

## FCC Test Report

### (Co-located)

**Report No.:** RFBHTZ-WTW-P22080640-1

**FCC ID:** PPQ202008EG91NAXD

**Test Model:** EX-1193-M

**Series Model:** EX-1193-E, EX-1193-T, EX-1193-M-48, EX-1193-E-48, EX-1193-T-48  
(refer to item 3.1 for more details)

**Received Date:** 2022/8/18

**Test Date:** 2022/9/12 ~ 2022/9/23

**Issued Date:** 2023/2/8

**Applicant:** LITE-ON Technology Corp.

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(R.O.C.)

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

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

**Test Location:** No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City  
33383, Taiwan

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



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### Release Control Record

| Issue No.              | Description      | Date Issued |
|------------------------|------------------|-------------|
| RFBHTZ-WTW-P22080640-1 | Original Release | 2023/2/8    |

## 1 Certificate of Conformity

**Product:** AC charging station

**Brand:** LITEON

**Test Model:** EX-1193-M

**Series Model:** EX-1193-E, EX-1193-T, EX-1193-M-48, EX-1193-E-48, EX-1193-T-48 (refer to item 3.1 for more details)

**Sample Status:** Engineering Sample

**Applicant:** LITE-ON Technology Corp.

**Standards:** 47 CFR FCC Part 15, Subpart C (Section 15.247)

47 CFR FCC Part 15, Subpart C (Section 15.225)

47 CFR FCC Part 15, Subpart C (Section 15.215)

ANSI C63.10:2013

FCC Part 22, Subpart H

FCC Part 24, Subpart E

FCC Part 27, Subpart C, H, F, L

FCC Part 90, Subpart I, S

FCC Part 2

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 :** Lena Wang, **Date:** 2023/2/8  
Lena Wang / Specialist

**Approved by :** Jeremy Lin, **Date:** 2023/2/8  
Jeremy Lin / Project Engineer

## 2 Summary of Test Results

| 47 CFR FCC Part 15, Subpart C (Section 15.247)<br>47 CFR FCC Part 15, Subpart C (Section 15.225, 15.215)<br>FCC Part 22, Subpart H<br>FCC Part 24, Subpart E<br>FCC Part 27, Subpart C, H, F, L<br>FCC Part 90, Subpart I, S<br>FCC Part 2 |                                                                       |        |                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|
| FCC Clause                                                                                                                                                                                                                                 | Test Item                                                             | Result | Remarks                                                                            |
| 15.205 / 15.209 / 15.247(d)                                                                                                                                                                                                                | Radiated Emissions and Band Edge Measurement                          | Pass   | Meet the requirement of limit. Minimum passing margin is -1.2 dB at 66.86 MHz.     |
| 2.1053<br>22.917                                                                                                                                                                                                                           | Radiated Spurious Emissions                                           | Pass   | Meet the requirement of limit. Minimum passing margin is -13.94 dB at 1649.40 MHz. |
| 2.1053<br>24.238                                                                                                                                                                                                                           | Radiated Spurious Emissions                                           | Pass   | Meet the requirement of limit. Minimum passing margin is -15.61 dB at 36.79 MHz.   |
| 2.1053 27.53(h) / (g)                                                                                                                                                                                                                      | Radiated Spurious Emissions                                           | Pass   | Meet the requirement of limit. Minimum passing margin is -14.09 dB at 37.76 MHz.   |
| 2.1053<br>90.691                                                                                                                                                                                                                           | Radiated Spurious Emissions                                           | Pass   | Meet the requirement of limit. Minimum passing margin is -13.47 dB at 1629.40 MHz. |
| 15.225 (a)                                                                                                                                                                                                                                 | The field strength of any emissions within the band 13.553-13.567 MHz | Pass   | Meet the requirement of limit. Minimum passing margin is -57.9 dB at 13.56 MHz.    |

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<br>(k=2) ( $\pm$ ) |
|--------------------------------|--------------------|-----------------------------------------|
| Radiated Emissions up to 1 GHz | 9 kHz ~ 30 MHz     | 3.04 dB                                 |
|                                | 30 MHz ~ 200 MHz   | 2.0153 dB                               |
|                                | 200 MHz ~ 1000 MHz | 2.0224 dB                               |
| Radiated Emissions above 1 GHz | 1 GHz ~ 18 GHz     | 1.0121 dB                               |
|                                | 18 GHz ~ 40 GHz    | 1.1508 dB                               |

## 2.2 Modification Record

There were no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

|                            |                                                                |                                                                                                                                      |
|----------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product</b>             | AC charging station                                            |                                                                                                                                      |
| <b>Brand</b>               | LITEON                                                         |                                                                                                                                      |
| <b>Test Model</b>          | EX-1193-M                                                      |                                                                                                                                      |
| <b>Series Model</b>        | EX-1193-E, EX-1193-T, EX-1193-M-48, EX-1193-E-48, EX-1193-T-48 |                                                                                                                                      |
| <b>Status of EUT</b>       | Engineering Sample                                             |                                                                                                                                      |
| <b>Power Supply Rating</b> | 208- 240Vac                                                    |                                                                                                                                      |
| <b>Modulation Type</b>     | WLAN                                                           | CCK, DQPSK, DBPSK for DSSS<br>64QAM, 16QAM, QPSK, BPSK for OFDM                                                                      |
|                            | WCDMA                                                          | BPSK, QPSK                                                                                                                           |
|                            | LTE                                                            | QPSK, 16QAM                                                                                                                          |
|                            | NFC                                                            | ASK                                                                                                                                  |
| <b>Data Rate</b>           | WLAN                                                           | 802.11b: 11.0 / 5.5 / 2.0 / 1.0 Mbps<br>802.11g: 54.0 / 48.0 / 36.0 / 24.0 / 18.0 / 12.0 / 9.0 / 6.0 Mbps<br>802.11n: up to 72.2Mbps |
|                            | NFC                                                            | Type A: 106 kbit/s<br>Type B: 106 kbit/s<br>Type F: 212 kbit/s, 424 kbit/s                                                           |
| <b>Operating Frequency</b> | WLAN                                                           | 2412 ~ 2462 MHz                                                                                                                      |
|                            | WCDMA Band 2                                                   | 1852.4 ~ 1907.6 MHz                                                                                                                  |
|                            | WCDMA Band 4                                                   | 1712.4 ~ 1752.6 MHz                                                                                                                  |
|                            | WCDMA Band 5                                                   | 826.4 ~ 846.6 MHz                                                                                                                    |
|                            | LTE Band 2 (Channel Bandwidth: 1.4 MHz)                        | 1850.7 ~ 1909.3 MHz                                                                                                                  |
|                            | LTE Band 2 (Channel Bandwidth: 3 MHz)                          | 1851.5 ~ 1908.5 MHz                                                                                                                  |
|                            | LTE Band 2 (Channel Bandwidth: 5 MHz)                          | 1852.5 ~ 1907.5 MHz                                                                                                                  |
|                            | LTE Band 2 (Channel Bandwidth: 10 MHz)                         | 1855.0 ~ 1905.0 MHz                                                                                                                  |
|                            | LTE Band 2 (Channel Bandwidth: 15 MHz)                         | 1857.5 ~ 1902.5 MHz                                                                                                                  |
|                            | LTE Band 2 (Channel Bandwidth: 20 MHz)                         | 1860.0 ~ 1900.0 MHz                                                                                                                  |
|                            | LTE Band 4 (Channel Bandwidth: 1.4 MHz)                        | 1710.7 ~ 1754.3 MHz                                                                                                                  |
|                            | LTE Band 4 (Channel Bandwidth: 3 MHz)                          | 1711.5 ~ 1753.5 MHz                                                                                                                  |
|                            | LTE Band 4 (Channel Bandwidth: 5 MHz)                          | 1712.5 ~ 1752.5 MHz                                                                                                                  |
|                            | LTE Band 4 (Channel Bandwidth: 10 MHz)                         | 1715.0 ~ 1750.0 MHz                                                                                                                  |
|                            | LTE Band 4 (Channel Bandwidth: 15 MHz)                         | 1717.5 ~ 1747.5 MHz                                                                                                                  |
|                            | LTE Band 4 (Channel Bandwidth: 20 MHz)                         | 1720.0 ~ 1745.0 MHz                                                                                                                  |

|                   |                                                     |                                                            |
|-------------------|-----------------------------------------------------|------------------------------------------------------------|
|                   | LTE Band 5 (Channel Bandwidth: 1.4 MHz)             | 824.7 ~ 848.3 MHz                                          |
|                   | LTE Band 5 (Channel Bandwidth: 3 MHz)               | 825.5 ~ 847.5 MHz                                          |
|                   | LTE Band 5 (Channel Bandwidth: 5 MHz)               | 826.5 ~ 846.5 MHz                                          |
|                   | LTE Band 5 (Channel Bandwidth: 10 MHz)              | 829 ~ 844 MHz                                              |
|                   | LTE Band 12 (Channel Bandwidth: 1.4 MHz)            | 699.7 ~ 715.3 MHz                                          |
|                   | LTE Band 12 (Channel Bandwidth: 3 MHz)              | 700.5 ~ 714.5 MHz                                          |
|                   | LTE Band 12 (Channel Bandwidth: 5 MHz)              | 701.5 ~ 713.5 MHz                                          |
|                   | LTE Band 12 (Channel Bandwidth: 10 MHz)             | 704.0 ~ 711.0 MHz                                          |
|                   | LTE Band 13 (Channel Bandwidth: 5 MHz)              | 779.5 ~ 784.5 MHz                                          |
|                   | LTE Band 13 (Channel Bandwidth: 10 MHz)             | 782.0 MHz                                                  |
|                   | LTE Band 25 (Channel Bandwidth: 1.4 MHz)            | 1850.7 ~ 1914.3 MHz                                        |
|                   | LTE Band 25 (Channel Bandwidth: 3 MHz)              | 1851.5 ~ 1913.5 MHz                                        |
|                   | LTE Band 25 (Channel Bandwidth: 5 MHz)              | 1852.5 ~ 1912.5 MHz                                        |
|                   | LTE Band 25 (Channel Bandwidth: 10 MHz)             | 1855.0 ~ 1910.0 MHz                                        |
|                   | LTE Band 25 (Channel Bandwidth: 15 MHz)             | 1857.5 ~ 1907.5 MHz                                        |
|                   | LTE Band 25 (Channel Bandwidth: 20 MHz)             | 1860.0 ~ 1905.0 MHz                                        |
|                   | LTE Band 26 (Channel Bandwidth: 1.4 MHz) - Part 22  | 824.7 ~ 848.3 MHz                                          |
|                   | LTE Band 26 (Channel Bandwidth: 3 MHz) - Part 22    | 825.5 ~ 847.5 MHz                                          |
|                   | LTE Band 26 (Channel Bandwidth: 5 MHz) - Part 22    | 826.5 ~ 846.5 MHz                                          |
|                   | LTE Band 26 (Channel Bandwidth: 10 MHz) - Part 22   | 829 ~ 844 MHz                                              |
|                   | LTE Band 26 (Channel Bandwidth: 1.4 MHz) ) -Part 90 | 814.7 ~ 823.3 MHz                                          |
|                   | LTE Band 26 (Channel Bandwidth: 3 MHz) - Part 90    | 815.5 ~ 822.5 MHz                                          |
|                   | LTE Band 26 (Channel Bandwidth: 5 MHz) - Part 90    | 816.5 ~ 821.5 MHz                                          |
|                   | LTE Band 26 (Channel Bandwidth: 10 MHz) - Part 90   | 819 MHz                                                    |
|                   | NFC                                                 | 13.56 MHz                                                  |
| Number of Channel | WLAN                                                | 2412 ~ 2462 MHz<br>11 for 802.11b, 802.11g, 802.11n (HT20) |
|                   | NFC                                                 | 1                                                          |
| Antenna Type      | Refer to Note as below                              |                                                            |

|                     |                        |
|---------------------|------------------------|
| Antenna Connector   | Refer to Note as below |
| Accessory Device    | Refer to Note as below |
| Data Cable Supplied | N/A                    |

Note:

- The EUT provides 1 completed transmitter and 1 receiver.

| Modulation Mode | Tx Function |
|-----------------|-------------|
| 802.11b         | 1TX         |
| 802.11g         | 1TX         |
| 802.11n (HT20)  | 1TX         |

- All models are listed as below. Only Model Number: EX-1193-M and EX-1193-E as a representative for final test.

| Brand  | Model        | LTE          | RFID         | WIFI     | Bluetooth    | Difference                                               |
|--------|--------------|--------------|--------------|----------|--------------|----------------------------------------------------------|
| LITEON | EX-1193-M    | Provided     | Provided     | Provided | Not Provided | The rated current (80A/48A) and the model of the charger |
|        | EX-1193-M-48 |              |              |          |              |                                                          |
|        | EX-1193-E    | Not Provided | Provided     | Provided | Not Provided | The rated current (80A/48A) and the model of the charger |
|        | EX-1193-E-48 |              |              |          |              |                                                          |
|        | EX-1193-T    | Not Provided | Not Provided | Provided | Not Provided | The rated current (80A/48A) and the model of the charger |
|        | EX-1193-T-48 |              |              |          |              |                                                          |

- The EUT contains following accessory devices.

| Product | Brand  | Model | Description |
|---------|--------|-------|-------------|
| holster | Liteon | N/A   | -           |

- The antenna information is listed as below.

| WWAN Antenna |                   |    |     |     |   |     |     |     |     |     |
|--------------|-------------------|----|-----|-----|---|-----|-----|-----|-----|-----|
| Antenna Type | Monopole Coupling |    |     |     |   |     |     |     |     |     |
| Band         | WCDMA             |    |     | LTE |   |     |     |     |     |     |
|              | II                | IV | V   | 2   | 4 | 5   | 12  | 13  | 25  | 26  |
| Gain         | 3.8               | 3  | 1.4 | 3.8 | 3 | 1.4 | 1.2 | 1.7 | 3.8 | 1.4 |

| WLAN Antenna |                    |
|--------------|--------------------|
| Antenna Type | Antenna Gain (dBi) |
|              | WLAN 2.4 GHz       |
| Dipole       | 3.0                |

- Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.
- WLAN 2.4G & WWAN & NFC technology can transmit at same time.
- The EUT contains certified WLAN module with FCC ID: PPQLILYW131, NFC module with FCC ID: PPQRYORR2L and WWAN module with FCC ID: PPQ202008EG91NAXD.
- The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

### 3.2 Description of Test Modes

#### For 2.4G

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

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

#### For NFC

One channel was provided to this EUT:

| Channel | Frequency (MHz) |
|---------|-----------------|
| 1       | 13.56           |

### 3.2.1 Test Mode Applicability and Tested Channel Detail

| EUT Configure Mode | Applicable to |       | Description |
|--------------------|---------------|-------|-------------|
|                    | RE≥1G         | RE<1G |             |
| A                  | √             | √     | EX-1193-M   |
| B                  | √             | √     | EX-1193-E   |

Where RE≥1G: Radiated Emission above 1GHz & Bandedge Measurement

RE<1G: Radiated Emission below 1GHz

Note: The EUT is designed to be positioned on the Z-plane only.

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

- ☒ 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 |
|--------------------|------------------------------------------|-------------------|---------------------|----------------|-----------------------|
| A                  | 11n (HT20) + LTE Band 26 (Part 22) + NFC | 2412-2462         | 1, 6, 11            | 6 + 26797 + 1  | BPSK                  |
|                    |                                          | 824.7-848.3       | 26797, 26915, 27033 |                | QPSK                  |
|                    |                                          | 13.56             | 1                   |                | ASK                   |
|                    | 11n (HT20) + LTE Band 2 + NFC            | 2412 ~ 2462       | 1, 6, 11            | 6 + 19185 + 1  | BPSK                  |
|                    |                                          | 1850.7-1909.3     | 18615, 18900, 19185 |                | QPSK                  |
|                    |                                          | 13.56             | 1                   |                | ASK                   |
|                    | 11n (HT20) + LTE Band 4 + NFC            | 2412-2462         | 1, 6, 11            | 6 + 20050 + 1  | BPSK                  |
|                    |                                          | 1710.7-1754.3     | 20050, 20175, 20300 |                | QPSK                  |
|                    |                                          | 13.56             | 1                   |                | ASK                   |
|                    | 11n (HT20) + LTE Band 26 (Part 90) + NFC | 2412-2462         | 1, 6, 11            | 6 + 26697 + 1  | BPSK                  |
|                    |                                          | 814.7-823.3       | 26697, 26740, 26783 |                | QPSK                  |
|                    |                                          | 13.56             | 1                   |                | ASK                   |
| B                  | 11n (HT20) + NFC                         | 2412-2462         | 1, 6, 11            | 6 + 1          | BPSK                  |
|                    |                                          | 13.56             | 1                   |                | ASK                   |

### **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 Configure Mode | Mode                                     | Freq. Range (MHz) | Available Channel   | Tested Channel | Modulation Technology |
|--------------------|------------------------------------------|-------------------|---------------------|----------------|-----------------------|
| A                  | 11n (HT20) + LTE Band 26 (Part 22) + NFC | 2412-2462         | 1, 6, 11            | 6 + 26797 + 1  | BPSK                  |
|                    |                                          | 824.7-848.3       | 26797, 26915, 27033 |                | QPSK                  |
|                    |                                          | 13.56             | 1                   |                | ASK                   |
|                    | 11n (HT20) + LTE Band 2 + NFC            | 2412 ~ 2462       | 1, 6, 11            | 6 + 19185 + 1  | BPSK                  |
|                    |                                          | 1850.7-1909.3     | 18615, 18900, 19185 |                | QPSK                  |
|                    |                                          | 13.56             | 1                   |                | ASK                   |
|                    | 11n (HT20) + LTE Band 4 + NFC            | 2412-2462         | 1, 6, 11            | 6 + 20050 + 1  | BPSK                  |
|                    |                                          | 1710.7-1754.3     | 20050, 20175, 20300 |                | QPSK                  |
|                    |                                          | 13.56             | 1                   |                | ASK                   |
|                    | 11n (HT20) + LTE Band 26 (Part 90) + NFC | 2412-2462         | 1, 6, 11            | 6 + 26697 + 1  | BPSK                  |
|                    |                                          | 814.7-823.3       | 26697, 26740, 26783 |                | QPSK                  |
|                    |                                          | 13.56             | 1                   |                | ASK                   |
| B                  | 11n (HT20) + NFC                         | 2412-2462         | 1, 6, 11            | 6 + 1          | BPSK                  |
|                    |                                          | 13.56             | 1                   |                | ASK                   |

### **Test Condition:**

| Applicable to | Environmental Conditions | Input Power (System) | Tested by    |
|---------------|--------------------------|----------------------|--------------|
| RE $\geq$ 1G  | 23 deg. C, 72 % RH       | 120 Vac, 60 Hz       | Vincent Chen |
| RE<1G         | 23 deg. C, 72 % RH       | 120 Vac, 60 Hz       | Vincent Chen |

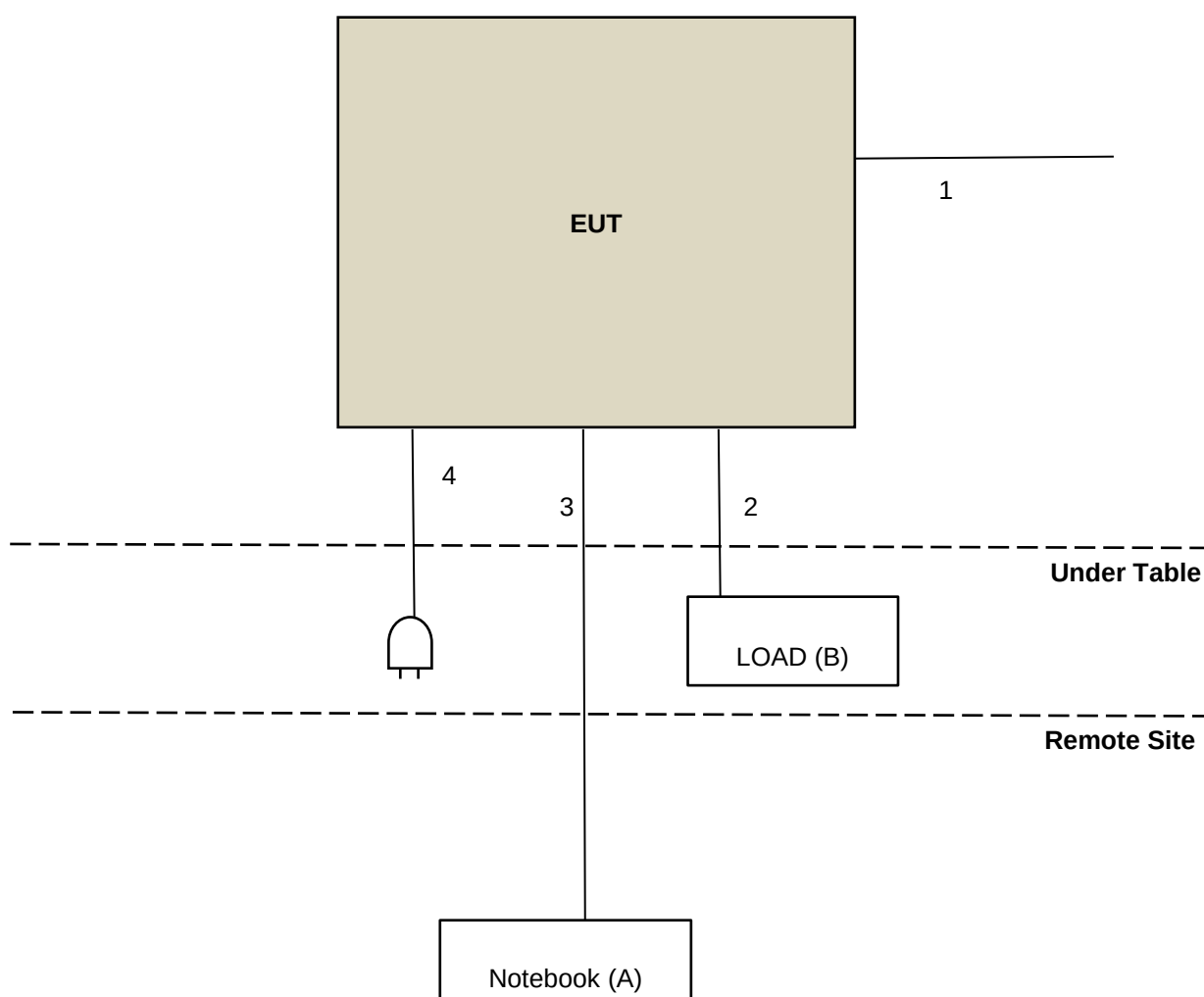
### 3.3 Description of Support Units

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  | E5420     | 33MJMQ1    | N/A    | Supplied by applicant |
| B  | LOAD     | N/A   | N/A       | N/A        | N/A    | Provided by Lab       |

| ID | Cable Descriptions  | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks          |
|----|---------------------|------|------------|--------------------|--------------|------------------|
| 1  | POWER CABLE(DC out) | 1    | 5          | Y                  | 0            | Accessory of EUT |
| 2  | RJ-45 Cable         | 1    | 1.8        | N                  | 0            | Provided by Lab  |
| 3  | RJ-45 Cable         | 1    | 10         | N                  | 0            | Provided by Lab  |
| 4  | POWER CABLE(AC in)  | 1    | 1.8        | Y                  | 0            | Accessory of EUT |

#### 3.3.1 Configuration of System under Test



### **3.4 General Description of Applied Standards**

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards and references:

**Test Standard:**

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

**FCC Part 15, Subpart C (15.225)**

**FCC Part 15, Subpart C (15.215)**

**ANSI C63.10-2013**

**FCC 47 CFR Part 2**

**FCC 47 CFR Part 22**

**FCC 47 CFR Part 24**

**FCC 47 CFR Part 27**

**FCC 47 CFR Part 90**

**ANSI 63.26-2015**

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

**References Test Guidance:**

**KDB 558074 D01 15.247 Meas Guidance v05r02**

**KDB 414788 D01 Radiated Test Site v01r01**

**KDB 971168 D01 Power Meas License Digital Systems v03r01**

**KDB 971168 D02 Misc Rev Approv License Devices v02r01**

**ANSI/TIA/EIA-603-E 2016**

All test items have been performed as a reference to the above KDB test guidance.

## 4 Test Types and Results

### 4.1 Radiated Emission and Bandedge Measurement

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

##### For WLAN

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20 dB below the highest level of the desired power:

| 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 1000 MHz, 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 20 dB under any condition of modulation.

##### For Part 22 & Part 24

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit is equal to -13 dBm.

##### For Part 27

For LTE Band 4:

According to FCC 27.53(h), for operations in the 1695-1710MHz, 1710-1755MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log(P)$  dB.

##### For Part 90

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB. The limit of emission is equal to -13 dBm.

#### For NFC

- a. The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- b. Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- c. Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- d. The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in §15.209 as below table:

| 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 1000 MHz, 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 20 dB under any condition of modulation.

#### 4.1.2 Test Instruments

| Description & Manufacturer               | Model No.                | Serial No.                | Date of Calibration | Due Date of Calibration |
|------------------------------------------|--------------------------|---------------------------|---------------------|-------------------------|
| Software<br>BV ADT                       | ADT_Radiated_V7.6.15.9.5 | NA                        | NA                  | NA                      |
| Antenna Tower & Turn<br>Max-Full         | MFA-440H                 | AT93021705                | NA                  | NA                      |
| Turn Table<br>Max-Full                   | MFT-201SS                | NA                        | NA                  | NA                      |
| Turn Table Controller<br>Max-Full        | MG-7802                  | NA                        | NA                  | NA                      |
| Loop Antenna<br>TESEQ                    | HLA 6121                 | 45745                     | 2022/7/27           | 2023/7/26               |
| RF Coaxial Cable<br>EMCI                 | 5D-NM-BM                 | 140903+140902             | 2022/1/15           | 2023/1/14               |
| Pre-Amplifier<br>EMCI                    | EMC 330H                 | 980112                    | 2021/10/5           | 2022/10/4               |
| Bi Log Antenna<br>Schwarzbeck            | VULB9168                 | 9168-472                  | 2021/10/28          | 2022/10/27              |
| RF Coaxial Cable<br>WORKEN               | 8D-FB                    | Cable-Ch10-01             | 2021/10/5           | 2022/10/4               |
| Test Receiver<br>KEYSIGHT                | N9038A                   | MY55420137                | 2022/4/27           | 2023/4/26               |
| Horn Antenna<br>Schwarzbeck              | BBHA 9120D               | 9120D-969                 | 2021/11/14          | 2022/11/13              |
| Signal Analyzer<br>Agilent               | N9010A                   | MY52220314                | 2021/12/3           | 2022/12/2               |
| Pre-Amplifier<br>EMCI                    | EMC 012645               | 980115                    | 2021/10/5           | 2022/10/4               |
| RF Coaxial Cable<br>EMCI                 | EMC104-SM-SM-8000+3000   | 171005                    | 2021/10/5           | 2022/10/4               |
| RF Coaxial Cable<br>HUBER SUHNER         | SUCOFLEX 104             | EMC104-SM-SM-1000(140807) | 2021/10/5           | 2022/10/4               |
| RF FLITER<br>MICRO-TRONICS               | BRM50716                 | 060                       | 2022/1/10           | 2023/1/9                |
| RF FLITER<br>MICRO-TRONICS               | BRM17690                 | 004                       | 2022/1/10           | 2023/1/9                |
| Boresight antenna tower<br>fixture<br>BV | BAF-02                   | 7                         | NA                  | NA                      |
| Pre-Amplifier<br>EMCI                    | EMC 184045               | 980116                    | 2021/10/5           | 2022/10/4               |
| Horn Antenna<br>Schwarzbeck              | BBHA 9170                | 148                       | 2021/11/14          | 2022/11/13              |
| Signal Analyzer<br>Agilent               | N9010A                   | MY52220314                | 2021/12/3           | 2022/12/2               |
| RF Coaxial Cable<br>EMCI                 | EMC102-KM-KM-600         | 150928                    | 2022/7/9            | 2023/7/8                |
| RF Coaxial Cable<br>EMCI                 | EMC102-KM-KM-3000        | 150929                    | 2022/7/9            | 2023/7/8                |

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 HY 966 chamber 5

#### 4.1.3 Test Procedures

##### For WLAN

##### 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

1. 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.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. 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.
4. 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.
5. 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.
6. 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) 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.

#### For Part 22 & Part 24 & Part 27

1. In the semi-anechoic chamber, EUT placed on the 0.8m(below or equal 1GHz) and/or 1.5m(above 1GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
2. 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.
3. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
4. Following C63.26 section 5.5 and 5.2.7  
$$\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8;$$
 where D is the measurement distance (in the far field region) in m.  
$$\text{ERP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8 - 2.15;$$
 where D is the measurement distance (in the far field region) in m.

#### NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.
  2. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz:
- The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

#### For Part 90

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
- b.  $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}.$
- c. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,  $\text{E.R.P power} = \text{E.I.P.R power} - 2.15 \text{ dB}.$

**Note:** The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

### For NFC

#### For Radiated Emission below 30 MHz

- 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, except for the frequency band (9kHz-90kHz, 110Hz-490kHz) set to average detect function.

#### Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.
2. There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

#### For Radiated Emission above 30 MHz

9. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
10. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
11. 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.
12. 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.
13. 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.
14. The test-receiver system was set to peak and average detected 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:

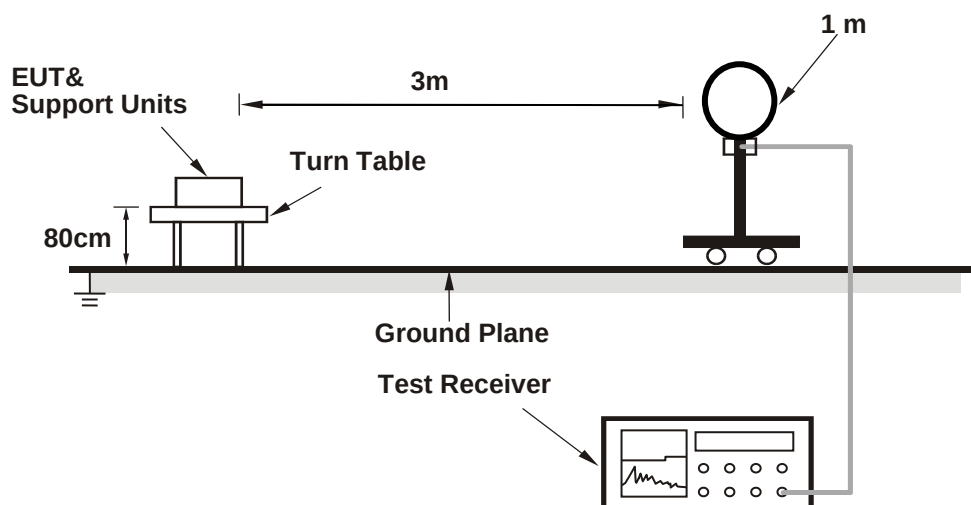
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK)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

#### 4.1.4 Deviation from Test Standard

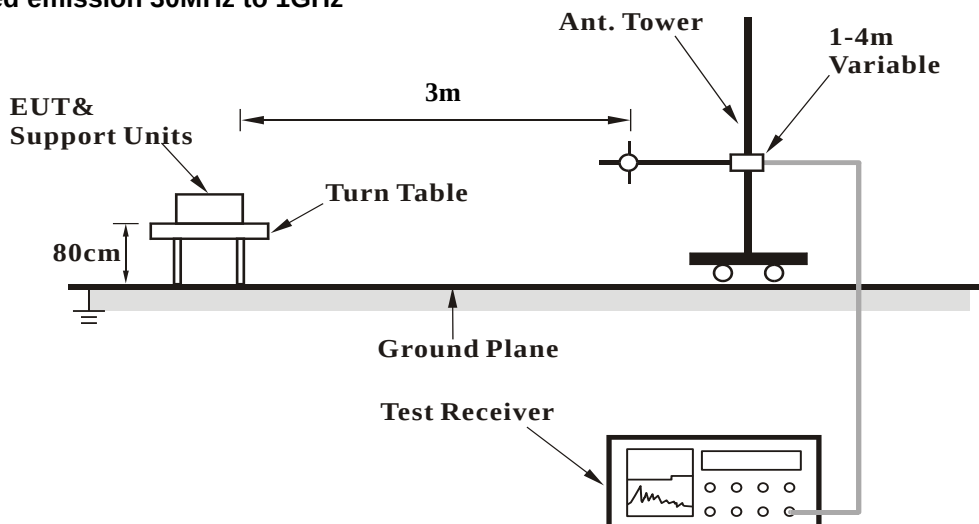
No deviation.

#### 4.1.5 Test Setup

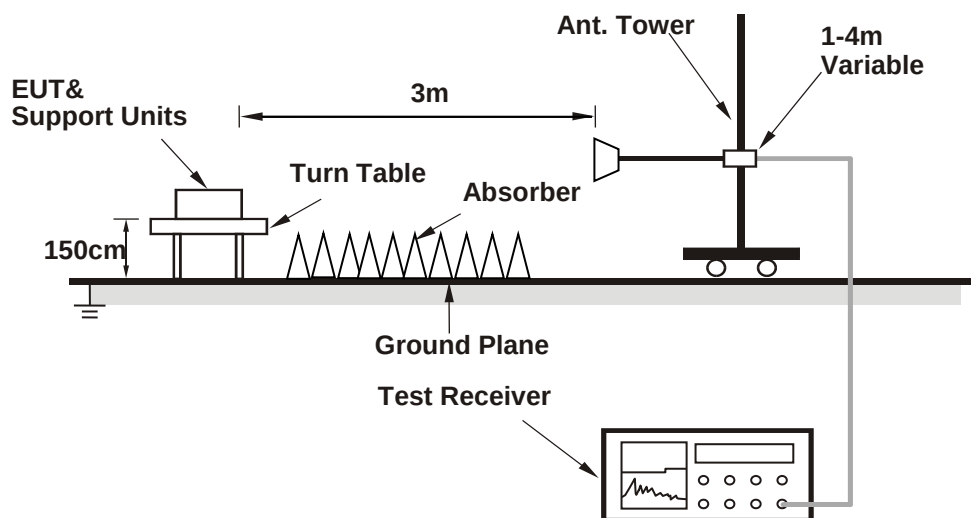
##### For Radiated emission below 30MHz



##### 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

1. Placed the EUT on the testing table.
2. Set the EUT under transmission condition continuously at specific channel frequency.

#### 4.1.7 Test Results

Above 1 GHz Data :

Mode A

11n (HT20) + LTE Bang 26 (Part 22) + NFC

|                 |                      |                   |                           |
|-----------------|----------------------|-------------------|---------------------------|
| Channel         | Ch6 + Ch 26797 + Ch1 | Detector Function | Peak (PK)<br>Average (AV) |
| Frequency Range | 1GHz ~ 25GHz         |                   |                           |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *2437.00        | 101.7 PK                |                |             | 2.06 H             | 317                  | 69.7             | 32.0                     |
| 2                                                    | *2437.00        | 93.3 AV                 |                |             | 2.06 H             | 317                  | 61.3             | 32.0                     |
| 3                                                    | 4874.00         | 47.9 PK                 | 74.0           | -26.1       | 1.87 H             | 232                  | 58.3             | -10.4                    |
| 4                                                    | 4874.00         | 37.8 AV                 | 54.0           | -16.2       | 1.87 H             | 232                  | 48.2             | -10.4                    |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |                         |                |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *2437.00        | 97.4 PK                 |                |             | 2.86 V             | 255                  | 65.4             | 32.0                     |
| 2                                                    | *2437.00        | 89.6 AV                 |                |             | 2.86 V             | 255                  | 57.6             | 32.0                     |
| 3                                                    | 4874.00         | 46.7 PK                 | 74.0           | -27.3       | 3.18 V             | 152                  | 57.1             | -10.4                    |
| 4                                                    | 4874.00         | 36.8 AV                 | 54.0           | -17.2       | 3.18 V             | 152                  | 47.2             | -10.4                    |

#### 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.
5. " \* ": Fundamental frequency.

|                |                      |                        |               |
|----------------|----------------------|------------------------|---------------|
| <b>Channel</b> | Ch6 + Ch 26797 + Ch1 | <b>Frequency Range</b> | 1GMHz ~ 18GHz |
|----------------|----------------------|------------------------|---------------|

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1649.40         | -26.94    | -13.00      | -13.94      | 1.35 H             | 232                  | 95.26            | -122.20                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |           |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1649.40         | -27.19    | -13.00      | -14.19      | 2.01 V             | 156                  | 95.01            | -122.20                  |

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

# 11n (HT20) + LTE Bang 2 + NFC

|                 |                       |                   |                           |
|-----------------|-----------------------|-------------------|---------------------------|
| Channel         | Ch 6 + Ch 19185 + Ch1 | Detector Function | Peak (PK)<br>Average (AV) |
| Frequency Range | 1GHz ~ 25GHz          |                   |                           |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *2437.00        | 101.6 PK                |                |             | 1.87 H             | 284                  | 69.6             | 32.0                     |
| 2                                                    | *2437.00        | 93.5 AV                 |                |             | 1.87 H             | 284                  | 61.5             | 32.0                     |
| 3                                                    | 4874.00         | 46.9 PK                 | 74.0           | -27.1       | 3.12 H             | 157                  | 57.3             | -10.4                    |
| 4                                                    | 4874.00         | 36.7 AV                 | 54.0           | -17.3       | 3.12 H             | 157                  | 47.1             | -10.4                    |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |                         |                |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *2437.00        | 97.2 PK                 |                |             | 2.78 V             | 255                  | 65.2             | 32.0                     |
| 2                                                    | *2437.00        | 89.3 AV                 |                |             | 2.78 V             | 255                  | 57.3             | 32.0                     |
| 3                                                    | 4874.00         | 46.7 PK                 | 74.0           | -27.3       | 3.32 V             | 152                  | 57.1             | -10.4                    |
| 4                                                    | 4874.00         | 36.9 AV                 | 54.0           | -17.1       | 3.32 V             | 152                  | 47.3             | -10.4                    |

## 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.
5. " \* ": Fundamental frequency.

|         |                       |                 |               |
|---------|-----------------------|-----------------|---------------|
| Channel | Ch 6 + Ch 19185 + Ch1 | Frequency Range | 1GMHz ~ 18GHz |
|---------|-----------------------|-----------------|---------------|

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3812.00         | -49.07     | -13.00      | -36.07      | 1.75 H             | 75                   | 66.35            | -115.42                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3817.00         | -54.39     | -13.00      | -41.39      | 1.32 V             | 31                   | 61.02            | -115.41                  |

## Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

### 11n (HT20) + LTE Bang 4 + NFC

|                        |                      |                          |                           |
|------------------------|----------------------|--------------------------|---------------------------|
| <b>Channel</b>         | Ch6 + Ch 20050 + Ch1 | <b>Detector Function</b> | Peak (PK)<br>Average (AV) |
| <b>Frequency Range</b> | 1GHz ~ 25GHz         |                          |                           |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *2437.00        | 101.7 PK                |                |             | 1.78 H             | 325                  | 69.7             | 32.0                     |
| 2                                                    | *2437.00        | 93.5 AV                 |                |             | 1.78 H             | 325                  | 61.5             | 32.0                     |
| 3                                                    | 4874.00         | 48.0 PK                 | 74.0           | -26.0       | 2.78 H             | 333                  | 58.4             | -10.4                    |
| 4                                                    | 4874.00         | 37.8 AV                 | 54.0           | -16.2       | 2.78 H             | 333                  | 48.2             | -10.4                    |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |                         |                |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *2437.00        | 97.3 PK                 |                |             | 2.78 V             | 253                  | 65.3             | 32.0                     |
| 2                                                    | *2437.00        | 89.5 AV                 |                |             | 2.78 V             | 253                  | 57.5             | 32.0                     |
| 3                                                    | 4874.00         | 46.8 PK                 | 74.0           | -27.2       | 2.87 V             | 123                  | 57.2             | -10.4                    |
| 4                                                    | 4874.00         | 36.8 AV                 | 54.0           | -17.2       | 2.87 V             | 123                  | 47.2             | -10.4                    |

#### 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.
5. " \* ": Fundamental frequency.

|                |                      |                        |               |
|----------------|----------------------|------------------------|---------------|
| <b>Channel</b> | Ch6 + Ch 20050 + Ch1 | <b>Frequency Range</b> | 1GMHz ~ 18GHz |
|----------------|----------------------|------------------------|---------------|

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3440.00         | -36.27     | -13.00      | -23.27      | 1.32 H             | 26                   | 80.17            | -116.44                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3440.00         | -37.44     | -13.00      | -24.44      | 2.03 V             | 15                   | 79.00            | -116.44                  |

#### Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

# 11n (HT20) + LTE Bang 26 (Part 90) + NFC

|                 |                      |                   |                           |
|-----------------|----------------------|-------------------|---------------------------|
| Channel         | Ch6 + Ch 26697 + Ch1 | Detector Function | Peak (PK)<br>Average (AV) |
| Frequency Range | 1GHz ~ 25GHz         |                   |                           |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *2437.00        | 101.5 PK                |                |             | 1.69 H             | 296                  | 69.5             | 32.0                     |
| 2                                                    | *2437.00        | 93.7 AV                 |                |             | 1.69 H             | 296                  | 61.7             | 32.0                     |
| 3                                                    | 4874.00         | 48.0 PK                 | 74.0           | -26.0       | 1.87 H             | 226                  | 58.4             | -10.4                    |
| 4                                                    | 4874.00         | 37.8 AV                 | 54.0           | -16.2       | 1.87 H             | 226                  | 48.2             | -10.4                    |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |                         |                |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *2437.00        | 97.2 PK                 |                |             | 2.76 V             | 286                  | 65.2             | 32.0                     |
| 2                                                    | *2437.00        | 89.5 AV                 |                |             | 2.76 V             | 286                  | 57.5             | 32.0                     |
| 3                                                    | 4874.00         | 46.8 PK                 | 74.0           | -27.2       | 3.15 V             | 152                  | 57.2             | -10.4                    |
| 4                                                    | 4874.00         | 36.8 AV                 | 54.0           | -17.2       | 3.15 V             | 152                  | 47.2             | -10.4                    |

## 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.
5. " \* ": Fundamental frequency.

|         |                      |                 |               |
|---------|----------------------|-----------------|---------------|
| Channel | Ch6 + Ch 26697 + Ch1 | Frequency Range | 1GMHz ~ 18GHz |
|---------|----------------------|-----------------|---------------|

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1629.40         | -26.47    | -13.00      | -13.47      | 1.23 H             | 278                  | 95.74            | -122.21                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |           |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1629.40         | -26.63    | -13.00      | -13.63      | 1.47 V             | 232                  | 95.58            | -122.21                  |

## Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

## Mode B

### 11n (HT20) + NFC

|                        |              |                          |                           |
|------------------------|--------------|--------------------------|---------------------------|
| <b>Channel</b>         | Ch6 + Ch1    | <b>Detector Function</b> | Peak (PK)<br>Average (AV) |
| <b>Frequency Range</b> | 1GHz ~ 25GHz |                          |                           |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *2437.00        | 102.1 PK                |                |             | 2.29 H             | 343                  | 70.1             | 32.0                     |
| 2                                                    | *2437.00        | 94.2 AV                 |                |             | 2.29 H             | 343                  | 62.2             | 32.0                     |
| 3                                                    | 4874.00         | 48.0 PK                 | 74.0           | -26.0       | 2.96 H             | 154                  | 58.4             | -10.4                    |
| 4                                                    | 4874.00         | 37.9 AV                 | 54.0           | -16.1       | 2.96 H             | 154                  | 48.3             | -10.4                    |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |                         |                |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *2437.00        | 96.7 PK                 |                |             | 1.01 V             | 30                   | 64.7             | 32.0                     |
| 2                                                    | *2437.00        | 88.7 AV                 |                |             | 1.01 V             | 30                   | 56.7             | 32.0                     |
| 3                                                    | 4874.00         | 46.8 PK                 | 74.0           | -27.2       | 2.32 V             | 147                  | 57.2             | -10.4                    |
| 4                                                    | 4874.00         | 37.0 AV                 | 54.0           | -17.0       | 2.32 V             | 147                  | 47.4             | -10.4                    |

#### 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.
5. " \* ": Fundamental frequency.

Below 30MHz data

Mode A

11n (HT20) + LTE Bang 26 (Part 22) + NFC

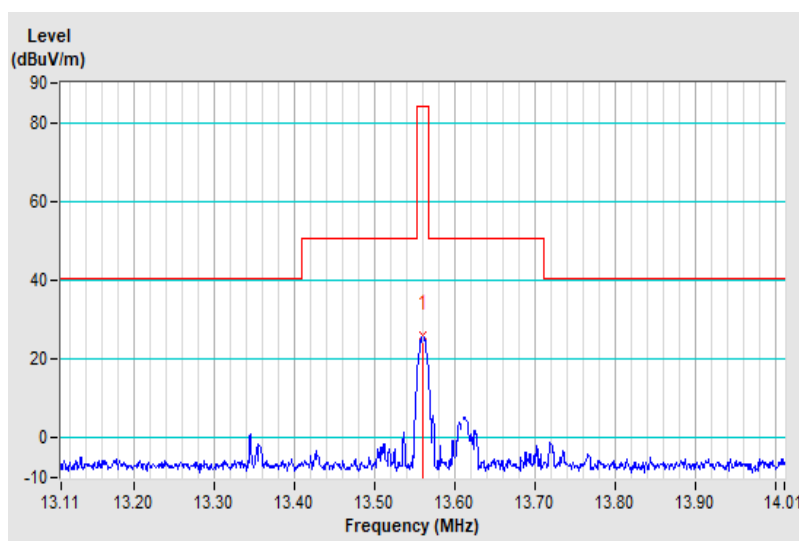
|                 |                      |                               |                       |
|-----------------|----------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch 26797 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz  |                               |                       |

| Antenna Polarity : Parallel |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                          | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                           | *13.56          | 26.1 QP                 | 84.0           | -57.9       | 1.00               | 175                  | 44.3             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



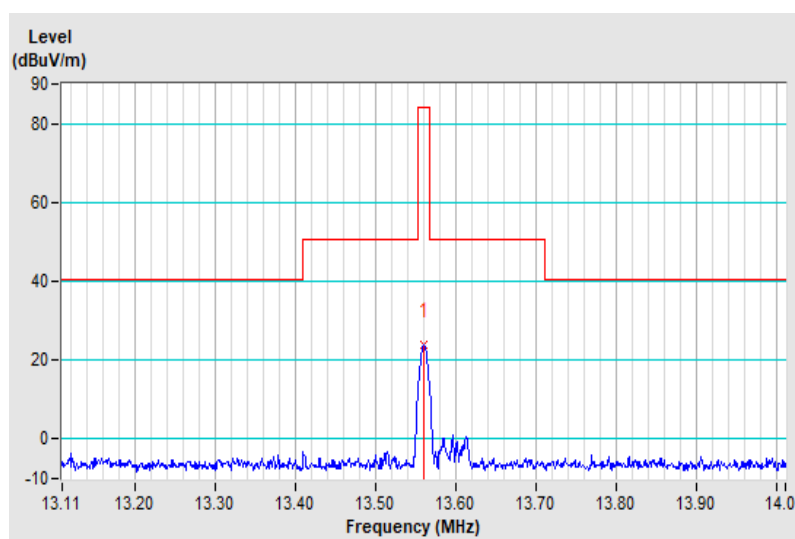
|                 |                      |                               |                       |
|-----------------|----------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch 26797 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz  |                               |                       |

| Antenna Polarity : Perpendicular |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                               | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                | *13.56          | 24.5 QP                 | 84.0           | -59.5       | 1.00               | 259                  | 42.7             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



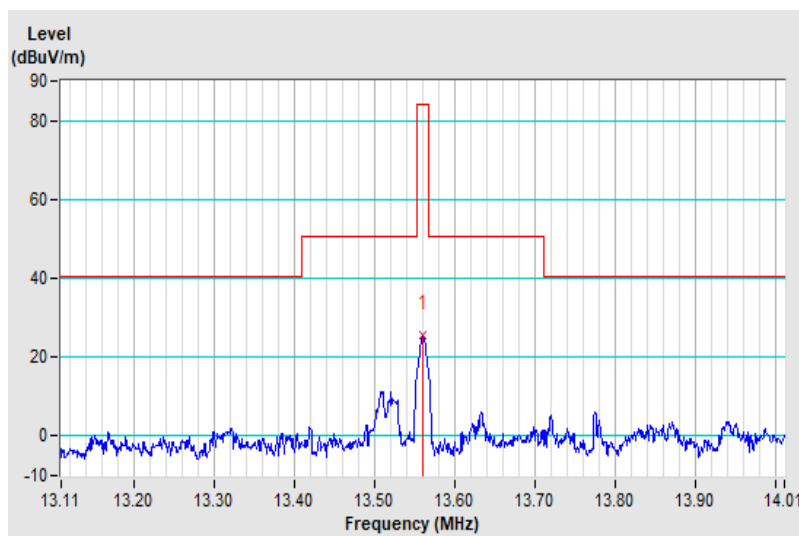
|                 |                      |                               |                       |
|-----------------|----------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch 26797 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz  |                               |                       |

| Antenna Polarity : Ground-parallel |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                  | *13.56          | 25.7 QP                 | 84.0           | -58.3       | 1.00               | 190                  | 43.9             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

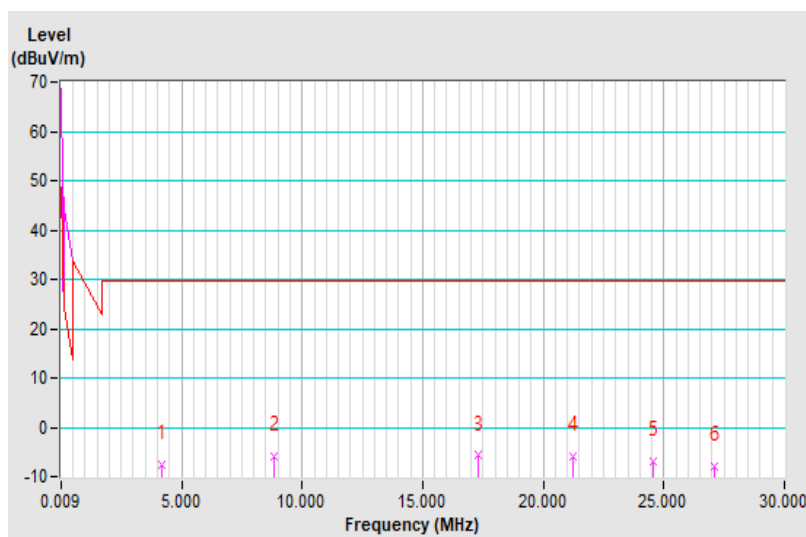


|                 |                      |                               |                 |
|-----------------|----------------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch 26797 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz         |                               |                 |

| Antenna Polarity : Parallel |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                          | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                           | 4.18            | -7.7 PK                 | 29.5           | -37.2       | 1.00               | 188                  | 12.3             | -20.0                    |
| 2                           | 8.83            | -5.9 PK                 | 29.5           | -35.4       | 1.00               | 268                  | 12.7             | -18.6                    |
| 3                           | 17.28           | -5.8 PK                 | 29.5           | -35.3       | 1.00               | 159                  | 12.3             | -18.1                    |
| 4                           | 21.24           | -5.8 PK                 | 29.5           | -35.3       | 1.00               | 18                   | 12.3             | -18.1                    |
| 5                           | 24.54           | -7.0 PK                 | 29.5           | -36.5       | 1.00               | 195                  | 11.1             | -18.1                    |
| 6                           | 27.12           | -7.9 PK                 | 29.5           | -37.4       | 1.00               | 69                   | 10.2             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

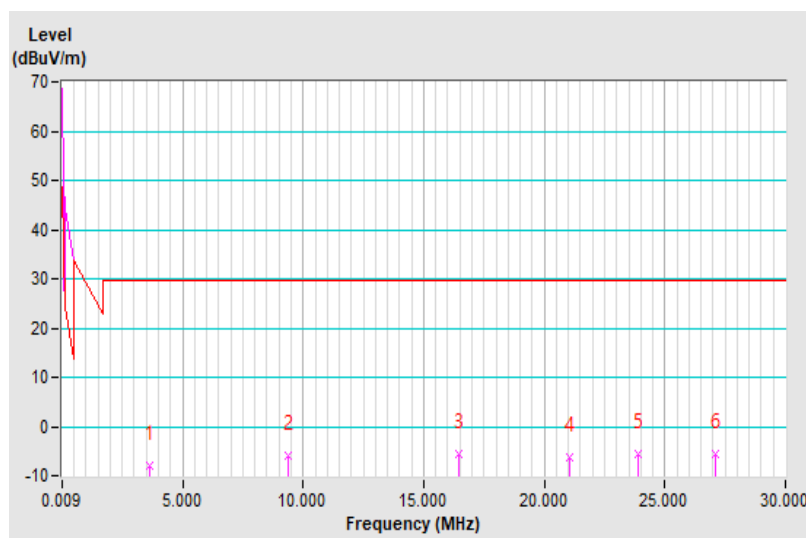


|                 |                      |                               |                 |
|-----------------|----------------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch 26797 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz         |                               |                 |

| Antenna Polarity : Perpendicular |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                               | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                | 3.61            | -8.1 PK                 | 29.5           | -37.6       | 1.00               | 168                  | 11.8             | -19.9                    |
| 2                                | 9.37            | -6.0 PK                 | 29.5           | -35.5       | 1.00               | 254                  | 12.4             | -18.4                    |
| 3                                | 16.44           | -5.6 PK                 | 29.5           | -35.1       | 1.00               | 342                  | 12.5             | -18.1                    |
| 4                                | 21.03           | -6.3 PK                 | 29.5           | -35.8       | 1.00               | 158                  | 11.8             | -18.1                    |
| 5                                | 23.88           | -5.7 PK                 | 29.5           | -35.2       | 1.00               | 181                  | 12.4             | -18.1                    |
| 6                                | 27.12           | -5.5 PK                 | 29.5           | -35.0       | 1.00               | 286                  | 12.6             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

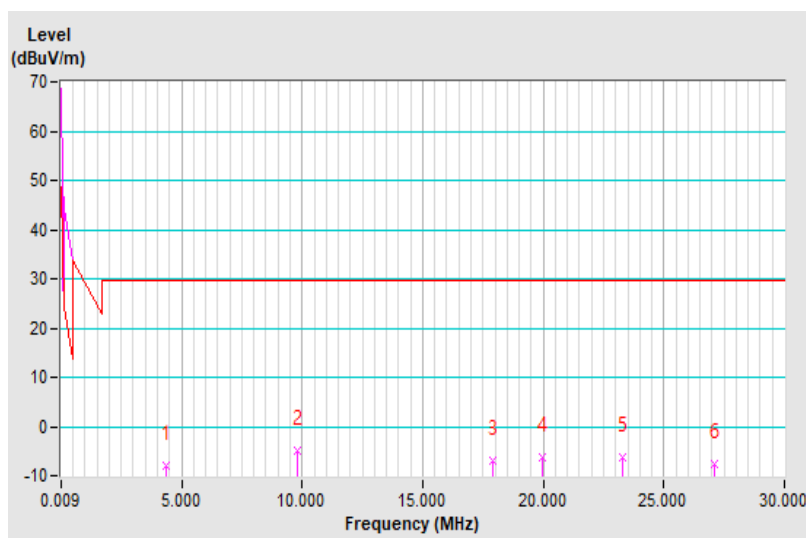


|                 |                      |                               |                 |
|-----------------|----------------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch 26797 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz         |                               |                 |

| Antenna Polarity : Ground-parallel |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                  | 4.36            | -8.0 PK                 | 29.5           | -37.5       | 1.00               | 292                  | 12.0             | -20.0                    |
| 2                                  | 9.79            | -4.9 PK                 | 29.5           | -34.4       | 1.00               | 268                  | 13.4             | -18.3                    |
| 3                                  | 17.88           | -6.9 PK                 | 29.5           | -36.4       | 1.00               | 242                  | 11.2             | -18.1                    |
| 4                                  | 19.95           | -6.2 PK                 | 29.5           | -35.7       | 1.00               | 261                  | 11.9             | -18.1                    |
| 5                                  | 23.31           | -6.3 PK                 | 29.5           | -35.8       | 1.00               | 134                  | 11.8             | -18.1                    |
| 6                                  | 27.12           | -7.6 PK                 | 29.5           | -37.1       | 1.00               | 6                    | 10.5             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



# 11n (HT20) + LTE Bang 2 + NFC

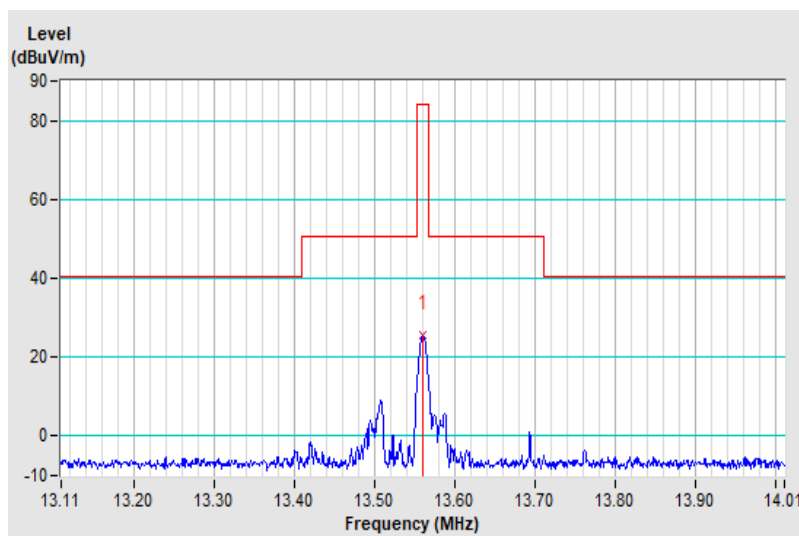
|                 |                       |                               |                       |
|-----------------|-----------------------|-------------------------------|-----------------------|
| Channel         | Ch 6 + Ch 19185 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz   |                               |                       |

| Antenna Polarity : Parallel |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                          | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                           | *13.56          | 25.7 QP                 | 84.0           | -58.3       | 1.00               | 172                  | 43.9             | -18.2                    |

## 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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



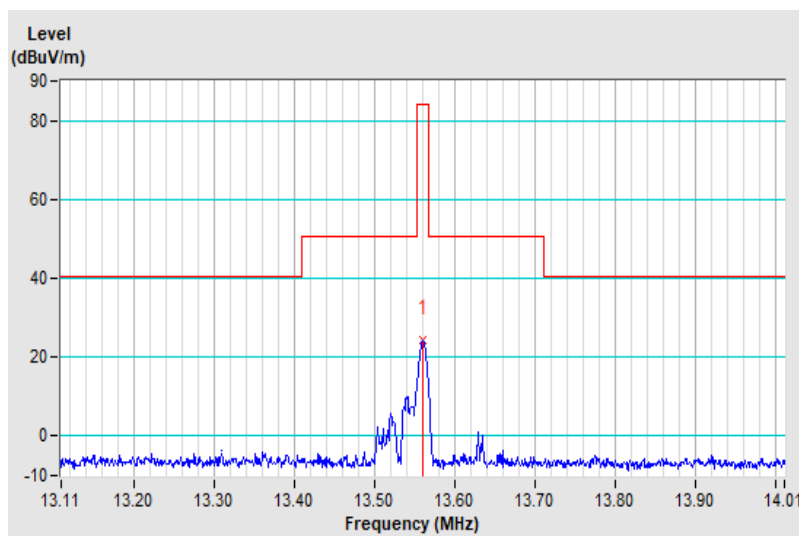
|                 |                       |                               |                       |
|-----------------|-----------------------|-------------------------------|-----------------------|
| Channel         | Ch 6 + Ch 19185 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz   |                               |                       |

| Antenna Polarity : Perpendicular |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                               | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                | *13.56          | 24.2 QP                 | 84.0           | -59.8       | 1.00               | 269                  | 42.4             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



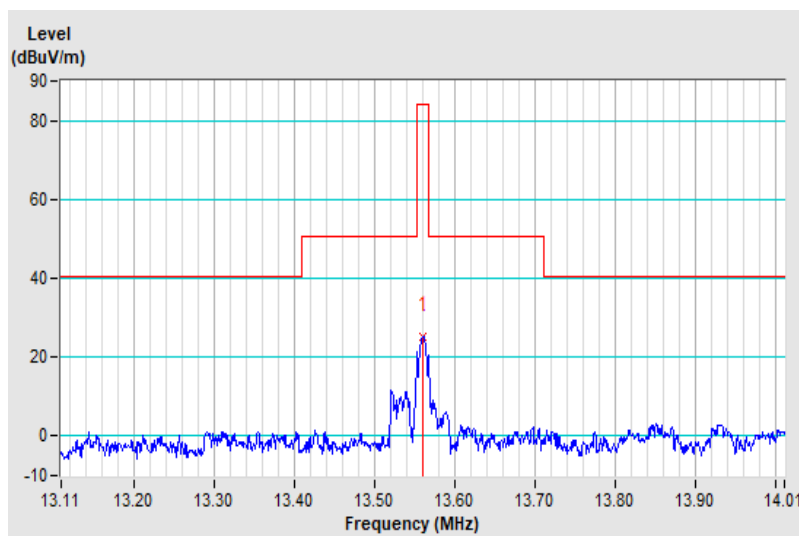
|                 |                       |                               |                       |
|-----------------|-----------------------|-------------------------------|-----------------------|
| Channel         | Ch 6 + Ch 19185 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz   |                               |                       |

| Antenna Polarity : Ground-parallel |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                  | *13.56          | 25.1 QP                 | 84.0           | -58.9       | 1.00               | 203                  | 43.3             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

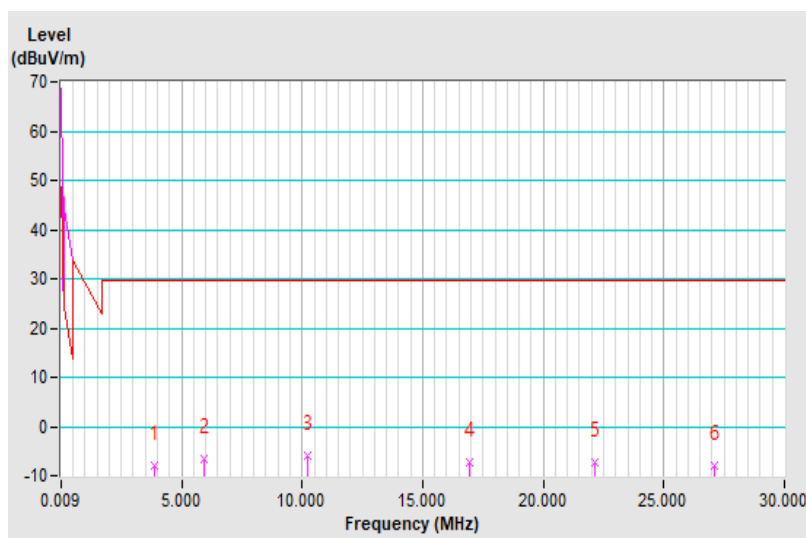


|                 |                       |                               |                 |
|-----------------|-----------------------|-------------------------------|-----------------|
| Channel         | Ch 6 + Ch 19185 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz          |                               |                 |

| Antenna Polarity : Parallel |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                          | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                           | 3.88            | -8.0 PK                 | 29.5           | -37.5       | 1.00               | 292                  | 11.9             | -19.9                    |
| 2                           | 5.95            | -6.7 PK                 | 29.5           | -36.2       | 1.00               | 63                   | 13.0             | -19.7                    |
| 3                           | 10.24           | -5.8 PK                 | 29.5           | -35.3       | 1.00               | 204                  | 12.4             | -18.2                    |
| 4                           | 16.92           | -7.4 PK                 | 29.5           | -36.9       | 1.00               | 7                    | 10.7             | -18.1                    |
| 5                           | 22.14           | -7.3 PK                 | 29.5           | -36.8       | 1.00               | 175                  | 10.8             | -18.1                    |
| 6                           | 27.12           | -7.9 PK                 | 29.5           | -37.4       | 1.00               | 17                   | 10.2             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

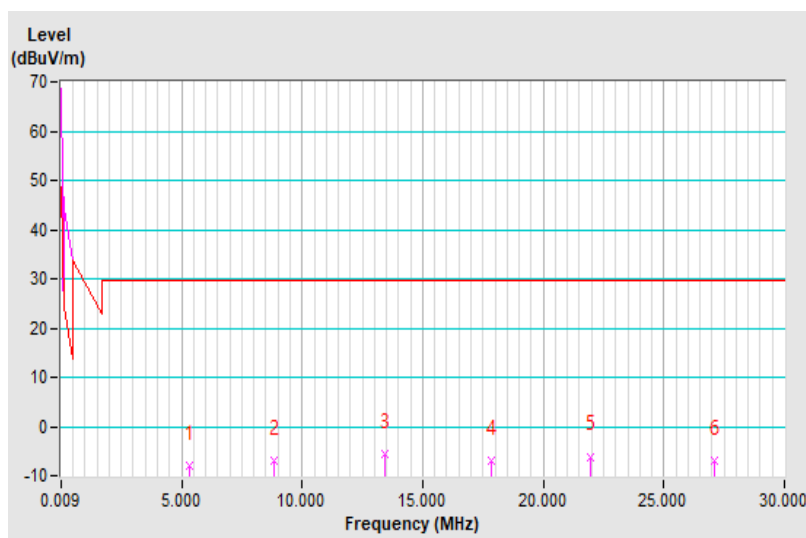


|                 |                       |                               |                 |
|-----------------|-----------------------|-------------------------------|-----------------|
| Channel         | Ch 6 + Ch 19185 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz          |                               |                 |

| Antenna Polarity : Perpendicular |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                               | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                | 5.35            | -8.1 PK                 | 29.5           | -37.6       | 1.00               | 2                    | 11.9             | -20.0                    |
| 2                                | 8.83            | -6.8 PK                 | 29.5           | -36.3       | 1.00               | 172                  | 11.8             | -18.6                    |
| 3                                | 13.44           | -5.5 PK                 | 29.5           | -35.0       | 1.00               | 1                    | 12.7             | -18.2                    |
| 4                                | 17.85           | -6.9 PK                 | 29.5           | -36.4       | 1.00               | 219                  | 11.2             | -18.1                    |
| 5                                | 21.93           | -6.1 PK                 | 29.5           | -35.6       | 1.00               | 346                  | 12.0             | -18.1                    |
| 6                                | 27.12           | -7.0 PK                 | 29.5           | -36.5       | 1.00               | 17                   | 11.1             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

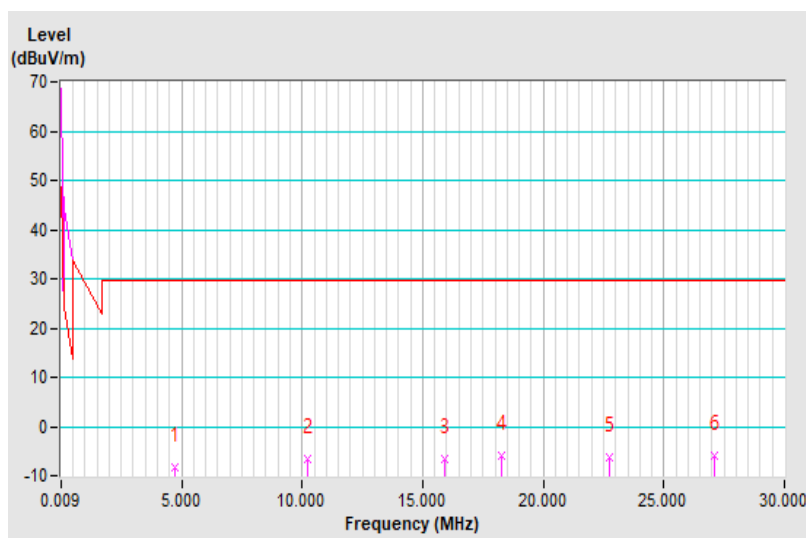


|                 |                       |                               |                 |
|-----------------|-----------------------|-------------------------------|-----------------|
| Channel         | Ch 6 + Ch 19185 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz          |                               |                 |

| Antenna Polarity : Ground-parallel |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                  | 4.72            | -8.4 PK                 | 29.5           | -37.9       | 1.00               | 292                  | 11.7             | -20.1                    |
| 2                                  | 10.21           | -6.7 PK                 | 29.5           | -36.2       | 1.00               | 184                  | 11.5             | -18.2                    |
| 3                                  | 15.90           | -6.7 PK                 | 29.5           | -36.2       | 1.00               | 200                  | 11.4             | -18.1                    |
| 4                                  | 18.24           | -5.8 PK                 | 29.5           | -35.3       | 1.00               | 95                   | 12.3             | -18.1                    |
| 5                                  | 22.74           | -6.2 PK                 | 29.5           | -35.7       | 1.00               | 300                  | 11.9             | -18.1                    |
| 6                                  | 27.12           | -5.8 PK                 | 29.5           | -35.3       | 1.00               | 173                  | 12.3             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



# 11n (HT20) + LTE Bang 4 + NFC

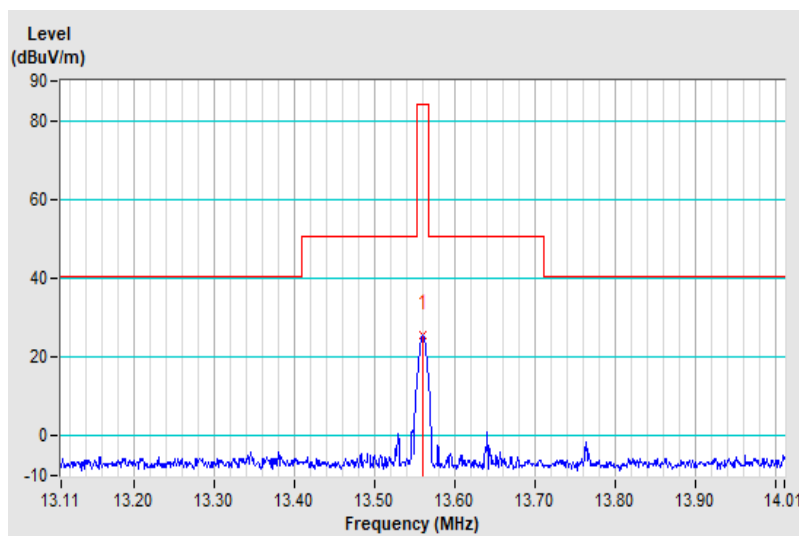
|                 |                      |                               |                       |
|-----------------|----------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch 20050 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz  |                               |                       |

| Antenna Polarity : Parallel |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                          | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                           | *13.56          | 25.7 QP                 | 84.0           | -58.3       | 1.00               | 165                  | 43.9             | -18.2                    |

## 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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



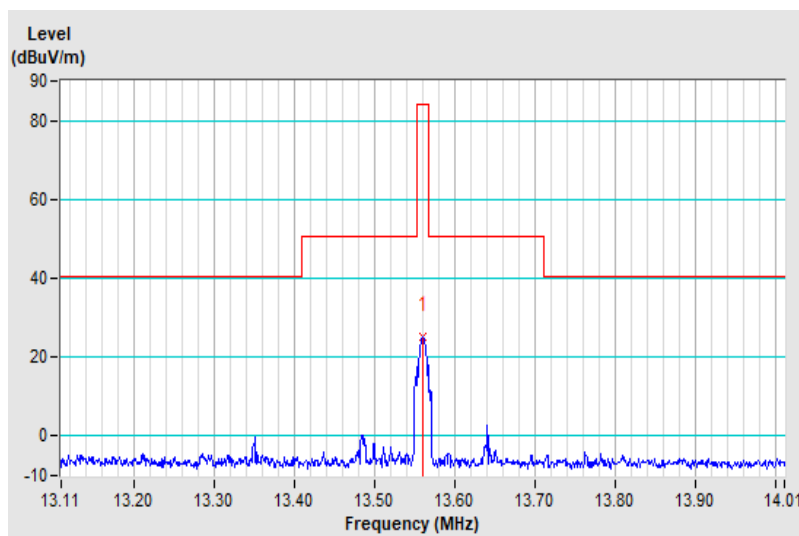
|                 |                      |                               |                       |
|-----------------|----------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch 20050 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz  |                               |                       |

| Antenna Polarity : Perpendicular |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                               | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                | *13.56          | 25.2 QP                 | 84.0           | -58.8       | 1.00               | 283                  | 43.4             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



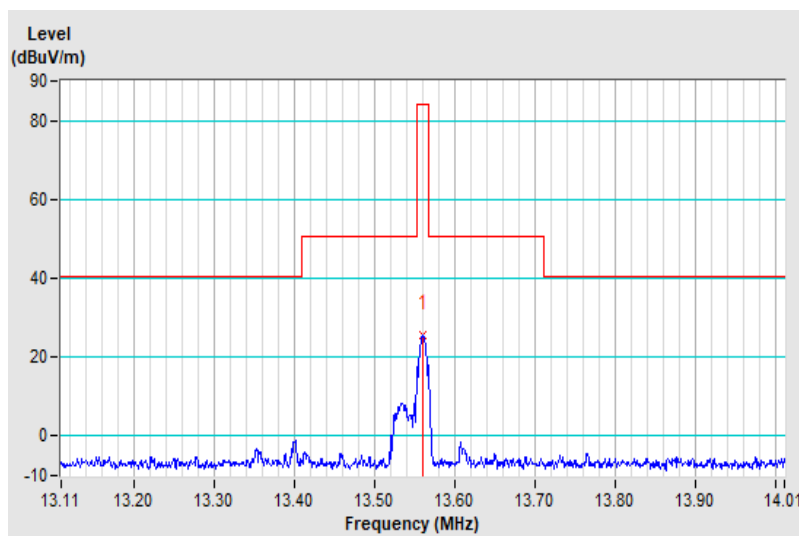
|                 |                      |                               |                       |
|-----------------|----------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch 20050 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz  |                               |                       |

| Antenna Polarity : Ground-parallel |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                  | *13.56          | 25.4 QP                 | 84.0           | -58.6       | 1.00               | 168                  | 43.6             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

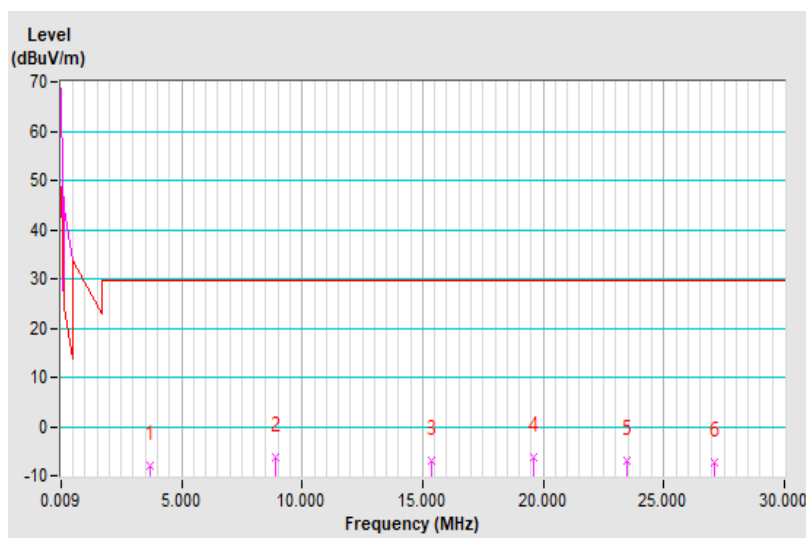


|                 |                      |                               |                 |
|-----------------|----------------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch 20050 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz         |                               |                 |

| Antenna Polarity : Parallel |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                          | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                           | 3.67            | -8.0 PK                 | 29.5           | -37.5       | 1.00               | 292                  | 11.9             | -19.9                    |
| 2                           | 8.89            | -6.3 PK                 | 29.5           | -35.8       | 1.00               | 2                    | 12.3             | -18.6                    |
| 3                           | 15.39           | -7.0 PK                 | 29.5           | -36.5       | 1.00               | 196                  | 11.1             | -18.1                    |
| 4                           | 19.62           | -6.2 PK                 | 29.5           | -35.7       | 1.00               | 33                   | 11.9             | -18.1                    |
| 5                           | 23.46           | -6.9 PK                 | 29.5           | -36.4       | 1.00               | 223                  | 11.2             | -18.1                    |
| 6                           | 27.12           | -7.4 PK                 | 29.5           | -36.9       | 1.00               | 288                  | 10.7             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

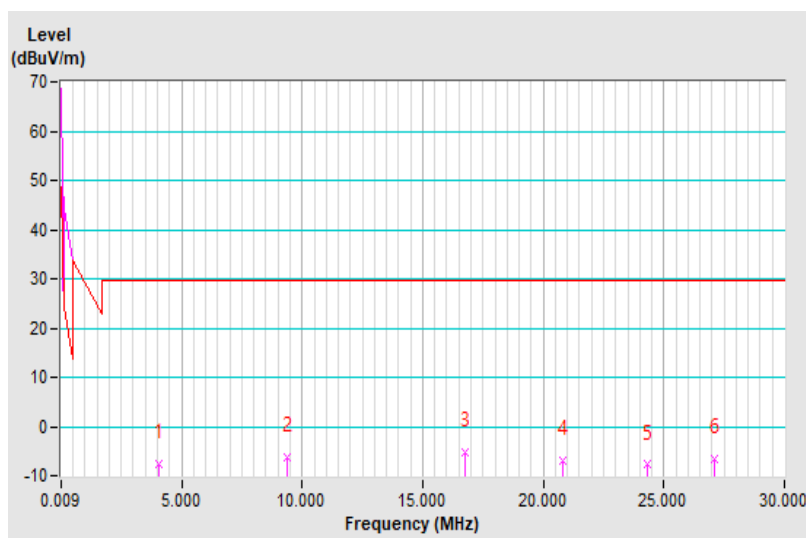


|                 |                      |                               |                 |
|-----------------|----------------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch 20050 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz         |                               |                 |

| Antenna Polarity : Perpendicular |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                               | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                | 4.06            | -7.5 PK                 | 29.5           | -37.0       | 1.00               | 167                  | 12.5             | -20.0                    |
| 2                                | 9.37            | -6.2 PK                 | 29.5           | -35.7       | 1.00               | 351                  | 12.2             | -18.4                    |
| 3                                | 16.77           | -5.3 PK                 | 29.5           | -34.8       | 1.00               | 263                  | 12.8             | -18.1                    |
| 4                                | 20.82           | -7.0 PK                 | 29.5           | -36.5       | 1.00               | 113                  | 11.1             | -18.1                    |
| 5                                | 24.33           | -7.8 PK                 | 29.5           | -37.3       | 1.00               | 278                  | 10.3             | -18.1                    |
| 6                                | 27.12           | -6.7 PK                 | 29.5           | -36.2       | 1.00               | 255                  | 11.4             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

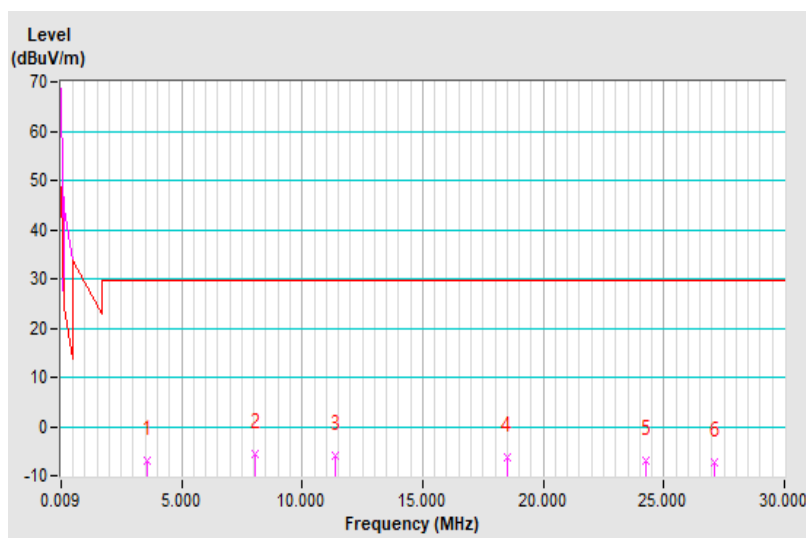


|                 |                      |                               |                 |
|-----------------|----------------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch 20050 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz         |                               |                 |

| Antenna Polarity : Ground-parallel |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                  | 3.55            | -6.9 PK                 | 29.5           | -36.4       | 1.00               | 15                   | 13.0             | -19.9                    |
| 2                                  | 8.08            | -5.7 PK                 | 29.5           | -35.2       | 1.00               | 338                  | 13.2             | -18.9                    |
| 3                                  | 11.38           | -6.0 PK                 | 29.5           | -35.5       | 1.00               | 256                  | 12.2             | -18.2                    |
| 4                                  | 18.48           | -6.2 PK                 | 29.5           | -35.7       | 1.00               | 178                  | 11.9             | -18.1                    |
| 5                                  | 24.24           | -6.9 PK                 | 29.5           | -36.4       | 1.00               | 16                   | 11.2             | -18.1                    |
| 6                                  | 27.12           | -7.3 PK                 | 29.5           | -36.8       | 1.00               | 59                   | 10.8             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



# 11n (HT20) + LTE Bang 26 (Part 90) + NFC

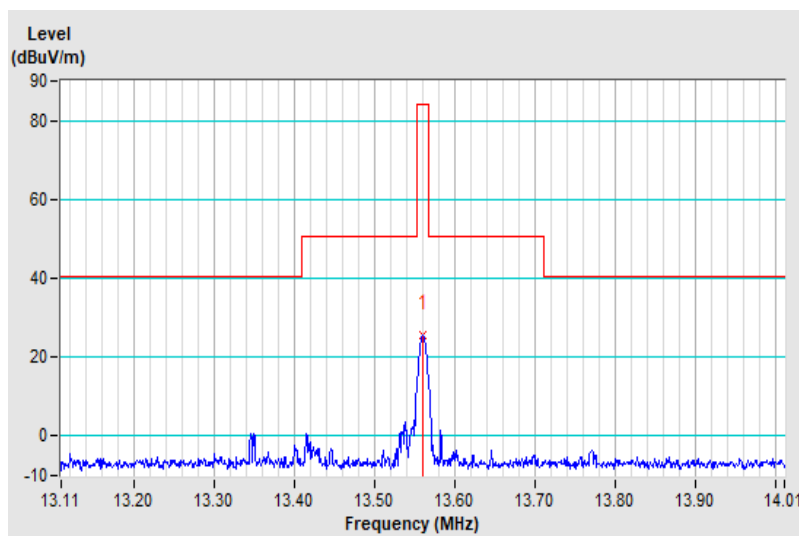
|                 |                      |                               |                       |
|-----------------|----------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch 26697 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz  |                               |                       |

| Antenna Polarity : Parallel |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                          | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                           | *13.56          | 25.7 QP                 | 84.0           | -58.3       | 1.00               | 181                  | 43.9             | -18.2                    |

## 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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



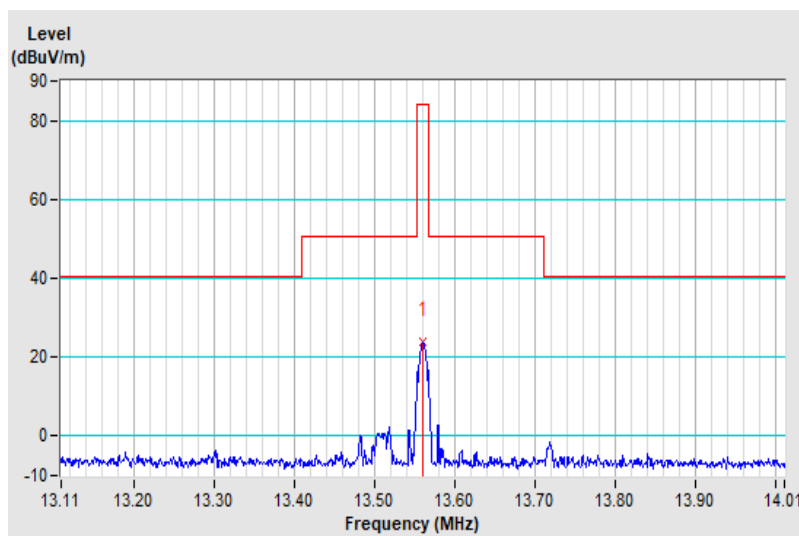
|                 |                      |                               |                       |
|-----------------|----------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch 26697 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz  |                               |                       |

| Antenna Polarity : Perpendicular |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                               | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                | *13.56          | 23.7 QP                 | 84.0           | -60.3       | 1.00               | 291                  | 41.9             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



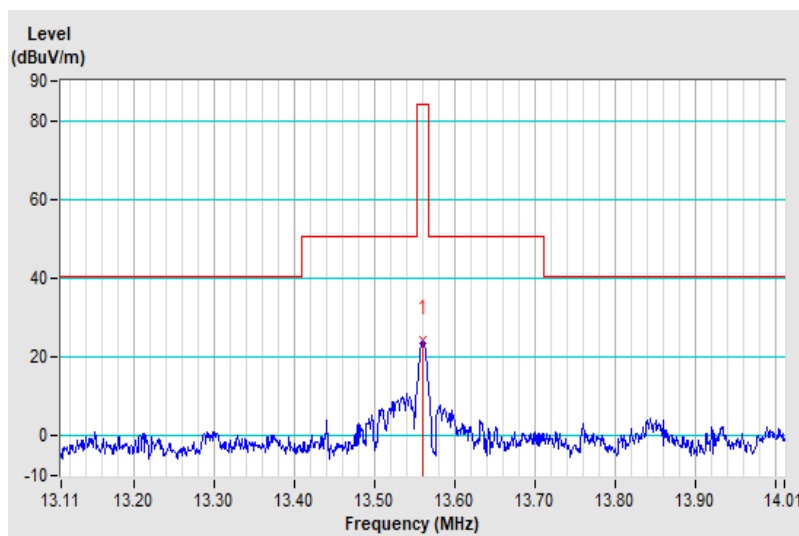
|                 |                      |                               |                       |
|-----------------|----------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch 26697 + Ch1 | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz  |                               |                       |

| Antenna Polarity : Ground-parallel |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                  | *13.56          | 24.5 QP                 | 84.0           | -59.5       | 1.00               | 188                  | 42.7             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

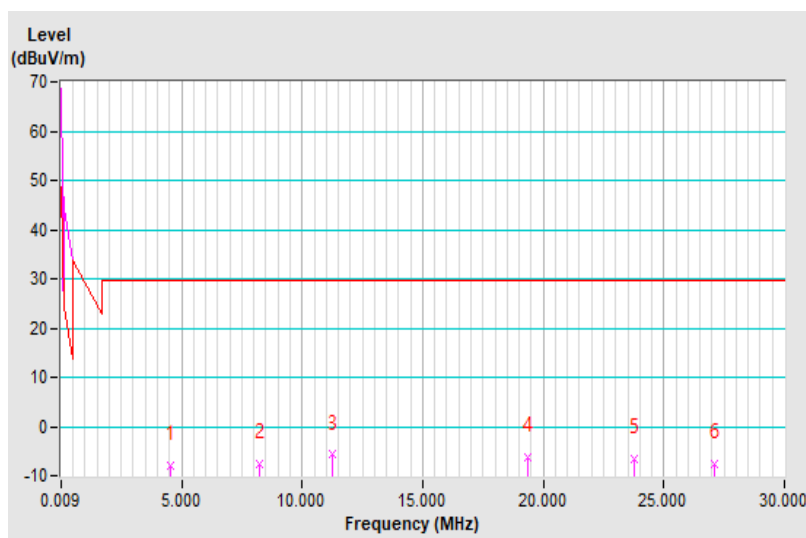


|                 |                      |                               |                 |
|-----------------|----------------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch 26697 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz         |                               |                 |

| Antenna Polarity : Parallel |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                          | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                           | 4.54            | -8.0 PK                 | 29.5           | -37.5       | 1.00               | 250                  | 12.0             | -20.0                    |
| 2                           | 8.23            | -7.5 PK                 | 29.5           | -37.0       | 1.00               | 39                   | 11.4             | -18.9                    |
| 3                           | 11.23           | -5.8 PK                 | 29.5           | -35.3       | 1.00               | 18                   | 12.4             | -18.2                    |
| 4                           | 19.35           | -6.2 PK                 | 29.5           | -35.7       | 1.00               | 116                  | 11.9             | -18.1                    |
| 5                           | 23.76           | -6.6 PK                 | 29.5           | -36.1       | 1.00               | 113                  | 11.5             | -18.1                    |
| 6                           | 27.12           | -7.7 PK                 | 29.5           | -37.2       | 1.00               | 48                   | 10.4             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

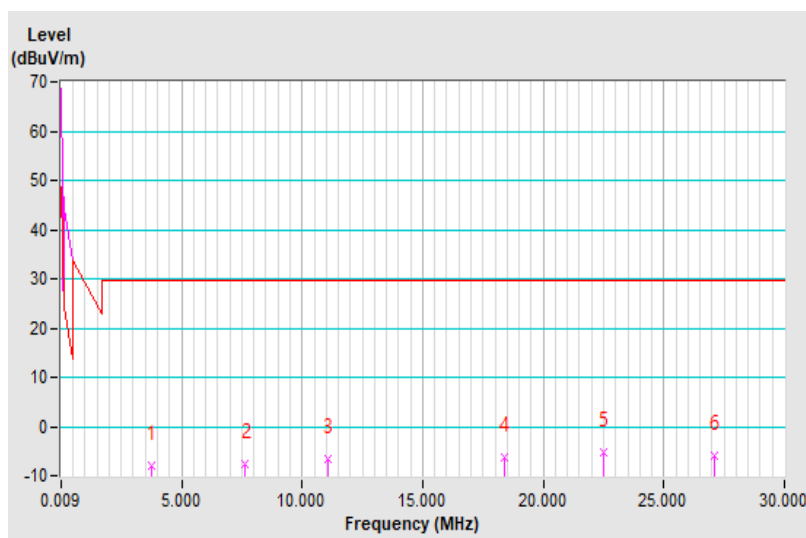


|                 |                      |                               |                 |
|-----------------|----------------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch 26697 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz         |                               |                 |

| Antenna Polarity : Perpendicular |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                               | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                | 3.73            | -8.1 PK                 | 29.5           | -37.6       | 1.00               | 167                  | 11.8             | -19.9                    |
| 2                                | 7.66            | -7.6 PK                 | 29.5           | -37.1       | 1.00               | 149                  | 11.5             | -19.1                    |
| 3                                | 11.08           | -6.7 PK                 | 29.5           | -36.2       | 1.00               | 319                  | 11.5             | -18.2                    |
| 4                                | 18.39           | -6.3 PK                 | 29.5           | -35.8       | 1.00               | 74                   | 11.8             | -18.1                    |
| 5                                | 22.53           | -5.2 PK                 | 29.5           | -34.7       | 1.00               | 77                   | 12.9             | -18.1                    |
| 6                                | 27.12           | -5.9 PK                 | 29.5           | -35.4       | 1.00               | 350                  | 12.2             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

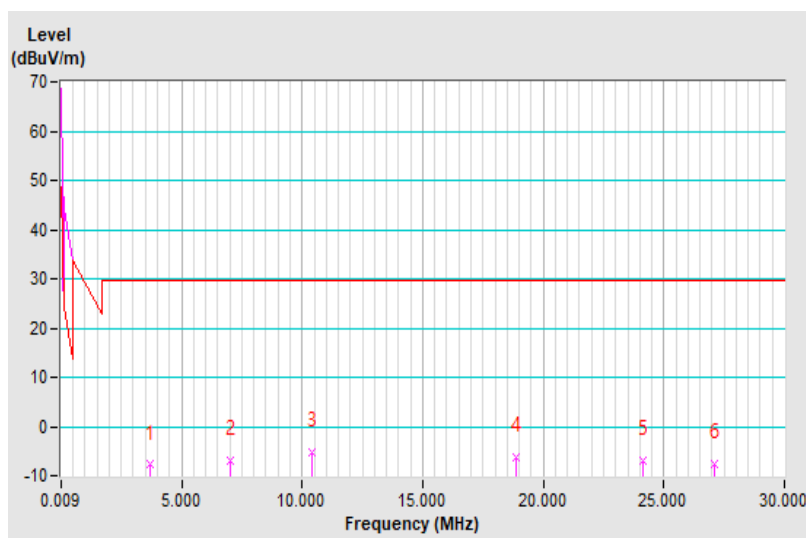


|                 |                      |                               |                 |
|-----------------|----------------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch 26697 + Ch1 | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz         |                               |                 |

| Antenna Polarity : Ground-parallel |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                  | 3.67            | -7.8 PK                 | 29.5           | -37.3       | 1.00               | 209                  | 12.1             | -19.9                    |
| 2                                  | 7.03            | -6.9 PK                 | 29.5           | -36.4       | 1.00               | 83                   | 12.4             | -19.3                    |
| 3                                  | 10.39           | -5.1 PK                 | 29.5           | -34.6       | 1.00               | 59                   | 13.1             | -18.2                    |
| 4                                  | 18.90           | -6.2 PK                 | 29.5           | -35.7       | 1.00               | 157                  | 11.9             | -18.1                    |
| 5                                  | 24.12           | -6.9 PK                 | 29.5           | -36.4       | 1.00               | 49                   | 11.2             | -18.1                    |
| 6                                  | 27.12           | -7.5 PK                 | 29.5           | -37.0       | 1.00               | 90                   | 10.6             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



## Mode B

### 11n (HT20) + NFC

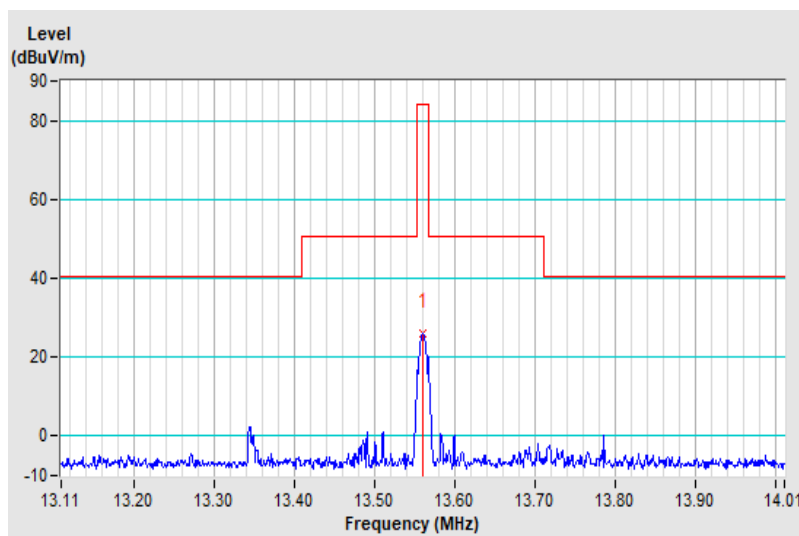
|                 |                     |                               |                       |
|-----------------|---------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch1           | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz |                               |                       |

| Antenna Polarity : Parallel |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                          | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                           | *13.56          | 26.1 QP                 | 84.0           | -57.9       | 1.00               | 2                    | 44.3             | -18.2                    |

#### 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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



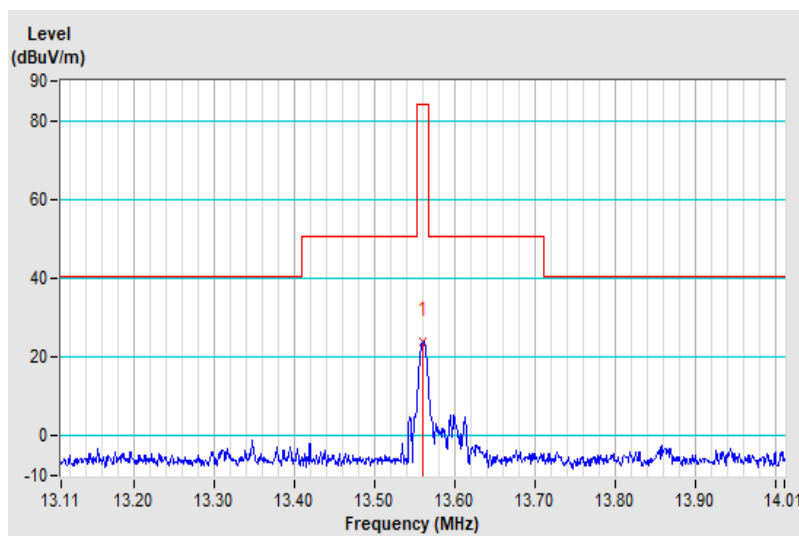
|                 |                     |                               |                       |
|-----------------|---------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch1           | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz |                               |                       |

| Antenna Polarity : Perpendicular |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                               | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                | *13.56          | 23.9 QP                 | 84.0           | -60.1       | 1.00               | 91                   | 42.1             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



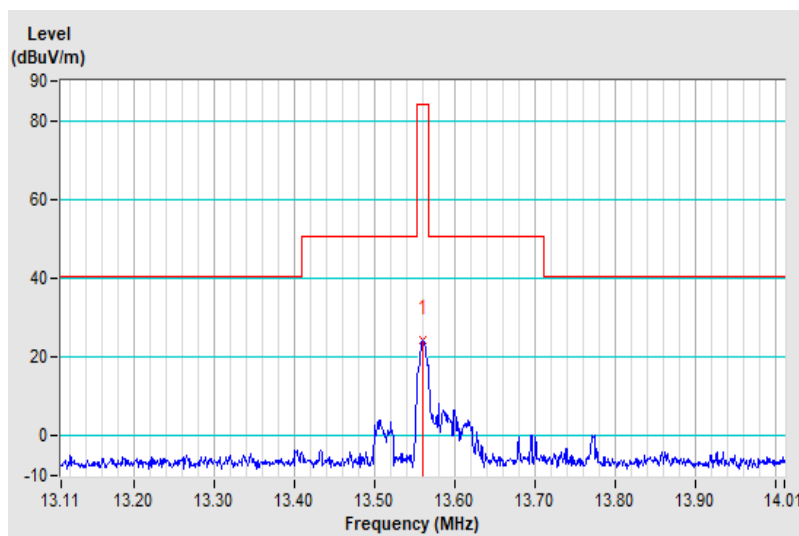
|                 |                     |                               |                       |
|-----------------|---------------------|-------------------------------|-----------------------|
| Channel         | Ch6 + Ch1           | Detector Function & Bandwidth | Quasi-Peak (QP), 9kHz |
| Frequency Range | 13.11MHz ~ 14.01MHz |                               |                       |

| Antenna Polarity : Ground-parallel |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                  | *13.56          | 24.3 QP                 | 84.0           | -59.7       | 1.00               | 198                  | 42.5             | -18.2                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " \* ": Fundamental frequency.
6. Above limits have been translated by the formula

The measured field strength was extrapolated to distance 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

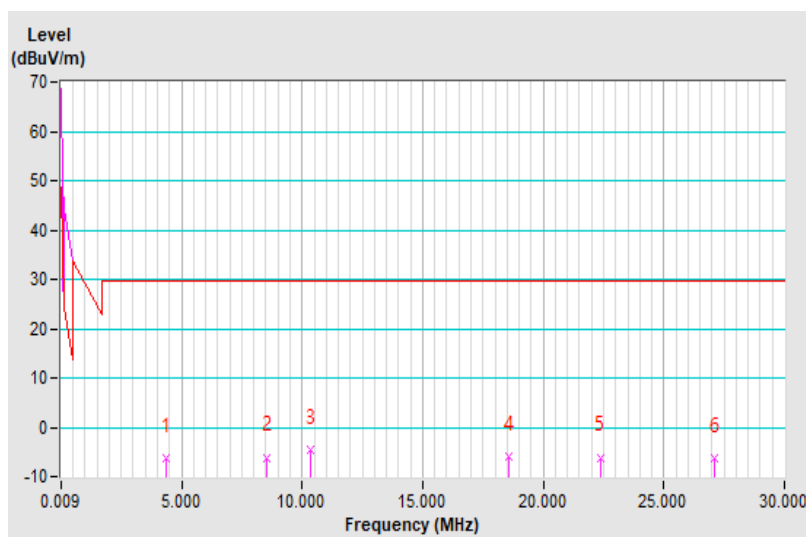


|                 |              |                               |                 |
|-----------------|--------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch1    | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz |                               |                 |

| Antenna Polarity : Parallel |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                          | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                           | 4.39            | -6.2 PK                 | 29.5           | -35.7       | 1.00               | 146                  | 13.8             | -20.0                    |
| 2                           | 8.56            | -6.1 PK                 | 29.5           | -35.6       | 1.00               | 123                  | 12.6             | -18.7                    |
| 3                           | 10.33           | -4.7 PK                 | 29.5           | -34.2       | 1.00               | 81                   | 13.5             | -18.2                    |
| 4                           | 18.57           | -6.0 PK                 | 29.5           | -35.5       | 1.00               | 157                  | 12.1             | -18.1                    |
| 5                           | 22.35           | -6.1 PK                 | 29.5           | -35.6       | 1.00               | 239                  | 12.0             | -18.1                    |
| 6                           | 27.12           | -6.4 PK                 | 29.5           | -35.9       | 1.00               | 132                  | 11.7             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

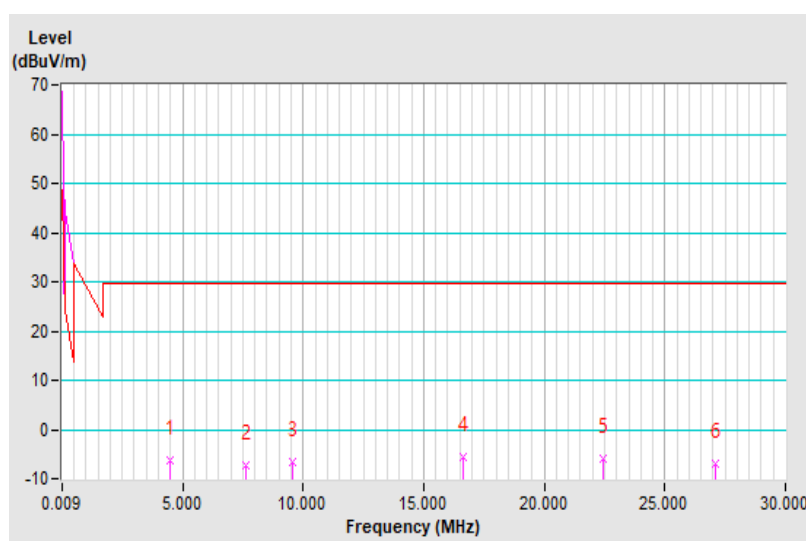


|                 |              |                               |                 |
|-----------------|--------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch1    | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz |                               |                 |

| Antenna Polarity : Perpendicular |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                               | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                | 4.48            | -6.4 PK                 | 29.5           | -35.9       | 1.00               | 188                  | 13.6             | -20.0                    |
| 2                                | 7.63            | -7.2 PK                 | 29.5           | -36.7       | 1.00               | 171                  | 11.9             | -19.1                    |
| 3                                | 9.58            | -6.5 PK                 | 29.5           | -36.0       | 1.00               | 214                  | 11.9             | -18.4                    |
| 4                                | 16.65           | -5.6 PK                 | 29.5           | -35.1       | 1.00               | 19                   | 12.5             | -18.1                    |
| 5                                | 22.44           | -5.9 PK                 | 29.5           | -35.4       | 1.00               | 326                  | 12.2             | -18.1                    |
| 6                                | 27.12           | -7.1 PK                 | 29.5           | -36.6       | 1.00               | 184                  | 11.0             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)

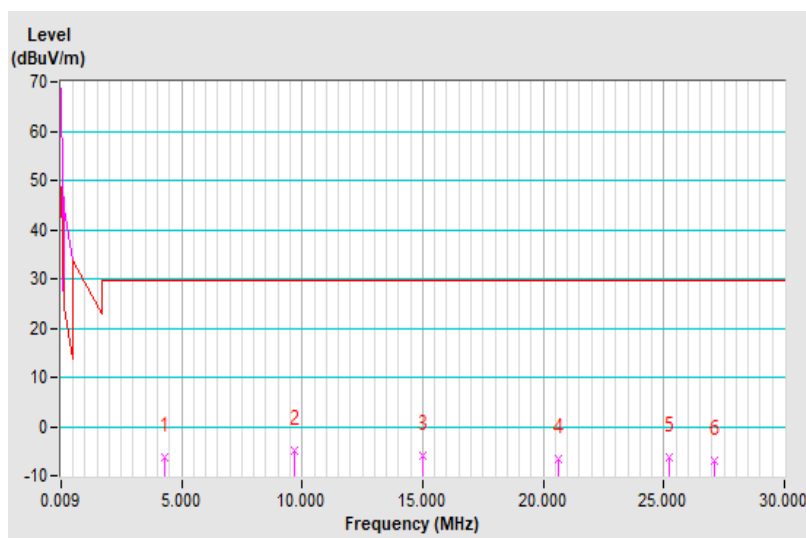


|                 |              |                               |                 |
|-----------------|--------------|-------------------------------|-----------------|
| Channel         | Ch6 + Ch1    | Detector Function & Bandwidth | Peak (PK), 9kHz |
| Frequency Range | 9kHz ~ 30MHz |                               |                 |

| Antenna Polarity : Ground-parallel |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                  | 4.30            | -6.2 PK                 | 29.5           | -35.7       | 1.00               | 209                  | 13.8             | -20.0                    |
| 2                                  | 9.67            | -5.0 PK                 | 29.5           | -34.5       | 1.00               | 350                  | 13.3             | -18.3                    |
| 3                                  | 15.00           | -5.8 PK                 | 29.5           | -35.3       | 1.00               | 326                  | 12.3             | -18.1                    |
| 4                                  | 20.64           | -6.5 PK                 | 29.5           | -36.0       | 1.00               | 198                  | 11.6             | -18.1                    |
| 5                                  | 25.23           | -6.4 PK                 | 29.5           | -35.9       | 1.00               | 215                  | 11.7             | -18.1                    |
| 6                                  | 27.12           | -6.8 PK                 | 29.5           | -36.3       | 1.00               | 68                   | 11.3             | -18.1                    |

**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) + Distance Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. The test distance for 0.49 ~ 30MHz is 3m, extrapolate the measured field strength to a distance of 30 meters, using the formula that the limit of field strength varies as the inverse distance square (40dB per decade of distance)



Below 1GHz data

Mode A

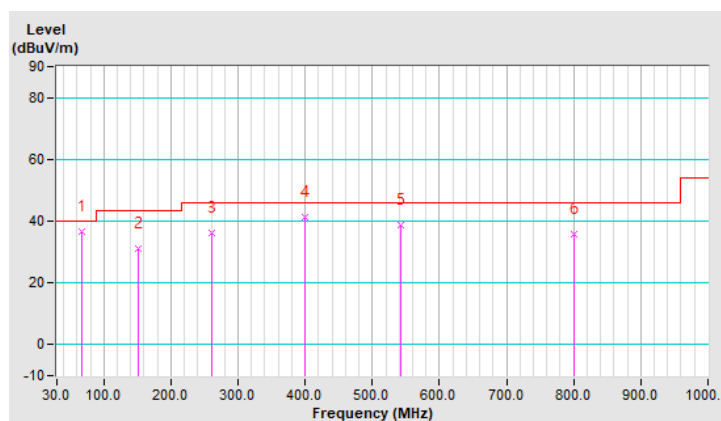
11n (HT20) + LTE Bang 26 (Part 22) + NFC

|                 |                      |                   |                 |
|-----------------|----------------------|-------------------|-----------------|
| Channel         | Ch6 + Ch 26797 + Ch1 | Detector Function | Quasi-Peak (QP) |
| Frequency Range | 30MHz ~ 1GHz         |                   |                 |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 67.83           | 36.5 QP                 | 40.0           | -3.5        | 2.49 H             | 185                  | 51.1             | -14.6                    |
| 2                                                    | 152.23          | 31.1 QP                 | 43.5           | -12.4       | 1.49 H             | 2                    | 43.3             | -12.2                    |
| 3                                                    | 259.91          | 36.1 QP                 | 46.0           | -9.9        | 1.00 H             | 9                    | 50.4             | -14.3                    |
| 4                                                    | 399.61          | 41.3 QP                 | 46.0           | -4.7        | 1.99 H             | 348                  | 50.7             | -9.4                     |
| 5                                                    | 542.21          | 38.6 QP                 | 46.0           | -7.4        | 1.49 H             | 2                    | 44.0             | -5.4                     |
| 6                                                    | 800.26          | 35.6 QP                 | 46.0           | -10.4       | 2.49 H             | 359                  | 35.2             | 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.

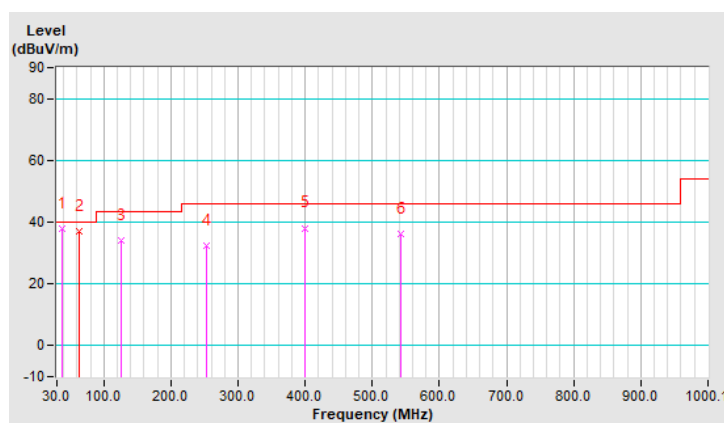


|                 |                      |                   |                 |
|-----------------|----------------------|-------------------|-----------------|
| Channel         | Ch6 + Ch 26797 + Ch1 | Detector Function | Quasi-Peak (QP) |
| Frequency Range | 30MHz ~ 1GHz         |                   |                 |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 37.76           | 37.7 QP                 | 40.0           | -2.3        | 1.51 V             | 129                  | 51.0             | -13.3                    |
| 2                                                  | 63.87           | 36.9 QP                 | 40.0           | -3.1        | 1.00 V             | 186                  | 50.6             | -13.7                    |
| 3                                                  | 125.07          | 34.1 QP                 | 43.5           | -9.4        | 1.01 V             | 202                  | 48.0             | -13.9                    |
| 4                                                  | 252.15          | 32.5 QP                 | 46.0           | -13.5       | 2.01 V             | 182                  | 46.9             | -14.4                    |
| 5                                                  | 399.61          | 38.1 QP                 | 46.0           | -7.9        | 1.01 V             | 249                  | 47.5             | -9.4                     |
| 6                                                  | 542.21          | 36.3 QP                 | 46.0           | -9.7        | 1.51 V             | 26                   | 41.7             | -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. 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.

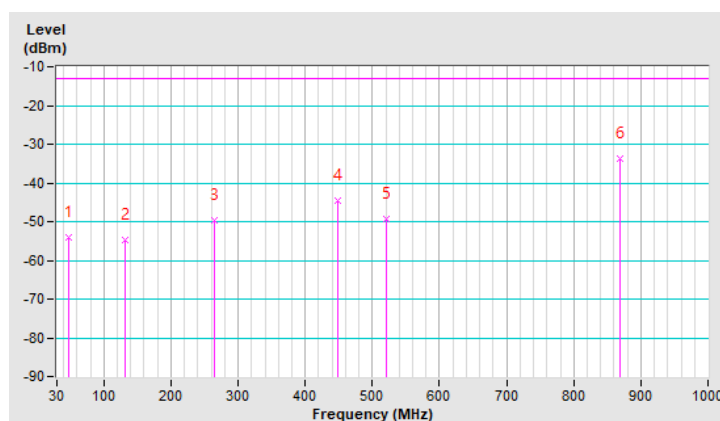


|         |                      |                 |              |
|---------|----------------------|-----------------|--------------|
| Channel | Ch6 + Ch 26797 + Ch1 | Frequency Range | 30MHz ~ 1GHz |
|---------|----------------------|-----------------|--------------|

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 48.43           | -54.08    | -13.00      | -41.08      | 2.00 H             | 97                   | 55.91            | -109.99                  |
| 2                                                    | 130.88          | -54.86    | -13.00      | -41.86      | 1.00 H             | 50                   | 55.80            | -110.66                  |
| 3                                                    | 264.74          | -49.64    | -13.00      | -36.64      | 1.50 H             | 109                  | 61.62            | -111.26                  |
| 4                                                    | 449.04          | -44.50    | -13.00      | -31.50      | 1.49 H             | 2                    | 60.31            | -104.81                  |
| 5                                                    | 520.82          | -49.43    | -13.00      | -36.43      | 1.50 H             | 2                    | 53.68            | -103.11                  |
| 6                                                    | 869.05          | -33.63    | -13.00      | -20.63      | 2.00 H             | 283                  | 62.53            | -96.16                   |

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

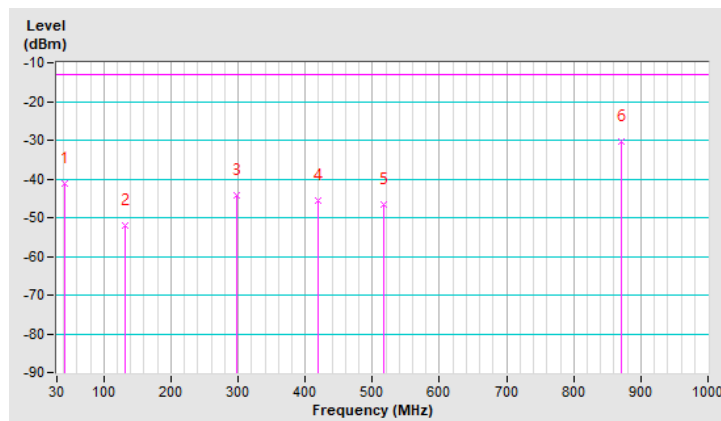


|         |                      |                 |              |
|---------|----------------------|-----------------|--------------|
| Channel | Ch6 + Ch 26797 + Ch1 | Frequency Range | 30MHz ~ 1GHz |
|---------|----------------------|-----------------|--------------|

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |           |             |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 42.61           | -41.26    | -13.00      | -28.26      | 2.00 V             | 95                   | 69.06            | -110.32                  |
| 2                                                  | 131.85          | -52.18    | -13.00      | -39.18      | 1.50 V             | 189                  | 58.48            | -110.66                  |
| 3                                                  | 298.69          | -44.32    | -13.00      | -31.32      | 1.50 V             | 124                  | 65.26            | -109.58                  |
| 4                                                  | 418.97          | -45.70    | -13.00      | -32.70      | 1.00 V             | 241                  | 60.38            | -106.08                  |
| 5                                                  | 516.94          | -46.50    | -13.00      | -33.50      | 1.00 V             | 214                  | 56.71            | -103.21                  |
| 6                                                  | 870.02          | -30.22    | -13.00      | -17.22      | 1.00 V             | 283                  | 65.91            | -96.13                   |

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



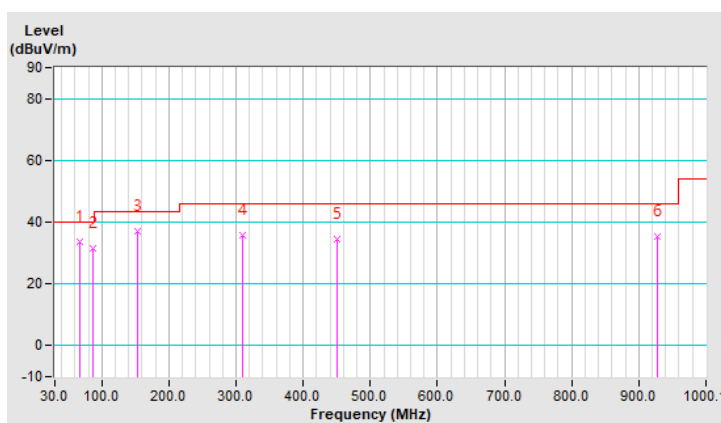
# 11n (HT20) + LTE Bang 2 + NFC

|                 |                       |                   |                 |
|-----------------|-----------------------|-------------------|-----------------|
| Channel         | Ch 6 + Ch 19185 + Ch1 | Detector Function | Quasi-Peak (QP) |
| Frequency Range | 30MHz ~ 1GHz          |                   |                 |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 66.86           | 33.8 QP                 | 40.0           | -6.2        | 2.49 H             | 14                   | 48.0             | -14.2                    |
| 2                                                    | 87.24           | 31.6 QP                 | 40.0           | -8.4        | 2.49 H             | 153                  | 49.9             | -18.3                    |
| 3                                                    | 154.17          | 36.9 QP                 | 43.5           | -6.6        | 1.00 H             | 168                  | 49.1             | -12.2                    |
| 4                                                    | 310.36          | 35.8 QP                 | 46.0           | -10.2       | 2.49 H             | 266                  | 47.3             | -11.5                    |
| 5                                                    | 450.05          | 34.4 QP                 | 46.0           | -11.6       | 2.49 H             | 18                   | 41.7             | -7.3                     |
| 6                                                    | 927.34          | 35.4 QP                 | 46.0           | -10.6       | 2.49 H             | 87                   | 33.1             | 2.3                      |

## 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.

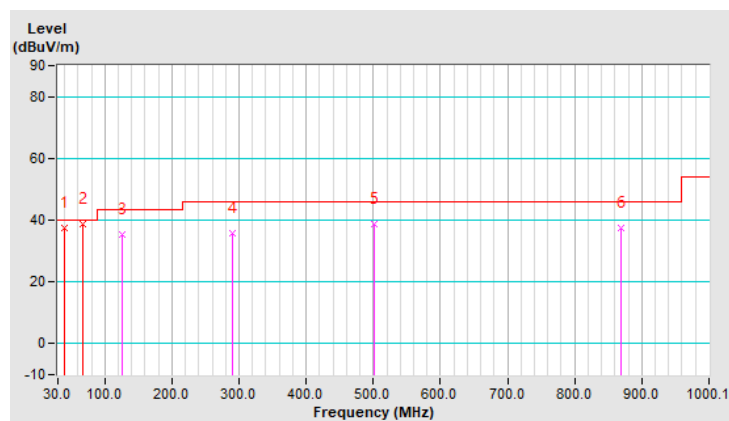


|                 |                       |                   |                 |
|-----------------|-----------------------|-------------------|-----------------|
| Channel         | Ch 6 + Ch 19185 + Ch1 | Detector Function | Quasi-Peak (QP) |
| Frequency Range | 30MHz ~ 1GHz          |                   |                 |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 39.70           | 37.3 QP                 | 40.0           | -2.7        | 1.00 V             | 101                  | 50.6             | -13.3                    |
| 2                                                  | 66.86           | 38.8 QP                 | 40.0           | -1.2        | 1.00 V             | 226                  | 53.0             | -14.2                    |
| 3                                                  | 125.07          | 35.2 QP                 | 43.5           | -8.3        | 1.00 V             | 236                  | 49.1             | -13.9                    |
| 4                                                  | 290.96          | 35.7 QP                 | 46.0           | -10.3       | 1.99 V             | 18                   | 48.2             | -12.5                    |
| 5                                                  | 501.47          | 38.7 QP                 | 46.0           | -7.3        | 1.00 V             | 26                   | 44.7             | -6.0                     |
| 6                                                  | 868.17          | 37.4 QP                 | 46.0           | -8.6        | 1.00 V             | 4                    | 36.1             | 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.

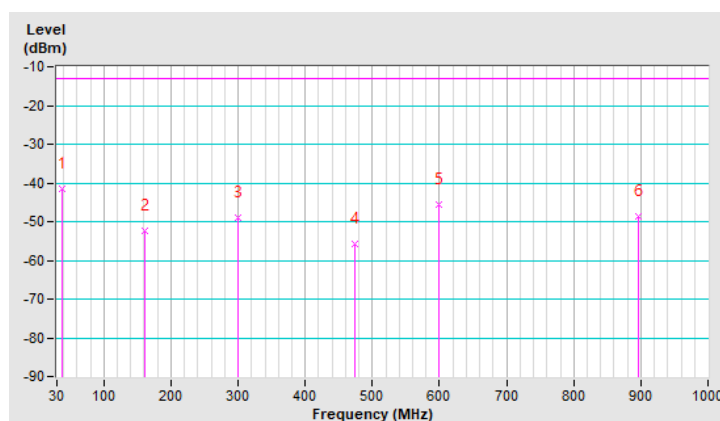


|         |                       |                 |              |
|---------|-----------------------|-----------------|--------------|
| Channel | Ch 6 + Ch 19185 + Ch1 | Frequency Range | 30MHz ~ 1GHz |
|---------|-----------------------|-----------------|--------------|

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 37.76           | -41.60     | -13.00      | -28.60      | 1.00 H             | 136                  | 66.97            | -108.57                  |
| 2                                                    | 161.92          | -52.23     | -13.00      | -39.23      | 2.00 H             | 83                   | 55.56            | -107.79                  |
| 3                                                    | 299.66          | -49.04     | -13.00      | -36.04      | 1.00 H             | 105                  | 58.35            | -107.39                  |
| 4                                                    | 474.26          | -55.60     | -13.00      | -42.60      | 1.50 H             | 15                   | 46.55            | -102.15                  |
| 5                                                    | 599.39          | -45.61     | -13.00      | -32.61      | 1.00 H             | 79                   | 53.20            | -98.81                   |
| 6                                                    | 896.21          | -48.66     | -13.00      | -35.66      | 2.00 H             | 254                  | 45.08            | -93.74                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

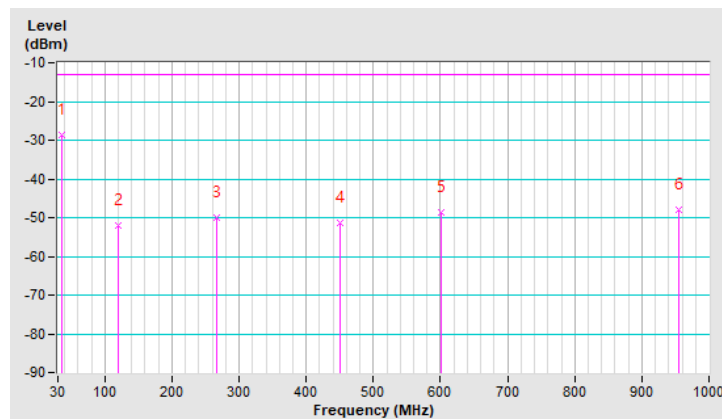


|         |                       |                 |              |
|---------|-----------------------|-----------------|--------------|
| Channel | Ch 6 + Ch 19185 + Ch1 | Frequency Range | 30MHz ~ 1GHz |
|---------|-----------------------|-----------------|--------------|

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |            |             |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 36.79           | -28.61     | -13.00      | -15.61      | 1.00 V             | 78                   | 80.20            | -108.81                  |
| 2                                                  | 119.24          | -52.14     | -13.00      | -39.14      | 1.50 V             | 120                  | 57.56            | -109.70                  |
| 3                                                  | 266.68          | -50.00     | -13.00      | -37.00      | 2.00 V             | 110                  | 58.97            | -108.97                  |
| 4                                                  | 450.01          | -51.26     | -13.00      | -38.26      | 1.00 V             | 105                  | 51.39            | -102.65                  |
| 5                                                  | 601.33          | -48.76     | -13.00      | -35.76      | 2.00 V             | 2                    | 50.01            | -98.77                   |
| 6                                                  | 954.41          | -47.97     | -13.00      | -34.97      | 2.00 V             | 2                    | 44.55            | -92.52                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



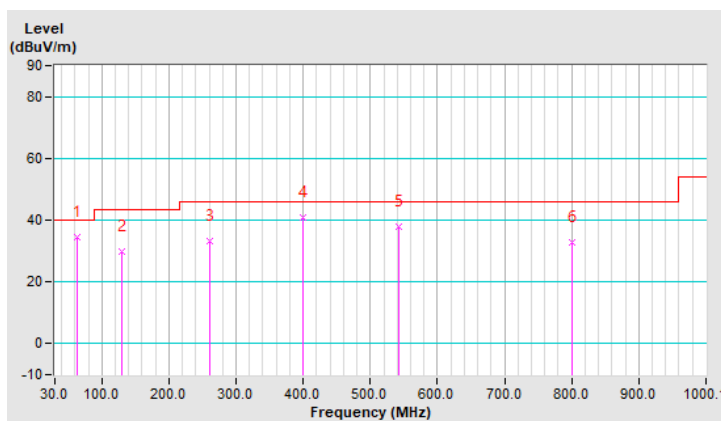
# 11n (HT20) + LTE Bang 4 + NFC

|                 |                      |                   |                 |
|-----------------|----------------------|-------------------|-----------------|
| Channel         | Ch6 + Ch 20050 + Ch1 | Detector Function | Quasi-Peak (QP) |
| Frequency Range | 30MHz ~ 1GHz         |                   |                 |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 63.95           | 34.6 QP                 | 40.0           | -5.4        | 2.00 H             | 196                  | 48.3             | -13.7                    |
| 2                                                    | 129.92          | 30.0 QP                 | 43.5           | -13.5       | 1.50 H             | 306                  | 43.4             | -13.4                    |
| 3                                                    | 260.88          | 33.3 QP                 | 46.0           | -12.7       | 1.00 H             | 16                   | 47.4             | -14.1                    |
| 4                                                    | 399.61          | 40.9 QP                 | 46.0           | -5.1        | 1.50 H             | 340                  | 50.3             | -9.4                     |
| 5                                                    | 542.21          | 37.9 QP                 | 46.0           | -8.1        | 1.00 H             | 18                   | 43.3             | -5.4                     |
| 6                                                    | 800.26          | 32.8 QP                 | 46.0           | -13.2       | 1.50 H             | 136                  | 32.4             | 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.

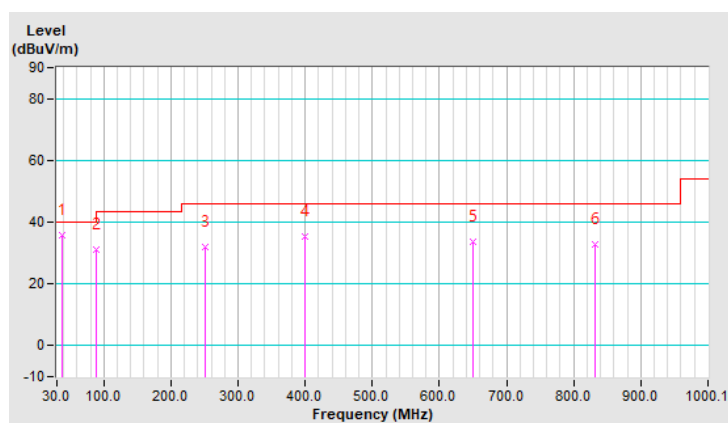


|                 |                      |                   |                 |
|-----------------|----------------------|-------------------|-----------------|
| Channel         | Ch6 + Ch 20050 + Ch1 | Detector Function | Quasi-Peak (QP) |
| Frequency Range | 30MHz ~ 1GHz         |                   |                 |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 37.76           | 35.7 QP                 | 40.0           | -4.3        | 1.00 V             | 177                  | 49.0             | -13.3                    |
| 2                                                  | 89.18           | 31.1 QP                 | 43.5           | -12.4       | 1.50 V             | 160                  | 49.4             | -18.3                    |
| 3                                                  | 250.21          | 31.8 QP                 | 46.0           | -14.2       | 2.00 V             | 189                  | 46.3             | -14.5                    |
| 4                                                  | 399.61          | 35.5 QP                 | 46.0           | -10.5       | 1.50 V             | 210                  | 44.9             | -9.4                     |
| 5                                                  | 649.89          | 33.6 QP                 | 46.0           | -12.4       | 1.00 V             | 356                  | 36.1             | -2.5                     |
| 6                                                  | 831.30          | 32.8 QP                 | 46.0           | -13.2       | 2.00 V             | 298                  | 31.8             | 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.

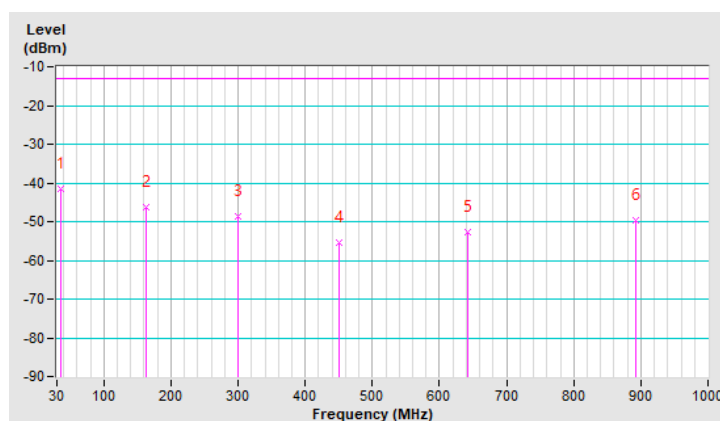


|         |                      |                 |              |
|---------|----------------------|-----------------|--------------|
| Channel | Ch6 + Ch 20050 + Ch1 | Frequency Range | 30MHz ~ 1GHz |
|---------|----------------------|-----------------|--------------|

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 36.79           | -41.42     | -13.00      | -28.42      | 1.00 H             | 154                  | 67.39            | -108.81                  |
| 2                                                    | 162.89          | -46.29     | -13.00      | -33.29      | 1.50 H             | 56                   | 61.50            | -107.79                  |
| 3                                                    | 299.66          | -48.55     | -13.00      | -35.55      | 1.00 H             | 111                  | 58.84            | -107.39                  |
| 4                                                    | 450.01          | -55.58     | -13.00      | -42.58      | 2.00 H             | 198                  | 47.07            | -102.65                  |
| 5                                                    | 642.07          | -52.60     | -13.00      | -39.60      | 1.50 H             | 2                    | 45.27            | -97.87                   |
| 6                                                    | 893.30          | -49.81     | -13.00      | -36.81      | 2.00 H             | 11                   | 43.90            | -93.71                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

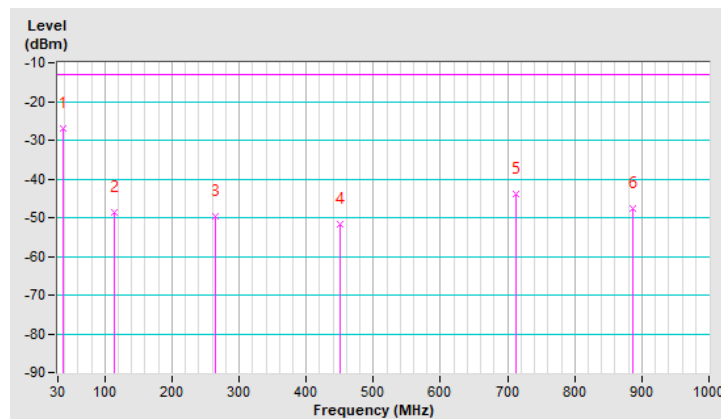


|         |                      |                 |              |
|---------|----------------------|-----------------|--------------|
| Channel | Ch6 + Ch 20050 + Ch1 | Frequency Range | 30MHz ~ 1GHz |
|---------|----------------------|-----------------|--------------|

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |            |             |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 37.76           | -27.09     | -13.00      | -14.09      | 1.00 V             | 74                   | 81.48            | -108.57                  |
| 2                                                  | 113.42          | -48.76     | -13.00      | -35.76      | 1.00 V             | 73                   | 61.37            | -110.13                  |
| 3                                                  | 263.77          | -49.67     | -13.00      | -36.67      | 2.00 V             | 12                   | 59.51            | -109.18                  |
| 4                                                  | 450.01          | -51.73     | -13.00      | -38.73      | 1.50 V             | 77                   | 50.92            | -102.65                  |
| 5                                                  | 711.91          | -43.88     | -13.00      | -30.88      | 1.50 V             | 236                  | 53.12            | -97.00                   |
| 6                                                  | 886.51          | -47.57     | -13.00      | -34.57      | 1.00 V             | 228                  | 46.17            | -93.74                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



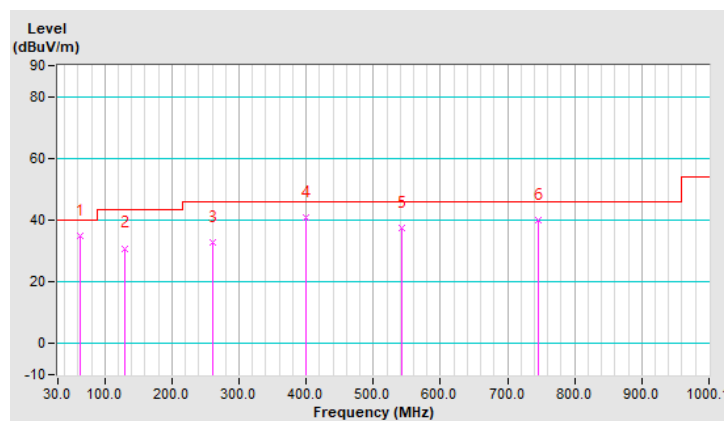
# 11n (HT20) + LTE Bang 26 (Part 90) + NFC

|                 |                      |                   |                 |
|-----------------|----------------------|-------------------|-----------------|
| Channel         | Ch6 + Ch 26697 + Ch1 | Detector Function | Quasi-Peak (QP) |
| Frequency Range | 30MHz ~ 1GHz         |                   |                 |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 63.95           | 34.8 QP                 | 40.0           | -5.2        | 2.00 H             | 192                  | 48.5             | -13.7                    |
| 2                                                    | 129.92          | 30.9 QP                 | 43.5           | -12.6       | 1.50 H             | 316                  | 44.3             | -13.4                    |
| 3                                                    | 260.88          | 32.7 QP                 | 46.0           | -13.3       | 1.00 H             | 7                    | 46.8             | -14.1                    |
| 4                                                    | 399.61          | 41.0 QP                 | 46.0           | -5.0        | 1.00 H             | 346                  | 50.4             | -9.4                     |
| 5                                                    | 542.21          | 37.3 QP                 | 46.0           | -8.7        | 1.50 H             | 20                   | 42.7             | -5.4                     |
| 6                                                    | 745.93          | 40.2 QP                 | 46.0           | -5.8        | 1.00 H             | 192                  | 40.8             | -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.

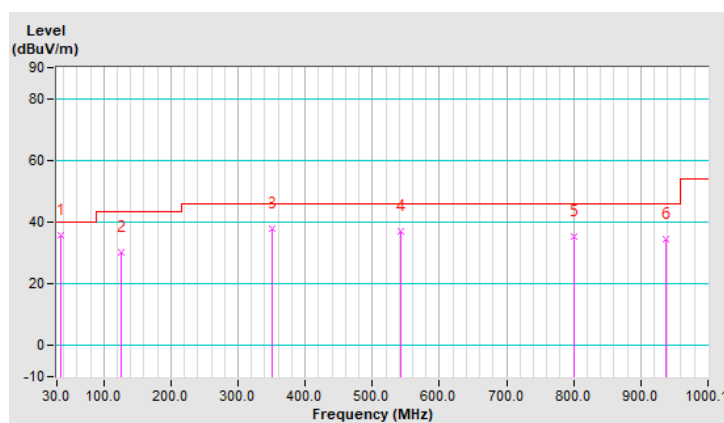


|                 |                      |                   |                 |
|-----------------|----------------------|-------------------|-----------------|
| Channel         | Ch6 + Ch 26697 + Ch1 | Detector Function | Quasi-Peak (QP) |
| Frequency Range | 30MHz ~ 1GHz         |                   |                 |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 36.79           | 35.8 QP                 | 40.0           | -4.2        | 1.00 V             | 194                  | 49.4             | -13.6                    |
| 2                                                  | 125.07          | 30.1 QP                 | 43.5           | -13.4       | 1.50 V             | 336                  | 44.0             | -13.9                    |
| 3                                                  | 350.13          | 37.7 QP                 | 46.0           | -8.3        | 2.00 V             | 297                  | 48.0             | -10.3                    |
| 4                                                  | 542.21          | 36.9 QP                 | 46.0           | -9.1        | 1.50 V             | 18                   | 42.3             | -5.4                     |
| 5                                                  | 800.26          | 35.3 QP                 | 46.0           | -10.7       | 1.00 V             | 341                  | 34.9             | 0.4                      |
| 6                                                  | 938.01          | 34.5 QP                 | 46.0           | -11.5       | 1.50 V             | 346                  | 32.2             | 2.3                      |

**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.

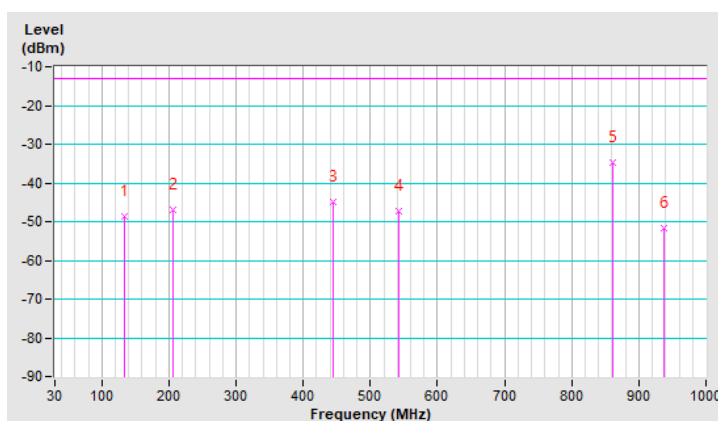


|         |                      |                 |              |
|---------|----------------------|-----------------|--------------|
| Channel | Ch6 + Ch 26697 + Ch1 | Frequency Range | 30MHz ~ 1GHz |
|---------|----------------------|-----------------|--------------|

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 133.79          | -48.48    | -13.00      | -35.48      | 1.00 H             | 97                   | 61.88            | -110.36                  |
| 2                                                    | 205.57          | -47.10    | -13.00      | -34.10      | 1.50 H             | 33                   | 66.50            | -113.60                  |
| 3                                                    | 444.19          | -44.96    | -13.00      | -31.96      | 2.00 H             | 2                    | 59.89            | -104.85                  |
| 4                                                    | 542.16          | -47.38    | -13.00      | -34.38      | 1.00 H             | 2                    | 55.33            | -102.71                  |
| 5                                                    | 860.32          | -34.76    | -13.00      | -21.76      | 1.50 H             | 287                  | 61.49            | -96.25                   |
| 6                                                    | 937.92          | -51.80    | -13.00      | -38.80      | 1.50 H             | 48                   | 43.22            | -95.02                   |

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

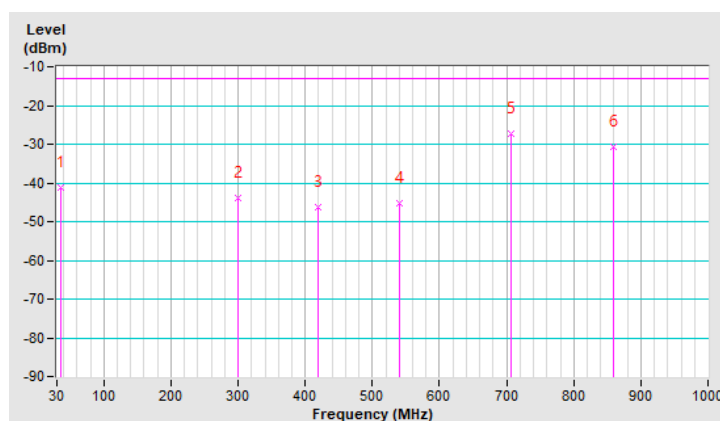


|         |                      |                 |              |
|---------|----------------------|-----------------|--------------|
| Channel | Ch6 + Ch 26697 + Ch1 | Frequency Range | 30MHz ~ 1GHz |
|---------|----------------------|-----------------|--------------|

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |           |             |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 36.79           | -41.24    | -13.00      | -28.24      | 1.00 V             | 321                  | 69.72            | -110.96                  |
| 2                                                  | 300.63          | -44.06    | -13.00      | -31.06      | 1.50 V             | 108                  | 65.43            | -109.49                  |
| 3                                                  | 418.97          | -46.35    | -13.00      | -33.35      | 1.00 V             | 244                  | 59.73            | -106.08                  |
| 4                                                  | 541.19          | -45.33    | -13.00      | -32.33      | 2.00 V             | 213                  | 57.40            | -102.73                  |
| 5                                                  | 707.06          | -27.17    | -13.00      | -14.17      | 1.00 V             | 38                   | 72.06            | -99.23                   |
| 6                                                  | 859.35          | -30.59    | -13.00      | -17.59      | 1.50 V             | 344                  | 65.67            | -96.26                   |

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



## Mode B

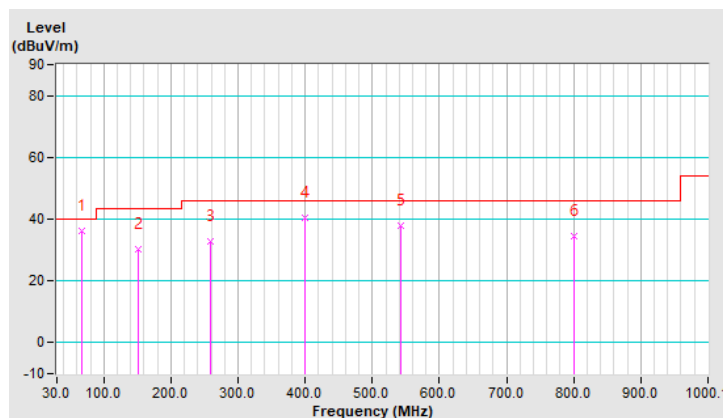
### 11n (HT20) + NFC

|                 |              |                   |                 |
|-----------------|--------------|-------------------|-----------------|
| Channel         | Ch6 + Ch1    | Detector Function | Quasi-Peak (QP) |
| Frequency Range | 30MHz ~ 1GHz |                   |                 |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 67.83           | 36.0 QP                 | 40.0           | -4.0        | 2.00 H             | 223                  | 50.6             | -14.6                    |
| 2                                                    | 151.26          | 30.2 QP                 | 43.5           | -13.3       | 1.50 H             | 360                  | 42.4             | -12.2                    |
| 3                                                    | 258.94          | 32.8 QP                 | 46.0           | -13.2       | 1.00 H             | 360                  | 47.1             | -14.3                    |
| 4                                                    | 399.61          | 40.6 QP                 | 46.0           | -5.4        | 1.50 H             | 354                  | 50.0             | -9.4                     |
| 5                                                    | 542.21          | 37.8 QP                 | 46.0           | -8.2        | 1.00 H             | 21                   | 43.2             | -5.4                     |
| 6                                                    | 800.26          | 34.5 QP                 | 46.0           | -11.5       | 2.00 H             | 105                  | 34.1             | 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.

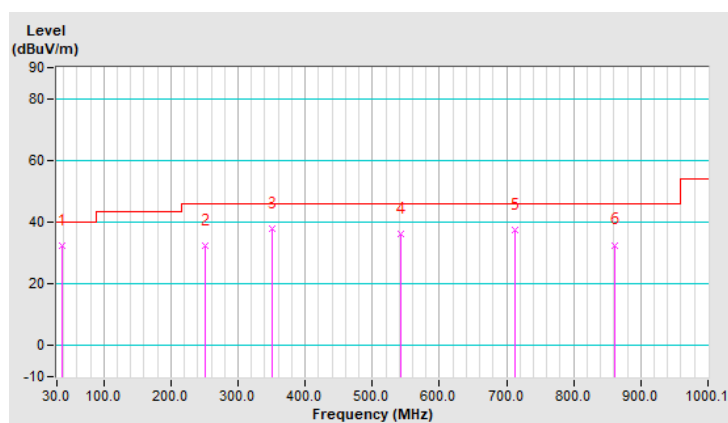


|                 |              |                   |                 |
|-----------------|--------------|-------------------|-----------------|
| Channel         | Ch6 + Ch1    | Detector Function | Quasi-Peak (QP) |
| Frequency Range | 30MHz ~ 1GHz |                   |                 |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 37.76           | 32.3 QP                 | 40.0           | -7.7        | 1.00 V             | 176                  | 45.6             | -13.3                    |
| 2                                                  | 251.18          | 32.2 QP                 | 46.0           | -13.8       | 2.00 V             | 176                  | 46.6             | -14.4                    |
| 3                                                  | 350.13          | 37.7 QP                 | 46.0           | -8.3        | 2.00 V             | 286                  | 48.0             | -10.3                    |
| 4                                                  | 542.21          | 36.0 QP                 | 46.0           | -10.0       | 1.50 V             | 18                   | 41.4             | -5.4                     |
| 5                                                  | 711.98          | 37.3 QP                 | 46.0           | -8.7        | 1.00 V             | 330                  | 39.1             | -1.8                     |
| 6                                                  | 861.38          | 32.6 QP                 | 46.0           | -13.4       | 1.50 V             | 109                  | 31.4             | 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.



## 5 Pictures of Test Arrangements

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

## 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 FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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

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