



















7. 26DB BANDWIDTH MEASUREMENT

7.1. Limts of 26dB Bandwidth Measurement

None; for reporting purposes only.

7.2. Test Procedure

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

7.3. Test Setup



7.4. Test Data

26dB Bandwidth Test Data

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
	Ant1	5180	23.85	5168.26	5192.11		
	Ant2	5180	25.52	5167.23	5192.75		
	Ant1	5200	23.75	5188.16	5211.90		-
	Ant2	5200	25.77	5187.15	5212.92		
	Ant1	5240	23.93	5228.13	5252.06		
	Ant2	5240	25.71	5227.23	5252.94		
	Ant1	5260	23.77	5248.30	5272.07		
	Ant2	5260	25.57	5247.30	5272.87		
	Ant1	5280	24.38	5268.08	5292.46		
	Ant2	5280	25.15	5267.37	5292.52		
	Ant1	5320	23.76	5308.44	5332.20		
11A	Ant2	5320	23.60	5308.24	5331.84		
	Ant1	5500	22.72	5488.68	5511.40		
	Ant2	5500	24.48	5486.88	5511.36		
	Ant1	5600	23.67	5588.34	5612.01		
	Ant2	5600	25.54	5587.16	5612.70		
	Ant1	5700	23.78	5688.13	5711.91		
	Ant2	5700	24.04	5687.90	5711.93		
	Ant1	5745	23.69	5733.35	5757.04		
	Ant2	5745	24.40	5732.77	5757.16		
	Ant1	5785	24.24	5772.98	5797.22		
	Ant2	5785	25.37	5771.42	5796.79		
	Ant1	5825	23.76	5813.37	5837.13		

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	Ant2	5825 5180	25.44 24.46	5812.46 5167.86	5837.90 5192.32		
	Ant1		25.64				
	Ant2 Ant1	5180 5200	24.83	5167.74 5187.95	5193.38 5212.78		
				5187.93			
	Ant2	5200 5240	25.71		5212.90		
	Ant1 Ant2	5240	24.46 25.42	5227.93	5252.39		
		5260	24.97	5227.02	5252.43		
	Ant1			5247.62	5272.58		
	Ant2	5260	25.97	5246.87	5272.84		
	Ant1	5280	24.33	5268.16	5292.49		
	Ant2	5280	25.66	5267.76	5293.41		
	Ant1	5320	24.04	5308.09	5332.13		
11N20MIMO	Ant2	5320	25.40	5307.18	5332.58		
	Ant1	5500	24.23	5487.80	5512.03		
	Ant2	5500	24.76	5486.87	5511.62		
	Ant1	5600	24.05	5588.14	5612.19		
	Ant2	5600	25.26	5587.62	5612.88		
	Ant1	5700	24.12	5687.98	5712.11		
	Ant2	5700	25.32	5687.65	5712.97		
	Ant1	5745	24.49	5733.33	5757.82		
	Ant2	5745	25.88	5732.74	5758.62		
	Ant1	5785	24.95	5772.85	5797.80		
	Ant2	5785	25.14	5772.04	5797.19		
	Ant1	5825	24.09	5813.06	5837.15		
	Ant2	5825	24.52	5812.89	5837.41		
	Ant1	5190	40.38	5169.82	5210.20		
	Ant2	5190	47.46	5167.19	5214.66		
	Ant1	5230	41.10	5209.75	5250.85		
	Ant2	5230	53.69	5200.78	5254.47		
	Ant1	5270	40.41	5249.86	5290.27		
	Ant2	5270	45.46	5249.15	5294.61		
	Ant1	5310	39.98	5289.94	5329.92		
	Ant2	5310	40.84	5289.64	5330.48		
11N40MIMO	Ant1	5510	52.02	5478.02	5530.04		
-	Ant2	5510	40.81	5489.20	5530.01		
-	Ant1	5590	40.30	5569.90	5610.20 5614.42		
-	Ant2	5590 5670	45.20	5569.22			
-	Ant1 Ant2	5670 5670	40.57 41.28	5649.62 5649.24	5690.18 5690.52		
-	Ant1	5755	40.54	5734.70	5775.25		
	Ant2	5755	50.67	5730.81	5781.48		
	Ant1	5795	40.31	5774.93	5815.24		
•	Ant2	5795	49.23	5766.12	5815.35		
	Ant1	5180	24.79	5167.82	5192.61		
-	Ant2	5180	25.40	5167.30	5192.01		
•	Ant1	5200	24.63	5187.39	5212.02		
11AC20MIMO	Ant2	5200	25.27	5187.02	5212.29		
	Ant1	5240	24.38	5228.03	5252.42		
	Ant2	5240	25.36	5226.89	5252.42		
	Ant1	5260	26.01	5247.12	5252.25		
	Ant2	5260	25.87	5247.12	5273.14		
	Ant1	5280	23.88	5268.11	5272.93		
	Ant2	5280	24.94	5267.73	5292.67		
	Ant1	5320	25.16	5307.17	5332.32		
	Ant2	5320	25.32	5307.62	5332.94		
	Ant1	5500	24.16	5487.83	5512.00		
	Ant2	5500	25.33	5486.52	5511.86		
	Ant1	5600	24.49	5588.02	5612.52		
	Ant2	5600	25.88	5587.14	5613.02		
	Ant1	5700	24.23	5687.90	5712.14		
	Ant2	5700	24.80	5688.16	5712.97		
	Ant1	5745	24.10	5732.50	5756.60		
	Ant2	5745	25.17	5732.77	5757.94		
	Ant1	5785	24.52	5772.74	5797.26		
ŀ	Ant2	5785	25.41	5771.80	5797.21		
ļ	Ant1	5825	24.32	5812.82	5837.13		
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<u> </u>	Ant2	5825	25.53	5812.84	5838.37		T
	Ant1	5190	39.72	5170.11	5209.83		
	Ant2	5190	40.45	5169.84	5210.29		
	Ant1	5230	40.66	5209.65	5250.31		
	Ant2	5230	49.55	5201.16	5250.71		
	Ant1	5270	40.04	5249.98	5290.02		
	Ant2	5270	48.61	5246.48	5295.09		
	Ant1	5310	39.93	5290.08	5330.01		
ŀ	Ant2	5310	40.74	5289.67	5330.42		
	Ant1	5510	40.11	5489.94	5530.42		
11AC40MIMO	Ant2	5510	43.22	5486.99	5530.21		
ŀ	Ant1	5590	40.14	5569.95	5610.10		
ŀ	Ant2	5590	47.04	5569.46	5616.50		
ŀ	Ant1	5670	40.39	5649.83	5690.22		
	Ant2	5670	45.72	5645.95	5691.67		
	Ant1	5755	40.02	5735.06	5775.07		
	Ant2	5755	44.00	5733.74	5777.74		
	Ant1	5795	40.26	5774.82	5815.08		
	Ant2	5795	42.11	5773.14	5815.26		
	Ant1	5210	80.08	5169.92	5250.00		
	Ant2	5210	80.13	5169.87	5250.00		
ŀ	Ant1	5290	80.21	5249.94	5330.14		
	Ant2	5290	80.30	5250.00	5330.30		
ŀ	Ant1	5530	80.50	5489.58	5570.08		
11AC80MIMO	Ant2	5530	80.38	5489.79	5570.18		
ŀ	Ant1	5610	94.96	5569.87	5664.83		
ŀ	Ant2	5610	113.41	5557.57	5670.98		
	Ant1	5775	101.74	5733.27	5835.02		
	Ant2	5775	125.74	5707.88	5833.62		
	Ant1	5180	22.60	5168.73	5191.32		
-	Ant2	5180	22.90	5168.20	5191.32		
-	Ant1	5200	23.07	5188.58	5211.64		
-	Ant2	5200	21.46	5189.18	5210.65		
-	Ant1	5240	22.52	5228.45	5250.98		
-	Ant2	5240	23.58	5228.24	5250.96		
-	Ant1	5260	21.92	5249.07	5270.99		
-	Ant2						
-		5260 5280	23.49	5248.54	5272.03 5291.72		
-	Ant1 Ant2	5280	23.37 24.20	5268.35 5268.95	5293.16		
-	Ant1	5320	21.37	5309.20	5330.58		
-		5320	22.22	5309.20	5330.86		
11AX20MIMO	Ant2	5500	24.33	5487.74	5512.07		
-	Ant1	5500	25.86				
-	Ant2	5600	24.02	5485.18 5587.70	5511.04		
-	Ant1 Ant2	5600	22.99		5611.73 5611.24		
-			26.33	5588.25			
-	Ant1	5700		5688.66	5714.99		
-	Ant2	5700 5745	23.16	5688.75	5711.91		
-	Ant1	5745 5745	23.05	5733.22	5756.27		
	Ant2	5745 5795	24.49	5732.72	5757.21		
	Ant1	5785 5785	22.69	5774.29	5796.98		
	Ant2	5785 5935	26.26	5770.99	5797.24		
	Ant1	5825	21.53	5814.36	5835.90		
11AX40MIMO	Ant2	5825	24.80	5812.45	5837.25		
	Ant1	5190	39.70	5170.14	5209.84		
	Ant2	5190	39.62	5170.22	5209.83		
	Ant1	5230	39.65	5210.13	5249.78		
	Ant2	5230	39.70	5210.08	5249.78		
	Ant1	5270	39.61	5250.20	5289.81		
	Ant2	5270	41.44	5248.45	5289.89		
	Ant1	5310	39.69	5290.11	5329.80		
	Ant2	5310	39.66	5290.20	5329.86		
	Ant1	5510	39.69	5490.11	5529.80		
	Ant2	5510	39.61	5490.10	5529.71		
	Ant1	5590	39.64	5570.18	5609.82		
			20.00			i .	•
	Ant2 Ant1	5590 5670	39.63 39.65	5570.19 5650.15	5609.82 5689.80		

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	Ant2	5670	40.44	5649.88	5690.32	
	Ant1	5755	39.69	5735.17	5774.86	
	Ant2	5755	39.66	5735.14	5774.80	
	Ant1	5795	39.64	5775.13	5814.77	
	Ant2	5795	39.82	5775.02	5814.84	
	Ant1	5210	80.61	5169.71	5250.32	
	Ant2	5210	80.56	5169.66	5250.22	
	Ant1	5290	80.74	5249.63	5330.37	
	Ant2	5290	80.56	5249.81	5330.37	
11AX80MIMO	Ant1	5530	80.96	5489.52	5570.48	
TTAX80MIMO	Ant2	5530	81.12	5489.52	5570.64	
	Ant1	5610	80.59	5569.70	5650.29	
	Ant2	5610	80.43	5569.79	5650.22	
	Ant1	5775	80.74	5734.63	5815.37	
	Ant2	5775	80.50	5734.71	5815.21	



























