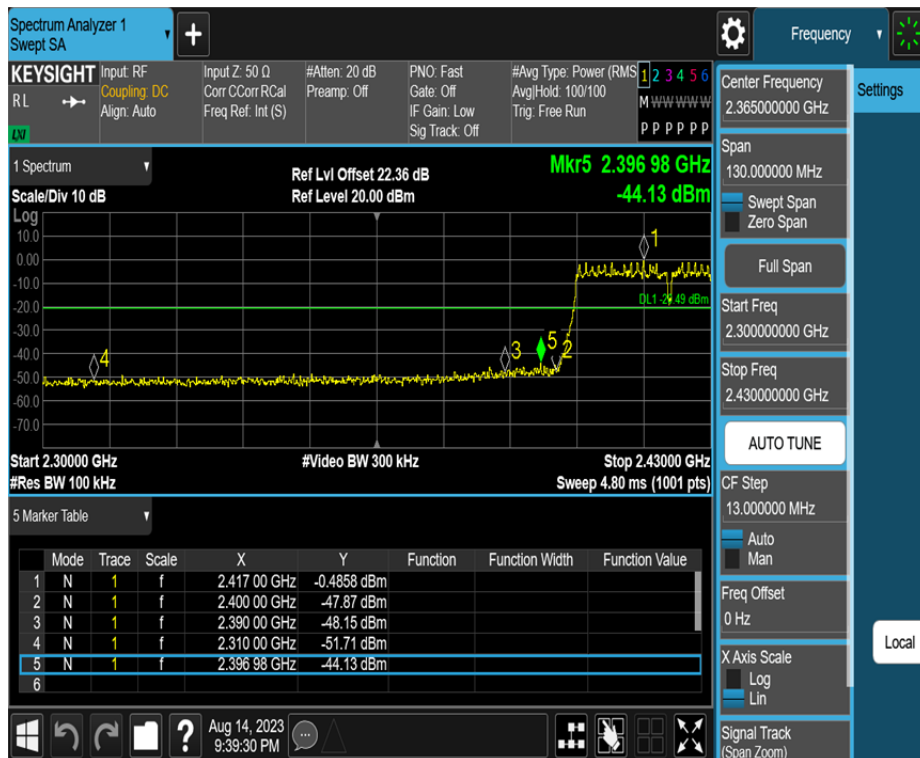
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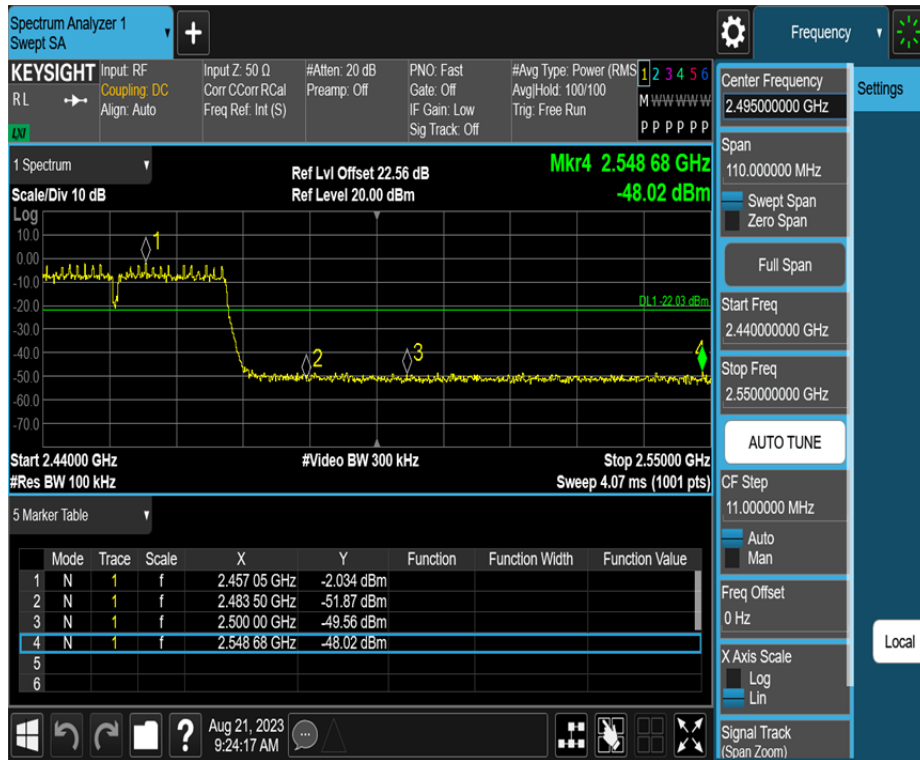
11N40MIMO_Ant1_Low_2422



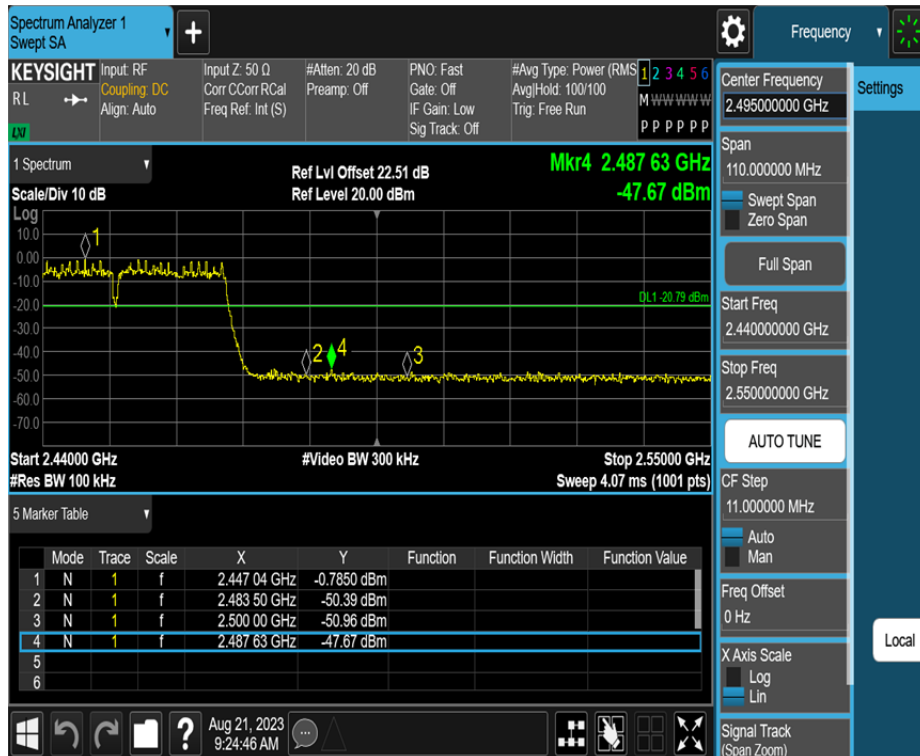
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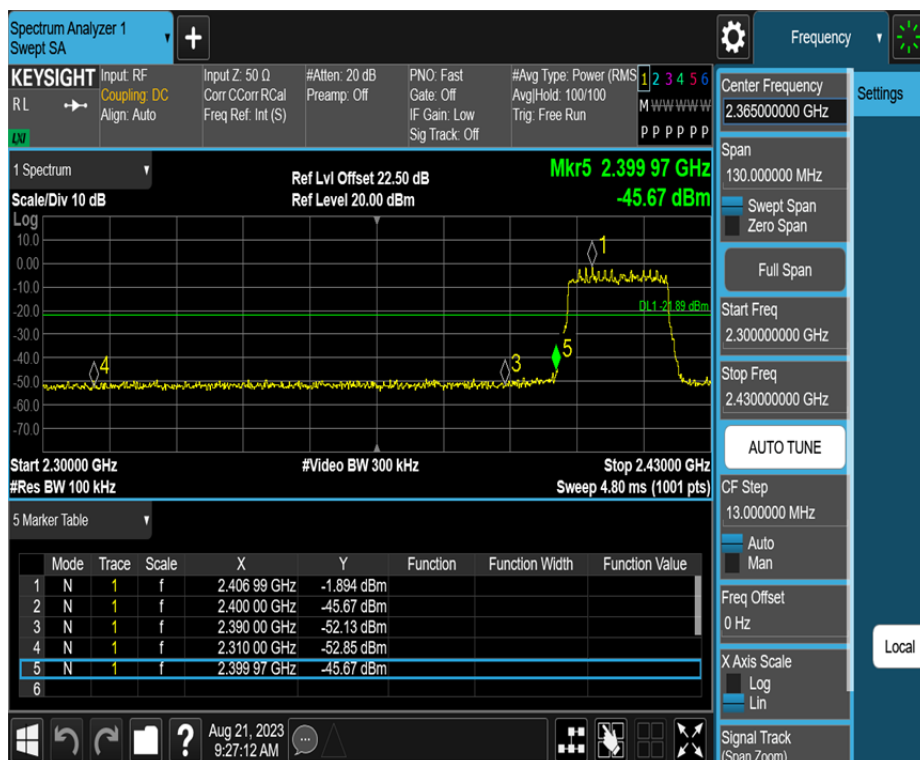
11N40MIMO_Ant1_High_2452



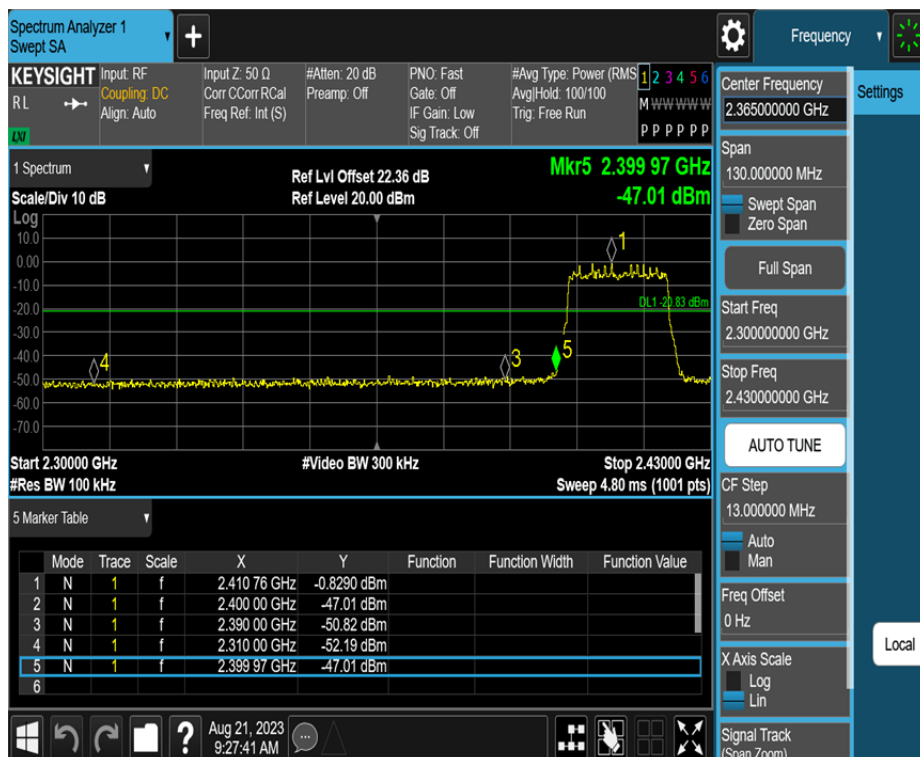
11N40MIMO_Ant2_High_2452



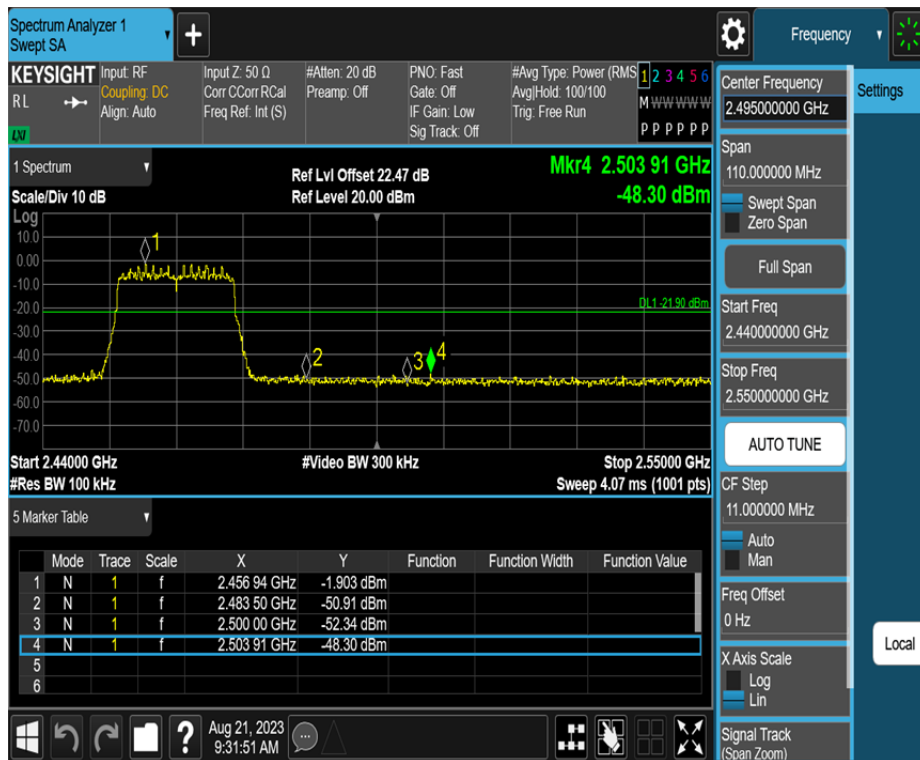
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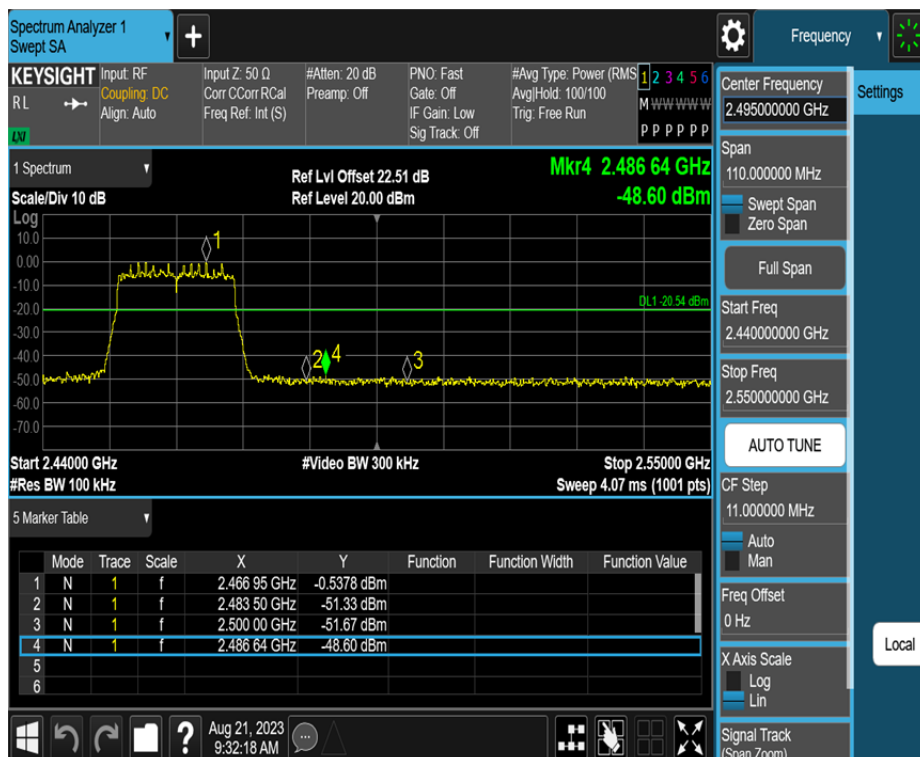
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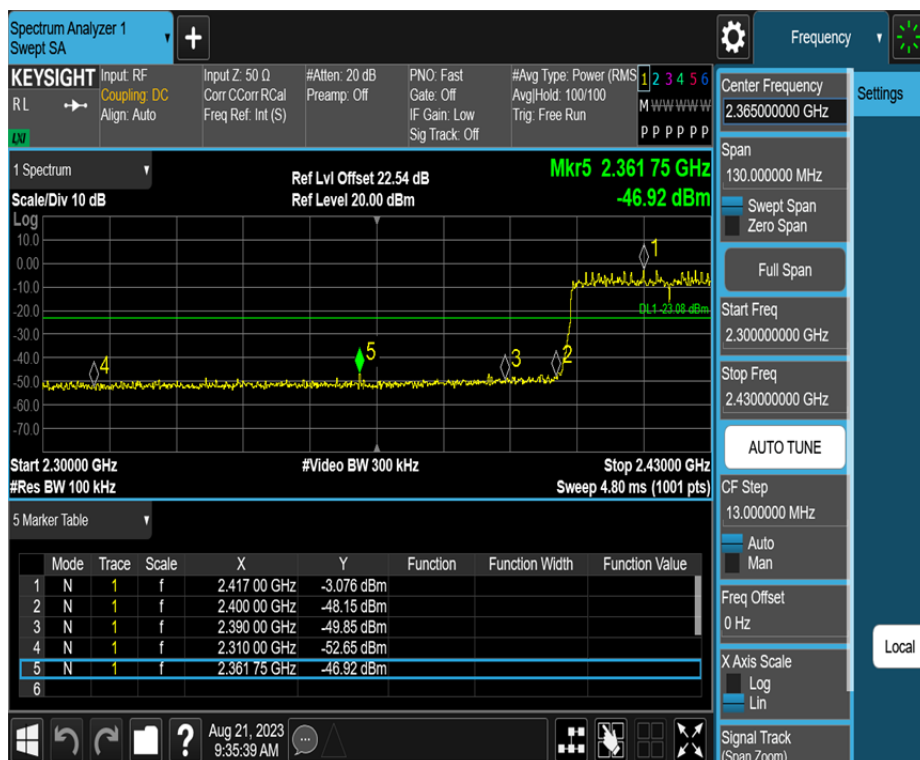
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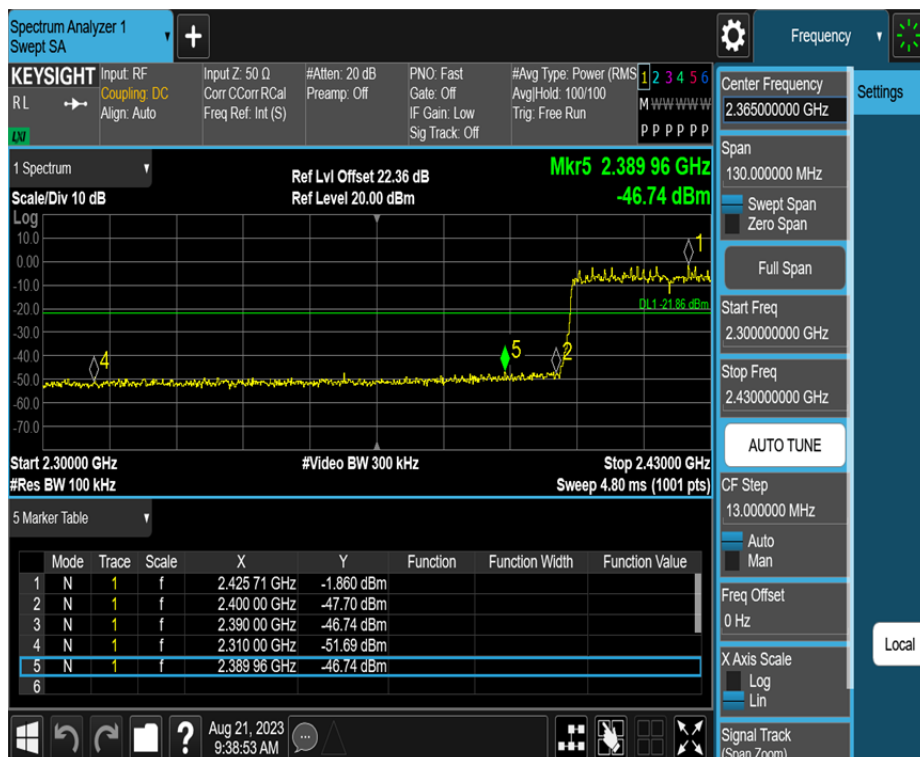
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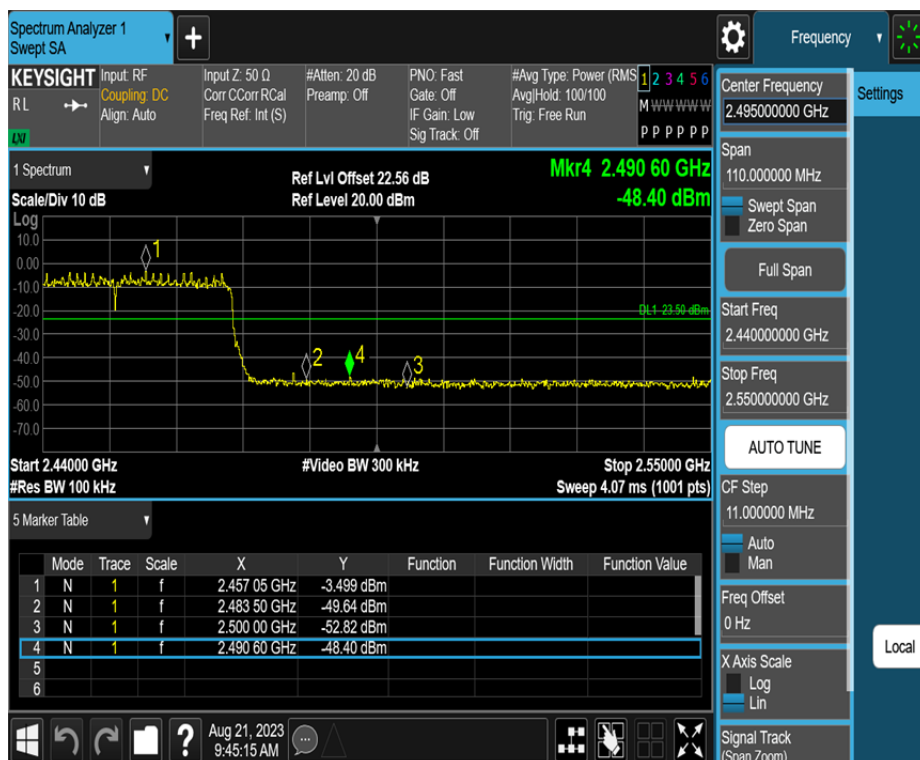
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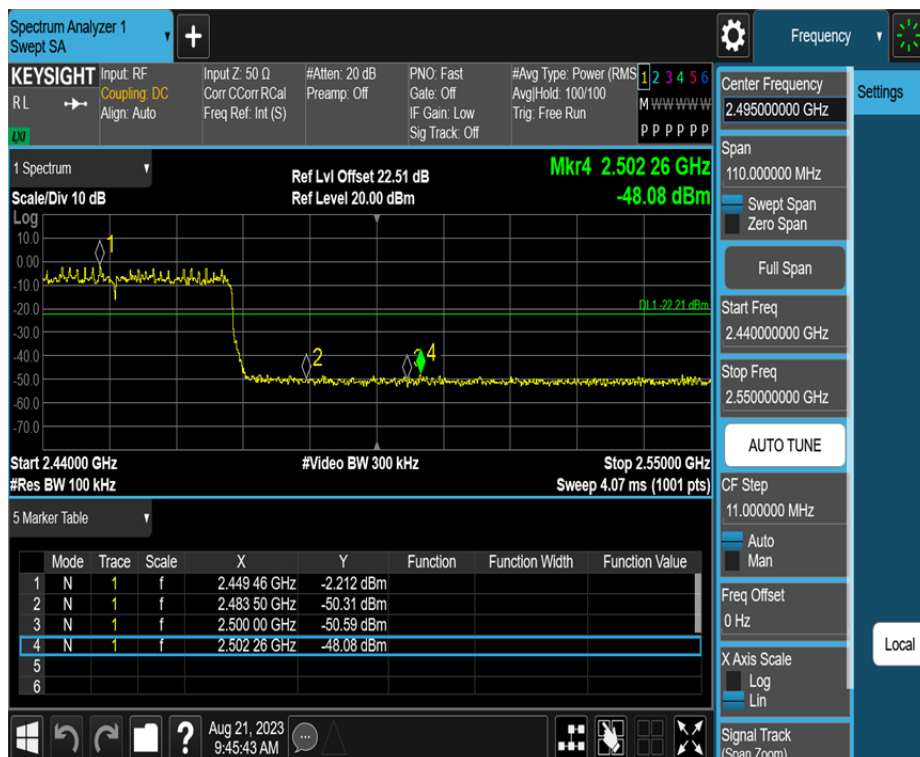
11AX40MIMO_Ant2_Low_2422



11AX40MIMO_Ant1_High_2452



11AX40MIMO_Ant2_High_2452



3.4 6dB Bandwidth

3.4.1 Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

3.4.2 Test Procedure

Test Method	
☒ Conducted Measurement	☐ Radiated Measurement
Test Channels	
☒ Lowest, Middle and Highest Channel	☐ Lowest and Highest Channel
Environmental conditions	
☒ Normal	☐ Normal and Extreme
Note: ☒ : Test ☐ : No Test	

a) The EUT was connected to the tonscend test system, and the spectrum analyser is set as follow:

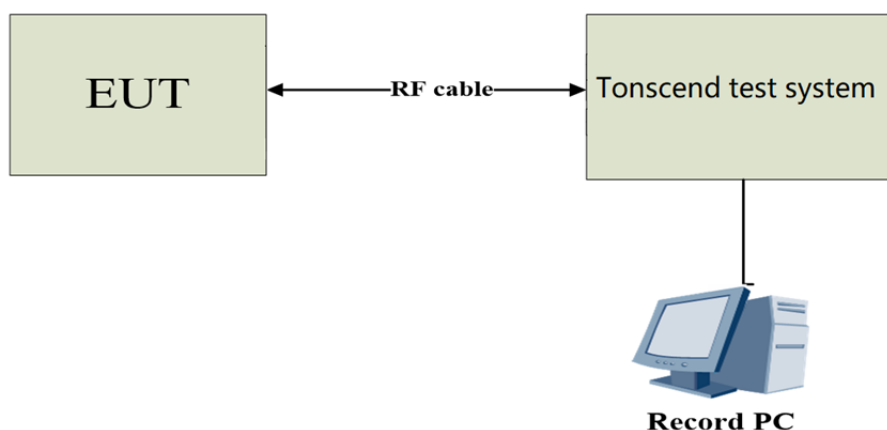
Centre Frequency	The centre frequency of the channel under test
RBW	100kHz
VBW	300kHz
Frequency span	2x Nominal Channel Bandwidth
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

b) Wait for the trace to stabilize then find the peak value of the trace and place the analyser marker on this peak.

c) Use the -6dB bandwidth function of the spectrum analyser to measure the 6dB Bandwidth of the EUT. This value shall be recorded.

d) Make sure that the power envelope is sufficiently above the noise floor of the analyser to avoid the noise signals left and right from the power envelope being taken into account by this measurement.

3.4.3 Test Setup



3.4.4 Test Result

DTS Bandwidth

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	6.040	2408.960	2415.000	0.5	PASS
	Ant2	2412	7.040	2408.480	2415.520	0.5	PASS
	Ant1	2437	7.080	2433.480	2440.560	0.5	PASS
	Ant2	2437	6.560	2433.480	2440.040	0.5	PASS
	Ant1	2462	6.080	2458.960	2465.040	0.5	PASS
	Ant2	2462	6.520	2459.000	2465.520	0.5	PASS
11G	Ant1	2412	16.280	2403.880	2420.160	0.5	PASS
	Ant2	2412	16.280	2403.880	2420.160	0.5	PASS
	Ant1	2437	16.280	2428.880	2445.160	0.5	PASS
	Ant2	2437	16.080	2429.080	2445.160	0.5	PASS
	Ant1	2462	16.280	2453.880	2470.160	0.5	PASS
	Ant2	2462	16.040	2454.120	2470.160	0.5	PASS
11N20MIMO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
	Ant2	2412	17.560	2403.240	2420.800	0.5	PASS
	Ant1	2437	17.320	2428.480	2445.800	0.5	PASS
	Ant2	2437	16.960	2428.840	2445.800	0.5	PASS
	Ant1	2462	17.560	2453.200	2470.760	0.5	PASS
	Ant2	2462	17.560	2453.200	2470.760	0.5	PASS
11N40MIMO	Ant1	2422	35.360	2404.240	2439.600	0.5	PASS
	Ant2	2422	35.920	2403.840	2439.760	0.5	PASS
	Ant1	2437	35.360	2419.240	2454.600	0.5	PASS
	Ant2	2437	35.920	2418.840	2454.760	0.5	PASS
	Ant1	2452	35.920	2433.840	2469.760	0.5	PASS
	Ant2	2452	35.760	2433.840	2469.600	0.5	PASS
11AX20MIMO	Ant1	2412	18.560	2402.920	2421.480	0.5	PASS
	Ant2	2412	18.200	2402.680	2420.880	0.5	PASS
	Ant1	2437	18.640	2427.600	2446.240	0.5	PASS
	Ant2	2437	18.800	2427.680	2446.480	0.5	PASS
	Ant1	2462	18.280	2452.600	2470.880	0.5	PASS
	Ant2	2462	18.680	2452.680	2471.360	0.5	PASS
11AX40MIMO	Ant1	2422	37.520	2403.200	2440.720	0.5	PASS
	Ant2	2422	37.280	2403.200	2440.480	0.5	PASS
	Ant1	2437	36.800	2418.200	2455.000	0.5	PASS
	Ant2	2437	37.200	2418.280	2455.480	0.5	PASS
	Ant1	2452	37.280	2433.200	2470.480	0.5	PASS
	Ant2	2452	36.560	2433.600	2470.160	0.5	PASS