

6.5. 99% Occupied Bandwidth(conducted)

6.5.1 Measurement Limit

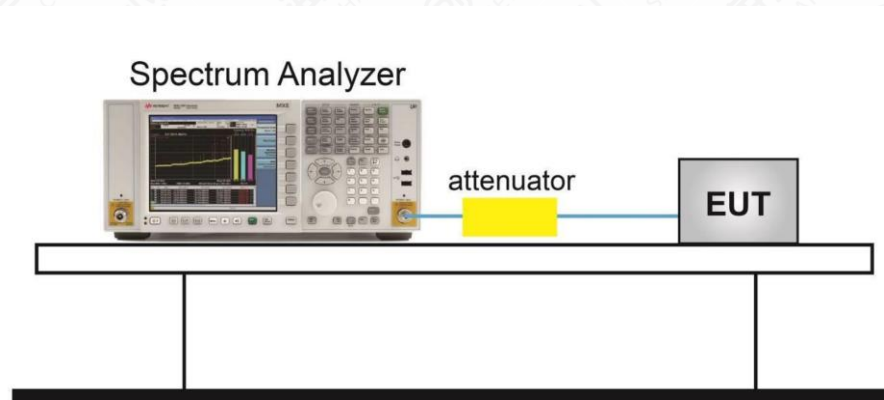
Standard	Limit(MHz)
15.407(a)	N/A

6.5.2 Test Procedure

The measurement method is made according to KDB 789033 D

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

6.5.3 Test Setup



6.5.4 Measurement Results

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.32	5171.4000	5188.7200	---	---
11A	Ant2	5180	17.36	5171.3200	5188.6800	---	---
11A	Ant1	5200	17.28	5191.3200	5208.6000	---	---
11A	Ant2	5200	17.4	5191.3600	5208.7600	---	---
11A	Ant1	5240	17.36	5231.4000	5248.7600	---	---

11A	Ant2	5240	17.36	5231.2800	5248.6400	---	---
11A	Ant1	5260	17.32	5251.3600	5268.6800	---	---
11A	Ant2	5260	17.4	5251.3200	5268.7200	---	---
11A	Ant1	5280	17.36	5271.2800	5288.6400	---	---
11A	Ant2	5280	17.32	5271.4000	5288.7200	---	---
11A	Ant1	5320	17.36	5311.4000	5328.7600	---	---
11A	Ant2	5320	17.36	5311.3200	5328.6800	---	---
11A	Ant1	5500	17.36	5491.2800	5508.6400	---	---
11A	Ant2	5500	17.32	5491.4000	5508.7200	---	---
11A	Ant1	5580	17.4	5571.2800	5588.6800	---	---
11A	Ant2	5580	17.28	5571.3600	5588.6400	---	---
11A	Ant1	5700	17.28	5691.3200	5708.6000	---	---
11A	Ant2	5700	17.36	5691.4000	5708.7600	---	---
11A-CDD	Ant1	5180	17.32	5171.4000	5188.7200	---	---
11A-CDD	Ant2	5180	17.16	5171.4000	5188.5600	---	---
11A-CDD	Ant1	5200	17.28	5191.3200	5208.6000	---	---
11A-CDD	Ant2	5200	17.12	5191.4000	5208.5200	---	---
11A-CDD	Ant1	5240	17.36	5231.3600	5248.7200	---	---
11A-CDD	Ant2	5240	17.2	5231.3600	5248.5600	---	---
11A-CDD	Ant1	5260	17.36	5251.3600	5268.7200	---	---
11A-CDD	Ant2	5260	17.08	5251.4400	5268.5200	---	---
11A-CDD	Ant1	5280	17.36	5271.2800	5288.6400	---	---
11A-CDD	Ant2	5280	17.04	5271.4400	5288.4800	---	---
11A-CDD	Ant1	5320	17.32	5311.4000	5328.7200	---	---
11A-CDD	Ant2	5320	17.04	5311.5200	5328.5600	---	---
11A-CDD	Ant1	5500	17.36	5491.2800	5508.6400	---	---
11A-CDD	Ant2	5500	17.08	5491.4400	5508.5200	---	---
11A-CDD	Ant1	5580	17.44	5571.2400	5588.6800	---	---
11A-CDD	Ant2	5580	17.08	5571.4000	5588.4800	---	---
11A-CDD	Ant1	5700	17.28	5691.3200	5708.6000	---	---
11A-CDD	Ant2	5700	17.08	5691.4400	5708.5200	---	---
11N20SISO	Ant1	5180	18.08	5171.0000	5189.0800	---	---
11N20SISO	Ant2	5180	18.12	5170.9200	5189.0400	---	---
11N20SISO	Ant1	5200	18.04	5190.9600	5209.0000	---	---
11N20SISO	Ant2	5200	18.16	5190.9600	5209.1200	---	---
11N20SISO	Ant1	5240	18.08	5231.0000	5249.0800	---	---
11N20SISO	Ant2	5240	18.08	5230.9200	5249.0000	---	---
11N20SISO	Ant1	5260	18.04	5251.0000	5269.0400	---	---
11N20SISO	Ant2	5260	18.12	5250.9600	5269.0800	---	---
11N20SISO	Ant1	5280	18.04	5270.9600	5289.0000	---	---
11N20SISO	Ant2	5280	18.04	5271.0400	5289.0800	---	---
11N20SISO	Ant1	5320	18.04	5311.0400	5329.0800	---	---

11N20SISO	Ant2	5320	18.04	5310.9600	5329.0000	---	---
11N20SISO	Ant1	5500	18.08	5490.9200	5509.0000	---	---
11N20SISO	Ant2	5500	18.04	5491.0400	5509.0800	---	---
11N20SISO	Ant1	5580	18.04	5570.9600	5589.0000	---	---
11N20SISO	Ant2	5580	18.04	5571.0000	5589.0400	---	---
11N20SISO	Ant1	5700	18.04	5690.9600	5709.0000	---	---
11N20SISO	Ant2	5700	18.08	5691.0400	5709.1200	---	---
11N20MIMO	Ant1	5180	18.08	5171.0000	5189.0800	---	---
11N20MIMO	Ant2	5180	17.96	5171.0000	5188.9600	---	---
11N20MIMO	Ant1	5200	18.04	5190.9200	5208.9600	---	---
11N20MIMO	Ant2	5200	18	5190.9600	5208.9600	---	---
11N20MIMO	Ant1	5240	18.08	5231.0000	5249.0800	---	---
11N20MIMO	Ant2	5240	18	5230.9600	5248.9600	---	---
11N20MIMO	Ant1	5260	18.04	5251.0000	5269.0400	---	---
11N20MIMO	Ant2	5260	17.92	5251.0400	5268.9600	---	---
11N20MIMO	Ant1	5280	18.04	5270.9200	5288.9600	---	---
11N20MIMO	Ant2	5280	17.84	5271.0800	5288.9200	---	---
11N20MIMO	Ant1	5320	18.04	5311.0000	5329.0400	---	---
11N20MIMO	Ant2	5320	17.84	5311.1200	5328.9600	---	---
11N20MIMO	Ant1	5500	18.08	5490.8800	5508.9600	---	---
11N20MIMO	Ant2	5500	17.88	5491.0400	5508.9200	---	---
11N20MIMO	Ant1	5580	18.08	5570.9200	5589.0000	---	---
11N20MIMO	Ant2	5580	17.88	5571.0400	5588.9200	---	---
11N20MIMO	Ant1	5700	18	5690.9200	5708.9200	---	---
11N20MIMO	Ant2	5700	17.88	5691.0400	5708.9200	---	---
11N40SISO	Ant1	5190	36.56	5171.7600	5208.3200	---	---
11N40SISO	Ant2	5190	36.96	5171.5200	5208.4800	---	---
11N40SISO	Ant1	5230	36.88	5211.5200	5248.4000	---	---
11N40SISO	Ant2	5230	36.56	5211.6800	5248.2400	---	---
11N40SISO	Ant1	5270	36.56	5251.6800	5288.2400	---	---
11N40SISO	Ant2	5270	36.8	5251.6800	5288.4800	---	---
11N40SISO	Ant1	5310	36.8	5291.6800	5328.4800	---	---
11N40SISO	Ant2	5310	36.72	5291.6000	5328.3200	---	---
11N40SISO	Ant1	5510	36.88	5491.5200	5528.4000	---	---
11N40SISO	Ant2	5510	36.48	5491.7600	5528.2400	---	---
11N40SISO	Ant1	5550	36.4	5531.8400	5568.2400	---	---
11N40SISO	Ant2	5550	36.96	5531.6000	5568.5600	---	---
11N40SISO	Ant1	5670	36.8	5651.7600	5688.5600	---	---
11N40SISO	Ant2	5670	36.72	5651.5200	5688.2400	---	---
11N40MIMO	Ant1	5190	36.56	5171.6800	5208.2400	---	---
11N40MIMO	Ant2	5190	36.8	5171.6000	5208.4000	---	---
11N40MIMO	Ant1	5230	36.88	5211.5200	5248.4000	---	---

11N40MIMO	Ant2	5230	36.88	5211.5200	5248.4000	---	---
11N40MIMO	Ant1	5270	36.56	5251.6000	5288.1600	---	---
11N40MIMO	Ant2	5270	36.56	5251.7600	5288.3200	---	---
11N40MIMO	Ant1	5310	36.8	5291.6800	5328.4800	---	---
11N40MIMO	Ant2	5310	36.8	5291.6800	5328.4800	---	---
11N40MIMO	Ant1	5510	36.88	5491.5200	5528.4000	---	---
11N40MIMO	Ant2	5510	36.64	5491.6800	5528.3200	---	---
11N40MIMO	Ant1	5550	36.48	5531.7600	5568.2400	---	---
11N40MIMO	Ant2	5550	36.72	5531.6800	5568.4000	---	---
11N40MIMO	Ant1	5670	36.88	5651.6000	5688.4800	---	---
11N40MIMO	Ant2	5670	36.72	5651.6000	5688.3200	---	---
11AC20SISO	Ant1	5180	18.08	5171.0400	5189.1200	---	---
11AC20SISO	Ant2	5180	18.08	5170.9600	5189.0400	---	---
11AC20SISO	Ant1	5200	18.04	5190.9600	5209.0000	---	---
11AC20SISO	Ant2	5200	18.12	5191.0000	5209.1200	---	---
11AC20SISO	Ant1	5240	18.04	5231.0400	5249.0800	---	---
11AC20SISO	Ant2	5240	18.08	5230.9200	5249.0000	---	---
11AC20SISO	Ant1	5260	18.08	5251.0000	5269.0800	---	---
11AC20SISO	Ant2	5260	18.12	5250.9600	5269.0800	---	---
11AC20SISO	Ant1	5280	18.04	5270.9600	5289.0000	---	---
11AC20SISO	Ant2	5280	18.04	5271.0400	5289.0800	---	---
11AC20SISO	Ant1	5320	18.08	5311.0400	5329.1200	---	---
11AC20SISO	Ant2	5320	18.04	5310.9600	5329.0000	---	---
11AC20SISO	Ant1	5500	18.12	5490.9200	5509.0400	---	---
11AC20SISO	Ant2	5500	18.04	5491.0400	5509.0800	---	---
11AC20SISO	Ant1	5580	18.08	5570.9200	5589.0000	---	---
11AC20SISO	Ant2	5580	18.04	5571.0000	5589.0400	---	---
11AC20SISO	Ant1	5700	18	5690.9600	5708.9600	---	---
11AC20SISO	Ant2	5700	18.04	5691.0400	5709.0800	---	---
11AC20MIMO	Ant1	5180	18.04	5171.0400	5189.0800	---	---
11AC20MIMO	Ant2	5180	17.92	5171.0400	5188.9600	---	---
11AC20MIMO	Ant1	5200	18.04	5190.9200	5208.9600	---	---
11AC20MIMO	Ant2	5200	17.96	5191.0000	5208.9600	---	---
11AC20MIMO	Ant1	5240	18.08	5231.0000	5249.0800	---	---
11AC20MIMO	Ant2	5240	17.96	5231.0000	5248.9600	---	---
11AC20MIMO	Ant1	5260	18.04	5251.0000	5269.0400	---	---
11AC20MIMO	Ant2	5260	17.92	5251.0400	5268.9600	---	---
11AC20MIMO	Ant1	5280	18.04	5270.9200	5288.9600	---	---
11AC20MIMO	Ant2	5280	17.88	5271.0400	5288.9200	---	---
11AC20MIMO	Ant1	5320	18.04	5311.0000	5329.0400	---	---
11AC20MIMO	Ant2	5320	17.84	5311.1200	5328.9600	---	---
11AC20MIMO	Ant1	5500	18.12	5490.8800	5509.0000	---	---

11AC20MIMO	Ant2	5500	17.88	5491.0400	5508.9200	---	---
11AC20MIMO	Ant1	5580	18.08	5570.9200	5589.0000	---	---
11AC20MIMO	Ant2	5580	17.88	5571.0400	5588.9200	---	---
11AC20MIMO	Ant1	5700	18.04	5690.9200	5708.9600	---	---
11AC20MIMO	Ant2	5700	17.88	5691.0400	5708.9200	---	---
11AC40SISO	Ant1	5190	36.4	5171.8400	5208.2400	---	---
11AC40SISO	Ant2	5190	36.8	5171.6000	5208.4000	---	---
11AC40SISO	Ant1	5230	36.88	5211.6000	5248.4800	---	---
11AC40SISO	Ant2	5230	36.56	5211.6800	5248.2400	---	---
11AC40SISO	Ant1	5270	36.56	5251.6800	5288.2400	---	---
11AC40SISO	Ant2	5270	36.8	5251.6800	5288.4800	---	---
11AC40SISO	Ant1	5310	36.72	5291.7600	5328.4800	---	---
11AC40SISO	Ant2	5310	36.72	5291.6000	5328.3200	---	---
11AC40SISO	Ant1	5510	36.88	5491.5200	5528.4000	---	---
11AC40SISO	Ant2	5510	36.48	5491.7600	5528.2400	---	---
11AC40SISO	Ant1	5550	36.4	5531.8400	5568.2400	---	---
11AC40SISO	Ant2	5550	36.88	5531.6800	5568.5600	---	---
11AC40SISO	Ant1	5670	36.64	5651.6800	5688.3200	---	---
11AC40SISO	Ant2	5670	36.72	5651.5200	5688.2400	---	---
11AC40MIMO	Ant1	5190	36.48	5171.8400	5208.3200	---	---
11AC40MIMO	Ant2	5190	36.8	5171.6000	5208.4000	---	---
11AC40MIMO	Ant1	5230	37.04	5211.5200	5248.5600	---	---
11AC40MIMO	Ant2	5230	36.8	5211.6000	5248.4000	---	---
11AC40MIMO	Ant1	5270	36.56	5251.6800	5288.2400	---	---
11AC40MIMO	Ant2	5270	36.56	5251.7600	5288.3200	---	---
11AC40MIMO	Ant1	5310	36.88	5291.6800	5328.5600	---	---
11AC40MIMO	Ant2	5310	36.8	5291.6800	5328.4800	---	---
11AC40MIMO	Ant1	5510	36.96	5491.5200	5528.4800	---	---
11AC40MIMO	Ant2	5510	36.72	5491.6800	5528.4000	---	---
11AC40MIMO	Ant1	5550	36.48	5531.8400	5568.3200	---	---
11AC40MIMO	Ant2	5550	36.72	5531.6800	5568.4000	---	---
11AC40MIMO	Ant1	5670	36.96	5651.6800	5688.6400	---	---
11AC40MIMO	Ant2	5670	36.72	5651.6000	5688.3200	---	---
11AC80SISO	Ant1	5210	76.96	5171.6000	5248.5600	---	---
11AC80SISO	Ant2	5210	76.64	5171.6000	5248.2400	---	---
11AC80SISO	Ant1	5290	77.12	5251.4400	5328.5600	---	---
11AC80SISO	Ant2	5290	76.48	5251.7600	5328.2400	---	---
11AC80SISO	Ant1	5530	76.96	5491.6000	5568.5600	---	---
11AC80SISO	Ant2	5530	76.96	5491.6000	5568.5600	---	---
11AC80SISO	Ant1	5610	76.96	5571.6000	5648.5600	---	---
11AC80SISO	Ant2	5610	77.28	5571.4400	5648.7200	---	---
11AC80MIMO	Ant1	5210	76.8	5171.6000	5248.4000	---	---

11AC80MIMO	Ant2	5210	76.96	5171.4400	5248.4000	---	---
11AC80MIMO	Ant1	5290	77.12	5251.4400	5328.5600	---	---
11AC80MIMO	Ant2	5290	77.12	5251.4400	5328.5600	---	---
11AC80MIMO	Ant1	5530	77.12	5491.4400	5568.5600	---	---
11AC80MIMO	Ant2	5530	77.12	5491.4400	5568.5600	---	---
11AC80MIMO	Ant1	5610	76.64	5571.7600	5648.4000	---	---
11AC80MIMO	Ant2	5610	77.12	5571.4400	5648.5600	---	---
11AX20SISO	Ant1	5180	18.92	5170.5600	5189.4800	---	---
11AX20SISO	Ant2	5180	18.96	5170.5200	5189.4800	---	---
11AX20SISO	Ant1	5200	18.88	5190.5600	5209.4400	---	---
11AX20SISO	Ant2	5200	18.96	5190.5600	5209.5200	---	---
11AX20SISO	Ant1	5240	18.92	5230.5600	5249.4800	---	---
11AX20SISO	Ant2	5240	18.92	5230.5200	5249.4400	---	---
11AX20SISO	Ant1	5260	18.96	5250.5200	5269.4800	---	---
11AX20SISO	Ant2	5260	18.96	5250.5600	5269.5200	---	---
11AX20SISO	Ant1	5280	18.92	5270.5600	5289.4800	---	---
11AX20SISO	Ant2	5280	18.92	5270.6000	5289.5200	---	---
11AX20SISO	Ant1	5320	18.88	5310.5600	5329.4400	---	---
11AX20SISO	Ant2	5320	18.88	5310.5600	5329.4400	---	---
11AX20SISO	Ant1	5500	18.92	5490.5600	5509.4800	---	---
11AX20SISO	Ant2	5500	18.88	5490.6000	5509.4800	---	---
11AX20SISO	Ant1	5580	18.92	5570.5600	5589.4800	---	---
11AX20SISO	Ant2	5580	18.92	5570.5600	5589.4800	---	---
11AX20SISO	Ant1	5700	18.92	5690.5200	5709.4400	---	---
11AX20SISO	Ant2	5700	18.92	5690.6000	5709.5200	---	---
11AX20MIMO	Ant1	5180	18.88	5170.6000	5189.4800	---	---
11AX20MIMO	Ant2	5180	18.92	5170.5600	5189.4800	---	---
11AX20MIMO	Ant1	5200	18.84	5190.5600	5209.4000	---	---
11AX20MIMO	Ant2	5200	18.92	5190.5600	5209.4800	---	---
11AX20MIMO	Ant1	5240	18.88	5230.6000	5249.4800	---	---
11AX20MIMO	Ant2	5240	18.96	5230.5200	5249.4800	---	---
11AX20MIMO	Ant1	5260	18.84	5250.6000	5269.4400	---	---
11AX20MIMO	Ant2	5260	18.88	5250.5600	5269.4400	---	---
11AX20MIMO	Ant1	5280	18.88	5270.5200	5289.4000	---	---
11AX20MIMO	Ant2	5280	18.88	5270.5600	5289.4400	---	---
11AX20MIMO	Ant1	5320	18.88	5310.5600	5329.4400	---	---
11AX20MIMO	Ant2	5320	18.88	5310.6000	5329.4800	---	---
11AX20MIMO	Ant1	5500	18.88	5490.5200	5509.4000	---	---
11AX20MIMO	Ant2	5500	18.92	5490.5200	5509.4400	---	---
11AX20MIMO	Ant1	5580	18.88	5570.5200	5589.4000	---	---
11AX20MIMO	Ant2	5580	18.92	5570.5200	5589.4400	---	---
11AX20MIMO	Ant1	5700	18.84	5690.5200	5709.3600	---	---

11AX20MIMO	Ant2	5700	18.88	5690.5600	5709.4400	---	---
11AX40SISO	Ant1	5190	37.76	5171.1200	5208.8800	---	---
11AX40SISO	Ant2	5190	38	5171.0400	5209.0400	---	---
11AX40SISO	Ant1	5230	37.92	5211.0400	5248.9600	---	---
11AX40SISO	Ant2	5230	37.76	5211.1200	5248.8800	---	---
11AX40SISO	Ant1	5270	37.84	5251.0400	5288.8800	---	---
11AX40SISO	Ant2	5270	37.92	5251.1200	5289.0400	---	---
11AX40SISO	Ant1	5310	37.84	5291.1200	5328.9600	---	---
11AX40SISO	Ant2	5310	37.84	5291.0400	5328.8800	---	---
11AX40SISO	Ant1	5510	38	5491.0400	5529.0400	---	---
11AX40SISO	Ant2	5510	37.76	5491.1200	5528.8800	---	---
11AX40SISO	Ant1	5550	37.84	5531.0400	5568.8800	---	---
11AX40SISO	Ant2	5550	38	5531.0400	5569.0400	---	---
11AX40SISO	Ant1	5670	37.84	5651.1200	5688.9600	---	---
11AX40SISO	Ant2	5670	37.92	5650.9600	5688.8800	---	---
11AX40MIMO	Ant1	5190	37.68	5171.2000	5208.8800	---	---
11AX40MIMO	Ant2	5190	37.92	5171.1200	5209.0400	---	---
11AX40MIMO	Ant1	5230	37.92	5211.0400	5248.9600	---	---
11AX40MIMO	Ant2	5230	37.92	5211.0400	5248.9600	---	---
11AX40MIMO	Ant1	5270	37.68	5251.1200	5288.8000	---	---
11AX40MIMO	Ant2	5270	37.92	5251.0400	5288.9600	---	---
11AX40MIMO	Ant1	5310	37.76	5291.2000	5328.9600	---	---
11AX40MIMO	Ant2	5310	38.08	5291.0400	5329.1200	---	---
11AX40MIMO	Ant1	5510	37.92	5490.9600	5528.8800	---	---
11AX40MIMO	Ant2	5510	37.92	5491.0400	5528.9600	---	---
11AX40MIMO	Ant1	5550	37.6	5531.2000	5568.8000	---	---
11AX40MIMO	Ant2	5550	37.92	5531.0400	5568.9600	---	---
11AX40MIMO	Ant1	5670	37.92	5651.1200	5689.0400	---	---
11AX40MIMO	Ant2	5670	37.92	5651.0400	5688.9600	---	---
11AX80SISO	Ant1	5210	78.4	5170.8000	5249.2000	---	---
11AX80SISO	Ant2	5210	78.08	5170.9600	5249.0400	---	---
11AX80SISO	Ant1	5290	78.4	5250.8000	5329.2000	---	---
11AX80SISO	Ant2	5290	78.08	5250.9600	5329.0400	---	---
11AX80SISO	Ant1	5530	78.4	5490.8000	5569.2000	---	---
11AX80SISO	Ant2	5530	78.4	5490.8000	5569.2000	---	---
11AX80SISO	Ant1	5610	78.24	5570.9600	5649.2000	---	---
11AX80SISO	Ant2	5610	78.72	5570.6400	5649.3600	---	---
11AX80MIMO	Ant1	5210	78.4	5170.8000	5249.2000	---	---
11AX80MIMO	Ant2	5210	78.24	5170.8000	5249.0400	---	---
11AX80MIMO	Ant1	5290	78.72	5250.6400	5329.3600	---	---
11AX80MIMO	Ant2	5290	78.56	5250.8000	5329.3600	---	---
11AX80MIMO	Ant1	5530	78.72	5490.6400	5569.3600	---	---

11AX80MIMO	Ant2	5530	78.56	5490.6400	5569.2000	---	---
11AX80MIMO	Ant1	5610	78.24	5570.9600	5649.2000	---	---
11AX80MIMO	Ant2	5610	78.4	5570.8000	5649.2000	---	---

Test Graphs

