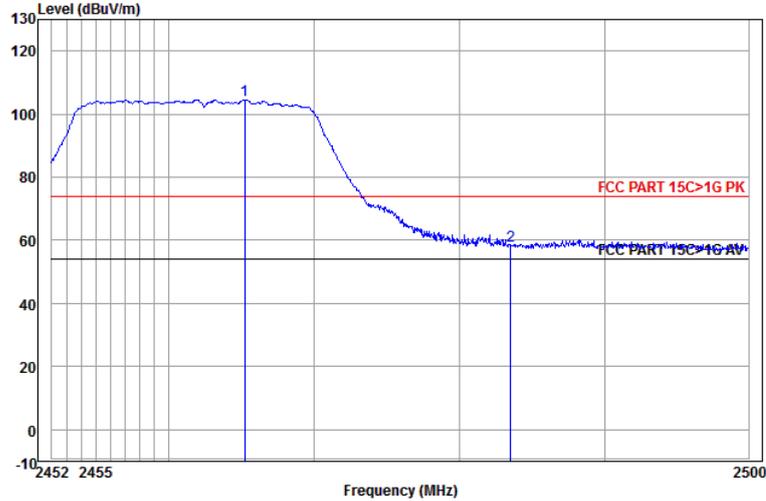
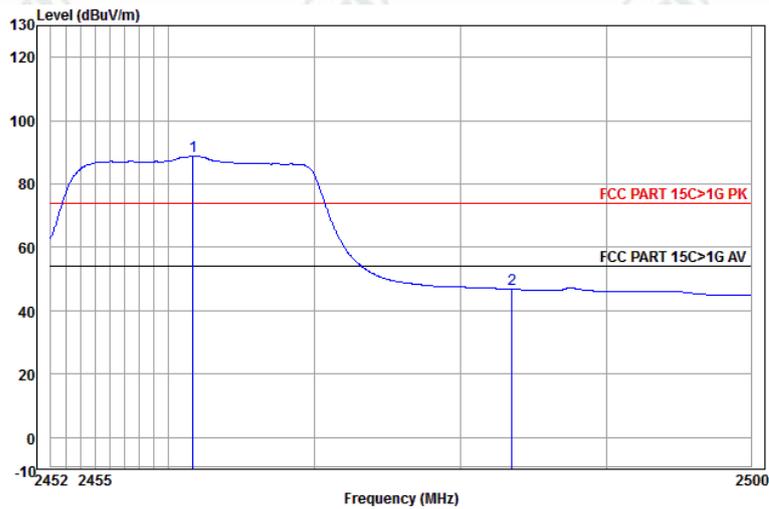


| | | | |
|----------------------|-----------------------|--------------------------|--------------|
| Worse case mode: | 802.11g (6Mbps) | | |
| Frequency: 2483.5MHz | Test channel: Highest | Polarization: Horizontal | Remark: Peak |



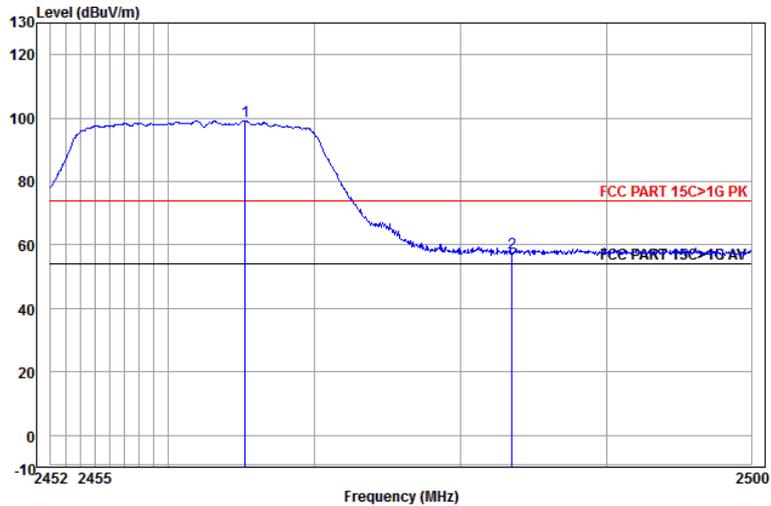
| | Ant Freq | Cable Factor | Loss | Read Level | Level | Limit | Over | Pol/Phase | Remark |
|---|-------------|--------------|------|------------|--------|--------|--------|------------|--------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 | pp 2465.203 | 32.68 | 3.11 | 68.70 | 104.49 | 74.00 | 30.49 | Horizontal | |
| 2 | 2483.500 | 32.71 | 3.12 | 22.36 | 58.19 | 74.00 | -15.81 | Horizontal | |

| | | | |
|----------------------|-----------------------|--------------------------|-----------------|
| Worse case mode: | 802.11g (6Mbps) | | |
| Frequency: 2483.5MHz | Test channel: Highest | Polarization: Horizontal | Remark: Average |



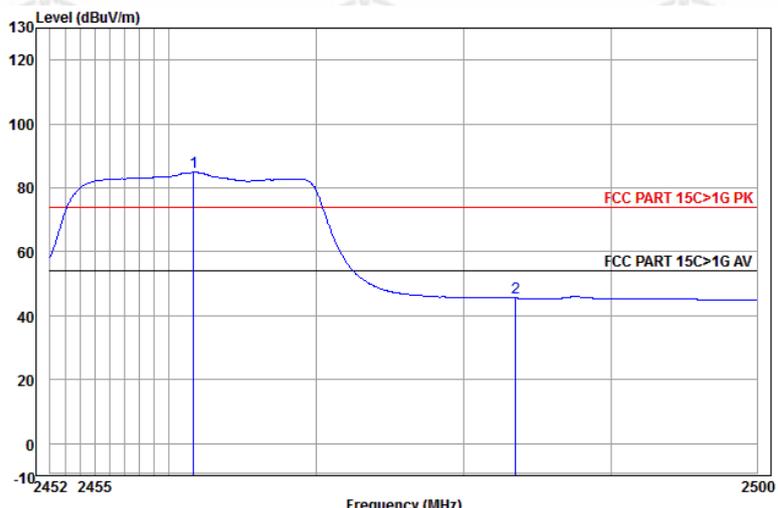
| | Ant Freq | Cable Factor | Loss | Read Level | Level | Limit | Over | Pol/Phase | Remark |
|---|-------------|--------------|------|------------|--------|--------|-------|------------|---------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 | pp 2461.669 | 32.67 | 3.11 | 53.12 | 88.90 | 54.00 | 34.90 | Horizontal | Average |
| 2 | 2483.500 | 32.71 | 3.12 | 10.96 | 46.79 | 54.00 | -7.21 | Horizontal | Average |

| | | | |
|----------------------|-----------------------|------------------------|--------------|
| Worse case mode: | 802.11g (6Mbps) | | |
| Frequency: 2483.5MHz | Test channel: Highest | Polarization: Vertical | Remark: Peak |



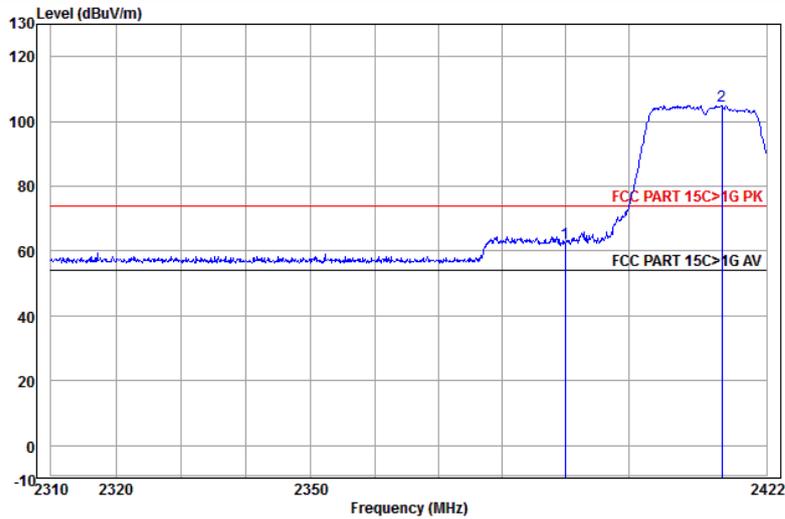
| | Ant Freq | Cable Factor | Loss | Read Level | Level | Limit | Over | Pol/Phase | Remark |
|------|----------|--------------|------|------------|--------|--------|--------|-----------|--------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 pp | 2465.251 | 32.68 | 3.11 | 63.29 | 99.08 | 74.00 | 25.08 | Vertical | |
| 2 | 2483.500 | 32.71 | 3.12 | 21.56 | 57.39 | 74.00 | -16.61 | Vertical | |

| | | | |
|----------------------|-----------------------|------------------------|-----------------|
| Worse case mode: | 802.11g (6Mbps) | | |
| Frequency: 2483.5MHz | Test channel: Highest | Polarization: Vertical | Remark: Average |



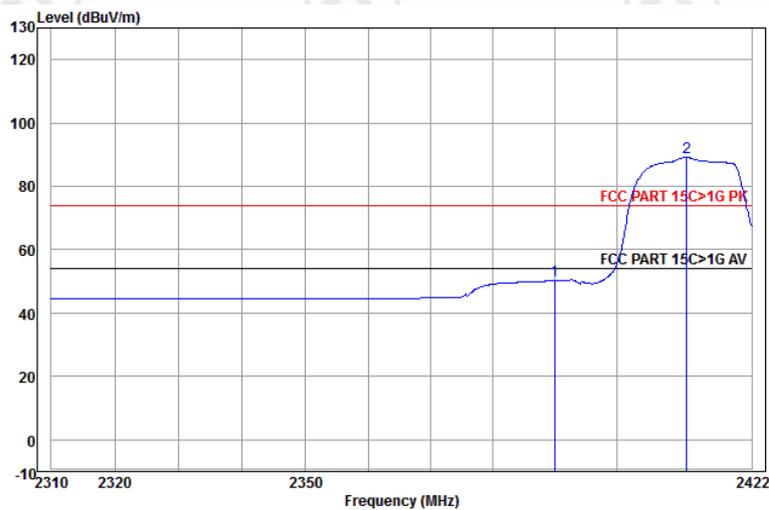
| | Ant Freq | Cable Factor | Loss | Read Level | Level | Limit | Over | Pol/Phase | Remark |
|------|----------|--------------|------|------------|--------|--------|-------|-----------|---------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 pp | 2461.669 | 32.67 | 3.11 | 49.16 | 84.94 | 54.00 | 30.94 | Vertical | Average |
| 2 | 2483.500 | 32.71 | 3.12 | 9.69 | 45.52 | 54.00 | -8.48 | Vertical | Average |

| | | | |
|----------------------|-------------------------|--------------------------|--------------|
| Worse case mode: | 802.11n(HT20) (6.5Mbps) | | |
| Frequency: 2390.0MHz | Test channel: Lowest | Polarization: Horizontal | Remark: Peak |



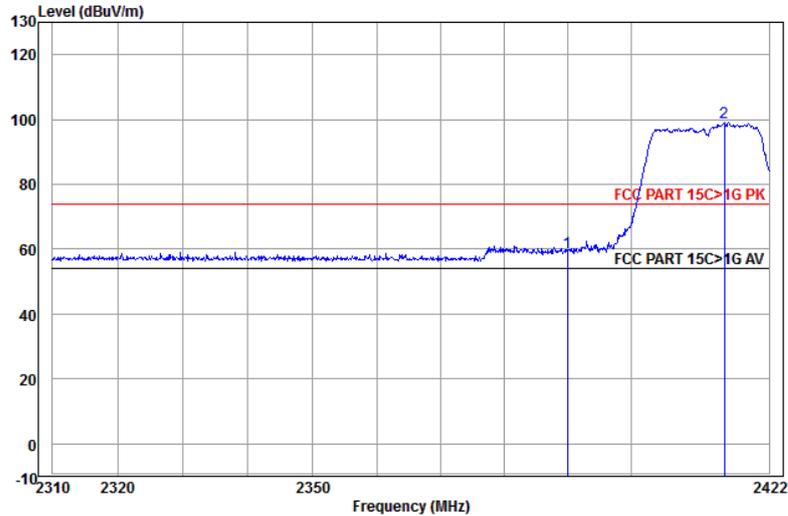
| | Ant Freq | Cable Factor | Cable Loss | Read Level | Level | Limit Line | Over Limit | Pol/Phase | Remark |
|------|----------|--------------|------------|------------|--------|------------|------------|------------|--------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 | 2390.000 | 32.53 | 3.07 | 26.89 | 62.49 | 74.00 | -11.51 | Horizontal | |
| 2 pp | 2414.901 | 32.58 | 3.08 | 69.34 | 105.00 | 74.00 | 31.00 | Horizontal | |

| | | | |
|----------------------|-------------------------|--------------------------|-----------------|
| Worse case mode: | 802.11n(HT20) (6.5Mbps) | | |
| Frequency: 2390.0MHz | Test channel: Lowest | Polarization: Horizontal | Remark: Average |



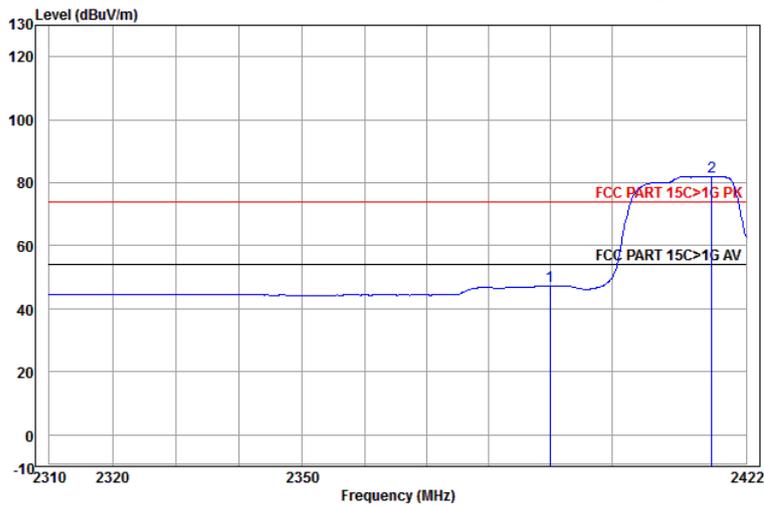
| | Ant Freq | Cable Factor | Cable Loss | Read Level | Level | Limit Line | Over Limit | Pol/Phase | Remark |
|------|----------|--------------|------------|------------|--------|------------|------------|------------|---------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 | 2390.000 | 32.53 | 3.07 | 14.62 | 50.22 | 54.00 | -3.78 | Horizontal | Average |
| 2 pp | 2411.359 | 32.58 | 3.08 | 53.57 | 89.23 | 54.00 | 35.23 | Horizontal | Average |

| | | | |
|----------------------|-------------------------|------------------------|--------------|
| Worse case mode: | 802.11n(HT20) (6.5Mbps) | | |
| Frequency: 2390.0MHz | Test channel: Lowest | Polarization: Vertical | Remark: Peak |



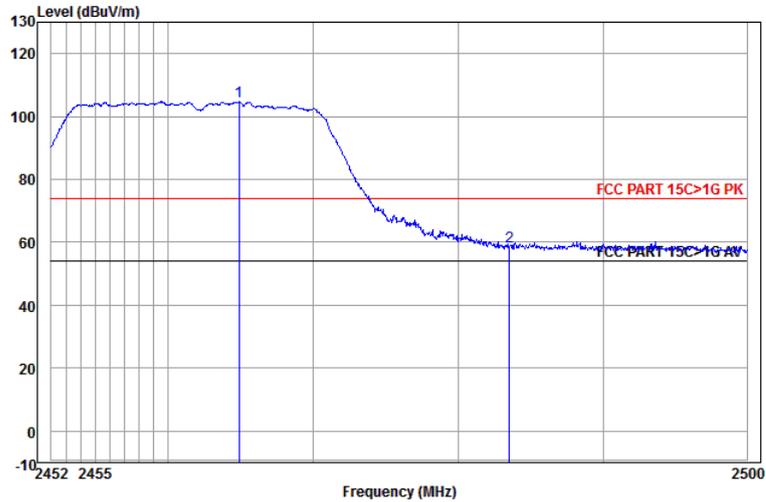
| | Ant Freq | Cable Factor | Cable Loss | Read Level | Level | Limit | Over | Pol/Phase | Remark |
|------|----------|--------------|------------|------------|--------|--------|--------|-----------|--------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 | 2390.000 | 32.53 | 3.07 | 23.62 | 59.22 | 74.00 | -14.78 | Vertical | |
| 2 pp | 2414.901 | 32.58 | 3.08 | 63.39 | 99.05 | 74.00 | 25.05 | Vertical | |

| | | | |
|----------------------|-------------------------|------------------------|-----------------|
| Worse case mode: | 802.11n(HT20) (6.5Mbps) | | |
| Frequency: 2390.0MHz | Test channel: Lowest | Polarization: Vertical | Remark: Average |



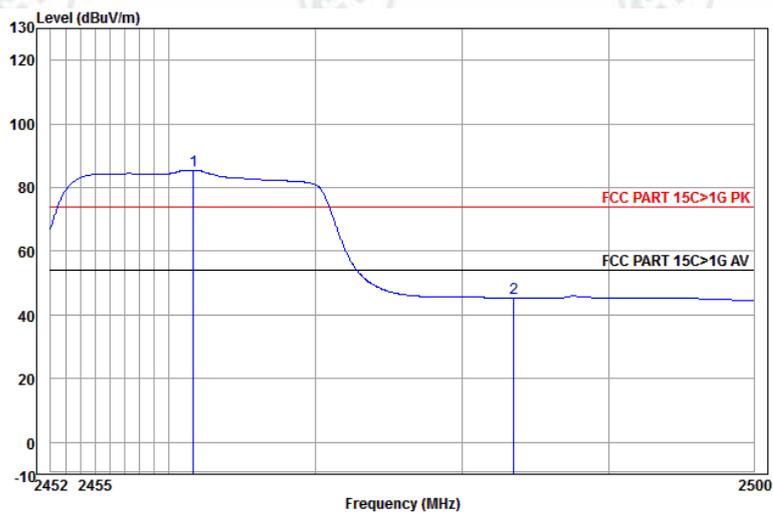
| | Ant Freq | Cable Factor | Cable Loss | Read Level | Level | Limit | Over | Pol/Phase | Remark |
|------|----------|--------------|------------|------------|--------|--------|-------|-----------|---------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 | 2390.000 | 32.53 | 3.07 | 11.55 | 47.15 | 54.00 | -6.85 | Vertical | Average |
| 2 pp | 2416.387 | 32.59 | 3.08 | 46.42 | 82.09 | 54.00 | 28.09 | Vertical | Average |

| | | | |
|----------------------|-------------------------|--------------------------|--------------|
| Worse case mode: | 802.11n(HT20) (6.5Mbps) | | |
| Frequency: 2483.5MHz | Test channel: Highest | Polarization: Horizontal | Remark: Peak |



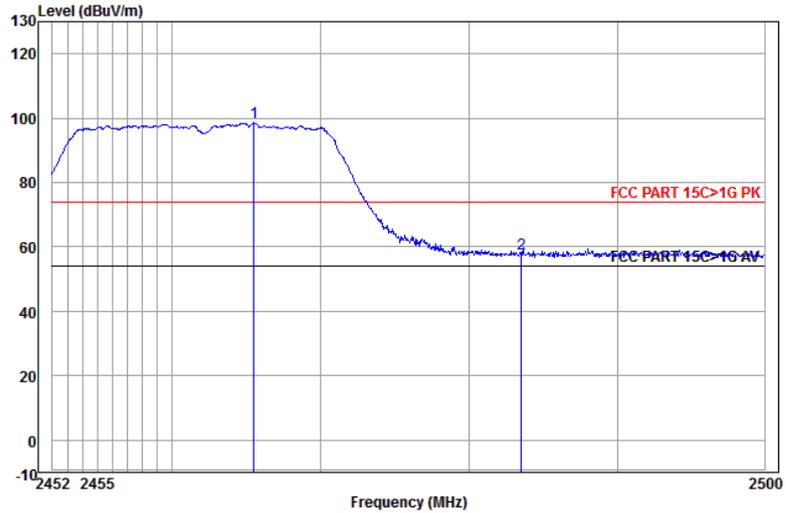
| | Ant Freq | Factor | Cable Loss | Read Level | Level | Limit Line | Over Limit | Pol/Phase | Remark |
|------|----------|--------|------------|------------|--------|------------|------------|------------|--------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 pp | 2464.868 | 32.68 | 3.11 | 68.91 | 104.70 | 74.00 | 30.70 | Horizontal | |
| 2 | 2483.500 | 32.71 | 3.12 | 22.80 | 58.63 | 74.00 | -15.37 | Horizontal | |

| | | | |
|----------------------|-------------------------|--------------------------|-----------------|
| Worse case mode: | 802.11n(HT20) (6.5Mbps) | | |
| Frequency: 2483.5MHz | Test channel: Highest | Polarization: Horizontal | Remark: Average |



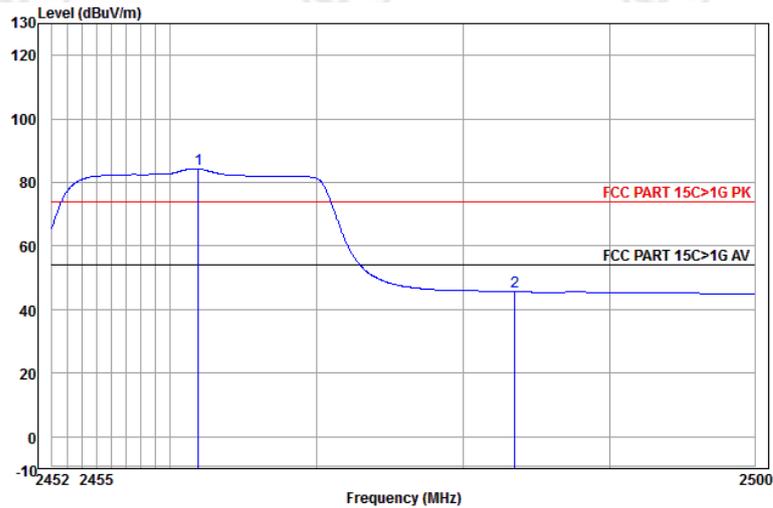
| | Ant Freq | Factor | Cable Loss | Read Level | Level | Limit Line | Over Limit | Pol/Phase | Remark |
|------|----------|--------|------------|------------|--------|------------|------------|------------|---------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 pp | 2461.669 | 32.67 | 3.11 | 49.77 | 85.55 | 54.00 | 31.55 | Horizontal | Average |
| 2 | 2483.500 | 32.71 | 3.12 | 9.61 | 45.44 | 54.00 | -8.56 | Horizontal | Average |

| | | | |
|----------------------|-------------------------|------------------------|--------------|
| Worse case mode: | 802.11n(HT20) (6.5Mbps) | | |
| Frequency: 2483.5MHz | Test channel: Highest | Polarization: Vertical | Remark: Peak |



| | Ant Freq | Cable Factor | Cable Loss | Read Level | Level | Limit | Over | Pol/Phase | Remark |
|------|----------|--------------|------------|------------|--------|--------|--------|-----------|--------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 pp | 2465.490 | 32.68 | 3.11 | 62.75 | 98.54 | 74.00 | 24.54 | Vertical | |
| 2 | 2483.500 | 32.71 | 3.12 | 22.12 | 57.95 | 74.00 | -16.05 | Vertical | |

| | | | |
|----------------------|-------------------------|------------------------|-----------------|
| Worse case mode: | 802.11n(HT20) (6.5Mbps) | | |
| Frequency: 2483.5MHz | Test channel: Highest | Polarization: Vertical | Remark: Average |



| | Ant Freq | Cable Factor | Cable Loss | Read Level | Level | Limit | Over | Pol/Phase | Remark |
|------|----------|--------------|------------|------------|--------|--------|-------|-----------|---------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | | |
| 1 pp | 2461.907 | 32.67 | 3.11 | 48.57 | 84.35 | 54.00 | 30.35 | Vertical | Average |
| 2 | 2483.500 | 32.71 | 3.12 | 9.78 | 45.61 | 54.00 | -8.39 | Vertical | Average |

Note:

1) Through Pre-scan transmitting mode with all kind of modulation and data rate, and the 11Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20) ; and then Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

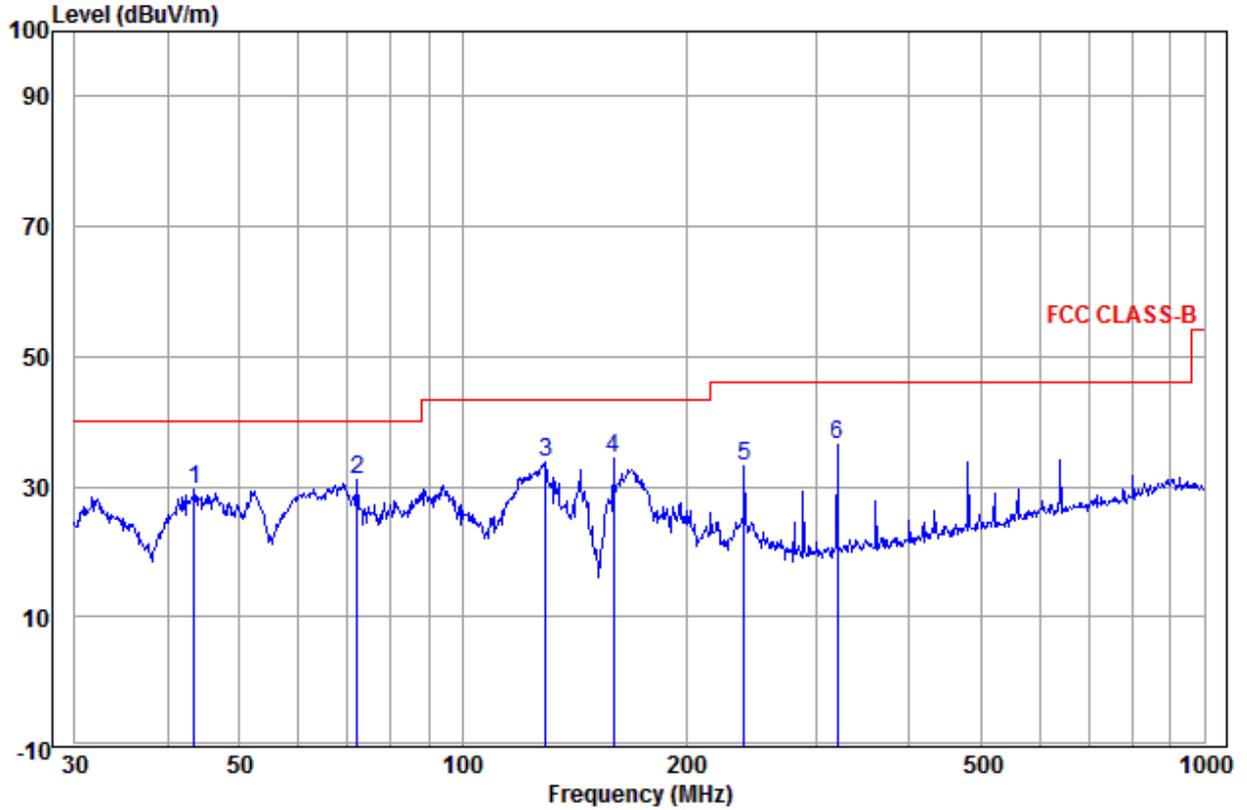
Correct Factor = Preamplifier Factor- Antenna Factor-Cable Factor

Appendix I): Radiated Spurious Emissions

| | | | | | |
|--|-------------------|----------------------------------|----------------------|------------|--------------------------|
| Receiver Setup: | Frequency | Detector | RBW | VBW | Remark |
| | 0.009MHz-0.090MHz | Peak | 10kHz | 30kHz | Peak |
| | 0.009MHz-0.090MHz | Average | 10kHz | 30kHz | Average |
| | 0.090MHz-0.110MHz | Quasi-peak | 10kHz | 30kHz | Quasi-peak |
| | 0.110MHz-0.490MHz | Peak | 10kHz | 30kHz | Peak |
| | 0.110MHz-0.490MHz | Average | 10kHz | 30kHz | Average |
| | 0.490MHz -30MHz | Quasi-peak | 10kHz | 30kHz | Quasi-peak |
| | 30MHz-1GHz | Quasi-peak | 120kHz | 300kHz | Quasi-peak |
| | Above 1GHz | Peak | 1MHz | 3MHz | Peak |
| Peak | | 1MHz | 10Hz | Average | |
| Test Procedure: | | | | | |
| Below 1GHz test procedure as below: | | | | | |
| <p>a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p> | | | | | |
| Above 1GHz test procedure as below: | | | | | |
| <p>g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter)..</p> <p>h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel</p> <p>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.</p> <p>j. Repeat above procedures until all frequencies measured was complete.</p> | | | | | |
| Limit: | Frequency | Field strength (microvolt/meter) | Limit (dB μ V/m) | Remark | Measurement distance (m) |
| | 0.009MHz-0.490MHz | 2400/F(kHz) | - | - | 300 |
| | 0.490MHz-1.705MHz | 24000/F(kHz) | - | - | 30 |
| | 1.705MHz-30MHz | 30 | - | - | 30 |
| | 30MHz-88MHz | 100 | 40.0 | Quasi-peak | 3 |
| | 88MHz-216MHz | 150 | 43.5 | Quasi-peak | 3 |
| | 216MHz-960MHz | 200 | 46.0 | Quasi-peak | 3 |
| | 960MHz-1GHz | 500 | 54.0 | Quasi-peak | 3 |
| | Above 1GHz | 500 | 54.0 | Average | 3 |
| <p>Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.</p> | | | | | |

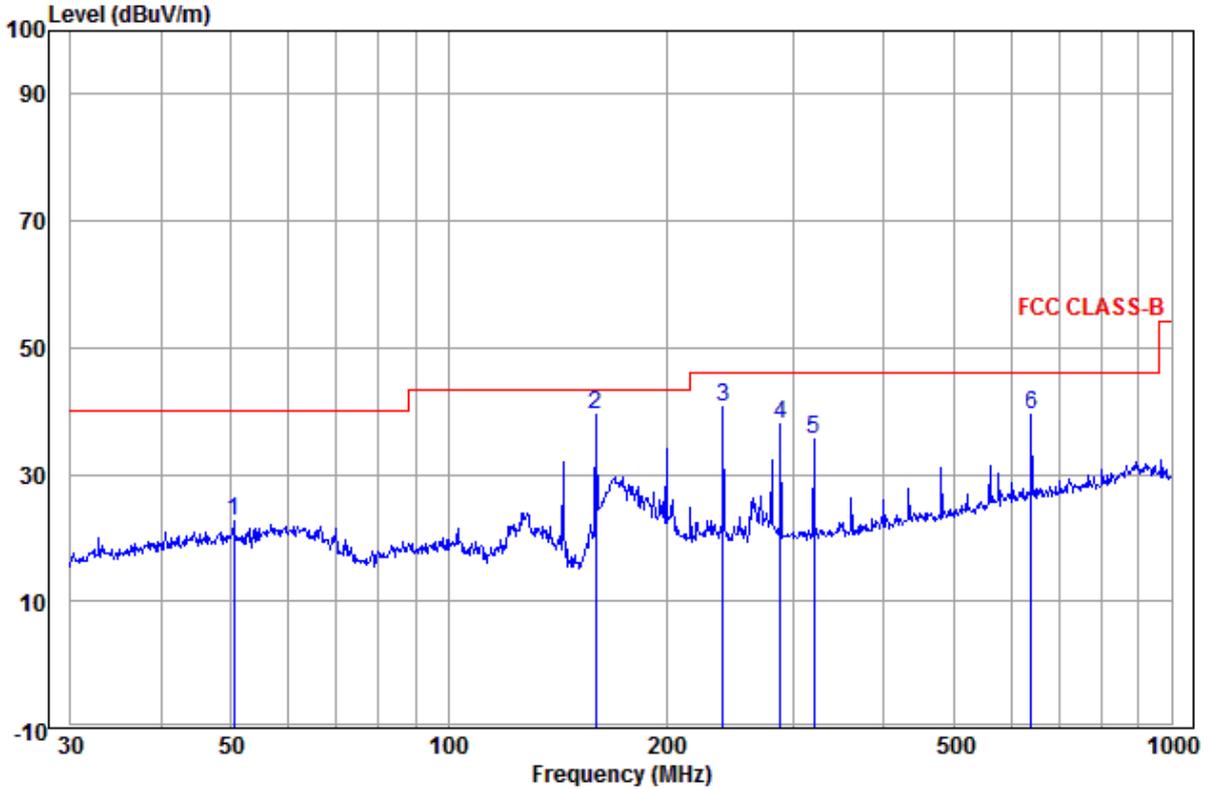
Radiated Spurious Emissions test Data:
Radiated Emission below 1GHz

| | | |
|-----------------|--------------|----------|
| 30MHz~1GHz (QP) | | |
| Test mode: | Transmitting | Vertical |



| | Ant Freq | Ant Factor | Cable Loss | Read Level | Limit Line | Over Limit | Pol/Phase | Remark |
|------|----------|------------|------------|------------|------------|------------|-----------|-------------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB | |
| 1 | 43.506 | 14.10 | 0.07 | 15.43 | 29.60 | 40.00 | -10.40 | Vertical QP |
| 2 | 72.084 | 10.00 | 0.29 | 20.63 | 30.92 | 40.00 | -9.08 | Vertical QP |
| 3 | 129.468 | 10.14 | 0.60 | 22.94 | 33.68 | 43.50 | -9.82 | Vertical QP |
| 4 pp | 159.784 | 9.39 | 0.72 | 24.31 | 34.42 | 43.50 | -9.08 | Vertical QP |
| 5 | 239.987 | 12.40 | 1.30 | 19.58 | 33.28 | 46.00 | -12.72 | Vertical QP |
| 6 | 319.937 | 13.82 | 1.17 | 21.58 | 36.57 | 46.00 | -9.43 | Vertical QP |

| | | |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



| | Ant Freq | Cable Factor | Cable Loss | Read Level | Limit Line | Over Limit | Pol/Phase | Remark |
|------|----------|--------------|------------|------------|------------|------------|-----------|---------------|
| | MHz | dB/m | dB | dBuV | dBuV/m | dB | | |
| 1 | 50.409 | 14.53 | 0.11 | 7.99 | 22.63 | 40.00 | -17.37 | Horizontal QP |
| 2 pp | 159.784 | 9.39 | 0.72 | 29.31 | 39.42 | 43.50 | -4.08 | Horizontal QP |
| 3 | 239.987 | 12.40 | 1.30 | 26.87 | 40.57 | 46.00 | -5.43 | Horizontal QP |
| 4 | 287.990 | 13.22 | 1.13 | 23.75 | 38.10 | 46.00 | -7.90 | Horizontal QP |
| 5 | 319.937 | 13.82 | 1.17 | 20.70 | 35.69 | 46.00 | -10.31 | Horizontal QP |
| 6 | 640.611 | 18.86 | 1.83 | 18.69 | 39.38 | 46.00 | -6.62 | Horizontal QP |

Transmitter Emission above 1GHz

| Test mode: 802.11b(11Mbps) | | | Test Frequency: 2412MHz | | | Remark: Peak | | | |
|----------------------------|-----------------------|-----------------|-------------------------|-------------------|---------------------------|----------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Final test level (dBμV/m) | Limit (dBμV/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1084.867 | 29.94 | 1.67 | 44.56 | 47.35 | 34.40 | 74.00 | -39.60 | Pass | Horizontal |
| 1557.252 | 30.98 | 2.36 | 43.93 | 47.20 | 36.61 | 74.00 | -37.39 | Pass | Horizontal |
| 4824.000 | 34.73 | 6.02 | 44.60 | 48.42 | 44.57 | 74.00 | -29.43 | Pass | Horizontal |
| 6363.645 | 36.09 | 7.34 | 44.54 | 45.74 | 44.63 | 74.00 | -29.37 | Pass | Horizontal |
| 7236.000 | 36.42 | 6.94 | 44.80 | 47.60 | 46.16 | 74.00 | -27.84 | Pass | Horizontal |
| 9648.000 | 37.93 | 7.01 | 45.57 | 44.38 | 43.75 | 74.00 | -30.25 | Pass | Horizontal |
| 1289.885 | 30.43 | 2.00 | 44.26 | 47.17 | 35.34 | 74.00 | -38.66 | Pass | Vertical |
| 1795.839 | 31.39 | 2.63 | 43.69 | 46.51 | 36.84 | 74.00 | -37.16 | Pass | Vertical |
| 4824.000 | 34.73 | 6.02 | 44.60 | 46.65 | 42.80 | 74.00 | -31.20 | Pass | Vertical |
| 6379.864 | 36.10 | 7.34 | 44.54 | 46.20 | 45.10 | 74.00 | -28.90 | Pass | Vertical |
| 7236.000 | 36.42 | 6.94 | 44.80 | 45.15 | 43.71 | 74.00 | -30.29 | Pass | Vertical |
| 9648.000 | 37.93 | 7.01 | 45.57 | 44.60 | 43.97 | 74.00 | -30.03 | Pass | Vertical |

| Test mode: 802.11b(11Mbps) | | | Test Frequency: 2437MHz | | | Remark: Peak | | | |
|----------------------------|-----------------------|-----------------|-------------------------|-------------------|---------------------------|----------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Final test level (dBμV/m) | Limit (dBμV/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1353.804 | 30.57 | 2.09 | 44.18 | 46.51 | 34.99 | 74.00 | -39.01 | Pass | Horizontal |
| 2081.550 | 31.89 | 2.89 | 43.62 | 46.48 | 37.64 | 74.00 | -36.36 | Pass | Horizontal |
| 4874.000 | 34.84 | 6.12 | 44.60 | 47.34 | 43.70 | 74.00 | -30.30 | Pass | Horizontal |
| 6594.518 | 36.21 | 7.29 | 44.56 | 46.84 | 45.78 | 74.00 | -28.22 | Pass | Horizontal |
| 7311.000 | 36.43 | 6.86 | 44.86 | 48.64 | 47.07 | 74.00 | -26.93 | Pass | Horizontal |
| 9748.000 | 38.03 | 7.10 | 45.55 | 44.86 | 44.44 | 74.00 | -29.56 | Pass | Horizontal |
| 1244.726 | 30.33 | 1.93 | 44.32 | 47.45 | 35.39 | 74.00 | -38.61 | Pass | Vertical |
| 1642.761 | 31.13 | 2.46 | 43.84 | 46.70 | 36.45 | 74.00 | -37.55 | Pass | Vertical |
| 4874.000 | 34.84 | 6.12 | 44.60 | 44.42 | 40.78 | 74.00 | -33.22 | Pass | Vertical |
| 5986.509 | 35.89 | 7.43 | 44.50 | 45.30 | 44.12 | 74.00 | -29.88 | Pass | Vertical |
| 7311.000 | 36.43 | 6.86 | 44.86 | 46.48 | 44.91 | 74.00 | -29.09 | Pass | Vertical |
| 9748.000 | 38.03 | 7.10 | 45.55 | 45.18 | 44.76 | 74.00 | -29.24 | Pass | Vertical |

| Test mode: 802.11b(11Mbps) | | | Test Frequency: 2462MHz | | | Remark: Peak | | | |
|----------------------------|-----------------------|-----------------|-------------------------|-------------------------|---------------------------------|----------------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dB μ V) | Final test level (dB μ V/m) | Limit (dB μ V/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1247.899 | 30.34 | 1.93 | 44.32 | 47.16 | 35.11 | 74.00 | -38.89 | Pass | Horizontal |
| 1557.252 | 30.98 | 2.36 | 43.93 | 47.53 | 36.94 | 74.00 | -37.06 | Pass | Horizontal |
| 4924.000 | 34.94 | 6.22 | 44.60 | 52.11 | 48.67 | 74.00 | -25.33 | Pass | Horizontal |
| 5806.408 | 35.76 | 7.25 | 44.52 | 46.78 | 45.27 | 74.00 | -28.73 | Pass | Horizontal |
| 7386.000 | 36.44 | 6.78 | 44.92 | 49.23 | 47.53 | 74.00 | -26.47 | Pass | Horizontal |
| 9848.000 | 38.14 | 7.19 | 45.53 | 44.21 | 44.01 | 74.00 | -29.99 | Pass | Horizontal |
| 1095.969 | 29.96 | 1.69 | 44.54 | 48.14 | 35.25 | 74.00 | -38.75 | Pass | Vertical |
| 1573.189 | 31.01 | 2.38 | 43.92 | 47.41 | 36.88 | 74.00 | -37.12 | Pass | Vertical |
| 4924.000 | 34.94 | 6.22 | 44.60 | 49.15 | 45.71 | 74.00 | -28.29 | Pass | Vertical |
| 6379.864 | 36.10 | 7.34 | 44.54 | 46.25 | 45.15 | 74.00 | -28.85 | Pass | Vertical |
| 7386.000 | 36.44 | 6.78 | 44.92 | 45.53 | 43.83 | 74.00 | -30.17 | Pass | Vertical |
| 9848.000 | 38.14 | 7.19 | 45.53 | 45.14 | 44.94 | 74.00 | -29.06 | Pass | Vertical |

| Test mode: 802.11g(6Mbps) | | | Test Frequency: 2412MHz | | | Remark: Peak | | | |
|---------------------------|-----------------------|-----------------|-------------------------|-------------------------|---------------------------------|----------------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dB μ V) | Final test level (dB μ V/m) | Limit (dB μ V/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1323.141 | 30.51 | 2.05 | 44.22 | 48.21 | 36.55 | 74.00 | -37.45 | Pass | Horizontal |
| 1805.005 | 31.40 | 2.64 | 43.68 | 47.15 | 37.51 | 74.00 | -36.49 | Pass | Horizontal |
| 4824.000 | 34.73 | 6.02 | 44.60 | 49.20 | 45.35 | 74.00 | -28.65 | Pass | Horizontal |
| 5821.207 | 35.77 | 7.26 | 44.52 | 46.03 | 44.54 | 74.00 | -29.46 | Pass | Horizontal |
| 7236.000 | 36.42 | 6.94 | 44.80 | 45.74 | 44.30 | 74.00 | -29.70 | Pass | Horizontal |
| 9648.000 | 37.93 | 7.01 | 45.57 | 44.02 | 43.39 | 74.00 | -30.61 | Pass | Horizontal |
| 1323.141 | 30.51 | 2.05 | 44.22 | 46.98 | 35.32 | 74.00 | -38.68 | Pass | Vertical |
| 1805.005 | 31.40 | 2.64 | 43.68 | 46.75 | 37.11 | 74.00 | -36.89 | Pass | Vertical |
| 4824.000 | 34.73 | 6.02 | 44.60 | 46.18 | 42.33 | 74.00 | -31.67 | Pass | Vertical |
| 5821.207 | 35.77 | 7.26 | 44.52 | 46.07 | 44.58 | 74.00 | -29.42 | Pass | Vertical |
| 7236.000 | 36.42 | 6.94 | 44.80 | 43.68 | 42.24 | 74.00 | -31.76 | Pass | Vertical |
| 9648.000 | 37.93 | 7.01 | 45.57 | 44.59 | 43.96 | 74.00 | -30.04 | Pass | Vertical |

| Test mode: 802.11g(6Mbps) | | | Test Frequency: 2437MHz | | | Remark: Peak | | | |
|---------------------------|-----------------------|-----------------|-------------------------|-------------------------|---------------------------------|----------------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dB μ V) | Final test level (dB μ V/m) | Limit (dB μ V/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1210.356 | 30.25 | 1.88 | 44.37 | 47.03 | 34.79 | 74.00 | -39.21 | Pass | Horizontal |
| 1621.985 | 31.10 | 2.44 | 43.86 | 47.21 | 36.89 | 74.00 | -37.11 | Pass | Horizontal |
| 4874.000 | 34.84 | 6.12 | 44.60 | 52.54 | 48.90 | 74.00 | -25.10 | Pass | Horizontal |
| 5986.509 | 35.89 | 7.43 | 44.50 | 46.28 | 45.10 | 74.00 | -28.90 | Pass | Horizontal |
| 7311.000 | 36.43 | 6.86 | 44.86 | 44.92 | 43.35 | 74.00 | -30.65 | Pass | Horizontal |
| 9748.000 | 38.03 | 7.10 | 45.55 | 46.19 | 45.77 | 74.00 | -28.23 | Pass | Horizontal |
| 1293.173 | 30.44 | 2.00 | 44.25 | 47.38 | 35.57 | 74.00 | -38.43 | Pass | Vertical |
| 1573.189 | 31.01 | 2.38 | 43.92 | 47.22 | 36.69 | 74.00 | -37.31 | Pass | Vertical |
| 4874.000 | 34.84 | 6.12 | 44.60 | 47.54 | 43.90 | 74.00 | -30.10 | Pass | Vertical |
| 5821.207 | 35.77 | 7.26 | 44.52 | 46.23 | 44.74 | 74.00 | -29.26 | Pass | Vertical |
| 7311.000 | 36.43 | 6.86 | 44.86 | 45.13 | 43.56 | 74.00 | -30.44 | Pass | Vertical |
| 9748.000 | 38.03 | 7.10 | 45.55 | 43.95 | 43.53 | 74.00 | -30.47 | Pass | Vertical |

| Test mode: 802.11g(6Mbps) | | | Test Frequency: 2462MHz | | | Remark: Peak | | | |
|---------------------------|-----------------------|-----------------|-------------------------|-------------------------|---------------------------------|----------------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dB μ V) | Final test level (dB μ V/m) | Limit (dB μ V/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1254.268 | 30.35 | 1.94 | 44.31 | 47.02 | 35.00 | 74.00 | -39.00 | Pass | Horizontal |
| 1865.735 | 31.50 | 2.71 | 43.62 | 47.47 | 38.06 | 74.00 | -35.94 | Pass | Horizontal |
| 4924.000 | 34.94 | 6.22 | 44.60 | 48.00 | 44.56 | 74.00 | -29.44 | Pass | Horizontal |
| 5821.207 | 35.77 | 7.26 | 44.52 | 46.80 | 45.31 | 74.00 | -28.69 | Pass | Horizontal |
| 7386.000 | 36.44 | 6.78 | 44.92 | 49.50 | 47.80 | 74.00 | -26.20 | Pass | Horizontal |
| 9848.000 | 38.14 | 7.19 | 45.53 | 45.08 | 44.88 | 74.00 | -29.12 | Pass | Horizontal |
| 1410.080 | 30.69 | 2.17 | 44.11 | 47.21 | 35.96 | 74.00 | -38.04 | Pass | Vertical |
| 1894.450 | 31.54 | 2.74 | 43.59 | 46.89 | 37.58 | 74.00 | -36.42 | Pass | Vertical |
| 4924.000 | 34.94 | 6.22 | 44.60 | 47.17 | 43.73 | 74.00 | -30.27 | Pass | Vertical |
| 6611.326 | 36.21 | 7.28 | 44.56 | 45.72 | 44.65 | 74.00 | -29.35 | Pass | Vertical |
| 7386.000 | 36.44 | 6.78 | 44.92 | 44.75 | 43.05 | 74.00 | -30.95 | Pass | Vertical |
| 9848.000 | 38.14 | 7.19 | 45.53 | 43.73 | 43.53 | 74.00 | -30.47 | Pass | Vertical |

| Test mode: 802.11n(HT20)(6.5Mbps) | | | Test Frequency: 2412MHz | | | Remark: Peak | | | |
|-----------------------------------|-----------------------|-----------------|-------------------------|-------------------|---------------------------|----------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Final test level (dBμV/m) | Limit (dBμV/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1280.072 | 30.41 | 1.98 | 44.27 | 47.36 | 35.48 | 74.00 | -38.52 | Pass | Horizontal |
| 1923.606 | 31.59 | 2.77 | 43.57 | 46.49 | 37.28 | 74.00 | -36.72 | Pass | Horizontal |
| 4824.000 | 34.73 | 6.02 | 44.60 | 47.07 | 43.22 | 74.00 | -30.78 | Pass | Horizontal |
| 5986.509 | 35.89 | 7.43 | 44.50 | 45.42 | 44.24 | 74.00 | -29.76 | Pass | Horizontal |
| 7236.000 | 36.42 | 6.94 | 44.80 | 51.10 | 49.66 | 74.00 | -24.34 | Pass | Horizontal |
| 9648.000 | 37.93 | 7.01 | 45.57 | 43.70 | 43.07 | 74.00 | -30.93 | Pass | Horizontal |
| 1090.404 | 29.95 | 1.68 | 44.55 | 47.29 | 34.37 | 74.00 | -39.63 | Pass | Vertical |
| 1545.405 | 30.96 | 2.35 | 43.95 | 47.51 | 36.87 | 74.00 | -37.13 | Pass | Vertical |
| 4824.000 | 34.73 | 6.02 | 44.60 | 48.63 | 44.78 | 74.00 | -29.22 | Pass | Vertical |
| 6396.125 | 36.11 | 7.34 | 44.54 | 46.10 | 45.01 | 74.00 | -28.99 | Pass | Vertical |
| 7236.000 | 36.42 | 6.94 | 44.80 | 47.59 | 46.15 | 74.00 | -27.85 | Pass | Vertical |
| 9648.000 | 37.93 | 7.01 | 45.57 | 44.19 | 43.56 | 74.00 | -30.44 | Pass | Vertical |

| Test mode: 802.11n(HT20)(6.5Mbps) | | | Test Frequency: 2437MHz | | | Remark: Peak | | | |
|-----------------------------------|-----------------------|-----------------|-------------------------|-------------------|---------------------------|----------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dBμV) | Final test level (dBμV/m) | Limit (dBμV/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1283.335 | 30.42 | 1.99 | 44.27 | 47.81 | 35.95 | 74.00 | -38.05 | Pass | Horizontal |
| 1795.839 | 31.39 | 2.63 | 43.69 | 46.93 | 37.26 | 74.00 | -36.74 | Pass | Horizontal |
| 4874.000 | 34.84 | 6.12 | 44.60 | 51.11 | 47.47 | 74.00 | -26.53 | Pass | Horizontal |
| 6379.864 | 36.10 | 7.34 | 44.54 | 46.42 | 45.32 | 74.00 | -28.68 | Pass | Horizontal |
| 7311.000 | 36.43 | 6.86 | 44.86 | 51.63 | 50.06 | 74.00 | -23.94 | Pass | Horizontal |
| 9748.000 | 38.03 | 7.10 | 45.55 | 45.38 | 44.96 | 74.00 | -29.04 | Pass | Horizontal |
| 1188.980 | 30.20 | 1.84 | 44.40 | 47.35 | 34.99 | 74.00 | -39.01 | Pass | Vertical |
| 1860.992 | 31.49 | 2.70 | 43.62 | 47.08 | 37.65 | 74.00 | -36.35 | Pass | Vertical |
| 4874.000 | 34.84 | 6.12 | 44.60 | 48.57 | 44.93 | 74.00 | -29.07 | Pass | Vertical |
| 6379.864 | 36.10 | 7.34 | 44.54 | 45.76 | 44.66 | 74.00 | -29.34 | Pass | Vertical |
| 7311.000 | 36.43 | 6.86 | 44.86 | 51.06 | 49.49 | 74.00 | -24.51 | Pass | Vertical |
| 9748.000 | 38.03 | 7.10 | 45.55 | 44.49 | 44.07 | 74.00 | -29.93 | Pass | Vertical |

| Test mode: 802.11n(HT20)(6.5Mbps) | | | Test Frequency: 2462MHz | | | Remark: Peak | | | |
|-----------------------------------|-----------------------|-----------------|-------------------------|-------------------------|---------------------------------|----------------------|-----------------|--------|-----------------|
| Frequency (MHz) | Antenna Factor (dB/m) | Cable Loss (dB) | Preamp Gain (dB) | Read Level (dB μ V) | Final test level (dB μ V/m) | Limit (dB μ V/m) | Over Limit (dB) | Result | Antenna Polaxis |
| 1346.929 | 30.56 | 2.08 | 44.18 | 47.99 | 36.45 | 74.00 | -37.55 | Pass | Horizontal |
| 1529.749 | 30.93 | 2.33 | 43.96 | 49.29 | 38.59 | 74.00 | -35.41 | Pass | Horizontal |
| 4924.000 | 34.94 | 6.22 | 44.60 | 48.59 | 45.15 | 74.00 | -28.85 | Pass | Horizontal |
| 5971.290 | 35.88 | 7.41 | 44.50 | 45.44 | 44.23 | 74.00 | -29.77 | Pass | Horizontal |
| 7386.000 | 36.44 | 6.78 | 44.92 | 43.63 | 41.93 | 74.00 | -32.07 | Pass | Horizontal |
| 9848.000 | 38.14 | 7.19 | 45.53 | 44.75 | 44.55 | 74.00 | -29.45 | Pass | Horizontal |
| 1299.773 | 30.46 | 2.01 | 44.25 | 47.20 | 35.42 | 74.00 | -38.58 | Pass | Vertical |
| 1680.831 | 31.20 | 2.51 | 43.80 | 46.22 | 36.13 | 74.00 | -37.87 | Pass | Vertical |
| 4924.000 | 34.94 | 6.22 | 44.60 | 46.84 | 43.40 | 74.00 | -30.60 | Pass | Vertical |
| 5971.290 | 35.88 | 7.41 | 44.50 | 46.56 | 45.35 | 74.00 | -28.65 | Pass | Vertical |
| 7386.000 | 36.44 | 6.78 | 44.92 | 47.90 | 46.20 | 74.00 | -27.80 | Pass | Vertical |
| 9848.000 | 38.14 | 7.19 | 45.53 | 44.52 | 44.32 | 74.00 | -29.68 | Pass | Vertical |

Note:

1) Through Pre-scan transmitter mode with all kind of modulation and data rate, find the 11Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20) ; and then Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

3) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

PHOTOGRAPHS OF TEST SETUP

Test Model No.: HexaDuo Smart



Radiated spurious emission Test Setup-1(Below 30MHz)



Radiated spurious emission Test Setup-2(30MHz-1GHz)



Radiated spurious emission Test Setup-3(Above 1GHz)



Conducted Emissions Test Setup

PHOTOGRAPHS OF EUT Constructional Details

Test Model No.: HexaDuo Smart



View of Product-1



View of Product-2



View of Product-3



View of Product-4



View of Product-5



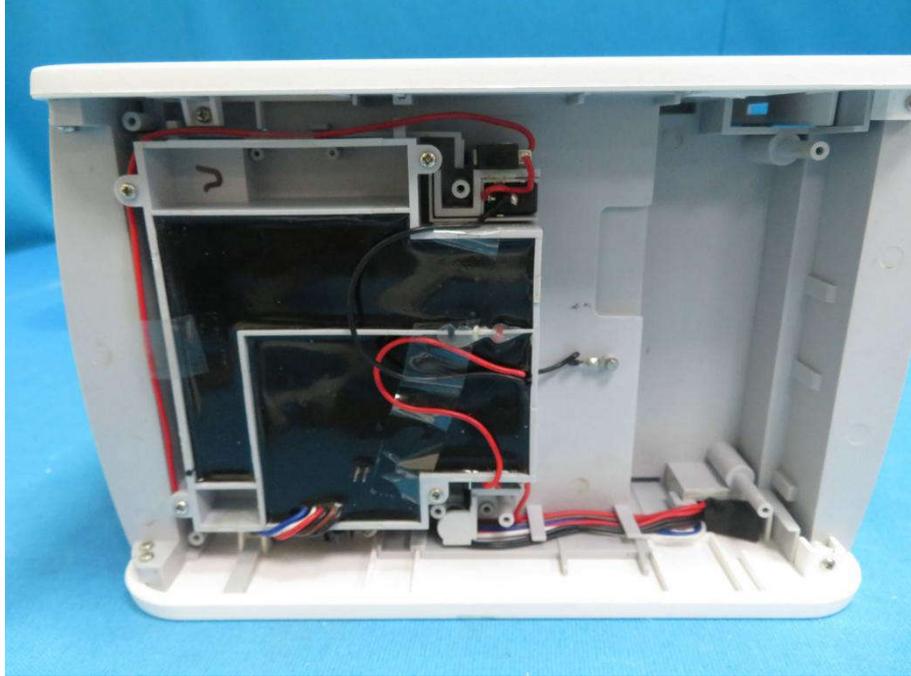
View of Product-6



View of Product-7



View of Product-8



View of Product-9



View of Product-10



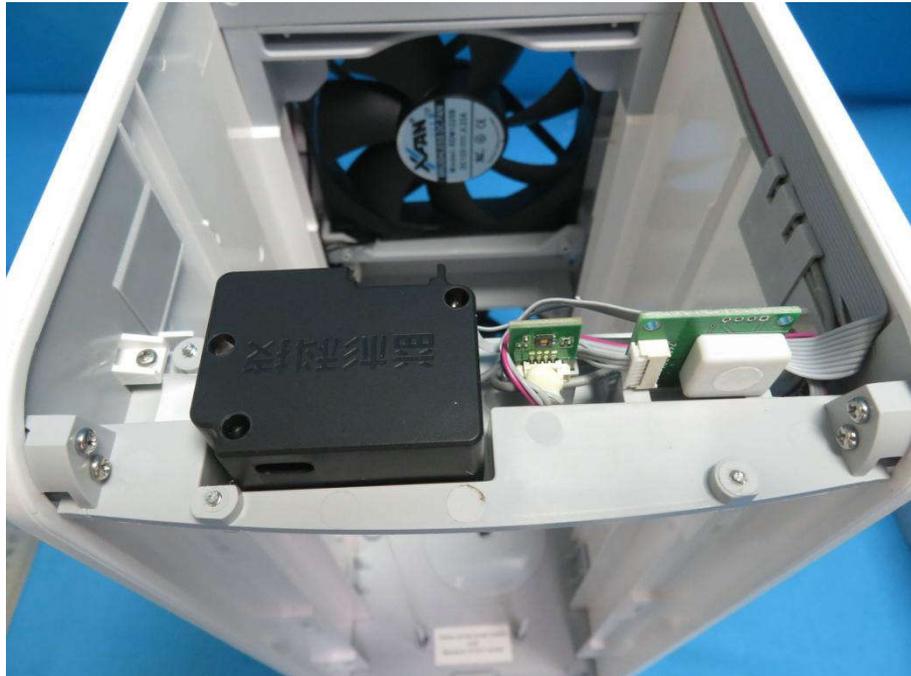
View of Product-11



View of Product-12



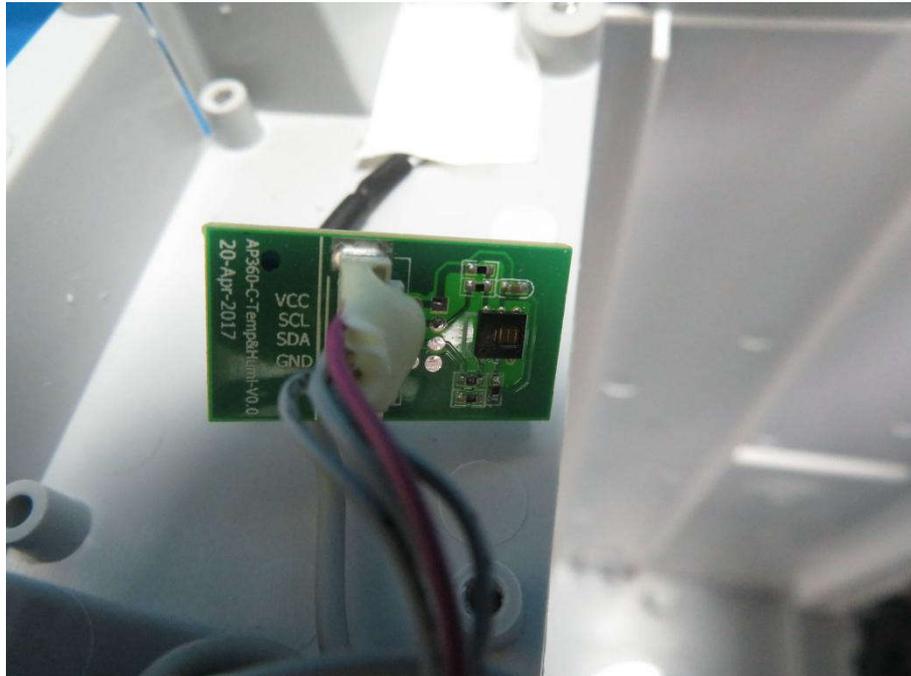
View of Product-13



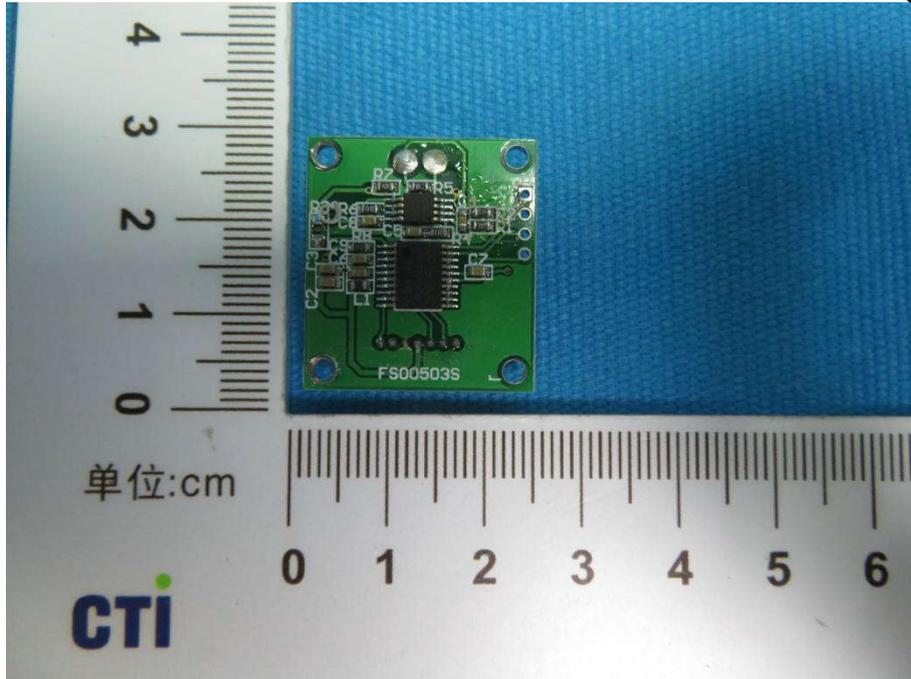
View of Product-14



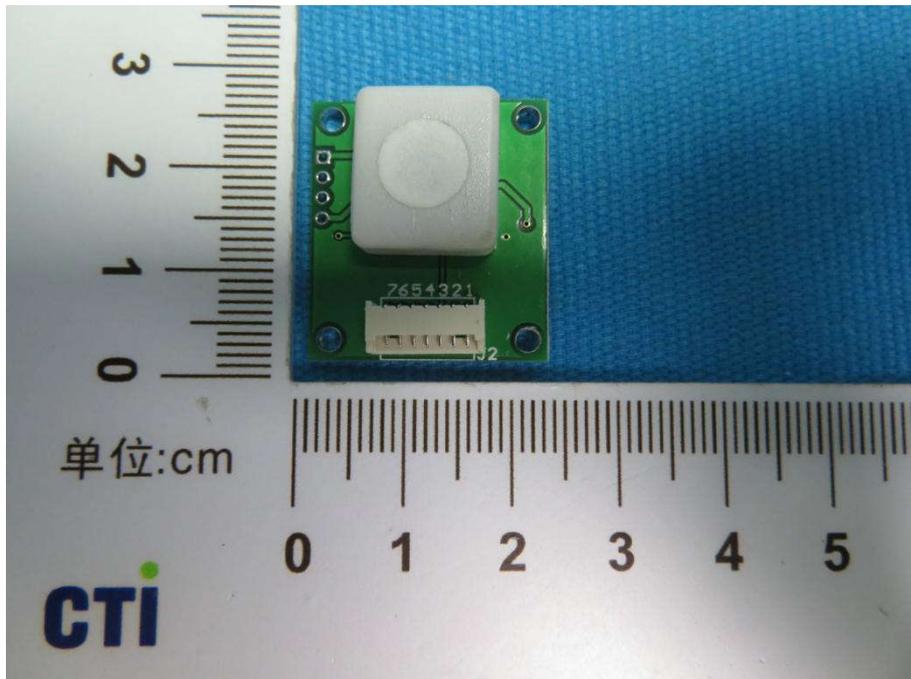
View of Product-15



View of Product-16



View of Product-17



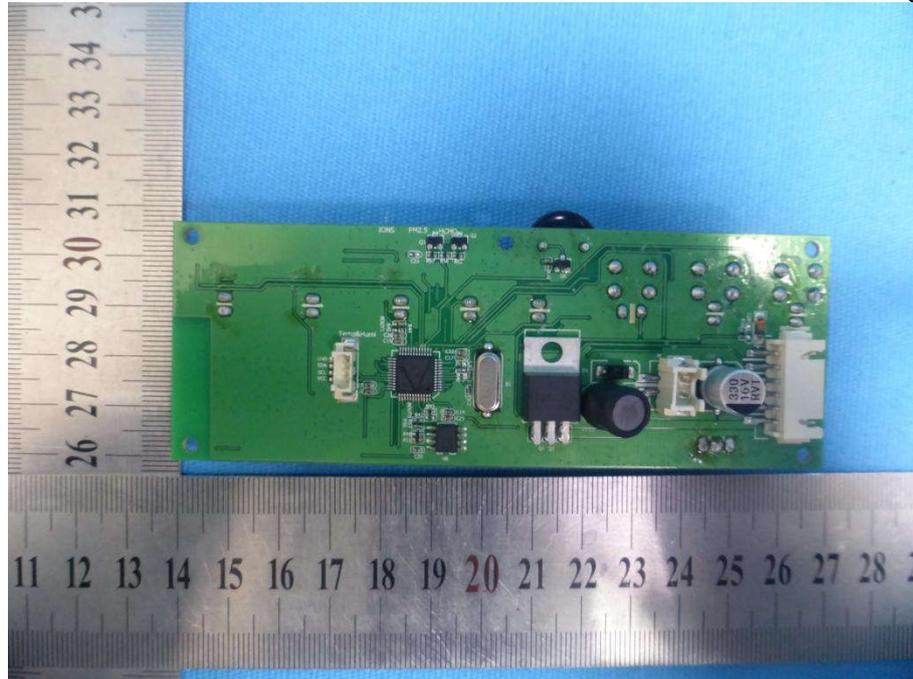
View of Product-18



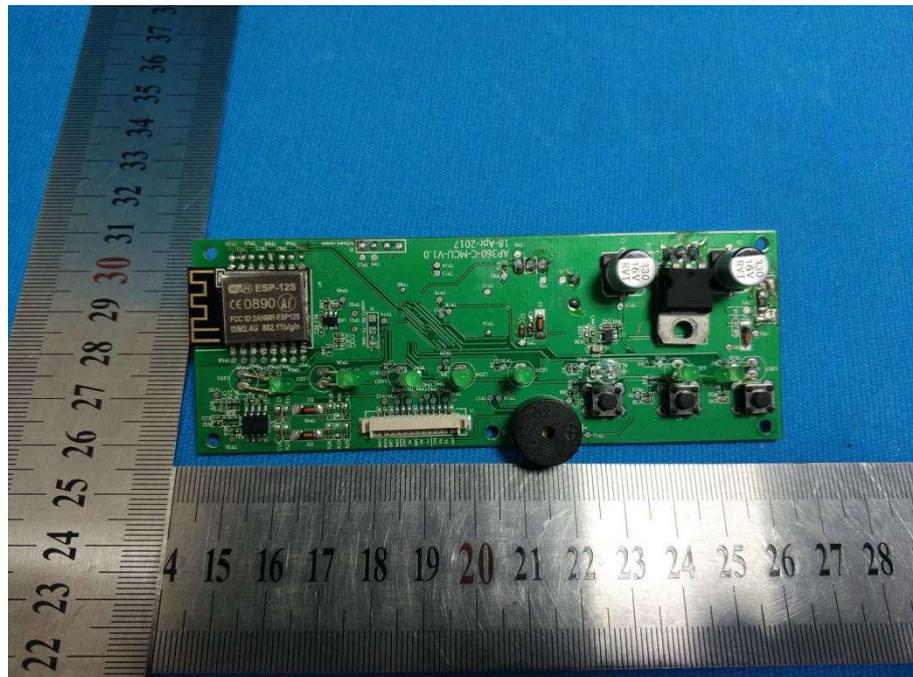
View of Product-19



View of Product-20



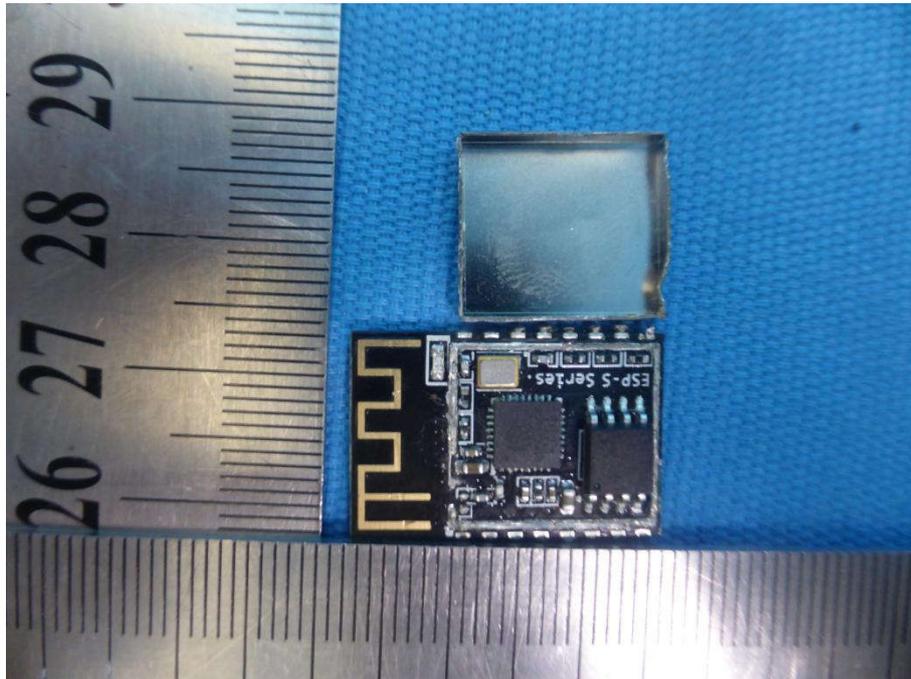
View of Product-21



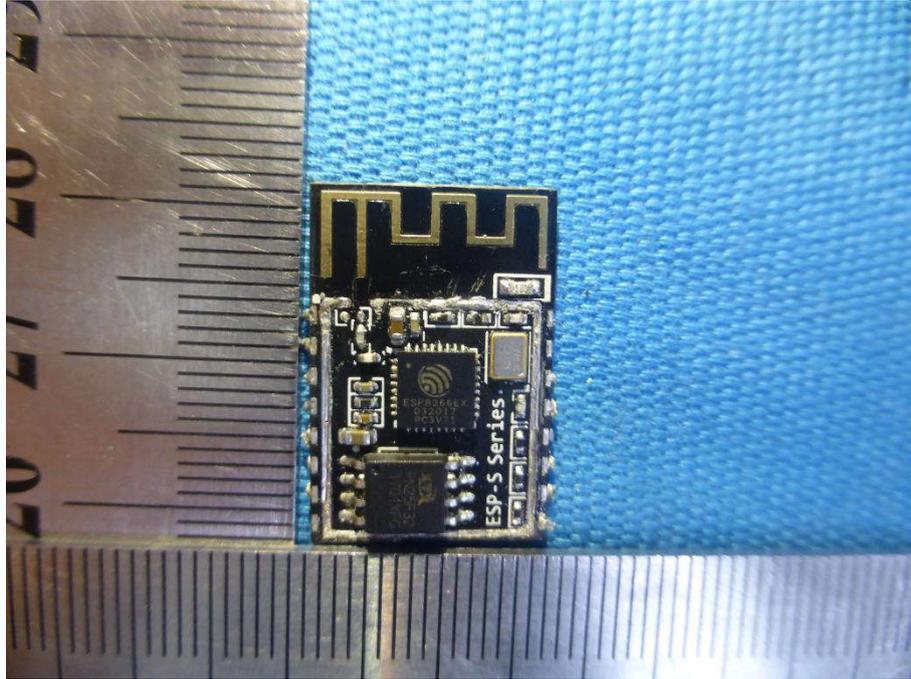
View of Product-22



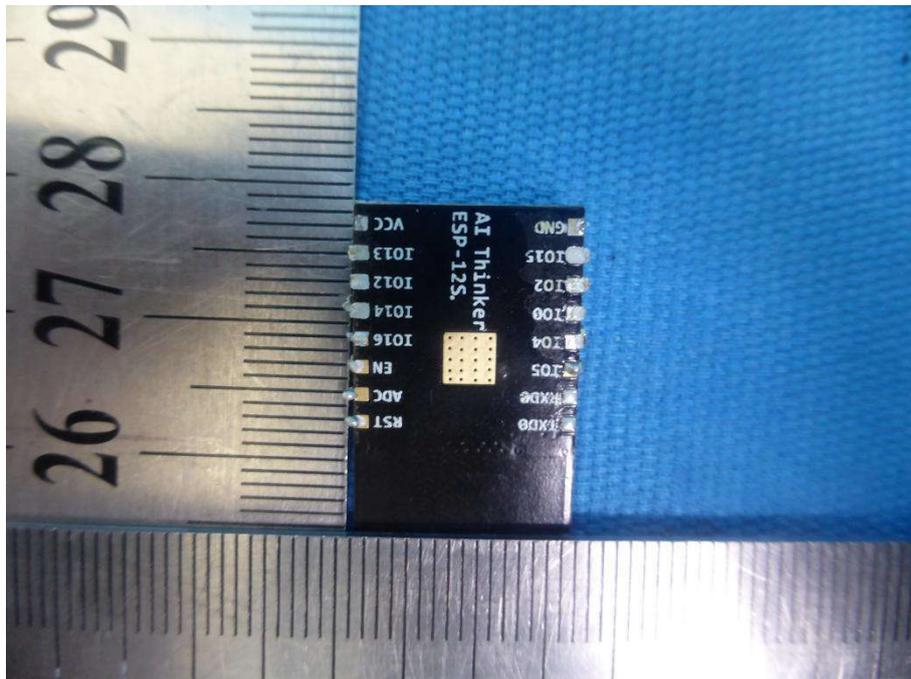
View of Product-23



View of Product-24



View of Product-25



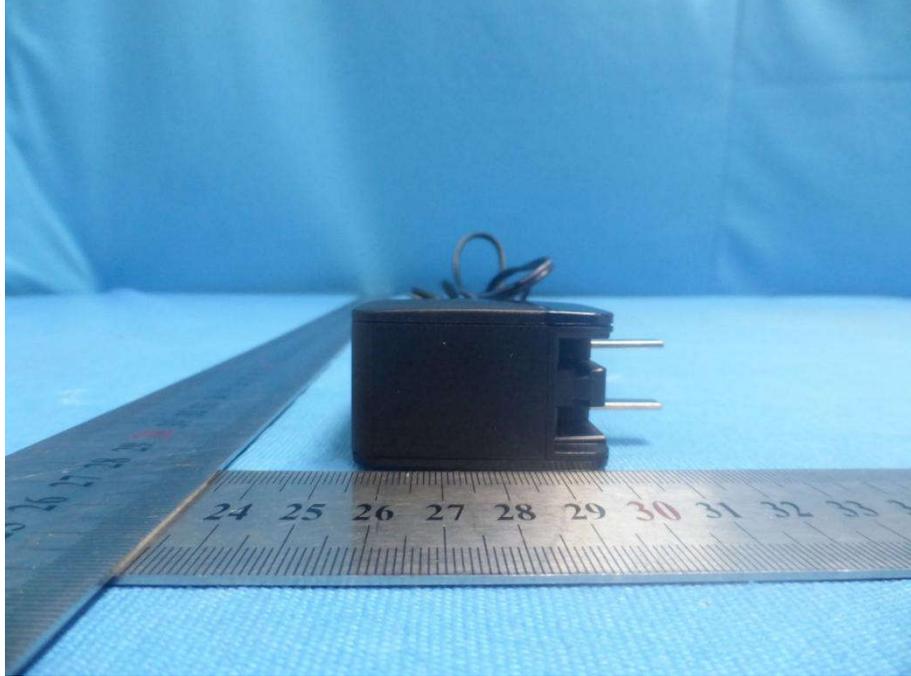
View of Product-26



View of Product-27



View of Product-28



View of Product-29



View of Product-30



View of Product-31



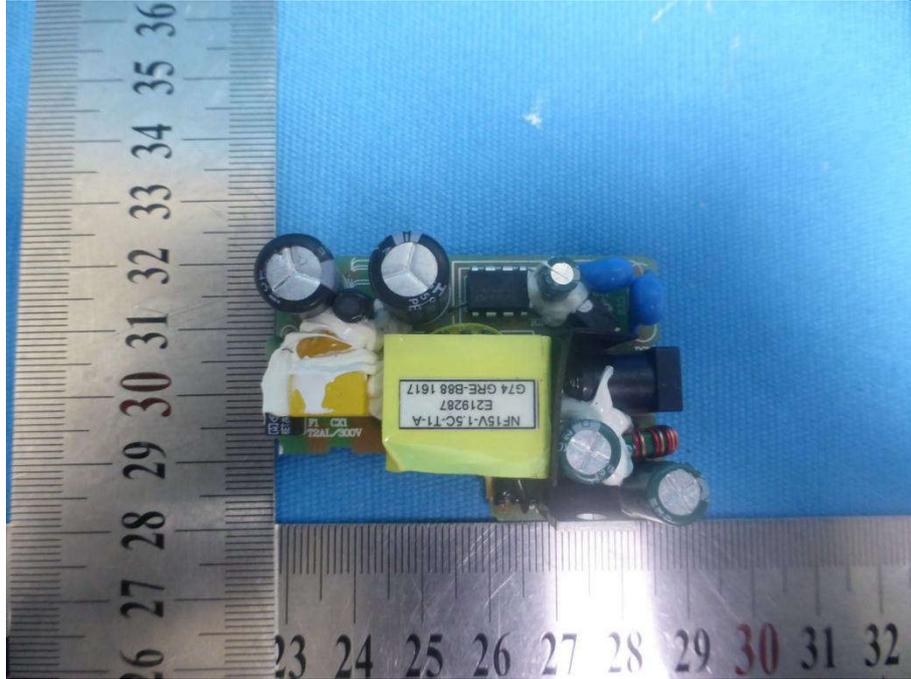
View of Product-32



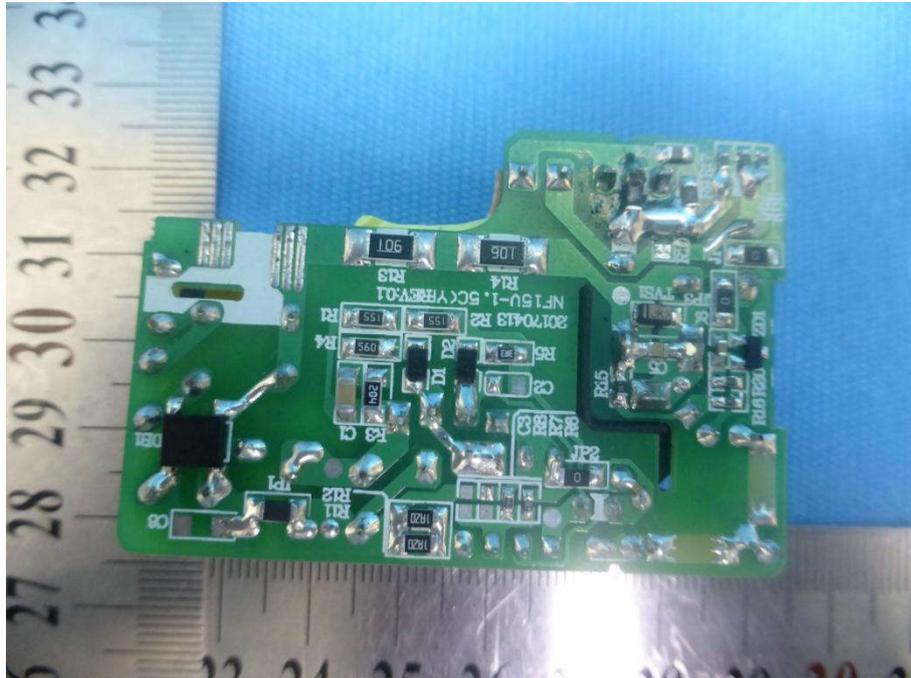
View of Product-33



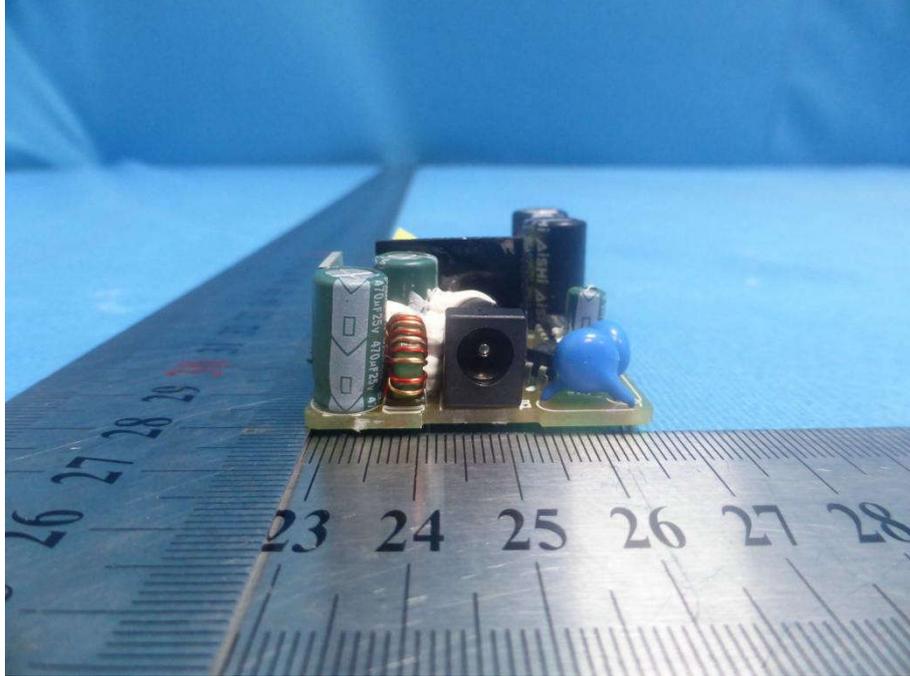
View of Product-34



View of Product-35



View of Product-36



View of Product-37

*** End of Report ***

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