



# FCC RADIO TEST REPORT

FCC ID : RAXWN9711  
Equipment : Wireless LAN Network Module  
Brand Name : Arcadyan  
Model Name : WN9711BTAAC-YA  
Applicant : Arcadyan Technology Corporation  
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan  
Manufacturer : Arcadyan Technology Corporation  
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan  
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 05, 2017, and testing was started from Apr. 19, 2018 and completed on Apr. 19, 2018. We, SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in FCC Public Notice DA 00-705 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

**SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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### Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                              | Result (PASS/FAIL) | Remark |
|---------------|-----------------|---|--------------------|--------|
| 1.1.2         | 15.203          | Antenna Requirement                     | PASS               | -      |
| 3.1           | 15.247(d)       | Emissions in Restricted Frequency Bands | PASS               | -      |

Reviewed by: **Sam Chen**

Report Producer: **Cindy Peng**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | Bluetooth Version | Ch. Frequency (MHz) | Channel Number |
|-----------------------|-------------------|---------------------|----------------|
| 2400-2483.5           | BR / EDR          | 2402-2480           | 0-78 [79]      |

| Band          | Mode          | BWch (MHz) | Nant |
|---------------|---------------|------------|------|
| 2.4-2.4835GHz | BT-BR(1Mbps)  | 1          | 1TX  |
| 2.4-2.4835GHz | BT-EDR(2Mbps) | 1          | 1TX  |
| 2.4-2.4835GHz | BT-EDR(3Mbps) | 1          | 1TX  |

Note:

- ♦ Bluetooth BR uses a GFSK (1Mbps).
- ♦ Bluetooth EDR uses a combination of  $\pi/4$ -DQPSK (2Mbps) and 8DPSK (3Mbps).
- ♦ Bluetooth BR/EDR uses as a system using FHSS modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2, 3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.



**1.1.2 Antenna Information**

| Set | Ant. | Brand                         | Model Name                 | Type   | Connector    | Gain (dBi) |      | Cable Length (mm) |
|-----|------|-------------------------------|----------------------------|--------|--------------|------------|------|-------------------|
|     |      |                               |                            |        |              | 2.4GHz     | 5GHz |                   |
| 1   | 1    | ACON                          | AEMEE-10000                | Dipole | Reversed-SMA | 3.24       | 4.54 | Note 1            |
|     | 2    |                               | AEMEE-10000                | Dipole | Reversed-SMA | 3.24       | 4.54 |                   |
| Set | Ant. | Brand                         | Model Name                 | Type   | Connector    | Gain (dBi) |      | Cable Length (mm) |
|     |      |                               |                            |        |              | 2.4GHz     | 5GHz |                   |
| 2   | 3    | ACON                          | AEP6P-100009 (Black)       | PIFA   | I-PEX        | 3.15       | 3.15 | 300               |
|     | 4    |                               | AEP6P-100010 (Gray)        | PIFA   | I-PEX        | 2.30       | 3.15 | 400               |
| 3   | 5    | Walsin Technology Corporation | RFMTA370615IMLB302 (Black) | PIFA   | I-PEX        | 3.10       | 4.32 | 150               |
|     | 6    |                               | RFMTA270710IM5B301 (Gray)  | PIFA   | I-PEX        | -          | 4.26 | 99                |
| 4   | 7    | Walsin Technology Corporation | RFMTA370620IMLB302 (Black) | PIFA   | I-PEX        | 2.39       | 3.91 | 206               |
|     | 8    |                               | RFMTA270718IM5B301 (Gray)  | PIFA   | I-PEX        | -          | 2.89 | 180               |
| 5   | 9    | WNC                           | 81XCBA15.G01(Black)        | PIFA   | I-PEX        | 2.49       | 3.91 | 400               |
|     | 10   |                               | 81XCBA15.G02(Gray)         | PIFA   | I-PEX        | -          | 1.86 | 400               |
| 6   | 11   | WNC                           | 81XCBA15.G03(Black)        | PIFA   | I-PEX        | 1.96       | 2.52 | 300               |
|     | 12   |                               | 81XCBA15.G04(Gray)         | PIFA   | I-PEX        | -          | 4.18 | 250               |

Note 1:

| Dipole Cable | Brand | Model Name            | Cable Length (mm) | Cable Loss (dB) |      | True Gain (dBi) |      |
|--------------|-------|-----------------------|-------------------|-----------------|------|-----------------|------|
|              |       |                       |                   | 2.4GHz / BT     | 5GHz | 2.4GHz / BT     | 5GHz |
| 1            | ACON  | AEC8P-1000000 (Gray)  | 30                | 0.08            | 0.12 | 3.16            | 4.42 |
|              |       | AEC8P-1000001 (Black) |                   |                 |      |                 |      |
| 2            | ACON  | AEC8P-1000002 (Gray)  | 50                | 0.13            | 0.19 | 3.11            | 4.35 |
|              |       | AEC8P-1000003 (Black) |                   |                 |      |                 |      |
| 3            | ACON  | AEC8P-1000004 (Gray)  | 70                | 0.19            | 0.27 | 3.05            | 4.27 |
|              |       | AEC8P-1000005 (Black) |                   |                 |      |                 |      |
| 4            | ACON  | AEC8P-1000006 (Gray)  | 90                | 0.24            | 0.35 | 3.00            | 4.19 |
|              |       | AEC8P-1000007 (Black) |                   |                 |      |                 |      |



| Dipole Cable | Brand | Model Name                                    | Cable Length (mm) | Cable Loss (dB) |      | True Gain (dBi) |      |
|--------------|-------|---|-------------------|-----------------|------|-----------------|------|
|              |       |   |                   | 2.4GHz / BT     | 5GHz | 2.4GHz / BT     | 5GHz |
| 5            | ACON  | AEC8P-1000008 (Gray)<br>AEC8P-1000009 (Black) | 120               | 0.32            | 0.46 | 2.92            | 4.08 |
| 6            | ACON  | AEC8P-1000010 (Gray)<br>AEC8P-1000011 (Black) | 160               | 0.43            | 0.62 | 2.81            | 3.92 |
| 7            | ACON  | AEC8P-1000012 (Gray)<br>AEC8P-1000013 (Black) | 200               | 0.54            | 0.77 | 2.70            | 3.77 |
| 8            | ACON  | AEC8P-1000014 (Gray)<br>AEC8P-1000015 (Black) | 240               | 0.64            | 0.93 | 2.60            | 3.61 |
| 9            | ACON  | AEC8P-1000016 (Gray)<br>AEC8P-1000017 (Black) | 280               | 0.75            | 1.08 | 2.49            | 3.46 |
| 10           | ACON  | AEC8P-1000018 (Gray)<br>AEC8P-1000019 (Black) | 320               | 0.86            | 1.24 | 2.38            | 3.30 |
| 11           | ACON  | AEC8P-1000020 (Gray)<br>AEC8P-1000021 (Black) | 360               | 0.96            | 1.39 | 2.28            | 3.15 |
| 12           | ACON  | AEC8P-1000022 (Gray)<br>AEC8P-1000023 (Black) | 400               | 1.07            | 1.54 | 2.17            | 3.00 |
| 13           | ACON  | AEC8P-1000024 (Gray)<br>AEC8P-1000025 (Black) | 450               | 1.21            | 1.74 | 2.03            | 2.80 |
| 14           | ACON  | AEC8P-1000026 (Gray)<br>AEC8P-1000027 (Black) | 500               | 1.34            | 1.93 | 1.90            | 2.61 |

Note 2: 1. The EUT has two radios.

Radio 1 supports WLAN 2.4GHz, WLAN 5GHz and Bluetooth function, Radio 2 supports WLAN 5GHz function only.

Radio 1 collocate with Black antenna cable, Radio 2 collocate with Gray antenna cable.

2. The EUT has two type antennas, and there are two antennas for each set.

Dipole Antenna collocate with 14 set cable selling, only the higher gain antenna “cable 1” was tested and recorded in the report.

PIFA Antenna collocate with 5 set selling, the higher gain antennas “set 2 for 2.4GHz and set 3 for 5GHz for CTX, set 3 for Normal Link” were tested and recorded in the report.

**For Radio 1 (WLAN 2.4GHz, WLAN 5GHz and Bluetooth):**

**For IEEE 802.11a/b/g/n/ac mode (1TX/1RX):**

Dipole Antenna: Only Ant. 1 (Port 1) can be used as transmitting/receiving antenna.

PIFA Antenna: Only Ant. 3 (Port 1) can be used as transmitting/receiving antenna.



**For Radio 2 (WLAN 5GHz):**

**For IEEE 802.11a/n/ac mode (1TX/1RX):**

Dipole Antenna: Only Ant. 2 (Port 1) can be used as transmitting/receiving antenna.

PIFA Antenna: Only Ant. 6 (Port 1) can be used as transmitting/receiving antenna.

**1.1.3 EUT Operational Condition**

|                              |                  |
|------------------------------|------------------|
| <b>EUT Power Type</b>        | From host system |
| <b>Test Software Version</b> | telnet           |

**1.1.4 Table for Class II Change**

This product is an extension of original one reported under Sporton project number: FR770523-01AC

Below is the table for the change of the product with respect to the original one.

| <b>Modifications</b>                    | <b>Performance Checking</b>                              |
|---|--|
| Adding 4 set antennas for PIFA antenna. | Emissions in Restricted Frequency Bands below 1GHz test. |





### 1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ◆ 47 CFR FCC Part 15
- ◆ FCC Public Notice DA 00-705

### 1.3 Testing Location Information

| Testing Location                    |        |   |
|-------------------------------------|--------|---|
| <input type="checkbox"/>            | HWA YA | ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.<br>TEL : 886-3-327-3456 FAX : 886-3-318-0055   |
| <input checked="" type="checkbox"/> | JHUBEI | ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.<br>TEL : 886-3-656-9065 FAX : 886-3-656-9085 |

| Test Condition | Test Site No. | Test Engineer                      | Test Environment | Test Date     |
|----------------|---------------|------------------------------------|------------------|---------------|
| Radiated       | 03CH01-CB     | Joy Tseng, Lance Hsieh, Ekko Hsieh | 22°C / 54%       | Apr. 19, 2018 |

Test site Designation No. TW0006 with FCC.  
Test site registered number IC 4086D with Industry Canada.

### 1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

| Test Items                           | Uncertainty | Remark                   |
|--------------------------------------|-------------|--------------------------|
| Radiated Emission (30MHz ~ 1,000MHz) | 3.6 dB      | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests   |   |
|---|---|
| Tests Item  | Emissions in Restricted Frequency Bands   |
| Test Condition  | Radiated measurement<br>If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. |
| Operating Mode < 1GHz   | Normal Link   |
| According to the original test report, EUT in Z axis AP Mode - Radio 1 (2.4GHz+Bluetooth)+ Radio 2 (5GHz) has been evaluated to be the worst case. So the measurement will follow this same test configuration. |   |
| 1   | EUT in Z axis AP Mode - Radio 1 (2.4GHz+Bluetooth)+ Radio 2 (5GHz) with PIFA antenna set 3  |

| The Worst Case Mode for Following Conformance Tests                                   |   |
|---|---|
| Tests Item  | Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation |
| Operating Mode  |   |
| 1   | Radio 1 (2.4GHz + Bluetooth) + Radio 2 (5GHz)                           |
| 2   | Radio 1 (5GHz + Bluetooth) + Radio 2 (5GHz)                             |
| Refer to Sporton Test Report No.: FA770523-03 for Co-location RF Exposure Evaluation. |   |

### 2.2 EUT Operation during Test

During the test, the EUT operation to normal function.

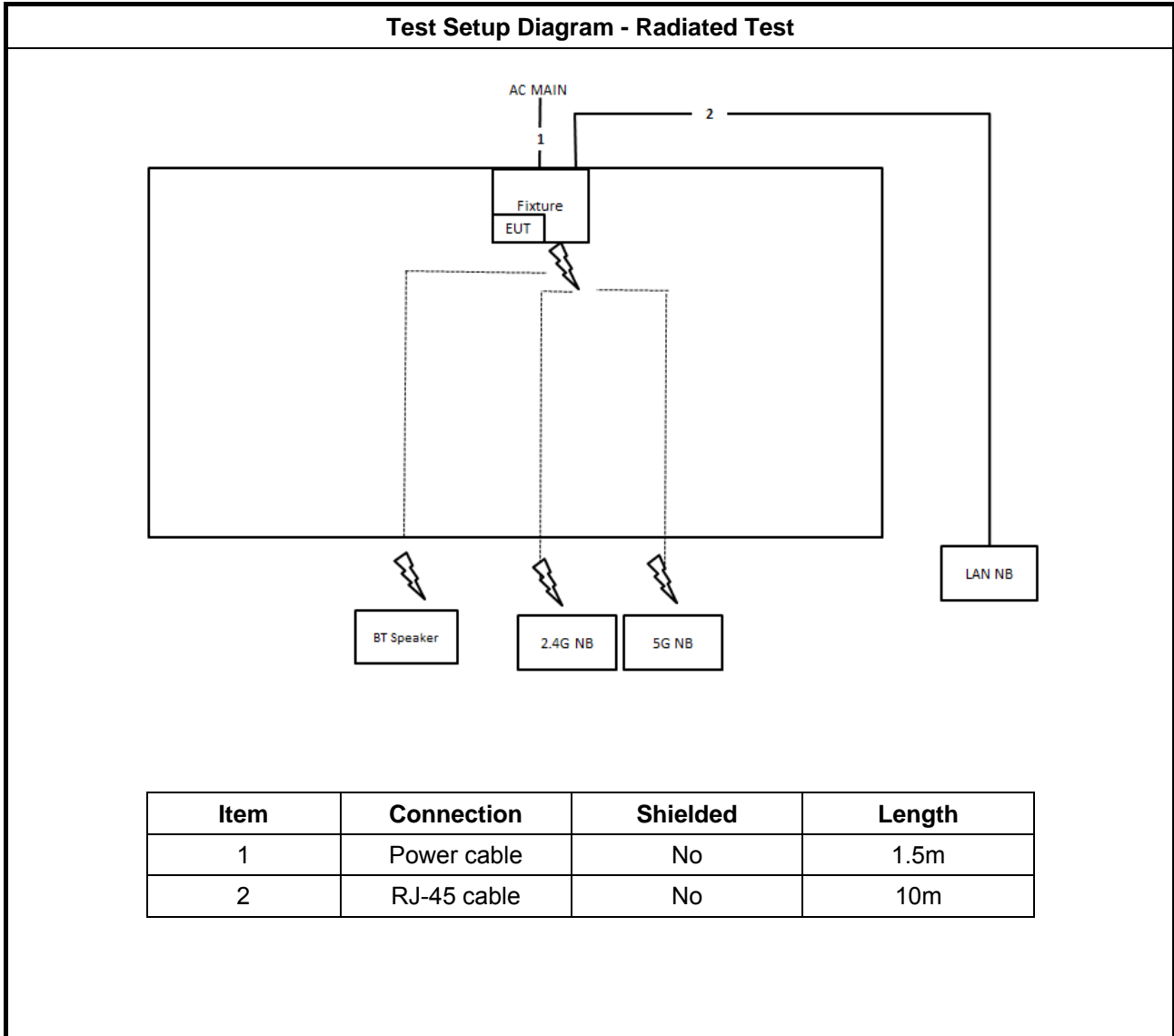
### 2.3 Accessories

N/A

### 2.4 Support Equipment

| Support Equipment |                   |            |                      |        |
|-------------------|-------------------|------------|----------------------|--------|
| No.               | Equipment         | Brand Name | Model Name           | FCC ID |
| 1                 | NB                | DELL       | E4300                | DoC    |
| 2                 | NB*2              | Apple      | Mac Book             | DoC    |
| 3                 | Bluetooth Speaker | MARUS      | MSK06C-RD            | DoC    |
| 4                 | Fixture           | Arcadyan   | WN9711BTAAC Test jig | N/A    |

## 2.5 Test Setup Diagram





### 3 Transmitter Test Result

#### 3.1 Emissions in Restricted Frequency Bands

##### 3.1.1 Emissions in Restricted Frequency Bands Limit

| Restricted Band Emissions Limit |                       |                         |                      |
|---------------------------------|-----------------------|-------------------------|----------------------|
| Frequency Range (MHz)           | Field Strength (uV/m) | Field Strength (dBuV/m) | Measure Distance (m) |
| 0.009~0.490                     | 2400/F(kHz)           | 48.5 - 13.8             | 300                  |
| 0.490~1.705                     | 24000/F(kHz)          | 33.8 - 23               | 30                   |
| 1.705~30.0                      | 30                    | 29                      | 30                   |
| 30~88                           | 100                   | 40                      | 3                    |
| 88~216                          | 150                   | 43.5                    | 3                    |
| 216~960                         | 200                   | 46                      | 3                    |
| Above 960                       | 500                   | 54                      | 3                    |

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

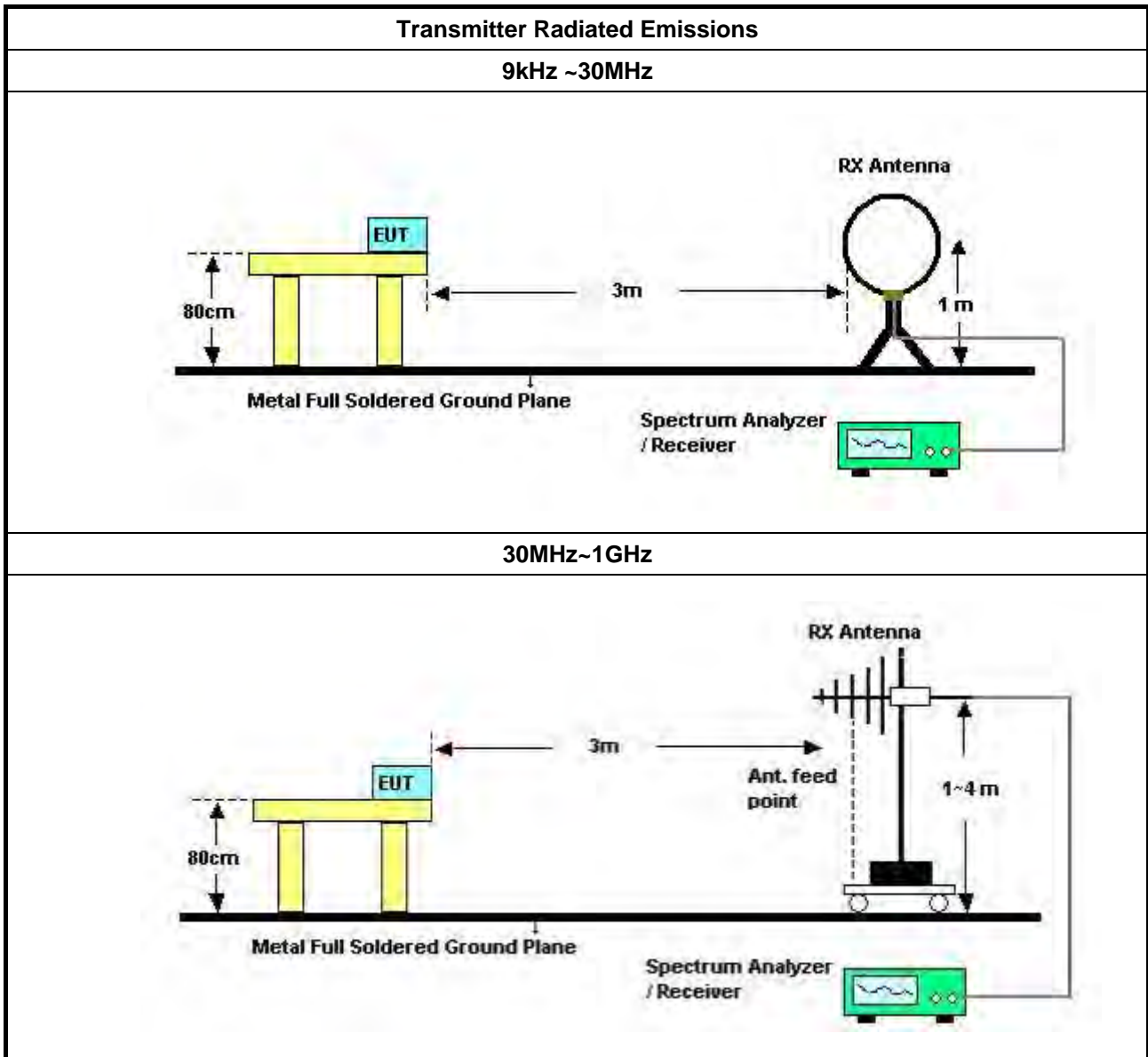
##### 3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

##### 3.1.3 Test Procedures

| Test Method |  |
|-------------|--|
|             | ▪ The average emission levels shall be measured in [hopping duty factor].  |
|             | ▪ Refer as ANSI C63.10; clause 6.9.2.2 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. |
|             | ▪ For the transmitter unwanted emissions shall be measured using following options below:  |
|             | ▪ Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.   |
|             | ▪ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.   |
|             | ▪ Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.  |

### 3.1.4 Test Setup



### 3.1.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

### 3.1.6 Transmitter Radiated Unwanted Emissions

Refer as Appendix B

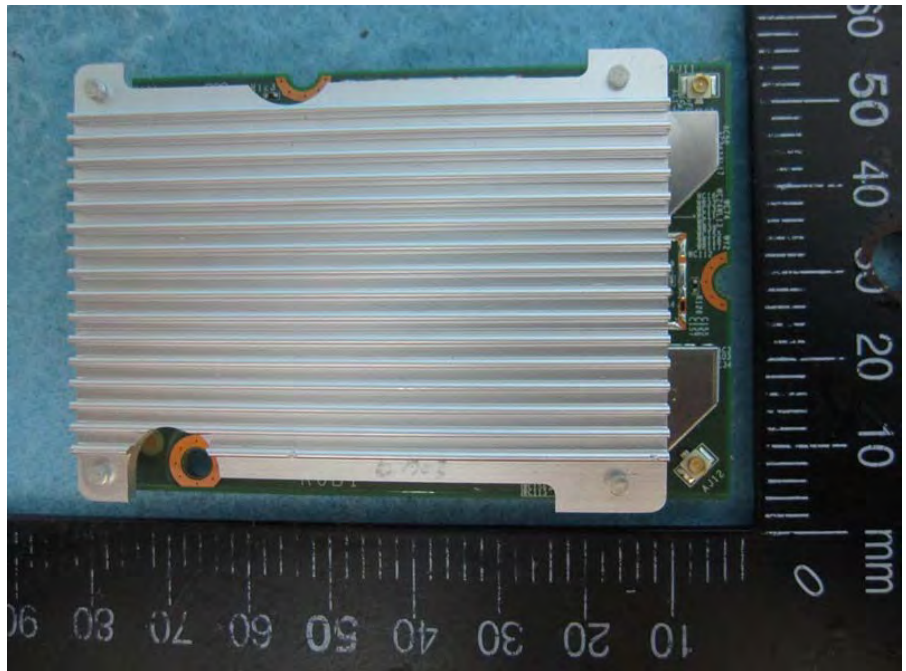
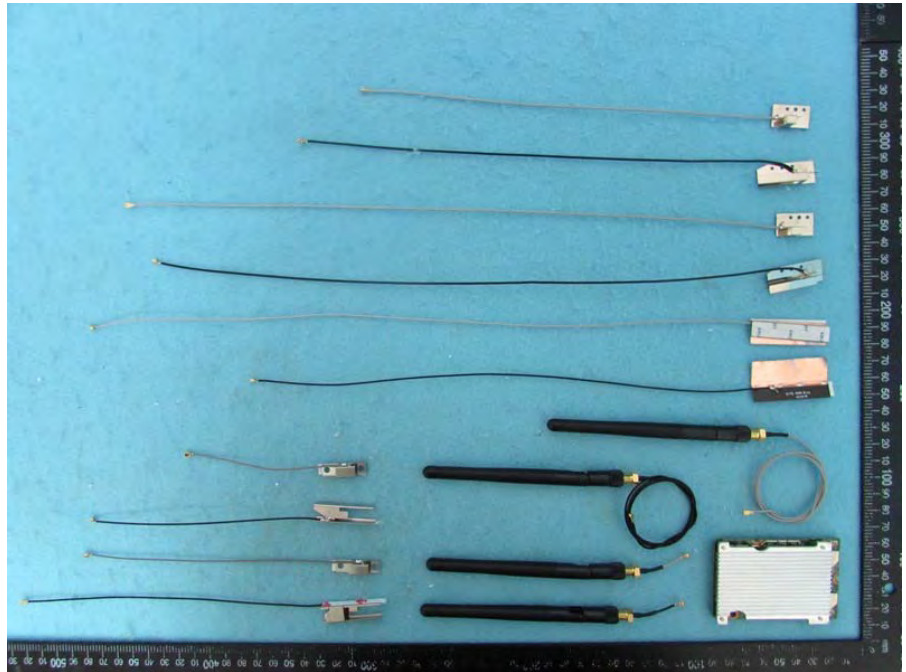


## 4 Test Equipment and Calibration Data

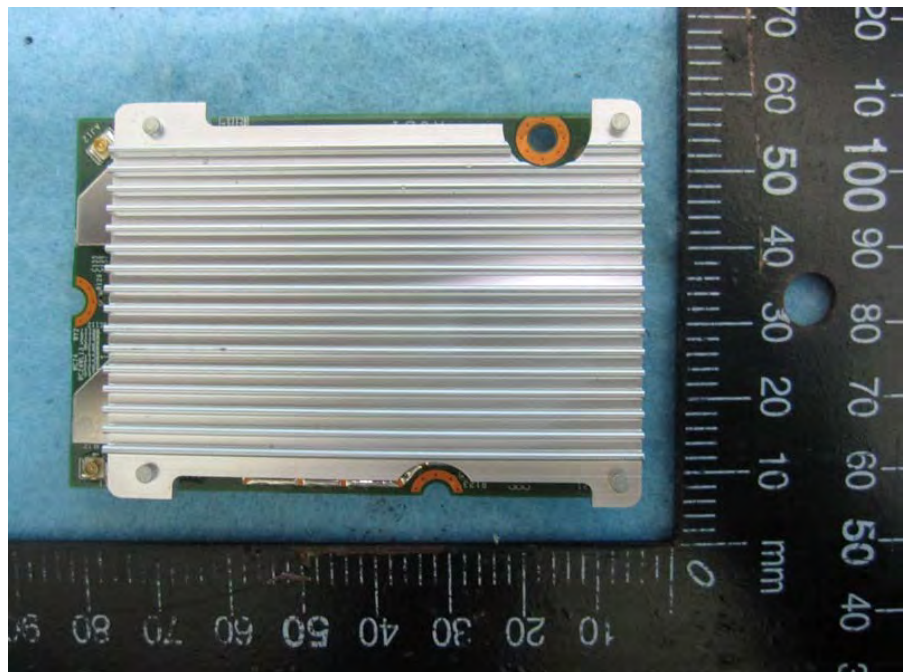
| Instrument                              | Manufacturer    | Model No.            | Serial No.          | Characteristics | Calibration Date | Calibration Due Date | Remark                   |
|---|-----------------|----------------------|---------------------|-----------------|------------------|----------------------|--------------------------|
| Loop Antenna                            | Teseq           | HLA 6120             | 24155               | 9kHz - 30 MHz   | Mar. 16, 2018    | Mar. 15, 2019        | Radiation<br>(03CH01-CB) |
| BILOG<br>ANTENNA with<br>6dB Attenuator | TESEQ &<br>EMCI | CBL6112D &<br>N-6-06 | 37880 &<br>AT-N0609 | 20MHz ~ 2GHz    | Aug. 30, 2017    | Aug. 29, 2018        | Radiation<br>(03CH01-CB) |
| Pre-Amplifier                           | EMCI            | EMC330N              | 980332              | 20MHz ~ 3GHz    | May 02, 2017     | May 01, 2018         | Radiation<br>(03CH01-CB) |
| Spectrum<br>Analyzer                    | R&S             | FSP40                | 100056              | 9kHz ~ 40GHz    | Nov. 23, 2017    | Nov. 22, 2018        | Radiation<br>(03CH01-CB) |
| EMI Test                                | R&S             | ESCS                 | 100355              | 9kHz ~ 2.75GHz  | May 06, 2017     | May 05, 2018         | Radiation<br>(03CH01-CB) |
| RF Cable-low                            | Woken           | Low<br>Cable-16+17   | N/A                 | 30 MHz ~ 1 GHz  | Oct. 11, 2017    | Oct. 10, 2018        | Radiation<br>(03CH01-CB) |

Note: Calibration Interval of instruments listed above is one year.

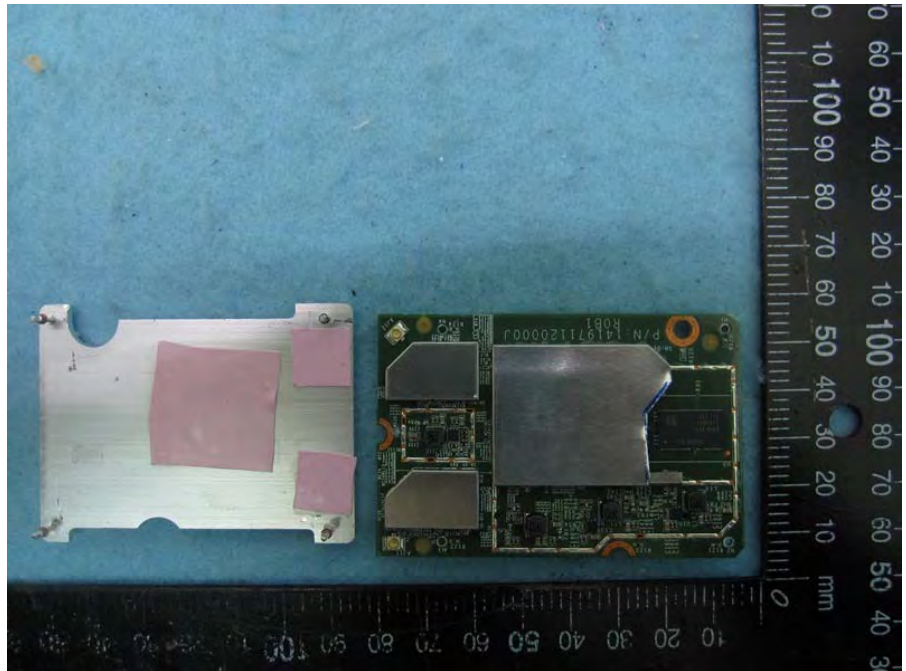
Brand Name: Arcadyan Model Name: WN9711BTAAC-YA

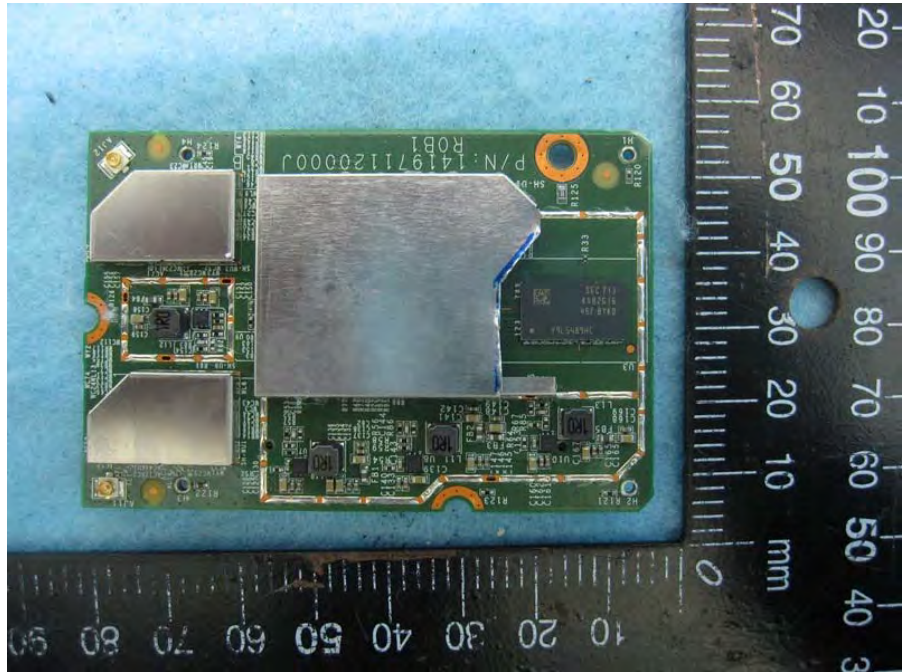




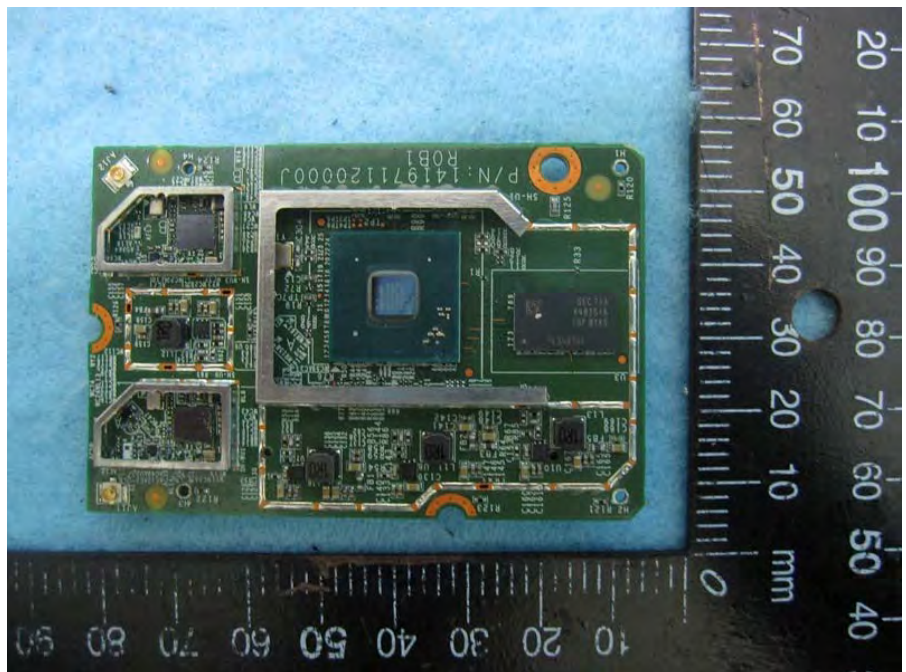
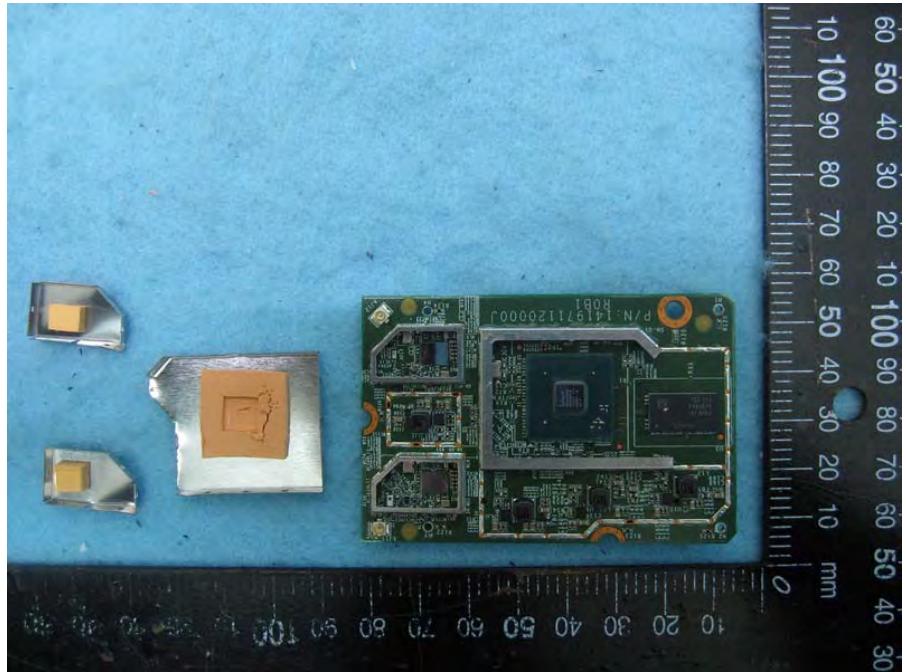






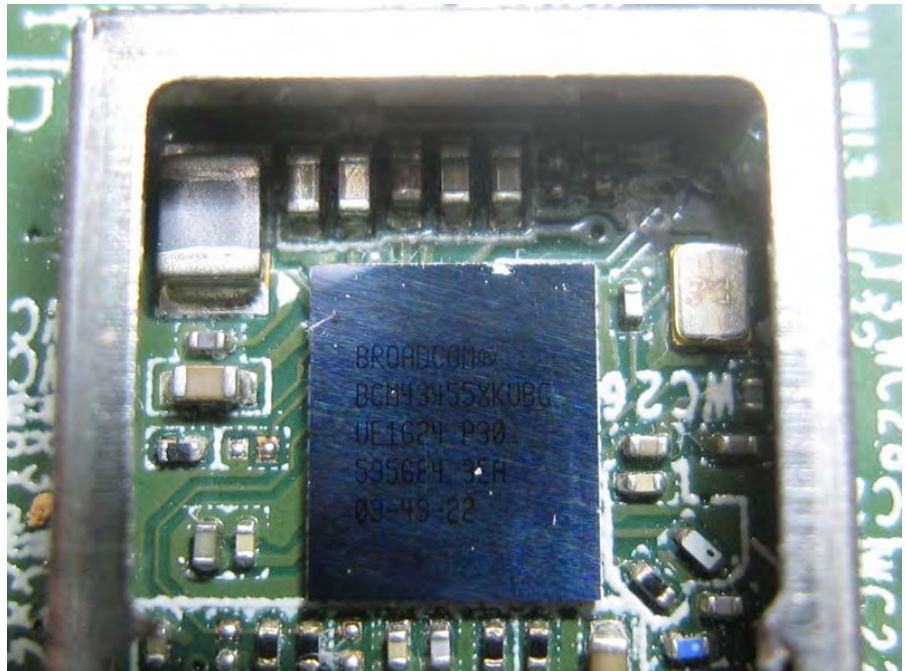
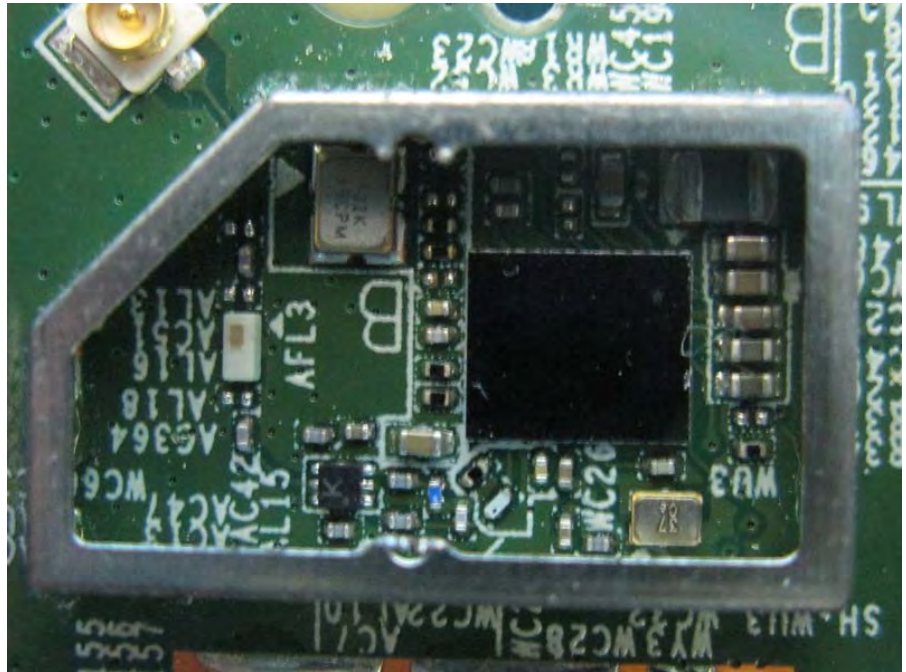


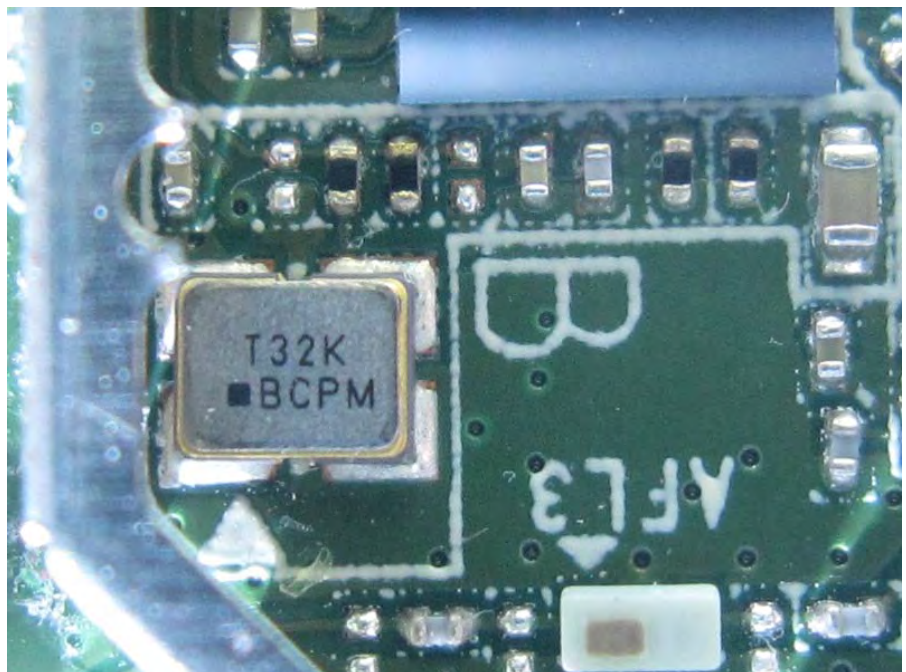
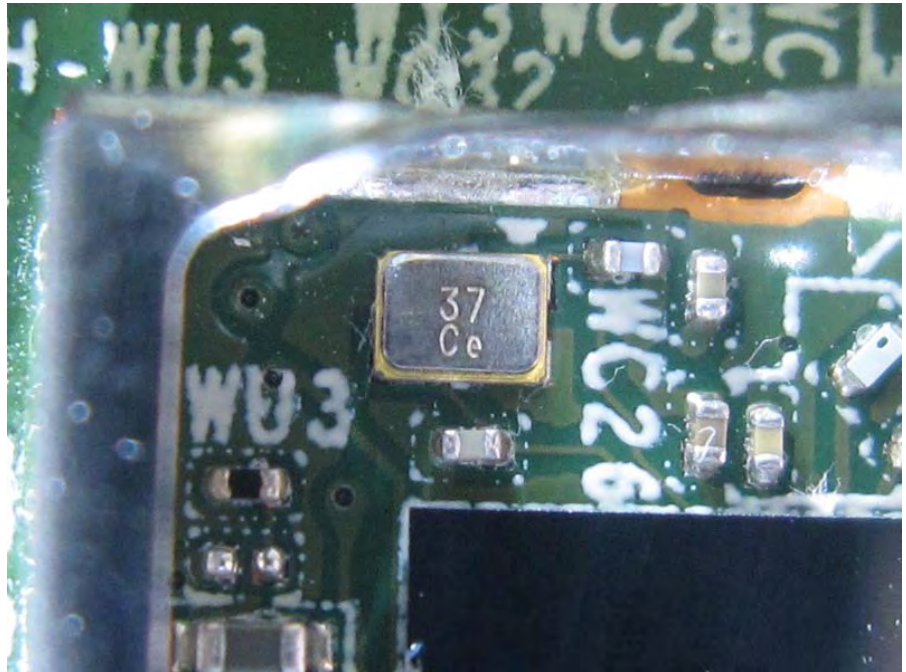




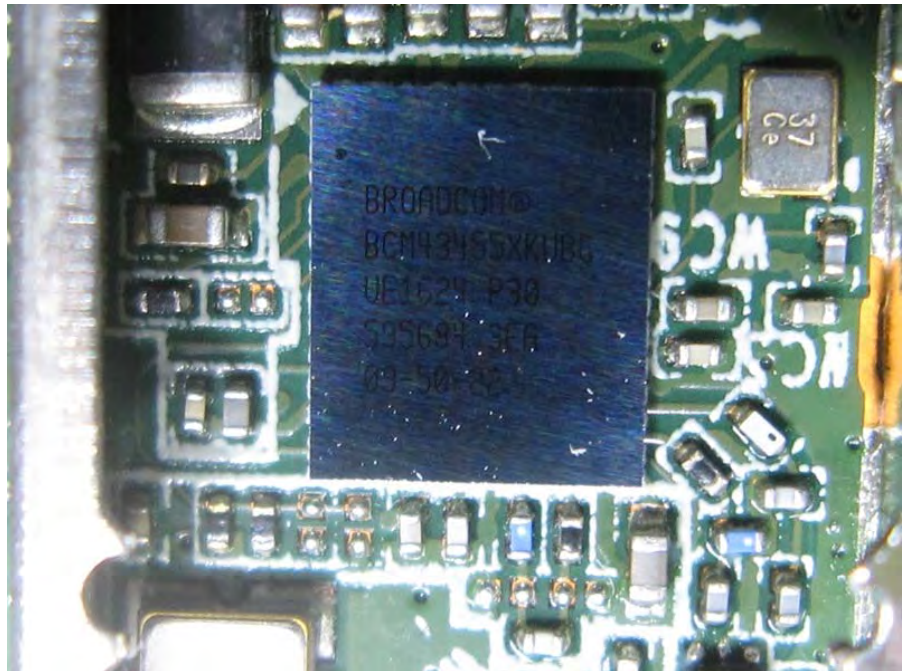
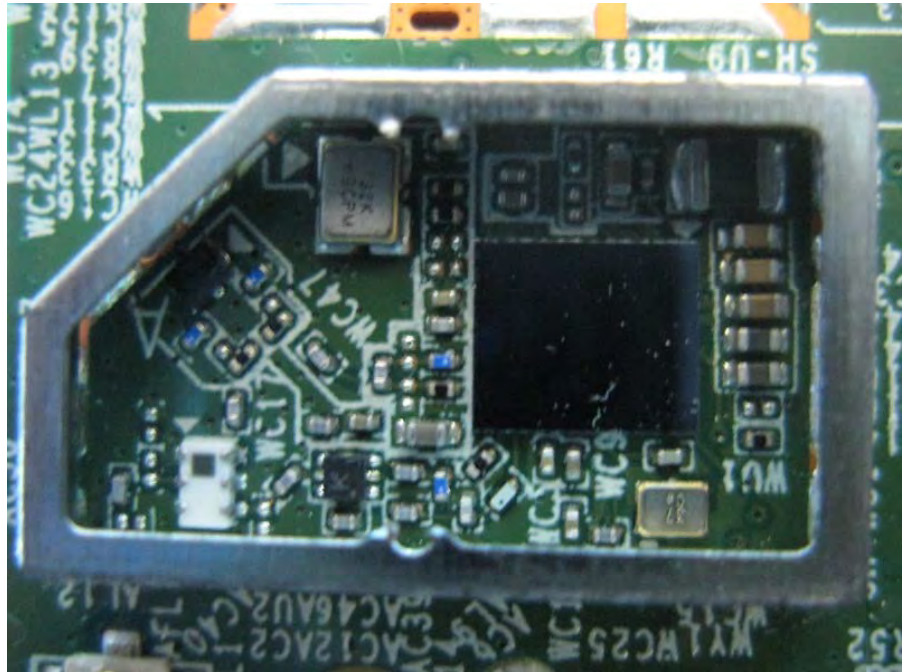


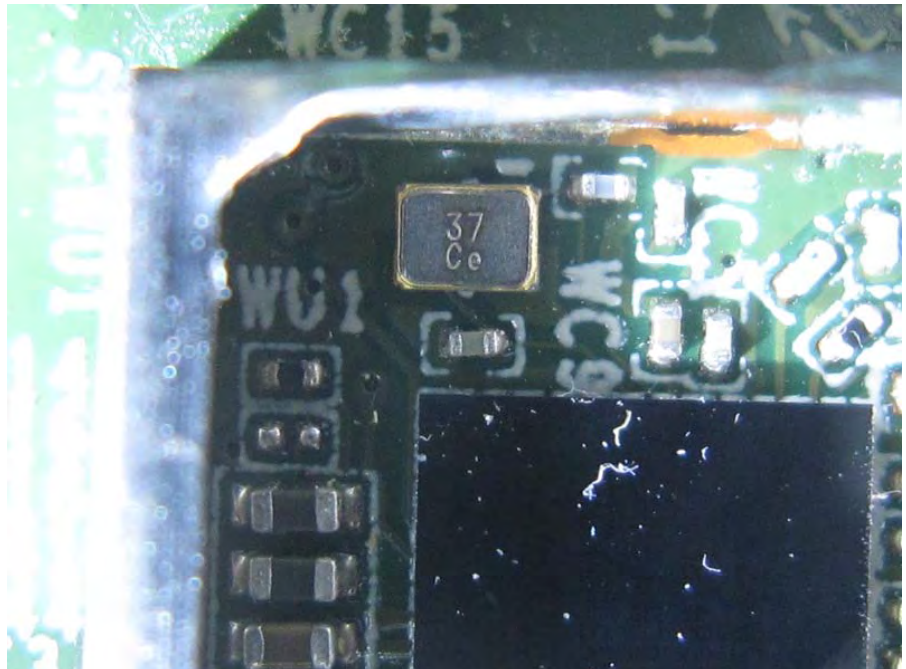




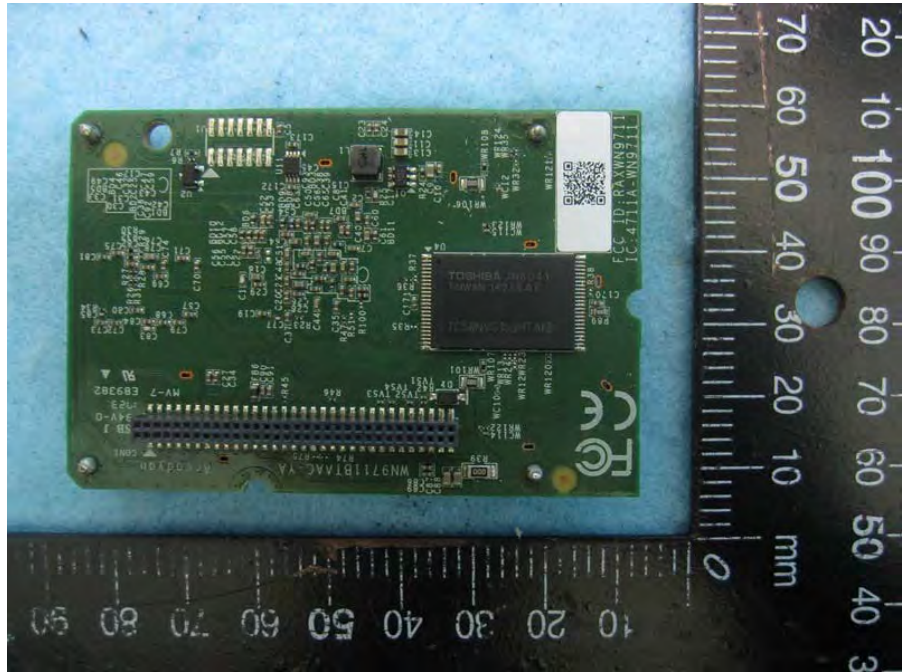












Dipole Antenna  
Cable length: 500mm







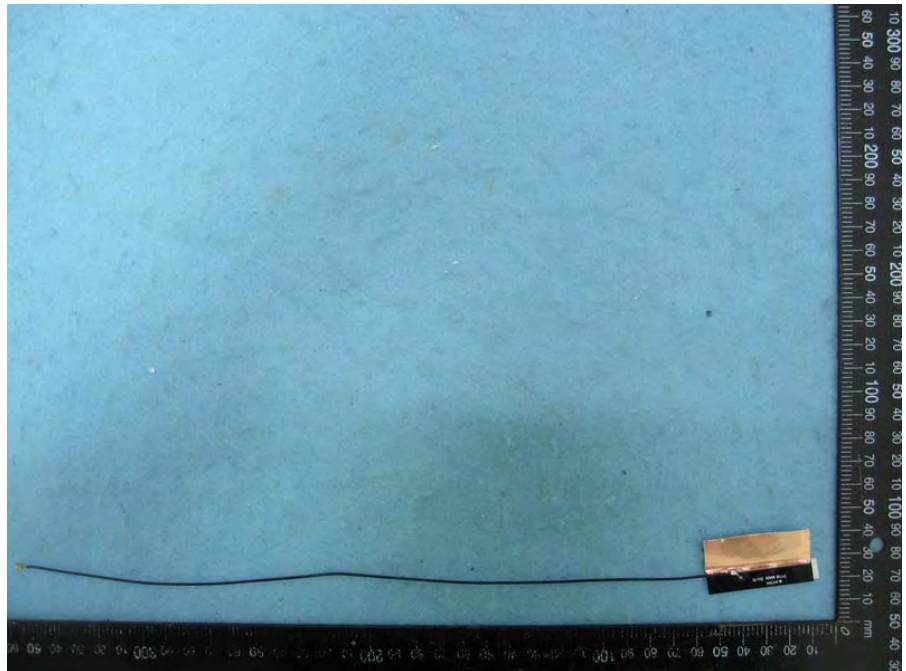
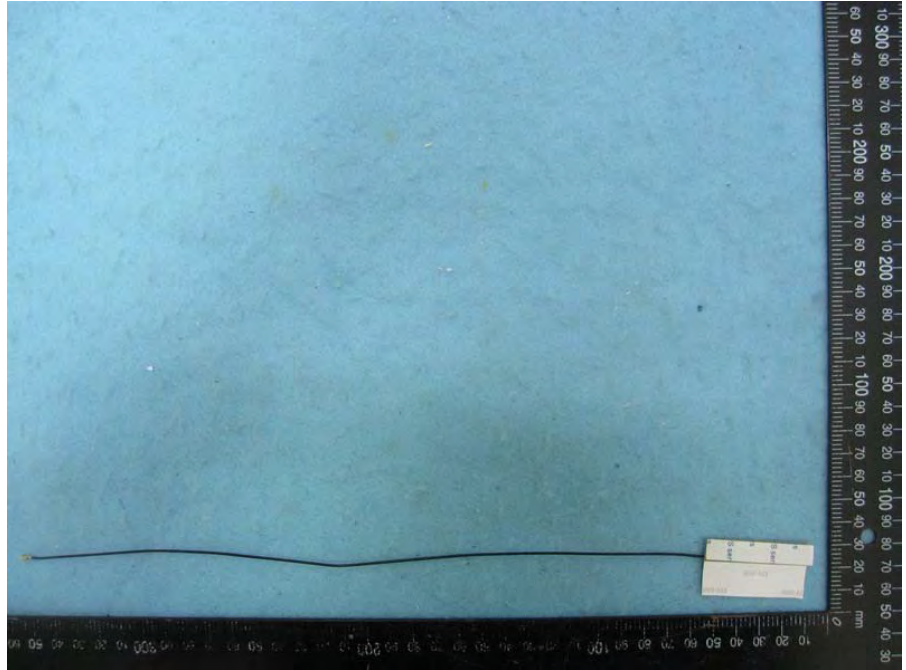
Dipole Antenna  
Cable length: 30mm

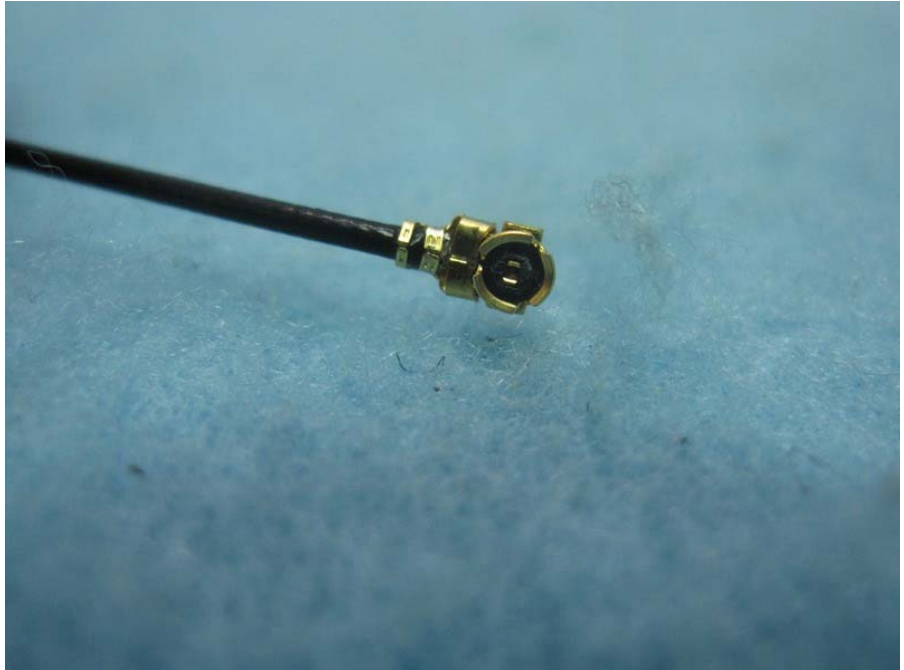




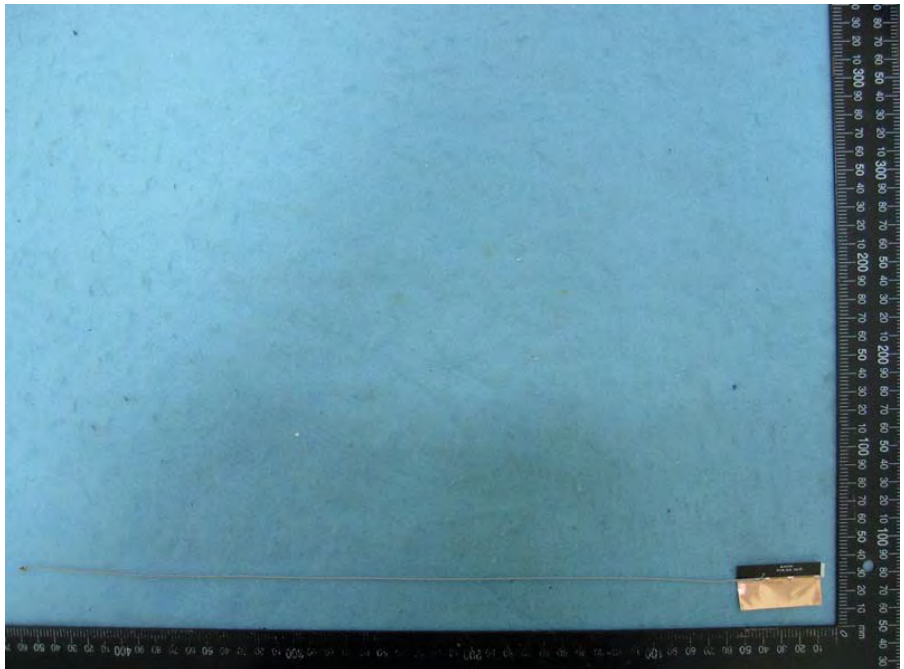


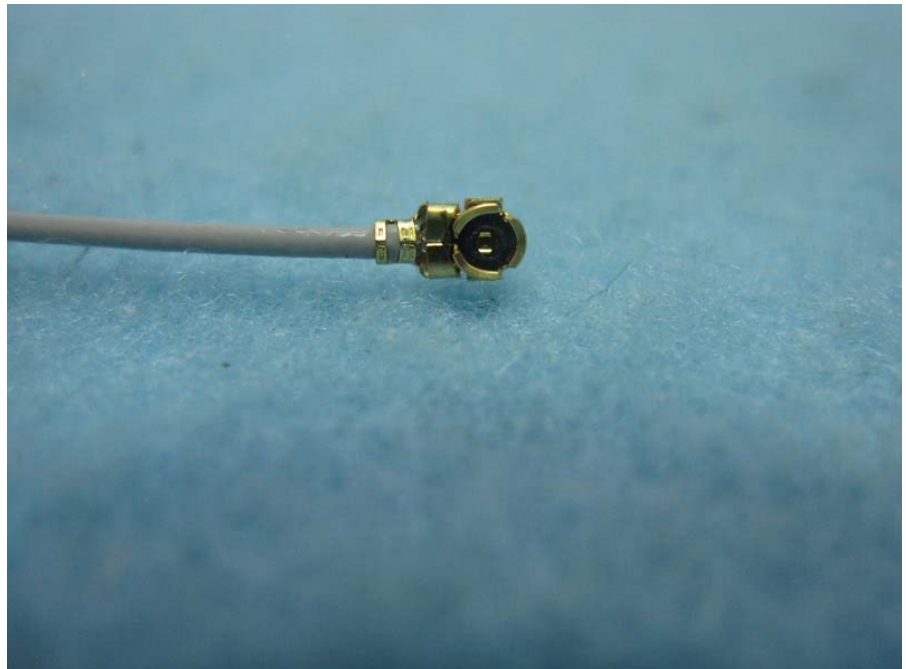
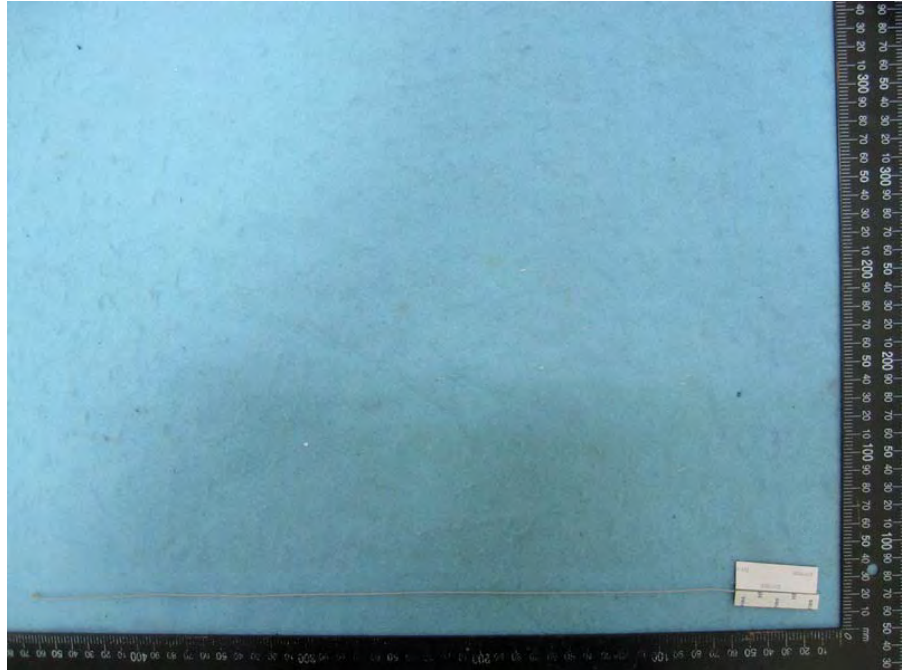
PIFA Antenna  
Cable length: 300mm





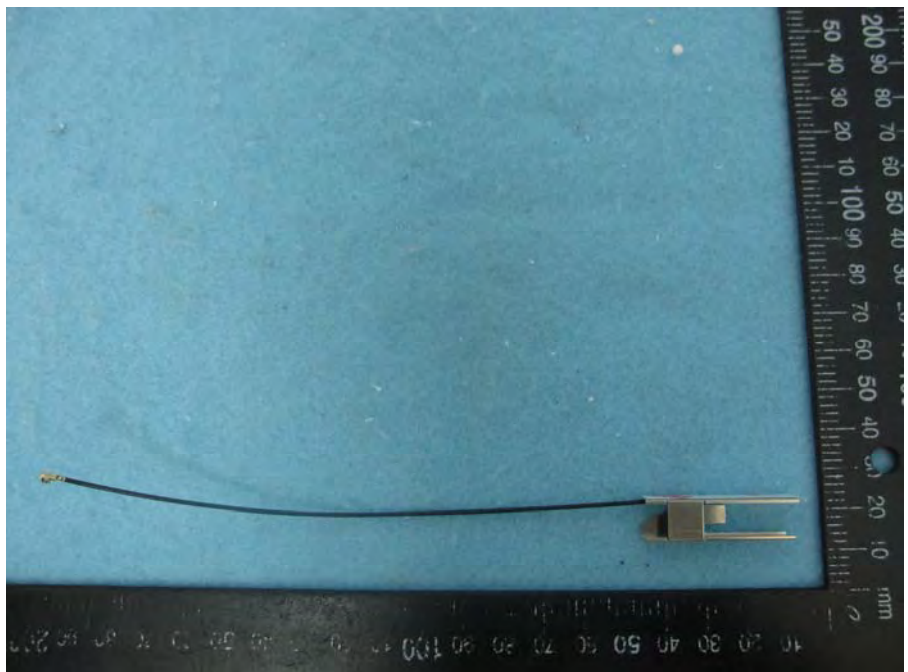
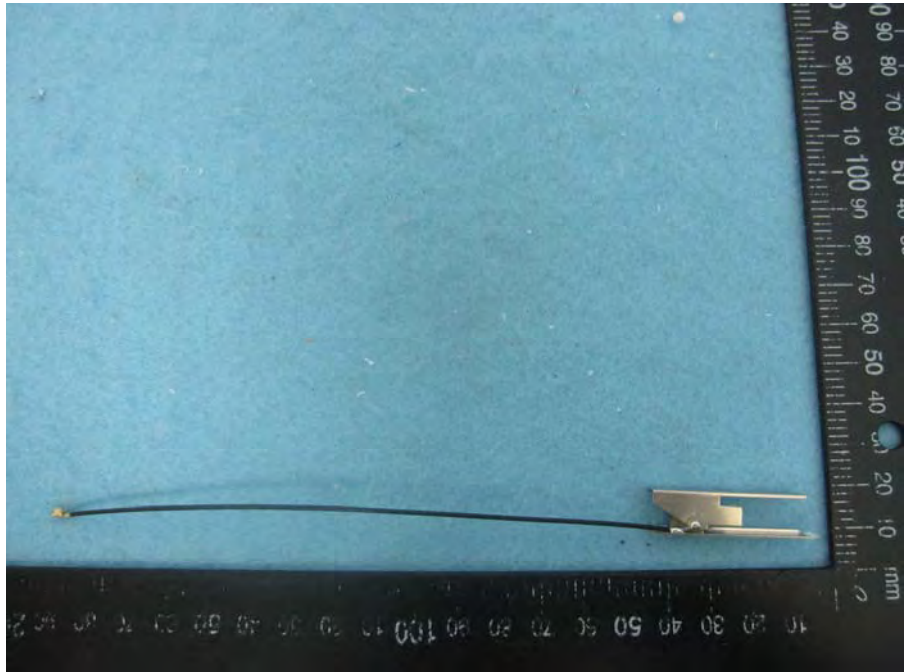
PIFA Antenna  
Cable length: 400mm





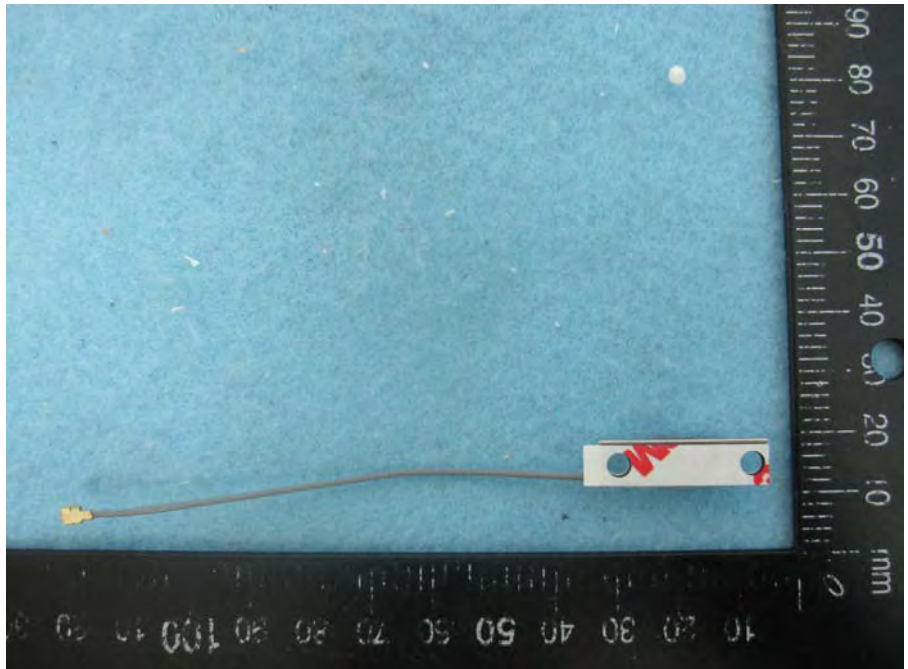


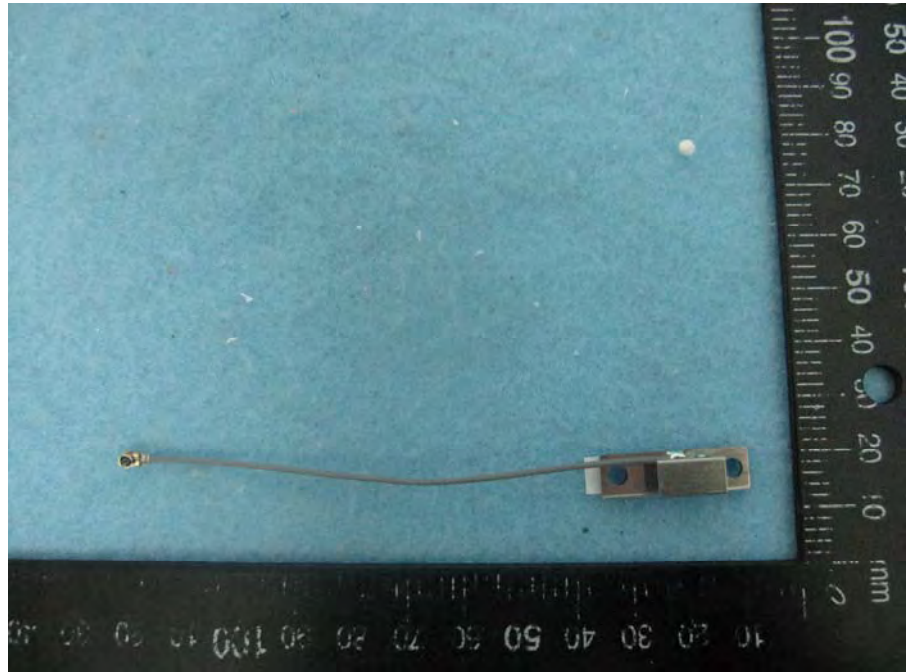
PIFA Antenna  
Cable length: 150mm





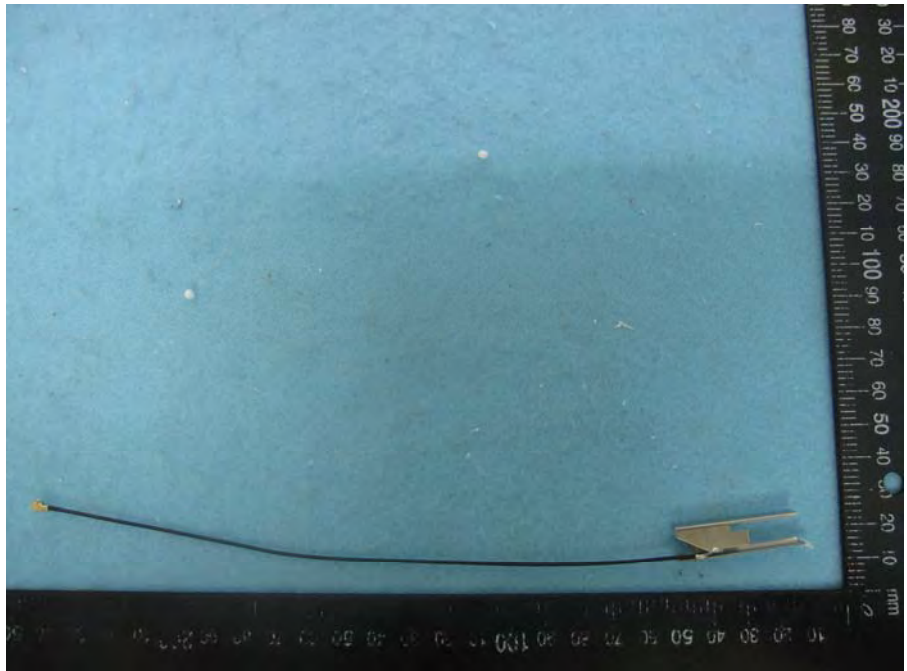
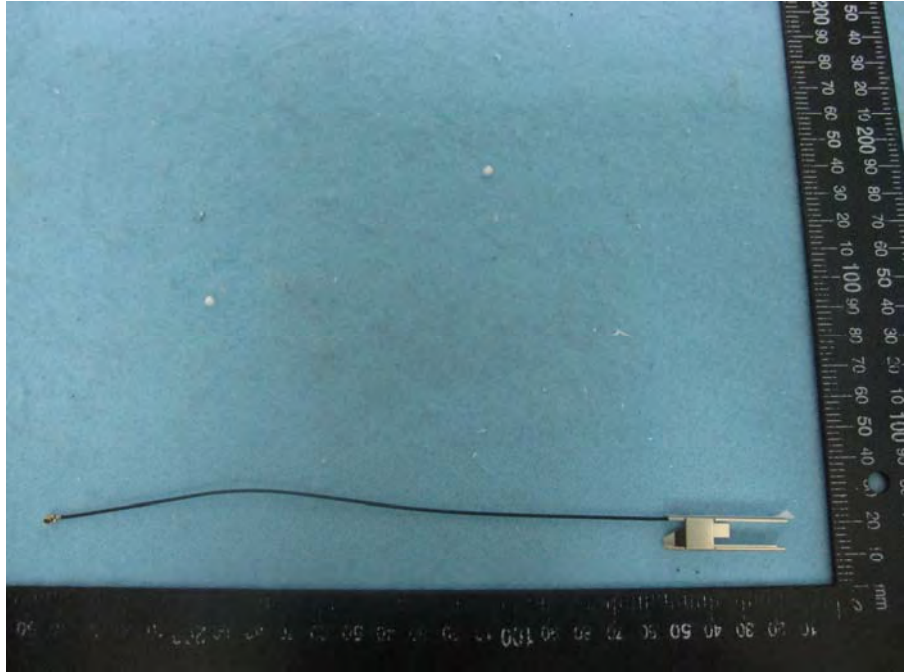
PIFA Antenna  
Cable length: 99mm





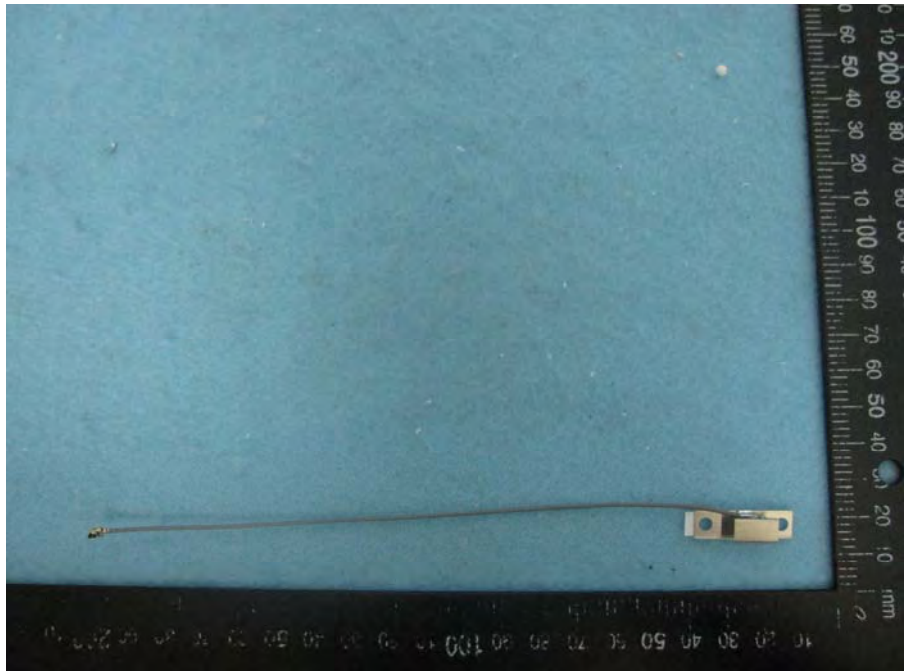


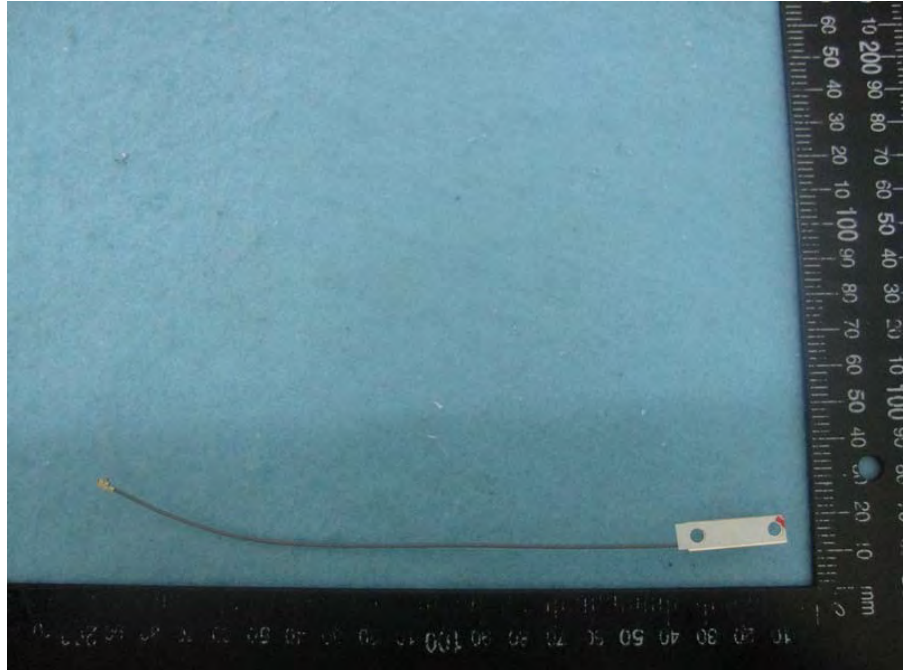
PIFA Antenna  
Cable length: 206mm





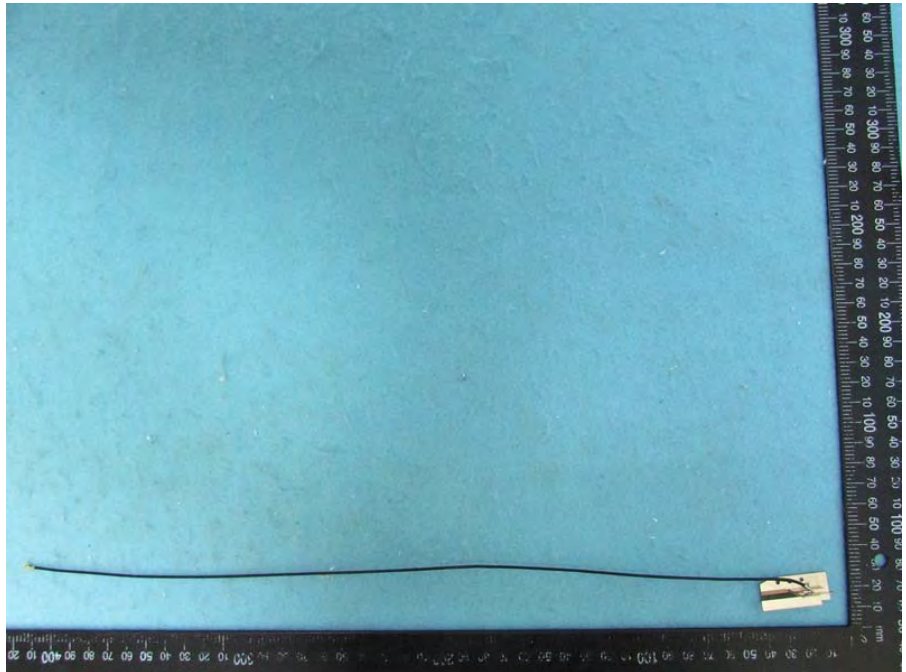
PIFA Antenna  
Cable length: 180mm







PIFA Antenna  
Cable length: 400mm





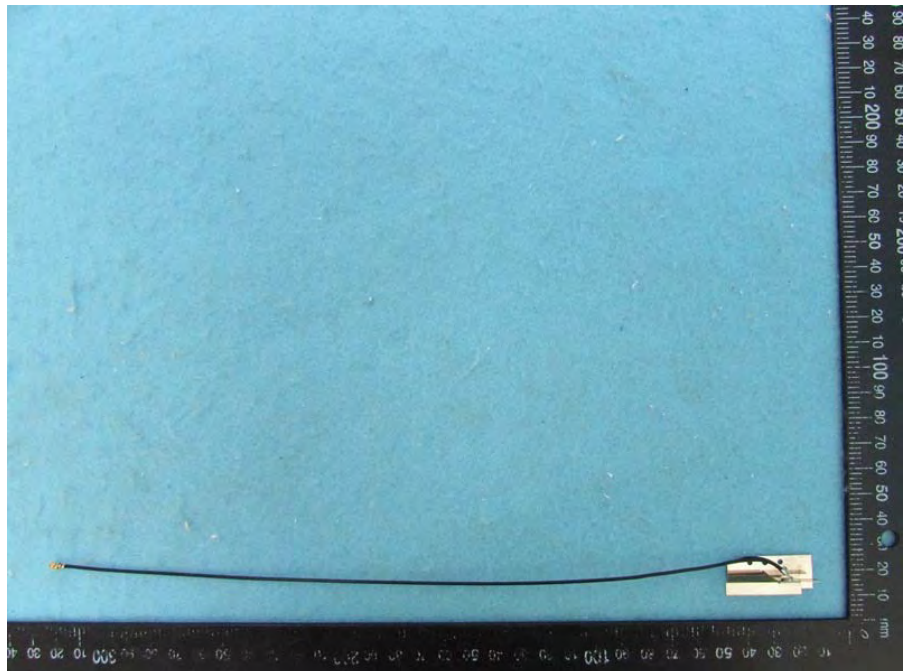
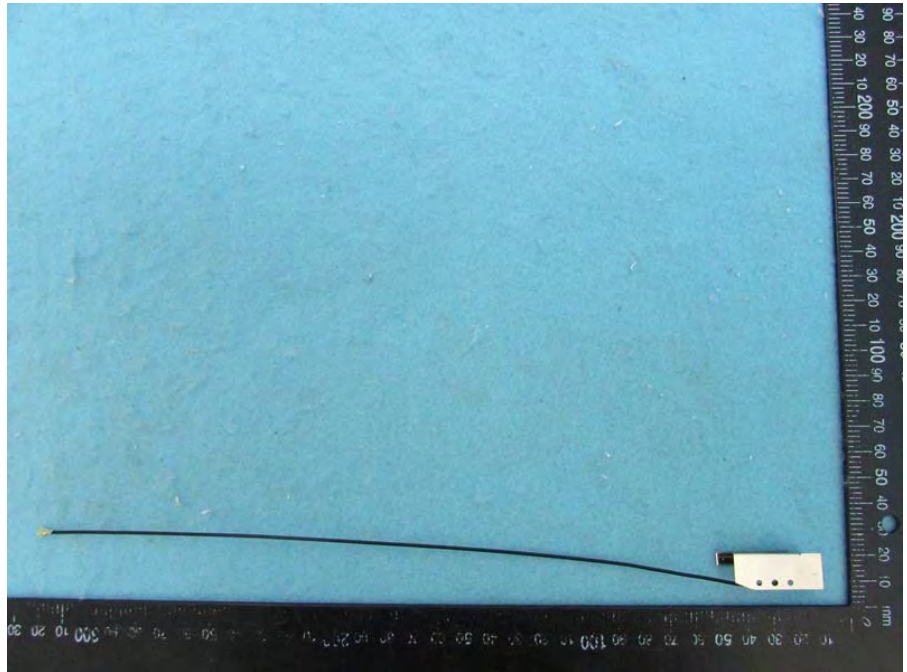
PIFA Antenna  
Cable length: 400mm







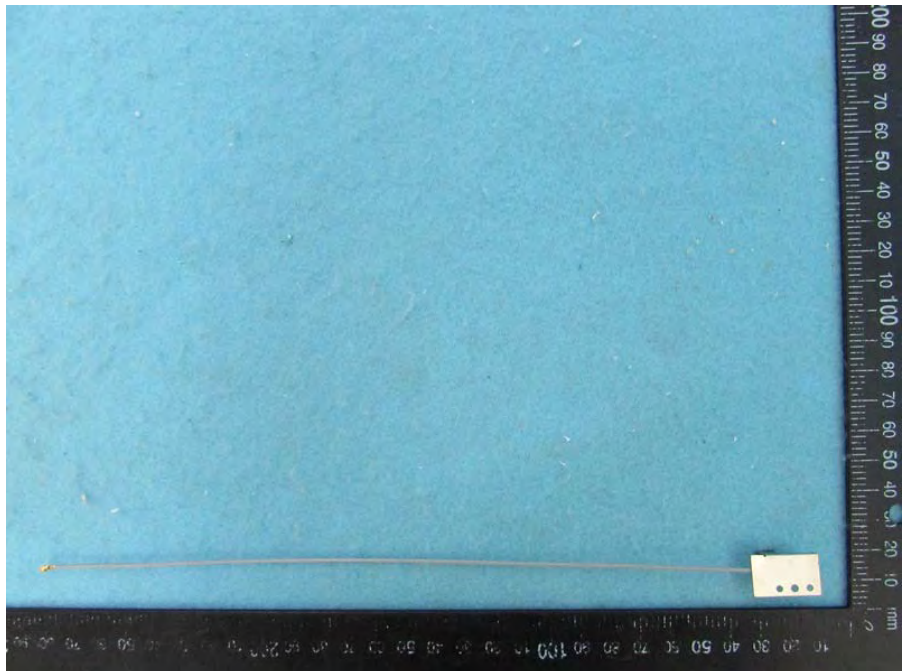
PIFA Antenna  
Cable length: 300mm

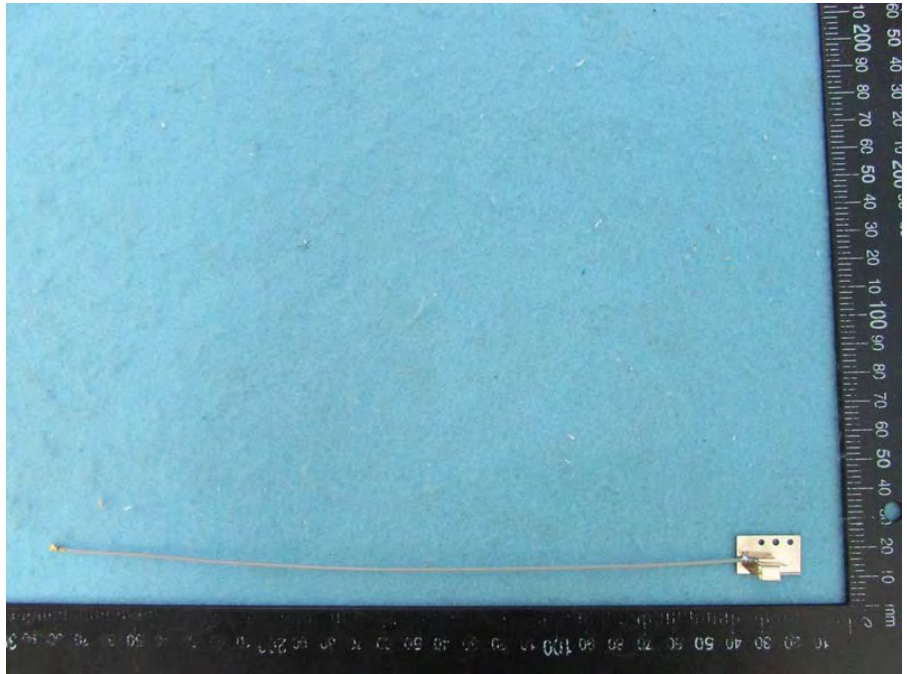






PIFA Antenna  
Cable length: 250mm

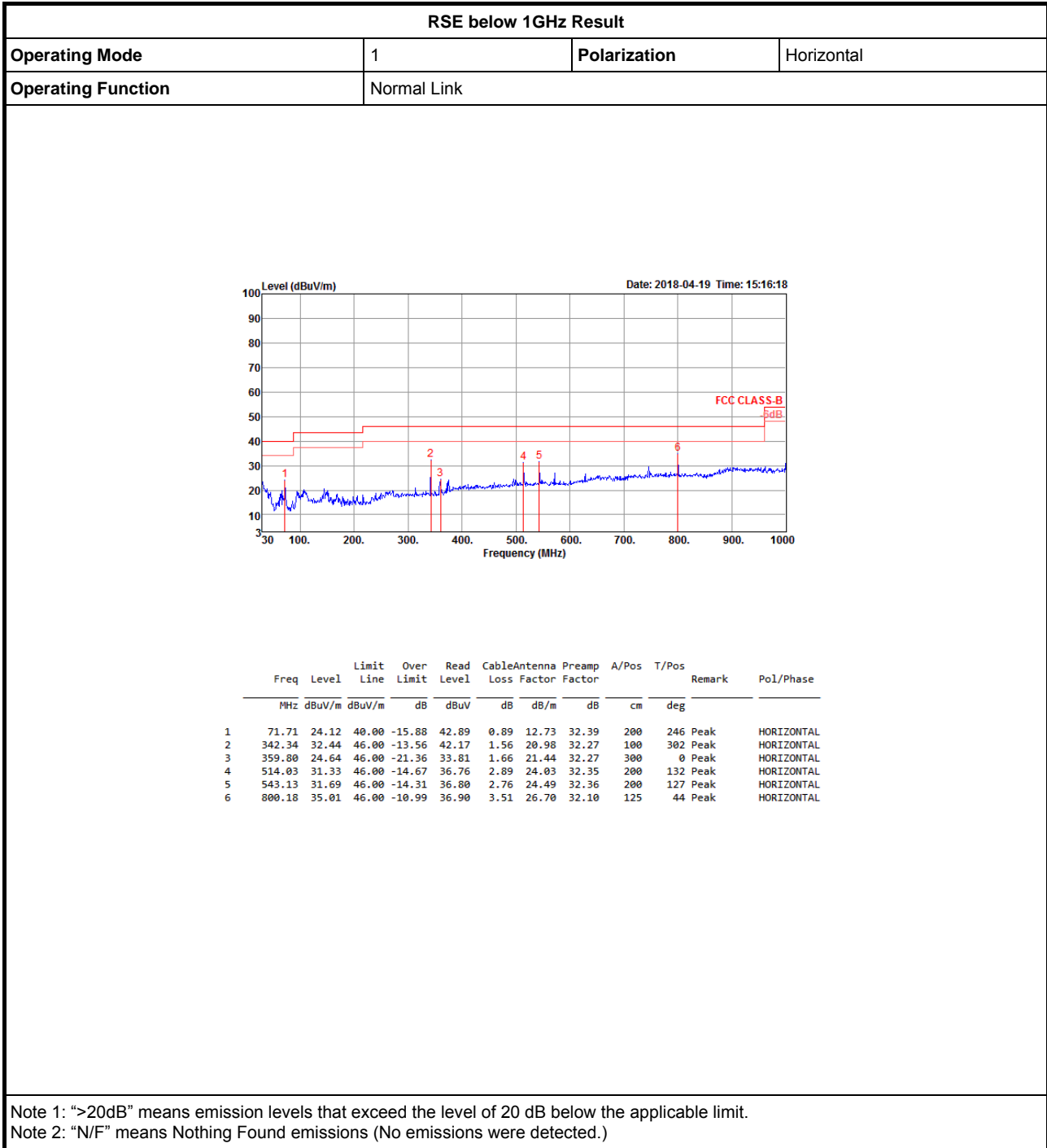








# RSE below 1GHz Result





# RSE below 1GHz Result

| RSE below 1GHz Result   |             |              |          |        |       |              |        |       |       |              |           |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
|---|-------------|--------------|----------|--------|-------|--------------|--------|-------|-------|--------------|-----------|-------|-------|--------|-----------|--|-----|--------|--------|----|------|----|------|----|----|-----|--|---|-------|-------|-------|--------|-------|------|-------|-------|-----|----------|----------|---|-------|-------|-------|-------|-------|------|-------|-------|-----|---------|----------|---|-------|-------|-------|-------|-------|------|-------|-------|-----|---------|----------|---|-------|-------|-------|-------|-------|------|-------|-------|-----|----------|----------|---|-------|-------|-------|--------|-------|------|-------|-------|-----|---------|----------|---|--------|-------|-------|--------|-------|------|-------|-------|-----|----------|----------|
| Operating Mode  | 1           | Polarization | Vertical |        |       |              |        |       |       |              |           |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
| Operating Function  | Normal Link |              |          |        |       |              |        |       |       |              |           |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
| <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <p style="font-size: small;">Date: 2018-04-19 Time: 15:15:52</p> </div> </div>  |             |              |          |        |       |              |        |       |       |              |           |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
| <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Over</th> <th>Read</th> <th>CableAntenna</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phase</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>38.73</td> <td>29.83</td> <td>40.00</td> <td>-10.17</td> <td>40.62</td> <td>1.12</td> <td>20.51</td> <td>32.42</td> <td>100</td> <td>325 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>44.55</td> <td>31.52</td> <td>40.00</td> <td>-8.48</td> <td>45.33</td> <td>1.36</td> <td>17.25</td> <td>32.42</td> <td>100</td> <td>77 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>3</td> <td>65.89</td> <td>33.01</td> <td>40.00</td> <td>-6.99</td> <td>51.71</td> <td>1.10</td> <td>12.60</td> <td>32.40</td> <td>200</td> <td>69 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>4</td> <td>73.65</td> <td>30.92</td> <td>40.00</td> <td>-9.08</td> <td>49.59</td> <td>0.86</td> <td>12.86</td> <td>32.39</td> <td>200</td> <td>107 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>5</td> <td>97.90</td> <td>27.85</td> <td>43.50</td> <td>-15.65</td> <td>42.66</td> <td>0.84</td> <td>16.72</td> <td>32.37</td> <td>150</td> <td>63 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>6</td> <td>800.18</td> <td>34.42</td> <td>46.00</td> <td>-11.58</td> <td>36.31</td> <td>3.51</td> <td>26.70</td> <td>32.10</td> <td>100</td> <td>340 Peak</td> <td>VERTICAL</td> </tr> </tbody> </table> |             |              |          |        | Freq  | Level        | Limit  | Over  | Read  | CableAntenna | Preamp    | A/Pos | T/Pos | Remark | Pol/Phase |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | cm | deg |  | 1 | 38.73 | 29.83 | 40.00 | -10.17 | 40.62 | 1.12 | 20.51 | 32.42 | 100 | 325 Peak | VERTICAL | 2 | 44.55 | 31.52 | 40.00 | -8.48 | 45.33 | 1.36 | 17.25 | 32.42 | 100 | 77 Peak | VERTICAL | 3 | 65.89 | 33.01 | 40.00 | -6.99 | 51.71 | 1.10 | 12.60 | 32.40 | 200 | 69 Peak | VERTICAL | 4 | 73.65 | 30.92 | 40.00 | -9.08 | 49.59 | 0.86 | 12.86 | 32.39 | 200 | 107 Peak | VERTICAL | 5 | 97.90 | 27.85 | 43.50 | -15.65 | 42.66 | 0.84 | 16.72 | 32.37 | 150 | 63 Peak | VERTICAL | 6 | 800.18 | 34.42 | 46.00 | -11.58 | 36.31 | 3.51 | 26.70 | 32.10 | 100 | 340 Peak | VERTICAL |
|   | Freq        | Level        | Limit    | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark       | Pol/Phase |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
|   | MHz         | dBuV/m       | dBuV/m   | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg          |           |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
| 1   | 38.73       | 29.83        | 40.00    | -10.17 | 40.62 | 1.12         | 20.51  | 32.42 | 100   | 325 Peak     | VERTICAL  |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
| 2   | 44.55       | 31.52        | 40.00    | -8.48  | 45.33 | 1.36         | 17.25  | 32.42 | 100   | 77 Peak      | VERTICAL  |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
| 3   | 65.89       | 33.01        | 40.00    | -6.99  | 51.71 | 1.10         | 12.60  | 32.40 | 200   | 69 Peak      | VERTICAL  |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
| 4   | 73.65       | 30.92        | 40.00    | -9.08  | 49.59 | 0.86         | 12.86  | 32.39 | 200   | 107 Peak     | VERTICAL  |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
| 5   | 97.90       | 27.85        | 43.50    | -15.65 | 42.66 | 0.84         | 16.72  | 32.37 | 150   | 63 Peak      | VERTICAL  |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
| 6   | 800.18      | 34.42        | 46.00    | -11.58 | 36.31 | 3.51         | 26.70  | 32.10 | 100   | 340 Peak     | VERTICAL  |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |
| <p>Note 1: "&gt;20dB" means emission levels that exceed the level of 20 dB below the applicable limit.<br/>           Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)</p>   |             |              |          |        |       |              |        |       |       |              |           |       |       |        |           |  |     |        |        |    |      |    |      |    |    |     |  |   |       |       |       |        |       |      |       |       |     |          |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |         |          |   |       |       |       |       |       |      |       |       |     |          |          |   |       |       |       |        |       |      |       |       |     |         |          |   |        |       |       |        |       |      |       |       |     |          |          |