













































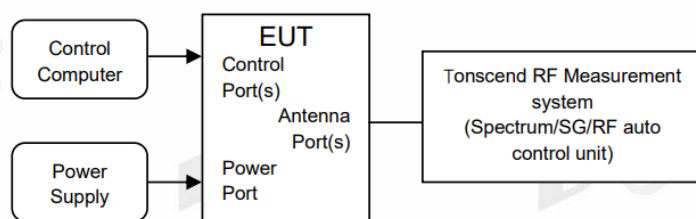






## 5. 99% Bandwidth

### 5.1. Block diagram of test setup



### 5.2. Limits

The occupied bandwidth of an RLAN device shall not exceed 320 MHz.

### 5.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

|                  |                                                |
|------------------|------------------------------------------------|
| Center Frequency | The center frequency of the channel under test |
| Detector         | Peak                                           |
| RBW              | 1% to 5% of the OBW                            |
| VBW              | approximately three times the RBW              |
| Trace            | Max hold                                       |

(2) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

## 5.4. Test result

| Test Mode  | Antenna | Frequency [MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|-----------------|-----------|-----------|-----------|------------|---------|
| 11AX20MIMO | Ant1    | 5955            | 18.933    | 5945.5335 | 5964.4668 | ≤320       | PASS    |
|            | Ant2    | 5955            | 18.905    | 5945.5471 | 5964.4524 | ≤320       | PASS    |
|            | Ant3    | 5955            | 18.93     | 5945.5424 | 5964.4728 | ≤320       | PASS    |
|            | Ant4    | 5955            | 18.93     | 5945.5227 | 5964.4526 | ≤320       | PASS    |
|            | Ant1    | 6175            | 18.936    | 6165.5109 | 6184.4473 | ≤320       | PASS    |
|            | Ant2    | 6175            | 18.941    | 6165.5147 | 6184.4561 | ≤320       | PASS    |
|            | Ant3    | 6175            | 18.932    | 6165.5169 | 6184.4485 | ≤320       | PASS    |
|            | Ant4    | 6175            | 18.942    | 6165.5143 | 6184.4566 | ≤320       | PASS    |
|            | Ant1    | 6415            | 18.943    | 6405.5028 | 6424.4455 | ≤320       | PASS    |
|            | Ant2    | 6415            | 18.932    | 6405.5133 | 6424.4452 | ≤320       | PASS    |
|            | Ant3    | 6415            | 18.933    | 6405.5181 | 6424.4514 | ≤320       | PASS    |
|            | Ant4    | 6415            | 18.951    | 6405.4968 | 6424.4483 | ≤320       | PASS    |
|            | Ant1    | 6435            | 18.944    | 6425.5098 | 6444.4543 | ≤320       | PASS    |
|            | Ant2    | 6435            | 18.926    | 6425.5209 | 6444.4470 | ≤320       | PASS    |
|            | Ant3    | 6435            | 18.961    | 6425.4983 | 6444.4592 | ≤320       | PASS    |
|            | Ant4    | 6435            | 18.932    | 6425.4911 | 6444.4229 | ≤320       | PASS    |
|            | Ant1    | 6475            | 18.954    | 6465.4973 | 6484.4514 | ≤320       | PASS    |
|            | Ant2    | 6475            | 18.926    | 6465.5217 | 6484.4478 | ≤320       | PASS    |
|            | Ant3    | 6475            | 18.963    | 6465.5142 | 6484.4773 | ≤320       | PASS    |
|            | Ant4    | 6475            | 18.931    | 6465.5024 | 6484.4329 | ≤320       | PASS    |
|            | Ant1    | 6515            | 18.924    | 6505.5185 | 6524.4421 | ≤320       | PASS    |
|            | Ant2    | 6515            | 18.918    | 6505.5198 | 6524.4376 | ≤320       | PASS    |
|            | Ant3    | 6515            | 18.926    | 6505.5136 | 6524.4398 | ≤320       | PASS    |
|            | Ant4    | 6515            | 18.928    | 6505.5402 | 6524.4677 | ≤320       | PASS    |
|            | Ant1    | 6535            | 18.94     | 6525.5148 | 6544.4552 | ≤320       | PASS    |
|            | Ant2    | 6535            | 18.91     | 6525.5256 | 6544.4351 | ≤320       | PASS    |
|            | Ant3    | 6535            | 18.908    | 6525.5349 | 6544.4433 | ≤320       | PASS    |
|            | Ant4    | 6535            | 18.945    | 6525.5012 | 6544.4457 | ≤320       | PASS    |
|            | Ant1    | 6695            | 18.983    | 6685.4882 | 6704.4708 | ≤320       | PASS    |
|            | Ant2    | 6695            | 18.932    | 6685.5331 | 6704.4653 | ≤320       | PASS    |
|            | Ant3    | 6695            | 18.943    | 6685.4955 | 6704.4388 | ≤320       | PASS    |
|            | Ant4    | 6695            | 18.976    | 6685.4805 | 6704.4567 | ≤320       | PASS    |
|            | Ant1    | 6855            | 18.938    | 6845.5259 | 6864.4635 | ≤320       | PASS    |
|            | Ant2    | 6855            | 18.956    | 6845.4889 | 6864.4452 | ≤320       | PASS    |
|            | Ant3    | 6855            | 18.945    | 6845.4941 | 6864.4389 | ≤320       | PASS    |
|            | Ant4    | 6855            | 18.939    | 6845.4951 | 6864.4339 | ≤320       | PASS    |
|            | Ant1    | 6875            | 18.936    | 6865.5066 | 6884.4422 | ≤320       | PASS    |
|            | Ant2    | 6875            | 18.949    | 6865.5045 | 6884.4534 | ≤320       | PASS    |
|            | Ant3    | 6875            | 18.96     | 6865.4972 | 6884.4568 | ≤320       | PASS    |
|            | Ant4    | 6875            | 18.931    | 6865.5359 | 6884.4665 | ≤320       | PASS    |
|            | Ant1    | 6895            | 18.932    | 6885.5074 | 6904.4391 | ≤320       | PASS    |
|            | Ant2    | 6895            | 18.934    | 6885.5267 | 6904.4610 | ≤320       | PASS    |
|            | Ant3    | 6895            | 18.893    | 6885.5416 | 6904.4345 | ≤320       | PASS    |
|            | Ant4    | 6895            | 18.934    | 6885.4949 | 6904.4292 | ≤320       | PASS    |
|            | Ant1    | 6995            | 18.926    | 6985.5257 | 7004.4516 | ≤320       | PASS    |
|            | Ant2    | 6995            | 18.944    | 6985.4990 | 7004.4433 | ≤320       | PASS    |
|            | Ant3    | 6995            | 18.928    | 6985.5115 | 7004.4392 | ≤320       | PASS    |
|            | Ant4    | 6995            | 18.98     | 6985.4756 | 7004.4561 | ≤320       | PASS    |
|            | Ant1    | 7115            | 19.071    | 7105.4414 | 7124.5120 | ≤320       | PASS    |
|            | Ant2    | 7115            | 19.098    | 7105.4332 | 7124.5307 | ≤320       | PASS    |
|            | Ant3    | 7115            | 19.071    | 7105.4469 | 7124.5184 | ≤320       | PASS    |
|            | Ant4    | 7115            | 19.071    | 7105.4487 | 7124.5197 | ≤320       | PASS    |
| 11AX40MIMO | Ant1    | 5965            | 37.839    | 5946.0748 | 5983.9135 | ≤320       | PASS    |
|            | Ant2    | 5965            | 37.802    | 5946.0805 | 5983.8822 | ≤320       | PASS    |
|            | Ant3    | 5965            | 37.747    | 5946.1123 | 5983.8596 | ≤320       | PASS    |
|            | Ant4    | 5965            | 37.704    | 5946.1366 | 5983.8404 | ≤320       | PASS    |
|            | Ant1    | 6165            | 37.918    | 6146.0601 | 6183.9784 | ≤320       | PASS    |
|            | Ant2    | 6165            | 37.869    | 6146.0619 | 6183.9314 | ≤320       | PASS    |
|            | Ant3    | 6165            | 38.06     | 6145.9998 | 6184.0599 | ≤320       | PASS    |
|            | Ant4    | 6165            | 38.009    | 6145.9874 | 6183.9965 | ≤320       | PASS    |

|            |      |      |        |           |           |      |      |
|------------|------|------|--------|-----------|-----------|------|------|
|            | Ant1 | 6405 | 37.945 | 6385.9924 | 6423.9375 | ≤320 | PASS |
|            | Ant2 | 6405 | 37.857 | 6386.0402 | 6423.8972 | ≤320 | PASS |
|            | Ant3 | 6405 | 38.04  | 6385.9596 | 6423.9999 | ≤320 | PASS |
|            | Ant4 | 6405 | 38.002 | 6385.9532 | 6423.9554 | ≤320 | PASS |
|            | Ant1 | 6445 | 37.946 | 6425.9714 | 6463.9173 | ≤320 | PASS |
|            | Ant2 | 6445 | 38.014 | 6425.9797 | 6463.9936 | ≤320 | PASS |
|            | Ant3 | 6445 | 38.034 | 6425.9441 | 6463.9780 | ≤320 | PASS |
|            | Ant4 | 6445 | 38.013 | 6425.9844 | 6463.9976 | ≤320 | PASS |
|            | Ant1 | 6485 | 38.015 | 6465.9650 | 6503.9795 | ≤320 | PASS |
|            | Ant2 | 6485 | 37.839 | 6466.0609 | 6503.8995 | ≤320 | PASS |
|            | Ant3 | 6485 | 37.804 | 6466.1157 | 6503.9198 | ≤320 | PASS |
|            | Ant4 | 6485 | 37.875 | 6466.0866 | 6503.9612 | ≤320 | PASS |
|            | Ant1 | 6525 | 37.93  | 6506.0276 | 6543.9578 | ≤320 | PASS |
|            | Ant2 | 6525 | 37.977 | 6505.9667 | 6543.9434 | ≤320 | PASS |
|            | Ant3 | 6525 | 38.066 | 6505.9548 | 6544.0212 | ≤320 | PASS |
|            | Ant4 | 6525 | 38.008 | 6506.0068 | 6544.0150 | ≤320 | PASS |
|            | Ant1 | 6565 | 37.936 | 6546.0583 | 6583.9940 | ≤320 | PASS |
|            | Ant2 | 6565 | 37.933 | 6546.0178 | 6583.9509 | ≤320 | PASS |
|            | Ant3 | 6565 | 37.792 | 6546.0750 | 6583.8672 | ≤320 | PASS |
|            | Ant4 | 6565 | 37.862 | 6546.0623 | 6583.9242 | ≤320 | PASS |
|            | Ant1 | 6685 | 37.98  | 6665.9542 | 6703.9340 | ≤320 | PASS |
|            | Ant2 | 6685 | 37.935 | 6666.0308 | 6703.9661 | ≤320 | PASS |
|            | Ant3 | 6685 | 37.78  | 6666.0774 | 6703.8575 | ≤320 | PASS |
|            | Ant4 | 6685 | 37.836 | 6666.0433 | 6703.8795 | ≤320 | PASS |
|            | Ant1 | 6845 | 37.97  | 6825.9865 | 6863.9568 | ≤320 | PASS |
|            | Ant2 | 6845 | 37.885 | 6826.0194 | 6863.9046 | ≤320 | PASS |
|            | Ant3 | 6845 | 38.022 | 6825.9580 | 6863.9801 | ≤320 | PASS |
|            | Ant4 | 6845 | 38.052 | 6825.9934 | 6864.0455 | ≤320 | PASS |
|            | Ant1 | 6885 | 38.044 | 6865.9715 | 6904.0159 | ≤320 | PASS |
|            | Ant2 | 6885 | 38.013 | 6865.9478 | 6903.9604 | ≤320 | PASS |
|            | Ant3 | 6885 | 37.848 | 6866.0533 | 6903.9010 | ≤320 | PASS |
|            | Ant4 | 6885 | 37.772 | 6866.0945 | 6903.8664 | ≤320 | PASS |
|            | Ant1 | 6925 | 37.994 | 6905.9951 | 6943.9894 | ≤320 | PASS |
|            | Ant2 | 6925 | 38.025 | 6905.9987 | 6944.0241 | ≤320 | PASS |
|            | Ant3 | 6925 | 37.796 | 6906.0965 | 6943.8925 | ≤320 | PASS |
|            | Ant4 | 6925 | 37.837 | 6906.0549 | 6943.8918 | ≤320 | PASS |
|            | Ant1 | 6965 | 37.966 | 6946.0231 | 6983.9889 | ≤320 | PASS |
|            | Ant2 | 6965 | 37.867 | 6946.0120 | 6983.8791 | ≤320 | PASS |
|            | Ant3 | 6965 | 37.759 | 6946.1131 | 6983.8725 | ≤320 | PASS |
|            | Ant4 | 6965 | 37.862 | 6946.0773 | 6983.9395 | ≤320 | PASS |
|            | Ant1 | 7085 | 37.985 | 7065.9890 | 7103.9742 | ≤320 | PASS |
|            | Ant2 | 7085 | 38.023 | 7065.9400 | 7103.9633 | ≤320 | PASS |
|            | Ant3 | 7085 | 37.78  | 7066.1126 | 7103.8922 | ≤320 | PASS |
|            | Ant4 | 7085 | 37.826 | 7066.0792 | 7103.9048 | ≤320 | PASS |
| 11AX80MIMO | Ant1 | 5985 | 77.812 | 5946.1097 | 6023.9212 | ≤320 | PASS |
|            | Ant2 | 5985 | 77.963 | 5946.0220 | 6023.9853 | ≤320 | PASS |
|            | Ant3 | 5985 | 77.544 | 5946.2243 | 6023.7686 | ≤320 | PASS |
|            | Ant4 | 5985 | 77.813 | 5946.1032 | 6023.9166 | ≤320 | PASS |
|            | Ant1 | 6145 | 77.911 | 6106.0051 | 6183.9157 | ≤320 | PASS |
|            | Ant2 | 6145 | 77.946 | 6105.9559 | 6183.9015 | ≤320 | PASS |
|            | Ant3 | 6145 | 77.686 | 6106.0224 | 6183.7084 | ≤320 | PASS |
|            | Ant4 | 6145 | 77.681 | 6106.1482 | 6183.8288 | ≤320 | PASS |
|            | Ant1 | 6385 | 77.798 | 6346.0831 | 6423.8807 | ≤320 | PASS |
|            | Ant2 | 6385 | 77.751 | 6346.1637 | 6423.9147 | ≤320 | PASS |
|            | Ant3 | 6385 | 77.807 | 6346.1177 | 6423.9247 | ≤320 | PASS |
|            | Ant4 | 6385 | 77.785 | 6346.1087 | 6423.8942 | ≤320 | PASS |
|            | Ant1 | 6465 | 77.934 | 6425.8545 | 6503.7888 | ≤320 | PASS |
|            | Ant2 | 6465 | 77.874 | 6426.0677 | 6503.9413 | ≤320 | PASS |
|            | Ant3 | 6465 | 77.969 | 6425.9378 | 6503.9067 | ≤320 | PASS |
|            | Ant4 | 6465 | 77.986 | 6425.9577 | 6503.9439 | ≤320 | PASS |
|            | Ant1 | 6545 | 77.848 | 6506.0566 | 6583.9043 | ≤320 | PASS |
|            | Ant2 | 6545 | 77.898 | 6505.9952 | 6583.8937 | ≤320 | PASS |
|            | Ant3 | 6545 | 77.935 | 6506.0002 | 6583.9354 | ≤320 | PASS |
|            | Ant4 | 6545 | 77.769 | 6506.1187 | 6583.8879 | ≤320 | PASS |