

## FCC Test Report

### (Co-Located)

**Report No.:** RF181119C14B-2

**FCC ID:** 2ARF9CSG-BT

**Test Model:** CSG750

**Series Model:** CSG7xxxxxxxx (Where x can be 0-9, A-Z, a-z, any alphanumeric character or blank)

**Received Date:** May 02, 2019

**Test Date:** Jun. 20 ~ Jun. 27, 2019

**Issued Date:** Jul. 03, 2019

**Applicant:** Versa Networks

**Address:** 6001 America Center Dr, 4th floor, Suite 400, San Jose, CA 95002, USA

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.

**Test Location:** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)

**FCC Registration/  
Designation Number:** 788550 / TW0003



This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification. The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

## Table of Contents

|                                                                                           |            |
|-------------------------------------------------------------------------------------------|------------|
| <b>Release Control Record .....</b>                                                       | <b>3</b>   |
| <b>1 Certificate of Conformity .....</b>                                                  | <b>4</b>   |
| <b>2 Summary of Test Results .....</b>                                                    | <b>5</b>   |
| 2.1 Measurement Uncertainty .....                                                         | 5          |
| 2.2 Modification Record .....                                                             | 5          |
| <b>3 General Information .....</b>                                                        | <b>6</b>   |
| 3.1 General Description of EUT .....                                                      | 6          |
| 3.2 Description of Test Modes .....                                                       | 10         |
| 3.2.1 Test Mode Applicability and Tested Channel Detail .....                             | 13         |
| 3.3 Configuration of System under Test .....                                              | 17         |
| 3.3.1 Configuration of System under Test .....                                            | 17         |
| 3.4 General Description of Applied Standards .....                                        | 18         |
| <b>4 Test Types and Results .....</b>                                                     | <b>19</b>  |
| 4.1 Radiated Emission and Bandedge Measurement .....                                      | 19         |
| 4.1.1 Limits of Radiated Emission and Bandedge Measurement .....                          | 19         |
| 4.1.2 Test Instruments .....                                                              | 20         |
| 4.1.3 Test Procedures .....                                                               | 21         |
| 4.1.4 Deviation from Test Standard .....                                                  | 21         |
| 4.1.5 Test Setup .....                                                                    | 22         |
| 4.1.6 EUT Operating Conditions .....                                                      | 23         |
| 4.1.7 Test Results .....                                                                  | 24         |
| <b>5 Pictures of Test Arrangements .....</b>                                              | <b>120</b> |
| <b>Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band) .....</b> | <b>121</b> |
| <b>Appendix – Information of the Testing Laboratories .....</b>                           | <b>125</b> |

### Release Control Record

| Issue No.      | Description      | Date Issued   |
|----------------|------------------|---------------|
| RF181119C14B-2 | Original release | Jul. 03, 2019 |

## 1 Certificate of Conformity

**Product:** Cloud Services Gateway

**Brand:** Versa

**Test Model:** CSG750

**Series Model:** CSG7xxxxxxxx (Where x can be 0-9, A-Z, a-z, any alphanumeric character or blank)

**Sample Status:** Engineering sample

**Applicant:** Versa Networks

**Test Date:** Jun. 20 ~ Jun. 27, 2019

**Standards:** 47 CFR FCC Part 15, Subpart C (Section 15.247)  
47 CFR FCC Part 15, Subpart E (Section 15.407)  
FCC Part 22, Subpart H  
FCC Part 24, Subpart E  
FCC Part 27, Subpart C, D, F, H, L, M  
FCC Part 90, Subpart S  
ANSI 63.26-2015  
ANSI C63.10:2013  
ANSI C63.26:2015

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

**Prepared by :** Polly Chien , **Date:** Jul. 03, 2019  
Polly Chien / Specialist

**Approved by :** Bruce Chen , **Date:** Jul. 03, 2019  
Bruce Chen / Project Engineer

## 2 Summary of Test Results

| Applied Standard                                                  | 47 CFR FCC Part 15, Subpart C (Section 15.247)<br>47 CFR FCC Part 15, Subpart E (Section 15.407)<br>FCC Part 22, Subpart H<br>FCC Part 24, Subpart E<br>FCC Part 27, Subpart C, D, F, H, L, M<br>FCC Part 90, Subpart S |        |                                                                                     |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|
| FCC Clause                                                        | Test Item                                                                                                                                                                                                               | Result | Remarks                                                                             |
| 15.205 /<br>15.209 /<br>15.247(d)<br>15.407(b)<br>(1/2/3/4(ii)/6) | Radiated Emissions                                                                                                                                                                                                      | Pass   | Meet the requirement of limit.<br>Minimum passing margin is -0.3dB at 2390.00MHz.   |
| 2.1053<br>22.917                                                  | Radiated Spurious Emissions                                                                                                                                                                                             | Pass   | Meet the requirement of limit.<br>Minimum passing margin is -18.17dB at 831.00MHz.  |
| 2.1053<br>24.238                                                  | Radiated Spurious Emissions                                                                                                                                                                                             | Pass   | Meet the requirement of limit.<br>Minimum passing margin is -10.65dB at 1907.50MHz. |
| 2.1053<br>27.53(a)<br>27.53(c)<br>27.53(h)<br>27.53(m)            | Radiated Spurious Emissions                                                                                                                                                                                             | Pass   | Meet the requirement of limit.<br>Minimum passing margin is -14.42dB at 707.50MHz.  |
| 2.1053<br>90.691                                                  | Radiated Spurious Emissions                                                                                                                                                                                             | Pass   | Meet the requirement of limit.<br>Minimum passing margin is -15.53dB at 814.70MHz.  |

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### 2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| Measurement                    | Frequency        | Expanded Uncertainty (k=2) (±) |
|--------------------------------|------------------|--------------------------------|
| Radiated Emissions up to 1 GHz | 9kHz ~ 30MHz     | 3.04 dB                        |
|                                | 30MHz ~ 200MHz   | 3.86 dB                        |
|                                | 200MHz ~ 1000MHz | 3.87 dB                        |
| Radiated Emissions above 1 GHz | 1GHz ~ 18GHz     | 2.29 dB                        |
|                                | 18GHz ~ 40GHz    | 2.29 dB                        |

### 2.2 Modification Record

There were no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

|                         |                                                                                  |                                                                         |                          |                       |
|-------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------|-----------------------|
| Product                 | Cloud Services Gateway                                                           |                                                                         |                          |                       |
| Brand                   | Versa                                                                            |                                                                         |                          |                       |
| Test Model              | CSG750                                                                           |                                                                         |                          |                       |
| Series Model            | CSG7xxxxxxxx (Where x can be 0-9, A-Z, a-z, any alphanumeric character or blank) |                                                                         |                          |                       |
| Model Difference        | Refer to Note                                                                    |                                                                         |                          |                       |
| Status of EUT           | Engineering sample                                                               |                                                                         |                          |                       |
| Power Supply Rating     | 12Vdc from adapter                                                               |                                                                         |                          |                       |
| Modulation Type         | WLAN                                                                             | CCK, DQPSK, DBPSK for DSSS<br>256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM |                          |                       |
|                         | Bluetooth EDR                                                                    | GFSK, $\pi/4$ -DQPSK, 8DPSK                                             |                          |                       |
|                         | Bluetooth LE                                                                     | GFSK                                                                    |                          |                       |
|                         | WCDMA                                                                            | BPSK, QPSK                                                              |                          |                       |
|                         | LTE                                                                              | QPSK, 16QAM                                                             |                          |                       |
| Operating Frequency     | WLAN                                                                             | 2.4GHz: 2412~2462MHz<br>5.0GHz: 5180~5240MHz, 5745~5825MHz              |                          |                       |
|                         | Bluetooth EDR                                                                    | 2402 ~ 2480MHz                                                          |                          |                       |
|                         | Bluetooth LE                                                                     | 2402 ~ 2480MHz                                                          |                          |                       |
|                         | WCDMA                                                                            | WCDMA Band 2                                                            | 1852.4MHz ~ 1907.6MHz    |                       |
|                         |                                                                                  | WCDMA Band 4                                                            | 1712.4MHz ~ 1752.6MHz    |                       |
|                         |                                                                                  | WCDMA Band 5                                                            | 826.4MHz ~ 846.6MHz      |                       |
|                         | LTE                                                                              | LTE Band 2                                                              | Channel Bandwidth 1.4MHz | 1850.7MHz ~ 1909.3MHz |
|                         |                                                                                  |                                                                         | Channel Bandwidth 3MHz   | 1851.5MHz ~ 1908.5MHz |
|                         |                                                                                  |                                                                         | Channel Bandwidth 5MHz   | 1852.5MHz ~ 1907.5MHz |
|                         |                                                                                  |                                                                         | Channel Bandwidth 10MHz  | 1855.0MHz ~ 1905.0MHz |
|                         |                                                                                  |                                                                         | Channel Bandwidth 15MHz  | 1857.5MHz ~ 1902.5MHz |
|                         |                                                                                  |                                                                         | Channel Bandwidth 20MHz  | 1860.0MHz ~ 1900.0MHz |
|                         |                                                                                  | LTE Band 4                                                              | Channel Bandwidth 1.4MHz | 1710.7MHz ~ 1754.3MHz |
|                         |                                                                                  |                                                                         | Channel Bandwidth 3MHz   | 1711.5MHz ~ 1753.5MHz |
|                         |                                                                                  |                                                                         | Channel Bandwidth 5MHz   | 1712.5MHz ~ 1752.5MHz |
| Channel Bandwidth 10MHz |                                                                                  |                                                                         | 1715.0MHz ~ 1750.0MHz    |                       |
| Channel Bandwidth 15MHz |                                                                                  |                                                                         | 1717.5MHz ~ 1747.5MHz    |                       |
| Channel Bandwidth 20MHz |                                                                                  |                                                                         | 1720.0MHz ~ 1745.0MHz    |                       |

|                     |                                                                                                                                                                                                               |             |                          |                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------|-----------------------|
| Operating Frequency | LTE                                                                                                                                                                                                           | LTE Band 5  | Channel Bandwidth 1.4MHz | 824.7MHz ~ 848.3MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 3MHz   | 825.5MHz ~ 847.5MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 5MHz   | 826.5MHz ~ 846.5MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 10MHz  | 829.0MHz ~ 844.0MHz   |
|                     |                                                                                                                                                                                                               | LTE Band 7  | Channel Bandwidth 5MHz   | 2502.5MHz ~2567.5MHz  |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 10MHz  | 2505.0MHz ~ 2565.0MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 15MHz  | 2507.5MHz ~ 2562.5MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 20MHz  | 2510.0MHz ~ 2560.0MHz |
|                     |                                                                                                                                                                                                               | LTE Band 12 | Channel Bandwidth 1.4MHz | 699.7MHz ~ 715.3MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 3MHz   | 700.5MHz ~ 714.5MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 5MHz   | 701.5MHz ~ 713.5MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 10MHz  | 704.0MHz ~ 711.0MHz   |
|                     |                                                                                                                                                                                                               | LTE Band 13 | Channel Bandwidth 5MHz   | 779.5MHz ~ 784.5MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 10MHz  | 782.0MHz              |
|                     | LTE                                                                                                                                                                                                           | LTE Band 25 | Channel Bandwidth 1.4MHz | 1850.7MHz ~ 1914.3MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 3MHz   | 1851.5MHz ~ 1913.5MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 5MHz   | 1852.5MHz ~ 1912.5MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 10MHz  | 1855.0MHz ~ 1910.0MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 15MHz  | 1857.5MHz ~ 1907.5MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 20MHz  | 1860.0MHz ~ 1905.0MHz |
|                     |                                                                                                                                                                                                               | LTE Band 26 | Channel Bandwidth 1.4MHz | 814.7MHz ~ 848.3MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 3MHz   | 815.5MHz ~ 847.5MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 5MHz   | 816.5MHz ~ 846.5MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 10MHz  | 819.0MHz ~ 844.0MHz   |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 15MHz  | 821.5MHz ~ 841.5MHz   |
|                     |                                                                                                                                                                                                               | LTE Band 30 | Channel Bandwidth 5MHz   | 2307.5MHz ~ 2312.5MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 10MHz  | 2310.0MHz             |
|                     |                                                                                                                                                                                                               | LTE Band 41 | Channel Bandwidth 5MHz   | 2498.5MHz ~ 2687.5MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 10MHz  | 2501.0MHz ~ 2685.0MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 15MHz  | 2503.5MHz ~ 2682.5MHz |
|                     |                                                                                                                                                                                                               |             | Channel Bandwidth 20MHz  | 2506.0MHz ~ 2680.0MHz |
| Antenna Type        | Refer to note                                                                                                                                                                                                 |             |                          |                       |
| Antenna Connector   | Refer to note                                                                                                                                                                                                 |             |                          |                       |
| Accessory Device    | Adapter, POE Module Adapter,<br>WLAN Antenna x2 (Brand: WIESON, Model: GY121HT0330-016)<br>LTE Antenna x2 (Brand: WIESON, Model: GY115HT0330-038)<br>GPS Antenna (Brand: Anjie, Model: PH07-GPSGNS-B3M-SMA-M) |             |                          |                       |
| Cable Supplied      | 1.05m shielded RJ45 cable without core (for PoE LAN)<br>3.05m non-shielded Fiber cable without core                                                                                                           |             |                          |                       |

**Note:**

1. This report is issued as a supplementary report of original report no. RF181119C14. The difference compared with original report is changing the configuration from two LTE modules (Brand: Sierra, Model: MC7455) to one LTE module (Brand: Sierra, Model: MC7455)+WIFI module(Brand: VERSA NETWORKS, Model: CSG-W1, FCC ID: 2ARF9CSG-W1)+on board Bluetooth. The spurious emissions test is performed for the addendum. Refer to original report for the other test data.
2. All models are listed as below. Model CSG750 is the representative for final test.

|              |                                                                                   |                                          |                                          |
|--------------|-----------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Brand        | Versa                                                                             |                                          |                                          |
| Series Model | CSG7xxxxxxxx (Where x can be 0-9, A-Z, a-z, any alphanumeric character or blank)  |                                          |                                          |
| Series       | CSG730                                                                            | CSG750                                   | CSG770                                   |
| CPU          | ATOM C3308 2.1GHz/<br>2 cores/FC-BGA 9.5W                                         | ATOM C3558 2.2GHz/<br>4 cores/FC-BGA 16W | ATOM C3708 1.7Ghz/<br>8 cores/FC-BGA 17W |
| LTE Module   | Brand: Sierra, Model: MC7455, FCC ID: N7NMC7455                                   |                                          |                                          |
| WLAN Module  | Brand: VERSA NETWORKS, Model: CSG-W1, FCC ID: 2ARF9CSG-W1                         |                                          |                                          |
| BT Module    | Brand: Qualcomm, Model: CSR8811A12-IQQD-R                                         |                                          |                                          |
| NIC Module   | NM-VS2511IG401A (4 ports* 1G RJ45)<br>NM-VS2511IG401B (4 ports* 1G RJ45 with POE) |                                          |                                          |
| RAM          | SODIM DDR4 ECC 4GB<br>SODIM DDR4 ECC 8GB<br>SODIM DDR4 ECC 16GB                   |                                          |                                          |

3. There is WWAN modules (Brand: Sierra, Model: MC7455, FCC ID: N7NMC7455) collocated in the EUT.
4. Spurious emission of the simultaneous operation (GPS & WWAN) has been evaluated and no non-compliance was found.
5. The EUT uses following adapters.

| Adapter      |                                                 |
|--------------|-------------------------------------------------|
| Brand        | FSP GROUP INC.                                  |
| Model        | FSP060-DHAN3                                    |
| Input Power  | 100-240Vac~,1.8A 50-60Hz                        |
| Output Power | 12.0Vdc / 5.0A (60W MAX)                        |
| Power Line   | 1.2m DC cable with one core attached on adapter |

| POE Module Adapter |                                                 |
|--------------------|-------------------------------------------------|
| Brand              | FSP GROUP INC.                                  |
| Model              | FSP065-DWAN3                                    |
| Input Power        | 100-240Vac~,1.8A 50-60Hz                        |
| Output Power       | 54.0Vdc / 1.2A MAX                              |
| Power Line         | 1.15m DC cable without core attached on adapter |

\* Adapter Model: FSP060-DHAN3 was chosen for final test and presented in the test report.

6. The EUT uses following antennas.

WLAN:

| Ant. | Port | Brand  | P/N          | Antenna Type   | Connector | Cable color |
|------|------|--------|--------------|----------------|-----------|-------------|
| 1    | 1    | WIESON | GY121 Series | Dipole Antenna | RPSMA     | Gray        |
| 2    | 2    | WIESON | GY121 Series | Dipole Antenna | RPSMA     | Black       |

| Ant. | Port | Antenna Gain (dBi) |      | Cable Loss (dB) |      | True Gain (dBi) |      |
|------|------|--------------------|------|-----------------|------|-----------------|------|
|      |      | 2.4G               | 5G   | 2.4G            | 5G   | 2.4G            | 5G   |
| 1    | 1    | 3.10               | 4.55 | 0.75            | 1.61 | 2.35            | 2.94 |
| 2    | 2    | 3.10               | 4.55 | 1.00            | 1.78 | 2.10            | 2.77 |

BT: PIFA antenna with -1.86dBi gain

WWAN:

| Ant. Type       |                                    | PCB        |                                 |                 |                                    |            |                                 |
|-----------------|------------------------------------|------------|---------------------------------|-----------------|------------------------------------|------------|---------------------------------|
| Connector       |                                    | SMA        |                                 |                 |                                    |            |                                 |
| Frequency (GHz) | Peak Gain without cable loss (dBi) | Cable loss | Peak Gain with cable loss (dBi) | Frequency (GHz) | Peak Gain without cable loss (dBi) | Cable loss | Peak Gain with cable loss (dBi) |
| 0.698           | 1.37                               | -0.6627    | 0.71                            | 1.850           | 0.51                               | -1.0731    | -0.56                           |
| 0.704           | 1.49                               | -0.6627    | 0.83                            | 1.880           | 0.65                               | -1.0731    | -0.42                           |
| 0.746           | 0.93                               | -0.6627    | 0.27                            | 1.910           | 1.56                               | -1.0731    | 0.49                            |
| 0.757           | 1.61                               | -0.6627    | 0.95                            | 1.920           | 1.92                               | -1.0731    | 0.85                            |
| 0.787           | 1.66                               | -0.6627    | 1.00                            | 1.930           | 2.53                               | -1.0731    | 1.46                            |
| 0.824           | 2.98                               | -0.6627    | 2.32                            | 1.950           | 2.96                               | -1.0731    | 1.89                            |
| 0.836           | 2.46                               | -0.6627    | 1.80                            | 1.960           | 2.69                               | -1.0731    | 1.62                            |
| 0.849           | 3.2                                | -0.6627    | 2.54                            | 1.980           | 2.75                               | -1.0731    | 1.68                            |
| 0.869           | 2.11                               | -0.6627    | 1.45                            | 1.990           | 2.5                                | -1.1708    | 1.33                            |
| 0.880           | 1.22                               | -0.6627    | 0.56                            | 2.110           | 2.48                               | -1.1318    | 1.35                            |
| 0.864           | 0.53                               | -0.7413    | -0.21                           | 2.132           | 3.02                               | -1.1318    | 1.89                            |
| 0.900           | 0.56                               | -0.7413    | -0.18                           | 2.140           | 2.38                               | -1.1318    | 1.25                            |
| 0.915           | 0.7                                | -0.7413    | -0.04                           | 2.155           | 2.59                               | -1.1318    | 1.46                            |
| 0.925           | 1.25                               | -0.7413    | 0.51                            | 2.170           | 2.3                                | -1.1318    | 1.17                            |
| 0.940           | 1.13                               | -0.7413    | 0.39                            | 2.305           | 1.75                               | -1.4754    | 0.27                            |
| 0.960           | 1.4                                | -0.7413    | 0.66                            | 2.345           | 2.27                               | -1.4793    | 0.79                            |
| 1.710           | 1.04                               | -1.0731    | -0.03                           | 2.390           | 2.2                                | -1.5377    | 0.66                            |
| 1.732           | 1.25                               | -1.0731    | 0.18                            | 2.500           | 0.86                               | -1.5288    | -0.67                           |
| 1.750           | 1.4                                | -1.0731    | 0.33                            | 2.535           | 0.27                               | -1.6596    | -1.39                           |
| 1.755           | 1.62                               | -1.0731    | 0.55                            | 2.570           | 0.23                               | -1.6192    | -1.39                           |
| 1.785           | 1.36                               | -1.0731    | 0.29                            | 2.620           | 0.23                               | -1.8284    | -1.60                           |
| 1.800           | 1.39                               | -1.0731    | 0.32                            | 2.655           | 0.44                               | -1.6175    | -1.18                           |
| 1.840           | 0.55                               | -1.0731    | -0.52                           | 2.690           | 0.28                               | -1.7905    | -1.51                           |

### 3.2 Description of Test Modes

For WLAN:

For 2.4GHz

11 channels are provided for 802.11b, 802.11g and 802.11n (HT20):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 1       | 2412MHz   | 7       | 2442MHz   |
| 2       | 2417MHz   | 8       | 2447MHz   |
| 3       | 2422MHz   | 9       | 2452MHz   |
| 4       | 2427MHz   | 10      | 2457MHz   |
| 5       | 2432MHz   | 11      | 2462MHz   |
| 6       | 2437MHz   |         |           |

7 channels are provided for 802.11n (HT40):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 3       | 2422MHz   | 7       | 2442MHz   |
| 4       | 2427MHz   | 8       | 2447MHz   |
| 5       | 2432MHz   | 9       | 2452MHz   |
| 6       | 2437MHz   |         |           |

For 5GHz

5180 ~ 5240MHz:

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 36      | 5180 MHz  | 44      | 5220 MHz  |
| 40      | 5200 MHz  | 48      | 5240 MHz  |

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 38      | 5190 MHz  | 46      | 5230 MHz  |

1 channel is provided for 802.11ac (VHT80):

| Channel | Frequency |
|---------|-----------|
| 42      | 5210MHz   |

#### 5745 ~ 5825MHz:

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 149     | 5745MHz   | 161     | 5805MHz   |
| 153     | 5765MHz   | 165     | 5825MHz   |
| 157     | 5785MHz   |         |           |

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 151     | 5755MHz   | 159     | 5795MHz   |

1 channel is provided for 802.11ac (VHT80):

| Channel | Frequency |
|---------|-----------|
| 155     | 5775MHz   |

#### For Bluetooth EDR:

79 channels are provided to this EUT:

| Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| 0       | 2402        | 20      | 2422        | 40      | 2442        | 60      | 2462        |
| 1       | 2403        | 21      | 2423        | 41      | 2443        | 61      | 2463        |
| 2       | 2404        | 22      | 2424        | 42      | 2444        | 62      | 2464        |
| 3       | 2405        | 23      | 2425        | 43      | 2445        | 63      | 2465        |
| 4       | 2406        | 24      | 2426        | 44      | 2446        | 64      | 2466        |
| 5       | 2407        | 25      | 2427        | 45      | 2447        | 65      | 2467        |
| 6       | 2408        | 26      | 2428        | 46      | 2448        | 66      | 2468        |
| 7       | 2409        | 27      | 2429        | 47      | 2449        | 67      | 2469        |
| 8       | 2410        | 28      | 2430        | 48      | 2450        | 68      | 2470        |
| 9       | 2411        | 29      | 2431        | 49      | 2451        | 69      | 2471        |
| 10      | 2412        | 30      | 2432        | 50      | 2452        | 70      | 2472        |
| 11      | 2413        | 31      | 2433        | 51      | 2453        | 71      | 2473        |
| 12      | 2414        | 32      | 2434        | 52      | 2454        | 72      | 2474        |
| 13      | 2415        | 33      | 2435        | 53      | 2455        | 73      | 2475        |
| 14      | 2416        | 34      | 2436        | 54      | 2456        | 74      | 2476        |
| 15      | 2417        | 35      | 2437        | 55      | 2457        | 75      | 2477        |
| 16      | 2418        | 36      | 2438        | 56      | 2458        | 76      | 2478        |
| 17      | 2419        | 37      | 2439        | 57      | 2459        | 77      | 2479        |
| 18      | 2420        | 38      | 2440        | 58      | 2460        | 78      | 2480        |
| 19      | 2421        | 39      | 2441        | 59      | 2461        |         |             |

#### For Bluetooth LE:

40 channels are provided to this EUT:

| Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| 0       | 2402        | 10      | 2422        | 20      | 2442        | 30      | 2462        |
| 1       | 2404        | 11      | 2424        | 21      | 2444        | 31      | 2464        |
| 2       | 2406        | 12      | 2426        | 22      | 2446        | 32      | 2466        |
| 3       | 2408        | 13      | 2428        | 23      | 2448        | 33      | 2468        |
| 4       | 2410        | 14      | 2430        | 24      | 2450        | 34      | 2470        |
| 5       | 2412        | 15      | 2432        | 25      | 2452        | 35      | 2472        |
| 6       | 2414        | 16      | 2434        | 26      | 2454        | 36      | 2474        |
| 7       | 2416        | 17      | 2436        | 27      | 2456        | 37      | 2476        |
| 8       | 2418        | 18      | 2438        | 28      | 2458        | 38      | 2478        |
| 9       | 2420        | 19      | 2440        | 29      | 2460        | 39      | 2480        |

### 3.2.1 Test Mode Applicability and Tested Channel Detail

| EUT Configure Mode | Applicable to |       | Description |
|--------------------|---------------|-------|-------------|
|                    | RE $\geq$ 1G  | RE<1G |             |
| -                  | √             | √     | -           |

Where RE $\geq$ 1G: Radiated Emission above 1GHz & Bandedge Measurement RE<1G: Radiated Emission below 1GHz

Note:

1. The EUT had been pre-tested on the positioned of X-plane & Z-plane. The worst cases were found when positioned on X-plane.

#### Radiated Emission Test (Above 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE                                              | FREQ. RANGE (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL   | MODULATION TECHNOLOGY |
|--------------------|---------------------------------------------------|-------------------|-------------------|------------------|-----------------------|
| 1                  | 802.11g + Bluetooth EDR + LTE Band 26 (BW: 15MHz) | 2412 ~ 2462       | 1 to 11           | 6 + 78 + 26865   | BPSK                  |
|                    |                                                   | 2402 ~ 2480       | 0 to 78           |                  | GFSK                  |
|                    |                                                   | 821.5 ~ 841.5     | 26740 to 26990    |                  | QPSK                  |
| 2                  | 802.11g + Bluetooth LE + LTE Band 26 (BW: 15MHz)  | 2412 ~ 2462       | 1 to 11           | 6 + 0 + 26865    | BPSK                  |
|                    |                                                   | 2402 ~ 2480       | 0 to 39           |                  | GFSK                  |
|                    |                                                   | 821.5 ~ 841.5     | 26740 to 26990    |                  | QPSK                  |
| 3                  | 802.11a + Bluetooth EDR + LTE Band 26 (BW: 15MHz) | 5745 ~ 5825       | 149 to 165        | 149 + 78 + 26865 | BPSK                  |
|                    |                                                   | 2402 ~ 2480       | 0 to 78           |                  | GFSK                  |
|                    |                                                   | 821.5 ~ 841.5     | 26740 to 26990    |                  | QPSK                  |
| 4                  | 802.11a + Bluetooth LE + LTE Band 26 (BW: 15MHz)  | 5745 ~ 5825       | 149 to 165        | 149 + 0 + 26865  | BPSK                  |
|                    |                                                   | 2402 ~ 2480       | 0 to 39           |                  | GFSK                  |
|                    |                                                   | 821.5 ~ 841.5     | 26740 to 26990    |                  | QPSK                  |
| 5                  | 802.11g + Bluetooth EDR + LTE Band 25 (BW: 15MHz) | 2412 ~ 2462       | 1 to 11           | 6 + 78 + 26615   | BPSK                  |
|                    |                                                   | 2402 ~ 2480       | 0 to 78           |                  | GFSK                  |
|                    |                                                   | 1852.5 ~ 1912.5   | 26065 to 26665    |                  | QPSK                  |
| 6                  | 802.11g + Bluetooth LE + LTE Band 25 (BW: 15MHz)  | 2412 ~ 2462       | 1 to 11           | 6 + 0 + 26615    | BPSK                  |
|                    |                                                   | 2402 ~ 2480       | 0 to 39           |                  | GFSK                  |
|                    |                                                   | 1852.5 ~ 1912.5   | 26065 to 26665    |                  | QPSK                  |
| 7                  | 802.11a + Bluetooth EDR + LTE Band 25 (BW: 15MHz) | 5745 ~ 5825       | 149 to 165        | 149 + 78 + 26615 | BPSK                  |
|                    |                                                   | 2402 ~ 2480       | 0 to 78           |                  | GFSK                  |
|                    |                                                   | 1852.5 ~ 1912.5   | 26065 to 26665    |                  | QPSK                  |
| 8                  | 802.11a + Bluetooth LE + LTE Band 25 (BW: 15MHz)  | 5745 ~ 5825       | 149 to 165        | 149 + 0 + 26615  | BPSK                  |
|                    |                                                   | 2402 ~ 2480       | 0 to 39           |                  | GFSK                  |
|                    |                                                   | 1852.5 ~ 1912.5   | 26065 to 26665    |                  | QPSK                  |

| EUT<br>CONFIGURE<br>MODE | MODE                                                        | FREQ. RANGE (MHz) | AVAILABLE<br>CHANNEL | TESTED CHANNEL   | MODULATION<br>TECHNOLOGY |
|--------------------------|-------------------------------------------------------------|-------------------|----------------------|------------------|--------------------------|
| 9                        | 802.11g +<br>Bluetooth EDR +<br>LTE Band 12<br>(BW: 10MHz)  | 2412 ~ 2462       | 1 to 11              | 6 + 78 + 23095   | BPSK                     |
|                          |                                                             | 2402 ~ 2480       | 0 to 78              |                  | GFSK                     |
|                          |                                                             | 704.0 ~ 711.0     | 23017 to 23173       |                  | QPSK                     |
| 10                       | 802.11g +<br>Bluetooth LE +<br>LTE Band 12<br>(BW: 10MHz)   | 2412 ~ 2462       | 1 to 11              | 6 + 0 + 23095    | BPSK                     |
|                          |                                                             | 2402 ~ 2480       | 0 to 39              |                  | GFSK                     |
|                          |                                                             | 704.0 ~ 711.0     | 23017 to 23173       |                  | QPSK                     |
| 11                       | 802.11a +<br>Bluetooth EDR +<br>LTE Band 12<br>(BW: 10MHz)  | 5745 ~ 5825       | 149 to 165           | 149 + 78 + 23095 | BPSK                     |
|                          |                                                             | 2402 ~ 2480       | 0 to 78              |                  | GFSK                     |
|                          |                                                             | 704.0 ~ 711.0     | 23017 to 23173       |                  | QPSK                     |
| 12                       | 802.11a +<br>Bluetooth LE +<br>LTE Band 12<br>(BW: 10MHz)   | 5745 ~ 5825       | 149 to 165           | 149 + 0 + 23095  | BPSK                     |
|                          |                                                             | 2402 ~ 2480       | 0 to 39              |                  | GFSK                     |
|                          |                                                             | 704.0 ~ 711.0     | 23017 to 23173       |                  | QPSK                     |
| 13                       | 802.11g +<br>Bluetooth EDR +<br>LTE Band 26<br>(BW: 1.4MHz) | 2412 ~ 2462       | 1 to 11              | 6 + 78 + 26697   | BPSK                     |
|                          |                                                             | 2402 ~ 2480       | 0 to 78              |                  | GFSK                     |
|                          |                                                             | 814.7 ~ 848.3     | 26765 to 26965       |                  | QPSK                     |
| 14                       | 802.11g +<br>Bluetooth LE +<br>LTE Band 26<br>(BW: 1.4MHz)  | 2412 ~ 2462       | 1 to 11              | 6 + 0 + 26697    | BPSK                     |
|                          |                                                             | 2402 ~ 2480       | 0 to 39              |                  | GFSK                     |
|                          |                                                             | 814.7 ~ 848.3     | 26765 to 26965       |                  | QPSK                     |
| 15                       | 802.11a +<br>Bluetooth EDR +<br>LTE Band 26<br>(BW: 1.4MHz) | 5745 ~ 5825       | 149 to 165           | 149 + 78 + 26697 | BPSK                     |
|                          |                                                             | 2402 ~ 2480       | 0 to 78              |                  | GFSK                     |
|                          |                                                             | 814.7 ~ 848.3     | 26765 to 26965       |                  | QPSK                     |
| 16                       | 802.11a +<br>Bluetooth LE +<br>LTE Band 26<br>(BW: 1.4MHz)  | 5745 ~ 5825       | 149 to 165           | 149 + 0 + 26697  | BPSK                     |
|                          |                                                             | 2402 ~ 2480       | 0 to 39              |                  | GFSK                     |
|                          |                                                             | 814.7 ~ 848.3     | 26765 to 26965       |                  | QPSK                     |

\*The above test mode was found to be the worst cases test mode and had been chosen for final test.

**Radiated Emission Test (Below 1GHz):**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT<br>CONFIGURE<br>MODE | MODE                                                       | FREQ. RANGE (MHz) | AVAILABLE<br>CHANNEL | TESTED CHANNEL   | MODULATION<br>TECHNOLOGY |
|--------------------------|------------------------------------------------------------|-------------------|----------------------|------------------|--------------------------|
| 1                        | 802.11g +<br>Bluetooth EDR +<br>LTE Band 26<br>(BW: 15MHz) | 2412 ~ 2462       | 1 to 11              | 6 + 78 + 26865   | BPSK                     |
|                          |                                                            | 2402 ~ 2480       | 0 to 78              |                  | GFSK                     |
|                          |                                                            | 821.5 ~ 841.5     | 26740 to 26990       |                  | QPSK                     |
| 2                        | 802.11g +<br>Bluetooth LE +<br>LTE Band 26<br>(BW: 15MHz)  | 2412 ~ 2462       | 1 to 11              | 6 + 0 + 26865    | BPSK                     |
|                          |                                                            | 2402 ~ 2480       | 0 to 39              |                  | GFSK                     |
|                          |                                                            | 821.5 ~ 841.5     | 26740 to 26990       |                  | QPSK                     |
| 3                        | 802.11a +<br>Bluetooth EDR +<br>LTE Band 26<br>(BW: 15MHz) | 5745 ~ 5825       | 149 to 165           | 149 + 78 + 26865 | BPSK                     |
|                          |                                                            | 2402 ~ 2480       | 0 to 78              |                  | GFSK                     |
|                          |                                                            | 821.5 ~ 841.5     | 26740 to 26990       |                  | QPSK                     |
| 4                        | 802.11a +<br>Bluetooth LE +<br>LTE Band 26<br>(BW: 15MHz)  | 5745 ~ 5825       | 149 to 165           | 149 + 0 + 26865  | BPSK                     |
|                          |                                                            | 2402 ~ 2480       | 0 to 39              |                  | GFSK                     |
|                          |                                                            | 821.5 ~ 841.5     | 26740 to 26990       |                  | QPSK                     |
| 5                        | 802.11g +<br>Bluetooth EDR +<br>LTE Band 25<br>(BW: 15MHz) | 2412 ~ 2462       | 1 to 11              | 6 + 78 + 26615   | BPSK                     |
|                          |                                                            | 2402 ~ 2480       | 0 to 78              |                  | GFSK                     |
|                          |                                                            | 1852.5 ~ 1912.5   | 26065 to 26665       |                  | QPSK                     |
| 6                        | 802.11g +<br>Bluetooth LE +<br>LTE Band 25<br>(BW: 15MHz)  | 2412 ~ 2462       | 1 to 11              | 6 + 0 + 26615    | BPSK                     |
|                          |                                                            | 2402 ~ 2480       | 0 to 39              |                  | GFSK                     |
|                          |                                                            | 1852.5 ~ 1912.5   | 26065 to 26665       |                  | QPSK                     |
| 7                        | 802.11a +<br>Bluetooth EDR +<br>LTE Band 25<br>(BW: 15MHz) | 5745 ~ 5825       | 149 to 165           | 149 + 78 + 26615 | BPSK                     |
|                          |                                                            | 2402 ~ 2480       | 0 to 78              |                  | GFSK                     |
|                          |                                                            | 1852.5 ~ 1912.5   | 26065 to 26665       |                  | QPSK                     |
| 8                        | 802.11a +<br>Bluetooth LE +<br>LTE Band 25<br>(BW: 15MHz)  | 5745 ~ 5825       | 149 to 165           | 149 + 0 + 26615  | BPSK                     |
|                          |                                                            | 2402 ~ 2480       | 0 to 39              |                  | GFSK                     |
|                          |                                                            | 1852.5 ~ 1912.5   | 26065 to 26665       |                  | QPSK                     |

| EUT CONFIGURE MODE | MODE                                                        | FREQ. RANGE (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL   | MODULATION TECHNOLOGY |
|--------------------|-------------------------------------------------------------|-------------------|-------------------|------------------|-----------------------|
| 9                  | 802.11g +<br>Bluetooth EDR +<br>LTE Band 12<br>(BW: 10MHz)  | 2412 ~ 2462       | 1 to 11           | 6 + 78 + 23095   | BPSK                  |
|                    |                                                             | 2402 ~ 2480       | 0 to 78           |                  | GFSK                  |
|                    |                                                             | 704.0 ~ 711.0     | 23017 to 23173    |                  | QPSK                  |
| 10                 | 802.11g +<br>Bluetooth LE +<br>LTE Band 12<br>(BW: 10MHz)   | 2412 ~ 2462       | 1 to 11           | 6 + 0 + 23095    | BPSK                  |
|                    |                                                             | 2402 ~ 2480       | 0 to 39           |                  | GFSK                  |
|                    |                                                             | 704.0 ~ 711.0     | 23017 to 23173    |                  | QPSK                  |
| 11                 | 802.11a +<br>Bluetooth EDR +<br>LTE Band 12<br>(BW: 10MHz)  | 5745 ~ 5825       | 149 to 165        | 149 + 78 + 23095 | BPSK                  |
|                    |                                                             | 2402 ~ 2480       | 0 to 78           |                  | GFSK                  |
|                    |                                                             | 704.0 ~ 711.0     | 23017 to 23173    |                  | QPSK                  |
| 12                 | 802.11a +<br>Bluetooth LE +<br>LTE Band 12<br>(BW: 10MHz)   | 5745 ~ 5825       | 149 to 165        | 149 + 0 + 23095  | BPSK                  |
|                    |                                                             | 2402 ~ 2480       | 0 to 39           |                  | GFSK                  |
|                    |                                                             | 704.0 ~ 711.0     | 23017 to 23173    |                  | QPSK                  |
| 13                 | 802.11g +<br>Bluetooth EDR +<br>LTE Band 26<br>(BW: 1.4MHz) | 2412 ~ 2462       | 1 to 11           | 6 + 78 + 26697   | BPSK                  |
|                    |                                                             | 2402 ~ 2480       | 0 to 78           |                  | GFSK                  |
|                    |                                                             | 814.7 ~ 848.3     | 26765 to 26965    |                  | QPSK                  |
| 14                 | 802.11g +<br>Bluetooth LE +<br>LTE Band 26<br>(BW: 1.4MHz)  | 2412 ~ 2462       | 1 to 11           | 6 + 0 + 26697    | BPSK                  |
|                    |                                                             | 2402 ~ 2480       | 0 to 39           |                  | GFSK                  |
|                    |                                                             | 814.7 ~ 848.3     | 26765 to 26965    |                  | QPSK                  |
| 15                 | 802.11a +<br>Bluetooth EDR +<br>LTE Band 26<br>(BW: 1.4MHz) | 5745 ~ 5825       | 149 to 165        | 149 + 78 + 26697 | BPSK                  |
|                    |                                                             | 2402 ~ 2480       | 0 to 78           |                  | GFSK                  |
|                    |                                                             | 814.7 ~ 848.3     | 26765 to 26965    |                  | QPSK                  |
| 16                 | 802.11a +<br>Bluetooth LE +<br>LTE Band 26<br>(BW: 1.4MHz)  | 5745 ~ 5825       | 149 to 165        | 149 + 0 + 26697  | BPSK                  |
|                    |                                                             | 2402 ~ 2480       | 0 to 39           |                  | GFSK                  |
|                    |                                                             | 814.7 ~ 848.3     | 26765 to 26965    |                  | QPSK                  |

\*The above test mode was found to be the worst cases test mode and had been chosen for final test.

#### Test Condition:

| Applicable to | Environmental Conditions               | Input Power  | Tested by  |
|---------------|----------------------------------------|--------------|------------|
| RE $\geq$ 1G  | 21 deg. C, 67% RH<br>22 deg. C, 66% RH | 120Vac, 60Hz | Adair Peng |
| RE<1G         | 21 deg. C, 67% RH                      | 120Vac, 60Hz | Adair Peng |

### 3.3 Configuration of System under Test

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

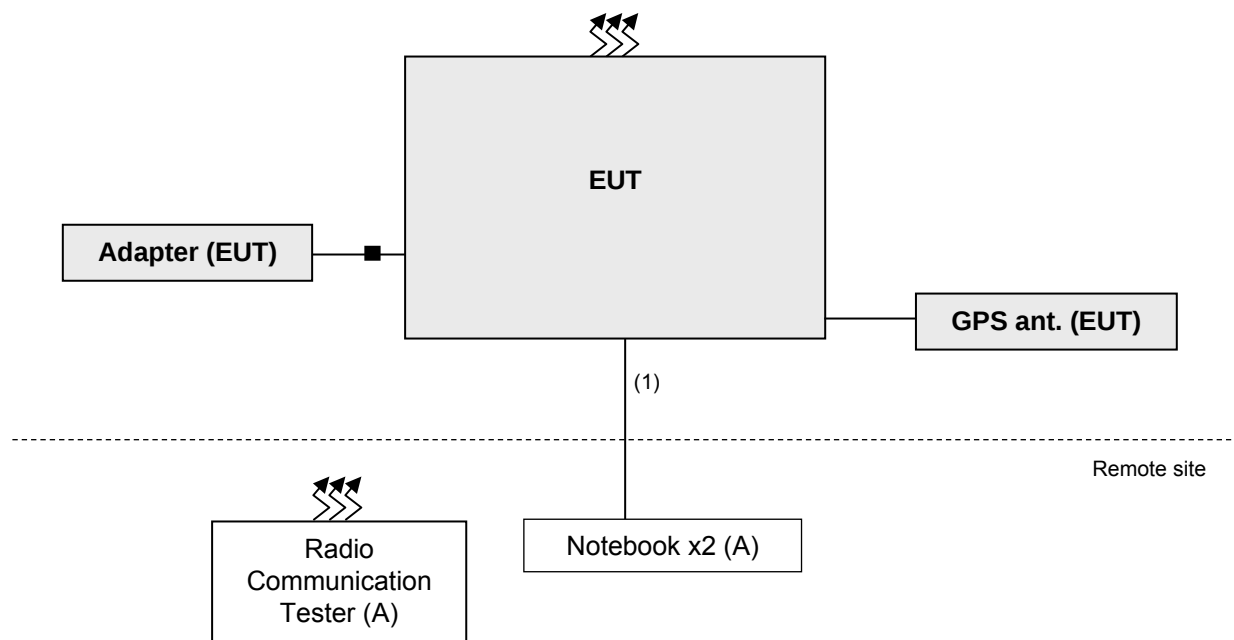
| ID | Product                    | Brand   | Model No. | Serial No. | FCC ID           | Remarks |
|----|----------------------------|---------|-----------|------------|------------------|---------|
| A. | Notebook                   | DELL    | E5410     | 1HC2XM1    | FCC DoC Approved | -       |
|    | Notebook                   | DELL    | E5520     | 8Y4DMQ1    | FCC DoC Approved | -       |
| B. | Radio Communication Tester | Anritsu | MT8820C   | 6201010284 | NA               | -       |

Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Items A, B acted as communication partners to transfer data.

| ID | Descriptions | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks |
|----|--------------|------|------------|--------------------|--------------|---------|
| 1. | RJ45 Cable   | 2    | 6          | N                  | 0            | -       |

#### 3.3.1 Configuration of System under Test



### 3.4 General Description of Applied Standards

The EUT is a RF Product. According to the specification of the EUT declared by the manufacturer, it must comply with the requirements of the following standards:

**FCC Part 15, Subpart C (15.247)**

**FCC Part 15, Subpart E (15.407)**

**FCC Part 22, Subpart H**

**FCC Part 24, Subpart E**

**FCC Part 27, Subpart C, D, F, H, L, M**

**FCC Part 90, Subpart S**

ANSI C63.10:2013

ANSI C63.26:2015

All test items have been performed and recorded as per the above standards.

## 4 Test Types and Results

### 4.1 Radiated Emission and Bandedge Measurement

#### 4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

FCC PART 15.209:

| Frequencies (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|-------------------|-----------------------------------|-------------------------------|
| 0.009 ~ 0.490     | 2400/F(kHz)                       | 300                           |
| 0.490 ~ 1.705     | 24000/F(kHz)                      | 30                            |
| 1.705 ~ 30.0      | 30                                | 30                            |
| 30 ~ 88           | 100                               | 3                             |
| 88 ~ 216          | 150                               | 3                             |
| 216 ~ 960         | 200                               | 3                             |
| Above 960         | 500                               | 3                             |

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

| Applicable To                                                                                    |                                     |                  | Limit                                                                                                                                   |                                                                                                                                             |
|--------------------------------------------------------------------------------------------------|-------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 789033 D02 General UNII Test Procedure<br>New Rules v02r01                                       |                                     |                  | Field Strength at 3m                                                                                                                    |                                                                                                                                             |
|                                                                                                  |                                     |                  | PK: 74 (dBµV/m)                                                                                                                         | AV: 54 (dBµV/m)                                                                                                                             |
| Frequency Band                                                                                   | Applicable To                       |                  | EIRP Limit                                                                                                                              | Equivalent Field Strength at 3m                                                                                                             |
| 5150~5250 MHz                                                                                    | 15.407(b)(1)                        |                  | PK: -27 (dBm/MHz)                                                                                                                       | PK: 68.2(dBµV/m)                                                                                                                            |
| 5250~5350 MHz                                                                                    | 15.407(b)(2)                        |                  |                                                                                                                                         |                                                                                                                                             |
| 5470~5725 MHz                                                                                    | 15.407(b)(3)                        |                  |                                                                                                                                         |                                                                                                                                             |
| 5725~5850 MHz                                                                                    | <input checked="" type="checkbox"/> | 15.407(b)(4)(i)  | PK: -27 (dBm/MHz) <sup>*1</sup><br>PK: 10 (dBm/MHz) <sup>*2</sup><br>PK: 15.6 (dBm/MHz) <sup>*3</sup><br>PK: 27 (dBm/MHz) <sup>*4</sup> | PK: 68.2 (dBµV/m) <sup>*1</sup><br>PK: 105.2 (dBµV/m) <sup>*2</sup><br>PK: 110.8 (dBµV/m) <sup>*3</sup><br>PK: 122.2 (dBµV/m) <sup>*4</sup> |
|                                                                                                  | <input type="checkbox"/>            | 15.407(b)(4)(ii) | Emission limits in section 15.247(d)                                                                                                    |                                                                                                                                             |
| <sup>*1</sup> beyond 75 MHz or more above of the band edge.                                      |                                     |                  | <sup>*2</sup> below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.                                                    |                                                                                                                                             |
| <sup>*3</sup> below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. |                                     |                  | <sup>*4</sup> from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.                    |                                                                                                                                             |

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000 \sqrt{30 P}}{3} \mu\text{V/m, where } P \text{ is the eirp (Watts).}$$

#### 4.1.2 Test Instruments

| Description & Manufacturer                       | Model No.                             | Serial No.                      | Cal. Date     | Cal. Due      |
|--------------------------------------------------|---------------------------------------|---------------------------------|---------------|---------------|
| Test Receiver<br>ROHDE & SCHWARZ                 | ESCI                                  | 100424                          | Jan. 03, 2019 | Jan. 02, 2020 |
| Spectrum Analyzer<br>ROHDE & SCHWARZ             | FSP40                                 | 10040                           | Sep. 25, 2018 | Sep. 24, 2019 |
| BILOG Antenna<br>SCHWARZBECK                     | VULB9168                              | 9168-171                        | Nov. 22, 2018 | Nov. 21, 2019 |
| HORN Antenna<br>SCHWARZBECK                      | 9120D                                 | 209                             | Nov. 25, 2018 | Nov. 24, 2019 |
| HORN Antenna<br>SCHWARZBECK                      | BBHA 9170                             | BBHA9170241                     | Nov. 25, 2018 | Nov. 24, 2019 |
| Loop Antenna<br>EMCI                             | EM-6879                               | 269                             | Sep. 07, 2018 | Sep. 06, 2019 |
| Preamplifier<br>Agilent<br>(Below 1GHz)          | 8447D                                 | 2944A10738                      | Aug. 21, 2018 | Aug. 20, 2019 |
| Preamplifier<br>Agilent<br>(Above 1GHz)          | 8449B                                 | 3008A02465                      | Mar. 27, 2019 | Mar. 26, 2020 |
| RF signal cable<br>HUBER+SUHNER                  | SUCOFLEX 104                          | Cable-CH3-03<br>(223653/4)      | Aug. 21, 2018 | Aug. 20, 2019 |
| RF signal cable<br>HUBER+SUHNER&<br>EMCI         | SUCOFLEX<br>104&EMC104-SM-<br>SM-8000 | Cable-CH3-03<br>(309224+170907) | Aug. 21, 2018 | Aug. 20, 2019 |
| Software<br>BV ADT                               | ADT_Radiated_<br>V7.6.15.9.5          | NA                              | NA            | NA            |
| Antenna Tower<br>inn-co GmbH                     | MA 4000                               | 013303                          | NA            | NA            |
| Antenna Tower Controller<br>BV ADT               | AT100                                 | AT93021702                      | NA            | NA            |
| Turn Table<br>BV ADT                             | TT100                                 | TT93021702                      | NA            | NA            |
| Turn Table Controller<br>BV ADT                  | SC100                                 | SC93021702                      | NA            | NA            |
| Boresight Antenna Fixture                        | FBA-01                                | FBA-SIP01                       | NA            | NA            |
| Pre-amplifier (18GHz-40GHz)<br>EMC               | EMC184045B                            | 980175                          | Nov. 14, 2018 | Nov. 13, 2019 |
| WIT Standard Temperature<br>And Humidity Chamber | TH-4S-C                               | W981030                         | Jun. 03, 2019 | Jun. 02, 2020 |
| JFW 20dB attenuation                             | 50HF-020-SMA                          | NA                              | NA            | NA            |
| True RMS Clamp Meter<br>Fluke                    | 325                                   | 31130711WS                      | May 21, 2019  | May 20, 2020  |

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
2. The test was performed in HwaYa Chamber 3.

#### 4.1.3 Test Procedures

##### For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

##### For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

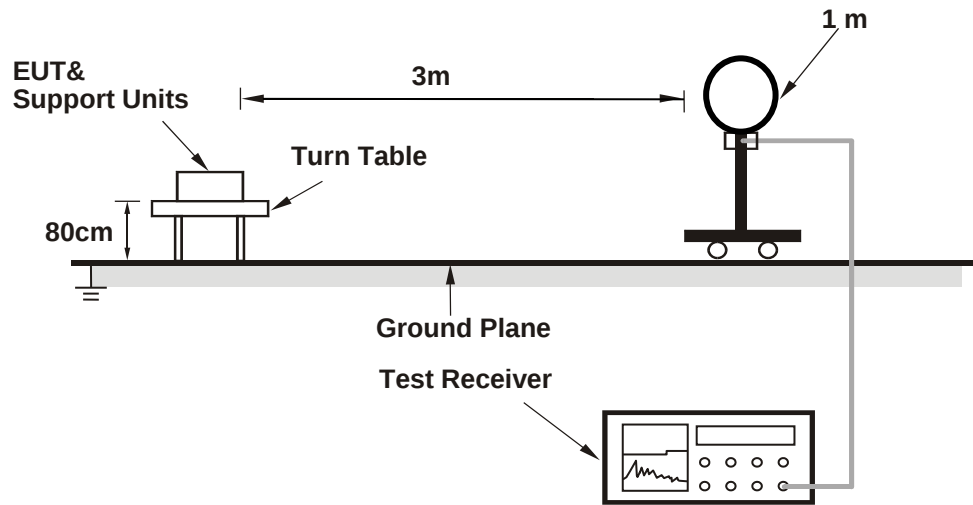
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle < 98%) or 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

#### 4.1.4 Deviation from Test Standard

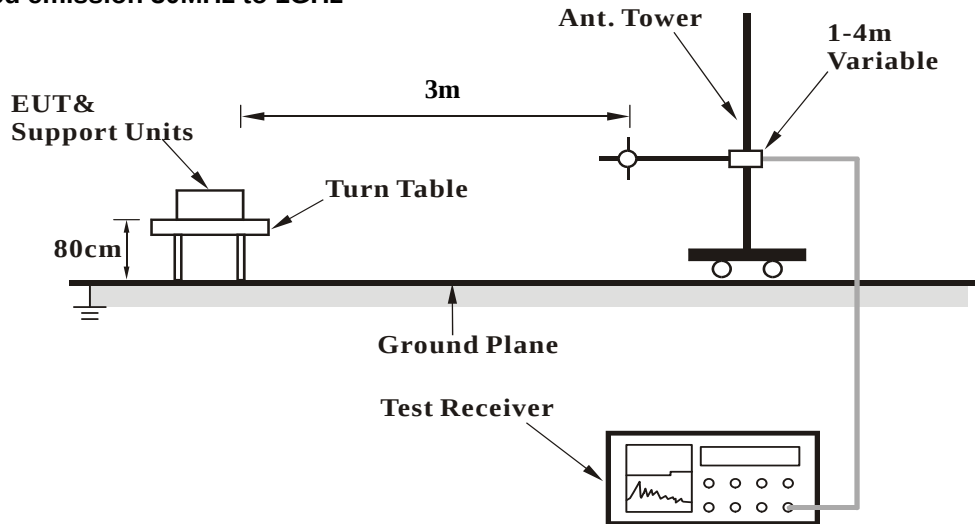
No deviation.

#### 4.1.5 Test Setup

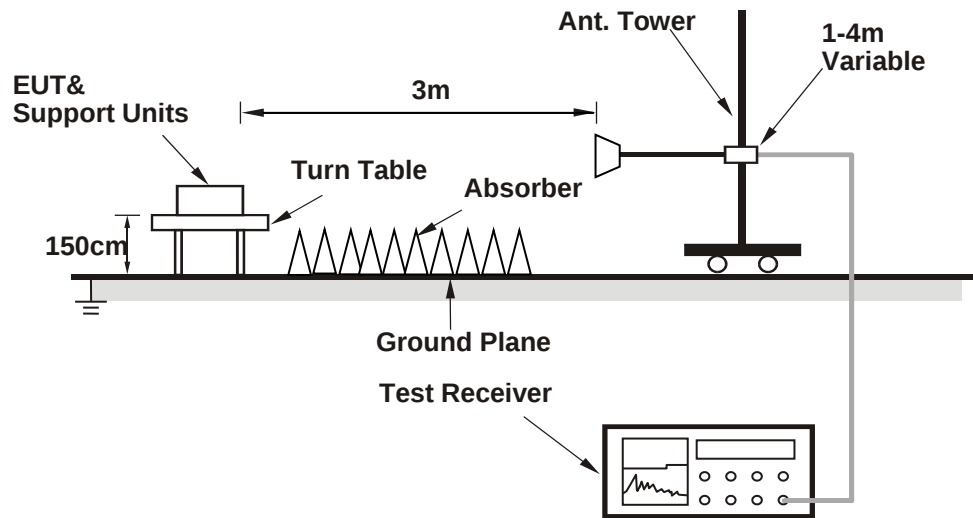
##### For Radiated emission below 30MHz



##### For Radiated emission 30MHz to 1GHz



#### For Radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

#### 4.1.6 EUT Operating Conditions

- Set the EUT under transmission condition continuously at specific channel frequency.

#### 4.1.7 Test Results

Above 1GHz data:

Mode 1

802.11g, CH 6 + Bluetooth EDR, CH 78 + LTE Band 26, CH 26865

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 25GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 2390.00     | 64.0 PK                 | 74.0           | -10.0       | 3.84 H             | 303                  | 31.1             | 32.9                     |
| 2                                                   | 2390.00     | 50.2 AV                 | 54.0           | -3.8        | 3.84 H             | 303                  | 17.3             | 32.9                     |
| 3                                                   | *2437.00    | 111.9 PK                |                |             | 3.90 H             | 315                  | 79.0             | 32.9                     |
| 4                                                   | *2437.00    | 100.3 AV                |                |             | 3.90 H             | 315                  | 67.4             | 32.9                     |
| 5                                                   | *2480.00    | 84.9 PK                 |                |             | 3.73 H             | 233                  | 51.9             | 33.0                     |
| 6                                                   | *2480.00    | 80.7 AV                 |                |             | 3.73 H             | 233                  | 47.7             | 33.0                     |
| 7                                                   | 2483.50     | 63.3 PK                 | 74.0           | -10.7       | 3.91 H             | 311                  | 30.3             | 33.0                     |
| 8                                                   | 2483.50     | 48.9 AV                 | 54.0           | -5.1        | 3.91 H             | 311                  | 15.9             | 33.0                     |
| 9                                                   | 4874.00     | 47.8 PK                 | 74.0           | -26.2       | 1.75 H             | 199                  | 43.8             | 4.0                      |
| 10                                                  | 4874.00     | 34.9 AV                 | 54.0           | -19.1       | 1.75 H             | 199                  | 30.9             | 4.0                      |
| 11                                                  | 4960.00     | 47.8 PK                 | 74.0           | -26.2       | 1.91 H             | 209                  | 43.3             | 4.5                      |
| 12                                                  | 4960.00     | 38.8 AV                 | 54.0           | -15.2       | 1.91 H             | 209                  | 34.3             | 4.5                      |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |             |                         |                |             |                    |                      |                  |                          |
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 2390.00     | 72.6 PK                 | 74.0           | -1.4        | 1.59 V             | 177                  | 39.7             | 32.9                     |
| 2                                                   | 2390.00     | 53.6 AV                 | 54.0           | -0.4        | 1.59 V             | 177                  | 20.7             | 32.9                     |
| 3                                                   | *2437.00    | 119.8 PK                |                |             | 1.51 V             | 166                  | 86.9             | 32.9                     |
| 4                                                   | *2437.00    | 109.1 AV                |                |             | 1.51 V             | 166                  | 76.2             | 32.9                     |
| 5                                                   | *2480.00    | 93.7 PK                 |                |             | 1.61 V             | 33                   | 60.7             | 33.0                     |
| 6                                                   | *2480.00    | 93.0 AV                 |                |             | 1.61 V             | 33                   | 60.0             | 33.0                     |
| 7                                                   | 2483.50     | 73.1 PK                 | 74.0           | -0.9        | 1.68 V             | 155                  | 40.1             | 33.0                     |
| 8                                                   | 2483.50     | 53.0 AV                 | 54.0           | -1.0        | 1.68 V             | 155                  | 20.0             | 33.0                     |
| 9                                                   | 4874.00     | 48.9 PK                 | 74.0           | -25.1       | 1.91 V             | 309                  | 44.9             | 4.0                      |
| 10                                                  | 4874.00     | 35.5 AV                 | 54.0           | -18.5       | 1.91 V             | 309                  | 31.5             | 4.0                      |
| 11                                                  | 4960.00     | 53.5 PK                 | 74.0           | -20.5       | 1.31 V             | 303                  | 49.0             | 4.5                      |
| 12                                                  | 4960.00     | 47.0 AV                 | 54.0           | -7.0        | 1.31 V             | 303                  | 42.5             | 4.5                      |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 831.00      | -17.25        | 15.05                 | 0.17                   | 15.22     | 38.45       | -23.23      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 831.00      | -13.13        | 20.03                 | 0.17                   | 20.20     | 38.45       | -18.25      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1662.00     | -65.20        | -68.56                | 5.51                   | -63.05    | -13.00      | -50.05      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1662.00     | -63.30        | -65.45                | 5.51                   | -59.94    | -13.00      | -46.94      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

## Mode 2

802.11g, CH 6 + Bluetooth LE, CH 0 + LTE Band 26, CH 26865

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 25GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 2390.00     | 64.4 PK                 | 74.0           | -9.6        | 3.88 H             | 309                  | 31.5             | 32.9                     |
| 2                                                   | 2390.00     | 50.3 AV                 | 54.0           | -3.7        | 3.88 H             | 309                  | 17.4             | 32.9                     |
| 3                                                   | *2402.00    | 90.1 PK                 |                |             | 1.50 H             | 20                   | 57.2             | 32.9                     |
| 4                                                   | *2402.00    | 89.4 AV                 |                |             | 1.50 H             | 20                   | 56.5             | 32.9                     |
| 5                                                   | *2437.00    | 111.7 PK                |                |             | 3.91 H             | 317                  | 78.8             | 32.9                     |
| 6                                                   | *2437.00    | 100.4 AV                |                |             | 3.91 H             | 317                  | 67.5             | 32.9                     |
| 7                                                   | 2483.50     | 63.5 PK                 | 74.0           | -10.5       | 3.87 H             | 320                  | 30.5             | 33.0                     |
| 8                                                   | 2483.50     | 49.0 AV                 | 54.0           | -5.0        | 3.87 H             | 320                  | 16.0             | 33.0                     |
| 9                                                   | 4804.00     | 49.9 PK                 | 74.0           | -24.1       | 3.53 H             | 101                  | 46.3             | 3.6                      |
| 10                                                  | 4804.00     | 46.1 AV                 | 54.0           | -7.9        | 3.53 H             | 101                  | 42.5             | 3.6                      |
| 11                                                  | 4874.00     | 48.0 PK                 | 74.0           | -26.0       | 1.80 H             | 202                  | 44.0             | 4.0                      |
| 12                                                  | 4874.00     | 35.1 AV                 | 54.0           | -18.9       | 1.80 H             | 202                  | 31.1             | 4.0                      |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|---------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                               | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                 | 2390.00     | 72.8 PK                 | 74.0           | -1.2        | 1.61 V             | 180                  | 39.9             | 32.9                     |
| 2                                                 | 2390.00     | 53.7 AV                 | 54.0           | -0.3        | 1.61 V             | 180                  | 20.8             | 32.9                     |
| 3                                                 | *2402.00    | 98.0 PK                 |                |             | 1.51 V             | 47                   | 65.1             | 32.9                     |
| 4                                                 | *2402.00    | 97.2 AV                 |                |             | 1.51 V             | 47                   | 64.3             | 32.9                     |
| 5                                                 | *2437.00    | 119.5 PK                |                |             | 1.55 V             | 170                  | 86.6             | 32.9                     |
| 6                                                 | *2437.00    | 108.9 AV                |                |             | 1.55 V             | 170                  | 76.0             | 32.9                     |
| 7                                                 | 2483.50     | 72.9 PK                 | 74.0           | -1.1        | 1.70 V             | 160                  | 39.9             | 33.0                     |
| 8                                                 | 2483.50     | 52.9 AV                 | 54.0           | -1.1        | 1.70 V             | 160                  | 19.9             | 33.0                     |
| 9                                                 | 4804.00     | 53.5 PK                 | 74.0           | -20.5       | 1.33 V             | 339                  | 49.9             | 3.6                      |
| 10                                                | 4804.00     | 49.5 AV                 | 54.0           | -4.5        | 1.33 V             | 339                  | 45.9             | 3.6                      |
| 11                                                | 4874.00     | 48.8 PK                 | 74.0           | -25.2       | 1.95 V             | 310                  | 44.8             | 4.0                      |
| 12                                                | 4874.00     | 35.3 AV                 | 54.0           | -18.7       | 1.95 V             | 310                  | 31.3             | 4.0                      |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 831.00      | -17.31        | 14.99                 | 0.17                   | 15.16     | 38.45       | -23.29      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 831.00      | -13.05        | 20.11                 | 0.17                   | 20.28     | 38.45       | -18.17      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1662.00     | -65.00        | -68.36                | 5.51                   | -62.85    | -13.00      | -49.85      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1662.00     | -63.42        | -65.57                | 5.51                   | -60.06    | -13.00      | -47.06      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

### Mode 3

802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 26, CH 26865

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2480.00       | 85.0 PK                       |                   |                | 3.77 H                   | 240                        | 52.0                   | 33.0                           |
| 2                                                   | *2480.00       | 80.8 AV                       |                   |                | 3.77 H                   | 240                        | 47.8                   | 33.0                           |
| 3                                                   | 2483.50        | 59.9 PK                       | 74.0              | -14.1          | 3.63 H                   | 250                        | 26.9                   | 33.0                           |
| 4                                                   | 2483.50        | 47.7 AV                       | 54.0              | -6.3           | 3.63 H                   | 250                        | 14.7                   | 33.0                           |
| 5                                                   | 4960.00        | 47.7 PK                       | 74.0              | -26.3          | 1.88 H                   | 211                        | 43.2                   | 4.5                            |
| 6                                                   | 4960.00        | 38.8 AV                       | 54.0              | -15.2          | 1.88 H                   | 211                        | 34.3                   | 4.5                            |
| 7                                                   | #5632.05       | 55.1 PK                       | 68.2              | -13.1          | 3.93 H                   | 216                        | 50.6                   | 4.5                            |
| 8                                                   | *5745.00       | 111.5 PK                      |                   |                | 3.93 H                   | 216                        | 71.4                   | 40.1                           |
| 9                                                   | *5745.00       | 99.8 AV                       |                   |                | 3.93 H                   | 216                        | 59.7                   | 40.1                           |
| 10                                                  | #5958.33       | 57.7 PK                       | 68.2              | -10.5          | 3.93 H                   | 216                        | 52.4                   | 5.3                            |
| 11                                                  | 11490.00       | 59.1 PK                       | 74.0              | -14.9          | 2.69 H                   | 222                        | 41.1                   | 18.0                           |
| 12                                                  | 11490.00       | 44.9 AV                       | 54.0              | -9.1           | 2.69 H                   | 222                        | 26.9                   | 18.0                           |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2480.00       | 93.8 PK                       |                   |                | 1.69 V                   | 35                         | 60.8                   | 33.0                           |
| 2                                                   | *2480.00       | 93.1 AV                       |                   |                | 1.69 V                   | 35                         | 60.1                   | 33.0                           |
| 3                                                   | 2483.50        | 24.5 PK                       | 74.0              | -49.5          | 1.70 V                   | 50                         | 27.3                   | -2.8                           |
| 4                                                   | 2483.50        | 12.1 AV                       | 54.0              | -41.9          | 1.70 V                   | 50                         | 14.9                   | -2.8                           |
| 5                                                   | 4960.00        | 53.3 PK                       | 74.0              | -20.7          | 1.33 V                   | 309                        | 48.8                   | 4.5                            |
| 6                                                   | 4960.00        | 47.1 AV                       | 54.0              | -6.9           | 1.33 V                   | 309                        | 42.6                   | 4.5                            |
| 7                                                   | #5645.51       | 56.7 PK                       | 68.2              | -11.5          | 1.81 V                   | 296                        | 52.2                   | 4.5                            |
| 8                                                   | *5745.00       | 117.9 PK                      |                   |                | 1.81 V                   | 296                        | 77.8                   | 40.1                           |
| 9                                                   | *5745.00       | 106.1 AV                      |                   |                | 1.81 V                   | 296                        | 66.0                   | 40.1                           |
| 10                                                  | #5961.54       | 57.5 PK                       | 68.2              | -10.7          | 1.81 V                   | 296                        | 52.2                   | 5.3                            |
| 11                                                  | 11490.00       | 60.5 PK                       | 74.0              | -13.5          | 2.03 V                   | 333                        | 42.5                   | 18.0                           |
| 12                                                  | 11490.00       | 45.7 AV                       | 54.0              | -8.3           | 2.03 V                   | 333                        | 27.7                   | 18.0                           |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 831.00      | -17.23        | 15.07                 | 0.17                   | 15.24     | 38.45       | -23.21      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 831.00      | -13.13        | 20.03                 | 0.17                   | 20.20     | 38.45       | -18.25      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1662.00     | -65.13        | -68.49                | 5.51                   | -62.98    | -13.00      | -49.98      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1662.00     | -63.25        | -65.40                | 5.51                   | -59.89    | -13.00      | -46.89      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

#### Mode 4

802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 26, CH 26865

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 60.6 PK                       | 74.0              | -13.4          | 1.61 H                   | 29                         | 27.7                   | 32.9                           |
| 2                                                   | 2390.00        | 48.2 AV                       | 54.0              | -5.8           | 1.61 H                   | 29                         | 15.3                   | 32.9                           |
| 3                                                   | *2402.00       | 90.2 PK                       |                   |                | 1.51 H                   | 22                         | 57.3                   | 32.9                           |
| 4                                                   | *2402.00       | 89.5 AV                       |                   |                | 1.51 H                   | 22                         | 56.6                   | 32.9                           |
| 5                                                   | 4804.00        | 50.1 PK                       | 74.0              | -23.9          | 3.50 H                   | 109                        | 46.5                   | 3.6                            |
| 6                                                   | 4804.00        | 46.2 AV                       | 54.0              | -7.8           | 3.50 H                   | 109                        | 42.6                   | 3.6                            |
| 7                                                   | #5632.11       | 55.2 PK                       | 68.2              | -13.0          | 3.90 H                   | 220                        | 50.7                   | 4.5                            |
| 8                                                   | *5745.00       | 111.6 PK                      |                   |                | 3.90 H                   | 220                        | 71.5                   | 40.1                           |
| 9                                                   | *5745.00       | 99.7 AV                       |                   |                | 3.90 H                   | 220                        | 59.6                   | 40.1                           |
| 10                                                  | #5958.37       | 57.8 PK                       | 68.2              | -10.4          | 3.90 H                   | 220                        | 52.5                   | 5.3                            |
| 11                                                  | 11490.00       | 59.2 PK                       | 74.0              | -14.8          | 2.71 H                   | 223                        | 41.2                   | 18.0                           |
| 12                                                  | 11490.00       | 45.0 AV                       | 54.0              | -9.0           | 2.71 H                   | 223                        | 27.0                   | 18.0                           |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 60.4 PK                       | 74.0              | -13.6          | 1.70 V                   | 60                         | 27.5                   | 32.9                           |
| 2                                                   | 2390.00        | 48.8 AV                       | 54.0              | -5.2           | 1.70 V                   | 60                         | 15.9                   | 32.9                           |
| 3                                                   | *2402.00       | 98.4 PK                       |                   |                | 1.66 V                   | 57                         | 65.5                   | 32.9                           |
| 4                                                   | *2402.00       | 97.4 AV                       |                   |                | 1.66 V                   | 57                         | 64.5                   | 32.9                           |
| 5                                                   | 4804.00        | 53.7 PK                       | 74.0              | -20.3          | 1.41 V                   | 343                        | 50.1                   | 3.6                            |
| 6                                                   | 4804.00        | 49.7 AV                       | 54.0              | -4.3           | 1.41 V                   | 343                        | 46.1                   | 3.6                            |
| 7                                                   | #5645.59       | 56.9 PK                       | 68.2              | -11.3          | 1.90 V                   | 300                        | 52.4                   | 4.5                            |
| 8                                                   | *5745.00       | 118.0 PK                      |                   |                | 1.90 V                   | 300                        | 77.9                   | 40.1                           |
| 9                                                   | *5745.00       | 107.4 AV                      |                   |                | 1.90 V                   | 300                        | 67.3                   | 40.1                           |
| 10                                                  | #5961.54       | 57.8 PK                       | 68.2              | -10.4          | 1.90 V                   | 300                        | 52.5                   | 5.3                            |
| 11                                                  | 11490.00       | 60.4 PK                       | 74.0              | -13.6          | 2.10 V                   | 336                        | 42.4                   | 18.0                           |
| 12                                                  | 11490.00       | 45.8 AV                       | 54.0              | -8.2           | 2.10 V                   | 336                        | 27.8                   | 18.0                           |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 831.00      | -17.30        | 15.00                 | 0.17                   | 15.17     | 38.45       | -23.28      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 831.00      | -13.10        | 20.06                 | 0.17                   | 20.23     | 38.45       | -18.22      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1662.00     | -65.37        | -68.73                | 5.51                   | -63.22    | -13.00      | -50.22      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1662.00     | -63.55        | -65.70                | 5.51                   | -60.19    | -13.00      | -47.19      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

# Mode 5

802.11g, CH 6 + Bluetooth EDR, CH 78 + LTE Band 25, CH 26615

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 25GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

## ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 2390.00        | 64.7 PK                       | 74.0              | -9.3           | 3.79 H                   | 310                        | 31.8                   | 32.9                           |
| 2   | 2390.00        | 50.5 AV                       | 54.0              | -3.5           | 3.79 H                   | 310                        | 17.6                   | 32.9                           |
| 3   | *2437.00       | 111.7 PK                      |                   |                | 3.91 H                   | 320                        | 78.8                   | 32.9                           |
| 4   | *2437.00       | 100.4 AV                      |                   |                | 3.91 H                   | 320                        | 67.5                   | 32.9                           |
| 5   | *2480.00       | 85.0 PK                       |                   |                | 3.69 H                   | 244                        | 52.0                   | 33.0                           |
| 6   | *2480.00       | 80.8 AV                       |                   |                | 3.69 H                   | 244                        | 47.8                   | 33.0                           |
| 7   | 2483.50        | 63.5 PK                       | 74.0              | -10.5          | 3.80 H                   | 306                        | 30.5                   | 33.0                           |
| 8   | 2483.50        | 49.0 AV                       | 54.0              | -5.0           | 3.80 H                   | 306                        | 16.0                   | 33.0                           |
| 9   | 4874.00        | 48.0 PK                       | 74.0              | -26.0          | 1.81 H                   | 205                        | 44.0                   | 4.0                            |
| 10  | 4874.00        | 35.1 AV                       | 54.0              | -18.9          | 1.81 H                   | 205                        | 31.1                   | 4.0                            |
| 11  | 4960.00        | 47.7 PK                       | 74.0              | -26.3          | 2.05 H                   | 211                        | 43.2                   | 4.5                            |
| 12  | 4960.00        | 38.6 AV                       | 54.0              | -15.4          | 2.05 H                   | 211                        | 34.1                   | 4.5                            |

## ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| NO. | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
|-----|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| 1   | 2390.00        | 72.4 PK                       | 74.0              | -1.6           | 1.61 V                   | 180                        | 39.5                   | 32.9                           |
| 2   | 2390.00        | 53.4 AV                       | 54.0              | -0.6           | 1.61 V                   | 180                        | 20.5                   | 32.9                           |
| 3   | *2437.00       | 119.7 PK                      |                   |                | 1.61 V                   | 170                        | 86.8                   | 32.9                           |
| 4   | *2437.00       | 108.9 AV                      |                   |                | 1.61 V                   | 170                        | 76.0                   | 32.9                           |
| 5   | *2480.00       | 93.9 PK                       |                   |                | 1.59 V                   | 43                         | 60.9                   | 33.0                           |
| 6   | *2480.00       | 92.9 AV                       |                   |                | 1.59 V                   | 43                         | 59.9                   | 33.0                           |
| 7   | 2483.50        | 73.2 PK                       | 74.0              | -0.8           | 1.70 V                   | 160                        | 40.2                   | 33.0                           |
| 8   | 2483.50        | 53.2 AV                       | 54.0              | -0.8           | 1.70 V                   | 160                        | 20.2                   | 33.0                           |
| 9   | 4874.00        | 48.7 PK                       | 74.0              | -25.3          | 1.93 V                   | 299                        | 44.7                   | 4.0                            |
| 10  | 4874.00        | 35.6 AV                       | 54.0              | -18.4          | 1.93 V                   | 299                        | 31.6                   | 4.0                            |
| 11  | 4960.00        | 53.7 PK                       | 74.0              | -20.3          | 1.51 V                   | 311                        | 49.2                   | 4.5                            |
| 12  | 4960.00        | 47.2 AV                       | 54.0              | -6.8           | 1.51 V                   | 311                        | 42.7                   | 4.5                            |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -21.90        | 17.74                 | 1.11                   | 18.85      | 33.00       | -14.15      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -17.30        | 21.21                 | 1.11                   | 22.32      | 33.00       | -10.68      |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3815.00     | -69.20        | -63.41                | 7.06                   | -56.35     | -13.00      | -43.35      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3815.00     | -67.50        | -61.57                | 7.06                   | -54.51     | -13.00      | -41.51      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

## Mode 6

802.11g, CH 6 + Bluetooth LE, CH 0 + LTE Band 25, CH 26615

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 25GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 64.6 PK                       | 74.0              | -9.4           | 3.91 H                   | 312                        | 31.7                   | 32.9                           |
| 2                                                   | 2390.00        | 50.5 AV                       | 54.0              | -3.5           | 3.91 H                   | 312                        | 17.6                   | 32.9                           |
| 3                                                   | *2402.00       | 90.3 PK                       | 74.0              | 16.3           | 1.61 H                   | 31                         | 57.4                   | 32.9                           |
| 4                                                   | *2402.00       | 89.5 AV                       | 54.0              | 35.5           | 1.61 H                   | 31                         | 56.6                   | 32.9                           |
| 5                                                   | *2437.00       | 111.9 PK                      |                   |                | 3.88 H                   | 320                        | 79.0                   | 32.9                           |
| 6                                                   | *2437.00       | 100.5 AV                      |                   |                | 3.88 H                   | 320                        | 67.6                   | 32.9                           |
| 7                                                   | 2483.50        | 27.9 PK                       | 74.0              | -46.1          | 3.82 H                   | 331                        | 30.7                   | -2.8                           |
| 8                                                   | 2483.50        | 13.4 AV                       | 54.0              | -40.6          | 3.82 H                   | 331                        | 16.2                   | -2.8                           |
| 9                                                   | 4804.00        | 49.8 PK                       | 74.0              | -24.2          | 3.60 H                   | 112                        | 46.2                   | 3.6                            |
| 10                                                  | 4804.00        | 45.9 AV                       | 54.0              | -8.1           | 3.60 H                   | 112                        | 42.3                   | 3.6                            |
| 11                                                  | 4874.00        | 48.3 PK                       | 74.0              | -25.7          | 1.85 H                   | 219                        | 44.3                   | 4.0                            |
| 12                                                  | 4874.00        | 35.3 AV                       | 54.0              | -18.7          | 1.85 H                   | 219                        | 31.3                   | 4.0                            |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 72.5 PK                       | 74.0              | -1.5           | 1.66 V                   | 185                        | 39.6                   | 32.9                           |
| 2                                                   | 2390.00        | 53.6 AV                       | 54.0              | -0.4           | 1.66 V                   | 185                        | 20.7                   | 32.9                           |
| 3                                                   | *2402.00       | 98.0 PK                       | 74.0              | 24.0           | 1.59 V                   | 50                         | 65.1                   | 32.9                           |
| 4                                                   | *2402.00       | 97.0 AV                       | 54.0              | 43.0           | 1.59 V                   | 50                         | 64.1                   | 32.9                           |
| 5                                                   | *2437.00       | 119.2 PK                      |                   |                | 1.63 V                   | 169                        | 86.3                   | 32.9                           |
| 6                                                   | *2437.00       | 108.6 AV                      |                   |                | 1.63 V                   | 169                        | 75.7                   | 32.9                           |
| 7                                                   | 2483.50        | 72.8 PK                       | 74.0              | -1.2           | 1.77 V                   | 163                        | 39.8                   | 33.0                           |
| 8                                                   | 2483.50        | 52.8 AV                       | 54.0              | -1.2           | 1.77 V                   | 163                        | 19.8                   | 33.0                           |
| 9                                                   | 4804.00        | 53.1 PK                       | 74.0              | -20.9          | 1.41 V                   | 333                        | 49.5                   | 3.6                            |
| 10                                                  | 4804.00        | 49.1 AV                       | 54.0              | -4.9           | 1.41 V                   | 333                        | 45.5                   | 3.6                            |
| 11                                                  | 4874.00        | 49.0 PK                       | 74.0              | -25.0          | 2.05 V                   | 313                        | 45.0                   | 4.0                            |
| 12                                                  | 4874.00        | 35.3 AV                       | 54.0              | -18.7          | 2.05 V                   | 313                        | 31.3                   | 4.0                            |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -21.85        | 17.79                 | 1.11                   | 18.90      | 33.00       | -14.10      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -17.35        | 21.16                 | 1.11                   | 22.27      | 33.00       | -10.73      |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3815.00     | -69.12        | -63.33                | 7.06                   | -56.27     | -13.00      | -43.27      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3815.00     | -67.35        | -61.42                | 7.06                   | -54.36     | -13.00      | -41.36      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

## Mode 7

802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 25, CH 26615

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2480.00       | 94.0 QP                       |                   |                | 1.71 H                   | 41                         | 61.0                   | 33.0                           |
| 2                                                   | *2480.00       | 92.9 QP                       |                   |                | 1.71 H                   | 41                         | 59.9                   | 33.0                           |
| 3                                                   | 2483.50        | 60.1 QP                       | 74.0              | -13.9          | 1.67 H                   | 37                         | 27.1                   | 33.0                           |
| 4                                                   | 2483.50        | 47.8 QP                       | 54.0              | -6.2           | 1.67 H                   | 37                         | 14.8                   | 33.0                           |
| 5                                                   | 4960.00        | 53.4 QP                       | 74.0              | -20.6          | 1.44 H                   | 312                        | 48.9                   | 4.5                            |
| 6                                                   | 4960.00        | 47.2 QP                       | 54.0              | -6.8           | 1.44 H                   | 312                        | 42.7                   | 4.5                            |
| 7                                                   | *5745.00       | 111.6 QP                      |                   |                | 3.89 H                   | 229                        | 71.5                   | 40.1                           |
| 8                                                   | *5745.00       | 100.0 QP                      |                   |                | 3.89 H                   | 229                        | 59.9                   | 40.1                           |
| 9                                                   | 11490.00       | 59.3 QP                       | 74.0              | -14.7          | 2.73 H                   | 233                        | 41.3                   | 18.0                           |
| 10                                                  | 11490.00       | 45.1 QP                       | 54.0              | -8.9           | 2.73 H                   | 233                        | 27.1                   | 18.0                           |
| 11                                                  | 5632.55        | 55.2 QP                       | 68.2              | -13.0          | 3.89 H                   | 229                        | 50.7                   | 4.5                            |
| 12                                                  | 5958.67        | 57.9 QP                       | 68.2              | -10.3          | 3.89 H                   | 229                        | 52.6                   | 5.3                            |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2480.00       | 85.1 QP                       |                   |                | 3.69 V                   | 239                        | 52.1                   | 33.0                           |
| 2                                                   | *2480.00       | 80.9 QP                       |                   |                | 3.69 V                   | 239                        | 47.9                   | 33.0                           |
| 3                                                   | 2483.50        | 60.0 QP                       | 74.0              | -14.0          | 3.73 V                   | 243                        | 27.0                   | 33.0                           |
| 4                                                   | 2483.50        | 47.8 QP                       | 54.0              | -6.2           | 3.73 V                   | 243                        | 14.8                   | 33.0                           |
| 5                                                   | 4960.00        | 47.9 QP                       | 74.0              | -26.1          | 1.94 V                   | 215                        | 43.4                   | 4.5                            |
| 6                                                   | 4960.00        | 39.1 QP                       | 54.0              | -14.9          | 1.94 V                   | 215                        | 34.6                   | 4.5                            |
| 7                                                   | *5745.00       | 118.0 QP                      |                   |                | 2.12 V                   | 323                        | 77.9                   | 40.1                           |
| 8                                                   | *5745.00       | 106.2 QP                      |                   |                | 2.12 V                   | 323                        | 66.1                   | 40.1                           |
| 9                                                   | 11490.00       | 60.7 QP                       | 74.0              | -13.3          | 2.22 V                   | 303                        | 42.7                   | 18.0                           |
| 10                                                  | 11490.00       | 45.5 QP                       | 54.0              | -8.5           | 2.22 V                   | 303                        | 27.5                   | 18.0                           |
| 11                                                  | 5645.41        | 56.6 QP                       | 68.2              | -11.6          | 2.12 V                   | 323                        | 52.1                   | 4.5                            |
| 12                                                  | 5961.85        | 57.2 QP                       | 68.2              | -11.0          | 2.12 V                   | 323                        | 51.9                   | 5.3                            |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -21.93        | 17.71                 | 1.11                   | 18.82      | 33.00       | -14.18      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -17.27        | 21.24                 | 1.11                   | 22.35      | 33.00       | -10.65      |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3815.00     | -69.43        | -63.64                | 7.06                   | -56.58     | -13.00      | -43.58      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3815.00     | -67.63        | -61.70                | 7.06                   | -54.64     | -13.00      | -41.64      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

## Mode 8

802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 25, CH 26615

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 60.5 QP                       | 74.0              | -13.5          | 1.59 H                   | 39                         | 27.6                   | 32.9                           |
| 2                                                   | 2390.00        | 48.0 QP                       | 54.0              | -6.0           | 1.59 H                   | 39                         | 15.1                   | 32.9                           |
| 3                                                   | *2402.00       | 90.4 QP                       |                   |                | 1.59 H                   | 35                         | 57.5                   | 32.9                           |
| 4                                                   | *2402.00       | 89.4 QP                       |                   |                | 1.59 H                   | 35                         | 56.5                   | 32.9                           |
| 5                                                   | 4804.00        | 49.9 QP                       | 74.0              | -24.1          | 3.53 H                   | 111                        | 46.3                   | 3.6                            |
| 6                                                   | 4804.00        | 46.1 QP                       | 54.0              | -7.9           | 3.53 H                   | 111                        | 42.5                   | 3.6                            |
| 7                                                   | *5745.00       | 111.4 QP                      |                   |                | 3.91 H                   | 231                        | 71.3                   | 40.1                           |
| 8                                                   | *5745.00       | 99.9 QP                       |                   |                | 3.91 H                   | 231                        | 59.8                   | 40.1                           |
| 9                                                   | 11490.00       | 59.5 QP                       | 74.0              | -14.5          | 2.82 H                   | 229                        | 41.5                   | 18.0                           |
| 10                                                  | 11490.00       | 45.2 QP                       | 54.0              | -8.8           | 2.82 H                   | 229                        | 27.2                   | 18.0                           |
| 11                                                  | 5632.45        | 55.4 QP                       | 68.2              | -12.8          | 3.91 H                   | 231                        | 50.9                   | 4.5                            |
| 12                                                  | 5958.13        | 58.0 QP                       | 68.2              | -10.2          | 3.91 H                   | 231                        | 52.7                   | 5.3                            |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 60.4 QP                       | 74.0              | -13.6          | 1.77 V                   | 69                         | 27.5                   | 32.9                           |
| 2                                                   | 2390.00        | 48.6 QP                       | 54.0              | -5.4           | 1.77 V                   | 69                         | 15.7                   | 32.9                           |
| 3                                                   | *2402.00       | 98.3 QP                       |                   |                | 1.63 V                   | 63                         | 65.4                   | 32.9                           |
| 4                                                   | *2402.00       | 97.2 QP                       |                   |                | 1.63 V                   | 63                         | 64.3                   | 32.9                           |
| 5                                                   | 4804.00        | 53.5 QP                       | 74.0              | -20.5          | 1.51 V                   | 350                        | 49.9                   | 3.6                            |
| 6                                                   | 4804.00        | 49.4 QP                       | 54.0              | -4.6           | 1.51 V                   | 350                        | 45.8                   | 3.6                            |
| 7                                                   | *5745.00       | 117.8 QP                      |                   |                | 1.99 V                   | 313                        | 77.7                   | 40.1                           |
| 8                                                   | *5745.00       | 107.2 QP                      |                   |                | 1.99 V                   | 313                        | 67.1                   | 40.1                           |
| 9                                                   | 11490.00       | 60.5 QP                       | 74.0              | -13.5          | 1.99 V                   | 339                        | 42.5                   | 18.0                           |
| 10                                                  | 11490.00       | 45.9 QP                       | 54.0              | -8.1           | 1.99 V                   | 339                        | 27.9                   | 18.0                           |
| 11                                                  | 5640.38        | 56.2 QP                       | 68.2              | -12.0          | 1.99 V                   | 313                        | 51.7                   | 4.5                            |
| 12                                                  | 5971.79        | 57.0 QP                       | 68.2              | -11.2          | 1.99 V                   | 313                        | 51.6                   | 5.4                            |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -21.96        | 17.68                 | 1.11                   | 18.79      | 33.00       | -14.21      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -17.33        | 21.18                 | 1.11                   | 22.29      | 33.00       | -10.71      |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3815.00     | -69.45        | -63.66                | 7.06                   | -56.60     | -13.00      | -43.60      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3815.00     | -67.26        | -61.33                | 7.06                   | -54.27     | -13.00      | -41.27      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

# Mode 9

802.11g, CH 6 + Bluetooth EDR, CH 78 + LTE Band 12, CH 23095

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 25GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 64.6 PK                       | 74.0              | -9.4           | 3.69 H                   | 308                        | 31.7                   | 32.9                           |
| 2                                                   | 2390.00        | 50.3 AV                       | 54.0              | -3.7           | 3.69 H                   | 308                        | 17.4                   | 32.9                           |
| 3                                                   | *2437.00       | 111.4 PK                      |                   |                | 3.89 H                   | 320                        | 78.5                   | 32.9                           |
| 4                                                   | *2437.00       | 100.3 AV                      |                   |                | 3.89 H                   | 320                        | 67.4                   | 32.9                           |
| 5                                                   | *2480.00       | 85.2 PK                       |                   |                | 3.60 H                   | 266                        | 52.2                   | 33.0                           |
| 6                                                   | *2480.00       | 80.6 AV                       |                   |                | 3.60 H                   | 266                        | 47.6                   | 33.0                           |
| 7                                                   | 2483.50        | 63.9 PK                       | 74.0              | -10.1          | 3.57 H                   | 270                        | 30.9                   | 33.0                           |
| 8                                                   | 2483.50        | 49.1 AV                       | 54.0              | -4.9           | 3.57 H                   | 270                        | 16.1                   | 33.0                           |
| 9                                                   | 4874.00        | 47.7 PK                       | 74.0              | -26.3          | 1.85 H                   | 213                        | 43.7                   | 4.0                            |
| 10                                                  | 4874.00        | 35.3 AV                       | 54.0              | -18.7          | 1.85 H                   | 213                        | 31.3                   | 4.0                            |
| 11                                                  | 4960.00        | 48.0 PK                       | 74.0              | -26.0          | 2.13 H                   | 233                        | 43.5                   | 4.5                            |
| 12                                                  | 4960.00        | 38.8 AV                       | 54.0              | -15.2          | 2.13 H                   | 233                        | 34.3                   | 4.5                            |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 2390.00        | 72.2 PK                       | 74.0              | -1.8           | 1.73 V                   | 191                        | 39.3                   | 32.9                           |
| 2                                                 | 2390.00        | 53.4 AV                       | 54.0              | -0.6           | 1.73 V                   | 191                        | 20.5                   | 32.9                           |
| 3                                                 | *2437.00       | 119.4 PK                      |                   |                | 1.59 V                   | 166                        | 86.5                   | 32.9                           |
| 4                                                 | *2437.00       | 108.9 AV                      |                   |                | 1.59 V                   | 166                        | 76.0                   | 32.9                           |
| 5                                                 | *2480.00       | 93.7 PK                       |                   |                | 1.63 V                   | 60                         | 60.7                   | 33.0                           |
| 6                                                 | *2480.00       | 93.0 AV                       |                   |                | 1.63 V                   | 60                         | 60.0                   | 33.0                           |
| 7                                                 | 2483.50        | 73.0 PK                       | 74.0              | -1.0           | 1.63 V                   | 153                        | 40.0                   | 33.0                           |
| 8                                                 | 2483.50        | 53.1 AV                       | 54.0              | -0.9           | 1.63 V                   | 153                        | 20.1                   | 33.0                           |
| 9                                                 | 4874.00        | 48.7 PK                       | 74.0              | -25.3          | 1.81 V                   | 320                        | 44.7                   | 4.0                            |
| 10                                                | 4960.00        | 53.2 PK                       | 74.0              | -20.8          | 1.50 V                   | 303                        | 48.7                   | 4.5                            |
| 11                                                | 4960.00        | 47.4 AV                       | 54.0              | -6.6           | 1.50 V                   | 303                        | 42.9                   | 4.5                            |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 707.50      | -11.10        | 18.86                 | -1.07                  | 17.79     | 34.77       | -16.98      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 707.50      | -11.55        | 21.38                 | -1.07                  | 20.31     | 34.77       | -14.46      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -68.30        | -70.30                | 4.75                   | -65.55    | -13.00      | -52.55      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -66.20        | -68.30                | 4.75                   | -63.55    | -13.00      | -50.55      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

# Mode 10

802.11g, CH 6 + Bluetooth LE, CH 0 + LTE Band 12, CH 23095

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 25GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 64.8 PK                       | 74.0              | -9.2           | 3.69 H                   | 299                        | 31.9                   | 32.9                           |
| 2                                                   | 2390.00        | 50.4 AV                       | 54.0              | -3.6           | 3.69 H                   | 299                        | 17.5                   | 32.9                           |
| 3                                                   | *2402.00       | 90.1 PK                       |                   |                | 1.75 H                   | 43                         | 57.2                   | 32.9                           |
| 4                                                   | *2402.00       | 89.4 AV                       |                   |                | 1.75 H                   | 43                         | 56.5                   | 32.9                           |
| 5                                                   | *2437.00       | 111.7 PK                      |                   |                | 3.71 H                   | 303                        | 78.8                   | 32.9                           |
| 6                                                   | *2437.00       | 100.4 AV                      |                   |                | 3.71 H                   | 303                        | 67.5                   | 32.9                           |
| 7                                                   | 2483.50        | 64.0 PK                       | 74.0              | -10.0          | 3.68 H                   | 309                        | 31.0                   | 33.0                           |
| 8                                                   | 2483.50        | 49.5 AV                       | 54.0              | -4.5           | 3.68 H                   | 309                        | 16.5                   | 33.0                           |
| 9                                                   | 4804.00        | 49.5 PK                       | 74.0              | -24.5          | 3.33 H                   | 129                        | 45.9                   | 3.6                            |
| 10                                                  | 4804.00        | 46.4 AV                       | 54.0              | -7.6           | 3.33 H                   | 129                        | 42.8                   | 3.6                            |
| 11                                                  | 4874.00        | 48.5 PK                       | 74.0              | -25.5          | 1.93 H                   | 223                        | 44.5                   | 4.0                            |
| 12                                                  | 4874.00        | 35.6 AV                       | 54.0              | -18.4          | 1.93 H                   | 223                        | 31.6                   | 4.0                            |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 72.7 PK                       | 74.0              | -1.3           | 1.81 V                   | 190                        | 39.8                   | 32.9                           |
| 2                                                   | 2390.00        | 53.5 AV                       | 54.0              | -0.5           | 1.81 V                   | 190                        | 20.6                   | 32.9                           |
| 3                                                   | *2402.00       | 98.3 PK                       |                   |                | 1.60 V                   | 61                         | 65.4                   | 32.9                           |
| 4                                                   | *2402.00       | 97.1 AV                       |                   |                | 1.60 V                   | 61                         | 64.2                   | 32.9                           |
| 5                                                   | *2437.00       | 119.1 PK                      |                   |                | 1.66 V                   | 185                        | 86.2                   | 32.9                           |
| 6                                                   | *2437.00       | 108.9 AV                      |                   |                | 1.66 V                   | 185                        | 76.0                   | 32.9                           |
| 7                                                   | 2483.50        | 71.4 PK                       | 74.0              | -2.6           | 1.81 V                   | 160                        | 38.4                   | 33.0                           |
| 8                                                   | 2483.50        | 52.7 AV                       | 54.0              | -1.3           | 1.81 V                   | 160                        | 19.7                   | 33.0                           |
| 9                                                   | 4804.00        | 52.9 PK                       | 74.0              | -21.1          | 1.61 V                   | 333                        | 49.3                   | 3.6                            |
| 10                                                  | 4804.00        | 48.9 AV                       | 54.0              | -5.1           | 1.61 V                   | 333                        | 45.3                   | 3.6                            |
| 11                                                  | 4874.00        | 49.2 PK                       | 74.0              | -24.8          | 2.11 V                   | 343                        | 45.2                   | 4.0                            |
| 12                                                  | 4874.00        | 35.6 AV                       | 54.0              | -18.4          | 2.11 V                   | 343                        | 31.6                   | 4.0                            |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 707.50      | -11.31        | 18.65                 | -1.07                  | 17.58     | 34.77       | -17.19      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 707.50      | -11.62        | 21.31                 | -1.07                  | 20.24     | 34.77       | -14.53      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -67.98        | -69.98                | 4.75                   | -65.23    | -13.00      | -52.23      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -65.98        | -68.08                | 4.75                   | -63.33    | -13.00      | -50.33      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

# Mode 11

802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 12, CH 23095

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2480.00       | 85.4 QP                       |                   |                | 3.67 H                   | 233                        | 52.4                   | 33.0                           |
| 2                                                   | *2480.00       | 80.9 QP                       |                   |                | 3.67 H                   | 233                        | 47.9                   | 33.0                           |
| 3                                                   | 2483.50        | 59.9 QP                       | 74.0              | -14.1          | 3.57 H                   | 241                        | 26.9                   | 33.0                           |
| 4                                                   | 2483.50        | 47.9 QP                       | 54.0              | -6.1           | 3.57 H                   | 241                        | 14.9                   | 33.0                           |
| 5                                                   | 4960.00        | 48.0 QP                       | 74.0              | -26.0          | 2.01 H                   | 219                        | 43.5                   | 4.5                            |
| 6                                                   | 4960.00        | 39.0 QP                       | 54.0              | -15.0          | 2.01 H                   | 219                        | 34.5                   | 4.5                            |
| 7                                                   | *5745.00       | 111.6 QP                      |                   |                | 3.71 H                   | 229                        | 71.5                   | 40.1                           |
| 8                                                   | *5745.00       | 100.1 QP                      |                   |                | 3.71 H                   | 229                        | 60.0                   | 40.1                           |
| 9                                                   | 11490.00       | 59.1 QP                       | 74.0              | -14.9          | 2.71 H                   | 233                        | 41.1                   | 18.0                           |
| 10                                                  | 11490.00       | 44.9 QP                       | 54.0              | -9.1           | 2.71 H                   | 233                        | 26.9                   | 18.0                           |
| 11                                                  | 5604.41        | 54.9 QP                       | 68.2              | -13.3          | 3.71 H                   | 229                        | 50.3                   | 4.6                            |
| 12                                                  | 5987.23        | 57.6 QP                       | 68.2              | -10.6          | 3.71 H                   | 229                        | 52.2                   | 5.4                            |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2480.00       | 94.2 QP                       |                   |                | 1.77 V                   | 43                         | 61.2                   | 33.0                           |
| 2                                                   | *2480.00       | 93.6 QP                       |                   |                | 1.77 V                   | 43                         | 60.6                   | 33.0                           |
| 3                                                   | 2483.50        | 60.6 QP                       | 74.0              | -13.4          | 1.70 V                   | 45                         | 27.6                   | 33.0                           |
| 4                                                   | 2483.50        | 48.1 QP                       | 54.0              | -5.9           | 1.70 V                   | 45                         | 15.1                   | 33.0                           |
| 5                                                   | 4960.00        | 53.1 QP                       | 74.0              | -20.9          | 1.45 V                   | 320                        | 48.6                   | 4.5                            |
| 6                                                   | 4960.00        | 47.1 QP                       | 54.0              | -6.9           | 1.45 V                   | 320                        | 42.6                   | 4.5                            |
| 7                                                   | *5745.00       | 118.0 QP                      |                   |                | 1.99 V                   | 327                        | 77.9                   | 40.1                           |
| 8                                                   | *5745.00       | 106.4 QP                      |                   |                | 1.99 V                   | 327                        | 66.3                   | 40.1                           |
| 9                                                   | 11490.00       | 60.7 QP                       | 74.0              | -13.3          | 2.19 V                   | 350                        | 42.7                   | 18.0                           |
| 10                                                  | 11490.00       | 46.1 QP                       | 54.0              | -7.9           | 2.19 V                   | 350                        | 28.1                   | 18.0                           |
| 11                                                  | 5645.11        | 62.1 QP                       | 68.2              | -6.1           | 1.99 V                   | 327                        | 57.6                   | 4.5                            |
| 12                                                  | 5961.14        | 57.6 QP                       | 68.2              | -10.6          | 1.99 V                   | 327                        | 52.3                   | 5.3                            |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 707.50      | -11.11        | 18.85                 | -1.07                  | 17.78     | 34.77       | -16.99      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 707.50      | -11.59        | 21.34                 | -1.07                  | 20.27     | 34.77       | -14.50      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -67.97        | -69.97                | 4.75                   | -65.22    | -13.00      | -52.22      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -66.59        | -68.69                | 4.75                   | -63.94    | -13.00      | -50.94      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

## Mode 12

802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 12, CH 23095

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 60.3 QP                       | 74.0              | -13.7          | 1.70 H                   | 40                         | 27.4                   | 32.9                           |
| 2                                                   | 2390.00        | 48.0 QP                       | 54.0              | -6.0           | 1.70 H                   | 40                         | 15.1                   | 32.9                           |
| 3                                                   | *2402.00       | 90.4 QP                       |                   |                | 1.55 H                   | 41                         | 57.5                   | 32.9                           |
| 4                                                   | *2402.00       | 89.2 QP                       |                   |                | 1.55 H                   | 41                         | 56.3                   | 32.9                           |
| 5                                                   | 4804.00        | 49.9 QP                       | 74.0              | -24.1          | 3.49 H                   | 113                        | 46.3                   | 3.6                            |
| 6                                                   | 4804.00        | 46.4 QP                       | 54.0              | -7.6           | 3.49 H                   | 113                        | 42.8                   | 3.6                            |
| 7                                                   | *5745.00       | 111.6 QP                      |                   |                | 3.69 H                   | 233                        | 71.5                   | 40.1                           |
| 8                                                   | *5745.00       | 100.0 QP                      |                   |                | 3.69 H                   | 233                        | 59.9                   | 40.1                           |
| 9                                                   | 11490.00       | 59.7 QP                       | 74.0              | -14.3          | 2.91 H                   | 233                        | 41.7                   | 18.0                           |
| 10                                                  | 11490.00       | 45.5 QP                       | 54.0              | -8.5           | 2.91 H                   | 233                        | 27.5                   | 18.0                           |
| 11                                                  | 5632.05        | 55.1 QP                       | 68.2              | -13.1          | 3.69 H                   | 233                        | 50.6                   | 4.5                            |
| 12                                                  | 5958.33        | 57.7 QP                       | 68.2              | -10.5          | 3.69 H                   | 233                        | 52.4                   | 5.3                            |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 60.6 QP                       | 74.0              | -13.4          | 1.81 V                   | 57                         | 27.7                   | 32.9                           |
| 2                                                   | 2390.00        | 48.9 QP                       | 54.0              | -5.1           | 1.81 V                   | 57                         | 16.0                   | 32.9                           |
| 3                                                   | *2402.00       | 98.2 QP                       |                   |                | 1.74 V                   | 61                         | 65.3                   | 32.9                           |
| 4                                                   | *2402.00       | 97.2 QP                       |                   |                | 1.74 V                   | 61                         | 64.3                   | 32.9                           |
| 5                                                   | 4804.00        | 53.3 QP                       | 74.0              | -20.7          | 1.51 V                   | 350                        | 49.7                   | 3.6                            |
| 6                                                   | 4804.00        | 49.5 QP                       | 54.0              | -4.5           | 1.51 V                   | 350                        | 45.9                   | 3.6                            |
| 7                                                   | *5745.00       | 117.9 QP                      |                   |                | 2.03 V                   | 331                        | 77.8                   | 40.1                           |
| 8                                                   | *5745.00       | 107.2 QP                      |                   |                | 2.03 V                   | 331                        | 67.1                   | 40.1                           |
| 9                                                   | 11490.00       | 60.6 QP                       | 74.0              | -13.4          | 2.31 V                   | 330                        | 42.6                   | 18.0                           |
| 10                                                  | 11490.00       | 45.3 QP                       | 54.0              | -8.7           | 2.31 V                   | 330                        | 27.3                   | 18.0                           |
| 11                                                  | 5645.51        | 57.4 QP                       | 68.2              | -10.8          | 2.03 V                   | 331                        | 52.9                   | 4.5                            |
| 12                                                  | 5961.54        | 57.8 QP                       | 68.2              | -10.4          | 2.03 V                   | 331                        | 52.5                   | 5.3                            |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 707.50      | -10.97        | 18.99                 | -1.07                  | 17.92     | 34.77       | -16.85      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 707.50      | -11.51        | 21.42                 | -1.07                  | 20.35     | 34.77       | -14.42      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -68.09        | -70.09                | 4.75                   | -65.34    | -13.00      | -52.34      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -66.02        | -68.12                | 4.75                   | -63.37    | -13.00      | -50.37      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

### Mode 13

802.11g, CH 6 + Bluetooth EDR, CH 78 + LTE Band 26, CH 26697

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 25GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 64.2 PK                       | 74.0              | -9.8           | 3.77 H                   | 309                        | 31.3                   | 32.9                           |
| 2                                                   | 2390.00        | 50.4 AV                       | 54.0              | -3.6           | 3.77 H                   | 309                        | 17.5                   | 32.9                           |
| 3                                                   | *2437.00       | 111.6 PK                      |                   |                | 3.91 H                   | 313                        | 78.7                   | 32.9                           |
| 4                                                   | *2437.00       | 100.2 AV                      |                   |                | 3.91 H                   | 313                        | 67.3                   | 32.9                           |
| 5                                                   | *2480.00       | 85.0 PK                       |                   |                | 3.57 H                   | 255                        | 52.0                   | 33.0                           |
| 6                                                   | *2480.00       | 80.5 AV                       |                   |                | 3.57 H                   | 255                        | 47.5                   | 33.0                           |
| 7                                                   | 2483.50        | 63.5 PK                       | 74.0              | -10.5          | 3.80 H                   | 315                        | 30.5                   | 33.0                           |
| 8                                                   | 2483.50        | 49.0 AV                       | 54.0              | -5.0           | 3.80 H                   | 315                        | 16.0                   | 33.0                           |
| 9                                                   | 4874.00        | 48.0 PK                       | 74.0              | -26.0          | 1.81 H                   | 203                        | 44.0                   | 4.0                            |
| 10                                                  | 4874.00        | 35.1 AV                       | 54.0              | -18.9          | 1.81 H                   | 203                        | 31.1                   | 4.0                            |
| 11                                                  | 4960.00        | 47.7 PK                       | 74.0              | -26.3          | 2.03 H                   | 211                        | 43.2                   | 4.5                            |
| 12                                                  | 4960.00        | 38.6 AV                       | 54.0              | -15.4          | 2.03 H                   | 211                        | 34.1                   | 4.5                            |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 72.7 PK                       | 74.0              | -1.3           | 1.66 V                   | 180                        | 39.8                   | 32.9                           |
| 2                                                   | 2390.00        | 53.5 AV                       | 54.0              | -0.5           | 1.66 V                   | 180                        | 20.6                   | 32.9                           |
| 3                                                   | *2437.00       | 119.9 PK                      |                   |                | 1.55 V                   | 170                        | 87.0                   | 32.9                           |
| 4                                                   | *2437.00       | 109.0 AV                      |                   |                | 1.55 V                   | 170                        | 76.1                   | 32.9                           |
| 5                                                   | *2480.00       | 93.5 PK                       |                   |                | 1.60 V                   | 57                         | 60.5                   | 33.0                           |
| 6                                                   | *2480.00       | 92.9 AV                       |                   |                | 1.60 V                   | 57                         | 59.9                   | 33.0                           |
| 7                                                   | 2483.50        | 73.3 PK                       | 74.0              | -0.7           | 1.70 V                   | 163                        | 40.3                   | 33.0                           |
| 8                                                   | 2483.50        | 53.2 AV                       | 54.0              | -0.8           | 1.70 V                   | 163                        | 20.2                   | 33.0                           |
| 9                                                   | 4874.00        | 49.0 PK                       | 74.0              | -25.0          | 1.88 V                   | 313                        | 45.0                   | 4.0                            |
| 10                                                  | 4874.00        | 35.3 AV                       | 54.0              | -18.7          | 1.88 V                   | 313                        | 31.3                   | 4.0                            |
| 11                                                  | 4960.00        | 53.3 PK                       | 74.0              | -20.7          | 1.43 V                   | 299                        | 48.8                   | 4.5                            |
| 12                                                  | 4960.00        | 47.1 AV                       | 54.0              | -6.9           | 1.43 V                   | 299                        | 42.6                   | 4.5                            |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 814.70      | -16.57        | 15.30                 | -0.23                  | 15.07     | 34.77       | -19.70      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 814.70      | -13.85        | 19.43                 | -0.23                  | 19.20     | 34.77       | -15.57      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1629.40     | -67.10        | -70.76                | 5.44                   | -65.32    | -13.00      | -52.32      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1629.40     | -65.70        | -68.10                | 5.44                   | -62.66    | -13.00      | -49.66      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

# Mode 14

802.11g, CH 6 + Bluetooth LE, CH 0 + LTE Band 26, CH 26697

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 25GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 64.6 PK                       | 74.0              | -9.4           | 3.75 H                   | 305                        | 31.7                   | 32.9                           |
| 2                                                   | 2390.00        | 50.2 AV                       | 54.0              | -3.8           | 3.75 H                   | 305                        | 17.3                   | 32.9                           |
| 3                                                   | *2402.00       | 90.2 PK                       |                   |                | 1.69 H                   | 33                         | 57.3                   | 32.9                           |
| 4                                                   | *2402.00       | 89.5 AV                       |                   |                | 1.69 H                   | 33                         | 56.6                   | 32.9                           |
| 5                                                   | *2437.00       | 111.8 PK                      |                   |                | 3.76 H                   | 303                        | 78.9                   | 32.9                           |
| 6                                                   | *2437.00       | 100.5 AV                      |                   |                | 3.76 H                   | 303                        | 67.6                   | 32.9                           |
| 7                                                   | 2483.50        | 63.9 PK                       | 74.0              | -10.1          | 3.77 H                   | 339                        | 30.9                   | 33.0                           |
| 8                                                   | 2483.50        | 49.3 AV                       | 54.0              | -4.7           | 3.77 H                   | 339                        | 16.3                   | 33.0                           |
| 9                                                   | 4804.00        | 50.1 PK                       | 74.0              | -23.9          | 3.29 H                   | 123                        | 46.5                   | 3.6                            |
| 10                                                  | 4804.00        | 46.2 AV                       | 54.0              | -7.8           | 3.29 H                   | 123                        | 42.6                   | 3.6                            |
| 11                                                  | 4874.00        | 48.3 PK                       | 74.0              | -25.7          | 1.89 H                   | 221                        | 44.3                   | 4.0                            |
| 12                                                  | 4874.00        | 35.4 AV                       | 54.0              | -18.6          | 1.89 H                   | 221                        | 31.4                   | 4.0                            |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 72.2 PK                       | 74.0              | -1.8           | 1.75 V                   | 188                        | 39.3                   | 32.9                           |
| 2                                                   | 2390.00        | 53.6 AV                       | 54.0              | -0.4           | 1.75 V                   | 188                        | 20.7                   | 32.9                           |
| 3                                                   | *2402.00       | 98.2 PK                       |                   |                | 1.55 V                   | 52                         | 65.3                   | 32.9                           |
| 4                                                   | *2402.00       | 97.3 AV                       |                   |                | 1.55 V                   | 52                         | 64.4                   | 32.9                           |
| 5                                                   | *2437.00       | 119.2 PK                      |                   |                | 1.59 V                   | 182                        | 86.3                   | 32.9                           |
| 6                                                   | *2437.00       | 109.0 AV                      |                   |                | 1.59 V                   | 182                        | 76.1                   | 32.9                           |
| 7                                                   | 2483.50        | 71.9 PK                       | 74.0              | -2.1           | 1.75 V                   | 155                        | 38.9                   | 33.0                           |
| 8                                                   | 2483.50        | 52.8 AV                       | 54.0              | -1.2           | 1.75 V                   | 155                        | 19.8                   | 33.0                           |
| 9                                                   | 4804.00        | 53.1 PK                       | 74.0              | -20.9          | 1.51 V                   | 343                        | 49.5                   | 3.6                            |
| 10                                                  | 4804.00        | 49.3 AV                       | 54.0              | -4.7           | 1.51 V                   | 343                        | 45.7                   | 3.6                            |
| 11                                                  | 4874.00        | 49.0 PK                       | 74.0              | -25.0          | 2.03 V                   | 331                        | 45.0                   | 4.0                            |
| 12                                                  | 4874.00        | 35.5 AV                       | 54.0              | -18.5          | 2.03 V                   | 331                        | 31.5                   | 4.0                            |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 814.70      | -16.51        | 15.36                 | -0.23                  | 15.13     | 34.77       | -19.64      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 814.70      | -13.91        | 19.37                 | -0.23                  | 19.14     | 34.77       | -15.63      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1629.40     | -66.95        | -70.61                | 5.44                   | -65.17    | -13.00      | -52.17      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1629.40     | -65.83        | -68.23                | 5.44                   | -62.79    | -13.00      | -49.79      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

# Mode 15

802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 26, CH 26697

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2480.00       | 85.2 QP                       |                   |                | 3.57 H                   | 229                        | 52.2                   | 33.0                           |
| 2                                                   | *2480.00       | 81.0 QP                       |                   |                | 3.57 H                   | 229                        | 48.0                   | 33.0                           |
| 3                                                   | 2483.50        | 60.0 QP                       | 74.0              | -14.0          | 3.69 H                   | 233                        | 27.0                   | 33.0                           |
| 4                                                   | 2483.50        | 47.8 QP                       | 54.0              | -6.2           | 3.69 H                   | 233                        | 14.8                   | 33.0                           |
| 5                                                   | 4960.00        | 48.2 QP                       | 74.0              | -25.8          | 1.93 H                   | 222                        | 43.7                   | 4.5                            |
| 6                                                   | 4960.00        | 39.0 QP                       | 54.0              | -15.0          | 1.93 H                   | 222                        | 34.5                   | 4.5                            |
| 7                                                   | *5745.00       | 111.4 QP                      |                   |                | 3.77 H                   | 220                        | 71.3                   | 40.1                           |
| 8                                                   | *5745.00       | 99.9 QP                       |                   |                | 3.77 H                   | 220                        | 59.8                   | 40.1                           |
| 9                                                   | 11490.00       | 59.3 QP                       | 74.0              | -14.7          | 2.73 H                   | 229                        | 41.3                   | 18.0                           |
| 10                                                  | 11490.00       | 45.0 QP                       | 54.0              | -9.0           | 2.73 H                   | 229                        | 27.0                   | 18.0                           |
| 11                                                  | 5604.49        | 55.1 QP                       | 68.2              | -13.1          | 3.77 H                   | 220                        | 50.5                   | 4.6                            |
| 12                                                  | 5987.18        | 57.5 QP                       | 68.2              | -10.7          | 3.77 H                   | 220                        | 52.1                   | 5.4                            |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *2480.00       | 94.0 QP                       |                   |                | 1.75 V                   | 50                         | 61.0                   | 33.0                           |
| 2                                                   | *2480.00       | 93.5 QP                       |                   |                | 1.75 V                   | 50                         | 60.5                   | 33.0                           |
| 3                                                   | 2483.50        | 60.5 QP                       | 74.0              | -13.5          | 1.69 V                   | 44                         | 27.5                   | 33.0                           |
| 4                                                   | 2483.50        | 48.0 QP                       | 54.0              | -6.0           | 1.69 V                   | 44                         | 15.0                   | 33.0                           |
| 5                                                   | 4960.00        | 53.3 QP                       | 74.0              | -20.7          | 1.40 V                   | 313                        | 48.8                   | 4.5                            |
| 6                                                   | 4960.00        | 47.2 QP                       | 54.0              | -6.8           | 1.40 V                   | 313                        | 42.7                   | 4.5                            |
| 7                                                   | *5745.00       | 117.8 QP                      |                   |                | 1.85 V                   | 303                        | 77.7                   | 40.1                           |
| 8                                                   | *5745.00       | 106.2 QP                      |                   |                | 1.85 V                   | 303                        | 66.1                   | 40.1                           |
| 9                                                   | 11490.00       | 60.5 QP                       | 74.0              | -13.5          | 2.10 V                   | 343                        | 42.5                   | 18.0                           |
| 10                                                  | 11490.00       | 45.9 QP                       | 54.0              | -8.1           | 2.10 V                   | 343                        | 27.9                   | 18.0                           |
| 11                                                  | 5645.51        | 57.2 QP                       | 68.2              | -11.0          | 1.85 V                   | 303                        | 52.7                   | 4.5                            |
| 12                                                  | 5961.54        | 57.5 QP                       | 68.2              | -10.7          | 1.85 V                   | 303                        | 52.2                   | 5.3                            |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |               |               |                       |                        |              |              |               |
|-----------------------------------------------------|---------------|---------------|-----------------------|------------------------|--------------|--------------|---------------|
| No.                                                 | Freq. (MHz)   | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm)    | Limit (dBm)  | Margin (dB)   |
| 1                                                   | 814.70        | -16.52        | 15.35                 | -0.23                  | 15.12        | 34.77        | -19.65        |
| Antenna Polarity & Test Distance: Vertical at 3 M   |               |               |                       |                        |              |              |               |
| No.                                                 | Freq. (MHz)   | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm)    | Limit (dBm)  | Margin (dB)   |
| <b>1</b>                                            | <b>814.70</b> | <b>-13.81</b> | <b>19.47</b>          | <b>-0.23</b>           | <b>19.24</b> | <b>34.77</b> | <b>-15.53</b> |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1629.40     | -67.05        | -70.71                | 5.44                   | -65.27    | -13.00      | -52.27      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1629.40     | -65.42        | -67.82                | 5.44                   | -62.38    | -13.00      | -49.38      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

# Mode 16

802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 26, CH 26697

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |
|-----------------|--------------|-------------------|---------------------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 60.7 QP                       | 74.0              | -13.3          | 1.69 H                   | 33                         | 27.8                   | 32.9                           |
| 2                                                   | 2390.00        | 48.4 QP                       | 54.0              | -5.6           | 1.69 H                   | 33                         | 15.5                   | 32.9                           |
| 3                                                   | *2402.00       | 90.4 QP                       |                   |                | 1.55 H                   | 23                         | 57.5                   | 32.9                           |
| 4                                                   | *2402.00       | 89.7 QP                       |                   |                | 1.55 H                   | 23                         | 56.8                   | 32.9                           |
| 5                                                   | 4804.00        | 49.9 QP                       | 74.0              | -24.1          | 3.57 H                   | 112                        | 46.3                   | 3.6                            |
| 6                                                   | 4804.00        | 46.1 QP                       | 54.0              | -7.9           | 3.57 H                   | 112                        | 42.5                   | 3.6                            |
| 7                                                   | *5745.00       | 111.7 QP                      |                   |                | 3.79 H                   | 223                        | 71.6                   | 40.1                           |
| 8                                                   | *5745.00       | 99.6 QP                       |                   |                | 3.79 H                   | 223                        | 59.5                   | 40.1                           |
| 9                                                   | 11490.00       | 59.5 QP                       | 74.0              | -14.5          | 2.83 H                   | 229                        | 41.5                   | 18.0                           |
| 10                                                  | 11490.00       | 45.2 QP                       | 54.0              | -8.8           | 2.83 H                   | 229                        | 27.2                   | 18.0                           |
| 11                                                  | 5604.66        | 55.3 QP                       | 68.2              | -12.9          | 3.79 H                   | 223                        | 50.7                   | 4.6                            |
| 12                                                  | 5958.33        | 57.7 QP                       | 68.2              | -10.5          | 3.79 H                   | 223                        | 52.4                   | 5.3                            |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 2390.00        | 60.3 QP                       | 74.0              | -13.7          | 1.75 V                   | 63                         | 27.4                   | 32.9                           |
| 2                                                   | 2390.00        | 48.5 QP                       | 54.0              | -5.5           | 1.75 V                   | 63                         | 15.6                   | 32.9                           |
| 3                                                   | *2402.00       | 98.5 QP                       |                   |                | 1.69 V                   | 60                         | 65.6                   | 32.9                           |
| 4                                                   | *2402.00       | 97.4 QP                       |                   |                | 1.69 V                   | 60                         | 64.5                   | 32.9                           |
| 5                                                   | 4804.00        | 53.5 QP                       | 74.0              | -20.5          | 1.53 V                   | 339                        | 49.9                   | 3.6                            |
| 6                                                   | 4804.00        | 49.4 QP                       | 54.0              | -4.6           | 1.53 V                   | 339                        | 45.8                   | 3.6                            |
| 7                                                   | *5745.00       | 118.1 QP                      |                   |                | 1.91 V                   | 320                        | 78.0                   | 40.1                           |
| 8                                                   | *5745.00       | 107.6 QP                      |                   |                | 1.91 V                   | 320                        | 67.5                   | 40.1                           |
| 9                                                   | 11490.00       | 60.5 QP                       | 74.0              | -13.5          | 2.13 V                   | 335                        | 42.5                   | 18.0                           |
| 10                                                  | 11490.00       | 45.7 QP                       | 54.0              | -8.3           | 2.13 V                   | 335                        | 27.7                   | 18.0                           |
| 11                                                  | 5645.63        | 57.1 QP                       | 68.2              | -11.1          | 1.91 V                   | 320                        | 52.6                   | 4.5                            |
| 12                                                  | 5961.66        | 57.8 QP                       | 68.2              | -10.4          | 1.91 V                   | 320                        | 52.5                   | 5.3                            |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 814.70      | -16.63        | 15.24                 | -0.23                  | 15.01     | 34.77       | -19.76      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 814.70      | -13.88        | 19.40                 | -0.23                  | 19.17     | 34.77       | -15.60      |

Note: ERP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1629.40     | -67.23        | -70.89                | 5.44                   | -65.45    | -13.00      | -52.45      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1629.40     | -65.69        | -68.09                | 5.44                   | -62.65    | -13.00      | -49.65      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Below 1GHz data:

Mode 1

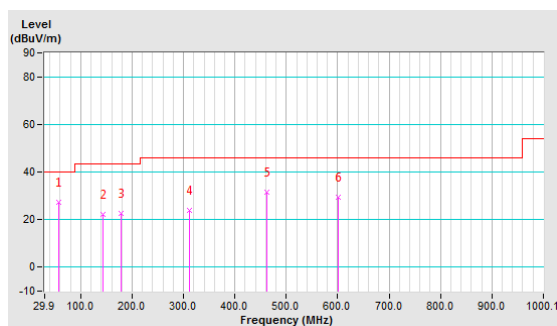
802.11g, CH 6 + Bluetooth EDR, CH 78 + LTE Band 26, CH 26865

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 57.12          | 27.2 QP                       | 40.0              | -12.8          | 1.99 H                   | 224                        | 37.3                   | -10.1                          |
| 2                                                   | 142.67         | 22.3 QP                       | 43.5              | -21.2          | 1.99 H                   | 70                         | 31.7                   | -9.4                           |
| 3                                                   | 177.67         | 22.5 QP                       | 43.5              | -21.0          | 1.50 H                   | 254                        | 32.5                   | -10.0                          |
| 4                                                   | 311.82         | 24.1 QP                       | 46.0              | -21.9          | 1.00 H                   | 316                        | 31.1                   | -7.0                           |
| 5                                                   | 461.53         | 31.6 QP                       | 46.0              | -14.4          | 1.99 H                   | 7                          | 35.9                   | -4.3                           |
| 6                                                   | 601.52         | 29.5 QP                       | 46.0              | -16.5          | 1.00 H                   | 292                        | 30.7                   | -1.2                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

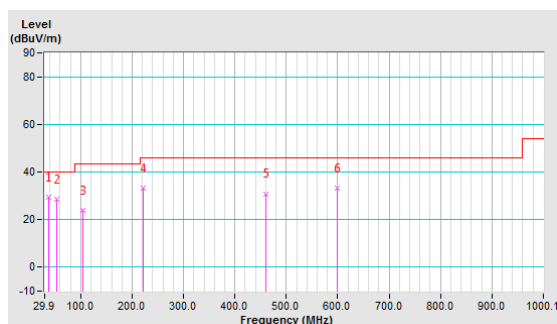


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 37.68          | 29.4 QP                       | 40.0              | -10.6          | 1.01 V                   | 5                          | 40.1                   | -10.7                          |
| 2                                                 | 53.23          | 28.7 QP                       | 40.0              | -11.3          | 1.01 V                   | 5                          | 38.5                   | -9.8                           |
| 3                                                 | 103.78         | 24.0 QP                       | 43.5              | -19.5          | 1.01 V                   | 50                         | 37.1                   | -13.1                          |
| 4                                                 | 222.38         | 33.1 QP                       | 46.0              | -12.9          | 1.50 V                   | 11                         | 43.7                   | -10.6                          |
| 5                                                 | 459.59         | 30.9 QP                       | 46.0              | -15.1          | 1.01 V                   | 305                        | 35.2                   | -4.3                           |
| 6                                                 | 599.58         | 33.3 QP                       | 46.0              | -12.7          | 1.50 V                   | 99                         | 34.5                   | -1.2                           |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

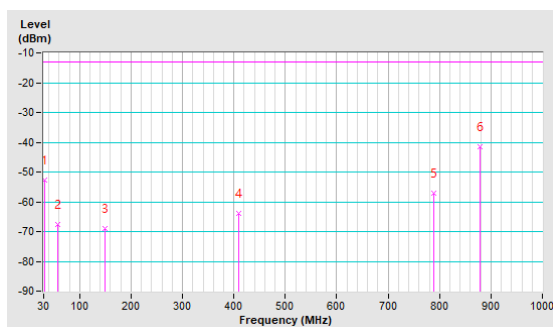


## Antenna Polarity &amp; Test Distance: Horizontal at 3 M

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 31.94       | -54.0         | -34.5                 | -18.3                  | -52.8     | -13.0       | -39.8       |
| 2   | 57.16       | -61.8         | -62.9                 | -4.7                   | -67.6     | -13.0       | -54.6       |
| 3   | 148.34      | -62.1         | -66.1                 | -3.0                   | -69.1     | -13.0       | -56.1       |
| 4   | 410.24      | -61.4         | -67.1                 | 3.3                    | -63.8     | -13.0       | -50.8       |
| 5   | 789.51      | -60.2         | -61.0                 | 4.0                    | -57.0     | -13.0       | -44.0       |
| 6   | 878.75      | -46.5         | -45.0                 | 3.4                    | -41.6     | -13.0       | -28.6       |

## Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



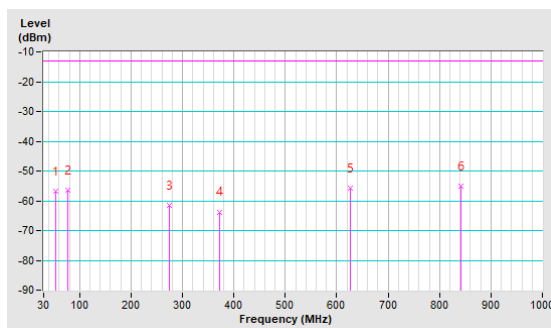
**Antenna Polarity & Test Distance: Vertical at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 53.28       | -47.7         | -50.5                 | -6.2                   | -56.7     | -13.0       | -43.7       |
| 2   | 77.53       | -48.6         | -56.8                 | 0.5                    | -56.3     | -13.0       | -43.3       |
| 3   | 275.41      | -62.4         | -59.8                 | -1.6                   | -61.4     | -13.0       | -48.4       |
| 4   | 371.44      | -61.2         | -67.6                 | 3.9                    | -63.7     | -13.0       | -50.7       |
| 5   | 626.55      | -58.5         | -59.4                 | 3.7                    | -55.7     | -13.0       | -42.7       |
| 6   | 840.92      | -60.2         | -58.8                 | 3.7                    | -55.1     | -13.0       | -42.1       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



## Mode 2

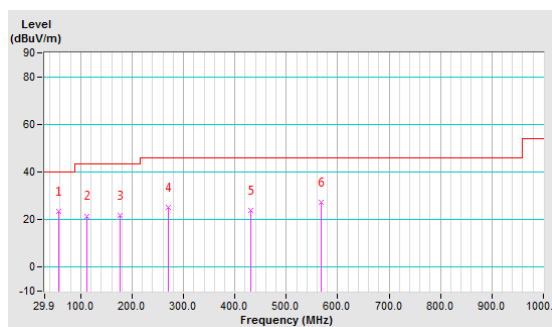
802.11g, CH 6 + Bluetooth LE, CH 0 + LTE Band 26, CH 26865

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 23.5 QP                 | 40.0           | -16.5       | 1.50 H             | 119                  | 33.6             | -10.1                    |
| 2                                                   | 111.56      | 21.6 QP                 | 43.5           | -21.9       | 1.00 H             | 50                   | 34.0             | -12.4                    |
| 3                                                   | 175.72      | 21.6 QP                 | 43.5           | -21.9       | 1.00 H             | 250                  | 31.5             | -9.9                     |
| 4                                                   | 270.99      | 25.3 QP                 | 46.0           | -20.7       | 1.99 H             | 15                   | 33.6             | -8.3                     |
| 5                                                   | 430.42      | 24.1 QP                 | 46.0           | -21.9       | 1.00 H             | 150                  | 28.7             | -4.6                     |
| 6                                                   | 568.47      | 27.3 QP                 | 46.0           | -18.7       | 1.00 H             | 159                  | 29.5             | -2.2                     |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

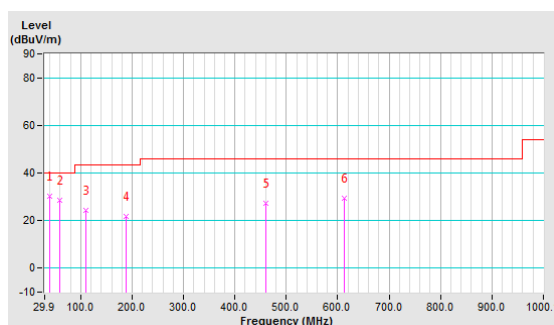


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 39.62          | 30.4 QP                       | 40.0              | -9.6           | 1.00 V                   | 22                         | 40.8                   | -10.4                          |
| 2                                                 | 59.06          | 28.5 QP                       | 40.0              | -11.5          | 1.00 V                   | 227                        | 38.6                   | -10.1                          |
| 3                                                 | 109.62         | 24.4 QP                       | 43.5              | -19.1          | 1.99 V                   | 91                         | 36.9                   | -12.5                          |
| 4                                                 | 187.39         | 21.7 QP                       | 43.5              | -21.8          | 1.00 V                   | 63                         | 32.6                   | -10.9                          |
| 5                                                 | 459.59         | 27.1 QP                       | 46.0              | -18.9          | 1.50 V                   | 162                        | 31.4                   | -4.3                           |
| 6                                                 | 613.19         | 29.3 QP                       | 46.0              | -16.7          | 1.00 V                   | 116                        | 30.2                   | -0.9                           |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

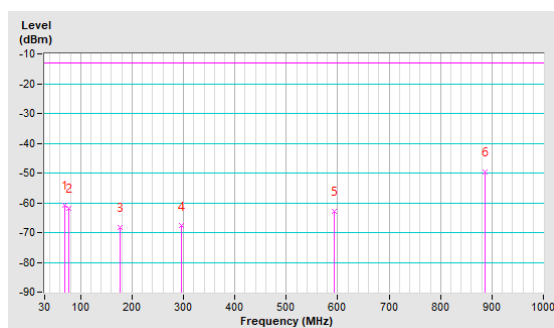


## Antenna Polarity &amp; Test Distance: Horizontal at 3 M

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 69.77       | -52.2         | -60.1                 | -0.6                   | -60.7     | -13.0       | -47.7       |
| 2   | 76.56       | -54.0         | -62.1                 | 0.3                    | -61.8     | -13.0       | -48.8       |
| 3   | 177.44      | -58.2         | -65.2                 | -3.0                   | -68.2     | -13.0       | -55.2       |
| 4   | 295.78      | -62.8         | -66.0                 | -1.8                   | -67.8     | -13.0       | -54.8       |
| 5   | 593.57      | -61.9         | -66.5                 | 3.7                    | -62.8     | -13.0       | -49.8       |
| 6   | 886.51      | -54.8         | -53.1                 | 3.4                    | -49.7     | -13.0       | -36.7       |

## Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



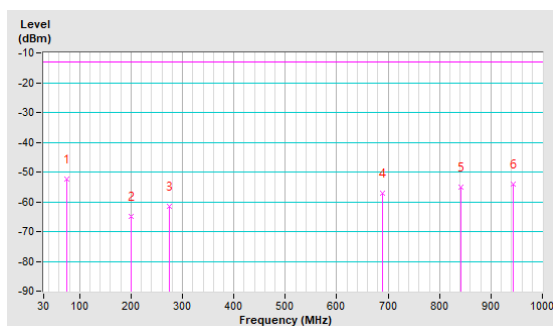
**Antenna Polarity & Test Distance: Vertical at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 75.59       | -44.5         | -52.6                 | 0.2                    | -52.4     | -13.0       | -39.4       |
| 2   | 199.75      | -61.7         | -62.5                 | -2.4                   | -64.9     | -13.0       | -51.9       |
| 3   | 275.41      | -62.4         | -59.8                 | -1.6                   | -61.4     | -13.0       | -48.4       |
| 4   | 689.60      | -60.6         | -60.6                 | 3.5                    | -57.1     | -13.0       | -44.1       |
| 5   | 840.92      | -60.2         | -58.8                 | 3.7                    | -55.1     | -13.0       | -42.1       |
| 6   | 943.74      | -61.0         | -57.7                 | 3.7                    | -54.0     | -13.0       | -41.0       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



### Mode 3

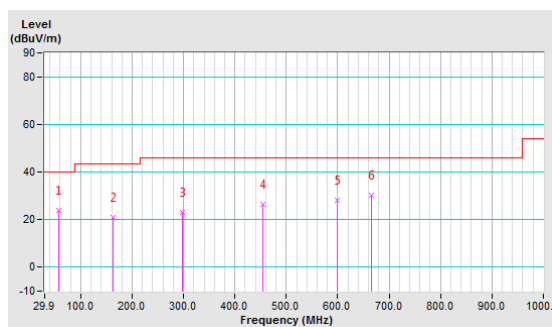
802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 26, CH 26865

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 23.7 QP                 | 40.0           | -16.3       | 1.50 H             | 273                  | 33.8             | -10.1                    |
| 2                                                   | 162.11      | 21.0 QP                 | 43.5           | -22.5       | 1.00 H             | 290                  | 30.0             | -9.0                     |
| 3                                                   | 298.21      | 23.2 QP                 | 46.0           | -22.8       | 1.50 H             | 116                  | 30.7             | -7.5                     |
| 4                                                   | 453.75      | 26.4 QP                 | 46.0           | -19.6       | 2.00 H             | 16                   | 30.7             | -4.3                     |
| 5                                                   | 599.58      | 28.2 QP                 | 46.0           | -17.8       | 1.00 H             | 60                   | 29.4             | -1.2                     |
| 6                                                   | 665.68      | 30.2 QP                 | 46.0           | -15.8       | 1.00 H             | 31                   | 30.6             | -0.4                     |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

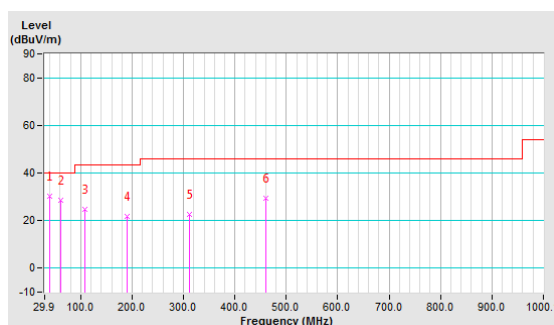


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 39.62          | 30.3 QP                       | 40.0              | -9.7           | 2.00 V                   | 12                         | 40.7                   | -10.4                          |
| 2                                                 | 61.01          | 28.6 QP                       | 40.0              | -11.4          | 1.00 V                   | 221                        | 39.1                   | -10.5                          |
| 3                                                 | 107.67         | 24.7 QP                       | 43.5              | -18.8          | 1.00 V                   | 50                         | 37.3                   | -12.6                          |
| 4                                                 | 189.33         | 21.7 QP                       | 43.5              | -21.8          | 1.50 V                   | 52                         | 32.8                   | -11.1                          |
| 5                                                 | 311.82         | 22.8 QP                       | 46.0              | -23.2          | 1.50 V                   | 5                          | 29.8                   | -7.0                           |
| 6                                                 | 459.59         | 29.2 QP                       | 46.0              | -16.8          | 1.00 V                   | 298                        | 33.5                   | -4.3                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

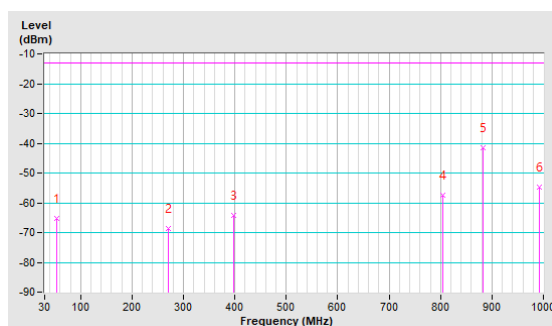


| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 54.25       | -61.1         | -59.6                 | -5.7                   | -65.3     | -13.0       | -52.3       |
| 2                                                   | 269.59      | -62.2         | -67.1                 | -1.4                   | -68.5     | -13.0       | -55.5       |
| 3                                                   | 398.60      | -61.4         | -67.5                 | 3.3                    | -64.2     | -13.0       | -51.2       |
| 4                                                   | 805.03      | -60.8         | -61.2                 | 3.9                    | -57.3     | -13.0       | -44.3       |
| 5                                                   | 882.63      | -46.3         | -44.7                 | 3.3                    | -41.4     | -13.0       | -28.4       |
| 6                                                   | 991.27      | -61.6         | -58.3                 | 3.4                    | -54.9     | -13.0       | -41.9       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

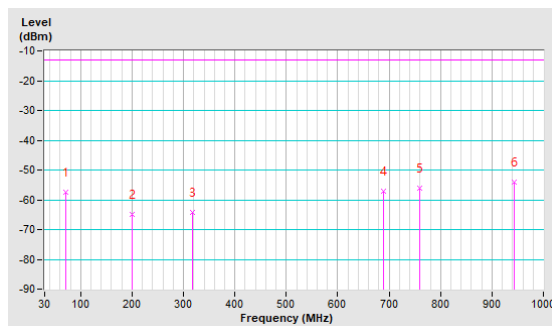


## Antenna Polarity &amp; Test Distance: Vertical at 3 M

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 70.74       | -49.2         | -57.2                 | -0.4                   | -57.6     | -13.0       | -44.6       |
| 2   | 199.75      | -61.7         | -62.5                 | -2.4                   | -64.9     | -13.0       | -51.9       |
| 3   | 318.09      | -61.8         | -68.1                 | 4.0                    | -64.1     | -13.0       | -51.1       |
| 4   | 689.60      | -60.6         | -60.6                 | 3.5                    | -57.1     | -13.0       | -44.1       |
| 5   | 759.44      | -61.0         | -59.8                 | 3.8                    | -56.0     | -13.0       | -43.0       |
| 6   | 943.74      | -61.0         | -57.7                 | 3.7                    | -54.0     | -13.0       | -41.0       |

## Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



# Mode 4

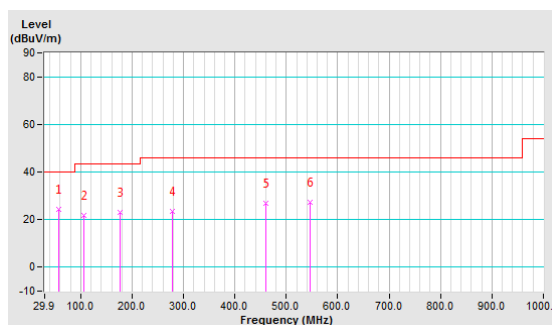
802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 26, CH 26865

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 24.3 QP                 | 40.0           | -15.7       | 1.50 H             | 262                  | 34.4             | -10.1                    |
| 2                                                   | 105.73      | 21.8 QP                 | 43.5           | -21.7       | 1.50 H             | 245                  | 34.7             | -12.9                    |
| 3                                                   | 175.72      | 22.9 QP                 | 43.5           | -20.6       | 1.00 H             | 249                  | 32.8             | -9.9                     |
| 4                                                   | 278.77      | 23.5 QP                 | 46.0           | -22.5       | 1.00 H             | 295                  | 31.5             | -8.0                     |
| 5                                                   | 459.59      | 26.9 QP                 | 46.0           | -19.1       | 1.00 H             | 16                   | 31.2             | -4.3                     |
| 6                                                   | 547.08      | 27.4 QP                 | 46.0           | -18.6       | 1.00 H             | 13                   | 30.2             | -2.8                     |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

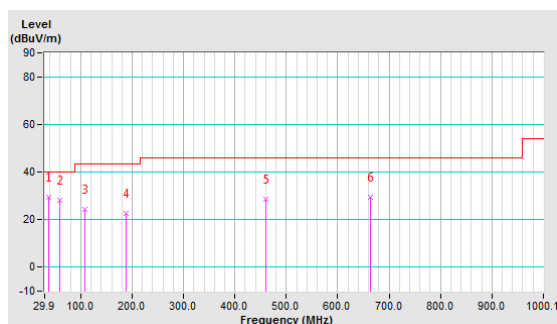


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 37.68          | 29.3 QP                       | 40.0              | -10.7          | 1.00 V                   | 4                          | 40.0                   | -10.7                          |
| 2                                                 | 59.06          | 28.1 QP                       | 40.0              | -11.9          | 1.00 V                   | 276                        | 38.2                   | -10.1                          |
| 3                                                 | 107.67         | 24.4 QP                       | 43.5              | -19.1          | 1.50 V                   | 78                         | 37.0                   | -12.6                          |
| 4                                                 | 187.39         | 22.6 QP                       | 43.5              | -20.9          | 1.00 V                   | 66                         | 33.5                   | -10.9                          |
| 5                                                 | 459.59         | 28.7 QP                       | 46.0              | -17.3          | 2.00 V                   | 178                        | 33.0                   | -4.3                           |
| 6                                                 | 663.74         | 29.4 QP                       | 46.0              | -16.6          | 1.00 V                   | 303                        | 29.8                   | -0.4                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

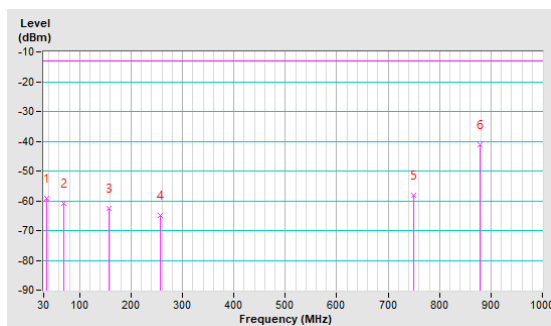


Antenna Polarity & Test Distance: Horizontal at 3 M

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 36.79       | -60.4         | -43.9                 | -15.2                  | -59.1     | -13.0       | -46.1       |
| 2   | 69.77       | -52.2         | -60.1                 | -0.6                   | -60.7     | -13.0       | -47.7       |
| 3   | 158.04      | -55.7         | -60.0                 | -2.7                   | -62.7     | -13.0       | -49.7       |
| 4   | 256.01      | -57.6         | -63.5                 | -1.5                   | -65.0     | -13.0       | -52.0       |
| 5   | 748.77      | -60.1         | -62.0                 | 3.7                    | -58.3     | -13.0       | -45.3       |
| 6   | 877.78      | -46.2         | -44.7                 | 3.4                    | -41.3     | -13.0       | -28.3       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



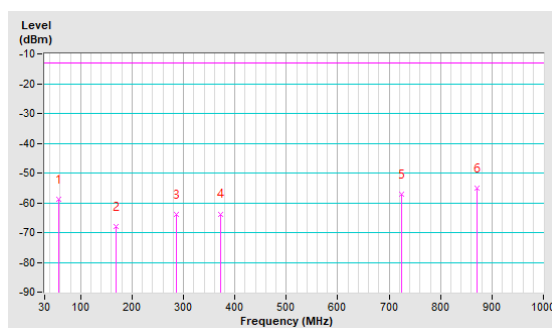
**Antenna Polarity & Test Distance: Vertical at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 58.13       | -49.8         | -54.7                 | -4.2                   | -58.9     | -13.0       | -45.9       |
| 2   | 168.71      | -62.7         | -65.3                 | -2.8                   | -68.1     | -13.0       | -55.1       |
| 3   | 286.08      | -63.8         | -62.2                 | -1.7                   | -63.9     | -13.0       | -50.9       |
| 4   | 371.44      | -61.2         | -67.6                 | 3.9                    | -63.7     | -13.0       | -50.7       |
| 5   | 724.52      | -61.4         | -60.7                 | 3.6                    | -57.1     | -13.0       | -44.1       |
| 6   | 870.99      | -60.4         | -58.5                 | 3.4                    | -55.1     | -13.0       | -42.1       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



## Mode 5

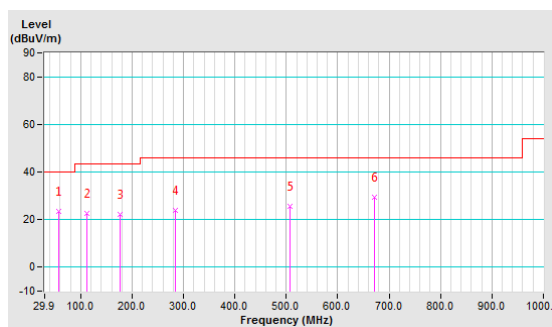
802.11g, CH 6 + Bluetooth EDR, CH 78 + LTE Band 25, CH 26615

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 23.3 QP                 | 40.0           | -16.7       | 1.50 H             | 88                   | 33.4             | -10.1                    |
| 2                                                   | 111.56      | 22.5 QP                 | 43.5           | -21.0       | 1.50 H             | 73                   | 34.9             | -12.4                    |
| 3                                                   | 175.72      | 22.3 QP                 | 43.5           | -21.2       | 1.00 H             | 269                  | 32.2             | -9.9                     |
| 4                                                   | 284.60      | 24.1 QP                 | 46.0           | -21.9       | 1.00 H             | 313                  | 31.8             | -7.7                     |
| 5                                                   | 506.25      | 25.4 QP                 | 46.0           | -20.6       | 2.00 H             | 17                   | 29.0             | -3.6                     |
| 6                                                   | 671.52      | 29.2 QP                 | 46.0           | -16.8       | 1.00 H             | 343                  | 29.5             | -0.3                     |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

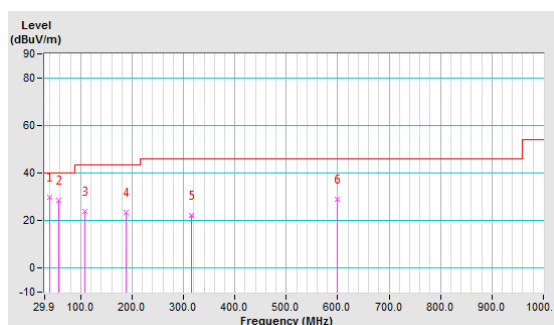


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 39.62          | 29.7 QP                       | 40.0              | -10.3          | 1.00 V                   | 12                         | 40.1                   | -10.4                          |
| 2                                                 | 57.12          | 28.4 QP                       | 40.0              | -11.6          | 1.00 V                   | 16                         | 38.5                   | -10.1                          |
| 3                                                 | 107.67         | 24.1 QP                       | 43.5              | -19.4          | 1.50 V                   | 68                         | 36.7                   | -12.6                          |
| 4                                                 | 187.39         | 23.4 QP                       | 43.5              | -20.1          | 1.00 V                   | 71                         | 34.3                   | -10.9                          |
| 5                                                 | 315.71         | 22.3 QP                       | 46.0              | -23.7          | 1.50 V                   | 206                        | 29.3                   | -7.0                           |
| 6                                                 | 599.58         | 28.9 QP                       | 46.0              | -17.1          | 1.00 V                   | 324                        | 30.1                   | -1.2                           |

Remarks:

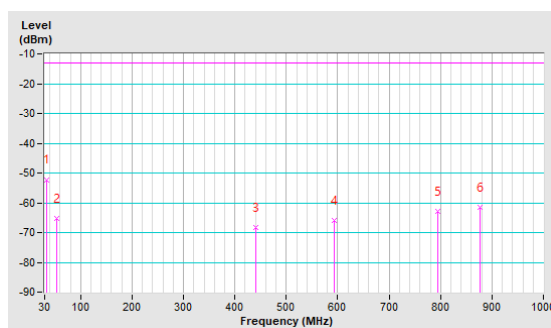
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 33.88       | -55.1         | -35.1                 | -17.1                  | -52.2      | -13.0       | -39.2       |
| 2                                                   | 53.28       | -63.7         | -59.2                 | -6.2                   | -65.4      | -13.0       | -52.4       |
| 3                                                   | 440.31      | -68.1         | -71.8                 | 3.5                    | -68.3      | -13.0       | -55.3       |
| 4                                                   | 592.60      | -67.2         | -69.6                 | 3.7                    | -65.9      | -13.0       | -52.9       |
| 5                                                   | 794.36      | -68.3         | -66.8                 | 4.0                    | -62.8      | -13.0       | -49.8       |
| 6                                                   | 876.81      | -68.7         | -64.9                 | 3.3                    | -61.6      | -13.0       | -48.6       |

Remarks:

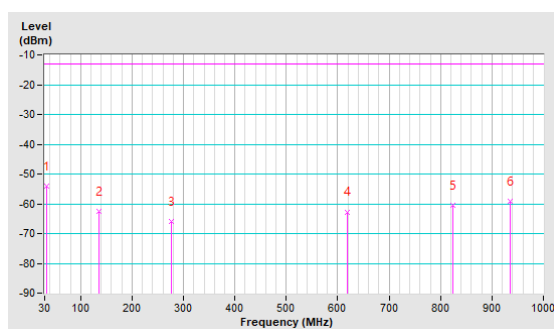
1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 33.88       | -43.4         | -36.9                 | -17.1                  | -54.0      | -13.0       | -41.0       |
| 2                                                 | 135.73      | -59.1         | -59.2                 | -3.2                   | -62.4      | -13.0       | -49.4       |
| 3                                                 | 277.35      | -69.3         | -64.4                 | -1.6                   | -66.0      | -13.0       | -53.0       |
| 4                                                 | 617.82      | -67.5         | -66.4                 | 3.7                    | -62.7      | -13.0       | -49.7       |
| 5                                                 | 824.43      | -67.9         | -64.3                 | 3.9                    | -60.4      | -13.0       | -47.4       |
| 6                                                 | 935.98      | -68.0         | -62.8                 | 3.7                    | -59.1      | -13.0       | -46.1       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



## Mode 6

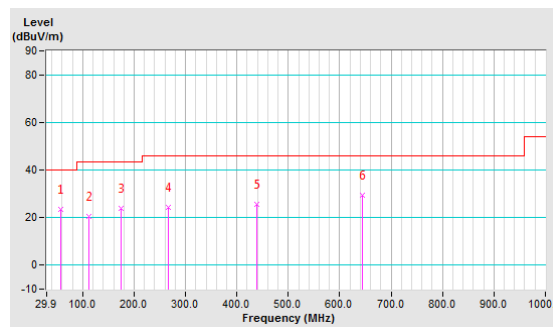
802.11g, CH 6 + Bluetooth LE, CH 0 + LTE Band 25, CH 26615

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 23.5 QP                 | 40.0           | -16.5       | 1.00 H             | 273                  | 33.6             | -10.1                    |
| 2                                                   | 111.56      | 20.6 QP                 | 43.5           | -22.9       | 1.00 H             | 30                   | 33.0             | -12.4                    |
| 3                                                   | 173.78      | 24.0 QP                 | 43.5           | -19.5       | 1.50 H             | 232                  | 33.7             | -9.7                     |
| 4                                                   | 267.10      | 24.3 QP                 | 46.0           | -21.7       | 1.00 H             | 7                    | 32.7             | -8.4                     |
| 5                                                   | 438.20      | 25.4 QP                 | 46.0           | -20.6       | 2.00 H             | 139                  | 29.9             | -4.5                     |
| 6                                                   | 644.30      | 29.3 QP                 | 46.0           | -16.7       | 2.00 H             | 281                  | 29.9             | -0.6                     |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

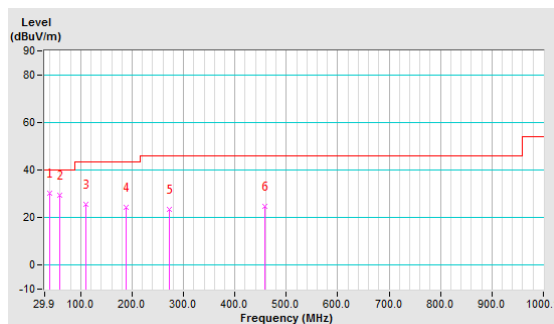


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 39.62          | 30.4 QP                       | 40.0              | -9.6           | 1.50 V                   | 19                         | 40.8                   | -10.4                          |
| 2                                                 | 59.06          | 29.4 QP                       | 40.0              | -10.6          | 1.00 V                   | 286                        | 39.5                   | -10.1                          |
| 3                                                 | 109.62         | 25.5 QP                       | 43.5              | -18.0          | 1.50 V                   | 22                         | 38.0                   | -12.5                          |
| 4                                                 | 187.39         | 24.5 QP                       | 43.5              | -19.0          | 1.00 V                   | 68                         | 35.4                   | -10.9                          |
| 5                                                 | 272.94         | 23.5 QP                       | 46.0              | -22.5          | 2.00 V                   | 45                         | 31.7                   | -8.2                           |
| 6                                                 | 457.64         | 24.9 QP                       | 46.0              | -21.1          | 1.00 V                   | 7                          | 29.2                   | -4.3                           |

#### Remarks:

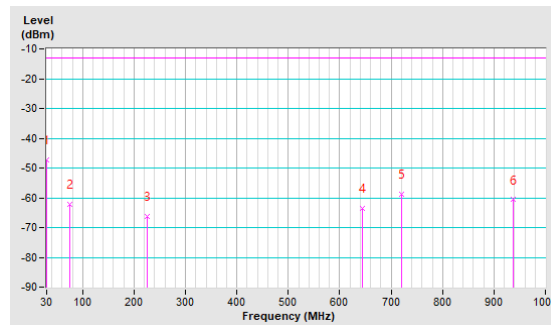
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 30.00       | -51.2         | -27.8                 | -19.4                  | -47.2      | -13.0       | -34.2       |
| 2                                                   | 74.62       | -56.3         | -62.2                 | 0.1                    | -62.1      | -13.0       | -49.1       |
| 3                                                   | 225.94      | -58.5         | -64.7                 | -1.7                   | -66.4      | -13.0       | -53.4       |
| 4                                                   | 644.01      | -65.6         | -67.2                 | 3.7                    | -63.5      | -13.0       | -50.5       |
| 5                                                   | 719.67      | -62.2         | -62.5                 | 3.6                    | -58.9      | -13.0       | -45.9       |
| 6                                                   | 936.95      | -68.9         | -64.4                 | 3.7                    | -60.7      | -13.0       | -47.7       |

Remarks:

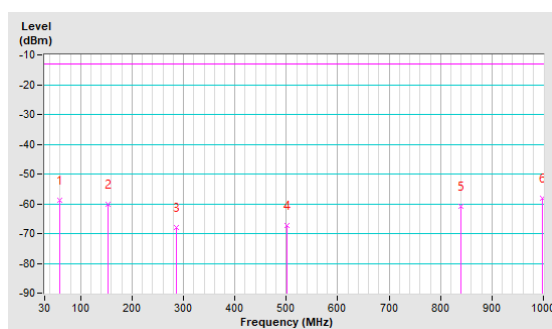
1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 59.10       | -51.9         | -54.9                 | -3.8                   | -58.7      | -13.0       | -45.7       |
| 2                                                 | 153.19      | -58.0         | -57.2                 | -2.9                   | -60.1      | -13.0       | -47.1       |
| 3                                                 | 286.08      | -69.9         | -66.2                 | -1.7                   | -67.9      | -13.0       | -54.9       |
| 4                                                 | 501.42      | -67.3         | -71.2                 | 3.8                    | -67.4      | -13.0       | -54.4       |
| 5                                                 | 839.95      | -68.0         | -64.5                 | 3.8                    | -60.7      | -13.0       | -47.7       |
| 6                                                 | 998.06      | -68.2         | -61.5                 | 3.3                    | -58.2      | -13.0       | -45.2       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



## Mode 7

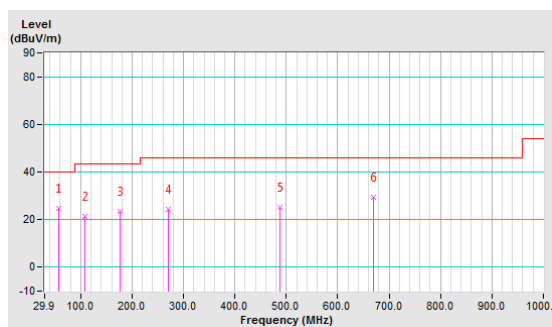
802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 25, CH 26615

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 24.7 QP                 | 40.0           | -15.3       | 1.00 H             | 138                  | 34.8             | -10.1                    |
| 2                                                   | 107.67      | 21.2 QP                 | 43.5           | -22.3       | 1.00 H             | 78                   | 33.8             | -12.6                    |
| 3                                                   | 175.72      | 23.4 QP                 | 43.5           | -20.1       | 1.50 H             | 244                  | 33.3             | -9.9                     |
| 4                                                   | 270.99      | 24.5 QP                 | 46.0           | -21.5       | 1.00 H             | 330                  | 32.8             | -8.3                     |
| 5                                                   | 486.81      | 25.2 QP                 | 46.0           | -20.8       | 1.50 H             | 264                  | 29.1             | -3.9                     |
| 6                                                   | 669.57      | 29.2 QP                 | 46.0           | -16.8       | 1.00 H             | 331                  | 29.5             | -0.3                     |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

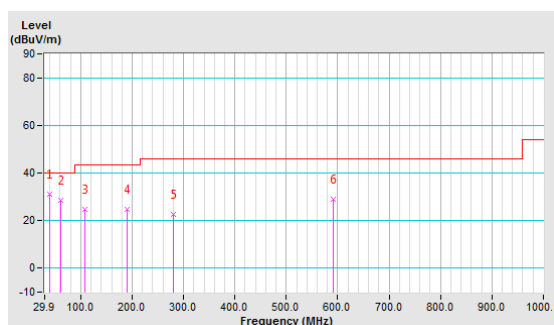


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 39.62          | 31.0 QP                       | 40.0              | -9.0           | 1.50 V                   | 20                         | 41.4                   | -10.4                          |
| 2                                                 | 61.01          | 28.6 QP                       | 40.0              | -11.4          | 1.00 V                   | 200                        | 39.1                   | -10.5                          |
| 3                                                 | 107.67         | 24.7 QP                       | 43.5              | -18.8          | 1.00 V                   | 74                         | 37.3                   | -12.6                          |
| 4                                                 | 189.33         | 24.6 QP                       | 43.5              | -18.9          | 1.50 V                   | 52                         | 35.7                   | -11.1                          |
| 5                                                 | 280.71         | 22.6 QP                       | 46.0              | -23.4          | 2.00 V                   | 66                         | 30.4                   | -7.8                           |
| 6                                                 | 591.80         | 29.1 QP                       | 46.0              | -16.9          | 1.00 V                   | 20                         | 30.5                   | -1.4                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

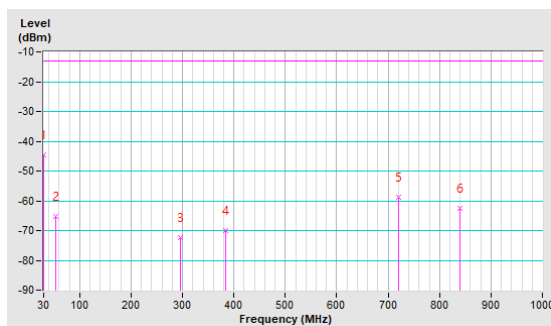


**Antenna Polarity & Test Distance: Horizontal at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| 1   | 30.97       | -48.3         | -25.8                 | -18.8                  | -44.6      | -13.0       | -31.6       |
| 2   | 53.28       | -63.7         | -59.2                 | -6.2                   | -65.4      | -13.0       | -52.4       |
| 3   | 295.78      | -69.4         | -70.5                 | -1.8                   | -72.3      | -13.0       | -59.3       |
| 4   | 384.05      | -69.0         | -73.4                 | 3.5                    | -69.9      | -13.0       | -56.9       |
| 5   | 719.67      | -62.2         | -62.5                 | 3.6                    | -58.9      | -13.0       | -45.9       |
| 6   | 839.95      | -69.3         | -66.4                 | 3.8                    | -62.6      | -13.0       | -49.6       |

Remarks:

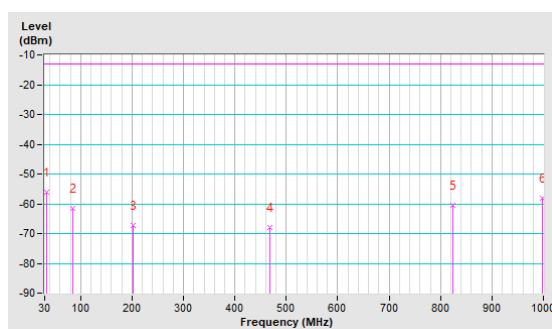
1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 34.85       | -45.9         | -39.6                 | -16.5                  | -56.1      | -13.0       | -43.1       |
| 2                                                 | 85.29       | -55.9         | -61.7                 | 0.3                    | -61.4      | -13.0       | -48.4       |
| 3                                                 | 202.66      | -65.8         | -65.2                 | -2.1                   | -67.3      | -13.0       | -54.3       |
| 4                                                 | 468.44      | -67.7         | -71.4                 | 3.5                    | -67.9      | -13.0       | -54.9       |
| 5                                                 | 824.43      | -67.9         | -64.3                 | 3.9                    | -60.4      | -13.0       | -47.4       |
| 6                                                 | 998.06      | -68.2         | -61.5                 | 3.3                    | -58.2      | -13.0       | -45.2       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



## Mode 8

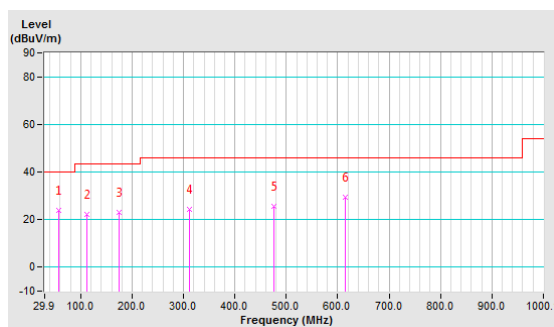
802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 25, CH 26615

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 23.8 QP                 | 40.0           | -16.2       | 1.50 H             | 118                  | 33.9             | -10.1                    |
| 2                                                   | 111.56      | 22.1 QP                 | 43.5           | -21.4       | 1.00 H             | 39                   | 34.5             | -12.4                    |
| 3                                                   | 173.78      | 23.0 QP                 | 43.5           | -20.5       | 1.00 H             | 254                  | 32.7             | -9.7                     |
| 4                                                   | 311.82      | 24.4 QP                 | 46.0           | -21.6       | 2.00 H             | 350                  | 31.4             | -7.0                     |
| 5                                                   | 475.14      | 25.7 QP                 | 46.0           | -20.3       | 1.00 H             | 59                   | 29.8             | -4.1                     |
| 6                                                   | 615.13      | 29.2 QP                 | 46.0           | -16.8       | 1.00 H             | 15                   | 30.0             | -0.8                     |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

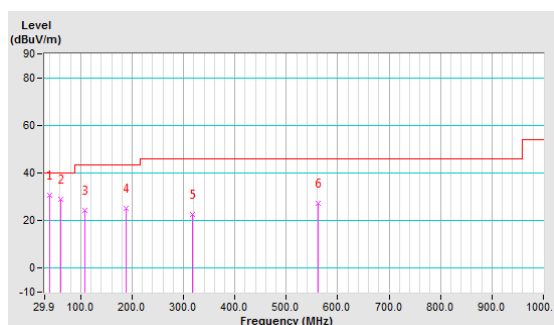


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|---------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                               | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                 | 39.62       | 30.8 QP                 | 40.0           | -9.2        | 1.00 V             | 117                  | 41.2             | -10.4                    |
| 2                                                 | 61.01       | 28.9 QP                 | 40.0           | -11.1       | 1.00 V             | 204                  | 39.4             | -10.5                    |
| 3                                                 | 107.67      | 24.5 QP                 | 43.5           | -19.0       | 1.50 V             | 78                   | 37.1             | -12.6                    |
| 4                                                 | 187.39      | 25.3 QP                 | 43.5           | -18.2       | 1.00 V             | 58                   | 36.2             | -10.9                    |
| 5                                                 | 317.65      | 22.8 QP                 | 46.0           | -23.2       | 1.50 V             | 194                  | 29.8             | -7.0                     |
| 6                                                 | 562.64      | 27.4 QP                 | 46.0           | -18.6       | 1.00 V             | 16                   | 29.8             | -2.4                     |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

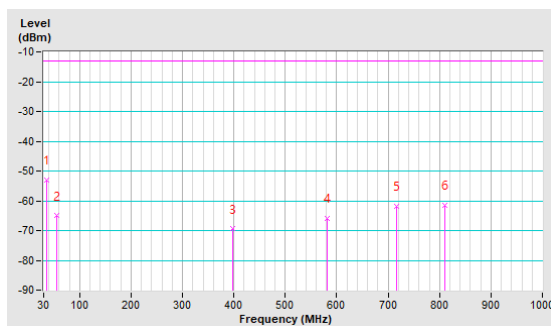


**Antenna Polarity & Test Distance: Horizontal at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| 1   | 36.79       | -56.5         | -37.9                 | -15.2                  | -53.1      | -13.0       | -40.1       |
| 2   | 56.19       | -62.0         | -60.0                 | -5.1                   | -65.1      | -13.0       | -52.1       |
| 3   | 398.60      | -68.8         | -72.8                 | 3.3                    | -69.5      | -13.0       | -56.5       |
| 4   | 581.93      | -67.2         | -69.7                 | 3.7                    | -66.0      | -13.0       | -53.0       |
| 5   | 715.79      | -65.1         | -65.4                 | 3.5                    | -61.9      | -13.0       | -48.9       |
| 6   | 810.85      | -67.4         | -65.6                 | 4.0                    | -61.6      | -13.0       | -48.6       |

Remarks:

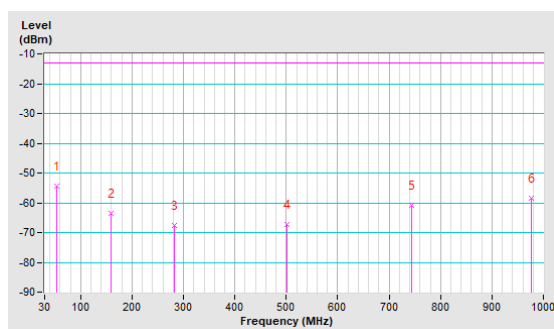
1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 54.25       | -47.6         | -48.7                 | -5.7                   | -54.4      | -13.0       | -41.4       |
| 2                                                 | 159.01      | -60.6         | -60.8                 | -2.8                   | -63.6      | -13.0       | -50.6       |
| 3                                                 | 282.20      | -70.3         | -65.8                 | -1.7                   | -67.5      | -13.0       | -54.5       |
| 4                                                 | 501.42      | -67.3         | -71.2                 | 3.8                    | -67.4      | -13.0       | -54.4       |
| 5                                                 | 742.95      | -67.9         | -64.6                 | 3.6                    | -61.0      | -13.0       | -48.0       |
| 6                                                 | 975.75      | -68.0         | -62.2                 | 3.6                    | -58.6      | -13.0       | -45.6       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



### Mode 9

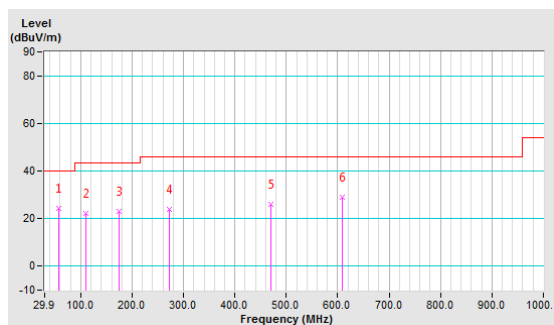
802.11g, CH 6 + Bluetooth EDR, CH 78 + LTE Band 12, CH 23095

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 24.2 QP                 | 40.0           | -15.8       | 2.00 H             | 240                  | 34.3             | -10.1                    |
| 2                                                   | 109.62      | 22.1 QP                 | 43.5           | -21.4       | 1.00 H             | 50                   | 34.6             | -12.5                    |
| 3                                                   | 173.78      | 23.1 QP                 | 43.5           | -20.4       | 2.00 H             | 250                  | 32.8             | -9.7                     |
| 4                                                   | 272.94      | 24.1 QP                 | 46.0           | -21.9       | 1.50 H             | 336                  | 32.3             | -8.2                     |
| 5                                                   | 469.31      | 25.9 QP                 | 46.0           | -20.1       | 1.00 H             | 268                  | 30.1             | -4.2                     |
| 6                                                   | 609.30      | 29.1 QP                 | 46.0           | -16.9       | 1.00 H             | 325                  | 30.1             | -1.0                     |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

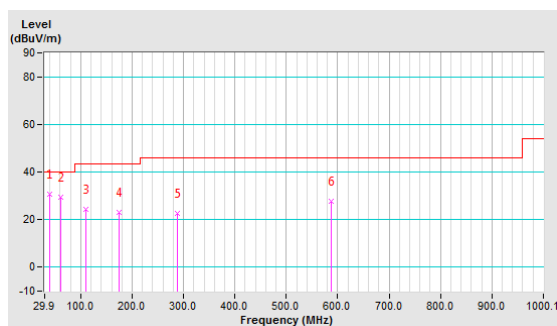


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 39.62          | 30.6 QP                       | 40.0              | -9.4           | 1.00 V                   | 7                          | 41.0                   | -10.4                          |
| 2                                                 | 61.01          | 29.6 QP                       | 40.0              | -10.4          | 1.00 V                   | 233                        | 40.1                   | -10.5                          |
| 3                                                 | 109.62         | 24.2 QP                       | 43.5              | -19.3          | 1.50 V                   | 45                         | 36.7                   | -12.5                          |
| 4                                                 | 173.78         | 23.2 QP                       | 43.5              | -20.3          | 1.00 V                   | 343                        | 32.9                   | -9.7                           |
| 5                                                 | 288.49         | 22.5 QP                       | 46.0              | -23.5          | 2.00 V                   | 57                         | 30.1                   | -7.6                           |
| 6                                                 | 587.91         | 27.9 QP                       | 46.0              | -18.1          | 1.00 V                   | 74                         | 29.4                   | -1.5                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

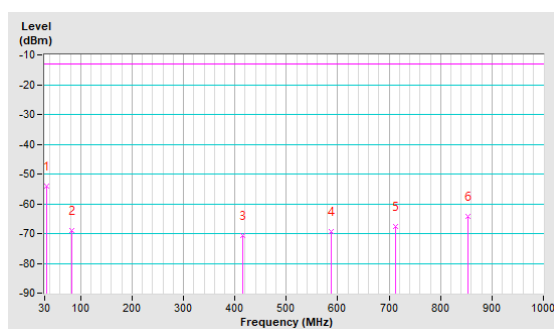


| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 34.85       | -57.2         | -37.6                 | -16.5                  | -54.1     | -13.0       | -41.1       |
| 2                                                   | 82.38       | -63.7         | -69.5                 | 0.4                    | -69.1     | -13.0       | -56.1       |
| 3                                                   | 416.06      | -70.7         | -74.1                 | 3.4                    | -70.7     | -13.0       | -57.7       |
| 4                                                   | 586.78      | -70.4         | -73.0                 | 3.8                    | -69.2     | -13.0       | -56.2       |
| 5                                                   | 711.91      | -70.9         | -71.2                 | 3.5                    | -67.7     | -13.0       | -54.7       |
| 6                                                   | 853.53      | -70.9         | -67.7                 | 3.4                    | -64.3     | -13.0       | -51.3       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



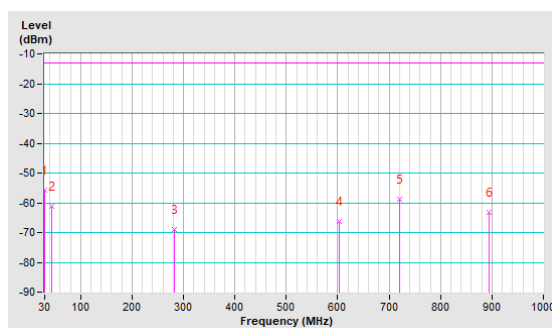
**Antenna Polarity & Test Distance: Vertical at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 30.97       | -45.7         | -37.1                 | -18.8                  | -55.9     | -13.0       | -42.9       |
| 2   | 44.55       | -52.8         | -50.3                 | -10.9                  | -61.2     | -13.0       | -48.2       |
| 3   | 282.20      | -71.7         | -67.2                 | -1.7                   | -68.9     | -13.0       | -55.9       |
| 4   | 603.27      | -70.1         | -69.9                 | 3.7                    | -66.2     | -13.0       | -53.2       |
| 5   | 720.64      | -65.0         | -62.4                 | 3.6                    | -58.8     | -13.0       | -45.8       |
| 6   | 894.27      | -71.5         | -66.7                 | 3.5                    | -63.2     | -13.0       | -50.2       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



# Mode 10

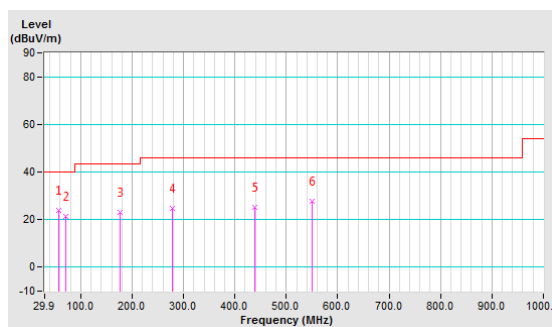
802.11g, CH 6 + Bluetooth LE, CH 0 + LTE Band 12, CH 23095

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 23.9 QP                 | 40.0           | -16.1       | 1.50 H             | 214                  | 34.0             | -10.1                    |
| 2                                                   | 70.73       | 21.2 QP                 | 40.0           | -18.8       | 1.00 H             | 17                   | 33.2             | -12.0                    |
| 3                                                   | 175.72      | 23.0 QP                 | 43.5           | -20.5       | 1.50 H             | 244                  | 32.9             | -9.9                     |
| 4                                                   | 278.77      | 24.8 QP                 | 46.0           | -21.2       | 1.00 H             | 5                    | 32.8             | -8.0                     |
| 5                                                   | 438.20      | 25.3 QP                 | 46.0           | -20.7       | 2.00 H             | 33                   | 29.8             | -4.5                     |
| 6                                                   | 550.97      | 27.7 QP                 | 46.0           | -18.3       | 1.00 H             | 135                  | 30.5             | -2.8                     |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

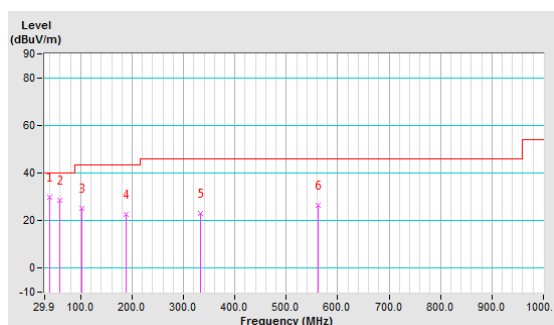


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 39.62          | 29.7 QP                       | 40.0              | -10.3          | 1.50 V                   | 52                         | 40.1                   | -10.4                          |
| 2                                                 | 59.06          | 28.6 QP                       | 40.0              | -11.4          | 1.50 V                   | 213                        | 38.7                   | -10.1                          |
| 3                                                 | 101.84         | 25.0 QP                       | 43.5              | -18.5          | 1.00 V                   | 54                         | 38.4                   | -13.4                          |
| 4                                                 | 187.39         | 22.7 QP                       | 43.5              | -20.8          | 1.00 V                   | 64                         | 33.6                   | -10.9                          |
| 5                                                 | 333.21         | 23.0 QP                       | 46.0              | -23.0          | 2.00 V                   | 347                        | 29.7                   | -6.7                           |
| 6                                                 | 562.64         | 26.6 QP                       | 46.0              | -19.4          | 1.00 V                   | 117                        | 29.0                   | -2.4                           |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

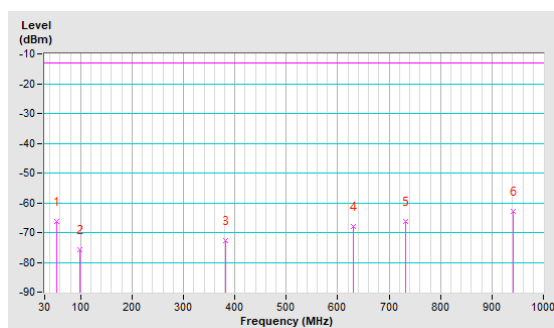


## Antenna Polarity &amp; Test Distance: Horizontal at 3 M

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 53.28       | -64.7         | -60.2                 | -6.2                   | -66.4     | -13.0       | -53.4       |
| 2   | 97.90       | -66.9         | -74.2                 | -1.4                   | -75.6     | -13.0       | -62.6       |
| 3   | 382.11      | -71.3         | -76.1                 | 3.5                    | -72.6     | -13.0       | -59.6       |
| 4   | 630.43      | -70.1         | -71.6                 | 3.6                    | -68.0     | -13.0       | -55.0       |
| 5   | 732.28      | -70.2         | -69.8                 | 3.6                    | -66.2     | -13.0       | -53.2       |
| 6   | 941.80      | -71.4         | -66.8                 | 3.8                    | -63.0     | -13.0       | -50.0       |

## Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



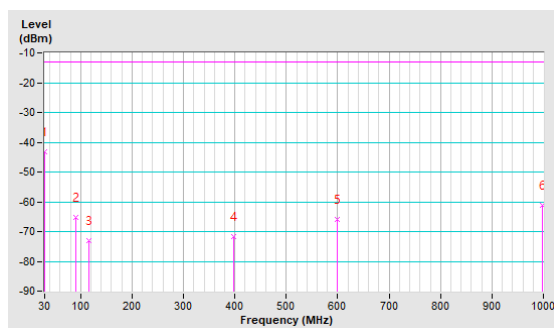
**Antenna Polarity & Test Distance: Vertical at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 30.00       | -33.2         | -23.7                 | -19.4                  | -43.1     | -13.0       | -30.1       |
| 2   | 90.14       | -58.9         | -65.0                 | -0.2                   | -65.2     | -13.0       | -52.2       |
| 3   | 116.33      | -65.8         | -70.0                 | -3.0                   | -73.0     | -13.0       | -60.0       |
| 4   | 398.60      | -71.0         | -75.1                 | 3.3                    | -71.8     | -13.0       | -58.8       |
| 5   | 599.39      | -69.7         | -69.9                 | 3.8                    | -66.1     | -13.0       | -53.1       |
| 6   | 998.06      | -71.2         | -64.5                 | 3.3                    | -61.2     | -13.0       | -48.2       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



# Mode 11

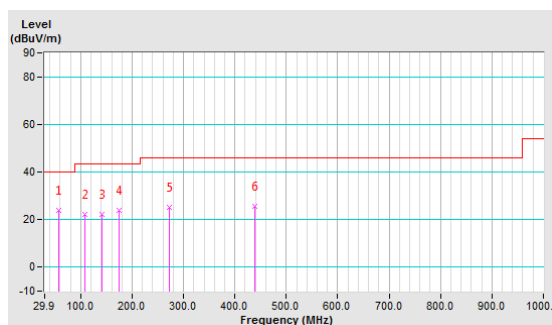
802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 12, CH 23095

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 24.1 QP                 | 40.0           | -15.9       | 1.50 H             | 148                  | 34.2             | -10.1                    |
| 2                                                   | 107.67      | 22.1 QP                 | 43.5           | -21.4       | 1.00 H             | 248                  | 34.7             | -12.6                    |
| 3                                                   | 140.72      | 22.3 QP                 | 43.5           | -21.2       | 1.50 H             | 266                  | 31.9             | -9.6                     |
| 4                                                   | 173.78      | 23.8 QP                 | 43.5           | -19.7       | 1.00 H             | 246                  | 33.5             | -9.7                     |
| 5                                                   | 272.94      | 25.2 QP                 | 46.0           | -20.8       | 1.00 H             | 25                   | 33.4             | -8.2                     |
| 6                                                   | 438.20      | 25.4 QP                 | 46.0           | -20.6       | 2.00 H             | 142                  | 29.9             | -4.5                     |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

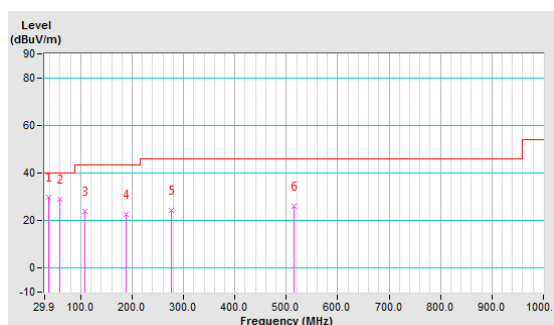


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 37.68          | 30.0 QP                       | 40.0              | -10.0          | 1.00 V                   | 6                          | 40.7                   | -10.7                          |
| 2                                                 | 59.06          | 29.0 QP                       | 40.0              | -11.0          | 1.00 V                   | 216                        | 39.1                   | -10.1                          |
| 3                                                 | 107.67         | 23.9 QP                       | 43.5              | -19.6          | 1.50 V                   | 46                         | 36.5                   | -12.6                          |
| 4                                                 | 187.39         | 22.8 QP                       | 43.5              | -20.7          | 1.00 V                   | 15                         | 33.7                   | -10.9                          |
| 5                                                 | 276.82         | 24.2 QP                       | 46.0              | -21.8          | 1.50 V                   | 70                         | 32.2                   | -8.0                           |
| 6                                                 | 515.97         | 25.9 QP                       | 46.0              | -20.1          | 1.50 V                   | 66                         | 29.2                   | -3.3                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

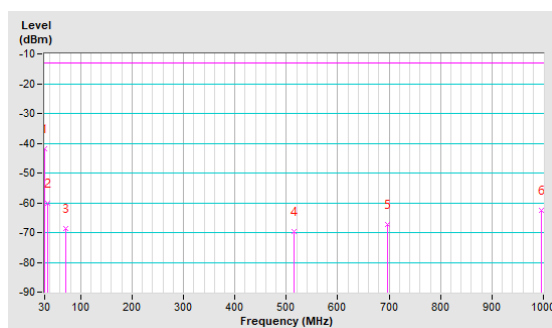


Antenna Polarity & Test Distance: Horizontal at 3 M

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 30.00       | -45.8         | -22.4                 | -19.4                  | -41.8     | -13.0       | -28.8       |
| 2   | 36.79       | -63.5         | -44.9                 | -15.2                  | -60.1     | -13.0       | -47.1       |
| 3   | 70.74       | -62.5         | -68.3                 | -0.4                   | -68.7     | -13.0       | -55.7       |
| 4   | 515.00      | -69.8         | -73.4                 | 3.8                    | -69.6     | -13.0       | -56.6       |
| 5   | 697.36      | -69.9         | -70.5                 | 3.3                    | -67.2     | -13.0       | -54.2       |
| 6   | 996.12      | -71.4         | -65.8                 | 3.3                    | -62.5     | -13.0       | -49.5       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



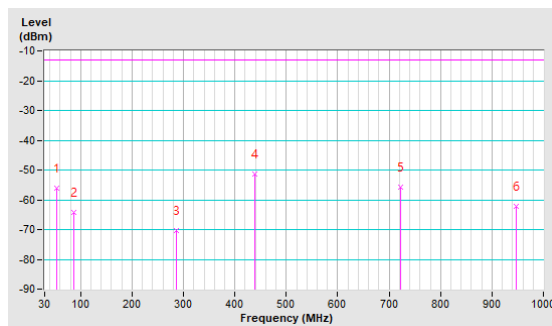
**Antenna Polarity & Test Distance: Vertical at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 53.28       | -49.3         | -50.0                 | -6.2                   | -56.2     | -13.0       | -43.2       |
| 2   | 87.23       | -58.1         | -64.2                 | -0.1                   | -64.3     | -13.0       | -51.3       |
| 3   | 287.05      | -72.0         | -68.5                 | -1.7                   | -70.2     | -13.0       | -57.2       |
| 4   | 438.37      | -51.3         | -54.9                 | 3.6                    | -51.3     | -13.0       | -38.3       |
| 5   | 721.61      | -61.9         | -59.3                 | 3.6                    | -55.7     | -13.0       | -42.7       |
| 6   | 947.62      | -71.5         | -66.0                 | 3.8                    | -62.2     | -13.0       | -49.2       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



## Mode 12

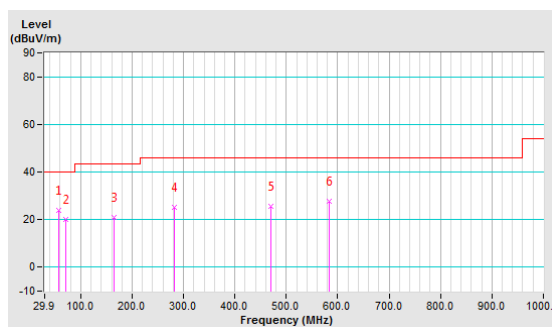
802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 12, CH 23095

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 24.1 QP                 | 40.0           | -15.9       | 1.50 H             | 214                  | 34.2             | -10.1                    |
| 2                                                   | 70.73       | 20.2 QP                 | 40.0           | -19.8       | 1.00 H             | 21                   | 32.2             | -12.0                    |
| 3                                                   | 164.06      | 20.9 QP                 | 43.5           | -22.6       | 1.50 H             | 31                   | 29.9             | -9.0                     |
| 4                                                   | 282.66      | 25.0 QP                 | 46.0           | -21.0       | 1.00 H             | 345                  | 32.8             | -7.8                     |
| 5                                                   | 469.31      | 25.7 QP                 | 46.0           | -20.3       | 1.50 H             | 140                  | 29.9             | -4.2                     |
| 6                                                   | 584.02      | 27.9 QP                 | 46.0           | -18.1       | 1.00 H             | 115                  | 29.5             | -1.6                     |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

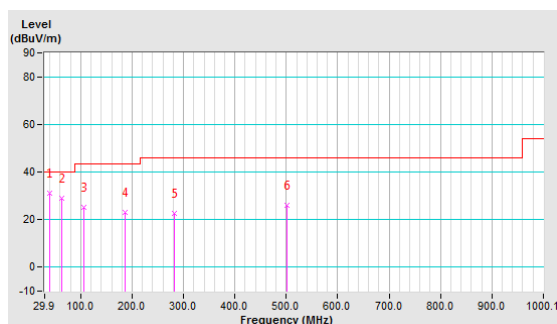


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 39.62          | 30.9 QP                       | 40.0              | -9.1           | 1.00 V                   | 18                         | 41.3                   | -10.4                          |
| 2                                                 | 62.95          | 29.1 QP                       | 40.0              | -10.9          | 1.00 V                   | 182                        | 39.4                   | -10.3                          |
| 3                                                 | 105.73         | 25.3 QP                       | 43.5              | -18.2          | 2.00 V                   | 52                         | 38.2                   | -12.9                          |
| 4                                                 | 185.44         | 23.1 QP                       | 43.5              | -20.4          | 1.00 V                   | 79                         | 33.8                   | -10.7                          |
| 5                                                 | 282.66         | 22.8 QP                       | 46.0              | -23.2          | 1.50 V                   | 62                         | 30.6                   | -7.8                           |
| 6                                                 | 500.42         | 26.0 QP                       | 46.0              | -20.0          | 1.00 V                   | 122                        | 29.6                   | -3.6                           |

Remarks:

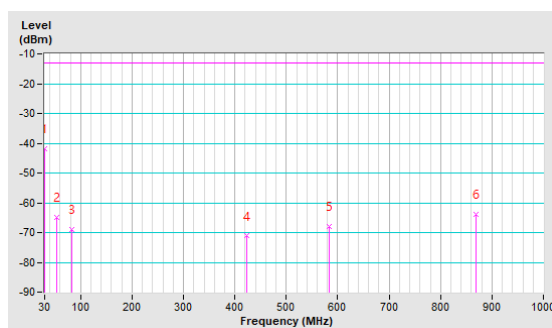
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 30.00       | -45.8         | -22.4                 | -19.4                  | -41.8     | -13.0       | -28.8       |
| 2                                                   | 54.25       | -62.8         | -59.1                 | -5.7                   | -64.8     | -13.0       | -51.8       |
| 3                                                   | 82.38       | -63.7         | -69.5                 | 0.4                    | -69.1     | -13.0       | -56.1       |
| 4                                                   | 423.82      | -70.9         | -74.6                 | 3.4                    | -71.2     | -13.0       | -58.2       |
| 5                                                   | 582.90      | -69.2         | -71.8                 | 3.8                    | -68.0     | -13.0       | -55.0       |
| 6                                                   | 869.05      | -71.0         | -67.2                 | 3.3                    | -63.9     | -13.0       | -50.9       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

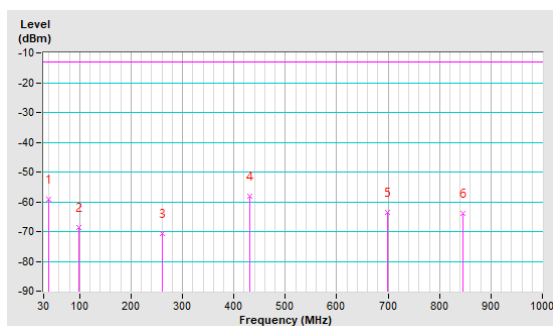


**Antenna Polarity & Test Distance: Vertical at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 39.70       | -49.4         | -45.3                 | -13.7                  | -59.0     | -13.0       | -46.0       |
| 2   | 97.90       | -60.4         | -67.1                 | -1.4                   | -68.5     | -13.0       | -55.5       |
| 3   | 259.89      | -71.5         | -69.1                 | -1.5                   | -70.6     | -13.0       | -57.6       |
| 4   | 431.58      | -57.7         | -61.5                 | 3.5                    | -58.0     | -13.0       | -45.0       |
| 5   | 698.33      | -69.3         | -66.9                 | 3.4                    | -63.5     | -13.0       | -50.5       |
| 6   | 845.77      | -70.9         | -67.3                 | 3.4                    | -63.9     | -13.0       | -50.9       |

**Remarks:**

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



### Mode 13

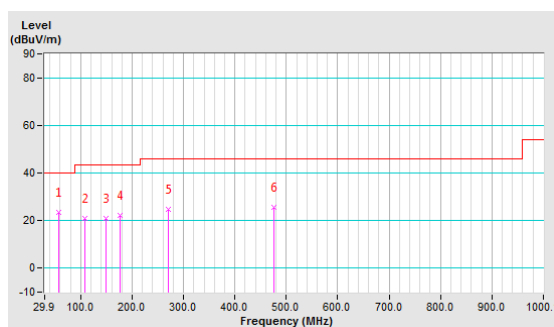
802.11g, CH 6 + Bluetooth EDR, CH 78 + LTE Band 26, CH 2697

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 57.12          | 23.6 QP                       | 40.0              | -16.4          | 1.00 H                   | 199                        | 33.7                   | -10.1                          |
| 2                                                   | 107.67         | 21.0 QP                       | 43.5              | -22.5          | 1.00 H                   | 259                        | 33.6                   | -12.6                          |
| 3                                                   | 148.50         | 21.1 QP                       | 43.5              | -22.4          | 2.00 H                   | 123                        | 30.3                   | -9.2                           |
| 4                                                   | 175.72         | 22.3 QP                       | 43.5              | -21.2          | 2.00 H                   | 243                        | 32.2                   | -9.9                           |
| 5                                                   | 270.99         | 24.9 QP                       | 46.0              | -21.1          | 1.00 H                   | 6                          | 33.2                   | -8.3                           |
| 6                                                   | 475.14         | 25.5 QP                       | 46.0              | -20.5          | 1.50 H                   | 95                         | 29.6                   | -4.1                           |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

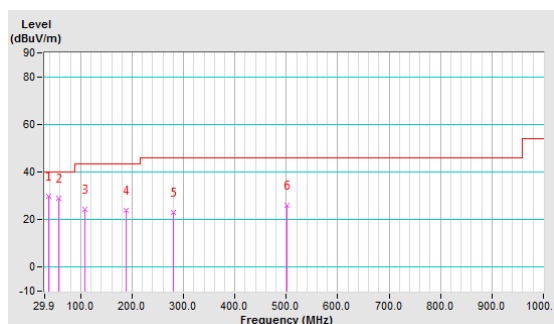


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|---------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                               | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                 | 37.68       | 30.0 QP                 | 40.0           | -10.0       | 1.50 V             | 47                   | 40.7             | -10.7                    |
| 2                                                 | 57.12       | 29.1 QP                 | 40.0           | -10.9       | 1.00 V             | 292                  | 39.2             | -10.1                    |
| 3                                                 | 107.67      | 24.2 QP                 | 43.5           | -19.3       | 1.50 V             | 154                  | 36.8             | -12.6                    |
| 4                                                 | 187.39      | 23.8 QP                 | 43.5           | -19.7       | 1.00 V             | 68                   | 34.7             | -10.9                    |
| 5                                                 | 280.71      | 23.0 QP                 | 46.0           | -23.0       | 2.00 V             | 64                   | 30.8             | -7.8                     |
| 6                                                 | 500.42      | 26.2 QP                 | 46.0           | -19.8       | 1.00 V             | 264                  | 29.8             | -3.6                     |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

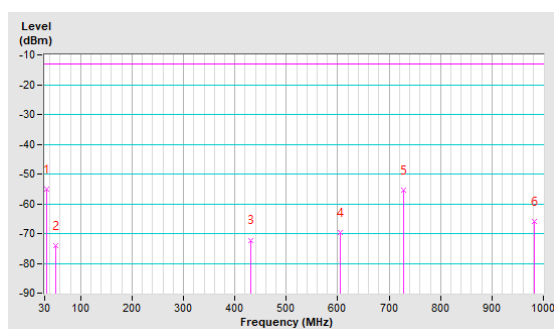


| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 33.88       | -55.8         | -37.9                 | -17.1                  | -55.0     | -13.0       | -42.0       |
| 2                                                   | 52.31       | -70.5         | -67.4                 | -6.8                   | -74.2     | -13.0       | -61.2       |
| 3                                                   | 431.58      | -69.7         | -75.7                 | 3.5                    | -72.2     | -13.0       | -59.2       |
| 4                                                   | 604.24      | -69.0         | -73.2                 | 3.6                    | -69.6     | -13.0       | -56.6       |
| 5                                                   | 728.40      | -57.0         | -59.1                 | 3.6                    | -55.5     | -13.0       | -42.5       |
| 6                                                   | 981.57      | -72.6         | -69.4                 | 3.5                    | -65.9     | -13.0       | -52.9       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

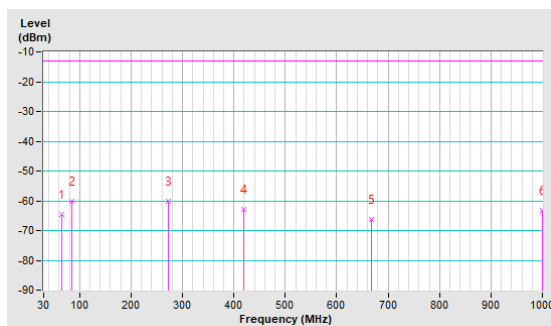


**Antenna Polarity & Test Distance: Vertical at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 64.92       | -55.4         | -62.6                 | -1.9                   | -64.5     | -13.0       | -51.5       |
| 2   | 84.32       | -53.1         | -60.7                 | 0.4                    | -60.3     | -13.0       | -47.3       |
| 3   | 272.50      | -60.4         | -58.6                 | -1.5                   | -60.1     | -13.0       | -47.1       |
| 4   | 418.97      | -60.5         | -66.5                 | 3.5                    | -63.0     | -13.0       | -50.0       |
| 5   | 667.29      | -69.5         | -69.9                 | 3.6                    | -66.3     | -13.0       | -53.3       |
| 6   | 1000.00     | -71.2         | -66.4                 | 3.2                    | -63.2     | -13.0       | -50.2       |

**Remarks:**

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



## Mode 14

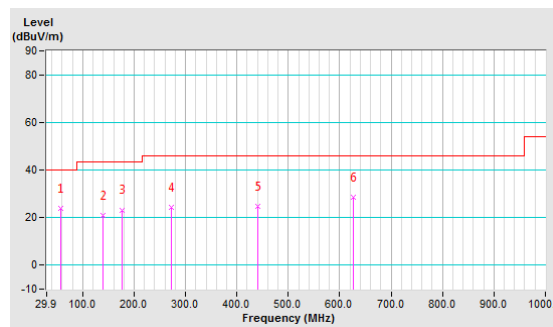
802.11g, CH 6 + Bluetooth LE, CH 0 + LTE Band 26, CH 2697

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 24.0 QP                 | 40.0           | -16.0       | 1.50 H             | 33                   | 34.1             | -10.1                    |
| 2                                                   | 138.78      | 21.0 QP                 | 43.5           | -22.5       | 1.50 H             | 250                  | 30.8             | -9.8                     |
| 3                                                   | 175.72      | 23.3 QP                 | 43.5           | -20.2       | 1.00 H             | 252                  | 33.2             | -9.9                     |
| 4                                                   | 272.94      | 24.3 QP                 | 46.0           | -21.7       | 1.00 H             | 7                    | 32.5             | -8.2                     |
| 5                                                   | 440.14      | 24.8 QP                 | 46.0           | -21.2       | 1.50 H             | 250                  | 29.2             | -4.4                     |
| 6                                                   | 626.80      | 28.6 QP                 | 46.0           | -17.4       | 1.00 H             | 15                   | 29.3             | -0.7                     |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

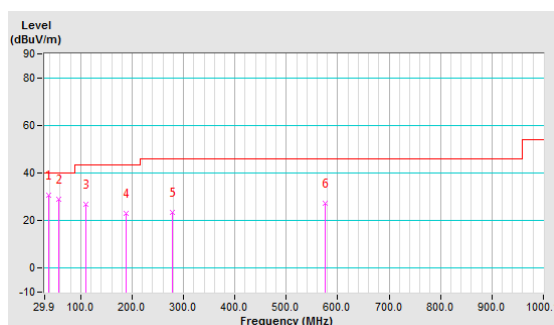


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 37.68          | 30.5 QP                       | 40.0              | -9.5           | 1.50 V                   | 5                          | 41.2                   | -10.7                          |
| 2                                                 | 57.12          | 29.1 QP                       | 40.0              | -10.9          | 1.00 V                   | 5                          | 39.2                   | -10.1                          |
| 3                                                 | 109.62         | 26.7 QP                       | 43.5              | -16.8          | 1.00 V                   | 48                         | 39.2                   | -12.5                          |
| 4                                                 | 187.39         | 22.9 QP                       | 43.5              | -20.6          | 2.00 V                   | 58                         | 33.8                   | -10.9                          |
| 5                                                 | 278.77         | 23.4 QP                       | 46.0              | -22.6          | 1.00 V                   | 64                         | 31.4                   | -8.0                           |
| 6                                                 | 576.25         | 27.3 QP                       | 46.0              | -18.7          | 1.50 V                   | 125                        | 29.3                   | -2.0                           |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

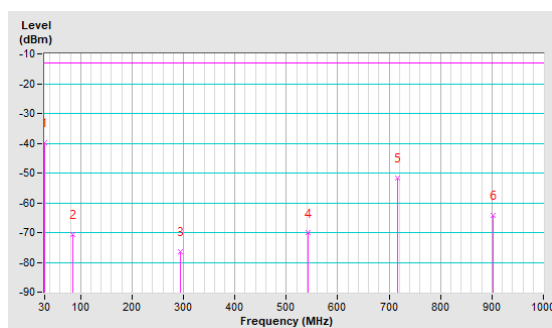


| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 30.00       | -41.6         | -20.4                 | -19.4                  | -39.8     | -13.0       | -26.8       |
| 2                                                   | 85.29       | -62.2         | -71.1                 | 0.3                    | -70.8     | -13.0       | -57.8       |
| 3                                                   | 294.81      | -71.2         | -74.7                 | -1.8                   | -76.5     | -13.0       | -63.5       |
| 4                                                   | 543.13      | -68.5         | -74.1                 | 3.9                    | -70.2     | -13.0       | -57.2       |
| 5                                                   | 715.79      | -52.8         | -55.3                 | 3.5                    | -51.8     | -13.0       | -38.8       |
| 6                                                   | 902.03      | -69.7         | -67.7                 | 3.5                    | -64.2     | -13.0       | -51.2       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

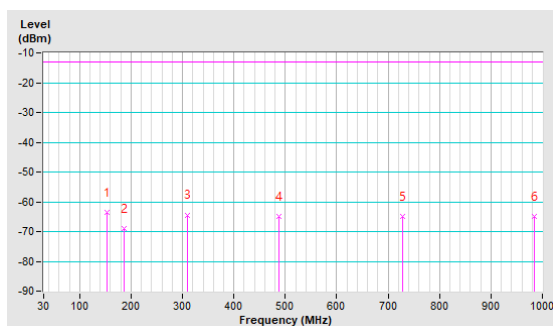


## Antenna Polarity &amp; Test Distance: Vertical at 3 M

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 153.19      | -59.4         | -60.7                 | -2.9                   | -63.6     | -13.0       | -50.6       |
| 2   | 186.17      | -64.3         | -66.5                 | -2.6                   | -69.1     | -13.0       | -56.1       |
| 3   | 309.36      | -62.3         | -68.3                 | 3.9                    | -64.4     | -13.0       | -51.4       |
| 4   | 487.84      | -62.6         | -68.7                 | 3.7                    | -65.0     | -13.0       | -52.0       |
| 5   | 727.43      | -69.3         | -68.6                 | 3.6                    | -65.0     | -13.0       | -52.0       |
| 6   | 984.48      | -72.0         | -68.3                 | 3.5                    | -64.8     | -13.0       | -51.8       |

## Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



# Mode 15

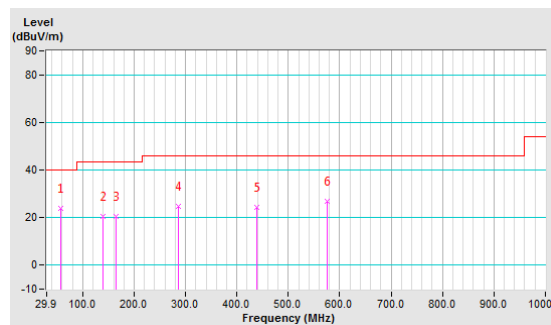
802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 26, CH 2697

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 24.1 QP                 | 40.0           | -15.9       | 1.50 H             | 311                  | 34.2             | -10.1                    |
| 2                                                   | 138.78      | 20.6 QP                 | 43.5           | -22.9       | 1.00 H             | 109                  | 30.4             | -9.8                     |
| 3                                                   | 164.06      | 20.6 QP                 | 43.5           | -22.9       | 1.50 H             | 63                   | 29.6             | -9.0                     |
| 4                                                   | 286.55      | 24.9 QP                 | 46.0           | -21.1       | 1.00 H             | 317                  | 32.5             | -7.6                     |
| 5                                                   | 438.20      | 24.5 QP                 | 46.0           | -21.5       | 2.00 H             | 153                  | 29.0             | -4.5                     |
| 6                                                   | 576.25      | 27.0 QP                 | 46.0           | -19.0       | 1.00 H             | 195                  | 29.0             | -2.0                     |

## Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

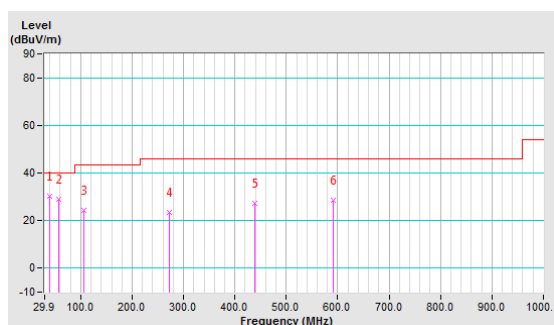


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 39.62          | 30.4 QP                       | 40.0              | -9.6           | 1.00 V                   | 5                          | 40.8                   | -10.4                          |
| 2                                                 | 57.12          | 29.0 QP                       | 40.0              | -11.0          | 1.00 V                   | 280                        | 39.1                   | -10.1                          |
| 3                                                 | 105.73         | 24.5 QP                       | 43.5              | -19.0          | 1.50 V                   | 52                         | 37.4                   | -12.9                          |
| 4                                                 | 272.94         | 23.4 QP                       | 46.0              | -22.6          | 2.00 V                   | 43                         | 31.6                   | -8.2                           |
| 5                                                 | 438.20         | 27.3 QP                       | 46.0              | -18.7          | 1.00 V                   | 340                        | 31.8                   | -4.5                           |
| 6                                                 | 591.80         | 28.6 QP                       | 46.0              | -17.4          | 1.50 V                   | 256                        | 30.0                   | -1.4                           |

#### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

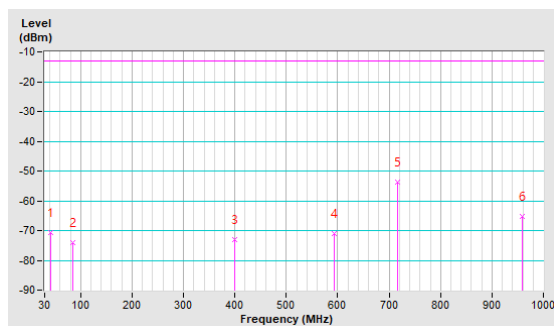


| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 41.64       | -70.5         | -58.3                 | -12.3                  | -70.6     | -13.0       | -57.6       |
| 2                                                   | 84.32       | -65.9         | -74.5                 | 0.4                    | -74.1     | -13.0       | -61.1       |
| 3                                                   | 399.57      | -70.0         | -76.3                 | 3.3                    | -73.0     | -13.0       | -60.0       |
| 4                                                   | 592.60      | -70.1         | -74.6                 | 3.7                    | -70.9     | -13.0       | -57.9       |
| 5                                                   | 715.79      | -54.8         | -57.3                 | 3.5                    | -53.8     | -13.0       | -40.8       |
| 6                                                   | 959.26      | -71.5         | -69.1                 | 3.8                    | -65.3     | -13.0       | -52.3       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



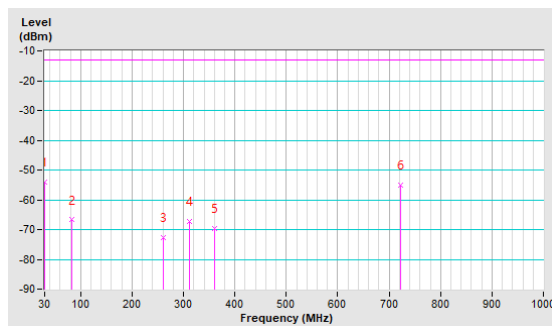
**Antenna Polarity & Test Distance: Vertical at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 30.00       | -42.2         | -34.8                 | -19.4                  | -54.2     | -13.0       | -41.2       |
| 2   | 83.35       | -59.8         | -67.3                 | 0.5                    | -66.8     | -13.0       | -53.8       |
| 3   | 259.89      | -71.3         | -71.1                 | -1.5                   | -72.6     | -13.0       | -59.6       |
| 4   | 311.30      | -65.2         | -71.4                 | 4.0                    | -67.4     | -13.0       | -54.4       |
| 5   | 359.80      | -67.0         | -73.6                 | 4.0                    | -69.6     | -13.0       | -56.6       |
| 6   | 721.61      | -59.2         | -58.8                 | 3.6                    | -55.2     | -13.0       | -42.2       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



## Mode 16

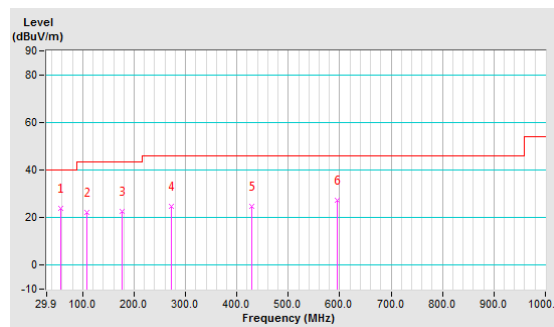
802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 26, CH 2697

|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1                                                   | 57.12       | 23.9 QP                 | 40.0           | -16.1       | 1.50 H             | 205                  | 34.0             | -10.1                    |
| 2                                                   | 107.67      | 22.3 QP                 | 43.5           | -21.2       | 1.00 H             | 267                  | 34.9             | -12.6                    |
| 3                                                   | 175.72      | 22.6 QP                 | 43.5           | -20.9       | 1.50 H             | 247                  | 32.5             | -9.9                     |
| 4                                                   | 272.94      | 24.7 QP                 | 46.0           | -21.3       | 1.00 H             | 15                   | 32.9             | -8.2                     |
| 5                                                   | 428.48      | 24.8 QP                 | 46.0           | -21.2       | 2.00 H             | 302                  | 29.5             | -4.7                     |
| 6                                                   | 595.69      | 27.2 QP                 | 46.0           | -18.8       | 1.00 H             | 177                  | 28.5             | -1.3                     |

### Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

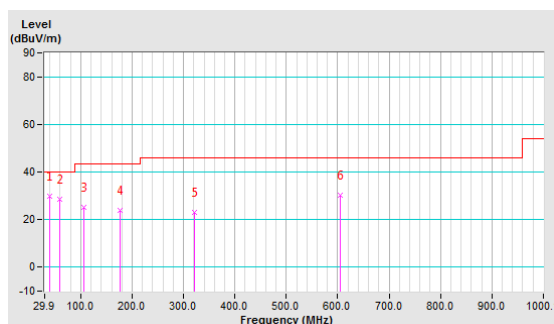


|                 |             |                   |                 |
|-----------------|-------------|-------------------|-----------------|
| Frequency Range | 9kHz ~ 1GHz | Detector Function | Quasi-Peak (QP) |
|-----------------|-------------|-------------------|-----------------|

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 39.62          | 29.8 QP                       | 40.0              | -10.2          | 1.50 V                   | 2                          | 40.2                   | -10.4                          |
| 2                                                 | 59.06          | 28.7 QP                       | 40.0              | -11.3          | 1.50 V                   | 7                          | 38.8                   | -10.1                          |
| 3                                                 | 105.73         | 25.2 QP                       | 43.5              | -18.3          | 1.00 V                   | 51                         | 38.1                   | -12.9                          |
| 4                                                 | 175.72         | 23.7 QP                       | 43.5              | -19.8          | 2.00 V                   | 7                          | 33.6                   | -9.9                           |
| 5                                                 | 321.54         | 22.9 QP                       | 46.0              | -23.1          | 1.00 V                   | 177                        | 29.8                   | -6.9                           |
| 6                                                 | 605.41         | 30.2 QP                       | 46.0              | -15.8          | 1.00 V                   | 15                         | 31.3                   | -1.1                           |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



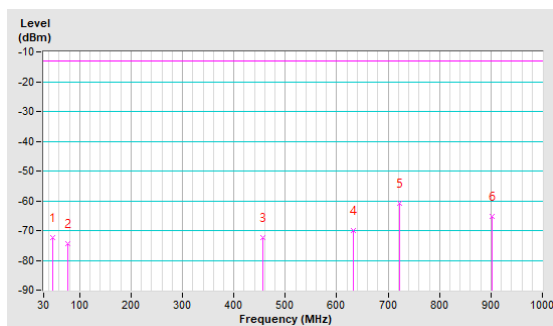
**Antenna Polarity & Test Distance: Horizontal at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 48.43       | -70.3         | -63.8                 | -8.7                   | -72.5     | -13.0       | -59.5       |
| 2   | 76.56       | -66.7         | -74.7                 | 0.3                    | -74.4     | -13.0       | -61.4       |
| 3   | 455.83      | -70.2         | -75.9                 | 3.5                    | -72.4     | -13.0       | -59.4       |
| 4   | 632.37      | -70.0         | -73.6                 | 3.6                    | -70.0     | -13.0       | -57.0       |
| 5   | 721.61      | -62.1         | -64.5                 | 3.6                    | -60.9     | -13.0       | -47.9       |
| 6   | 903.00      | -70.8         | -68.9                 | 3.6                    | -65.3     | -13.0       | -52.3       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).

2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

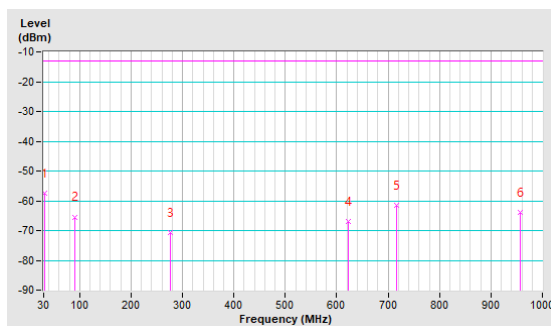


**Antenna Polarity & Test Distance: Vertical at 3 M**

| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| 1   | 31.94       | -44.6         | -39.0                 | -18.3                  | -57.3     | -13.0       | -44.3       |
| 2   | 90.14       | -57.0         | -65.2                 | -0.2                   | -65.4     | -13.0       | -52.4       |
| 3   | 276.38      | -72.0         | -69.2                 | -1.6                   | -70.8     | -13.0       | -57.8       |
| 4   | 621.70      | -69.7         | -70.6                 | 3.7                    | -66.9     | -13.0       | -53.9       |
| 5   | 716.76      | -65.4         | -65.1                 | 3.5                    | -61.6     | -13.0       | -48.6       |
| 6   | 956.35      | -71.0         | -67.7                 | 3.9                    | -63.8     | -13.0       | -50.8       |

**Remarks:**

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



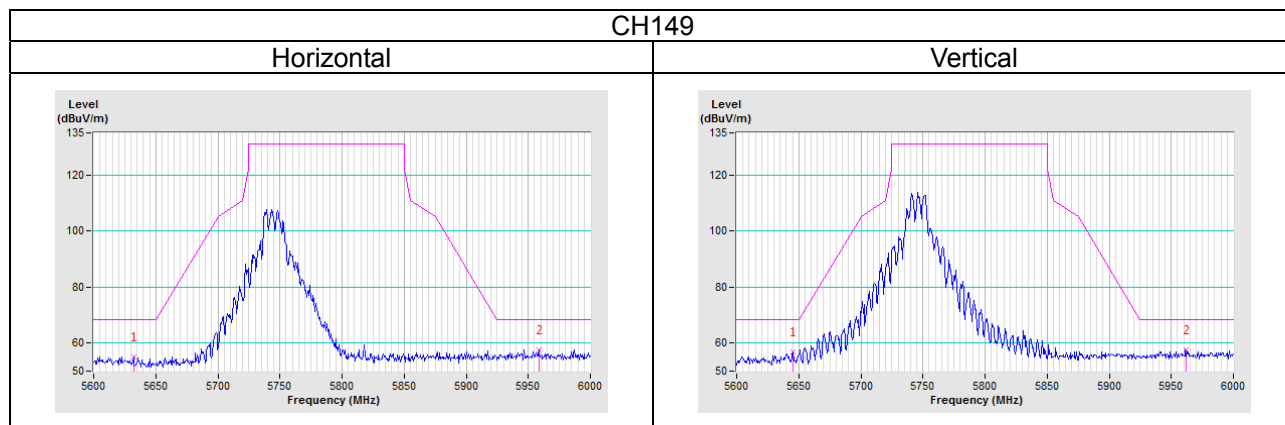
## 5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

## Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)

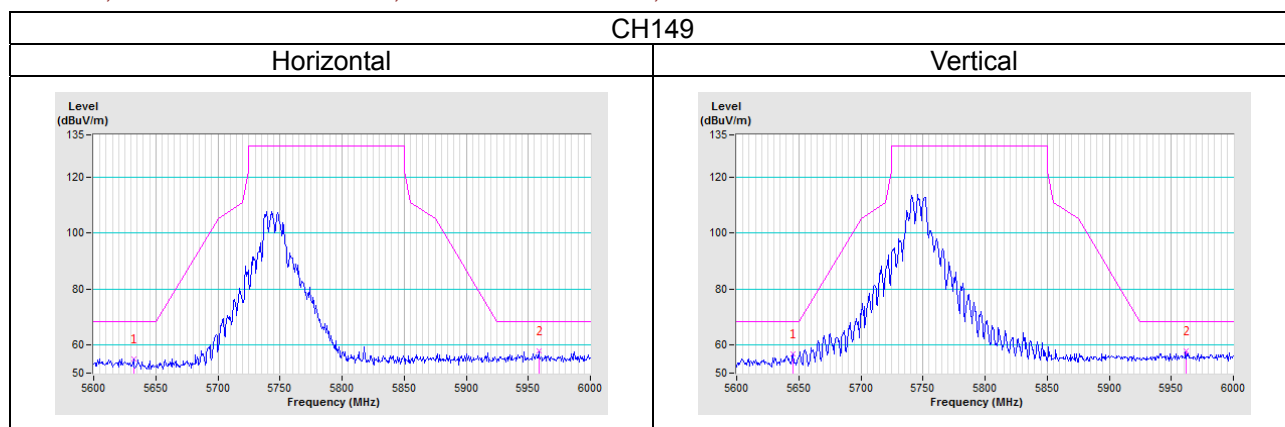
### Mode 3

802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 26, CH 26865



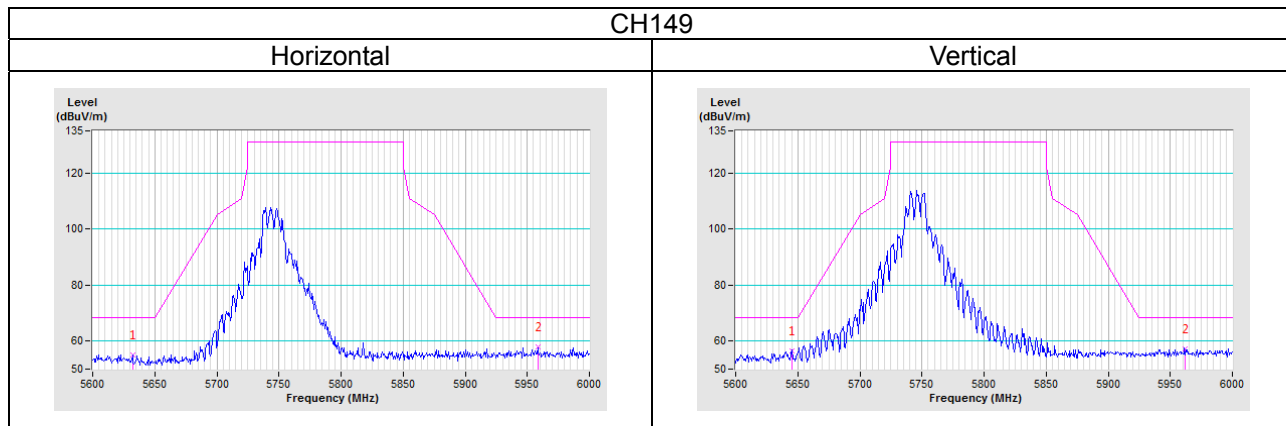
### Mode 4

802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 26, CH 26865



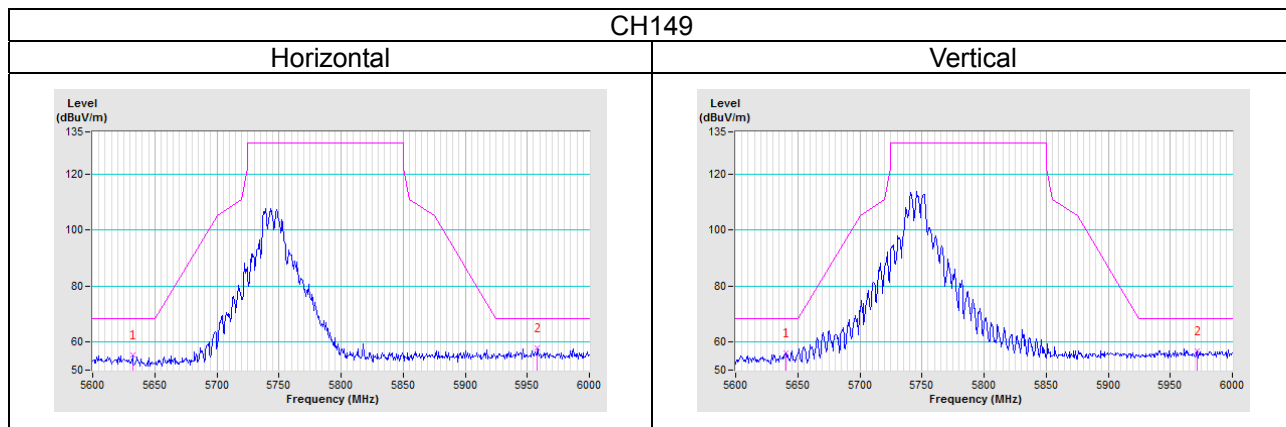
## Mode 7

802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 25, CH 26615



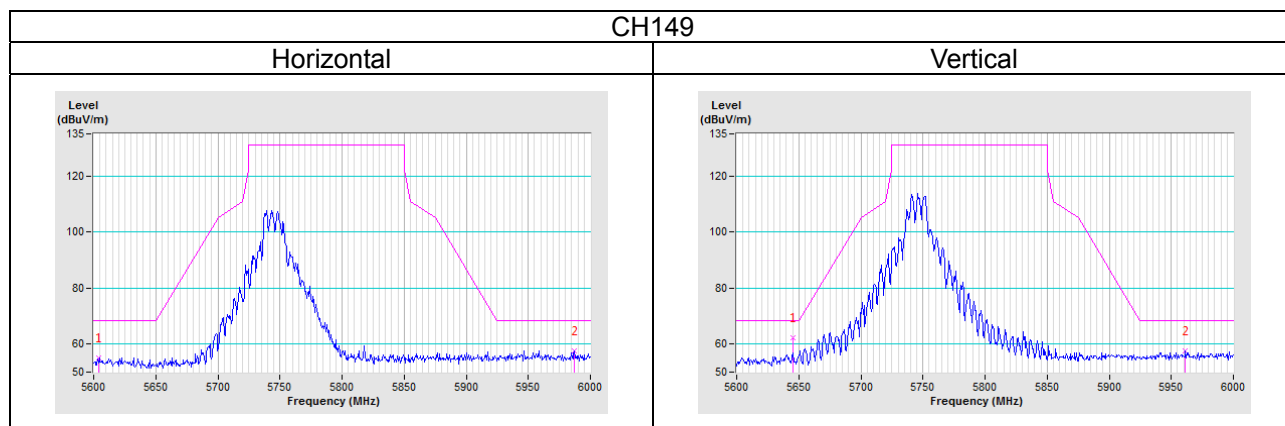
## Mode 8

802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 25, CH 26615



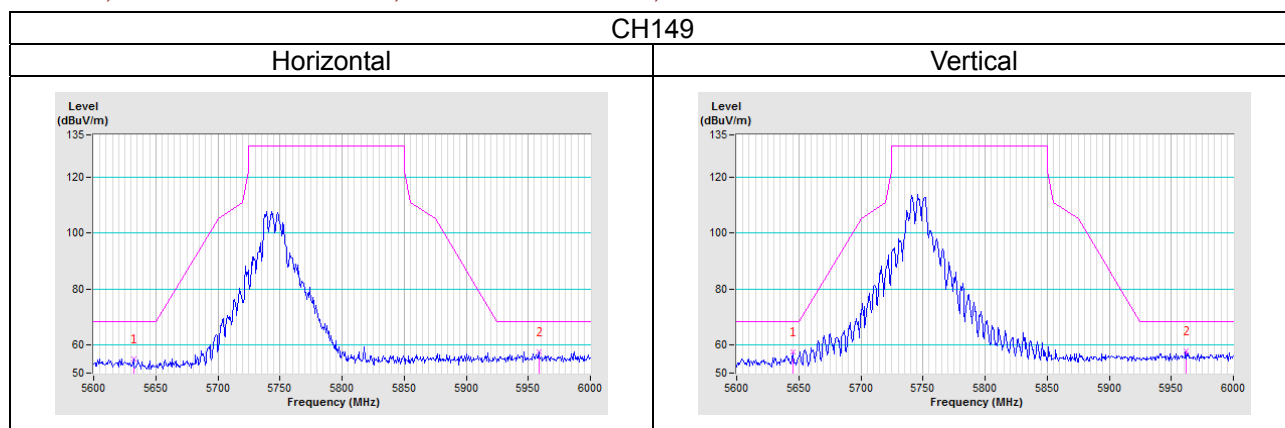
## Mode 11

802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 12, CH 23095



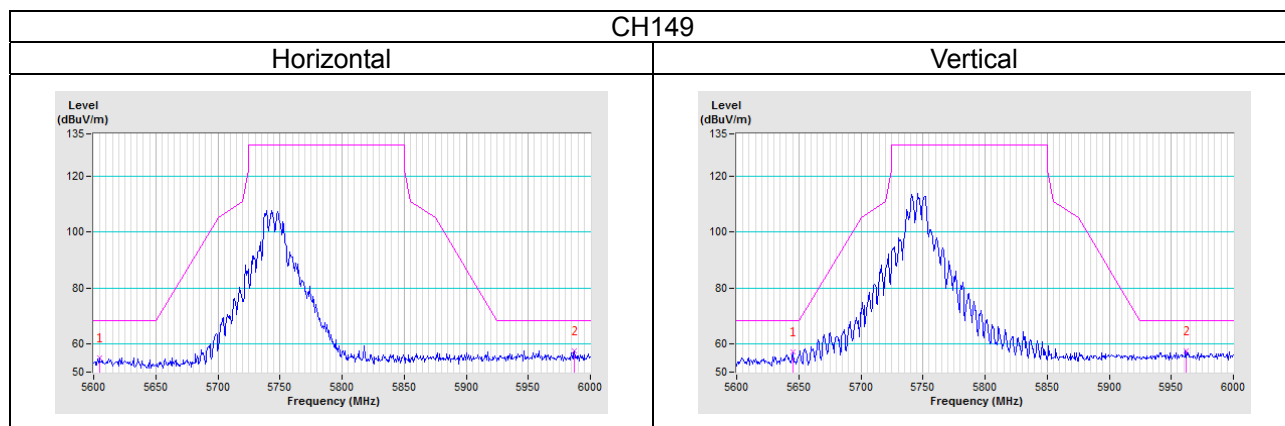
## Mode 12

802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 12, CH 23095



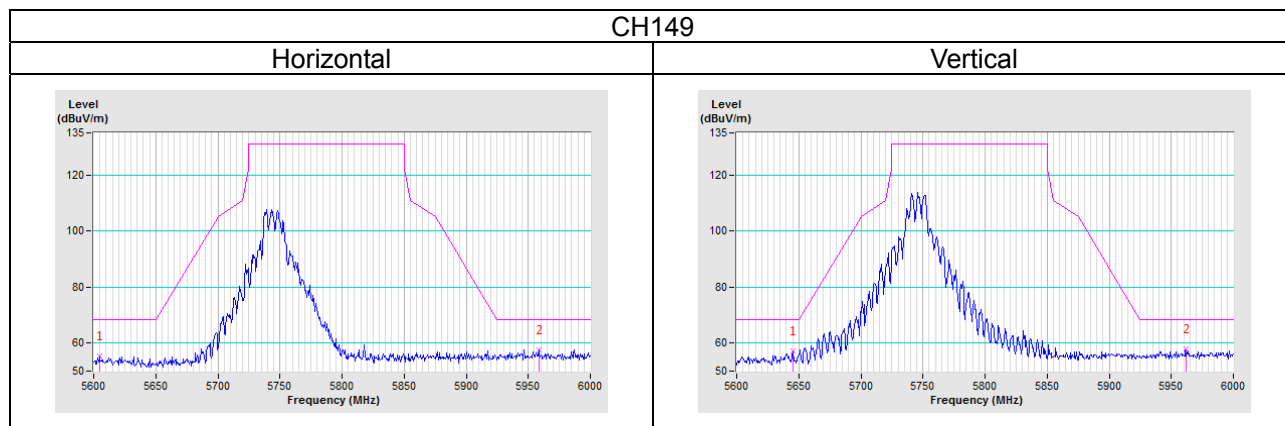
## Mode 15

802.11a, CH 149 + Bluetooth EDR, CH 78 + LTE Band 26, CH 26697



## Mode 16

802.11a, CH 149 + Bluetooth LE, CH 0 + LTE Band 26, CH 26697



## Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

### Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

### Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

### Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

**Email:** [service.adt@tw.bureauveritas.com](mailto:service.adt@tw.bureauveritas.com)

**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

The address and road map of all our labs can be found in our web site also.

--- END ---