

11AX20MIMO_Ant1_2462_1000~26500



11AX20MIMO_Ant2_2462_0~Reference



11AX20MIMO_Ant2_2462_30~1000



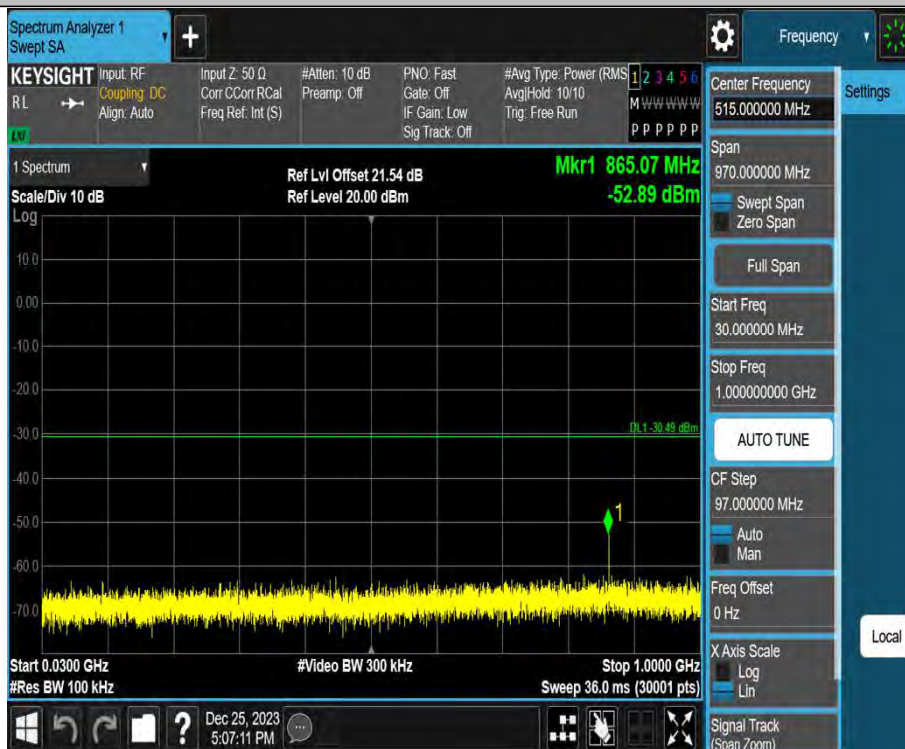
11AX20MIMO_Ant2_2462_1000~26500



11AX40MIMO_Ant1_2422_0~Reference



11AX40MIMO_Ant1_2422_30~1000



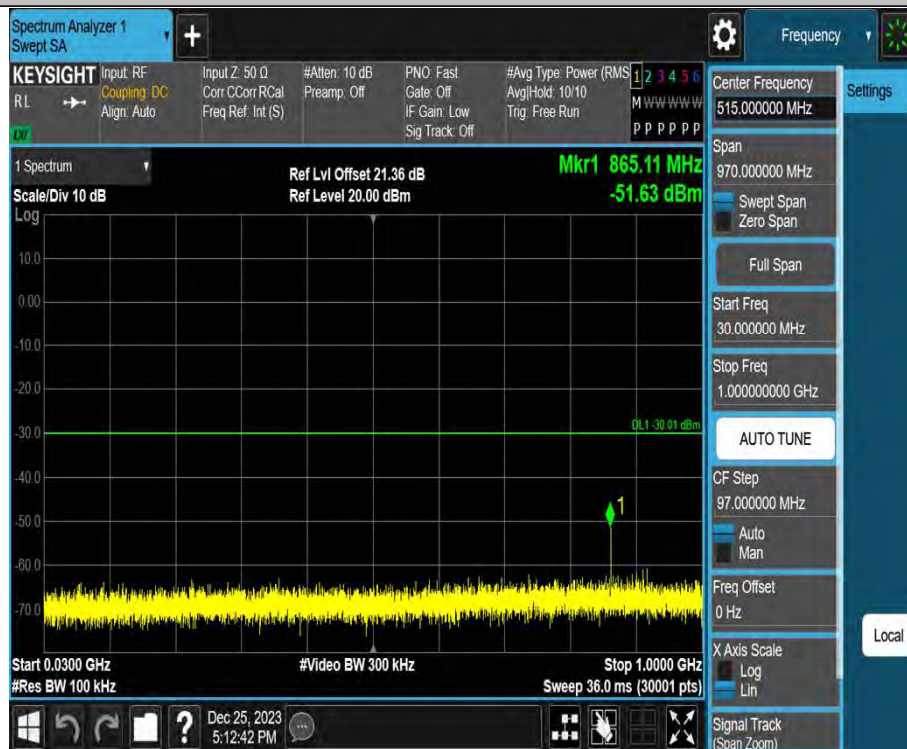
11AX40MIMO_Ant1_2422_1000~26500



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



Band edge

Test Mode	Antenna	Ch	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	Low	2412	2.00	-40.89	≤-28	PASS
	Ant2	Low	2412	3.12	-41.85	≤-26.88	PASS
	Ant1	High	2462	4.42	-41.32	≤-25.58	PASS
	Ant2	High	2462	5.38	-41.76	≤-24.62	PASS
11G-CDD	Ant1	Low	2412	3.33	-36.43	≤-26.67	PASS
	Ant2	Low	2412	2.89	-36.25	≤-27.11	PASS
	Ant1	High	2462	4.56	-41.91	≤-25.44	PASS
	Ant2	High	2462	1.51	-41.53	≤-28.49	PASS
11N20MIMO	Ant1	Low	2412	3.42	-35.21	≤-26.58	PASS
	Ant2	Low	2412	1.33	-35.61	≤-28.67	PASS
	Ant1	High	2462	1.57	-40.84	≤-28.43	PASS
	Ant2	High	2462	3.30	-41.02	≤-26.7	PASS
11N40MIMO	Ant1	Low	2422	-3.22	-40.58	≤-33.22	PASS
	Ant2	Low	2422	-2.24	-38.39	≤-32.24	PASS
	Ant1	High	2452	-2.04	-40.44	≤-32.04	PASS
	Ant2	High	2452	-1.12	-40.09	≤-31.12	PASS
11AX20MIMO	Ant1	Low	2412	1.76	-35.3	≤-28.24	PASS
	Ant2	Low	2412	2.18	-34.49	≤-27.82	PASS
	Ant1	High	2462	0.28	-41.35	≤-29.72	PASS
	Ant2	High	2462	3.08	-39.97	≤-26.92	PASS
11AX40MIMO	Ant1	Low	2422	-2.92	-40.32	≤-32.92	PASS
	Ant2	Low	2422	-1.77	-34.94	≤-31.77	PASS
	Ant1	High	2452	-0.65	-40.66	≤-30.65	PASS
	Ant2	High	2452	-0.53	-40	≤-30.53	PASS

Test Graphs

11B-CDD_Ant1_Low_2412



11B-CDD_Ant2_Low_2412



11B-CDD_Ant1_High_2462



11B-CDD_Ant2_High_2462



11G-CDD_Ant1_Low_2412



11G-CDD_Ant2_Low_2412



11G-CDD_Ant1_High_2462



11G-CDD_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 connected to the tonscend test system, and the spectrum analyser is set as follow:

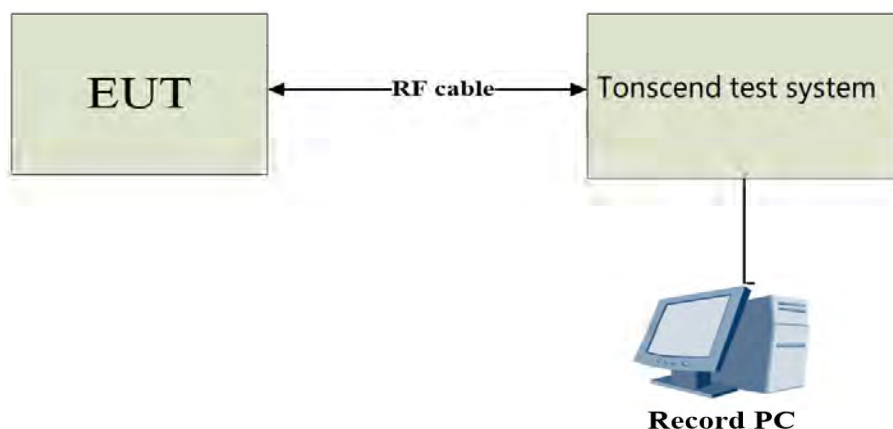
Centre Frequency	The centre frequency of the channel under test
RBW	100kHz
VBW	300kHz
Frequency span	2x Nominal Channel Bandwidth
Detector Mode	Peak
Trace Mode	Max Hold
Sweep Time	Auto Couple

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	9.080	2406.920	2416.000	0.5	PASS
	Ant2	2412	8.080	2407.920	2416.000	0.5	PASS
	Ant1	2437	7.600	2433.400	2441.000	0.5	PASS
	Ant2	2437	7.600	2432.920	2440.520	0.5	PASS
	Ant1	2462	8.080	2457.920	2466.000	0.5	PASS
	Ant2	2462	7.520	2458.440	2465.960	0.5	PASS
11G-CDD	Ant1	2412	16.000	2404.080	2420.080	0.5	PASS
	Ant2	2412	13.880	2404.400	2418.280	0.5	PASS
	Ant1	2437	14.440	2430.080	2444.520	0.5	PASS
	Ant2	2437	14.480	2430.040	2444.520	0.5	PASS
	Ant1	2462	12.640	2455.640	2468.280	0.5	PASS
	Ant2	2462	15.040	2454.400	2469.440	0.5	PASS
11N20MIMO	Ant1	2412	15.280	2404.440	2419.720	0.5	PASS
	Ant2	2412	10.120	2406.880	2417.000	0.5	PASS
	Ant1	2437	7.240	2433.480	2440.720	0.5	PASS
	Ant2	2437	10.400	2430.680	2441.080	0.5	PASS
	Ant1	2462	12.960	2456.560	2469.520	0.5	PASS
	Ant2	2462	10.680	2456.320	2467.000	0.5	PASS
11N40MIMO	Ant1	2422	35.920	2404.160	2440.080	0.5	PASS
	Ant2	2422	34.400	2404.080	2438.480	0.5	PASS
	Ant1	2437	26.880	2425.720	2452.600	0.5	PASS
	Ant2	2437	31.280	2420.040	2451.320	0.5	PASS
	Ant1	2452	33.520	2435.680	2469.200	0.5	PASS
	Ant2	2452	27.760	2436.720	2464.480	0.5	PASS
11AX20MIMO	Ant1	2412	16.040	2403.480	2419.520	0.5	PASS
	Ant2	2412	10.600	2405.440	2416.040	0.5	PASS
	Ant1	2437	4.760	2434.240	2439.000	0.5	PASS
	Ant2	2437	16.760	2427.960	2444.720	0.5	PASS
	Ant1	2462	11.360	2454.800	2466.160	0.5	PASS
	Ant2	2462	17.840	2453.320	2471.160	0.5	PASS
11AX40MIMO	Ant1	2422	32.000	2407.120	2439.120	0.5	PASS
	Ant2	2422	24.800	2405.200	2430.000	0.5	PASS
	Ant1	2437	36.320	2418.440	2454.760	0.5	PASS
	Ant2	2437	32.640	2419.560	2452.200	0.5	PASS
	Ant1	2452	34.880	2433.680	2468.560	0.5	PASS
	Ant2	2452	35.120	2434.400	2469.520	0.5	PASS

11B-CDD_Ant1_2412



11B-CDD_Ant2_2412



11B-CDD_Ant1_2437



11B-CDD_Ant2_2437



11B-CDD_Ant1_2462



11B-CDD_Ant2_2462



11G-CDD_Ant1_2412



11G-CDD_Ant2_2412



11G-CDD_Ant1_2437



11G-CDD_Ant2_2437



11G-CDD_Ant1_2462



11G-CDD_Ant2_2462



11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437



11N20MIMO_Ant2_2437



11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462



11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



11AX20MIMO_Ant1_2412



11AX20MIMO_Ant2_2412



11AX20MIMO_Ant1_2437



11AX20MIMO_Ant2_2437



11AX20MIMO_Ant1_2462



11AX20MIMO_Ant2_2462



11AX40MIMO_Ant1_2422



11AX40MIMO_Ant2_2422



11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452

