

FCC Test Report

Report No.: RF150203E03F

FCC ID: MAD-RU00-M03

Test Model: RU00-M03

Serial Model: RU00-M04, RU00-M03-XXXX, RU00-M04-XXXX (X= 0~9 , A~Z ,
Configuration Code)

Received Date: July 13, 2018

Test Date: Aug. 03 to 06, 2018

Issued Date: Sep. 26, 2018

Applicant: Microelectronics Technology Inc.

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Taiwan, R.O.C.

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

Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
Taiwan R.O.C.

Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
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**FCC Registration /
Designation Number:** 723255 / TW2022



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Release Control Record

| Issue No. | Description | Date Issued |
|--------------|-------------------|---------------|
| RF150203E03F | Original release. | Sep. 26, 2018 |

1 Certificate of Conformity

Product: RFID HP-SIP Module

Brand: MTI

Test Model: RU00-M03

Serial Model: RU00-M04, RU00-M03-XXXX, RU00-M04-XXXX (X= 0~9 , A~Z , Configuration Code)

Sample Status: ENGINEERING SAMPLE

Applicant: Microelectronics Technology Inc.

Test Date: Aug. 03 to 06, 2018

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.247)
ANSI C63.10: 2013

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 EMC characteristics under the conditions specified in this report.

Prepared by : Mary Ko , **Date:** Sep. 26, 2018
Mary Ko / Specialist

Approved by : May Chen , **Date:** Sep. 26, 2018
May Chen / Manager

2 Summary of Test Results

| 47 CFR FCC Part 15, Subpart C (SECTION 15.247) | | | |
|--|--|--------|---|
| FCC Clause | Test Item | Result | Remarks |
| 15.247(b) | Maximum Peak Output Power | PASS | Meet the requirement of limit. |
| 15.205 & 209 & 15.247(d) | Radiated Emissions & Band Edge Measurement | PASS | Meet the requirement of limit. Minimum passing margin is -3.4dB at 250.02MHz. |
| 15.203 | Antenna Requirement | PASS | Ant. No. 2: Antenna connector is SMA. (The device is professionally installed) Ant. No. 3: Antenna connector is N-Type. |

NOTE: If The Frequency Hopping System operating in 2400-2483.5MHz band and the output power less than 125mW. The hopping channel carrier frequencies separated by a minimum of 25kHz or two-thirds of the 20dB bandwidth of hopping channel whichever is greater.

2.1 Measurement Uncertainty

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

| Measurement | Frequency | Expanded Uncertainty (k=2) (±) |
|--------------------------------|---------------|--------------------------------|
| Radiated Emissions up to 1 GHz | 30MHz ~ 1GHz | 5.53 dB |
| Radiated Emissions above 1 GHz | 1GHz ~ 6GHz | 5.08 dB |
| | 6GHz ~ 18GHz | 4.98 dB |
| | 18GHz ~ 40GHz | 5.19 dB |

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

| | |
|-----------------------|--|
| Product | RFID HP-SIP Module |
| Brand | MTI |
| Test Model | RU00-M03 |
| Serial Model | RU00-M04, RU00-M03-XXXX, RU00-M04-XXXX (X= 0~9 , A~Z , Configuration Code) |
| Status of EUT | ENGINEERING SAMPLE |
| Power Supply Rating | DC 5V from host equipment |
| Modulation Type | ASK |
| Modulation Technology | FHSS |
| Operating Frequency | 902.75MHz ~ 927.25MHz |
| Number of Channel | 50 |
| Output Power | 931.108mW |
| Antenna Type | Refer to Note |
| Antenna Connector | Refer to Note |
| Accessory Device | NA |
| Data Cable Supplied | NA |

Note:

- This report is prepared for FCC Class II change. The difference compared with the Report No.: RF150203E03E design changed is as the following:
 - ◆ Added two antennas.

| Original | | | | | | | |
|----------|-------------------------|--------------------------------|-----------------------|--------------------------------|------------------------------|----------------|------------------------------|
| Ant. No. | Antenna Type | Gain(dBi) (Include cable loss) | Antenna Connector | Cable Loss(dB) | Frequency range (MHz to MHz) | | |
| 1 | Patch | 5.25 | SMA Female | 0.75 | 902~928 | | |
| Newly | | | | | | | |
| Ant. No. | Brand | Model | Antenna Type | Gain(dBi) (Include cable loss) | Antenna Connector | Cable Loss(dB) | Frequency range (MHz to MHz) |
| 2 | Broadradio | BRA-07 | Circular Polarization | 0 | SMA | 0 | 860~960 |
| 3 | AMERICAN RFID SOLUTIONS | HD 500 | Circular | 5.25 | N type female | 0.75 | 902~928 |

Note:

- The EUT has four chain ports (chain 0 / chain 1 / chain 2 / chain 3 / chain 4) and can connect any one to function. When one chain port functions, another don't any function.
- From the above conditions, the worst cases were found in **Chain 3**. Therefore only the test data of the mode was recorded in this report.
- Antenna No. 1 & 3 only for test not for sale.

- ◆ Added one antenna port.
- ◆ Added one antenna trace layout design on host part.
- ◆ Added model name: RU00-M03, RU00-M03-XXXX (X= 0~9, A~Z, Configuration Code).

| Brand | Product Name | Model Name | Difference |
|-------|--------------------|---------------|---|
| MTI | RFID HP-SIP Module | RU00-M03 | X= 0~9 , A~Z , Configuration Code for marketing propose |
| | | RU00-M03-XXXX | |

- According to above conditions, only Output Power and Radiated emissions test items need to be performed. And all data was verified to meet the requirements.

3. The EUT has below model names, which are identical to each other in all aspects except for the following:

| Brand | Product name | Model Name | Different |
|-------|--------------------|---------------|--|
| MTI | RFID HP-SIP Module | RU00-M04 | 1. X= 0~9 , A~Z , Configuration Code 2. For marketing propose |
| | | RU00-M04-XXXX | |
| | | RU00-M03 | |
| | | RU00-M03-XXXX | |

From the above models, model: **RU00-M03** was selected as representative model for the test and its data was recorded in this report.

4. The EUT has three different Link Profile designs as following table:

| Type No | Link Profile |
|---------|--------------------|
| 1 | PR_ASK/M4/250KHz |
| 2 | DSB_ASK/FM0/40KHz |
| 3 | DSB_ASK/FM0/400KHz |

5. The EUT incorporates a SISO function.

| MODULATION MODE | TX & RX CONFIGURATION | |
|-----------------|-----------------------|-----|
| Mode A | 1TX | 1RX |

6. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Description of Test Modes

50 channels are provided to this EUT.

| Channel | Freq. (MHz) | Channel | Freq. (MHz) | Channel | Freq. (MHz) |
|---------|-------------|---------|-------------|---------|-------------|
| 0 | 902.75 | 21 | 913.25 | 42 | 923.75 |
| 1 | 903.25 | 22 | 913.75 | 43 | 924.25 |
| 2 | 903.75 | 23 | 914.25 | 44 | 924.75 |
| 3 | 904.25 | 24 | 914.75 | 45 | 925.25 |
| 4 | 904.75 | 25 | 915.25 | 46 | 925.75 |
| 5 | 905.25 | 26 | 915.75 | 47 | 926.25 |
| 6 | 905.75 | 27 | 916.25 | 48 | 926.75 |
| 7 | 906.25 | 28 | 916.75 | 49 | 927.25 |
| 8 | 906.75 | 29 | 917.25 | | |
| 9 | 907.25 | 30 | 917.75 | | |
| 10 | 907.75 | 31 | 918.25 | | |
| 11 | 908.25 | 32 | 918.75 | | |
| 12 | 908.75 | 33 | 919.25 | | |
| 13 | 909.25 | 34 | 919.75 | | |
| 14 | 909.75 | 35 | 920.25 | | |
| 15 | 910.25 | 36 | 920.75 | | |
| 16 | 910.75 | 37 | 921.25 | | |
| 17 | 911.25 | 38 | 921.75 | | |
| 18 | 911.75 | 39 | 922.25 | | |
| 19 | 912.25 | 40 | 922.75 | | |
| 20 | 912.75 | 41 | 923.25 | | |

3.2.1 Test Mode Applicability and Tested Channel Detail

| EUT CONFIGURE MODE | APPLICABLE TO | | | DESCRIPTION |
|--------------------|---------------|-----------|------|--|
| | RE \geq 1G | RE $<$ 1G | APCM | |
| 1 | √ | √ | √ | Antenna No. 3 with Link Profile design: Type 1 |
| 2 | √ | √ | √ | Antenna No. 3 with Link Profile design: Type 2 |
| 3 | √ | √ | √ | Antenna No. 3 with Link Profile design: Type 3 |
| 4 | √ | √ | - | Antenna No. 2 with Link Profile design: Type 1 |
| 5 | √ | √ | - | Antenna No. 2 with Link Profile design: Type 2 |
| 6 | √ | √ | - | Antenna No. 2 with Link Profile design: Type 3 |

Where **RE \geq 1G**: Radiated Emission above 1GHz **RE $<$ 1G**: Radiated Emission below 1GHz
APCM: Antenna Port Conducted Measurement

Radiated Emission Test (Above 1GHz):

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

| Available Channel | Tested Channel | Modulation Technology | Modulation Technology |
|-------------------|----------------|-----------------------|-----------------------|
| 0 to 49 | 0, 24, 49 | FHSS | 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.

| Available Channel | Tested Channel | Modulation Technology | Modulation Technology |
|-------------------|----------------|-----------------------|-----------------------|
| 0 to 49 | 0, 24, 49 | FHSS | ASK |

Antenna Port Conducted Measurement:

- This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- 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.

| Available Channel | Tested Channel | Modulation Technology | Modulation Technology |
|-------------------|----------------|-----------------------|-----------------------|
| 0 to 49 | 0, 24, 49 | FHSS | ASK |

Test Condition:

| APPLICABLE TO | ENVIRONMENTAL CONDITIONS | INPUT POWER (System) | TESTED BY |
|---------------|------------------------------------|-------------------------|---------------|
| RE \geq 1G | 22deg. C, 69%RH | 120Vac, 60Hz | Frank Chuang |
| RE<1G | 23deg. C, 66%RH 22deg. C, 65%RH | 120Vac, 60 Hz | Frank Chuang |
| APCM | 25deg. C, 60%RH | 120Vac, 60 Hz | Anderson 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.

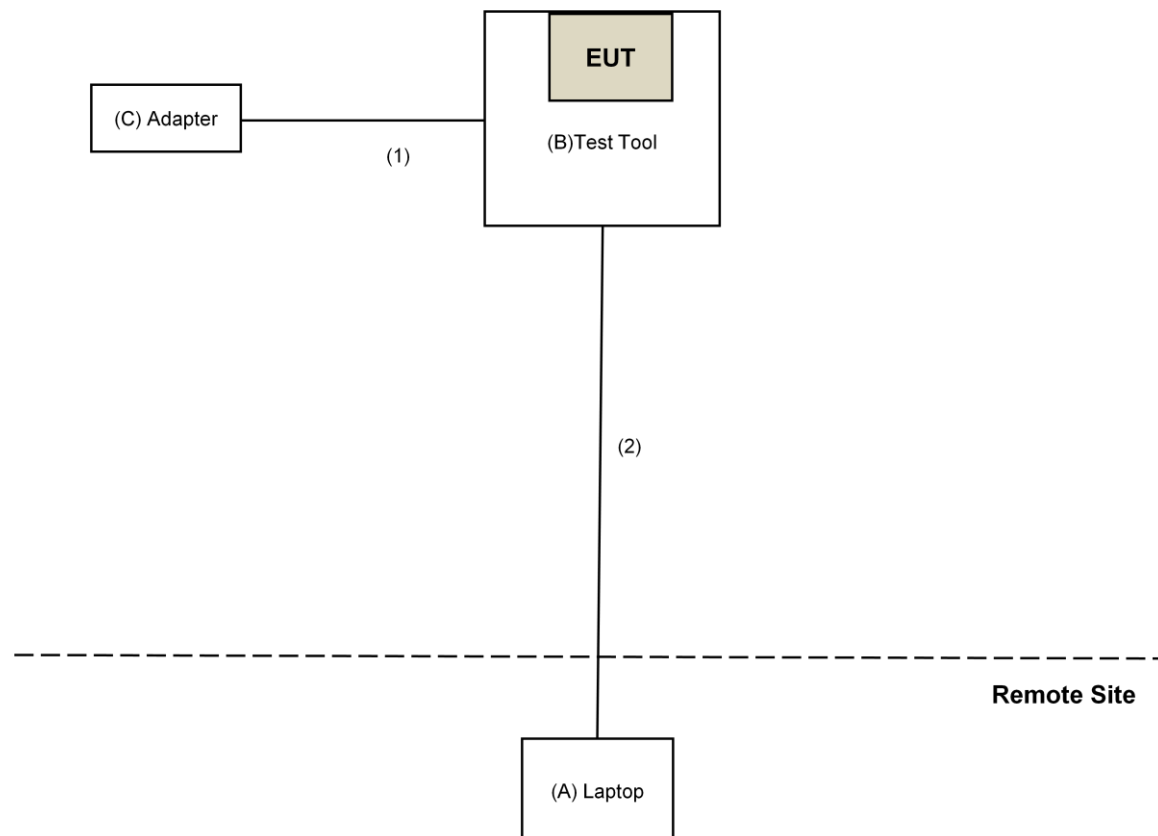
| ID | Product | Brand | Model No. | Serial No. | FCC ID | Remarks |
|----|-----------|-------|-----------|------------|---------|--------------------|
| A. | Laptop | DELL | E6420 | B92T3R1 | FCC DoC | Provided by Lab |
| B. | Test Tool | NA | NA | NA | NA | Supplied by client |
| C. | Adapter | NA | NA | NA | NA | Supplied by client |

Note:

1. All power cords of the above support units are non-shielded (1.8m).

| ID | Descriptions | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks |
|----|--------------|------|------------|--------------------|--------------|--------------------|
| 1. | DC Cable | 1 | 1.6 | No | 0 | Supplied by client |
| 2. | RJ-45 Cable | 1 | 10 | No | 0 | Provided by Lab |

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:

FCC Part 15, Subpart C (15.247)

ANSI C63.10-2013

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

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

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

4.1.2 Test Instruments

| DESCRIPTION & MANUFACTURER | MODEL NO. | SERIAL NO. | CALIBRATED DATE | CALIBRATED UNTIL |
|--|----------------------|-------------|-----------------|------------------|
| Test Receiver Agilent | N9038A | MY50010156 | July 12, 2018 | July 11, 2019 |
| Pre-Amplifier EMCI | EMC001340 | 980142 | Feb. 09, 2018 | Feb. 08, 2019 |
| Loop Antenna ^(*) Electro-Metrics | EM-6879 | 264 | Dec. 16, 2016 | Dec. 15, 2018 |
| RF Cable | NA | LOOPCAB-001 | Jan. 15, 2018 | Jan. 14, 2019 |
| RF Cable | NA | LOOPCAB-002 | Jan. 15, 2018 | Jan. 14, 2019 |
| Pre-Amplifier Mini-Circuits | ZFL-1000VH2B | AMP-ZFL-05 | May 05, 2018 | May 04, 2019 |
| Trilog Broadband Antenna SCHWARZBECK | VULB 9168 | 9168-361 | Nov. 29, 2017 | Nov. 28, 2018 |
| RF Cable | 8D | 966-3-1 | Mar. 20, 2018 | Mar. 19, 2019 |
| RF Cable | 8D | 966-3-2 | Mar. 20, 2018 | Mar. 19, 2019 |
| RF Cable | 8D | 966-3-3 | Mar. 20, 2018 | Mar. 19, 2019 |
| Fixed attenuator Mini-Circuits | UNAT-5+ | PAD-3m-3-01 | Oct. 03, 2017 | Oct. 02, 2018 |
| Horn_Antenna SCHWARZBECK | BBHA9120-D | 9120D-406 | Dec. 12, 2017 | Dec. 11, 2018 |
| Pre-Amplifier EMCI | EMC12630SE | 980384 | Jan. 29, 2018 | Jan. 28, 2019 |
| RF Cable | EMC104-SM-SM-1200 | 160922 | Jan. 29, 2018 | Jan. 28, 2019 |
| RF Cable | EMC104-SM-SM-2000 | 150317 | Jan. 29, 2018 | Jan. 28, 2019 |
| RF Cable | EMC104-SM-SM-5000 | 150322 | Jan. 29, 2018 | Jan. 28, 2019 |
| Spectrum Analyzer Keysight | N9030A | MY54490679 | July 23, 2018 | July 22, 2019 |
| Pre-Amplifier EMCI | EMC184045SE | 980386 | Jan. 29, 2018 | Jan. 28, 2019 |
| Horn_Antenna SCHWARZBECK | BBHA 9170 | BBHA9170608 | Dec. 14, 2017 | Dec. 13, 2018 |
| RF Cable | EMC102-KM-KM-1200 | 160924 | Jan. 29, 2018 | Jan. 28, 2019 |
| Software | ADT_Radiated_V8.7.08 | NA | NA | NA |
| Antenna Tower & Turn Table Max-Full | MF-7802 | MF780208406 | NA | NA |
| Boresight Antenna Fixture | FBA-01 | FBA-SIP01 | NA | NA |
| Spectrum Analyzer R&S | FSV40 | 100964 | June 20, 2018 | June 19, 2019 |
| Power meter Anritsu | ML2495A | 1014008 | May 09, 2018 | May 08, 2019 |
| Power sensor Anritsu | MA2411B | 0917122 | May 09, 2018 | May 08, 2019 |

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 calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 3.
4. The CANADA Site Registration No. is 20331-1
5. Loop antenna was used for all emissions below 30 MHz.
6. Tested Date: Aug. 03 to 06, 2018

4.1.3 Test Procedures

For Radiated emission below 30MHz

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

NOTE:

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

For Radiated emission above 30MHz

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

Note:

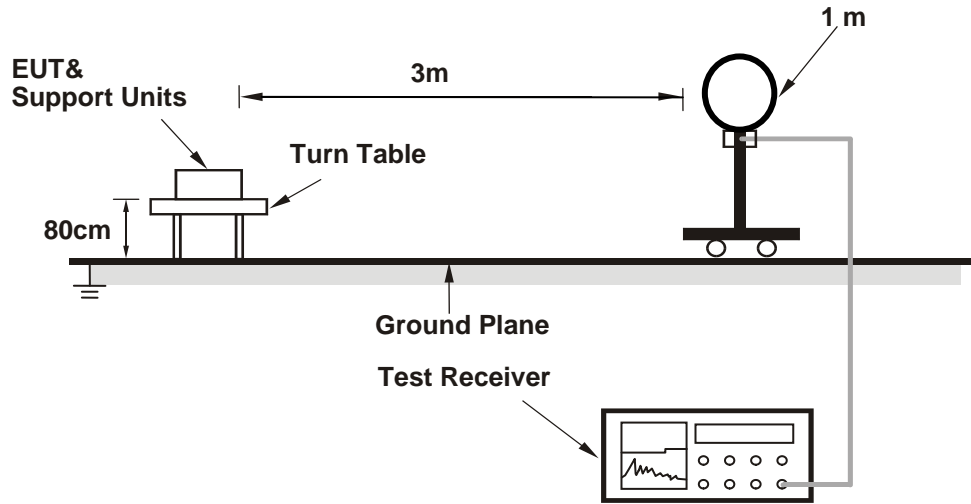
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.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

4.1.4 Deviation from Test Standard

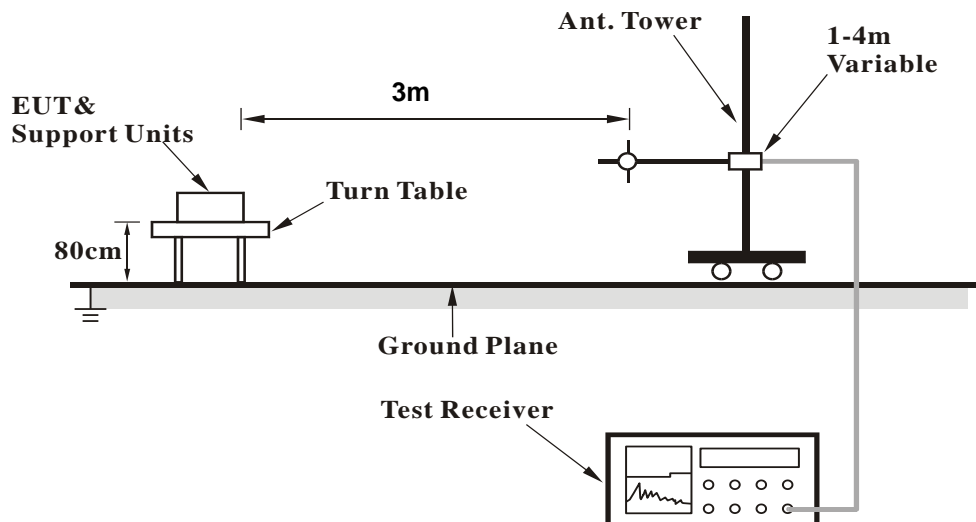
No deviation.

4.1.5 Test Setup

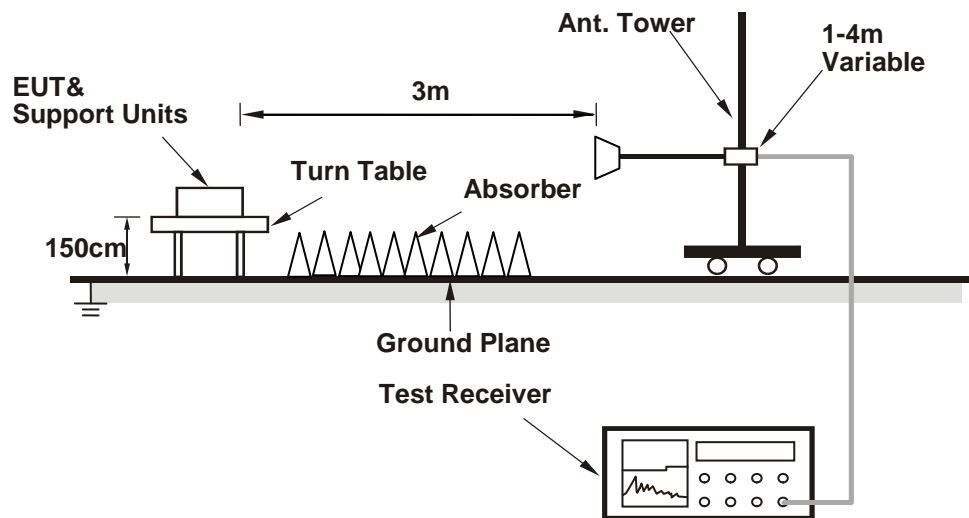
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



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

4.1.6 EUT Operating Conditions

- a. Placed the EUT on the testing table.
- b. Controlling software (RUN PUTTY.EXE paste tx command) has been activated to set the EUT on specific status.

4.1.7 Test Results (Mode 1)

Below 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|-----------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 131.4 QP | | | 1.38 H | 351 | 126.3 | 5.1 |
| 2 | 101.90 | 36.0 QP | 43.5 | -7.5 | 1.50 H | 92 | 47.9 | -11.9 |
| 3 | 202.98 | 29.5 QP | 43.5 | -14.0 | 1.50 H | 121 | 40.4 | -10.9 |
| 4 | 250.02 | 42.5 QP | 46.0 | -3.5 | 1.50 H | 31 | 51.4 | -8.9 |
| 5 | 500.21 | 36.4 QP | 46.0 | -9.6 | 2.00 H | 360 | 38.4 | -2.0 |
| 6 | 625.02 | 34.1 QP | 46.0 | -11.9 | 1.50 H | 2 | 33.2 | 0.9 |
| 7 | 750.01 | 38.0 QP | 46.0 | -8.0 | 1.50 H | 0 | 34.7 | 3.3 |
| 8 | 902.00 | 62.3 QP | 111.4 | -49.1 | 1.38 H | 351 | 57.2 | 5.1 |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 128.8 QP | | | 1.09 V | 353 | 123.7 | 5.1 |
| 2 | 108.52 | 37.6 QP | 43.5 | -5.9 | 2.00 V | 0 | 48.4 | -10.8 |
| 3 | 146.66 | 30.9 QP | 43.5 | -12.6 | 1.50 V | 229 | 38.6 | -7.7 |
| 4 | 202.74 | 30.7 QP | 43.5 | -12.8 | 1.50 V | 112 | 41.6 | -10.9 |
| 5 | 249.65 | 36.5 QP | 46.0 | -9.5 | 1.50 V | 50 | 45.4 | -8.9 |
| 6 | 374.86 | 33.8 QP | 46.0 | -12.2 | 1.50 V | 340 | 38.8 | -5.0 |
| 7 | 500.09 | 38.5 QP | 46.0 | -7.5 | 1.50 V | 46 | 40.5 | -2.0 |
| 8 | 902.00 | 62.0 QP | 108.8 | -46.8 | 1.09 V | 353 | 56.9 | 5.1 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 131.6 QP | | | 1.36 H | 351 | 126.4 | 5.2 |
| 2 | 101.90 | 36.0 QP | 43.5 | -7.5 | 2.00 H | 76 | 47.9 | -11.9 |
| 3 | 250.02 | 42.3 QP | 46.0 | -3.7 | 1.50 H | 35 | 51.2 | -8.9 |
| 4 | 375.15 | 32.7 QP | 46.0 | -13.3 | 1.00 H | 360 | 37.7 | -5.0 |
| 5 | 500.21 | 35.9 QP | 46.0 | -10.1 | 2.00 H | 12 | 37.9 | -2.0 |
| 6 | 625.02 | 35.1 QP | 46.0 | -10.9 | 1.00 H | 0 | 34.2 | 0.9 |
| 7 | 749.98 | 35.8 QP | 46.0 | -10.2 | 1.00 H | 343 | 32.5 | 3.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 128.3 QP | | | 1.06 V | 352 | 123.1 | 5.2 |
| 2 | 108.32 | 37.9 QP | 43.5 | -5.6 | 1.00 V | 50 | 48.7 | -10.8 |
| 3 | 146.68 | 31.0 QP | 43.5 | -12.5 | 1.50 V | 199 | 38.7 | -7.7 |
| 4 | 202.64 | 30.6 QP | 43.5 | -12.9 | 1.00 V | 142 | 41.5 | -10.9 |
| 5 | 249.45 | 36.2 QP | 46.0 | -9.8 | 1.50 V | 190 | 45.1 | -8.9 |
| 6 | 375.07 | 33.7 QP | 46.0 | -12.3 | 1.00 V | 290 | 38.7 | -5.0 |
| 7 | 500.17 | 38.1 QP | 46.0 | -7.9 | 2.00 V | 16 | 40.1 | -2.0 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 131.6 QP | | | 1.38 H | 353 | 126.3 | 5.3 |
| 2 | 101.88 | 35.6 QP | 43.5 | -7.9 | 2.00 H | 91 | 47.5 | -11.9 |
| 3 | 202.93 | 29.5 QP | 43.5 | -14.0 | 1.50 H | 113 | 40.4 | -10.9 |
| 4 | 250.02 | 42.3 QP | 46.0 | -3.7 | 1.50 H | 49 | 51.2 | -8.9 |
| 5 | 318.33 | 34.0 QP | 46.0 | -12.0 | 1.00 H | 275 | 40.2 | -6.2 |
| 6 | 500.21 | 37.1 QP | 46.0 | -8.9 | 2.00 H | 360 | 39.1 | -2.0 |
| 7 | 625.02 | 34.3 QP | 46.0 | -11.7 | 1.50 H | 16 | 33.4 | 0.9 |
| 8 | 928.00 | 62.8 QP | 111.6 | -48.8 | 1.38 H | 353 | 57.5 | 5.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 128.0 QP | | | 1.08 V | 353 | 122.7 | 5.3 |
| 2 | 101.79 | 36.2 QP | 43.5 | -7.3 | 1.00 V | 192 | 48.1 | -11.9 |
| 3 | 203.00 | 30.2 QP | 43.5 | -13.3 | 1.50 V | 151 | 41.1 | -10.9 |
| 4 | 249.93 | 42.4 QP | 46.0 | -3.6 | 1.00 V | 101 | 51.3 | -8.9 |
| 5 | 500.13 | 36.5 QP | 46.0 | -9.5 | 1.50 V | 60 | 38.5 | -2.0 |
| 6 | 624.93 | 34.0 QP | 46.0 | -12.0 | 1.50 V | 5 | 33.1 | 0.9 |
| 7 | 750.10 | 37.7 QP | 46.0 | -8.3 | 1.50 V | 7 | 34.4 | 3.3 |
| 8 | 928.00 | 61.8 QP | 108.0 | -46.2 | 1.08 V | 353 | 56.5 | 5.3 |

REMARKS:

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

Above 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|--------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 42.1 PK | 74.0 | -31.9 | 1.61 H | 98 | 44.1 | -2.0 |
| 2 | 2708.25 | 37.6 AV | 54.0 | -16.4 | 1.61 H | 98 | 39.6 | -2.0 |
| 3 | 3611.00 | 45.0 PK | 74.0 | -29.0 | 1.74 H | 136 | 45.7 | -0.7 |
| 4 | 3611.00 | 38.8 AV | 54.0 | -15.2 | 1.74 H | 136 | 39.5 | -0.7 |
| 5 | 4513.75 | 48.2 PK | 74.0 | -25.8 | 2.06 H | 156 | 47.4 | 0.8 |
| 6 | 4513.75 | 44.6 AV | 54.0 | -9.4 | 2.06 H | 156 | 43.8 | 0.8 |
| 7 | 5416.50 | 45.2 PK | 74.0 | -28.8 | 1.84 H | 307 | 42.7 | 2.5 |
| 8 | 5416.50 | 34.2 AV | 54.0 | -19.8 | 1.84 H | 307 | 31.7 | 2.5 |
| 9 | #7222.00 | 45.6 PK | 74.0 | -28.4 | 1.50 H | 230 | 37.7 | 7.9 |
| 10 | #7222.00 | 35.6 AV | 54.0 | -18.4 | 1.50 H | 230 | 27.7 | 7.9 |
| 11 | 8124.75 | 44.7 PK | 74.0 | -29.3 | 2.22 H | 90 | 36.0 | 8.7 |
| 12 | 8124.75 | 34.7 AV | 54.0 | -19.3 | 2.22 H | 90 | 26.0 | 8.7 |
| 13 | 9027.50 | 42.7 PK | 74.0 | -31.3 | 1.76 H | 20 | 33.4 | 9.3 |
| 14 | 9027.50 | 33.2 AV | 54.0 | -20.8 | 1.76 H | 20 | 23.9 | 9.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 41.7 PK | 74.0 | -32.3 | 1.65 V | 340 | 43.7 | -2.0 |
| 2 | 2708.25 | 37.4 AV | 54.0 | -16.6 | 1.65 V | 340 | 39.4 | -2.0 |
| 3 | 3611.00 | 42.2 PK | 74.0 | -31.8 | 1.39 V | 270 | 42.9 | -0.7 |
| 4 | 3611.00 | 33.3 AV | 54.0 | -20.7 | 1.39 V | 270 | 34.0 | -0.7 |
| 5 | 4513.75 | 52.4 PK | 74.0 | -21.6 | 1.52 V | 16 | 51.6 | 0.8 |
| 6 | 4513.75 | 43.7 AV | 54.0 | -10.3 | 1.52 V | 16 | 42.9 | 0.8 |
| 7 | 5416.50 | 41.4 PK | 74.0 | -32.6 | 1.50 V | 319 | 38.9 | 2.5 |
| 8 | 5416.50 | 30.3 AV | 54.0 | -23.7 | 1.50 V | 319 | 27.8 | 2.5 |
| 9 | #7222.00 | 48.5 PK | 74.0 | -25.5 | 1.39 V | 137 | 40.6 | 7.9 |
| 10 | #7222.00 | 36.2 AV | 54.0 | -17.8 | 1.39 V | 137 | 28.3 | 7.9 |
| 11 | 8124.75 | 44.0 PK | 74.0 | -30.0 | 1.99 V | 281 | 35.3 | 8.7 |
| 12 | 8124.75 | 32.9 AV | 54.0 | -21.1 | 1.99 V | 281 | 24.2 | 8.7 |
| 13 | 9027.50 | 49.0 PK | 74.0 | -25.0 | 1.34 V | 166 | 39.7 | 9.3 |
| 14 | 9027.50 | 38.3 AV | 54.0 | -15.7 | 1.34 V | 166 | 29.0 | 9.3 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 42.3 PK | 74.0 | -31.7 | 1.70 H | 100 | 44.2 | -1.9 |
| 2 | 2744.25 | 37.4 AV | 54.0 | -16.6 | 1.70 H | 100 | 39.3 | -1.9 |
| 3 | 3659.00 | 45.1 PK | 74.0 | -28.9 | 1.73 H | 133 | 45.7 | -0.6 |
| 4 | 3659.00 | 39.0 AV | 54.0 | -15.0 | 1.73 H | 133 | 39.6 | -0.6 |
| 5 | 4573.75 | 48.6 PK | 74.0 | -25.4 | 2.04 H | 162 | 47.5 | 1.1 |
| 6 | 4573.75 | 44.8 AV | 54.0 | -9.2 | 2.04 H | 162 | 43.7 | 1.1 |
| 7 | #5488.50 | 45.0 PK | 74.0 | -29.0 | 1.83 H | 284 | 42.5 | 2.5 |
| 8 | #5488.50 | 34.3 AV | 54.0 | -19.7 | 1.83 H | 284 | 31.8 | 2.5 |
| 9 | 7318.00 | 45.3 PK | 74.0 | -28.7 | 1.50 H | 233 | 37.5 | 7.8 |
| 10 | 7318.00 | 35.7 AV | 54.0 | -18.3 | 1.50 H | 233 | 27.9 | 7.8 |
| 11 | 8232.75 | 45.2 PK | 74.0 | -28.8 | 2.22 H | 91 | 37.0 | 8.2 |
| 12 | 8232.75 | 35.1 AV | 54.0 | -18.9 | 2.22 H | 91 | 26.9 | 8.2 |
| 13 | 9147.50 | 43.5 PK | 74.0 | -30.5 | 1.67 H | 26 | 33.7 | 9.8 |
| 14 | 9147.50 | 33.9 AV | 54.0 | -20.1 | 1.67 H | 26 | 24.1 | 9.8 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 41.4 PK | 74.0 | -32.6 | 1.63 V | 356 | 43.3 | -1.9 |
| 2 | 2744.25 | 36.7 AV | 54.0 | -17.3 | 1.63 V | 356 | 38.6 | -1.9 |
| 3 | 3659.00 | 42.3 PK | 74.0 | -31.7 | 1.39 V | 269 | 42.9 | -0.6 |
| 4 | 3659.00 | 33.6 AV | 54.0 | -20.4 | 1.39 V | 269 | 34.2 | -0.6 |
| 5 | 4573.75 | 51.8 PK | 74.0 | -22.2 | 1.54 V | 0 | 50.7 | 1.1 |
| 6 | 4573.75 | 43.2 AV | 54.0 | -10.8 | 1.54 V | 0 | 42.1 | 1.1 |
| 7 | #5488.50 | 42.0 PK | 74.0 | -32.0 | 1.58 V | 319 | 39.5 | 2.5 |
| 8 | #5488.50 | 31.2 AV | 54.0 | -22.8 | 1.58 V | 319 | 28.7 | 2.5 |
| 9 | 7318.00 | 48.9 PK | 74.0 | -25.1 | 1.41 V | 153 | 41.1 | 7.8 |
| 10 | 7318.00 | 36.8 AV | 54.0 | -17.2 | 1.41 V | 153 | 29.0 | 7.8 |
| 11 | 8232.75 | 44.7 PK | 74.0 | -29.3 | 1.99 V | 285 | 36.5 | 8.2 |
| 12 | 8232.75 | 33.3 AV | 54.0 | -20.7 | 1.99 V | 285 | 25.1 | 8.2 |
| 13 | 9147.50 | 49.1 PK | 74.0 | -24.9 | 1.35 V | 172 | 39.3 | 9.8 |
| 14 | 9147.50 | 38.2 AV | 54.0 | -15.8 | 1.35 V | 172 | 28.4 | 9.8 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 41.7 PK | 74.0 | -32.3 | 1.64 H | 109 | 43.7 | -2.0 |
| 2 | 2781.75 | 37.3 AV | 54.0 | -16.7 | 1.64 H | 109 | 39.3 | -2.0 |
| 3 | 3709.00 | 45.4 PK | 74.0 | -28.6 | 1.78 H | 127 | 45.9 | -0.5 |
| 4 | 3709.00 | 39.2 AV | 54.0 | -14.8 | 1.78 H | 127 | 39.7 | -0.5 |
| 5 | 4636.25 | 48.6 PK | 74.0 | -25.4 | 2.01 H | 168 | 47.2 | 1.4 |
| 6 | 4636.25 | 45.1 AV | 54.0 | -8.9 | 2.01 H | 168 | 43.7 | 1.4 |
| 7 | #5563.50 | 45.4 PK | 74.0 | -28.6 | 1.87 H | 312 | 42.6 | 2.8 |
| 8 | #5563.50 | 34.1 AV | 54.0 | -19.9 | 1.87 H | 312 | 31.3 | 2.8 |
| 9 | 7418.00 | 45.9 PK | 74.0 | -28.1 | 1.50 H | 244 | 37.9 | 8.0 |
| 10 | 7418.00 | 35.9 AV | 54.0 | -18.1 | 1.50 H | 244 | 27.9 | 8.0 |
| 11 | 8345.25 | 44.3 PK | 74.0 | -29.7 | 2.27 H | 90 | 36.0 | 8.3 |
| 12 | 8345.25 | 34.6 AV | 54.0 | -19.4 | 2.27 H | 90 | 26.3 | 8.3 |
| 13 | #9272.50 | 42.3 PK | 74.0 | -31.7 | 1.71 H | 20 | 32.0 | 10.3 |
| 14 | #9272.50 | 32.8 AV | 54.0 | -21.2 | 1.71 H | 20 | 22.5 | 10.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 41.4 PK | 74.0 | -32.6 | 1.66 V | 330 | 43.4 | -2.0 |
| 2 | 2781.75 | 36.6 AV | 54.0 | -17.4 | 1.66 V | 330 | 38.6 | -2.0 |
| 3 | 3709.00 | 41.5 PK | 74.0 | -32.5 | 1.36 V | 256 | 42.0 | -0.5 |
| 4 | 3709.00 | 32.9 AV | 54.0 | -21.1 | 1.36 V | 256 | 33.4 | -0.5 |
| 5 | 4636.25 | 51.8 PK | 74.0 | -22.2 | 1.52 V | 15 | 50.4 | 1.4 |
| 6 | 4636.25 | 43.5 AV | 54.0 | -10.5 | 1.52 V | 15 | 42.1 | 1.4 |
| 7 | #5563.50 | 42.1 PK | 74.0 | -31.9 | 1.50 V | 305 | 39.3 | 2.8 |
| 8 | #5563.50 | 31.1 AV | 54.0 | -22.9 | 1.50 V | 305 | 28.3 | 2.8 |
| 9 | 7418.00 | 48.7 PK | 74.0 | -25.3 | 1.43 V | 137 | 40.7 | 8.0 |
| 10 | 7418.00 | 36.7 AV | 54.0 | -17.3 | 1.43 V | 137 | 28.7 | 8.0 |
| 11 | 8345.25 | 44.4 PK | 74.0 | -29.6 | 1.92 V | 272 | 36.1 | 8.3 |
| 12 | 8345.25 | 33.4 AV | 54.0 | -20.6 | 1.92 V | 272 | 25.1 | 8.3 |
| 13 | #9272.50 | 48.1 PK | 74.0 | -25.9 | 1.35 V | 143 | 37.8 | 10.3 |
| 14 | #9272.50 | 37.6 AV | 54.0 | -16.4 | 1.35 V | 143 | 27.3 | 10.3 |

REMARKS:

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

4.1.8 Test Results (Mode 2)

Below 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|-----------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 131.6 QP | | | 1.38 H | 351 | 126.5 | 5.1 |
| 2 | 101.93 | 36.1 QP | 43.5 | -7.4 | 2.00 H | 96 | 48.0 | -11.9 |
| 3 | 198.13 | 28.6 QP | 43.5 | -14.9 | 1.50 H | 117 | 39.5 | -10.9 |
| 4 | 250.02 | 41.5 QP | 46.0 | -4.5 | 2.00 H | 37 | 50.4 | -8.9 |
| 5 | 375.00 | 35.1 QP | 46.0 | -10.9 | 1.00 H | 268 | 40.1 | -5.0 |
| 6 | 500.23 | 37.0 QP | 46.0 | -9.0 | 1.50 H | 360 | 39.0 | -2.0 |
| 7 | 625.02 | 33.4 QP | 46.0 | -12.6 | 1.50 H | 4 | 32.5 | 0.9 |
| 8 | 902.00 | 64.3 QP | 111.6 | -47.3 | 1.38 H | 351 | 59.2 | 5.1 |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 128.7 QP | | | 1.09 V | 355 | 123.6 | 5.1 |
| 2 | 108.84 | 37.0 QP | 43.5 | -6.5 | 1.00 V | 10 | 47.7 | -10.7 |
| 3 | 146.67 | 31.6 QP | 43.5 | -11.9 | 1.00 V | 249 | 39.3 | -7.7 |
| 4 | 202.95 | 30.9 QP | 43.5 | -12.6 | 1.00 V | 82 | 41.8 | -10.9 |
| 5 | 250.00 | 36.5 QP | 46.0 | -9.5 | 2.00 V | 135 | 45.4 | -8.9 |
| 6 | 375.00 | 34.4 QP | 46.0 | -11.6 | 1.50 V | 0 | 39.4 | -5.0 |
| 7 | 500.21 | 38.6 QP | 46.0 | -7.4 | 2.00 V | 306 | 40.6 | -2.0 |
| 8 | 902.00 | 61.3 QP | 108.7 | -47.4 | 1.09 V | 355 | 56.2 | 5.1 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 131.6 QP | | | 1.39 H | 354 | 126.4 | 5.2 |
| 2 | 101.93 | 35.9 QP | 43.5 | -7.6 | 2.00 H | 72 | 47.8 | -11.9 |
| 3 | 172.03 | 30.2 QP | 43.5 | -13.3 | 1.50 H | 235 | 38.7 | -8.5 |
| 4 | 250.02 | 42.6 QP | 46.0 | -3.4 | 2.00 H | 31 | 51.5 | -8.9 |
| 5 | 375.15 | 32.1 QP | 46.0 | -13.9 | 1.00 H | 244 | 37.1 | -5.0 |
| 6 | 500.21 | 36.4 QP | 46.0 | -9.6 | 2.00 H | 360 | 38.4 | -2.0 |
| 7 | 625.02 | 33.0 QP | 46.0 | -13.0 | 1.50 H | 8 | 32.1 | 0.9 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 128.6 QP | | | 1.09 V | 344 | 123.4 | 5.2 |
| 2 | 108.74 | 37.2 QP | 43.5 | -6.3 | 1.00 V | 50 | 48.0 | -10.8 |
| 3 | 146.66 | 31.4 QP | 43.5 | -12.1 | 1.50 V | 219 | 39.1 | -7.7 |
| 4 | 202.92 | 31.1 QP | 43.5 | -12.4 | 1.20 V | 52 | 42.0 | -10.9 |
| 5 | 249.82 | 36.9 QP | 46.0 | -9.1 | 1.50 V | 105 | 45.8 | -8.9 |
| 6 | 375.04 | 34.2 QP | 46.0 | -11.8 | 1.00 V | 8 | 39.2 | -5.0 |
| 7 | 500.23 | 38.5 QP | 46.0 | -7.5 | 2.00 V | 336 | 40.5 | -2.0 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 131.4 QP | | | 1.37 H | 352 | 126.1 | 5.3 |
| 2 | 101.90 | 35.9 QP | 43.5 | -7.6 | 2.00 H | 78 | 47.8 | -11.9 |
| 3 | 202.15 | 28.9 QP | 43.5 | -14.6 | 1.50 H | 119 | 39.8 | -10.9 |
| 4 | 250.02 | 42.2 QP | 46.0 | -3.8 | 1.50 H | 40 | 51.1 | -8.9 |
| 5 | 375.05 | 32.9 QP | 46.0 | -13.1 | 1.00 H | 264 | 37.9 | -5.0 |
| 6 | 500.18 | 37.4 QP | 46.0 | -8.6 | 1.50 H | 360 | 39.4 | -2.0 |
| 7 | 625.02 | 32.8 QP | 46.0 | -13.2 | 1.00 H | 0 | 31.9 | 0.9 |
| 8 | 749.98 | 35.8 QP | 46.0 | -10.2 | 1.00 H | 12 | 32.5 | 3.3 |
| 9 | 928.00 | 62.2 QP | 111.4 | -49.2 | 1.37 H | 352 | 56.9 | 5.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 128.2 QP | | | 1.10 V | 355 | 122.9 | 5.3 |
| 2 | 108.72 | 37.4 QP | 43.5 | -6.1 | 1.50 V | 30 | 48.2 | -10.8 |
| 3 | 146.86 | 31.2 QP | 43.5 | -12.3 | 1.00 V | 249 | 38.9 | -7.7 |
| 4 | 202.94 | 30.9 QP | 43.5 | -12.6 | 1.50 V | 32 | 41.8 | -10.9 |
| 5 | 249.85 | 36.7 QP | 46.0 | -9.3 | 1.50 V | 4 | 45.6 | -8.9 |
| 6 | 375.06 | 33.9 QP | 46.0 | -12.1 | 1.00 V | 6 | 38.9 | -5.0 |
| 7 | 500.20 | 38.7 QP | 46.0 | -7.3 | 2.00 V | 156 | 40.7 | -2.0 |
| 8 | 928.00 | 61.9 QP | 108.2 | -46.3 | 1.10 V | 355 | 56.6 | 5.3 |

REMARKS:

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

Above 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|--------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 42.0 PK | 74.0 | -32.0 | 1.62 H | 87 | 44.0 | -2.0 |
| 2 | 2708.25 | 37.7 AV | 54.0 | -16.3 | 1.62 H | 87 | 39.7 | -2.0 |
| 3 | 3611.00 | 45.0 PK | 74.0 | -29.0 | 1.76 H | 121 | 45.7 | -0.7 |
| 4 | 3611.00 | 38.9 AV | 54.0 | -15.1 | 1.76 H | 121 | 39.6 | -0.7 |
| 5 | 4513.75 | 48.8 PK | 74.0 | -25.2 | 2.08 H | 155 | 48.0 | 0.8 |
| 6 | 4513.75 | 45.2 AV | 54.0 | -8.8 | 2.08 H | 155 | 44.4 | 0.8 |
| 7 | 5416.50 | 45.4 PK | 74.0 | -28.6 | 1.89 H | 306 | 42.9 | 2.5 |
| 8 | 5416.50 | 34.7 AV | 54.0 | -19.3 | 1.89 H | 306 | 32.2 | 2.5 |
| 9 | #7222.00 | 45.3 PK | 74.0 | -28.7 | 1.49 H | 208 | 37.4 | 7.9 |
| 10 | #7222.00 | 35.5 AV | 54.0 | -18.5 | 1.49 H | 208 | 27.6 | 7.9 |
| 11 | 8124.75 | 44.4 PK | 74.0 | -29.6 | 2.25 H | 90 | 35.7 | 8.7 |
| 12 | 8124.75 | 34.3 AV | 54.0 | -19.7 | 2.25 H | 90 | 25.6 | 8.7 |
| 13 | 9027.50 | 43.2 PK | 74.0 | -30.8 | 1.77 H | 29 | 33.9 | 9.3 |
| 14 | 9027.50 | 34.0 AV | 54.0 | -20.0 | 1.77 H | 29 | 24.7 | 9.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 41.3 PK | 74.0 | -32.7 | 1.61 V | 360 | 43.3 | -2.0 |
| 2 | 2708.25 | 36.7 AV | 54.0 | -17.3 | 1.61 V | 360 | 38.7 | -2.0 |
| 3 | 3611.00 | 41.6 PK | 74.0 | -32.4 | 1.39 V | 263 | 42.3 | -0.7 |
| 4 | 3611.00 | 33.3 AV | 54.0 | -20.7 | 1.39 V | 263 | 34.0 | -0.7 |
| 5 | 4513.75 | 51.6 PK | 74.0 | -22.4 | 1.53 V | 11 | 50.8 | 0.8 |
| 6 | 4513.75 | 43.6 AV | 54.0 | -10.4 | 1.53 V | 11 | 42.8 | 0.8 |
| 7 | 5416.50 | 41.8 PK | 74.0 | -32.2 | 1.51 V | 303 | 39.3 | 2.5 |
| 8 | 5416.50 | 30.9 AV | 54.0 | -23.1 | 1.51 V | 303 | 28.4 | 2.5 |
| 9 | #7222.00 | 49.0 PK | 74.0 | -25.0 | 1.51 V | 161 | 41.1 | 7.9 |
| 10 | #7222.00 | 36.7 AV | 54.0 | -17.3 | 1.51 V | 161 | 28.8 | 7.9 |
| 11 | 8124.75 | 43.9 PK | 74.0 | -30.1 | 2.04 V | 283 | 35.2 | 8.7 |
| 12 | 8124.75 | 32.9 AV | 54.0 | -21.1 | 2.04 V | 283 | 24.2 | 8.7 |
| 13 | 9027.50 | 47.5 PK | 74.0 | -26.5 | 1.48 V | 168 | 38.2 | 9.3 |
| 14 | 9027.50 | 37.1 AV | 54.0 | -16.9 | 1.48 V | 168 | 27.8 | 9.3 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 42.4 PK | 74.0 | -31.6 | 1.64 H | 75 | 44.3 | -1.9 |
| 2 | 2744.25 | 37.9 AV | 54.0 | -16.1 | 1.64 H | 75 | 39.8 | -1.9 |
| 3 | 3659.00 | 44.8 PK | 74.0 | -29.2 | 1.71 H | 114 | 45.4 | -0.6 |
| 4 | 3659.00 | 38.8 AV | 54.0 | -15.2 | 1.71 H | 114 | 39.4 | -0.6 |
| 5 | 4573.75 | 49.1 PK | 74.0 | -24.9 | 2.11 H | 159 | 48.0 | 1.1 |
| 6 | 4573.75 | 45.2 AV | 54.0 | -8.8 | 2.11 H | 159 | 44.1 | 1.1 |
| 7 | #5488.50 | 45.1 PK | 74.0 | -28.9 | 1.85 H | 296 | 42.6 | 2.5 |
| 8 | #5488.50 | 34.2 AV | 54.0 | -19.8 | 1.85 H | 296 | 31.7 | 2.5 |
| 9 | 7318.00 | 44.8 PK | 74.0 | -29.2 | 1.55 H | 193 | 37.0 | 7.8 |
| 10 | 7318.00 | 35.3 AV | 54.0 | -18.7 | 1.55 H | 193 | 27.5 | 7.8 |
| 11 | 8232.75 | 44.9 PK | 74.0 | -29.1 | 2.21 H | 93 | 36.7 | 8.2 |
| 12 | 8232.75 | 34.5 AV | 54.0 | -19.5 | 2.21 H | 93 | 26.3 | 8.2 |
| 13 | 9147.50 | 43.0 PK | 74.0 | -31.0 | 1.81 H | 15 | 33.2 | 9.8 |
| 14 | 9147.50 | 33.7 AV | 54.0 | -20.3 | 1.81 H | 15 | 23.9 | 9.8 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 41.2 PK | 74.0 | -32.8 | 1.64 V | 352 | 43.1 | -1.9 |
| 2 | 2744.25 | 36.8 AV | 54.0 | -17.2 | 1.64 V | 352 | 38.7 | -1.9 |
| 3 | 3659.00 | 41.9 PK | 74.0 | -32.1 | 1.36 V | 255 | 42.5 | -0.6 |
| 4 | 3659.00 | 33.4 AV | 54.0 | -20.6 | 1.36 V | 255 | 34.0 | -0.6 |
| 5 | 4573.75 | 51.8 PK | 74.0 | -22.2 | 1.58 V | 19 | 50.7 | 1.1 |
| 6 | 4573.75 | 43.6 AV | 54.0 | -10.4 | 1.58 V | 19 | 42.5 | 1.1 |
| 7 | #5488.50 | 41.8 PK | 74.0 | -32.2 | 1.51 V | 306 | 39.3 | 2.5 |
| 8 | #5488.50 | 30.8 AV | 54.0 | -23.2 | 1.51 V | 306 | 28.3 | 2.5 |
| 9 | 7318.00 | 48.7 PK | 74.0 | -25.3 | 1.46 V | 158 | 40.9 | 7.8 |
| 10 | 7318.00 | 36.4 AV | 54.0 | -17.6 | 1.46 V | 158 | 28.6 | 7.8 |
| 11 | 8232.75 | 44.0 PK | 74.0 | -30.0 | 2.02 V | 285 | 35.8 | 8.2 |
| 12 | 8232.75 | 33.1 AV | 54.0 | -20.9 | 2.02 V | 285 | 24.9 | 8.2 |
| 13 | 9147.50 | 47.9 PK | 74.0 | -26.1 | 1.44 V | 167 | 38.1 | 9.8 |
| 14 | 9147.50 | 37.3 AV | 54.0 | -16.7 | 1.44 V | 167 | 27.5 | 9.8 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 42.2 PK | 74.0 | -31.8 | 1.66 H | 90 | 44.2 | -2.0 |
| 2 | 2781.75 | 37.6 AV | 54.0 | -16.4 | 1.66 H | 90 | 39.6 | -2.0 |
| 3 | 3709.00 | 45.5 PK | 74.0 | -28.5 | 1.76 H | 129 | 46.0 | -0.5 |
| 4 | 3709.00 | 39.3 AV | 54.0 | -14.7 | 1.76 H | 129 | 39.8 | -0.5 |
| 5 | 4636.25 | 48.5 PK | 74.0 | -25.5 | 2.03 H | 153 | 47.1 | 1.4 |
| 6 | 4636.25 | 44.8 AV | 54.0 | -9.2 | 2.03 H | 153 | 43.4 | 1.4 |
| 7 | #5563.50 | 45.2 PK | 74.0 | -28.8 | 1.85 H | 297 | 42.4 | 2.8 |
| 8 | #5563.50 | 34.5 AV | 54.0 | -19.5 | 1.85 H | 297 | 31.7 | 2.8 |
| 9 | 7418.00 | 45.0 PK | 74.0 | -29.0 | 1.45 H | 223 | 37.0 | 8.0 |
| 10 | 7418.00 | 35.3 AV | 54.0 | -18.7 | 1.45 H | 223 | 27.3 | 8.0 |
| 11 | 8345.25 | 45.0 PK | 74.0 | -29.0 | 2.22 H | 86 | 36.7 | 8.3 |
| 12 | 8345.25 | 34.7 AV | 54.0 | -19.3 | 2.22 H | 86 | 26.4 | 8.3 |
| 13 | #9272.50 | 43.1 PK | 74.0 | -30.9 | 1.72 H | 35 | 32.8 | 10.3 |
| 14 | #9272.50 | 33.7 AV | 54.0 | -20.3 | 1.72 H | 35 | 23.4 | 10.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 41.5 PK | 74.0 | -32.5 | 1.67 V | 341 | 43.5 | -2.0 |
| 2 | 2781.75 | 37.0 AV | 54.0 | -17.0 | 1.67 V | 341 | 39.0 | -2.0 |
| 3 | 3709.00 | 42.0 PK | 74.0 | -32.0 | 1.39 V | 269 | 42.5 | -0.5 |
| 4 | 3709.00 | 33.3 AV | 54.0 | -20.7 | 1.39 V | 269 | 33.8 | -0.5 |
| 5 | 4636.25 | 51.8 PK | 74.0 | -22.2 | 1.56 V | 10 | 50.4 | 1.4 |
| 6 | 4636.25 | 43.3 AV | 54.0 | -10.7 | 1.56 V | 10 | 41.9 | 1.4 |
| 7 | #5563.50 | 41.7 PK | 74.0 | -32.3 | 1.52 V | 308 | 38.9 | 2.8 |
| 8 | #5563.50 | 30.8 AV | 54.0 | -23.2 | 1.52 V | 308 | 28.0 | 2.8 |
| 9 | 7418.00 | 48.9 PK | 74.0 | -25.1 | 1.42 V | 147 | 40.9 | 8.0 |
| 10 | 7418.00 | 36.6 AV | 54.0 | -17.4 | 1.42 V | 147 | 28.6 | 8.0 |
| 11 | 8345.25 | 44.5 PK | 74.0 | -29.5 | 1.96 V | 284 | 36.2 | 8.3 |
| 12 | 8345.25 | 33.3 AV | 54.0 | -20.7 | 1.96 V | 284 | 25.0 | 8.3 |
| 13 | #9272.50 | 48.5 PK | 74.0 | -25.5 | 1.38 V | 158 | 38.2 | 10.3 |
| 14 | #9272.50 | 37.8 AV | 54.0 | -16.2 | 1.38 V | 158 | 27.5 | 10.3 |

REMARKS:

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

4.1.9 Test Results (Mode 3)

Below 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|-----------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 131.6 QP | | | 1.35 H | 348 | 126.5 | 5.1 |
| 2 | 101.93 | 36.1 QP | 43.5 | -7.4 | 2.00 H | 76 | 48.0 | -11.9 |
| 3 | 250.02 | 41.7 QP | 46.0 | -4.3 | 1.50 H | 54 | 50.6 | -8.9 |
| 4 | 303.20 | 35.5 QP | 46.0 | -10.5 | 1.00 H | 141 | 42.3 | -6.8 |
| 5 | 375.00 | 33.2 QP | 46.0 | -12.8 | 1.00 H | 260 | 38.2 | -5.0 |
| 6 | 500.21 | 37.3 QP | 46.0 | -8.7 | 1.50 H | 360 | 39.3 | -2.0 |
| 7 | 750.01 | 36.8 QP | 46.0 | -9.2 | 1.00 H | 0 | 33.5 | 3.3 |
| 8 | 902.00 | 62.2 QP | 111.6 | -49.4 | 1.35 H | 348 | 57.1 | 5.1 |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 128.5 QP | | | 1.08 V | 355 | 123.4 | 5.1 |
| 2 | 101.70 | 36.4 QP | 43.5 | -7.1 | 1.00 V | 122 | 48.3 | -11.9 |
| 3 | 202.80 | 30.0 QP | 43.5 | -13.5 | 1.50 V | 121 | 40.9 | -10.9 |
| 4 | 249.84 | 42.5 QP | 46.0 | -3.5 | 1.50 V | 171 | 51.4 | -8.9 |
| 5 | 500.02 | 36.3 QP | 46.0 | -9.7 | 1.00 V | 90 | 38.3 | -2.0 |
| 6 | 625.05 | 34.3 QP | 46.0 | -11.7 | 2.00 V | 260 | 33.4 | 0.9 |
| 7 | 749.93 | 37.5 QP | 46.0 | -8.5 | 1.50 V | 50 | 34.2 | 3.3 |
| 8 | 902.00 | 61.9 QP | 108.5 | -46.6 | 1.08 V | 355 | 56.8 | 5.1 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 131.4 QP | | | 1.37 H | 352 | 126.2 | 5.2 |
| 2 | 101.88 | 35.3 QP | 43.5 | -8.2 | 2.00 H | 63 | 47.2 | -11.9 |
| 3 | 202.90 | 30.0 QP | 43.5 | -13.5 | 1.00 H | 130 | 40.9 | -10.9 |
| 4 | 250.00 | 42.0 QP | 46.0 | -4.0 | 2.00 H | 27 | 50.9 | -8.9 |
| 5 | 375.15 | 32.5 QP | 46.0 | -13.5 | 2.00 H | 53 | 37.5 | -5.0 |
| 6 | 500.23 | 36.7 QP | 46.0 | -9.3 | 2.00 H | 360 | 38.7 | -2.0 |
| 7 | 749.98 | 36.3 QP | 46.0 | -9.7 | 1.00 H | 9 | 33.0 | 3.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 128.5 QP | | | 1.07 V | 352 | 123.3 | 5.2 |
| 2 | 101.90 | 36.2 QP | 43.5 | -7.3 | 1.00 V | 102 | 48.1 | -11.9 |
| 3 | 202.84 | 30.5 QP | 43.5 | -13.0 | 2.00 V | 81 | 41.4 | -10.9 |
| 4 | 249.94 | 42.3 QP | 46.0 | -3.7 | 1.00 V | 201 | 51.2 | -8.9 |
| 5 | 499.99 | 36.5 QP | 46.0 | -9.5 | 1.50 V | 320 | 38.5 | -2.0 |
| 6 | 625.03 | 34.1 QP | 46.0 | -11.9 | 1.50 V | 242 | 33.2 | 0.9 |
| 7 | 749.95 | 37.3 QP | 46.0 | -8.7 | 1.50 V | 110 | 34.0 | 3.3 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 131.7 QP | | | 1.37 H | 352 | 126.4 | 5.3 |
| 2 | 101.90 | 36.3 QP | 43.5 | -7.2 | 2.00 H | 81 | 48.2 | -11.9 |
| 3 | 202.20 | 29.4 QP | 43.5 | -14.1 | 1.50 H | 125 | 40.3 | -10.9 |
| 4 | 250.02 | 42.0 QP | 46.0 | -4.0 | 1.50 H | 40 | 50.9 | -8.9 |
| 5 | 375.00 | 33.2 QP | 46.0 | -12.8 | 1.00 H | 246 | 38.2 | -5.0 |
| 6 | 500.21 | 37.2 QP | 46.0 | -8.8 | 1.50 H | 360 | 39.2 | -2.0 |
| 7 | 750.03 | 36.2 QP | 46.0 | -9.8 | 1.00 H | 10 | 32.9 | 3.3 |
| 8 | 928.00 | 62.3 QP | 111.7 | -49.4 | 1.37 H | 352 | 57.0 | 5.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 128.4 QP | | | 1.11 V | 351 | 123.1 | 5.3 |
| 2 | 101.91 | 36.2 QP | 43.5 | -7.3 | 1.50 V | 95 | 48.1 | -11.9 |
| 3 | 202.83 | 30.8 QP | 43.5 | -12.7 | 2.00 V | 78 | 41.7 | -10.9 |
| 4 | 250.24 | 42.2 QP | 46.0 | -3.8 | 1.00 V | 101 | 51.1 | -8.9 |
| 5 | 500.19 | 36.3 QP | 46.0 | -9.7 | 1.50 V | 10 | 38.3 | -2.0 |
| 6 | 625.03 | 33.9 QP | 46.0 | -12.1 | 1.00 V | 212 | 33.0 | 0.9 |
| 7 | 749.97 | 37.5 QP | 46.0 | -8.5 | 1.50 V | 140 | 34.2 | 3.3 |
| 8 | 928.00 | 61.9 QP | 108.4 | -46.5 | 1.11 V | 351 | 56.6 | 5.3 |

REMARKS:

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

Above 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|--------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 41.8 PK | 74.0 | -32.2 | 1.63 H | 100 | 43.8 | -2.0 |
| 2 | 2708.25 | 37.5 AV | 54.0 | -16.5 | 1.63 H | 100 | 39.5 | -2.0 |
| 3 | 3611.00 | 45.4 PK | 74.0 | -28.6 | 1.69 H | 120 | 46.1 | -0.7 |
| 4 | 3611.00 | 38.9 AV | 54.0 | -15.1 | 1.69 H | 120 | 39.6 | -0.7 |
| 5 | 4513.75 | 48.3 PK | 74.0 | -25.7 | 2.06 H | 166 | 47.5 | 0.8 |
| 6 | 4513.75 | 44.9 AV | 54.0 | -9.1 | 2.06 H | 166 | 44.1 | 0.8 |
| 7 | 5416.50 | 45.4 PK | 74.0 | -28.6 | 1.85 H | 297 | 42.9 | 2.5 |
| 8 | 5416.50 | 34.5 AV | 54.0 | -19.5 | 1.85 H | 297 | 32.0 | 2.5 |
| 9 | #7222.00 | 45.1 PK | 74.0 | -28.9 | 1.49 H | 237 | 37.2 | 7.9 |
| 10 | #7222.00 | 35.2 AV | 54.0 | -18.8 | 1.49 H | 237 | 27.3 | 7.9 |
| 11 | 8124.75 | 44.1 PK | 74.0 | -29.9 | 2.19 H | 74 | 35.4 | 8.7 |
| 12 | 8124.75 | 34.3 AV | 54.0 | -19.7 | 2.19 H | 74 | 25.6 | 8.7 |
| 13 | 9027.50 | 42.8 PK | 74.0 | -31.2 | 1.74 H | 6 | 33.5 | 9.3 |
| 14 | 9027.50 | 33.2 AV | 54.0 | -20.8 | 1.74 H | 6 | 23.9 | 9.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 41.4 PK | 74.0 | -32.6 | 1.70 V | 332 | 43.4 | -2.0 |
| 2 | 2708.25 | 37.1 AV | 54.0 | -16.9 | 1.70 V | 332 | 39.1 | -2.0 |
| 3 | 3611.00 | 42.6 PK | 74.0 | -31.4 | 1.42 V | 267 | 43.3 | -0.7 |
| 4 | 3611.00 | 33.7 AV | 54.0 | -20.3 | 1.42 V | 267 | 34.4 | -0.7 |
| 5 | 4513.75 | 52.5 PK | 74.0 | -21.5 | 1.52 V | 13 | 51.7 | 0.8 |
| 6 | 4513.75 | 44.0 AV | 54.0 | -10.0 | 1.52 V | 13 | 43.2 | 0.8 |
| 7 | 5416.50 | 41.2 PK | 74.0 | -32.8 | 1.47 V | 324 | 38.7 | 2.5 |
| 8 | 5416.50 | 30.2 AV | 54.0 | -23.8 | 1.47 V | 324 | 27.7 | 2.5 |
| 9 | #7222.00 | 48.9 PK | 74.0 | -25.1 | 1.37 V | 148 | 41.0 | 7.9 |
| 10 | #7222.00 | 36.6 AV | 54.0 | -17.4 | 1.37 V | 148 | 28.7 | 7.9 |
| 11 | 8124.75 | 43.9 PK | 74.0 | -30.1 | 1.98 V | 287 | 35.2 | 8.7 |
| 12 | 8124.75 | 33.0 AV | 54.0 | -21.0 | 1.98 V | 287 | 24.3 | 8.7 |
| 13 | 9027.50 | 49.3 PK | 74.0 | -24.7 | 1.32 V | 164 | 40.0 | 9.3 |
| 14 | 9027.50 | 38.5 AV | 54.0 | -15.5 | 1.32 V | 164 | 29.2 | 9.3 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 41.7 PK | 74.0 | -32.3 | 1.63 H | 93 | 43.6 | -1.9 |
| 2 | 2744.25 | 37.5 AV | 54.0 | -16.5 | 1.63 H | 93 | 39.4 | -1.9 |
| 3 | 3659.00 | 45.1 PK | 74.0 | -28.9 | 1.75 H | 131 | 45.7 | -0.6 |
| 4 | 3659.00 | 38.9 AV | 54.0 | -15.1 | 1.75 H | 131 | 39.5 | -0.6 |
| 5 | 4573.75 | 47.9 PK | 74.0 | -26.1 | 2.03 H | 160 | 46.8 | 1.1 |
| 6 | 4573.75 | 44.6 AV | 54.0 | -9.4 | 2.03 H | 160 | 43.5 | 1.1 |
| 7 | #5488.50 | 45.1 PK | 74.0 | -28.9 | 1.89 H | 291 | 42.6 | 2.5 |
| 8 | #5488.50 | 34.2 AV | 54.0 | -19.8 | 1.89 H | 291 | 31.7 | 2.5 |
| 9 | 7318.00 | 45.1 PK | 74.0 | -28.9 | 1.46 H | 241 | 37.3 | 7.8 |
| 10 | 7318.00 | 35.1 AV | 54.0 | -18.9 | 1.46 H | 241 | 27.3 | 7.8 |
| 11 | 8232.75 | 44.7 PK | 74.0 | -29.3 | 2.24 H | 77 | 36.5 | 8.2 |
| 12 | 8232.75 | 34.7 AV | 54.0 | -19.3 | 2.24 H | 77 | 26.5 | 8.2 |
| 13 | 9147.50 | 43.3 PK | 74.0 | -30.7 | 1.74 H | 28 | 33.5 | 9.8 |
| 14 | 9147.50 | 33.7 AV | 54.0 | -20.3 | 1.74 H | 28 | 23.9 | 9.8 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 41.5 PK | 74.0 | -32.5 | 1.64 V | 330 | 43.4 | -1.9 |
| 2 | 2744.25 | 37.1 AV | 54.0 | -16.9 | 1.64 V | 330 | 39.0 | -1.9 |
| 3 | 3659.00 | 42.3 PK | 74.0 | -31.7 | 1.40 V | 259 | 42.9 | -0.6 |
| 4 | 3659.00 | 33.1 AV | 54.0 | -20.9 | 1.40 V | 259 | 33.7 | -0.6 |
| 5 | 4573.75 | 52.0 PK | 74.0 | -22.0 | 1.57 V | 4 | 50.9 | 1.1 |
| 6 | 4573.75 | 43.3 AV | 54.0 | -10.7 | 1.57 V | 4 | 42.2 | 1.1 |
| 7 | #5488.50 | 41.6 PK | 74.0 | -32.4 | 1.51 V | 306 | 39.1 | 2.5 |
| 8 | #5488.50 | 30.4 AV | 54.0 | -23.6 | 1.51 V | 306 | 27.9 | 2.5 |
| 9 | 7318.00 | 48.1 PK | 74.0 | -25.9 | 1.38 V | 146 | 40.3 | 7.8 |
| 10 | 7318.00 | 36.1 AV | 54.0 | -17.9 | 1.38 V | 146 | 28.3 | 7.8 |
| 11 | 8232.75 | 43.8 PK | 74.0 | -30.2 | 2.01 V | 267 | 35.6 | 8.2 |
| 12 | 8232.75 | 32.8 AV | 54.0 | -21.2 | 2.01 V | 267 | 24.6 | 8.2 |
| 13 | 9147.50 | 49.2 PK | 74.0 | -24.8 | 1.30 V | 177 | 39.4 | 9.8 |
| 14 | 9147.50 | 38.7 AV | 54.0 | -15.3 | 1.30 V | 177 | 28.9 | 9.8 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 42.6 PK | 74.0 | -31.4 | 1.63 H | 95 | 44.6 | -2.0 |
| 2 | 2781.75 | 38.0 AV | 54.0 | -16.0 | 1.63 H | 95 | 40.0 | -2.0 |
| 3 | 3709.00 | 45.4 PK | 74.0 | -28.6 | 1.72 H | 141 | 45.9 | -0.5 |
| 4 | 3709.00 | 39.3 AV | 54.0 | -14.7 | 1.72 H | 141 | 39.8 | -0.5 |
| 5 | 4636.25 | 47.4 PK | 74.0 | -26.6 | 2.03 H | 162 | 46.0 | 1.4 |
| 6 | 4636.25 | 44.1 AV | 54.0 | -9.9 | 2.03 H | 162 | 42.7 | 1.4 |
| 7 | #5563.50 | 44.8 PK | 74.0 | -29.2 | 1.84 H | 322 | 42.0 | 2.8 |
| 8 | #5563.50 | 33.9 AV | 54.0 | -20.1 | 1.84 H | 322 | 31.1 | 2.8 |
| 9 | 7418.00 | 45.3 PK | 74.0 | -28.7 | 1.47 H | 238 | 37.3 | 8.0 |
| 10 | 7418.00 | 35.5 AV | 54.0 | -18.5 | 1.47 H | 238 | 27.5 | 8.0 |
| 11 | 8345.25 | 44.1 PK | 74.0 | -29.9 | 2.24 H | 91 | 35.8 | 8.3 |
| 12 | 8345.25 | 34.4 AV | 54.0 | -19.6 | 2.24 H | 91 | 26.1 | 8.3 |
| 13 | #9272.50 | 42.4 PK | 74.0 | -31.6 | 1.78 H | 31 | 32.1 | 10.3 |
| 14 | #9272.50 | 33.1 AV | 54.0 | -20.9 | 1.78 H | 31 | 22.8 | 10.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 41.4 PK | 74.0 | -32.6 | 1.62 V | 325 | 43.4 | -2.0 |
| 2 | 2781.75 | 37.0 AV | 54.0 | -17.0 | 1.62 V | 325 | 39.0 | -2.0 |
| 3 | 3709.00 | 42.0 PK | 74.0 | -32.0 | 1.38 V | 254 | 42.5 | -0.5 |
| 4 | 3709.00 | 33.0 AV | 54.0 | -21.0 | 1.38 V | 254 | 33.5 | -0.5 |
| 5 | 4636.25 | 52.0 PK | 74.0 | -22.0 | 1.52 V | 23 | 50.6 | 1.4 |
| 6 | 4636.25 | 43.3 AV | 54.0 | -10.7 | 1.52 V | 23 | 41.9 | 1.4 |
| 7 | #5563.50 | 40.9 PK | 74.0 | -33.1 | 1.54 V | 332 | 38.1 | 2.8 |
| 8 | #5563.50 | 30.1 AV | 54.0 | -23.9 | 1.54 V | 332 | 27.3 | 2.8 |
| 9 | 7418.00 | 48.2 PK | 74.0 | -25.8 | 1.39 V | 153 | 40.2 | 8.0 |
| 10 | 7418.00 | 36.1 AV | 54.0 | -17.9 | 1.39 V | 153 | 28.1 | 8.0 |
| 11 | 8345.25 | 44.7 PK | 74.0 | -29.3 | 2.02 V | 289 | 36.4 | 8.3 |
| 12 | 8345.25 | 33.4 AV | 54.0 | -20.6 | 2.02 V | 289 | 25.1 | 8.3 |
| 13 | #9272.50 | 49.4 PK | 74.0 | -24.6 | 1.32 V | 181 | 39.1 | 10.3 |
| 14 | #9272.50 | 38.7 AV | 54.0 | -15.3 | 1.32 V | 181 | 28.4 | 10.3 |

REMARKS:

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

4.1.10 Test Results (Mode 4)

Below 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|-----------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 124.3 QP | | | 1.33 H | 332 | 119.2 | 5.1 |
| 2 | 108.04 | 30.8 QP | 43.5 | -12.7 | 1.50 H | 270 | 41.7 | -10.9 |
| 3 | 157.53 | 27.4 QP | 43.5 | -16.1 | 1.50 H | 289 | 35.0 | -7.6 |
| 4 | 250.02 | 35.7 QP | 46.0 | -10.3 | 1.00 H | 128 | 44.6 | -8.9 |
| 5 | 333.00 | 32.0 QP | 46.0 | -14.0 | 1.00 H | 61 | 37.8 | -5.8 |
| 6 | 375.17 | 37.8 QP | 46.0 | -8.2 | 1.50 H | 360 | 42.8 | -5.0 |
| 7 | 500.23 | 31.1 QP | 46.0 | -14.9 | 1.00 H | 221 | 33.1 | -2.0 |
| 8 | 902.00 | 55.2 QP | 104.3 | -49.1 | 1.33 H | 332 | 50.1 | 5.1 |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 124.3 QP | | | 1.02 V | 19 | 119.2 | 5.1 |
| 2 | 107.38 | 30.7 QP | 43.5 | -12.8 | 1.50 V | 360 | 41.7 | -11.0 |
| 3 | 154.26 | 29.7 QP | 43.5 | -13.8 | 1.00 V | 96 | 37.3 | -7.6 |
| 4 | 250.07 | 31.6 QP | 46.0 | -14.4 | 1.50 V | 360 | 40.5 | -8.9 |
| 5 | 375.15 | 35.3 QP | 46.0 | -10.7 | 1.50 V | 99 | 40.3 | -5.0 |
| 6 | 500.21 | 33.8 QP | 46.0 | -12.2 | 1.00 V | 268 | 35.8 | -2.0 |
| 7 | 77.21 | 33.5 QP | 40.0 | -6.5 | 1.50 V | 360 | 45.4 | -11.9 |
| 8 | 902.00 | 55.0 QP | 104.3 | -49.3 | 1.02 V | 19 | 49.9 | 5.1 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 125.0 QP | | | 1.34 H | 332 | 119.8 | 5.2 |
| 2 | 108.79 | 33.8 QP | 43.5 | -9.7 | 2.00 H | 253 | 44.6 | -10.8 |
| 3 | 161.36 | 29.5 QP | 43.5 | -14.0 | 1.50 H | 237 | 37.5 | -8.0 |
| 4 | 250.04 | 31.5 QP | 46.0 | -14.5 | 1.00 H | 297 | 40.4 | -8.9 |
| 5 | 317.75 | 31.7 QP | 46.0 | -14.3 | 1.00 H | 26 | 37.9 | -6.2 |
| 6 | 375.17 | 32.9 QP | 46.0 | -13.1 | 1.00 H | 2 | 37.9 | -5.0 |
| 7 | 500.21 | 30.9 QP | 46.0 | -15.1 | 1.50 H | 360 | 32.9 | -2.0 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 124.8 QP | | | 1.03 V | 16 | 119.6 | 5.2 |
| 2 | 77.21 | 33.6 QP | 40.0 | -6.4 | 1.00 V | 360 | 45.5 | -11.9 |
| 3 | 107.33 | 30.7 QP | 43.5 | -12.8 | 2.00 V | 360 | 41.7 | -11.0 |
| 4 | 154.26 | 29.6 QP | 43.5 | -13.9 | 1.00 V | 80 | 37.2 | -7.6 |
| 5 | 250.02 | 32.0 QP | 46.0 | -14.0 | 2.00 V | 339 | 40.9 | -8.9 |
| 6 | 375.15 | 35.6 QP | 46.0 | -10.4 | 1.50 V | 97 | 40.6 | -5.0 |
| 7 | 500.23 | 34.2 QP | 46.0 | -11.8 | 2.00 V | 360 | 36.2 | -2.0 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 125.5 QP | | | 1.31 H | 331 | 120.2 | 5.3 |
| 2 | 108.81 | 32.8 QP | 43.5 | -10.7 | 1.50 H | 264 | 43.6 | -10.8 |
| 3 | 161.36 | 29.9 QP | 43.5 | -13.6 | 2.00 H | 279 | 37.9 | -8.0 |
| 4 | 250.02 | 31.1 QP | 46.0 | -14.9 | 1.00 H | 292 | 40.0 | -8.9 |
| 5 | 322.84 | 31.9 QP | 46.0 | -14.1 | 1.00 H | 40 | 38.0 | -6.1 |
| 6 | 375.03 | 33.2 QP | 46.0 | -12.8 | 2.00 H | 28 | 38.2 | -5.0 |
| 7 | 500.21 | 31.6 QP | 46.0 | -14.4 | 1.00 H | 220 | 33.6 | -2.0 |
| 8 | 928.00 | 52.4 QP | 105.5 | -53.1 | 1.31 H | 331 | 47.1 | 5.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 125.5 QP | | | 1.02 V | 16 | 120.2 | 5.3 |
| 2 | 77.24 | 33.5 QP | 40.0 | -6.5 | 1.00 V | 358 | 45.4 | -11.9 |
| 3 | 106.85 | 31.8 QP | 43.5 | -11.7 | 1.00 V | 360 | 42.9 | -11.1 |
| 4 | 168.81 | 29.6 QP | 43.5 | -13.9 | 1.00 V | 55 | 37.9 | -8.3 |
| 5 | 250.02 | 32.1 QP | 46.0 | -13.9 | 1.50 V | 360 | 41.0 | -8.9 |
| 6 | 302.50 | 31.6 QP | 46.0 | -14.4 | 1.00 V | 250 | 38.4 | -6.8 |
| 7 | 375.17 | 35.7 QP | 46.0 | -10.3 | 1.50 V | 104 | 40.7 | -5.0 |
| 8 | 928.00 | 52.2 QP | 105.5 | -53.3 | 1.02 V | 16 | 46.9 | 5.3 |

REMARKS:

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

Above 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|--------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 43.3 PK | 74.0 | -30.7 | 2.03 H | 203 | 45.3 | -2.0 |
| 2 | 2708.25 | 38.7 AV | 54.0 | -15.3 | 2.03 H | 203 | 40.7 | -2.0 |
| 3 | 3611.00 | 45.1 PK | 74.0 | -28.9 | 1.74 H | 124 | 45.8 | -0.7 |
| 4 | 3611.00 | 38.4 AV | 54.0 | -15.6 | 1.74 H | 124 | 39.1 | -0.7 |
| 5 | 4513.75 | 53.0 PK | 74.0 | -21.0 | 1.56 H | 83 | 52.2 | 0.8 |
| 6 | 4513.75 | 47.2 AV | 54.0 | -6.8 | 1.56 H | 83 | 46.4 | 0.8 |
| 7 | 5416.50 | 45.4 PK | 74.0 | -28.6 | 1.76 H | 260 | 42.9 | 2.5 |
| 8 | 5416.50 | 34.9 AV | 54.0 | -19.1 | 1.76 H | 260 | 32.4 | 2.5 |
| 9 | #7222.00 | 49.6 PK | 74.0 | -24.4 | 1.51 H | 216 | 41.7 | 7.9 |
| 10 | #7222.00 | 38.5 AV | 54.0 | -15.5 | 1.51 H | 216 | 30.6 | 7.9 |
| 11 | 8124.75 | 44.3 PK | 74.0 | -29.7 | 2.77 H | 64 | 35.6 | 8.7 |
| 12 | 8124.75 | 34.2 AV | 54.0 | -19.8 | 2.77 H | 64 | 25.5 | 8.7 |
| 13 | 9027.50 | 43.2 PK | 74.0 | -30.8 | 1.34 H | 174 | 33.9 | 9.3 |
| 14 | 9027.50 | 33.7 AV | 54.0 | -20.3 | 1.34 H | 174 | 24.4 | 9.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 38.8 PK | 74.0 | -35.2 | 1.58 V | 164 | 40.8 | -2.0 |
| 2 | 2708.25 | 32.1 AV | 54.0 | -21.9 | 1.58 V | 164 | 34.1 | -2.0 |
| 3 | 3611.00 | 42.8 PK | 74.0 | -31.2 | 2.05 V | 135 | 43.5 | -0.7 |
| 4 | 3611.00 | 33.9 AV | 54.0 | -20.1 | 2.05 V | 135 | 34.6 | -0.7 |
| 5 | 4513.75 | 50.9 PK | 74.0 | -23.1 | 2.49 V | 312 | 50.1 | 0.8 |
| 6 | 4513.75 | 42.5 AV | 54.0 | -11.5 | 2.49 V | 312 | 41.7 | 0.8 |
| 7 | 5416.50 | 41.5 PK | 74.0 | -32.5 | 1.51 V | 170 | 39.0 | 2.5 |
| 8 | 5416.50 | 30.2 AV | 54.0 | -23.8 | 1.51 V | 170 | 27.7 | 2.5 |
| 9 | #7222.00 | 48.6 PK | 74.0 | -25.4 | 1.63 V | 17 | 40.7 | 7.9 |
| 10 | #7222.00 | 36.3 AV | 54.0 | -17.7 | 1.63 V | 17 | 28.4 | 7.9 |
| 11 | 8124.75 | 45.4 PK | 74.0 | -28.6 | 1.84 V | 84 | 36.7 | 8.7 |
| 12 | 8124.75 | 34.0 AV | 54.0 | -20.0 | 1.84 V | 84 | 25.3 | 8.7 |
| 13 | 9027.50 | 47.8 PK | 74.0 | -26.2 | 1.44 V | 158 | 38.5 | 9.3 |
| 14 | 9027.50 | 37.1 AV | 54.0 | -16.9 | 1.44 V | 158 | 27.8 | 9.3 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 44.4 PK | 74.0 | -29.6 | 2.07 H | 184 | 46.3 | -1.9 |
| 2 | 2744.25 | 39.4 AV | 54.0 | -14.6 | 2.07 H | 184 | 41.3 | -1.9 |
| 3 | 3659.00 | 45.3 PK | 74.0 | -28.7 | 1.68 H | 122 | 45.9 | -0.6 |
| 4 | 3659.00 | 38.9 AV | 54.0 | -15.1 | 1.68 H | 122 | 39.5 | -0.6 |
| 5 | 4573.75 | 53.2 PK | 74.0 | -20.8 | 1.59 H | 81 | 52.1 | 1.1 |
| 6 | 4573.75 | 47.6 AV | 54.0 | -6.4 | 1.59 H | 81 | 46.5 | 1.1 |
| 7 | #5488.50 | 45.8 PK | 74.0 | -28.2 | 1.78 H | 250 | 43.3 | 2.5 |
| 8 | #5488.50 | 35.2 AV | 54.0 | -18.8 | 1.78 H | 250 | 32.7 | 2.5 |
| 9 | 7318.00 | 50.1 PK | 74.0 | -23.9 | 1.51 H | 216 | 42.3 | 7.8 |
| 10 | 7318.00 | 39.0 AV | 54.0 | -15.0 | 1.51 H | 216 | 31.2 | 7.8 |
| 11 | 8232.75 | 45.0 PK | 74.0 | -29.0 | 2.83 H | 89 | 36.8 | 8.2 |
| 12 | 8232.75 | 34.8 AV | 54.0 | -19.2 | 2.83 H | 89 | 26.6 | 8.2 |
| 13 | 9147.50 | 43.1 PK | 74.0 | -30.9 | 1.41 H | 174 | 33.3 | 9.8 |
| 14 | 9147.50 | 33.7 AV | 54.0 | -20.3 | 1.41 H | 174 | 23.9 | 9.8 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 39.2 PK | 74.0 | -34.8 | 1.63 V | 172 | 41.1 | -1.9 |
| 2 | 2744.25 | 32.2 AV | 54.0 | -21.8 | 1.63 V | 172 | 34.1 | -1.9 |
| 3 | 3659.00 | 41.7 PK | 74.0 | -32.3 | 2.00 V | 133 | 42.3 | -0.6 |
| 4 | 3659.00 | 33.0 AV | 54.0 | -21.0 | 2.00 V | 133 | 33.6 | -0.6 |
| 5 | 4573.75 | 50.9 PK | 74.0 | -23.1 | 2.54 V | 331 | 49.8 | 1.1 |
| 6 | 4573.75 | 42.6 AV | 54.0 | -11.4 | 2.54 V | 331 | 41.5 | 1.1 |
| 7 | #5488.50 | 41.7 PK | 74.0 | -32.3 | 1.61 V | 168 | 39.2 | 2.5 |
| 8 | #5488.50 | 30.6 AV | 54.0 | -23.4 | 1.61 V | 168 | 28.1 | 2.5 |
| 9 | 7318.00 | 49.1 PK | 74.0 | -24.9 | 1.61 V | 14 | 41.3 | 7.8 |
| 10 | 7318.00 | 36.7 AV | 54.0 | -17.3 | 1.61 V | 14 | 28.9 | 7.8 |
| 11 | 8232.75 | 44.3 PK | 74.0 | -29.7 | 1.80 V | 84 | 36.1 | 8.2 |
| 12 | 8232.75 | 33.3 AV | 54.0 | -20.7 | 1.80 V | 84 | 25.1 | 8.2 |
| 13 | 9147.50 | 48.1 PK | 74.0 | -25.9 | 1.50 V | 153 | 38.3 | 9.8 |
| 14 | 9147.50 | 37.3 AV | 54.0 | -16.7 | 1.50 V | 153 | 27.5 | 9.8 |

REMARKS:

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

| | | | |
|------------------------|---------------|--------------------------|--------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 42.8 PK | 74.0 | -31.2 | 2.10 H | 199 | 44.8 | -2.0 |
| 2 | 2781.75 | 38.4 AV | 54.0 | -15.6 | 2.10 H | 199 | 40.4 | -2.0 |
| 3 | 3709.00 | 44.7 PK | 74.0 | -29.3 | 1.67 H | 128 | 45.2 | -0.5 |
| 4 | 3709.00 | 38.5 AV | 54.0 | -15.5 | 1.67 H | 128 | 39.0 | -0.5 |
| 5 | 4636.25 | 52.8 PK | 74.0 | -21.2 | 1.49 H | 98 | 51.4 | 1.4 |
| 6 | 4636.25 | 47.2 AV | 54.0 | -6.8 | 1.49 H | 98 | 45.8 | 1.4 |
| 7 | #5563.50 | 45.4 PK | 74.0 | -28.6 | 1.81 H | 256 | 42.6 | 2.8 |
| 8 | #5563.50 | 35.1 AV | 54.0 | -18.9 | 1.81 H | 256 | 32.3 | 2.8 |
| 9 | 7418.00 | 49.9 PK | 74.0 | -24.1 | 1.55 H | 219 | 41.9 | 8.0 |
| 10 | 7418.00 | 38.7 AV | 54.0 | -15.3 | 1.55 H | 219 | 30.7 | 8.0 |
| 11 | 8345.25 | 45.2 PK | 74.0 | -28.8 | 2.79 H | 91 | 36.9 | 8.3 |
| 12 | 8345.25 | 34.5 AV | 54.0 | -19.5 | 2.79 H | 91 | 26.2 | 8.3 |
| 13 | #9272.50 | 42.7 PK | 74.0 | -31.3 | 1.32 H | 169 | 32.4 | 10.3 |
| 14 | #9272.50 | 33.6 AV | 54.0 | -20.4 | 1.32 H | 169 | 23.3 | 10.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 39.7 PK | 74.0 | -34.3 | 1.63 V | 164 | 41.7 | -2.0 |
| 2 | 2781.75 | 32.8 AV | 54.0 | -21.2 | 1.63 V | 164 | 34.8 | -2.0 |
| 3 | 3709.00 | 42.5 PK | 74.0 | -31.5 | 2.07 V | 115 | 43.0 | -0.5 |
| 4 | 3709.00 | 33.9 AV | 54.0 | -20.1 | 2.07 V | 115 | 34.4 | -0.5 |
| 5 | 4636.25 | 51.3 PK | 74.0 | -22.7 | 2.56 V | 335 | 49.9 | 1.4 |
| 6 | 4636.25 | 43.2 AV | 54.0 | -10.8 | 2.56 V | 335 | 41.8 | 1.4 |
| 7 | #5563.50 | 41.6 PK | 74.0 | -32.4 | 1.52 V | 168 | 38.8 | 2.8 |
| 8 | #5563.50 | 30.7 AV | 54.0 | -23.3 | 1.52 V | 168 | 27.9 | 2.8 |
| 9 | 7418.00 | 48.7 PK | 74.0 | -25.3 | 1.66 V | 26 | 40.7 | 8.0 |
| 10 | 7418.00 | 36.5 AV | 54.0 | -17.5 | 1.66 V | 26 | 28.5 | 8.0 |
| 11 | 8345.25 | 44.3 PK | 74.0 | -29.7 | 1.82 V | 89 | 36.0 | 8.3 |
| 12 | 8345.25 | 33.2 AV | 54.0 | -20.8 | 1.82 V | 89 | 24.9 | 8.3 |
| 13 | #9272.50 | 48.0 PK | 74.0 | -26.0 | 1.48 V | 178 | 37.7 | 10.3 |
| 14 | #9272.50 | 37.2 AV | 54.0 | -16.8 | 1.48 V | 178 | 26.9 | 10.3 |

REMARKS:

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

4.1.11 Test Results (Mode 5)

Below 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|-----------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 123.9 QP | | | 1.35 H | 333 | 118.8 | 5.1 |
| 2 | 108.81 | 32.6 QP | 43.5 | -10.9 | 2.00 H | 57 | 43.4 | -10.8 |
| 3 | 163.01 | 29.9 QP | 43.5 | -13.6 | 1.50 H | 82 | 38.0 | -8.1 |
| 4 | 250.07 | 31.4 QP | 46.0 | -14.6 | 1.00 H | 302 | 40.3 | -8.9 |
| 5 | 332.91 | 31.7 QP | 46.0 | -14.3 | 1.00 H | 42 | 37.5 | -5.8 |
| 6 | 375.15 | 33.6 QP | 46.0 | -12.4 | 2.00 H | 38 | 38.6 | -5.0 |
| 7 | 500.23 | 30.8 QP | 46.0 | -15.2 | 1.00 H | 360 | 32.8 | -2.0 |
| 8 | 902.00 | 54.5 QP | 103.9 | -49.4 | 1.35 H | 333 | 49.4 | 5.1 |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 123.7 QP | | | 1.02 V | 21 | 118.6 | 5.1 |
| 2 | 106.78 | 32.0 QP | 43.5 | -11.5 | 1.50 V | 360 | 43.1 | -11.1 |
| 3 | 168.81 | 29.7 QP | 43.5 | -13.8 | 1.00 V | 19 | 38.0 | -8.3 |
| 4 | 250.02 | 31.5 QP | 46.0 | -14.5 | 1.50 V | 360 | 40.4 | -8.9 |
| 5 | 375.15 | 34.9 QP | 46.0 | -11.1 | 1.50 V | 105 | 39.9 | -5.0 |
| 6 | 500.01 | 34.0 QP | 46.0 | -12.0 | 1.00 V | 268 | 36.0 | -2.0 |
| 7 | 77.24 | 33.2 QP | 40.0 | -6.8 | 1.00 V | 360 | 45.1 | -11.9 |
| 8 | 902.00 | 54.4 QP | 103.7 | -49.3 | 1.02 V | 21 | 49.3 | 5.1 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 124.6 QP | | | 1.32 H | 331 | 119.4 | 5.2 |
| 2 | 108.81 | 33.9 QP | 43.5 | -9.6 | 1.50 H | 54 | 44.7 | -10.8 |
| 3 | 162.48 | 28.9 QP | 43.5 | -14.6 | 2.00 H | 270 | 36.9 | -8.0 |
| 4 | 250.07 | 31.2 QP | 46.0 | -14.8 | 1.00 H | 295 | 40.1 | -8.9 |
| 5 | 327.52 | 32.7 QP | 46.0 | -13.3 | 1.50 H | 360 | 38.7 | -6.0 |
| 6 | 375.03 | 33.1 QP | 46.0 | -12.9 | 2.00 H | 32 | 38.1 | -5.0 |
| 7 | 480.23 | 30.5 QP | 46.0 | -15.5 | 2.00 H | 314 | 33.0 | -2.5 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 124.4 QP | | | 1.03 V | 17 | 119.2 | 5.2 |
| 2 | 77.99 | 32.3 QP | 40.0 | -7.7 | 1.00 V | 360 | 44.4 | -12.1 |
| 3 | 168.83 | 29.6 QP | 43.5 | -13.9 | 1.00 V | 40 | 37.9 | -8.3 |
| 4 | 250.04 | 31.6 QP | 46.0 | -14.4 | 1.50 V | 360 | 40.5 | -8.9 |
| 5 | 332.98 | 30.3 QP | 46.0 | -15.7 | 1.50 V | 360 | 36.1 | -5.8 |
| 6 | 375.15 | 34.5 QP | 46.0 | -11.5 | 1.50 V | 103 | 39.5 | -5.0 |
| 7 | 500.21 | 34.0 QP | 46.0 | -12.0 | 1.00 V | 360 | 36.0 | -2.0 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 125.2 QP | | | 1.32 H | 334 | 119.9 | 5.3 |
| 2 | 108.91 | 33.9 QP | 43.5 | -9.6 | 2.00 H | 53 | 44.6 | -10.7 |
| 3 | 146.72 | 29.4 QP | 43.5 | -14.1 | 2.00 H | 51 | 37.1 | -7.7 |
| 4 | 250.07 | 32.0 QP | 46.0 | -14.0 | 1.00 H | 285 | 40.9 | -8.9 |
| 5 | 323.06 | 30.7 QP | 46.0 | -15.3 | 1.00 H | 56 | 36.7 | -6.0 |
| 6 | 375.03 | 32.8 QP | 46.0 | -13.2 | 2.00 H | 51 | 37.8 | -5.0 |
| 7 | 500.01 | 31.4 QP | 46.0 | -14.6 | 1.50 H | 26 | 33.4 | -2.0 |
| 8 | 928.00 | 51.9 QP | 105.2 | -53.3 | 1.32 H | 334 | 46.6 | 5.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 125.2 QP | | | 1.32 V | 334 | 119.9 | 5.3 |
| 2 | 79.25 | 32.8 QP | 40.0 | -7.2 | 1.00 V | 158 | 45.3 | -12.5 |
| 3 | 108.84 | 30.4 QP | 43.5 | -13.1 | 2.00 V | 12 | 41.1 | -10.7 |
| 4 | 189.81 | 28.2 QP | 43.5 | -15.3 | 1.00 V | 333 | 38.6 | -10.4 |
| 5 | 250.02 | 37.8 QP | 46.0 | -8.2 | 2.00 V | 360 | 46.7 | -8.9 |
| 6 | 332.91 | 33.6 QP | 46.0 | -12.4 | 1.50 V | 154 | 39.4 | -5.8 |
| 7 | 375.00 | 32.1 QP | 46.0 | -13.9 | 1.00 V | 171 | 37.1 | -5.0 |
| 8 | 500.21 | 35.5 QP | 46.0 | -10.5 | 1.00 V | 360 | 37.5 | -2.0 |
| 9 | 928.00 | 51.8 QP | 105.2 | -53.4 | 1.32 V | 334 | 46.5 | 5.3 |

REMARKS:

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

Above 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|--------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 43.6 PK | 74.0 | -30.4 | 2.05 H | 191 | 45.6 | -2.0 |
| 2 | 2708.25 | 38.9 AV | 54.0 | -15.1 | 2.05 H | 191 | 40.9 | -2.0 |
| 3 | 3611.00 | 45.3 PK | 74.0 | -28.7 | 1.69 H | 127 | 46.0 | -0.7 |
| 4 | 3611.00 | 38.8 AV | 54.0 | -15.2 | 1.69 H | 127 | 39.5 | -0.7 |
| 5 | 4513.75 | 53.1 PK | 74.0 | -20.9 | 1.53 H | 85 | 52.3 | 0.8 |
| 6 | 4513.75 | 47.5 AV | 54.0 | -6.5 | 1.53 H | 85 | 46.7 | 0.8 |
| 7 | 5416.50 | 45.8 PK | 74.0 | -28.2 | 1.80 H | 250 | 43.3 | 2.5 |
| 8 | 5416.50 | 35.2 AV | 54.0 | -18.8 | 1.80 H | 250 | 32.7 | 2.5 |
| 9 | #7222.00 | 49.9 PK | 74.0 | -24.1 | 1.52 H | 221 | 42.0 | 7.9 |
| 10 | #7222.00 | 38.8 AV | 54.0 | -15.2 | 1.52 H | 221 | 30.9 | 7.9 |
| 11 | 8124.75 | 44.8 PK | 74.0 | -29.2 | 2.81 H | 78 | 36.1 | 8.7 |
| 12 | 8124.75 | 34.4 AV | 54.0 | -19.6 | 2.81 H | 78 | 25.7 | 8.7 |
| 13 | 9027.50 | 43.1 PK | 74.0 | -30.9 | 1.36 H | 159 | 33.8 | 9.3 |
| 14 | 9027.50 | 33.8 AV | 54.0 | -20.2 | 1.36 H | 159 | 24.5 | 9.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 39.0 PK | 74.0 | -35.0 | 1.61 V | 169 | 41.0 | -2.0 |
| 2 | 2708.25 | 32.3 AV | 54.0 | -21.7 | 1.61 V | 169 | 34.3 | -2.0 |
| 3 | 3611.00 | 41.7 PK | 74.0 | -32.3 | 2.09 V | 130 | 42.4 | -0.7 |
| 4 | 3611.00 | 33.3 AV | 54.0 | -20.7 | 2.09 V | 130 | 34.0 | -0.7 |
| 5 | 4513.75 | 51.3 PK | 74.0 | -22.7 | 2.46 V | 309 | 50.5 | 0.8 |
| 6 | 4513.75 | 42.9 AV | 54.0 | -11.1 | 2.46 V | 309 | 42.1 | 0.8 |
| 7 | 5416.50 | 41.8 PK | 74.0 | -32.2 | 1.60 V | 181 | 39.3 | 2.5 |
| 8 | 5416.50 | 30.5 AV | 54.0 | -23.5 | 1.60 V | 181 | 28.0 | 2.5 |
| 9 | #7222.00 | 48.4 PK | 74.0 | -25.6 | 1.65 V | 27 | 40.5 | 7.9 |
| 10 | #7222.00 | 36.3 AV | 54.0 | -17.7 | 1.65 V | 27 | 28.4 | 7.9 |
| 11 | 8124.75 | 45.5 PK | 74.0 | -28.5 | 1.87 V | 78 | 36.8 | 8.7 |
| 12 | 8124.75 | 34.0 AV | 54.0 | -20.0 | 1.87 V | 78 | 25.3 | 8.7 |
| 13 | 9027.50 | 47.6 PK | 74.0 | -26.4 | 1.46 V | 154 | 38.3 | 9.3 |
| 14 | 9027.50 | 36.9 AV | 54.0 | -17.1 | 1.46 V | 154 | 27.6 | 9.3 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 43.4 PK | 74.0 | -30.6 | 2.05 H | 203 | 45.3 | -1.9 |
| 2 | 2744.25 | 38.4 AV | 54.0 | -15.6 | 2.05 H | 203 | 40.3 | -1.9 |
| 3 | 3659.00 | 46.0 PK | 74.0 | -28.0 | 1.63 H | 119 | 46.6 | -0.6 |
| 4 | 3659.00 | 39.3 AV | 54.0 | -14.7 | 1.63 H | 119 | 39.9 | -0.6 |
| 5 | 4573.75 | 52.2 PK | 74.0 | -21.8 | 1.51 H | 57 | 51.1 | 1.1 |
| 6 | 4573.75 | 46.8 AV | 54.0 | -7.2 | 1.51 H | 57 | 45.7 | 1.1 |
| 7 | #5488.50 | 45.0 PK | 74.0 | -29.0 | 1.81 H | 254 | 42.5 | 2.5 |
| 8 | #5488.50 | 34.5 AV | 54.0 | -19.5 | 1.81 H | 254 | 32.0 | 2.5 |
| 9 | 7318.00 | 50.0 PK | 74.0 | -24.0 | 1.51 H | 225 | 42.2 | 7.8 |
| 10 | 7318.00 | 38.9 AV | 54.0 | -15.1 | 1.51 H | 225 | 31.1 | 7.8 |
| 11 | 8232.75 | 45.4 PK | 74.0 | -28.6 | 2.83 H | 79 | 37.2 | 8.2 |
| 12 | 8232.75 | 35.1 AV | 54.0 | -18.9 | 2.83 H | 79 | 26.9 | 8.2 |
| 13 | 9147.50 | 42.8 PK | 74.0 | -31.2 | 1.34 H | 144 | 33.0 | 9.8 |
| 14 | 9147.50 | 33.3 AV | 54.0 | -20.7 | 1.34 H | 144 | 23.5 | 9.8 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 39.4 PK | 74.0 | -34.6 | 1.63 V | 161 | 41.3 | -1.9 |
| 2 | 2744.25 | 32.7 AV | 54.0 | -21.3 | 1.63 V | 161 | 34.6 | -1.9 |
| 3 | 3659.00 | 42.7 PK | 74.0 | -31.3 | 2.05 V | 127 | 43.3 | -0.6 |
| 4 | 3659.00 | 33.9 AV | 54.0 | -20.1 | 2.05 V | 127 | 34.5 | -0.6 |
| 5 | 4573.75 | 51.0 PK | 74.0 | -23.0 | 2.55 V | 310 | 49.9 | 1.1 |
| 6 | 4573.75 | 42.4 AV | 54.0 | -11.6 | 2.55 V | 310 | 41.3 | 1.1 |
| 7 | #5488.50 | 41.2 PK | 74.0 | -32.8 | 1.56 V | 182 | 38.7 | 2.5 |
| 8 | #5488.50 | 30.1 AV | 54.0 | -23.9 | 1.56 V | 182 | 27.6 | 2.5 |
| 9 | 7318.00 | 48.9 PK | 74.0 | -25.1 | 1.62 V | 33 | 41.1 | 7.8 |
| 10 | 7318.00 | 36.7 AV | 54.0 | -17.3 | 1.62 V | 33 | 28.9 | 7.8 |
| 11 | 8232.75 | 45.5 PK | 74.0 | -28.5 | 1.85 V | 80 | 37.3 | 8.2 |
| 12 | 8232.75 | 34.1 AV | 54.0 | -19.9 | 1.85 V | 80 | 25.9 | 8.2 |
| 13 | 9147.50 | 47.6 PK | 74.0 | -26.4 | 1.53 V | 166 | 37.8 | 9.8 |
| 14 | 9147.50 | 36.5 AV | 54.0 | -17.5 | 1.53 V | 166 | 26.7 | 9.8 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 43.5 PK | 74.0 | -30.5 | 2.09 H | 188 | 45.5 | -2.0 |
| 2 | 2781.75 | 38.8 AV | 54.0 | -15.2 | 2.09 H | 188 | 40.8 | -2.0 |
| 3 | 3709.00 | 45.5 PK | 74.0 | -28.5 | 1.65 H | 123 | 46.0 | -0.5 |
| 4 | 3709.00 | 38.9 AV | 54.0 | -15.1 | 1.65 H | 123 | 39.4 | -0.5 |
| 5 | 4636.25 | 52.6 PK | 74.0 | -21.4 | 1.54 H | 71 | 51.2 | 1.4 |
| 6 | 4636.25 | 47.2 AV | 54.0 | -6.8 | 1.54 H | 71 | 45.8 | 1.4 |
| 7 | #5563.50 | 45.4 PK | 74.0 | -28.6 | 1.78 H | 241 | 42.6 | 2.8 |
| 8 | #5563.50 | 34.8 AV | 54.0 | -19.2 | 1.78 H | 241 | 32.0 | 2.8 |
| 9 | 7418.00 | 49.8 PK | 74.0 | -24.2 | 1.52 H | 223 | 41.8 | 8.0 |
| 10 | 7418.00 | 38.8 AV | 54.0 | -15.2 | 1.52 H | 223 | 30.8 | 8.0 |
| 11 | 8345.25 | 45.1 PK | 74.0 | -28.9 | 2.81 H | 74 | 36.8 | 8.3 |
| 12 | 8345.25 | 34.8 AV | 54.0 | -19.2 | 2.81 H | 74 | 26.5 | 8.3 |
| 13 | #9272.50 | 43.2 PK | 74.0 | -30.8 | 1.33 H | 154 | 32.9 | 10.3 |
| 14 | #9272.50 | 33.6 AV | 54.0 | -20.4 | 1.33 H | 154 | 23.3 | 10.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 39.2 PK | 74.0 | -34.8 | 1.62 V | 166 | 41.2 | -2.0 |
| 2 | 2781.75 | 32.3 AV | 54.0 | -21.7 | 1.62 V | 166 | 34.3 | -2.0 |
| 3 | 3709.00 | 42.1 PK | 74.0 | -31.9 | 2.03 V | 129 | 42.6 | -0.5 |
| 4 | 3709.00 | 33.5 AV | 54.0 | -20.5 | 2.03 V | 129 | 34.0 | -0.5 |
| 5 | 4636.25 | 51.1 PK | 74.0 | -22.9 | 2.51 V | 323 | 49.7 | 1.4 |
| 6 | 4636.25 | 42.8 AV | 54.0 | -11.2 | 2.51 V | 323 | 41.4 | 1.4 |
| 7 | #5563.50 | 41.6 PK | 74.0 | -32.4 | 1.56 V | 177 | 38.8 | 2.8 |
| 8 | #5563.50 | 30.5 AV | 54.0 | -23.5 | 1.56 V | 177 | 27.7 | 2.8 |
| 9 | 7418.00 | 48.9 PK | 74.0 | -25.1 | 1.66 V | 28 | 40.9 | 8.0 |
| 10 | 7418.00 | 36.6 AV | 54.0 | -17.4 | 1.66 V | 28 | 28.6 | 8.0 |
| 11 | 8345.25 | 44.8 PK | 74.0 | -29.2 | 1.82 V | 78 | 36.5 | 8.3 |
| 12 | 8345.25 | 33.6 AV | 54.0 | -20.4 | 1.82 V | 78 | 25.3 | 8.3 |
| 13 | #9272.50 | 47.8 PK | 74.0 | -26.2 | 1.49 V | 163 | 37.5 | 10.3 |
| 14 | #9272.50 | 36.8 AV | 54.0 | -17.2 | 1.49 V | 163 | 26.5 | 10.3 |

REMARKS:

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

4.1.12 Test Results (Mode 6)

Below 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|-----------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 124.4 QP | | | 1.35 H | 334 | 119.3 | 5.1 |
| 2 | 107.94 | 32.7 QP | 43.5 | -10.8 | 2.00 H | 277 | 43.6 | -10.9 |
| 3 | 163.33 | 29.6 QP | 43.5 | -13.9 | 2.00 H | 56 | 37.7 | -8.1 |
| 4 | 250.04 | 32.1 QP | 46.0 | -13.9 | 1.00 H | 297 | 41.0 | -8.9 |
| 5 | 317.63 | 31.2 QP | 46.0 | -14.8 | 1.50 H | 360 | 37.4 | -6.2 |
| 6 | 375.17 | 32.7 QP | 46.0 | -13.3 | 2.00 H | 40 | 37.7 | -5.0 |
| 7 | 500.21 | 31.0 QP | 46.0 | -15.0 | 1.00 H | 224 | 33.0 | -2.0 |
| 8 | 902.00 | 55.2 QP | 104.4 | -49.2 | 1.35 H | 334 | 50.1 | 5.1 |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *902.75 | 124.3 QP | | | 1.03 V | 17 | 119.2 | 5.1 |
| 2 | 107.43 | 31.3 QP | 43.5 | -12.2 | 1.00 V | 360 | 42.3 | -11.0 |
| 3 | 168.49 | 30.1 QP | 43.5 | -13.4 | 1.00 V | 51 | 38.4 | -8.3 |
| 4 | 250.00 | 31.3 QP | 46.0 | -14.7 | 2.00 V | 347 | 40.2 | -8.9 |
| 5 | 375.17 | 34.9 QP | 46.0 | -11.1 | 1.50 V | 105 | 39.9 | -5.0 |
| 6 | 500.21 | 34.7 QP | 46.0 | -11.3 | 1.00 V | 360 | 36.7 | -2.0 |
| 7 | 78.02 | 33.7 QP | 40.0 | -6.3 | 1.00 V | 360 | 45.8 | -12.1 |
| 8 | 902.00 | 55.1 QP | 104.3 | -49.2 | 1.03 V | 17 | 50.0 | 5.1 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 124.6 QP | | | 1.33 H | 333 | 119.4 | 5.2 |
| 2 | 98.48 | 31.8 QP | 43.5 | -11.7 | 2.00 H | 60 | 44.5 | -12.7 |
| 3 | 161.31 | 29.5 QP | 43.5 | -14.0 | 2.00 H | 246 | 37.5 | -8.0 |
| 4 | 250.07 | 31.6 QP | 46.0 | -14.4 | 1.00 H | 305 | 40.5 | -8.9 |
| 5 | 317.58 | 34.0 QP | 46.0 | -12.0 | 1.00 H | 48 | 40.2 | -6.2 |
| 6 | 375.17 | 33.2 QP | 46.0 | -12.8 | 2.00 H | 24 | 38.2 | -5.0 |
| 7 | 500.23 | 31.3 QP | 46.0 | -14.7 | 1.00 H | 209 | 33.3 | -2.0 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *914.75 | 124.6 QP | | | 1.04 V | 22 | 119.4 | 5.2 |
| 2 | 90.36 | 32.3 QP | 43.5 | -11.2 | 1.50 V | 360 | 45.9 | -13.6 |
| 3 | 154.21 | 29.6 QP | 43.5 | -13.9 | 1.00 V | 52 | 37.2 | -7.6 |
| 4 | 250.04 | 31.8 QP | 46.0 | -14.2 | 2.00 V | 350 | 40.7 | -8.9 |
| 5 | 333.03 | 30.9 QP | 46.0 | -15.1 | 1.50 V | 228 | 36.7 | -5.8 |
| 6 | 375.17 | 34.9 QP | 46.0 | -11.1 | 1.50 V | 88 | 39.9 | -5.0 |
| 7 | 500.21 | 33.9 QP | 46.0 | -12.1 | 1.50 V | 360 | 35.9 | -2.0 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|-----------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 9kHz ~ 1GHz | | |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 125.5 QP | | | 1.34 H | 332 | 120.2 | 5.3 |
| 2 | 108.81 | 33.6 QP | 43.5 | -9.9 | 2.00 H | 242 | 44.4 | -10.8 |
| 3 | 155.64 | 29.2 QP | 43.5 | -14.3 | 2.00 H | 73 | 36.8 | -7.6 |
| 4 | 250.04 | 31.6 QP | 46.0 | -14.4 | 1.50 H | 305 | 40.5 | -8.9 |
| 5 | 332.86 | 31.1 QP | 46.0 | -14.9 | 1.00 H | 50 | 36.9 | -5.8 |
| 6 | 375.15 | 33.1 QP | 46.0 | -12.9 | 2.00 H | 30 | 38.1 | -5.0 |
| 7 | 500.23 | 30.7 QP | 46.0 | -15.3 | 1.50 H | 360 | 32.7 | -2.0 |
| 8 | 928.00 | 56.2 QP | 105.5 | -49.3 | 1.34 H | 332 | 50.9 | 5.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | *927.25 | 125.4 QP | | | 1.04 V | 14 | 120.1 | 5.3 |
| 2 | 90.38 | 32.6 QP | 43.5 | -10.9 | 1.00 V | 360 | 46.2 | -13.6 |
| 3 | 106.73 | 33.0 QP | 43.5 | -10.5 | 1.00 V | 360 | 44.1 | -11.1 |
| 4 | 154.23 | 30.5 QP | 43.5 | -13.0 | 1.00 V | 69 | 38.1 | -7.6 |
| 5 | 250.02 | 31.4 QP | 46.0 | -14.6 | 1.00 V | 360 | 40.3 | -8.9 |
| 6 | 375.17 | 34.6 QP | 46.0 | -11.4 | 1.50 V | 104 | 39.6 | -5.0 |
| 7 | 500.21 | 33.8 QP | 46.0 | -12.2 | 1.00 V | 360 | 35.8 | -2.0 |
| 8 | 928.00 | 56.1 QP | 105.4 | -49.3 | 1.04 V | 14 | 50.8 | 5.3 |

REMARKS:

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

Above 1GHz Data:

| | | | |
|------------------------|--------------|------------------------------|--------------|
| CHANNEL | TX Channel 0 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 44.4 PK | 74.0 | -29.6 | 2.00 H | 193 | 46.4 | -2.0 |
| 2 | 2708.25 | 39.4 AV | 54.0 | -14.6 | 2.00 H | 193 | 41.4 | -2.0 |
| 3 | 3611.00 | 45.4 PK | 74.0 | -28.6 | 1.75 H | 134 | 46.1 | -0.7 |
| 4 | 3611.00 | 39.0 AV | 54.0 | -15.0 | 1.75 H | 134 | 39.7 | -0.7 |
| 5 | 4513.75 | 53.0 PK | 74.0 | -21.0 | 1.58 H | 86 | 52.2 | 0.8 |
| 6 | 4513.75 | 47.2 AV | 54.0 | -6.8 | 1.58 H | 86 | 46.4 | 0.8 |
| 7 | 5416.50 | 46.1 PK | 74.0 | -27.9 | 1.85 H | 260 | 43.6 | 2.5 |
| 8 | 5416.50 | 35.4 AV | 54.0 | -18.6 | 1.85 H | 260 | 32.9 | 2.5 |
| 9 | #7222.00 | 50.0 PK | 74.0 | -24.0 | 1.46 H | 224 | 42.1 | 7.9 |
| 10 | #7222.00 | 39.1 AV | 54.0 | -14.9 | 1.46 H | 224 | 31.2 | 7.9 |
| 11 | 8124.75 | 44.5 PK | 74.0 | -29.5 | 2.87 H | 87 | 35.8 | 8.7 |
| 12 | 8124.75 | 34.3 AV | 54.0 | -19.7 | 2.87 H | 87 | 25.6 | 8.7 |
| 13 | 9027.50 | 42.6 PK | 74.0 | -31.4 | 1.39 H | 145 | 33.3 | 9.3 |
| 14 | 9027.50 | 33.5 AV | 54.0 | -20.5 | 1.39 H | 145 | 24.2 | 9.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|--|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2708.25 | 39.2 PK | 74.0 | -34.8 | 1.57 V | 170 | 41.2 | -2.0 |
| 2 | 2708.25 | 32.0 AV | 54.0 | -22.0 | 1.57 V | 170 | 34.0 | -2.0 |
| 3 | 3611.00 | 42.2 PK | 74.0 | -31.8 | 2.05 V | 133 | 42.9 | -0.7 |
| 4 | 3611.00 | 33.5 AV | 54.0 | -20.5 | 2.05 V | 133 | 34.2 | -0.7 |
| 5 | 4513.75 | 51.4 PK | 74.0 | -22.6 | 2.57 V | 336 | 50.6 | 0.8 |
| 6 | 4513.75 | 43.0 AV | 54.0 | -11.0 | 2.57 V | 336 | 42.2 | 0.8 |
| 7 | 5416.50 | 40.8 PK | 74.0 | -33.2 | 1.61 V | 164 | 38.3 | 2.5 |
| 8 | 5416.50 | 30.0 AV | 54.0 | -24.0 | 1.61 V | 164 | 27.5 | 2.5 |
| 9 | #7222.00 | 49.0 PK | 74.0 | -25.0 | 1.67 V | 39 | 41.1 | 7.9 |
| 10 | #7222.00 | 36.8 AV | 54.0 | -17.2 | 1.67 V | 39 | 28.9 | 7.9 |
| 11 | 8124.75 | 44.9 PK | 74.0 | -29.1 | 1.80 V | 74 | 36.2 | 8.7 |
| 12 | 8124.75 | 33.6 AV | 54.0 | -20.4 | 1.80 V | 74 | 24.9 | 8.7 |
| 13 | 9027.50 | 47.4 PK | 74.0 | -26.6 | 1.52 V | 152 | 38.1 | 9.3 |
| 14 | 9027.50 | 36.7 AV | 54.0 | -17.3 | 1.52 V | 152 | 27.4 | 9.3 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 24 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 43.8 PK | 74.0 | -30.2 | 2.08 H | 180 | 45.7 | -1.9 |
| 2 | 2744.25 | 39.2 AV | 54.0 | -14.8 | 2.08 H | 180 | 41.1 | -1.9 |
| 3 | 3659.00 | 45.6 PK | 74.0 | -28.4 | 1.73 H | 121 | 46.2 | -0.6 |
| 4 | 3659.00 | 38.8 AV | 54.0 | -15.2 | 1.73 H | 121 | 39.4 | -0.6 |
| 5 | 4573.75 | 53.7 PK | 74.0 | -20.3 | 1.51 H | 91 | 52.6 | 1.1 |
| 6 | 4573.75 | 47.9 AV | 54.0 | -6.1 | 1.51 H | 91 | 46.8 | 1.1 |
| 7 | #5488.50 | 46.1 PK | 74.0 | -27.9 | 1.81 H | 260 | 43.6 | 2.5 |
| 8 | #5488.50 | 35.2 AV | 54.0 | -18.8 | 1.81 H | 260 | 32.7 | 2.5 |
| 9 | 7318.00 | 50.4 PK | 74.0 | -23.6 | 1.50 H | 207 | 42.6 | 7.8 |
| 10 | 7318.00 | 39.1 AV | 54.0 | -14.9 | 1.50 H | 207 | 31.3 | 7.8 |
| 11 | 8232.75 | 44.5 PK | 74.0 | -29.5 | 2.86 H | 63 | 36.3 | 8.2 |
| 12 | 8232.75 | 34.4 AV | 54.0 | -19.6 | 2.86 H | 63 | 26.2 | 8.2 |
| 13 | 9147.50 | 43.4 PK | 74.0 | -30.6 | 1.38 H | 168 | 33.6 | 9.8 |
| 14 | 9147.50 | 34.2 AV | 54.0 | -19.8 | 1.38 H | 168 | 24.4 | 9.8 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2744.25 | 39.0 PK | 74.0 | -35.0 | 1.66 V | 162 | 40.9 | -1.9 |
| 2 | 2744.25 | 32.2 AV | 54.0 | -21.8 | 1.66 V | 162 | 34.1 | -1.9 |
| 3 | 3659.00 | 42.5 PK | 74.0 | -31.5 | 2.00 V | 113 | 43.1 | -0.6 |
| 4 | 3659.00 | 33.9 AV | 54.0 | -20.1 | 2.00 V | 113 | 34.5 | -0.6 |
| 5 | 4573.75 | 51.0 PK | 74.0 | -23.0 | 2.48 V | 315 | 49.9 | 1.1 |
| 6 | 4573.75 | 42.5 AV | 54.0 | -11.5 | 2.48 V | 315 | 41.4 | 1.1 |
| 7 | #5488.50 | 42.0 PK | 74.0 | -32.0 | 1.54 V | 162 | 39.5 | 2.5 |
| 8 | #5488.50 | 30.7 AV | 54.0 | -23.3 | 1.54 V | 162 | 28.2 | 2.5 |
| 9 | 7318.00 | 49.1 PK | 74.0 | -24.9 | 1.60 V | 41 | 41.3 | 7.8 |
| 10 | 7318.00 | 36.8 AV | 54.0 | -17.2 | 1.60 V | 41 | 29.0 | 7.8 |
| 11 | 8232.75 | 44.7 PK | 74.0 | -29.3 | 1.79 V | 81 | 36.5 | 8.2 |
| 12 | 8232.75 | 33.5 AV | 54.0 | -20.5 | 1.79 V | 81 | 25.3 | 8.2 |
| 13 | 9147.50 | 47.7 PK | 74.0 | -26.3 | 1.54 V | 148 | 37.9 | 9.8 |
| 14 | 9147.50 | 36.7 AV | 54.0 | -17.3 | 1.54 V | 148 | 26.9 | 9.8 |

REMARKS:

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

| | | | |
|------------------------|---------------|------------------------------|--------------|
| CHANNEL | TX Channel 49 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 10GHz | | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 43.6 PK | 74.0 | -30.4 | 2.04 H | 187 | 45.6 | -2.0 |
| 2 | 2781.75 | 38.8 AV | 54.0 | -15.2 | 2.04 H | 187 | 40.8 | -2.0 |
| 3 | 3709.00 | 44.7 PK | 74.0 | -29.3 | 1.71 H | 127 | 45.2 | -0.5 |
| 4 | 3709.00 | 38.5 AV | 54.0 | -15.5 | 1.71 H | 127 | 39.0 | -0.5 |
| 5 | 4636.25 | 52.7 PK | 74.0 | -21.3 | 1.54 H | 96 | 51.3 | 1.4 |
| 6 | 4636.25 | 47.1 AV | 54.0 | -6.9 | 1.54 H | 96 | 45.7 | 1.4 |
| 7 | #5563.50 | 45.7 PK | 74.0 | -28.3 | 1.85 H | 256 | 42.9 | 2.8 |
| 8 | #5563.50 | 34.9 AV | 54.0 | -19.1 | 1.85 H | 256 | 32.1 | 2.8 |
| 9 | 7418.00 | 50.0 PK | 74.0 | -24.0 | 1.48 H | 212 | 42.0 | 8.0 |
| 10 | 7418.00 | 39.0 AV | 54.0 | -15.0 | 1.48 H | 212 | 31.0 | 8.0 |
| 11 | 8345.25 | 44.5 PK | 74.0 | -29.5 | 2.76 H | 90 | 36.2 | 8.3 |
| 12 | 8345.25 | 34.1 AV | 54.0 | -19.9 | 2.76 H | 90 | 25.8 | 8.3 |
| 13 | #9272.50 | 42.8 PK | 74.0 | -31.2 | 1.34 H | 165 | 32.5 | 10.3 |
| 14 | #9272.50 | 33.6 AV | 54.0 | -20.4 | 1.34 H | 165 | 23.3 | 10.3 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M | | | | | | | | |
|---|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO. | FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA HEIGHT (m) | TABLE ANGLE (Degree) | RAW VALUE (dBuV) | CORRECTION FACTOR (dB/m) |
| 1 | 2781.75 | 39.7 PK | 74.0 | -34.3 | 1.61 V | 157 | 41.7 | -2.0 |
| 2 | 2781.75 | 32.8 AV | 54.0 | -21.2 | 1.61 V | 157 | 34.8 | -2.0 |
| 3 | 3709.00 | 42.7 PK | 74.0 | -31.3 | 2.00 V | 142 | 43.2 | -0.5 |
| 4 | 3709.00 | 34.0 AV | 54.0 | -20.0 | 2.00 V | 142 | 34.5 | -0.5 |
| 5 | 4636.25 | 50.8 PK | 74.0 | -23.2 | 2.48 V | 309 | 49.4 | 1.4 |
| 6 | 4636.25 | 42.4 AV | 54.0 | -11.6 | 2.48 V | 309 | 41.0 | 1.4 |
| 7 | #5563.50 | 41.5 PK | 74.0 | -32.5 | 1.54 V | 179 | 38.7 | 2.8 |
| 8 | #5563.50 | 30.7 AV | 54.0 | -23.3 | 1.54 V | 179 | 27.9 | 2.8 |
| 9 | 7418.00 | 48.8 PK | 74.0 | -25.2 | 1.68 V | 44 | 40.8 | 8.0 |
| 10 | 7418.00 | 36.8 AV | 54.0 | -17.2 | 1.68 V | 44 | 28.8 | 8.0 |
| 11 | 8345.25 | 44.9 PK | 74.0 | -29.1 | 1.85 V | 68 | 36.6 | 8.3 |
| 12 | 8345.25 | 33.7 AV | 54.0 | -20.3 | 1.85 V | 68 | 25.4 | 8.3 |
| 13 | #9272.50 | 48.2 PK | 74.0 | -25.8 | 1.43 V | 149 | 37.9 | 10.3 |
| 14 | #9272.50 | 37.1 AV | 54.0 | -16.9 | 1.43 V | 149 | 26.8 | 10.3 |

REMARKS:

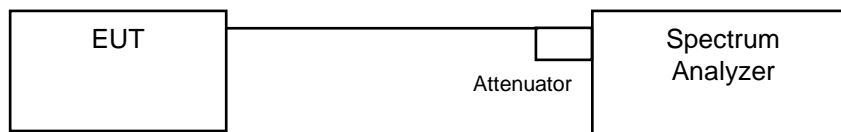
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency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

4.2 Maximum Output Power

4.2.1 Limits of Maximum Output Power Measurement

| CONDITION | OUTPUT POWER | APPLICATION |
|--|--------------|-------------|
| hopping channels ≥ 50 | 1 W | v |
| hopping channels ≥ 25 & ≤ 50 | 0.25W | x |

4.2.2 Test Setup



4.2.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.2.4 Test Procedure

- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- The center frequency of the spectrum analyzer is set to the fundamental frequency and using 3MHz RBW and 8MHz VBW.
- Measure the captured power within the band and recording the plot.
- Repeat above procedures until all frequencies required were complete.

4.2.5 Deviation from Test Standard

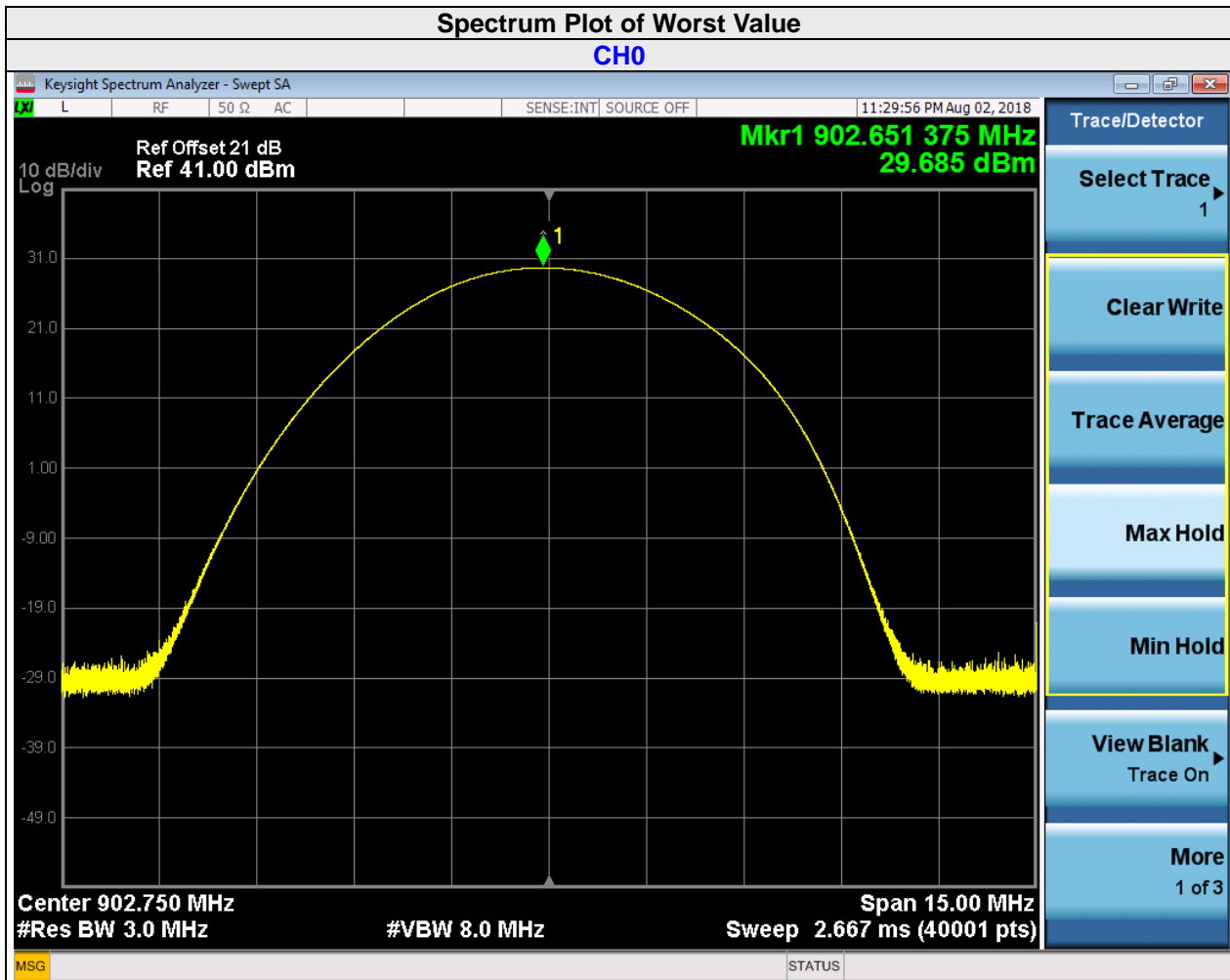
No deviation.

4.2.6 EUT Operating Condition

The software provided by client enabled the EUT to transmit and receive data at lowest and highest channel frequencies individually.

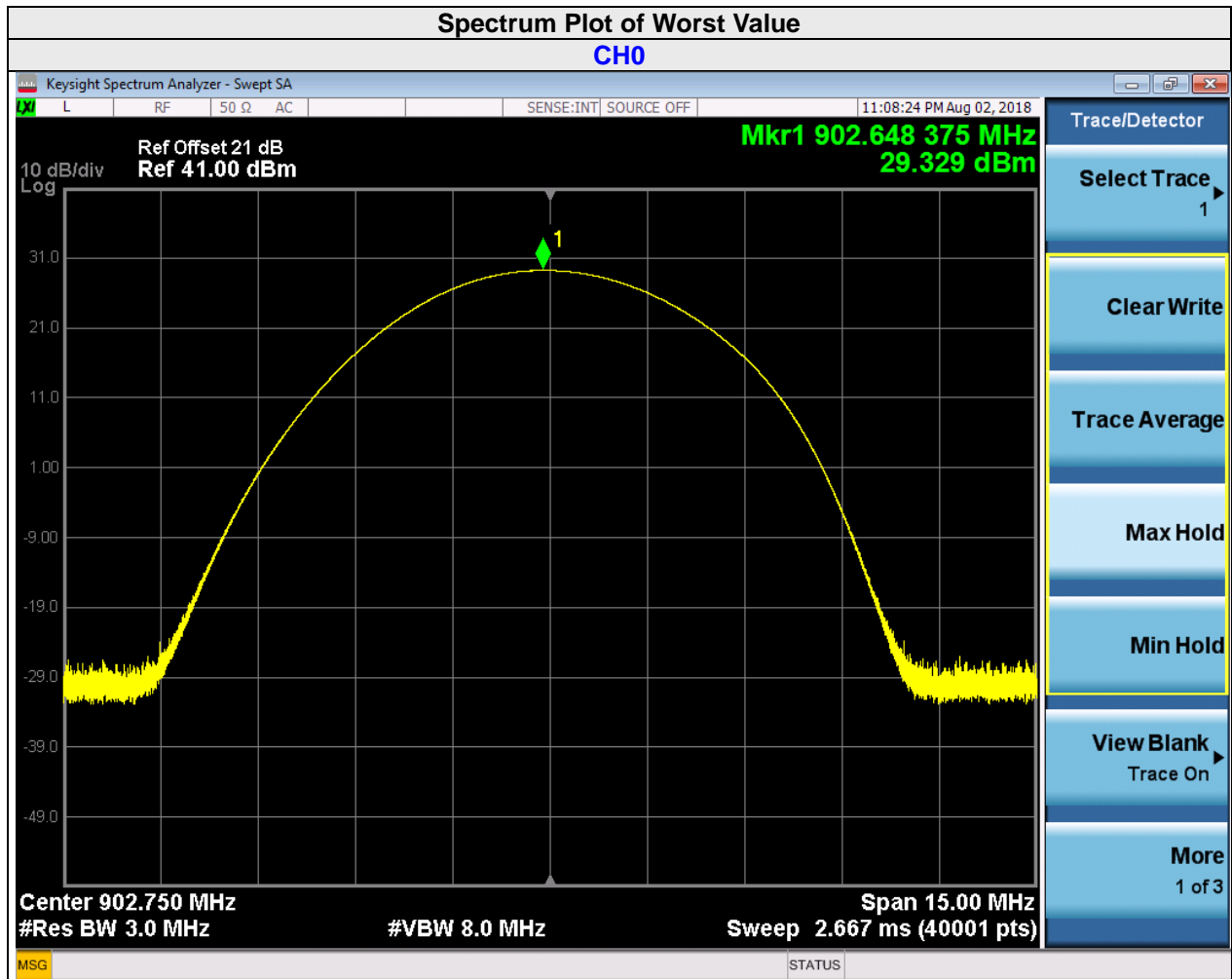
4.2.7 Test Results (Mode 1)

| Channel | Frequency (MHZ) | Output Power (mW) | Output Power (dBm) | Power Limit (mW) | Pass / Fail |
|---------|-----------------|-------------------|--------------------|------------------|-------------|
| 0 | 902.75 | 931.108 | 29.69 | 30.00 | Pass |
| 24 | 914.75 | 860.994 | 29.35 | 30.00 | Pass |
| 49 | 927.25 | 849.18 | 29.29 | 30.00 | Pass |



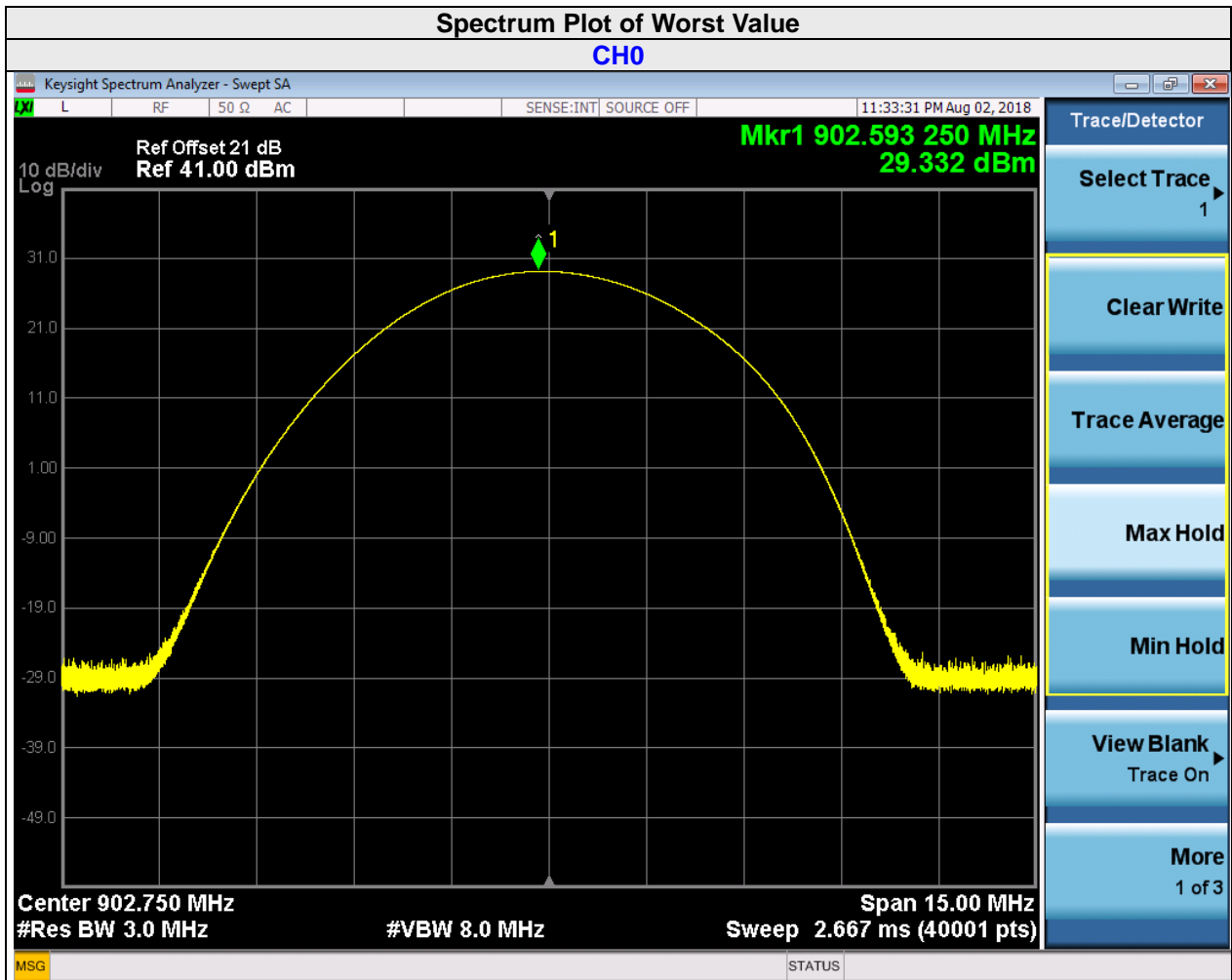
4.2.8 Test Results (Mode 2)

| Channel | Frequency (MHZ) | Output Power (mW) | Output Power (dBm) | Power Limit (mW) | Pass / Fail |
|---------|-----------------|-------------------|--------------------|------------------|-------------|
| 0 | 902.75 | 857.038 | 29.33 | 30.00 | Pass |
| 24 | 914.75 | 827.942 | 29.18 | 30.00 | Pass |
| 49 | 927.25 | 826.038 | 29.17 | 30.00 | Pass |



4.2.9 Test Results (Mode 3)

| Channel | Frequency (MHZ) | Output Power (mW) | Output Power (dBm) | Power Limit (mW) | Pass / Fail |
|---------|-----------------|-------------------|--------------------|------------------|-------------|
| 0 | 902.75 | 857.038 | 29.33 | 30.00 | Pass |
| 24 | 914.75 | 847.227 | 29.28 | 30.00 | Pass |
| 49 | 927.25 | 845.279 | 29.27 | 30.00 | Pass |



5 Pictures of Test Arrangements

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

Appendix – Information on 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.

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

Linkou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

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Web Site: www.bureauveritas-adt.com

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

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