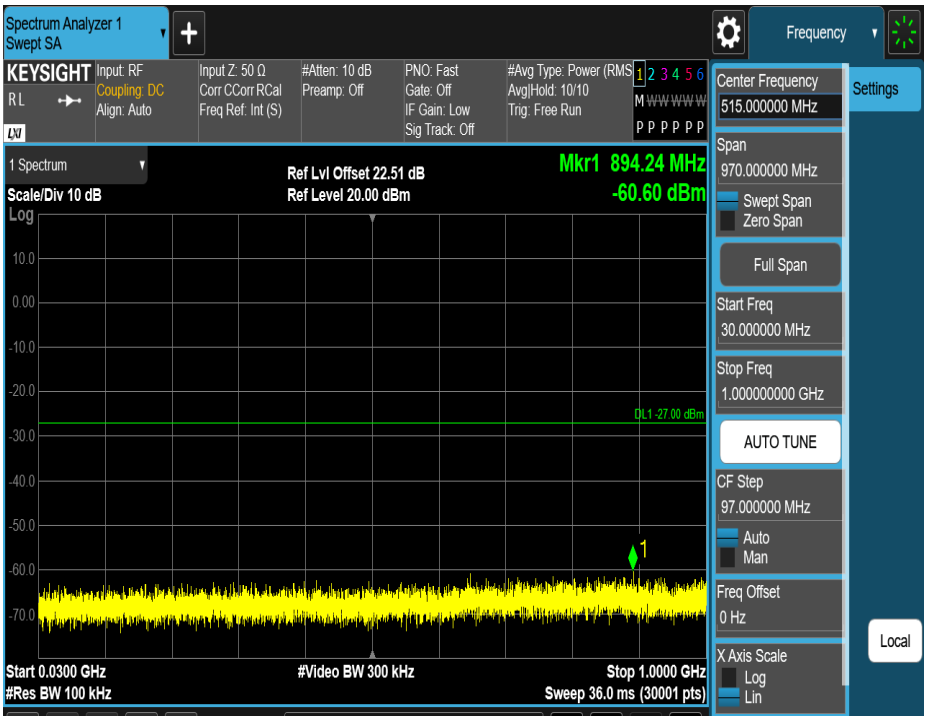
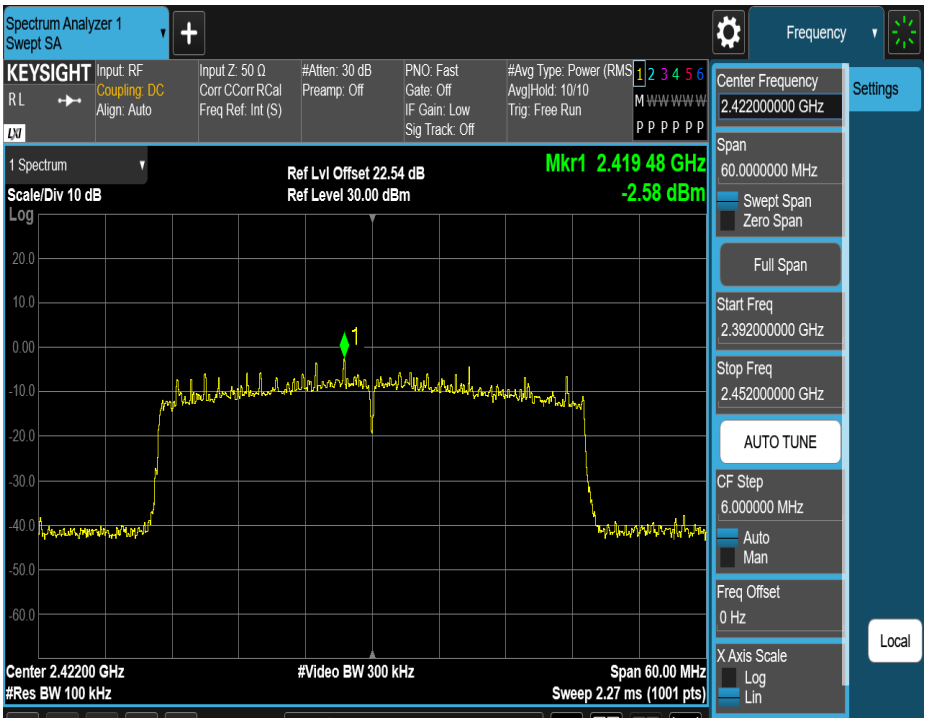
11AX20MIMO_Ant2_2462_30~1000

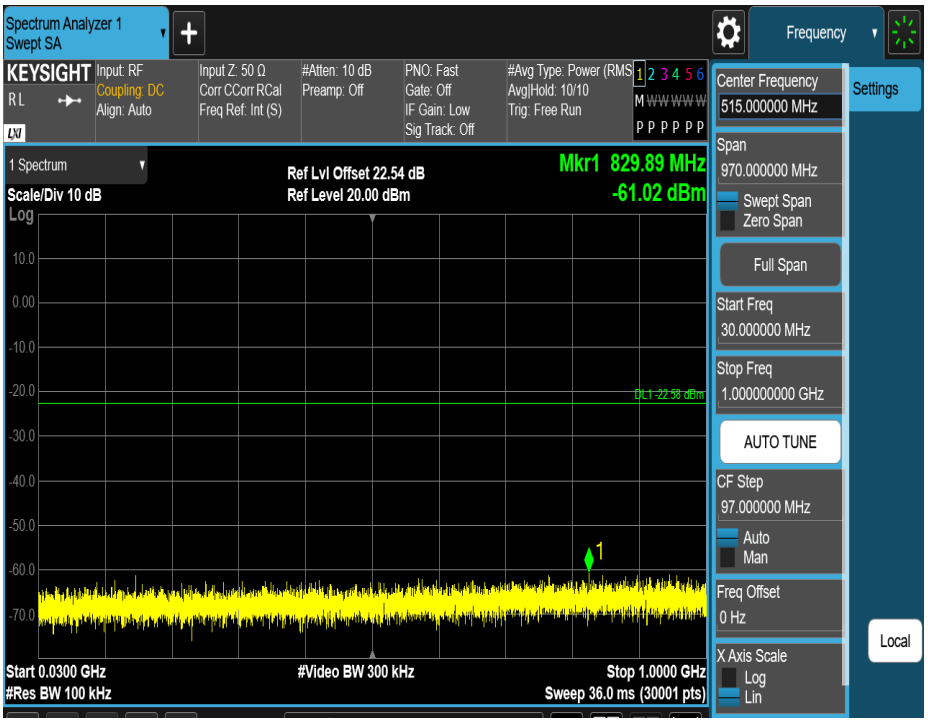


11AX20MIMO_Ant2_2462_1000~26500

11AX40MIMO_Ant1_2422_0~Reference

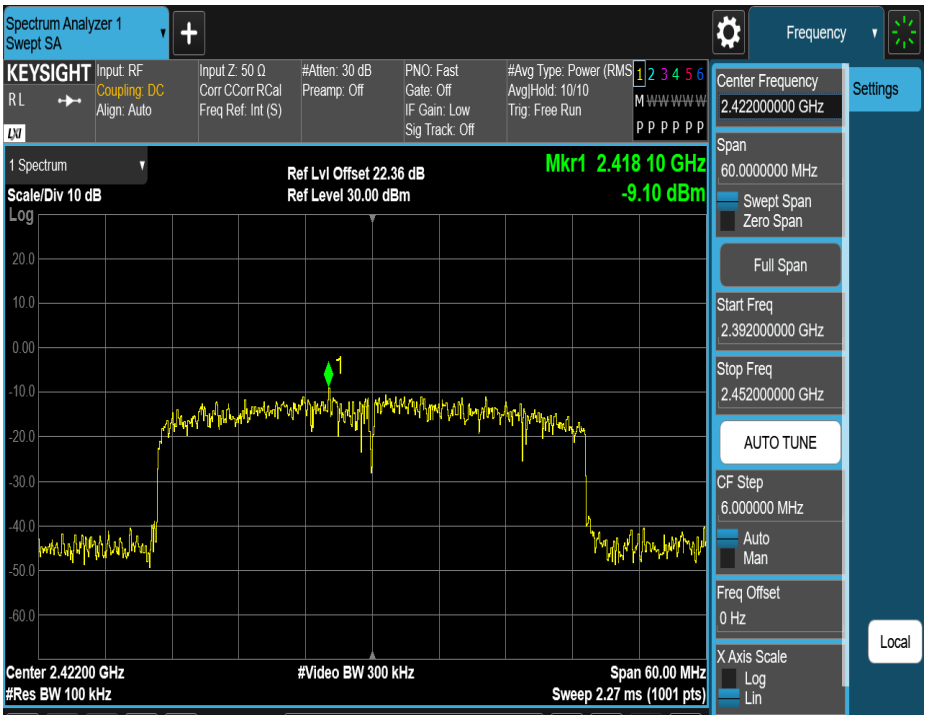


11AX40MIMO_Ant1_2422_30~1000

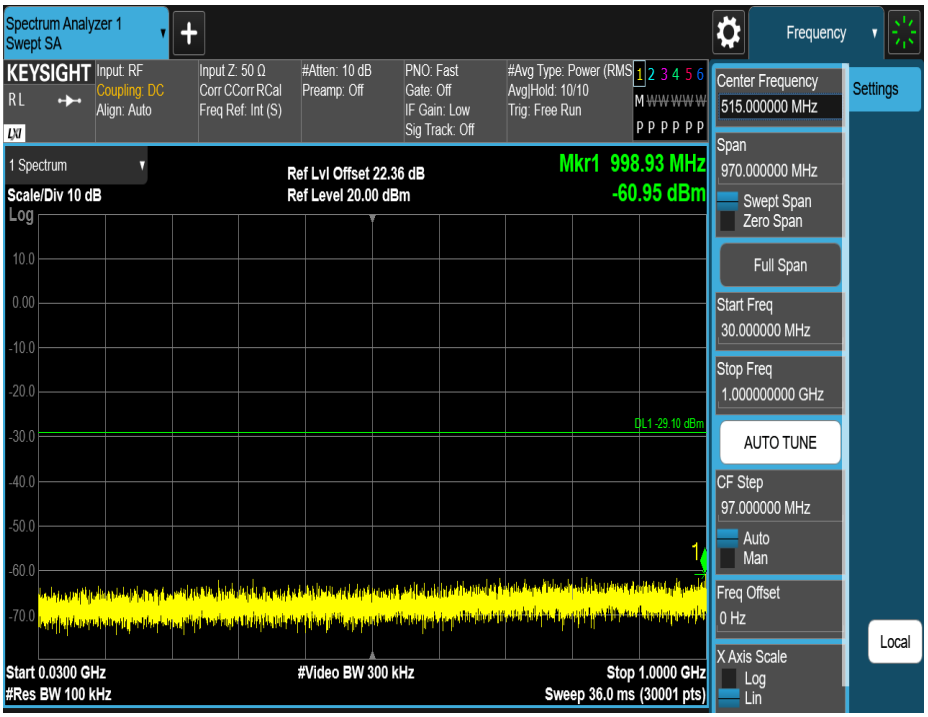


11AX40MIMO_Ant1_2422_1000~26500

11AX40MIMO_Ant2_2422_0~Reference

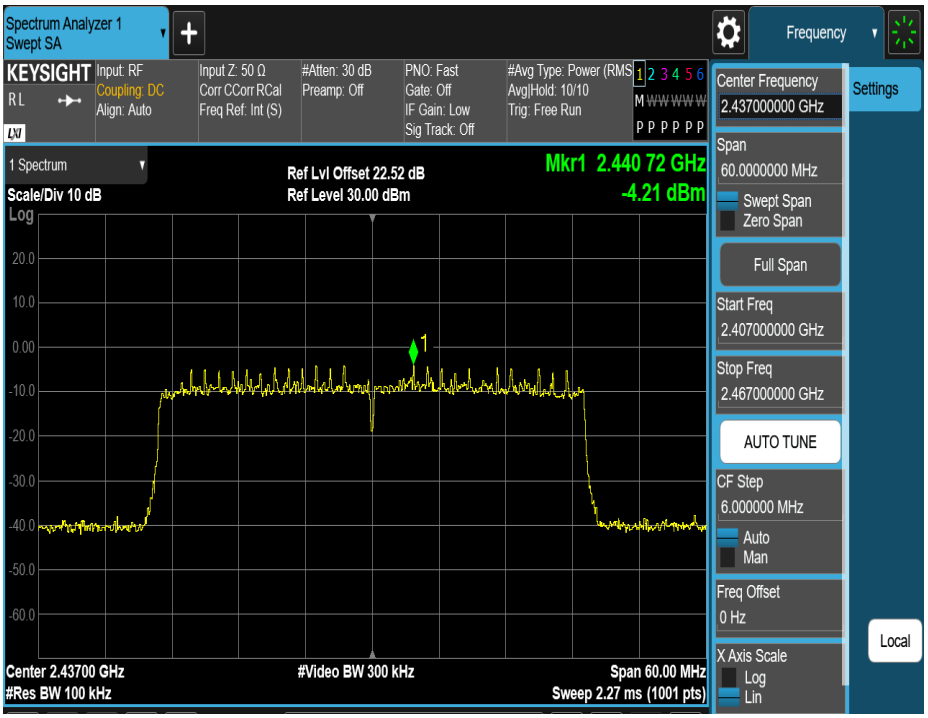


11AX40MIMO_Ant2_2422_30~1000

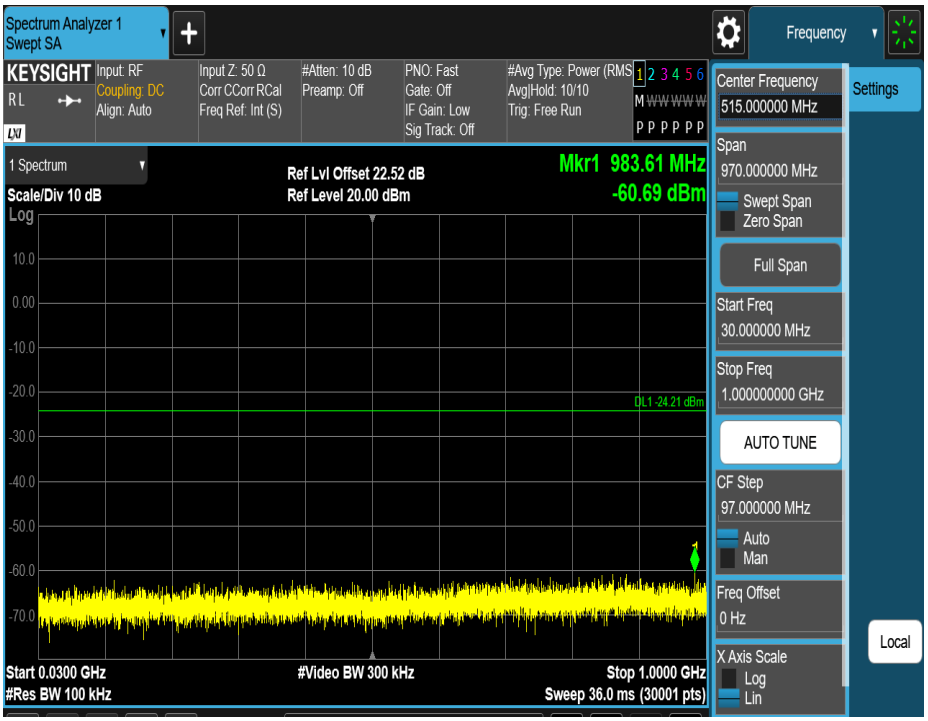


11AX40MIMO_Ant2_2422_1000~26500

11AX40MIMO_Ant1_2437_0~Reference

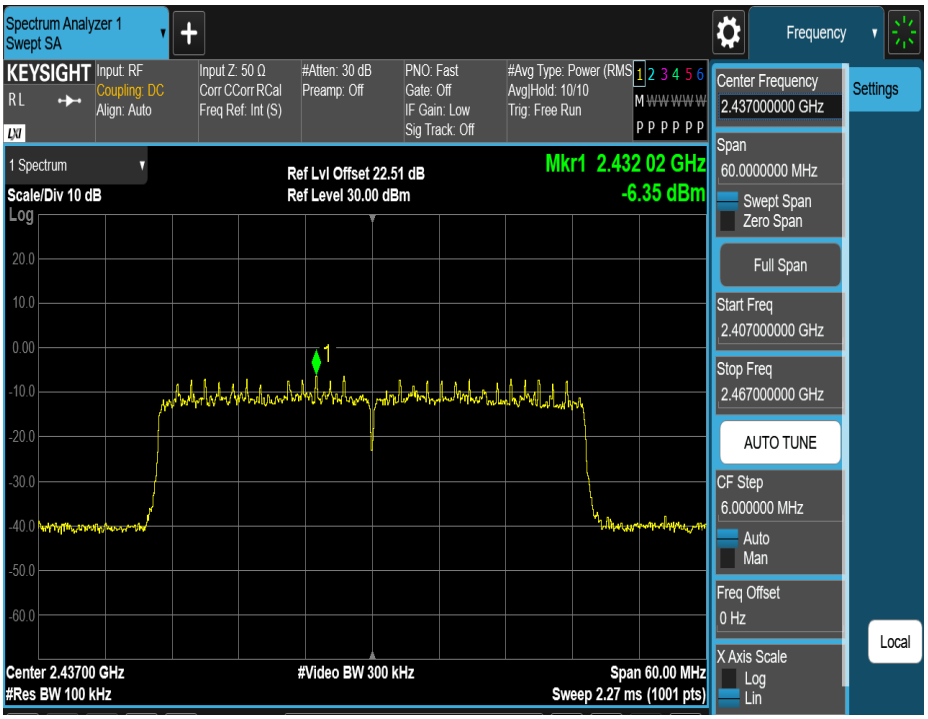


11AX40MIMO_Ant1_2437_30~1000

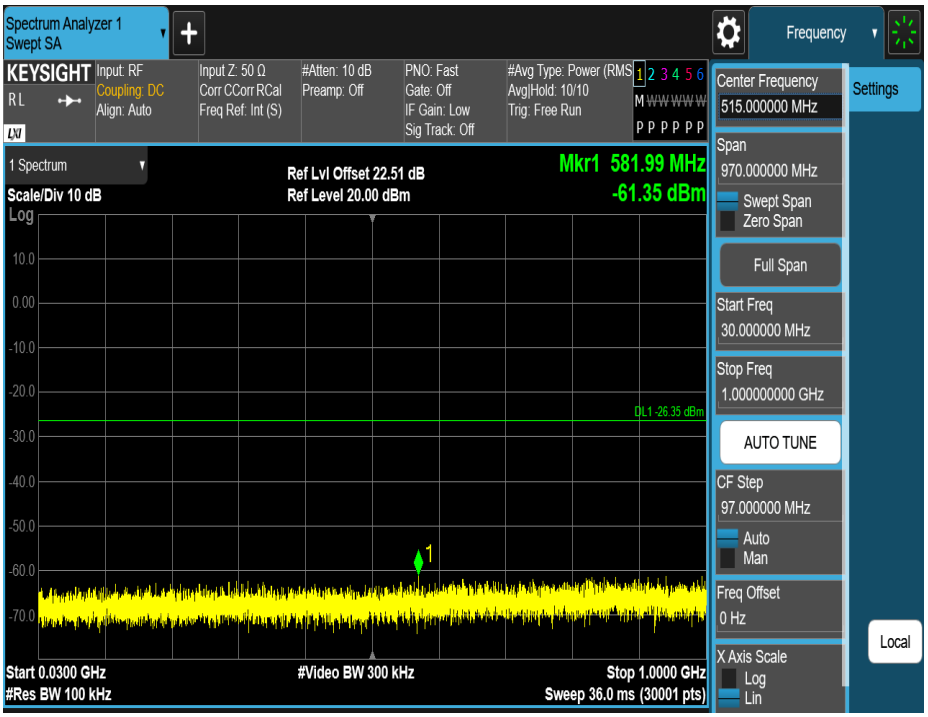


11AX40MIMO_Ant1_2437_1000~26500

11AX40MIMO_Ant2_2437_0~Reference

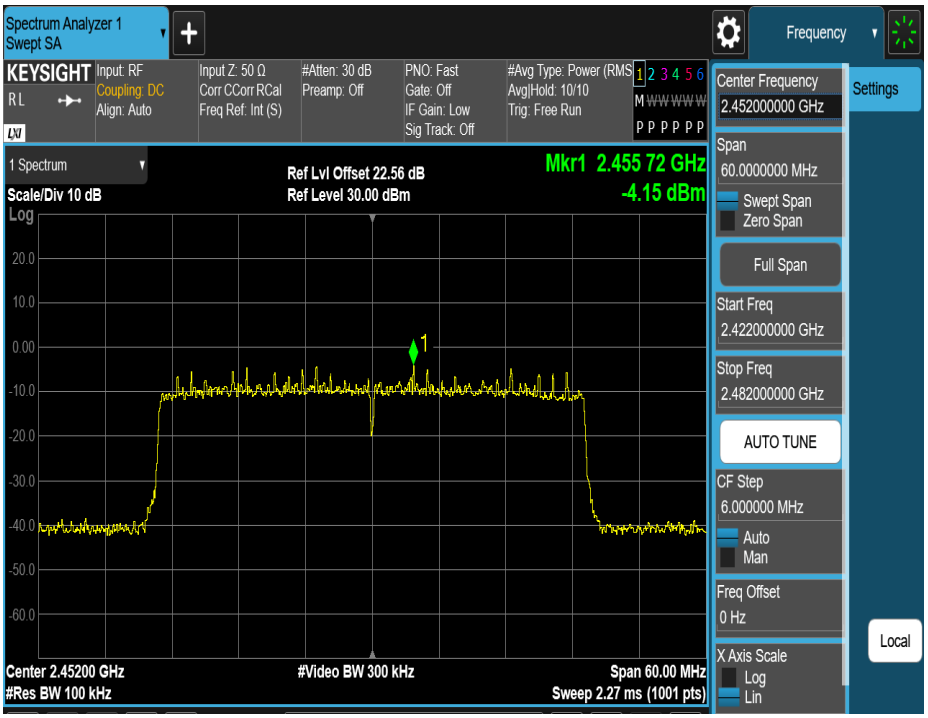


11AX40MIMO_Ant2_2437_30~1000

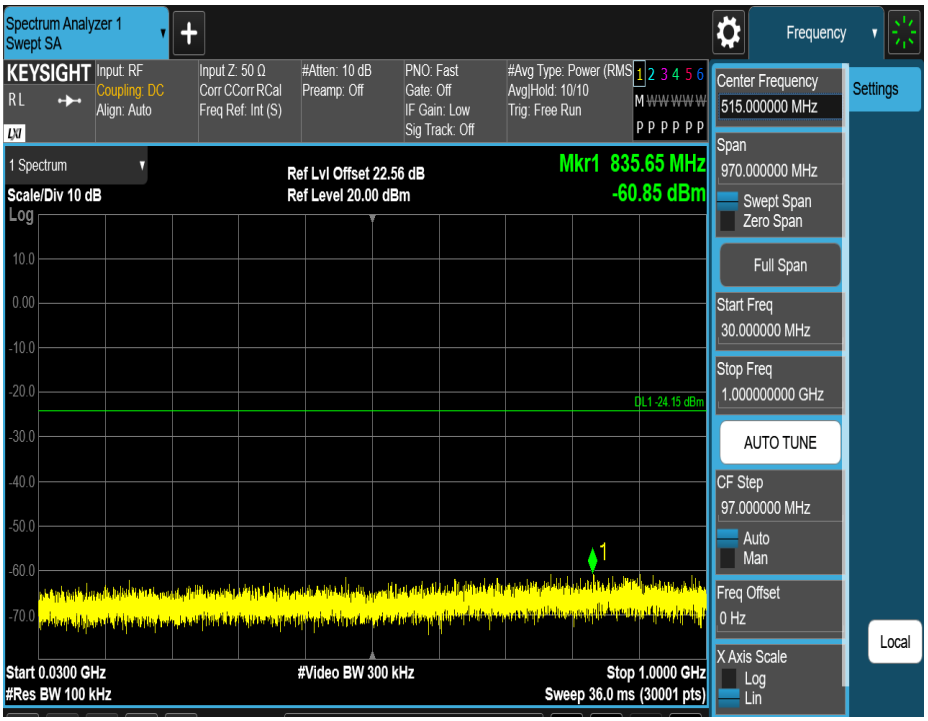


11AX40MIMO_Ant2_2437_1000~26500

11AX40MIMO_Ant1_2452_0~Reference

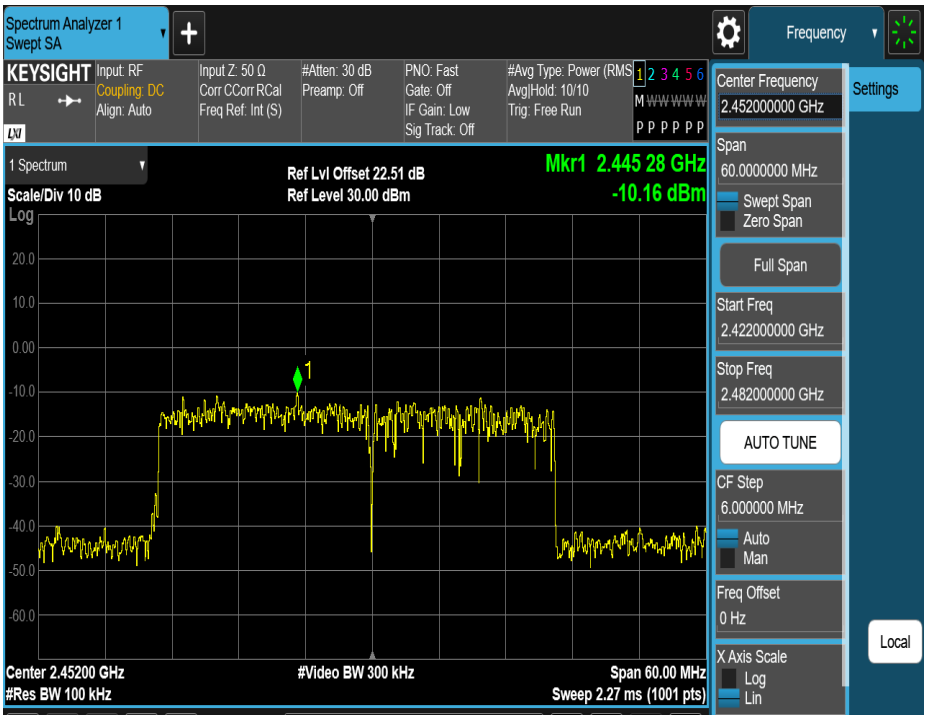


11AX40MIMO_Ant1_2452_30~1000

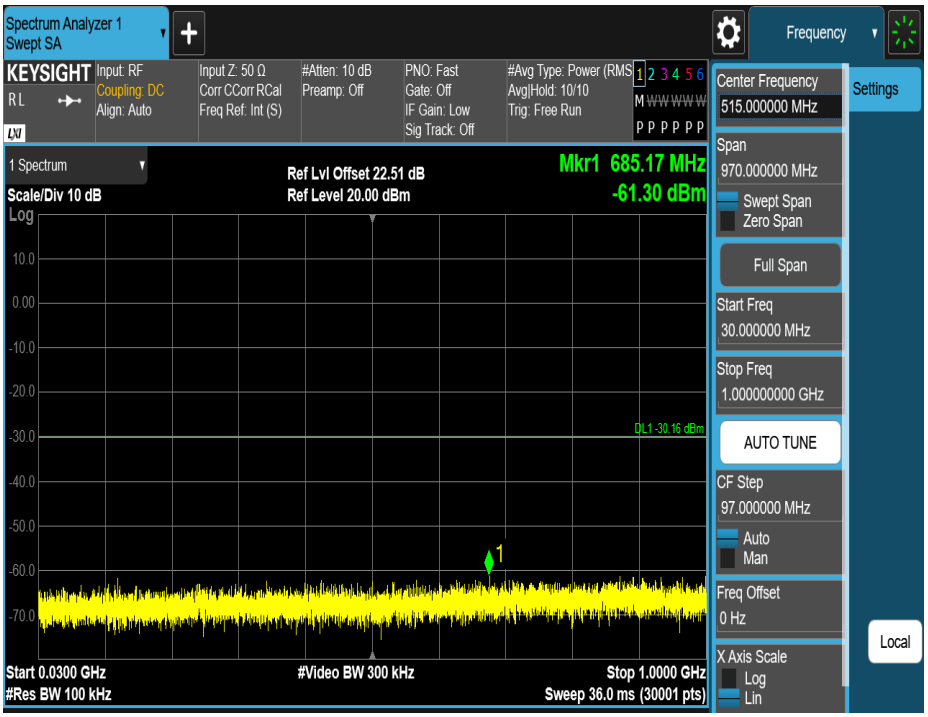


11AX40MIMO_Ant1_2452_1000~26500

11AX40MIMO_Ant2_2452_0~Reference



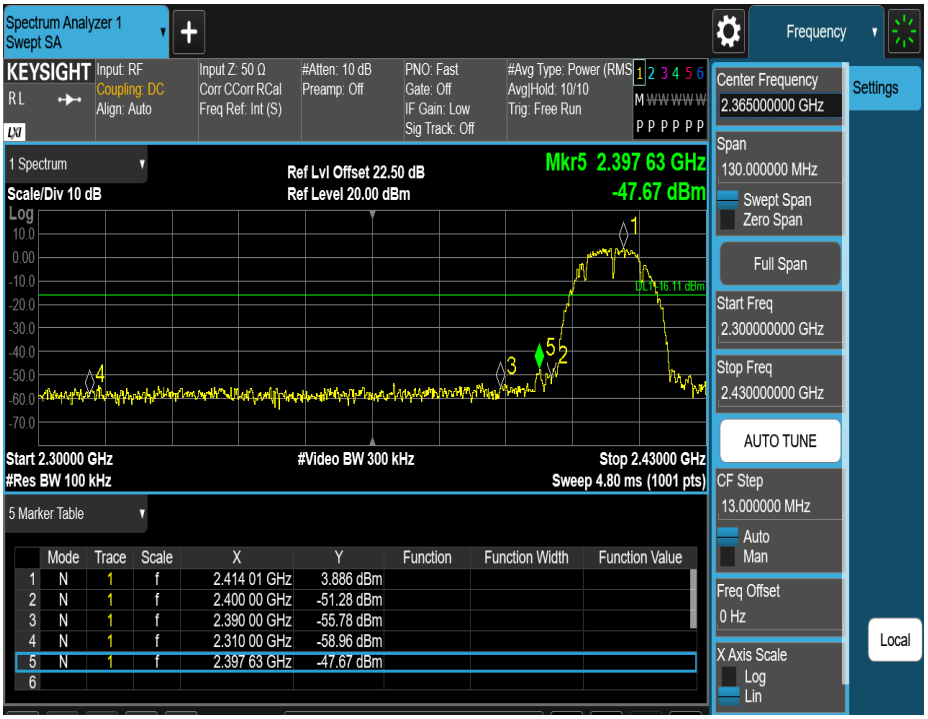
11AX40MIMO_Ant2_2452_30~1000



11AX40MIMO_Ant2_2452_1000~26500

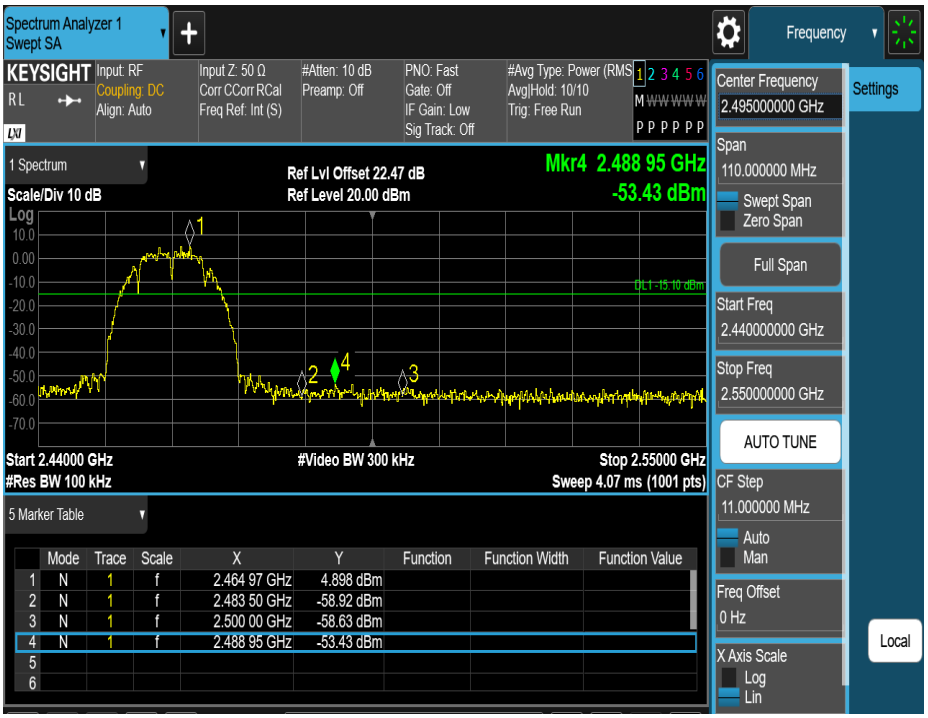
3.3.5.2. Band edge measurements

11B_Ant1_Low_2412



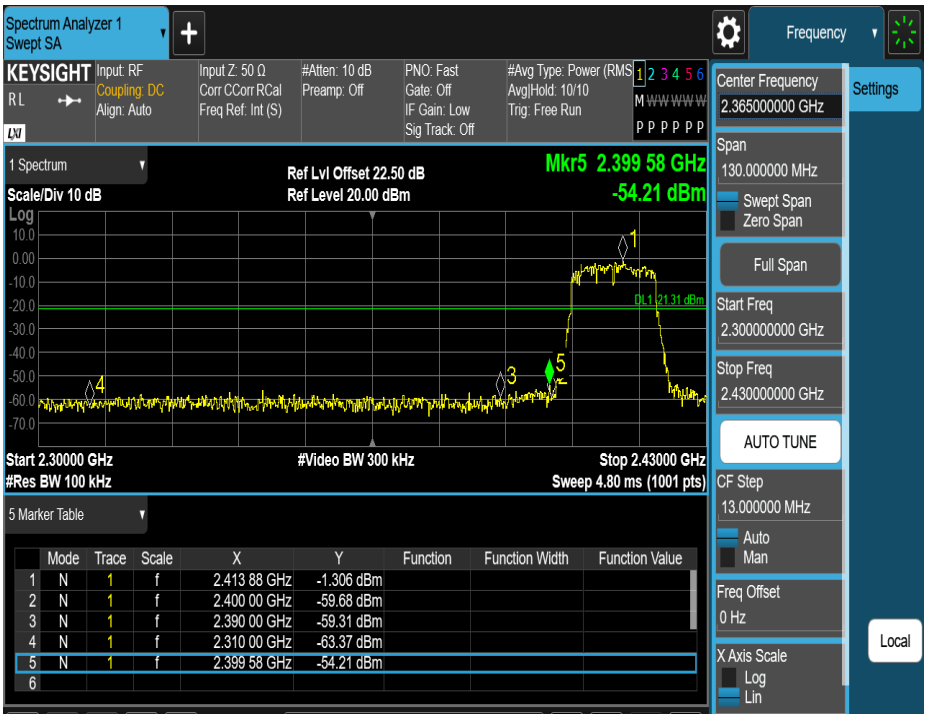
11B_Ant2_Low_2412

11B_Ant1_High_2462



11B_Ant2_High_2462

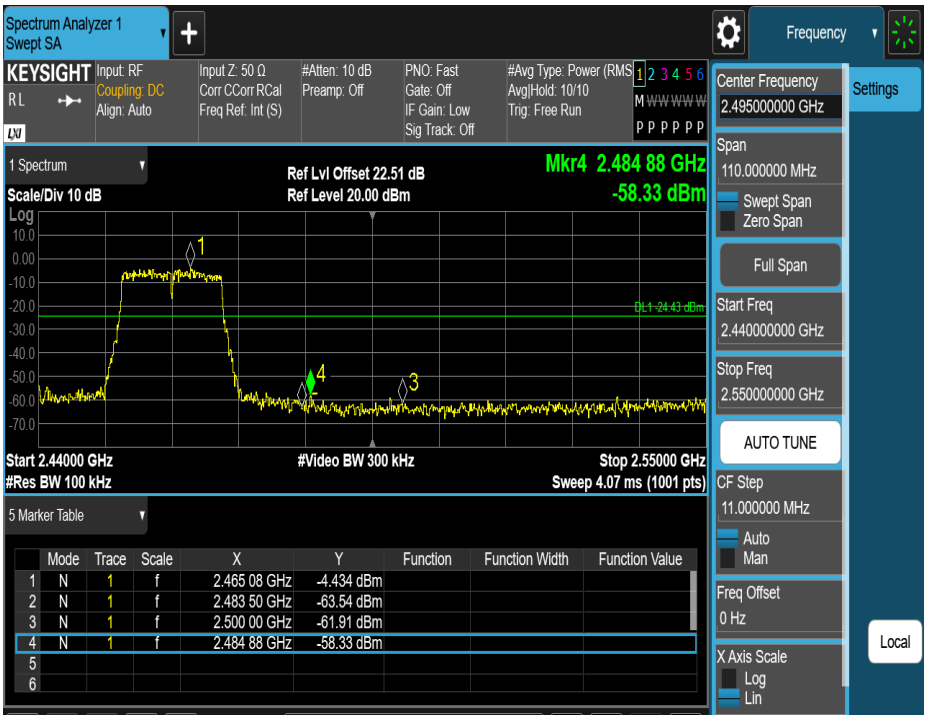
11G_Ant1_Low_2412



11G_Ant2_Low_2412

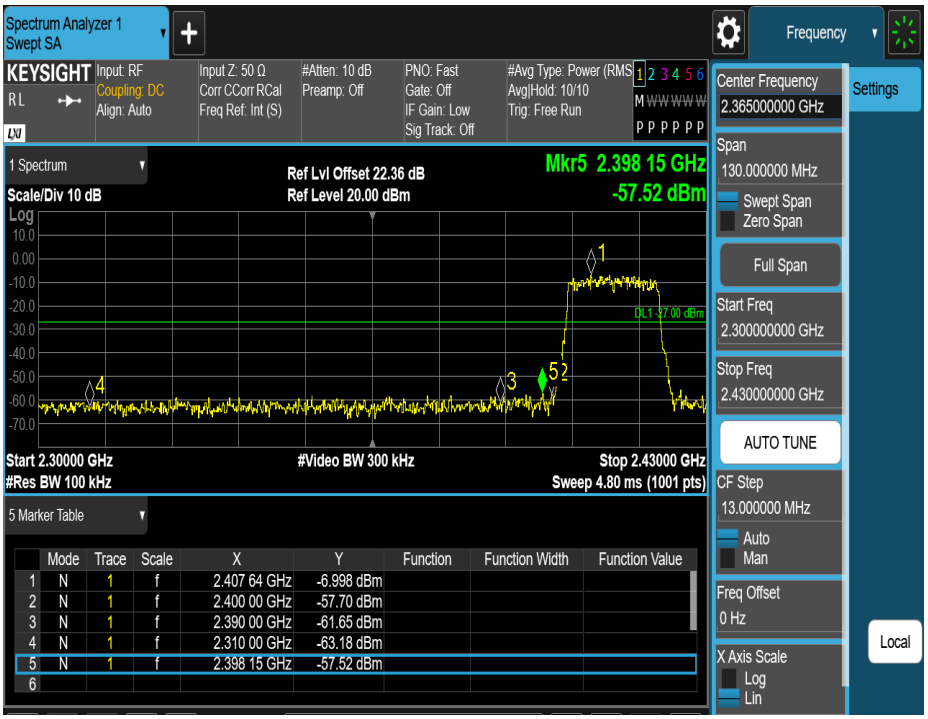
11G_Ant1_High_2462

11G_Ant2_High_2462



11N20MIMO_Ant1_Low_2412

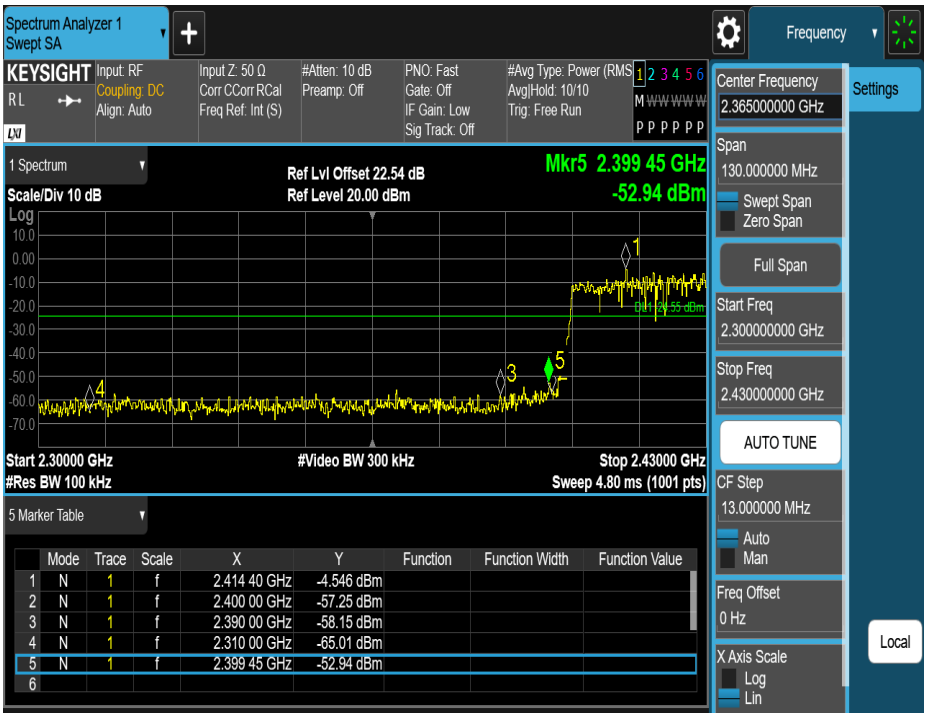
11N20MIMO_Ant2_Low_2412



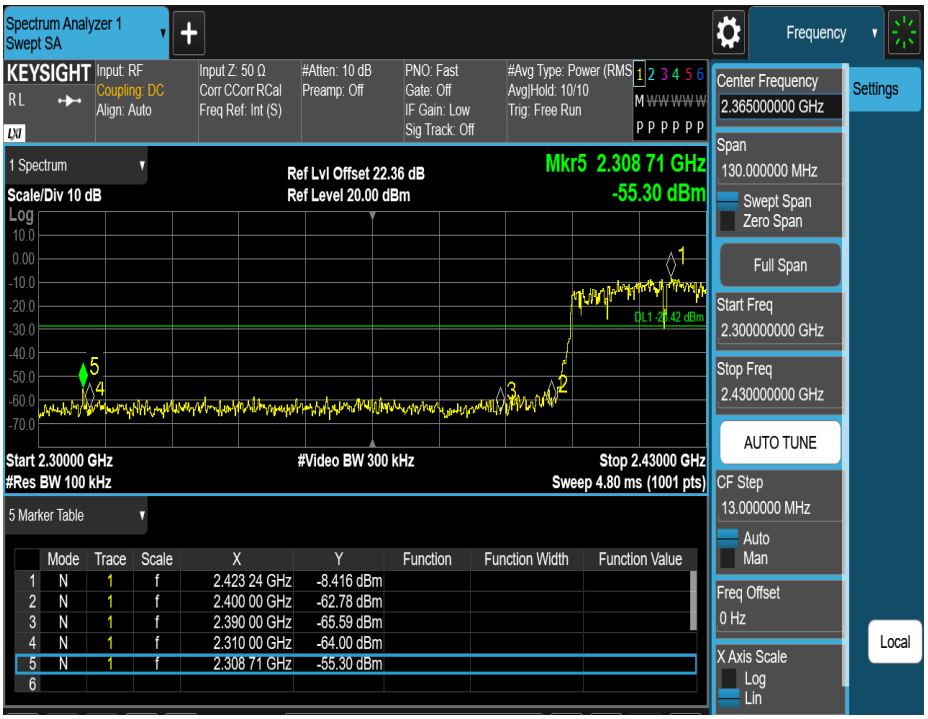
11N20MIMO_Ant1_High_2462

11N20MIMO_Ant2_High_2462

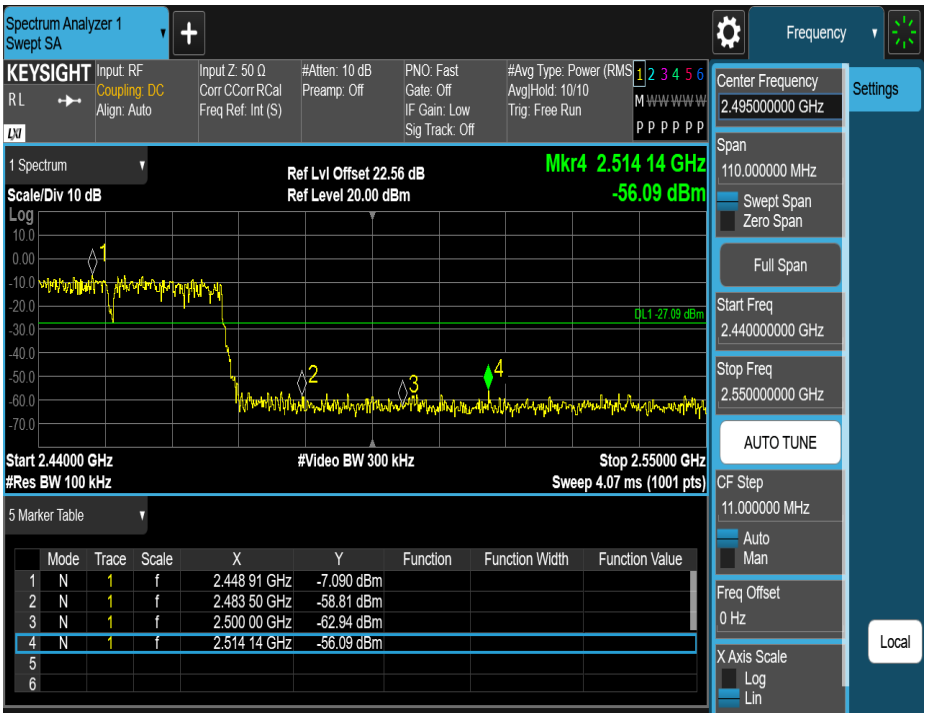
11N40MIMO_Ant1_Low_2422



11N40MIMO_Ant2_Low_2422



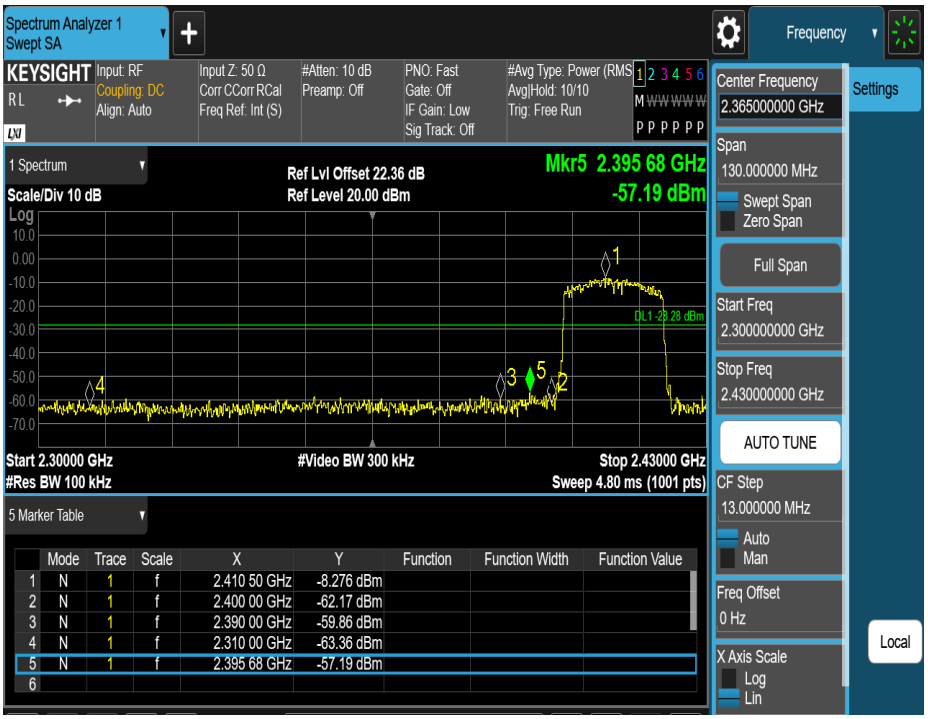
11N40MIMO_Ant1_High_2452



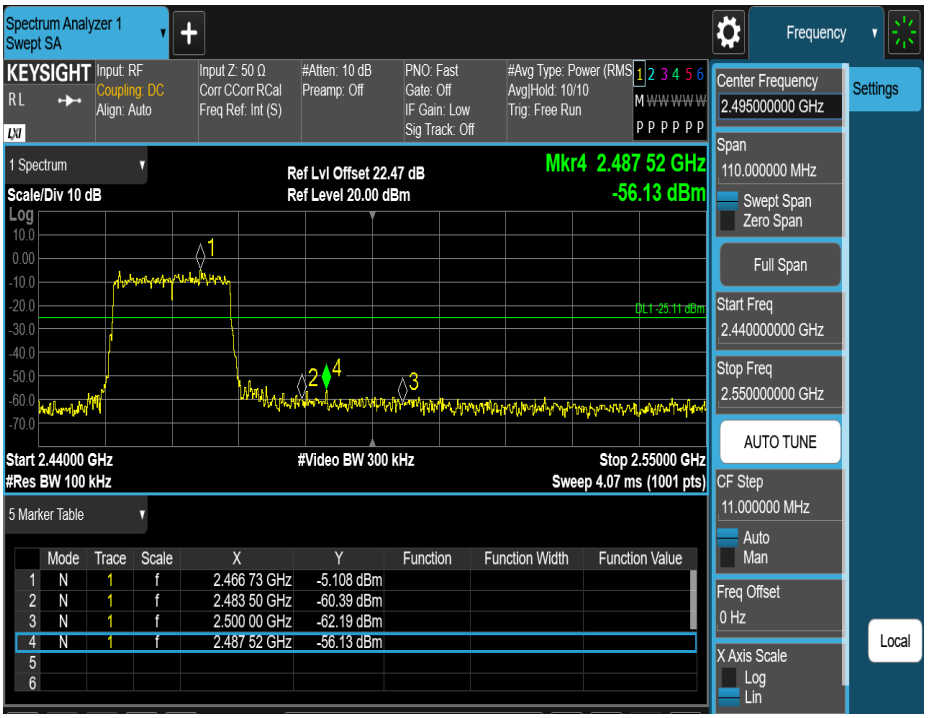
11N40MIMO_Ant2_High_2452

11AX20MIMO_Ant1_Low_2412

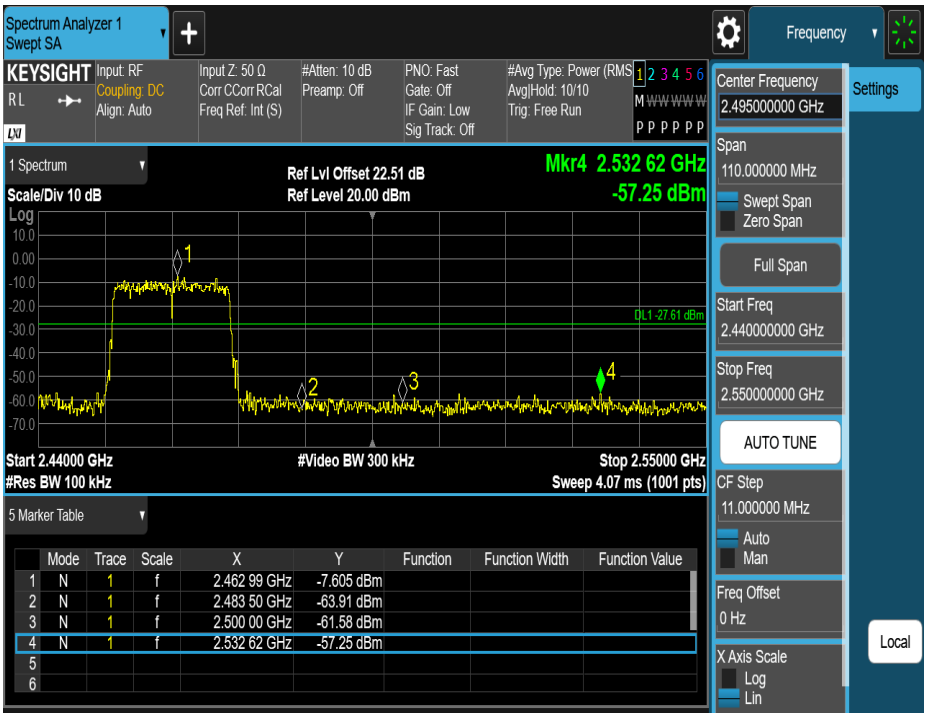
11AX20MIMO_Ant2_Low_2412



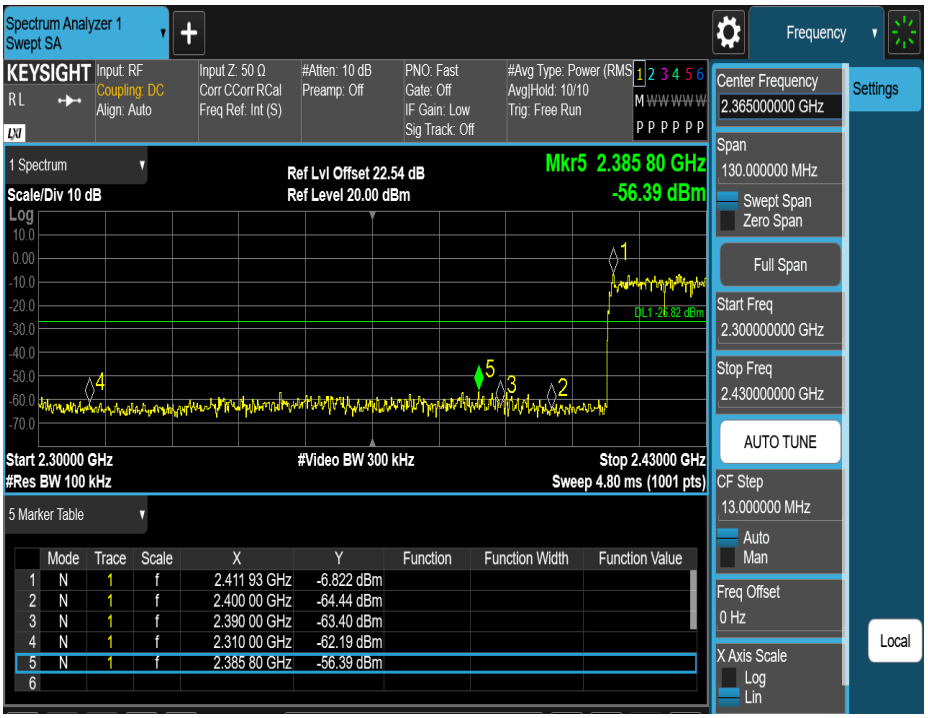
11AX20MIMO_Ant1_High_2462



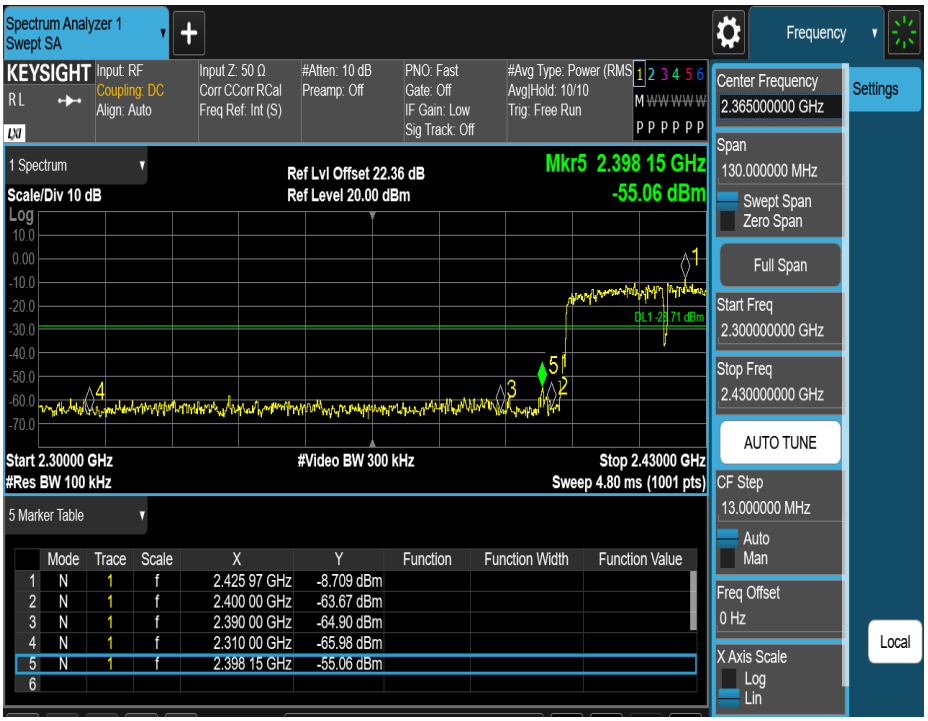
11AX20MIMO_Ant2_High_2462



11AX40MIMO_Ant1_Low_2422



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 directly connected to the tonscend test system and antenna output port as show in the block diagram below.

b) the spectrum analyser is set as follow:

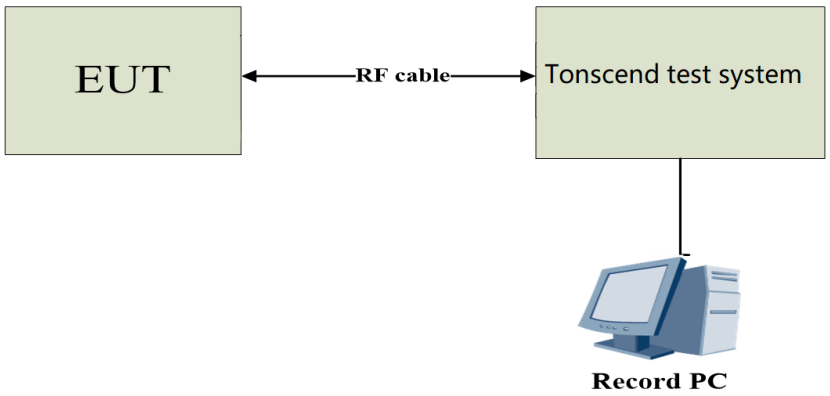
Centre Frequency	The centre frequency of the channel under test
RBW	100kHz
VBW	300kHz
Frequency span	2x Nominal Channel Bandwidth
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

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

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

e) 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	9.960	2406.960	2416.920	0.5	PASS
	Ant2	2412	9.960	2407.040	2417.000	0.5	PASS
	Ant1	2437	10.600	2430.960	2441.560	0.5	PASS
	Ant2	2437	10.960	2432.040	2443.000	0.5	PASS
	Ant1	2462	10.000	2457.040	2467.040	0.5	PASS
	Ant2	2462	11.080	2455.960	2467.040	0.5	PASS
11G	Ant1	2412	16.240	2403.840	2420.080	0.5	PASS
	Ant2	2412	16.320	2403.840	2420.160	0.5	PASS
	Ant1	2437	16.400	2428.800	2445.200	0.5	PASS
	Ant2	2437	16.200	2428.800	2445.000	0.5	PASS
	Ant1	2462	16.400	2453.800	2470.200	0.5	PASS
	Ant2	2462	16.400	2453.800	2470.200	0.5	PASS
11N20MIMO	Ant1	2412	17.720	2403.160	2420.880	0.5	PASS
	Ant2	2412	17.480	2403.320	2420.800	0.5	PASS
	Ant1	2437	17.120	2428.240	2445.360	0.5	PASS
	Ant2	2437	17.760	2428.160	2445.920	0.5	PASS
	Ant1	2462	17.360	2453.200	2470.560	0.5	PASS
	Ant2	2462	17.560	2453.200	2470.760	0.5	PASS
11N40MIMO	Ant1	2422	35.040	2404.720	2439.760	0.5	PASS
	Ant2	2422	35.760	2404.160	2439.920	0.5	PASS
	Ant1	2437	36.400	2418.840	2455.240	0.5	PASS
	Ant2	2437	35.760	2419.160	2454.920	0.5	PASS
	Ant1	2452	35.920	2434.000	2469.920	0.5	PASS
	Ant2	2452	35.840	2434.080	2469.920	0.5	PASS
11AX20MIMO	Ant1	2412	16.040	2403.360	2419.400	0.5	PASS
	Ant2	2412	14.080	2406.120	2420.200	0.5	PASS
	Ant1	2437	19.000	2427.480	2446.480	0.5	PASS
	Ant2	2437	19.040	2427.440	2446.480	0.5	PASS
	Ant1	2462	19.000	2452.440	2471.440	0.5	PASS
	Ant2	2462	16.800	2453.960	2470.760	0.5	PASS
11AX40MIMO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
	Ant2	2422	35.040	2404.480	2439.520	0.5	PASS
	Ant1	2437	38.080	2417.960	2456.040	0.5	PASS
	Ant2	2437	37.200	2418.520	2455.720	0.5	PASS
	Ant1	2452	34.720	2433.120	2467.840	0.5	PASS
	Ant2	2452	36.880	2433.760	2470.640	0.5	PASS

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