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Occupied channel bandwidth Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11a-CDD	Ant6	5180	16.388	5171.7945	5188.1825		
11a-CDD	Ant7	5180	16.370	5171.8177	5188.1877		
11a-CDD	Ant6	5200	16.412	5191.7783	5208.1903		
11a-CDD	Ant7	5200	16.366	5191.8099	5208.1759		
11a-CDD	Ant6	5240	16.424	5231.7699	5248.1939		
11a-CDD	Ant7	5240	16.403	5231.7915	5248.1945		
11a-CDD	Ant6	5260	16.430	5251.7666	5268.1966		
11a-CDD	Ant7	5260	16.371	5251.7962	5268.1672		
11a-CDD	Ant6	5300	16.401	5291.7747	5308.1757		
11a-CDD	Ant7	5300	16.354	5291.8257	5308.1797		
11a-CDD	Ant6	5320	16.421	5311.7718	5328.1928		
11a-CDD	Ant7	5320	16.374	5311.8114	5328.1854		
11a-CDD	Ant6	5500	16.434	5491.7602	5508.1942		
11a-CDD	Ant7	5500	16.679	5491.7302	5508.4092		
11a-CDD	Ant6	5600	16.426	5591.7685	5608.1945		
11a-CDD	Ant7	5600	16.394	5591.7981	5608.1921		
11a-CDD	Ant6	5720	16.463	5711.7530	5728.2160		
11a-CDD	Ant7	5720	16.372	5711.7878	5728.1598		
11a-CDD	Ant6	5720_UNII-2C	13.247	5711.7530	5725		
11a-CDD	Ant7	5720_UNII-2C	13.212	5711.7878	5725		
11a-CDD	Ant6	5720_UNII-3	3.216	5725	5728.2160		
11a-CDD	Ant7	5720_UNII-3	3.16	5725	5728.1598		
11a-CDD	Ant6	5745	16.426	5736.7616	5753.1876		
11a-CDD	Ant7	5745	16.365	5736.7915	5753.1565		
11a-CDD	Ant6	5785	16.416	5776.7603	5793.1763		
11a-CDD	Ant7	5785 5825	16.345	5776.8261 5816.7538	5793.1711 5833.1658		
11a-CDD 11a-CDD	Ant6 Ant7	5825	16.412 16.388	5816.7941	5833.1821		
11n20MIMO	Ant6	5180	17.583	5171.1828	5188.7658		
11n20MIMO	Ant7	5180	17.617	5171.1020	5188.7946		
11n20MIMO	Ant6	5200	17.586	5191.1831	5208.7691		
11n20MIMO	Ant7	5200	17.550	5191.2116	5208.7616		
11n20MIMO	Ant6	5240	17.616	5231.1760	5248.7920		
11n20MIMO	Ant7	5240	17.612	5231.1855	5248.7975		
11n20MIMO	Ant6	5260	17.595	5251.2338	5268.8288		
11n20MIMO	Ant7	5260	17.589	5251.2234	5268.8124		
11n20MIMO	Ant6	5300	17.580	5291.2340	5308.8140		
11n20MIMO	Ant7	5300	17.582	5291.2445	5308.8265		
11n20MIMO	Ant6	5320	17.594	5311.2148	5328.8088		
11n20MIMO	Ant7	5320	17.546	5311.2536	5328.7996		
11n20MIMO	Ant6	5500	17.589	5491.2067	5508.7957		
11n20MIMO	Ant7	5500	17.556	5491.2287	5508.7847		
11n20MIMO	Ant6	5600	17.610	5591.2006	5608.8106		
11n20MIMO	Ant7	5600	17.577	5591.2320	5608.8090		
11n20MIMO	Ant6	5720	17.596	5711.2227	5728.8187		
11n20MIMO	Ant7	5720	17.601	5711.1867	5728.7877		
11n20MIMO	Ant6	5720_UNII-2C	13.777	5711.2227	5725		
11n20MIMO	Ant7	5720_UNII-2C	13.813	5711.1867	5725		
11n20MIMO	Ant6	5720_UNII-3	3.819	5725	5728.8187		
11n20MIMO	Ant7	5720_UNII-3	3.788	5725	5728.7877		
11n20MIMO	Ant6	5745	17.600	5736.2079	5753.8079		
11n20MIMO	Ant7	5745	17.602	5736.2044	5753.8064		
11n20MIMO	Ant6	5785	17.620	5776.2027	5793.8227		
11n20MIMO	Ant7	5785	17.591	5776.2441	5793.8351		
11n20MIMO	Ant6	5825	17.604	5816.2024	5833.8064		
11n20MIMO	Ant7	5825	17.611	5816.2023	5833.8133		
11n40MIMO	Ant6	5190	35.979	5172.0754	5208.0544		
11n40MIMO	Ant7	5190	36.017	5172.0838	5208.1008		
11n40MIMO	Ant6	5230	35.964	5212.0828	5248.0468		
11n40MIMO	Ant7	5230	36.011	5212.0608	5248.0718		
11n40MIMO	Ant6	5270	36.002	5252.0874	5288.0894		
11n40MIMO	Ant7	5270	36.026	5252.0544	5288.0804		

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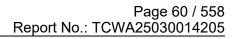
Email: info@towewireless.com

TOWE-QP-15-F05 Rev.1.1



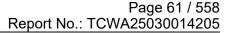


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11n40MIMO	Ant7	5310	36.039	5291.9956	5328.0346		
11n40MIMO	Ant6	5510	35.976	5492.0620	5528.0380		
11n40MIMO	Ant7	5510	35.990	5492.0806	5528.0706		
11n40MIMO	Ant6	5590	35.996	5572.0698	5608.0658		
11n40MIMO	Ant7	5590	36.007	5572.0616	5608.0686		
11n40MIMO	Ant6	5710	36.095	5691.9580	5728.0530		
11n40MIMO	Ant7	5710	35.991	5692.0176	5728.0086		
11n40MIMO	Ant6	5710 UNII-2C	33.042	5691.9580	5725		
11n40MIMO	Ant7	5710 UNII-2C	32.982	5692.0176	5725		
		_				+	
11n40MIMO	Ant6	5710_UNII-3	3.053	5725	5728.0530		
11n40MIMO	Ant7	5710_UNII-3	3.009	5725	5728.0086		
11n40MIMO	Ant6	5755	36.011	5736.9969	5773.0079		
11n40MIMO	Ant7	5755	35.977	5737.0319	5773.0089		
11n40MIMO	Ant6	5795	36.051	5776.9715	5813.0225		
11n40MIMO	Ant7	5795	36.017	5776.9947	5813.0117		
11ac80MIMO	Ant6	5210	75.167	5172.2473	5247.4143		
11ac80MIMO	Ant7	5210	75.106	5172.3682	5247.4742		
11ac80MIMO	Ant6	5290	75.013	5252.5100	5327.5230		
11ac80MIMO	Ant7	5290	75.181	5252.4190	5327.6000		
11ac80MIMO	Ant6	5530	75.101	5492.3579	5567.4819	+	
11ac80MIMO	Ant7	5530	75.090	5492.4900	5567.5800		
11ac80MIMO	Ant6	5610	75.122	5572.5356	5647.6576		
11ac80MIMO	Ant7	5610	75.124	5572.4003	5647.5243		
11ac80MIMO	Ant6	5690	75.086	5652.4412	5727.5272		
11ac80MIMO	Ant7	5690	75.100	5652.3841	5727.4841		
						+	
11ac80MIMO	Ant6	5690_UNII-2C	72.559	5652.4412	5725		
11ac80MIMO	Ant7	5690_UNII-2C	72.616	5652.3841	5725		
11ac80MIMO	Ant6	5690 UNII-3	2.527	5725	5727.5272		
11ac80MIMO	Ant7	5690 UNII-3	2.484	5725	5727.4841		
11ac80MIMO	Ant6	5775	75.150	5737.2810	5812.4310		
						+	
11ac80MIMO	Ant7	5775	75.264	5737.2890	5812.5530		
11ac160MIMO	Ant6	5250	154.86	5172.2191	5327.0791		
11ac160MIMO	Ant7	5250	154.52	5172.6618	5327.1818		
11ac160MIMO	Ant6	5250 UNII-1	77.781	5172.2191	5250		
11ac160MIMO	Ant7	5250 UNII-1	77.338	5172.6618	5250		
11ac160MIMO	Ant6	5250 UNII-2A	77.079	5250	5327.0791		
						†	
11ac160MIMO	Ant7	5250_UNII-2A	77.182	5250	5327.1818		
11ac160MIMO	Ant6	5570	154.73	5492.4542	5647.1842		
11ac160MIMO	Ant7	5570	154.08	5492.8659	5646.9459		
11ax20MIMO	Ant6	5180	18.901	5170.5921	5189.4931		
11ax20MIMO	Ant7	5180	18.868	5170.6230	5189.4910		
						†	
11ax20MIMO	Ant6	5200	18.907	5190.5716	5209.4786		
11ax20MIMO	Ant7	5200	18.851	5190.6104	5209.4614		
11ax20MIMO	Ant6	5240	18.895	5230.5788	5249.4738		
11ax20MIMO	Ant7	5240	18.900	5230.5753	5249.4753		
11ax20MIMO	Ant6	5260	18.888	5250.5900	5269.4780		
11ax20MIMO	Ant7	5260	18.893	5250.5702	5269.4632		
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11ax20MIMO	Ant6	5300	18.899	5290.5724	5309.4714		
11ax20MIMO	Ant7	5300	18.885	5290.5940	5309.4790		
11ax20MIMO	Ant6	5320	18.873	5310.5860	5329.4590		
11ax20MIMO	Ant7	5320	18.882	5310.5994	5329.4814		
11ax20MIMO	Ant6	5500	18.889	5490.5821	5509.4711		
11ax20MIMO						†	
	Ant7	5500	18.877	5490.5909	5509.4679		
11ax20MIMO	Ant6	5600	18.897	5590.5772	5609.4742		
11ax20MIMO	Ant7	5600	18.892	5590.5841	5609.4761		
11ax20MIMO	Ant6	5720	18.894	5710.5715	5729.4655		
11ax20MIMO	Ant7	5720	18.883	5710.5577	5729.4407		
11ax20MIMO	Ant6	5720_UNII-2C	14.429	5710.5715	5725		
11ax20MIMO	Ant7	5720_UNII-2C	14.442	5710.5577	5725		
11ax20MIMO	Ant6	5720_UNII-3	4.466	5725	5729.4655		
11ax20MIMO	Ant7	5720_UNII-3	4.441	5725	5729.4407		
11ax20MIMO	Ant6	5745	18.873	5735.5791	5754.4521		
11ax20MIMO	Ant7	5745	18.908	5735.5549	5754.4629		
						†	
11ax20MIMO	Ant6	5785	18.908	5775.5620	5794.4700		
11ax20MIMO	Ant7	5785	18.879	5775.5965	5794.4755		
11ax20MIMO	Ant6	5825	18.896	5815.5636	5834.4596		





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11ax20MIMO	Ant7	5825	18.870	5815.5843	5834.4543		
11ax40MIMO	Ant6	5190	37.573	5171.3123	5208.8853		
11ax40MIMO	Ant7	5190	37.609	5171.2436	5208.8526		
11ax40MIMO	Ant6	5230	37.569	5211.2819	5248.8509		
11ax40MIMO	Ant7	5230	37.538	5211.2240	5248.7620		
11ax40MIMO	Ant6	5270	37.531	5251.2900	5288.8210		
11ax40MIMO	Ant7	5270	37.664	5251.2199	5288.8839		
11ax40MIMO	Ant6	5310	37.575	5291.2353	5328.8103		
11ax40MIMO	Ant7	5310	37.610	5291.3051	5328.9151		
11ax40MIMO	Ant6	5510	37.537	5491.2570	5528.7940		
11ax40MIMO	Ant7	5510	37.624	5491.1906	5528.8146		
11ax40MIMO	Ant6	5590	37.595	5571.2327	5608.8277		
11ax40MIMO	Ant7	5590	37.685	5571.1995	5608.8845		
11ax40MIMO	Ant6	5710	37.668	5691.1756	5728.8436		
11ax40MIMO	Ant7	5710	37.571	5691.1413	5728.7123		
11ax40MIMO	Ant6	5710_UNII-2C	33.824	5691.1756	5725		
11ax40MIMO	Ant7	5710 UNII-2C	33.859	5691.1413	5725		
11ax40MIMO	Ant6	5710 UNII-3	3.844	5725	5728.8436		
11ax40MIMO	Ant7	5710 UNII-3	3.712	5725	5728.7123		
11ax40MIMO	Ant6	5755	37.542	5736.2712	5773.8132		
11ax40MIMO	Ant7	5755	37.572	5736.2179	5773.7899		
11ax40MIMO	Ant6	5795	37.608	5776.1684	5813.7764		
11ax40MIMO	Ant7	5795	37.608	5776.2938	5813.9018		
11ax80MIMO	Ant6	5210	76.636	5171.8246	5248.4606		
11ax80MIMO	Ant7	5210	76.673	5171.8715	5248.5445		
							
11ax80MIMO	Ant6	5290	76.491	5251.8655	5328.3565		
11ax80MIMO	Ant7	5290	76.538	5251.7854	5328.3234		
11ax80MIMO	Ant6	5530	76.760	5491.7396	5568.4996		
11ax80MIMO	Ant7	5530	76.631	5491.8223	5568.4533		
11ax80MIMO	Ant6	5610	76.856	5571.7499	5648.6059		
11ax80MIMO	Ant7	5610	76.761	5571.7973	5648.5583		
11ax80MIMO	Ant6	5690	76.695	5651.7596	5728.4546		
11ax80MIMO	Ant7	5690	76.641	5651.7276	5728.3686		
11ax80MIMO	Ant6	5690_UNII-2C	73.24	5651.7596	5725		
11ax80MIMO	Ant7	5690 UNII-2C	73.272	5651.7276	5725		
11ax80MIMO	Ant6	5690 UNII-3	3.455	5725	5728.4546		
11ax80MIMO	Ant7	5690 UNII-3	3.369	5725	5728.3686		
11ax80MIMO	Ant6	5775	76.713	5736.5695	5813.2825		
11ax80MIMO	Ant7	5775	76.656	5736.6846	5813.3406		†
11ax160MIMO	Ant6	5250	155.36	5172.4682	5327.8282		
11ax160MIMO	Ant7	5250	155.14	5172.8172	5327.9572		
11ax160MIMO	Ant6	5250 UNII-1	77.532	5172.4682	5250		
							
11ax160MIMO	Ant7	5250_UNII-1	77.183	5172.8172	5250		
11ax160MIMO	Ant6	5250_UNII-2A	77.828	5250	5327.8282		
11ax160MIMO	Ant7	5250_UNII-2A	77.957	5250	5327.9572		
11ax160MIMO	Ant6	5570	156.05	5491.9998	5648.0498		
11ax160MIMO	Ant7	5570	155.51	5492.1103	5647.6203		



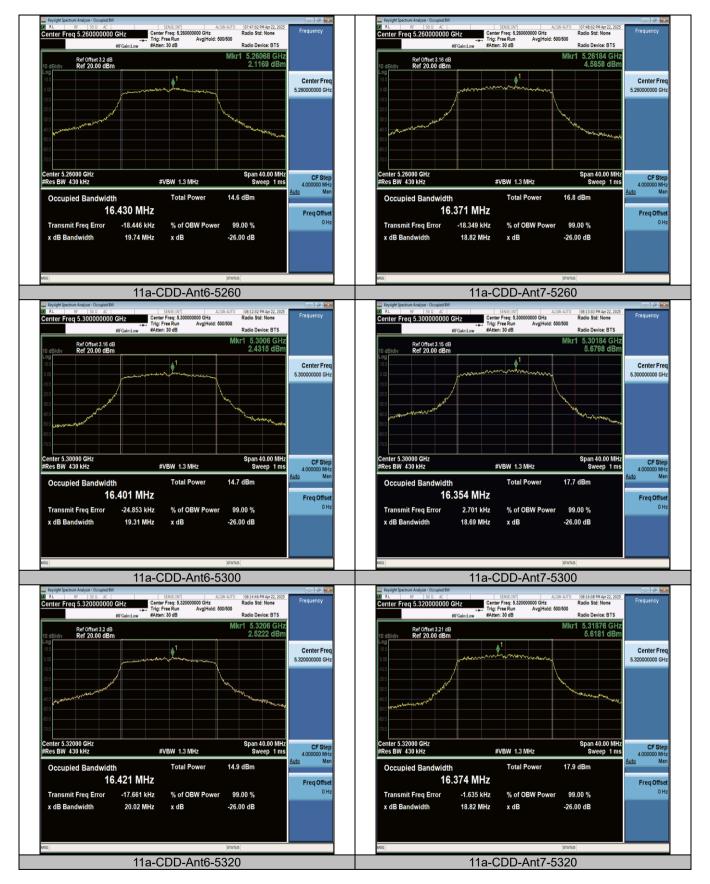


Test Graphs



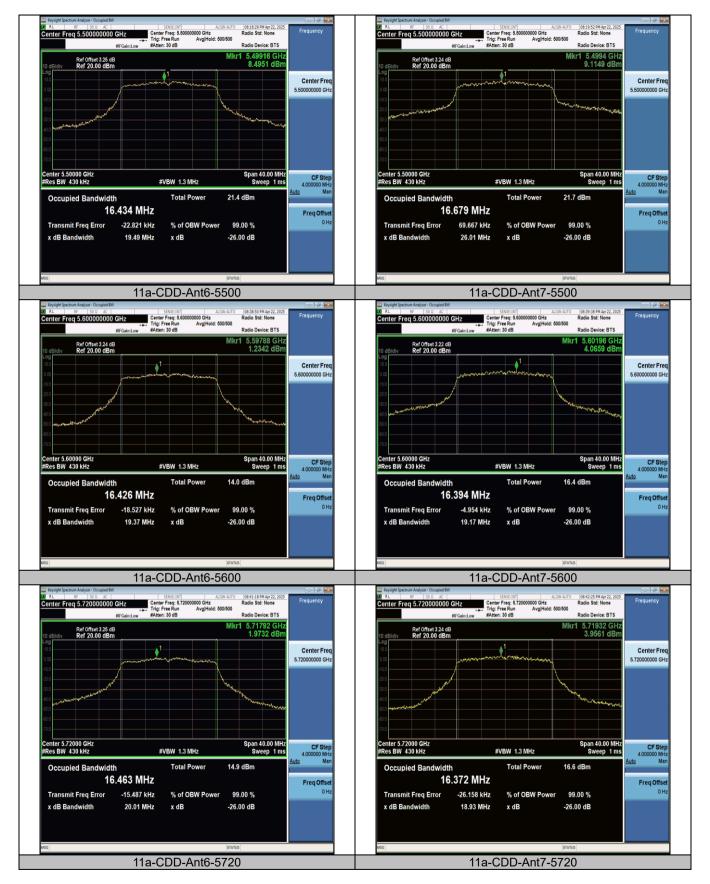






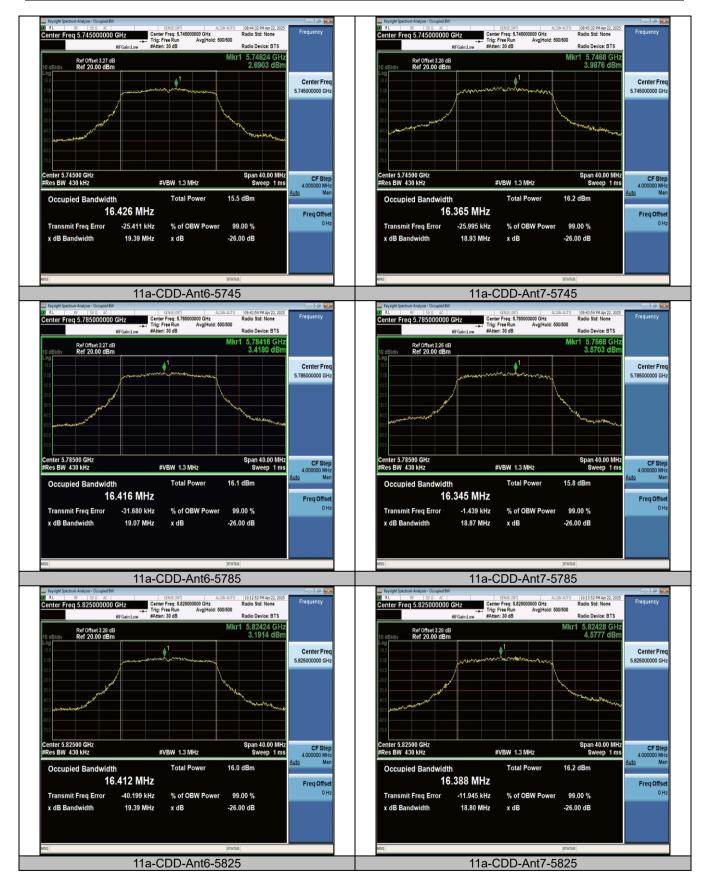






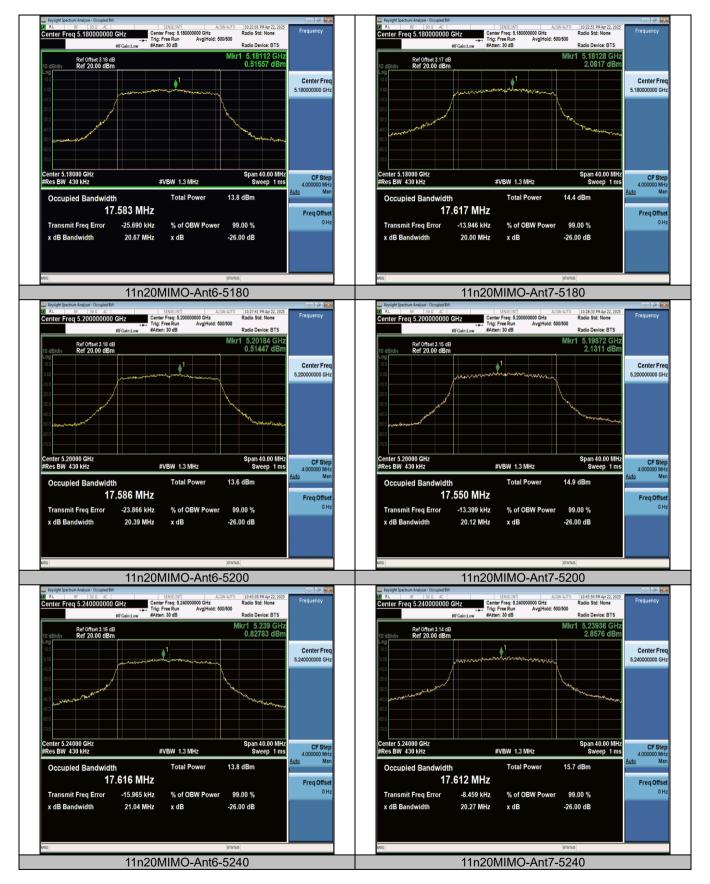






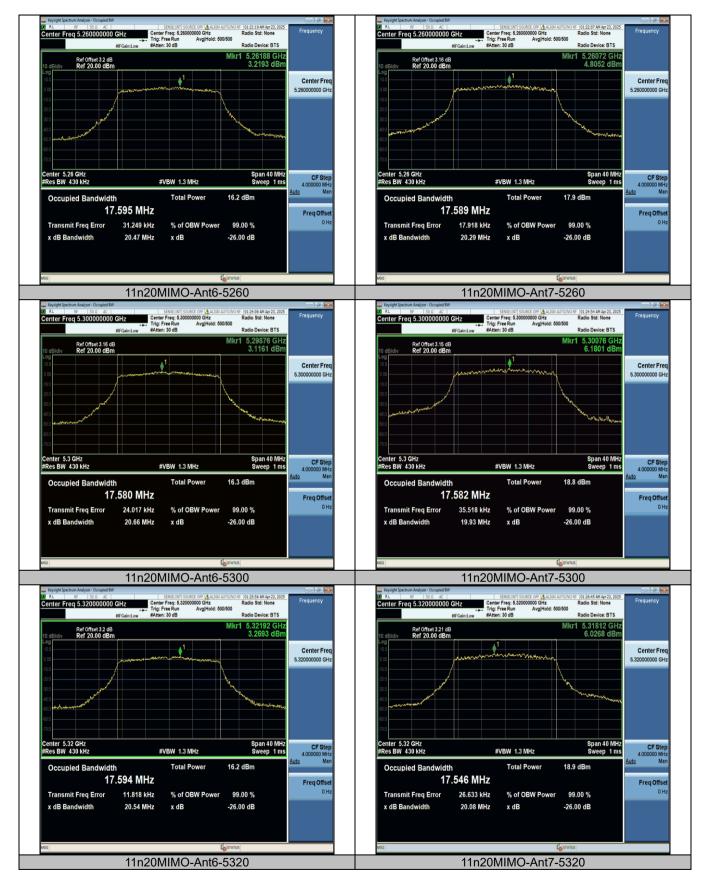






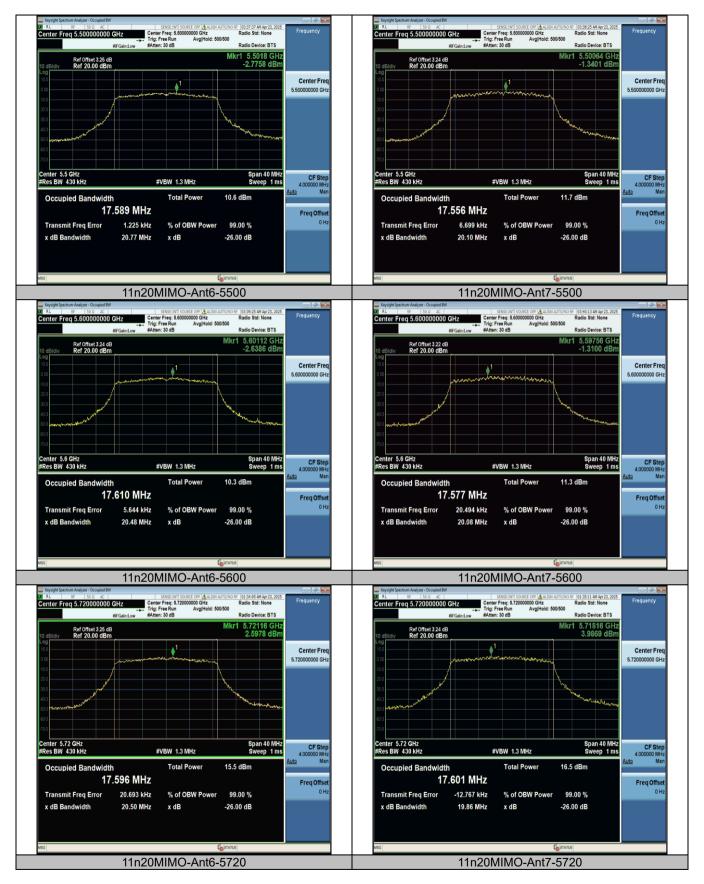






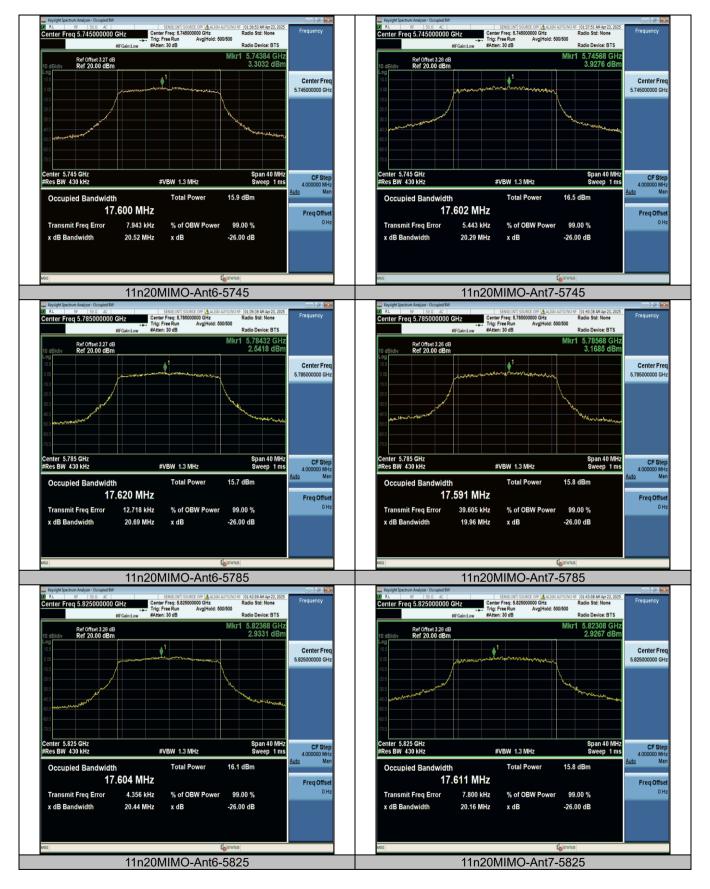














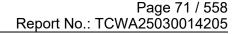




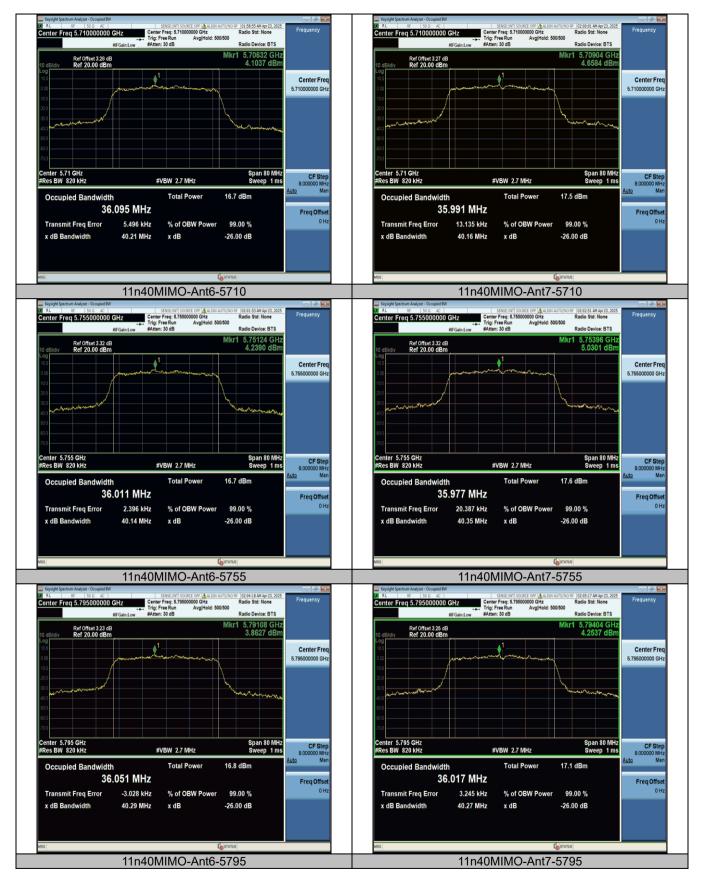












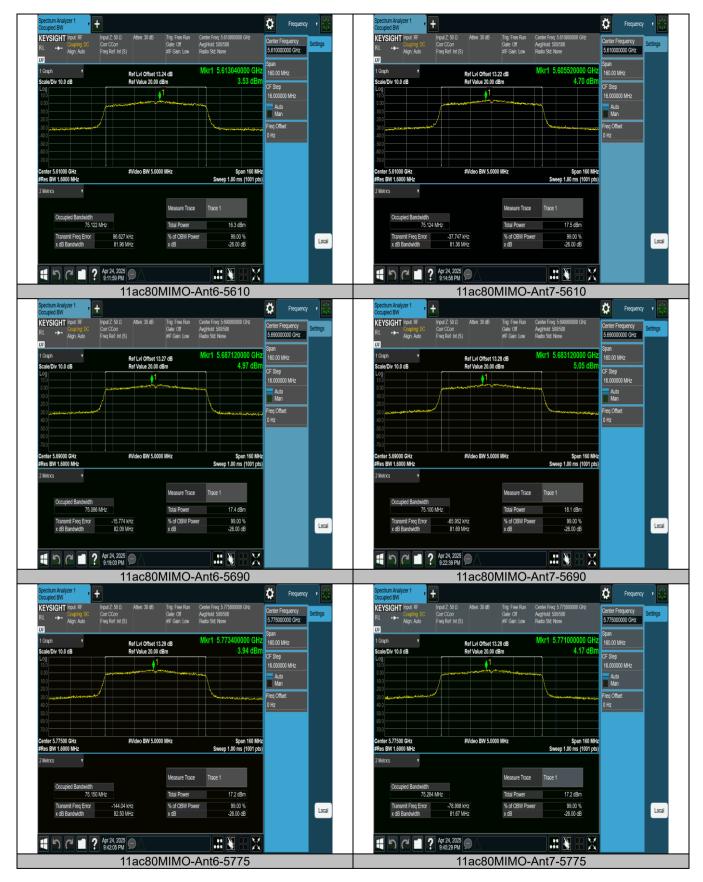






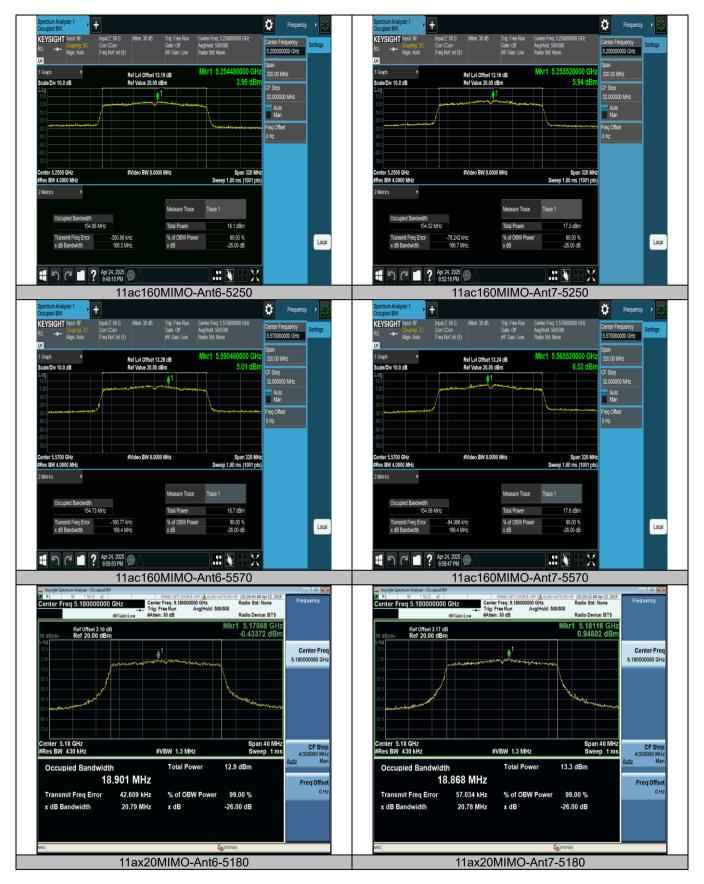






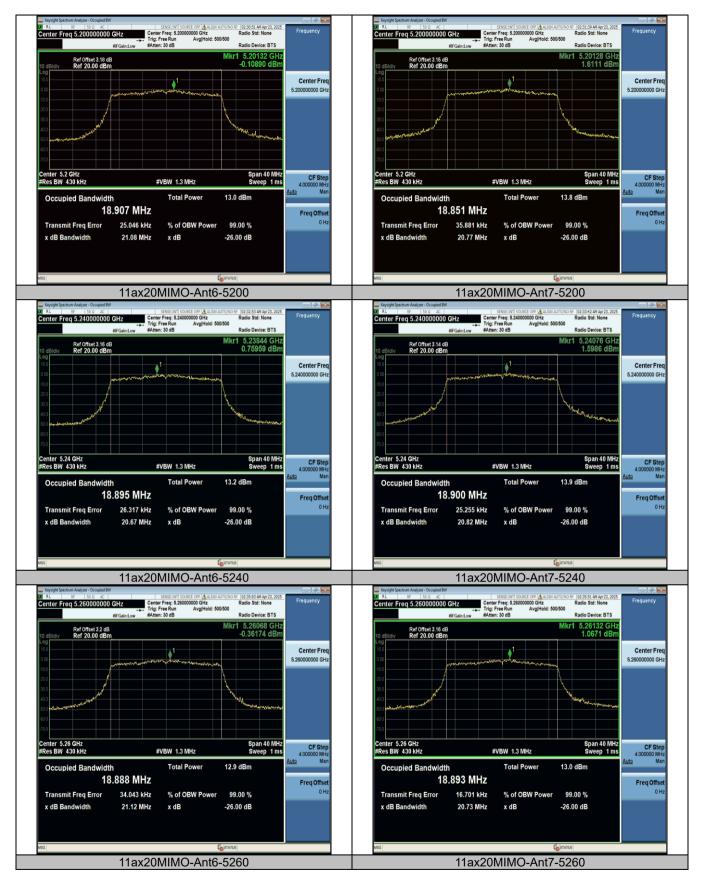






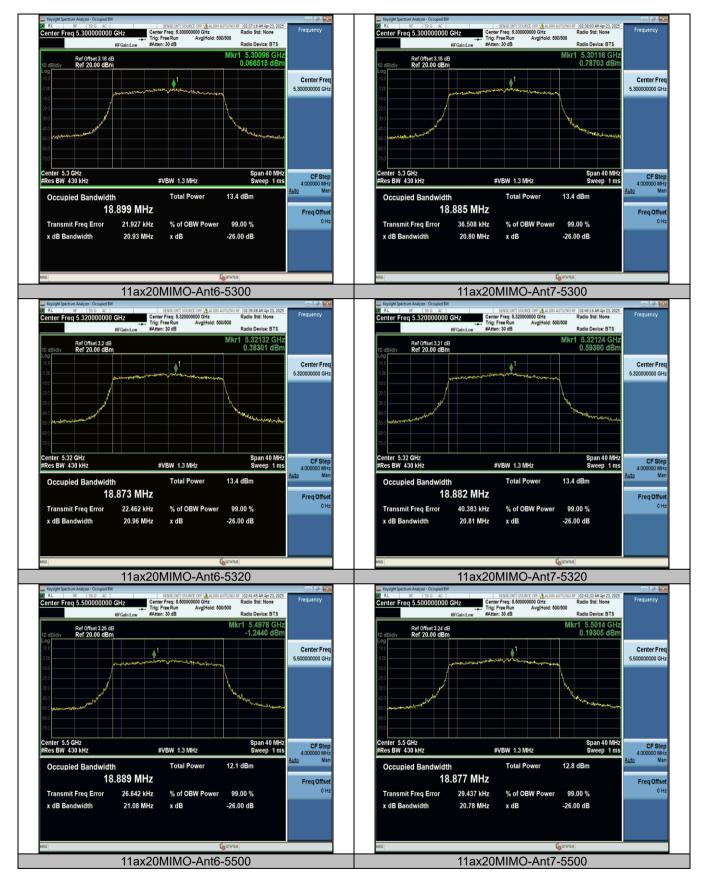






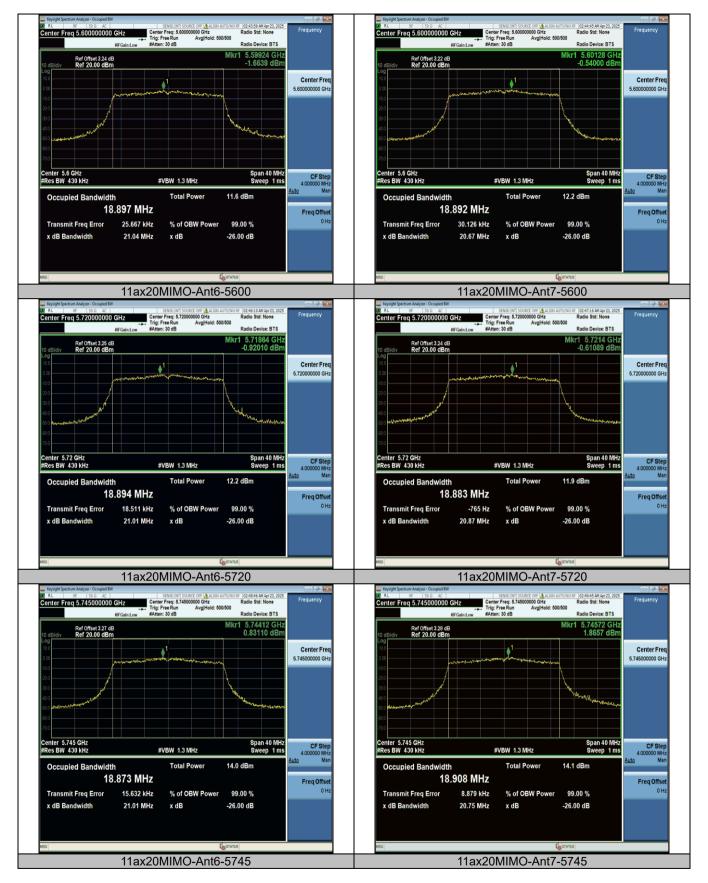






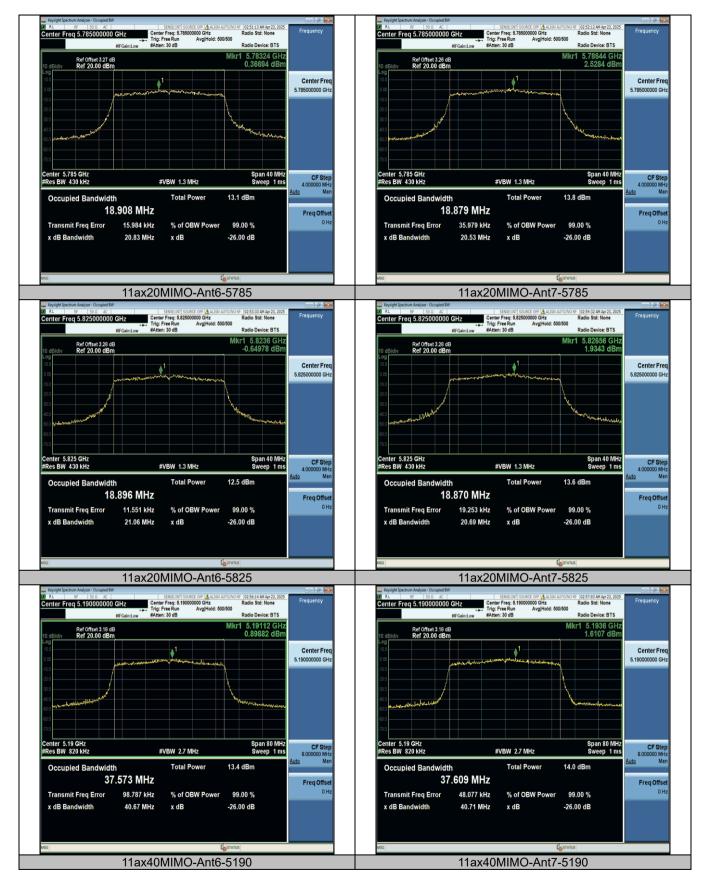






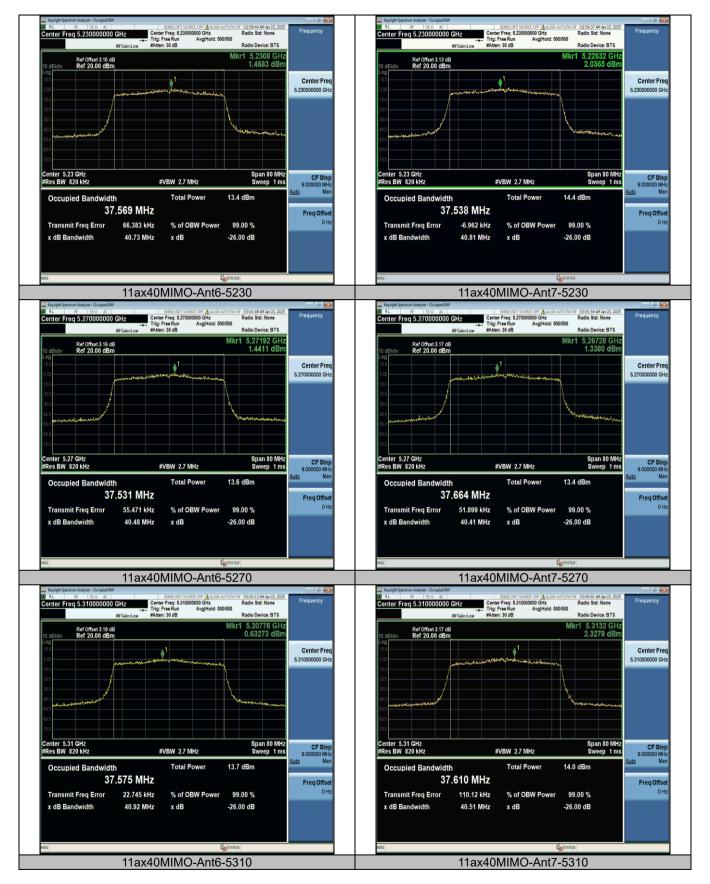






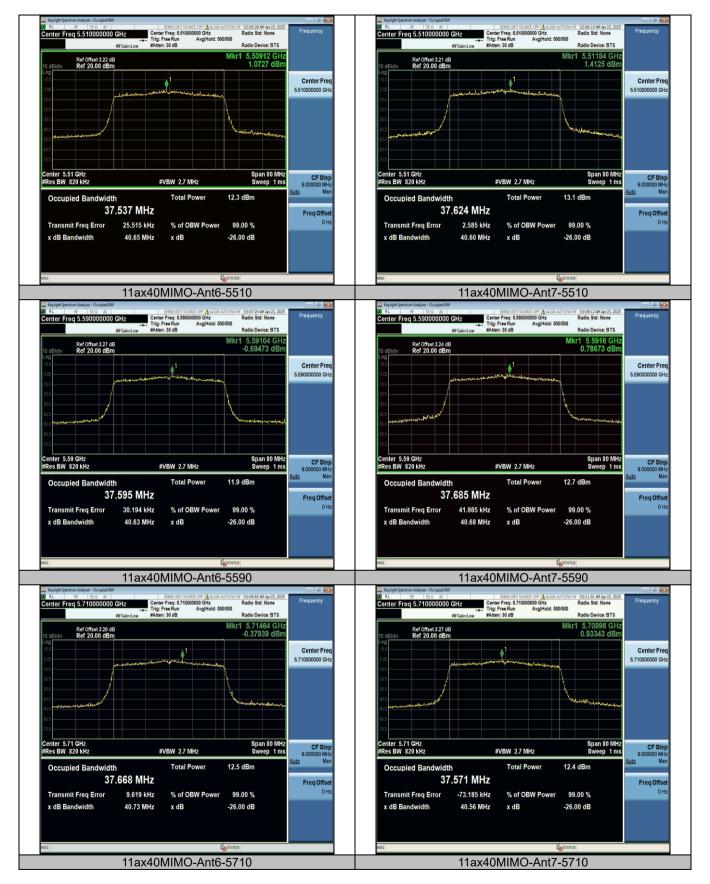














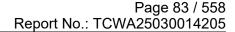










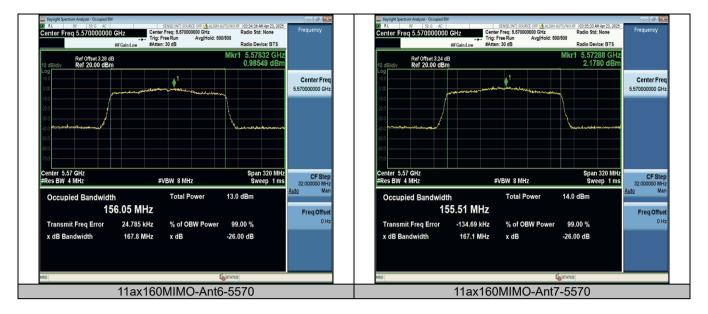














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Min emission bandwidth Test Result B4

			6dB EBW				
TestMode	Antenna	Frequency[MHz]	[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11a-CDD	Ant6	5720	15.000	5712.480	5727.480		
11a-CDD	Ant7	5720	15.080	5712.440	5727.520		
11a-CDD	Ant6	5720_UNII-2C	12.52	5712.480	5725		
11a-CDD	Ant7	5720_UNII-2C	12.56	5712.440	5725		 DA CC
11a-CDD	Ant6	5720_UNII-3	2.48	5725	5727.480	0.5	PASS
11a-CDD	Ant7	5720_UNII-3	2.52	5725	5727.520	0.5	PASS
11a-CDD	Ant6	5745	15.080	5737.440	5752.520	0.5	PASS
11a-CDD 11a-CDD	Ant7 Ant6	5745 5785	15.080 13.840	5737.440 5778.680	5752.520 5792.520	0.5 0.5	PASS PASS
11a-CDD	Ant7	5785	15.280	5777.440	5792.520	0.5	PASS
11a-CDD	Ant6	5825	13.800	5818.720	5832.520	0.5	PASS
11a-CDD	Ant7	5825	14.480	5818.080	5832.560	0.5	PASS
11n20MIMO	Ant6	5720	15.120	5712.440	5727.560		
11n20MIMO	Ant7	5720	15.120	5712.440	5727.560		
11n20MIMO	Ant6	5720 UNII-2C	12.56	5712.440	5727.300		
11n20MIMO	Ant7	5720_UNII-2C	12.56	5712.440	5725		
11n20MIMO	Ant6	5720_0NII-20	2.56	5725	5727.560	0.5	PASS
11n20MIMO	Ant7	5720_UNII-3	2.56	5725	5727.560	0.5	PASS
11n20MIMO	Ant6	5720_0NII-3 5745	15.080	5737.440	5752.520	0.5	PASS
11n20MIMO	Ant7	5745	15.080	5737.440	5752.520	0.5	PASS
11n20MIMO	Ant6	5785	15.120	5777.440	5792.560	0.5	PASS
11n20MIMO	Ant7	5785	13.840	5778.720	5792.560	0.5	PASS
11n20MIMO	Ant6	5825	15.120	5817.440	5832.560	0.5	PASS
11n20MIMO	Ant7	5825	13.880	5818.680	5832.560	0.5	PASS
11n40MIMO	Ant6	5710	35.120	5692.400	5727.520		
11n40MIMO	Ant7	5710	35.040	5692.480	5727.520		
11n40MIMO	Ant6	5710 UNII-2C	32.6	5692.400	5725		
11n40MIMO	Ant7	5710 UNII-2C	32.52	5692.480	5725		
11n40MIMO	Ant6	5710 UNII-3	2.52	5725	5727.520	0.5	PASS
11n40MIMO	Ant7	5710 UNII-3	2.52	5725	5727.520	0.5	PASS
11n40MIMO	Ant6	5755	34.400	5737.400	5771.800	0.5	PASS
11n40MIMO	Ant7	5755	35.040	5737.480	5772.520	0.5	PASS
11n40MIMO	Ant6	5795	35.120	5777.400	5812.520	0.5	PASS
11n40MIMO	Ant7	5795	35.040	5777.480	5812.520	0.5	PASS
11ac80MIMO	Ant6	5690	75.040	5652.400	5727.440		
11ac80MIMO	Ant7	5690	72.800	5654.800	5727.600		
11ac80MIMO	Ant6	5690_UNII-2C	72.6	5652.400	5725		
11ac80MIMO	Ant7	5690_UNII-2C	70.04	5654.960	5725		
11ac80MIMO	Ant6	5690_UNII-3	2.44	5725	5727.440	0.5	PASS
11ac80MIMO	Ant7	5690_UNII-3	-10.04	5725	5714.960	0.5	PASS
11ac80MIMO	Ant6	5775	72.64	5737.400	5810.04	0.5	PASS
11ac80MIMO	Ant7	5775	75.36	5737.240	5812.6	0.5	PASS
11ax20MIMO	Ant6	5720	16.360	5711.240	5727.600		
11ax20MIMO	Ant7	5720	15.320	5712.240	5727.560		
11ax20MIMO	Ant6	5720_UNII-2C	13.76	5711.240	5725		
11ax20MIMO	Ant7	5720_UNII-2C	12.76	5712.240	5725		
11ax20MIMO	Ant6	5720_UNII-3	2.6	5725	5727.600	0.5	PASS
11ax20MIMO	Ant7	5720_UNII-3	2.56	5725	5727.560	0.5	PASS
11ax20MIMO	Ant6	5745	16.280	5736.240	5752.520	0.5	PASS
11ax20MIMO	Ant7	5745	15.040	5737.480	5752.520	0.5	PASS
11ax20MIMO	Ant6	5785	16.320	5776.240	5792.560	0.5	PASS
11ax20MIMO	Ant7	5785	15.160	5777.440	5792.600	0.5	PASS
11ax20MIMO	Ant6	5825	16.280	5816.240	5832.520	0.5	PASS
11ax20MIMO	Ant7	5825	15.080	5817.440	5832.520	0.5	PASS
11ax40MIMO	Ant6	5710	33.920	5692.400	5726.320		
11ax40MIMO	Ant7	5710	33.840	5692.400	5726.240		
11ax40MIMO	Ant6	5710_UNII-2C	32.6	5692.400	5725		
11ax40MIMO	Ant7	5710_UNII-2C	32.6	5692.400	5725		 DACC
11ax40MIMO	Ant6	5710_UNII-3	1.32	5725	5726.320	0.5	PASS
11ax40MIMO	Ant7	5710_UNII-3	1.24	5725	5726.240	0.5	PASS
11ax40MIMO	Ant6	5755 5755	34.960	5737.480	5772.440	0.5 0.5	PASS
11ax40MIMO	Ant7	0/00	33.840	5737.480	5771.320	0.5	PASS

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11ax40MIMO	Ant6	5795	35.120	5777.400	5812.520	0.5	PASS
11ax40MIMO	Ant7	5795	33.840	5778.680	5812.520	0.5	PASS
11ax80MIMO	Ant6	5690	73.920	5652.400	5726.320		
11ax80MIMO	Ant7	5690	75.360	5652.240	5727.600		
11ax80MIMO	Ant6	5690_UNII-2C	72.6	5652.400	5725		
11ax80MIMO	Ant7	5690_UNII-2C	70.04	5654.960	5725		
11ax80MIMO	Ant6	5690_UNII-3	1.32	5725	5726.320	0.5	PASS
11ax80MIMO	Ant7	5690_UNII-3	-2.52	5725	5722.480	0.5	PASS
11ax80MIMO	Ant6	5775	73.760	5737.560	5811.320	0.5	PASS
11ax80MIMO	Ant7	5775	72.640	5737.400	5810.040	0.5	PASS