



CFR 47 FCC PART 15 SUBPART C

TEST REPORT

For

Savage AWD OFFROAD RACER

MODEL NUMBER: SC-6152, SC-6153, SC-6154

FCC ID: 2ASK3SC-6152R

REPORT NUMBER: 4789980544.1-2

ISSUE DATE: June 18, 2021

Prepared for

AMAX INDUSTRIAL GROUP CHINA CO.,LTD OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L TUNG CHOI STREET MONGKOK KOWLOON HONG KONG

Prepared by

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Revision History

| Rev. | Issue Date | Revisions | Revised By |
|------|------------|---------------|------------|
| V0 | 06/18/2021 | Initial Issue | |





| Summary of Test Results | | | | | |
|-------------------------|---|--|-------------------------|--|--|
| Clause Test Items | | FCC Rules | Test Results | | |
| 1 | 20dB Bandwidth | CFR 47 FCC §15.215 (c) | Pass | | |
| 2 | Radiated Emission | CFR 47 FCC §15.249 (a)(d)(e) CFR 47 FCC §15.205 and §15.209 | Pass | | |
| 3 | Conducted Emission Test for AC Power Port | FCC Part 15.207 | Not Applicable (Note 3) | | |
| 4 | Antenna Requirement | CFR 47 FCC §15.203 | Pass | | |

Note 1: This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

Note 2: The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 15 SUBPART C > when <Accuracy Method> decision rule is applied.

Note 3: The EUT was power by battery but can't be charged with the EUT.



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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: AMAX INDUSTRIAL GROUP CHINA CO.,LTD

Address: OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L

TUNG CHOI STREET MONGKOK KOWLOON HONG KONG

Manufacturer Information

Company Name: AMAX INDUSTRIAL GROUP CHINA CO.,LTD

Address: OFFICE NO.3 10/F WITTY COMMERCIAL BUILDING 1A-1L

TUNG CHOI STREET MONGKOK KOWLOON HONG KONG

EUT Information

EUT Name: Savage AWD OFFROAD RACER Model: SC-6152, SC-6153, SC-6154

Serial Model: Please refer to clause 5.1. Description of EUT

Sample Received Date: June 11, 2021

Sample Status: Normal Sample ID: 3995361

Date of Tested: June 11, 2021 ~ June 17, 2021

| APPLICABLE STANDARDS | | | |
|------------------------------|------|--|--|
| STANDARD TEST RESULTS | | | |
| CFR 47 FCC PART 15 SUBPART C | PASS | | |

| Prepared By: | Checked By: | |
|------------------------------|--------------------------------|--|
| Darry Grang | Shemmelier | |
| Denny Huang Project Engineer | Shawn Wen Laboratory Leader | |

Approved By:

Stephen Guo

Laboratory Manager

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 414788 D01 Radiated Test Site v01r01, FCC CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

| | A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. |
|------------------------------|--|
| | has been assessed and proved to be in compliance with A2LA. |
| Accreditation Certificate | FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B, the VCCI registration No. is C-20012 and T-20011 |

Note:

- All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China
- 2. The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.
- 3. For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.



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4. CALIBRATION AND UNCERTAINTY

MEASURING INSTRUMENT CALIBRATION 4.1.

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. **MEASUREMENT UNCERTAINTY**

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Test Item | Uncertainty |
|--|---------------------------|
| Conduction emission | 3.62 dB |
| Radiation Emission test (Include Fundamental emission) (9 kHz ~ 30 MHz) | 2.2 dB |
| Radiation Emission test (Include Fundamental emission) (30 MHz ~ 1GHz) | 4.00 dB |
| Radiation Emission test | 5.78 dB (1 GHz ~ 18 GHz) |
| (1 GHz ~ 26 GHz) (Include Fundamental emission) | 5.23 dB (18 GHz ~ 26 GHz) |

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

| EUT Name | Savage AWD OFFROAD RACER | | |
|---------------------|---|---------------------|--|
| Model | SC-6152, SC-6153, SC-6154 | | |
| Model differences | SC-6153 and SC-6154 have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction with SC-6152. The difference lies only the model number and color. | | |
| Product Description | Operation Frequency | 2438 MHz ~ 2442 MHz | |
| Product Description | Modulation Type | odulation Type GFSK | |
| Battery | DC 7.4 V, 1500 mAh, 11.1 Wh | | |

5.2. **MAXIMUM FIELD STRENGTH**

| Frequency (MHz) | Channel Number | Max Peak field strength (dBµV/m) | |
|--------------------|----------------|----------------------------------|--|
| 2438 | 1[3] | 90.72 | |

5.3. CHANNEL LIST

| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|--------------------|---------|--------------------|---------|--------------------|
| 1 | 2438 | 2 | 2440 | 3 | 2442 |

DESCRIPTION OF AVAILABLE ANTENNAS 5.4.

| Ant. | Frequency (MHz) | Antenna Type | Antenna Gain (dBi) |
|------|-----------------|--------------|--------------------|
| 1 | 2438 ~ 2442 | Wire Antenna | 2 |

| Test Mode | Transmit and Receive Mode | Description |
|-----------|---------------------------|--|
| GFSK | ⊠1TX | Antenna 1 can be used as transmitting antenna. |



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5.5. TEST CHANNEL CONFIGURATION

| Test Mode | Test Channel | Frequency |
|-----------|------------------|------------------------------|
| GFSK | CH 1, CH 2, CH 3 | 2438 MHz, 2440 MHz, 2442 MHz |

5.6. THE WORSE CASE POWER SETTING PARAMETER

| The Worse Case Power Setting Parameter under 2438 MHz ~ 2442 MHz Band | | | | |
|---|------------------|--------------|---------|---------|
| Test Software Version | | / | | |
| Modulation Type | Transmit Antenna | Test Channel | | |
| | Number | CH 1 | CH 2 | CH 3 |
| GFSK | 1 | Default | Default | Default |



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5.7. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

| Item | Equipment | Brand Name | Model Name | P/N |
|------|-----------|------------|------------|-----|
| / | / | / | / | / |

I/O CABLES

| Cable No | Port | Connector Type | Cable Type | Cable Length(m) | Remarks |
|----------|------|----------------|------------|-----------------|---------|
| / | / | / | / | / | / |

ACCESSORY

| Item | Equipment | Mfr/Brand | Model/Type No. | Specification | Series No. |
|------|-----------|-----------|----------------|---------------|------------|
| / | / | / | / | / | / |

TEST SETUP

The EUT have the engineer mode inside.

SETUP DIAGRAM FOR TEST

EUT



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5.8. MEASURING INSTRUMENT AND SOFTWARE USED

| | Radiated Emissions | | | | | | | |
|-------------------------|-----------------------------------|-----------------------------|-------------------------------------|---------------|-------------------|----|----------------|----------------|
| | | | | Instrui | ment | | | |
| Used | Equipment | Manufacturer | Mode | l No. | Serial No. | | Last Cal. | Next Cal. |
| V | MXE EMI Receiver | KESIGHT | N903 | 38A | MY5640003 | 36 | Nov. 12, 2020 | Nov. 11, 2021 |
| | Hybrid Log Periodic Antenna | TDK | HLP-3 | 003C | 130960 | | Aug. 11, 2018 | Aug. 10, 2021 |
| | Preamplifier | HP | 844 | 7D | 2944A0909 | 9 | Nov. 12, 2020 | Nov. 11, 2021 |
| | EMI Measurement Receiver | R&S | ESR | 26 | 101377 | | Nov. 12, 2020 | Nov. 11, 2021 |
| $\overline{\checkmark}$ | Horn Antenna | TDK | HRN- | 0118 | 130939 | | Sept. 17, 2018 | Sept. 17, 2021 |
| \square | Preamplifier | TDK | PA-02- | 0118 | TRS-305- 00067 | , | Nov. 20, 2020 | Nov. 19, 2021 |
| $\overline{\checkmark}$ | Horn Antenna | Schwarzbeck | BBHA | 9170 | #691 | | Aug. 11, 2018 | Aug. 11, 2021 |
| V | Preamplifier | TDK | PA-0 | 2-2 | TRS-307- 00003 | | Nov. 12, 2020 | Nov. 11, 2021 |
| V | Preamplifier | TDK | PA-0 | 2-3 | TRS-308- 00002 | | Nov. 12, 2020 | Nov. 11, 2021 |
| \checkmark | Loop antenna | Schwarzbeck | 151 | 9B | 80000 | | Jan.17, 2019 | Jan.17,2022 |
| V | Preamplifier | TDK | PA-02- 300 | | TRS-302- 00050 | | Nov. 12, 2020 | Nov. 11, 2021 |
| V | Preamplifier | Mini-Circuits | ZX60-8 S- | ŀ | SUP012019 | 41 | Nov. 20, 2020 | Nov. 19, 2021 |
| V | Band Reject Filter | Wainwright | WRC. 2350-2 2483 2533.5- | 2400- 3.5- | 4 | | Nov. 12, 2020 | Nov. 11, 2021 |
| \checkmark | High Pass Filter | Wi | WHKX10- 2700-3000- 18000-40SS | | 23 | | Nov. 12, 2020 | Nov. 11, 2021 |
| | Software | | | | | | | |
| Used | Used Description | | | Mar | nufacturer | | Name | Version |
| V | | vare for Radia sturbance | ted | | | | EZ-EMC | Ver. UL-3A1 |

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6. ANTENNA PORT TEST RESULTS

6.1. ON TIME AND DUTY CYCLE

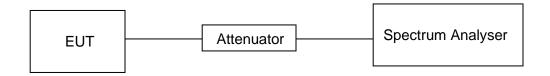
LIMITS

None; for reporting purposes only

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method

TEST SETUP



TEST ENVIRONMENT

| Temperature | 25.8 °C | Relative Humidity | 52.0 % |
|---------------------|---------|-------------------|----------|
| Atmosphere Pressure | 101 kPa | Test Voltage | DC 7.4 V |

RESULTS

| Mode | On Time (msec) | Period (msec) | Duty Cycle x (Linear) | Duty Cycle (%) | Duty Cycle Correction Factor (db) |
|------|-------------------|------------------|-----------------------------|-------------------|---|
| GFSK | 10 | 100 | 0.1 | 10 | -20 |

Note: Duty Cycle Correction Factor=20log(x).

Where: x is Duty Cycle

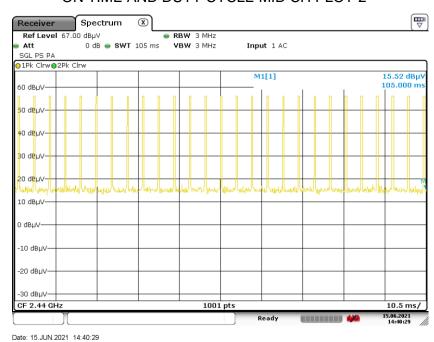


ON TIME AND DUTY CYCLE MID CH PLOT



Date: 15.JUN.2021 14:41:16

ON TIME AND DUTY CYCLE MID CH PLOT-2



Note: All the modes had been tested, but only the worst duty cycle recorded in the report.



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6.2. 20 dB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

| CFR 47 FCC Part15 (15.249) Subpart C | | | | | |
|--------------------------------------|---------------------------|------------------------------|-------------|--|--|
| Section | Frequency Range (MHz) | | | | |
| CFR 47 FCC §15.215 (c) | 20dB Bandwidth | for reporting purposes only | 2400-2483.5 | | |
| ISED RSS-Gen Clause 6.7 Issue 5 | 99% Occupied Bandwidth | For reporting purposes only. | 2400-2483.5 | | |

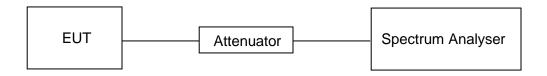
TEST PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

| Center Frequency | The center frequency of the channel under test |
|------------------|--|
| Detector | Peak |
| RBW | 1% to 5% of the occupied bandwidth |
| VBW | approximately 3xRBW |
| Trace | Max hold |
| Sweep | Auto couple |

Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB/99% relative to the maximum level measured in the fundamental emission.

TEST SETUP



TEST ENVIRONMENT

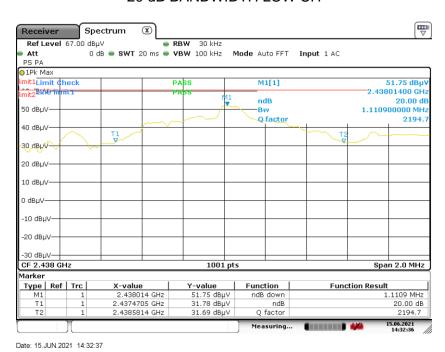
| Temperature | 25.8 °C | Relative Humidity | 52.0 % |
|---------------------|---------|-------------------|----------|
| Atmosphere Pressure | 101 kPa | Test Voltage | DC 7.4 V |



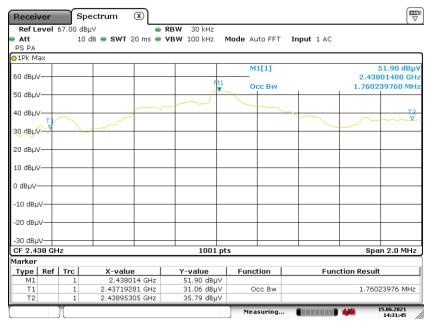
RESULTS

| Frequency (MHz) | 20 dB bandwidth (MHz) | 99 % bandwidth (MHz) | Result |
|--------------------|--------------------------|-------------------------|--------|
| 2438 | 1.1109 | 1.7602 | PASS |

20 dB BANDWIDTH LOW CH



99 % OCCUPIED BANDWIDTH LOW CH



Date: 15.JUN.2021 14:31:45



Frequency (MHz)

20dB bandwidth (MHz)

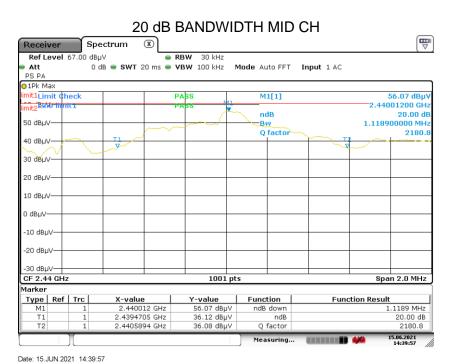
99% bandwidth (MHz)

Result

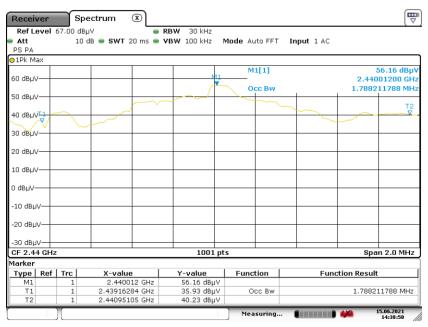
1.1189

1.7882

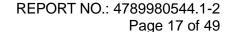
PASS



99 % OCCUPIED BANDWIDTH MID CH



Date: 15.JUN.2021 14:38:50

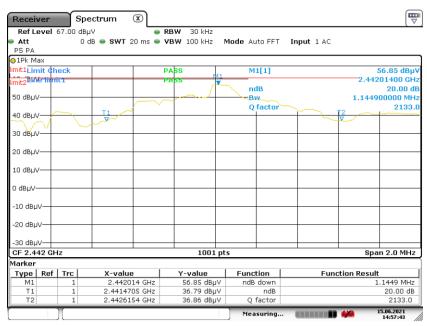




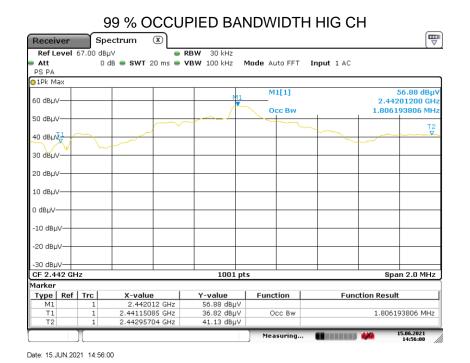
 Frequency (MHz)
 20dB bandwidth (MHz)
 99% bandwidth (MHz)
 Result

 2442
 1.1449
 1.8062
 PASS

20 dB BANDWIDTH HIG CH



Date: 15.JUN.2021 14:57:44



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7. RADIATED TEST RESULTS 7.1. LIMITS AND PROCEDURE

LIMITS

CFR 47 FCC §15.205 and §15.209

CFR 47 FCC §15.249 (a)(d)(c)(e)

| The field strength of emissions from intentional radiators operated within these frequency bands | | | | | | | | |
|--|---|------------------------|---|--|--|--|--|--|
| Frequency (MHz) | . , , , , , , , , , , , , , , , , , , , | | | | | | | |
| 902 - 928 | 50 mV/m (94dBuV/m) | 500 uV/m (54dBuV/m) | 3 | | | | | |
| 2400 – 2483.5 | 50 mV/m (94dBuV/m) | 500 uV/m (54dBuV/m) | 3 | | | | | |
| 5725 – 5875 | 50 mV/m (94dBuV/m) | 500 uV/m (54dBuV/m) | 3 | | | | | |

| Emissions radiated outside of the specified frequency bands above 30MHz | | | | | | | |
|---|----------------------|----------------------|-----------|--|--|--|--|
| Frequency Range | Field Strength Limit | Field Strength Limit | | | | | |
| (MHz) | (uV/m) at 3 m | (dBuV/m | n) at 3 m | | | | |
| (1411 12) | (4 7/11) 41 3 111 | Quasi | -Peak | | | | |
| 30 - 88 | 100 | 40 | | | | | |
| 88 - 216 | 150 | 43.5 | | | | | |
| 216 - 960 | 200 | 46 | | | | | |
| Above 960 | 500 | 54 | | | | | |
| Above 1000 | 500 | Peak | Average | | | | |
| Above 1000 | 500 | 74 | 54 | | | | |

| FCC Emissions radiated outside of the specified frequency bands below 30MHz | | | | | | | |
|---|--------------|-----|--|--|--|--|--|
| Frequency (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 | | | | | | | |



FCC Restricted bands of operation:

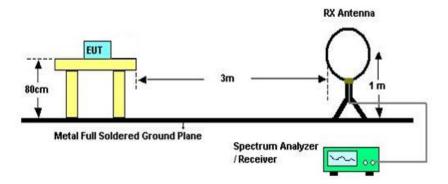
| MHz | MHz | MHz | GHz |
|--------------------------|---------------------|---------------|------------------|
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| ¹ 0.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 6.26775-6.26825 | 108-121.94 | 1718.8-1722.2 | 13.25-13.4 |
| 6.31175-6.31225 | 123-138 | 2200-2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | (²) |
| 13.36-13.41 | | | |

Note: 1 Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. 2 Above 38.6c



TEST SETUP AND PROCEDURE

Below 30 MHz



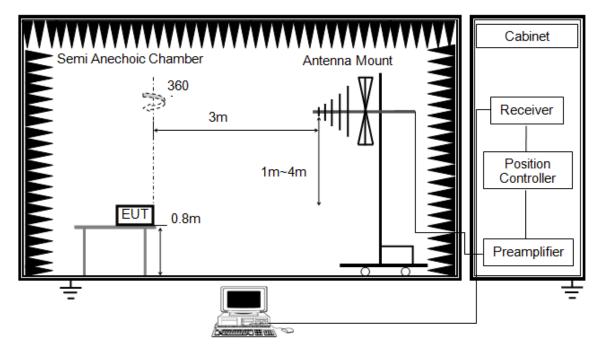
The setting of the spectrum analyser

| RBW | 200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz) |
|----------|--|
| VBW | 200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz) |
| Sweep | Auto |
| Detector | Peak/QP/ Average |
| Trace | Max hold |

- 1. The testing follows the guidelines in ANSI C63.10-2013.
- 2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80cm meter above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1m height antenna tower.
- 5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
- 6. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open field site. Therefore, the sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.



Below 1 GHz



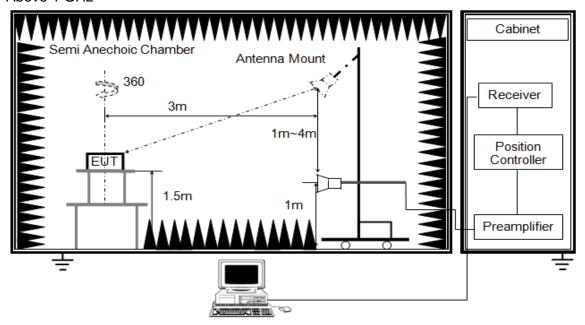
The setting of the spectrum analyser

| RBW | 120 kHz |
|----------|----------|
| VBW | 300 kHz |
| Sweep | Auto |
| Detector | Peak/QP |
| Trace | Max hold |

- 1. The testing follows the guidelines in ANSI C63.10-2013.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured



Above 1 GHz



The setting of the spectrum analyser. (For Bandedge and Field strength)

| RBW | ≥ OBW (2 MHz) |
|----------|----------------------------------|
| IV/BW/ | PEAK: ≥ 3×RBW AVG: see note 5 |
| Sweep | Auto |
| Detector | Peak |
| Trace | Max hold |

The setting of the spectrum analyser. (For Spurious emissions)

| RBW | 1 MHz |
|----------|--------------------------------|
| 11/81/// | PEAK: 3 MHz AVG: see note 5 |
| Sweep | Auto |
| Detector | Peak |
| Trace | Max hold |

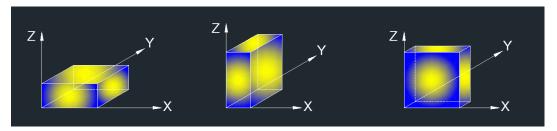
- 1. The testing follows the guidelines in ANSI C63.10-2013.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (1.5 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter or band reject filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 150cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.



5. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements. Where necessary, average emission are determined by applying the Duty Cycle Correction Factor to the peak measurements. For the Duty Cycle and Correction Factor please refer to clause 6.1. ON TIME AND DUTY CYCLE.

6. For measurements Bandedge above 1 GHz, the resolution bandwidth is set to 2 MHz, then the video bandwidth is set to $\ge 3 \times RBW$ for peak measurements. This test results are worse than using 1 MHz resolution bandwidth, so if the result is pass, the test is considered to meet the standard requirements.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

TEST ENVIRONMENT

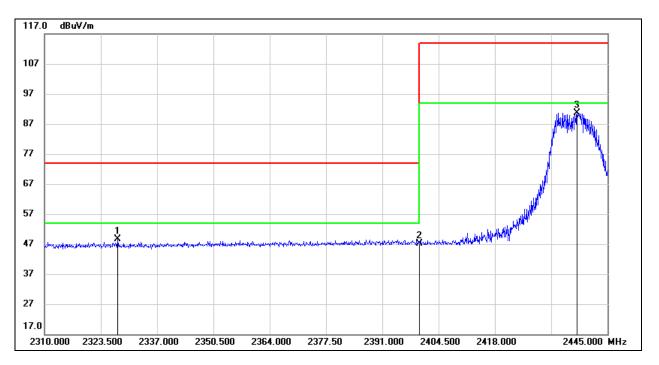
| Temperature | 25.8 °C | Relative Humidity | 52.0 % |
|---------------------|---------|-------------------|----------|
| Atmosphere Pressure | 101 kPa | Test Voltage | DC 7.4 V |



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7.2. RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS

$\frac{\textbf{RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL,}}{\textbf{HORIZONTAL})}$

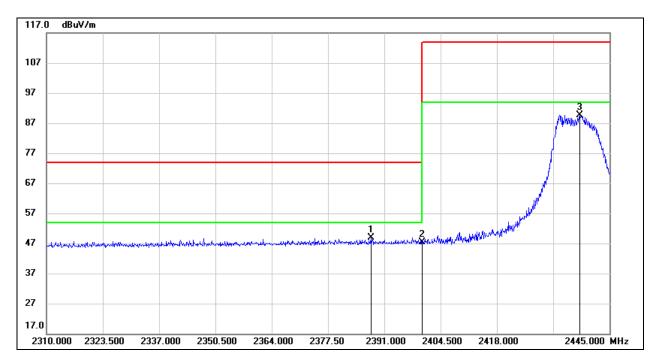


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 2327.550 | 15.71 | 32.87 | 48.58 | 74.00 | -25.42 | peak |
| 2 | 2400.000 | 13.79 | 33.43 | 47.22 | 74.00 | -26.78 | peak |
| 3 | 2437.710 | 57.16 | 33.56 | 90.72 | 114.00 | -23.28 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



$\frac{\text{RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (LOW CHANNEL,}}{\text{VERTICAL})}$

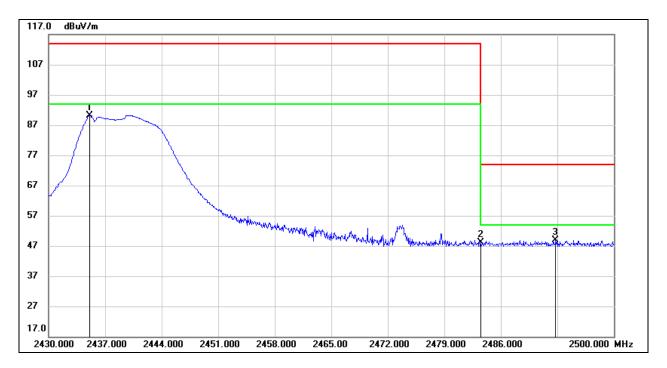


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 2387.760 | 15.63 | 33.34 | 48.97 | 74.00 | -25.03 | peak |
| 2 | 2400.000 | 13.95 | 33.43 | 47.38 | 74.00 | -26.62 | peak |
| 3 | 2437.845 | 55.97 | 33.56 | 89.53 | 114.00 | -24.47 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



FIELD STRENGTH OF INTENTIONAL EMISSIONS (MIDDLE CHANNEL, HORIZONTAL)

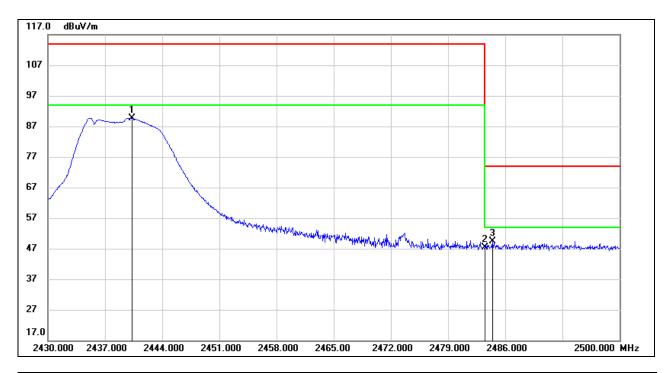


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 2435.110 | 56.66 | 33.54 | 90.20 | 114.00 | -23.80 | peak |
| 2 | 2483.500 | 14.53 | 33.71 | 48.24 | 74.00 | -25.76 | peak |
| 3 | 2492.790 | 15.09 | 33.74 | 48.83 | 74.00 | -25.17 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



FIELD STRENGTH OF INTENTIONAL EMISSIONS (MIDDLE CHANNEL, VERTICAL)

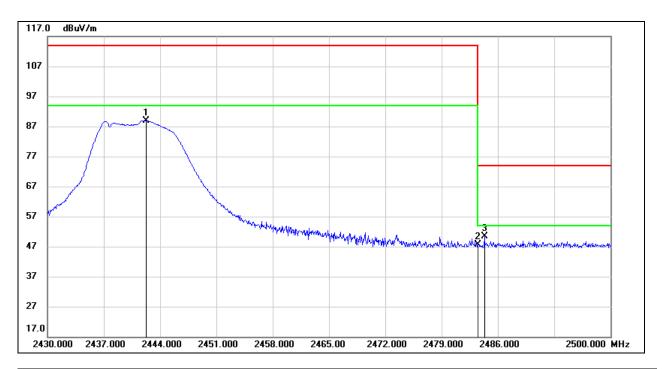


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 2440.290 | 56.09 | 33.56 | 89.65 | 114.00 | -24.35 | peak |
| 2 | 2483.500 | 13.55 | 33.71 | 47.26 | 74.00 | -26.74 | peak |
| 3 | 2484.460 | 15.56 | 33.71 | 49.27 | 74.00 | -24.73 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, HORIZONTAL)

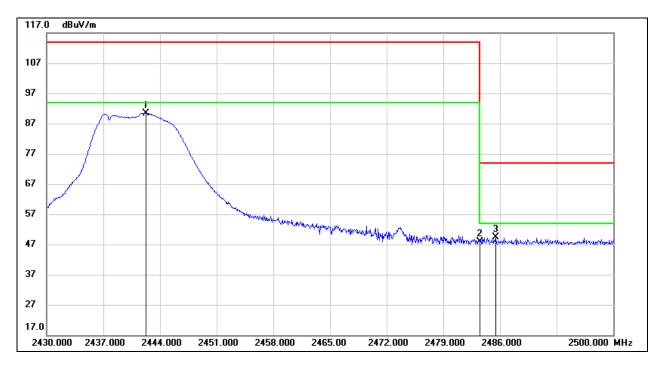


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 2442.250 | 55.36 | 33.57 | 88.93 | 114.00 | -25.07 | peak |
| 2 | 2483.500 | 14.02 | 33.71 | 47.73 | 74.00 | -26.27 | peak |
| 3 | 2484.320 | 16.55 | 33.71 | 50.26 | 74.00 | -23.74 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.



RESTRICTED BANDEDGE AND FIELD STRENGTH OF INTENTIONAL EMISSIONS (HIGH CHANNEL, VERTICAL)



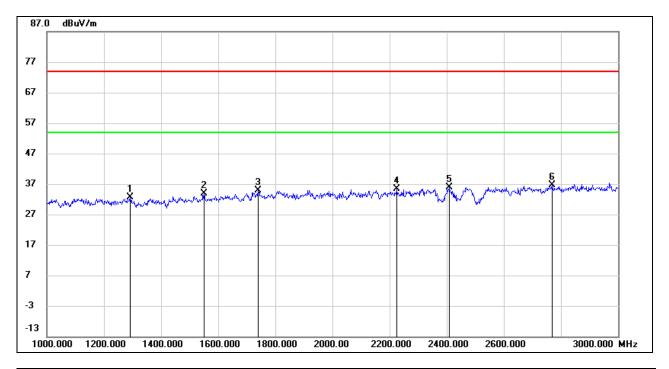
| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 2442.250 | 56.92 | 33.57 | 90.49 | 114.00 | -23.51 | peak |
| 2 | 2483.500 | 14.05 | 33.71 | 47.76 | 74.00 | -26.24 | peak |
| 3 | 2485.510 | 15.75 | 33.71 | 49.46 | 74.00 | -24.54 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Only the worst emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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7.3. SPURIOUS EMISSIONS (1 ~ 3 GHz)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

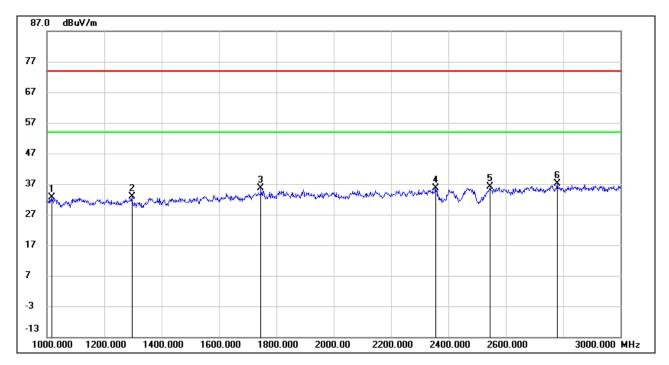


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1292.000 | 45.37 | -12.85 | 32.52 | 74.00 | -41.48 | peak |
| 2 | 1550.000 | 45.87 | -11.90 | 33.97 | 74.00 | -40.03 | peak |
| 3 | 1740.000 | 45.34 | -10.51 | 34.83 | 74.00 | -39.17 | peak |
| 4 | 2224.000 | 44.33 | -8.97 | 35.36 | 74.00 | -38.64 | peak |
| 5 | 2408.000 | 44.32 | -8.39 | 35.93 | 74.00 | -38.07 | peak |
| 6 | 2768.000 | 43.33 | -6.76 | 36.57 | 74.00 | -37.43 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
 - 5. Proper operation of the transmitter prior to adding the filter to the measurement chain



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

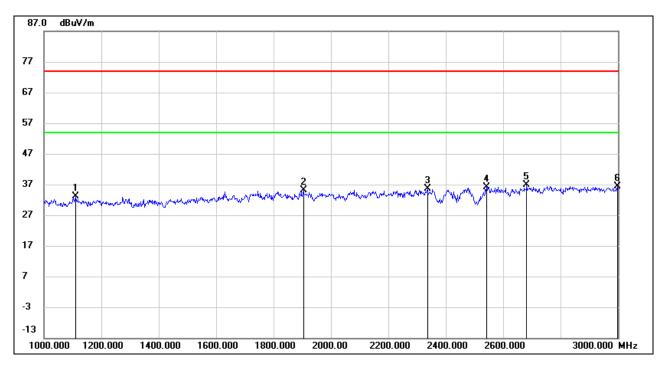


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1018.000 | 46.52 | -13.89 | 32.63 | 74.00 | -41.37 | peak |
| 2 | 1296.000 | 45.65 | -12.85 | 32.80 | 74.00 | -41.20 | peak |
| 3 | 1746.000 | 46.00 | -10.46 | 35.54 | 74.00 | -38.46 | peak |
| 4 | 2356.000 | 44.21 | -8.54 | 35.67 | 74.00 | -38.33 | peak |
| 5 | 2546.000 | 44.22 | -8.06 | 36.16 | 74.00 | -37.84 | peak |
| 6 | 2780.000 | 43.76 | -6.68 | 37.08 | 74.00 | -36.92 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
 - 5. Proper operation of the transmitter prior to adding the filter to the measurement chain

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HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

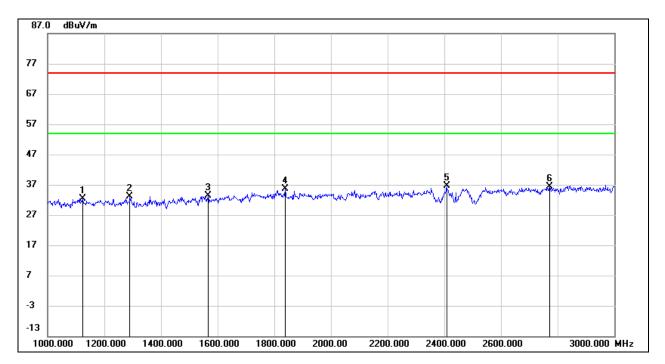


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1110.000 | 46.52 | -13.43 | 33.09 | 74.00 | -40.91 | peak |
| 2 | 1904.000 | 45.21 | -10.12 | 35.09 | 74.00 | -38.91 | peak |
| 3 | 2336.000 | 44.12 | -8.61 | 35.51 | 74.00 | -38.49 | peak |
| 4 | 2542.000 | 44.30 | -8.07 | 36.23 | 74.00 | -37.77 | peak |
| 5 | 2682.000 | 44.13 | -7.34 | 36.79 | 74.00 | -37.21 | peak |
| 6 | 2998.000 | 41.90 | -5.60 | 36.30 | 74.00 | -37.70 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
 - 5. Proper operation of the transmitter prior to adding the filter to the measurement chain



HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

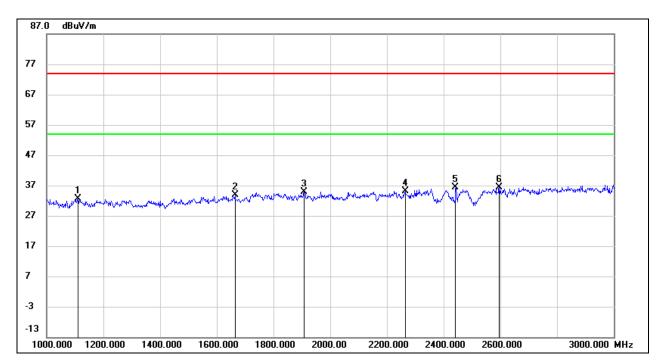


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1124.000 | 45.78 | -13.37 | 32.41 | 74.00 | -41.59 | peak |
| 2 | 1290.000 | 45.93 | -12.86 | 33.07 | 74.00 | -40.93 | peak |
| 3 | 1566.000 | 45.22 | -11.79 | 33.43 | 74.00 | -40.57 | peak |
| 4 | 1838.000 | 45.77 | -10.08 | 35.69 | 74.00 | -38.31 | peak |
| 5 | 2408.000 | 45.00 | -8.39 | 36.61 | 74.00 | -37.39 | peak |
| 6 | 2772.000 | 43.15 | -6.74 | 36.41 | 74.00 | -37.59 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
 - 5. Proper operation of the transmitter prior to adding the filter to the measurement chain



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

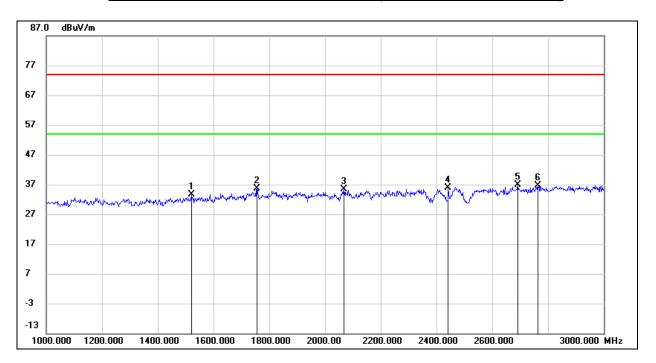


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1110.000 | 46.04 | -13.43 | 32.61 | 74.00 | -41.39 | peak |
| 2 | 1664.000 | 44.96 | -11.08 | 33.88 | 74.00 | -40.12 | peak |
| 3 | 1908.000 | 44.93 | -10.12 | 34.81 | 74.00 | -39.19 | peak |
| 4 | 2264.000 | 44.00 | -8.84 | 35.16 | 74.00 | -38.84 | peak |
| 5 | 2442.000 | 44.77 | -8.32 | 36.45 | / | / | fundamental |
| 6 | 2596.000 | 44.34 | -7.88 | 36.46 | 74.00 | -37.54 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
 - 5. Proper operation of the transmitter prior to adding the filter to the measurement chain



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



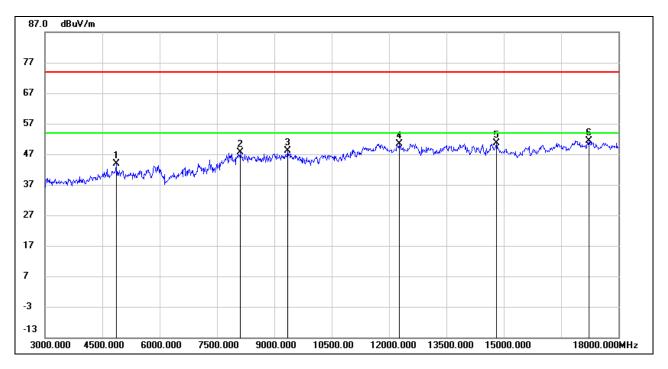
| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1520.000 | 45.82 | -12.09 | 33.73 | 74.00 | -40.27 | peak |
| 2 | 1756.000 | 46.01 | -10.38 | 35.63 | 74.00 | -38.37 | peak |
| 3 | 2068.000 | 45.12 | -9.80 | 35.32 | 74.00 | -38.68 | peak |
| 4 | 2442.000 | 44.19 | -8.32 | 35.87 | / | / | fundamental |
| 5 | 2692.000 | 44.27 | -7.27 | 37.00 | 74.00 | -37.00 | peak |
| 6 | 2764.000 | 43.42 | -6.79 | 36.63 | 74.00 | -37.37 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band Reject Filter losses.
 - 5. Proper operation of the transmitter prior to adding the filter to the measurement chain

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7.4. SPURIOUS EMISSIONS (3~18GHz)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



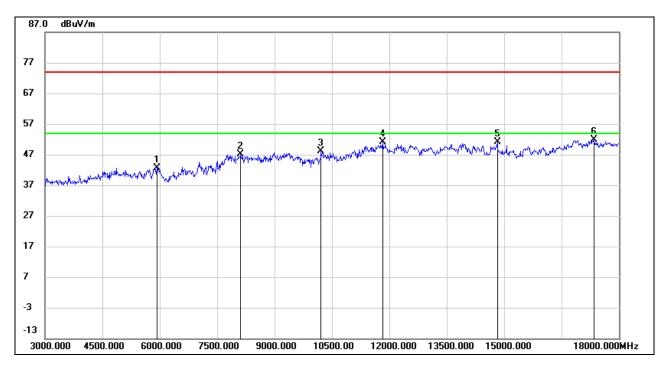
| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 4860.000 | 42.51 | 1.33 | 43.84 | 74.00 | -30.16 | peak |
| 2 | 8115.000 | 37.52 | 10.13 | 47.65 | 74.00 | -26.35 | peak |
| 3 | 9345.000 | 37.54 | 10.66 | 48.20 | 74.00 | -25.80 | peak |
| 4 | 12270.000 | 34.39 | 16.04 | 50.43 | 74.00 | -23.57 | peak |
| 5 | 14805.000 | 32.63 | 18.00 | 50.63 | 74.00 | -23.37 | peak |
| 6 | 17220.000 | 29.30 | 22.12 | 51.42 | 74.00 | -22.58 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



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HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

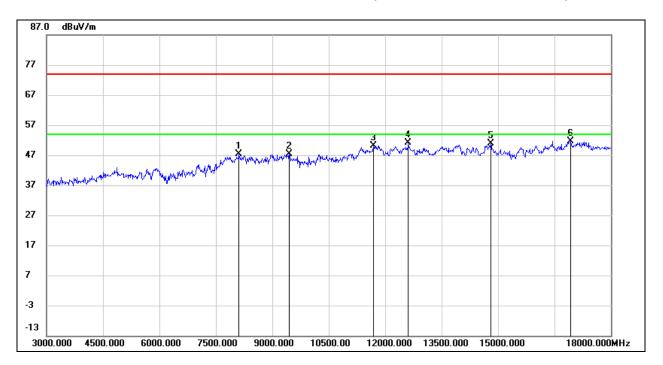


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5925.000 | 38.23 | 4.38 | 42.61 | 74.00 | -31.39 | peak |
| 2 | 8115.000 | 37.12 | 10.13 | 47.25 | 74.00 | -26.75 | peak |
| 3 | 10215.000 | 36.64 | 11.54 | 48.18 | 74.00 | -25.82 | peak |
| 4 | 11820.000 | 35.82 | 15.29 | 51.11 | 74.00 | -22.89 | peak |
| 5 | 14820.000 | 33.17 | 17.91 | 51.08 | 74.00 | -22.92 | peak |
| 6 | 17355.000 | 29.67 | 22.20 | 51.87 | 74.00 | -22.13 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

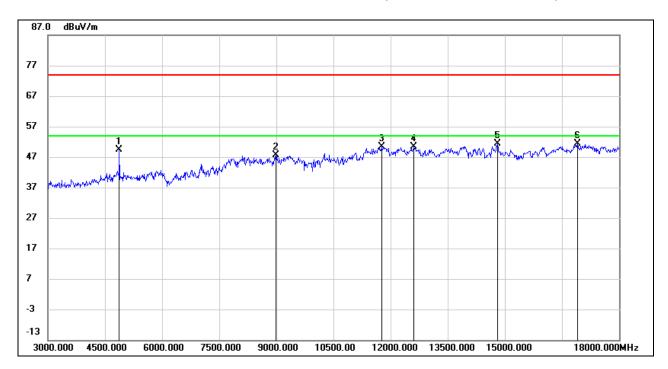


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8115.000 | 37.13 | 10.13 | 47.26 | 74.00 | -26.74 | peak |
| 2 | 9450.000 | 36.56 | 10.75 | 47.31 | 74.00 | -26.69 | peak |
| 3 | 11685.000 | 34.98 | 15.26 | 50.24 | 74.00 | -23.76 | peak |
| 4 | 12615.000 | 35.43 | 15.75 | 51.18 | 74.00 | -22.82 | peak |
| 5 | 14805.000 | 32.91 | 18.00 | 50.91 | 74.00 | -23.09 | peak |
| 6 | 16935.000 | 30.20 | 21.45 | 51.65 | 74.00 | -22.35 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

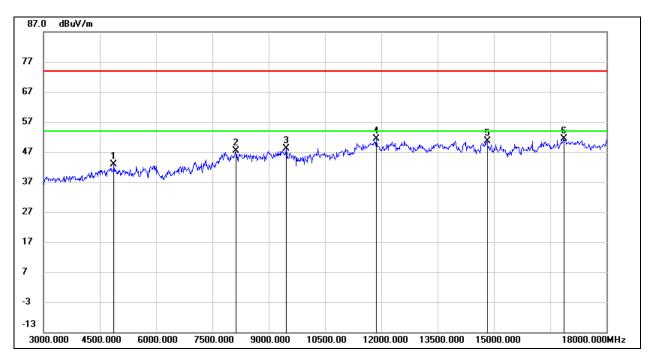


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 4875.000 | 48.14 | 1.32 | 49.46 | 74.00 | -24.54 | peak |
| 2 | 8985.000 | 36.54 | 10.99 | 47.53 | 74.00 | -26.47 | peak |
| 3 | 11760.000 | 35.04 | 15.29 | 50.33 | 74.00 | -23.67 | peak |
| 4 | 12615.000 | 34.69 | 15.75 | 50.44 | 74.00 | -23.56 | peak |
| 5 | 14805.000 | 33.35 | 18.00 | 51.35 | 74.00 | -22.65 | peak |
| 6 | 16905.000 | 29.88 | 21.55 | 51.43 | 74.00 | -22.57 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. The High Pass filter loss factor already add into the correct factor.
- 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

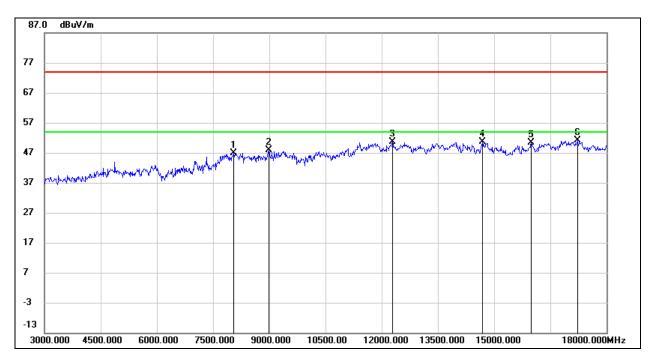


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 4875.000 | 41.48 | 1.32 | 42.80 | 74.00 | -31.20 | peak |
| 2 | 8130.000 | 37.38 | 10.06 | 47.44 | 74.00 | -26.56 | peak |
| 3 | 9465.000 | 37.36 | 10.68 | 48.04 | 74.00 | -25.96 | peak |
| 4 | 11865.000 | 35.89 | 15.42 | 51.31 | 74.00 | -22.69 | peak |
| 5 | 14820.000 | 32.75 | 17.91 | 50.66 | 74.00 | -23.34 | peak |
| 6 | 16860,000 | 30.06 | 21.22 | 51.28 | 74.00 | -22.72 | neak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



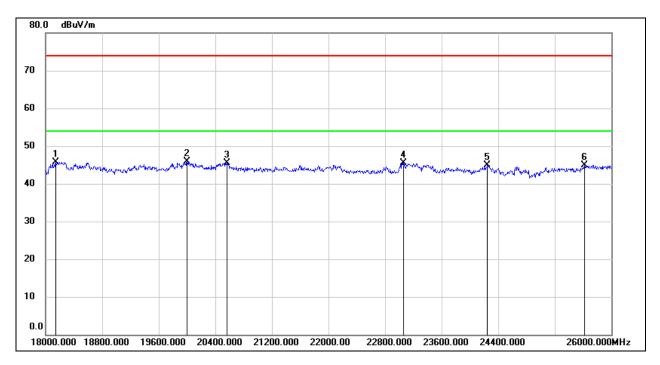
| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8055.000 | 37.48 | 9.48 | 46.96 | 74.00 | -27.04 | peak |
| 2 | 8985.000 | 36.90 | 10.99 | 47.89 | 74.00 | -26.11 | peak |
| 3 | 12285.000 | 34.55 | 16.08 | 50.63 | 74.00 | -23.37 | peak |
| 4 | 14685.000 | 32.92 | 17.64 | 50.56 | 74.00 | -23.44 | peak |
| 5 | 15990.000 | 32.01 | 18.39 | 50.40 | 74.00 | -23.60 | peak |
| 6 | 17220.000 | 29.01 | 22.12 | 51.13 | 74.00 | -22.87 | peak |

- 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Peak: Peak detector.
- 4. AVG Result=Peak Result + Duty Cycle Correction Factor.
- 5. For the Duty Cycle and Correction Factor, please refer to clause 6.1.
- 6. The High Pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



7.5. SPURIOUS EMISSIONS (18 ~ 26 GHz)

<u>HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)</u>



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 18144.000 | 51.27 | -5.48 | 45.79 | 74.00 | -28.21 | peak |
| 2 | 20000.000 | 51.31 | -5.45 | 45.86 | 74.00 | -28.14 | peak |
| 3 | 20560.000 | 50.73 | -5.30 | 45.43 | 74.00 | -28.57 | peak |
| 4 | 23064.000 | 48.99 | -3.42 | 45.57 | 74.00 | -28.43 | peak |
| 5 | 24248.000 | 47.82 | -2.83 | 44.99 | 74.00 | -29.01 | peak |
| 6 | 25616.000 | 46.18 | -1.24 | 44.94 | 74.00 | -29.06 | peak |

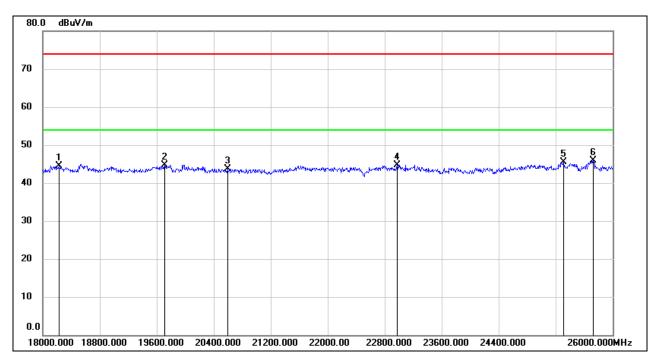
Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 18224.000 | 50.08 | -5.53 | 44.55 | 74.00 | -29.45 | peak |
| 2 | 19712.000 | 50.01 | -5.29 | 44.72 | 74.00 | -29.28 | peak |
| 3 | 20592.000 | 48.95 | -5.26 | 43.69 | 74.00 | -30.31 | peak |
| 4 | 22976.000 | 48.26 | -3.46 | 44.80 | 74.00 | -29.20 | peak |
| 5 | 25312.000 | 47.20 | -1.70 | 45.50 | 74.00 | -28.50 | peak |
| 6 | 25728.000 | 46.61 | -0.72 | 45.89 | 74.00 | -28.11 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

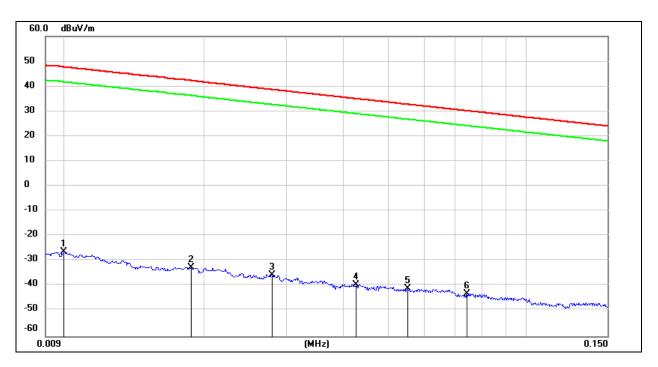
Note: All test modes had been tested, only the was worst data recorded in the report.



7.6. SPURIOUS EMISSIONS BELOW 30 MHz

SPURIOUS EMISSIONS (HIGH CHANNEL, LOOP ANTENNA FACE ON TO THE EUT, WORST-CASE CONFIGURATION)

9 kHz ~ 150 kHz

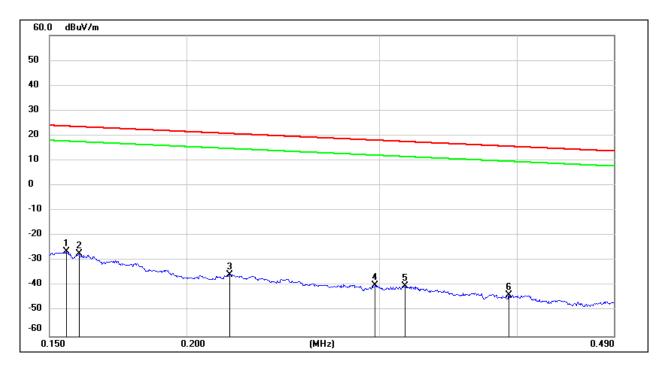


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 0.0100 | 75.22 | -101.40 | -26.18 | 47.60 | -73.78 | peak |
| 2 | 0.0187 | 68.70 | -101.35 | -32.65 | 42.16 | -74.81 | peak |
| 3 | 0.0280 | 65.79 | -101.38 | -35.59 | 38.66 | -74.25 | peak |
| 4 | 0.0427 | 62.14 | -101.45 | -39.31 | 34.99 | -74.30 | peak |
| 5 | 0.0551 | 60.45 | -101.50 | -41.05 | 32.78 | -73.83 | peak |
| 6 | 0.0743 | 58.58 | -101.59 | -43.01 | 30.18 | -73.19 | peak |

- 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
- 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.



150 kHz ~ 490 kHz

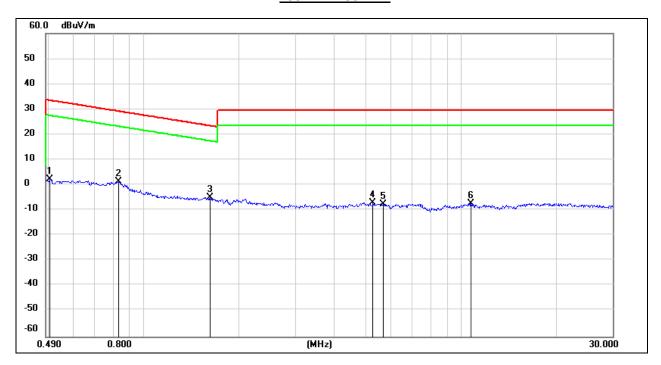


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 0.1554 | 75.27 | -101.65 | -26.38 | 23.77 | -50.15 | peak |
| 2 | 0.1595 | 74.36 | -101.65 | -27.29 | 23.55 | -50.84 | peak |
| 3 | 0.2190 | 66.27 | -101.75 | -35.48 | 20.79 | -56.27 | peak |
| 4 | 0.2972 | 62.16 | -101.85 | -39.69 | 18.14 | -57.83 | peak |
| 5 | 0.3163 | 61.70 | -101.87 | -40.17 | 17.60 | -57.77 | peak |
| 6 | 0.3933 | 58.22 | -101.96 | -43.74 | 15.71 | -59.45 | peak |

- 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
- 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.



490 kHz ~ 30 MHz



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 0.5039 | 64.44 | -62.07 | 2.37 | 33.56 | -31.19 | peak |
| 2 | 0.8296 | 63.44 | -62.17 | 1.27 | 29.23 | -27.96 | peak |
| 3 | 1.6149 | 57.12 | -62.00 | -4.88 | 23.44 | -28.32 | peak |
| 4 | 5.2705 | 54.54 | -61.45 | -6.91 | 29.54 | -36.45 | peak |
| 5 | 5.6836 | 53.85 | -61.40 | -7.55 | 29.54 | -37.09 | peak |
| 6 | 10.7299 | 53.48 | -60.83 | -7.35 | 29.54 | -36.89 | peak |

Note: 1. Measurement = Reading Level + Correct Factor.

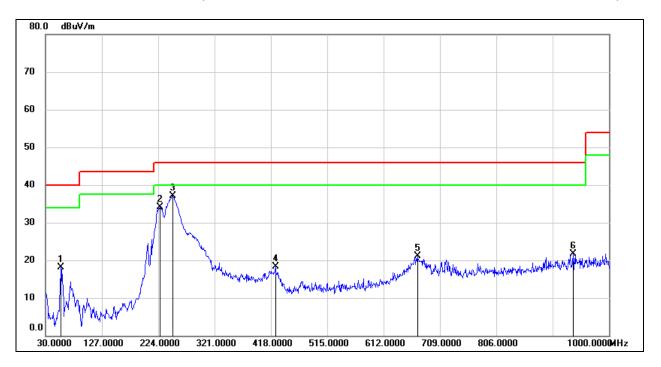
- 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
- 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

Note: All test modes had been tested, only the was worst data recorded in the report.



7.7. SPURIOUS EMISSIONS BELOW 1 GHz AND ABOVE 30 MHz

SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



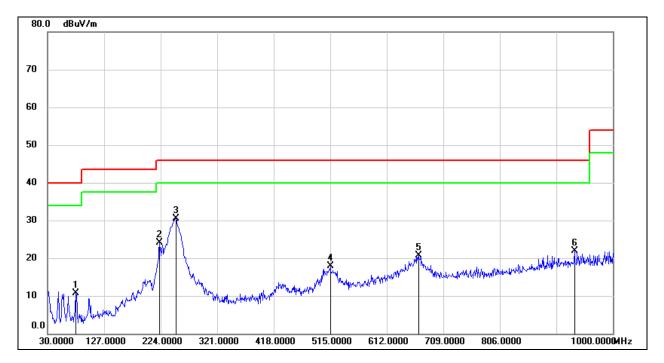
| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 56.1900 | 38.65 | -20.61 | 18.04 | 40.00 | -21.96 | QP |
| 2 | 226.9100 | 52.65 | -18.51 | 34.14 | 46.00 | -11.86 | QP |
| 3 | 249.2200 | 56.11 | -18.94 | 37.17 | 46.00 | -8.83 | QP |
| 4 | 425.7600 | 31.20 | -12.83 | 18.37 | 46.00 | -27.63 | QP |
| 5 | 670.2000 | 29.75 | -8.64 | 21.11 | 46.00 | -24.89 | QP |
| 6 | 938.8900 | 26.24 | -4.52 | 21.72 | 46.00 | -24.28 | QP |

Note: 1. Result Level = Read Level + Correct Factor.

- 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.



SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 78.5000 | 31.92 | -21.23 | 10.69 | 40.00 | -29.31 | QP |
| 2 | 222.0600 | 42.28 | -18.27 | 24.01 | 46.00 | -21.99 | QP |
| 3 | 250.1900 | 49.41 | -18.91 | 30.50 | 46.00 | -15.50 | QP |
| 4 | 515.0000 | 29.15 | -11.17 | 17.98 | 46.00 | -28.02 | QP |
| 5 | 666.3200 | 29.33 | -8.65 | 20.68 | 46.00 | -25.32 | QP |
| 6 | 934.0400 | 26.53 | -4.67 | 21.86 | 46.00 | -24.14 | QP |

Note: 1. Result Level = Read Level + Correct Factor.

- 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

Note: All test modes had been tested, only the was worst data recorded in the report.



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8. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

| <u>RESULTS</u> | |
|----------------|---------------|
| Complies | |
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| | FND OF REPORT |