

# FCC Test Report

**FCC ID** : QYLAP6255M  
**Equipment** : Tablet  
**Brand Name** : Getac  
**Model Name** : MX50  
**Applicant** : Getac Technology Corporation.  
5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang  
Dist., Taipei City 11568, Taiwan, R.O.C.  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Aug. 07, 2018, and testing was started from Aug. 29, 2018 and completed on Aug. 31, 2018. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 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 report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

**SPORTON INTERNATIONAL 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               | FCC 15.203                      |
| 3.1           | 15.207           | AC Power-line Conducted Emissions                  | PASS               | FCC 15.207                      |
| 3.2           | 15.247(a)        | 20dB Bandwidth                                     | PASS               | 15.247(a)                       |
| 3.2           | 15.247(a)        | Carrier Frequency Separation                       | PASS               | 15.247(a)                       |
| 3.3           | 15.247(b)        | Maximum Conducted Output Power                     | PASS               | 15.247(b)                       |
| 3.4           | 15.247(a)        | Number of Hopping Frequencies and Hopping Bandedge | PASS               | 15.247(a)                       |
| 3.5           | 15.247(a)        | Time of Occupancy (Dwell Time)                     | PASS               | 15.247(a)                       |
| 3.6           | 15.247(d)        | Emissions in Non-restricted Frequency Bands        | PASS               | 15.247(d)                       |
| 3.7           | 15.247(d)        | Emissions in Restricted Frequency Bands            | PASS               | Restricted Bands:<br>FCC 15.209 |

**Reviewed by: Sam Tsai**

**Report Producer: Jenny Yang**

# 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.

### 1.1.2 Antenna Information

| Ant. | Brand | Model Name | Antenna Type | Connector |
|------|-------|------------|--------------|-----------|
| 1    | Getac | MX_50      | Chip antenna | I-PEX     |
| 2    | -     | -          | PIFA antenna | I-PEX     |

| Ant. | Port | Gain (dBi) |         |          |          |         |      |     |
|------|------|------------|---------|----------|----------|---------|------|-----|
|      |      | 2.4G       | 5G      |          |          |         | BT   | GPS |
|      |      |            | U-NII-1 | U-NII-2A | U-NII-2C | U-NII-3 |      |     |
| 1    | 1    | 0.94       | -0.61   | 0.74     | 0.99     | 1       | 0.94 | -   |
| 2    | 2    | -          | -       | -        | -        | -       | -    | N/A |

Note 1: The EUT has two antennas.

**For 2.4GHz function:**

For IEEE 802.11 b/g/n mode (1TX/1RX)

Only Ant. 1 can be used as transmitting/receiving antenna.

**For BT function:**

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Only Ant. 1 can be used as transmitting/receiving antenna.

**For 5GHz function:**

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

Only Ant. 1 can be used as transmitting/receiving antenna.

1.1.3 EUT Information

| Operational Condition               |   |
|-------------------------------------|---|
| EUT Power Type                      | From AC Adapter   |
| EUT Function                        | <input checked="" type="checkbox"/> Point-to-multipoint <input type="checkbox"/> Point-to-point |
| Type of EUT                         |   |
| <input checked="" type="checkbox"/> | Stand-alone   |
| <input type="checkbox"/>            | Combined (EUT where the radio part is fully integrated within another device)                   |
|                                     | Combined Equipment - Brand Name / Model No.: ...  |
| <input type="checkbox"/>            | Plug-in radio (EUT intended for a variety of host systems)                                      |
|                                     | Host System - Brand Name / Model No.: ...   |
| <input type="checkbox"/>            | Other:  |

1.1.4 Mode Test Duty Cycle

| Mode          | DC    | DCF(dB) | T(s)   | VBW(Hz) ≥ 1/T |
|---------------|-------|---------|--------|---------------|
| BT-BR(1Mbps)  | 0.785 | 1.051   | 2.888m | 1k            |
| BT-EDR(2Mbps) | 0.785 | 1.051   | 2.89m  | 1k            |
| BT-EDR(3Mbps) | 0.786 | 1.046   | 2.893m | 1k            |

## 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
- ◆ KDB 558074 D01 v05
- ◆ ANSI C63.10-2013

## 1.3 Testing Location Information

| Testing Location                           |        |  |                      |                      |
|--|--------|--|----------------------|----------------------|
| <input checked="" type="checkbox"/>        | HWA YA | ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)    | TEL : 886-3-327-3456 | FAX : 886-3-327-0973 |
| Test site Designation No. TW1190 with FCC. |        |  |                      |                      |
| <input type="checkbox"/>                   | JHUBEI | ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.) | TEL : 886-3-656-9065 | FAX : 886-3-656-9085 |
| Test site Designation No. TW0006 with FCC. |        |  |                      |                      |

| Test Condition | Test Site No. | Test Engineer | Test Environment | Test Date   |
|----------------|---------------|---------------|------------------|-------------|
| RF Conducted   | TH06-HY       | Tim           | 26.3°C / 63%     | 30/Aug/2018 |
| Radiated       | 03CH09-HY     | Andy          | 22.5°C / 58%     | 31/Aug/2018 |
| AC Conduction  | CO04-HY       | Jerry         | 24.5°C / 55.5%   | 31/Aug/2018 |

## 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                   |
|--------------------------------------|-------------|--------------------------|
| Conducted Emission (150kHz ~ 30MHz)  | 3.6 dB      | Confidence levels of 95% |
| Radiated Emission (9kHz ~ 30MHz)     | 3.0 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 4.3 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 3.9 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 3.5 dB      | Confidence levels of 95% |
| Conducted Emission                   | 1.3 dB      | Confidence levels of 95% |
| Temperature                          | 0.7 °C      | Confidence levels of 95% |
| Humidity                             | 4 %         | Confidence levels of 95% |



## 2 Test Configuration of EUT

### 2.1 Test Condition

| RF Conducted | Abbreviation | Remark |
|--------------|--------------|--------|
| TnomVnom     | Tnom         | 20°C   |
| -            | Vnom         | 120V   |

### 2.2 Test Channel Mode

| Test Software | RFTesTool |
|---------------|-----------|
|---------------|-----------|




| Mode          | Power Setting |
|---------------|---------------|
| BT-BR(1Mbps)  | -             |
| 2402MHz       | Default       |
| 2441MHz       | Default       |
| 2480MHz       | Default       |
| BT-EDR(2Mbps) | -             |
| 2402MHz       | Default       |
| 2441MHz       | Default       |
| 2480MHz       | Default       |
| BT-EDR(3Mbps) | -             |
| 2402MHz       | Default       |
| 2441MHz       | Default       |
| 2480MHz       | Default       |



### 2.3 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests |  |
|---|--|
| Tests Item  | AC power-line conducted emissions                        |
| Condition   | AC power-line conducted measurement for line and neutral |
| Operating Mode                                      | CTX  |
| 1   | Adapter Mode   |

| The Worst Case Mode for Following Conformance Tests |  |
|---|--|
| Tests Item  | 20dB Bandwidth<br>Carrier Frequency Separation<br>Maximum Conducted Output Power<br>Number of Hopping Frequencies<br>Hopping Bandedge<br>Time of Occupancy (Dwell Time)<br>Emissions in Non-restricted Frequency Bands |
| Test Condition                                      | Conducted measurement at transmit chains   |

| 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                               | CTX   |  |   |
| 1   | Adapter Mode  |  |   |
| Operating Mode > 1GHz                               | CTX   |  |   |
| Orthogonal Planes of EUT                            | X Plane   | Y Plane  | Z Plane   |
|   |    |  |  |
| Worst Planes of EUT                                 |   |  | V   |



| <b>The Worst Case Mode for Following Conformance Tests</b> |                                    |
|--|------------------------------------|
| <b>Tests Item</b>  | Simultaneous Transmission Analysis |
| <b>Test Condition</b>                                      | Radiated measurement               |
| <b>Operating Mode</b>                                      | Normal Link                        |
| 1  | Bluetooth+WLAN 2.4GHz              |
| 2  | Bluetooth+WLAN 5GHz                |

Refer to Sporton Test Report No.: FA680937-09 for Co-location RF Exposure Evaluation and Appendix H for Radiated Emission Co-location.



## 2.4 Accessories and Support Equipment

| Accessories |              |                                      |            |             |
|-------------|--------------|--------------------------------------|------------|-------------|
| AC Adapter  | Brand Name   | TPT                                  | Model Name | NSS050200BU |
|             | Power Rating | I/P: 100-240Vac, 0.3A, O/P: 5Vdc, 2A |            |             |
| Battery 1   | Brand Name   | Getac                                | Model Name | BP1S1P4240L |
|             | Power Rating | 3.8Vdc, 4240mAh                      | Type       | Li-ion      |
| WLAN Module | Brand Name   | AMPAK                                | Model Name | AP6255      |
| GPS Module  | Brand Name   | Ublox                                | Model Name | MAX-M8Q     |

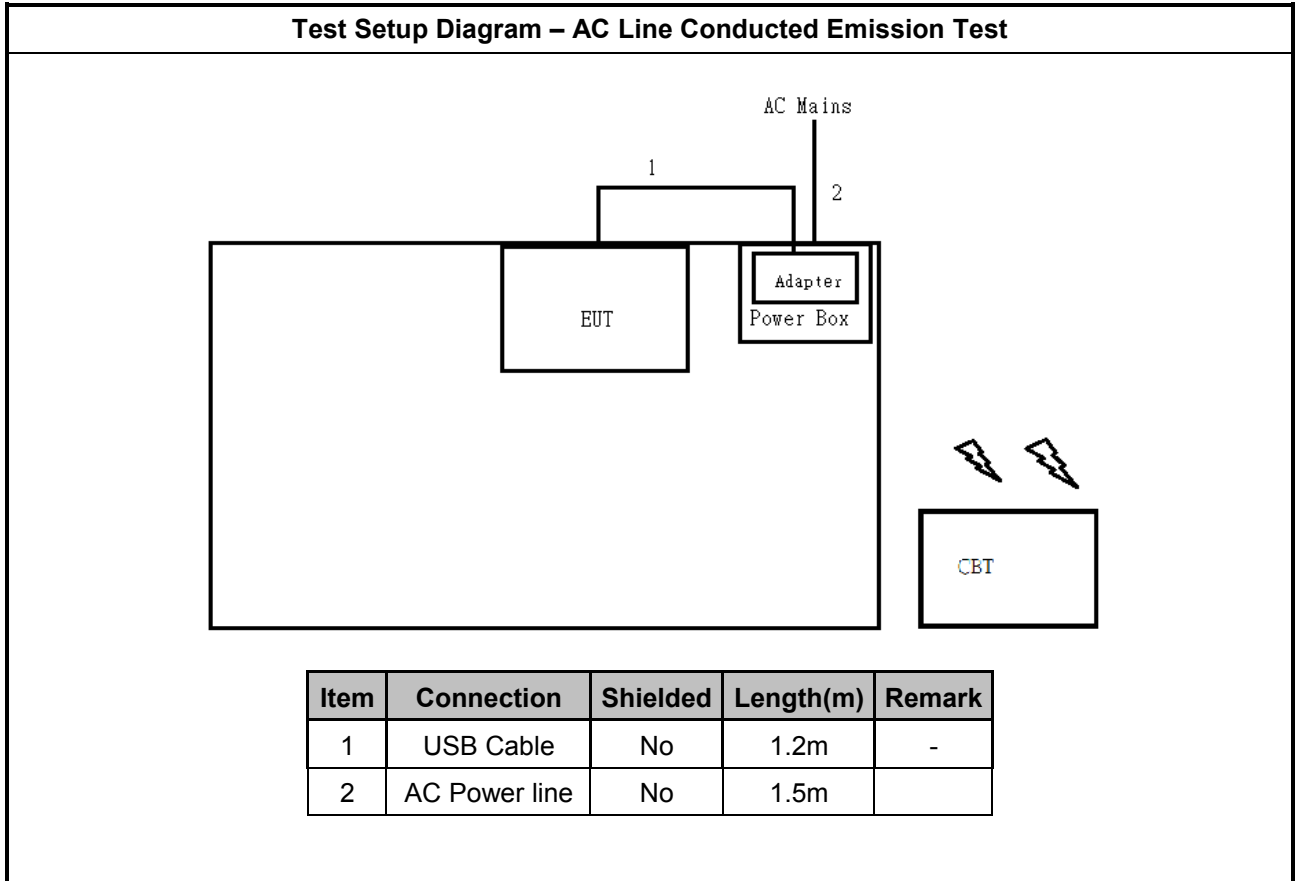
Reminder: Regarding to more detail and other information, please refer to user manual.

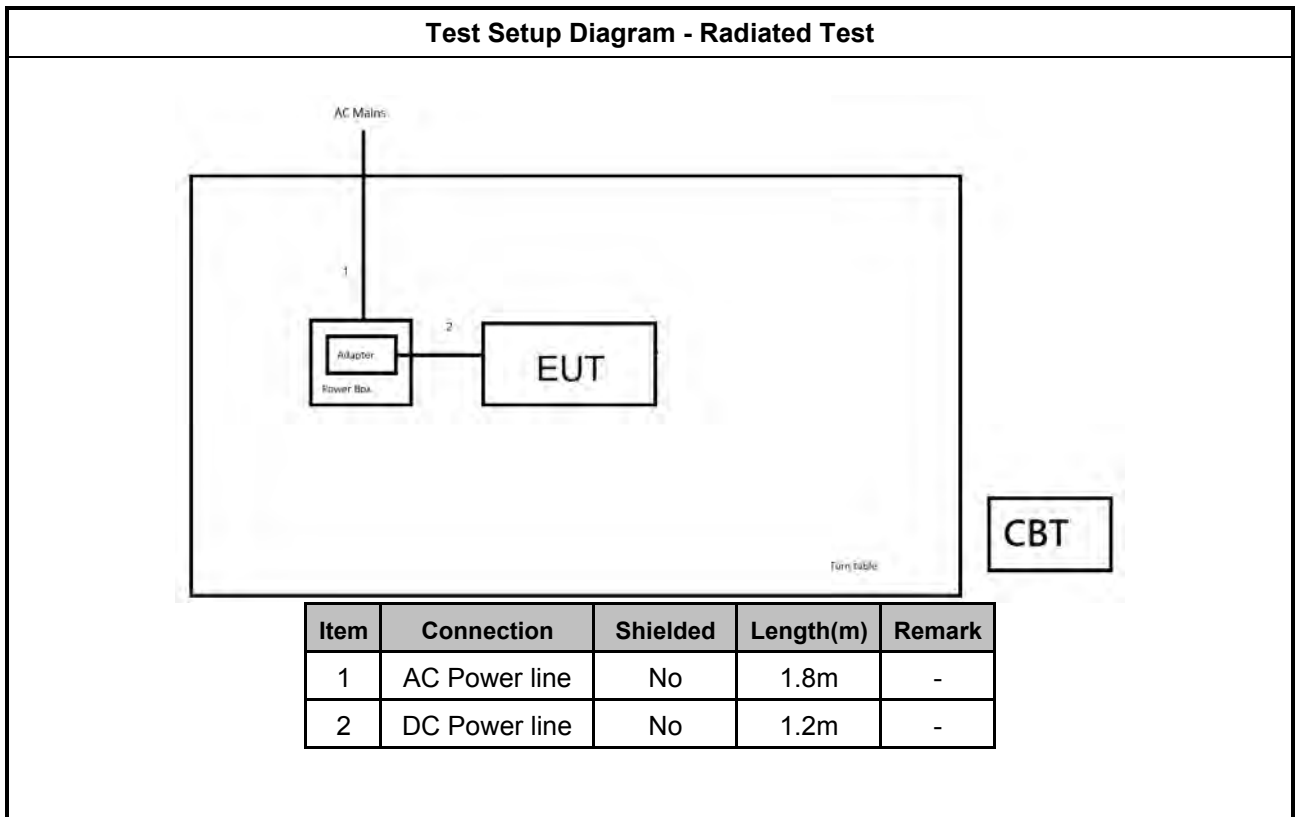
| Support Equipment – AC Conduction |                           |            |            |        |
|-----------------------------------|---------------------------|------------|------------|--------|
| No.                               | Equipment                 | Brand Name | Model Name | FCC ID |
| 1                                 | Bluetooth Tester (remote) | R&S        | CBT        | N/A    |

| Support Equipment – RF Conducted |                           |            |            |        |
|----------------------------------|---------------------------|------------|------------|--------|
| No.                              | Equipment                 | Brand Name | Model Name | FCC ID |
| 1                                | Bluetooth Tester (remote) | R&S        | CBT        | N/A    |

| Support Equipment – Radiated Emission |                           |            |            |        |
|---------------------------------------|---------------------------|------------|------------|--------|
| No.                                   | Equipment                 | Brand Name | Model Name | FCC ID |
| 1                                     | Bluetooth Tester (remote) | R&S        | CBT        | N/A    |

## 2.5 Test Setup Diagram





### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

| AC Power-line Conducted Emissions Limit |            |           |
|---|------------|-----------|
| Frequency Emission (MHz)                | Quasi-Peak | Average   |
| 0.15-0.5                                | 66 - 56 *  | 56 - 46 * |
| 0.5-5                                   | 56         | 46        |
| 5-30                                    | 60         | 50        |

Note 1: \* Decreases with the logarithm of the frequency.

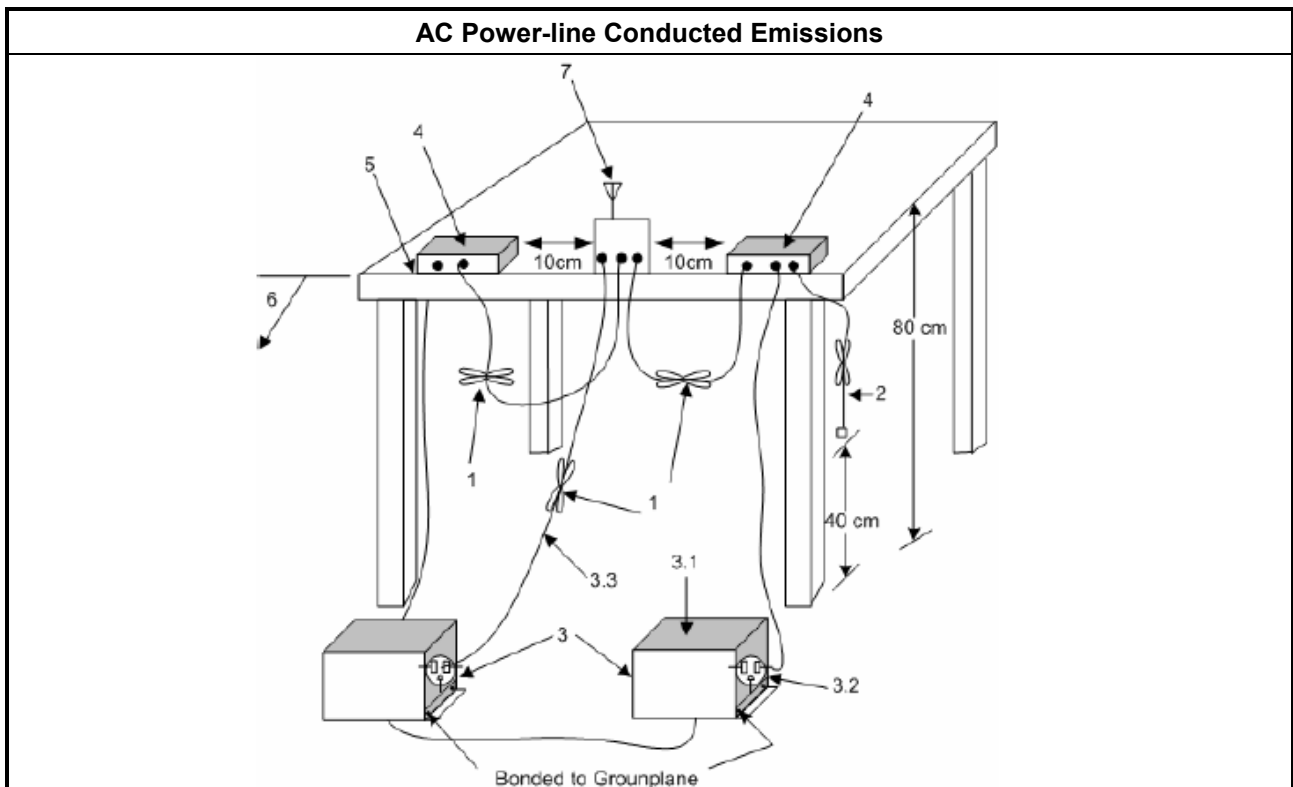
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

| Test Method   |
|---|
| <ul style="list-style-type: none"> <li>Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.</li> </ul> |

##### 3.1.4 Test Setup





### **3.1.5 Test Result of AC Power-line Conducted Emissions**

Refer as Appendix A

### 3.2 20dB Bandwidth and Carrier Frequency Separation

#### 3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

| 20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems |  |
|---|--|
| <ul style="list-style-type: none"> <li>2400-2483.5 MHz Band:</li> </ul>             |  |
|   | <ul style="list-style-type: none"> <li><math>N \geq 75</math> and <math>ChS \geq MAX</math> (20 dB bandwidth, 25 kHz).</li> </ul>            |
|   | <ul style="list-style-type: none"> <li><math>75 &gt; N \geq 15</math> and <math>ChS \geq MAX</math> (20 dB bandwidth 2/3,25 kHz).</li> </ul> |
| <b>N:</b> Number of Hopping Frequencies; <b>ChS:</b> Hopping Channel Separation     |  |

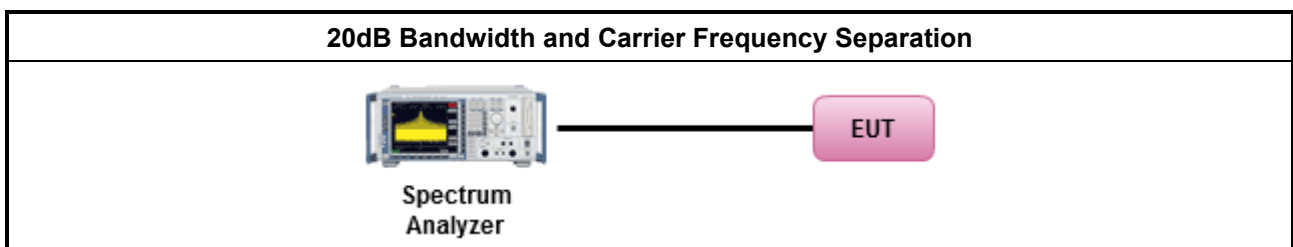
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

| Test Method   |
|---|
| <ul style="list-style-type: none"> <li>Refer as ANSI C63.10-2013, clause 6.9.2 for 20 dB bandwidth measurement.</li> </ul>              |
| <ul style="list-style-type: none"> <li>Refer as ANSI C63.10-2013, clause 7.8.2 for carrier frequency separation measurement.</li> </ul> |

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

#### 3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B



### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit                                      |   |
|---|---|
| <ul style="list-style-type: none"> <li>▪ 2400-2483.5 MHz Band:</li> </ul> |   |
|   | <ul style="list-style-type: none"> <li>▪ <math>N \geq 75</math>; Power 30dBm; EIRP 36dBm</li> </ul>         |
|   | <ul style="list-style-type: none"> <li>▪ <math>75 &gt; N \geq 15</math>; Power 21dBm; EIRP 27dBm</li> </ul> |
| <b>N:</b> Number of Hopping Frequencies                                   |   |

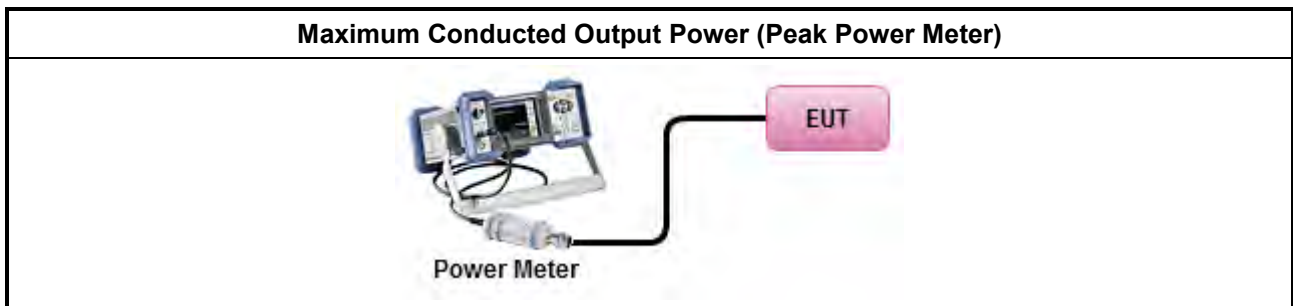
#### 3.3.2 Measuring Instruments

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

#### 3.3.3 Test Procedures

| Test Method   |
|---|
| <ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10-2013, clause 7.8.5 for output power measurement.</li> </ul> |

#### 3.3.4 Test Setup



#### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Number of Hopping Frequencies and Hopping Bandedge

#### 3.4.1 Number of Hopping Frequencies Limit

| Number of Hopping Frequencies Limit  |   |
|--|---|
| <ul style="list-style-type: none"> <li>▪ 2400-2483.5 MHz Band:</li> </ul>        |   |
|  | <ul style="list-style-type: none"> <li>▪ <math>N \geq 75</math> and <math>ChS \geq MAX</math> (20 dB bandwidth, 25 kHz).</li> </ul>             |
|  | <ul style="list-style-type: none"> <li>▪ <math>75 &gt; N \geq 15</math> and <math>ChS \geq MAX</math> (20 dB bandwidth 2/3, 25 kHz).</li> </ul> |
| <b>N:</b> Number of Hopping Frequencies; <b>ChS</b> : Hopping Channel Separation |   |

#### 3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

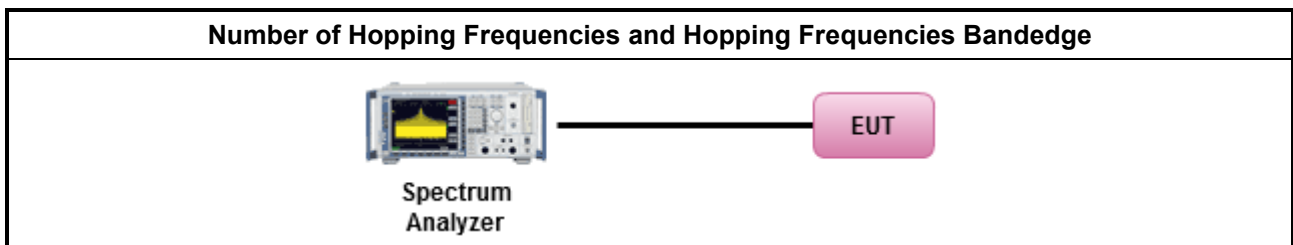
#### 3.4.3 Measuring Instruments

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

#### 3.4.4 Test Procedures

| Test Method  |
|--|
| <ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.</li> </ul> |
| <ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10-2013, clause 7.8.6 for hopping frequencies Bandedge measurement.</li> </ul>  |

#### 3.4.5 Test Setup



#### 3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

#### 3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

### 3.5 Time of Occupancy (Dwell Time)

#### 3.5.1 Time of Occupancy (Dwell Time) Limit

| Time of Occupancy (Dwell Time) Limit for Frequency Hopping Systems      |  |
|---|--|
| <ul style="list-style-type: none"> <li>2400-2483.5 MHz Band:</li> </ul> |  |
|   | <ul style="list-style-type: none"> <li><math>N \geq 75</math>; 0.4s in <math>N \times 0.4</math> period</li> </ul>         |
|   | <ul style="list-style-type: none"> <li><math>75 &gt; N \geq 15</math>; 0.4s in <math>N \times 0.4</math> period</li> </ul> |
| <b>N:</b> Number of Hopping Frequencies                                 |  |

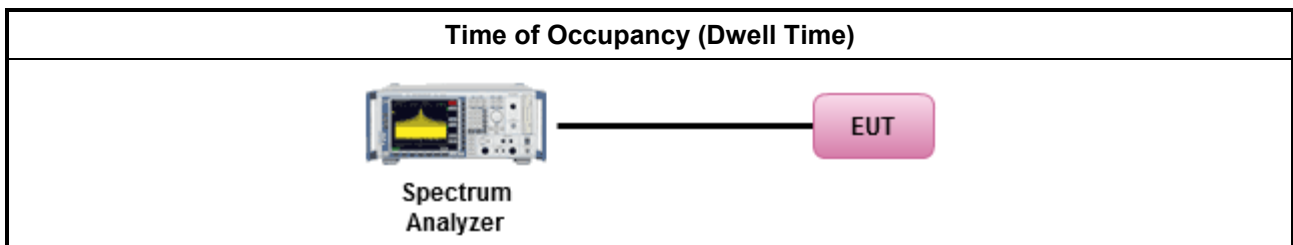
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

| Test Method  |  |
|--|--|
| <ul style="list-style-type: none"> <li>Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement.</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>Bluetooth ACL packets can be 1, 3, or 5 time slots. Following as dwell time. Operate DH5 at maximum dwell time and maximum duty cycle.</li> </ul> |  |
|  | <ul style="list-style-type: none"> <li>The DH5 packet can cover up to 5 time slots. Operate DH5 at maximum dwell time and maximum duty cycle. A maximum length packet has duration of 5 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is <math>5/1600</math> seconds, or 3.125ms. DH5 Packet permit maximum <math>1600 / 79 / 6 = 3.37</math> hops per second in each channel.</li> </ul> |

#### 3.5.4 Test Setup



#### 3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

### 3.6 Emissions in Non-restricted Frequency Bands

#### 3.6.1 Emissions in Non-restricted Frequency Bands Limit

| Un-restricted Band Emissions Limit  |            |
|---|------------|
| RF output power procedure   | Limit (dB) |
| Peak output power procedure   | 20         |
| Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. |            |

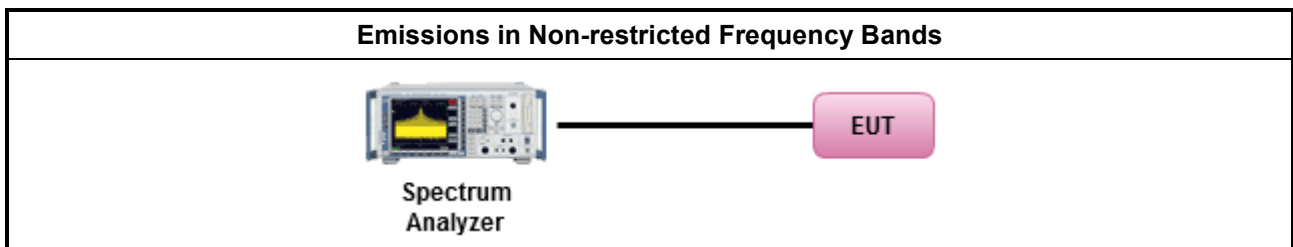
#### 3.6.2 Measuring Instruments

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

#### 3.6.3 Test Procedures

| Test Method   |
|---|
| <ul style="list-style-type: none"> <li>Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.</li> </ul> |

#### 3.6.4 Test Setup



#### 3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F

### 3.7 Emissions in Restricted Frequency Bands

#### 3.7.1 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.

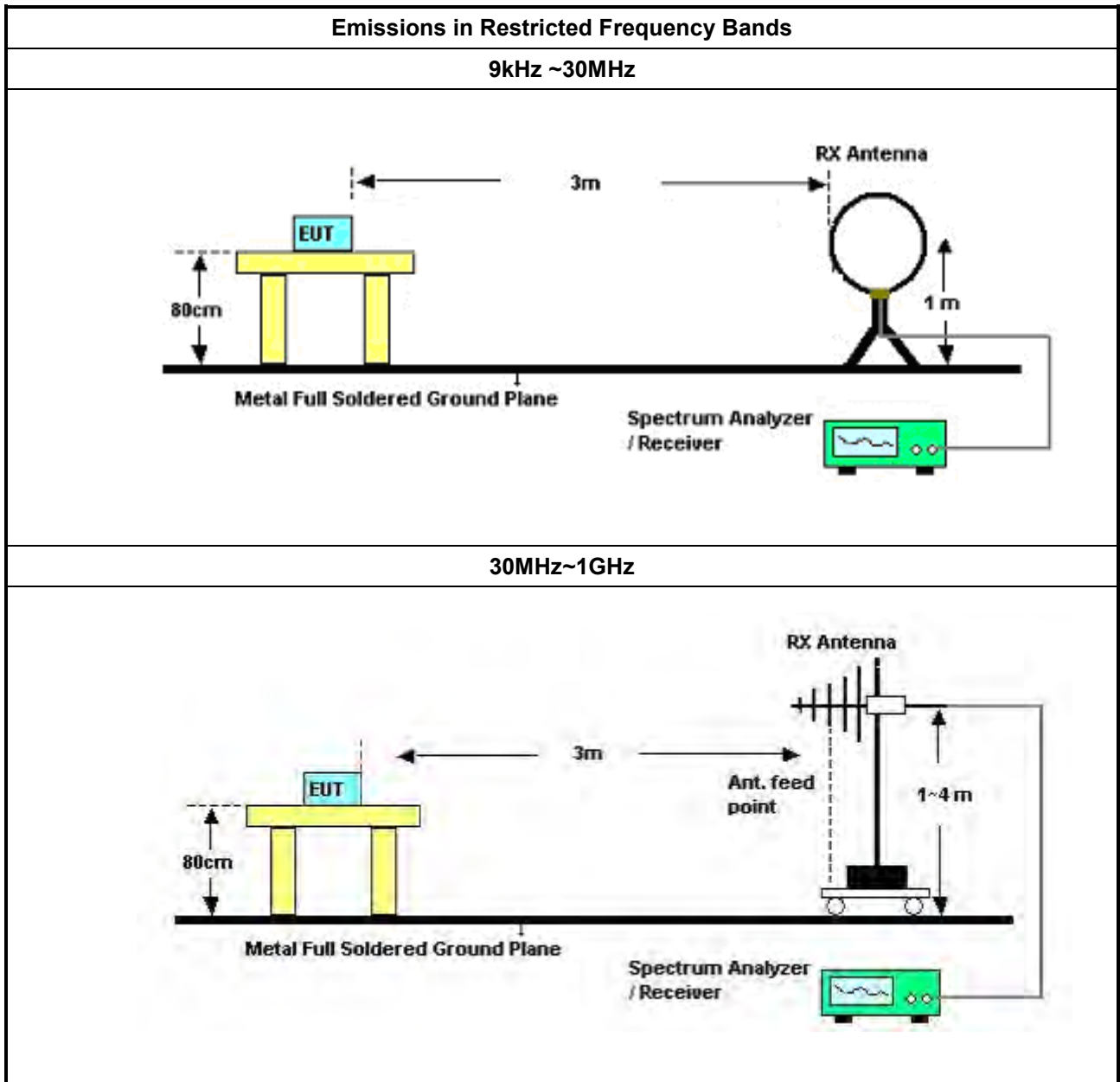
#### 3.7.2 Measuring Instruments

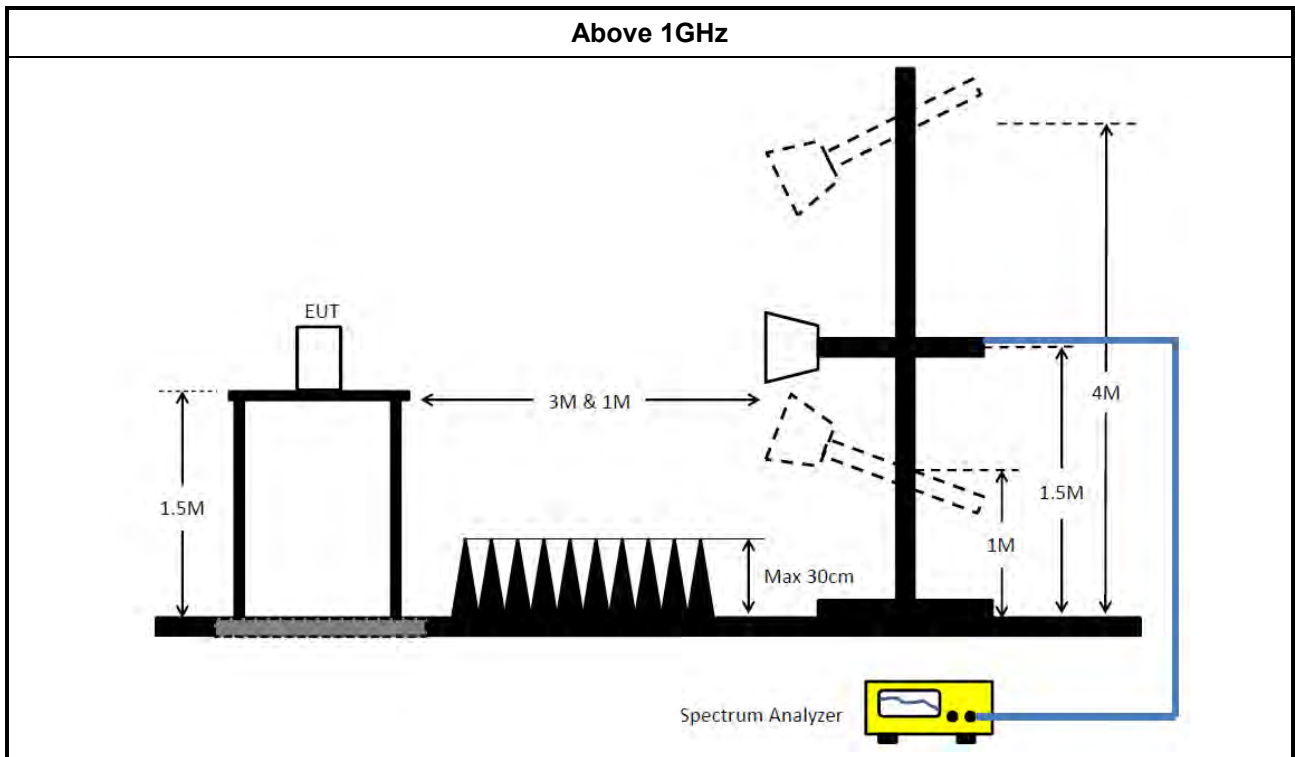
Refer a test equipment and calibration data table in this test report.

#### 3.7.3 Test Procedures

| Test Method |  |
|-------------|--|
|             | <ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [hopping duty factor].</li> </ul>  |
|             | <ul style="list-style-type: none"> <li>▪ 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.</li> </ul>   |
|             | <ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:               <ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.</li> <li>▪ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.</li> <li>▪ Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.</li> </ul> </li> </ul> |

### 3.7.4 Test Setup





### 3.7.5 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

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

### 3.7.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G

## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

| Instrument                        | Manufacturer | Model No.   | Serial No.     | Spec.               | Calibration Date | Calibration Due Date |
|-----------------------------------|--------------|-------------|----------------|---------------------|------------------|----------------------|
| EMC Receiver                      | R&S          | ESR         | 102051         | 9KHz ~ 3.6GHz       | 03/May/2018      | 02/May/2019          |
| LISN                              | R&S          | ENV216      | 101295         | 9kHz ~ 30MHz        | 17/Nov/2017      | 16/Nov/2018          |
| RF Cable-CON                      | HUBER+SUHNER | RG213/U     | 07611832020001 | 9kHz ~ 30MHz        | 06/Oct/2017      | 05/Oct/2018          |
| AC POWER                          | APC          | AFC-11005G  | F310050055     | 47Hz~63Hz<br>5~300V | NCR              | NCR                  |
| Impuls Begrenzer<br>Pulse Limiter | SCHWARZBECK  | VTSD 9561-F | 9561-F041      | 9 kHz ~ 30 MHz      | 12/Oct/2017      | 11/Oct/2018          |

**NCR : Non-Calibration Require**

### Instrument for Conducted Test

| Instrument         | Manufacturer | Model No. | Serial No.    | Spec.          | Calibration Date | Calibration Due Date |
|--------------------|--------------|-----------|---------------|----------------|------------------|----------------------|
| Spectrum Analyzer  | R&S          | FSV 40    | 101013        | 9kHz~40GHz     | 29/Dec/2017      | 28/Dec/2018          |
| Signal Generator   | R&S          | SMB100A   | 175727        | 100kHz~40GHz   | 26/Oct/2017      | 25/Oct/2018          |
| Pulse Power Sensor | Anritsu      | MA2411B   | 1027452       | 300MHz ~ 40GHz | 27/Feb/2018      | 26/Feb/2019          |
| Power Meter        | Anritsu      | ML2495A   | 1124009       | 300MHz ~ 40GHz | 27/Feb/2018      | 26/Feb/2019          |
| CABLE 0.2m         | HUBER        | MY37960/4 | RF Cable - 17 | 1 to 18GHz     | 17/Jan/2018      | 16/Jan/2019          |
| CABLE 0.2m         | HUBER        | MY37960/4 | RF Cable - 17 | 30 to 1000MHz  | 17/Jan/2018      | 16/Jan/2019          |
| CABLE 0.5m         | HUBER        | MY37963/4 | RF Cable - 22 | 1 to 18GHz     | 17/Jan/2018      | 16/Jan/2019          |



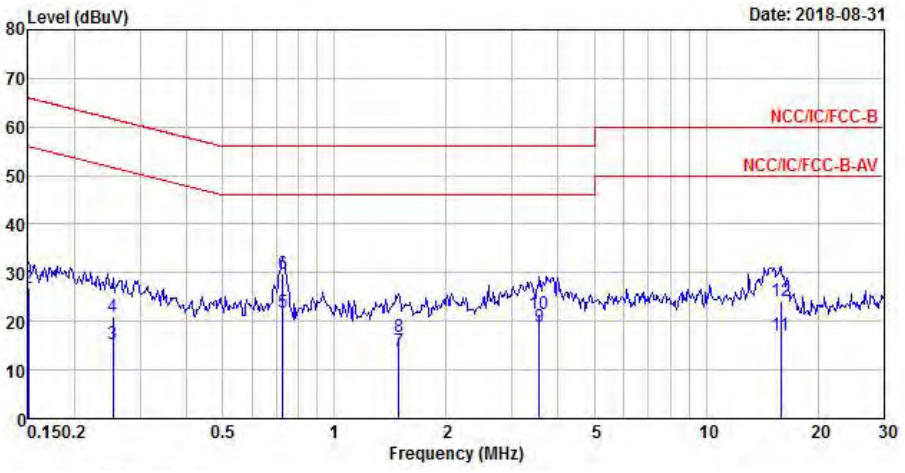


Instrument for Radiated Test

| Instrument                       | Manufacturer | Model No.             | Serial No.           | Spec.          | Calibration Date | Calibration Due Date |
|----------------------------------|--------------|-----------------------|----------------------|----------------|------------------|----------------------|
| 3m Semi Anechoic Chamber         | TDK          | SAC-3M                | 03CH09-HY            | 30MHz ~ 1GHz   | 23/Apr/2018      | 22/Apr/2019          |
| 3m Semi Anechoic Chamber         | TDK          | SAC-3M                | 03CH09-HY            | 1GHz ~ 18GHz   | 14/Jun/2018      | 13/Jun/2019          |
| Microwave Preamplifier           | Agilent      | 8449B                 | 3008A02096           | 1GHz ~ 26.5GHz | 10/May/2018      | 09/May/2019          |
| Amplifier                        | EMC          | EMC9135               | 980232               | 9KHz~1GHz      | 27/Apr/2018      | 26/Apr/2019          |
| EXA Signal Analyzer              | KEYSIGHT     | N9010A                | MY54200885           | 10Hz ~ 44GHz   | 31/Jul/2018      | 30/Jul/2019          |
| Bilog Antenna & 5dB Attenuator   | TESEQ & MTJ  | CBL6111D & MTJ6102-05 | 35418 / 3            | 30MHz~1GHz     | 09/Sep/2017      | 08/Sep/2018          |
| Double Ridged Guide Horn Antenna | SCHWARZBECK  | BBHA 9120 D           | BBHA9120 D 1534      | 1GHz~18GHz     | 30/Apr/2018      | 29/Apr/2019          |
| Broadband Horn Antenna           | SCHWARZBECK  | BBHA 9170             | BBHA9170614          | 18GHz~40GHz    | 09/Feb/2018      | 08/Feb/2019          |
| Preamplifier                     | MITEQ        | TTA1840-35-HG         | 1864481              | 18GHz ~ 40GHz  | 24/Aug/2018      | 23/Aug/2019          |
| Loop Antenna                     | TESEQ        | HLA 6120              | 31244                | 9k-30MHz       | 29/Mar/2018      | 28/Mar/2019          |
| RF Cable-R03m                    | Jye Bao      | RG142                 | CB031                | 9kHz ~ 1GHz    | 1/Feb/2018       | 31/Jan/2019          |
| RF Cable-high                    | HUBER+SUHNER | SUCOFLEX104           | SN 556626/4 + 556627 | 1GHz ~ 40GHz   | 14/Mar/2018      | 13/Mar/2019          |



| AC Power-line Conducted Emissions Result   |              |              |               |              |              |             |             |                |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
|--|--------------|--------------|---------------|--------------|--------------|-------------|-------------|----------------|------------|-------------|------------|--------|--|-----|------|----|------|------|----|----|--|---|------|-------|--------|-------|------|------|------|---------|---|------|-------|--------|-------|-------|------|------|----|---|------|-------|--------|-------|------|------|------|---------|---|------|-------|--------|-------|-------|------|------|----|--------------|-------------|--------------|---------------|--------------|--------------|-------------|-------------|----------------|---|------|-------|--------|-------|-------|------|------|----|---|------|-------|--------|-------|------|------|------|---------|---|------|-------|--------|-------|-------|------|------|----|---|------|-------|--------|-------|-------|------|------|---------|----|------|-------|--------|-------|-------|------|------|----|----|-------|-------|--------|-------|-------|------|------|---------|----|-------|-------|--------|-------|-------|------|------|----|
| Operating Mode   | 1            | Power Phase  | Neutral       |              |              |             |             |                |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| Operating Function   | Adapter Mode |              |               |              |              |             |             |                |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| Date: 2018-08-31   |              |              |               |              |              |             |             |                |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
|  |              |              |               |              |              |             |             |                |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit Line</th> <th>Read Level</th> <th>LISN Factor</th> <th>Cable Loss</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV</th> <th>dB</th> <th>dBuV</th> <th>dBuV</th> <th>dB</th> <th>dB</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.16</td> <td>19.15</td> <td>-36.50</td> <td>55.65</td> <td>9.48</td> <td>9.63</td> <td>0.04</td> <td>Average</td> </tr> <tr> <td>2</td> <td>0.16</td> <td>26.89</td> <td>-38.76</td> <td>65.65</td> <td>17.22</td> <td>9.63</td> <td>0.04</td> <td>QP</td> </tr> <tr> <td>3</td> <td>0.32</td> <td>18.20</td> <td>-31.60</td> <td>49.80</td> <td>8.52</td> <td>9.61</td> <td>0.07</td> <td>Average</td> </tr> <tr> <td>4</td> <td>0.32</td> <td>23.12</td> <td>-36.68</td> <td>59.80</td> <td>13.44</td> <td>9.61</td> <td>0.07</td> <td>QP</td> </tr> <tr style="background-color: #e0e0e0;"> <td><b>5 MAX</b></td> <td><b>0.72</b></td> <td><b>27.72</b></td> <td><b>-18.28</b></td> <td><b>46.00</b></td> <td><b>18.06</b></td> <td><b>9.62</b></td> <td><b>0.04</b></td> <td><b>Average</b></td> </tr> <tr> <td>6</td> <td>0.72</td> <td>35.56</td> <td>-20.44</td> <td>56.00</td> <td>25.90</td> <td>9.62</td> <td>0.04</td> <td>QP</td> </tr> <tr> <td>7</td> <td>0.88</td> <td>17.98</td> <td>-28.02</td> <td>46.00</td> <td>8.35</td> <td>9.62</td> <td>0.01</td> <td>Average</td> </tr> <tr> <td>8</td> <td>0.88</td> <td>23.21</td> <td>-32.79</td> <td>56.00</td> <td>13.58</td> <td>9.62</td> <td>0.01</td> <td>QP</td> </tr> <tr> <td>9</td> <td>3.72</td> <td>20.86</td> <td>-25.14</td> <td>46.00</td> <td>11.14</td> <td>9.64</td> <td>0.08</td> <td>Average</td> </tr> <tr> <td>10</td> <td>3.72</td> <td>24.41</td> <td>-31.59</td> <td>56.00</td> <td>14.69</td> <td>9.64</td> <td>0.08</td> <td>QP</td> </tr> <tr> <td>11</td> <td>14.83</td> <td>21.69</td> <td>-28.31</td> <td>50.00</td> <td>11.98</td> <td>9.70</td> <td>0.01</td> <td>Average</td> </tr> <tr> <td>12</td> <td>14.83</td> <td>27.16</td> <td>-32.84</td> <td>60.00</td> <td>17.45</td> <td>9.70</td> <td>0.01</td> <td>QP</td> </tr> </tbody> </table> |              |              |               |              | Freq         | Level       | Over Limit  | Limit Line     | Read Level | LISN Factor | Cable Loss | Remark |  | MHz | dBuV | dB | dBuV | dBuV | dB | dB |  | 1 | 0.16 | 19.15 | -36.50 | 55.65 | 9.48 | 9.63 | 0.04 | Average | 2 | 0.16 | 26.89 | -38.76 | 65.65 | 17.22 | 9.63 | 0.04 | QP | 3 | 0.32 | 18.20 | -31.60 | 49.80 | 8.52 | 9.61 | 0.07 | Average | 4 | 0.32 | 23.12 | -36.68 | 59.80 | 13.44 | 9.61 | 0.07 | QP | <b>5 MAX</b> | <b>0.72</b> | <b>27.72</b> | <b>-18.28</b> | <b>46.00</b> | <b>18.06</b> | <b>9.62</b> | <b>0.04</b> | <b>Average</b> | 6 | 0.72 | 35.56 | -20.44 | 56.00 | 25.90 | 9.62 | 0.04 | QP | 7 | 0.88 | 17.98 | -28.02 | 46.00 | 8.35 | 9.62 | 0.01 | Average | 8 | 0.88 | 23.21 | -32.79 | 56.00 | 13.58 | 9.62 | 0.01 | QP | 9 | 3.72 | 20.86 | -25.14 | 46.00 | 11.14 | 9.64 | 0.08 | Average | 10 | 3.72 | 24.41 | -31.59 | 56.00 | 14.69 | 9.64 | 0.08 | QP | 11 | 14.83 | 21.69 | -28.31 | 50.00 | 11.98 | 9.70 | 0.01 | Average | 12 | 14.83 | 27.16 | -32.84 | 60.00 | 17.45 | 9.70 | 0.01 | QP |
|  | Freq         | Level        | Over Limit    | Limit Line   | Read Level   | LISN Factor | Cable Loss  | Remark         |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
|  | MHz          | dBuV         | dB            | dBuV         | dBuV         | dB          | dB          |                |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 1  | 0.16         | 19.15        | -36.50        | 55.65        | 9.48         | 9.63        | 0.04        | Average        |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 2  | 0.16         | 26.89        | -38.76        | 65.65        | 17.22        | 9.63        | 0.04        | QP             |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 3  | 0.32         | 18.20        | -31.60        | 49.80        | 8.52         | 9.61        | 0.07        | Average        |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 4  | 0.32         | 23.12        | -36.68        | 59.80        | 13.44        | 9.61        | 0.07        | QP             |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| <b>5 MAX</b>   | <b>0.72</b>  | <b>27.72</b> | <b>-18.28</b> | <b>46.00</b> | <b>18.06</b> | <b>9.62</b> | <b>0.04</b> | <b>Average</b> |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 6  | 0.72         | 35.56        | -20.44        | 56.00        | 25.90        | 9.62        | 0.04        | QP             |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 7  | 0.88         | 17.98        | -28.02        | 46.00        | 8.35         | 9.62        | 0.01        | Average        |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 8  | 0.88         | 23.21        | -32.79        | 56.00        | 13.58        | 9.62        | 0.01        | QP             |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 9  | 3.72         | 20.86        | -25.14        | 46.00        | 11.14        | 9.64        | 0.08        | Average        |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 10   | 3.72         | 24.41        | -31.59        | 56.00        | 14.69        | 9.64        | 0.08        | QP             |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 11   | 14.83        | 21.69        | -28.31        | 50.00        | 11.98        | 9.70        | 0.01        | Average        |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| 12   | 14.83        | 27.16        | -32.84        | 60.00        | 17.45        | 9.70        | 0.01        | QP             |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |
| <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>  |              |              |               |              |              |             |             |                |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |              |             |              |               |              |              |             |             |                |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |       |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |       |      |      |         |    |       |       |        |       |       |      |      |    |

| AC Power-line Conducted Emissions Result  |              |             |            |            |            |             |            |            |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
|---|--------------|-------------|------------|------------|------------|-------------|------------|------------|------------|-------------|------------|--------|--|-----|------|----|------|------|----|----|--|---|------|-------|--------|-------|------|------|------|---------|---|------|-------|--------|-------|-------|------|------|----|---|------|-------|--------|-------|------|------|------|---------|---|------|-------|--------|-------|-------|------|------|----|-------|------|-------|--------|-------|-------|------|------|---------|---|------|-------|--------|-------|-------|------|------|----|---|------|-------|--------|-------|------|------|------|---------|---|------|-------|--------|-------|------|------|------|----|---|------|-------|--------|-------|------|------|------|---------|----|------|-------|--------|-------|-------|------|------|----|----|-------|-------|--------|-------|------|------|------|---------|----|-------|-------|--------|-------|-------|------|------|----|
| Operating Mode  | 1            | Power Phase | Line       |            |            |             |            |            |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| Operating Function  | Adapter Mode |             |            |            |            |             |            |            |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| Date: 2018-08-31  |              |             |            |            |            |             |            |            |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
|   |              |             |            |            |            |             |            |            |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit Line</th> <th>Read Level</th> <th>LISN Factor</th> <th>Cable Loss</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV</th> <th>dB</th> <th>dBuV</th> <th>dBuV</th> <th>dB</th> <th>dB</th> <th></th> </tr> </thead> <tbody> <tr><td>1</td><td>0.15</td><td>19.01</td><td>-36.99</td><td>56.00</td><td>9.35</td><td>9.62</td><td>0.04</td><td>Average</td></tr> <tr><td>2</td><td>0.15</td><td>26.83</td><td>-39.17</td><td>66.00</td><td>17.17</td><td>9.62</td><td>0.04</td><td>QP</td></tr> <tr><td>3</td><td>0.25</td><td>15.32</td><td>-36.32</td><td>51.64</td><td>5.67</td><td>9.62</td><td>0.03</td><td>Average</td></tr> <tr><td>4</td><td>0.25</td><td>21.01</td><td>-40.63</td><td>61.64</td><td>11.36</td><td>9.62</td><td>0.03</td><td>QP</td></tr> <tr><td>5 MAX</td><td>0.73</td><td>21.92</td><td>-24.08</td><td>46.00</td><td>12.28</td><td>9.61</td><td>0.03</td><td>Average</td></tr> <tr><td>6</td><td>0.73</td><td>29.70</td><td>-26.30</td><td>56.00</td><td>20.06</td><td>9.61</td><td>0.03</td><td>QP</td></tr> <tr><td>7</td><td>1.49</td><td>13.99</td><td>-32.01</td><td>46.00</td><td>4.37</td><td>9.62</td><td>0.00</td><td>Average</td></tr> <tr><td>8</td><td>1.49</td><td>16.87</td><td>-39.13</td><td>56.00</td><td>7.25</td><td>9.62</td><td>0.00</td><td>QP</td></tr> <tr><td>9</td><td>3.57</td><td>18.82</td><td>-27.18</td><td>46.00</td><td>9.12</td><td>9.63</td><td>0.07</td><td>Average</td></tr> <tr><td>10</td><td>3.57</td><td>21.69</td><td>-34.31</td><td>56.00</td><td>11.99</td><td>9.63</td><td>0.07</td><td>QP</td></tr> <tr><td>11</td><td>15.89</td><td>17.06</td><td>-32.94</td><td>50.00</td><td>7.39</td><td>9.63</td><td>0.04</td><td>Average</td></tr> <tr><td>12</td><td>15.89</td><td>24.11</td><td>-35.89</td><td>60.00</td><td>14.44</td><td>9.63</td><td>0.04</td><td>QP</td></tr> </tbody> </table> |              |             |            |            | Freq       | Level       | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |  | MHz | dBuV | dB | dBuV | dBuV | dB | dB |  | 1 | 0.15 | 19.01 | -36.99 | 56.00 | 9.35 | 9.62 | 0.04 | Average | 2 | 0.15 | 26.83 | -39.17 | 66.00 | 17.17 | 9.62 | 0.04 | QP | 3 | 0.25 | 15.32 | -36.32 | 51.64 | 5.67 | 9.62 | 0.03 | Average | 4 | 0.25 | 21.01 | -40.63 | 61.64 | 11.36 | 9.62 | 0.03 | QP | 5 MAX | 0.73 | 21.92 | -24.08 | 46.00 | 12.28 | 9.61 | 0.03 | Average | 6 | 0.73 | 29.70 | -26.30 | 56.00 | 20.06 | 9.61 | 0.03 | QP | 7 | 1.49 | 13.99 | -32.01 | 46.00 | 4.37 | 9.62 | 0.00 | Average | 8 | 1.49 | 16.87 | -39.13 | 56.00 | 7.25 | 9.62 | 0.00 | QP | 9 | 3.57 | 18.82 | -27.18 | 46.00 | 9.12 | 9.63 | 0.07 | Average | 10 | 3.57 | 21.69 | -34.31 | 56.00 | 11.99 | 9.63 | 0.07 | QP | 11 | 15.89 | 17.06 | -32.94 | 50.00 | 7.39 | 9.63 | 0.04 | Average | 12 | 15.89 | 24.11 | -35.89 | 60.00 | 14.44 | 9.63 | 0.04 | QP |
|   | Freq         | Level       | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark     |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
|   | MHz          | dBuV        | dB         | dBuV       | dBuV       | dB          | dB         |            |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 1   | 0.15         | 19.01       | -36.99     | 56.00      | 9.35       | 9.62        | 0.04       | Average    |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 2   | 0.15         | 26.83       | -39.17     | 66.00      | 17.17      | 9.62        | 0.04       | QP         |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 3   | 0.25         | 15.32       | -36.32     | 51.64      | 5.67       | 9.62        | 0.03       | Average    |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 4   | 0.25         | 21.01       | -40.63     | 61.64      | 11.36      | 9.62        | 0.03       | QP         |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 5 MAX   | 0.73         | 21.92       | -24.08     | 46.00      | 12.28      | 9.61        | 0.03       | Average    |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 6   | 0.73         | 29.70       | -26.30     | 56.00      | 20.06      | 9.61        | 0.03       | QP         |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 7   | 1.49         | 13.99       | -32.01     | 46.00      | 4.37       | 9.62        | 0.00       | Average    |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 8   | 1.49         | 16.87       | -39.13     | 56.00      | 7.25       | 9.62        | 0.00       | QP         |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 9   | 3.57         | 18.82       | -27.18     | 46.00      | 9.12       | 9.63        | 0.07       | Average    |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 10  | 3.57         | 21.69       | -34.31     | 56.00      | 11.99      | 9.63        | 0.07       | QP         |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 11  | 15.89        | 17.06       | -32.94     | 50.00      | 7.39       | 9.63        | 0.04       | Average    |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| 12  | 15.89        | 24.11       | -35.89     | 60.00      | 14.44      | 9.63        | 0.04       | QP         |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |
| <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>   |              |             |            |            |            |             |            |            |            |             |            |        |  |     |      |    |      |      |    |    |  |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |       |      |      |    |       |      |       |        |       |       |      |      |         |   |      |       |        |       |       |      |      |    |   |      |       |        |       |      |      |      |         |   |      |       |        |       |      |      |      |    |   |      |       |        |       |      |      |      |         |    |      |       |        |       |       |      |      |    |    |       |       |        |       |      |      |      |         |    |       |       |        |       |       |      |      |    |



**Summary**

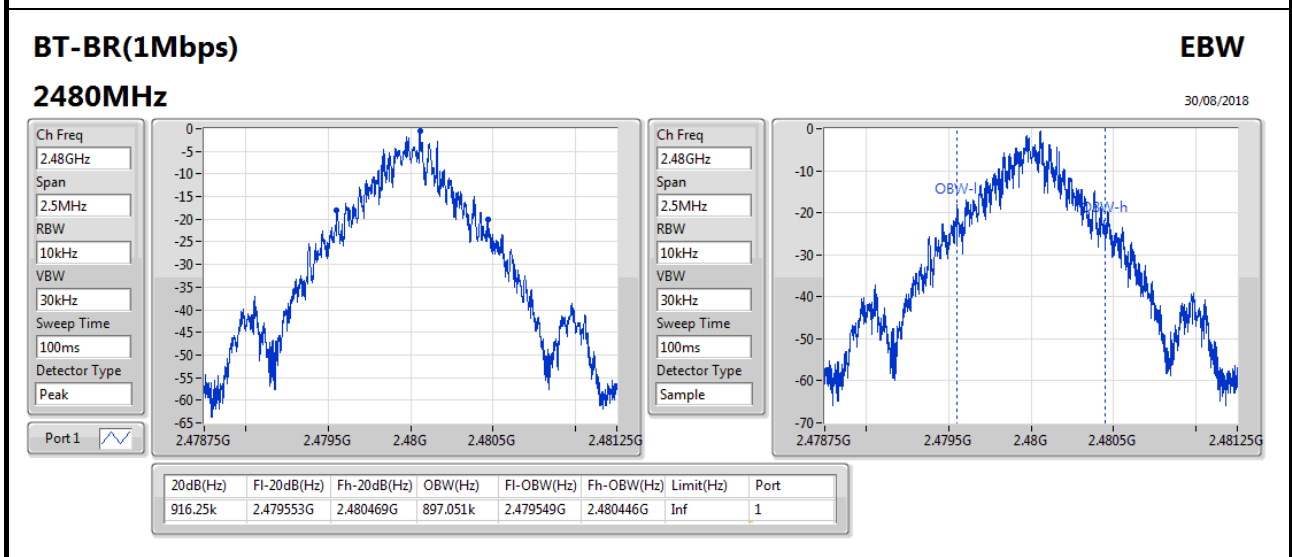
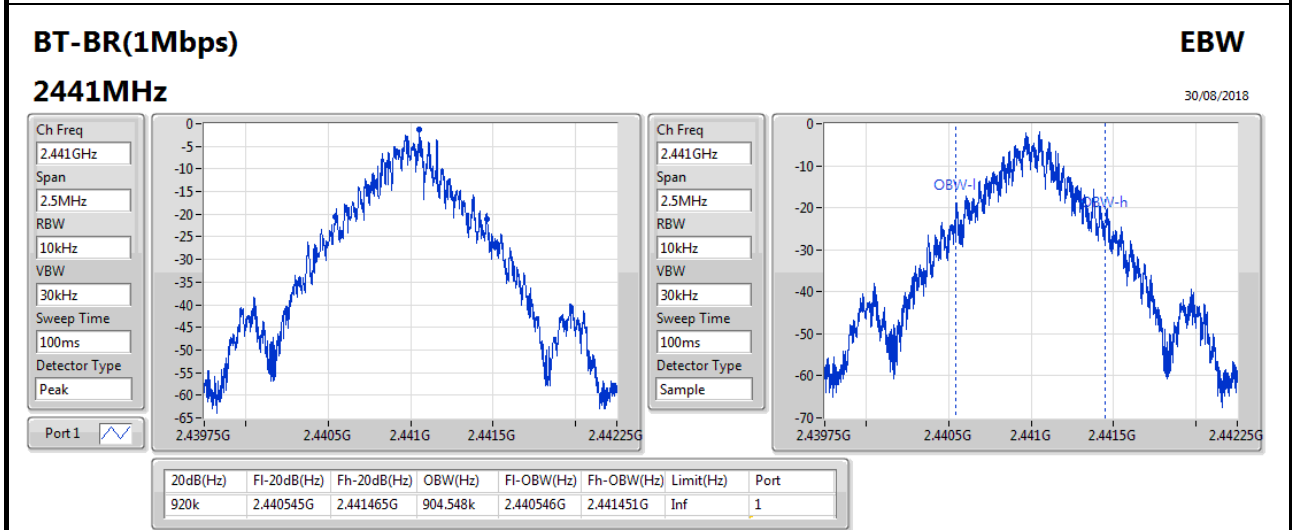
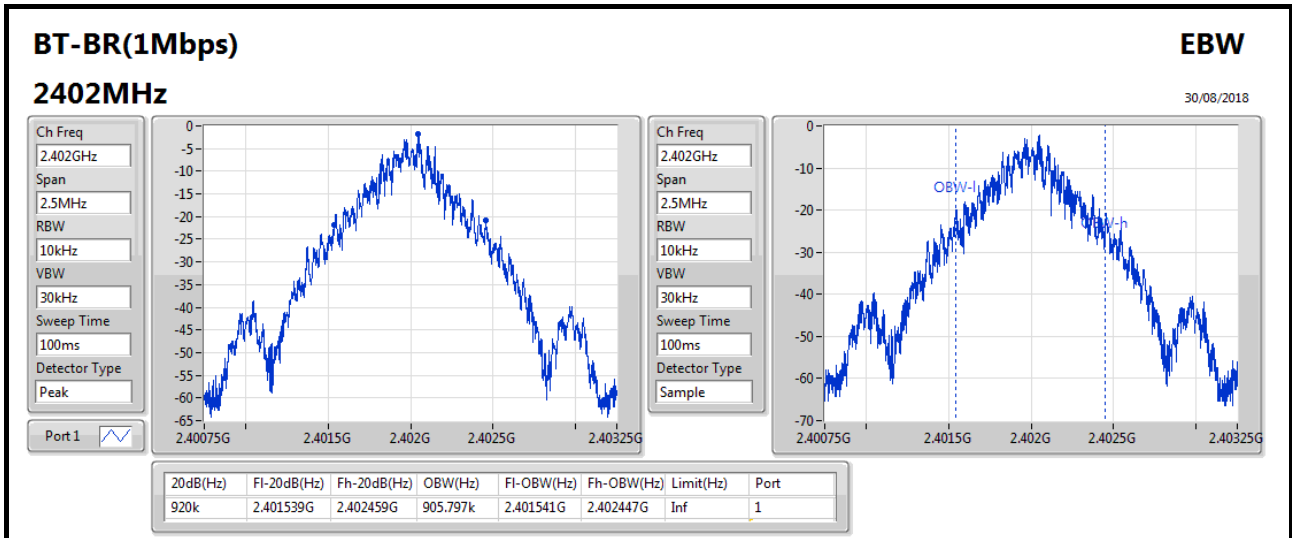
| Mode          | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|---------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz | -                | -               | -        | -                | -               |
| BT-BR(1Mbps)  | 920k             | 905.797k        | 906KF1D  | 916.25k          | 897.051k        |
| BT-EDR(2Mbps) | 1.345M           | 1.226M          | 1M23G1D  | 1.339M           | 1.226M          |
| BT-EDR(3Mbps) | 1.338M           | 1.228M          | 1M23G1D  | 1.335M           | 1.218M          |

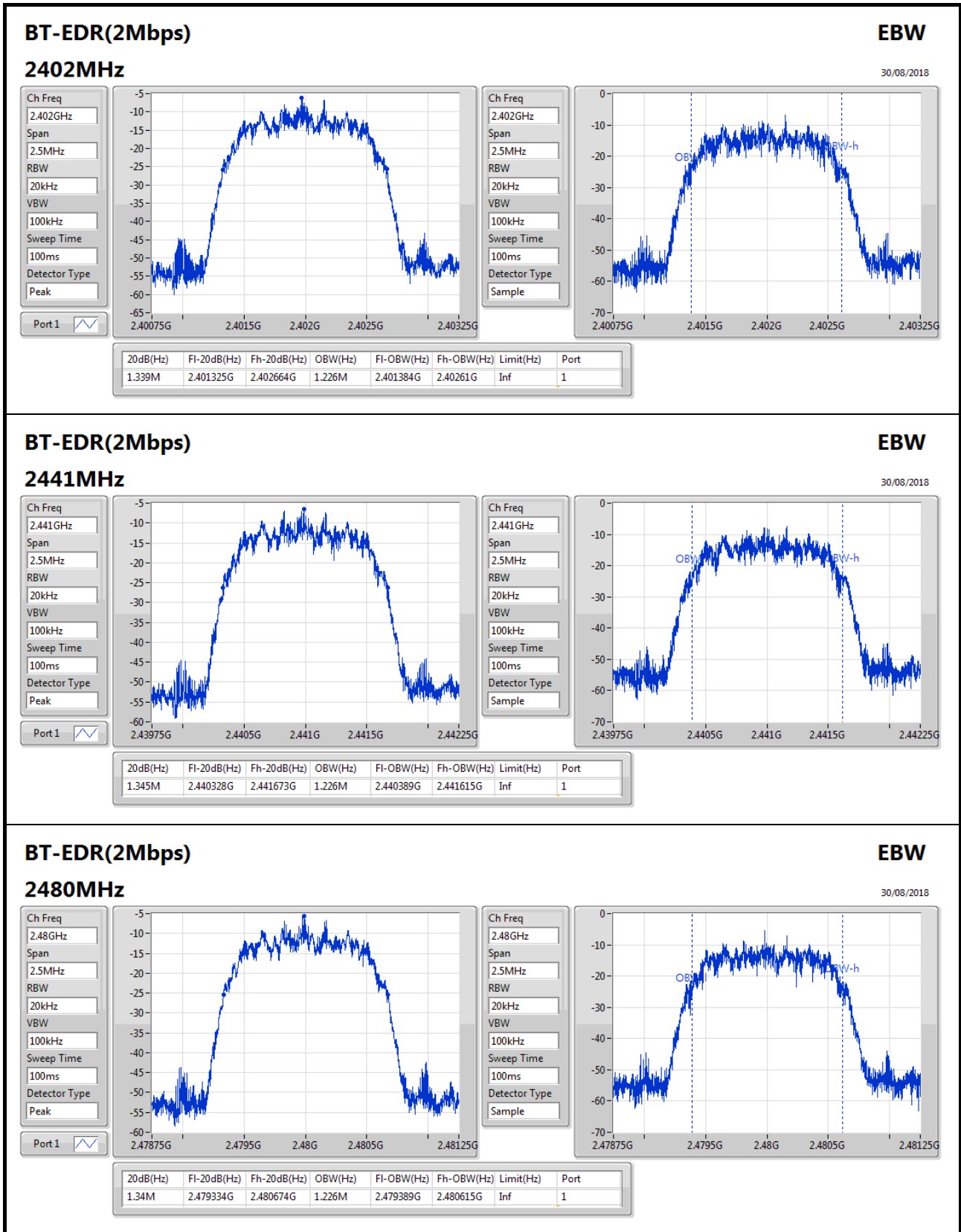
**Max-N dB** = Maximum 20dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;  
**Min-N dB** = Minimum 20dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

**Result**

| Mode             | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) |
|------------------|--------|---------------|---------------------|--------------------|
| BT-BR(1Mbps)     | -      | -             | -                   | -                  |
| 2402MHz_TnomVnom | Pass   | Inf           | 920k                | 905.797k           |
| 2441MHz_TnomVnom | Pass   | Inf           | 920k                | 904.548k           |
| 2480MHz_TnomVnom | Pass   | Inf           | 916.25k             | 897.051k           |
| BT-EDR(2Mbps)    | -      | -             | -                   | -                  |
| 2402MHz_TnomVnom | Pass   | Inf           | 1.339M              | 1.226M             |
| 2441MHz_TnomVnom | Pass   | Inf           | 1.345M              | 1.226M             |
| 2480MHz_TnomVnom | Pass   | Inf           | 1.34M               | 1.226M             |
| BT-EDR(3Mbps)    | -      | -             | -                   | -                  |
| 2402MHz_TnomVnom | Pass   | Inf           | 1.338M              | 1.228M             |
| 2441MHz_TnomVnom | Pass   | Inf           | 1.335M              | 1.228M             |
| 2480MHz_TnomVnom | Pass   | Inf           | 1.335M              | 1.218M             |

**Port X-N dB** = Port X 20dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;




**BT-EDR(2Mbps)**
**EBW**

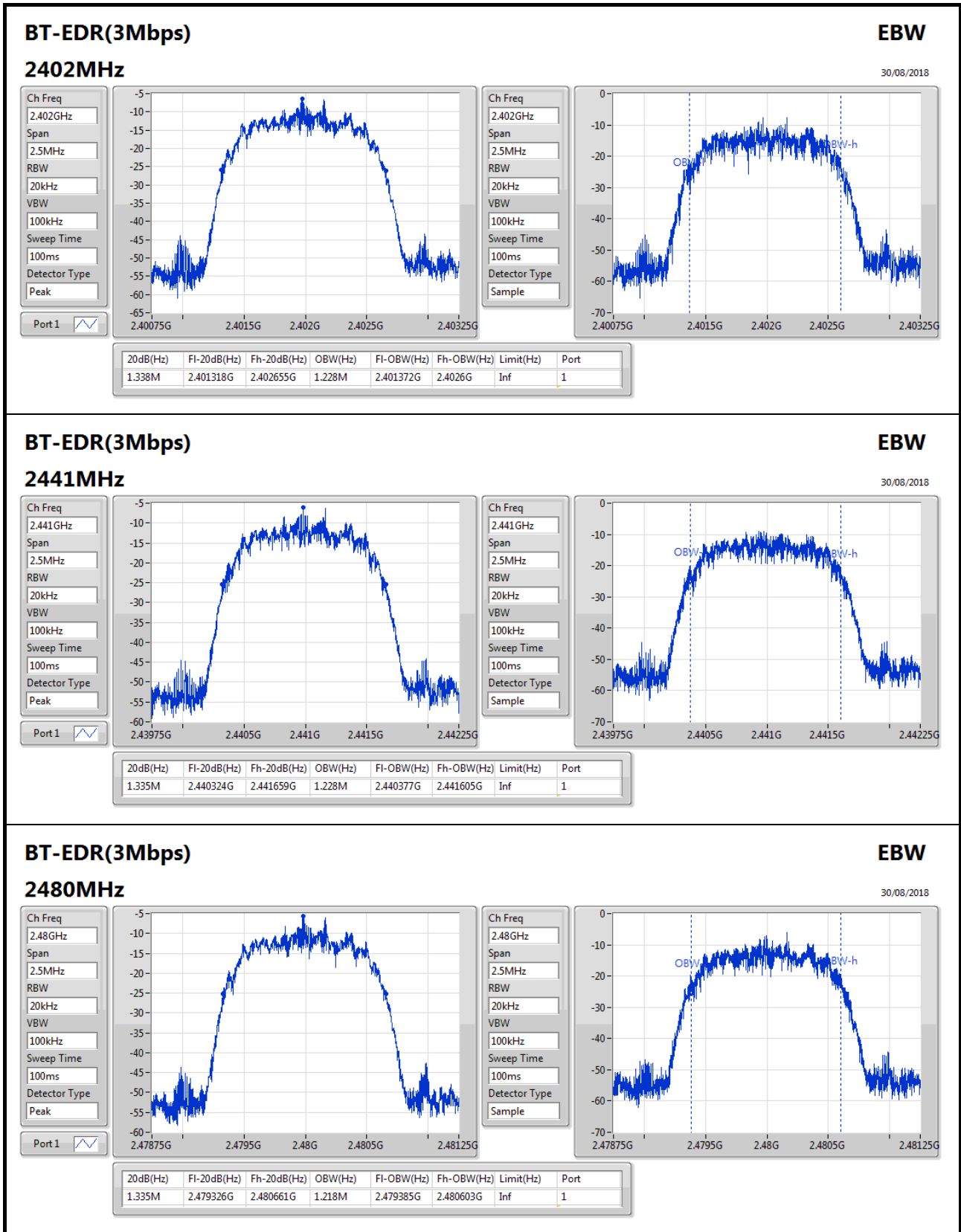
30/08/2018

**2480MHz**

Ch Freq: 2.48GHz  
Span: 2.5MHz  
RBW: 20kHz  
VBW: 100kHz  
Sweep Time: 100ms  
Detector Type: Peak

Port 1

Ch Freq: 2.48GHz  
Span: 2.5MHz  
RBW: 20kHz  
VBW: 100kHz  
Sweep Time: 100ms  
Detector Type: Sample


**BT-EDR(3Mbps)**
**EBW**

30/08/2018

**2480MHz**

Ch Freq: 2.48GHz  
Span: 2.5MHz  
RBW: 20kHz  
VBW: 100kHz  
Sweep Time: 100ms  
Detector Type: Peak

Port 1

Ch Freq: 2.48GHz  
Span: 2.5MHz  
RBW: 20kHz  
VBW: 100kHz  
Sweep Time: 100ms  
Detector Type: Sample



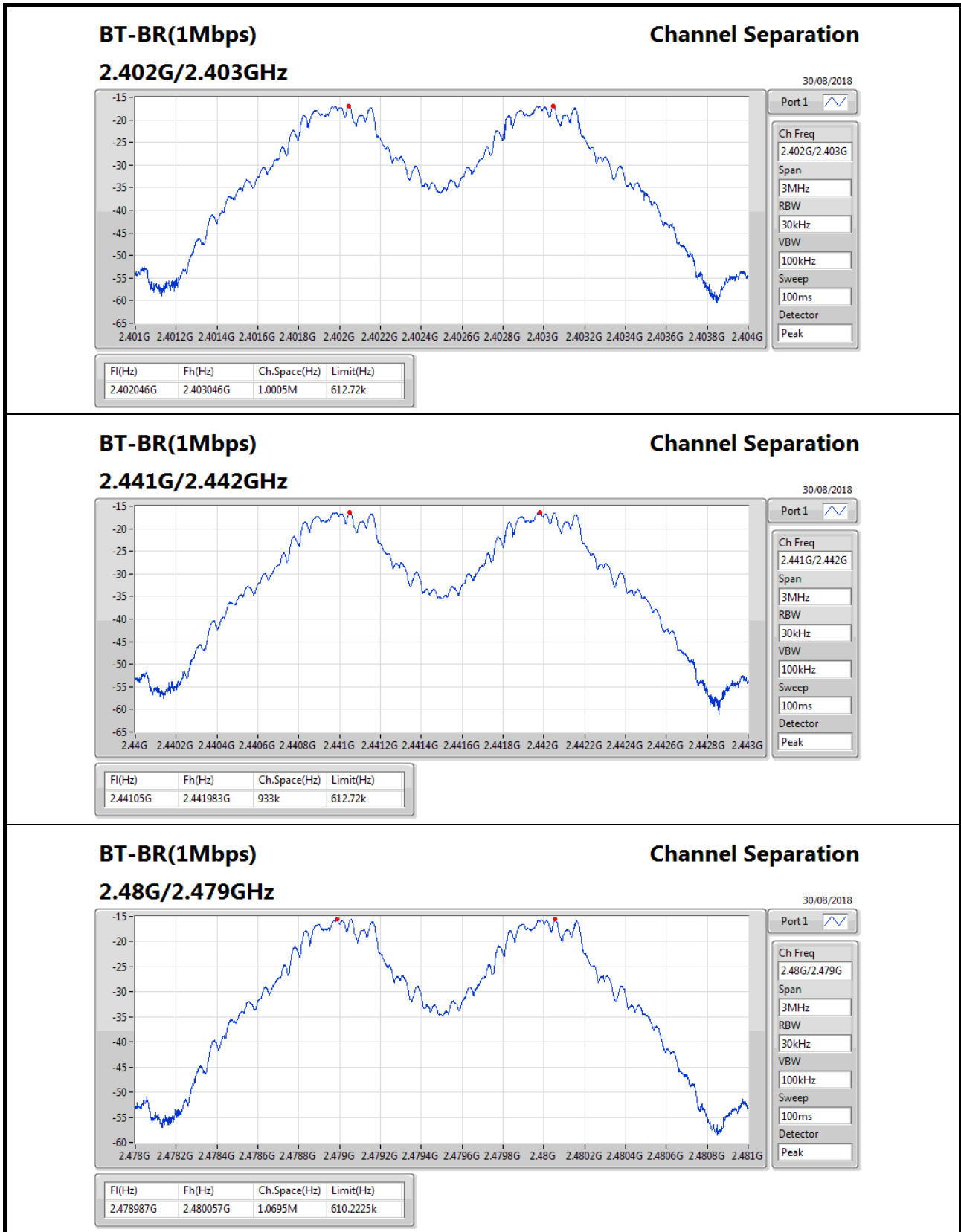
**Summary**

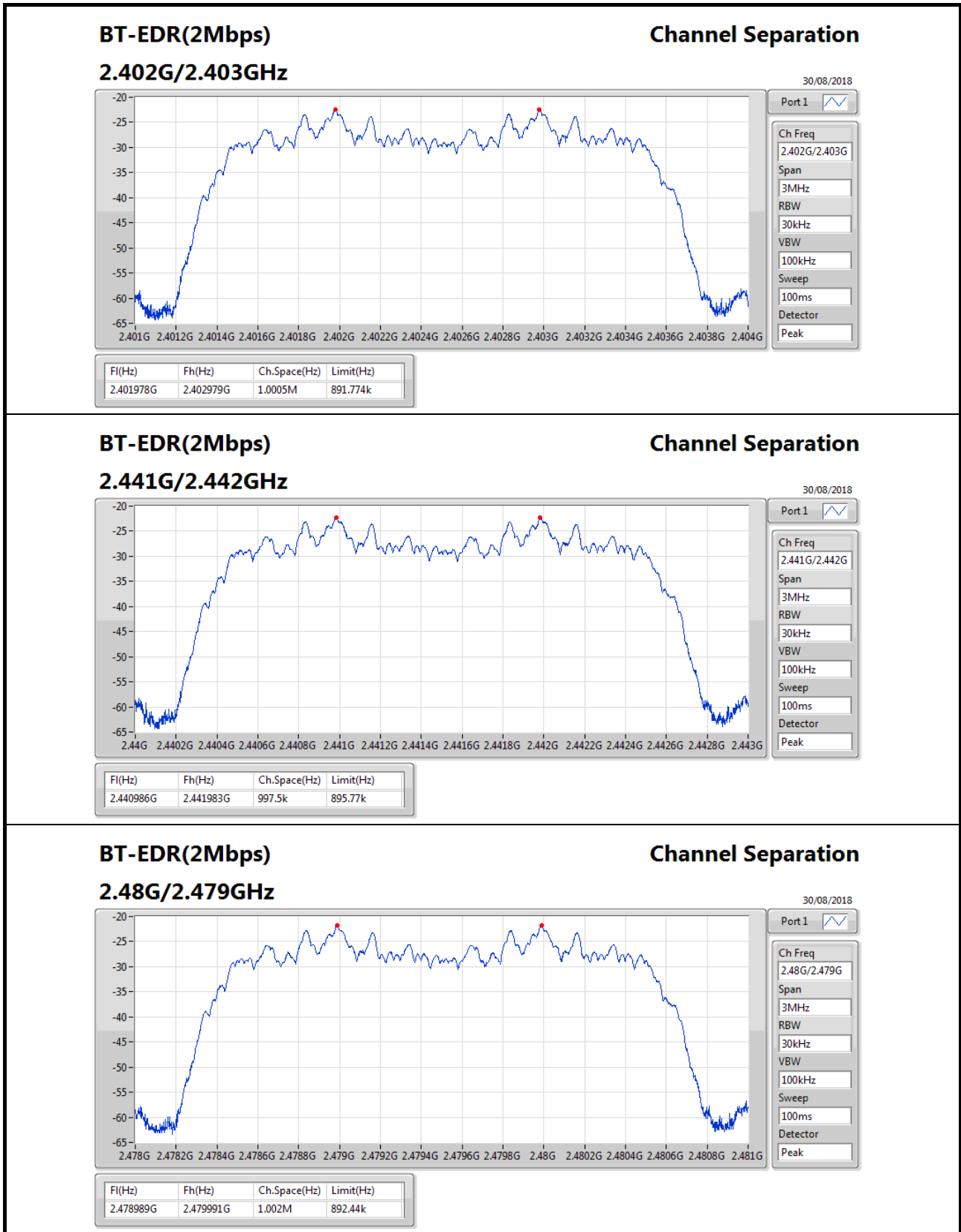
| Mode          | Max-Space<br>(Hz) | Min-Space<br>(Hz) |
|---------------|-------------------|-------------------|
| 2.4-2.4835GHz | -                 | -                 |
| BT-BR(1Mbps)  | 1.0695M           | 933k              |
| BT-EDR(2Mbps) | 1.002M            | 997.5k            |
| BT-EDR(3Mbps) | 1.0005M           | 997.5k            |

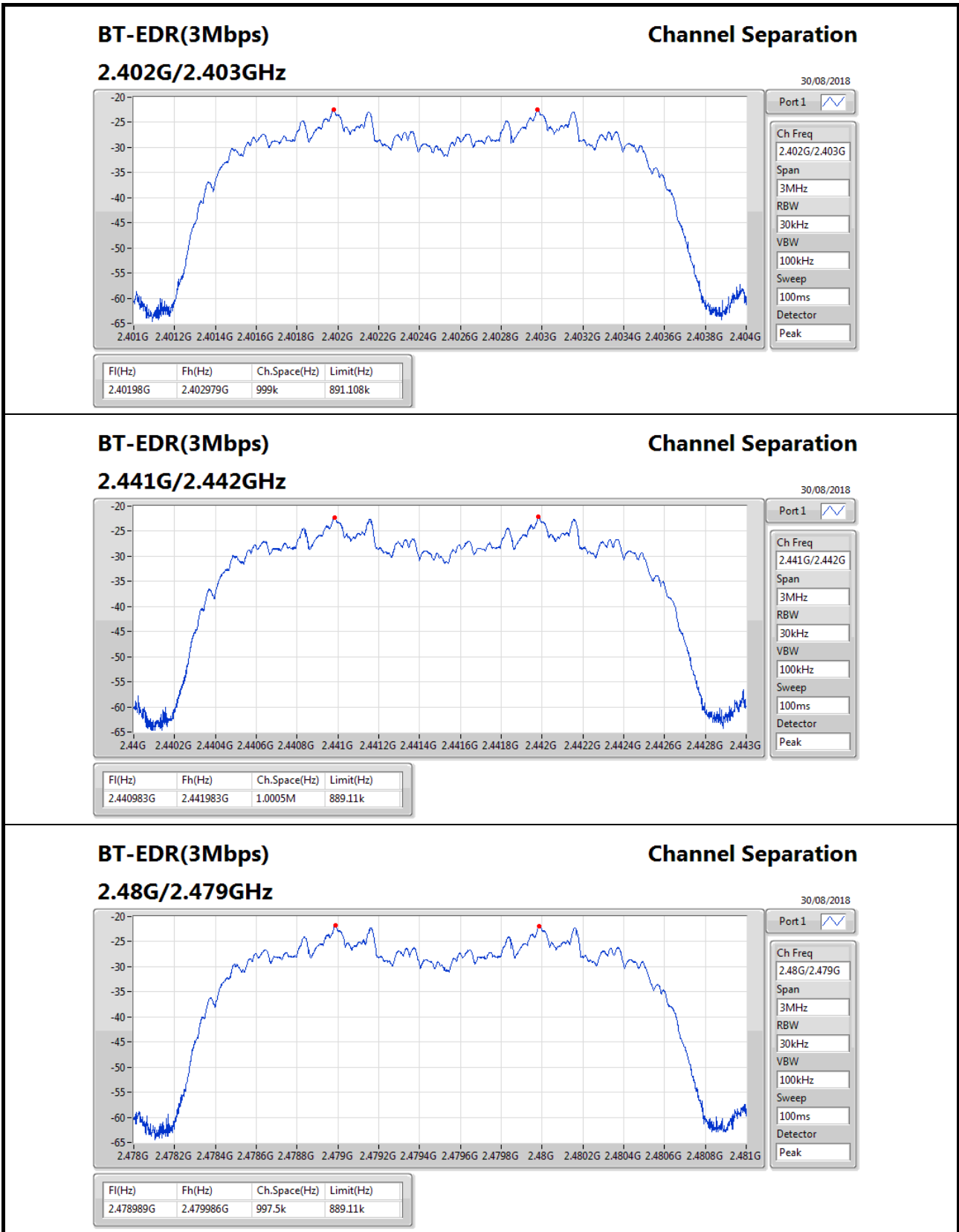
**Result**

| Mode             | Result | Fl<br>(Hz) | Fh<br>(Hz) | Ch.Space<br>(Hz) | Limit<br>(Hz) |
|------------------|--------|------------|------------|------------------|---------------|
| BT-BR(1Mbps)     | -      | -          | -          | -                | -             |
| 2402MHz_TnomVnom | Pass   | 2.402046G  | 2.403046G  | 1.0005M          | 612.72k       |
| 2441MHz_TnomVnom | Pass   | 2.44105G   | 2.441983G  | 933k             | 612.72k       |
| 2480MHz_TnomVnom | Pass   | 2.478987G  | 2.480057G  | 1.0695M          | 610.2225k     |
| BT-EDR(2Mbps)    | -      | -          | -          | -                | -             |
| 2402MHz_TnomVnom | Pass   | 2.401978G  | 2.402979G  | 1.0005M          | 891.774k      |
| 2441MHz_TnomVnom | Pass   | 2.440986G  | 2.441983G  | 997.5k           | 895.77k       |
| 2480MHz_TnomVnom | Pass   | 2.478989G  | 2.479991G  | 1.002M           | 892.44k       |
| BT-EDR(3Mbps)    | -      | -          | -          | -                | -             |
| 2402MHz_TnomVnom | Pass   | 2.40198G   | 2.402979G  | 999k             | 891.108k      |
| 2441MHz_TnomVnom | Pass   | 2.440983G  | 2.441983G  | 1.0005M          | 889.11k       |
| 2480MHz_TnomVnom | Pass   | 2.478989G  | 2.479986G  | 997.5k           | 889.11k       |











**Summary**

| Mode          | Power (dBm) | Power (W) |
|---------------|-------------|-----------|
| 2.4-2.4835GHz | -           | -         |
| BT-BR(1Mbps)  | 6.03        | 0.00401   |
| BT-EDR(2Mbps) | 2.69        | 0.00186   |
| BT-EDR(3Mbps) | 2.82        | 0.00191   |

**Result**

| Mode             | Result | Gain (dBi) | Power (dBm) | Power Limit (dBm) |
|------------------|--------|------------|-------------|-------------------|
| BT-BR(1Mbps)     | -      | -          | -           | -                 |
| 2402MHz_TnomVnom | Pass   | 0.94       | 5.05        | 21.00             |
| 2441MHz_TnomVnom | Pass   | 0.94       | 5.33        | 21.00             |
| 2480MHz_TnomVnom | Pass   | 0.94       | 6.03        | 21.00             |
| BT-EDR(2Mbps)    | -      | -          | -           | -                 |
| 2402MHz_TnomVnom | Pass   | 0.94       | 2.41        | 21.00             |
| 2441MHz_TnomVnom | Pass   | 0.94       | 2.49        | 21.00             |
| 2480MHz_TnomVnom | Pass   | 0.94       | 2.69        | 21.00             |
| BT-EDR(3Mbps)    | -      | -          | -           | -                 |
| 2402MHz_TnomVnom | Pass   | 0.94       | 2.33        | 21.00             |
| 2441MHz_TnomVnom | Pass   | 0.94       | 2.58        | 21.00             |
| 2480MHz_TnomVnom | Pass   | 0.94       | 2.82        | 21.00             |



**Summary**

| Mode          | Power<br>(dBm) | Power<br>(W) |
|---------------|----------------|--------------|
| 2.4-2.4835GHz | -              | -            |
| BT-BR(1Mbps)  | 5.31           | 0.00340      |
| BT-EDR(2Mbps) | -1.90          | 0.00065      |
| BT-EDR(3Mbps) | -1.82          | 0.00066      |

**Result**

| Mode             | Result | Gain<br>(dBi) | Power<br>(dBm) | Power Limit<br>(dBm) |
|------------------|--------|---------------|----------------|----------------------|
| BT-BR(1Mbps)     | -      | -             | -              | -                    |
| 2402MHz_TnomVnom | Pass   | 0.94          | 3.80           | 21.00                |
| 2441MHz_TnomVnom | Pass   | 0.94          | 4.45           | 21.00                |
| 2480MHz_TnomVnom | Pass   | 0.94          | 5.31           | 21.00                |
| BT-EDR(2Mbps)    | -      | -             | -              | -                    |
| 2402MHz_TnomVnom | Pass   | 0.94          | -2.89          | 21.00                |
| 2441MHz_TnomVnom | Pass   | 0.94          | -2.28          | 21.00                |
| 2480MHz_TnomVnom | Pass   | 0.94          | -1.90          | 21.00                |
| BT-EDR(3Mbps)    | -      | -             | -              | -                    |
| 2402MHz_TnomVnom | Pass   | 0.94          | -2.71          | 21.00                |
| 2441MHz_TnomVnom | Pass   | 0.94          | -2.41          | 21.00                |
| 2480MHz_TnomVnom | Pass   | 0.94          | -1.82          | 21.00                |

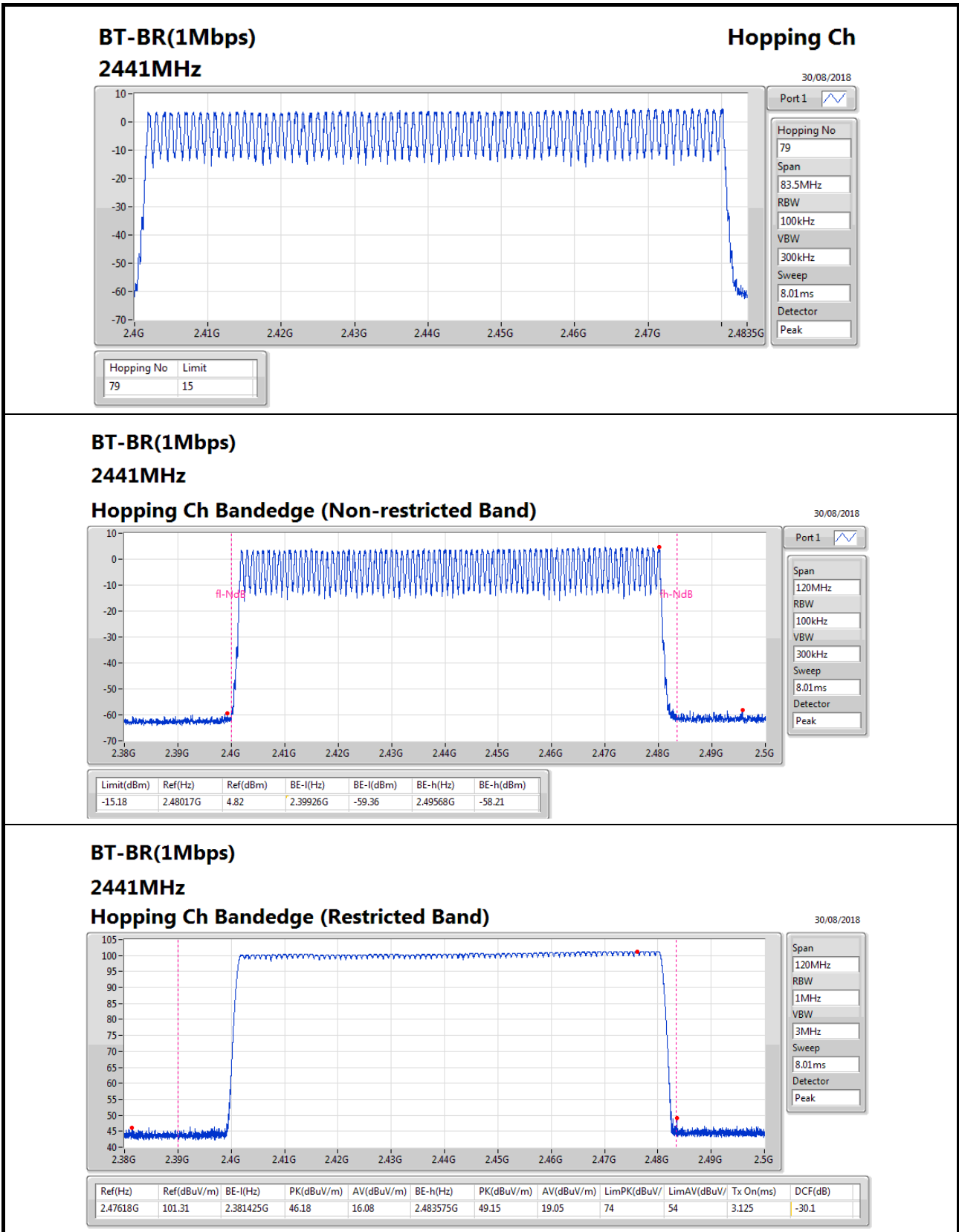


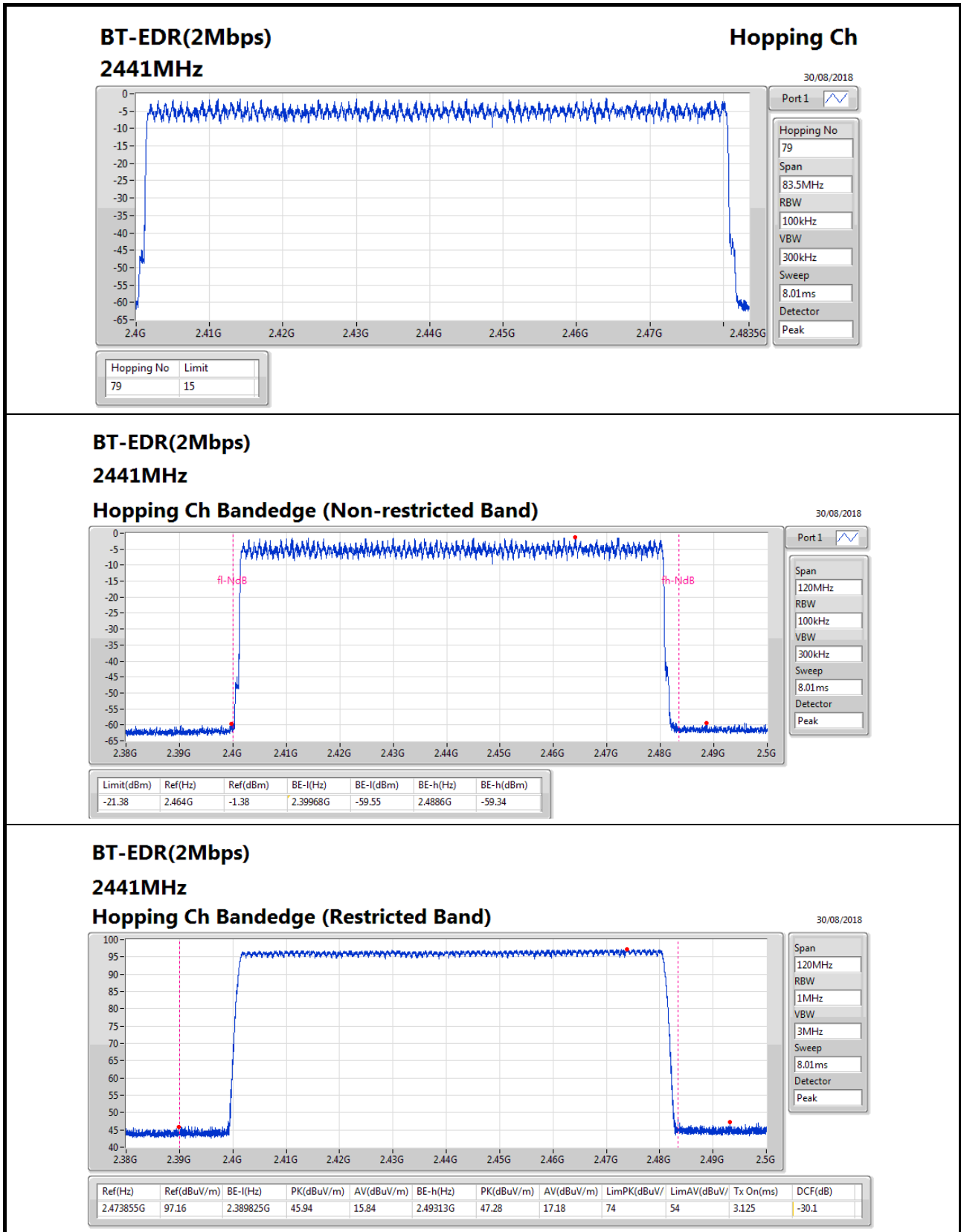
**Summary**

| Mode          | Max-Hop No |
|---------------|------------|
| 2.4-2.4835GHz | -          |
| BT-BR(1Mbps)  | 79         |
| BT-EDR(2Mbps) | 79         |
| BT-EDR(3Mbps) | 79         |

**Result**

| Mode             | Result | Hopping No | Limit |
|------------------|--------|------------|-------|
| BT-BR(1Mbps)     | -      | -          | -     |
| 2441MHz_TnomVnom | Pass   | 79         | 15    |
| BT-EDR(2Mbps)    | -      | -          | -     |
| 2441MHz_TnomVnom | Pass   | 79         | 15    |
| BT-EDR(3Mbps)    | -      | -          | -     |
| 2441MHz_TnomVnom | Pass   | 79         | 15    |





### BT-EDR(2Mbps)

#### 2441MHz

#### Hopping Ch Bandedge (Restricted Band)

30/08/2018

Span: 120MHz

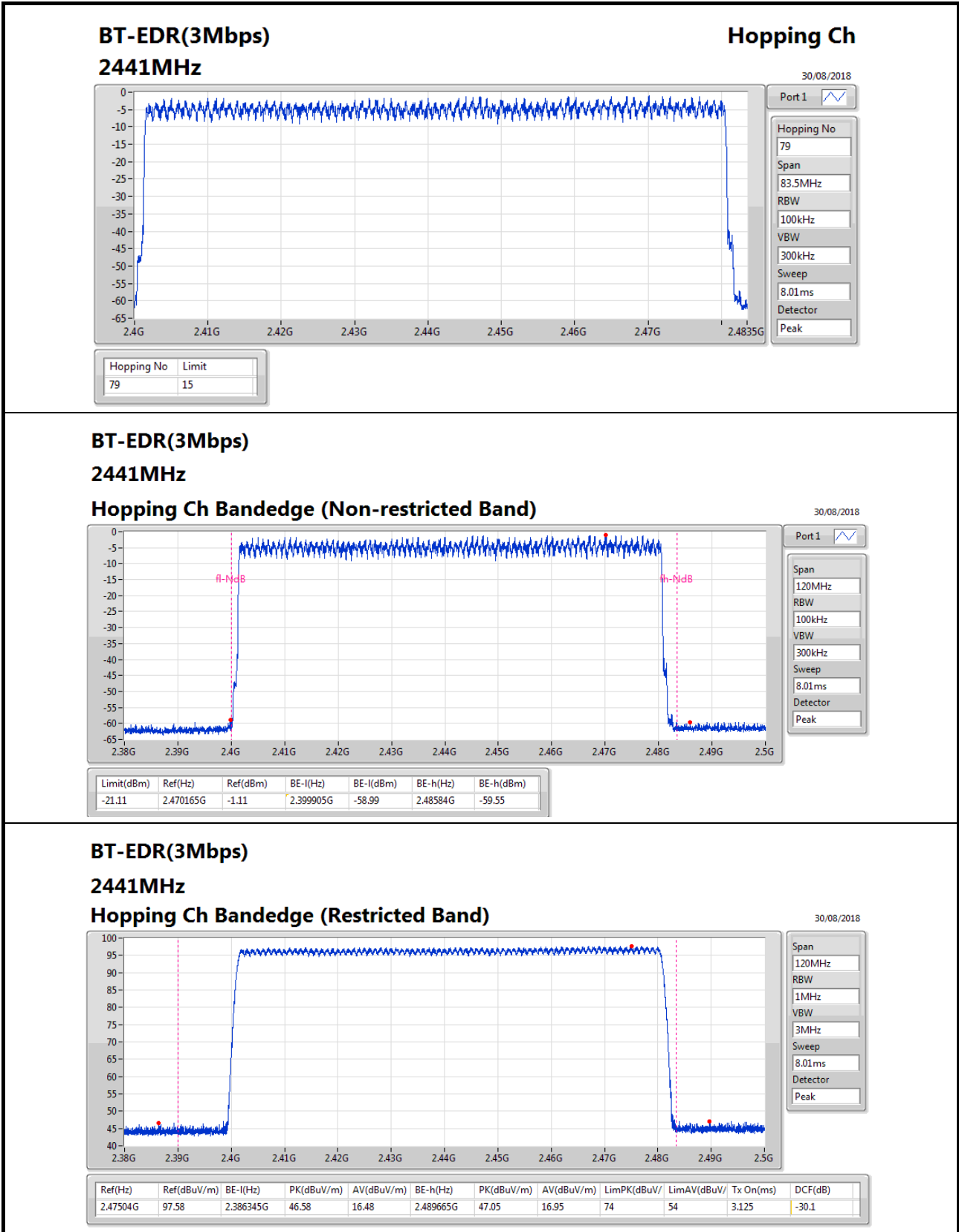
RBW: 1MHz

VBW: 3MHz

Sweep: 8.01ms

Detector: Peak





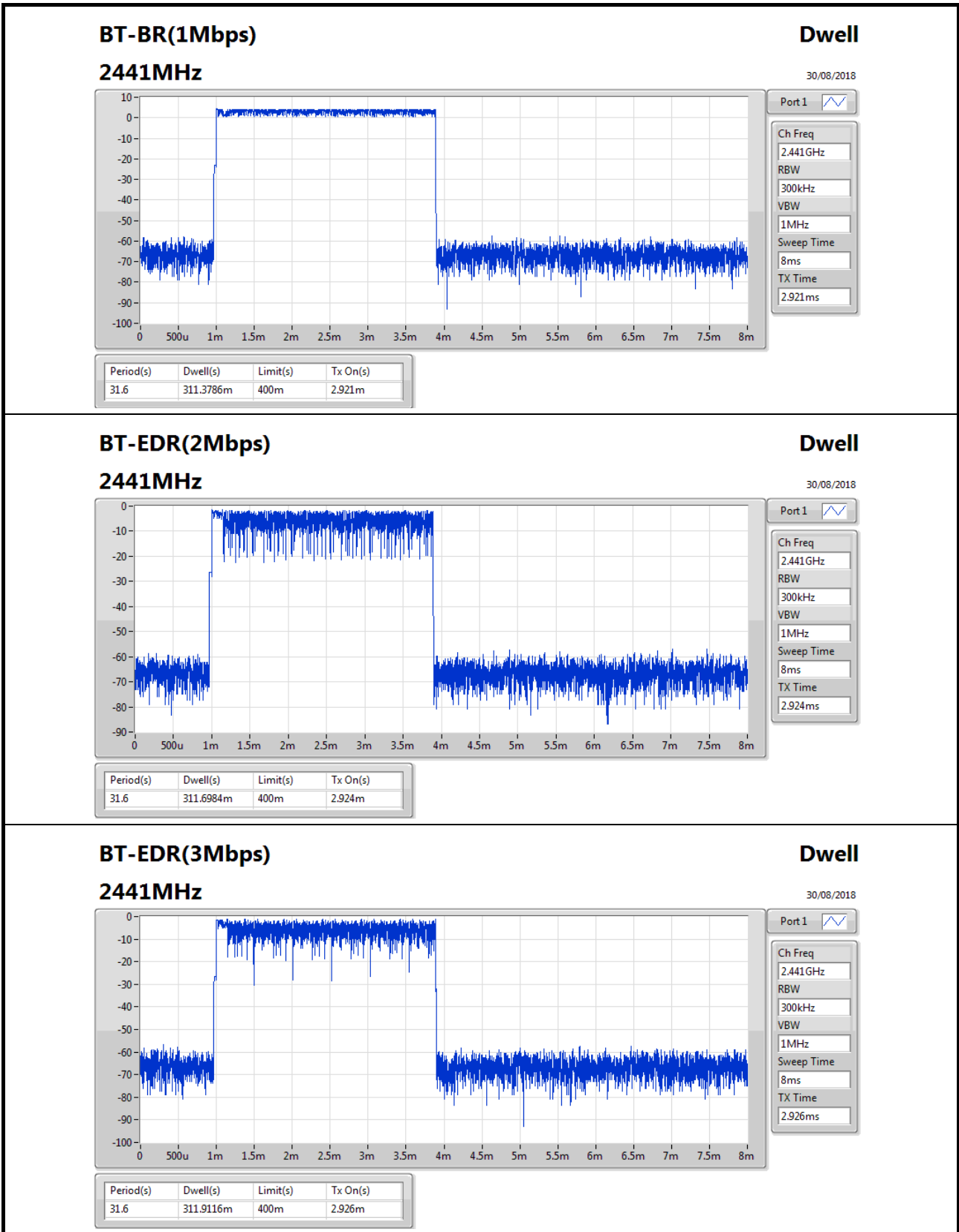


**Summary**

| Mode          | Max-Dwell (s) |
|---------------|---------------|
| 2.4-2.4835GHz | -             |
| BT-BR(1Mbps)  | 311.3786m     |
| BT-EDR(2Mbps) | 311.6984m     |
| BT-EDR(3Mbps) | 311.9116m     |

**Result**

| Mode             | Result | Period (s) | Dwell (s) | Limit (s) | Tx On (s) |
|------------------|--------|------------|-----------|-----------|-----------|
| BT-BR(1Mbps)     | -      | -          | -         | -         | -         |
| 2441MHz_TnomVnom | Pass   | 31.6       | 311.3786m | 400m      | 2.921m    |
| BT-EDR(2Mbps)    | -      | -          | -         | -         | -         |
| 2441MHz_TnomVnom | Pass   | 31.6       | 311.6984m | 400m      | 2.924m    |
| BT-EDR(3Mbps)    | -      | -          | -         | -         | -         |
| 2441MHz_TnomVnom | Pass   | 31.6       | 311.9116m | 400m      | 2.926m    |



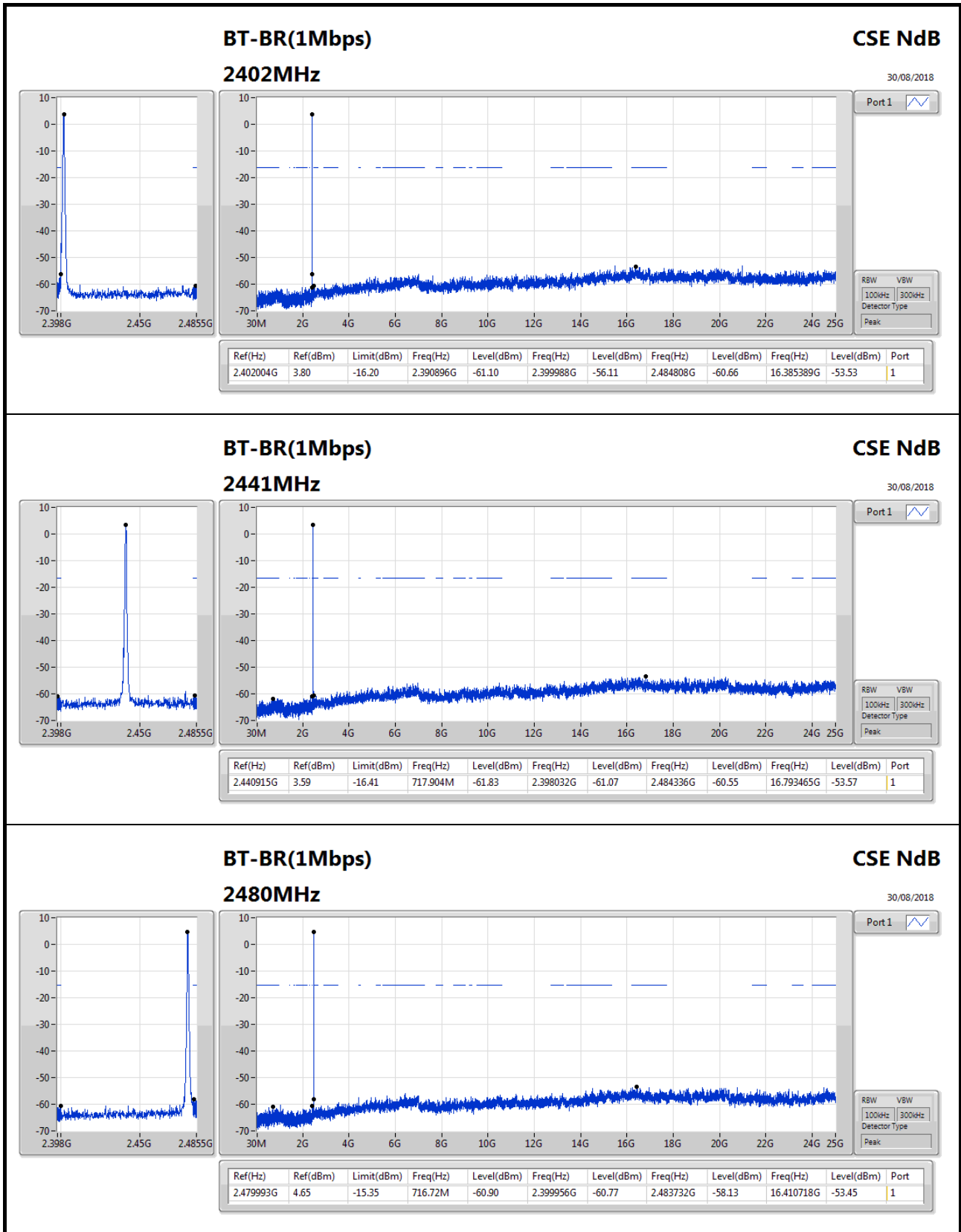


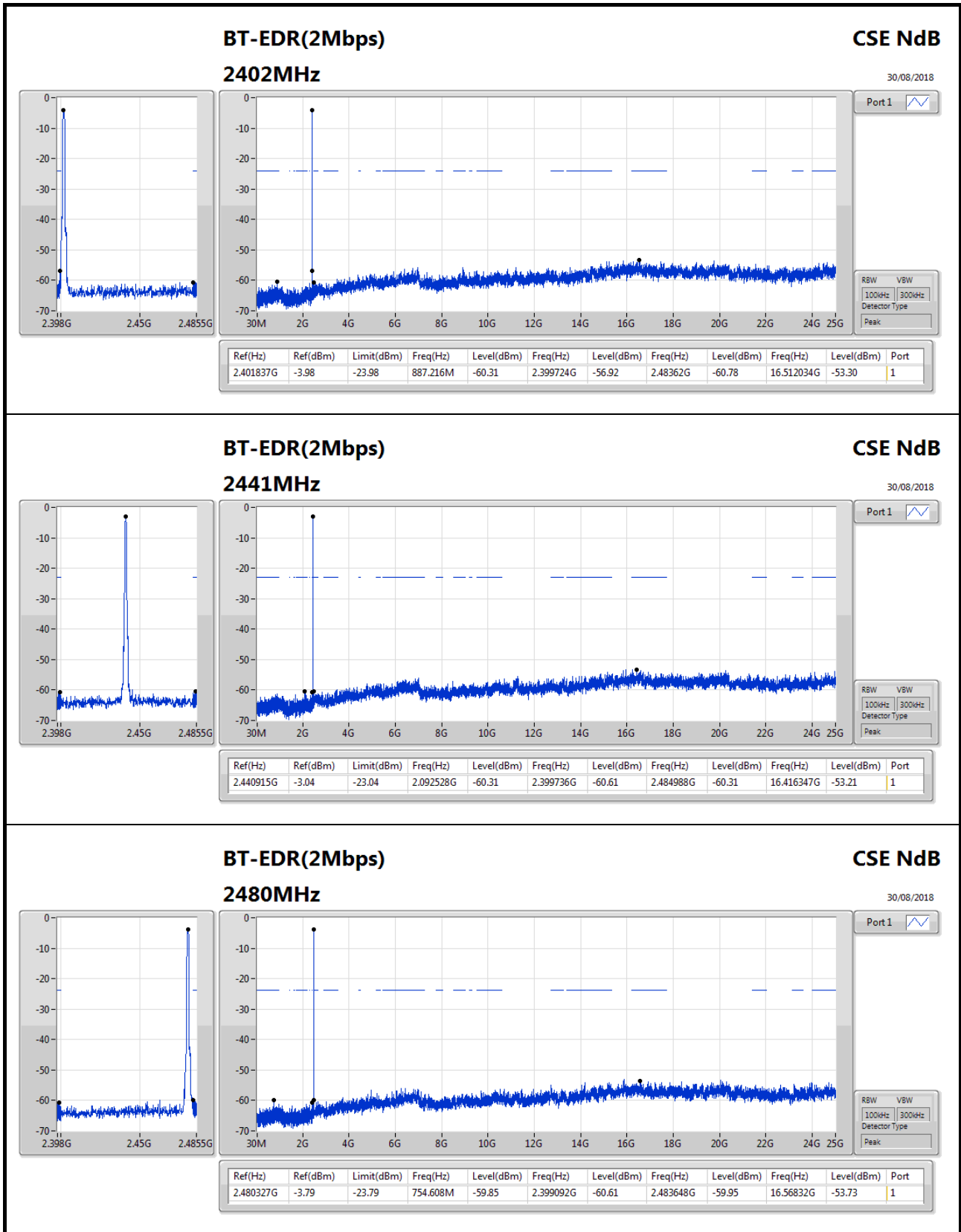
**Summary**

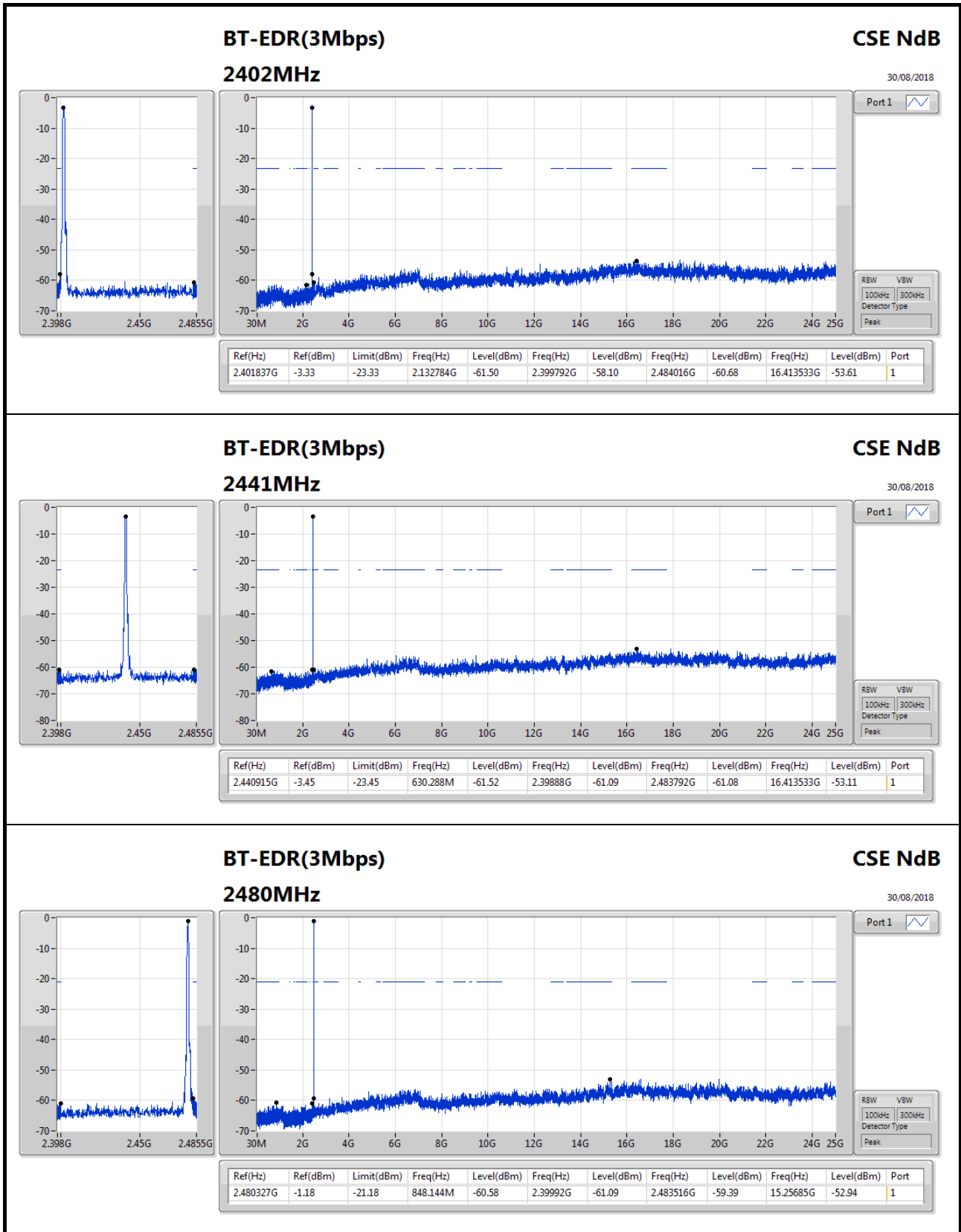
| Mode          | Result | Ref (Hz)  | Ref (dBm) | Limit (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz)  | Level (dBm) | Port |
|---------------|--------|-----------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|------------|-------------|------|
| 2.4-2.4835GHz | -      | -         | -         | -           | -         | -           | -         | -           | -         | -           | -          | -           | -    |
| BT-BR(1Mbps)  | Pass   | 2.440915G | 3.59      | -16.41      | 717.904M  | -61.83      | 2.398032G | -61.07      | 2.484336G | -60.55      | 16.793465G | -53.57      | 1    |
| BT-EDR(2Mbps) | Pass   | 2.401837G | -3.98     | -23.98      | 887.216M  | -60.31      | 2.399724G | -56.92      | 2.48362G  | -60.78      | 16.512034G | -53.30      | 1    |
| BT-EDR(3Mbps) | Pass   | 2.440915G | -3.45     | -23.45      | 630.288M  | -61.52      | 2.39888G  | -61.09      | 2.483792G | -61.08      | 16.413533G | -53.11      | 1    |

**Result**

| Mode             | Result | Ref (Hz)  | Ref (dBm) | Limit (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz) | Level (dBm) | Freq (Hz)  | Level (dBm) | Port |
|------------------|--------|-----------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|------------|-------------|------|
| BT-BR(1Mbps)     | -      | -         | -         | -           | -         | -           | -         | -           | -         | -           | -          | -           | -    |
| 2402MHz_TnomVnom | Pass   | 2.402004G | 3.80      | -16.20      | 2.390896G | -61.10      | 2.399988G | -56.11      | 2.484808G | -60.66      | 16.385389G | -53.53      | 1    |
| 2441MHz_TnomVnom | Pass   | 2.440915G | 3.59      | -16.41      | 717.904M  | -61.83      | 2.398032G | -61.07      | 2.484336G | -60.55      | 16.793465G | -53.57      | 1    |
| 2480MHz_TnomVnom | Pass   | 2.479993G | 4.65      | -15.35      | 716.72M   | -60.90      | 2.399956G | -60.77      | 2.483732G | -58.13      | 16.410718G | -53.45      | 1    |
| BT-EDR(2Mbps)    | -      | -         | -         | -           | -         | -           | -         | -           | -         | -           | -          | -           | -    |
| 2402MHz_TnomVnom | Pass   | 2.401837G | -3.98     | -23.98      | 887.216M  | -60.31      | 2.399724G | -56.92      | 2.48362G  | -60.78      | 16.512034G | -53.30      | 1    |
| 2441MHz_TnomVnom | Pass   | 2.440915G | -3.04     | -23.04      | 2.092528G | -60.31      | 2.399736G | -60.61      | 2.484988G | -60.31      | 16.416347G | -53.21      | 1    |
| 2480MHz_TnomVnom | Pass   | 2.480327G | -3.79     | -23.79      | 754.608M  | -59.85      | 2.399092G | -60.61      | 2.483648G | -59.95      | 16.56832G  | -53.73      | 1    |
| BT-EDR(3Mbps)    | -      | -         | -         | -           | -         | -           | -         | -           | -         | -           | -          | -           | -    |
| 2402MHz_TnomVnom | Pass   | 2.401837G | -3.33     | -23.33      | 2.132784G | -61.50      | 2.399792G | -58.10      | 2.484016G | -60.68      | 16.413533G | -53.61      | 1    |
| 2441MHz_TnomVnom | Pass   | 2.440915G | -3.45     | -23.45      | 630.288M  | -61.52      | 2.39888G  | -61.09      | 2.483792G | -61.08      | 16.413533G | -53.11      | 1    |
| 2480MHz_TnomVnom | Pass   | 2.480327G | -1.18     | -21.18      | 848.144M  | -60.58      | 2.39992G  | -61.09      | 2.483516G | -59.39      | 15.25685G  | -52.94      | 1    |









Summary

| Mode          | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|---------------|--------|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| 2.4-2.4835GHz | -      | -    | -         | -              | -              | -           | -           | -        | -          | -           | -          | -        |
| BT-BR(1Mbps)  | Pass   | PK   | 134.76M   | 35.91          | 43.50          | -7.59       | -19.21      | 3        | Horizontal | 360         | 1.00       | -        |





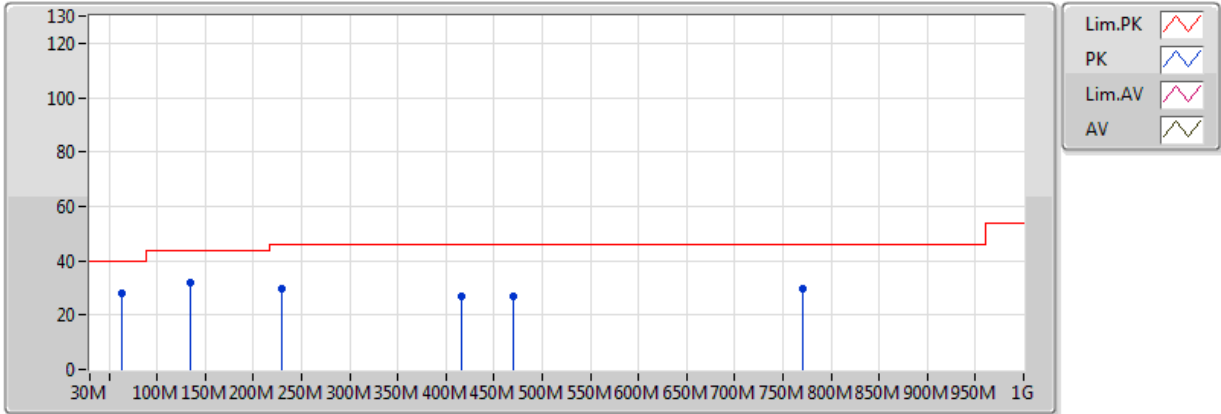
**Result**

| Mode         | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|--------------|--------|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| BT-BR(1Mbps) | -      | -    | -         | -              | -              | -           | -           | -        | -          | -           | -          | -        |
| 2441MHz      | Pass   | PK   | 62.98M    | 28.05          | 40.00          | -11.95      | -25.58      | 3        | Vertical   | 0           | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 134.76M   | 31.79          | 43.50          | -11.71      | -19.21      | 3        | Vertical   | 0           | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 229.82M   | 29.95          | 46.00          | -16.05      | -19.80      | 3        | Vertical   | 0           | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 416.06M   | 26.95          | 46.00          | -19.05      | -13.38      | 3        | Vertical   | 0           | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 470.38M   | 27.04          | 46.00          | -18.96      | -12.53      | 3        | Vertical   | 0           | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 771.08M   | 29.45          | 46.00          | -16.55      | -8.18       | 3        | Vertical   | 0           | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 134.76M   | 35.91          | 43.50          | -7.59       | -19.21      | 3        | Horizontal | 360         | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 222.06M   | 35.66          | 46.00          | -10.34      | -20.68      | 3        | Horizontal | 360         | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 258.92M   | 33.90          | 46.00          | -12.10      | -15.81      | 3        | Horizontal | 360         | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 421.88M   | 27.76          | 46.00          | -18.24      | -13.20      | 3        | Horizontal | 360         | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 470.38M   | 26.99          | 46.00          | -19.01      | -12.53      | 3        | Horizontal | 360         | 1.00       | -        |
| 2441MHz      | Pass   | PK   | 953.44M   | 32.21          | 46.00          | -13.79      | -4.71       | 3        | Horizontal | 360         | 1.00       | -        |

### BT-BR(1Mbps)

### 2441MHz\_Adapter

29/08/2018

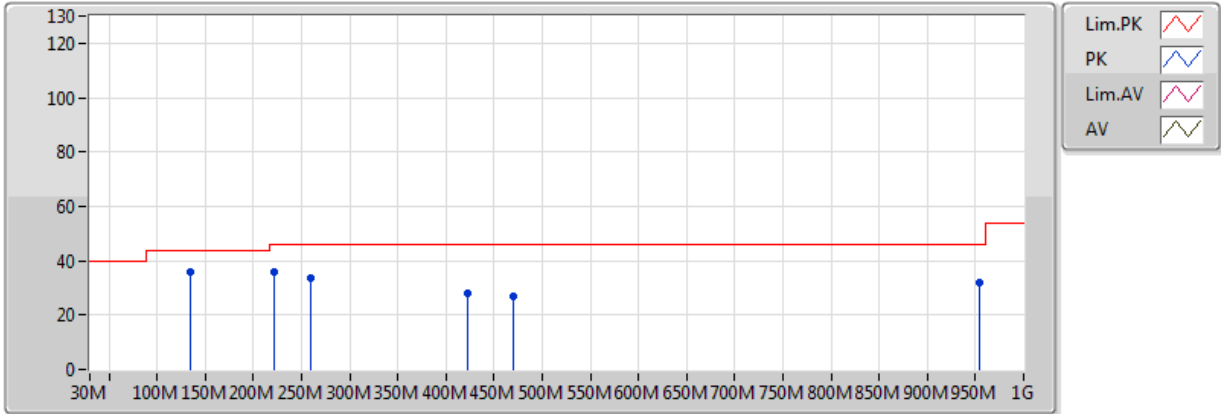


| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|-----------|-------------|------------|----------|
| PK   | 62.98M    | 28.05          | 40.00          | -11.95      | -25.58      | 3        | Vertical  | 0           | 1.00       | -        |
| PK   | 134.76M   | 31.79          | 43.50          | -11.71      | -19.21      | 3        | Vertical  | 0           | 1.00       | -        |
| PK   | 229.82M   | 29.95          | 46.00          | -16.05      | -19.80      | 3        | Vertical  | 0           | 1.00       | -        |
| PK   | 416.06M   | 26.95          | 46.00          | -19.05      | -13.38      | 3        | Vertical  | 0           | 1.00       | -        |
| PK   | 470.38M   | 27.04          | 46.00          | -18.96      | -12.53      | 3        | Vertical  | 0           | 1.00       | -        |
| PK   | 771.08M   | 29.45          | 46.00          | -16.55      | -8.18       | 3        | Vertical  | 0           | 1.00       | -        |

### BT-BR(1Mbps)

### 2441MHz\_Adapter

29/08/2018



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| PK   | 134.76M      | 35.91             | 43.50             | -7.59          | -19.21         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 222.06M      | 35.66             | 46.00             | -10.34         | -20.68         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 258.92M      | 33.90             | 46.00             | -12.10         | -15.81         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 421.88M      | 27.76             | 46.00             | -18.24         | -13.20         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 470.38M      | 26.99             | 46.00             | -19.01         | -12.53         | 3           | Horizontal | 360            | 1.00          | -        |
| PK   | 953.44M      | 32.21             | 46.00             | -13.79         | -4.71          | 3           | Horizontal | 360            | 1.00          | -        |



Summary

| Mode          | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|---------------|--------|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| 2.4-2.4835GHz | -      | -    | -         | -              | -              | -           | -           | -        | -          | -           | -          | -        |
| BT-BR(1Mbps)  | Pass   | AV   | 2.483502G | 45.55          | 54.00          | -8.45       | 31.11       | 3        | Horizontal | 129         | 2.27       | -        |
| BT-EDR(2Mbps) | Pass   | AV   | 2.483502G | 45.44          | 54.00          | -8.56       | 31.11       | 3        | Horizontal | 129         | 2.27       | -        |
| BT-EDR(3Mbps) | Pass   | AV   | 2.4994G   | 45.44          | 54.00          | -8.56       | 31.17       | 3        | Horizontal | 126         | 2.27       | -        |



Result

| Mode          | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|---------------|--------|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| BT-BR(1Mbps)  | -      | -    | -         | -              | -              | -           | -           | -        | -          | -           | -          | -        |
| 2402MHz       | Pass   | AV   | 2.3886G   | 44.60          | 54.00          | -9.40       | 30.77       | 3        | Vertical   | 129         | 2.13       | -        |
| 2402MHz       | Pass   | AV   | 2.402G    | 98.75          | Inf            | -Inf        | 30.82       | 3        | Vertical   | 129         | 2.13       | -        |
| 2402MHz       | Pass   | PK   | 2.3796G   | 56.44          | 74.00          | -17.56      | 30.74       | 3        | Vertical   | 129         | 2.13       | -        |
| 2402MHz       | Pass   | PK   | 2.4022G   | 100.09         | Inf            | -Inf        | 30.82       | 3        | Vertical   | 129         | 2.13       | -        |
| 2402MHz       | Pass   | AV   | 2.387G    | 44.61          | 54.00          | -9.39       | 30.76       | 3        | Horizontal | 130         | 1.50       | -        |
| 2402MHz       | Pass   | AV   | 2.402G    | 97.75          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 130         | 1.50       | -        |
| 2402MHz       | Pass   | PK   | 2.3804G   | 56.64          | 74.00          | -17.36      | 30.75       | 3        | Horizontal | 130         | 1.50       | -        |
| 2402MHz       | Pass   | PK   | 2.4022G   | 99.06          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 130         | 1.50       | -        |
| 2402MHz       | Pass   | AV   | 4.80394G  | 29.85          | 54.00          | -24.15      | 2.08        | 3        | Vertical   | 155         | 1.74       | -        |
| 2402MHz       | Pass   | PK   | 4.8064G   | 40.81          | 74.00          | -33.19      | 2.09        | 3        | Vertical   | 155         | 1.74       | -        |
| 2402MHz       | Pass   | AV   | 4.80364G  | 30.05          | 54.00          | -23.95      | 2.08        | 3        | Horizontal | 262         | 1.54       | -        |
| 2402MHz       | Pass   | PK   | 4.80916G  | 41.55          | 74.00          | -32.45      | 2.09        | 3        | Horizontal | 262         | 1.54       | -        |
| 2441MHz       | Pass   | AV   | 2.3882G   | 44.60          | 54.00          | -9.40       | 30.77       | 3        | Vertical   | 285         | 1.94       | -        |
| 2441MHz       | Pass   | AV   | 2.441G    | 95.99          | Inf            | -Inf        | 30.96       | 3        | Vertical   | 285         | 1.94       | -        |
| 2441MHz       | Pass   | AV   | 2.499G    | 45.42          | 54.00          | -8.58       | 31.17       | 3        | Vertical   | 285         | 1.94       | -        |
| 2441MHz       | Pass   | PK   | 2.3586G   | 55.84          | 74.00          | -18.16      | 30.66       | 3        | Vertical   | 285         | 1.94       | -        |
| 2441MHz       | Pass   | PK   | 2.441G    | 97.33          | Inf            | -Inf        | 30.96       | 3        | Vertical   | 285         | 1.94       | -        |
| 2441MHz       | Pass   | PK   | 2.497G    | 55.92          | 74.00          | -18.08      | 31.16       | 3        | Vertical   | 285         | 1.94       | -        |
| 2441MHz       | Pass   | AV   | 2.3882G   | 44.60          | 54.00          | -9.40       | 30.77       | 3        | Horizontal | 130         | 2.11       | -        |
| 2441MHz       | Pass   | AV   | 2.441G    | 100.63         | Inf            | -Inf        | 30.96       | 3        | Horizontal | 130         | 2.11       | -        |
| 2441MHz       | Pass   | AV   | 2.4966G   | 45.41          | 54.00          | -8.59       | 31.16       | 3        | Horizontal | 130         | 2.11       | -        |
| 2441MHz       | Pass   | PK   | 2.3626G   | 55.66          | 74.00          | -18.34      | 30.68       | 3        | Horizontal | 130         | 2.11       | -        |
| 2441MHz       | Pass   | PK   | 2.441G    | 101.92         | Inf            | -Inf        | 30.96       | 3        | Horizontal | 130         | 2.11       | -        |
| 2441MHz       | Pass   | PK   | 2.487G    | 56.77          | 74.00          | -17.23      | 31.12       | 3        | Horizontal | 130         | 2.11       | -        |
| 2441MHz       | Pass   | AV   | 4.88262G  | 30.62          | 54.00          | -23.38      | 2.30        | 3        | Vertical   | 155         | 1.66       | -        |
| 2441MHz       | Pass   | PK   | 4.89196G  | 41.92          | 74.00          | -32.08      | 2.30        | 3        | Vertical   | 155         | 1.66       | -        |
| 2441MHz       | Pass   | AV   | 4.8934G   | 30.83          | 54.00          | -23.17      | 2.30        | 3        | Horizontal | 318         | 1.51       | -        |
| 2441MHz       | Pass   | PK   | 4.8937G   | 41.95          | 74.00          | -32.05      | 2.30        | 3        | Horizontal | 318         | 1.51       | -        |
| 2480MHz       | Pass   | AV   | 2.48G     | 93.55          | Inf            | -Inf        | 31.10       | 3        | Vertical   | 350         | 1.01       | -        |
| 2480MHz       | Pass   | AV   | 2.499998G | 45.43          | 54.00          | -8.57       | 31.17       | 3        | Vertical   | 350         | 1.01       | -        |
| 2480MHz       | Pass   | PK   | 2.4798G   | 94.88          | Inf            | -Inf        | 31.10       | 3        | Vertical   | 350         | 1.01       | -        |
| 2480MHz       | Pass   | PK   | 2.4968G   | 56.94          | 74.00          | -17.06      | 31.16       | 3        | Vertical   | 350         | 1.01       | -        |
| 2480MHz       | Pass   | AV   | 2.48G     | 99.80          | Inf            | -Inf        | 31.10       | 3        | Horizontal | 129         | 2.27       | -        |
| 2480MHz       | Pass   | AV   | 2.483502G | 45.55          | 54.00          | -8.45       | 31.11       | 3        | Horizontal | 129         | 2.27       | -        |
| 2480MHz       | Pass   | PK   | 2.4798G   | 101.12         | Inf            | -Inf        | 31.10       | 3        | Horizontal | 129         | 2.27       | -        |
| 2480MHz       | Pass   | PK   | 2.4852G   | 56.58          | 74.00          | -17.42      | 31.12       | 3        | Horizontal | 129         | 2.27       | -        |
| 2480MHz       | Pass   | AV   | 4.97332G  | 30.86          | 54.00          | -23.14      | 2.50        | 3        | Vertical   | 328         | 1.48       | -        |
| 2480MHz       | Pass   | PK   | 4.96858G  | 42.19          | 74.00          | -31.81      | 2.49        | 3        | Vertical   | 328         | 1.48       | -        |
| 2480MHz       | Pass   | AV   | 4.97404G  | 30.95          | 54.00          | -23.05      | 2.51        | 3        | Horizontal | 324         | 1.68       | -        |
| 2480MHz       | Pass   | PK   | 4.95826G  | 42.64          | 74.00          | -31.36      | 2.47        | 3        | Horizontal | 324         | 1.68       | -        |
| BT-EDR(2Mbps) | -      | -    | -         | -              | -              | -           | -           | -        | -          | -           | -          | -        |
| 2402MHz       | Pass   | AV   | 2.3896G   | 44.60          | 54.00          | -9.40       | 30.77       | 3        | Vertical   | 283         | 2.24       | -        |
| 2402MHz       | Pass   | AV   | 2.402G    | 89.00          | Inf            | -Inf        | 30.82       | 3        | Vertical   | 283         | 2.24       | -        |
| 2402MHz       | Pass   | PK   | 2.385G    | 56.67          | 74.00          | -17.33      | 30.76       | 3        | Vertical   | 283         | 2.24       | -        |
| 2402MHz       | Pass   | PK   | 2.4022G   | 92.82          | Inf            | -Inf        | 30.82       | 3        | Vertical   | 283         | 2.24       | -        |
| 2402MHz       | Pass   | AV   | 2.3884G   | 44.59          | 54.00          | -9.41       | 30.77       | 3        | Horizontal | 129         | 2.12       | -        |
| 2402MHz       | Pass   | AV   | 2.402G    | 91.72          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 129         | 2.12       | -        |



RSE TX above 1GHz Result

Appendix G.2

| Mode          | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|---------------|--------|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| 2402MHz       | Pass   | PK   | 2.377G    | 55.77          | 74.00          | -18.23      | 30.73       | 3        | Horizontal | 129         | 2.12       | -        |
| 2402MHz       | Pass   | PK   | 2.402G    | 95.55          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 129         | 2.12       | -        |
| 2441MHz       | Pass   | AV   | 2.3886G   | 44.62          | 54.00          | -9.38       | 30.77       | 3        | Vertical   | 284         | 2.72       | -        |
| 2441MHz       | Pass   | AV   | 2.441G    | 90.02          | Inf            | -Inf        | 30.96       | 3        | Vertical   | 284         | 2.72       | -        |
| 2441MHz       | Pass   | AV   | 2.493G    | 45.39          | 54.00          | -8.61       | 31.14       | 3        | Vertical   | 284         | 2.72       | -        |
| 2441MHz       | Pass   | PK   | 2.3702G   | 55.82          | 74.00          | -18.18      | 30.71       | 3        | Vertical   | 284         | 2.72       | -        |
| 2441MHz       | Pass   | PK   | 2.441G    | 93.84          | Inf            | -Inf        | 30.96       | 3        | Vertical   | 284         | 2.72       | -        |
| 2441MHz       | Pass   | PK   | 2.4942G   | 56.32          | 74.00          | -17.68      | 31.15       | 3        | Vertical   | 284         | 2.72       | -        |
| 2441MHz       | Pass   | AV   | 2.3886G   | 44.59          | 54.00          | -9.41       | 30.77       | 3        | Horizontal | 131         | 2.10       | -        |
| 2441MHz       | Pass   | AV   | 2.441G    | 93.29          | Inf            | -Inf        | 30.96       | 3        | Horizontal | 131         | 2.10       | -        |
| 2441MHz       | Pass   | AV   | 2.4938G   | 45.39          | 54.00          | -8.61       | 31.15       | 3        | Horizontal | 131         | 2.10       | -        |
| 2441MHz       | Pass   | PK   | 2.3458G   | 56.27          | 74.00          | -17.73      | 30.62       | 3        | Horizontal | 131         | 2.10       | -        |
| 2441MHz       | Pass   | PK   | 2.441G    | 97.12          | Inf            | -Inf        | 30.96       | 3        | Horizontal | 131         | 2.10       | -        |
| 2441MHz       | Pass   | PK   | 2.4958G   | 56.12          | 74.00          | -17.88      | 31.16       | 3        | Horizontal | 131         | 2.10       | -        |
| 2480MHz       | Pass   | AV   | 2.48G     | 87.19          | Inf            | -Inf        | 31.10       | 3        | Vertical   | 358         | 1.01       | -        |
| 2480MHz       | Pass   | AV   | 2.499G    | 45.40          | 54.00          | -8.60       | 31.17       | 3        | Vertical   | 358         | 1.01       | -        |
| 2480MHz       | Pass   | PK   | 2.4802G   | 91.06          | Inf            | -Inf        | 31.10       | 3        | Vertical   | 358         | 1.01       | -        |
| 2480MHz       | Pass   | PK   | 2.4876G   | 56.57          | 74.00          | -17.43      | 31.13       | 3        | Vertical   | 358         | 1.01       | -        |
| 2480MHz       | Pass   | AV   | 2.48G     | 93.11          | Inf            | -Inf        | 31.10       | 3        | Horizontal | 129         | 2.27       | -        |
| 2480MHz       | Pass   | AV   | 2.483502G | 45.44          | 54.00          | -8.56       | 31.11       | 3        | Horizontal | 129         | 2.27       | -        |
| 2480MHz       | Pass   | PK   | 2.4802G   | 96.94          | Inf            | -Inf        | 31.10       | 3        | Horizontal | 129         | 2.27       | -        |
| 2480MHz       | Pass   | PK   | 2.4838G   | 56.74          | 74.00          | -17.26      | 31.11       | 3        | Horizontal | 129         | 2.27       | -        |
| BT-EDR(3Mbps) | -      | -    | -         | -              | -              | -           | -           | -        | -          | -           | -          | -        |
| 2402MHz       | Pass   | AV   | 2.3888G   | 44.62          | 54.00          | -9.38       | 30.77       | 3        | Vertical   | 287         | 2.24       | -        |
| 2402MHz       | Pass   | AV   | 2.402G    | 88.61          | Inf            | -Inf        | 30.82       | 3        | Vertical   | 287         | 2.24       | -        |
| 2402MHz       | Pass   | PK   | 2.381G    | 56.09          | 74.00          | -17.91      | 30.75       | 3        | Vertical   | 287         | 2.24       | -        |
| 2402MHz       | Pass   | PK   | 2.402G    | 92.62          | Inf            | -Inf        | 30.82       | 3        | Vertical   | 287         | 2.24       | -        |
| 2402MHz       | Pass   | AV   | 2.3898G   | 44.63          | 54.00          | -9.37       | 30.77       | 3        | Horizontal | 130         | 2.13       | -        |
| 2402MHz       | Pass   | AV   | 2.402G    | 91.50          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 130         | 2.13       | -        |
| 2402MHz       | Pass   | PK   | 2.3602G   | 56.39          | 74.00          | -17.61      | 30.67       | 3        | Horizontal | 130         | 2.13       | -        |
| 2402MHz       | Pass   | PK   | 2.402G    | 95.55          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 130         | 2.13       | -        |
| 2441MHz       | Pass   | AV   | 2.389G    | 44.60          | 54.00          | -9.40       | 30.77       | 3        | Vertical   | 281         | 2.71       | -        |
| 2441MHz       | Pass   | AV   | 2.441G    | 89.95          | Inf            | -Inf        | 30.96       | 3        | Vertical   | 281         | 2.71       | -        |
| 2441MHz       | Pass   | AV   | 2.4982G   | 45.43          | 54.00          | -8.57       | 31.16       | 3        | Vertical   | 281         | 2.71       | -        |
| 2441MHz       | Pass   | PK   | 2.3638G   | 55.79          | 74.00          | -18.21      | 30.68       | 3        | Vertical   | 281         | 2.71       | -        |
| 2441MHz       | Pass   | PK   | 2.441G    | 93.98          | Inf            | -Inf        | 30.96       | 3        | Vertical   | 281         | 2.71       | -        |
| 2441MHz       | Pass   | PK   | 2.483502G | 55.69          | 74.00          | -18.31      | 31.11       | 3        | Vertical   | 281         | 2.71       | -        |
| 2441MHz       | Pass   | AV   | 2.3858G   | 44.61          | 54.00          | -9.39       | 30.76       | 3        | Horizontal | 128         | 2.34       | -        |
| 2441MHz       | Pass   | AV   | 2.441G    | 93.55          | Inf            | -Inf        | 30.96       | 3        | Horizontal | 128         | 2.34       | -        |
| 2441MHz       | Pass   | AV   | 2.497G    | 45.41          | 54.00          | -8.59       | 31.16       | 3        | Horizontal | 128         | 2.34       | -        |
| 2441MHz       | Pass   | PK   | 2.3458G   | 55.78          | 74.00          | -18.22      | 30.62       | 3        | Horizontal | 128         | 2.34       | -        |
| 2441MHz       | Pass   | PK   | 2.441G    | 97.58          | Inf            | -Inf        | 30.96       | 3        | Horizontal | 128         | 2.34       | -        |
| 2441MHz       | Pass   | PK   | 2.4942G   | 56.16          | 74.00          | -17.84      | 31.15       | 3        | Horizontal | 128         | 2.34       | -        |
| 2480MHz       | Pass   | AV   | 2.48G     | 87.08          | Inf            | -Inf        | 31.10       | 3        | Vertical   | 355         | 1.01       | -        |
| 2480MHz       | Pass   | AV   | 2.4924G   | 45.43          | 54.00          | -8.57       | 31.14       | 3        | Vertical   | 355         | 1.01       | -        |
| 2480MHz       | Pass   | PK   | 2.48G     | 91.16          | Inf            | -Inf        | 31.10       | 3        | Vertical   | 355         | 1.01       | -        |
| 2480MHz       | Pass   | PK   | 2.4986G   | 56.84          | 74.00          | -17.16      | 31.17       | 3        | Vertical   | 355         | 1.01       | -        |
| 2480MHz       | Pass   | AV   | 2.48G     | 93.03          | Inf            | -Inf        | 31.10       | 3        | Horizontal | 126         | 2.27       | -        |
| 2480MHz       | Pass   | AV   | 2.4994G   | 45.44          | 54.00          | -8.56       | 31.17       | 3        | Horizontal | 126         | 2.27       | -        |



## RSE TX above 1GHz Result

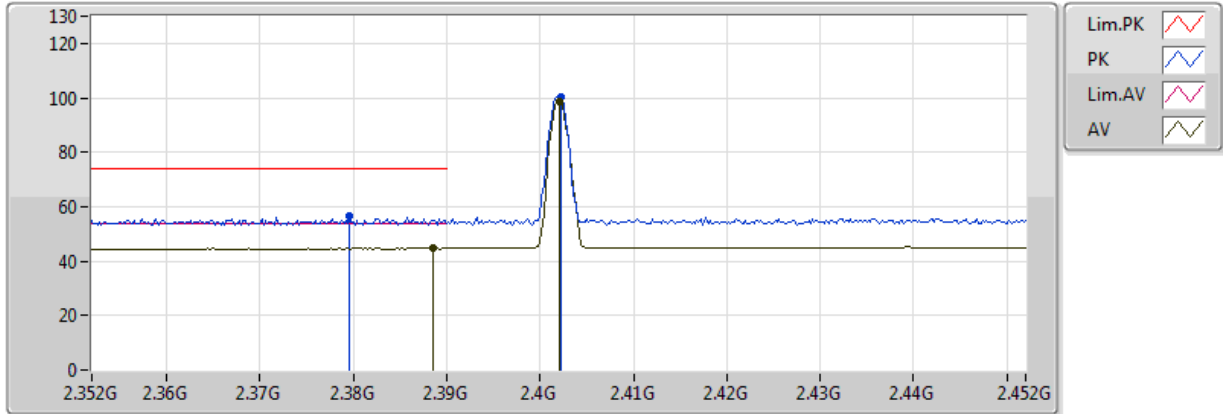
## Appendix G.2

| Mode    | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|---------|--------|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| 2480MHz | Pass   | PK   | 2.48G     | 97.08          | Inf            | -Inf        | 31.10       | 3        | Horizontal | 126         | 2.27       | -        |
| 2480MHz | Pass   | PK   | 2.4984G   | 57.43          | 74.00          | -16.57      | 31.17       | 3        | Horizontal | 126         | 2.27       | -        |

**BT-BR(1Mbps)**

**2402MHz\_TX**

29/08/2018



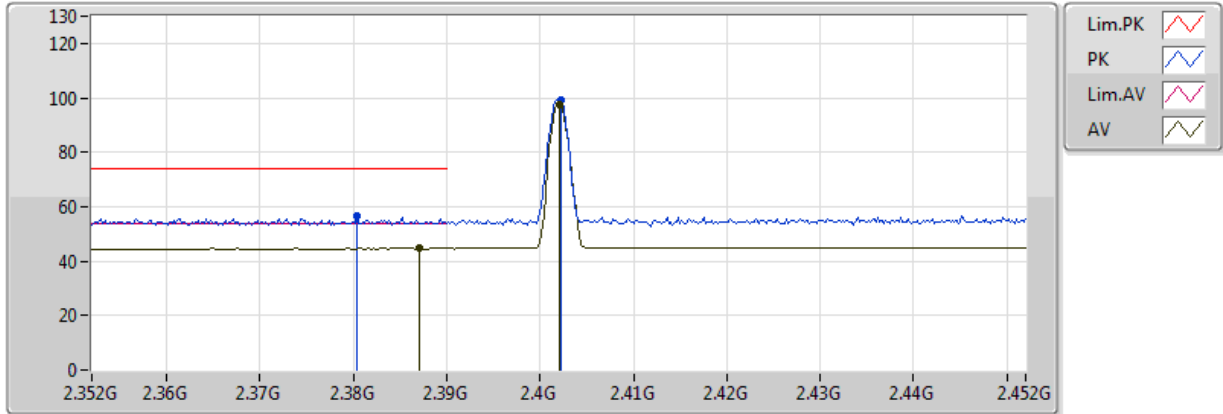
| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|-----------|-------------|------------|----------|
| AV   | 2.3886G   | 44.60          | 54.00          | -9.40       | 30.77       | 3        | Vertical  | 129         | 2.13       | -        |
| AV   | 2.402G    | 98.75          | Inf            | -Inf        | 30.82       | 3        | Vertical  | 129         | 2.13       | -        |
| PK   | 2.3796G   | 56.44          | 74.00          | -17.56      | 30.74       | 3        | Vertical  | 129         | 2.13       | -        |
| PK   | 2.4022G   | 100.09         | Inf            | -Inf        | 30.82       | 3        | Vertical  | 129         | 2.13       | -        |



### BT-BR(1Mbps)

### 2402MHz\_TX

29/08/2018

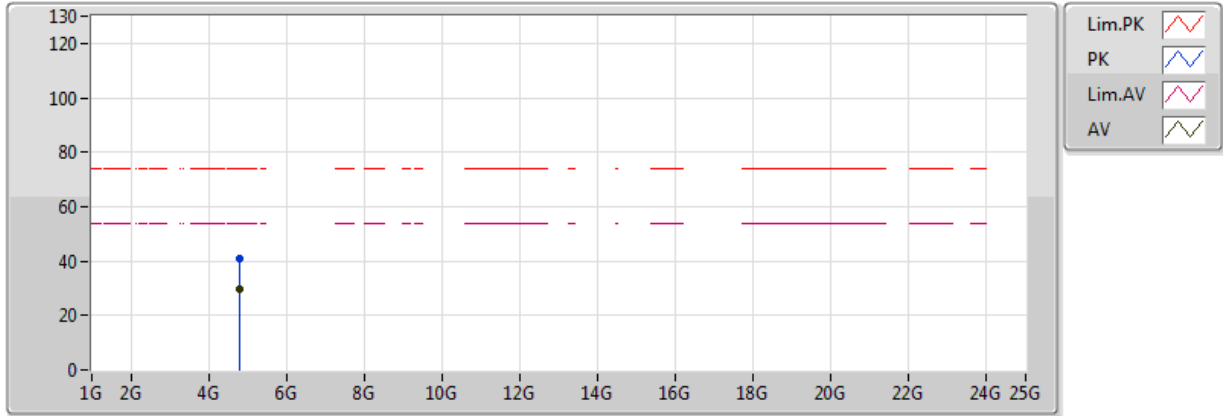


| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| AV   | 2.387G    | 44.61          | 54.00          | -9.39       | 30.76       | 3        | Horizontal | 130         | 1.50       | -        |
| AV   | 2.402G    | 97.75          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 130         | 1.50       | -        |
| PK   | 2.3804G   | 56.64          | 74.00          | -17.36      | 30.75       | 3        | Horizontal | 130         | 1.50       | -        |
| PK   | 2.4022G   | 99.06          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 130         | 1.50       | -        |

### BT-BR(1Mbps)

### 2402MHz\_TX

29/08/2018

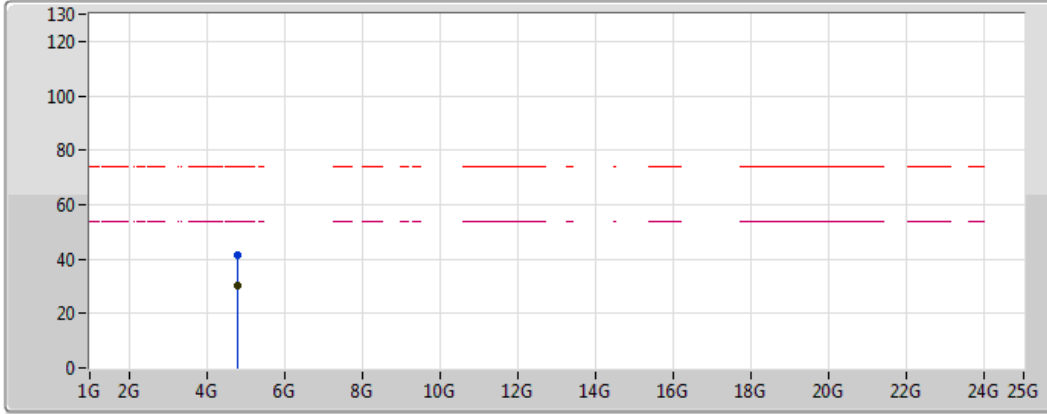


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 4.80394G     | 29.85             | 54.00             | -24.15         | 2.08           | 3           | Vertical  | 155            | 1.74          | -        |
| PK   | 4.8064G      | 40.81             | 74.00             | -33.19         | 2.09           | 3           | Vertical  | 155            | 1.74          | -        |





### BT-BR(1Mbps)

### 2402MHz\_TX

29/08/2018



Legend:

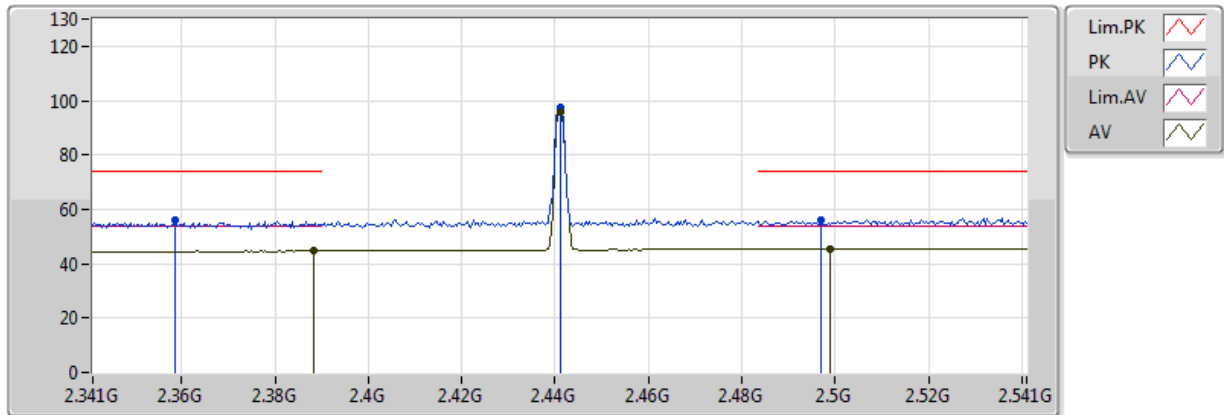
- Lim.PK 
- PK 
- Lim.AV 
- AV 

| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 4.80364G     | 30.05             | 54.00             | -23.95         | 2.08           | 3           | Horizontal | 262            | 1.54          | -        |
| PK   | 4.80916G     | 41.55             | 74.00             | -32.45         | 2.09           | 3           | Horizontal | 262            | 1.54          | -        |

### BT-BR(1Mbps)

### 2441MHz\_TX

29/08/2018

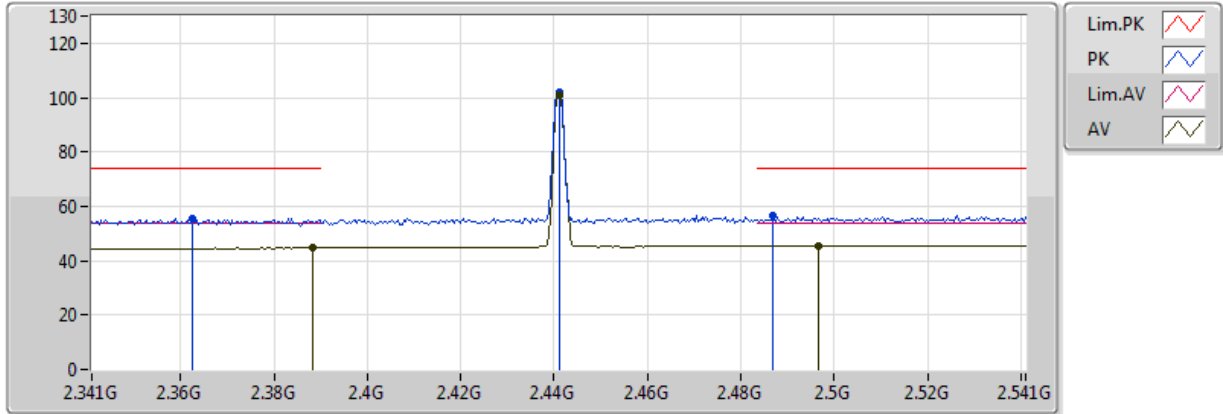


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 2.3882G      | 44.60             | 54.00             | -9.40          | 30.77          | 3           | Vertical  | 285            | 1.94          | -        |
| AV   | 2.441G       | 95.99             | Inf               | -Inf           | 30.96          | 3           | Vertical  | 285            | 1.94          | -        |
| AV   | 2.499G       | 45.42             | 54.00             | -8.58          | 31.17          | 3           | Vertical  | 285            | 1.94          | -        |
| PK   | 2.3586G      | 55.84             | 74.00             | -18.16         | 30.66          | 3           | Vertical  | 285            | 1.94          | -        |
| PK   | 2.441G       | 97.33             | Inf               | -Inf           | 30.96          | 3           | Vertical  | 285            | 1.94          | -        |
| PK   | 2.497G       | 55.92             | 74.00             | -18.08         | 31.16          | 3           | Vertical  | 285            | 1.94          | -        |

### BT-BR(1Mbps)

### 2441MHz\_TX

29/08/2018

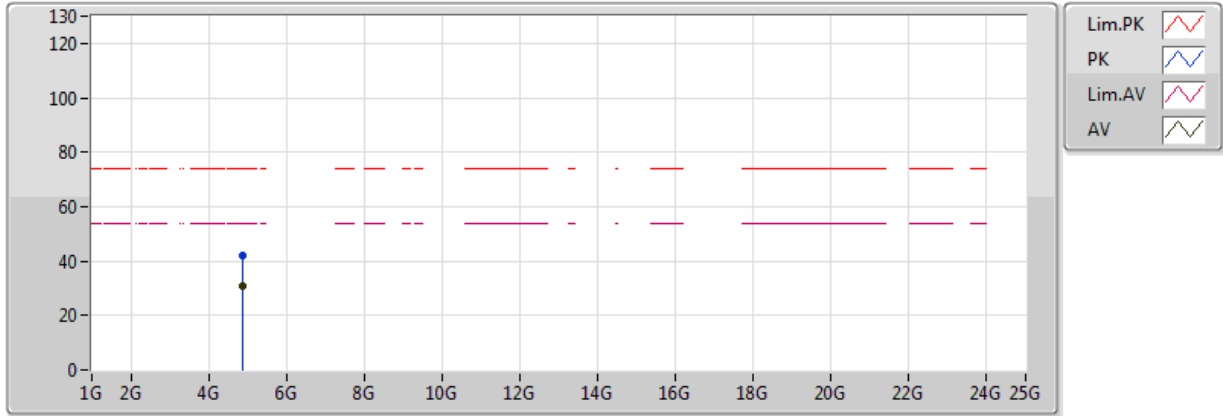


| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| AV   | 2.3882G   | 44.60          | 54.00          | -9.40       | 30.77       | 3        | Horizontal | 130         | 2.11       | -        |
| AV   | 2.441G    | 100.63         | Inf            | -Inf        | 30.96       | 3        | Horizontal | 130         | 2.11       | -        |
| AV   | 2.4966G   | 45.41          | 54.00          | -8.59       | 31.16       | 3        | Horizontal | 130         | 2.11       | -        |
| PK   | 2.3626G   | 55.66          | 74.00          | -18.34      | 30.68       | 3        | Horizontal | 130         | 2.11       | -        |
| PK   | 2.441G    | 101.92         | Inf            | -Inf        | 30.96       | 3        | Horizontal | 130         | 2.11       | -        |
| PK   | 2.487G    | 56.77          | 74.00          | -17.23      | 31.12       | 3        | Horizontal | 130         | 2.11       | -        |

### BT-BR(1Mbps)

### 2441MHz\_TX

29/08/2018

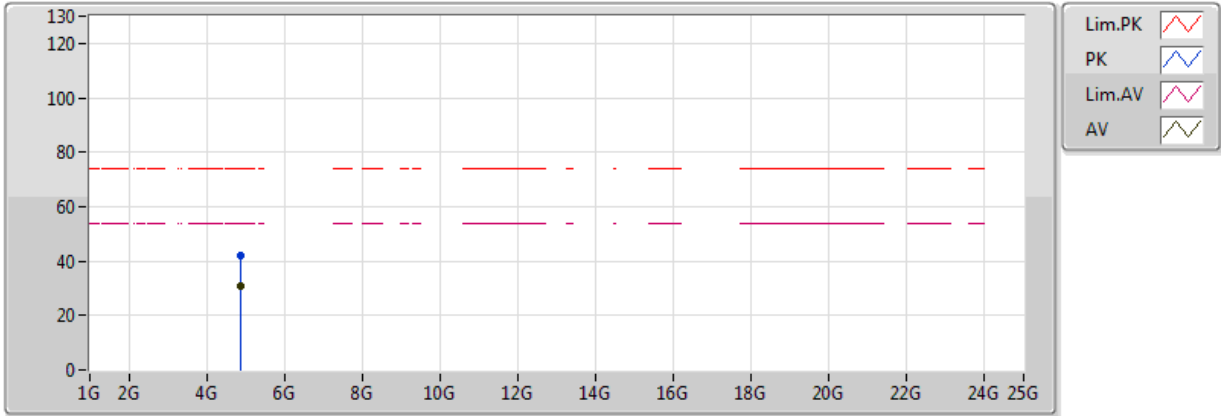


| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|-----------|-------------|------------|----------|
| AV   | 4.88262G  | 30.62          | 54.00          | -23.38      | 2.30        | 3        | Vertical  | 155         | 1.66       | -        |
| PK   | 4.89196G  | 41.92          | 74.00          | -32.08      | 2.30        | 3        | Vertical  | 155         | 1.66       | -        |

### BT-BR(1Mbps)

### 2441MHz\_TX

29/08/2018

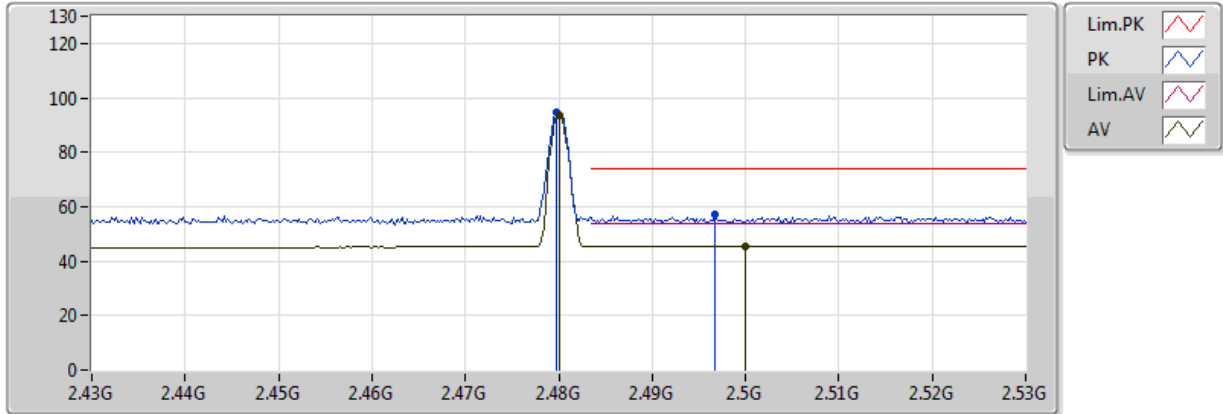


| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| AV   | 4.8934G   | 30.83          | 54.00          | -23.17      | 2.30        | 3        | Horizontal | 318         | 1.51       | -        |
| PK   | 4.8937G   | 41.95          | 74.00          | -32.05      | 2.30        | 3        | Horizontal | 318         | 1.51       | -        |

### BT-BR(1Mbps)

### 2480MHz\_TX

29/08/2018



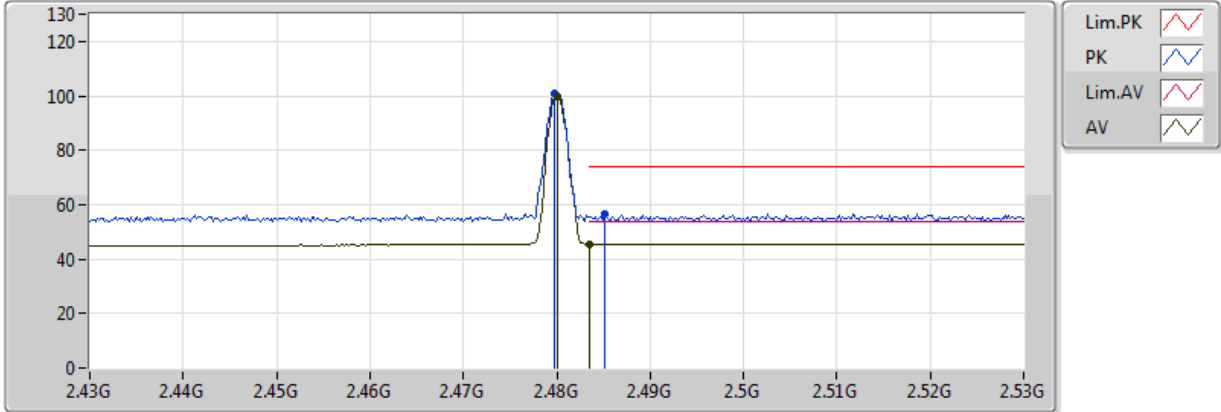
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 2.48G        | 93.55             | Inf               | -Inf           | 31.10          | 3           | Vertical  | 350            | 1.01          | -        |
| AV   | 2.499998G    | 45.43             | 54.00             | -8.57          | 31.17          | 3           | Vertical  | 350            | 1.01          | -        |
| PK   | 2.4798G      | 94.88             | Inf               | -Inf           | 31.10          | 3           | Vertical  | 350            | 1.01          | -        |
| PK   | 2.4968G      | 56.94             | 74.00             | -17.06         | 31.16          | 3           | Vertical  | 350            | 1.01          | -        |



### BT-BR(1Mbps)

### 2480MHz\_TX

29/08/2018

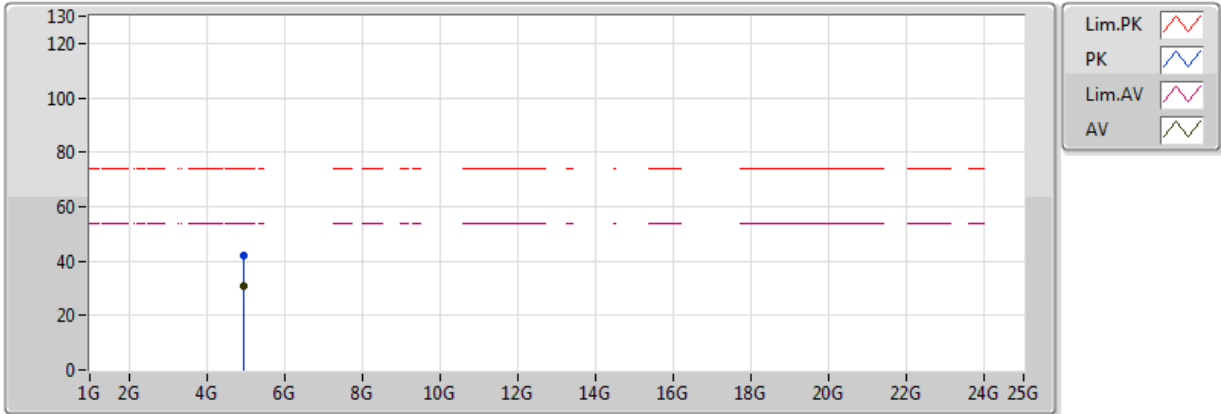


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 2.48G        | 99.80             | Inf               | -Inf           | 31.10          | 3           | Horizontal | 129            | 2.27          | -        |
| AV   | 2.483502G    | 45.55             | 54.00             | -8.45          | 31.11          | 3           | Horizontal | 129            | 2.27          | -        |
| PK   | 2.4798G      | 101.12            | Inf               | -Inf           | 31.10          | 3           | Horizontal | 129            | 2.27          | -        |
| PK   | 2.4852G      | 56.58             | 74.00             | -17.42         | 31.12          | 3           | Horizontal | 129            | 2.27          | -        |

### BT-BR(1Mbps)

### 2480MHz\_TX

29/08/2018

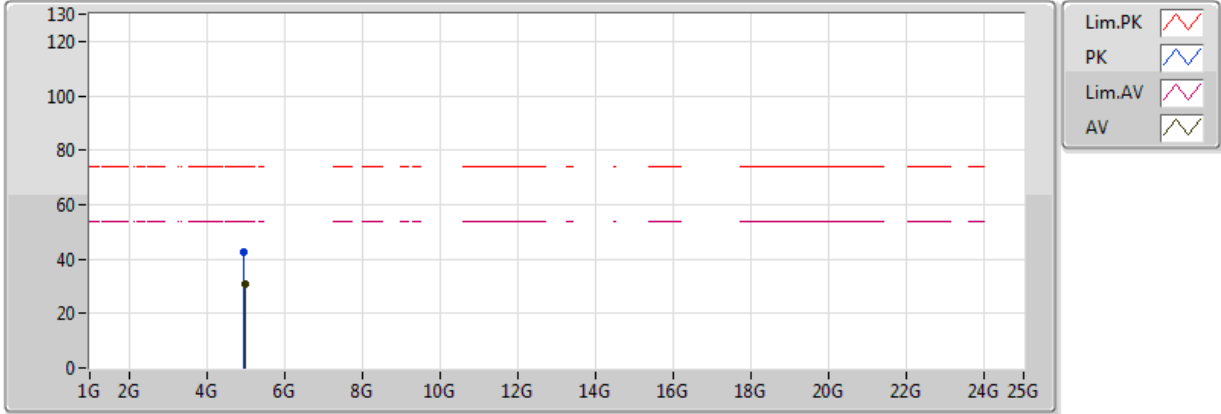


| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|-----------|-------------|------------|----------|
| AV   | 4.97332G  | 30.86          | 54.00          | -23.14      | 2.50        | 3        | Vertical  | 328         | 1.48       | -        |
| PK   | 4.96858G  | 42.19          | 74.00          | -31.81      | 2.49        | 3        | Vertical  | 328         | 1.48       | -        |

### BT-BR(1Mbps)

### 2480MHz\_TX

29/08/2018

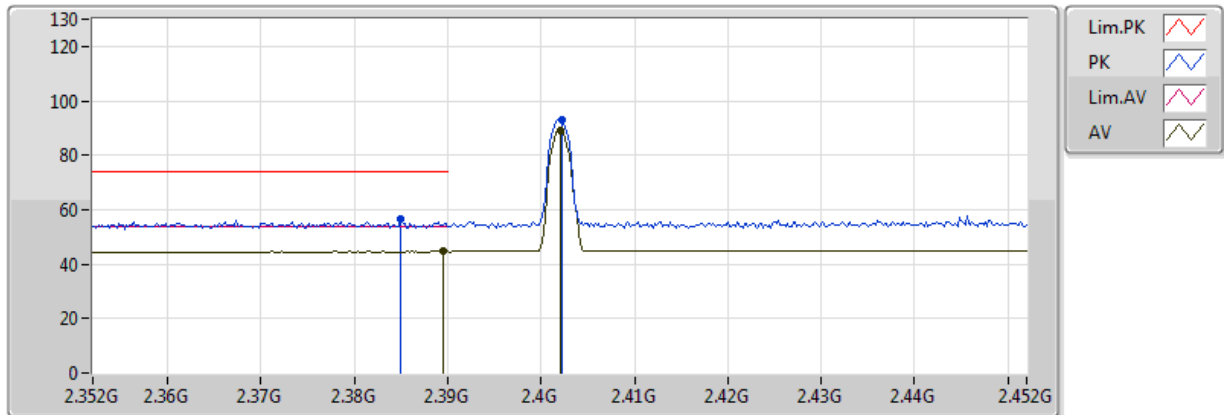


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 4.97404G     | 30.95             | 54.00             | -23.05         | 2.51           | 3           | Horizontal | 324            | 1.68          | -        |
| PK   | 4.95826G     | 42.64             | 74.00             | -31.36         | 2.47           | 3           | Horizontal | 324            | 1.68          | -        |

### BT-EDR(2Mbps)

### 2402MHz\_TX

29/08/2018

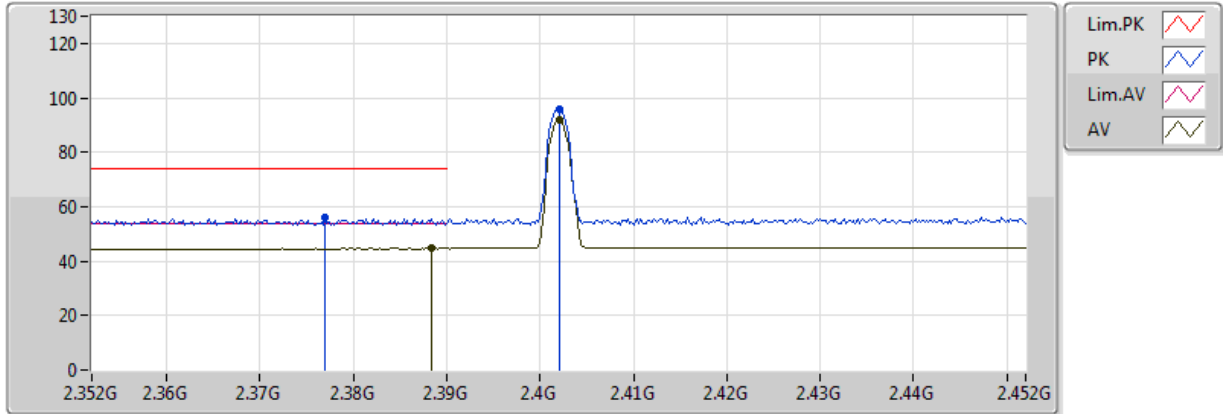


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 2.3896G      | 44.60             | 54.00             | -9.40          | 30.77          | 3           | Vertical  | 283            | 2.24          | -        |
| AV   | 2.402G       | 89.00             | Inf               | -Inf           | 30.82          | 3           | Vertical  | 283            | 2.24          | -        |
| PK   | 2.385G       | 56.67             | 74.00             | -17.33         | 30.76          | 3           | Vertical  | 283            | 2.24          | -        |
| PK   | 2.4022G      | 92.82             | Inf               | -Inf           | 30.82          | 3           | Vertical  | 283            | 2.24          | -        |

### BT-EDR(2Mbps)

### 2402MHz\_TX

29/08/2018

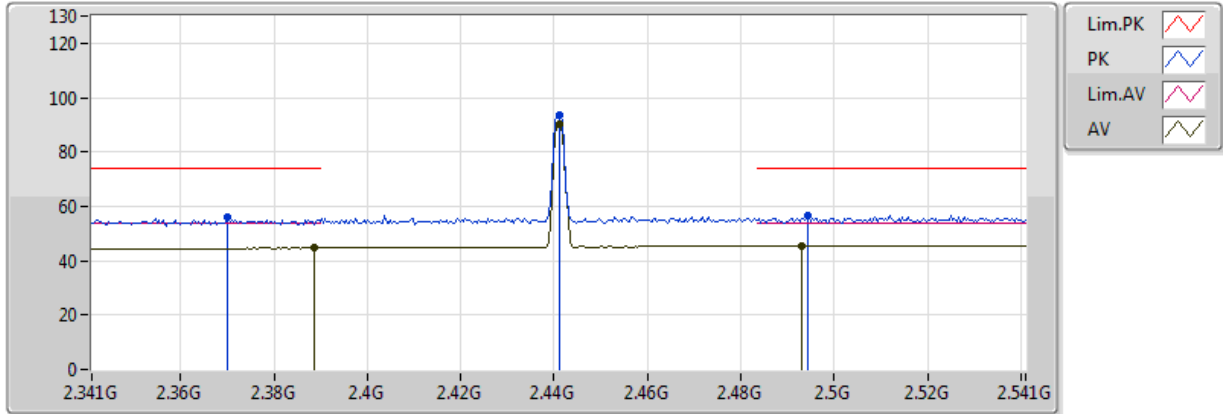


| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| AV   | 2.3884G   | 44.59          | 54.00          | -9.41       | 30.77       | 3        | Horizontal | 129         | 2.12       | -        |
| AV   | 2.402G    | 91.72          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 129         | 2.12       | -        |
| PK   | 2.377G    | 55.77          | 74.00          | -18.23      | 30.73       | 3        | Horizontal | 129         | 2.12       | -        |
| PK   | 2.402G    | 95.55          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 129         | 2.12       | -        |

### BT-EDR(2Mbps)

### 2441MHz\_TX

29/08/2018

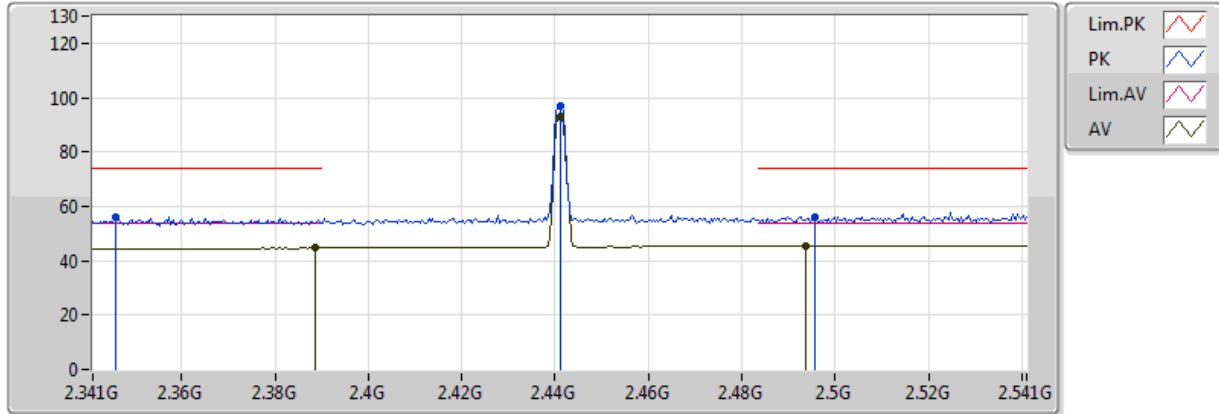


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 2.3886G      | 44.62             | 54.00             | -9.38          | 30.77          | 3           | Vertical  | 284            | 2.72          | -        |
| AV   | 2.441G       | 90.02             | Inf               | -Inf           | 30.96          | 3           | Vertical  | 284            | 2.72          | -        |
| AV   | 2.493G       | 45.39             | 54.00             | -8.61          | 31.14          | 3           | Vertical  | 284            | 2.72          | -        |
| PK   | 2.3702G      | 55.82             | 74.00             | -18.18         | 30.71          | 3           | Vertical  | 284            | 2.72          | -        |
| PK   | 2.441G       | 93.84             | Inf               | -Inf           | 30.96          | 3           | Vertical  | 284            | 2.72          | -        |
| PK   | 2.4942G      | 56.32             | 74.00             | -17.68         | 31.15          | 3           | Vertical  | 284            | 2.72          | -        |

### BT-EDR(2Mbps)

### 2441MHz\_TX

29/08/2018

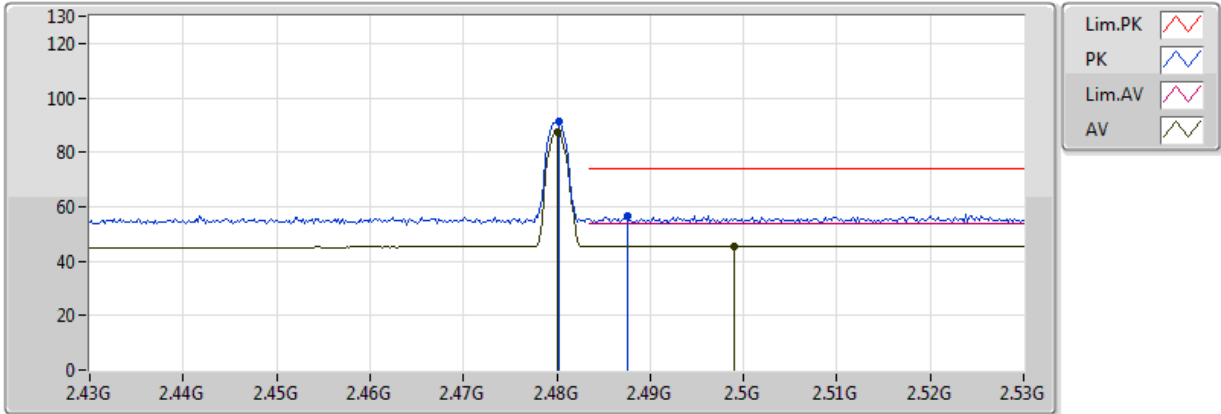


| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| AV   | 2.3886G   | 44.59          | 54.00          | -9.41       | 30.77       | 3        | Horizontal | 131         | 2.10       | -        |
| AV   | 2.441G    | 93.29          | Inf            | -Inf        | 30.96       | 3        | Horizontal | 131         | 2.10       | -        |
| AV   | 2.4938G   | 45.39          | 54.00          | -8.61       | 31.15       | 3        | Horizontal | 131         | 2.10       | -        |
| PK   | 2.3458G   | 56.27          | 74.00          | -17.73      | 30.62       | 3        | Horizontal | 131         | 2.10       | -        |
| PK   | 2.441G    | 97.12          | Inf            | -Inf        | 30.96       | 3        | Horizontal | 131         | 2.10       | -        |
| PK   | 2.4958G   | 56.12          | 74.00          | -17.88      | 31.16       | 3        | Horizontal | 131         | 2.10       | -        |

### BT-EDR(2Mbps)

### 2480MHz\_TX

29/08/2018



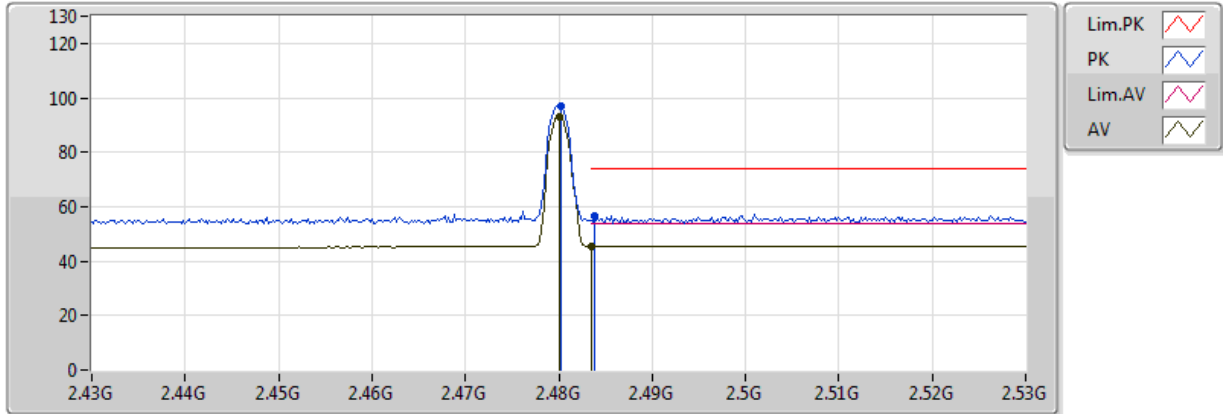
| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|-----------|-------------|------------|----------|
| AV   | 2.48G     | 87.19          | Inf            | -Inf        | 31.10       | 3        | Vertical  | 358         | 1.01       | -        |
| AV   | 2.499G    | 45.40          | 54.00          | -8.60       | 31.17       | 3        | Vertical  | 358         | 1.01       | -        |
| PK   | 2.4802G   | 91.06          | Inf            | -Inf        | 31.10       | 3        | Vertical  | 358         | 1.01       | -        |
| PK   | 2.4876G   | 56.57          | 74.00          | -17.43      | 31.13       | 3        | Vertical  | 358         | 1.01       | -        |



### BT-EDR(2Mbps)

### 2480MHz\_TX

29/08/2018

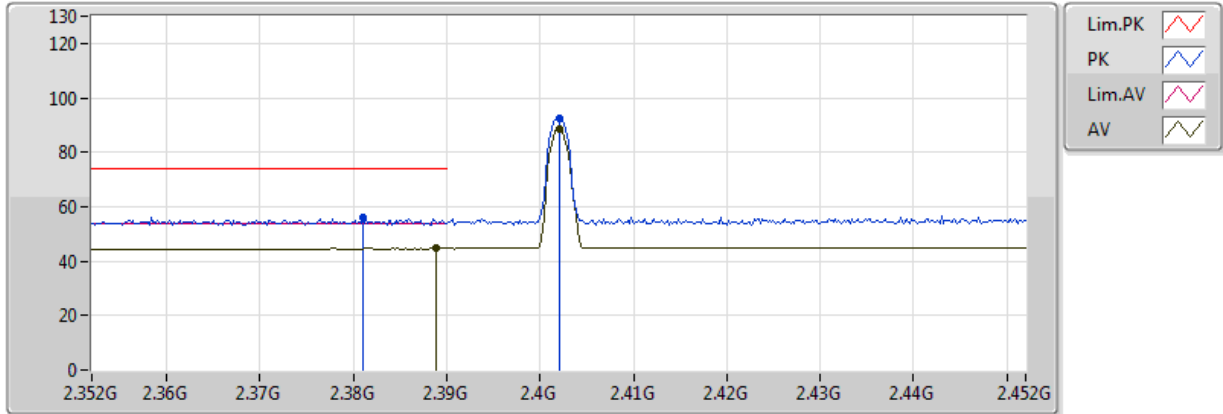


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 2.48G        | 93.11             | Inf               | -Inf           | 31.10          | 3           | Horizontal | 129            | 2.27          | -        |
| AV   | 2.483502G    | 45.44             | 54.00             | -8.56          | 31.11          | 3           | Horizontal | 129            | 2.27          | -        |
| PK   | 2.4802G      | 96.94             | Inf               | -Inf           | 31.10          | 3           | Horizontal | 129            | 2.27          | -        |
| PK   | 2.4838G      | 56.74             | 74.00             | -17.26         | 31.11          | 3           | Horizontal | 129            | 2.27          | -        |

### BT-EDR(3Mbps)

### 2402MHz\_TX

29/08/2018

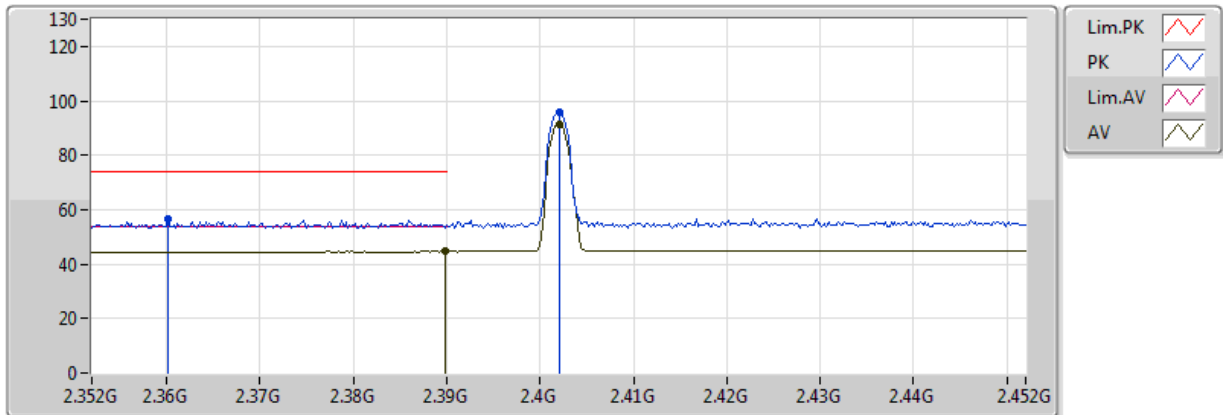


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 2.3888G      | 44.62             | 54.00             | -9.38          | 30.77          | 3           | Vertical  | 287            | 2.24          | -        |
| AV   | 2.402G       | 88.61             | Inf               | -Inf           | 30.82          | 3           | Vertical  | 287            | 2.24          | -        |
| PK   | 2.381G       | 56.09             | 74.00             | -17.91         | 30.75          | 3           | Vertical  | 287            | 2.24          | -        |
| PK   | 2.402G       | 92.62             | Inf               | -Inf           | 30.82          | 3           | Vertical  | 287            | 2.24          | -        |

### BT-EDR(3Mbps)

### 2402MHz\_TX

29/08/2018

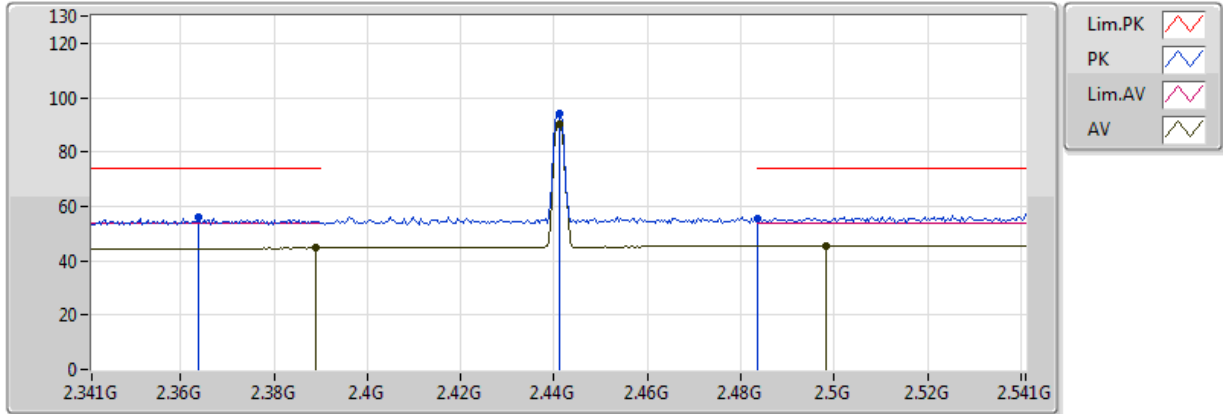


| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| AV   | 2.3898G   | 44.63          | 54.00          | -9.37       | 30.77       | 3        | Horizontal | 130         | 2.13       | -        |
| AV   | 2.402G    | 91.50          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 130         | 2.13       | -        |
| PK   | 2.3602G   | 56.39          | 74.00          | -17.61      | 30.67       | 3        | Horizontal | 130         | 2.13       | -        |
| PK   | 2.402G    | 95.55          | Inf            | -Inf        | 30.82       | 3        | Horizontal | 130         | 2.13       | -        |

### BT-EDR(3Mbps)

### 2441MHz\_TX

29/08/2018

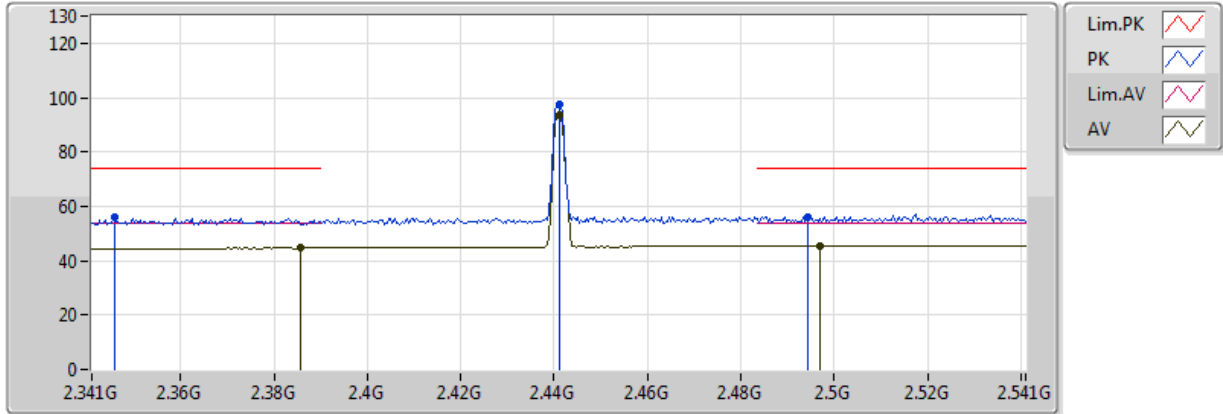


| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|-----------|-------------|------------|----------|
| AV   | 2.389G    | 44.60          | 54.00          | -9.40       | 30.77       | 3        | Vertical  | 281         | 2.71       | -        |
| AV   | 2.441G    | 89.95          | Inf            | -Inf        | 30.96       | 3        | Vertical  | 281         | 2.71       | -        |
| AV   | 2.4982G   | 45.43          | 54.00          | -8.57       | 31.16       | 3        | Vertical  | 281         | 2.71       | -        |
| PK   | 2.3638G   | 55.79          | 74.00          | -18.21      | 30.68       | 3        | Vertical  | 281         | 2.71       | -        |
| PK   | 2.441G    | 93.98          | Inf            | -Inf        | 30.96       | 3        | Vertical  | 281         | 2.71       | -        |
| PK   | 2.483502G | 55.69          | 74.00          | -18.31      | 31.11       | 3        | Vertical  | 281         | 2.71       | -        |

### BT-EDR(3Mbps)

### 2441MHz\_TX

29/08/2018

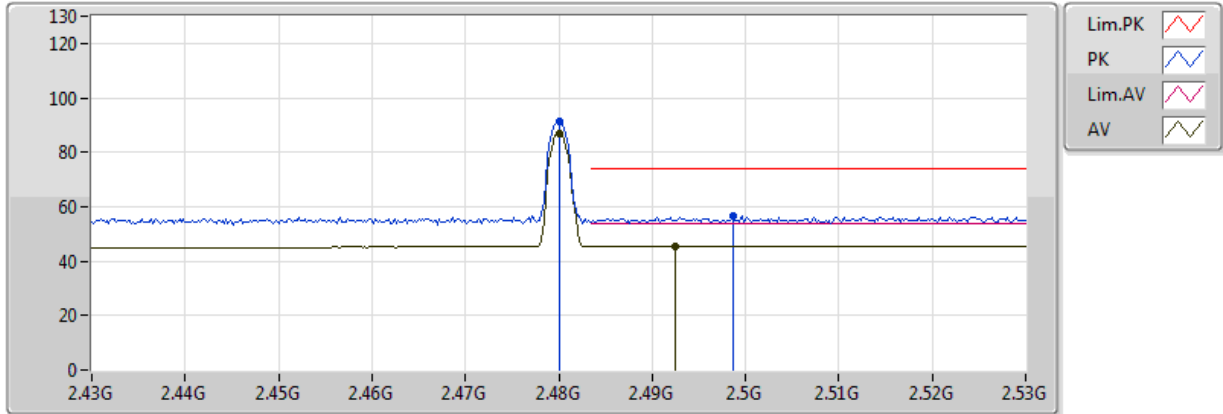


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|----------|
| AV   | 2.3858G      | 44.61             | 54.00             | -9.39          | 30.76          | 3           | Horizontal | 128            | 2.34          | -        |
| AV   | 2.441G       | 93.55             | Inf               | -Inf           | 30.96          | 3           | Horizontal | 128            | 2.34          | -        |
| AV   | 2.497G       | 45.41             | 54.00             | -8.59          | 31.16          | 3           | Horizontal | 128            | 2.34          | -        |
| PK   | 2.3458G      | 55.78             | 74.00             | -18.22         | 30.62          | 3           | Horizontal | 128            | 2.34          | -        |
| PK   | 2.441G       | 97.58             | Inf               | -Inf           | 30.96          | 3           | Horizontal | 128            | 2.34          | -        |
| PK   | 2.4942G      | 56.16             | 74.00             | -17.84         | 31.15          | 3           | Horizontal | 128            | 2.34          | -        |

### BT-EDR(3Mbps)

### 2480MHz\_TX

29/08/2018

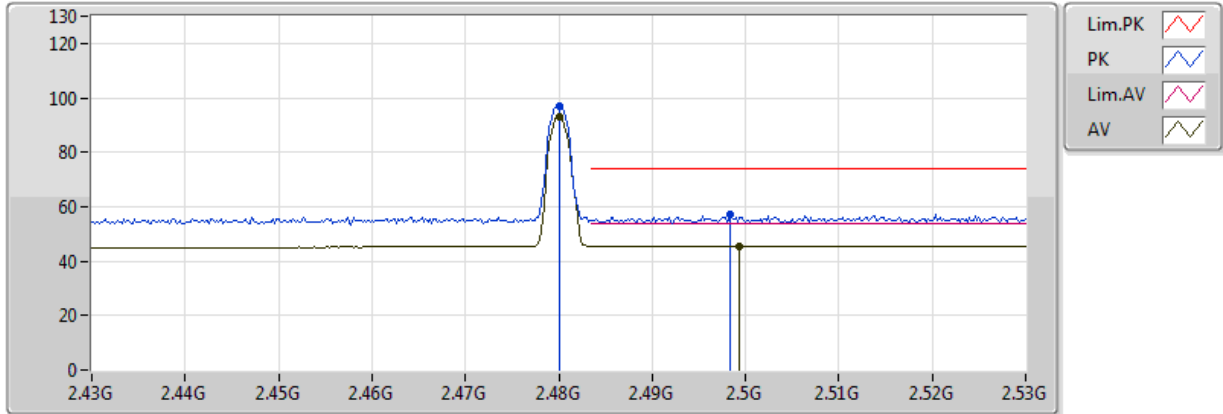


| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|----------|
| AV   | 2.48G        | 87.08             | Inf               | -Inf           | 31.10          | 3           | Vertical  | 355            | 1.01          | -        |
| AV   | 2.4924G      | 45.43             | 54.00             | -8.57          | 31.14          | 3           | Vertical  | 355            | 1.01          | -        |
| PK   | 2.48G        | 91.16             | Inf               | -Inf           | 31.10          | 3           | Vertical  | 355            | 1.01          | -        |
| PK   | 2.4986G      | 56.84             | 74.00             | -17.16         | 31.17          | 3           | Vertical  | 355            | 1.01          | -        |

### BT-EDR(3Mbps)

### 2480MHz\_TX

29/08/2018



| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|
| AV   | 2.48G     | 93.03          | Inf            | -Inf        | 31.10       | 3        | Horizontal | 126         | 2.27       | -        |
| AV   | 2.4994G   | 45.44          | 54.00          | -8.56       | 31.17       | 3        | Horizontal | 126         | 2.27       | -        |
| PK   | 2.48G     | 97.08          | Inf            | -Inf        | 31.10       | 3        | Horizontal | 126         | 2.27       | -        |
| PK   | 2.4984G   | 57.43          | 74.00          | -16.57      | 31.17       | 3        | Horizontal | 126         | 2.27       | -        |



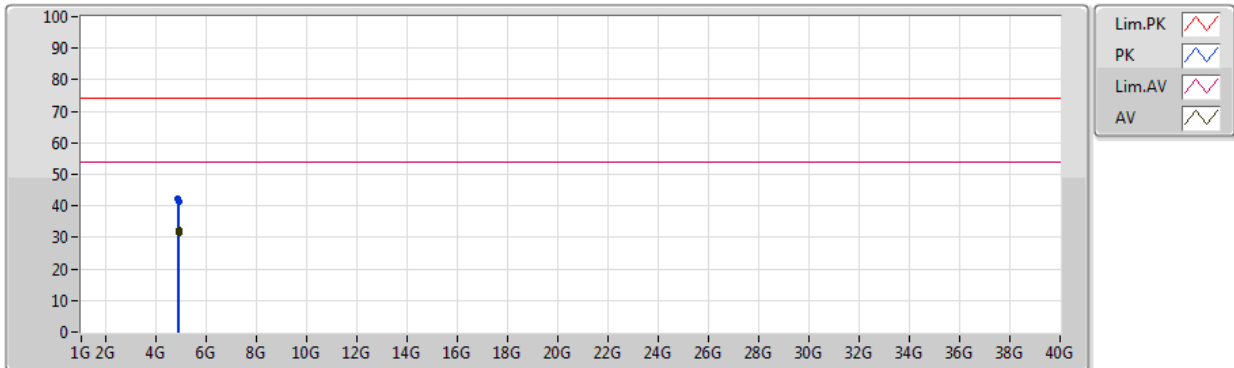
Summary

| Mode    | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments |
|---------|--------|------|-----------|----------------|----------------|-------------|-------------|----------|-----------|-------------|------------|----------|
| Mode 1. | Pass   | AV   | 4.824G    | 48.55          | 54.00          | -5.45       | 2.13        | 3        | Vertical  | 215         | 1.53       | -        |
| Mode 2. | Pass   | AV   | 4.804G    | 47.56          | 54.00          | -6.44       | 2.08        | 3        | Vertical  | 175         | 1.67       | -        |



Radiation-above 1GHz\_Mode 1

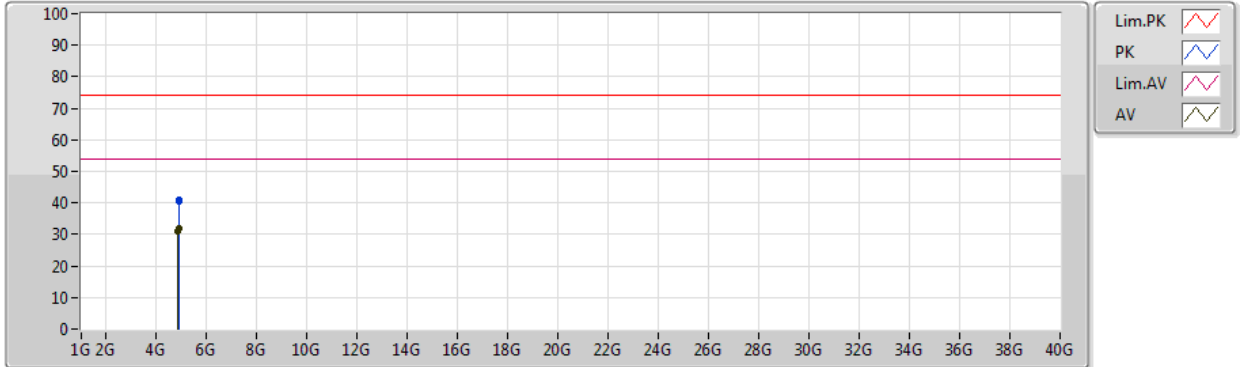
31/08/2018



| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments | Raw (dBuV) | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|-------------|----------|-----------|-------------|------------|----------|------------|---------|---------|---------|
| AV   | 4.889G    | 32.28          | 54.00          | -21.72      | 1.40        | 3        | Vertical  | 126         | 1.64       | -        | 30.88      | 31.24   | 4.55    | 34.39   |
| AV   | 4.8942G   | 31.56          | 54.00          | -22.44      | 1.42        | 3        | Vertical  | 200         | 1.82       | -        | 30.14      | 31.25   | 4.56    | 34.39   |
| PK   | 4.8626G   | 42.19          | 74.00          | -31.81      | 1.36        | 3        | Vertical  | 126         | 1.64       | -        | 40.83      | 31.21   | 4.54    | 34.39   |
| PK   | 4.88631G  | 41.54          | 74.00          | -32.46      | 1.40        | 3        | Vertical  | 200         | 1.82       | -        | 40.14      | 31.24   | 4.55    | 34.39   |

Radiation-above 1GHz\_Mode 1

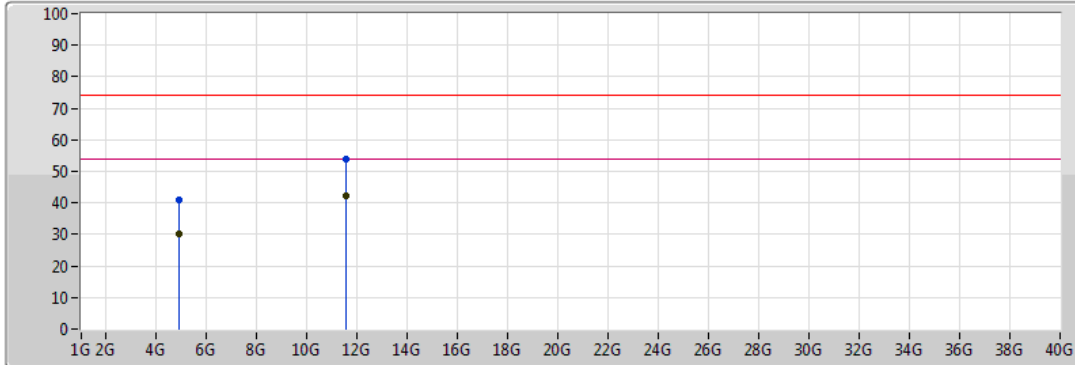
31/08/2018







| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments | Raw (dBuV) | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|-------------|----------|------------|-------------|------------|----------|------------|---------|---------|---------|
| AV   | 4.86721G  | 31.24          | 54.00          | -22.76      | 1.36        | 3        | Horizontal | 186         | 2.23       | -        | 29.88      | 31.21   | 4.54    | 34.39   |
| AV   | 4.8891G   | 32.07          | 54.00          | -21.93      | 1.40        | 3        | Horizontal | 311         | 2.01       | -        | 30.67      | 31.24   | 4.55    | 34.39   |
| PK   | 4.88564G  | 41.11          | 74.00          | -32.89      | 1.40        | 3        | Horizontal | 311         | 2.01       | -        | 39.71      | 31.24   | 4.55    | 34.39   |
| PK   | 4.89374G  | 40.56          | 74.00          | -33.44      | 1.42        | 3        | Horizontal | 186         | 2.23       | -        | 39.14      | 31.25   | 4.56    | 34.39   |

Radiation-above 1GHz\_Mode 2

31/08/2018



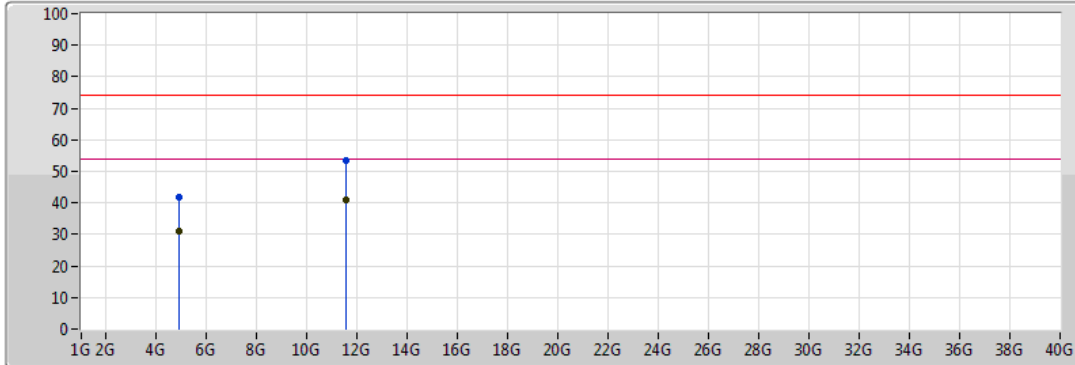
Legend:

- Lim.PK 
- PK 
- Lim.AV 
- AV 

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments | Raw (dBuV) | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|-------------|----------|-----------|-------------|------------|----------|------------|---------|---------|---------|
| AV   | 4.883G    | 30.06          | 54.00          | -23.94      | 1.40        | 3        | Vertical  | 180         | 1.70       | -        | 28.66      | 31.24   | 4.55    | 34.39   |
| AV   | 11.5458G  | 42.40          | 54.00          | -11.60      | 12.04       | 3        | Vertical  | 280         | 1.69       | -        | 30.36      | 39.34   | 7.49    | 34.79   |
| PK   | 4.8814G   | 41.10          | 74.00          | -32.90      | 1.39        | 3        | Vertical  | 180         | 1.70       | -        | 39.71      | 31.23   | 4.55    | 34.39   |
| PK   | 11.54564G | 54.06          | 74.00          | -19.94      | 12.04       | 3        | Vertical  | 280         | 1.69       | -        | 42.02      | 39.34   | 7.49    | 34.79   |

Radiation-above 1GHz\_Mode 2

31/08/2018



Legend:

- Lim.PK (Red line)
- PK (Blue line)
- Lim.AV (Magenta line)
- AV (Green line)

| Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Factor (dB) | Dist (m) | Condition | Azimuth (°) | Height (m) | Comments | Raw (dBuV) | AF (dB) | CL (dB) | PA (dB) |
|------|-----------|----------------|----------------|-------------|-------------|----------|-----------|-------------|------------|----------|------------|---------|---------|---------|
| AV   | 4.87314G  | 31.24          | 54.00          | -22.76      | 1.38        | 3        | Vertical  | 190         | 2.20       | -        | 29.86      | 31.22   | 4.55    | 34.39   |
| AV   | 11.55273G | 41.12          | 54.00          | -12.88      | 12.03       | 3        | Vertical  | 224         | 2.42       | -        | 29.09      | 39.33   | 7.49    | 34.79   |
| PK   | 4.881G    | 41.75          | 74.00          | -32.25      | 1.39        | 3        | Vertical  | 190         | 2.20       | -        | 40.36      | 31.23   | 4.55    | 34.39   |
| PK   | 11.553G   | 53.53          | 74.00          | -20.47      | 12.03       | 3        | Vertical  | 224         | 2.42       | -        | 41.50      | 39.33   | 7.49    | 34.79   |