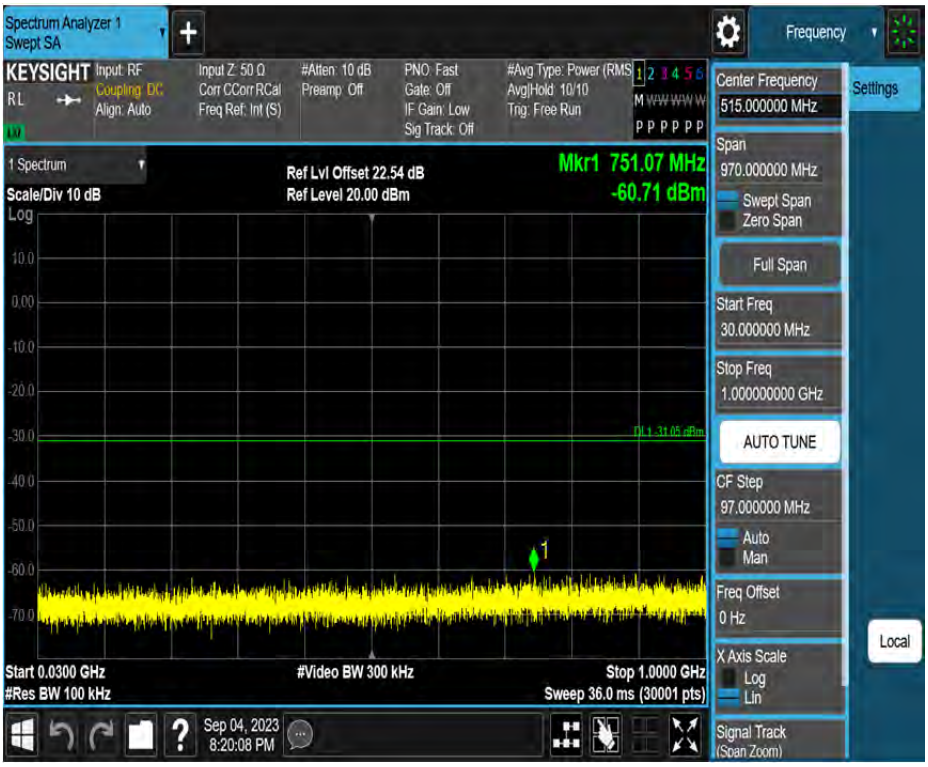
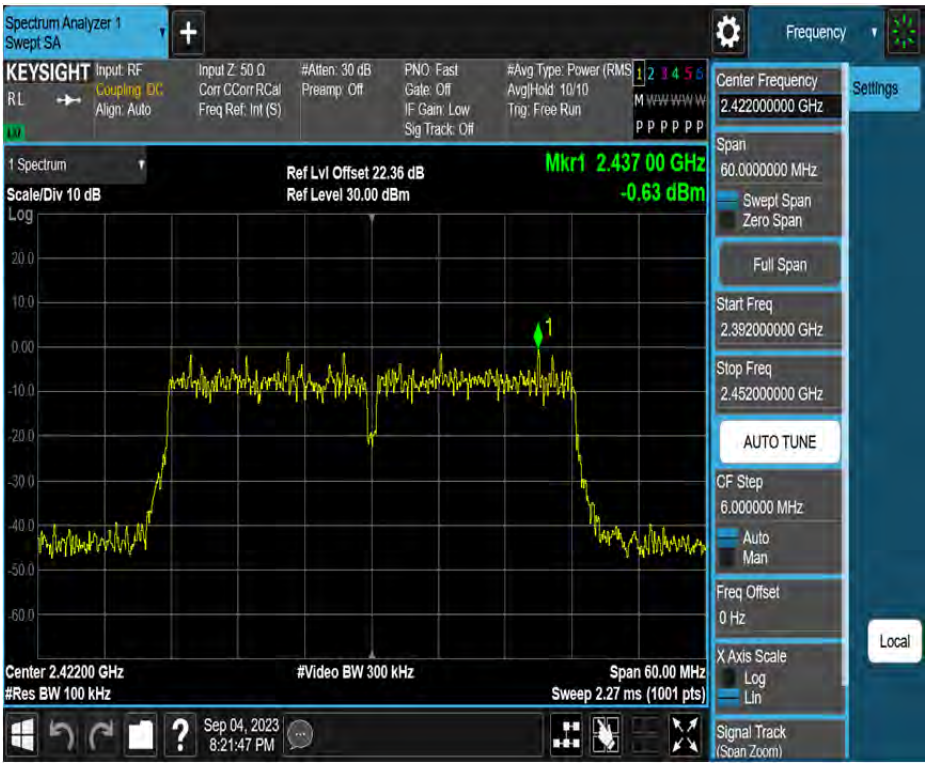
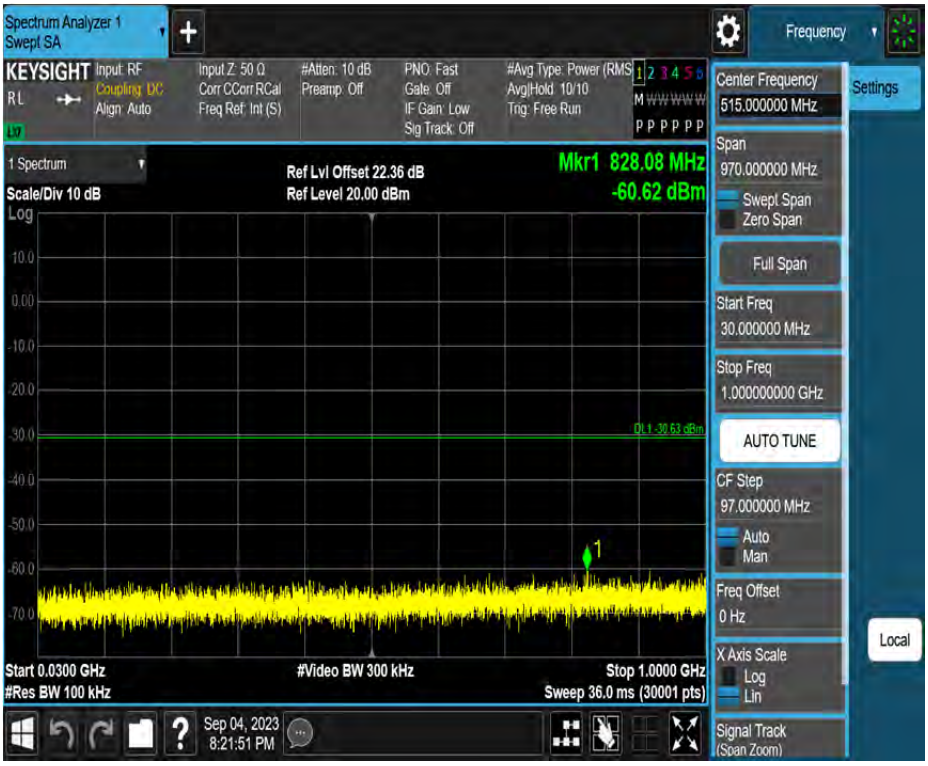
11N20MIMO_Ant3_2462_1000~26500


11N40MIMO_Ant1_2422_0~Reference

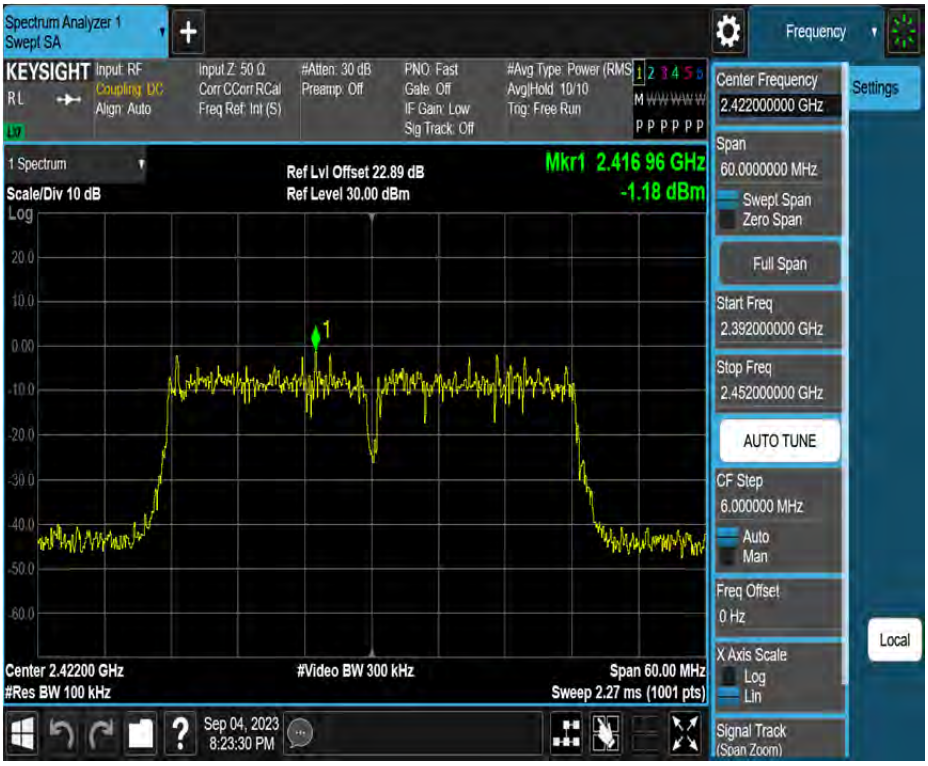

11N40MIMO_Ant1_2422_30~1000


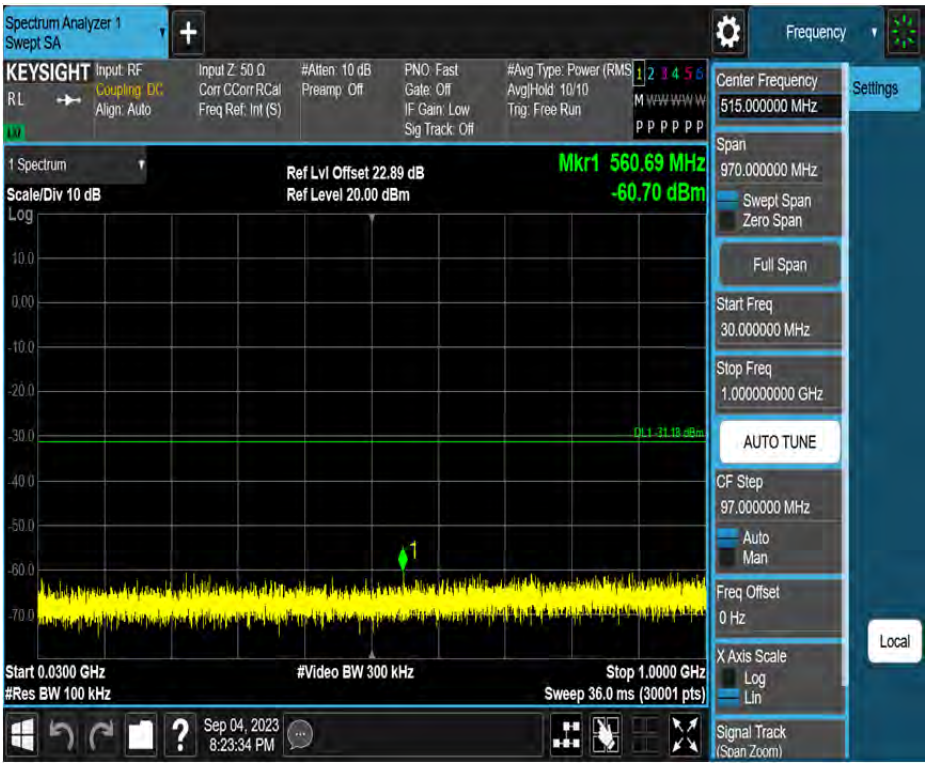
11N40MIMO_Ant1_2422_1000~26500


11N40MIMO_Ant2_2422_0~Reference


11N40MIMO_Ant2_2422_30~1000


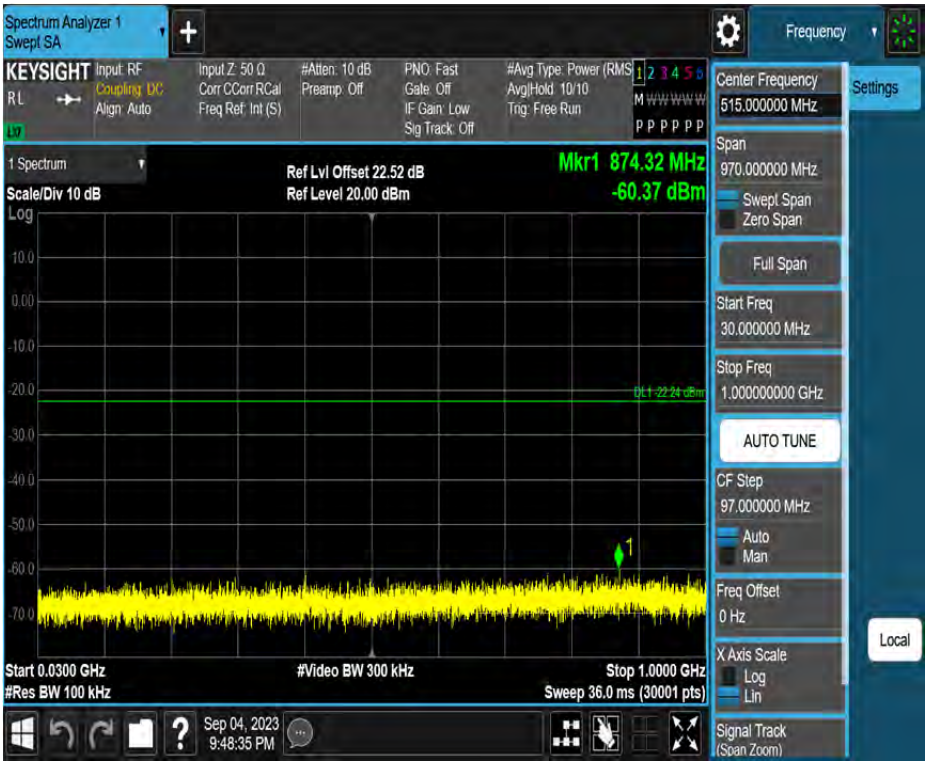
11N40MIMO_Ant2_2422_1000~26500


11N40MIMO_Ant3_2422_0~Reference


11N40MIMO_Ant3_2422_30~1000


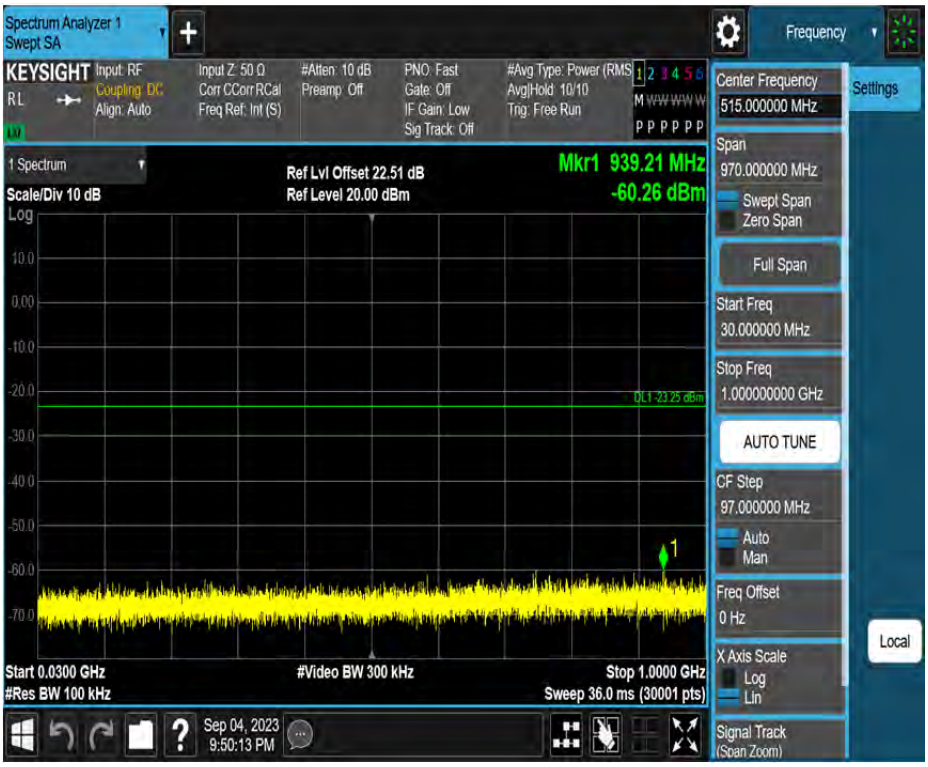
11N40MIMO_Ant3_2422_1000~26500


11N40MIMO_Ant1_2437_0~Reference


11N40MIMO_Ant1_2437_30~1000


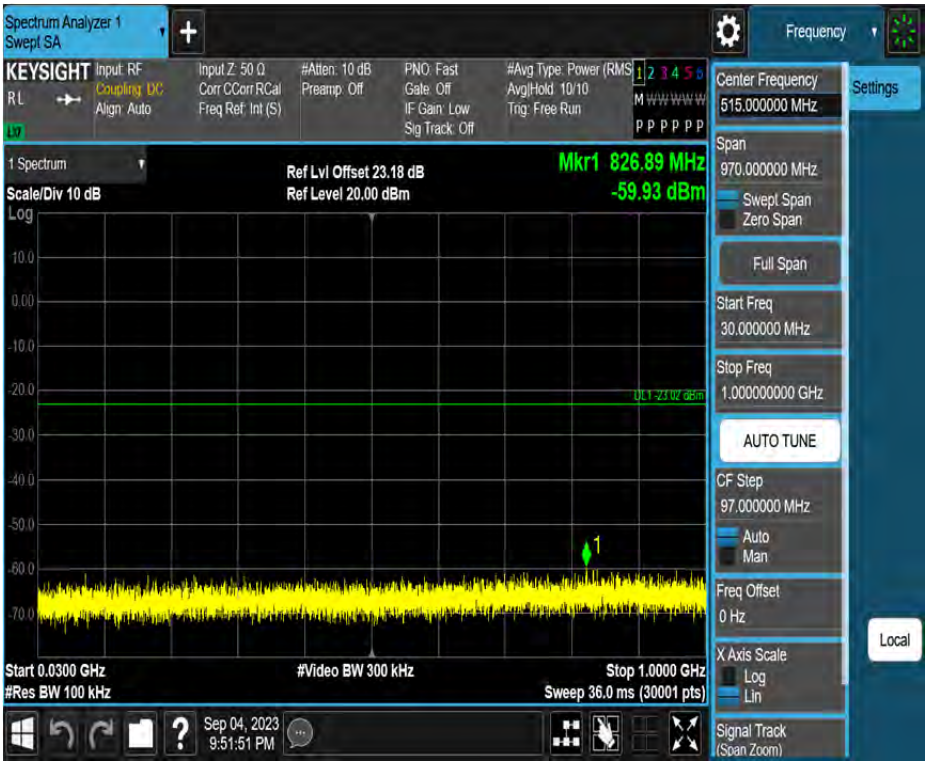
11N40MIMO_Ant1_2437_1000~26500


11N40MIMO_Ant2_2437_0~Reference

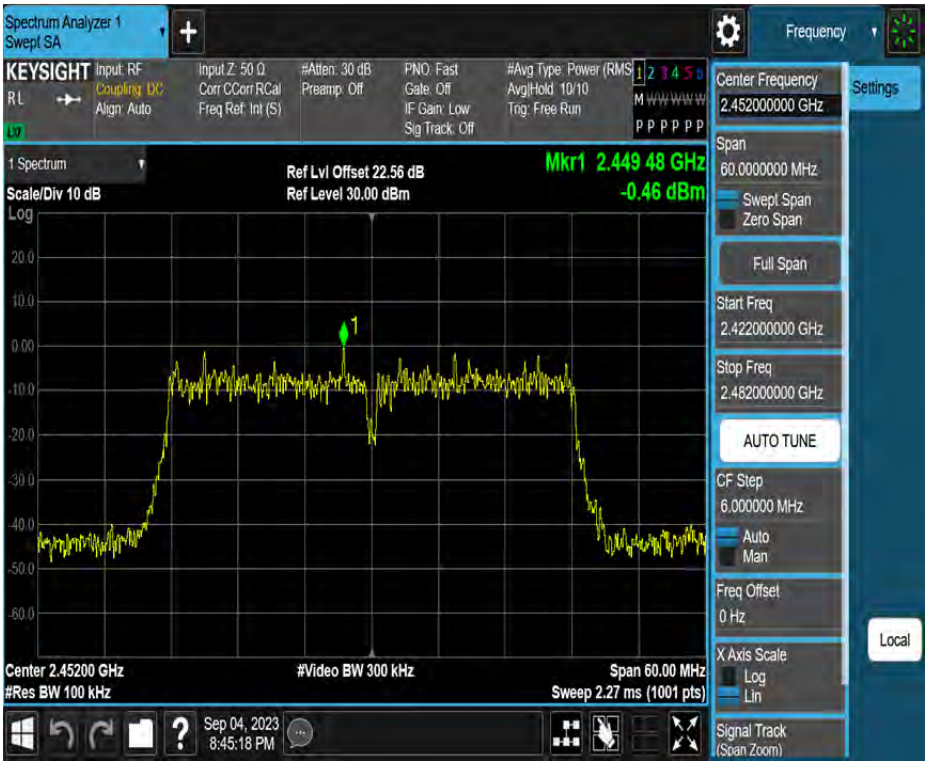

11N40MIMO_Ant2_2437_30~1000


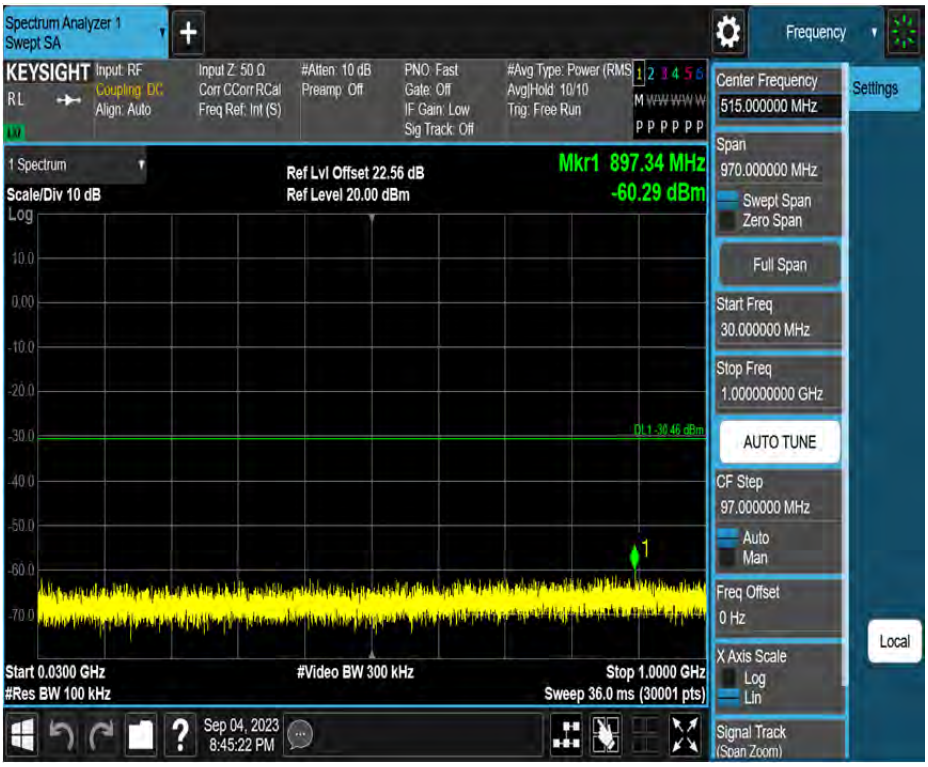
11N40MIMO_Ant2_2437_1000~26500


11N40MIMO_Ant3_2437_0~Reference

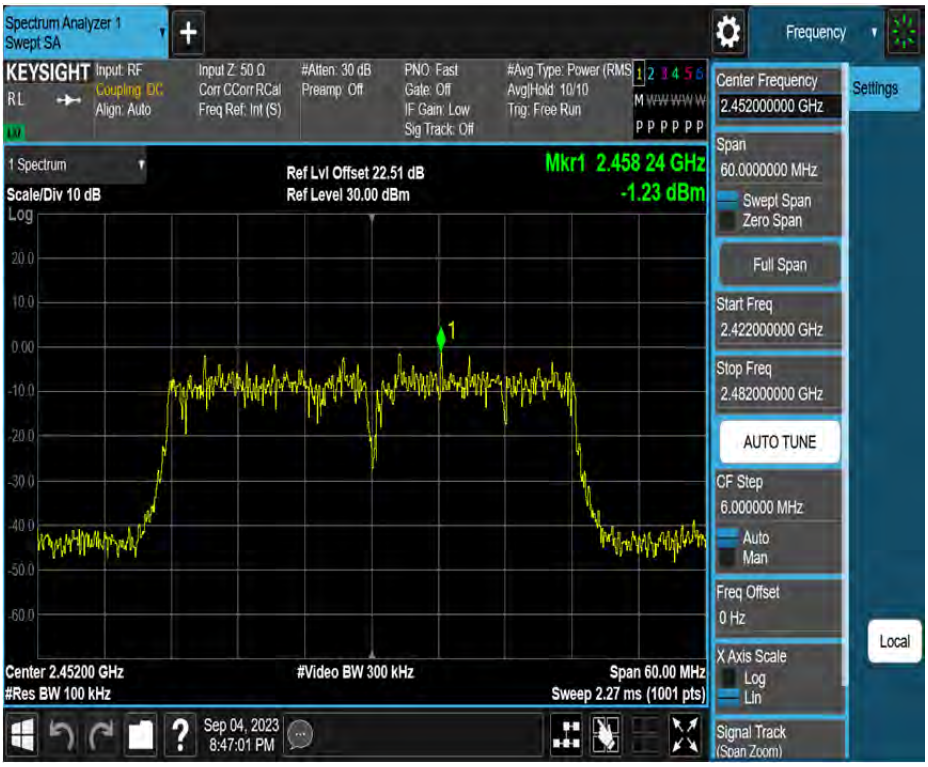

11N40MIMO_Ant3_2437_30~1000


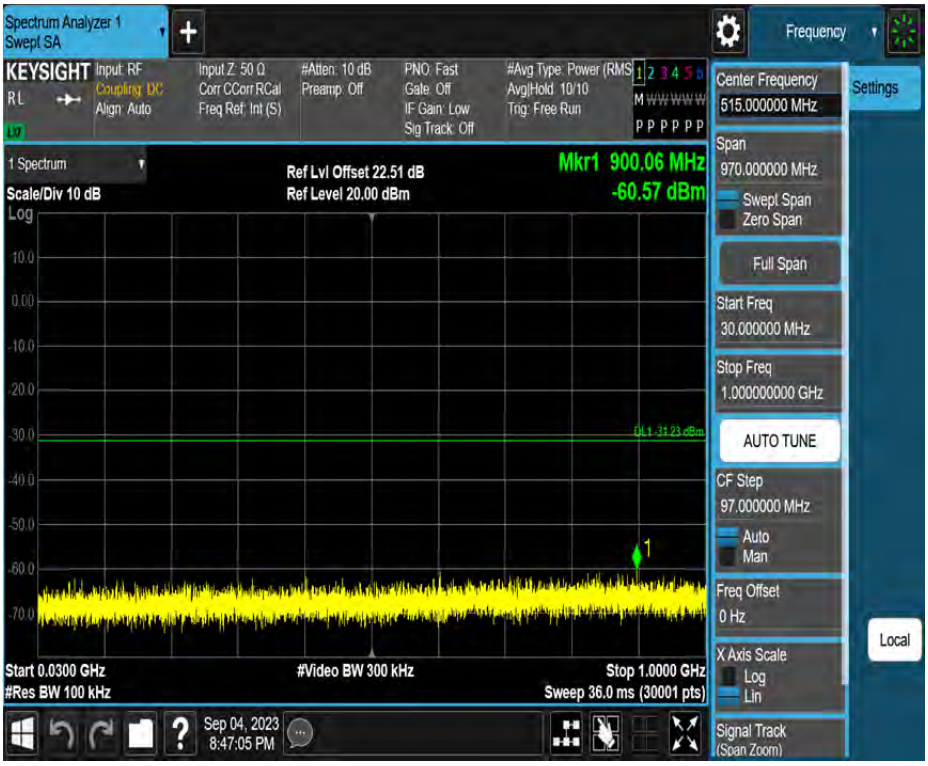
11N40MIMO_Ant3_2437_1000~26500


11N40MIMO_Ant1_2452_0~Reference


11N40MIMO_Ant1_2452_30~1000


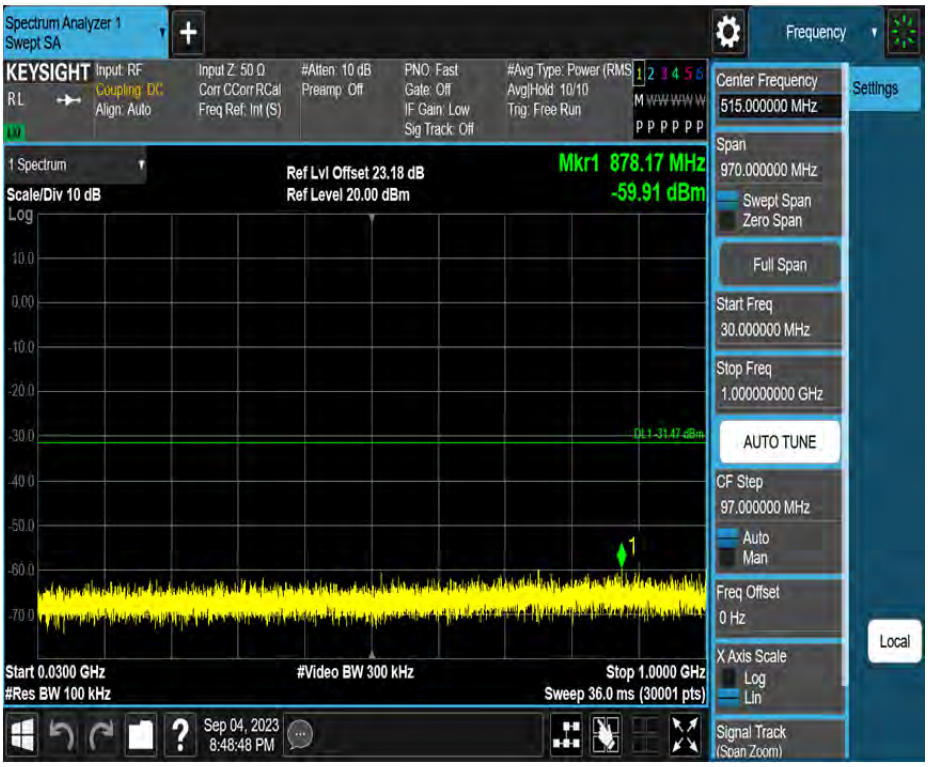
11N40MIMO_Ant1_2452_1000~26500


11N40MIMO_Ant2_2452_0~Reference


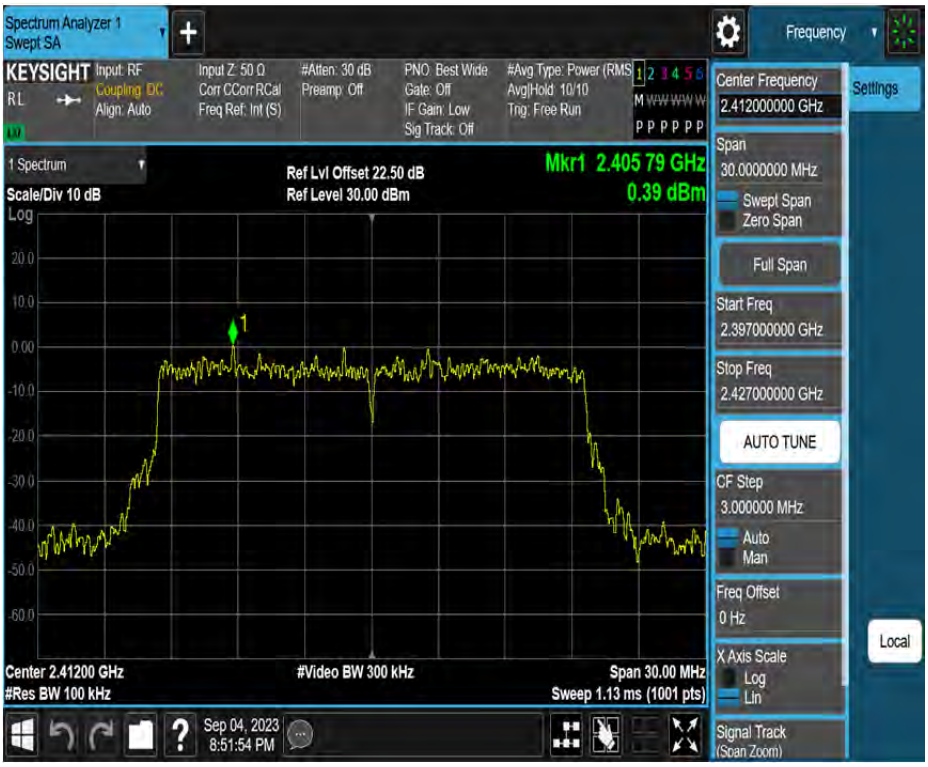
11N40MIMO_Ant2_2452_30~1000


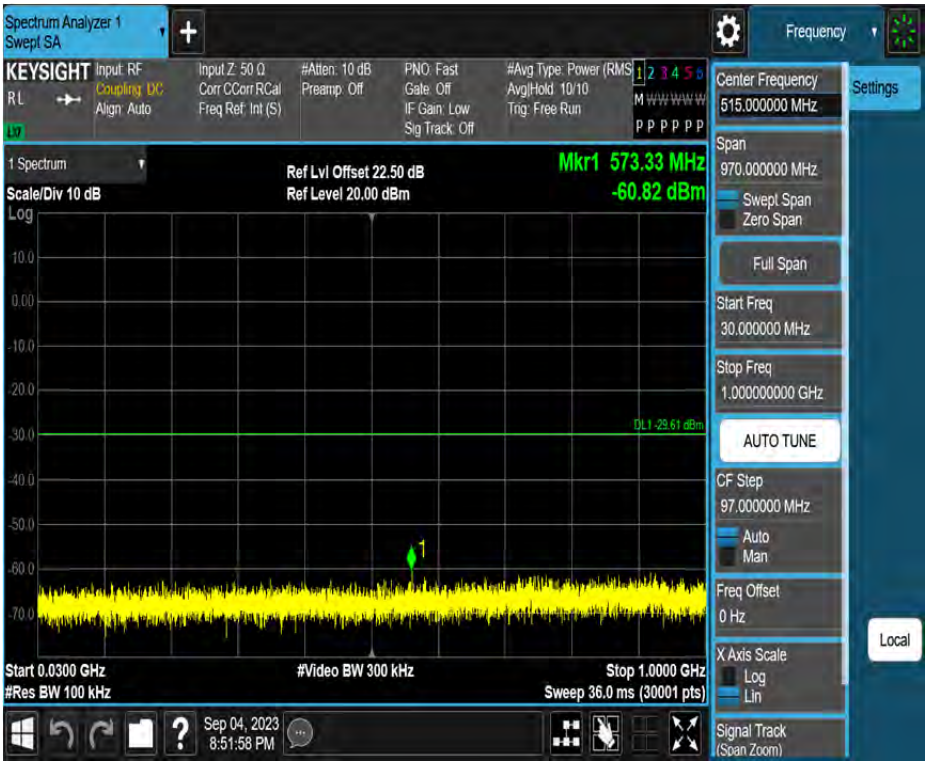
11N40MIMO_Ant2_2452_1000~26500


11N40MIMO_Ant3_2452_0~Reference

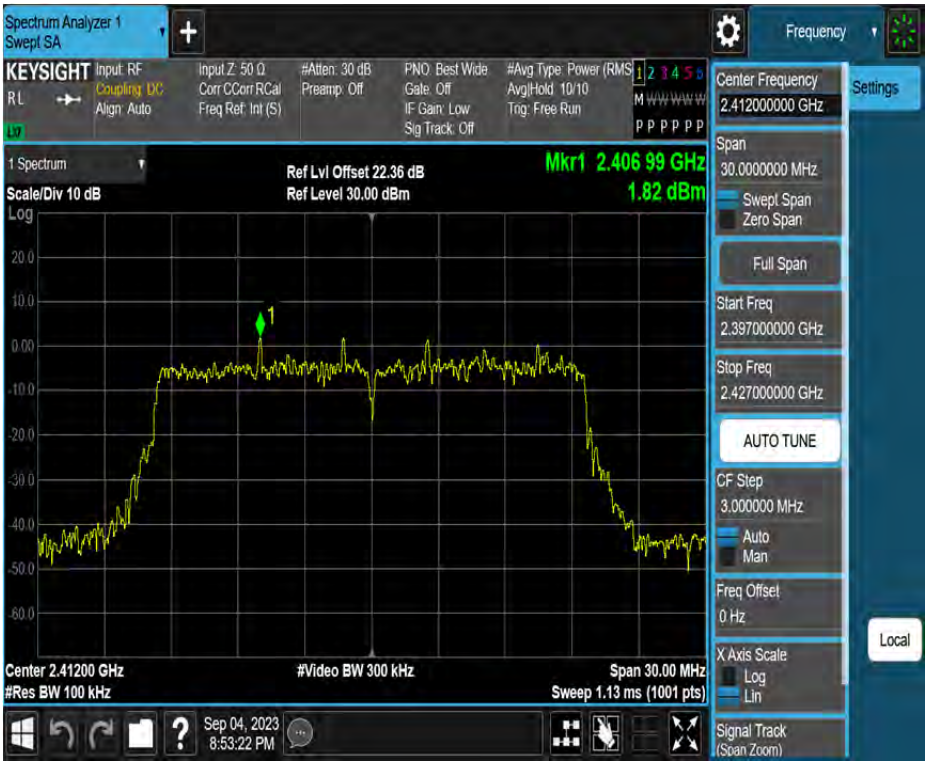

11N40MIMO_Ant3_2452_30~1000


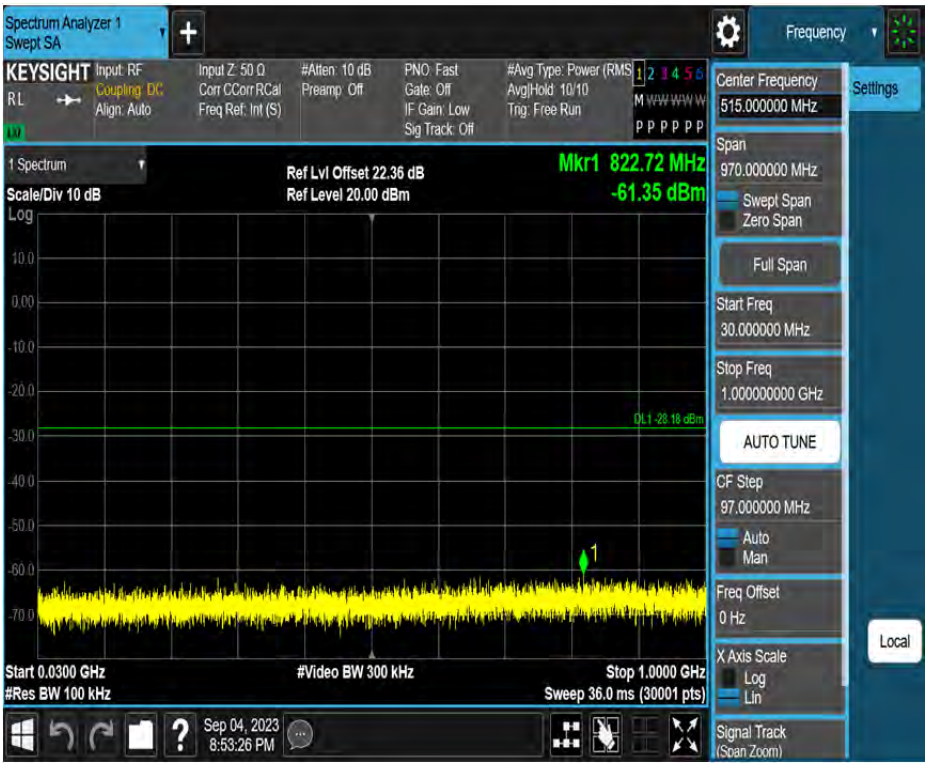
11N40MIMO_Ant3_2452_1000~26500


11AX20MIMO_Ant1_2412_0~Reference


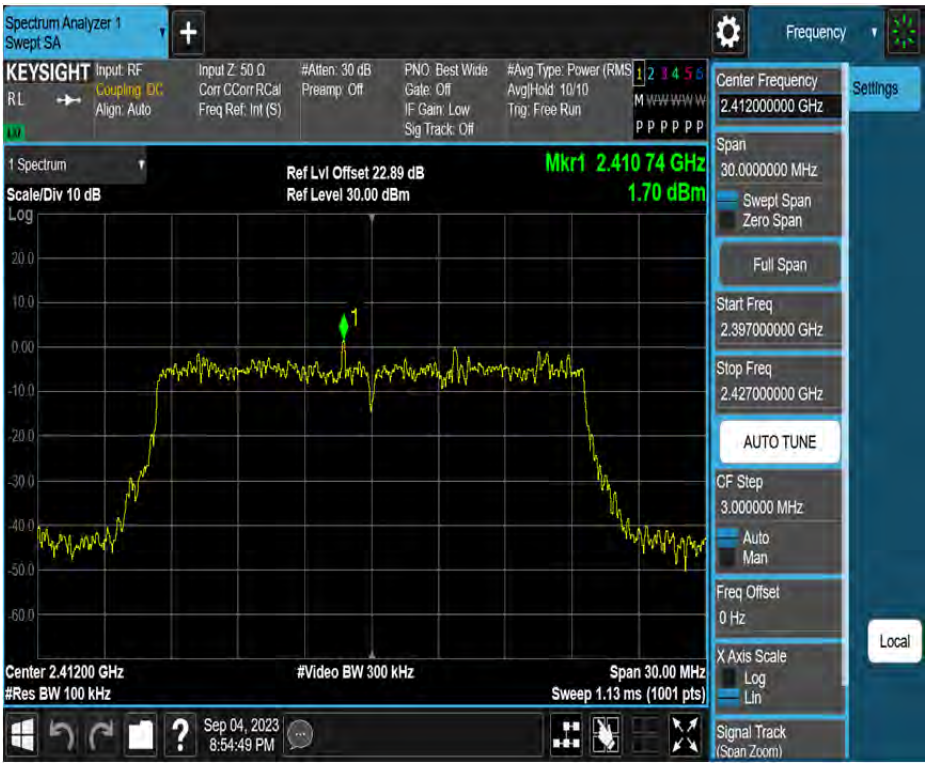
11AX20MIMO_Ant1_2412_30~1000


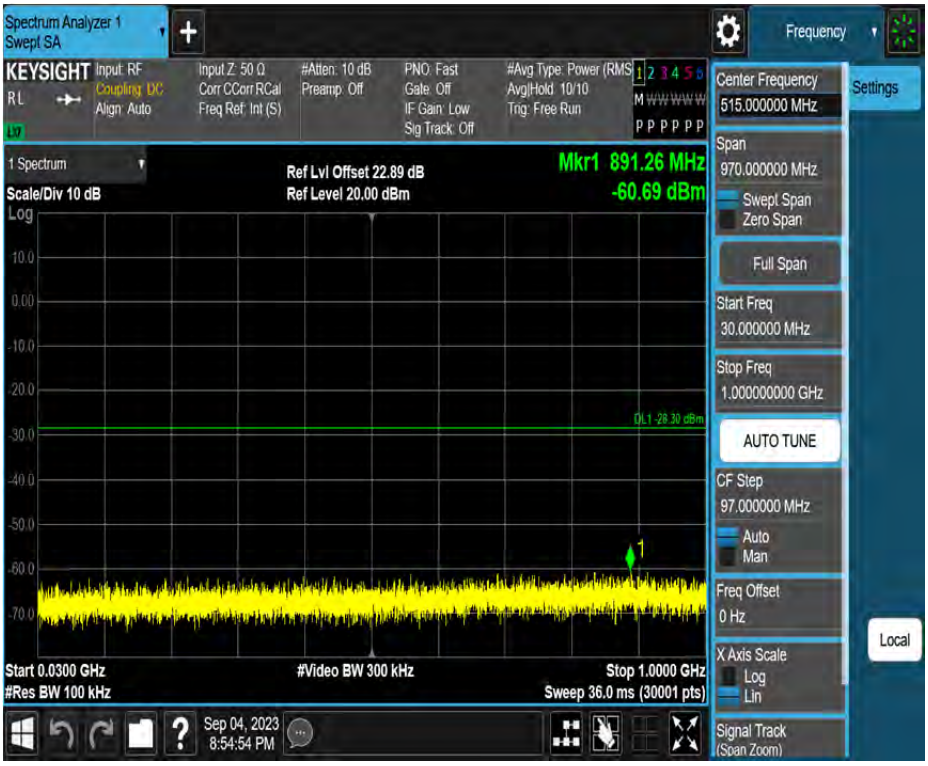
11AX20MIMO_Ant1_2412_1000~26500


11AX20MIMO_Ant2_2412_0~Reference


11AX20MIMO_Ant2_2412_30~1000


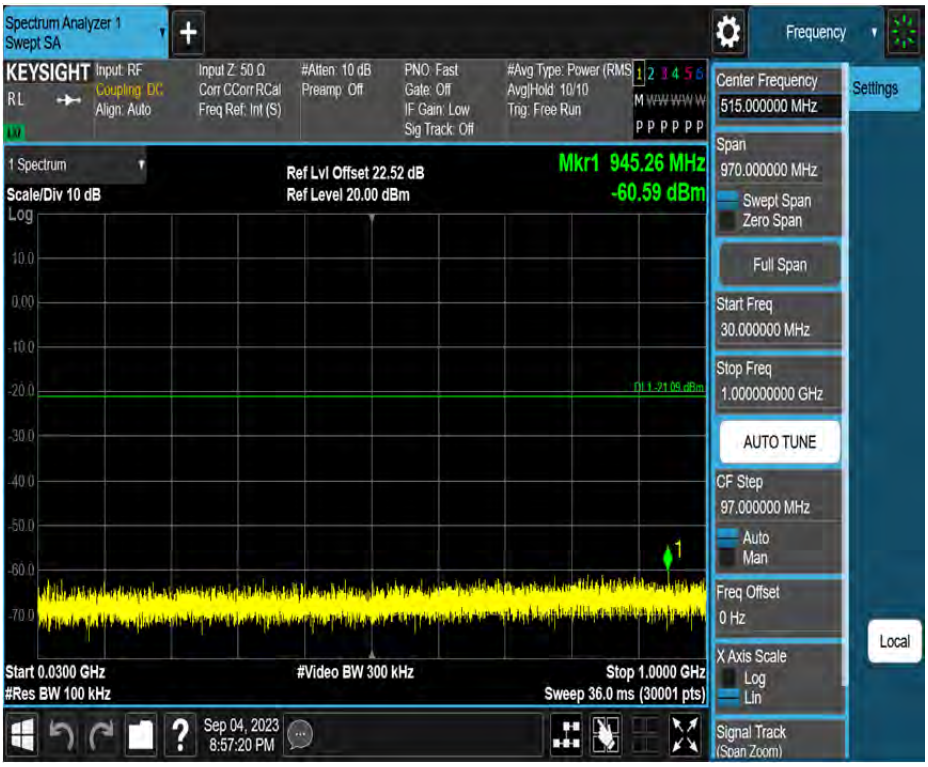
11AX20MIMO_Ant2_2412_1000~26500


11AX20MIMO_Ant3_2412_0~Reference


11AX20MIMO_Ant3_2412_30~1000


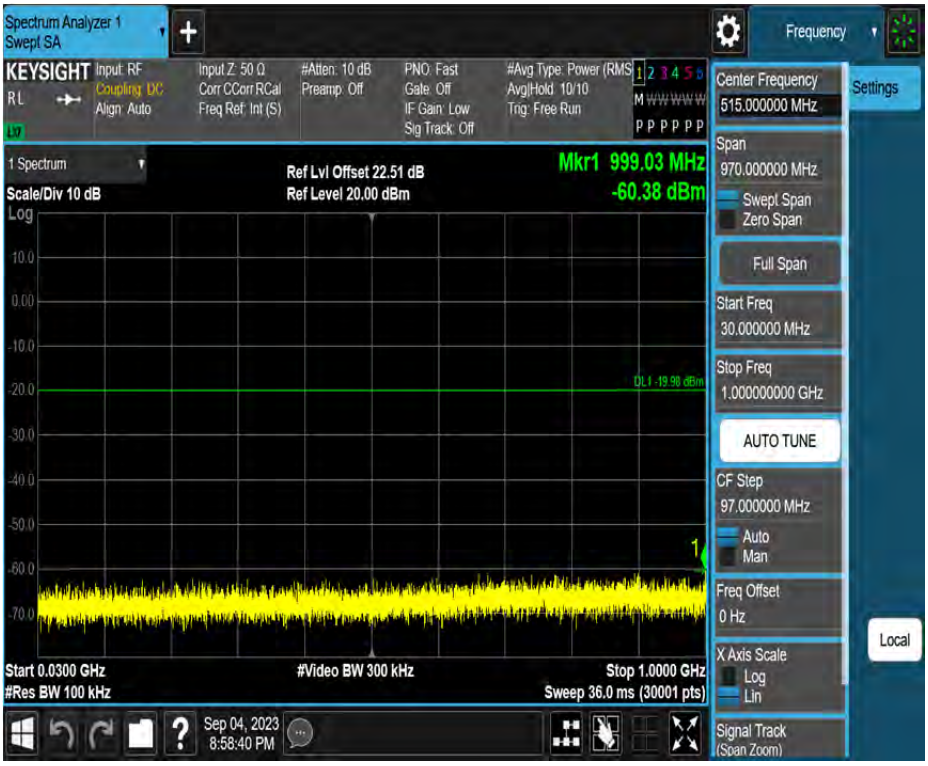
11AX20MIMO_Ant3_2412_1000~26500


11AX20MIMO_Ant1_2437_0~Reference


11AX20MIMO_Ant1_2437_30~1000


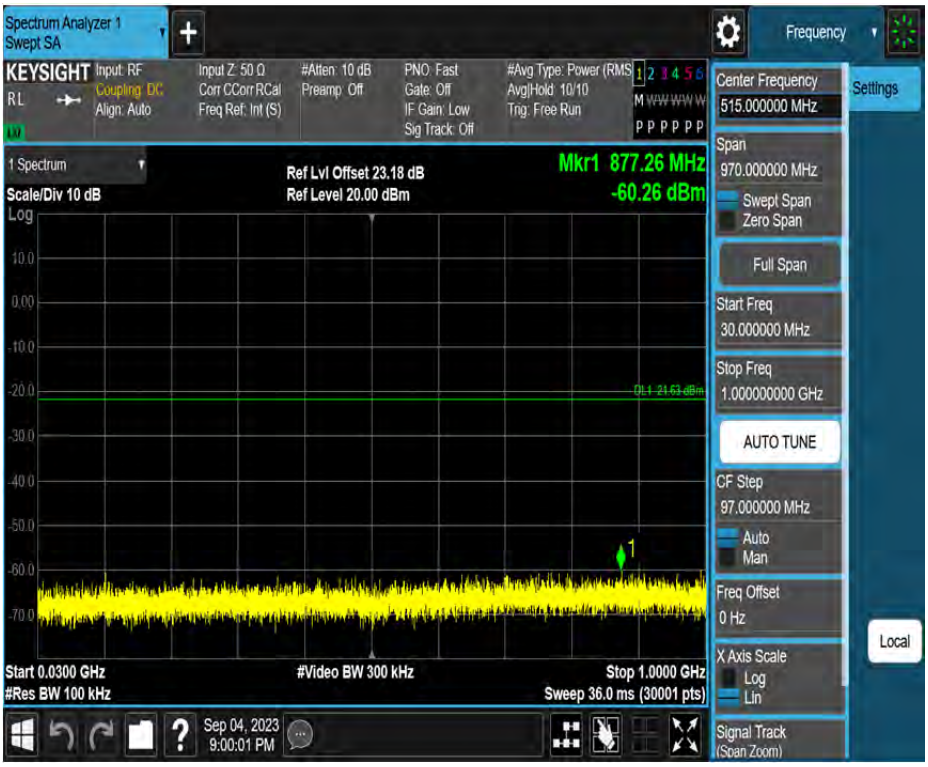
11AX20MIMO_Ant1_2437_1000~26500


11AX20MIMO_Ant2_2437_0~Reference

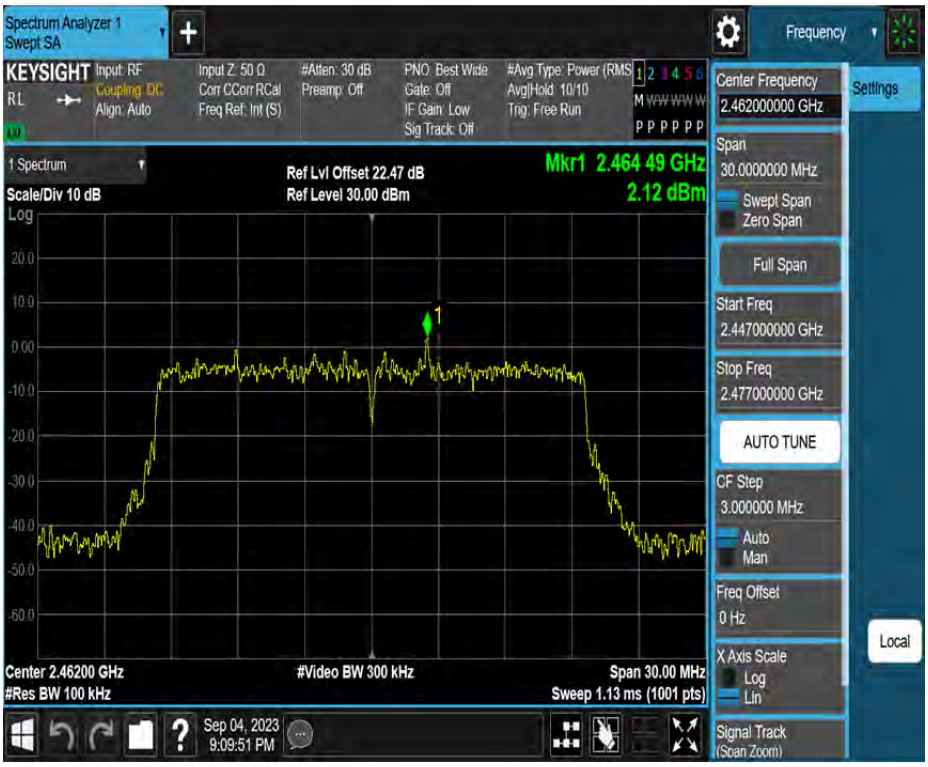

11AX20MIMO_Ant2_2437_30~1000


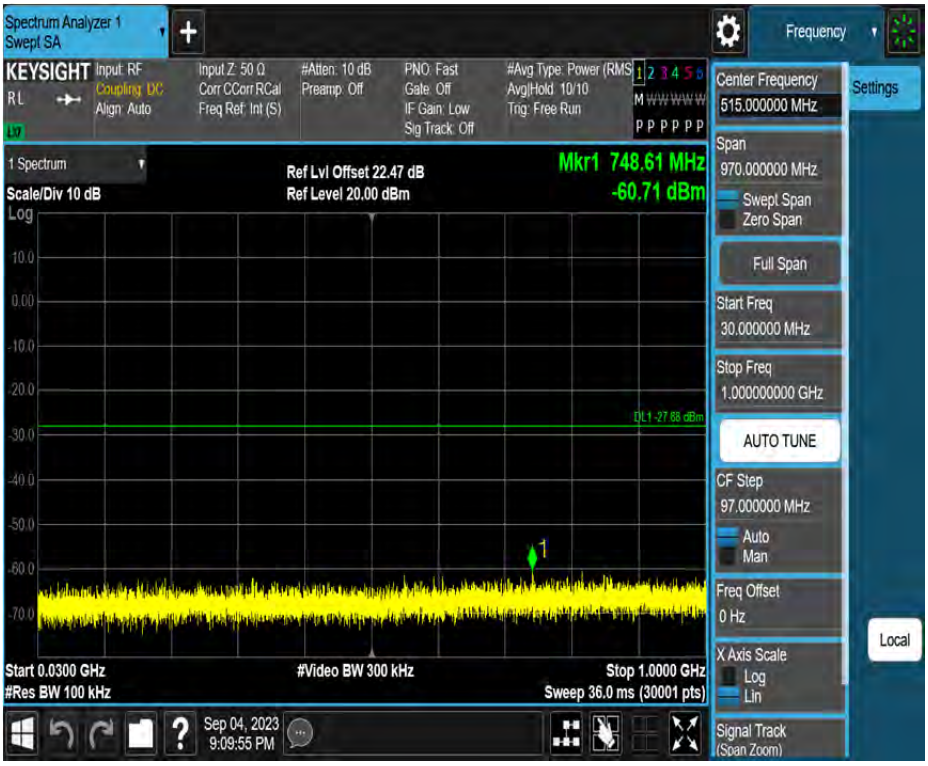
11AX20MIMO_Ant2_2437_1000~26500

11AX20MIMO_Ant3_2437_0~Reference

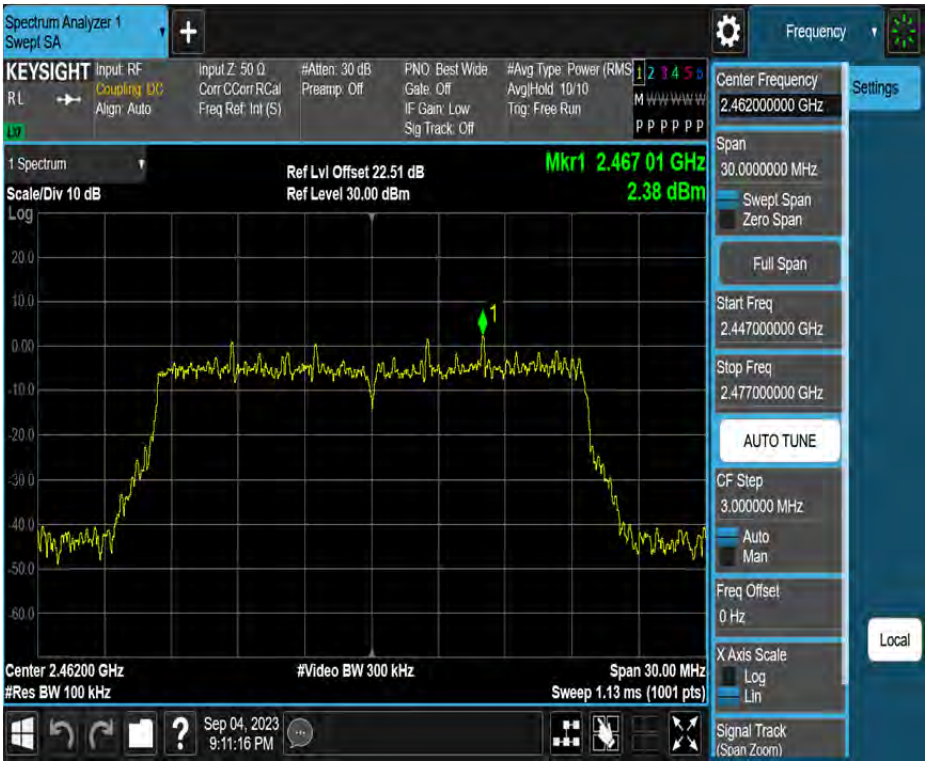

11AX20MIMO_Ant3_2437_30~1000


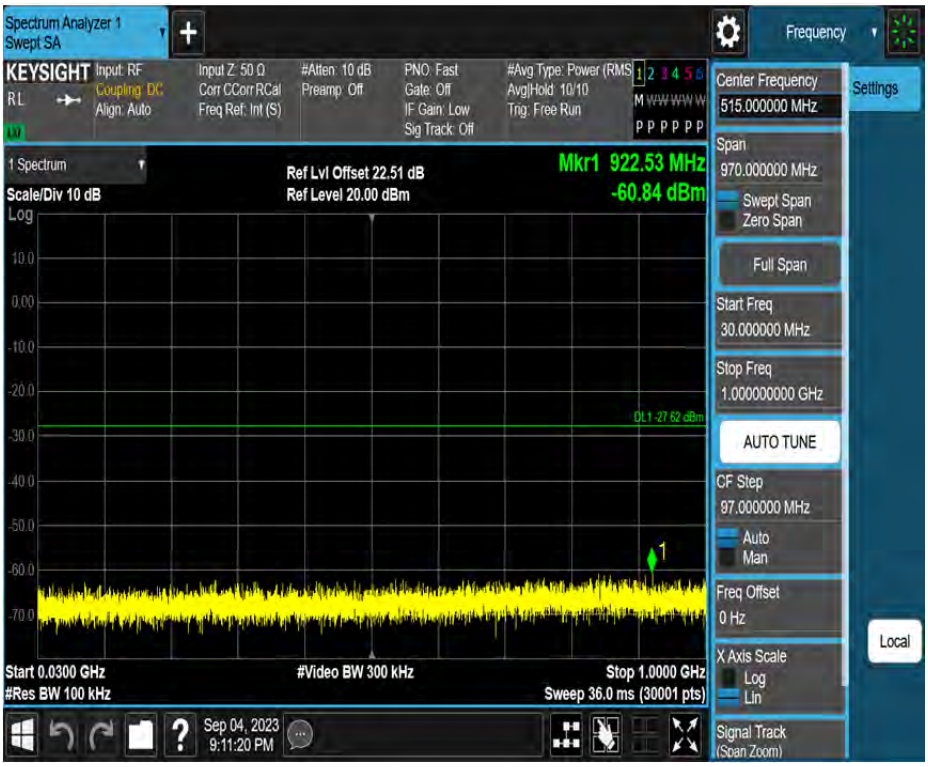
11AX20MIMO_Ant3_2437_1000~26500


11AX20MIMO_Ant1_2462_0~Reference


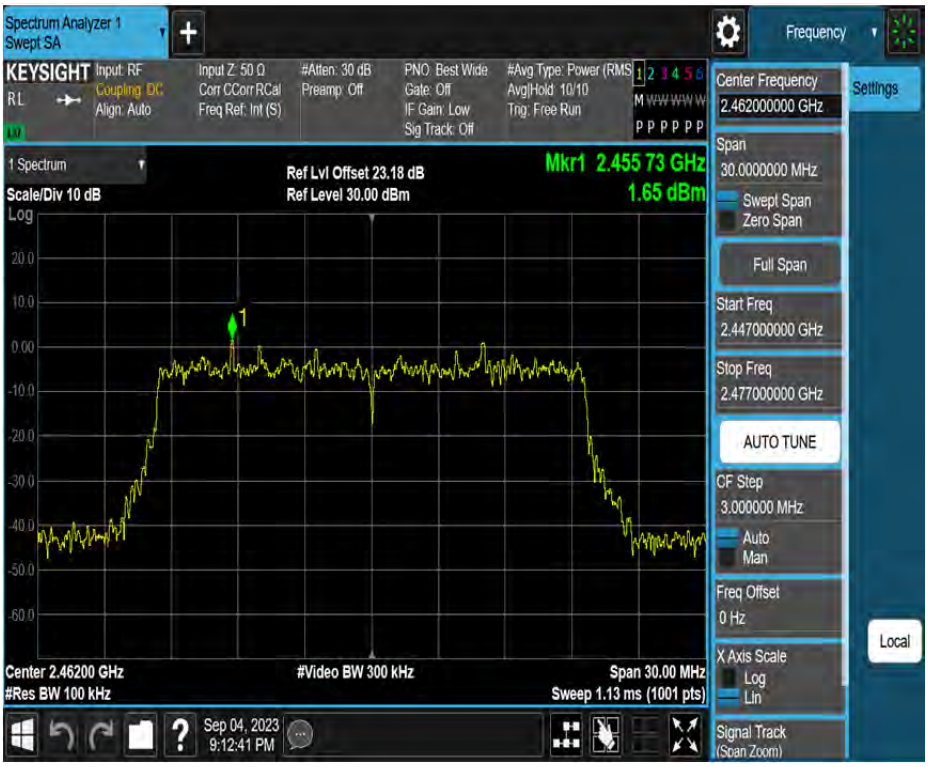
11AX20MIMO_Ant1_2462_30~1000


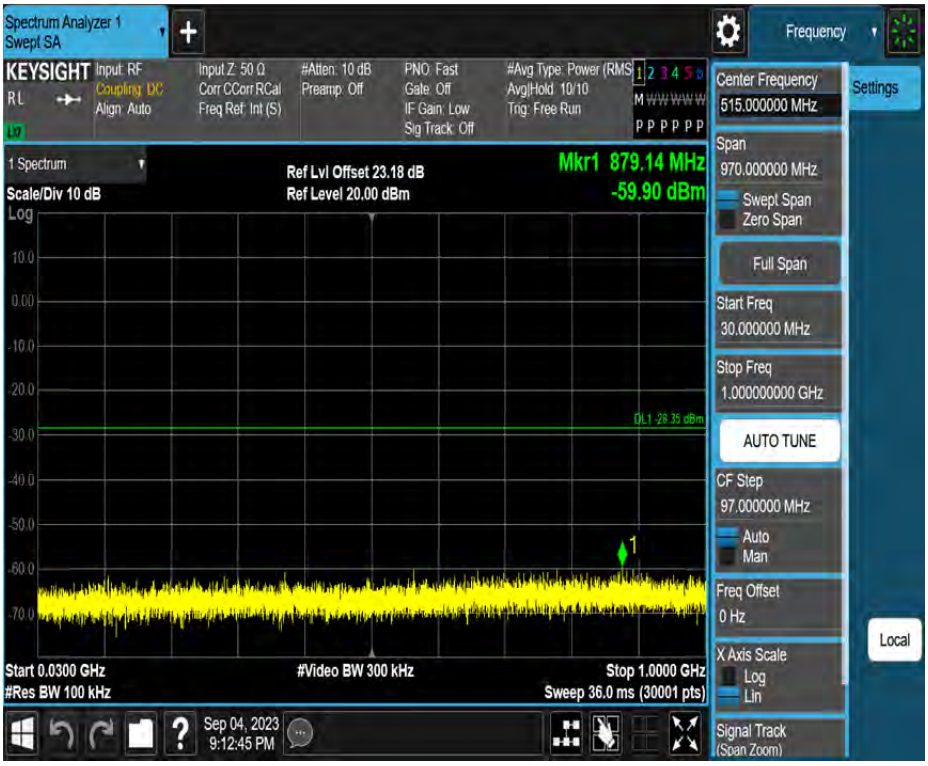
11AX20MIMO_Ant1_2462_1000~26500


11AX20MIMO_Ant2_2462_0~Reference


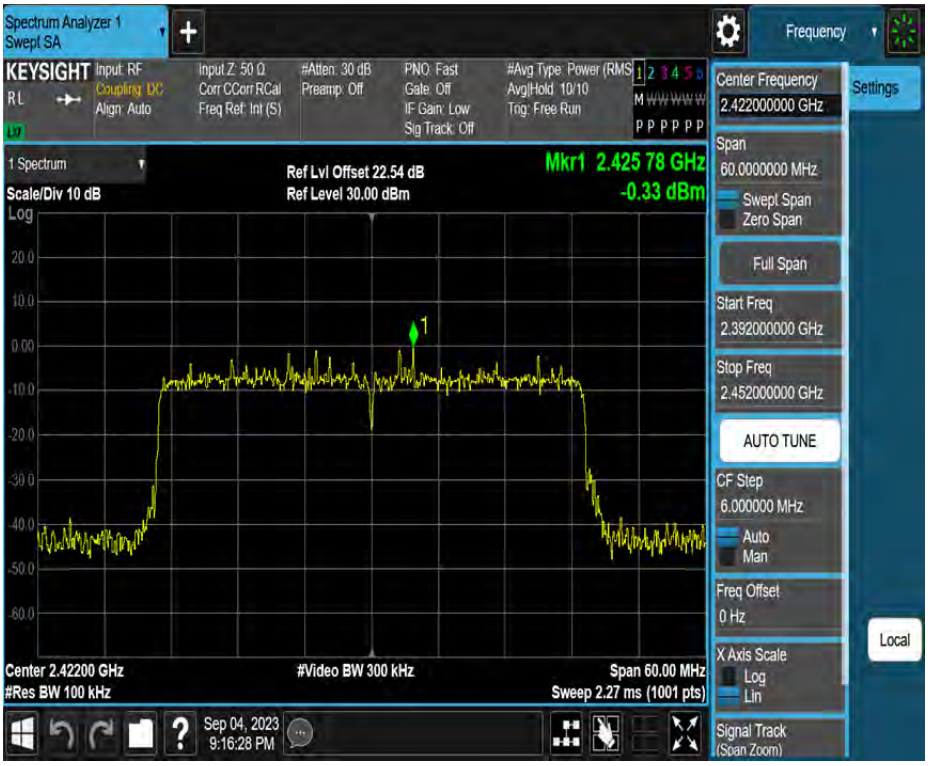
11AX20MIMO_Ant2_2462_30~1000


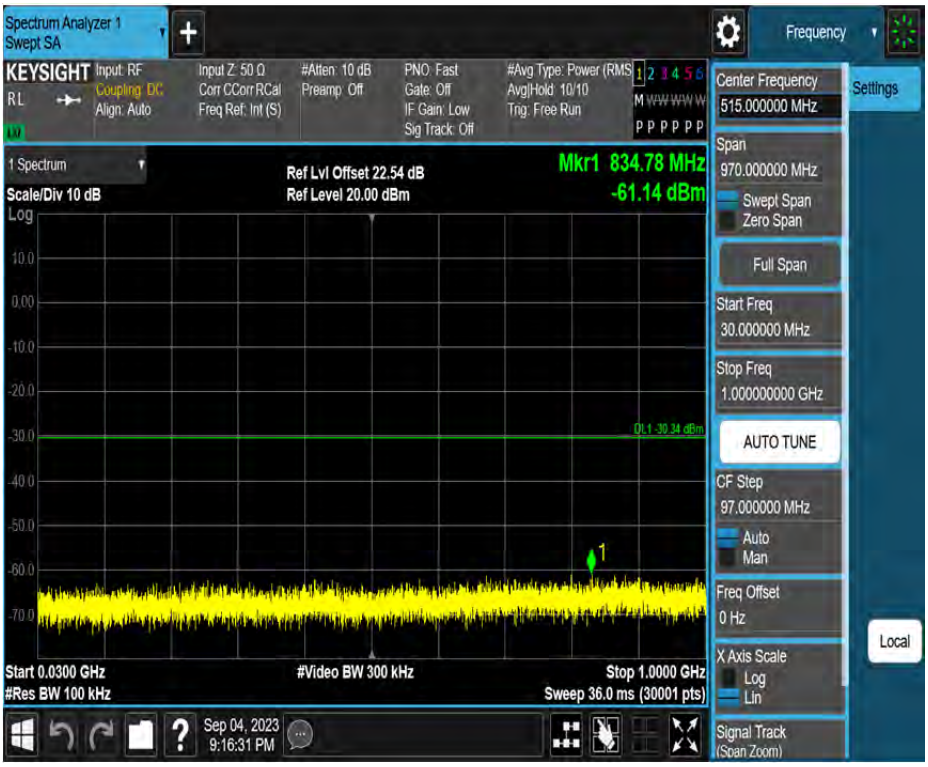
11AX20MIMO_Ant2_2462_1000~26500


11AX20MIMO_Ant3_2462_0~Reference


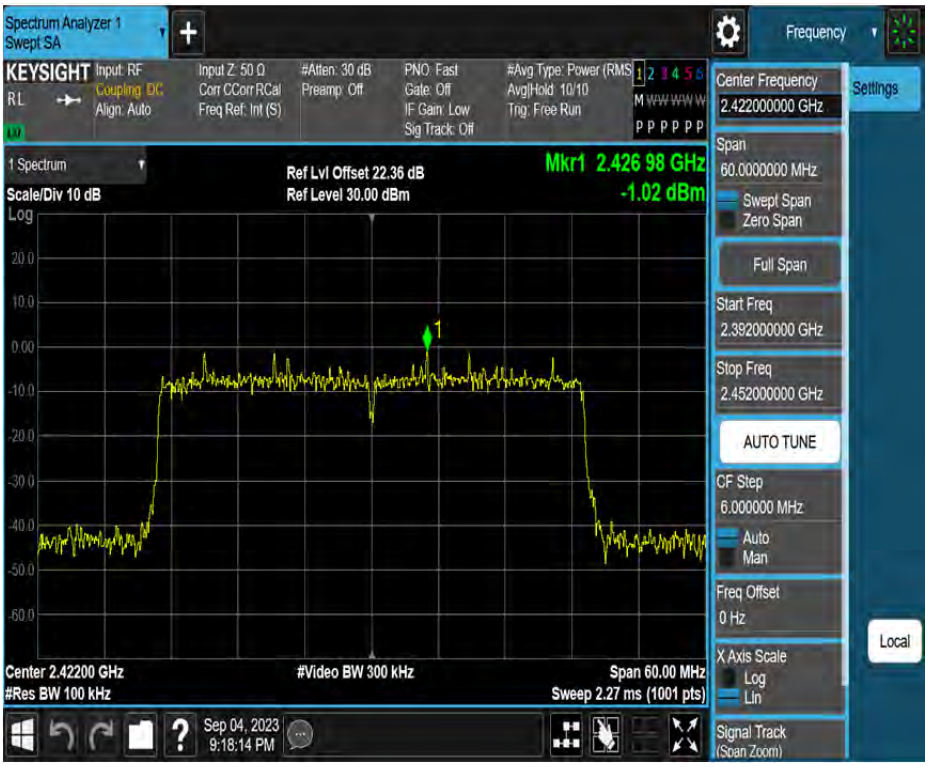
11AX20MIMO_Ant3_2462_30~1000


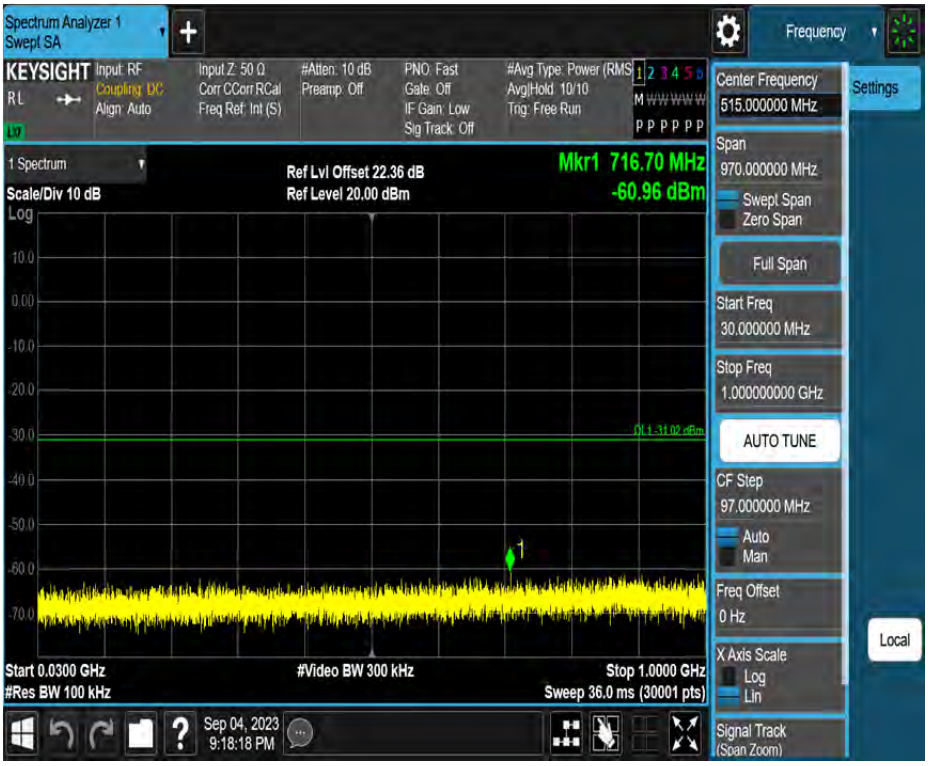
11AX20MIMO_Ant3_2462_1000~26500


11AX40MIMO_Ant1_2422_0~Reference


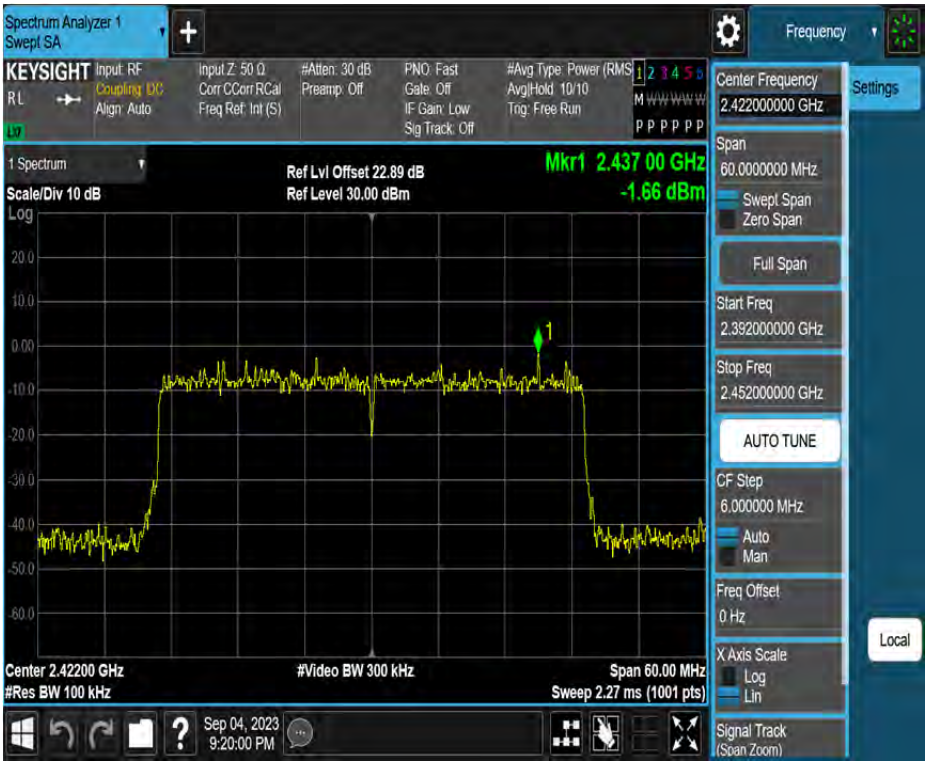
11AX40MIMO_Ant1_2422_30~1000


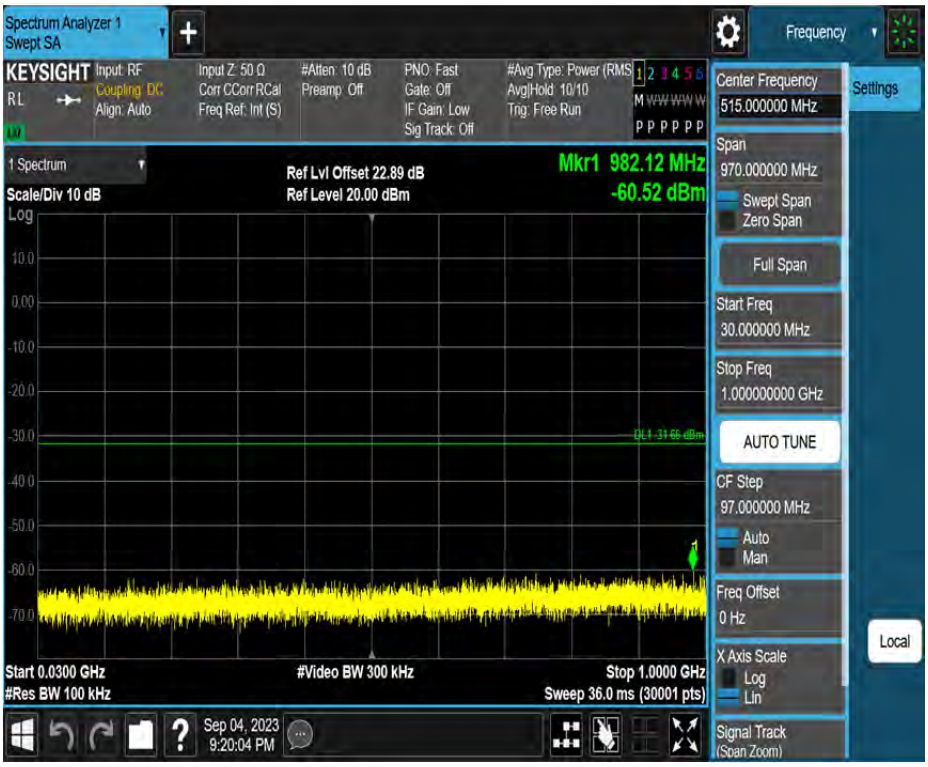
11AX40MIMO_Ant1_2422_1000~26500


11AX40MIMO_Ant2_2422_0~Reference


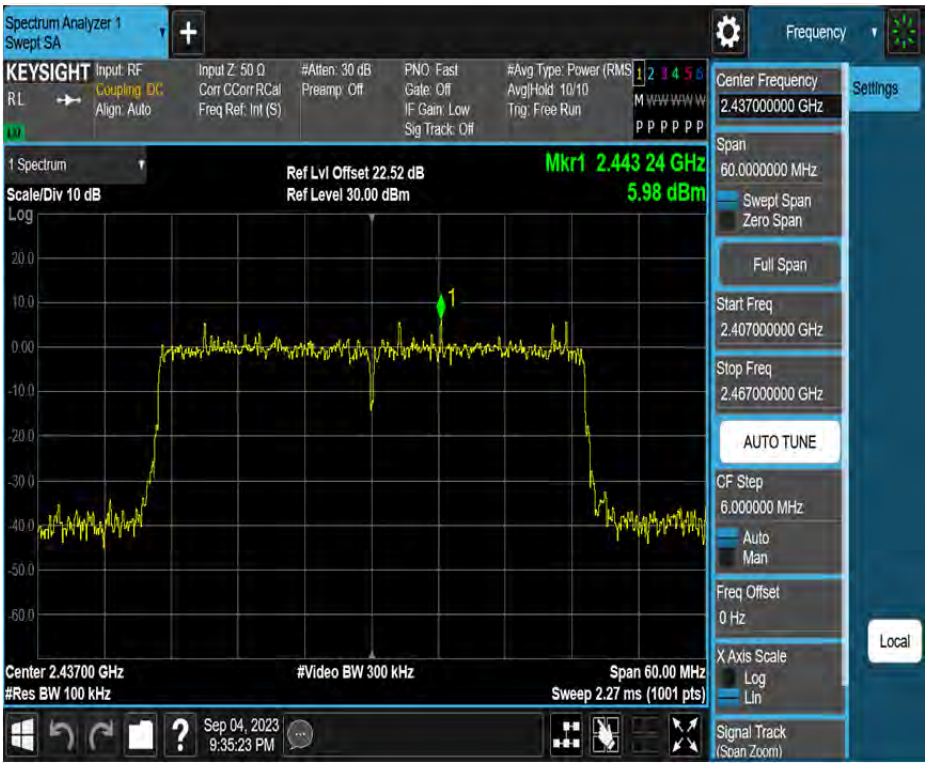
11AX40MIMO_Ant2_2422_30~1000


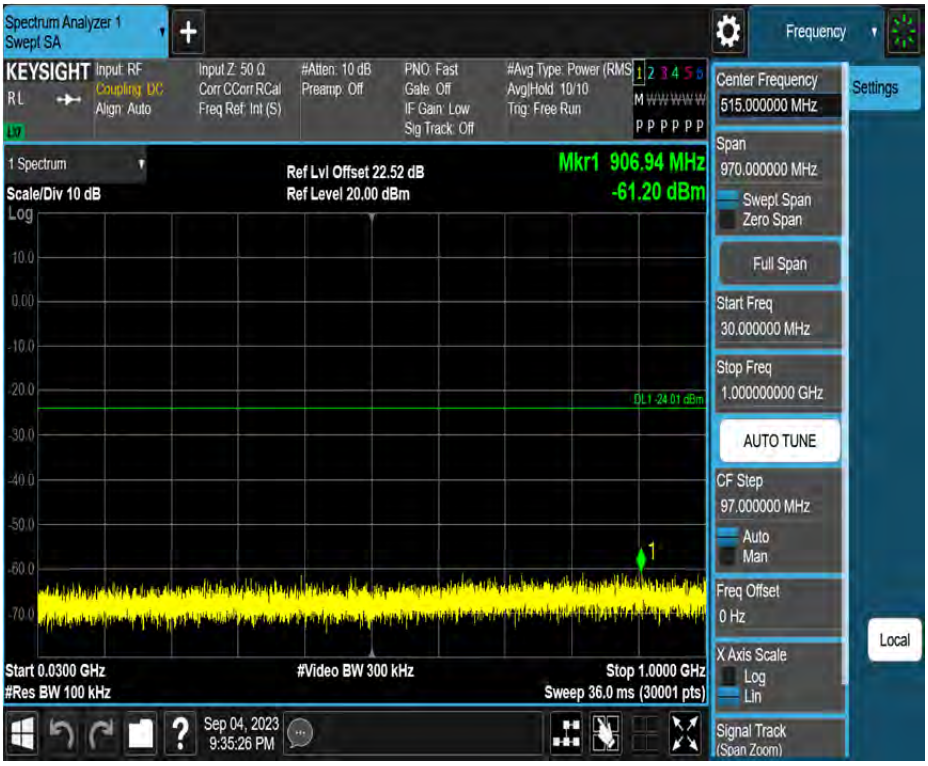
11AX40MIMO_Ant2_2422_1000~26500


11AX40MIMO_Ant3_2422_0~Reference


11AX40MIMO_Ant3_2422_30~1000


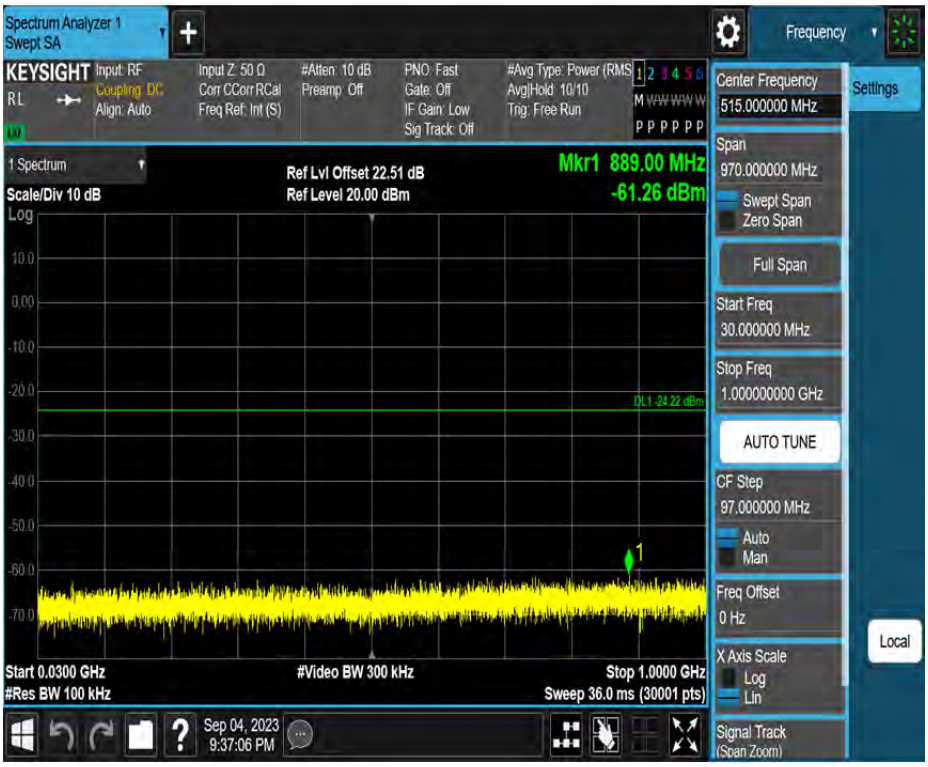
11AX40MIMO_Ant3_2422_1000~26500


11AX40MIMO_Ant1_2437_0~Reference


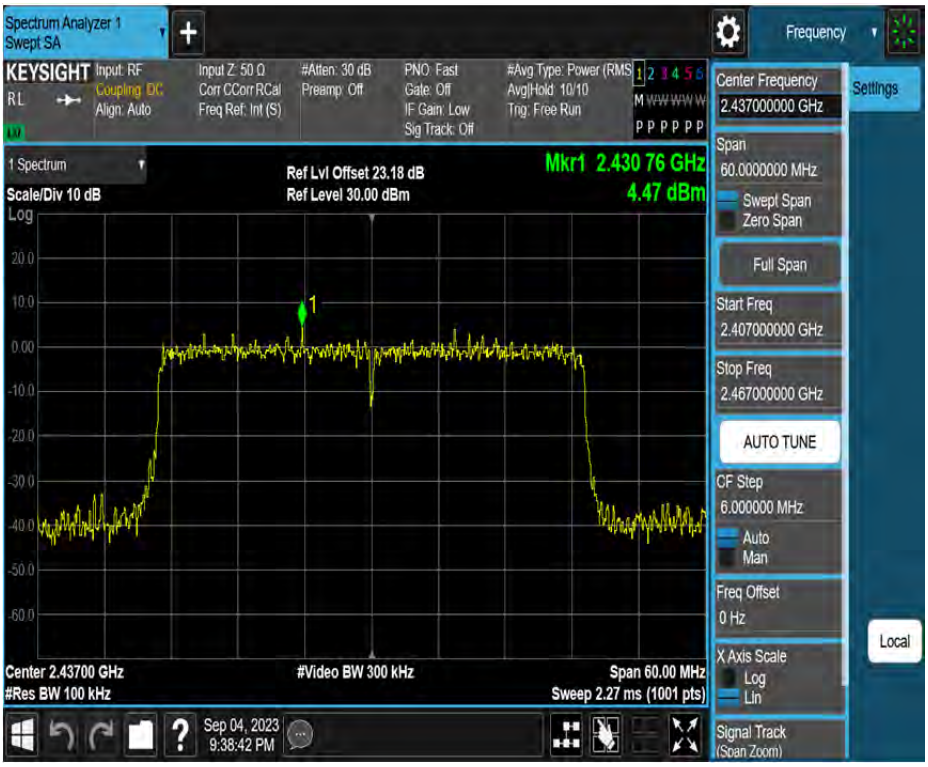
11AX40MIMO_Ant1_2437_30~1000


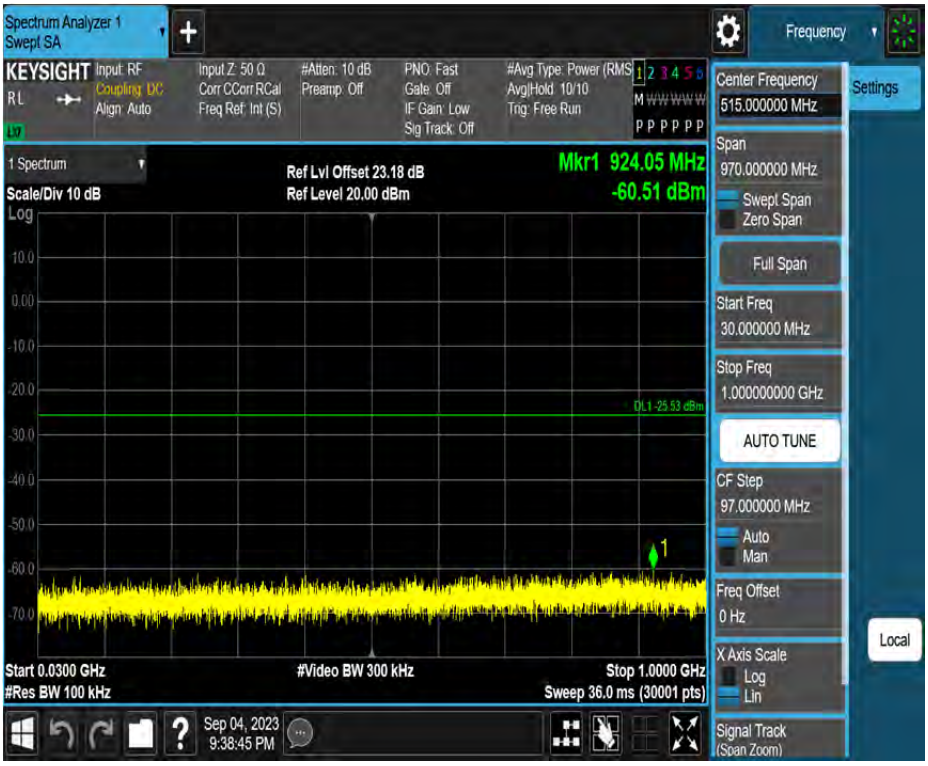
11AX40MIMO_Ant1_2437_1000~26500


11AX40MIMO_Ant2_2437_0~Reference

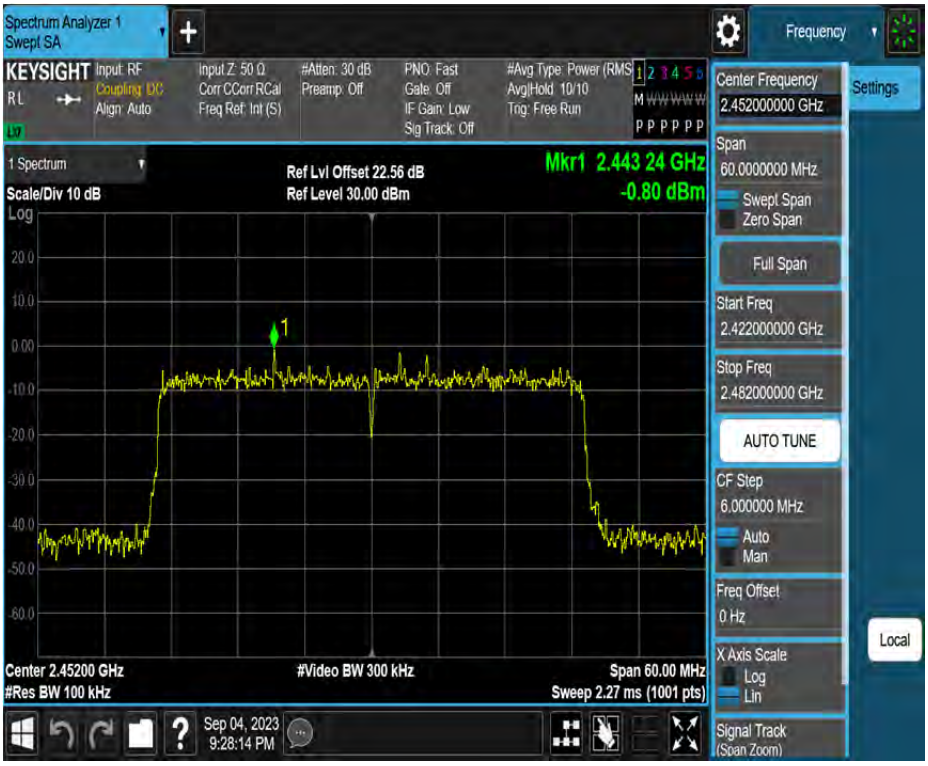

11AX40MIMO_Ant2_2437_30~1000


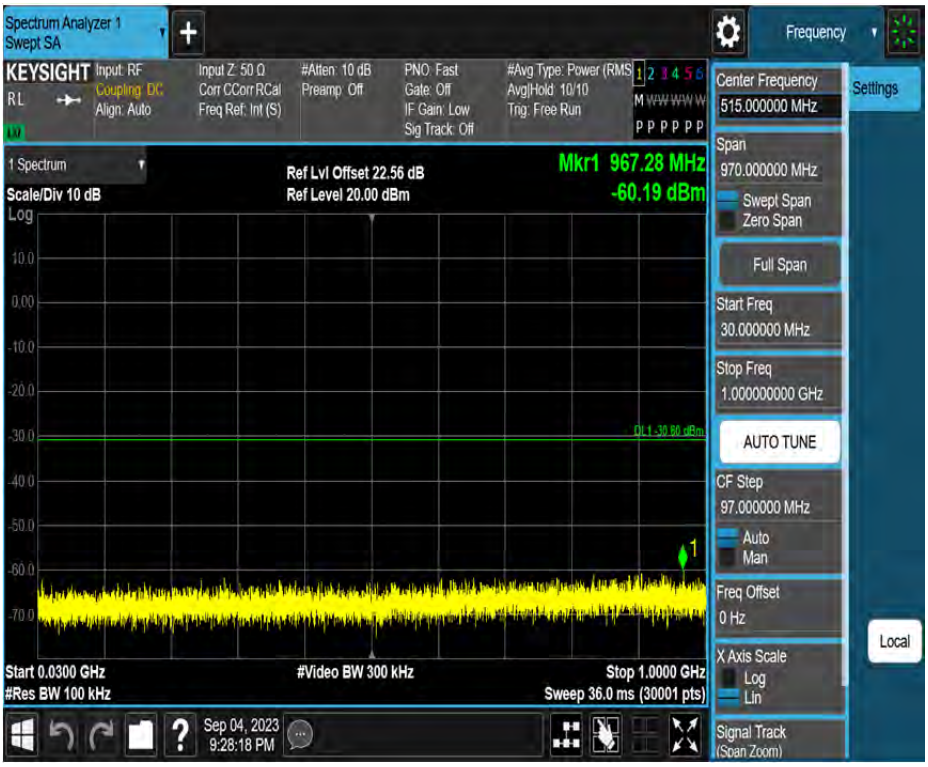
11AX40MIMO_Ant2_2437_1000~26500


11AX40MIMO_Ant3_2437_0~Reference


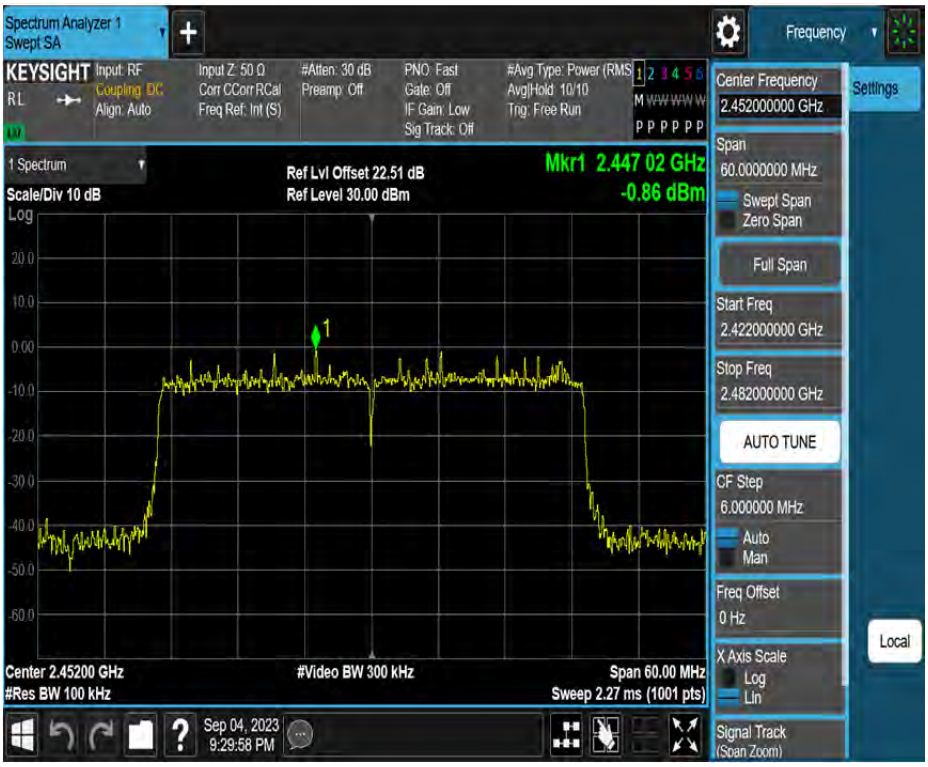
11AX40MIMO_Ant3_2437_30~1000


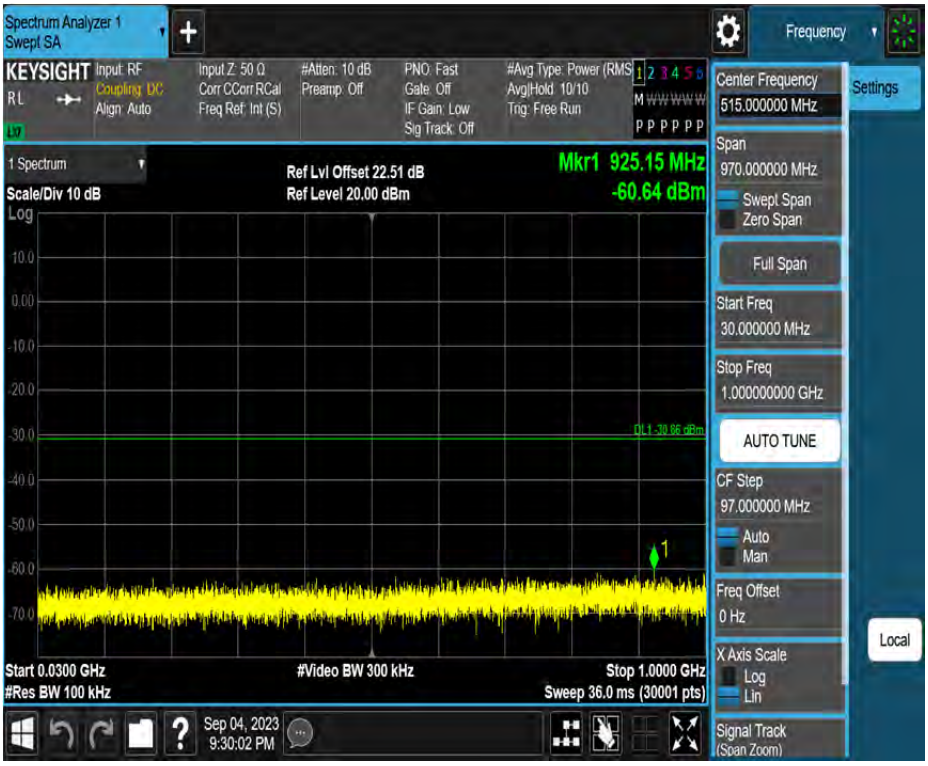
11AX40MIMO_Ant3_2437_1000~26500


11AX40MIMO_Ant1_2452_0~Reference


11AX40MIMO_Ant1_2452_30~1000


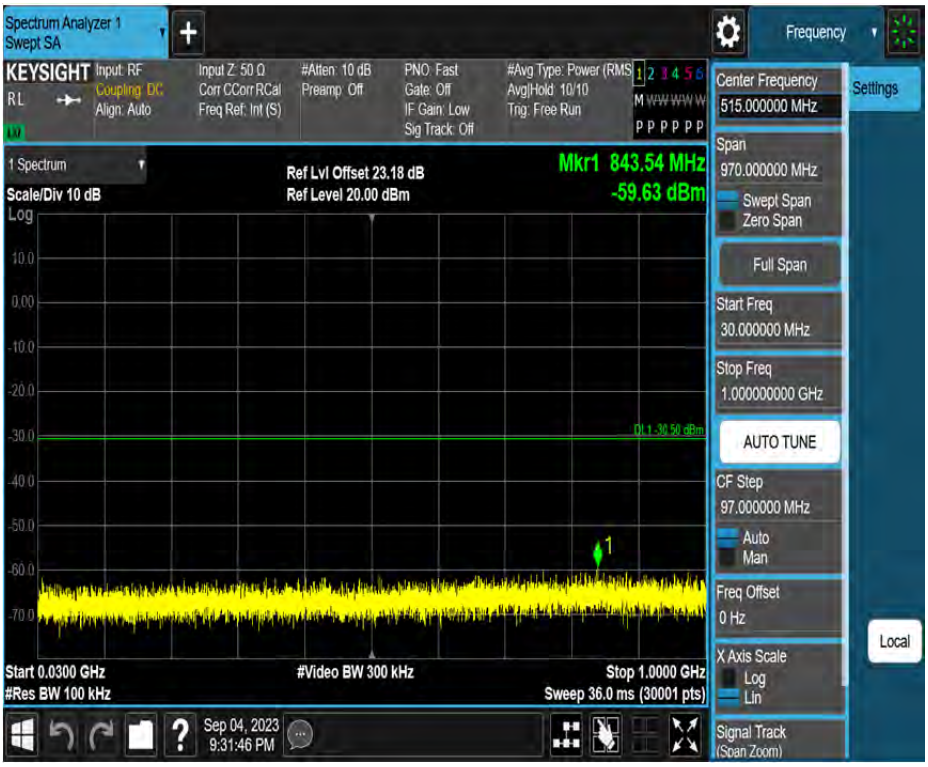
11AX40MIMO_Ant1_2452_1000~26500


11AX40MIMO_Ant2_2452_0~Reference


11AX40MIMO_Ant2_2452_30~1000


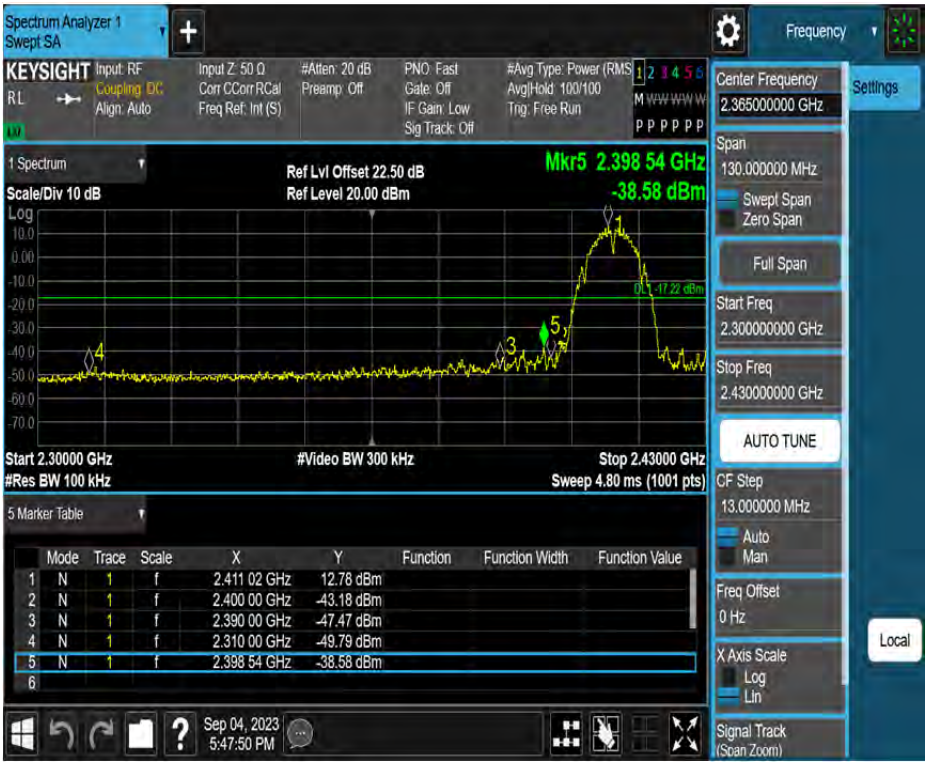
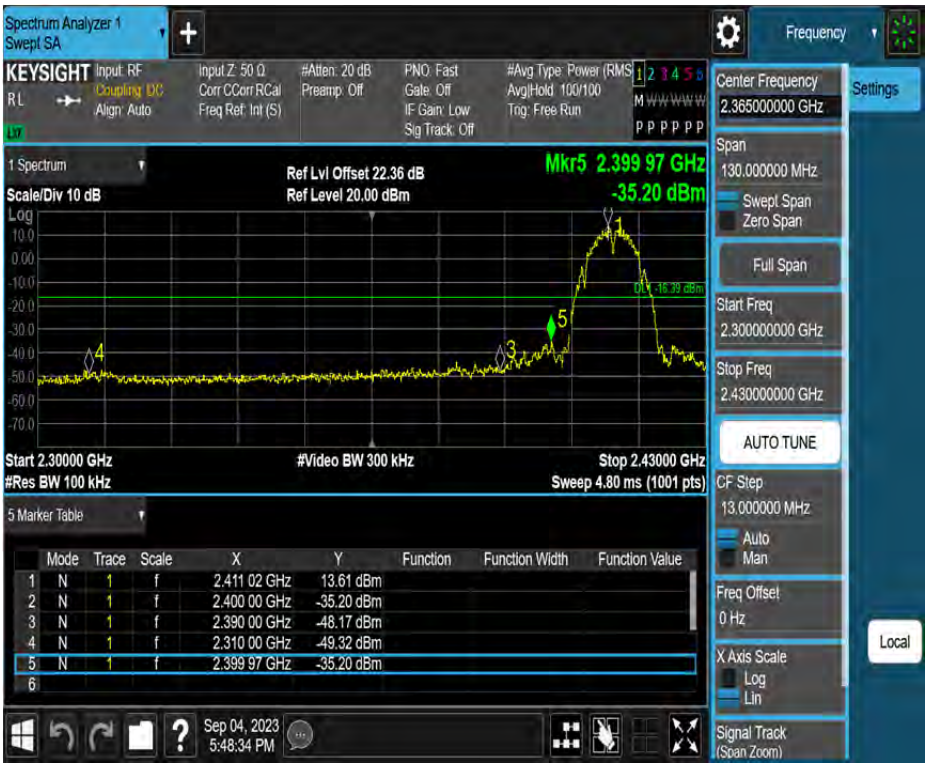
11AX40MIMO_Ant2_2452_1000~26500


11AX40MIMO_Ant3_2452_0~Reference

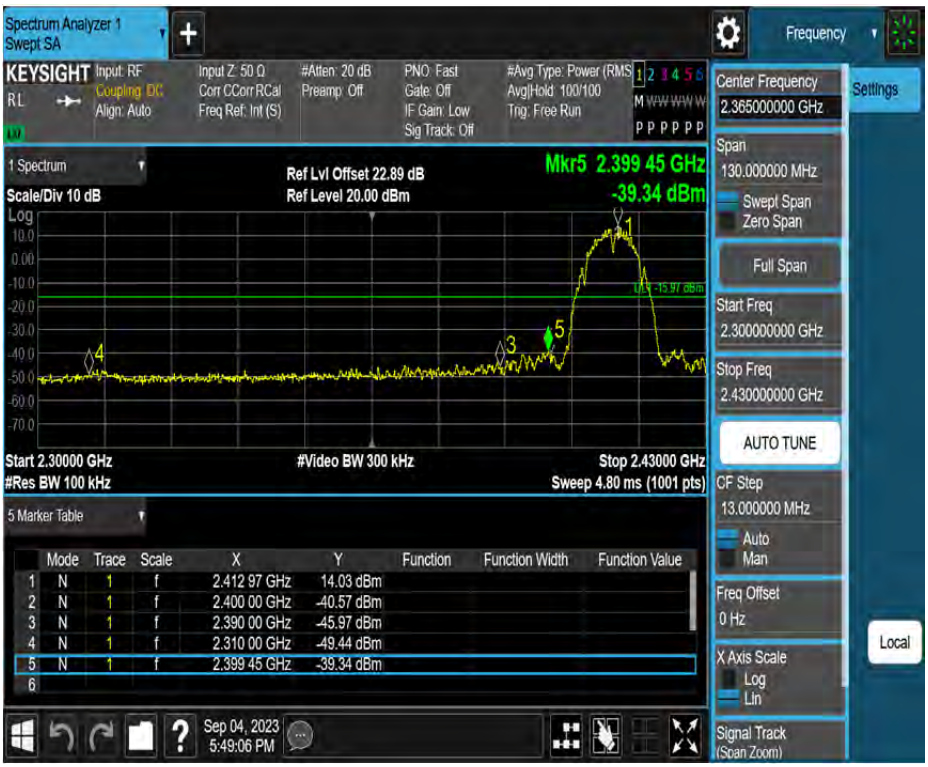

11AX40MIMO_Ant3_2452_30~1000


11AX40MIMO_Ant3_2452_1000~26500


Band edge

11B_Ant1_Low_2412

11B_Ant2_Low_2412


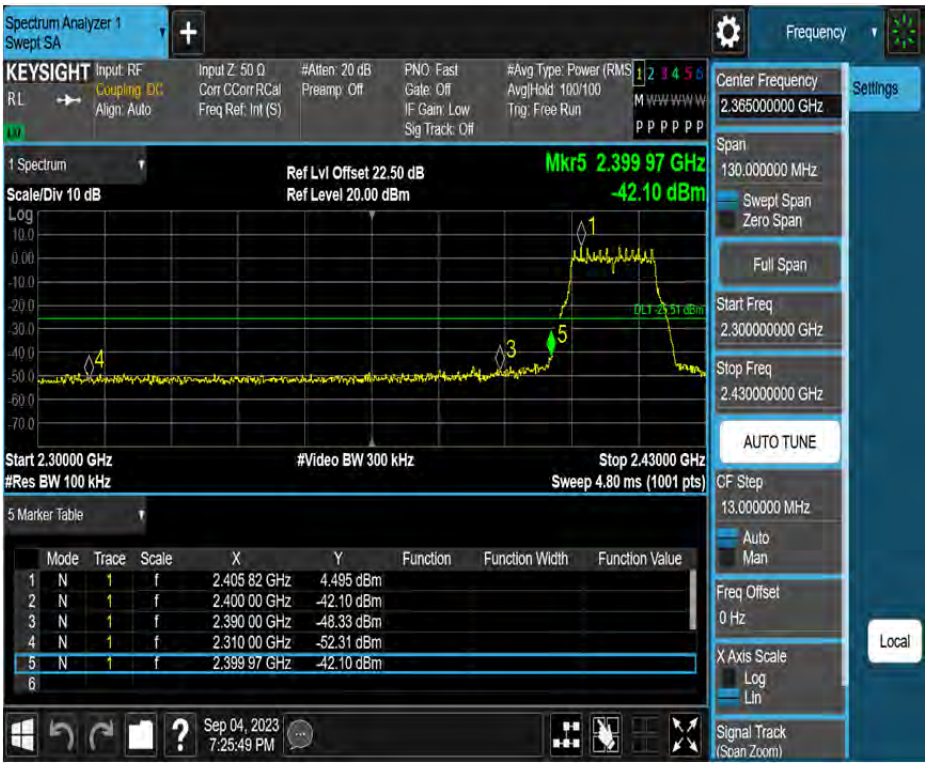
11B_Ant3_Low_2412

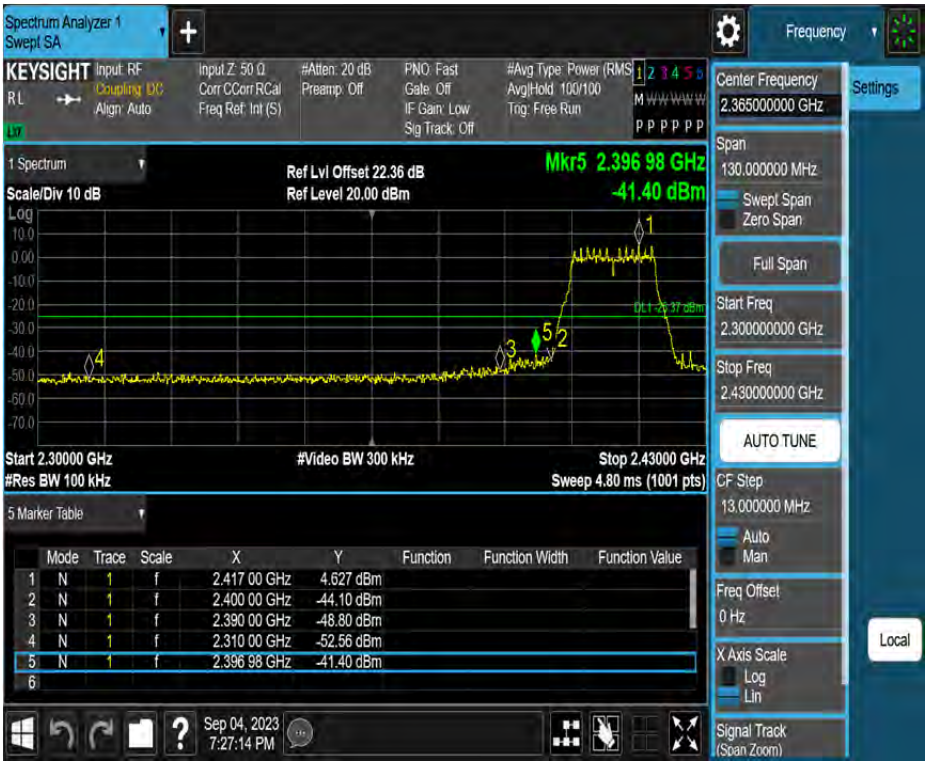


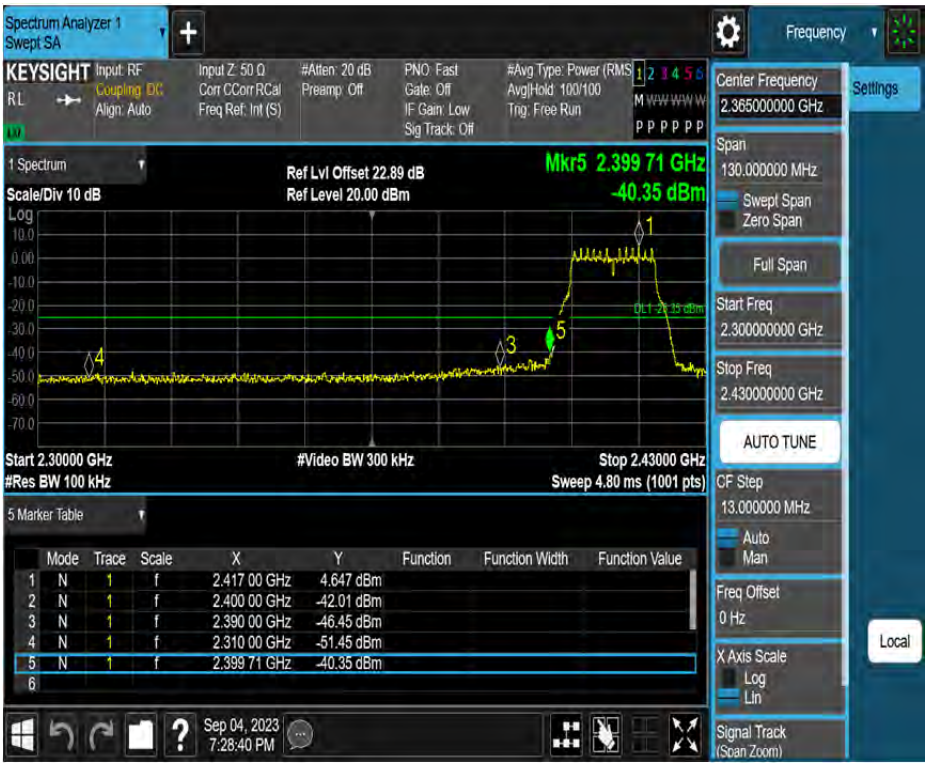
11B_Ant1_High_2462

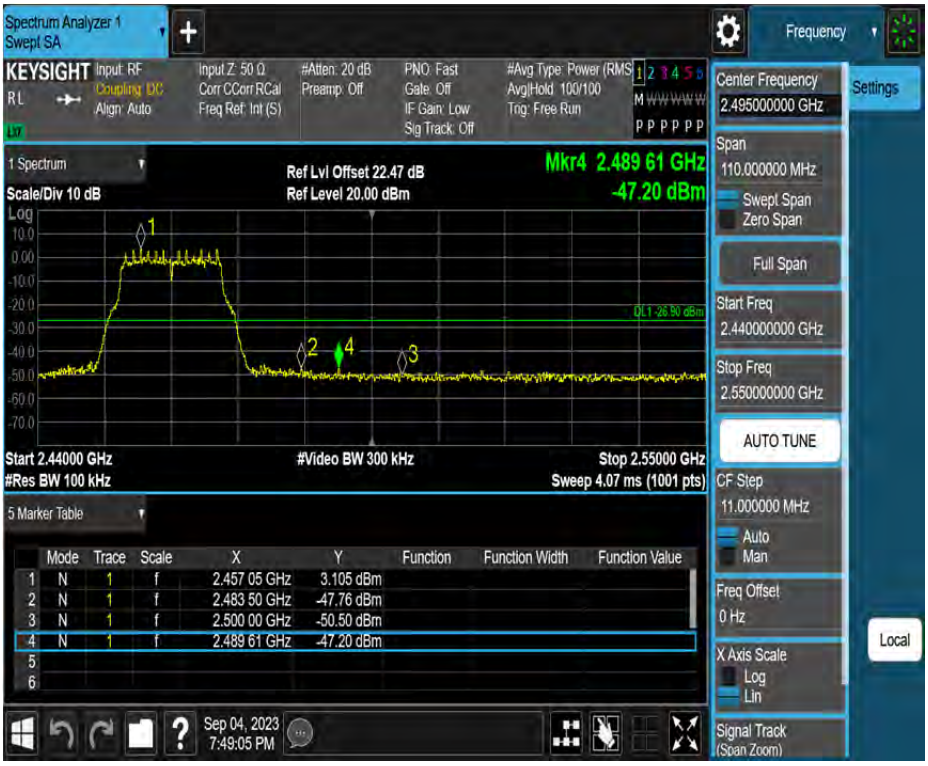
11B_Ant2_High_2462


11B_Ant3_High_2462


11G_Ant1_Low_2412


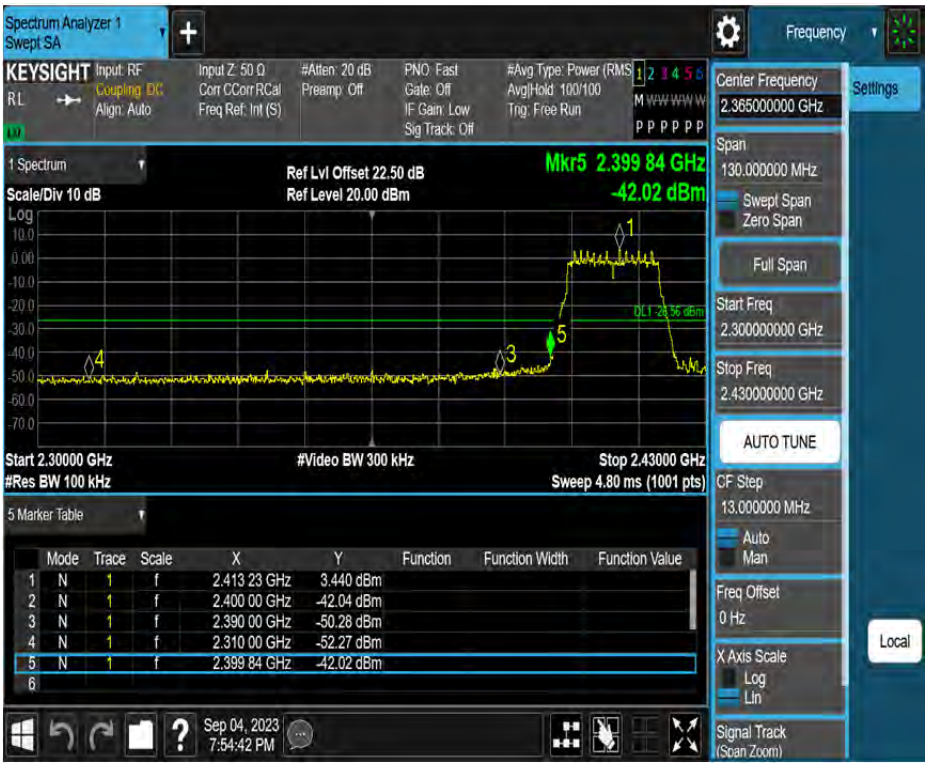
11G_Ant2_Low_2412


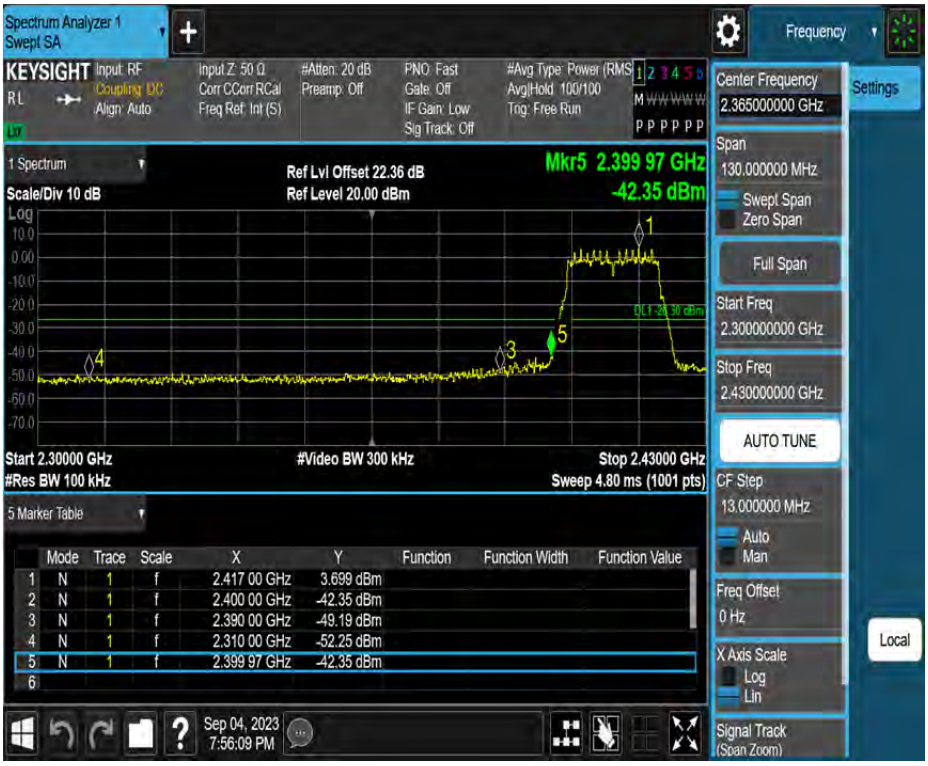
11G_Ant3_Low_2412


11G_Ant1_High_2462


11G_Ant2_High_2462


11G_Ant3_High_2462


11N20MIMO_Ant1_Low_2412


11N20MIMO_Ant2_Low_2412


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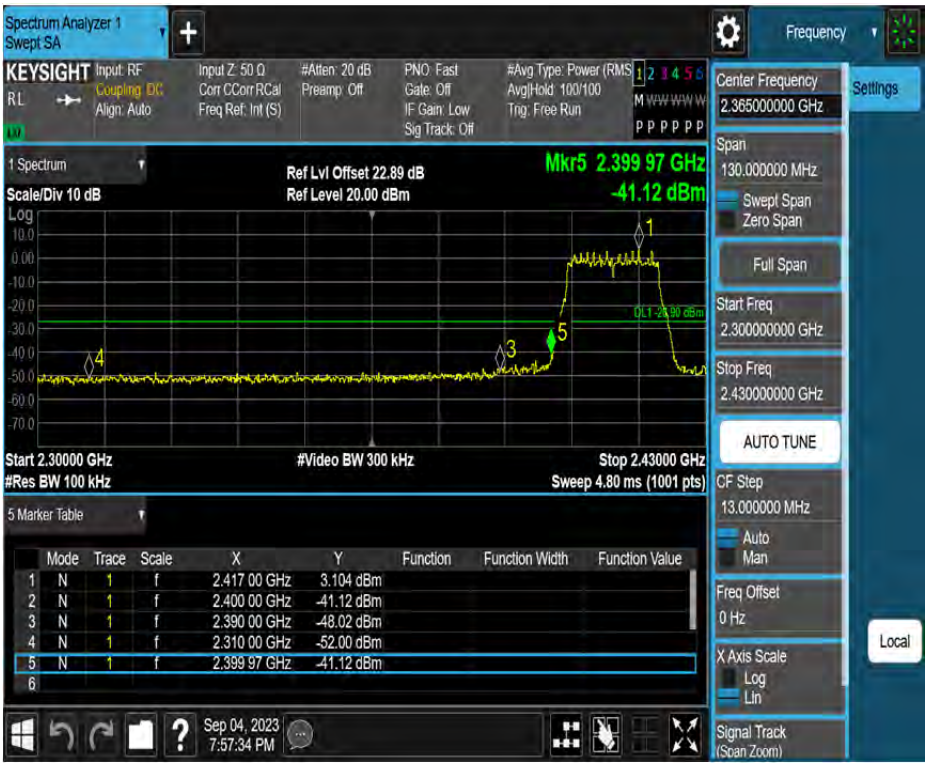
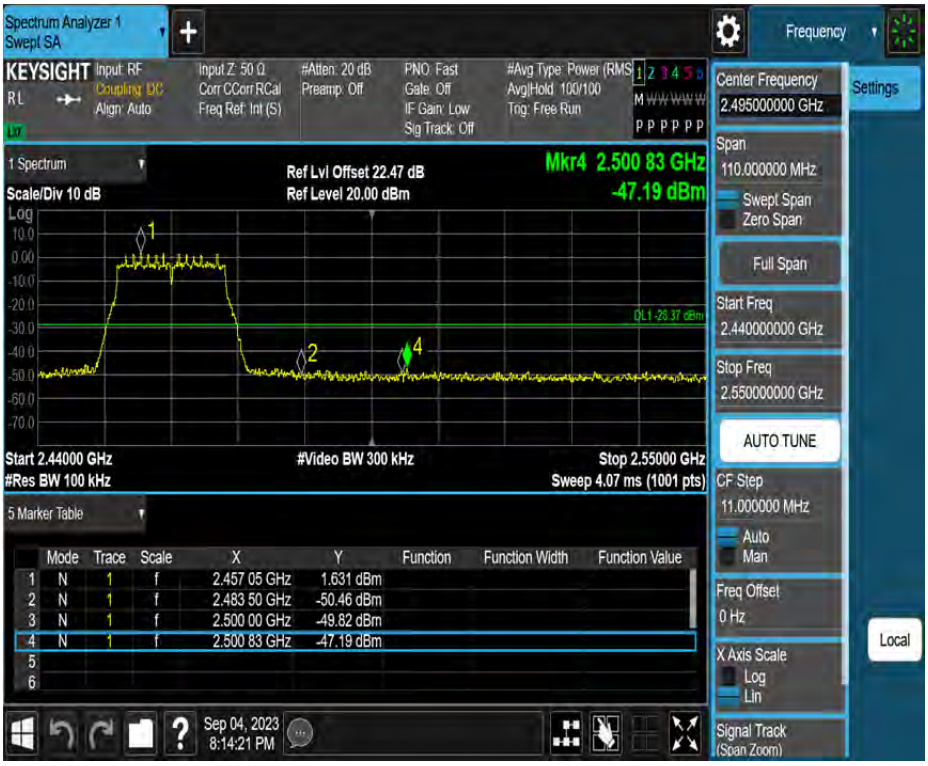
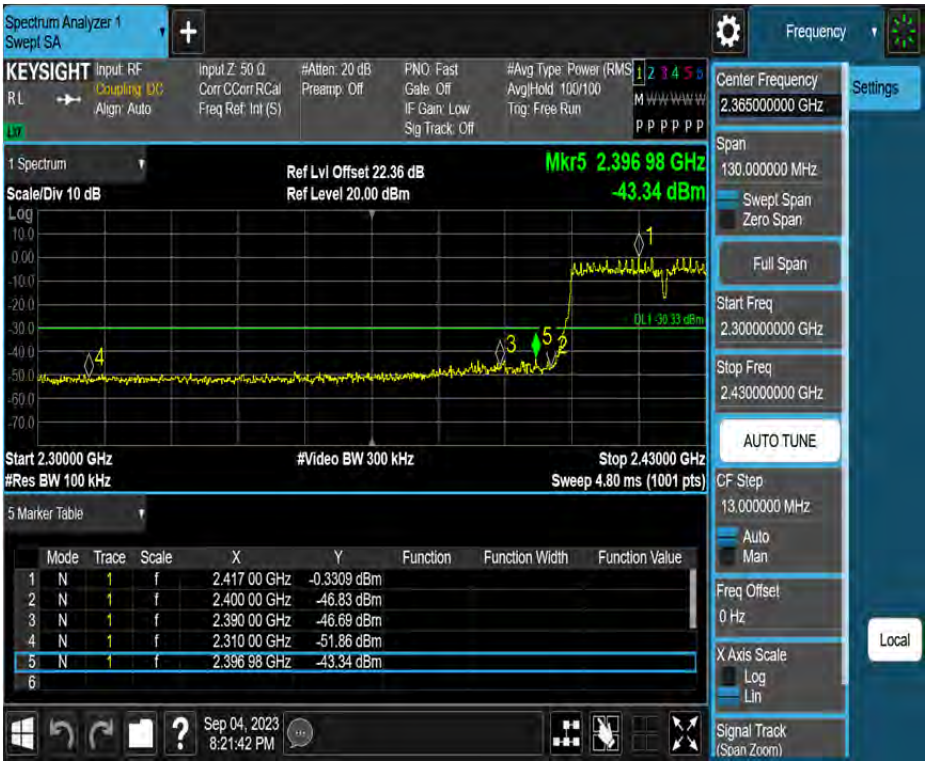


11N20MIMO_Ant1_High_2462


11N20MIMO_Ant2_High_2462


11N20MIMO_Ant3_High_2462


11N40MIMO_Ant1_Low_2422


11N40MIMO_Ant2_Low_2422


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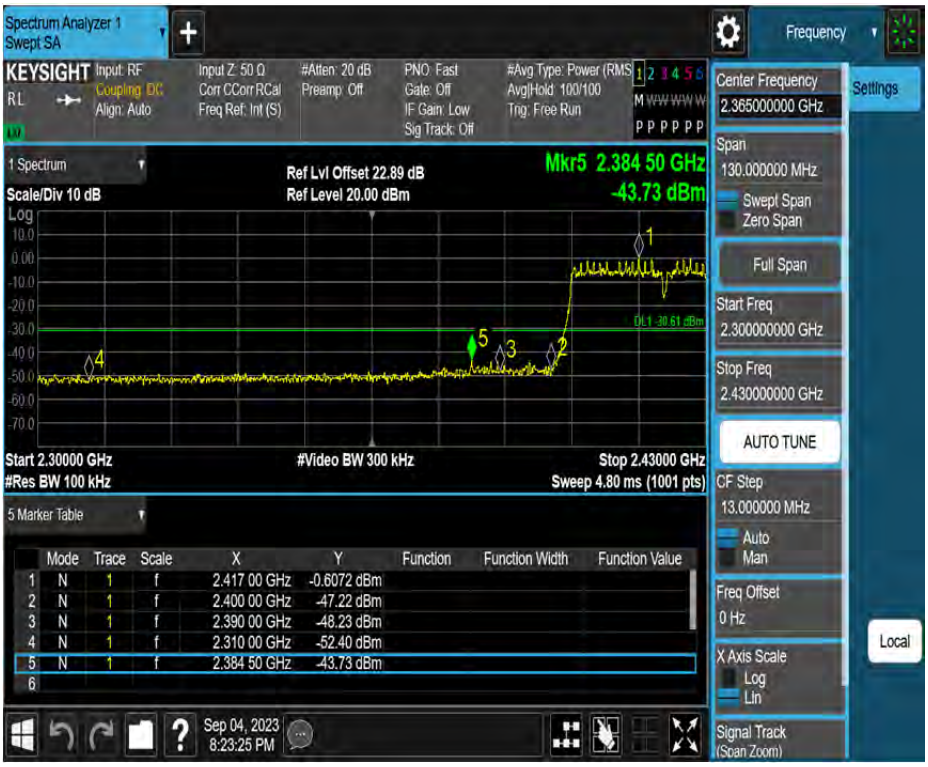

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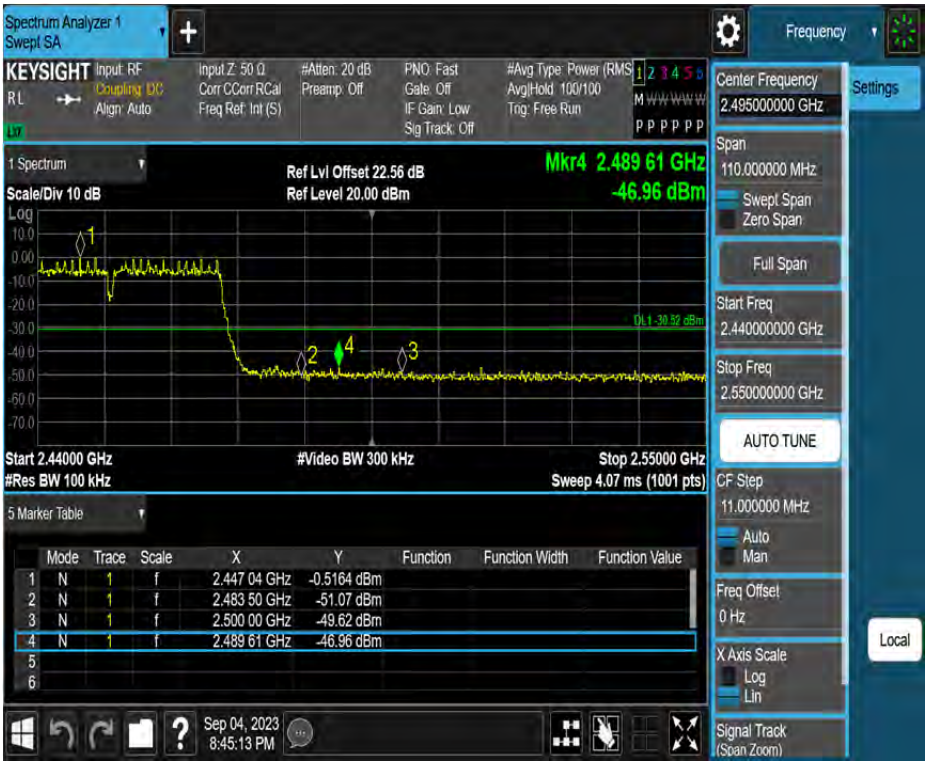

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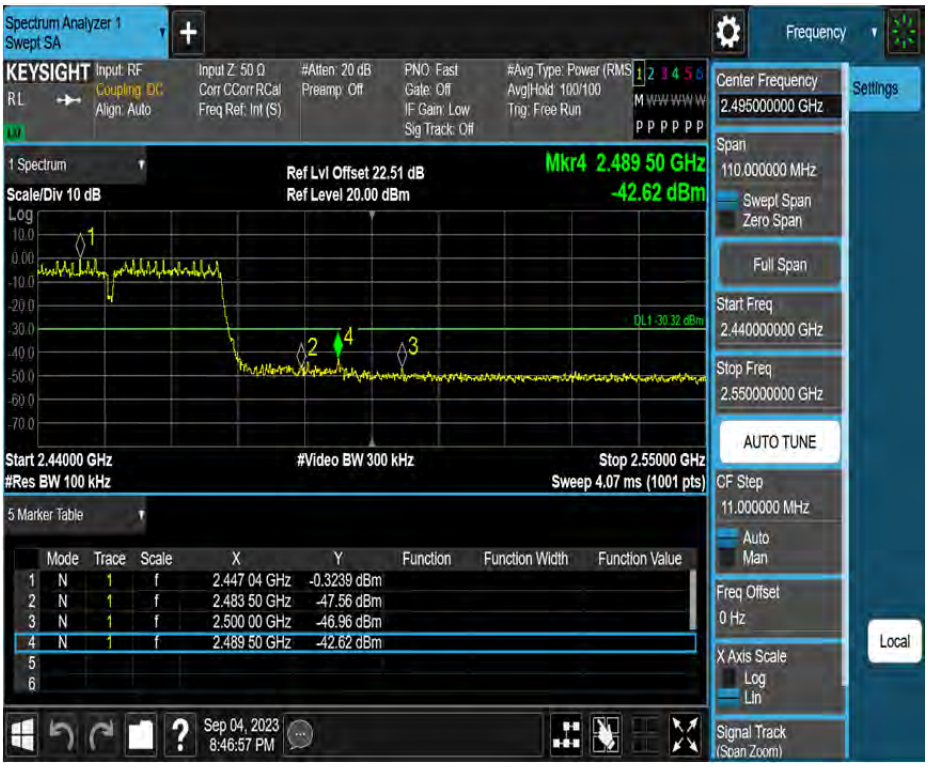

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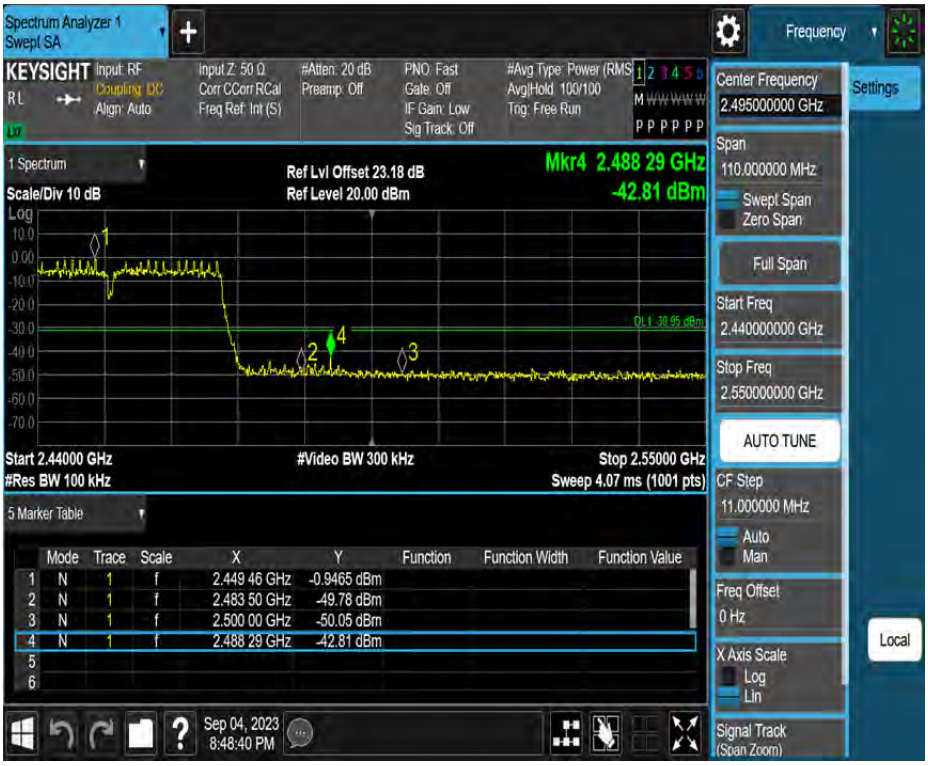

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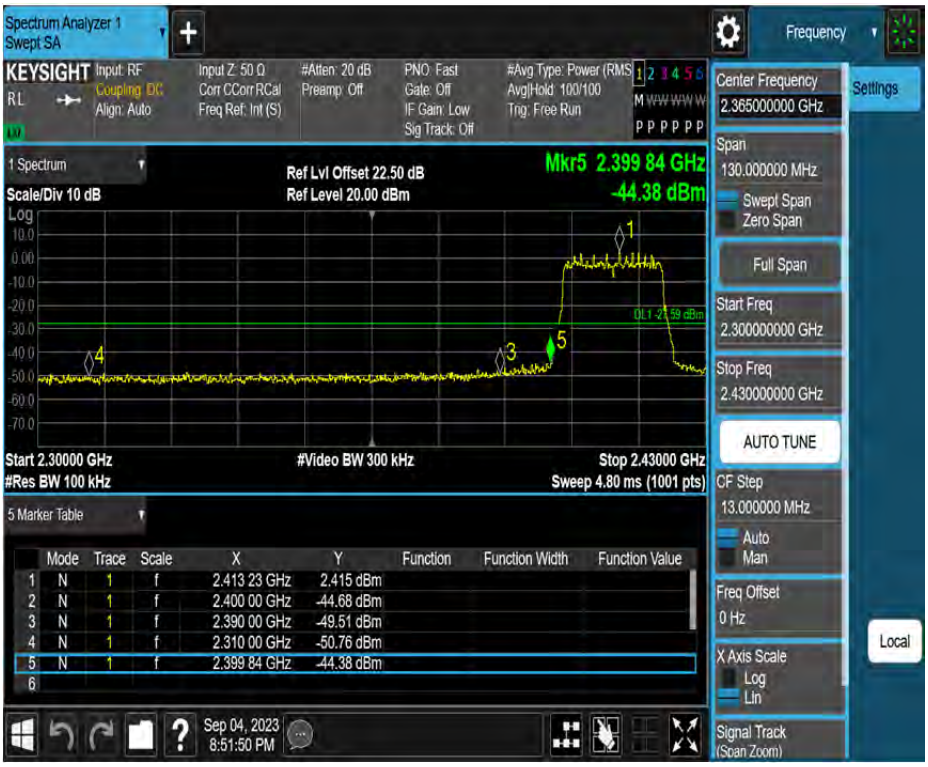
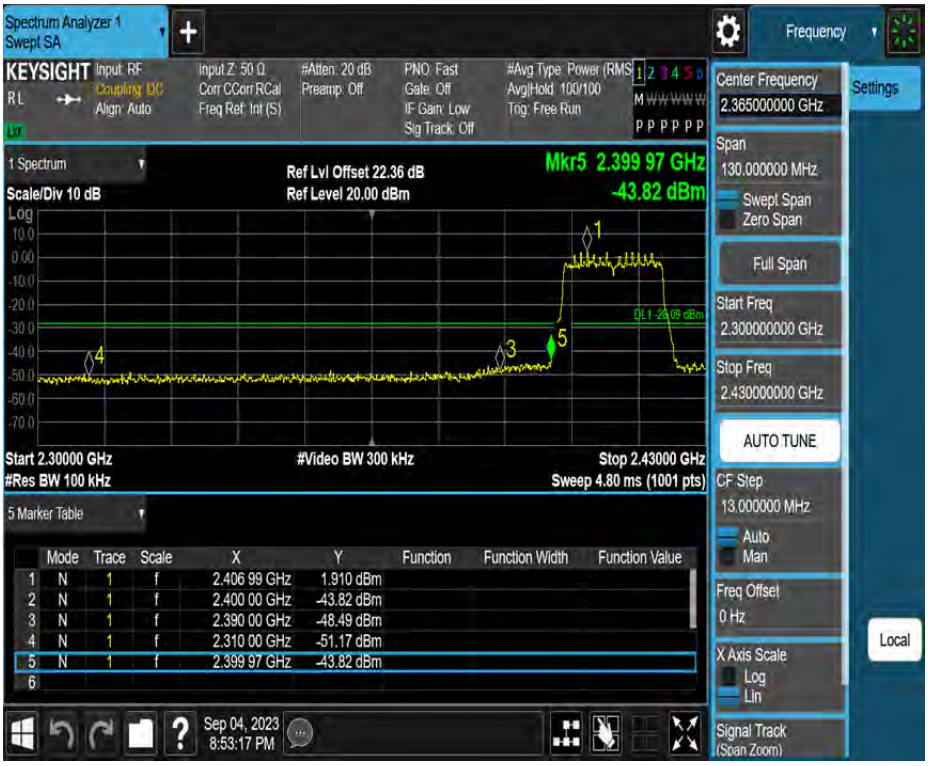
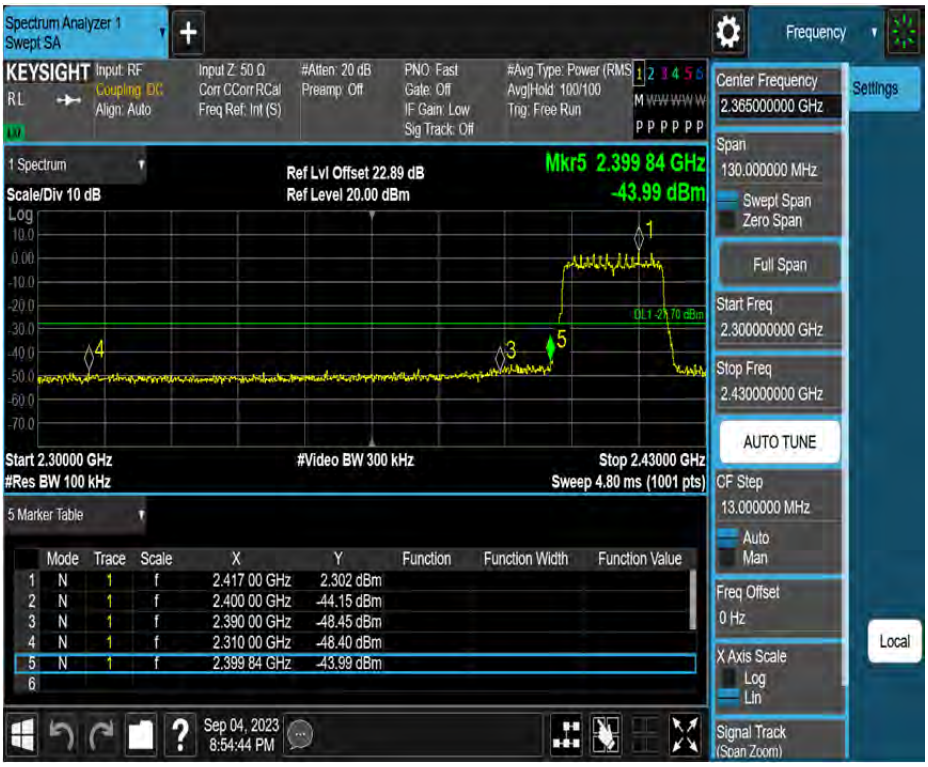
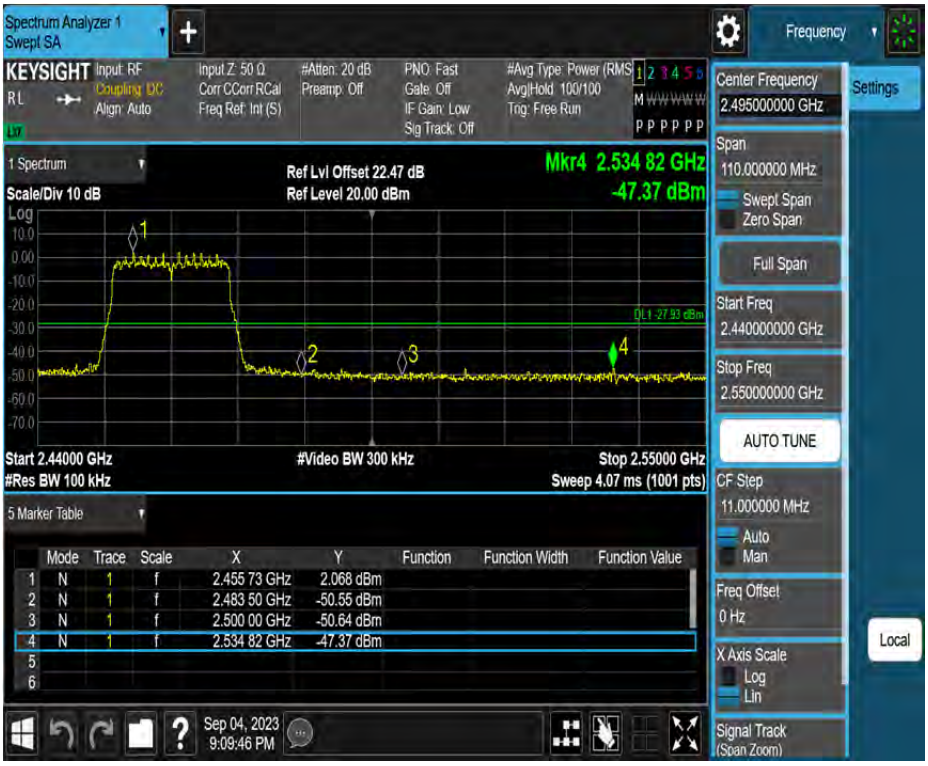


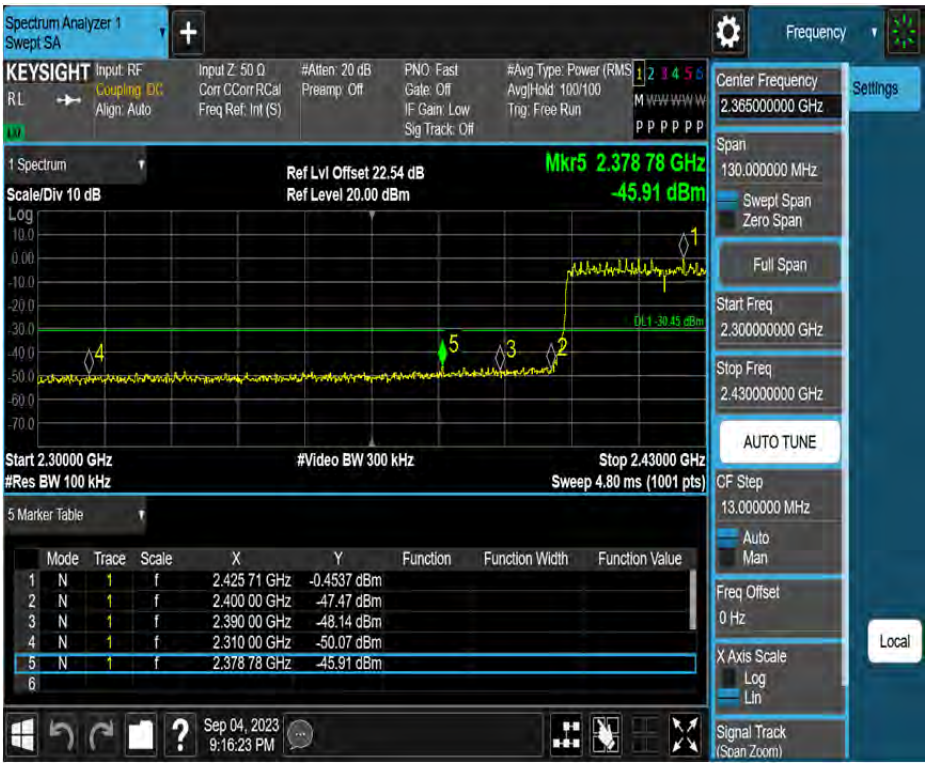
11AX20MIMO_Ant2_Low_2412


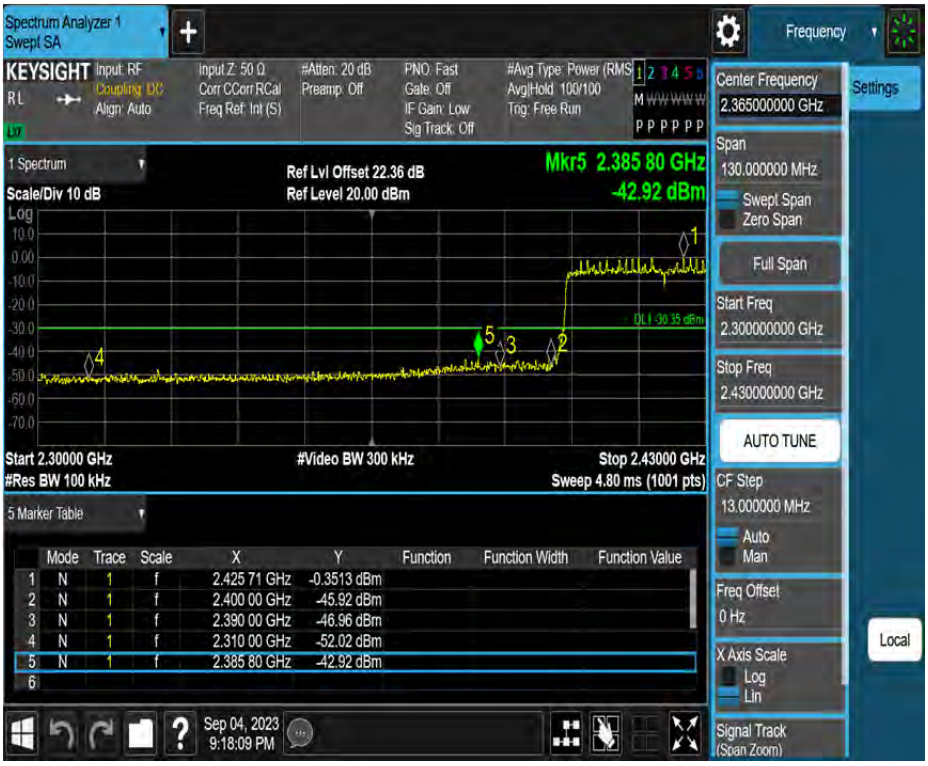
11AX20MIMO_Ant3_Low_2412


11AX20MIMO_Ant1_High_2462


11AX20MIMO_Ant2_High_2462


11AX20MIMO_Ant3_High_2462


11AX40MIMO_Ant1_Low_2422


11AX40MIMO_Ant2_Low_2422


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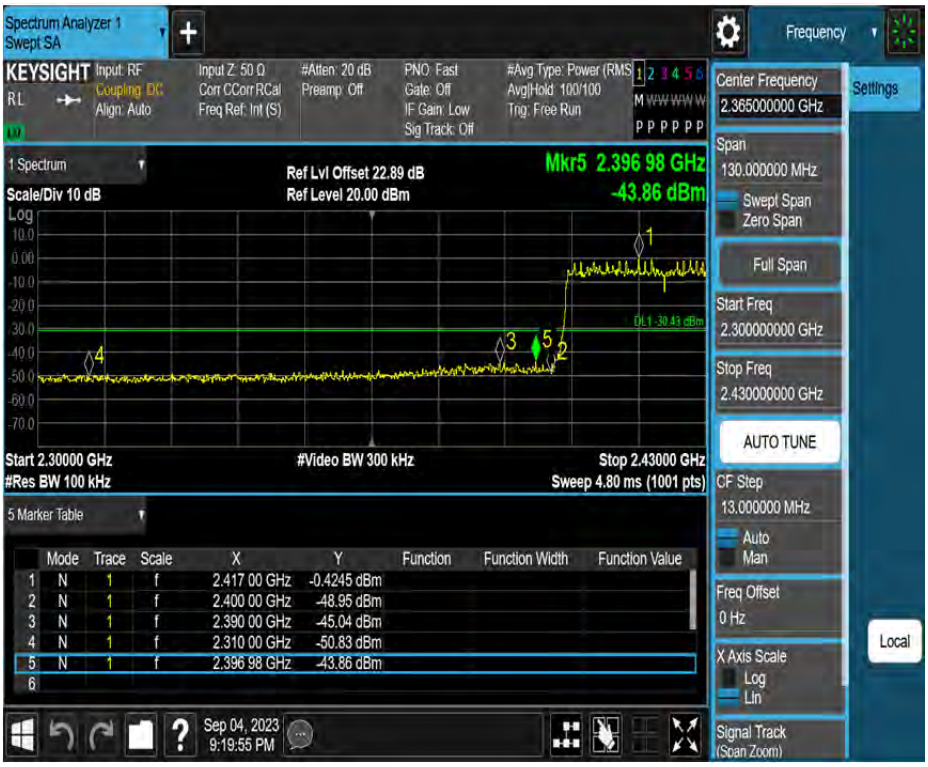
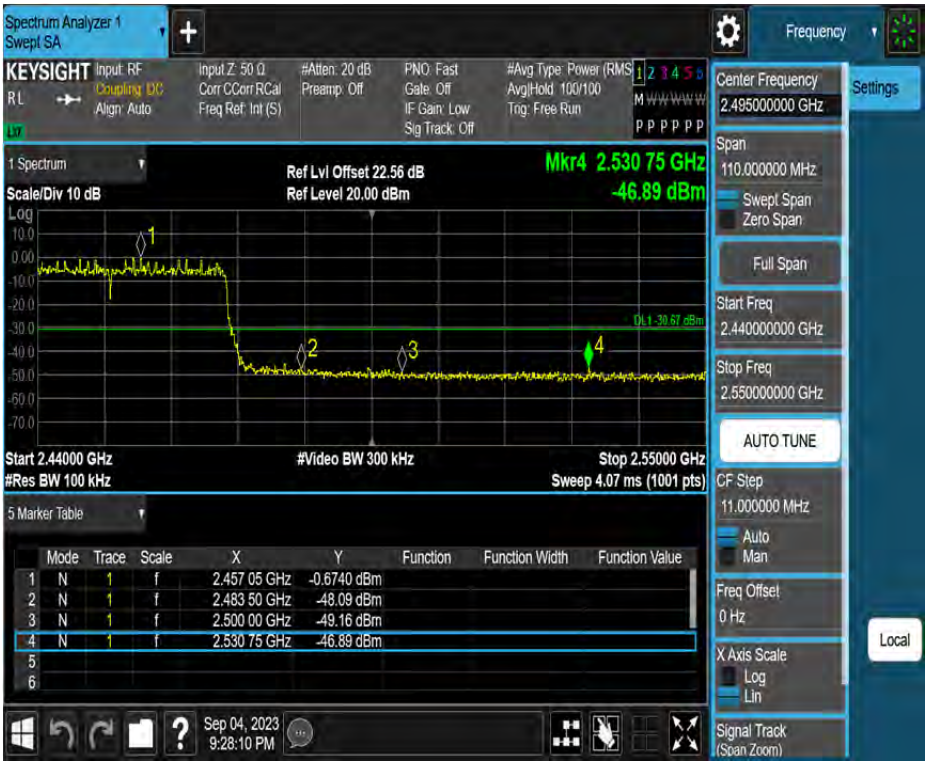
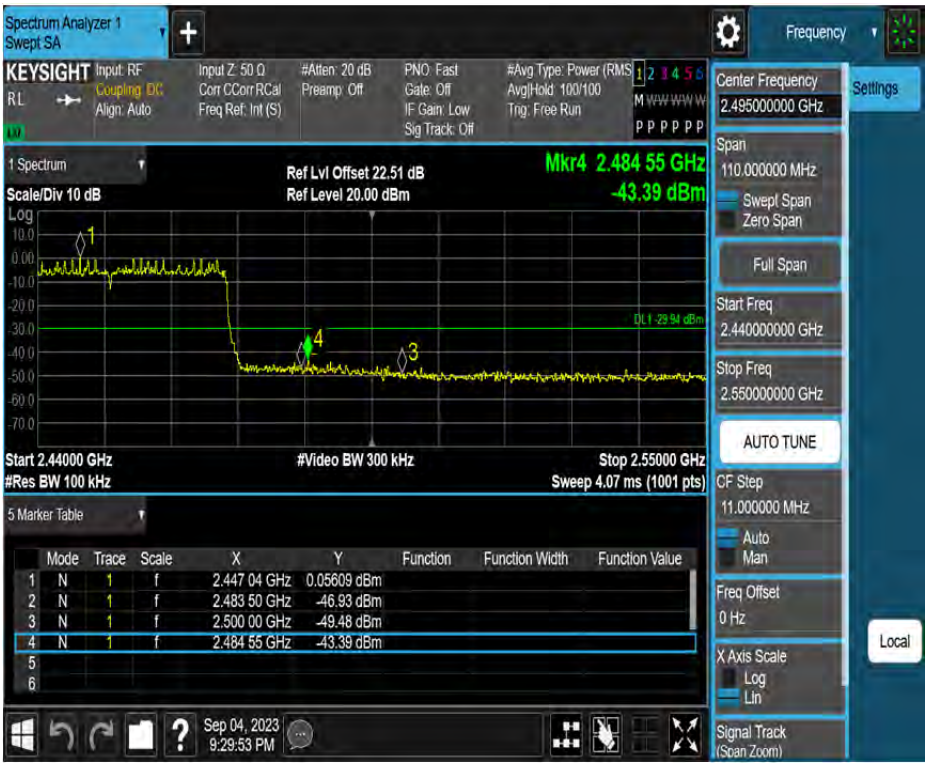
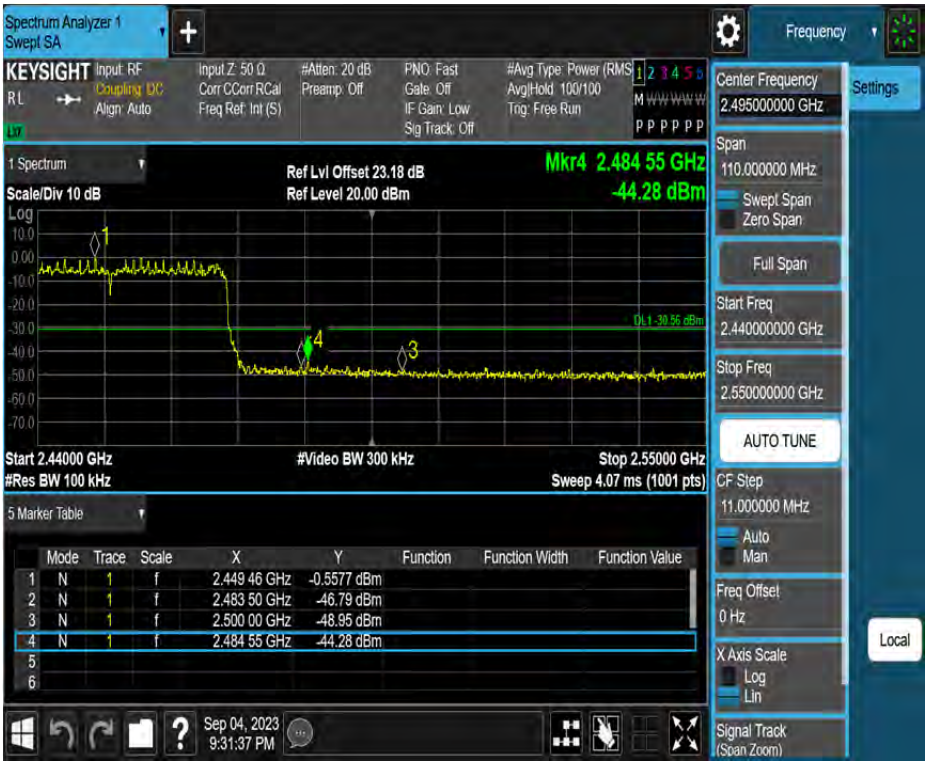


11AX40MIMO_Ant1_High_2452


11AX40MIMO_Ant2_High_2452


11AX40MIMO_Ant3_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:

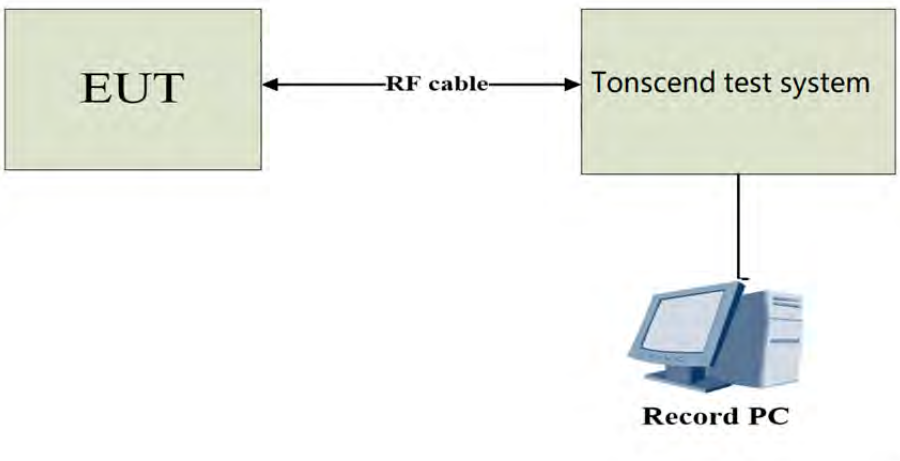
Centre Frequency	The centre frequency of the channel under test
RBW	100kHz
VBW	300kHz
Frequency span	2x Nominal Channel Bandwidth
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

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-CDD	Ant1	2412	6.560	2408.480	2415.040	0.5	PASS
	Ant2	2412	7.000	2408.480	2415.480	0.5	PASS
	Ant3	2412	6.080	2408.960	2415.040	0.5	PASS
	Ant1	2437	6.560	2433.960	2440.520	0.5	PASS
	Ant2	2437	6.560	2433.960	2440.520	0.5	PASS
	Ant3	2437	6.560	2433.480	2440.040	0.5	PASS
	Ant1	2462	6.520	2458.520	2465.040	0.5	PASS
	Ant2	2462	7.040	2458.480	2465.520	0.5	PASS
	Ant3	2462	6.040	2458.960	2465.000	0.5	PASS
11G-CDD	Ant1	2412	16.000	2403.880	2419.880	0.5	PASS
	Ant2	2412	15.720	2404.440	2420.160	0.5	PASS
	Ant3	2412	16.280	2403.880	2420.160	0.5	PASS
	Ant1	2437	16.040	2429.120	2445.160	0.5	PASS
	Ant2	2437	15.720	2429.440	2445.160	0.5	PASS
	Ant3	2437	16.280	2428.880	2445.160	0.5	PASS
	Ant1	2462	16.040	2454.120	2470.160	0.5	PASS
	Ant2	2462	16.280	2453.880	2470.160	0.5	PASS
	Ant3	2462	16.280	2453.880	2470.160	0.5	PASS
11N20MIMO	Ant1	2412	17.280	2403.240	2420.520	0.5	PASS
	Ant2	2412	17.560	2403.240	2420.800	0.5	PASS
	Ant3	2412	17.200	2403.600	2420.800	0.5	PASS
	Ant1	2437	16.920	2428.880	2445.800	0.5	PASS
	Ant2	2437	17.560	2428.240	2445.800	0.5	PASS
	Ant3	2437	17.560	2428.240	2445.800	0.5	PASS
	Ant1	2462	17.560	2453.240	2470.800	0.5	PASS
	Ant2	2462	17.560	2453.240	2470.800	0.5	PASS
	Ant3	2462	17.560	2453.240	2470.800	0.5	PASS
11N40MIMO	Ant1	2422	35.920	2403.840	2439.760	0.5	PASS
	Ant2	2422	35.760	2404.080	2439.840	0.5	PASS
	Ant3	2422	35.840	2403.920	2439.760	0.5	PASS
	Ant1	2437	35.760	2419.400	2455.160	0.5	PASS
	Ant2	2437	35.920	2418.840	2454.760	0.5	PASS
	Ant3	2437	35.520	2419.240	2454.760	0.5	PASS
	Ant1	2452	35.360	2434.400	2469.760	0.5	PASS
	Ant2	2452	36.240	2433.920	2470.160	0.5	PASS
	Ant3	2452	35.360	2434.400	2469.760	0.5	PASS
11AX20MIMO	Ant1	2412	18.200	2402.960	2421.160	0.5	PASS
	Ant2	2412	18.160	2403.200	2421.360	0.5	PASS

	Ant3	2412	18.480	2402.840	2421.320	0.5	PASS
	Ant1	2437	18.280	2427.600	2445.880	0.5	PASS
	Ant2	2437	18.360	2427.920	2446.280	0.5	PASS
	Ant3	2437	18.280	2427.960	2446.240	0.5	PASS
	Ant1	2462	18.600	2452.680	2471.280	0.5	PASS
	Ant2	2462	18.720	2452.560	2471.280	0.5	PASS
	Ant3	2462	18.520	2452.840	2471.360	0.5	PASS
11AX40MIMO	Ant1	2422	37.280	2403.200	2440.480	0.5	PASS
	Ant2	2422	37.280	2403.520	2440.800	0.5	PASS
	Ant3	2422	36.800	2403.200	2440.000	0.5	PASS
	Ant1	2437	36.960	2418.520	2455.480	0.5	PASS
	Ant2	2437	36.720	2418.760	2455.480	0.5	PASS
	Ant3	2437	37.280	2418.200	2455.480	0.5	PASS
	Ant1	2452	37.200	2433.200	2470.400	0.5	PASS
	Ant2	2452	36.720	2433.760	2470.480	0.5	PASS
	Ant3	2452	36.960	2433.200	2470.160	0.5	PASS

11B_Ant1_2412


11B_Ant2_2412


11B_Ant3_2412

11B_Ant1_2437


11B_Ant2_2437


11B_Ant3_2437


11B_Ant1_2462


11B_Ant2_2462


11B_Ant3_2462


11G_Ant1_2412