# FCC TEST REPORT

# FCC ID: 2AIXD-DR55Q37

| | | |
|---|---|---|
| Product | : | Mobile virtual reality headset |
| Model Name | : | DR55Q-37,DR55Q-96A,DR55Q-96M |
| Brand | : | Focalmax |
| Report No. | : | PT802580160910E-FC02 |

## Prepared for

SHENZHEN D-light Technolgy Limited

*2201F, Block A, Wisdom Building ,Qiao xiang Road, Shahe Street, Nanshan District,*

Shenzhen ,China

## Prepared by

DongGuan Precise Testing Service Co.,Ltd.

Building D, Baoding Technology Park, Guangming Road 2,

Dongcheng District, Dongguan, Guangdong, China, 523129

**TEST RESULT CERTIFICATION**

| | | |
|---|---|---|
| Applicant's name | : | SHENZHEN D-light Technolgy Limited |
| Address | : | *2201F, Block A, Wisdom Building ,Qiao xiang Road, Shahe Street, Nanshan District,Shenzhen ,China* |
| Manufacture's name | : | SHENZHEN D-light Technolgy Limited |
| Address | : | *2201F, Block A, Wisdom Building ,Qiao xiang Road, Shahe Street, Nanshan District,Shenzhen ,China* |
| Product name | : | Mobile virtual reality headset |
| Model name | : | DR55Q-37,DR55Q-96A,DR55Q-96M |
| Standards | : | FCC CFR47 Part 15 Section 15.247 |
| Test procedure | : | ANSI C63.10:2013 |
| Test Date | : | Sep.20, 2016 ~ Sep.25, 2016 |
| Date of Issue | : | Sep.26, 2016 |
| Test Result | : | Pass |

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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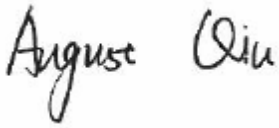
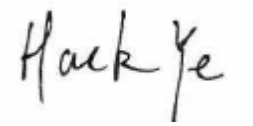
Testing Engineer

August Qiu



TechnicalManager

Hack Ye



AuthorizedSignatory

Chris Du

# Contents

## 2 Test Summary

| Test Items | Test Requirement | Result |
|---|---|---|
| Conduct Emission | 15.207 | PASS |
| Radiated Spurious Emissions | 15.205(a)<br>15.209<br>15.247(d) | PASS |
| Conducted Spurious Emission | 15.247(d) | PASS |
| Band edge | 15.247(d)<br>15.205(a) | PASS |
| 6dB Bandwidth | 15.247(a)(2) | PASS |
| Maximum Peak Output Power | 15.247(b)(1) | PASS |
| Power Spectral Density | 15.247(e) | PASS |
| Antenna Requirement | 15.203 | PASS |
| Remark:<br>N/A: Not Applicable | | |

# 3 General Information

## 3.1 General Description of E.U.T.

| | | |
|---|---|---|
| Product Name | : | Mobile virtual reality headset |
| Model Name | : | DR55Q-37,DR55Q-96A,DR55Q-96M |
| Model Description | : | Only different in models name |
| Bluetooth Version | : | V4.0 |
| Operating frequency | : | For BLE:<br>2402-2480MHz, 40 channels<br>For WIFI<br>2412-2462MHz, 11channels |
| Antenna installation: | : | internal antenna |
| Antenna Gain: | : | WiFi: 0dBi<br>BLE: 0dBi |
| The lowest oscillator: | : | 19.2MHz |
| Type of Modulation | | For BLE:<br>GFSK<br>For WIFI:<br>IEEE 802.11b CCK/QPSK/BPSK<br>IEEE 802.11g BPSK/QPSK/16QAM/64QAM<br>IEEE 802.11n-HT20 BPSK/QPSK/16QAM/64QAM |
| Power supply | : | DC3.8V 2900mAh Power by battery, DC 5V charging by USB port |

## 3.2 Channel List

| WIFI | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Channel No.** | **Frequency (MHz)** | **Channel No.** | **Frequency (MHz)** | **Channel No.** | **Frequency (MHz)** | **Channel No.** | **Frequency (MHz)** |
| 1 | 2412 | 4 | 2427 | 7 | 2442 | 10 | 2457 |
| 2 | 2417 | 5 | 2432 | 8 | 2447 | 11 | 2462 |
| 3 | 2422 | 6 | 2437 | 9 | 2452 | / | / |
| **BLE** | | | | | | | |
| **Channel No.** | **Frequency (MHz)** | **Channel No.** | **Frequency (MHz)** | **Channel No.** | **Frequency (MHz)** | **Channel No.** | **Frequency (MHz)** |
| 0 | 2402 | 10 | 2422 | 20 | 2442 | 30 | 2462 |
| 1 | 2404 | 11 | 2424 | 21 | 2444 | 31 | 2464 |
| 2 | 2406 | 12 | 2426 | 22 | 2446 | 32 | 2466 |
| 3 | 2408 | 13 | 2428 | 23 | 2448 | 33 | 2468 |
| 4 | 2410 | 14 | 2430 | 24 | 2450 | 34 | 2470 |
| 5 | 2412 | 15 | 2432 | 25 | 2452 | 35 | 2472 |
| 6 | 2414 | 16 | 2434 | 26 | 2454 | 36 | 2474 |
| 7 | 2416 | 17 | 2436 | 27 | 2456 | 37 | 2476 |
| 8 | 2418 | 18 | 2438 | 28 | 2458 | 38 | 2478 |
| 9 | 2420 | 19 | 2440 | 29 | 2460 | 39 | 2480 |

## 3.3 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectivelyby performing full tests,the worst data were recorded and reported.

| **Modulation** | **Test mode** | **Low channel** | **Middle channel** | **High channel** |
|---|---|---|---|---|
| 802.11b/g/n-HT20 | Transmitting | 2412MHz | 2437MHz | 2462MHz |
| GFSK(BLE) | Transmitting | 2402MHz | 2440MHz | 2480MHz |
| Tests Carried Out Under FCC part 15.207 | | | | |
| Test Item | | Test Mode | | |
| Conduction Emission 0.15MHz to 30MHz | | BT Communication | | |

## 3.4 Test size

DongGuan Precise Testing Service Co.,Ltd.

Add.: Building D,Baoding Technology Park,Guangming Road2, Dongcheng District, Dongguan, Guangdong, China, 523129

FCC Registration No.: 371540; IC Registration No.: 12191A

# 4 Equipment During Test

## 4.1 Equipments List

| RF Conducted Test | | | | | | | |
|---|---|---|---|---|---|---|---|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibration period |
| 1 | EMC Analyzer (9k~26.5GHz) | Agilent | E4407B | MY45109572 | Aug.04, 2016 | Aug.03, 2017 | 1 year |
| 2 | EXA Signal Analyzer | Agilent | N9010A | MY50520207 526B25MPB W7X | Aug.04, 2016 | Aug.03, 2017 | 1 year |
| 3 | EMI Test Receiver | R&S | ESCI | 101155 | July 15, 2016 | July 14, 2017 | 1 year |
| 4 | Humidity Chamber | GF | GTH-225-40-1P | IAA061225 | July 15, 2016 | July 14, 2017 | 1 year |
| 5 | Temporary Antenna Connector | Murrata | MXHS83Q E3000 | 201938 | July 15, 2016 | July 14, 2017 | 1 year |
| 6 | USB RF power sensor | DARE | RPR3006W | 15I00041SN O01 | July 15, 2016 | July 14, 2017 | 1 year |
| 7 | Attenuator | Huber&Suhner | 6810.18.B | 757941 | July 15, 2016 | July 14, 2017 | 1 year |
| Radiated Emissions | | | | | | | |
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibration period |
| 1 | EMI Test Receiver | Rohde&Schwarz | ESCI | 101417 | July 15, 2016 | July 14, 2017 | 1 year |
| 2 | Trilog Broadband Antenna | SCHWARZBECK | VULB9160 | 9160-3355 | July 15, 2016 | July 14, 2017 | 1 year |
| 3 | Amplifier | EM | EM-30180 | 060538 | July 15, 2016 | July 14, 2017 | 1 year |
| 4 | Horn Antenna | SCHWARZBECK | BBHA9120 D | 9120D-1246 | July 15, 2016 | July 14, 2017 | 1 year |
| 5 | Horn Antenna | Schwarzbeck | BBHA 9170 | 9170-0741 | July 15, 2016 | July 14, 2017 | 1 year |
| 6 | Loop Antenna | SCHWARZBECK | FMZB1516 | 9130D-1243 | July 15, 2016 | July 14, 2017 | 1 year |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 3m Anechoic Chamber | CHENGYU | 966 | PTC-002 | June 6, 2016 | June 5, 2017 | 1 year |
| 8 | Coaxial Cable(below 1GHz) | LARGE | CALB1 | - | July 15, 2016 | July 14, 2017 | 1 year |
| 9 | Coaxial Cable(above 1GHz) | LARGE | CALB2 | - | July 15, 2016 | July 14, 2017 | 1 year |
| Conducted Emissions | | | | | | | |
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibration period |
| 1 | EMI Test Receiver | R&S | ESCI | 101155 | July 15, 2016 | July 14, 2017 | 1 year |
| 2 | LISN | SCHWARZBECK | NSLK 8128 | 8128-289 | July 15, 2016 | July 14, 2017 | 1 year |
| 3 | Cable | LARGE | RF300 | - | July 15, 2016 | July 14, 2017 | 1 year |

## 4.2 Description of Support Units

| Equipment | Manufacturer | Model No. | Series No. |
|---|---|---|---|
| Note Book | Sony | PCG-51111T | X16-96081 |
| AC Adapter | Sony | NSW24063 | SNPA-1900-11SY |
| AC power line(1.0m) | Cold come | JYD-20 | C-2201 |

## 4.3 Measurement Uncertainty

| **Parameter** | **Uncertainty** |
|---|---|
| RF output power, conducted | ±1.0dB |
| Power Spectral Density, conducted | ±2.2dB |
| Radio Frequency | ± 1 x $10^{-6}$ |
| Bandwidth | ± 1.5 x $10^{-6}$ |
| Time | ±2% |
| Duty Cycle | ±2% |
| Temperature | ±1°C |
| Humidity | ±5% |
| DC and low frequency voltages | ±3% |
| Conducted Emissions(150kHz~30MHz) | ±3.64dB |
| Radiated Emission(30MHz~1GHz) | ±5.03dB |
| Radiated Emission(1GHz~25GHz) | ±4.74dB |

# 5 Conducted Emission

| | | |
|---|---|---|
| Test Requirement: | : | FCC CFR 47 Part 15 Section 15.207 |
| Test Method: | : | ANSI C63.4:2014 |
| Test Result: | : | PASS |
| FrequencyRange: | : | 150kHz to 30MHz |
| Class/Severity: | : | Class B |
| Limit: | : | 66-56 dBμV between 0.15MHz & 0.5MHz |
| | : | 56 dBμV between 0.5MHz & 5MHz |
| | : | 60 dBμV between 5MHz & 30MHz |
| Detector: | : | Peak for pre-scan(9kHz Resolution Bandwidth) |

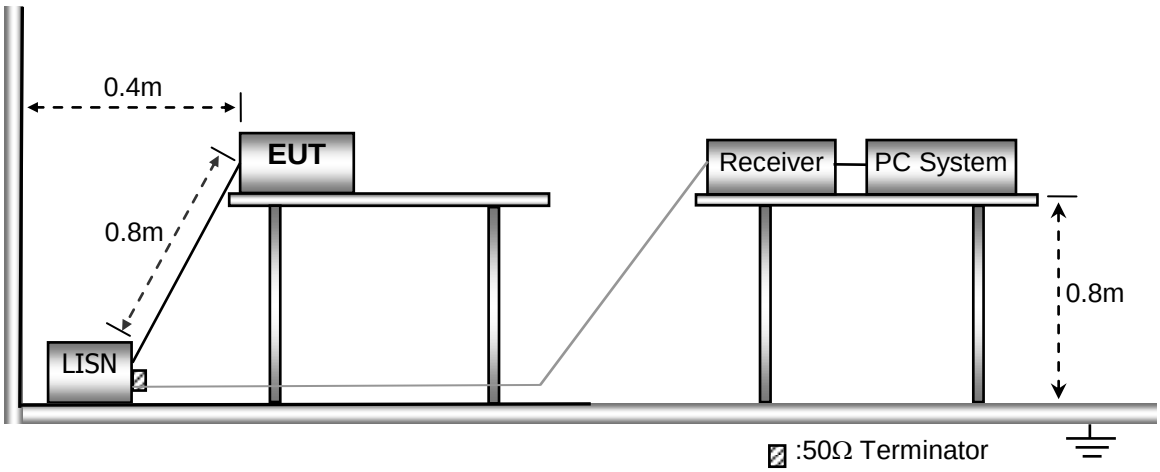
## 5.1 E.U.T. Operation

Operating Environment**:**

| | | |
|---|---|---|
| Temperature: | : | 25.5 °C |
| Humidity: | : | 51 % RH |
| Atmospheric Pressure: | : | 101.2kPa |
| EUT Operation**:** | : | Refer to section 3.3 |

## 5.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10:2013.

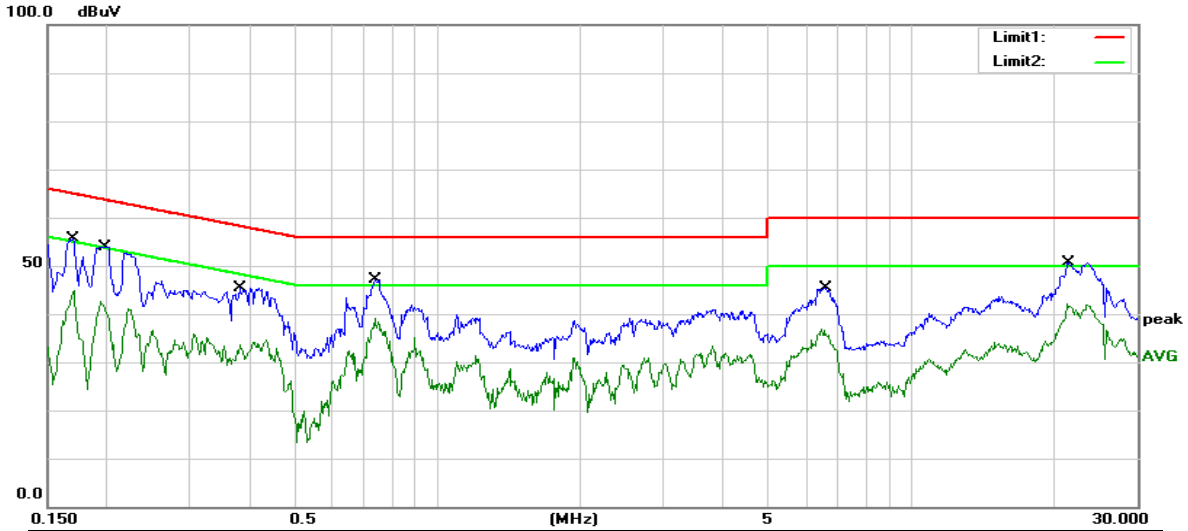


## 5.3 Measurement Description

The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

## 5.4 Conducted Emission Test Result

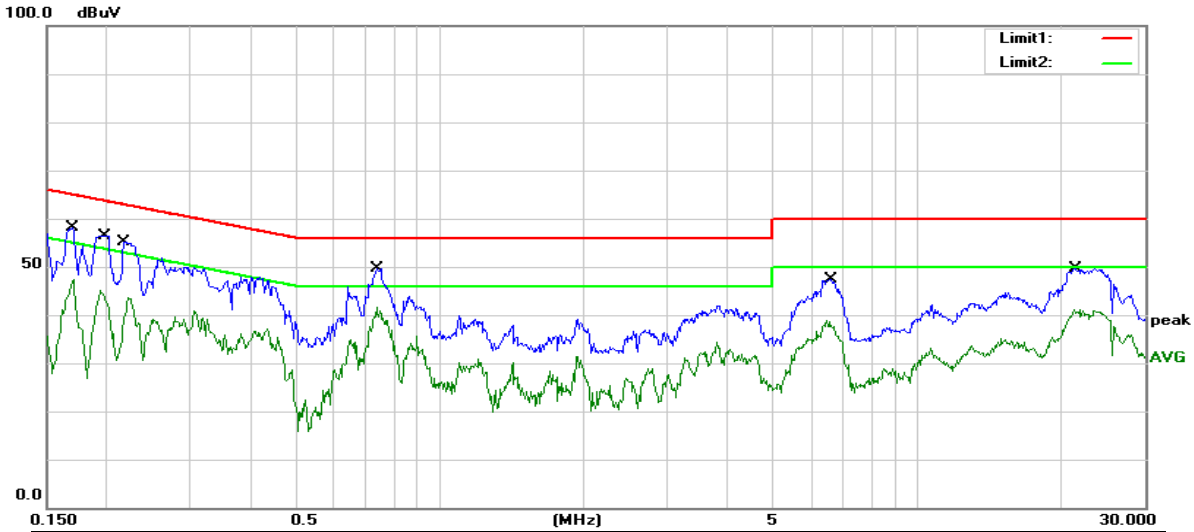
Live line:




| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 0.1700 | 45.64 | 10.00 | 55.64 | 64.96 | -9.32 | QP |
| 2 | 0.1700 | 34.86 | 10.00 | 44.86 | 54.96 | -10.10 | AVG |
| 3 | 0.1980 | 43.99 | 10.00 | 53.99 | 63.69 | -9.70 | QP |
| 4 | 0.1980 | 32.55 | 10.00 | 42.55 | 53.69 | -11.14 | AVG |
| 5 | 0.3820 | 35.34 | 10.15 | 45.49 | 58.24 | -12.75 | QP |
| 6 | 0.3820 | 23.48 | 10.15 | 33.63 | 48.24 | -14.61 | AVG |
| 7 | 0.7420 | 37.25 | 9.99 | 47.24 | 56.00 | -8.76 | QP |
| 8 | 0.7420 | 29.19 | 9.99 | 39.18 | 46.00 | -6.82 | AVG |
| 9 | 6.6140 | 35.14 | 10.19 | 45.33 | 60.00 | -14.67 | QP |
| 10 | 6.6140 | 26.69 | 10.19 | 36.88 | 50.00 | -13.12 | AVG |
| 11 | 21.4940 | 39.89 | 10.71 | 50.60 | 60.00 | -9.40 | QP |
| 12 | 21.4940 | 31.36 | 10.71 | 42.07 | 50.00 | -7.93 | AVG |

Remark:Emission Level=Receiver Reading+Cable Loss+AMN Factor

Neutral line:




| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB) | Result (dBuV) | Limit (dBuV) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 0.1700 | 48.14 | 10.00 | 58.14 | 64.96 | -6.82 | QP |
| 2 | 0.1700 | 37.36 | 10.00 | 47.36 | 54.96 | -7.60 | AVG |
| 3 | 0.1980 | 46.49 | 10.00 | 56.49 | 63.69 | -7.20 | QP |
| 4 | 0.1980 | 35.05 | 10.00 | 45.05 | 53.69 | -8.64 | AVG |
| 5 | 0.2180 | 45.24 | 9.98 | 55.22 | 62.89 | -7.67 | QP |
| 6 | 0.2180 | 33.58 | 9.98 | 43.56 | 52.89 | -9.33 | AVG |
| 7 | 0.7420 | 39.75 | 9.99 | 49.74 | 56.00 | -6.26 | QP |
| 8 | 0.7420 | 31.69 | 9.99 | 41.68 | 46.00 | -4.32 | AVG |
| 9 | 6.6140 | 37.14 | 10.19 | 47.33 | 60.00 | -12.67 | QP |
| 10 | 6.6140 | 28.69 | 10.19 | 38.88 | 50.00 | -11.12 | AVG |
| 11 | 21.4940 | 38.89 | 10.71 | 49.60 | 60.00 | -10.40 | QP |
| 12 | 21.4940 | 30.51 | 10.71 | 41.22 | 50.00 | -8.78 | AVG |

Remark:Emission Level=Receiver Reading+Cable Loss+AMN Factor

# 6 Radiated Spurious Emissions

Test Requirement: : FCC CFR47 Part 15 Section 15.209 & 15.247

Test Method: : ANSI C63.10:2013

Test Result: : PASS

Measurement Distance: : 3m

Limit: : See the follow table

| Frequency (MHz) | Field Strength | | Field Strength Limit at 3m Measurement Dist | |
|---|---|---|---|---|
| | uV/m | Distance (m) | uV/m | dBuV/m |
| 0.009 ~ 0.490 | 2400/F(kHz) | 300 | 10000 * 2400/F(kHz) | $20\log^{(2400/F(kHz))}$ + 80 |
| 0.490 ~ 1.705 | 24000/F(kHz) | 30 | 100 * 24000/F(kHz) | $20\log^{(24000/F(kHz))}$ + 40 |
| 1.705 ~ 30 | 30 | 30 | 100 * 30 | $20\log^{(30)}$ + 40 |
| 30 ~ 88 | 100 | 3 | 100 | $20\log^{(100)}$ |
| 88 ~ 216 | 150 | 3 | 150 | $20\log^{(150)}$ |
| 216 ~ 960 | 200 | 3 | 200 | $20\log^{(200)}$ |
| Above 960 | 500 | 3 | 500 | $20\log^{(500)}$ |

## 6.1 EUT Operation

Operating Environment :

Temperature: : 23.5 °C

Humidity: : 51.1 % RH

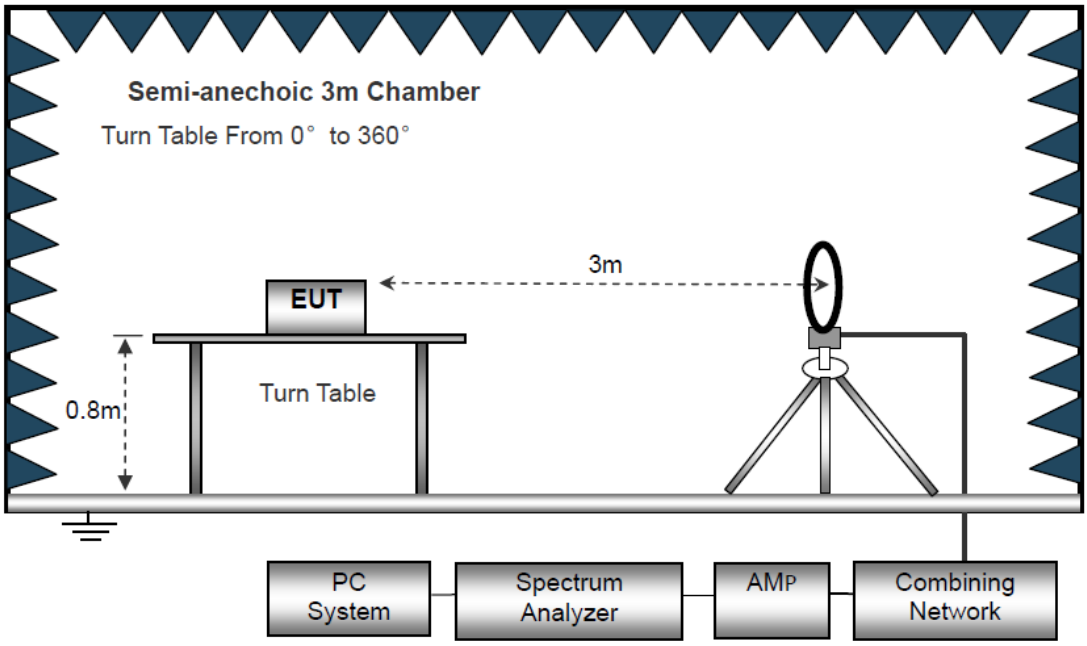
Atmospheric Pressure: : 101.2kPa

EUT Operation : : Refer to section 3.3

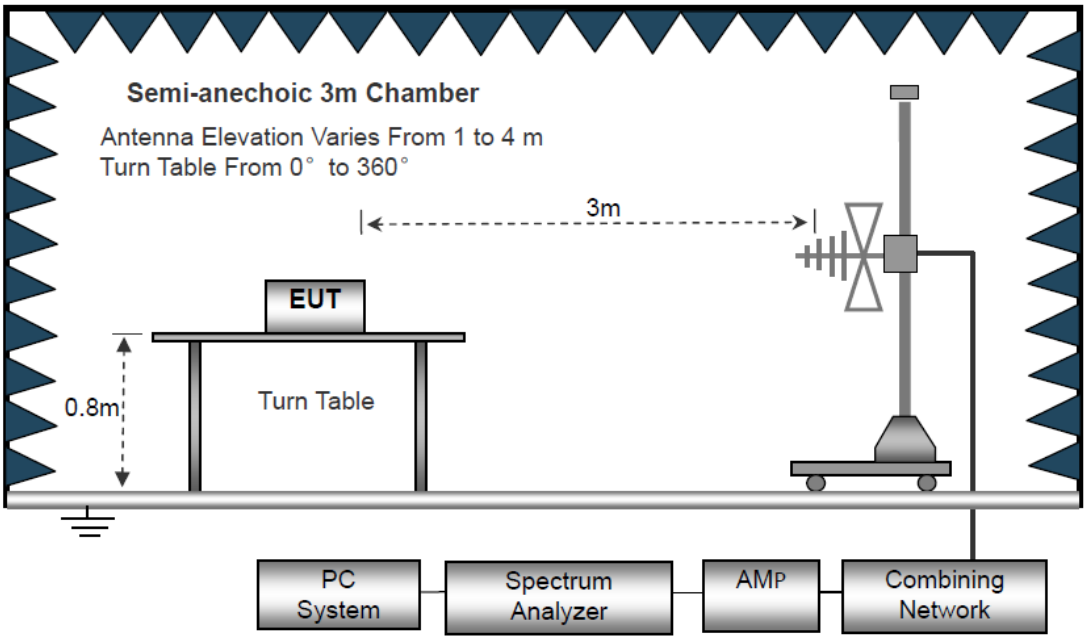
## 6.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber testsite

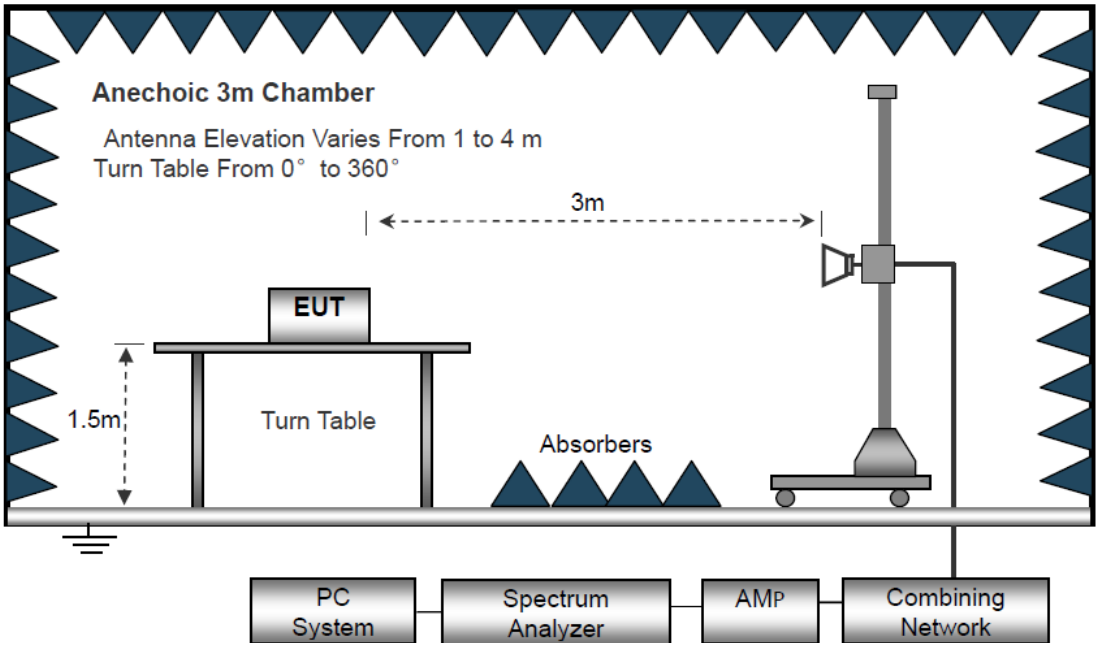
The test setup for emission measurement below 30MHz




The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz




## 6.3 Spectrum Analyzer Setup

Below 30MHz

| | | |
|---|---|---|
| IF Bandwidth | | 10kHz |
| Resolution Bandwidth | | 10kHz |
| Video Bandwidth | | 10kHz |

30MHz ~ 1GHz

| | | |
|---|---|---|
| Detector | : | PK |
| Resolution Bandwidth | : | 100kHz |
| Video Bandwidth | : | 300kHz |
| Detector | : | QP |
| Resolution Bandwidth | : | 120kHz |
| Video Bandwidth | : | 300kHz |

Above 1GHz

| | | |
|---|---|---|
| Detector | : | PK |
| Resolution Bandwidth | : | 1MHz |
| Video Bandwidth | : | 3MHz |
| Detector | : | AV |
| Resolution Bandwidth | : | 1MHz |
| Video Bandwidth | : | 10Hz |

## 6.4 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane for below 1GHz and 1.5m forabove 1GHz.

2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.

3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions. The spectrum was investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up tothe tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.

5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

6. Repeat above procedures until the measurements for all frequencies are complete.

7. The radiation measurements are tested under 3-axes(X,Y,Z) position(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand), After pre-test, It was found that the worse radiation emission was get at the X position. So the data shown was the X position only.

8.The test above 1GHz must be use the fully anechoic room, and the test below 1GHz use the halfanechoic room

## 6.5 Summary ofTest Results

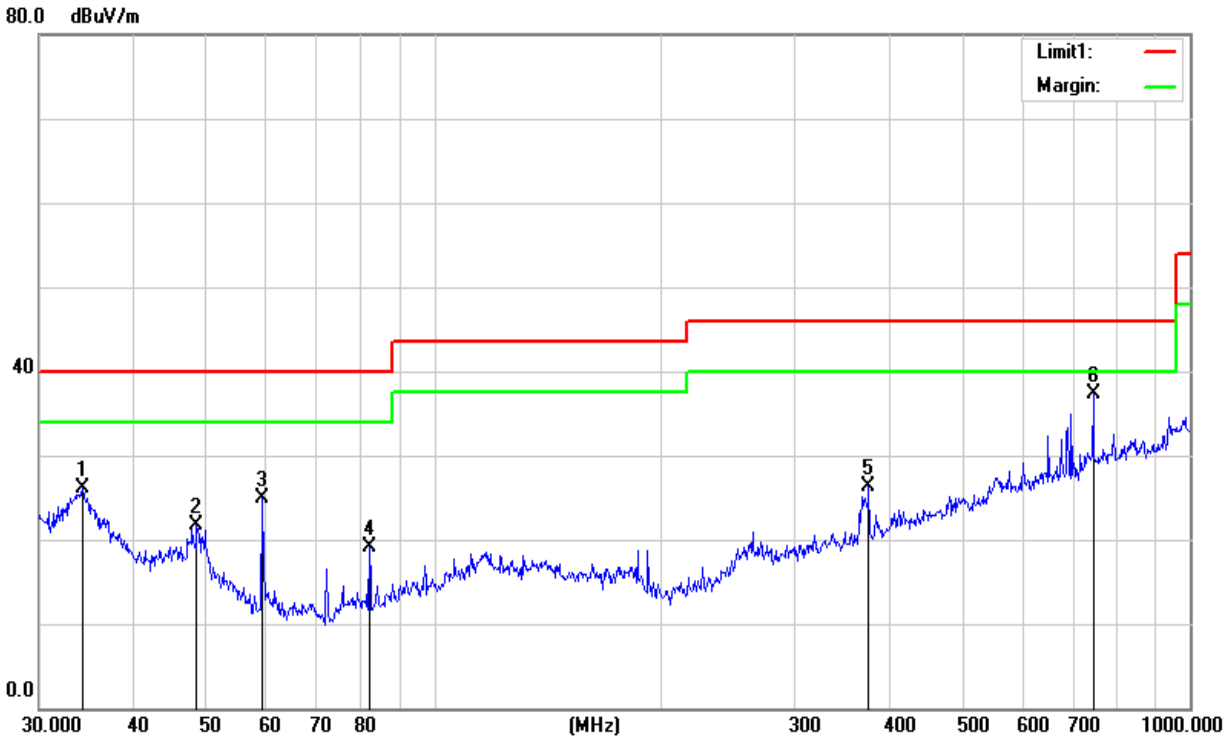
**Test Frequency: Below 30MHz**

The measurements were more than 20 dB below the limit and not reported.

**Test Frequency: 30MHz ~ 1GHz**

All applicable test modes have been tested and only the worst case (802.11b TX in middle channel) is recorded.

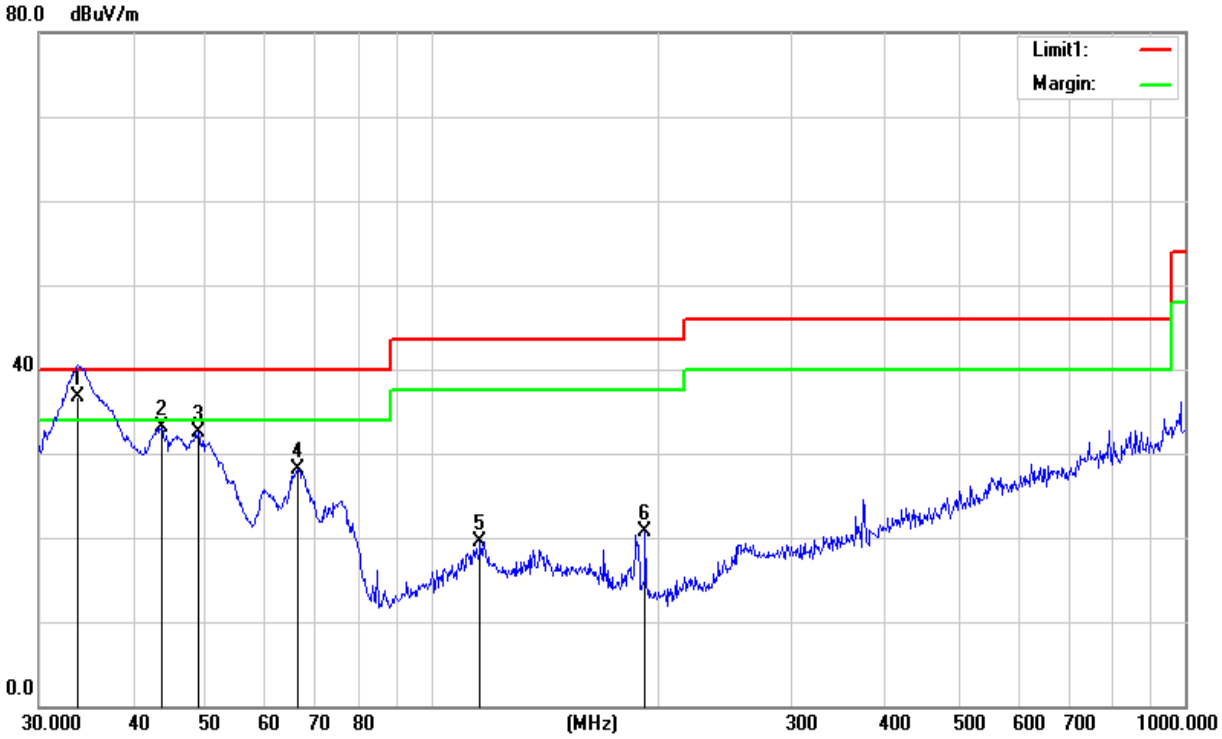
Antenna Polarization: Horizontal




| Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|
| 34.2760 | 9.65 | 16.53 | 26.18 | 40.00 | -13.82 | QP |
| 48.5016 | 12.74 | 8.88 | 21.62 | 40.00 | -18.38 | QP |
| 59.2325 | 19.47 | 5.45 | 24.92 | 40.00 | -15.08 | QP |
| 82.0705 | 10.77 | 8.28 | 19.05 | 40.00 | -20.95 | QP |
| 375.9384 | 9.50 | 16.81 | 26.31 | 46.00 | -19.69 | QP |
| 744.8660 | 12.03 | 25.34 | 37.37 | 46.00 | -8.63 | QP |

Remark:Emission Level=Receiver Reading+Cable Loss+ANT Factor-AMP Factor

Antenna Polarization: Vertical




| Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|
| 33.7790 | 19.85 | 16.79 | 36.64 | 40.00 | -3.36 | QP |
| 43.6584 | 21.64 | 11.44 | 33.08 | 40.00 | -6.92 | QP |
| 48.8430 | 23.84 | 8.71 | 32.55 | 40.00 | -7.45 | QP |
| 66.2660 | 22.23 | 5.84 | 28.07 | 40.00 | -11.93 | QP |
| 115.7256 | 7.31 | 12.23 | 19.54 | 43.50 | -23.96 | QP |
| 191.7450 | 11.47 | 9.19 | 20.66 | 43.50 | -22.84 | QP |

Remark:Emission Level=Receiver Reading+Cable Loss+ANT Factor-AMP Factor

**Test Frequency: 1GHz ~ 18GHz**

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel 11b(2412 MHz) | | | | | | | | | | |
| 3265.10 | 49.96 | 44.70 | 6.70 | 28.20 | -9.80 | 40.16 | 74.00 | -33.84 | PK | Vertical |
| 3265.10 | 39.92 | 44.70 | 6.70 | 28.20 | -9.80 | 30.12 | 54.00 | -23.88 | AV | Vertical |
| 3265.06 | 49.92 | 44.70 | 6.70 | 28.20 | -9.80 | 40.12 | 74.00 | -33.88 | PK | Horizontal |
| 3265.06 | 39.96 | 44.70 | 6.70 | 28.20 | -9.80 | 30.16 | 54.00 | -23.84 | AV | Horizontal |
| 4824.78 | 60.25 | 44.20 | 9.04 | 31.60 | -3.56 | 56.69 | 74.00 | -17.31 | PK | Vertical |
| 4824.78 | 40.26 | 44.20 | 9.04 | 31.60 | -3.56 | 36.70 | 54.00 | -17.30 | AV | Vertical |
| 4824.81 | 60.27 | 44.20 | 9.04 | 31.60 | -3.56 | 56.71 | 74.00 | -17.29 | PK | Horizontal |
| 4824.81 | 40.25 | 44.20 | 9.04 | 31.60 | -3.56 | 36.69 | 54.00 | -17.31 | AV | Horizontal |
| 5360.09 | 47.13 | 44.20 | 9.86 | 32.00 | -2.34 | 44.79 | 74.00 | -29.21 | PK | Vertical |
| 5360.09 | 39.12 | 44.20 | 9.86 | 32.00 | -2.34 | 36.78 | 54.00 | -17.22 | AV | Vertical |
| 5360.07 | 47.19 | 44.20 | 9.86 | 32.00 | -2.34 | 44.85 | 74.00 | -29.15 | PK | Horizontal |
| 5360.07 | 39.18 | 44.20 | 9.86 | 32.00 | -2.34 | 36.84 | 54.00 | -17.16 | AV | Horizontal |
| 7236.18 | 52.68 | 43.50 | 11.40 | 35.50 | 3.40 | 56.08 | 74.00 | -17.92 | PK | Vertical |
| 7236.18 | 34.61 | 43.50 | 11.40 | 35.50 | 3.40 | 38.01 | 54.00 | -15.99 | AV | Vertical |
| 7236.16 | 52.63 | 43.50 | 11.40 | 35.50 | 3.40 | 56.03 | 74.00 | -17.97 | PK | Horizontal |
| 7236.16 | 34.63 | 43.50 | 11.40 | 35.50 | 3.40 | 38.03 | 54.00 | -15.97 | AV | Horizontal |
| 11036.22 | 41.91 | 43.60 | 14.30 | 39.50 | 10.20 | 52.11 | 74.00 | -21.89 | PK | Vertical |
| 11036.22 | 31.85 | 43.60 | 14.30 | 39.50 | 10.20 | 42.05 | 54.00 | -11.95 | AV | Vertical |
| 11036.47 | 41.86 | 43.60 | 14.30 | 39.50 | 10.20 | 52.06 | 74.00 | -21.94 | PK | Horizontal |
| 11036.47 | 31.86 | 43.60 | 14.30 | 39.50 | 10.20 | 42.06 | 54.00 | -11.94 | AV | Horizontal |
| 13299.62 | 41.73 | 42.60 | 15.90 | 38.90 | 12.20 | 53.93 | 74.00 | -20.07 | PK | Vertical |
| 13299.62 | 28.72 | 42.60 | 15.90 | 38.90 | 12.20 | 40.92 | 54.00 | -13.08 | AV | Vertical |
| 13299.74 | 41.75 | 42.60 | 15.90 | 38.90 | 12.20 | 53.95 | 74.00 | -20.05 | PK | Horizontal |
| 13299.74 | 30.72 | 42.60 | 15.90 | 38.90 | 12.20 | 42.92 | 54.00 | -11.08 | AV | Horizontal |
| 16000.15 | 41.77 | 42.70 | 18.00 | 37.10 | 12.40 | 54.17 | 74.00 | -19.83 | PK | Vertical |
| 16000.15 | 28.77 | 42.70 | 18.00 | 37.10 | 12.40 | 41.17 | 54.00 | -12.83 | AV | Vertical |
| 16000.04 | 41.77 | 42.70 | 18.00 | 37.10 | 12.40 | 54.17 | 74.00 | -19.83 | PK | Horizontal |
| 16000.04 | 31.05 | 42.70 | 18.00 | 37.10 | 12.40 | 43.45 | 54.00 | -10.55 | AV | Horizontal |
| 17998.14 | 31.91 | 42.70 | 19.40 | 46.50 | 23.20 | 55.11 | 74.00 | -18.89 | PK | Vertical |
| 17998.14 | 20.92 | 42.70 | 19.40 | 46.50 | 23.20 | 44.12 | 54.00 | -9.88 | AV | Vertical |
| 17998.01 | 31.93 | 42.70 | 19.40 | 46.50 | 23.20 | 55.13 | 74.00 | -18.87 | PK | Horizontal |
| 17998.01 | 19.92 | 42.70 | 19.40 | 46.50 | 23.20 | 43.12 | 54.00 | -10.88 | AV | Horizontal |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel 11b(2437 MHz) | | | | | | | | | | |
| 3265.00 | 49.89 | 44.70 | 6.70 | 28.20 | -9.80 | 40.09 | 74.00 | -33.91 | PK | Vertical |
| 3265.00 | 39.86 | 44.70 | 6.70 | 28.20 | -9.80 | 30.06 | 54.00 | -23.94 | AV | Vertical |
| 3264.95 | 49.86 | 44.70 | 6.70 | 28.20 | -9.80 | 40.06 | 74.00 | -33.94 | PK | Horizontal |
| 3264.95 | 39.87 | 44.70 | 6.70 | 28.20 | -9.80 | 30.07 | 54.00 | -23.93 | AV | Horizontal |
| 4874.76 | 60.18 | 44.20 | 9.04 | 31.60 | -3.56 | 56.62 | 74.00 | -17.38 | PK | Vertical |
| 4874.76 | 40.18 | 44.20 | 9.04 | 31.60 | -3.56 | 36.62 | 54.00 | -17.38 | AV | Vertical |
| 4874.70 | 60.19 | 44.20 | 9.04 | 31.60 | -3.56 | 56.63 | 74.00 | -17.37 | PK | Horizontal |
| 4874.70 | 40.13 | 44.20 | 9.04 | 31.60 | -3.56 | 36.57 | 54.00 | -17.43 | AV | Horizontal |
| 5359.97 | 47.06 | 44.20 | 9.86 | 32.00 | -2.34 | 44.72 | 74.00 | -29.28 | PK | Vertical |
| 5359.97 | 39.07 | 44.20 | 9.86 | 32.00 | -2.34 | 36.73 | 54.00 | -17.27 | AV | Vertical |
| 5360.00 | 47.13 | 44.20 | 9.86 | 32.00 | -2.34 | 44.79 | 74.00 | -29.21 | PK | Horizontal |
| 5360.00 | 39.07 | 44.20 | 9.86 | 32.00 | -2.34 | 36.73 | 54.00 | -17.27 | AV | Horizontal |
| 7336.05 | 52.57 | 43.50 | 11.40 | 35.50 | 3.40 | 55.97 | 74.00 | -18.03 | PK | Vertical |
| 7336.05 | 34.57 | 43.50 | 11.40 | 35.50 | 3.40 | 37.97 | 54.00 | -16.03 | AV | Vertical |
| 7336.04 | 52.58 | 43.50 | 11.40 | 35.50 | 3.40 | 55.98 | 74.00 | -18.02 | PK | Horizontal |
| 7336.04 | 34.54 | 43.50 | 11.40 | 35.50 | 3.40 | 37.94 | 54.00 | -16.06 | AV | Horizontal |
| 11036.11 | 41.86 | 43.60 | 14.30 | 39.50 | 10.20 | 52.06 | 74.00 | -21.94 | PK | Vertical |
| 11036.11 | 31.79 | 43.60 | 14.30 | 39.50 | 10.20 | 41.99 | 54.00 | -12.01 | AV | Vertical |
| 11036.11 | 41.83 | 43.60 | 14.30 | 39.50 | 10.20 | 52.03 | 74.00 | -21.97 | PK | Horizontal |
| 11036.11 | 31.81 | 43.60 | 14.30 | 39.50 | 10.20 | 42.01 | 54.00 | -11.99 | AV | Horizontal |
| 13299.71 | 41.63 | 42.60 | 15.90 | 38.90 | 12.20 | 53.83 | 74.00 | -20.17 | PK | Vertical |
| 13299.71 | 31.66 | 42.60 | 15.90 | 38.90 | 12.20 | 43.86 | 54.00 | -10.14 | AV | Vertical |
| 13299.62 | 41.69 | 42.60 | 15.90 | 38.90 | 12.20 | 53.89 | 74.00 | -20.11 | PK | Horizontal |
| 13299.62 | 30.63 | 42.60 | 15.90 | 38.90 | 12.20 | 42.83 | 54.00 | -11.17 | AV | Horizontal |
| 15999.98 | 41.72 | 42.70 | 18.00 | 37.10 | 12.40 | 54.12 | 74.00 | -19.88 | PK | Vertical |
| 15999.98 | 28.67 | 42.70 | 18.00 | 37.10 | 12.40 | 41.07 | 54.00 | -12.93 | AV | Vertical |
| 15999.99 | 41.71 | 42.70 | 18.00 | 37.10 | 12.40 | 54.11 | 74.00 | -19.89 | PK | Horizontal |
| 15999.99 | 30.99 | 42.70 | 18.00 | 37.10 | 12.40 | 43.39 | 54.00 | -10.61 | AV | Horizontal |
| 17998.13 | 31.82 | 42.70 | 19.40 | 46.50 | 23.20 | 55.02 | 74.00 | -18.98 | PK | Vertical |
| 17998.13 | 21.88 | 42.70 | 19.40 | 46.50 | 23.20 | 45.08 | 54.00 | -8.92 | AV | Vertical |
| 17998.00 | 31.84 | 42.70 | 19.40 | 46.50 | 23.20 | 55.04 | 74.00 | -18.96 | PK | Horizontal |
| 17998.00 | 21.84 | 42.70 | 19.40 | 46.50 | 23.20 | 45.04 | 54.00 | -8.96 | AV | Horizontal |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel 11b(2462 MHz) | | | | | | | | | | |
| 3265.07 | 49.83 | 44.70 | 6.70 | 28.20 | -9.80 | 40.03 | 74.00 | -33.97 | PK | Vertical |
| 3265.07 | 39.77 | 44.70 | 6.70 | 28.20 | -9.80 | 29.97 | 54.00 | -24.03 | AV | Vertical |
| 3265.04 | 49.74 | 44.70 | 6.70 | 28.20 | -9.80 | 39.94 | 74.00 | -34.06 | PK | Horizontal |
| 3265.04 | 39.82 | 44.70 | 6.70 | 28.20 | -9.80 | 30.02 | 54.00 | -23.98 | AV | Horizontal |
| 4924.82 | 60.07 | 44.20 | 9.04 | 31.60 | -3.56 | 56.51 | 74.00 | -17.49 | PK | Vertical |
| 4924.82 | 40.14 | 44.20 | 9.04 | 31.60 | -3.56 | 36.58 | 54.00 | -17.42 | AV | Vertical |
| 4924.78 | 60.11 | 44.20 | 9.04 | 31.60 | -3.56 | 56.55 | 74.00 | -17.45 | PK | Horizontal |
| 4924.78 | 40.03 | 44.20 | 9.04 | 31.60 | -3.56 | 36.47 | 54.00 | -17.53 | AV | Horizontal |
| 5360.04 | 46.97 | 44.20 | 9.86 | 32.00 | -2.34 | 44.63 | 74.00 | -29.37 | PK | Vertical |
| 5360.04 | 39.01 | 44.20 | 9.86 | 32.00 | -2.34 | 36.67 | 54.00 | -17.33 | AV | Vertical |
| 5360.03 | 47.06 | 44.20 | 9.86 | 32.00 | -2.34 | 44.72 | 74.00 | -29.28 | PK | Horizontal |
| 5360.03 | 38.98 | 44.20 | 9.86 | 32.00 | -2.34 | 36.64 | 54.00 | -17.36 | AV | Horizontal |
| 7386.16 | 52.47 | 43.50 | 11.40 | 35.50 | 3.40 | 55.87 | 74.00 | -18.13 | PK | Vertical |
| 7386.16 | 35.45 | 43.50 | 11.40 | 35.50 | 3.40 | 38.85 | 54.00 | -15.15 | AV | Vertical |
| 7386.20 | 52.51 | 43.50 | 11.40 | 35.50 | 3.40 | 55.91 | 74.00 | -18.09 | PK | Horizontal |
| 7386.20 | 35.46 | 43.50 | 11.40 | 35.50 | 3.40 | 38.86 | 54.00 | -15.14 | AV | Horizontal |
| 11036.21 | 41.74 | 43.60 | 14.30 | 39.50 | 10.20 | 51.94 | 74.00 | -22.06 | PK | Vertical |
| 11036.21 | 31.72 | 43.60 | 14.30 | 39.50 | 10.20 | 41.92 | 54.00 | -12.08 | AV | Vertical |
| 11036.19 | 41.77 | 43.60 | 14.30 | 39.50 | 10.20 | 51.97 | 74.00 | -22.03 | PK | Horizontal |
| 11036.19 | 31.79 | 43.60 | 14.30 | 39.50 | 10.20 | 41.99 | 54.00 | -12.01 | AV | Horizontal |
| 16000.09 | 41.62 | 42.70 | 18.00 | 37.10 | 12.40 | 54.02 | 74.00 | -19.98 | PK | Vertical |
| 16000.09 | 29.62 | 42.70 | 18.00 | 37.10 | 12.40 | 42.02 | 54.00 | -11.98 | AV | Vertical |
| 16000.05 | 41.60 | 42.70 | 18.00 | 37.10 | 12.40 | 54.00 | 74.00 | -20.00 | PK | Horizontal |
| 16000.05 | 30.90 | 42.70 | 18.00 | 37.10 | 12.40 | 43.30 | 54.00 | -10.70 | AV | Horizontal |
| 17998.22 | 31.73 | 42.70 | 19.40 | 46.50 | 23.20 | 54.93 | 74.00 | -19.07 | PK | Vertical |
| 17998.22 | 20.76 | 42.70 | 19.40 | 46.50 | 23.20 | 43.96 | 54.00 | -10.04 | AV | Vertical |
| 17998.09 | 31.79 | 42.70 | 19.40 | 46.50 | 23.20 | 54.99 | 74.00 | -19.01 | PK | Horizontal |
| 17998.09 | 20.79 | 42.70 | 19.40 | 46.50 | 23.20 | 43.99 | 54.00 | -10.01 | AV | Horizontal |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel 11g(2412 MHz) | | | | | | | | | | |
| 3265.10 | 49.90 | 44.70 | 6.70 | 28.20 | -9.80 | 40.10 | 74.00 | -33.90 | PK | Vertical |
| 3265.10 | 39.87 | 44.70 | 6.70 | 28.20 | -9.80 | 30.07 | 54.00 | -23.93 | AV | Vertical |
| 3265.06 | 49.86 | 44.70 | 6.70 | 28.20 | -9.80 | 40.06 | 74.00 | -33.94 | PK | Horizontal |
| 3265.06 | 39.90 | 44.70 | 6.70 | 28.20 | -9.80 | 30.10 | 54.00 | -23.90 | AV | Horizontal |
| 4824.78 | 60.19 | 44.20 | 9.04 | 31.60 | -3.56 | 56.63 | 74.00 | -17.37 | PK | Vertical |
| 4824.78 | 40.18 | 44.20 | 9.04 | 31.60 | -3.56 | 36.62 | 54.00 | -17.38 | AV | Vertical |
| 4824.81 | 60.21 | 44.20 | 9.04 | 31.60 | -3.56 | 56.65 | 74.00 | -17.35 | PK | Horizontal |
| 4824.81 | 40.16 | 44.20 | 9.04 | 31.60 | -3.56 | 36.60 | 54.00 | -17.40 | AV | Horizontal |
| 5360.09 | 47.04 | 44.20 | 9.86 | 32.00 | -2.34 | 44.70 | 74.00 | -29.30 | PK | Vertical |
| 5360.09 | 39.03 | 44.20 | 9.86 | 32.00 | -2.34 | 36.69 | 54.00 | -17.31 | AV | Vertical |
| 5360.07 | 47.13 | 44.20 | 9.86 | 32.00 | -2.34 | 44.79 | 74.00 | -29.21 | PK | Horizontal |
| 5360.07 | 39.11 | 44.20 | 9.86 | 32.00 | -2.34 | 36.77 | 54.00 | -17.23 | AV | Horizontal |
| 7236.18 | 52.60 | 43.50 | 11.40 | 35.50 | 3.40 | 56.00 | 74.00 | -18.00 | PK | Vertical |
| 7236.18 | 34.55 | 43.50 | 11.40 | 35.50 | 3.40 | 37.95 | 54.00 | -16.05 | AV | Vertical |
| 7236.16 | 52.56 | 43.50 | 11.40 | 35.50 | 3.40 | 55.96 | 74.00 | -18.04 | PK | Horizontal |
| 7236.16 | 34.56 | 43.50 | 11.40 | 35.50 | 3.40 | 37.96 | 54.00 | -16.04 | AV | Horizontal |
| 11036.22 | 41.82 | 43.60 | 14.30 | 39.50 | 10.20 | 52.02 | 74.00 | -21.98 | PK | Vertical |
| 11036.22 | 31.78 | 43.60 | 14.30 | 39.50 | 10.20 | 41.98 | 54.00 | -12.02 | AV | Vertical |
| 11036.47 | 41.79 | 43.60 | 14.30 | 39.50 | 10.20 | 51.99 | 74.00 | -22.01 | PK | Horizontal |
| 11036.47 | 31.78 | 43.60 | 14.30 | 39.50 | 10.20 | 41.98 | 54.00 | -12.02 | AV | Horizontal |
| 13299.62 | 41.68 | 42.60 | 15.90 | 38.90 | 12.20 | 53.88 | 74.00 | -20.12 | PK | Vertical |
| 13299.62 | 28.63 | 42.60 | 15.90 | 38.90 | 12.20 | 40.83 | 54.00 | -13.17 | AV | Vertical |
| 13299.74 | 41.69 | 42.60 | 15.90 | 38.90 | 12.20 | 53.89 | 74.00 | -20.11 | PK | Horizontal |
| 13299.74 | 30.63 | 42.60 | 15.90 | 38.90 | 12.20 | 42.83 | 54.00 | -11.17 | AV | Horizontal |
| 16000.15 | 41.71 | 42.70 | 18.00 | 37.10 | 12.40 | 54.11 | 74.00 | -19.89 | PK | Vertical |
| 16000.15 | 28.71 | 42.70 | 18.00 | 37.10 | 12.40 | 41.11 | 54.00 | -12.89 | AV | Vertical |
| 16000.04 | 41.69 | 42.70 | 18.00 | 37.10 | 12.40 | 54.09 | 74.00 | -19.91 | PK | Horizontal |
| 16000.04 | 30.97 | 42.70 | 18.00 | 37.10 | 12.40 | 43.37 | 54.00 | -10.63 | AV | Horizontal |
| 17998.14 | 31.85 | 42.70 | 19.40 | 46.50 | 23.20 | 55.05 | 74.00 | -18.95 | PK | Vertical |
| 17998.14 | 20.82 | 42.70 | 19.40 | 46.50 | 23.20 | 44.02 | 54.00 | -9.98 | AV | Vertical |
| 17998.01 | 31.86 | 42.70 | 19.40 | 46.50 | 23.20 | 55.06 | 74.00 | -18.94 | PK | Horizontal |
| 17998.01 | 19.84 | 42.70 | 19.40 | 46.50 | 23.20 | 43.04 | 54.00 | -10.96 | AV | Horizontal |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel 11g(2437 MHz) | | | | | | | | | | |
| 3265.00 | 49.81 | 44.70 | 6.70 | 28.20 | -9.80 | 40.01 | 74.00 | -33.99 | PK | Vertical |
| 3265.00 | 39.79 | 44.70 | 6.70 | 28.20 | -9.80 | 29.99 | 54.00 | -24.01 | AV | Vertical |
| 3264.95 | 49.79 | 44.70 | 6.70 | 28.20 | -9.80 | 39.99 | 74.00 | -34.01 | PK | Horizontal |
| 3264.95 | 39.80 | 44.70 | 6.70 | 28.20 | -9.80 | 30.00 | 54.00 | -24.00 | AV | Horizontal |
| 4874.76 | 60.08 | 44.20 | 9.04 | 31.60 | -3.56 | 56.52 | 74.00 | -17.48 | PK | Vertical |
| 4874.76 | 40.09 | 44.20 | 9.04 | 31.60 | -3.56 | 36.53 | 54.00 | -17.47 | AV | Vertical |
| 4874.70 | 60.11 | 44.20 | 9.04 | 31.60 | -3.56 | 56.55 | 74.00 | -17.45 | PK | Horizontal |
| 4874.70 | 40.06 | 44.20 | 9.04 | 31.60 | -3.56 | 36.50 | 54.00 | -17.50 | AV | Horizontal |
| 5359.97 | 46.97 | 44.20 | 9.86 | 32.00 | -2.34 | 44.63 | 74.00 | -29.37 | PK | Vertical |
| 5359.97 | 38.98 | 44.20 | 9.86 | 32.00 | -2.34 | 36.64 | 54.00 | -17.36 | AV | Vertical |
| 5360.00 | 47.04 | 44.20 | 9.86 | 32.00 | -2.34 | 44.70 | 74.00 | -29.30 | PK | Horizontal |
| 5360.00 | 38.99 | 44.20 | 9.86 | 32.00 | -2.34 | 36.65 | 54.00 | -17.35 | AV | Horizontal |
| 7336.05 | 52.48 | 43.50 | 11.40 | 35.50 | 3.40 | 55.88 | 74.00 | -18.12 | PK | Vertical |
| 7336.05 | 34.49 | 43.50 | 11.40 | 35.50 | 3.40 | 37.89 | 54.00 | -16.11 | AV | Vertical |
| 7336.04 | 52.52 | 43.50 | 11.40 | 35.50 | 3.40 | 55.92 | 74.00 | -18.08 | PK | Horizontal |
| 7336.04 | 34.45 | 43.50 | 11.40 | 35.50 | 3.40 | 37.85 | 54.00 | -16.15 | AV | Horizontal |
| 11036.11 | 41.78 | 43.60 | 14.30 | 39.50 | 10.20 | 51.98 | 74.00 | -22.02 | PK | Vertical |
| 11036.11 | 31.72 | 43.60 | 14.30 | 39.50 | 10.20 | 41.92 | 54.00 | -12.08 | AV | Vertical |
| 11036.11 | 41.76 | 43.60 | 14.30 | 39.50 | 10.20 | 51.96 | 74.00 | -22.04 | PK | Horizontal |
| 11036.11 | 31.73 | 43.60 | 14.30 | 39.50 | 10.20 | 41.93 | 54.00 | -12.07 | AV | Horizontal |
| 13299.71 | 41.58 | 42.60 | 15.90 | 38.90 | 12.20 | 53.78 | 74.00 | -20.22 | PK | Vertical |
| 13299.71 | 31.58 | 42.60 | 15.90 | 38.90 | 12.20 | 43.78 | 54.00 | -10.22 | AV | Vertical |
| 13299.62 | 41.62 | 42.60 | 15.90 | 38.90 | 12.20 | 53.82 | 74.00 | -20.18 | PK | Horizontal |
| 13299.62 | 30.53 | 42.60 | 15.90 | 38.90 | 12.20 | 42.73 | 54.00 | -11.27 | AV | Horizontal |
| 15999.98 | 41.65 | 42.70 | 18.00 | 37.10 | 12.40 | 54.05 | 74.00 | -19.95 | PK | Vertical |
| 15999.98 | 28.59 | 42.70 | 18.00 | 37.10 | 12.40 | 40.99 | 54.00 | -13.01 | AV | Vertical |
| 15999.99 | 41.61 | 42.70 | 18.00 | 37.10 | 12.40 | 54.01 | 74.00 | -19.99 | PK | Horizontal |
| 15999.99 | 30.90 | 42.70 | 18.00 | 37.10 | 12.40 | 43.30 | 54.00 | -10.70 | AV | Horizontal |
| 17998.13 | 31.74 | 42.70 | 19.40 | 46.50 | 23.20 | 54.94 | 74.00 | -19.06 | PK | Vertical |
| 17998.13 | 21.81 | 42.70 | 19.40 | 46.50 | 23.20 | 45.01 | 54.00 | -8.99 | AV | Vertical |
| 17998.00 | 31.78 | 42.70 | 19.40 | 46.50 | 23.20 | 54.98 | 74.00 | -19.02 | PK | Horizontal |
| 17998.00 | 21.75 | 42.70 | 19.40 | 46.50 | 23.20 | 44.95 | 54.00 | -9.05 | AV | Horizontal |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel 11g(2462 MHz) | | | | | | | | | | |
| 3265.07 | 49.73 | 44.70 | 6.70 | 28.20 | -9.80 | 39.93 | 74.00 | -34.07 | PK | Vertical |
| 3265.07 | 39.69 | 44.70 | 6.70 | 28.20 | -9.80 | 29.89 | 54.00 | -24.11 | AV | Vertical |
| 3265.04 | 49.69 | 44.70 | 6.70 | 28.20 | -9.80 | 39.89 | 74.00 | -34.11 | PK | Horizontal |
| 3265.04 | 39.75 | 44.70 | 6.70 | 28.20 | -9.80 | 29.95 | 54.00 | -24.05 | AV | Horizontal |
| 4924.82 | 59.99 | 44.20 | 9.04 | 31.60 | -3.56 | 56.43 | 74.00 | -17.57 | PK | Vertical |
| 4924.82 | 40.08 | 44.20 | 9.04 | 31.60 | -3.56 | 36.52 | 54.00 | -17.48 | AV | Vertical |
| 4924.78 | 60.03 | 44.20 | 9.04 | 31.60 | -3.56 | 56.47 | 74.00 | -17.53 | PK | Horizontal |
| 4924.78 | 39.97 | 44.20 | 9.04 | 31.60 | -3.56 | 36.41 | 54.00 | -17.59 | AV | Horizontal |
| 5360.04 | 46.91 | 44.20 | 9.86 | 32.00 | -2.34 | 44.57 | 74.00 | -29.43 | PK | Vertical |
| 5360.04 | 38.96 | 44.20 | 9.86 | 32.00 | -2.34 | 36.62 | 54.00 | -17.38 | AV | Vertical |
| 5360.03 | 46.99 | 44.20 | 9.86 | 32.00 | -2.34 | 44.65 | 74.00 | -29.35 | PK | Horizontal |
| 5360.03 | 38.90 | 44.20 | 9.86 | 32.00 | -2.34 | 36.56 | 54.00 | -17.44 | AV | Horizontal |
| 7386.16 | 52.39 | 43.50 | 11.40 | 35.50 | 3.40 | 55.79 | 74.00 | -18.21 | PK | Vertical |
| 7386.16 | 35.39 | 43.50 | 11.40 | 35.50 | 3.40 | 38.79 | 54.00 | -15.21 | AV | Vertical |
| 7386.20 | 52.46 | 43.50 | 11.40 | 35.50 | 3.40 | 55.86 | 74.00 | -18.14 | PK | Horizontal |
| 7386.20 | 35.39 | 43.50 | 11.40 | 35.50 | 3.40 | 38.79 | 54.00 | -15.21 | AV | Horizontal |
| 11036.21 | 41.67 | 43.60 | 14.30 | 39.50 | 10.20 | 51.87 | 74.00 | -22.13 | PK | Vertical |
| 11036.21 | 31.63 | 43.60 | 14.30 | 39.50 | 10.20 | 41.83 | 54.00 | -12.17 | AV | Vertical |
| 11036.19 | 41.70 | 43.60 | 14.30 | 39.50 | 10.20 | 51.90 | 74.00 | -22.10 | PK | Horizontal |
| 11036.19 | 31.69 | 43.60 | 14.30 | 39.50 | 10.20 | 41.89 | 54.00 | -12.11 | AV | Horizontal |
| 16000.09 | 41.54 | 42.70 | 18.00 | 37.10 | 12.40 | 53.94 | 74.00 | -20.06 | PK | Vertical |
| 16000.09 | 29.52 | 42.70 | 18.00 | 37.10 | 12.40 | 41.92 | 54.00 | -12.08 | AV | Vertical |
| 16000.05 | 41.52 | 42.70 | 18.00 | 37.10 | 12.40 | 53.92 | 74.00 | -20.08 | PK | Horizontal |
| 16000.05 | 30.80 | 42.70 | 18.00 | 37.10 | 12.40 | 43.20 | 54.00 | -10.80 | AV | Horizontal |
| 17998.22 | 31.65 | 42.70 | 19.40 | 46.50 | 23.20 | 54.85 | 74.00 | -19.15 | PK | Vertical |
| 17998.22 | 20.70 | 42.70 | 19.40 | 46.50 | 23.20 | 43.90 | 54.00 | -10.10 | AV | Vertical |
| 17998.09 | 31.71 | 42.70 | 19.40 | 46.50 | 23.20 | 54.91 | 74.00 | -19.09 | PK | Horizontal |
| 17998.09 | 20.73 | 42.70 | 19.40 | 46.50 | 23.20 | 43.93 | 54.00 | -10.07 | AV | Horizontal |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel 11n20(2412 MHz) | | | | | | | | | | |
| 3265.10 | 49.82 | 44.70 | 6.70 | 28.20 | -9.80 | 40.02 | 74.00 | -33.98 | PK | Vertical |
| 3265.10 | 39.82 | 44.70 | 6.70 | 28.20 | -9.80 | 30.02 | 54.00 | -23.98 | AV | Vertical |
| 3265.06 | 49.77 | 44.70 | 6.70 | 28.20 | -9.80 | 39.97 | 74.00 | -34.03 | PK | Horizontal |
| 3265.06 | 39.83 | 44.70 | 6.70 | 28.20 | -9.80 | 30.03 | 54.00 | -23.97 | AV | Horizontal |
| 4824.78 | 60.10 | 44.20 | 9.04 | 31.60 | -3.56 | 56.54 | 74.00 | -17.46 | PK | Vertical |
| 4824.78 | 40.11 | 44.20 | 9.04 | 31.60 | -3.56 | 36.55 | 54.00 | -17.45 | AV | Vertical |
| 4824.81 | 60.13 | 44.20 | 9.04 | 31.60 | -3.56 | 56.57 | 74.00 | -17.43 | PK | Horizontal |
| 4824.81 | 40.10 | 44.20 | 9.04 | 31.60 | -3.56 | 36.54 | 54.00 | -17.46 | AV | Horizontal |
| 5360.09 | 46.95 | 44.20 | 9.86 | 32.00 | -2.34 | 44.61 | 74.00 | -29.39 | PK | Vertical |
| 5360.09 | 38.93 | 44.20 | 9.86 | 32.00 | -2.34 | 36.59 | 54.00 | -17.41 | AV | Vertical |
| 5360.07 | 47.07 | 44.20 | 9.86 | 32.00 | -2.34 | 44.73 | 74.00 | -29.27 | PK | Horizontal |
| 5360.07 | 39.03 | 44.20 | 9.86 | 32.00 | -2.34 | 36.69 | 54.00 | -17.31 | AV | Horizontal |
| 7236.18 | 52.52 | 43.50 | 11.40 | 35.50 | 3.40 | 55.92 | 74.00 | -18.08 | PK | Vertical |
| 7236.18 | 34.48 | 43.50 | 11.40 | 35.50 | 3.40 | 37.88 | 54.00 | -16.12 | AV | Vertical |
| 7236.16 | 52.48 | 43.50 | 11.40 | 35.50 | 3.40 | 55.88 | 74.00 | -18.12 | PK | Horizontal |
| 7236.16 | 34.51 | 43.50 | 11.40 | 35.50 | 3.40 | 37.91 | 54.00 | -16.09 | AV | Horizontal |
| 11036.22 | 41.76 | 43.60 | 14.30 | 39.50 | 10.20 | 51.96 | 74.00 | -22.04 | PK | Vertical |
| 11036.22 | 31.73 | 43.60 | 14.30 | 39.50 | 10.20 | 41.93 | 54.00 | -12.07 | AV | Vertical |
| 11036.47 | 41.72 | 43.60 | 14.30 | 39.50 | 10.20 | 51.92 | 74.00 | -22.08 | PK | Horizontal |
| 11036.47 | 31.69 | 43.60 | 14.30 | 39.50 | 10.20 | 41.89 | 54.00 | -12.11 | AV | Horizontal |
| 13299.62 | 41.60 | 42.60 | 15.90 | 38.90 | 12.20 | 53.80 | 74.00 | -20.20 | PK | Vertical |
| 13299.62 | 28.54 | 42.60 | 15.90 | 38.90 | 12.20 | 40.74 | 54.00 | -13.26 | AV | Vertical |
| 13299.74 | 41.63 | 42.60 | 15.90 | 38.90 | 12.20 | 53.83 | 74.00 | -20.17 | PK | Horizontal |
| 13299.74 | 30.57 | 42.60 | 15.90 | 38.90 | 12.20 | 42.77 | 54.00 | -11.23 | AV | Horizontal |
| 16000.15 | 41.62 | 42.70 | 18.00 | 37.10 | 12.40 | 54.02 | 74.00 | -19.98 | PK | Vertical |
| 16000.15 | 28.64 | 42.70 | 18.00 | 37.10 | 12.40 | 41.04 | 54.00 | -12.96 | AV | Vertical |
| 16000.04 | 41.59 | 42.70 | 18.00 | 37.10 | 12.40 | 53.99 | 74.00 | -20.01 | PK | Horizontal |
| 16000.04 | 30.89 | 42.70 | 18.00 | 37.10 | 12.40 | 43.29 | 54.00 | -10.71 | AV | Horizontal |
| 17998.14 | 31.78 | 42.70 | 19.40 | 46.50 | 23.20 | 54.98 | 74.00 | -19.02 | PK | Vertical |
| 17998.14 | 20.73 | 42.70 | 19.40 | 46.50 | 23.20 | 43.93 | 54.00 | -10.07 | AV | Vertical |
| 17998.01 | 31.77 | 42.70 | 19.40 | 46.50 | 23.20 | 54.97 | 74.00 | -19.03 | PK | Horizontal |
| 17998.01 | 19.77 | 42.70 | 19.40 | 46.50 | 23.20 | 42.97 | 54.00 | -11.03 | AV | Horizontal |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel 11n20(2437 MHz) | | | | | | | | | | |
| 3265.00 | 49.74 | 44.70 | 6.70 | 28.20 | -9.80 | 39.94 | 74.00 | -34.06 | PK | Vertical |
| 3265.00 | 39.70 | 44.70 | 6.70 | 28.20 | -9.80 | 29.90 | 54.00 | -24.10 | AV | Vertical |
| 3264.95 | 49.73 | 44.70 | 6.70 | 28.20 | -9.80 | 39.93 | 74.00 | -34.07 | PK | Horizontal |
| 3264.95 | 39.73 | 44.70 | 6.70 | 28.20 | -9.80 | 29.93 | 54.00 | -24.07 | AV | Horizontal |
| 4874.76 | 60.00 | 44.20 | 9.04 | 31.60 | -3.56 | 56.44 | 74.00 | -17.56 | PK | Vertical |
| 4874.76 | 40.03 | 44.20 | 9.04 | 31.60 | -3.56 | 36.47 | 54.00 | -17.53 | AV | Vertical |
| 4874.70 | 60.05 | 44.20 | 9.04 | 31.60 | -3.56 | 56.49 | 74.00 | -17.51 | PK | Horizontal |
| 4874.70 | 39.96 | 44.20 | 9.04 | 31.60 | -3.56 | 36.40 | 54.00 | -17.60 | AV | Horizontal |
| 5359.97 | 46.89 | 44.20 | 9.86 | 32.00 | -2.34 | 44.55 | 74.00 | -29.45 | PK | Vertical |
| 5359.97 | 38.90 | 44.20 | 9.86 | 32.00 | -2.34 | 36.56 | 54.00 | -17.44 | AV | Vertical |
| 5360.00 | 46.98 | 44.20 | 9.86 | 32.00 | -2.34 | 44.64 | 74.00 | -29.36 | PK | Horizontal |
| 5360.00 | 38.91 | 44.20 | 9.86 | 32.00 | -2.34 | 36.57 | 54.00 | -17.43 | AV | Horizontal |
| 7336.05 | 52.40 | 43.50 | 11.40 | 35.50 | 3.40 | 55.80 | 74.00 | -18.20 | PK | Vertical |
| 7336.05 | 34.40 | 43.50 | 11.40 | 35.50 | 3.40 | 37.80 | 54.00 | -16.20 | AV | Vertical |
| 7336.04 | 52.43 | 43.50 | 11.40 | 35.50 | 3.40 | 55.83 | 74.00 | -18.17 | PK | Horizontal |
| 7336.04 | 34.37 | 43.50 | 11.40 | 35.50 | 3.40 | 37.77 | 54.00 | -16.23 | AV | Horizontal |
| 11036.11 | 41.70 | 43.60 | 14.30 | 39.50 | 10.20 | 51.90 | 74.00 | -22.10 | PK | Vertical |
| 11036.11 | 31.62 | 43.60 | 14.30 | 39.50 | 10.20 | 41.82 | 54.00 | -12.18 | AV | Vertical |
| 11036.11 | 41.71 | 43.60 | 14.30 | 39.50 | 10.20 | 51.91 | 74.00 | -22.09 | PK | Horizontal |
| 11036.11 | 31.66 | 43.60 | 14.30 | 39.50 | 10.20 | 41.86 | 54.00 | -12.14 | AV | Horizontal |
| 13299.71 | 41.52 | 42.60 | 15.90 | 38.90 | 12.20 | 53.72 | 74.00 | -20.28 | PK | Vertical |
| 13299.71 | 31.48 | 42.60 | 15.90 | 38.90 | 12.20 | 43.68 | 54.00 | -10.32 | AV | Vertical |
| 13299.62 | 41.54 | 42.60 | 15.90 | 38.90 | 12.20 | 53.74 | 74.00 | -20.26 | PK | Horizontal |
| 13299.62 | 30.47 | 42.60 | 15.90 | 38.90 | 12.20 | 42.67 | 54.00 | -11.33 | AV | Horizontal |
| 15999.98 | 41.58 | 42.70 | 18.00 | 37.10 | 12.40 | 53.98 | 74.00 | -20.02 | PK | Vertical |
| 15999.98 | 28.53 | 42.70 | 18.00 | 37.10 | 12.40 | 40.93 | 54.00 | -13.07 | AV | Vertical |
| 15999.99 | 41.54 | 42.70 | 18.00 | 37.10 | 12.40 | 53.94 | 74.00 | -20.06 | PK | Horizontal |
| 15999.99 | 30.85 | 42.70 | 18.00 | 37.10 | 12.40 | 43.25 | 54.00 | -10.75 | AV | Horizontal |
| 17998.13 | 31.67 | 42.70 | 19.40 | 46.50 | 23.20 | 54.87 | 74.00 | -19.13 | PK | Vertical |
| 17998.13 | 21.73 | 42.70 | 19.40 | 46.50 | 23.20 | 44.93 | 54.00 | -9.07 | AV | Vertical |
| 17998.00 | 31.72 | 42.70 | 19.40 | 46.50 | 23.20 | 54.92 | 74.00 | -19.08 | PK | Horizontal |
| 17998.00 | 21.65 | 42.70 | 19.40 | 46.50 | 23.20 | 44.85 | 54.00 | -9.15 | AV | Horizontal |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel 11n20(2462 MHz) | | | | | | | | | | |
| 3265.07 | 49.64 | 44.70 | 6.70 | 28.20 | -9.80 | 39.84 | 74.00 | -34.16 | PK | Vertical |
| 3265.07 | 39.59 | 44.70 | 6.70 | 28.20 | -9.80 | 29.79 | 54.00 | -24.21 | AV | Vertical |
| 3265.04 | 49.61 | 44.70 | 6.70 | 28.20 | -9.80 | 39.81 | 74.00 | -34.19 | PK | Horizontal |
| 3265.04 | 39.68 | 44.70 | 6.70 | 28.20 | -9.80 | 29.88 | 54.00 | -24.12 | AV | Horizontal |
| 4924.82 | 59.91 | 44.20 | 9.04 | 31.60 | -3.56 | 56.35 | 74.00 | -17.65 | PK | Vertical |
| 4924.82 | 39.98 | 44.20 | 9.04 | 31.60 | -3.56 | 36.42 | 54.00 | -17.58 | AV | Vertical |
| 4924.78 | 59.95 | 44.20 | 9.04 | 31.60 | -3.56 | 56.39 | 74.00 | -17.61 | PK | Horizontal |
| 4924.78 | 39.91 | 44.20 | 9.04 | 31.60 | -3.56 | 36.35 | 54.00 | -17.65 | AV | Horizontal |
| 5360.04 | 46.82 | 44.20 | 9.86 | 32.00 | -2.34 | 44.48 | 74.00 | -29.52 | PK | Vertical |
| 5360.04 | 38.88 | 44.20 | 9.86 | 32.00 | -2.34 | 36.54 | 54.00 | -17.46 | AV | Vertical |
| 5360.03 | 46.93 | 44.20 | 9.86 | 32.00 | -2.34 | 44.59 | 74.00 | -29.41 | PK | Horizontal |
| 5360.03 | 38.84 | 44.20 | 9.86 | 32.00 | -2.34 | 36.50 | 54.00 | -17.50 | AV | Horizontal |
| 7386.16 | 52.31 | 43.50 | 11.40 | 35.50 | 3.40 | 55.71 | 74.00 | -18.29 | PK | Vertical |
| 7386.16 | 35.31 | 43.50 | 11.40 | 35.50 | 3.40 | 38.71 | 54.00 | -15.29 | AV | Vertical |
| 7386.20 | 52.37 | 43.50 | 11.40 | 35.50 | 3.40 | 55.77 | 74.00 | -18.23 | PK | Horizontal |
| 7386.20 | 35.32 | 43.50 | 11.40 | 35.50 | 3.40 | 38.72 | 54.00 | -15.28 | AV | Horizontal |
| 11036.21 | 41.59 | 43.60 | 14.30 | 39.50 | 10.20 | 51.79 | 74.00 | -22.21 | PK | Vertical |
| 11036.21 | 31.56 | 43.60 | 14.30 | 39.50 | 10.20 | 41.76 | 54.00 | -12.24 | AV | Vertical |
| 11036.19 | 41.65 | 43.60 | 14.30 | 39.50 | 10.20 | 51.85 | 74.00 | -22.15 | PK | Horizontal |
| 11036.19 | 31.63 | 43.60 | 14.30 | 39.50 | 10.20 | 41.83 | 54.00 | -12.17 | AV | Horizontal |
| 16000.09 | 41.45 | 42.70 | 18.00 | 37.10 | 12.40 | 53.85 | 74.00 | -20.15 | PK | Vertical |
| 16000.09 | 29.45 | 42.70 | 18.00 | 37.10 | 12.40 | 41.85 | 54.00 | -12.15 | AV | Vertical |
| 16000.05 | 41.43 | 42.70 | 18.00 | 37.10 | 12.40 | 53.83 | 74.00 | -20.17 | PK | Horizontal |
| 16000.05 | 30.72 | 42.70 | 18.00 | 37.10 | 12.40 | 43.12 | 54.00 | -10.88 | AV | Horizontal |
| 17998.22 | 31.56 | 42.70 | 19.40 | 46.50 | 23.20 | 54.76 | 74.00 | -19.24 | PK | Vertical |
| 17998.22 | 20.65 | 42.70 | 19.40 | 46.50 | 23.20 | 43.85 | 54.00 | -10.15 | AV | Vertical |
| 17998.09 | 31.64 | 42.70 | 19.40 | 46.50 | 23.20 | 54.84 | 74.00 | -19.16 | PK | Horizontal |
| 17998.09 | 20.66 | 42.70 | 19.40 | 46.50 | 23.20 | 43.86 | 54.00 | -10.14 | AV | Horizontal |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel BLE(2402 MHz) | | | | | | | | | | |
| 3265.26 | 40.08 | 44.70 | 6.70 | 28.20 | -9.80 | 30.28 | 54.00 | -23.72 | AV | Vertical |
| 3265.23 | 50.13 | 44.70 | 6.70 | 28.20 | -9.80 | 40.33 | 74.00 | -33.67 | PK | Horizontal |
| 3265.23 | 40.10 | 44.70 | 6.70 | 28.20 | -9.80 | 30.30 | 54.00 | -23.70 | AV | Horizontal |
| 4803.93 | 60.37 | 44.20 | 9.04 | 31.60 | -3.56 | 56.81 | 74.00 | -17.19 | PK | Vertical |
| 4803.93 | 40.38 | 44.20 | 9.04 | 31.60 | -3.56 | 36.82 | 54.00 | -17.18 | AV | Vertical |
| 4804.91 | 60.44 | 44.20 | 9.04 | 31.60 | -3.56 | 56.88 | 74.00 | -17.12 | PK | Horizontal |
| 4804.91 | 40.38 | 44.20 | 9.04 | 31.60 | -3.56 | 36.82 | 54.00 | -17.18 | AV | Horizontal |
| 5360.20 | 47.30 | 44.20 | 9.86 | 32.00 | -2.34 | 44.96 | 74.00 | -29.04 | PK | Vertical |
| 5360.20 | 39.31 | 44.20 | 9.86 | 32.00 | -2.34 | 36.97 | 54.00 | -17.03 | AV | Vertical |
| 5360.20 | 47.33 | 44.20 | 9.86 | 32.00 | -2.34 | 44.99 | 74.00 | -29.01 | PK | Horizontal |
| 5360.20 | 39.30 | 44.20 | 9.86 | 32.00 | -2.34 | 36.96 | 54.00 | -17.04 | AV | Horizontal |
| 7206.29 | 52.78 | 43.50 | 11.40 | 35.50 | 3.40 | 56.18 | 74.00 | -17.82 | PK | Vertical |
| 7206.29 | 34.76 | 43.50 | 11.40 | 35.50 | 3.40 | 38.16 | 54.00 | -15.84 | AV | Vertical |
| 7206.33 | 52.79 | 43.50 | 11.40 | 35.50 | 3.40 | 56.19 | 74.00 | -17.81 | PK | Horizontal |
| 7206.33 | 34.79 | 43.50 | 11.40 | 35.50 | 3.40 | 38.19 | 54.00 | -15.81 | AV | Horizontal |
| 11036.36 | 42.05 | 43.60 | 14.30 | 39.50 | 10.20 | 52.25 | 74.00 | -21.75 | PK | Vertical |
| 11036.36 | 32.02 | 43.60 | 14.30 | 39.50 | 10.20 | 42.22 | 54.00 | -11.78 | AV | Vertical |
| 11036.59 | 42.00 | 43.60 | 14.30 | 39.50 | 10.20 | 52.20 | 74.00 | -21.80 | PK | Horizontal |
| 11036.59 | 32.02 | 43.60 | 14.30 | 39.50 | 10.20 | 42.22 | 54.00 | -11.78 | AV | Horizontal |
| 13299.74 | 41.84 | 42.60 | 15.90 | 38.90 | 12.20 | 54.04 | 74.00 | -19.96 | PK | Vertical |
| 13299.74 | 28.87 | 42.60 | 15.90 | 38.90 | 12.20 | 41.07 | 54.00 | -12.93 | AV | Vertical |
| 13299.88 | 41.87 | 42.60 | 15.90 | 38.90 | 12.20 | 54.07 | 74.00 | -19.93 | Pk | Horizontal |
| 13299.88 | 30.87 | 42.60 | 15.90 | 38.90 | 12.20 | 43.07 | 54.00 | -10.93 | AV | Horizontal |
| 16000.29 | 41.94 | 42.70 | 18.00 | 37.10 | 12.40 | 54.34 | 74.00 | -19.66 | PK | Vertical |
| 16000.29 | 27.87 | 42.70 | 18.00 | 37.10 | 12.40 | 40.27 | 54.00 | -13.73 | AV | Vertical |
| 16000.20 | 41.93 | 42.70 | 18.00 | 37.10 | 12.40 | 54.33 | 74.00 | -19.67 | PK | Horizontal |
| 16000.20 | 29.16 | 42.70 | 18.00 | 37.10 | 12.40 | 41.56 | 54.00 | -12.44 | AV | Horizontal |
| 17998.30 | 32.09 | 42.70 | 19.40 | 46.50 | 23.20 | 55.29 | 74.00 | -18.71 | PK | Vertical |
| 17998.30 | 20.10 | 42.70 | 19.40 | 46.50 | 23.20 | 43.30 | 54.00 | -10.70 | AV | Vertical |
| 17998.16 | 32.12 | 42.70 | 19.40 | 46.50 | 23.20 | 55.32 | 74.00 | -18.68 | PK | Horizontal |
| 17998.16 | 20.06 | 42.70 | 19.40 | 46.50 | 23.20 | 43.26 | 54.00 | -10.74 | AV | Horizontal |
| 3265.26 | 40.08 | 44.70 | 6.70 | 28.20 | -9.80 | 30.28 | 54.00 | -23.72 | AV | Vertical |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel BLE(2440 MHz) | | | | | | | | | | |
| 3265.16 | 50.06 | 44.70 | 6.70 | 28.20 | -9.80 | 40.26 | 74.00 | -33.74 | PK | Vertical |
| 3265.16 | 40.02 | 44.70 | 6.70 | 28.20 | -9.80 | 30.22 | 54.00 | -23.78 | AV | Vertical |
| 3265.17 | 50.04 | 44.70 | 6.70 | 28.20 | -9.80 | 40.24 | 74.00 | -33.76 | PK | Horizontal |
| 3265.17 | 40.02 | 44.70 | 6.70 | 28.20 | -9.80 | 30.22 | 54.00 | -23.78 | AV | Horizontal |
| 4880.85 | 60.31 | 44.20 | 9.04 | 31.60 | -3.56 | 56.75 | 74.00 | -17.25 | PK | Vertical |
| 4880.85 | 40.34 | 44.20 | 9.04 | 31.60 | -3.56 | 36.78 | 54.00 | -17.22 | AV | Vertical |
| 4880.80 | 60.30 | 44.20 | 9.04 | 31.60 | -3.56 | 56.74 | 74.00 | -17.26 | PK | Horizontal |
| 4880.80 | 40.31 | 44.20 | 9.04 | 31.60 | -3.56 | 36.75 | 54.00 | -17.25 | AV | Horizontal |
| 5360.10 | 47.26 | 44.20 | 9.86 | 32.00 | -2.34 | 44.92 | 74.00 | -29.08 | PK | Vertical |
| 5360.10 | 39.23 | 44.20 | 9.86 | 32.00 | -2.34 | 36.89 | 54.00 | -17.11 | AV | Vertical |
| 5360.02 | 47.23 | 44.20 | 9.86 | 32.00 | -2.34 | 44.89 | 74.00 | -29.11 | PK | Horizontal |
| 5360.02 | 39.22 | 44.20 | 9.86 | 32.00 | -2.34 | 36.88 | 54.00 | -17.12 | AV | Horizontal |
| 7320.20 | 52.73 | 43.50 | 11.40 | 35.50 | 3.40 | 56.13 | 74.00 | -17.87 | PK | Vertical |
| 7320.20 | 34.66 | 43.50 | 11.40 | 35.50 | 3.40 | 38.06 | 54.00 | -15.94 | AV | Vertical |
| 7320.58 | 52.76 | 43.50 | 11.40 | 35.50 | 3.40 | 56.16 | 74.00 | -17.84 | PK | Horizontal |
| 7320.58 | 44.73 | 43.50 | 11.40 | 35.50 | 3.40 | 48.13 | 54.00 | -5.87 | AV | Horizontal |
| 11036.30 | 41.98 | 43.60 | 14.30 | 39.50 | 10.20 | 52.18 | 74.00 | -21.82 | PK | Vertical |
| 11036.30 | 32.00 | 43.60 | 14.30 | 39.50 | 10.20 | 42.20 | 54.00 | -11.80 | AV | Vertical |
| 11036.47 | 41.93 | 43.60 | 14.30 | 39.50 | 10.20 | 52.13 | 74.00 | -21.87 | PK | Horizontal |
| 11036.47 | 31.94 | 43.60 | 14.30 | 39.50 | 10.20 | 42.14 | 54.00 | -11.86 | AV | Horizontal |
| 13299.83 | 41.74 | 42.60 | 15.90 | 38.90 | 12.20 | 53.94 | 74.00 | -20.06 | PK | Vertical |
| 13299.83 | 28.79 | 42.60 | 15.90 | 38.90 | 12.20 | 40.99 | 54.00 | -13.01 | AV | Vertical |
| 13299.75 | 41.82 | 42.60 | 15.90 | 38.90 | 12.20 | 54.02 | 74.00 | -19.98 | Pk | Horizontal |
| 13299.75 | 30.80 | 42.60 | 15.90 | 38.90 | 12.20 | 43.00 | 54.00 | -11.00 | AV | Horizontal |
| 16000.14 | 41.89 | 42.70 | 18.00 | 37.10 | 12.40 | 54.29 | 74.00 | -19.71 | PK | Vertical |
| 16000.14 | 28.81 | 42.70 | 18.00 | 37.10 | 12.40 | 41.21 | 54.00 | -12.79 | AV | Vertical |
| 16000.09 | 41.86 | 42.70 | 18.00 | 37.10 | 12.40 | 54.26 | 74.00 | -19.74 | PK | Horizontal |
| 16000.09 | 31.08 | 42.70 | 18.00 | 37.10 | 12.40 | 43.48 | 54.00 | -10.52 | AV | Horizontal |
| 17998.29 | 31.96 | 42.70 | 19.40 | 46.50 | 23.20 | 55.16 | 74.00 | -18.84 | PK | Vertical |
| 17998.29 | 21.03 | 42.70 | 19.40 | 46.50 | 23.20 | 44.23 | 54.00 | -9.77 | AV | Vertical |
| 17998.17 | 32.04 | 42.70 | 19.40 | 46.50 | 23.20 | 55.24 | 74.00 | -18.76 | PK | Horizontal |
| 17998.17 | 21.02 | 42.70 | 19.40 | 46.50 | 23.20 | 44.22 | 54.00 | -9.78 | AV | Horizontal |

| Above 1000 MHz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
| Low Channel BLE(2480 MHz) | | | | | | | | | | |
| 3265.16 | 50.02 | 44.70 | 6.70 | 28.20 | -9.80 | 40.22 | 74.00 | -33.78 | PK | Vertical |
| 3265.16 | 40.03 | 44.70 | 6.70 | 28.20 | -9.80 | 30.23 | 54.00 | -23.77 | AV | Vertical |
| 3265.16 | 50.04 | 44.70 | 6.70 | 28.20 | -9.80 | 40.24 | 74.00 | -33.76 | PK | Horizontal |
| 3265.16 | 40.06 | 44.70 | 6.70 | 28.20 | -9.80 | 30.26 | 54.00 | -23.74 | AV | Horizontal |
| 4960.84 | 60.33 | 44.20 | 9.04 | 31.60 | -3.56 | 56.77 | 74.00 | -17.23 | PK | Vertical |
| 4960.84 | 40.30 | 44.20 | 9.04 | 31.60 | -3.56 | 36.74 | 54.00 | -17.26 | AV | Vertical |
| 4960.83 | 60.30 | 44.20 | 9.04 | 31.60 | -3.56 | 56.74 | 74.00 | -17.26 | PK | Horizontal |
| 4960.83 | 40.30 | 44.20 | 9.04 | 31.60 | -3.56 | 36.74 | 54.00 | -17.26 | AV | Horizontal |
| 5360.14 | 47.24 | 44.20 | 9.86 | 32.00 | -2.34 | 44.90 | 74.00 | -29.10 | PK | Vertical |
| 5360.14 | 39.25 | 44.20 | 9.86 | 32.00 | -2.34 | 36.91 | 54.00 | -17.09 | AV | Vertical |
| 5360.14 | 47.22 | 44.20 | 9.86 | 32.00 | -2.34 | 44.88 | 74.00 | -29.12 | PK | Horizontal |
| 5360.14 | 39.25 | 44.20 | 9.86 | 32.00 | -2.34 | 36.91 | 54.00 | -17.09 | AV | Horizontal |
| 7440.16 | 52.71 | 43.50 | 11.40 | 35.50 | 3.40 | 56.11 | 74.00 | -17.89 | PK | Vertical |
| 7440.16 | 35.67 | 43.50 | 11.40 | 35.50 | 3.40 | 39.07 | 54.00 | -14.93 | AV | Vertical |
| 7440.23 | 52.73 | 43.50 | 11.40 | 35.50 | 3.40 | 56.13 | 74.00 | -17.87 | PK | Horizontal |
| 7440.23 | 35.76 | 43.50 | 11.40 | 35.50 | 3.40 | 39.16 | 54.00 | -14.84 | AV | Horizontal |
| 11036.26 | 42.00 | 43.60 | 14.30 | 39.50 | 10.20 | 52.20 | 74.00 | -21.80 | PK | Vertical |
| 11036.26 | 31.95 | 43.60 | 14.30 | 39.50 | 10.20 | 42.15 | 54.00 | -11.85 | AV | Vertical |
| 11036.30 | 41.95 | 43.60 | 14.30 | 39.50 | 10.20 | 52.15 | 74.00 | -21.85 | PK | Horizontal |
| 11036.30 | 31.99 | 43.60 | 14.30 | 39.50 | 10.20 | 42.19 | 54.00 | -11.81 | AV | Horizontal |
| 16000.14 | 41.87 | 42.70 | 18.00 | 37.10 | 12.40 | 54.27 | 74.00 | -19.73 | PK | Vertical |
| 16000.14 | 28.81 | 42.70 | 18.00 | 37.10 | 12.40 | 41.21 | 54.00 | -12.79 | AV | Vertical |
| 16000.15 | 41.88 | 42.70 | 18.00 | 37.10 | 12.40 | 54.28 | 74.00 | -19.72 | PK | Horizontal |
| 16000.15 | 31.08 | 42.70 | 18.00 | 37.10 | 12.40 | 43.48 | 54.00 | -10.52 | AV | Horizontal |
| 17998.29 | 31.99 | 42.70 | 19.40 | 46.50 | 23.20 | 55.19 | 74.00 | -18.81 | PK | Vertical |
| 17998.29 | 20.04 | 42.70 | 19.40 | 46.50 | 23.20 | 43.24 | 54.00 | -10.76 | AV | Vertical |
| 17998.17 | 32.05 | 42.70 | 19.40 | 46.50 | 23.20 | 55.25 | 74.00 | -18.75 | PK | Horizontal |
| 17998.17 | 19.99 | 42.70 | 19.40 | 46.50 | 23.20 | 43.19 | 54.00 | -10.81 | AV | Horizontal |

## Radiated band edge:

| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| 802.11b | | | | | | | | | | |
| 2400.00 | 69.20 | 43.80 | 4.91 | 25.90 | -12.99 | 56.21 | 74 | -17.79 | PK | Vertical |
| 2400.00 | 54.99 | 43.80 | 4.91 | 25.90 | -12.99 | 42.00 | 54 | -12.00 | AV | Vertical |
| 2400.00 | 70.19 | 43.80 | 4.91 | 25.90 | -12.99 | 57.20 | 74 | -16.80 | PK | Horizontal |
| 2400.00 | 54.16 | 43.80 | 4.91 | 25.90 | -12.99 | 41.17 | 54 | -12.83 | AV | Horizontal |
| 2483.50 | 71.04 | 43.80 | 5.12 | 25.90 | -12.78 | 58.26 | 74 | -15.74 | PK | Vertical |
| 2483.50 | 54.02 | 43.80 | 5.12 | 25.90 | -12.78 | 41.24 | 54 | -12.76 | AV | Vertical |
| 2483.50 | 71.11 | 43.80 | 5.12 | 25.90 | -12.78 | 58.33 | 74 | -15.67 | PK | Horizontal |
| 2483.50 | 54.06 | 43.80 | 5.12 | 25.90 | -12.78 | 41.28 | 54 | -12.72 | AV | Horizontal |
| 802.11g | | | | | | | | | | |
| 2400.00 | 67.97 | 43.80 | 4.91 | 25.90 | -12.99 | 54.98 | 74 | -19.02 | PK | Vertical |
| 2400.00 | 54.09 | 43.80 | 4.91 | 25.90 | -12.99 | 41.10 | 54 | -12.90 | AV | Vertical |
| 2400.00 | 67.14 | 43.80 | 4.91 | 25.90 | -12.99 | 54.15 | 74 | -19.85 | PK | Horizontal |
| 2400.00 | 55.00 | 43.80 | 4.91 | 25.90 | -12.99 | 42.01 | 54 | -11.99 | AV | Horizontal |
| 2483.50 | 67.09 | 43.80 | 5.12 | 25.90 | -12.78 | 54.31 | 74 | -19.69 | PK | Vertical |
| 2483.50 | 54.26 | 43.80 | 5.12 | 25.90 | -12.78 | 41.48 | 54 | -12.52 | AV | Vertical |
| 2483.50 | 67.03 | 43.80 | 5.12 | 25.90 | -12.78 | 54.25 | 74 | -19.75 | PK | Horizontal |
| 2483.50 | 54.16 | 43.80 | 5.12 | 25.90 | -12.78 | 41.38 | 54 | -12.62 | AV | Horizontal |
| 802.11n20 | | | | | | | | | | |
| 2400.00 | 67.13 | 43.80 | 4.91 | 25.90 | -12.99 | 54.14 | 74 | -19.86 | PK | Vertical |
| 2400.00 | 54.05 | 43.80 | 4.91 | 25.90 | -12.99 | 41.06 | 54 | -12.94 | AV | Vertical |
| 2400.00 | 67.04 | 43.80 | 4.91 | 25.90 | -12.99 | 54.05 | 74 | -19.95 | PK | Horizontal |
| 2400.00 | 54.12 | 43.80 | 4.91 | 25.90 | -12.99 | 41.13 | 54 | -12.87 | AV | Horizontal |
| 2483.50 | 67.21 | 43.80 | 5.12 | 25.90 | -12.78 | 54.43 | 74 | -19.57 | PK | Vertical |
| 2483.50 | 54.07 | 43.80 | 5.12 | 25.90 | -12.78 | 41.29 | 54 | -12.71 | AV | Vertical |
| 2483.50 | 67.02 | 43.80 | 5.12 | 25.90 | -12.78 | 54.24 | 74 | -19.76 | PK | Horizontal |
| 2483.50 | 54.02 | 43.80 | 5.12 | 25.90 | -12.78 | 41.24 | 54 | -12.76 | AV | Horizontal |

**Radiated band edge:**

| Frequency (MHz) | Meter Reading (dBμV) | Amplifier （dB） | Loss （dB） | Antenna Factor （dB/m） | Orrected Factor （dB） | Emission Level (dBμV/m) | Limits (dBμV/m) | Margin (dB) | Detector Type | Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| BLE | | | | | | | | | | |
| 2400.00 | 6.61 | 43.80 | 4.91 | 25.90 | -12.99 | -6.38 | 74 | -80.38 | PK | Vertical |
| 2400.00 | 6.64 | 43.80 | 4.91 | 25.90 | -12.99 | -6.35 | 54 | -60.35 | AV | Vertical |
| 2400.00 | 6.63 | 43.80 | 4.91 | 25.90 | -12.99 | -6.36 | 74 | -80.36 | PK | Horizontal |
| 2400.00 | 8.99 | 43.80 | 4.91 | 25.90 | -12.99 | -4.00 | 54 | -58.00 | AV | Horizontal |
| 2483.50 | 8.99 | 43.80 | 5.12 | 25.90 | -12.78 | -3.79 | 74 | -77.79 | PK | Vertical |
| 2483.50 | 8.95 | 43.80 | 5.12 | 25.90 | -12.78 | -3.83 | 54 | -57.83 | AV | Vertical |
| 2483.50 | 8.98 | 43.80 | 5.12 | 25.90 | -12.78 | -3.80 | 74 | -77.80 | PK | Horizontal |
| 2483.50 | 9.78 | 43.80 | 5.12 | 25.90 | -12.78 | -3.00 | 54 | -57.00 | AV | Horizontal |

The measurements were more than 20 dB below the limit and not reported

Remark

1.The testing has been conformed to 10*2480 =24800MHz.

2.All other emissions more than 30dB below the limit.

# 7 Conducted Spurious Emission

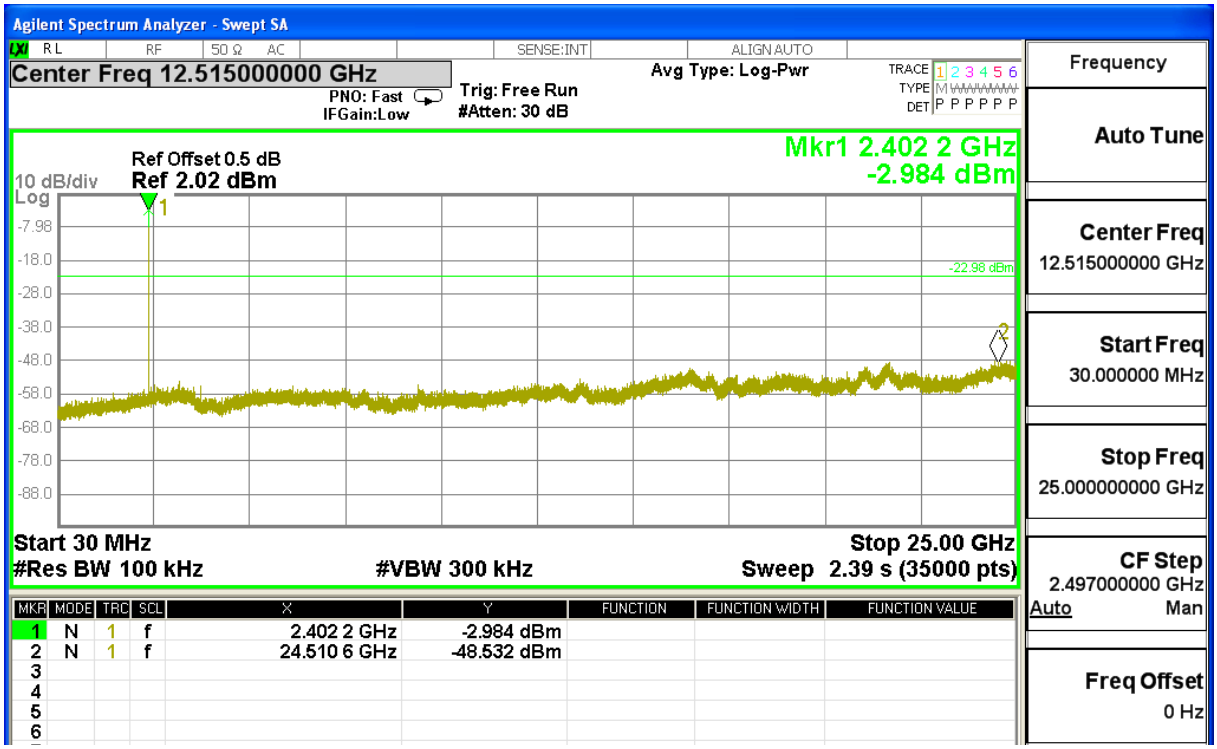
| | | |
|---|---|---|
| TestRequirement | : | FCC CFR47 Part 15 Section 15.247 |
| Test Method | : | ANSI C63.10:2013 |
| Test Limit | : | Regulation 15.247 (d),In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). |
| Test Mode | : | Refer to section 3.3 |

## 7.1 Test Procedure

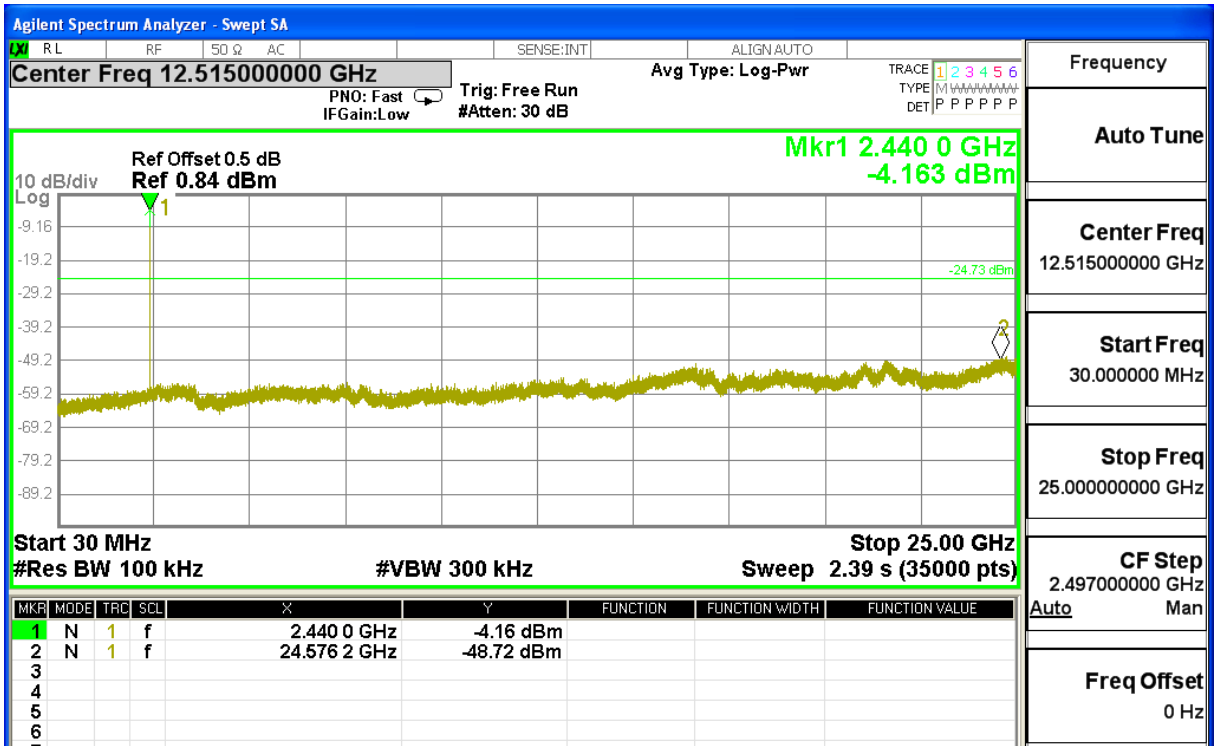
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to thespectrum;
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz, Sweep = auto
Detector function = peak, Trace = max hold

## 7.2 Test Result

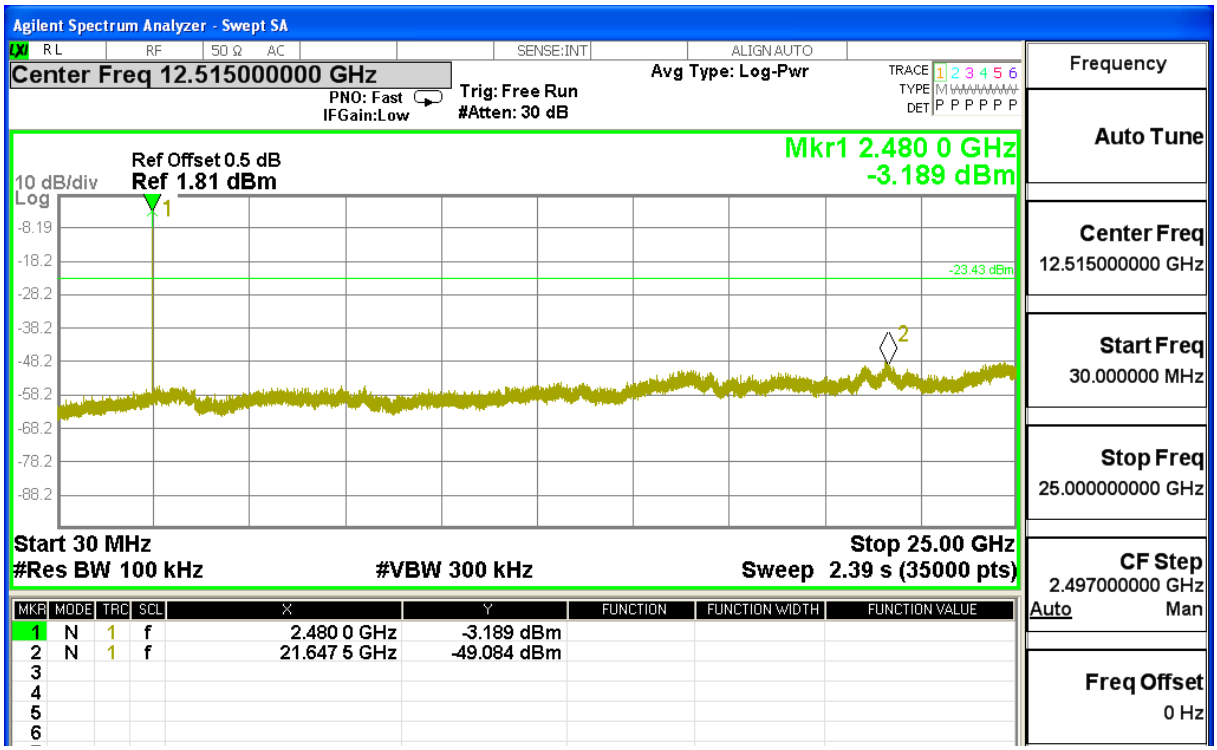
BLE Low Channel



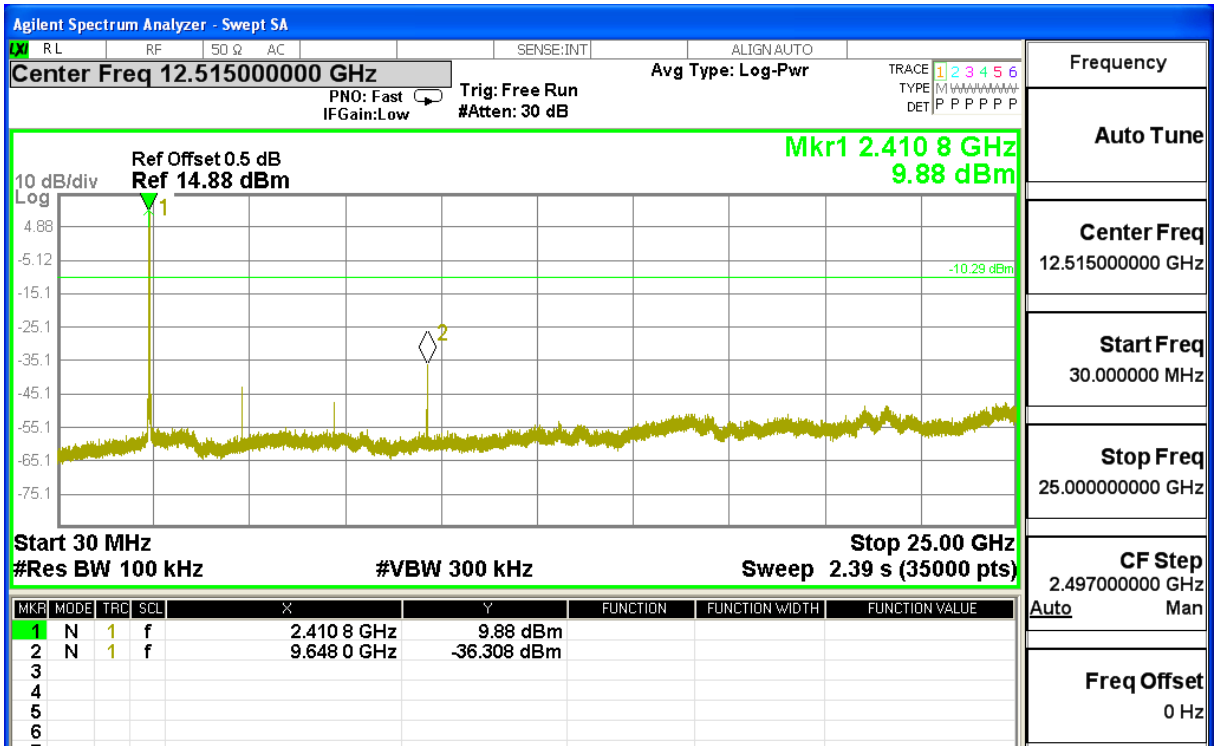
BLE Middle Channel



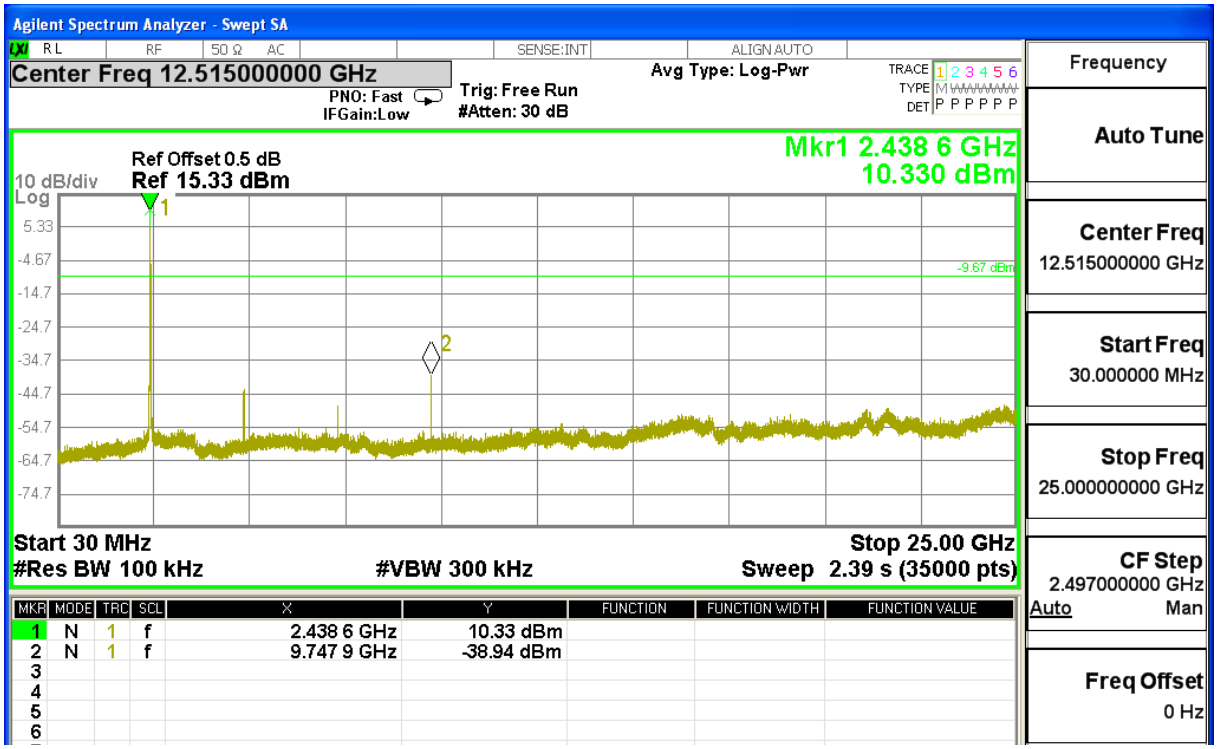

BLE High Channel



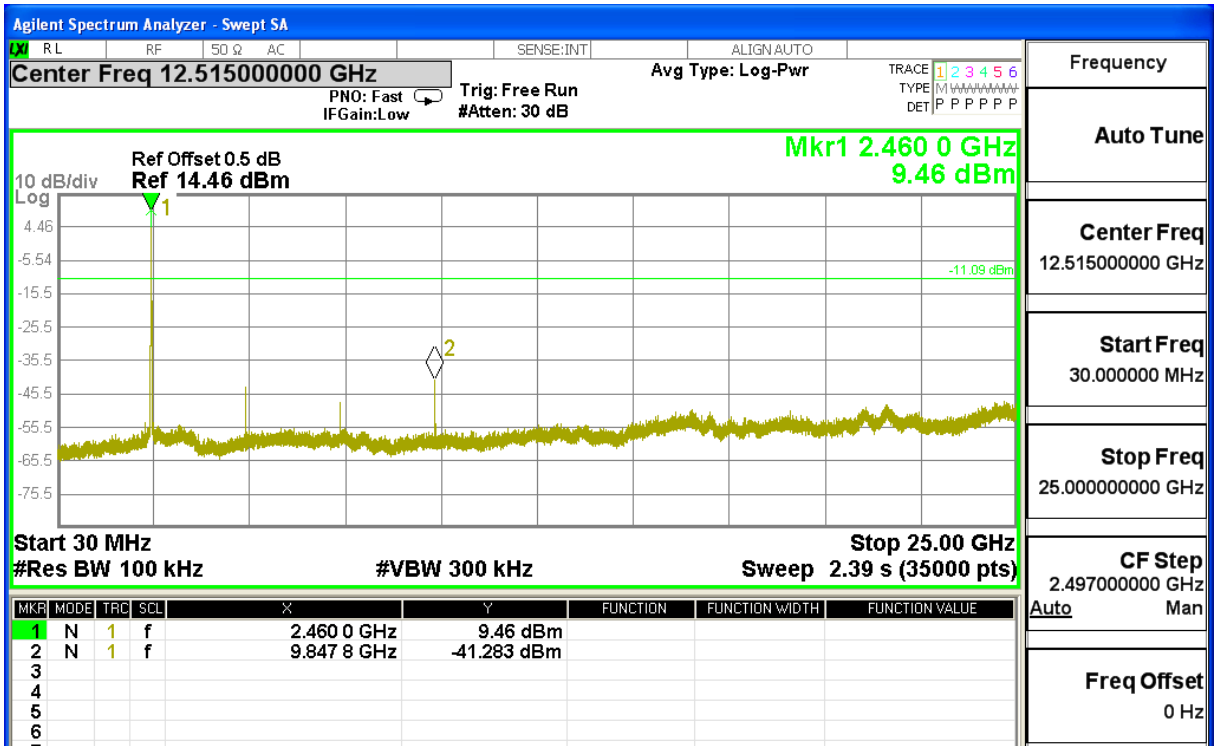
802.11b Low Channel




802.11b Middle Channel



802.11b High Channel




Remark: Scan with 802.11b/g/n HT20/n HT40, The worst case(802.11b mode) was recorded.

# 8 Band Edge Measurement

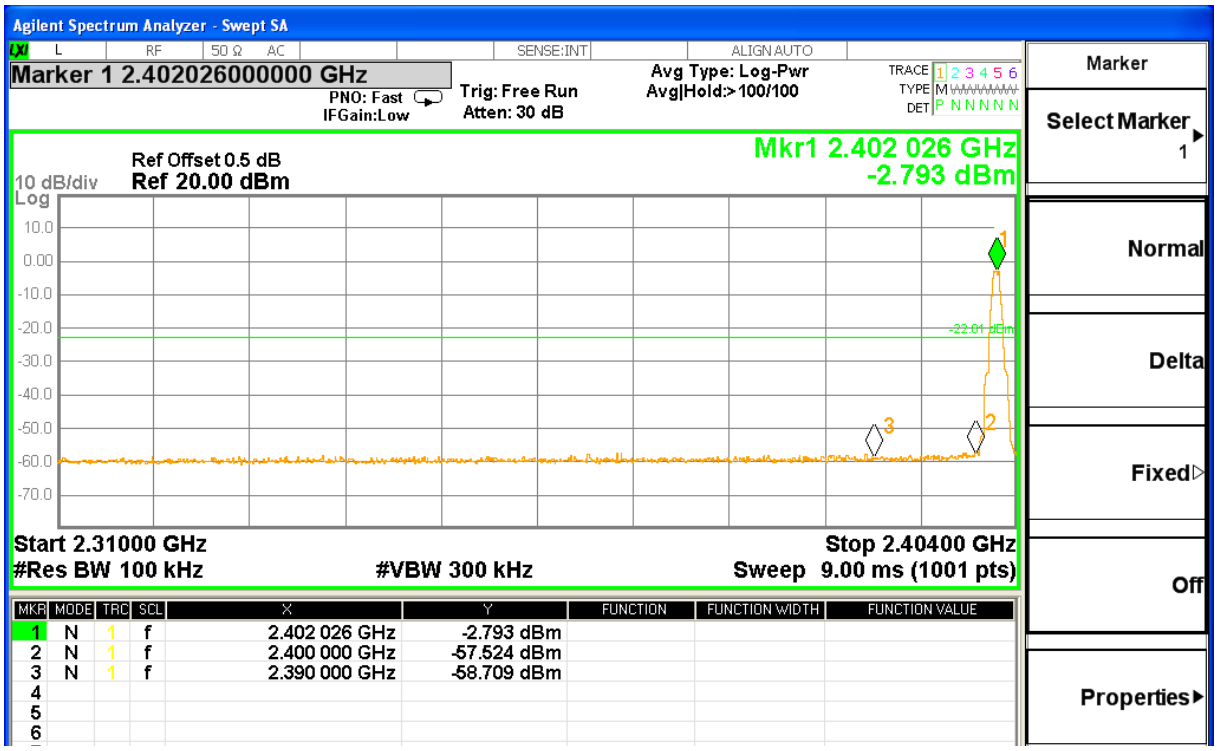
| | | |
|---|---|---|
| TestRequirement | : | Section 15.247(d) In addition, radiated emissions which fall in the restricted bands. as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)). |
| Test Method | : | ANSI C63.10:2013 |
| Test Limit | : | Regulation 15.247 (d),In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). |
| Test Mode | : | Refer to section 3.3 |

## 8.1 Test Procedure

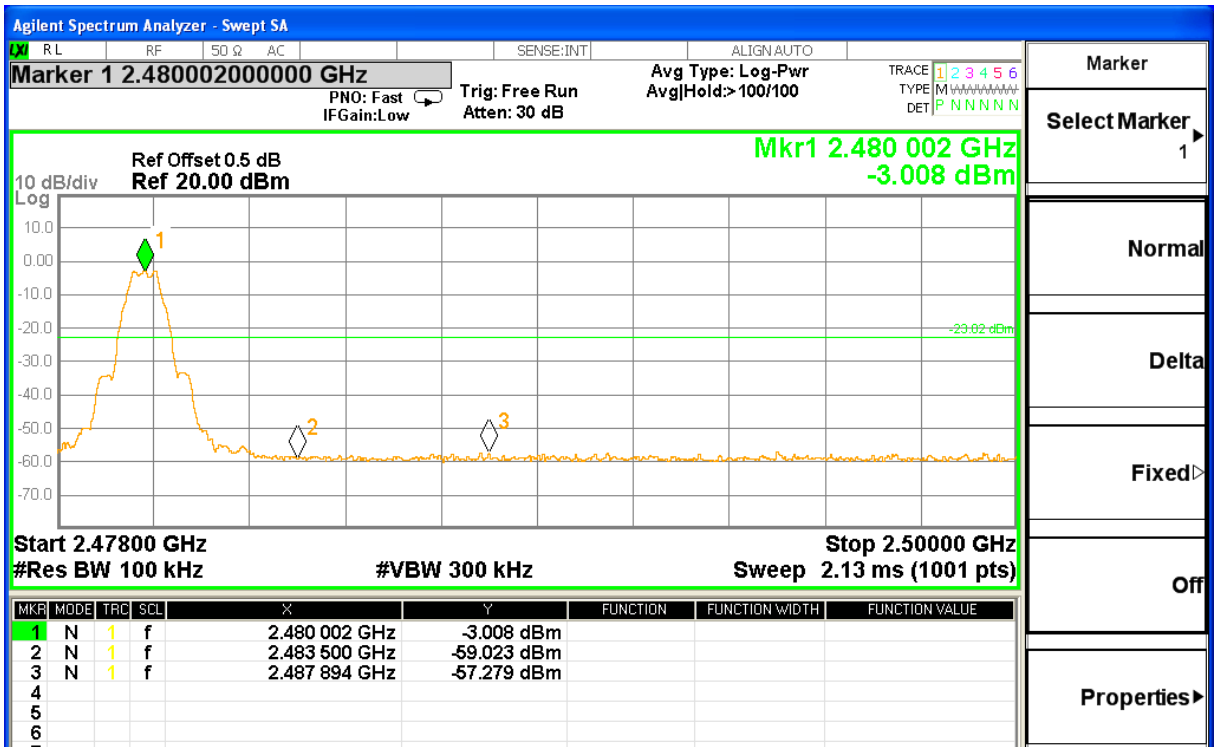
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to thespectrum;
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz, Sweep = auto
Detector function = peak, Trace = max hold

## 8.2 Test Result

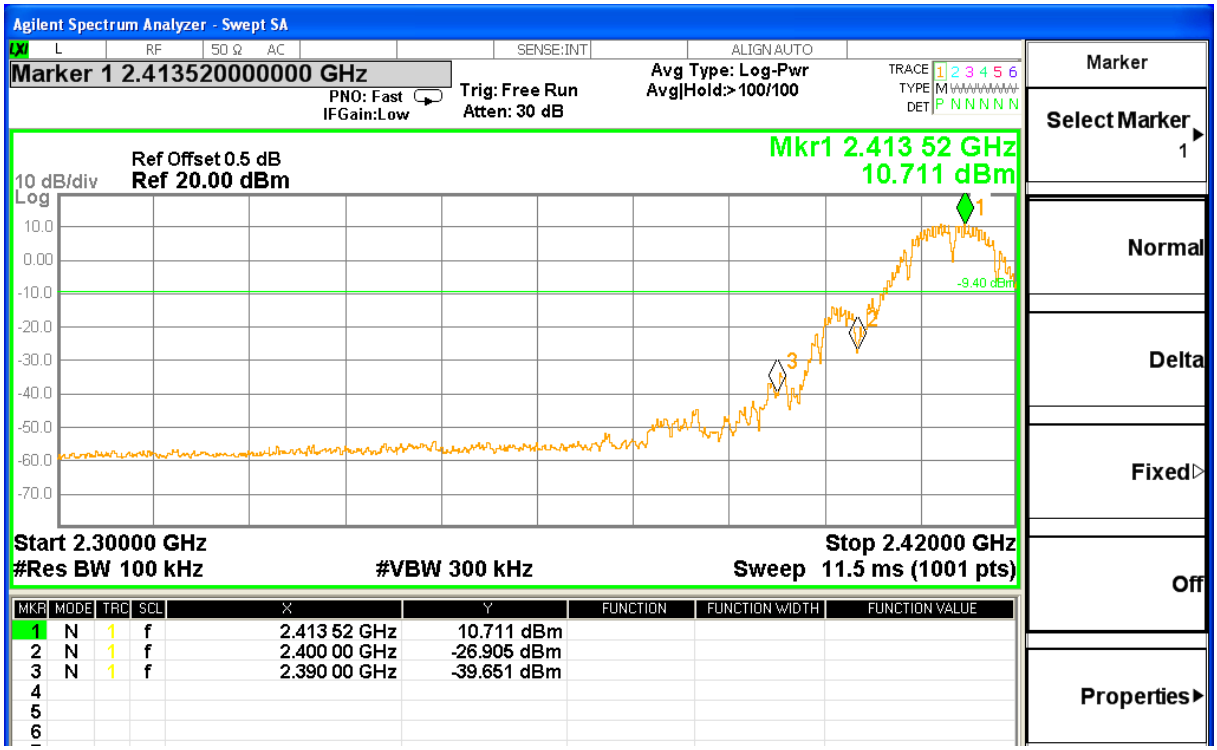
GFSK(BLE) Band edge-left side



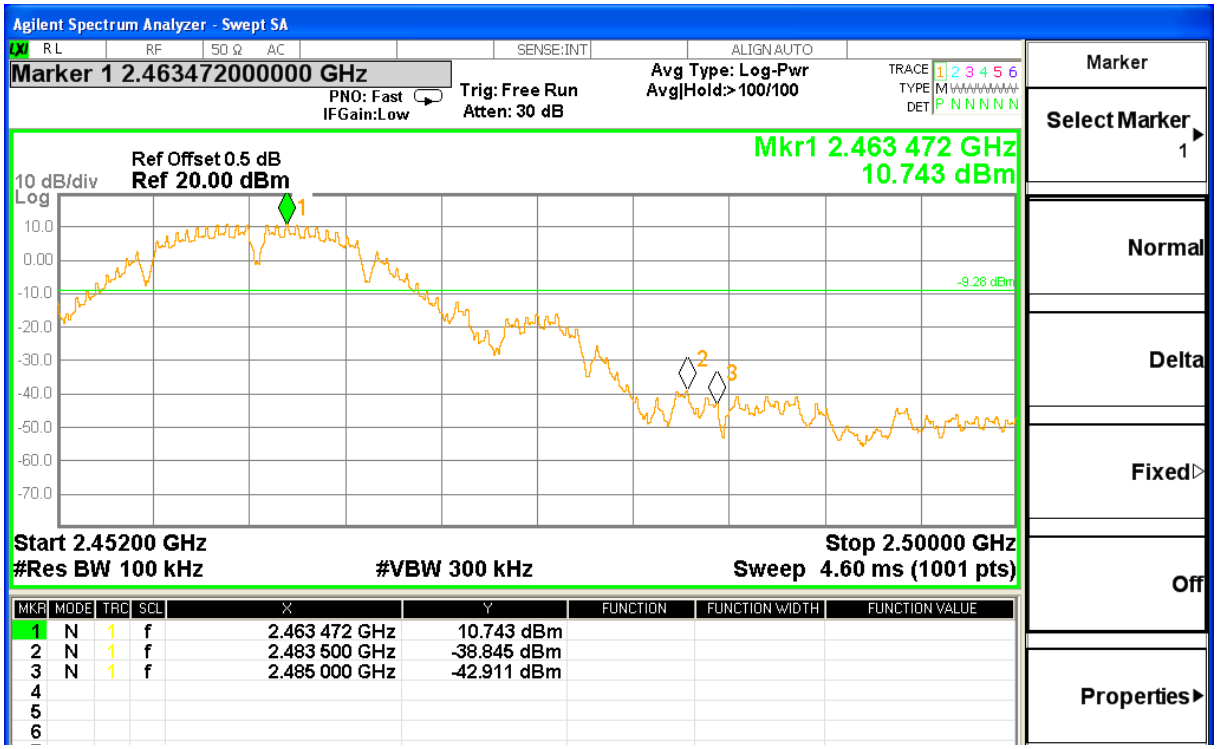

GFSK(BLE) Band edge-right side



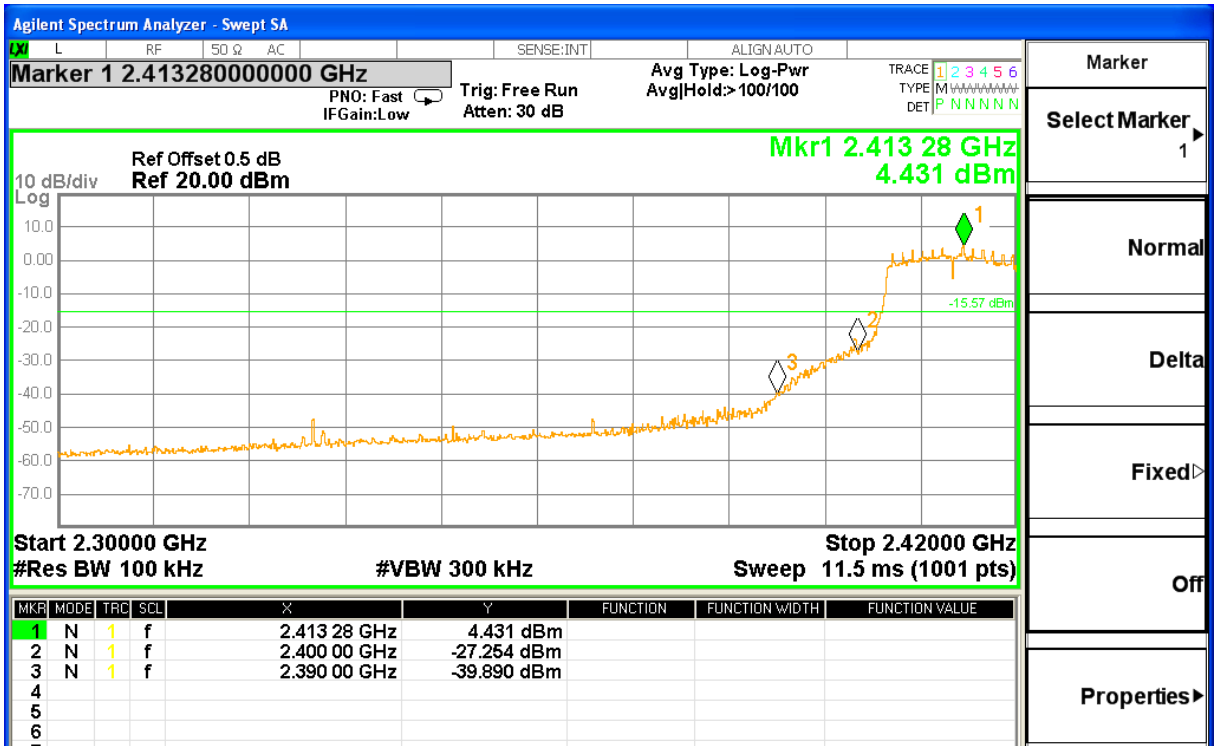
802.11b Band edge-left side



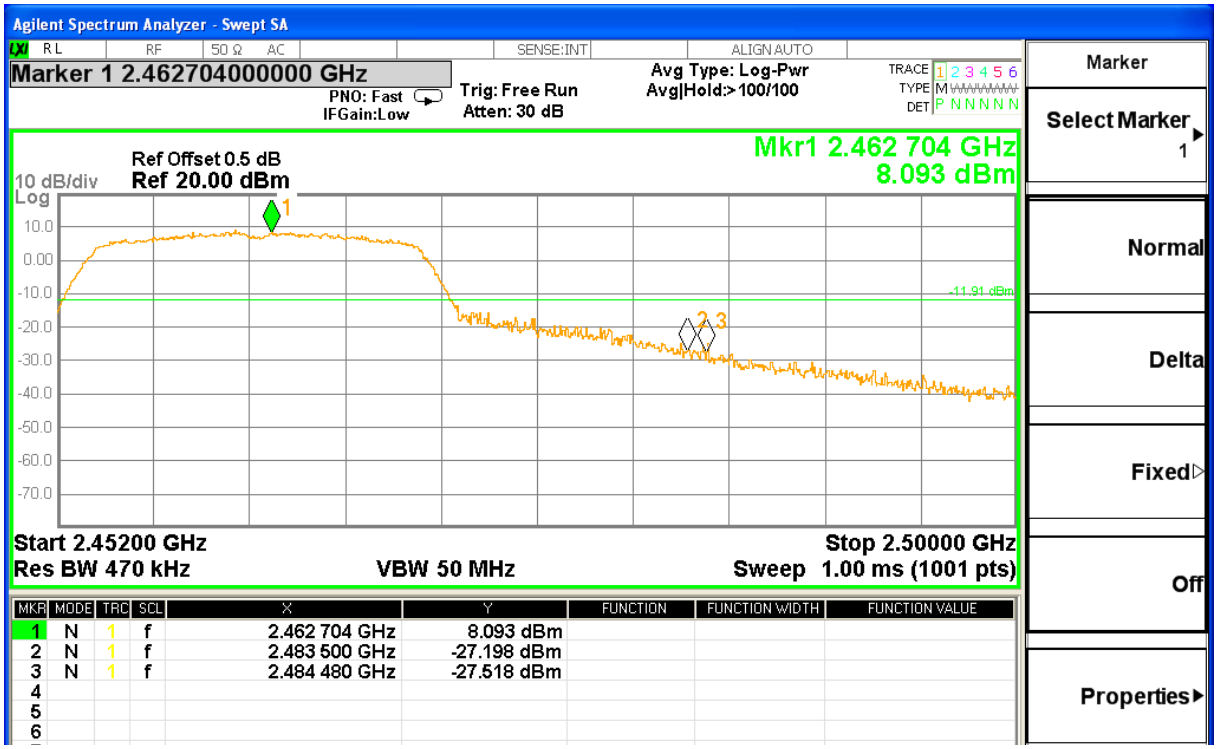

802.11b Band edge-right side



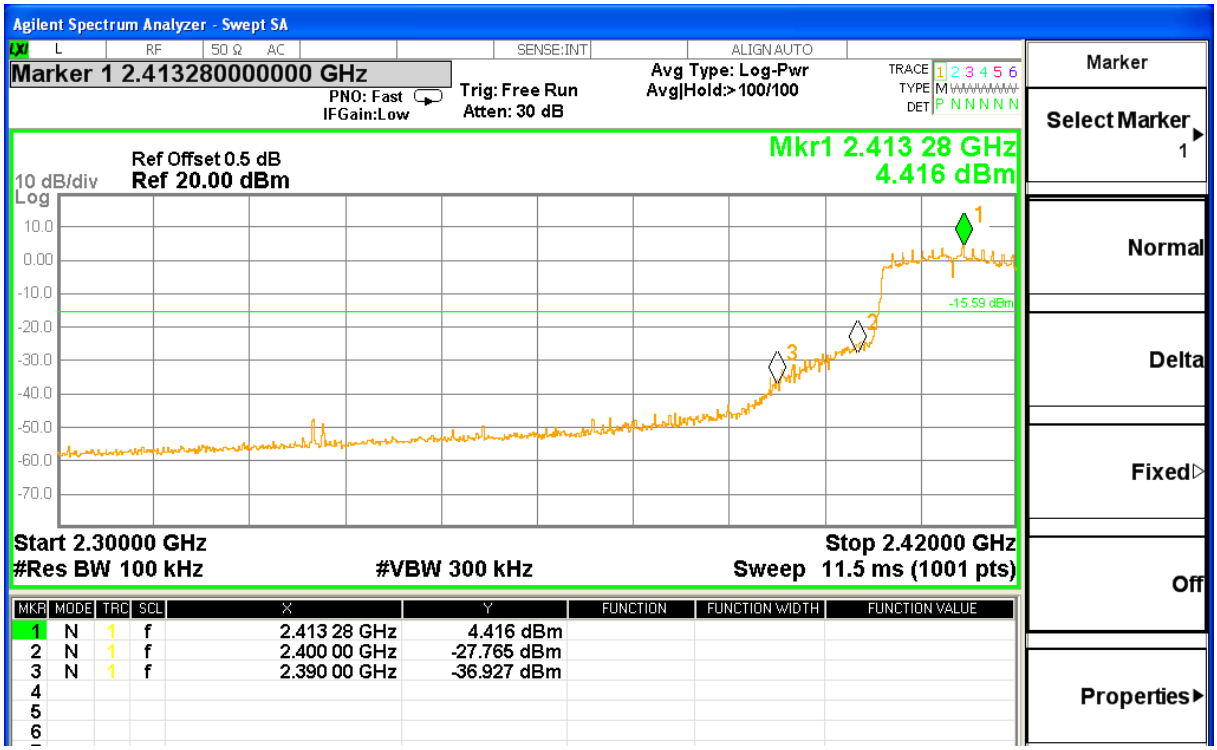
802.11g Band edge-left side



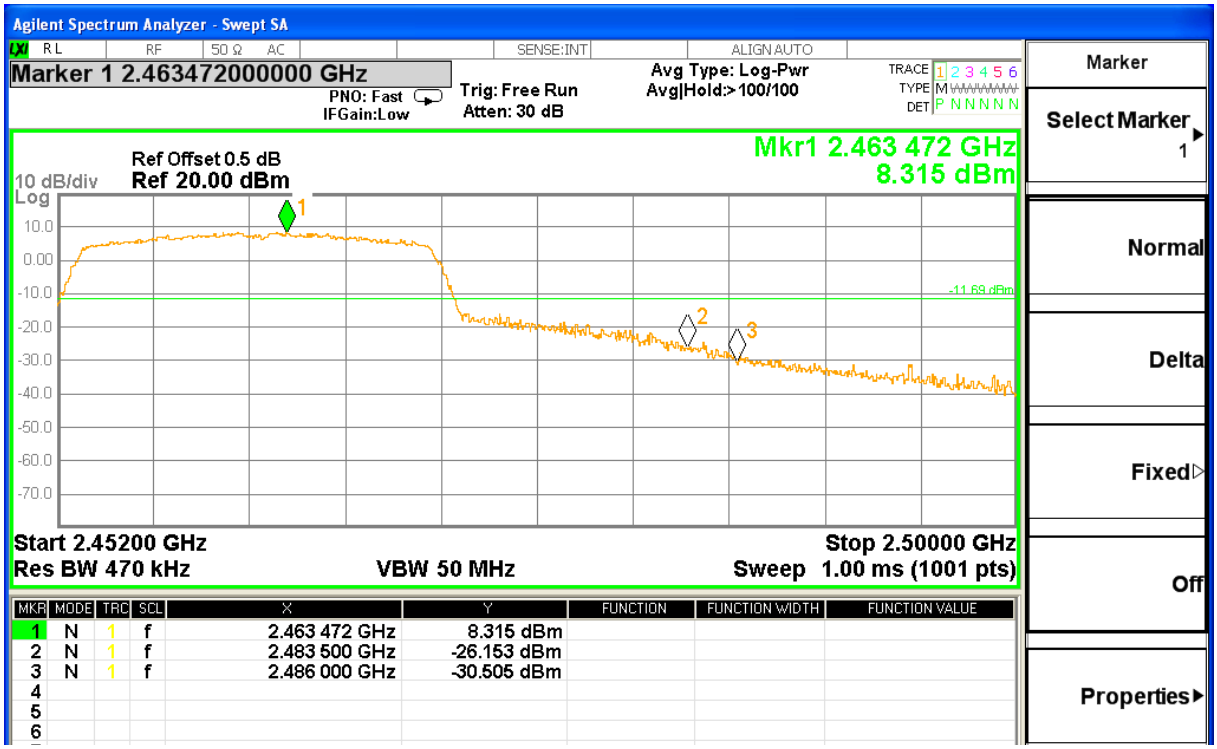

802.11gBand edge-right side



802.11n-HT20 Band edge-left side




802.11n-HT20 Band edge-right side



# 9 6dB Bandwidth Measurement

| | | |
|---|---|---|
| TestRequirement | : | FCC CFR47 Part 15 Section 15.247 |
| Test Method | : | ANSI C63.10:2013 |
| Test Limit | | Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz. |
| Test Mode | : | Refer to section 3.3 |

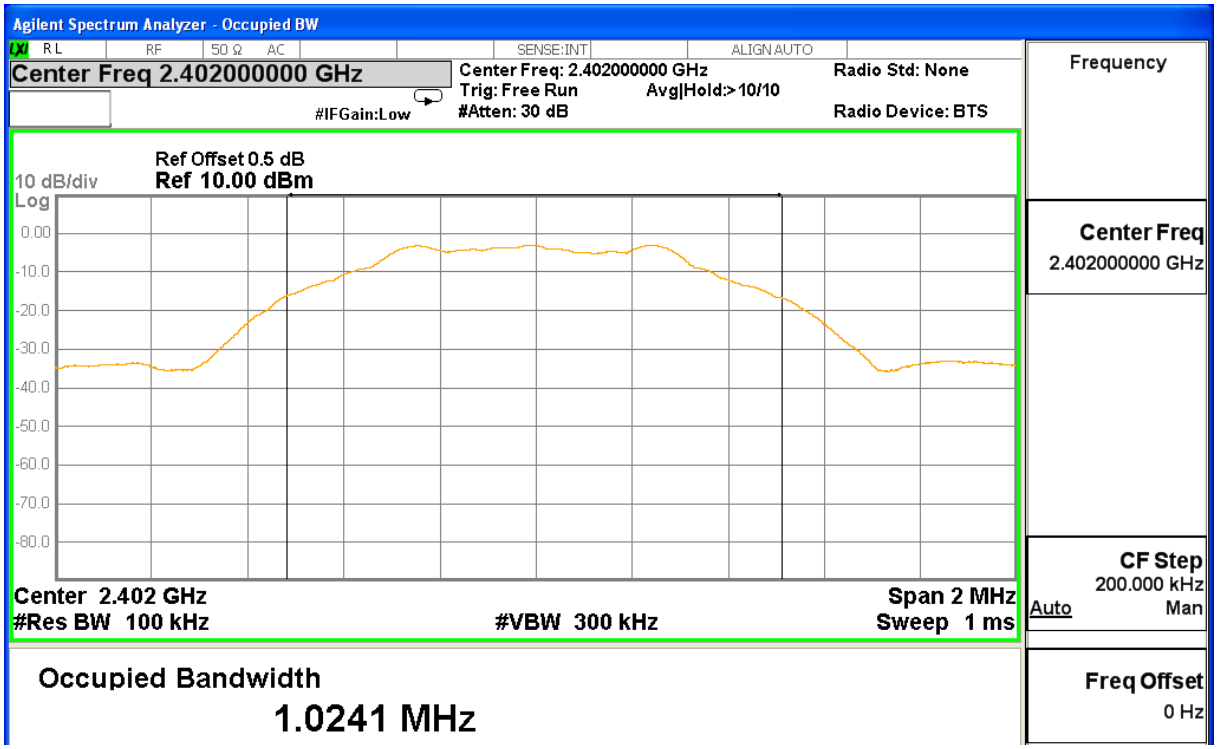
## 9.1 Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to thespectrum;
2. Set the spectrum analyzer: For BLE, RBW = 100 kHz, VBW = 300kHz, For WIFI, RBW = 100kHz, VBW = 300kHz

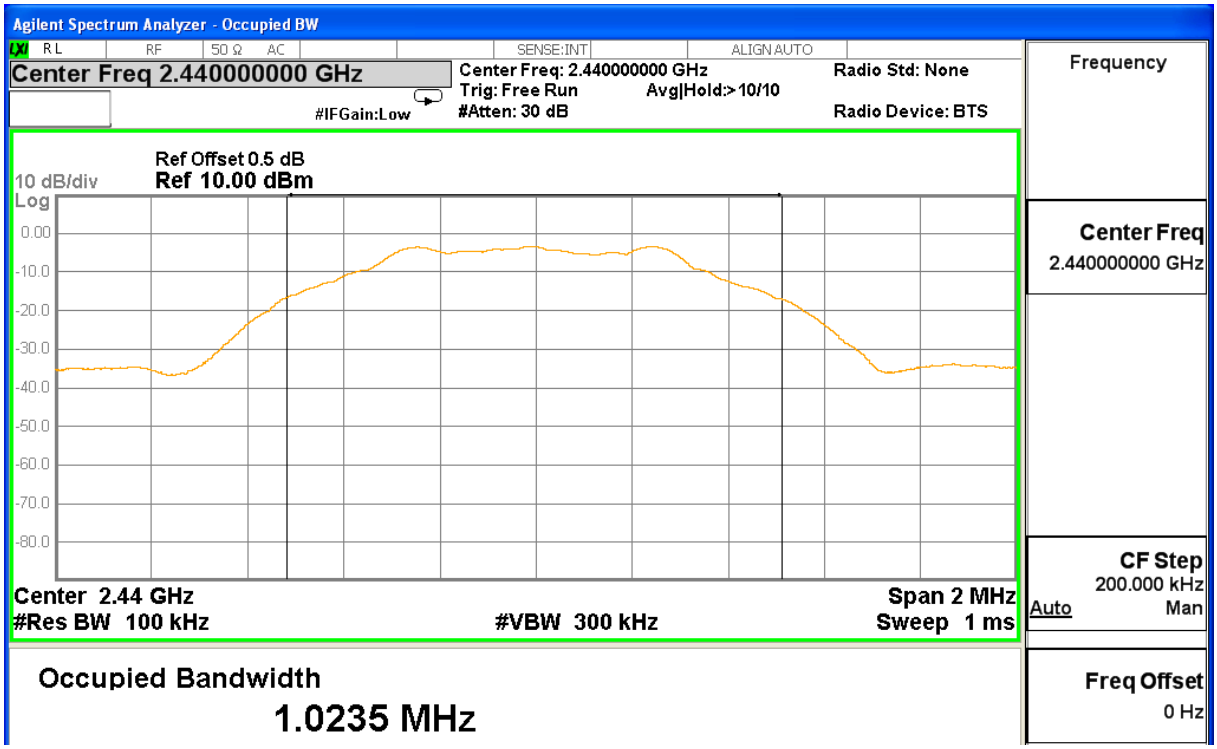
## 9.2 Test Result

| Modulation | Bandwidth(MHz) | | | Limit |
|---|---|---|---|---|
| | Low Channel | Middle Channel | High Channel | |
| GFSK(BLE) | 1.0241 | 1.0235 | 1.0259 | ≥500kHz |
| 802.11b | 13.971 | 13.890 | 13.836 | ≥500kHz |
| 802.11g | 16.191 | 16.383 | 16.396 | ≥500kHz |
| 802.11n-HT20 | 17.553 | 17.554 | 17.543 | ≥500kHz |

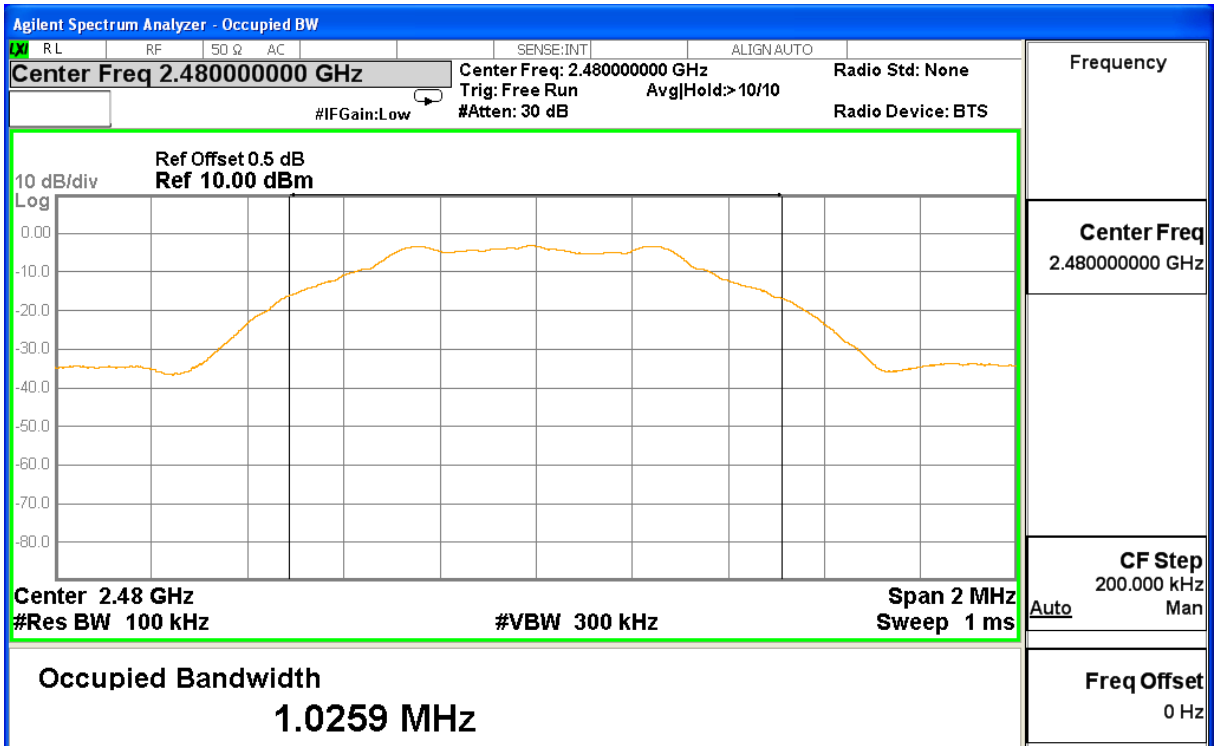
GFSK(BLE) Low Channel



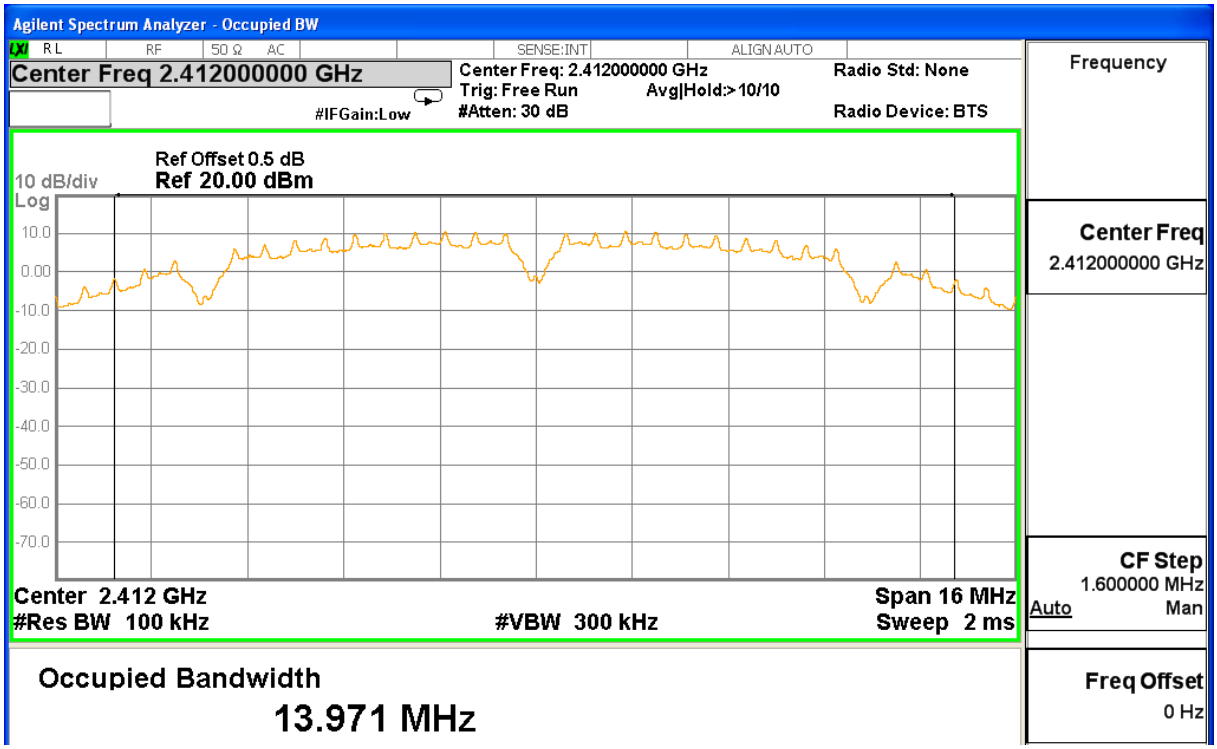

GFSK(BLE) Middle Channel



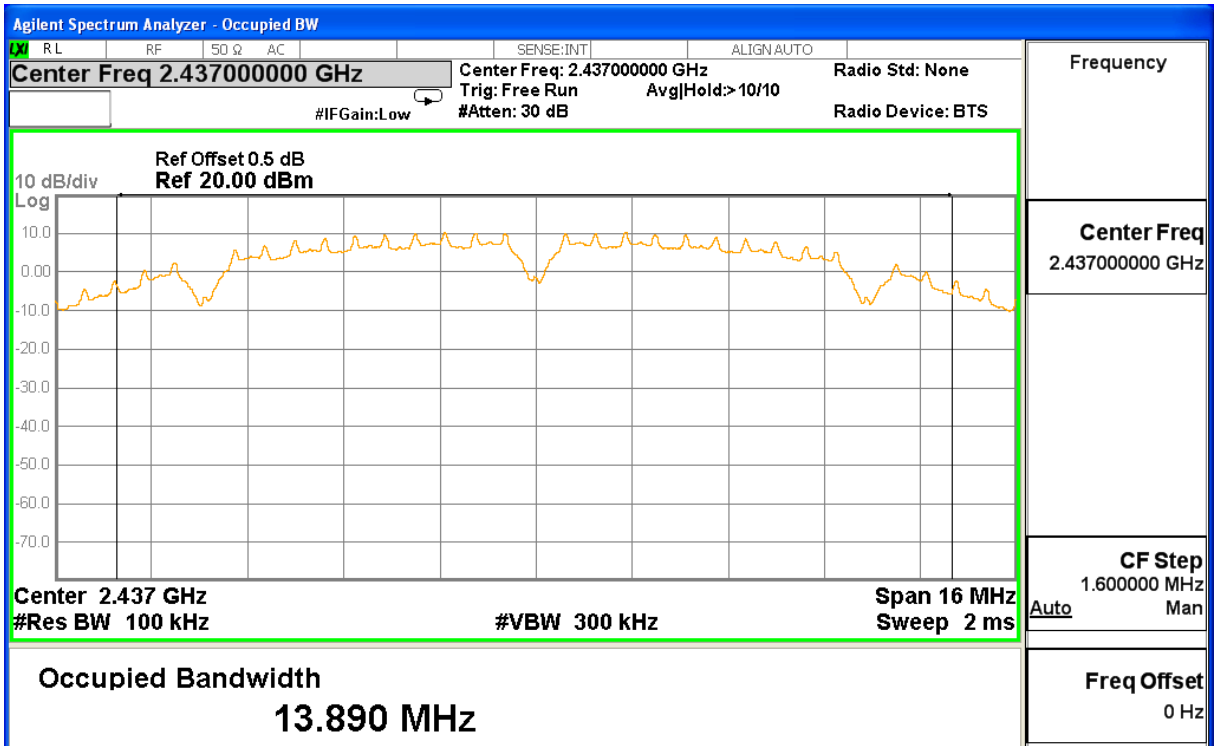
GFSK(BLE)High Channel



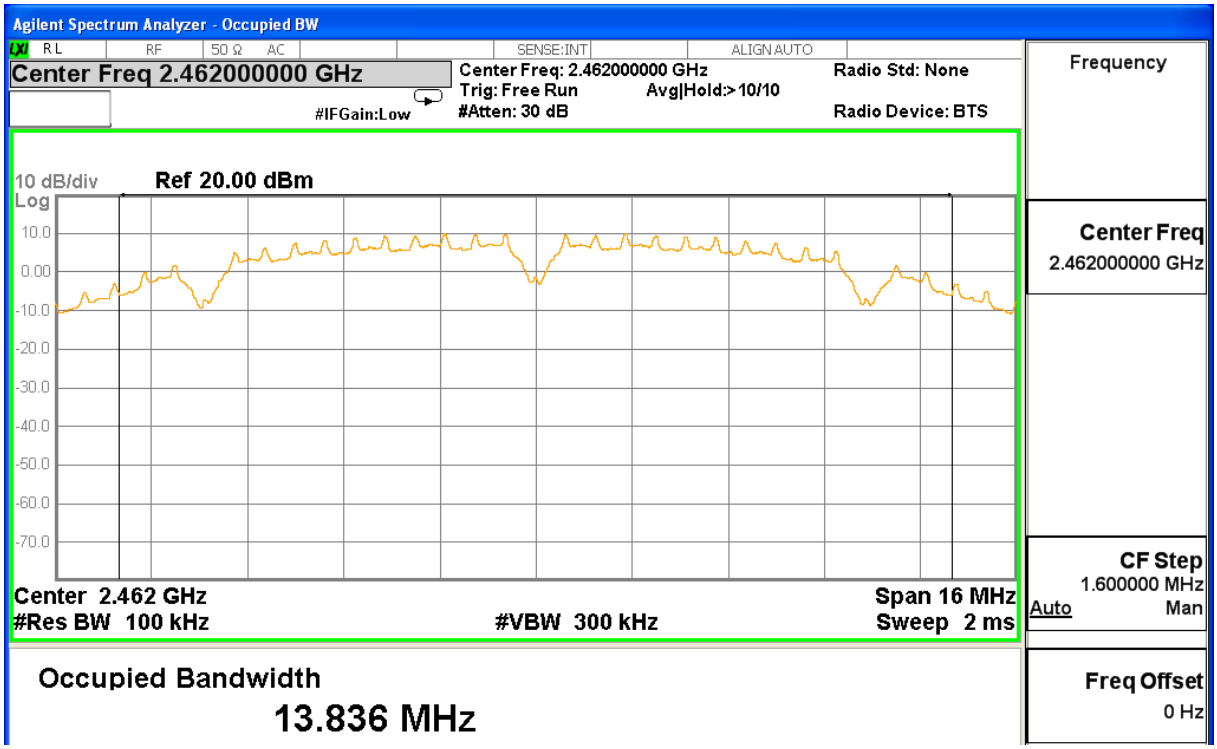

802.11b LowChannel



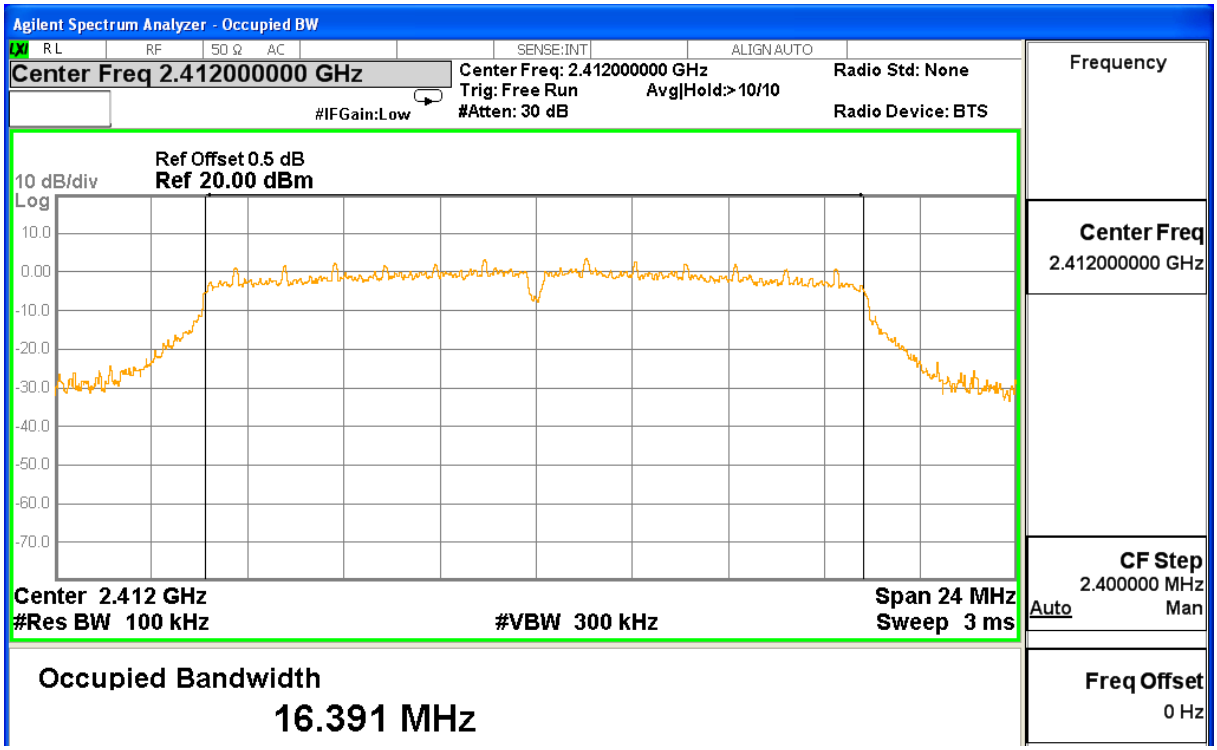
802.11b Middle Channel



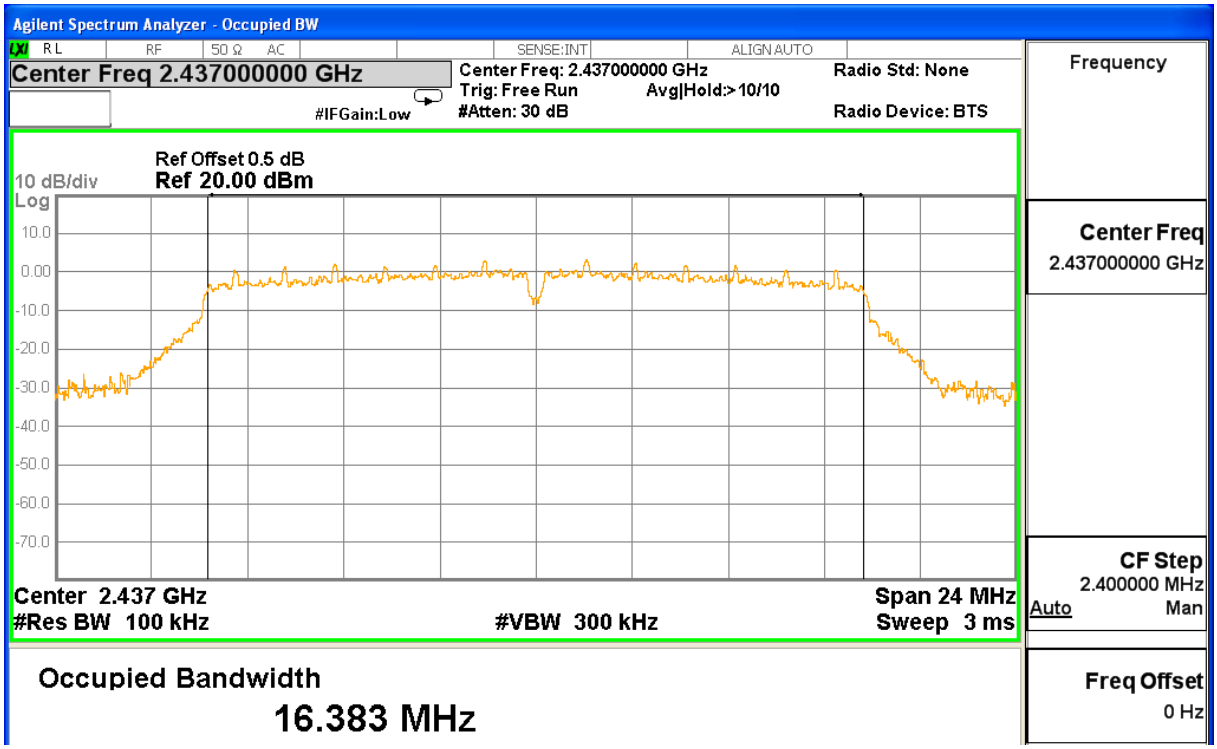

802.11b High Channel



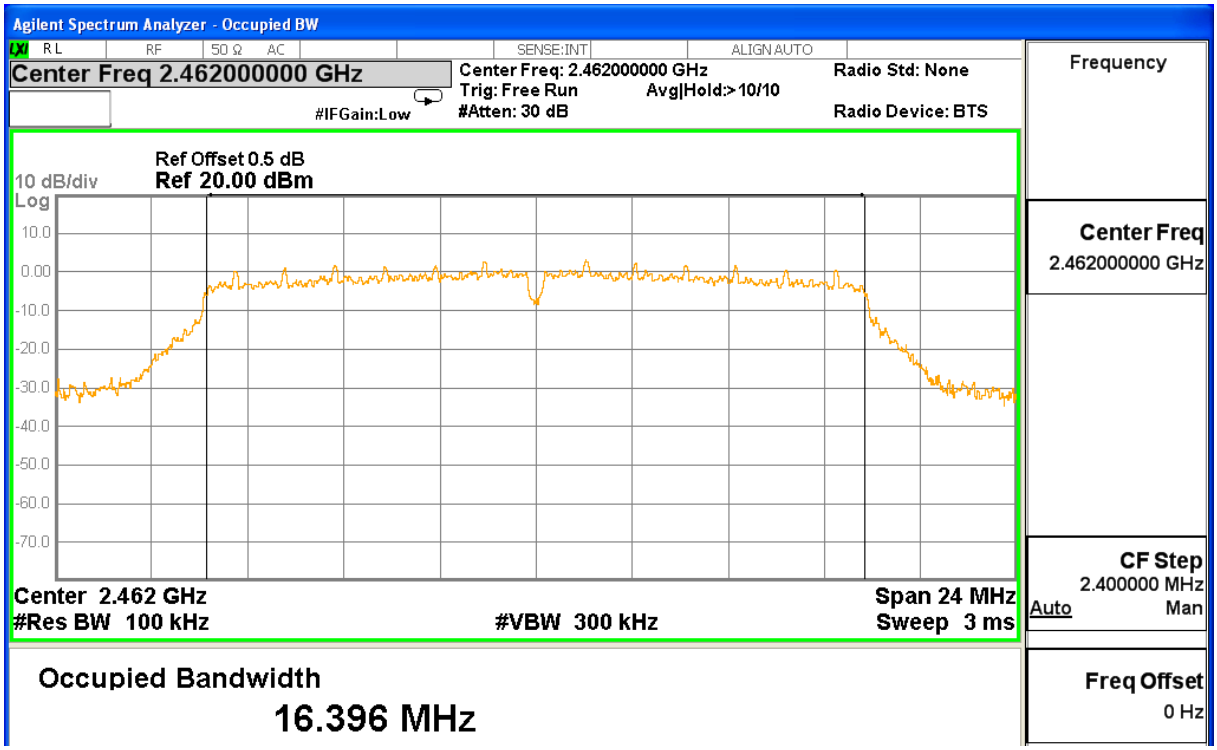
802.11g Low Channel



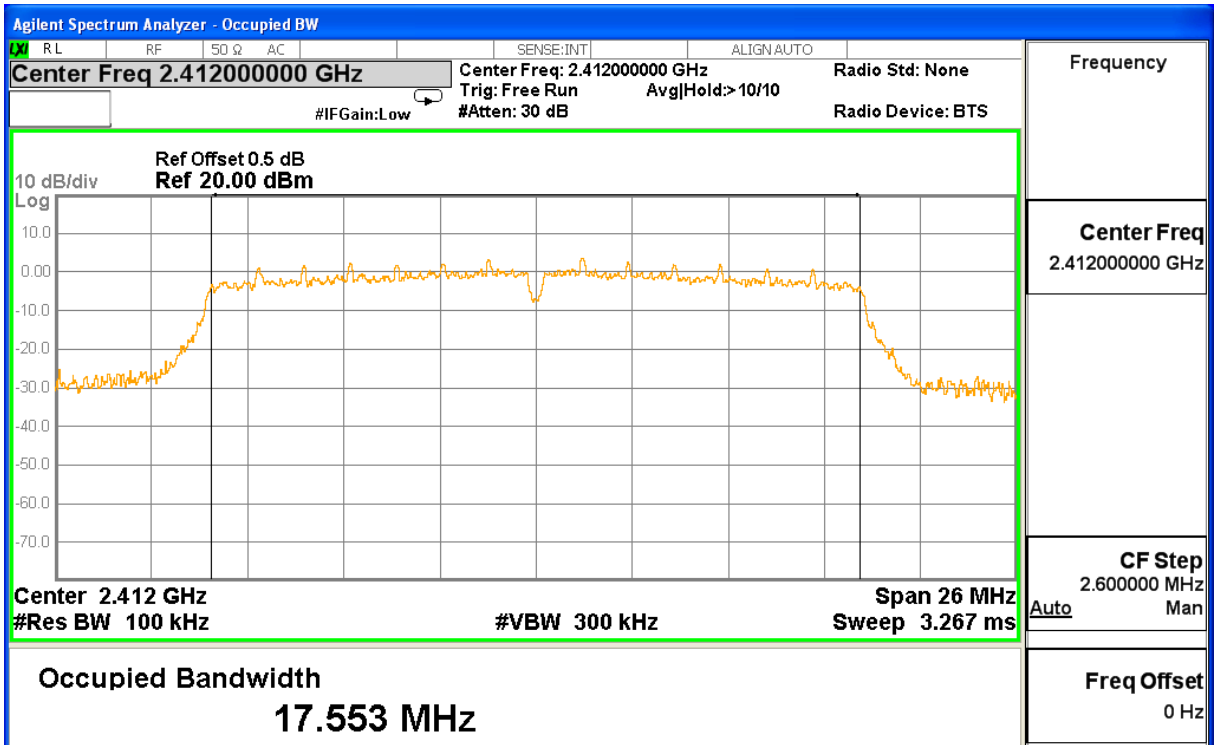

802.11g Middle Channel



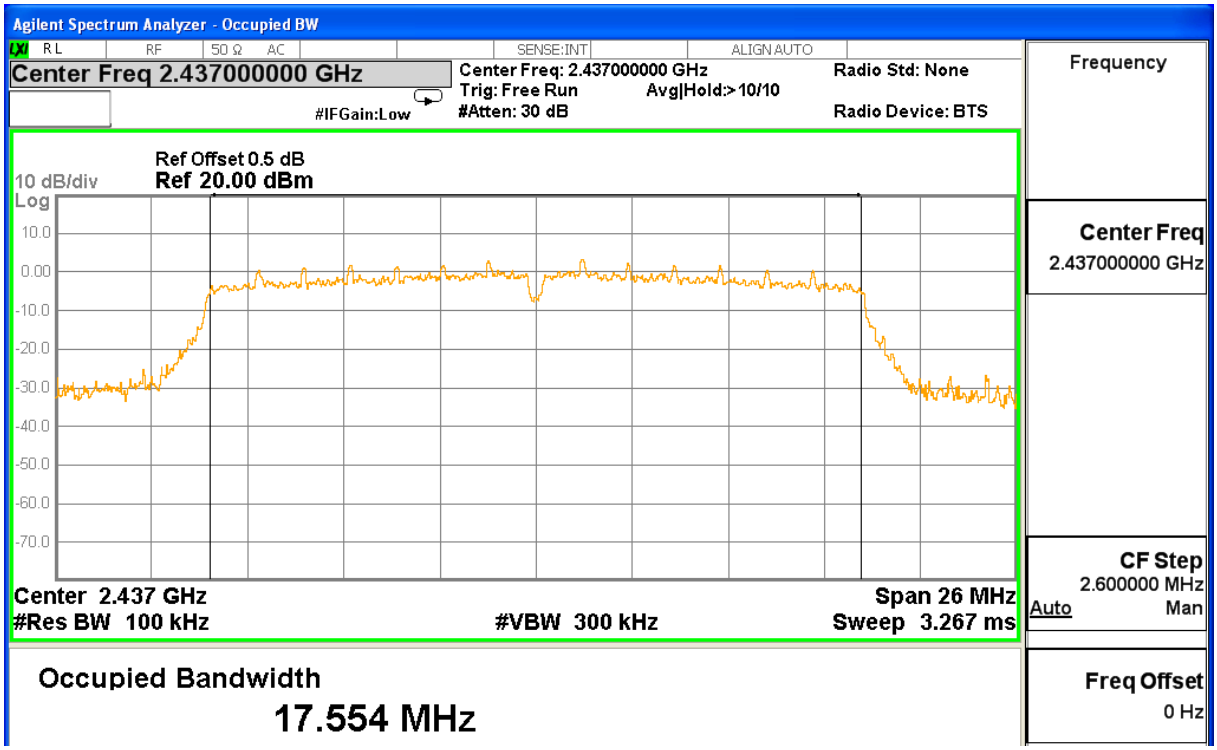
802.11g High Channel



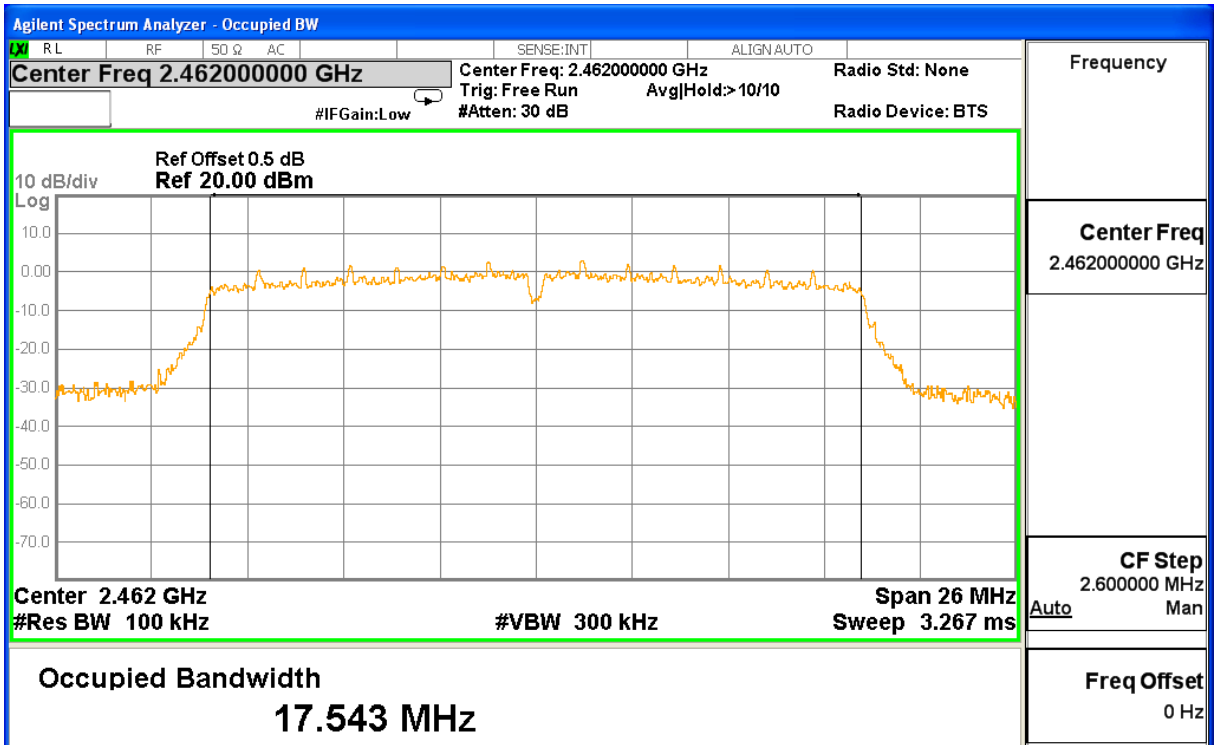

802.11n-HT20 Low Channel



802.11n-HT20Middle Channel




802.11n-HT20High Channel

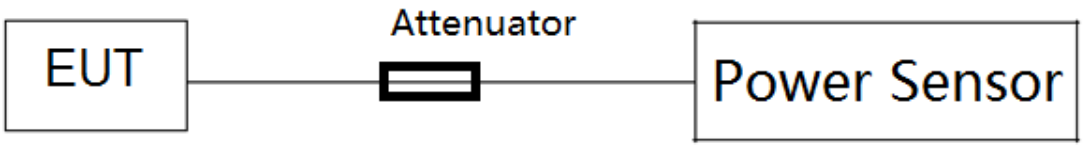


# 10 Maximum Peak Output Power

| | | |
|---|---|---|
| Test Requirement | : | FCC CFR47 Part 15 Section 15.247 |
| Test Method | : | ANSI C63.10:2013 |
| Test Limit | : | Regulation 15.247 (b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. |
| Test Mode | : | Refer to section 3.3 |

## 10.1 Test Procedure

The EUT was directly connected to the Power Sensor&PC



## 10.2 Test Result

| Modulation | Maximum Peak Output Power (dBm) | | | Limit |
|---|---|---|---|---|
| | Low Channel | Middle Channel | High Channel | |
| GFSK(BLE) | -2.57 | -2.95 | -3.95 | 1W(30dBm) |
| 802.11b | 9.25 | 9.16 | 9.22 | 1W(30dBm) |
| 802.11g | 9.21 | 9.07 | 9.12 | 1W(30dBm) |
| 802.11n-HT20 | 9.14 | 9.20 | 9.15 | 1W(30dBm) |

# 11 Power Spectral density

| | | |
|---|---|---|
| Test Requirement | : | FCC CFR47 Part 15 Section 15.247 |
| Test Method | : | ANSI C63.10:2013 |
| Test Limit | : | Regulation 15.247(f)The power spectral density conducted from the intentional radiator to the antenna due to the digital modulation operation of the hybrid system, with the frequency hopping operation turned off, shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. |
| Test Mode | : | Refer to section 3.3 |

## 11.1 Test Procedure

KDB 558074 D01 DTS Meas Guidance

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna portto the spectrum.

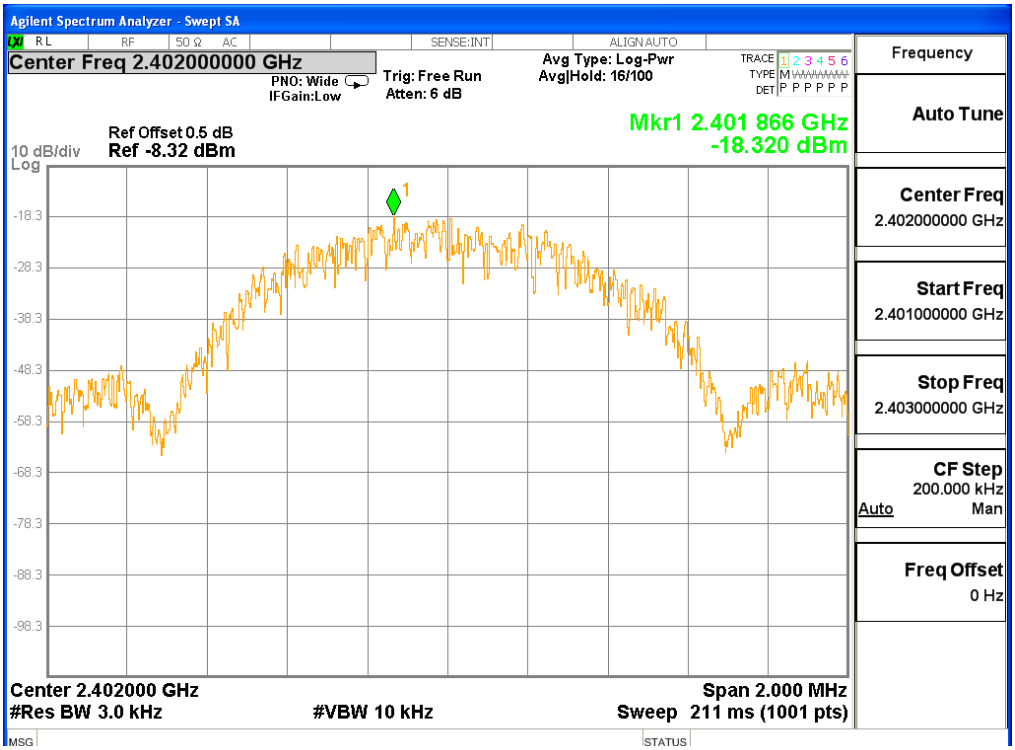
2. Set the spectrum analyzer: RBW = 3kHz. VBW = 10kHz , Span = 1.5 times the DTS channel bandwidth(6 dB bandwidth). Sweep = auto; Detector Function = Peak. Trace = Max hold.

3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

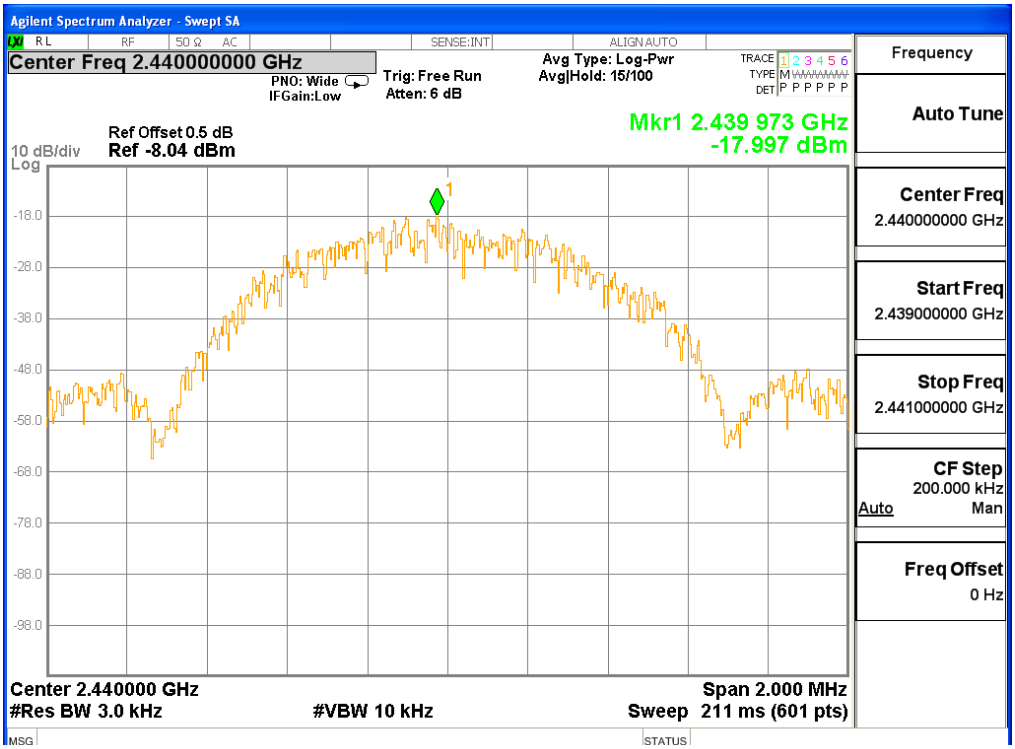
## 11.2 Test Result

| Modulation | Power Spectraldensity ( dBm/3kHz ) | | | Limit |
|---|---|---|---|---|
| | Low Channel | Middle Channel | High Channel | |
| GFSK(BLE) | -18.320 | -17.997 | -18.126 | 8dBm/3kHz |
| 802.11b | -4.699 | -5.487 | -4.340 | 8dBm/3kHz |
| 802.11g | -9.984 | -11.368 | -11.065 | 8dBm/3kHz |
| 802.11n-HT20 | -10.358 | -11.727 | -11.925 | 8dBm/3kHz |

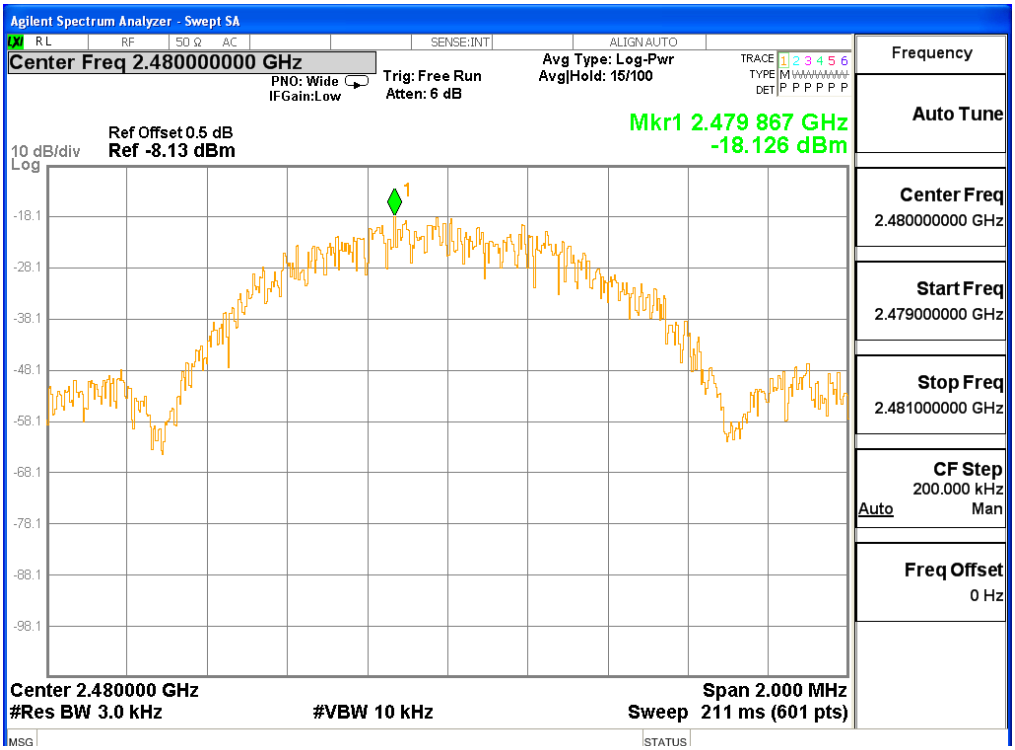
GFSK(BLE) Low Channel



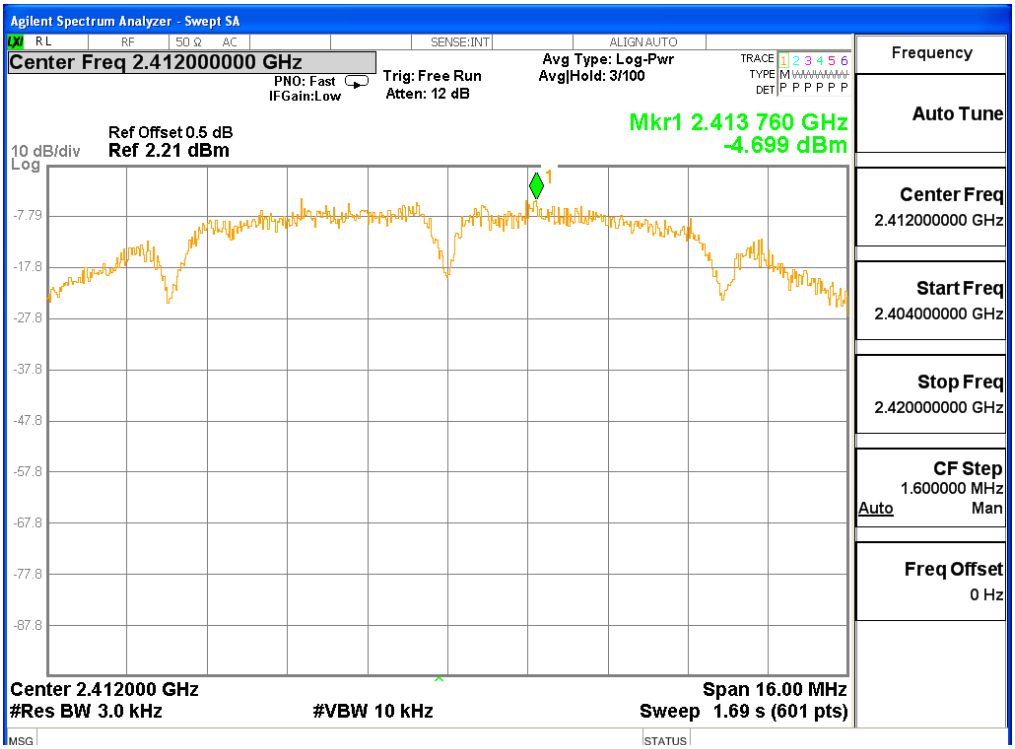

GFSK(BLE) Middle Channel



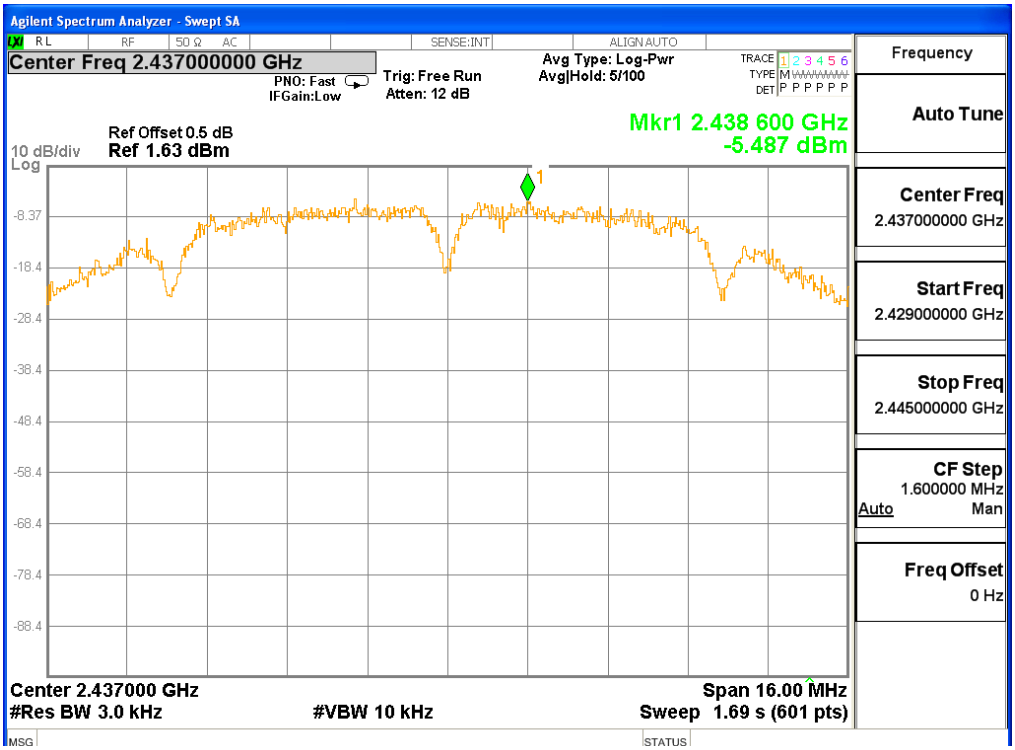
GFSK(BLE)High Channel



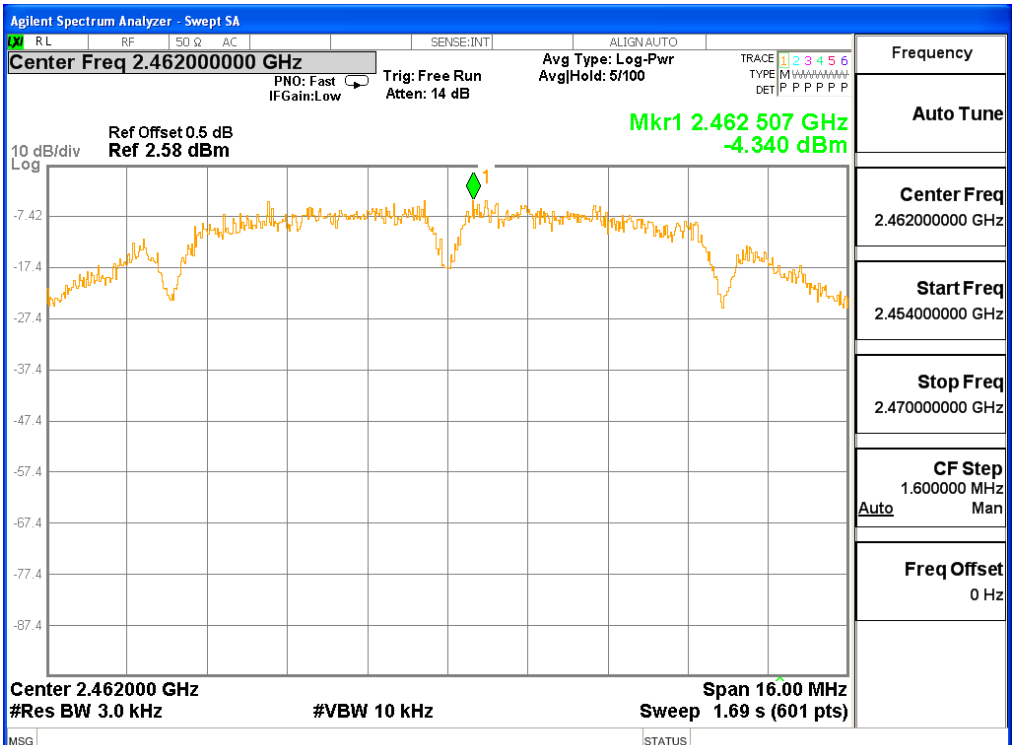

802.11b LowChannel



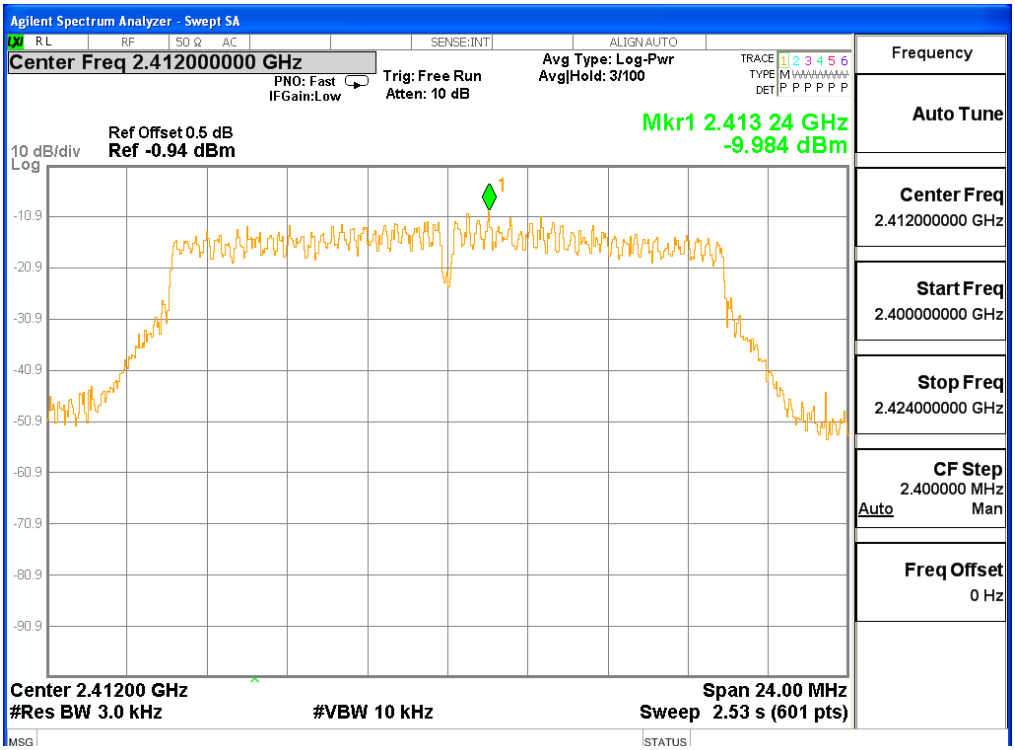
802.11b Middle Channel



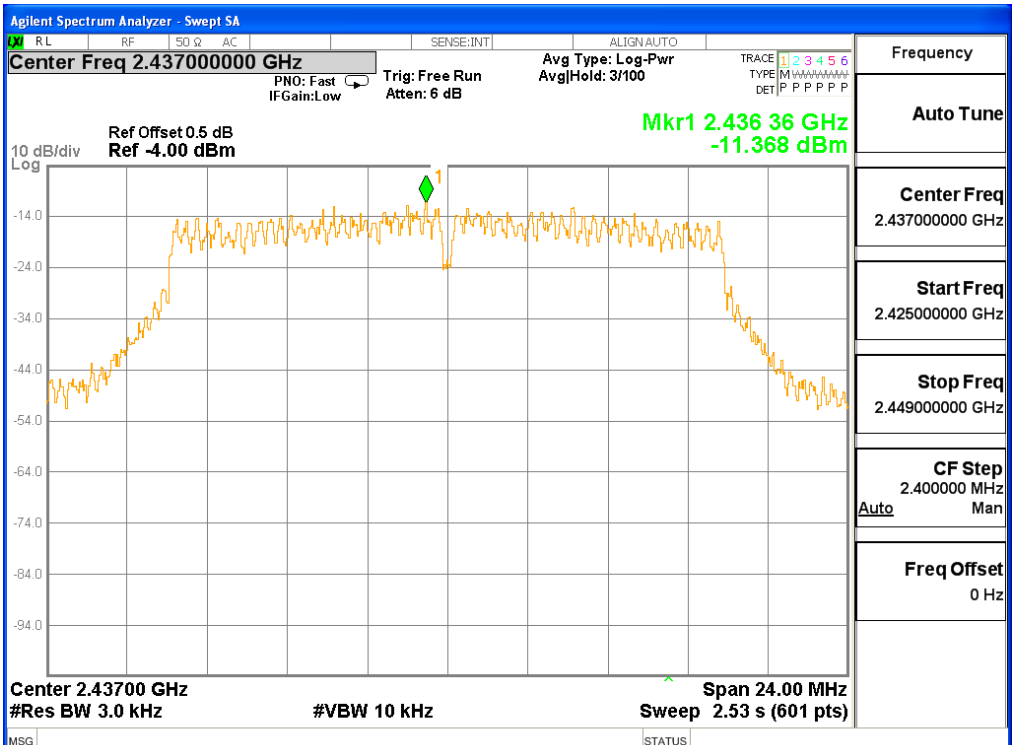

802.11b High Channel



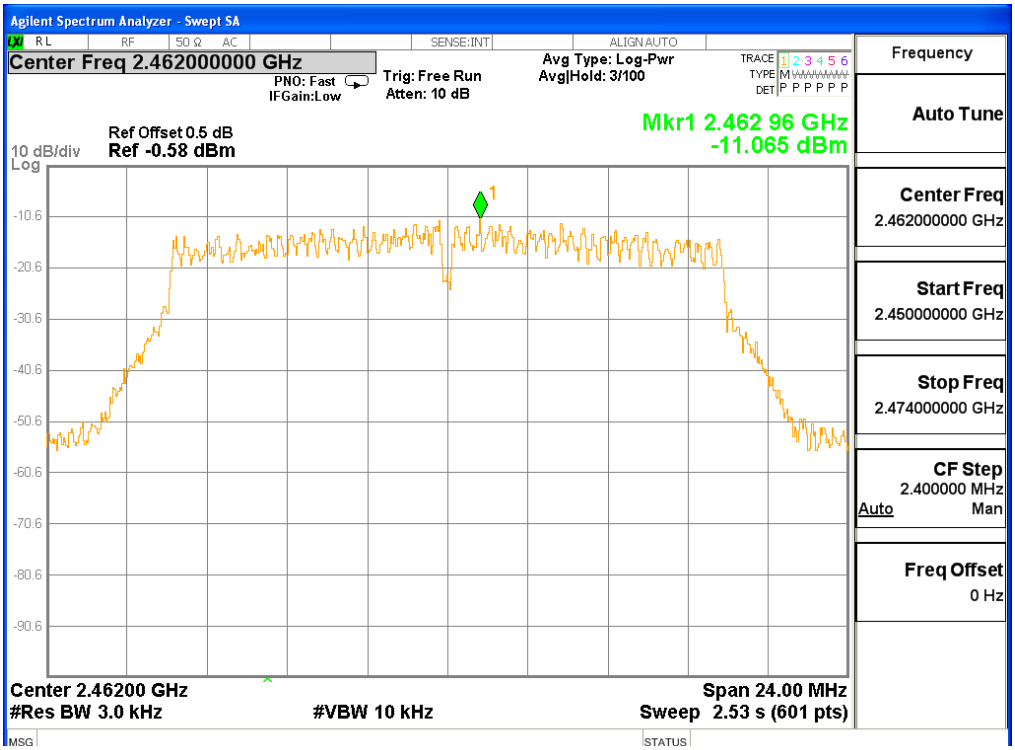
802.11g Low Channel



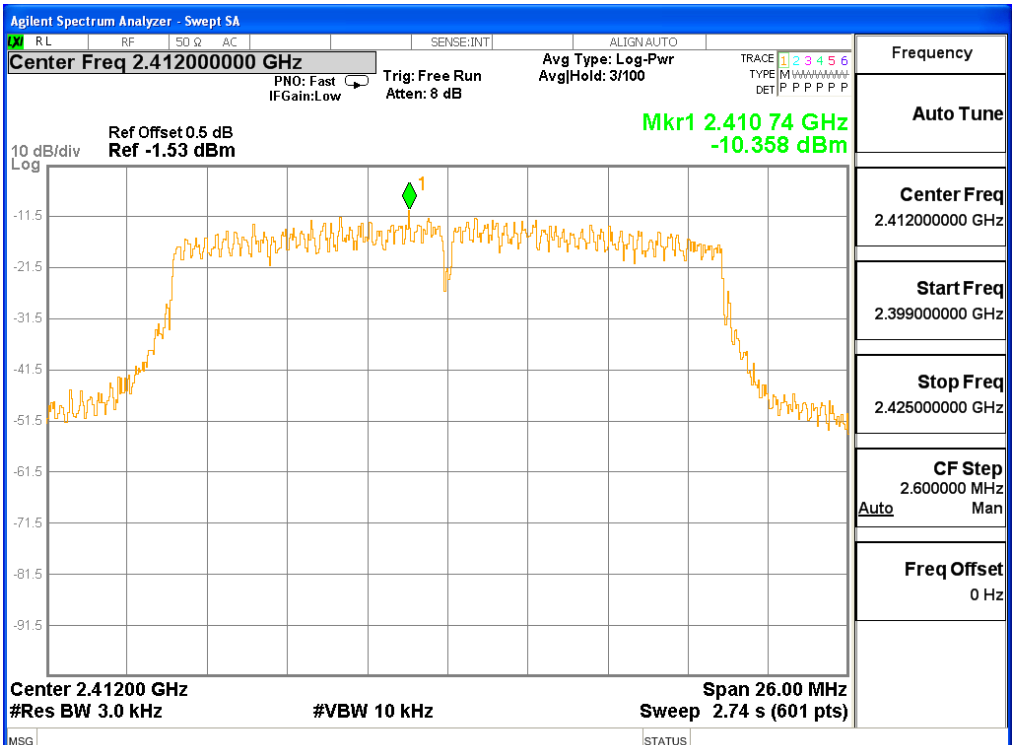

802.11g Middle Channel



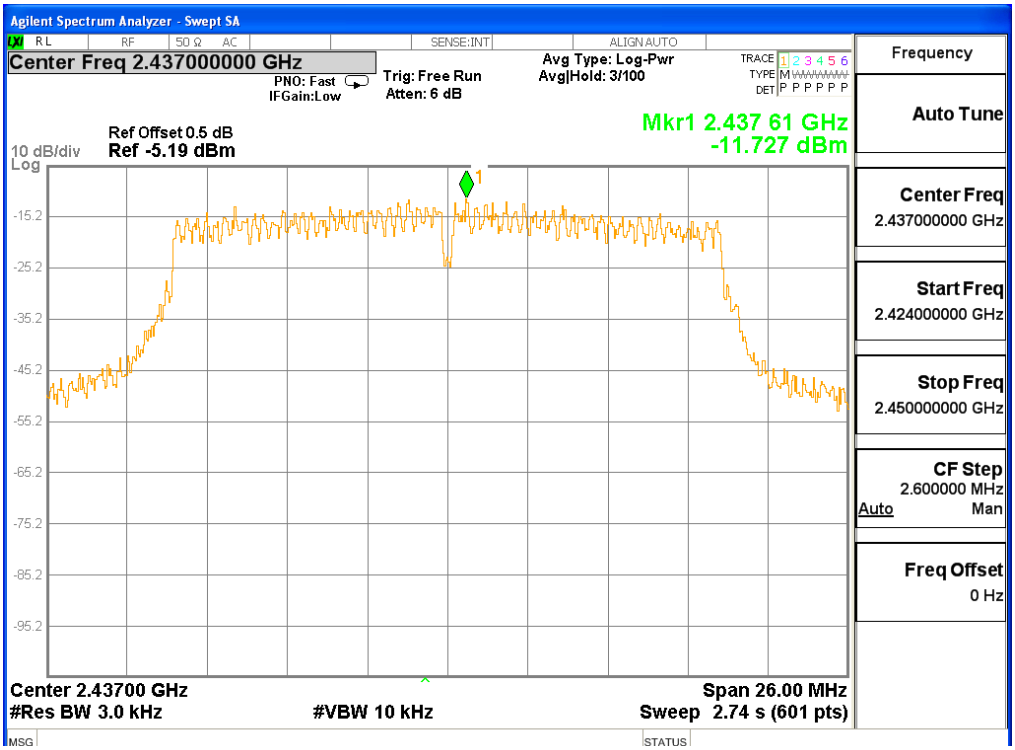
802.11g High Channel



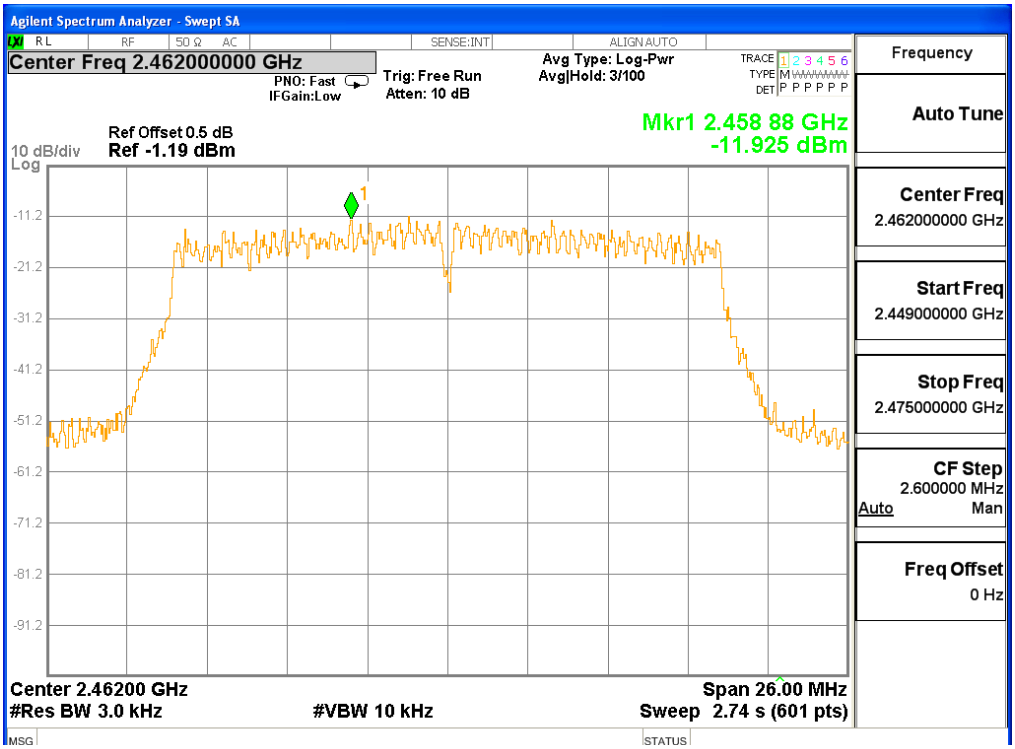

802.11n-HT20 Low Channel



802.11n-HT20Middle Channel




802.11n-HT20High Channel

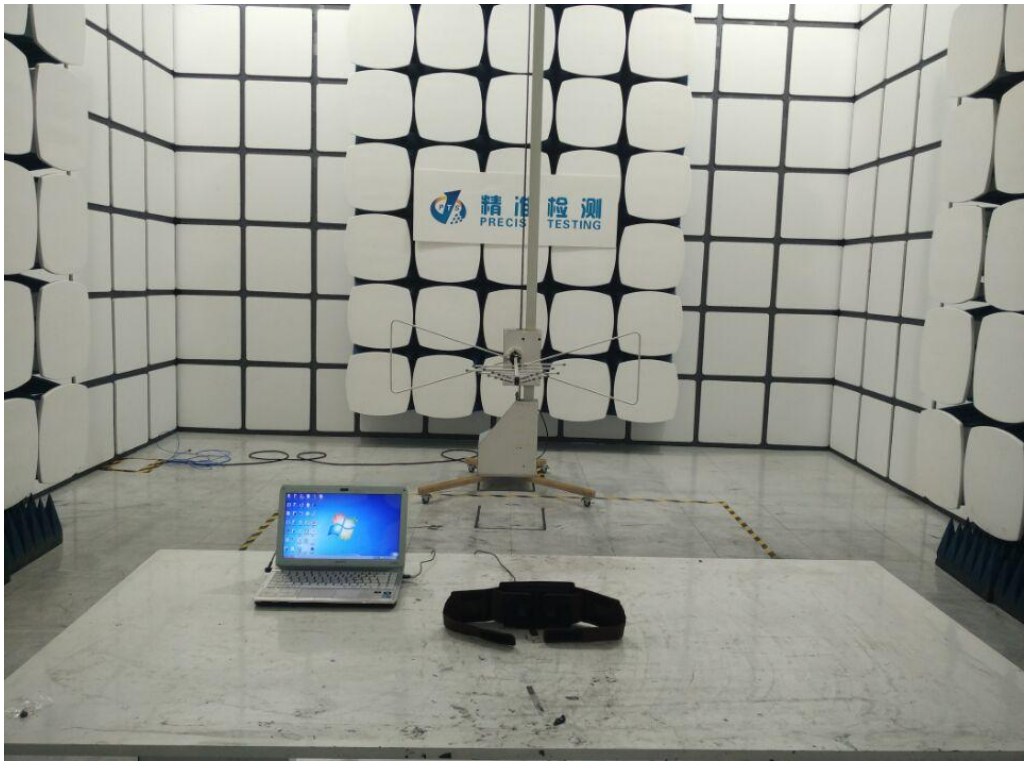


# 12 Antenna Requirement

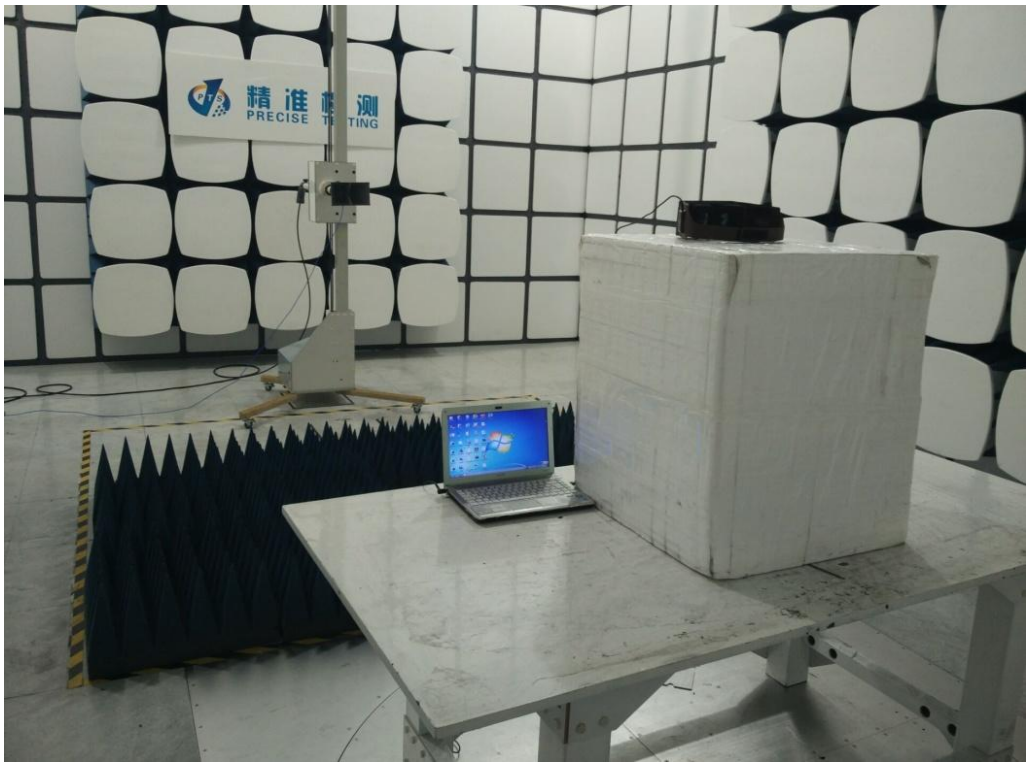
According to the FCC part15.203, a transmitter can only be sold or operated with antennas with which it was approved. This product has an internal antenna, it meet the requirement of this section.

# 13 Test Setup

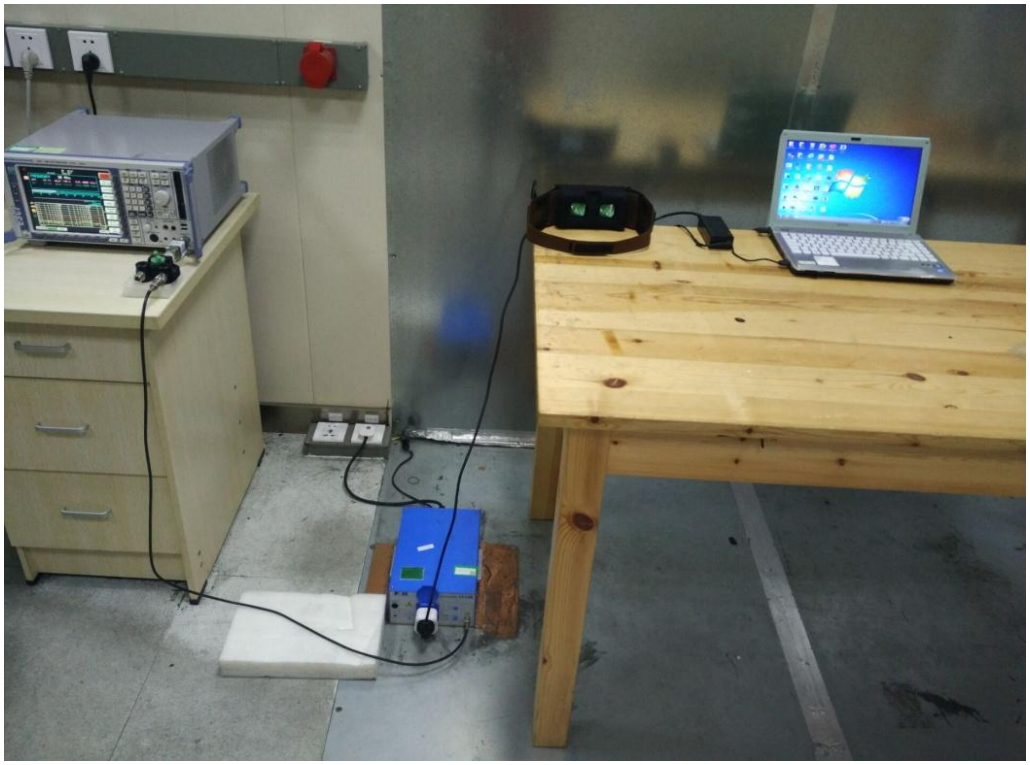
Radiated Spurious Emissions
From 30MHz-1000MHz



Above 1GHz



Conducted Emissions



********THE END REPORT********