



# RF TEST REPORT

**Report No.:** SET2021-09175

**Product Name:** Dash Cam

**FCC ID:** NCI-M360-D700-1

**Model No. :** Mobile360 D700

**Dates of Testing:** 08/01/2020 —06/22/2021

**Applicant:** VIA Technologies, Inc

**Address:** 8F, 535 Zhongzheng Rd. Xindian Dist. New Taipei City,  
Taiwan

**Issued by:** CCIC Southern Testing Co., Ltd.

**Lab Location:** Electronic Testing Building, No. 43 Shahe Road, Xili Street,  
Nanshan District, Shenzhen, Guangdong, China.

**Tel:** 86 755 26627338 **Fax:** 86 755 26627238

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## Test Report

**Product Name** ..... : Dash Cam

**Brand Name** ..... : VIA

**Trade Name** ..... : VIA

**Applicant** ..... : VIA Technologies, Inc

**Applicant Address** ..... : 8F, 535 Zhongzheng Rd. Xindian Dist. New Taipei City,  
Taiwan.

**Manufacturer** ..... : VIA Technologies, Inc

**Manufacturer Address** ..... : 8F, 535 Zhongzheng Rd. Xindian Dist. New Taipei City,  
Taiwan.

**Test Standards** ..... : 47 CFR Part 15 Subpart E 15.407

**Test Result** ..... : PASS

**Tested by** ..... :

*Vincent*

2021.07.19

Vincent, Test Engineer

**Reviewed by** ..... :

*Chris You*

2021.07.19

Chris You, Senior Engineer

**Approved by** ..... :

*Shuangwen Zhang*

2021.07.19

Shuangwen Zhang, Manager

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| Change History |            |                   |
|----------------|------------|-------------------|
| Issue          | Date       | Reason for change |
| 1.0            | 2021.07.19 | First edition     |
|                |            |                   |
|                |            |                   |

## 1. General Information

### 1.1. EUT Description

|                                 |                                                                                                             |
|---------------------------------|-------------------------------------------------------------------------------------------------------------|
| EUT Type                        | Dash Cam                                                                                                    |
| EUT supports Radios application | WLAN5.0GHz 802.11a/n (HT20/40)/ac(VHT20/40/80)                                                              |
| Product Type                    | vehicle-mounted                                                                                             |
| Modulation Type                 | CCK, DQPSK, DBPSK for DSSS<br>256QAM, 64QAM,16QAM, QPSK, BPSK for OFDM<br>256QAM for OFDM in 11ac mode only |
| Transfer Rate                   | 802.11a: 54/48/36/24/18/12/9/6 Mbps<br>802.11n : up to 150 Mbps<br>802.11ac: up to 433.3Mbps                |
| Frequency Range                 | Band UNII-1: 5150 ~ 5250MHz<br>Band UNII-3: 5725 ~ 5850MHz                                                  |
| Channel Bandwidth               | 802.11a: 20MHz, 802.11n: 20MHz/40MHz<br>802.11ac: 20MHz/40MHz/80MHz                                         |
| Antenna Type                    | Internal                                                                                                    |
| Antenna Gain                    | 2.5dBi                                                                                                      |
| Output Power (Max.)             | Band UNII-1: 12.69dBm<br>Band UNII-3: 12.64dBm                                                              |

## 1.2. Test Standards and Results

The objective of the report is to perform testing according to below standards for the EUT FCC ID Certification:

This C2PC Report was based on original FCC ID: NCI-M360-D700-1, The device was change the ANT, and open LTE Band 71 via the software. Below are the test items

| No. | FCC Rule         | IC Rule         | Description                               | Result |
|-----|------------------|-----------------|-------------------------------------------|--------|
| 1   | 15.209 15.407(b) | RSS-247,<br>6.2 | Radiated Band Edges and Spurious Emission | PASS   |

### 1.3. Channel List

#### Operated band in 5150 MHz ~ 5250MHz

4 channels are provided for 802.11a, 802.11n-HT20, and 802.11ac-VHT20

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

2 channels are provided for 802.11n-HT40 and 802.11ac-VHT40

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

1 channel are provided for 802.11ac-VHT80

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

#### Operated band in 5725 MHz ~ 5850MHz

5 channels are provided for 802.11a

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

2 channels are provided for 802.11n-HT40 and 802.11ac-VHT40

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

1 channel are provided for 802.11ac-VHT80

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

#### 1.4. Test environment and mode

| Operating Environment          |                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| Temperature                    | 24°C                                                                                                      |
| Humidity                       | 57 % RH                                                                                                   |
| Atmospheric Pressure           | 1010 mbar                                                                                                 |
| Test mode:                     |                                                                                                           |
| Continuously transmitting mode | Keeps the EUT in 100% duty cycle transmitting with modulation in SISO, duty cycle factor is not required. |

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

| For Frequency band 5150 ~ 5250 MHz |                               |          |          |
|------------------------------------|-------------------------------|----------|----------|
| Mode                               | Modulation scheme / bandwidth |          |          |
|                                    | 5180 MHz                      | 5220 MHz | 5240 MHz |
| 802.11a                            | 6 Mbps                        | 6 Mbps   | 6 Mbps   |
| 802.11n/ac – HT20                  | MCS 0                         | MCS 0    | MCS 0    |
| Frequency                          | 5190 MHz                      |          | 5230 MHz |
| 802.11n/ac – HT40                  | MCS 0                         |          | MCS 0    |
| Frequency                          | 5210 MHz                      |          |          |
| 802.11ac – VHT80                   | MCS 0                         |          |          |
| For Frequency band 5725 ~ 5850 MHz |                               |          |          |
| Mode                               | Modulation scheme / bandwidth |          |          |
|                                    | 5745 MHz                      | 5785 MHz | 5825 MHz |
| 802.11a                            | 6 Mbps                        | 6 Mbps   | 6 Mbps   |
| 802.11n/ac – HT20                  | MCS 0                         | MCS 0    | MCS 0    |
| Frequency                          | 5755 MHz                      |          | 5795 MHz |
| 802.11n/ac – HT40                  | MCS 0                         |          | MCS 0    |
| Frequency                          | 5775 MHz                      |          |          |
| 802.11ac – VHT80                   | MCS 0                         |          |          |

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation modes or test configuration modes mentioned above was evaluated respectively.

| Pretest Test Mode | Description                                 |
|-------------------|---------------------------------------------|
| Mode 1            | TX A Mode / CH36, CH44, CH48 (UNII-1)       |
| Mode 2            | TX N20 Mode / CH36, CH44, CH48 (UNII-1)     |
| Mode 3            | TX N40 Mode / CH38, CH46 (UNII-1)           |
| Mode 4            | TX AC20 Mode / CH36, CH44, CH48 (UNII-1)    |
| Mode 5            | TX AC40 Mode / CH38, CH46 (UNII-1)          |
| Mode 6            | TX AC80 Mode / CH42 (UNII-1)                |
| Mode 7            | TX A Mode / CH149, CH157, CH165 (UNII-3)    |
| Mode 8            | TX N20 Mode / CH149, CH157, CH165 (UNII-3)  |
| Mode 9            | TX N40 Mode / CH151, CH159 (UNII-3)         |
| Mode 10           | TX AC20 Mode / CH149, CH157, CH165 (UNII-3) |
| Mode 11           | TX AC40 Mode / CH151, CH159 (UNII-3)        |
| Mode 12           | TX AC80 Mode / CH155 (UNII-3)               |
| Mode 13           | TX Mode                                     |

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

| For Conducted Test |                                             |
|--------------------|---------------------------------------------|
| Final Test Mode    | Description                                 |
| Mode 13            | TX Mode                                     |
| For Radiated Test  |                                             |
| Final Test Mode    | Description                                 |
| Mode 1             | TX A Mode / CH36, CH44, CH48 (UNII-1)       |
| Mode 2             | TX AC20 Mode / CH36, CH44, CH48 (UNII-1)    |
| Mode 3             | TX AC40 Mode / CH38, CH46 (UNII-1)          |
| Mode 4             | TX AC80 Mode / CH42 (UNII-1)                |
| Mode 5             | TX A Mode / CH149, CH157, CH165 (UNII-3)    |
| Mode 6             | TX AC20 Mode / CH149, CH157, CH165 (UNII-3) |
| Mode 7             | TX AC40 Mode / CH151, CH159 (UNII-3)        |
| Mode 8             | TX AC80 Mode / CH155 (UNII-3)               |

## 1.5. Power level setup in software

| Power level setup in software for 5G wifi |      |      |      |
|-------------------------------------------|------|------|------|
| UNII-1                                    |      |      |      |
| Frequency (MHz)                           | 5180 | 5220 | 5240 |
| A mode                                    | 17   | 17   | 17   |
| Frequency (MHz)                           | 5180 | 5220 | 5240 |
| N20 mode                                  | 17   | 17   | 17   |
| Frequency (MHz)                           | 5190 | 5230 | \    |
| N40 mode                                  | 17   | 17   | \    |
| Frequency (MHz)                           | 5180 | 5220 | 5240 |
| AC20 mode                                 | 17   | 17   | 17   |
| Frequency (MHz)                           | 5190 | 5230 | \    |
| AC40 mode                                 | 17   | 17   | \    |
| Frequency (MHz)                           | 5210 | \    | \    |
| AC80 mode                                 | 17   | \    | \    |
| Power level setup in software for 5G wifi |      |      |      |
| UNII-3                                    |      |      |      |
| Frequency (MHz)                           | 5745 | 5785 | 5825 |
| A mode                                    | 15   | 15   | 15   |
| Frequency (MHz)                           | 5745 | 5785 | 5825 |
| N20 mode                                  | 15   | 15   | 15   |
| Frequency (MHz)                           | 5755 | 5795 | \    |
| N40 mode                                  | 15   | 15   | \    |
| Frequency (MHz)                           | 5745 | 5785 | 5825 |
| AC20 mode                                 | 15   | 15   | 15   |
| Frequency (MHz)                           | 5755 | 5795 | \    |
| AC40 mode                                 | 15   | 15   | \    |
| Frequency (MHz)                           | 5775 | \    | \    |
| AC80 mode                                 | 15   | \    | \    |

## 1.6. Laboratory Facilities

### **CNAS-Lab Code: L1659**

CCIC-SET is a third party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

### **FCC-Registration No.: CN1283**

CCIC Southern Testing Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until April 19th, 2023.

### **ISED Registration: 11185A-1**

### **CAB identifier: CN0064**

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A-1 on Aug. 04, 2016, valid time is until April 19th, 2023.

### **A2LA Code: 5721.01**

CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

## 2. Test Requirements

### 2.1. Radiated Band Edge and Spurious Emission

#### 2.1.1. Limit of Radiated Band Edges and Spurious Emission

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

| Frequency (MHz) | Field Strength ( $\mu\text{V/m}$ ) | Measurement Distance (m) |
|-----------------|------------------------------------|--------------------------|
| 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 (dB $\mu\text{V/m}$ ) = 20 log Emission level ( $\mu\text{V/m}$ ).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

| Applicable To                                            | Limit                      |                             |
|----------------------------------------------------------|----------------------------|-----------------------------|
| 789033 D02 General UNII Test Procedures New Rules V02r01 | Field Strength at 3m       |                             |
|                                                          | PK:74(dB $\mu\text{V/m}$ ) | AV:54 (dB $\mu\text{V/m}$ ) |

| Frequency Band (MHz) | Frequency (MHz)               | EIRP Limit (dBm) | Equivalent Field Strength (3m) (dB $\mu\text{V/m}$ ) |
|----------------------|-------------------------------|------------------|------------------------------------------------------|
| 5150 - 5250          | Outside of the 5.15~5.35 GHz  | -27              | 68.2                                                 |
| 5250 - 5350          | Outside of the 5.15~5.35 GHz  |                  |                                                      |
| 5470 -5725           | Outside of the 5.47~5.725 GHz |                  |                                                      |

| FCC 15.407           |                 |                  |                                         |
|----------------------|-----------------|------------------|-----------------------------------------|
| Frequency Band (MHz) | Frequency (MHz) | EIRP Limit (dBm) | Equivalent Field Strength (3m) (dBμV/m) |
| 5725 - 5850          | <5650           | -27              | 68.2                                    |
|                      | 5650~5700       | -27~10           | 68.2~105.2                              |
|                      | 5700~5720       | 10~15.6          | 105.2~110.8                             |
|                      | 5720~5725       | 15.6~27          | 110.8~122.2                             |
|                      | 5850~5855       | 27~15.6          | 122.2~110.8                             |
|                      | 5855~5875       | 15.6~10          | 110.8~105.2                             |
|                      | 5875~5925       | 10~-27           | 105.2~68.2                              |
|                      | >5925           | -27              | 68.2                                    |

Note: 1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

For IC Rules:

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and

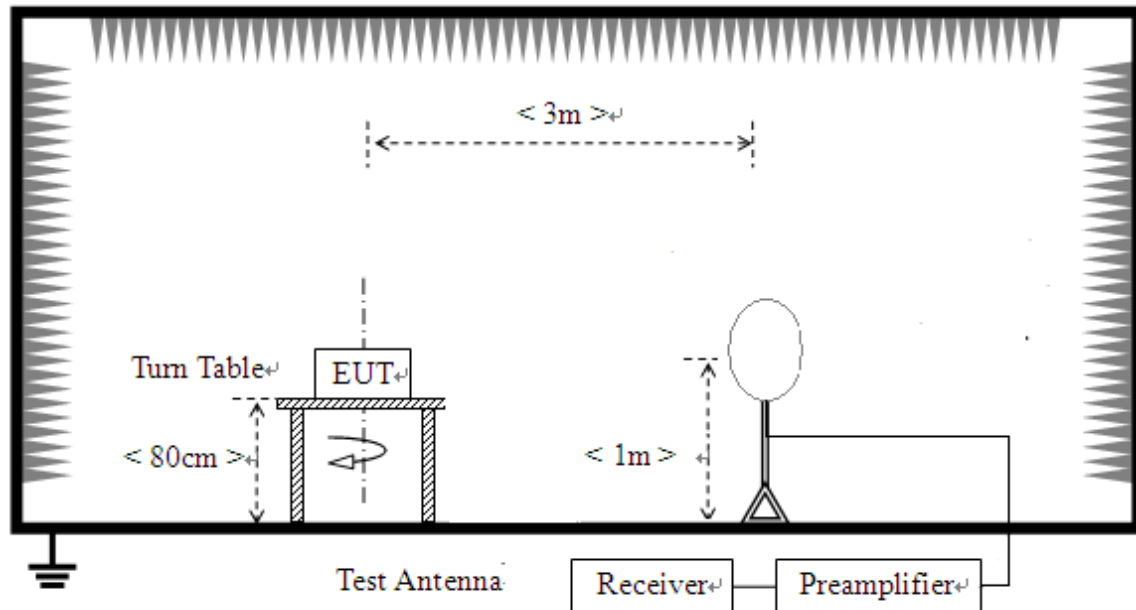
d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

### 2.1.2. Measuring Instruments

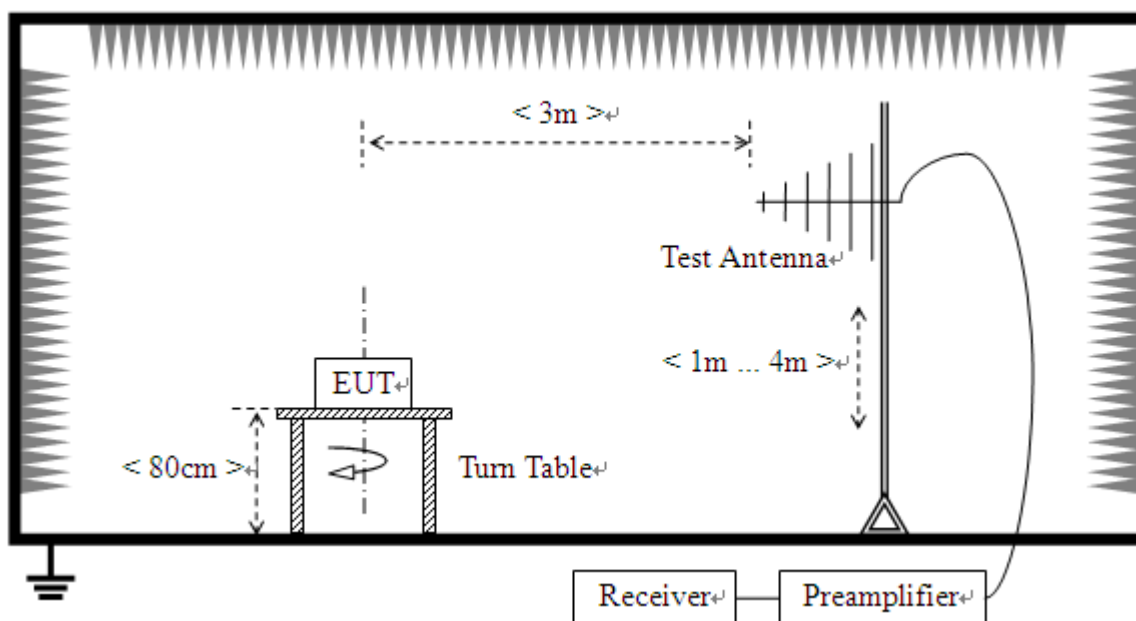
The measuring equipment is listed in the section 3 of this test report.

### 2.1.3. Test Setup

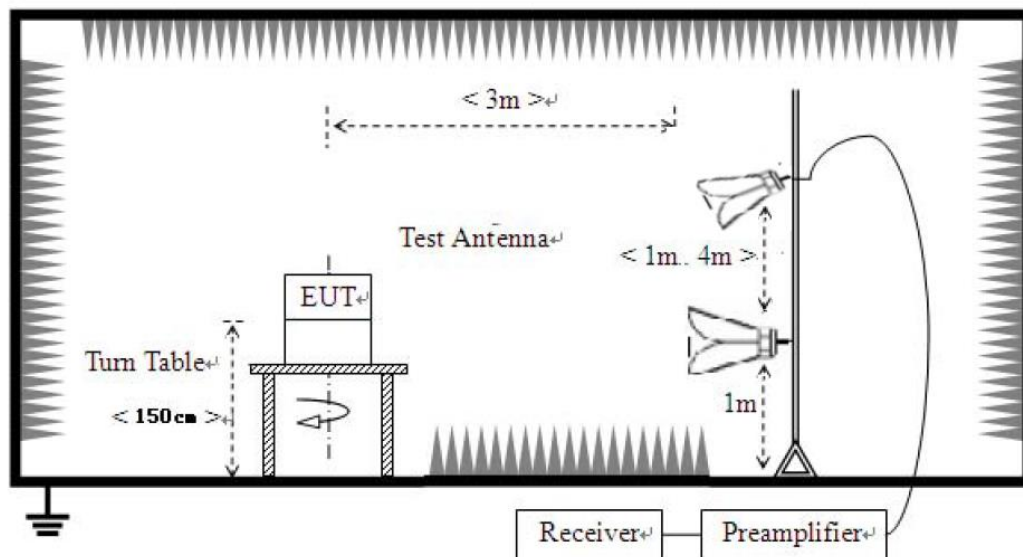
**For radiated emissions from 9 KHz to 30 MHz**



**For radiated emissions from 30MHz to 1GHz**



### For radiated emissions above 1GHz



#### 2.1.4. Test Procedures

1. The EUT was placed on the top of a rotating table 0.8 meters (for below 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 detects 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) 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 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor ( $10 \log(1/\text{duty cycle})$ ).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

The worst mode as below:

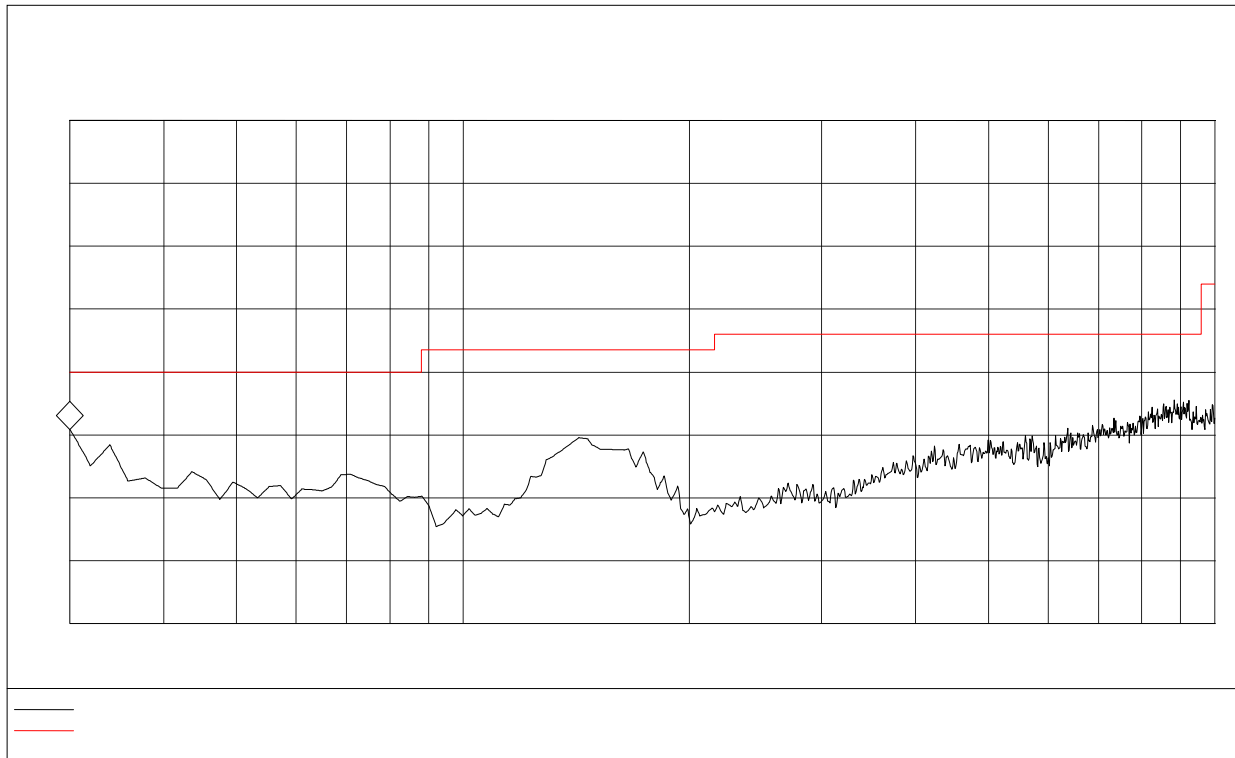
11a CH36 TX for below 1GHz

### 2.1.5. Test Results of Radiated Band Edge and Spurious Emission

#### For 9 KHz to 30MHz

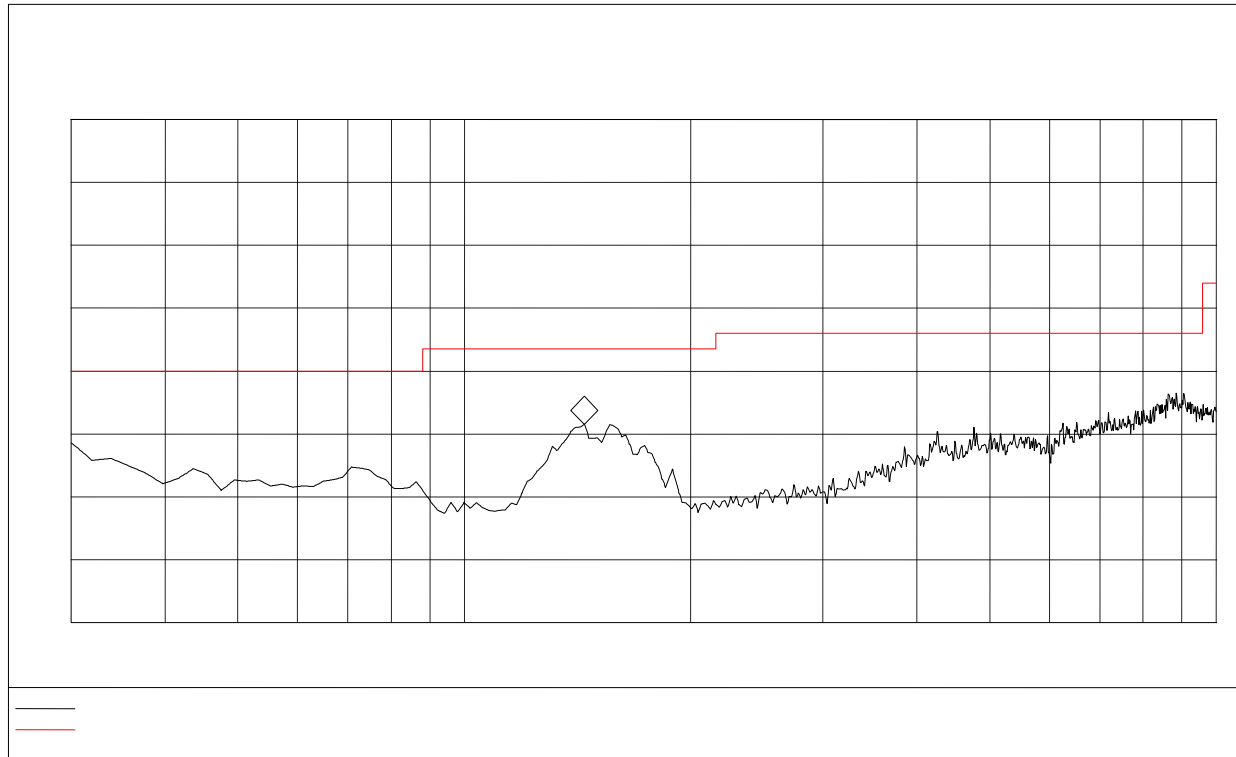
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

#### For 30MHz to 1000 MHz



30MHz to 1GHz, Antenna Horizontal

| Frequency (MHz) | QuasiPeak (dB $\mu$ V/m) | Bandwidth (kHz) | Corr. Factor (dB/m) | Antenna height (cm) | Limit (dB $\mu$ V/m) | Margin | Antenna    | Verdict |
|-----------------|--------------------------|-----------------|---------------------|---------------------|----------------------|--------|------------|---------|
| 30.000000       | 27.79                    | 120.000         | 17.9                | 100.0               | 40.0                 | 12.21  | Horizontal | Pass    |
| 153.440000      | 28.25                    | 120.000         | 12.3                | 100.0               | 43.5                 | 15.25  | Horizontal | Pass    |
| 165.220000      | 25.25                    | 120.000         | 11.8                | 100.0               | 43.5                 | 18.25  | Horizontal | Pass    |
| 852.340000      | 36.00                    | 120.000         | 23.9                | 100.0               | 46.0                 | 10     | Horizontal | Pass    |
| 879.930000      | 36.44                    | 120.000         | 24.8                | 100.0               | 46.0                 | 9.56   | Horizontal | Pass    |
| 911.450000      | 36.38                    | 120.000         | 24.8                | 100.0               | 46.0                 | 9.62   | Horizontal | Pass    |



30MHz to 1GHz, Antenna Vertical

| Frequency<br>(MHz) | QuasiPeak<br>(dB $\mu$ V/m) | Bandwidth<br>(kHz) | Corr.<br>Factor<br>(dB $\mu$ V/m) | Antenna<br>height<br>(cm) | Limit<br>(dB $\mu$ V/m) | Margin | Antenna  | Verdict |
|--------------------|-----------------------------|--------------------|-----------------------------------|---------------------------|-------------------------|--------|----------|---------|
| 30.000000          | 25.62                       | 120.000            | 17.9                              | 100.0                     | 40.0                    | 14.38  | Vertical | Pass    |
| 144.250000         | 28.76                       | 120.000            | 12.9                              | 100.0                     | 43.5                    | 14.74  | Vertical | Pass    |
| 161.660000         | 28.35                       | 120.000            | 11.2                              | 100.0                     | 43.5                    | 15.15  | Vertical | Pass    |
| 872.280000         | 36.42                       | 120.000            | 24.8                              | 100.0                     | 46.0                    | 9.58   | Vertical | Pass    |
| 884.680000         | 36.65                       | 120.000            | 24.8                              | 100.0                     | 46.0                    | 9.35   | Vertical | Pass    |
| 900.550000         | 36.78                       | 120.000            | 24.8                              | 100.0                     | 46.0                    | 9.22   | Vertical | Pass    |

### For 1GHz to 40 GHz

#### ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11a\_5180MHz)

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5150.00         | 52.65                  | PK | 68.20          | -15.55      | 1.60               | 320                  | 45.15              | 7.50                     |
| 2   | 5150.00         | 42.53                  | AV | 54.00          | -11.47      | 1.60               | 320                  | 35.03              | 7.50                     |
| 3   | 10360.00        | 54.65                  | PK | 68.20          | -13.55      | 1.60               | 320                  | 34.85              | 19.80                    |

#### ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11a\_5180MHz)

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5150.00         | 51.87                  | PK | 68.20          | -16.33      | 1.50               | 250                  | 44.37              | 7.50                     |
| 2   | 5150.00         | 41.13                  | AV | 54.00          | -12.87      | 1.50               | 250                  | 33.63              | 7.50                     |
| 3   | 10360.00        | 53.62                  | PK | 68.20          | -14.58      | 1.50               | 250                  | 33.82              | 19.80                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11a\_5220MHz)**

| No. | Frequency<br>(MHz) | Emission<br>Level<br>(dBuV/m) |    | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(m) | Table<br>Angle<br>(Degree) | Raw<br>Value<br>(dBuV/m) | Correction<br>Factor<br>(dB/m) |
|-----|--------------------|-------------------------------|----|-------------------|----------------|--------------------------|----------------------------|--------------------------|--------------------------------|
| 1   | 10400.00           | 57.74                         | PK | 68.20             | -10.46         | 1.60                     | 320                        | 37.84                    | 19.90                          |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11a\_5220MHz)**

| No. | Frequency<br>(MHz) | Emission<br>Level<br>(dBuV/m) |    | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(m) | Table<br>Angle<br>(Degree) | Raw<br>Value<br>(dBuV/m) | Correction<br>Factor<br>(dB/m) |
|-----|--------------------|-------------------------------|----|-------------------|----------------|--------------------------|----------------------------|--------------------------|--------------------------------|
| 1   | 10400.00           | 55.98                         | PK | 68.20             | -12.22         | 1.50                     | 250                        | 36.08                    | 19.90                          |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11a\_5240MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5350.00         | 56.98                   | PK | 68.20          | -11.22      | 1.60               | 320                  | 48.98              | 8.00                     |
| 2   | 5350.00         | 46.41                   | AV | 54.00          | -7.59       | 1.60               | 320                  | 38.41              | 8.00                     |
| 3   | 10480.00        | 55.64                   | PK | 68.20          | -12.56      | 1.60               | 320                  | 35.74              | 19.90                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11a\_5240MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5350.00         | 55.74                   | PK | 68.20          | -12.46      | 1.50               | 250                  | 47.74              | 8.00                     |
| 2   | 5350.00         | 45.46                   | AV | 54.00          | -8.54       | 1.50               | 250                  | 37.46              | 8.00                     |
| 3   | 10480.00        | 52.98                   | PK | 68.20          | -15.22      | 1.50               | 250                  | 33.08              | 19.90                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11a\_5745MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5725.00         | 53.62                   | PK | 68.20          | -14.58      | 1.60               | 220                  | 43.97              | 9.65                     |
| 2   | 11490.00        | 54.87                   | PK | 68.20          | -13.33      | 1.60               | 220                  | 33.17              | 21.70                    |
| 3   | 11490.00        | 44.20                   | AV | 54.00          | -9.8        | 1.60               | 220                  | 22.50              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11a\_5745MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5725.00         | 55.84                   | PK | 68.20          | -12.36      | 1.80               | 320                  | 46.19              | 9.65                     |
| 2   | 11490.00        | 55.74                   | PK | 68.20          | -12.46      | 1.80               | 320                  | 34.04              | 21.70                    |
| 3   | 11490.00        | 45.00                   | AV | 54.00          | -9          | 1.80               | 320                  | 23.30              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11a\_5785MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 11570.00        | 56.18                   | PK | 68.20          | -12.02      | 1.60               | 220                  | 34.48              | 21.70                    |
| 2   | 11570.00        | 45.83                   | AV | 54.00          | -8.17       | 1.60               | 220                  | 24.13              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11a\_5785MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 11570.00        | 55.84                   | PK | 68.20          | -12.36      | 1.80               | 320                  | 34.14              | 21.70                    |
| 2   | 11570.00        | 45.46                   | AV | 54.00          | -8.54       | 1.80               | 320                  | 23.76              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11a\_5825MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5850.00         | 54.26                   | PK | 68.20          | -13.94      | 1.80               | 300                  | 44.48              | 9.78                     |
| 2   | 11650.00        | 54.18                   | PK | 68.20          | -14.02      | 1.80               | 300                  | 32.28              | 21.90                    |
| 3   | 11650.00        | 49.36                   | AV | 54.00          | -4.64       | 1.80               | 300                  | 27.46              | 21.90                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11a\_5825MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5850.00         | 54.25                   | PK | 68.20          | -13.95      | 1.70               | 320                  | 44.47              | 9.78                     |
| 2   | 11650.00        | 53.62                   | PK | 68.20          | -14.58      | 1.70               | 320                  | 31.72              | 21.90                    |
| 3   | 11650.00        | 43.47                   | AV | 54.00          | -10.53      | 1.70               | 320                  | 21.57              | 21.90                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n20\_5180MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5150.00         | 51.26                  | PK | 68.20          | -16.94      | 1.60               | 320                  | 43.76              | 7.50                     |
| 2   | 5150.00         | 41.14                  | AV | 54.00          | -12.86      | 1.60               | 320                  | 33.64              | 7.50                     |
| 3   | 10360.00        | 53.62                  | PK | 68.20          | -14.58      | 1.60               | 320                  | 33.82              | 19.80                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n20\_5180MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5150.00         | 52.62                  | PK | 68.20          | -15.58      | 1.50               | 250                  | 45.12              | 7.50                     |
| 2   | 5150.00         | 41.88                  | AV | 54.00          | -12.12      | 1.50               | 250                  | 34.38              | 7.50                     |
| 3   | 10360.00        | 51.47                  | PK | 68.20          | -16.73      | 1.50               | 250                  | 31.67              | 19.80                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n20\_5220MHz)**

| No. | Frequency<br>(MHz) | Emssion<br>Level<br>(dBuV/m) |    | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(m) | Table<br>Angle<br>(Degree) | Raw<br>Value<br>(dBuV/m) | Correction<br>Factor<br>(dB/m) |
|-----|--------------------|------------------------------|----|-------------------|----------------|--------------------------|----------------------------|--------------------------|--------------------------------|
| 1   | 10400.00           | 56.35                        | PK | 68.20             | -11.85         | 1.60                     | 320                        | 36.45                    | 19.90                          |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n20\_5220MHz)**

| No. | Frequency<br>(MHz) | Emssion<br>Level<br>(dBuV/m) |    | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(m) | Table<br>Angle<br>(Degree) | Raw<br>Value<br>(dBuV/m) | Correction<br>Factor<br>(dB/m) |
|-----|--------------------|------------------------------|----|-------------------|----------------|--------------------------|----------------------------|--------------------------|--------------------------------|
| 1   | 10400.00           | 54.84                        | PK | 68.20             | -13.36         | 1.50                     | 250                        | 34.94                    | 19.90                          |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n20\_5240MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5350.00         | 55.21                   | PK | 68.20          | -12.99      | 1.60               | 320                  | 47.21              | 8.00                     |
| 2   | 5350.00         | 44.64                   | AV | 54.00          | -9.36       | 1.60               | 320                  | 36.64              | 8.00                     |
| 3   | 10480.00        | 54.25                   | PK | 68.20          | -13.95      | 1.60               | 320                  | 34.35              | 19.90                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n20\_5240MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5350.00         | 56.95                   | PK | 68.20          | -11.25      | 1.50               | 250                  | 48.95              | 8.00                     |
| 2   | 5350.00         | 46.67                   | AV | 54.00          | -7.33       | 1.50               | 250                  | 38.67              | 8.00                     |
| 3   | 10480.00        | 54.52                   | PK | 68.20          | -13.68      | 1.50               | 250                  | 34.62              | 19.90                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n20\_5745MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5725.00         | 52.98                  | PK | 68.20          | -15.22      | 1.60               | 220                  | 43.33              | 9.65                     |
| 2   | 11490.00        | 53.94                  | PK | 68.20          | -14.26      | 1.60               | 220                  | 32.24              | 21.70                    |
| 3   | 11490.00        | 43.46                  | AV | 54.00          | -10.54      | 1.60               | 220                  | 21.76              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n20\_5745MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5725.00         | 55.24                  | PK | 68.20          | -12.96      | 1.80               | 320                  | 45.59              | 9.65                     |
| 2   | 11490.00        | 58.36                  | PK | 68.20          | -9.84       | 1.80               | 320                  | 36.66              | 21.70                    |
| 3   | 11490.00        | 45.62                  | AV | 54.00          | -8.38       | 1.80               | 320                  | 23.92              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n20\_5785MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 11570.00        | 53.24                   | PK | 68.20          | -14.96      | 1.60               | 220                  | 31.54              | 21.70                    |
| 2   | 11570.00        | 41.89                   | AV | 54.00          | -12.11      | 1.60               | 220                  | 20.19              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n20\_5785MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 11570.00        | 54.18                   | PK | 68.20          | -14.02      | 1.80               | 320                  | 32.48              | 21.70                    |
| 2   | 11570.00        | 43.31                   | AV | 54.00          | -10.69      | 1.80               | 320                  | 21.61              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n20\_5825MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5850.00         | 54.85                   | PK | 68.20          | -13.35      | 1.80               | 200                  | 45.07              | 9.78                     |
| 2   | 11650.00        | 53.95                   | PK | 68.20          | -14.25      | 1.80               | 300                  | 32.05              | 21.90                    |
| 3   | 11650.00        | 42.97                   | AV | 54.00          | -11.03      | 1.80               | 300                  | 21.07              | 21.90                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n20\_5825MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5850.00         | 54.18                   | PK | 68.20          | -14.02      | 1.70               | 300                  | 44.40              | 9.78                     |
| 2   | 11650.00        | 52.98                   | PK | 68.20          | -15.22      | 1.70               | 300                  | 31.08              | 21.90                    |
| 3   | 11650.00        | 41.83                   | AV | 54.00          | -12.17      | 1.70               | 300                  | 19.93              | 21.90                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac20\_5180MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5150.00         | 52.58                  | PK | 68.20          | -15.62      | 1.60               | 300                  | 45.08              | 7.50                     |
| 2   | 5150.00         | 42.46                  | AV | 54.00          | -11.54      | 1.60               | 300                  | 34.96              | 7.50                     |
| 3   | 10360.00        | 54.98                  | PK | 68.20          | -13.22      | 1.60               | 300                  | 35.18              | 19.80                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac20\_5180MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5150.00         | 54.25                  | PK | 68.20          | -13.95      | 1.50               | 250                  | 46.75              | 7.50                     |
| 2   | 5150.00         | 43.51                  | AV | 54.00          | -10.49      | 1.50               | 250                  | 36.01              | 7.50                     |
| 3   | 10360.00        | 55.68                  | PK | 68.20          | -12.52      | 1.50               | 250                  | 35.88              | 19.80                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac20\_5220MHz)**

| No. | Frequency<br>(MHz) | Emssion<br>Level<br>(dBuV/m) |    | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(m) | Table<br>Angle<br>(Degree) | Raw<br>Value<br>(dBuV/m) | Correction<br>Factor<br>(dB/m) |
|-----|--------------------|------------------------------|----|-------------------|----------------|--------------------------|----------------------------|--------------------------|--------------------------------|
| 1   | 10400.00           | 55.87                        | PK | 68.20             | -12.33         | 1.60                     | 300                        | 35.97                    | 19.90                          |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac20\_5220MHz)**

| No. | Frequency<br>(MHz) | Emssion<br>Level<br>(dBuV/m) |    | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(m) | Table<br>Angle<br>(Degree) | Raw<br>Value<br>(dBuV/m) | Correction<br>Factor<br>(dB/m) |
|-----|--------------------|------------------------------|----|-------------------|----------------|--------------------------|----------------------------|--------------------------|--------------------------------|
| 1   | 10400.00           | 54.87                        | PK | 68.20             | -13.33         | 1.50                     | 300                        | 34.97                    | 19.90                          |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac20\_5240MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5350.00         | 56.36                  | PK | 68.20          | -11.84      | 1.60               | 320                  | 48.36              | 8.00                     |
| 2   | 5350.00         | 45.79                  | AV | 54.00          | -8.21       | 1.60               | 320                  | 37.79              | 8.00                     |
| 3   | 10480.00        | 54.28                  | PK | 68.20          | -13.92      | 1.60               | 320                  | 34.38              | 19.90                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac20\_5240MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5350.00         | 55.87                  | PK | 68.20          | -12.33      | 1.50               | 250                  | 47.87              | 8.00                     |
| 2   | 5350.00         | 45.59                  | AV | 54.00          | -8.41       | 1.50               | 250                  | 37.59              | 8.00                     |
| 3   | 10480.00        | 54.98                  | PK | 68.20          | -13.22      | 1.50               | 250                  | 35.08              | 19.90                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac20\_5745MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5725.00         | 51.62                   | PK | 68.20          | -16.58      | 1.60               | 220                  | 41.97              | 9.65                     |
| 2   | 11490.00        | 55.48                   | PK | 68.20          | -12.72      | 1.60               | 220                  | 33.78              | 21.70                    |
| 3   | 11490.00        | 45.00                   | AV | 54.00          | -9          | 1.60               | 220                  | 23.30              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac20\_5745MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5725.00         | 53.98                   | PK | 68.20          | -14.22      | 1.80               | 320                  | 44.33              | 9.65                     |
| 2   | 11490.00        | 56.25                   | PK | 68.20          | -11.95      | 1.80               | 320                  | 34.55              | 21.70                    |
| 3   | 11490.00        | 43.51                   | AV | 54.00          | -10.49      | 1.80               | 320                  | 21.81              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac20\_5785MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 11570.00        | 55.84                   | PK | 68.20          | -12.36      | 1.60               | 220                  | 34.14              | 21.70                    |
| 2   | 11570.00        | 44.49                   | AV | 54.00          | -9.51       | 1.60               | 220                  | 22.79              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac20\_5785MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 11570.00        | 53.95                   | PK | 68.20          | -14.25      | 1.80               | 320                  | 32.25              | 21.70                    |
| 2   | 11570.00        | 43.08                   | AV | 54.00          | -10.92      | 1.80               | 320                  | 21.38              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac20\_5825MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5850.00         | 55.78                   | PK | 68.20          | -12.42      | 1.80               | 200                  | 46.00              | 9.78                     |
| 2   | 11650.00        | 54.65                   | PK | 68.20          | -13.55      | 1.80               | 300                  | 32.75              | 21.90                    |
| 3   | 11650.00        | 43.67                   | AV | 54.00          | -10.33      | 1.80               | 300                  | 21.77              | 21.90                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac20\_5825MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5850.00         | 56.36                   | PK | 68.20          | -11.84      | 1.70               | 300                  | 46.58              | 9.78                     |
| 2   | 11650.00        | 54.18                   | PK | 68.20          | -14.02      | 1.70               | 300                  | 32.28              | 21.90                    |
| 3   | 11650.00        | 43.03                   | AV | 54.00          | -10.97      | 1.70               | 300                  | 21.13              | 21.90                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n40\_5190MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5150.00         | 53.62                  | PK | 68.20          | -14.58      | 1.60               | 220.00               | 46.12              | 7.50                     |
| 2   | 5150.00         | 42.84                  | AV | 54.00          | -11.16      | 1.60               | 220.00               | 35.34              | 7.50                     |
| 3   | 10380.00        | 55.86                  | PK | 68.20          | -12.34      | 1.60               | 220.00               | 36.06              | 19.80                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n40\_5190MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5150.00         | 55.98                  | PK | 68.20          | -12.22      | 1.80               | 330.00               | 48.48              | 7.50                     |
| 2   | 5150.00         | 45.24                  | AV | 54.00          | -8.76       | 1.80               | 330.00               | 37.74              | 7.50                     |
| 3   | 10380.00        | 56.37                  | PK | 68.20          | -11.83      | 1.80               | 330.00               | 36.57              | 19.80                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n40\_5230MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5350.00         | 55.84                  | PK | 68.20          | -12.36      | 1.60               | 300.00               | 47.84              | 8.00                     |
| 2   | 5350.00         | 45.55                  | AV | 54.00          | -8.45       | 1.60               | 300.00               | 37.55              | 8.00                     |
| 3   | 10460.00        | 54.19                  | PK | 68.20          | -14.01      | 1.60               | 300.00               | 34.29              | 19.90                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n40\_5230MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5350.00         | 53.69                  | PK | 68.20          | -14.51      | 1.80               | 290.00               | 45.69              | 8.00                     |
| 2   | 5350.00         | 42.95                  | AV | 54.00          | -11.05      | 1.80               | 290.00               | 34.95              | 8.00                     |
| 3   | 10460.00        | 54.18                  | PK | 68.20          | -14.02      | 1.80               | 290.00               | 34.28              | 19.90                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n40\_5755MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5725.00         | 53.62                   | PK | 68.20          | -14.58      | 1.70               | 120.00               | 43.97              | 9.65                     |
| 2   | 5725.00         | 44.64                   | AV | 54.00          | -9.36       | 1.70               | 120.00               | 34.99              | 9.65                     |
| 3   | 11510.00        | 54.18                   | PK | 68.20          | -14.02      | 1.70               | 120.00               | 32.48              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n40\_5755MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5725.00         | 52.84                   | PK | 68.20          | -15.36      | 1.80               | 300.00               | 43.19              | 9.65                     |
| 2   | 5725.00         | 42.19                   | AV | 54.00          | -11.81      | 1.80               | 300.00               | 32.54              | 9.65                     |
| 3   | 11510.00        | 55.32                   | PK | 68.20          | -12.88      | 1.80               | 300.00               | 33.62              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11n40\_5795MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5850.00         | 53.62                   | PK | 68.20          | -14.58      | 1.60               | 240.00               | 43.84              | 9.78                     |
| 2   | 5850.00         | 42.77                   | AV | 54.00          | -11.23      | 1.60               | 240.00               | 32.99              | 9.78                     |
| 3   | 11590.00        | 55.78                   | PK | 68.20          | -12.42      | 1.60               | 240.00               | 33.98              | 21.80                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11n40\_5795MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5850.00         | 53.62                   | PK | 68.20          | -14.58      | 1.80               | 290.00               | 43.84              | 9.78                     |
| 2   | 5850.00         | 42.84                   | AV | 54.00          | -11.16      | 1.80               | 290.00               | 33.06              | 9.78                     |
| 3   | 11590.00        | 56.87                   | PK | 68.20          | -11.33      | 1.80               | 290.00               | 35.07              | 21.80                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac40\_5190MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5150.00         | 55.84                  | PK | 68.20          | -12.36      | 1.60               | 280.00               | 48.34              | 7.50                     |
| 2   | 5150.00         | 45.06                  | AV | 54.00          | -8.94       | 1.60               | 280.00               | 37.56              | 7.50                     |
| 3   | 10380.00        | 56.39                  | PK | 68.20          | -11.81      | 1.60               | 280.00               | 36.59              | 19.80                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac40\_5190MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5150.00         | 54.19                  | PK | 68.20          | -14.01      | 1.80               | 300.00               | 46.69              | 7.50                     |
| 2   | 5150.00         | 43.45                  | AV | 54.00          | -10.55      | 1.80               | 300.00               | 35.95              | 7.50                     |
| 3   | 10380.00        | 55.26                  | PK | 68.20          | -12.94      | 1.80               | 300.00               | 35.46              | 19.80                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac40\_5230MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5350.00         | 53.69                  | PK | 68.20          | -14.51      | 1.60               | 290.00               | 45.69              | 8.00                     |
| 2   | 5350.00         | 43.40                  | AV | 54.00          | -10.6       | 1.60               | 290.00               | 35.40              | 8.00                     |
| 3   | 10460.00        | 54.18                  | PK | 68.20          | -14.02      | 1.60               | 290.00               | 34.28              | 19.90                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac40\_5230MHz)**

| No. | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5350.00         | 52.98                  | PK | 68.20          | -15.22      | 1.80               | 320.00               | 44.98              | 8.00                     |
| 2   | 5350.00         | 42.24                  | AV | 54.00          | -11.76      | 1.80               | 320.00               | 34.24              | 8.00                     |
| 3   | 10460.00        | 55.00                  | PK | 68.20          | -13.2       | 1.80               | 320.00               | 35.10              | 19.90                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac40\_5755MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5725.00         | 53.97                   | PK | 68.20          | -14.23      | 1.70               | 120.00               | 44.32              | 9.65                     |
| 2   | 5725.00         | 44.99                   | AV | 54.00          | -9.01       | 1.70               | 120.00               | 35.34              | 9.65                     |
| 3   | 11510.00        | 55.18                   | PK | 68.20          | -13.02      | 1.70               | 120.00               | 33.48              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac40\_5755MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5725.00         | 54.65                   | PK | 68.20          | -13.55      | 1.80               | 300.00               | 45.00              | 9.65                     |
| 2   | 5725.00         | 44.00                   | AV | 54.00          | -10         | 1.80               | 300.00               | 34.35              | 9.65                     |
| 3   | 11510.00        | 56.29                   | PK | 68.20          | -11.91      | 1.80               | 300.00               | 34.59              | 21.70                    |

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac40\_5795MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5850.00         | 53.62                   | PK | 68.20          | -14.58      | 1.60               | 240.00               | 43.84              | 9.78                     |
| 2   | 5850.00         | 42.77                   | AV | 54.00          | -11.23      | 1.60               | 240.00               | 32.99              | 9.78                     |
| 3   | 11590.00        | 55.78                   | PK | 68.20          | -12.42      | 1.60               | 240.00               | 33.98              | 21.80                    |

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac40\_5795MHz)**

| No. | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
|-----|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| 1   | 5850.00         | 53.62                   | PK | 68.20          | -14.58      | 1.80               | 290.00               | 43.84              | 9.78                     |
| 2   | 5850.00         | 42.84                   | AV | 54.00          | -11.16      | 1.80               | 290.00               | 33.06              | 9.78                     |
| 3   | 11590.00        | 56.87                   | PK | 68.20          | -11.33      | 1.80               | 290.00               | 35.07              | 21.80                    |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac-VHT80_5210MHz) |                 |                        |    |                |             |                    |                      |                    |                          |
|------------------------------------------------------------------------------|-----------------|------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| No.                                                                          | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
| 1                                                                            | 5150.00         | 52.26                  | PK | 68.20          | -15.94      | 1.60               | 180.00               | 44.76              | 7.50                     |
| 2                                                                            | 5150.00         | 41.60                  | AV | 54.00          | -12.40      | 1.60               | 180.00               | 34.10              | 7.50                     |
| 3                                                                            | 10420.00        | 55.36                  | PK | 68.20          | -12.84      | 1.60               | 180.00               | 35.46              | 19.90                    |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac-VHT80_5210MHz)   |                 |                        |    |                |             |                    |                      |                    |                          |
| No.                                                                          | Frequency (MHz) | Emssion Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
| 1                                                                            | 5150.00         | 53.95                  | PK | 68.20          | -14.25      | 1.80               | 90.00                | 46.45              | 7.50                     |
| 2                                                                            | 5150.00         | 43.97                  | AV | 54.00          | -10.03      | 1.80               | 90.00                | 36.47              | 7.50                     |
| 3                                                                            | 10420.00        | 58.21                  | PK | 68.20          | -9.99       | 1.80               | 90.00                | 38.31              | 19.90                    |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M (802.11ac-VHT80_5775MHz) |                 |                         |    |                |             |                    |                      |                    |                          |
|------------------------------------------------------------------------------|-----------------|-------------------------|----|----------------|-------------|--------------------|----------------------|--------------------|--------------------------|
| No.                                                                          | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
| 1                                                                            | 5460.00         | 54.84                   | PK | 68.20          | -13.36      | 1.80               | 300.00               | 45.06              | 9.78                     |
| 2                                                                            | 5460.00         | 47.10                   | AV | 54.00          | -6.90       | 1.80               | 300.00               | 37.32              | 9.78                     |
| 3                                                                            | 11220.00        | 57.26                   | PK | 68.20          | -10.94      | 1.80               | 200.00               | 35.46              | 21.80                    |
| 4                                                                            | 11220.00        | 46.52                   | AV | 54.00          | -7.48       | 1.80               | 200.00               | 24.72              | 21.80                    |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M (802.11ac-VHT80_5775MHz)   |                 |                         |    |                |             |                    |                      |                    |                          |
| No.                                                                          | Frequency (MHz) | Emission Level (dBuV/m) |    | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV/m) | Correction Factor (dB/m) |
| 1                                                                            | 5460.00         | 53.62                   | PK | 68.20          | -14.58      | 1.70               | 360.00               | 43.84              | 9.78                     |
| 2                                                                            | 5460.00         | 44.97                   | AV | 54.00          | -9.03       | 1.70               | 360.00               | 35.19              | 9.78                     |
| 3                                                                            | 11220.00        | 54.18                   | PK | 68.20          | -14.02      | 1.70               | 280.00               | 32.38              | 21.80                    |
| 4                                                                            | 11220.00        | 43.60                   | AV | 54.00          | -10.40      | 1.70               | 280.00               | 21.80              | 21.80                    |

#### 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)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

### 3. List of measuring equipment

| Item | Test Equipment                  | Manufacturer                       | Model No.           | Serial No. | Cal Date   | Due Date   |
|------|---------------------------------|------------------------------------|---------------------|------------|------------|------------|
| 1    | EMI TEST RECEIVER               | KEYSIGHT                           | N9038A              | A141202036 | 2020.09.21 | 2021.09.20 |
| 2    | Power Meter                     | R&S                                | NRP-Z31             | 102872     | 2021.04.26 | 2022.04.25 |
| 3    | TURNTABLE                       | ETS                                | 2088                | 2149       | N/A        | N/A        |
| 4    | ANTENNA MAST                    | ETS                                | 2075                | 2346       | N/A        | N/A        |
| 5    | EMI TEST Software               | R&S                                | ESK1                | N/A        | N/A        | N/A        |
| 6    | Horn antenna<br>(18GHz~26.5GHz) | AR                                 | AT4003A             | 325306     | 2020.09.16 | 2022.09.15 |
| 7    | Amplifier 30M~1GHz              | MILMEGA                            | 80RF1000-10004      | A140101634 | 2021.01.26 | 2022.01.25 |
| 8    | Amplifier<br>1G~18GHz           | MILMEGA                            | AS0104R-800/40<br>0 | A160302517 | 2021.01.26 | 2022.01.25 |
| 9    | High pass filter                | Compliance<br>Direction<br>systems | BSU-6               | 34202      | 2020.11.10 | 2021.11.09 |
| 10   | Horn Antenna                    | R&S                                | HF906               | A0304225   | 2019.04.17 | 2022.04.16 |
| 11   | Horn Antenna                    | R&S                                | ESIB7               | A0501375   | 2020.06.24 | 2022.06.22 |
| 12   | ULTRA-BROADBAND<br>ANTENNA      | SCHWARZBEC<br>K                    | VULB9160            | A0805560   | 2019.05.24 | 2022.05.23 |
| 13   | Passive Loop Antenna            | R&S                                | HFH2-Z2             | 100047     | 2019.04.26 | 2022.04.25 |
| 14   | Temperature<br>chamber          | TABAI                              | PS-232              | A8708054   | 2020.10.30 | 2021.10.29 |
| 15   | Spectrum Analyzer               | KEYSIGHT                           | N9030A              | A160702554 | 2021.04.26 | 2022.04.25 |
| 16   | Power Supply                    | R&S                                | ESIB26              | A0304218   | 2021.01.04 | 2022.01.03 |
| 17   | LISN                            | ROHDE&SCH<br>WARZ                  | ENV216              | A140701847 | 2020.09.22 | 2021.09.21 |
| 18   | Test software                   | ECIT                               | Eagle               | V2.0       | N/A        | N/A        |

#### 4. Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013. All the measurement uncertainty value were shown with a coverage  $K=2$  to indicate 95% level of confidence . The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

##### Uncertainty of Conducted Emission Measurement (150KHz~30MHz)

|                                                                       |       |
|-----------------------------------------------------------------------|-------|
| Measuring Uncertainty for a level of confidence of 95%( $U=2U_c(y)$ ) | 2.8dB |
|-----------------------------------------------------------------------|-------|

##### Uncertainty of Radiated Emission Measurement (30MHz~1GHz)

|                                                                       |        |
|-----------------------------------------------------------------------|--------|
| Measuring Uncertainty for a level of confidence of 95%( $U=2U_c(y)$ ) | 3.91dB |
|-----------------------------------------------------------------------|--------|

##### Uncertainty of Radiated Emission Measurement (1GHz~18GHz)

|                                                                       |       |
|-----------------------------------------------------------------------|-------|
| Measuring Uncertainty for a level of confidence of 95%( $U=2U_c(y)$ ) | 4.5dB |
|-----------------------------------------------------------------------|-------|

##### Uncertainty of Radiated Emission Measurement (18GHz~40GHz)

|                                                                       |       |
|-----------------------------------------------------------------------|-------|
| Measuring Uncertainty for a level of confidence of 95%( $U=2U_c(y)$ ) | 4.9dB |
|-----------------------------------------------------------------------|-------|

**\*\* END OF REPORT \*\***