

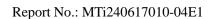
Test Report

| Report No.: | MTi240617010-04E1 |
|----------------|--|
| Date of issue: | 2024-07-16 |
| Applicant: | DongGuan ChuangJie Electronics Co., Ltd. |
| Product name: | Fast Wireless Charging Holder |
| Model(s): | G24, G26, TAC-137, TAC-151, S5 |
| FCC ID: | 2BDOG-G24 |

Shenzhen Microtest Co., Ltd. http://www.mtitest.cn

The test report is only used for customer scientific research, teaching, internal quality control and other purposes, and is for internal reference only.







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- 2. The test results in this test report are only responsible for the samples submitted
- 3. This test report is invalid without the seal and signature of the laboratory.
- 4. This test report is invalid if transferred, altered, or tampered with in any form without authorization.
- 5. Any objection to this test report shall be submitted to the laboratory within 15 days from the date of receipt of the report.





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| Test Result Certification | | | |
|---------------------------|---|--|--|
| Applicant: | DongGuan ChuangJie Electronics Co., Ltd. | | |
| Address: | No.8, Jinxing Road, Jinfenghuang Industrial District, Fenggang Town, Dongguan City | | |
| Manufacturer: | DongGuan ChuangJie Electronics Co., Ltd. | | |
| Address: | No.8, Jinxing Road, Jinfenghuang Industrial District, Fenggang Town, Dongguan City | | |
| Product description | | | |
| Product name: | Fast Wireless Charging Holder | | |
| Trade mark: | N/A | | |
| Model name: | G24 | | |
| Series Model(s): | G26, TAC-137, TAC-151, S5 | | |
| Standards: | 47 CFR Part 15C | | |
| Test Method: | ANSI C63.10-2013 | | |
| Date of Test | | | |
| Date of test: | 2024-06-21 to 2024-07-16 | | |
| Test result: | Pass | | |

| Test Engineer | : | James Qu |
|---------------|---|-------------|
| | | (James Qin) |
| Reviewed By | : | Dowid. Cee |
| | | (David Lee) |
| Approved By | : | leon chen |
| | | (Leon Chen) |



1 General Description

1.1 Description of the EUT

| Fast Wireless Charging Holder |
|--|
| G24 |
| G26, TAC-137, TAC-151, S5 |
| All the models are the same circuit and module, except the model name. |
| Input: 5V/ 2A, 9V/ 2.2A Output: 15W(Max) |
| N/A |
| V1.0 |
| V1.3 |
| MTi240617010-04S1001 |
| |
| 115-205KHz |
| ASK |
| Coil |
| |

1.2 Description of test modes

| No. | Emission test modes |
|-------|-----------------------|
| Mode1 | Wireless Output(5W) |
| Mode2 | Wireless Output(7.5W) |
| Mode3 | Wireless Output(10W) |
| Mode4 | Wireless Output(15W) |
| Mode5 | Stand by |



1.3 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

| Temperature: | 15°C ~ 35°C |
|-----------------------|------------------|
| Humidity: | 20% RH ~ 75% RH |
| Atmospheric pressure: | 98 kPa ~ 101 kPa |

1.4 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.

| Support equipment list | | | | | | |
|-----------------------------|--------------|----------------|--------------|--|--|--|
| Description | Model | Serial No. | Manufacturer | | | |
| HUAWEI QUICK CHARGE(65W) | HW-200200ZP1 | JN67LSN7N03451 | HUAWEI | | | |
| wireless charging load | YBZ1.1 | / | YBZ | | | |
| Support cable list | | | | | | |
| Description | Length (m) | From | То | | | |
| / | / | / | / | | | |

1.5 Measurement uncertainty

| Measurement | Uncertainty |
|--|-------------|
| Conducted emissions (AMN 150kHz~30MHz) | ±3.1dB |
| Occupied channel bandwidth | ±3 % |
| Radiated spurious emissions (9kHz~30MHz) | ±4.3dB |
| Radiated spurious emissions (30MHz~1GHz) | ±4.7dB |
| Temperature | ±1 °C |
| Humidity | ± 5 % |

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



2 Summary of Test Result

| No. | Item | Standard | Requirement | Result |
|-----|--|-----------------|-----------------------|--------|
| 1 | Antenna requirement | 47 CFR Part 15C | 47 CFR Part 15.203 | Pass |
| 2 | Conducted Emission at AC power line | 47 CFR Part 15C | 47 CFR Part 15.207(a) | Pass |
| 3 | 20dB Occupied Bandwidth | 47 CFR Part 15C | 47 CFR Part 15.215(c) | Pass |
| 4 | Emissions in frequency bands (below 30MHz) | 47 CFR Part 15C | 47 CFR Part 15.209 | Pass |
| 5 | Emissions in frequency bands (30MHz - 1GHz) | 47 CFR Part 15C | 47 CFR Part 15.209 | Pass |



3 Test Facilities and accreditations

3.1 Test laboratory

| Test laboratory: | Shenzhen Microtest Co., Ltd. |
|------------------------|--|
| Test site location: | 101, No.7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China |
| Telephone: | (86-755)88850135 |
| Fax: | (86-755)88850136 |
| CNAS Registration No.: | CNAS L5868 |
| FCC Registration No.: | 448573 |
| IC Registration No.: | 21760 |
| CABID: | CN0093 |



4 List of test equipment

| No. | Equipment | Manufacturer | Model | Serial No. | Cal. date | Cal. Due | |
|-------------------------------------|---|--------------------|-----------------|------------|------------|------------|--|
| Conducted Emission at AC power line | | | | | | | |
| 1 | EMI Test Receiver | Rohde&schwarz | ESCI3 | 101368 | 2024-03-20 | 2025-03-19 | |
| 2 | Artificial mains network | Schwarzbeck | NSLK 8127 | 183 | 2024-03-21 | 2025-03-20 | |
| 3 | Artificial Mains Network | Rohde & Schwarz | ESH2-Z5 | 100263 | 2024-03-20 | 2025-03-19 | |
| | | 20dB Oc | cupied Bandwid | th | | | |
| 1 | Wideband Radio Communication Tester | Rohde&schwarz | CMW500 | 149155 | 2024-03-20 | 2025-03-19 | |
| 2 | ESG Series Analog Ssignal Generator | Agilent | E4421B | GB40051240 | 2024-03-21 | 2025-03-20 | |
| 3 | PXA Signal Analyzer | Agilent | N9030A | MY51350296 | 2024-03-21 | 2025-03-20 | |
| 4 | Synthesized Sweeper | Agilent | 83752A | 3610A01957 | 2024-03-21 | 2025-03-20 | |
| 5 | MXA Signal Analyzer | Agilent | N9020A | MY50143483 | 2024-03-21 | 2025-03-20 | |
| 6 | RF Control Unit | Tonscend | JS0806-1 | 19D8060152 | 2024-03-21 | 2025-03-20 | |
| 7 | Band Reject Filter Group | Tonscend | JS0806-F | 19D8060160 | 2024-03-21 | 2025-03-20 | |
| 8 | ESG Vector Signal Generator | Agilent | N5182A | MY50143762 | 2024-03-20 | 2025-03-19 | |
| 9 | DC Power Supply | Agilent | E3632A | MY40027695 | 2024-03-21 | 2025-03-20 | |
| | | Emissions in frequ | ency bands (bel | ow 30MHz) | | | |
| 1 | EMI Test Receiver | Rohde&schwarz | ESCI7 | 101166 | 2024-03-20 | 2025-03-19 | |
| 2 | Active Loop Antenna | Schwarzbeck | FMZB 1519 B | 00066 | 2024-03-23 | 2025-03-22 | |
| 3 | Amplifier | Hewlett-Packard | 8447F | 3113A06184 | 2024-03-20 | 2025-03-19 | |
| | Emissions in frequency bands (30MHz - 1GHz) | | | | | | |
| 1 | EMI Test Receiver | Rohde&schwarz | ESCI7 | 101166 | 2024-03-20 | 2025-03-19 | |
| 2 | TRILOG Broadband Antenna | schwarabeck | VULB 9163 | 9163-1338 | 2023-06-11 | 2025-06-10 | |
| 3 | Active Loop Antenna | Schwarzbeck | FMZB 1519 B | 00066 | 2024-03-23 | 2025-03-22 | |
| 4 | Amplifier | Hewlett-Packard | 8447F | 3113A06184 | 2024-03-20 | 2025-03-19 | |



5 Evaluation Results (Evaluation)

5.1 Antenna requirement

| Test Requirement: | Refer to 47 CFR Part 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. |

5.1.1 Conclusion:

The antenna of the EUT is permanently attached. The EUT complies with the requirement of FCC PART 15.203.



6 Radio Spectrum Matter Test Results (RF)

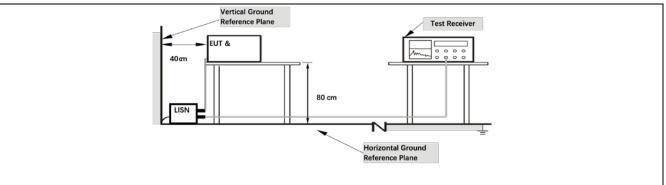
6.1 Conducted Emission at AC power line

| Test Requirement: | Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). | | | | | | |
|-------------------|--|----------------------|-----------|--|--|--|--|
| Test Limit: | Frequency of emission (MHz) | Conducted limit (dBµ | | | | | |
| | | Quasi-peak | Average | | | | |
| | 0.15-0.5 | 66 to 56* | 56 to 46* | | | | |
| | 0.5-5 | 56 | 46 | | | | |
| | 5-30 | 60 | 50 | | | | |
| | *Decreases with the logarithm of the frequency. | | | | | | |
| Test Method: | ANSI C63.10-2013 section 6.2 | | | | | | |
| Procedure: | Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power- line conducted emissions from unlicensed wireless devices | | | | | | |

6.1.1 E.U.T. Operation:

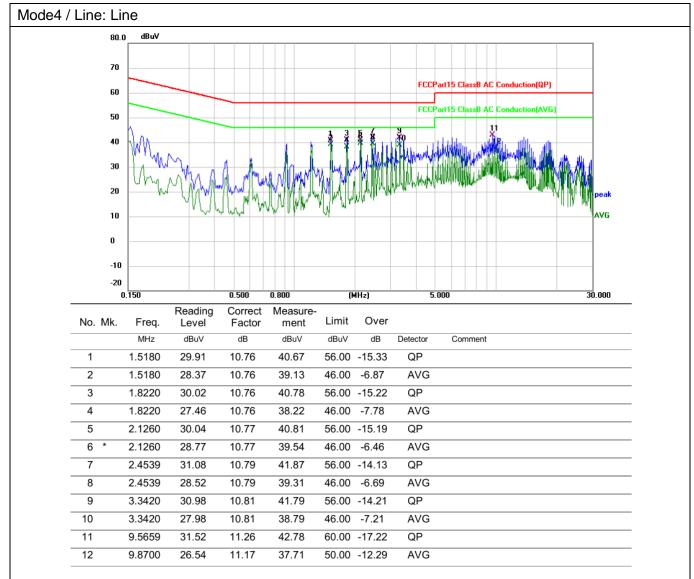
| Operating Environment: | | | | | | | |
|---|---------|--|-----------|--------|-----------------------|---------|--|
| Temperature: | 24.4 °C | | Humidity: | 54.1 % | Atmospheric Pressure: | 101 kPa | |
| Pre test mode: Mode1, Mode2, Mode3, Mode4, Mode5 | | | | | | | |
| Final test mode:All of the listed pre-test mode were tested, only the data of the worst mode (Mode4) is recorded in the report | | | | | of the worst mode | | |

6.1.2 Test Setup Diagram:

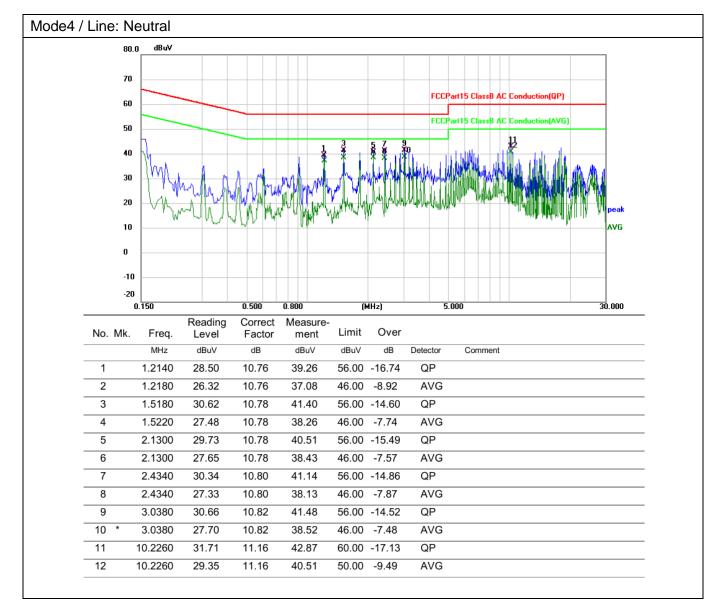




6.1.3 Test Data:









6.2 20dB Occupied Bandwidth

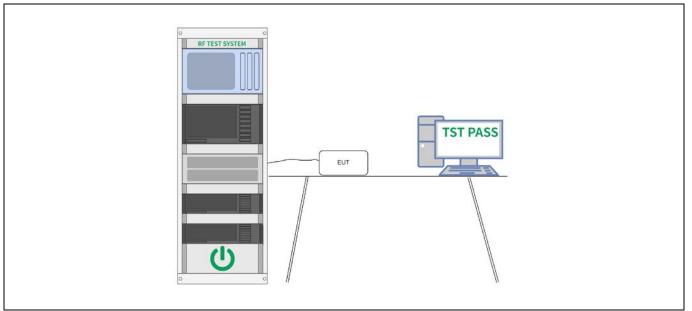
| Test Limit:Refer to 4 alternative 15.217 thr ensure tha otherwise operates, section unTest Method:ANSI C63Procedure:a) The spector center free shall be by b) The noi 5% of the times RBV c) Set the from exce general, th (OBW/RB d) Steps a tolerances e) The dyn than 10 dif requirement | Part 15.215(c) 47 CFR 15.215(c), intentional radiators operating under the ve provisions to the general emission limits, as contained in §§ brough 15.257 and in subpart E of this part, must be designed to hat the 20 dB bandwidth of the emission, or whatever bandwidth may be specified in the specific rule section under which the equipment , is contained within the frequency band designated in the rule ander which the equipment is operated. 3.10-2013, section 6.9.2 bectrum analyzer center frequency is set to the nominal EUT channel equency. The span range for the EMI receiver or spectrum analyzer between two times and five times the OBW. before the range of 1% to |
|---|---|
| Procedure: a) The spec center free shall be b b) The not 5% of the times RBV c) Set the from exce general, th (OBW/RB d) Steps a tolerances e) The dyn than 10 db requirement | bectrum analyzer center frequency is set to the nominal EUT channel equency. The span range for the EMI receiver or spectrum analyzer between two times and five times the OBW. |
| center free shall be b b) The noi 5% of the times RBV c) Set the from exce general, th (OBW/RB d) Steps a tolerances e) The dyn than 10 db requirement | equency. The span range for the EMI receiver or spectrum analyzer between two times and five times the OBW. |
| reference f) Set dete g) Determ carrier or spectrum the referent h) Determ Alternative of the inst i) If the ref the EUT n trace on th Otherwise j) Place tw frequency or slightly marker is as possibl between t of the env below the delta func delta mark | e OBW and video bandwidth (VBW) shall be approximately three BW, unless otherwise specified by the applicable requirement. e reference level of the instrument as required, keeping the signal eeding the maximum input mixer level for linear operation. In the peak of the spectral envelope shall be more than [10 log BW)] below the reference level. Specific guidance is given in 4.1.5.2. a) through c) might require iteration to adjust within the specified as. ynamic range of the instrument at the selected RBW shall be more dB below the target "-xx dB down" requirement; that is, if the ent calls for measuring the -20 dB OBW, the instrument noise floor lected RBW shall be at least 30 dB below the e value. tection mode to peak and trace mode to max hold. mine the reference value: Set the EUT to transmit an unmodulated 'modulated signal, as applicable. Allow the trace to stabilize. Set the n analyzer marker to the highest level of the displayed trace (this is ence value). mine the "-xx dB down amplitude" using [(reference value) - xx]. rely, this calculation may be made by using the marker-delta function strument. eference value is determined by an unmodulated carrier, then turn modulation ON, and either clear the existing trace or start a new the spectrum analyzer and allow the new trace to stabilize. e, the trace from step g) shall be used for step j). wo markers, one at the lowest frequency and the other at the highest y of the envelope of the spectral display, such that each marker is at y below the "-xx dB down amplitude" value, then it shall be as close ble to this value. The occupied bandwidth is the frequency difference the two markers. Alternatively, set a marker at the lowest frequency velope of the spectral display, such that the marker is at or slightly e "-xx dB down amplitude" determined in step h). If a s below this "-ax dB down amplitude" value, then it shall be as close ble to this value. The occupied bandwidth is the frequency difference the two markers. Alternatively, |



6.2.1 E.U.T. Operation:

| Operating Environment: | | | | | | | | |
|------------------------|--|--|---|-----------------------------------|------------------------------------|-------------------|--|--|
| Temperature: | 24 °C | Humidity: 54 % Atmospheric Pressure: 101 kPa | | | | | | |
| Pre test mode: | Pre test mode: Mode1, Mode2, Mode3, Mode4, Mode5 | | | | | | | |
| Final test mode | e: | | • | re-test mode w ded in the repo | ere tested, only the data or rt | of the worst mode | | |

6.2.2 Test Setup Diagram:





6.2.3 Test Data:

Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

| Frequency | 20 dB occupied bandwidth | | | 99% occupied bandwidt | | |
|---|--------------------------|--|------------|--------------------------|----------------------------|--|
| kHz | Hz | | | Hz | | |
| 131.885 | | 806 | | | 699 | |
| Agilent Spectrum Analyzer - Occupied BW | | | ALIGN AUTO | 12:29:22 PM Jun 21, 2024 | | |
| Center Freq 131.885 kHz | Center | SENSE:INT SOURCE OFF * Freq: 131.885 kHz ree Run Avg Hold | Ra | adio Std: None | Frequency | |
| #IFG | | : 10 dB | | adio Device: BTS | | |
| | | | | | | |
| 10 dB/div Ref 10.00 dBm | | | | | | |
| -10.0 | | | | | Center Freq 131.885 kHz | |
| -20.0 | | | | | 131.885 KHZ | |
| -30.0 | | | | | | |
| -40.0 | | | | $ \longrightarrow $ | | |
| -50.0 | \sim | | | | | |
| -70.0 | | | | | | |
| -80.0 | | | | | | |
| Center 131.9 kHz | | · · · · · · · · · · · · · · · · · · · | | Span 5 kHz | CF Step | |
| #Res BW 300 Hz | #1 | VBW 1 kHz | 5 | weep 68.07 ms | 500 Hz Auto Man | |
| Occupied Bandwidth | | Total Power | -7.56 dl | Bm | inan | |
| | 699 Hz | | | | Freq Offset | |
| Transmit Freq Error | -36 Hz | OBW Power | 99.00 | 0 % | 0 Hz | |
| x dB Bandwidth | 806 Hz | x dB | -20.00 | dB | | |
| | | | | | | |
| | | | | | | |
| MSG | | | | DC Coupled | | |



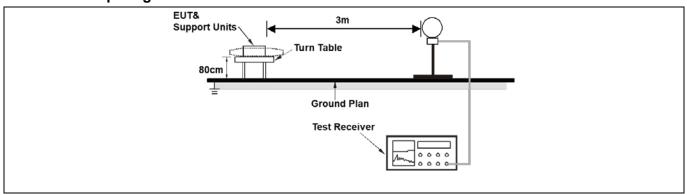
6.3 Emissions in frequency bands (below 30MHz)

| olts/meter) kHz) F(kHz) | Measuremen t distance (meters) 300 30 30 30 3 3 |
|--|---|
| kHz) F(KHz) | (meters) 300 30 30 30 3 3 3 |
| kHz) F(kHz) | 300 30 30 30 3 3 3 |
| F(KHZ) | 30 30 3 3 3 |
| | 30 3 3 |
| | 3 3 |
| | 3 |
| | - |
| | |
| | 3 |
| | 3 |
| er this section shall not MHz, 174-216 MHz of equency bands is permi 1 and 15.241. hter limit applies at the pove table are based of tector except for the fre MHz. Radiated emissi ments employing an av ncies above 1000 MHz, | r 470-806 MHz. itted under other band edges. n measurements quency bands 9- ion limits in these verage detector. the field strength average limits. exceed the re than 20 dB un |
| | of any emission shall not a specified above by mo point-to-point operation u |

6.3.1 E.U.T. Operation:

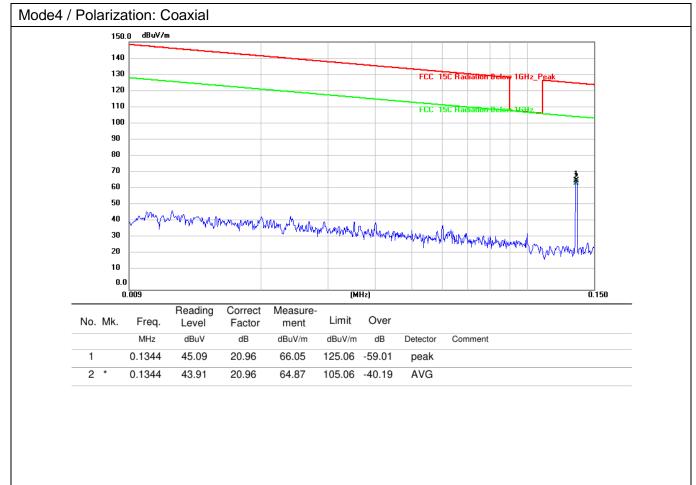
| Operating Environment: | | | | | | | |
|---|---------|--|-----------|------|-------------------|-----------------------|---------|
| Temperature: | 22.5 °C | | Humidity: | 43 % | | Atmospheric Pressure: | 101 kPa |
| Pre test mode: Mode1, Mode2, Mode3, Mode4, Mode5 | | | | | | | |
| Final test mode:All of the listed pre-test mode were tested, only the data of the worst mode (Mode4) is recorded in the report | | | | | of the worst mode | | |

6.3.2 Test Setup Diagram:

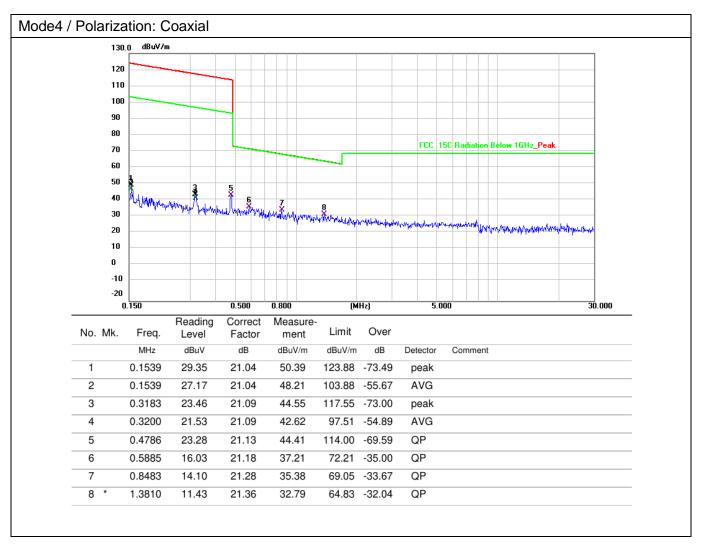




6.3.3 Test Data:









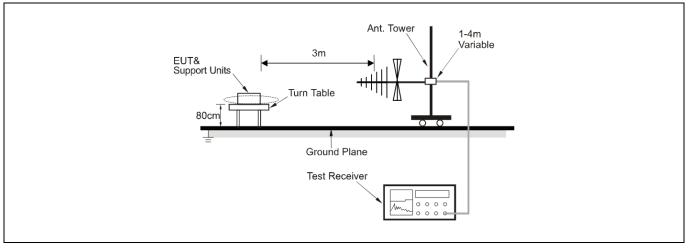
6.4 Emissions in frequency bands (30MHz - 1GHz)

| Test Requirement: | 47 CFR Part 15.209 | | | | | |
|-------------------|--|---|--|--------------------------------|--|--|
| Test Limit: | Frequency (MHz) | Field strength | Measuremen | | | |
| | | (microvolts/meter) | t 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 paragraph (g), fundamental em | 3 | | | |
| Test Method: | intentional radiators oper frequency bands 54-72 However, operation with sections of this part, e.g In the emission table ab The emission limits show employing a CISPR qua kHz, 110–490 kHz and a three bands are based of As shown in § 15.35(b), limits in paragraphs (a) However, the peak field maximum permitted ave any condition of modula (b) of this section, the peak | arating under this section shall ne MHz, 76-88 MHz, 174-216 MHz in these frequency bands is per ., §§ 15.231 and 15.241. ove, the tighter limit applies at the wn in the above table are based asi-peak detector except for the f above 1000 MHz. Radiated emission measurements employing an for frequencies above 1000 MH and (b)of this section are based strength of any emission shall ne trage limits specified above by n tion. For point-to-point operation eak field strength shall not exceet ers along the antenna azimuth. | ot be located in th or 470-806 MHz. mitted under othe he band edges. on measurement frequency bands S ssion limits in thes average detector. Iz, the field streng on average limits. not exceed the nore than 20 dB un h under paragraph | er 9–90 se th nder | | |
| Procedure: | | | | | | |
| | millivolts/meter at 3 met | ers along the antenna azimuth. ion 6.5 | | | | |

6.4.1 E.U.T. Operation:

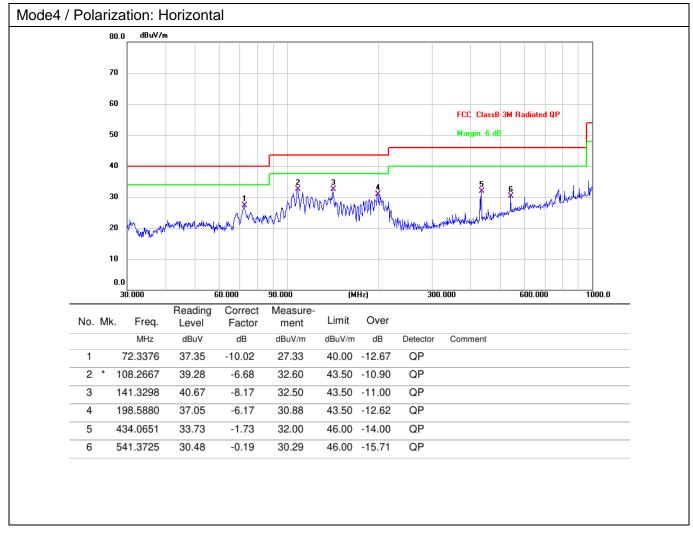
| Operating Environment: | | | | | | | | |
|---|-------|--|--|--|--|-------------------|--|--|
| Temperature: | 25 °C | Humidity: 59 % Atmospheric Pressure: 101 kPa | | | | | | |
| Pre test mode: Mode1, Mode2, Mode3, Mode4, Mode5 | | | | | | | | |
| Final test mode:All of the listed pre-test mode were tested, only the data of the worst mode (Mode4) is recorded in the report | | | | | | of the worst mode | | |

6.4.2 Test Setup Diagram:

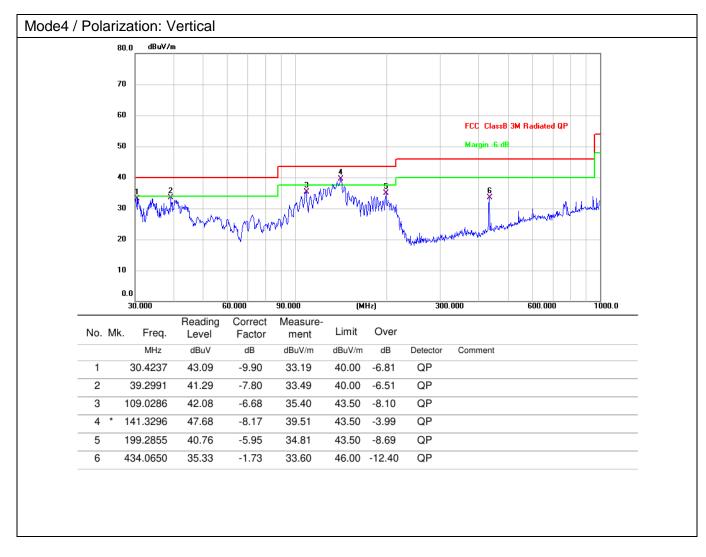




6.4.3 Test Data:









Photographs of the test setup

Refer to Appendix - Test Setup Photos

Photographs of the EUT

Refer to Appendix - EUT Photos

----End of Report----