



FCC Radio Test Report

FCC ID: 2BKXC419-YD02

This report concerns: Original Grant

Project No. : 2407C122
Equipment : Remote
Brand Name : gats
Test Model : 419-YD02
Series Model : 419-YD04

Applicant : ChongQing GATS Technology Co.,Ltd.

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Chongging, China

Manufacturer : ChongQing GATS Technology Co.,Ltd.

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FuHai Street, FuYong Town, BaoAn District, ShenZhen. China

Date of Receipt : Aug. 01, 2024

Date of Test : Aug. 01, 2024 ~ Aug. 20, 2024

Issued Date : Nov. 15, 2024

Report Version : R01

Test Sample : Engineering Sample No.: DG2024080120 for radiated,

DG2024080121 for conducted

Standard(s) : FCC CFR Title 47, Part 15, Subpart C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective. Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.



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REPORT ISSUED HISTORY

| Report No. | Version | Description | Issued Date | Note |
|---------------------|---------|--|---------------|---------|
| BTL-FCCP-1-2407C122 | R00 | Original Report. | Nov. 07, 2024 | Invalid |
| BTL-FCCP-1-2407C122 | R01 | Updated the antenna gain which does not affect the test results. | Nov. 15, 2024 | Valid |



1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of A2LA: KDB 558074 D01 15.247 Meas Guidance v05r02

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC CFR Title 47, Part 15, Subpart C | | | | |
|--------------------------------------|-----------------------------------|-------------|----------|---------|
| Standard(s) Section | Test Item | Test Result | Judgment | Remark |
| 15.207 | AC Power Line Conducted Emissions | APPENDIX A | N/A | |
| 15.247(d) 15.205(a) 15.209(a) | Radiated Emissions | APPENDIX B | | |
| 15.247(a)(2) | Bandwidth | APPENDIX E | PASS | |
| 15.247(b)(3) | Maximum Output Power | APPENDIX F | PASS | |
| 15.247(d) | Conducted Spurious Emission | APPENDIX G | PASS | |
| 15.247(e) | Power Spectral Density | APPENDIX H | PASS | |
| 15.203 | Antenna Requirement | | PASS | Note(2) |

Note:

- (1) "N/A" denotes test is not applicable to this device.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.



2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

DG-CB01/DG-CB03/TR13: 1-2/F, 4/F, Building A, 1-2/F, Building B, 3/F, Building C, No.3, Jinshagang 1st Road, Dalang Town, Dongguan City, Guangdong People's Republic of China.

DG-CB18: Room 108-116, 309-310, Building 2, No.1, Yile Road, Songshan Lake Zone, Dongguan City,

Guangdong, People's Republic of China BTL's Registration Number for FCC: 747969 BTL's Designation Number for FCC: CN1377

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95.45% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. Radiated emissions Measurement:

| Test Site | Method | Measurement Frequency Range | U,(dB) |
|-----------|--------|-----------------------------|--------|
| DG-CB01 | CISPR | 9kHz ~ 30MHz | 2.70 |

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U,(dB) |
|-----------|--------|-----------------------------|---------------|--------|
| | | 30MHz ~ 200MHz | V | 4.40 |
| DG-CB03 | CISPR | 30MHz ~ 200MHz | Н | 3.62 |
| (3m) | CIOPK | 200MHz ~ 1,000MHz | V | 4.58 |
| | | 200MHz ~ 1,000MHz | Н | 3.98 |

| Test Site | Method | Measurement Frequency Range | U,(dB) |
|---------------|-------------|-----------------------------|--------|
| DG-CB18 CISPR | 1GHz ~ 6GHz | 4.48 | |
| (3m) | CIOPK | 6GHz ~ 18GHz | 3.88 |

| Test Site | Method | Measurement Frequency Range | U,(dB) |
|-----------|---------------|-----------------------------|--------|
| DG-CB03 | 18 ~ 26.5 GHz | 3.36 | |
| (1m) | CISPR | 26.5 ~ 40 GHz | 3.58 |

B. Other Measurement:

| Test Item | Uncertainty |
|-----------------------------|-------------|
| Bandwidth | 0.90 % |
| Maximum Output Power | 1.3 dB |
| Conducted Spurious Emission | 1.9 dB |
| Power Spectral Density | 1.4 dB |
| Temperature | 0.8 °C |
| Humidity | 2.2 % |

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.



2.3 TEST ENVIRONMENT CONDITIONS

| Test Item | Temperature | Humidity | Test Voltage | Tested By | Test Date |
|---|-------------|----------|--------------|--------------------------|--------------------------------|
| Radiated Emissions- 9 kHz to 30 MHz | 23°C | 46% | DC 5V | Hayden Chen | Aug. 09, 2024 |
| Radiated Emissions- 30 MHz to 1000 MHz | 24°C | 55% | DC 5V | Chen Mo | Aug. 12, 2024 |
| Radiated Emissions- Above 1000 MHz | 24-25°C | 41-55% | DC 5V | Allen Tong Berton Luo | Aug. 13, 2024 Aug. 18, 2024 |
| Bandwidth | 23°C | 57% | DC 5V | Parker Yang | Aug. 18, 2024 |
| Maximum Output Power | 23°C | 57% | DC 5V | Parker Yang | Aug. 18, 2024 |
| Conducted Spurious Emission | 23°C | 57% | DC 5V | Parker Yang | Aug. 18, 2024 |
| Power Spectral Density | 23°C | 57% | DC 5V | Parker Yang | Aug. 18, 2024 |



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| Equipment | Remote | |
|-------------------------|--|--|
| Brand Name | gats | |
| Test Model | 419-YD02 | |
| Series Model | 419-YD04 | |
| Madal Difference(a) | The two remote control models only have one button pattern that is | |
| Model Difference(s) | different, the rest are the same. | |
| Software Version | QS23100.FST16B.YD02.SM.240724 | |
| Hardware Version | 425-LY02-016E-MBV-MS521Q32 V0.0 | |
| Power Source | DC power supply. | |
| Power Rating | DC 2.2-3V | |
| Operation Frequency | 2402 MHz ~ 2480 MHz | |
| Modulation Type | GFSK | |
| Bit Rate of Transmitter | 1Mbps, 2Mbps | |
| May Output Dawar | 1Mbps: 0.18 dBm (0.0010 W) | |
| Max. Output Power | 2Mbps: 0.18 dBm (0.0010 W) | |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|--------------------|---------|--------------------|
| 00 | 2402 | 20 | 2442 |
| 01 | 2404 | 21 | 2444 |
| 02 | 2406 | 22 | 2446 |
| 03 | 2408 | 23 | 2448 |
| 04 | 2410 | 24 | 2450 |
| 05 | 2412 | 25 | 2452 |
| 06 | 2414 | 26 | 2454 |
| 07 | 2416 | 27 | 2456 |
| 08 | 2418 | 28 | 2458 |
| 09 | 2420 | 29 | 2460 |
| 10 | 2422 | 30 | 2462 |
| 11 | 2424 | 31 | 2464 |
| 12 | 2426 | 32 | 2466 |
| 13 | 2428 | 33 | 2468 |
| 14 | 2430 | 34 | 2470 |
| 15 | 2432 | 35 | 2472 |
| 16 | 2434 | 36 | 2474 |
| 17 | 2436 | 37 | 2476 |
| 18 | 2438 | 38 | 2478 |
| 19 | 2440 | 39 | 2480 |

3. Table for Filed Antenna:

| Ant. | Manufacturer | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|---------------------|---------------|--------------|-----------|------------|
| 1 | Shenzhen Qualrun | QS330-CAR0-BT | PCB | N/A | 0.03 |
| 1 | Technology Co., Ltd | RCU | РСБ | IN/A | -0.93 |



3.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

| Pretest Mode | Description | |
|--------------|--------------------------------|--|
| Mode 1 | TX Mode_1Mbps Channel 00/19/39 | |
| Mode 2 | TX Mode_2Mbps Channel 00/19/39 | |
| Mode 3 | TX Mode_1Mbps Channel 19 | |

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

| AC power line conducted emissions test | | | |
|--|--------------------------|--|--|
| Final Test Mode | Description | | |
| Mode 3 | TX Mode_1Mbps Channel 19 | | |

| Radiated emissions test - Below 1GHz | | | |
|--------------------------------------|--------------------------|--|--|
| Final Test Mode | Description | | |
| Mode 3 | TX Mode_1Mbps Channel 19 | | |

| Radiated emissions test - Above 1GHz | | | |
|--------------------------------------|--------------------------------|--|--|
| Final Test Mode | Description | | |
| Mode 1 | TX Mode_1Mbps Channel 00/19/39 | | |
| Mode 2 | TX Mode_2Mbps Channel 00/19/39 | | |

| Conducted test | | | |
|-----------------------------|--------------------------------|--|--|
| Final Test Mode Description | | | |
| Mode 1 | TX Mode_1Mbps Channel 00/19/39 | | |
| Mode 2 | TX Mode_2Mbps Channel 00/19/39 | | |

Note:

- (1) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (2) For AC power line conducted emissions and radiated emissions below 1 GHz test, the 1Mbps Channel 19 is found to be the worst case and recorded.
- (3) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.



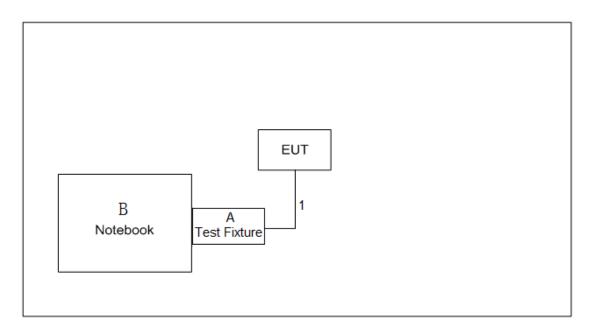
3.3 PARAMETERS OF TEST SOFTWARE

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

| Test Software Version | serialportutility-5.2.1 | | |
|-----------------------|-------------------------|------|------|
| Frequency (MHz) | 2402 | 2440 | 2480 |
| 1Mbps | 6 | 6 | 6 |
| 2Mbps | 6 | 6 | 6 |



3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 SUPPORT UNITS

| Item | Equipment | Brand | Model No. | Series No. |
|------|--------------|--------|-----------|------------|
| Α | Test Fixture | N/A | N/A | N/A |
| В | Notebook | HUAWEI | WFH9 | N/A |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|------------|---------------|--------------|--------|
| 1 | Data Cable | NO | NO | 0.4m |

3.6 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain is provided by the manufacturer.
- 2) Except for radiated spurious emissions, the results of all test items include cable losses. Part of the cable losses (1dB) are provided by the manufacturer, while the other parts of the cable losses are provided by the testing laboratory.



4. RADIATED EMISSIONS

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-1000 MHz)

| Frequency | Field Strength | Measurement Distance |
|-------------|--------------------|----------------------|
| (MHz) | (microvolts/meter) | (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 |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

| Fraguenov (MHz) | (dBuV/m at 3 m) | | |
|-----------------|-----------------|---------|--|
| Frequency (MHz) | Peak | Average | |
| Above 1000 | 74 | 54 | |

| Frequency (MHz) | Band edge/ Harmonic at 3m (dBµV/m) | | Harmonic at 1m (dBµV/m) | |
|---------------------|---------------------------------------|---------|-------------------------|---------------|
| r requestey (Wiriz) | Peak | Average | Peak | Average |
| Above 1000 | 74 | 54 | 83.5 (Note 4) | 63.5 (Note 4) |

Note:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

(4)

$$FS_{\text{limit}} = FS_{\text{max}} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

 $20\log (d_{limit}/d_{measure})=20\log (3/1)=9.5 dB.$

FS_{limit}: Harmonic at 3m Peak and Average limit.

FS_{max}: Harmonic at 1m Peak and Average Maximum value.

d_{limit}: Harmonic at 3m test distance. d_{measure}: Harmonic Actual test distance.



4.2 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- b. The measuring distance of 3 m or 1m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. 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 find the maximum reading (used Bore sight function).
- e. The 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.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1 GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

| Spectrum Parameters | Setting | |
|------------------------|---------------------------------|--|
| Start ~ Stop Frequency | 9 kHz~150 kHz for RBW 200 Hz | |
| Start ~ Stop Frequency | 0.15 MHz~30 MHz for RBW 9 kHz | |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for RBW 100 kHz | |

| Spectrum Parameters | Setting | |
|-------------------------------|------------------------------|--|
| Start Frequency | 1000 MHz | |
| Stop Frequency | 10th carrier harmonic | |
| RBW / VBW | 1 MHz / 3 MHz for PK value | |
| (Emission in restricted band) | 1 MHz / 1/T Hz for AVG value | |

| Spectrum Parameters | Setting |
|---|-------------------------------------|
| Start ~ Stop Frequency 9 kHz~90 kHz for PK/AVG detector | |
| Start ~ Stop Frequency | 90 kHz~110 kHz for QP detector |
| Start ~ Stop Frequency | 110 kHz~490 kHz for PK/AVG detector |
| Start ~ Stop Frequency | 490 kHz~30 MHz for QP detector |
| Start ~ Stop Frequency | 30 MHz~1000 MHz for QP detector |
| Start ~ Stop Frequency | 1 GHz~26.5 GHz for PK/AVG detector |

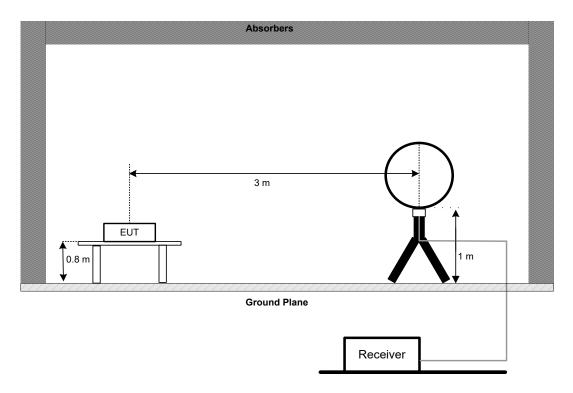


4.3 DEVIATION FROM TEST STANDARD

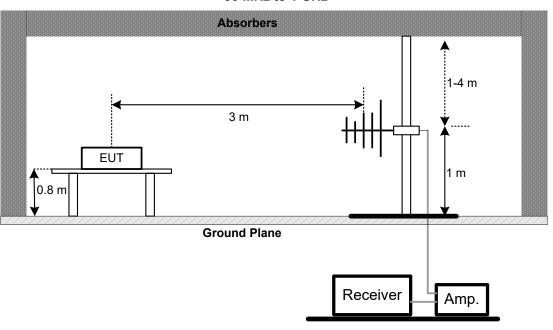
No deviation.

4.4 TEST SETUP

9 kHz to 30 MHz

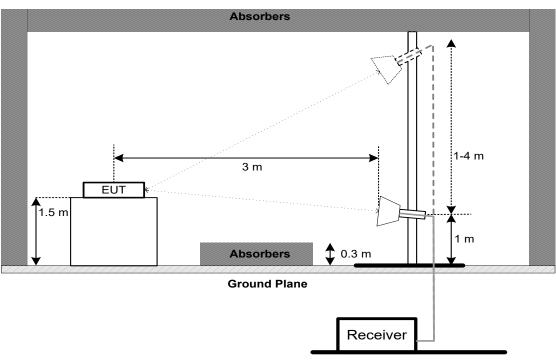


30 MHz to 1 GHz

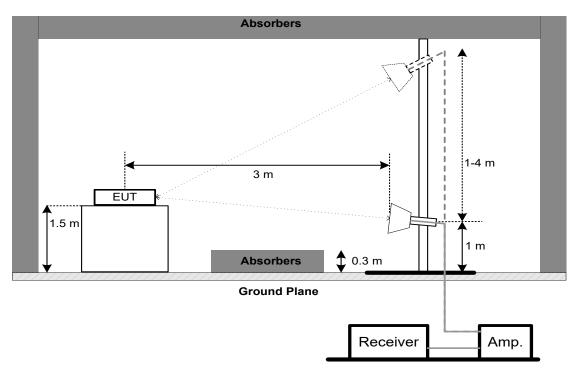






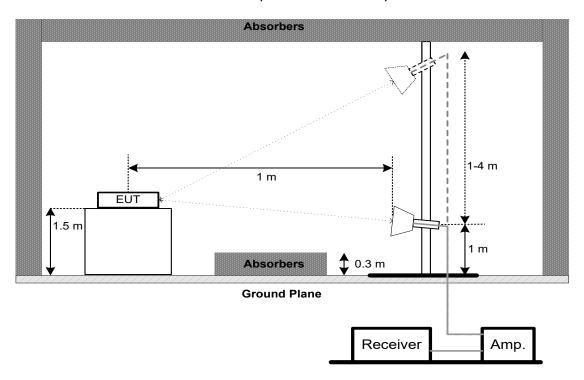


Harmonic(1 GHz to 18 GHz)





Harmonic(18 GHz to 26.5 GHz)



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT - 9 kHz TO 30 MHz

Please refer to the APPENDIX A.

Remark:

- (1) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULT - 30 MHz TO 1000 MHz

Please refer to the APPENDIX B.

4.8 TEST RESULT - ABOVE 1000 MHz

Please refer to the APPENDIX C.

Remark:

(1) No limit: This is fundamental signal, the judgment is not applicable. For fundamental signal judgment was referred to Peak output test.



5. BANDWIDTH

5.1 LIMIT

| Section | Test Item | Limit |
|------------------|------------------------|------------|
| | 6 dB Bandwidth | >= 500 kHz |
| FCC 15.247(a)(2) | 99% Emission Bandwidth | - |

5.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. The following table is the setting of the spectrum analyzer:

For 6 dB Bandwidth:

| I OI O GD Dailgwigtii. | | | | |
|------------------------|-------------------------|--|--|--|
| Spectrum Parameters | Setting | | | |
| Span Frequency | > Measurement Bandwidth | | | |
| RBW | 100 kHz | | | |
| VBW | 300 kHz | | | |
| Detector | Peak | | | |
| Trace | Max Hold | | | |
| Sweep Time | Auto | | | |

For 99% Emission Bandwidth:

| Of 3370 Efficación Danawida | 1. | | | |
|-----------------------------|---|--|--|--|
| Spectrum Parameters | Setting | | | |
| Span Frequency | Between 1.5 times and 5.0 times the OBW | | | |
| RBW | 30 kHz | | | |
| VBW | 100 kHz | | | |
| Detector | Peak | | | |
| Trace | Max Hold | | | |
| Sweep Time | Auto | | | |

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX D.



6. MAXIMUM OUTPUT POWER

6.1 LIMIT

| Section | Test Item | Limit | |
|------------------|----------------------|--------------------------|--|
| FCC 15.247(b)(3) | Maximum Output Power | 1.0000 watt or 30.00 dBm | |

6.2 TEST PROCEDURE

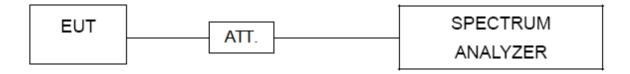
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. The following table is the setting of the spectrum analyzer:

| Spectrum Parameters | Setting | | | |
|---------------------|----------|--|--|--|
| Span Frequency | ≥ 3×RBW | | | |
| RBW | 3 MHz | | | |
| VBW | 3 MHz | | | |
| Detector | Peak | | | |
| Trace | Max Hold | | | |
| Sweep Time | Auto | | | |

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX E.



7. CONDUCTED SPURIOUS EMISSION

7.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

7.2 TEST PROCEDURE

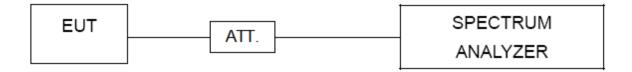
- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. The following table is the setting of the spectrum analyzer:

| Spectrum Parameters | Setting |
|---------------------|----------|
| Start Frequency | 30 MHz |
| Stop Frequency | 26.5 GHz |
| RBW | 100 kHz |
| VBW | 300 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX F.



8. POWER SPECTRAL DENSITY

8.1 LIMIT

| Section | Test Item | Limit |
|---------------|------------------------|-------------------------|
| FCC 15.247(e) | Power Spectral Density | 8 dBm (in any 3 kHz) |

8.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. The following table is the setting of the spectrum analyzer:

| Spectrum Parameters | Setting | |
|---------------------|---------------------------------|--|
| Span Frequency | 2 MHz (1 Mbps) / 4 MHz (2 Mbps) | |
| RBW | 3 kHz | |
| VBW | 10 kHz | |
| Detector | Peak | |
| Trace | Max Hold | |
| Sweep Time | Auto | |

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX G.



9. MEASUREMENT INSTRUMENTS LIST

| | Radiated Emissions - 9 kHz to 30 MHz | | | | |
|------|--------------------------------------|--------------|---------------------------|---------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Active Loop Antenna | Schwarzbeck | FMZB 1513-60B | 1513-60 B-034 | Mar. 30, 2025 |
| 2 | MXE EMI Receiver | Keysight | N9038A | MY56400091 | Dec. 22, 2024 |
| 3 | Cable | N/A | RW2350-3.8A-NMBM -1.5M | N/A | Jun. 09, 2025 |
| 4 | Cable | N/A | RG 213/U | N/A | Jun. 09, 2025 |
| 5 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |
| 6 | 966 Chamber room | ETS | 9*6*6 | N/A | May 16, 2025 |

| | | Radiated Em | nissions - 30 MHz to 1 | GHz | |
|------|-------------------------------|-------------------|--------------------------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Trilog-Broadband Antenna | Schwarzbeck | VULB 9168 | 1462 | Dec.13,2024 |
| 2 | Attenuator | EMC INSTRUMENT | EMCI-N-6-06 | AT-06009 | Dec. 13, 2024 |
| 3 | Preamplifier | EMC INSTRUMENT | EMC001330 | 980998 | Nov. 17, 2024 |
| 4 | Cable | RegalWay | LMR400-NMNM-12.5 m | N/A | Jun. 06, 2025 |
| 5 | Cable | RegalWay | LMR400-NMNM-3m | N/A | Jun. 06, 2025 |
| 6 | Cable | RegalWay | LMR400-NMNM-0.5m | N/A | Jun. 06, 2025 |
| 7 | Receiver | Agilent | N9038A | MY52130039 | Dec. 22, 2024 |
| 8 | Positioning Controller | MF | MF-7802 | N/A | N/A |
| 9 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |
| 10 | 966 Chamber room | CM | 9*6*6 | N/A | May 16, 2025 |

| | | Radiated E | missions - 1 GHz-18 | GHz | |
|------|--------------------------------|-------------------|--------------------------------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Multi-Device Controller | ETS-Lindgren | N/A | N/A | N/A |
| 2 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |
| 3 | MXA Signal Analyzer | KEYSIGHT | N9020B | MY63380204 | Nov. 17, 2024 |
| 4 | Cable | RegalWay | RWLP50-4.0A-SMS M-1.3M | N/A | Jan. 09, 2025 |
| 5 | Cable | RegalWay | RWLP50-2.6A-3.5 M2.92MRA-3M | N/A | Jan. 09, 2025 |
| 6 | Cable | RegalWay | RWLP50-4.0A-SMS M-9M | N/A | Jan. 09, 2025 |
| 7 | 966 Chamber room | ETS | RFD-100 (SVSWR) | Q2179 | Jan. 09, 2025 |
| 8 | Preamplifier | EMC INSTRUMENT | EMC118A45SE | 981001 | May 31, 2025 |
| 9 | Attenuator | Talent Microwave | TA10A2-S-18 | N/A | N/A |
| 10 | Filter | STI | STI15-9912 | N/A | Nov. 17, 2024 |
| 11 | Double Ridged Guide Antenna | ETS | 3115 | 75846 | Mar. 20,2025 |



| | | Radiated Em | nissions - 18 GHz-26.5 | GHz | |
|------|----------------------------|--------------|---------------------------------|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | EXA Signal Analyzer | Keysight | N9010A | MY56480488 | Dec. 22, 2024 |
| 2 | Low Noise Amplifier | CONNPHY | CLN-18G40G-4330-K | 619413 | Jul. 17, 2025 |
| 3 | Cable | RegalWay | RWLP50-2.6A-2.92M 2.92M-1.1M | N/A | Jul. 25, 2025 |
| 4 | Cable | Tonscend | HF160-KMKM-3M | N/A | Jul. 25, 2025 |
| 5 | Broad-Band Horn Antenna | Schwarzbeck | BBHA9170(3m) | 9170-319 | Jun. 16, 2025 |
| 6 | 966 Chamber room | CM | 9*6*6 | N/A | May 19, 2025 |
| 7 | Filter | STI | STI15-9912 | N/A | May 31, 2025 |
| 8 | Positioning Controller | MF | MF-7802 | N/A | N/A |
| 9 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |

| | | Maxim Powei | Bandwidth & um Output Power & Spectral Density & ed Spurious Emission | | |
|------|-------------------------|----------------|---|------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Spectrum Analyzer | R&S | FSP38 | 100852 | May 31, 2025 |
| 2 | Measurement Software | BTL | BTL Conducted Test | N/A | N/A |
| 3 | Isolation attenuator | Z-Link | ASMA-16-18-2W | N/A | N/A |

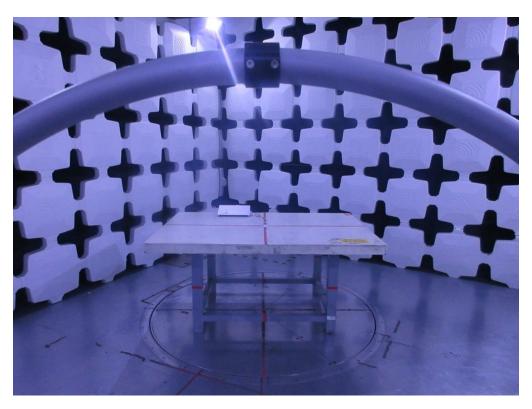
Remark: "N/A" denotes no model name, serial no. or calibration specified. All calibration period of equipment list is one year.

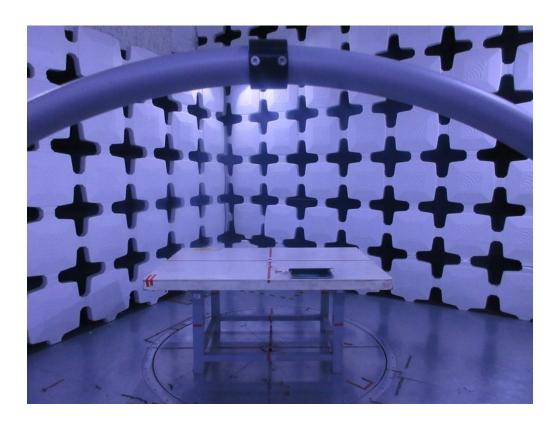


10. EUT TEST PHOTO

Radiated Emissions Test Photos

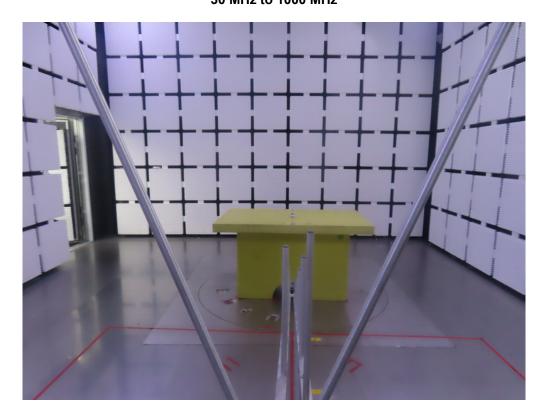
9 kHz to 30 MHz

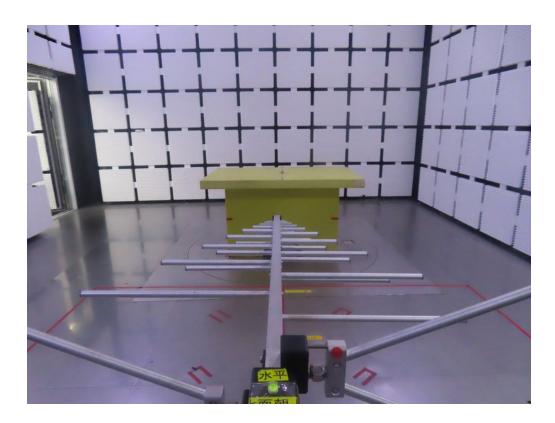






Radiated Emissions Test Photos 30 MHz to 1000 MHz







Radiated Emissions Test Photos

1 GHz to 18 GHz

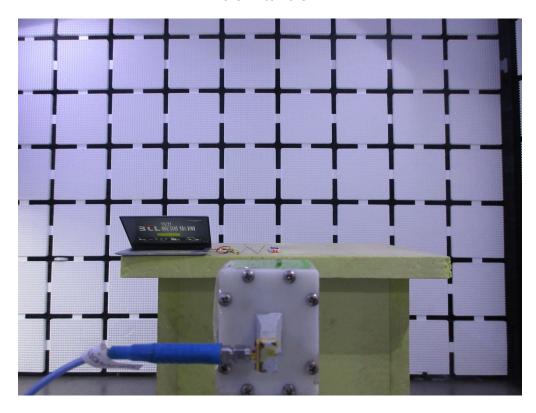


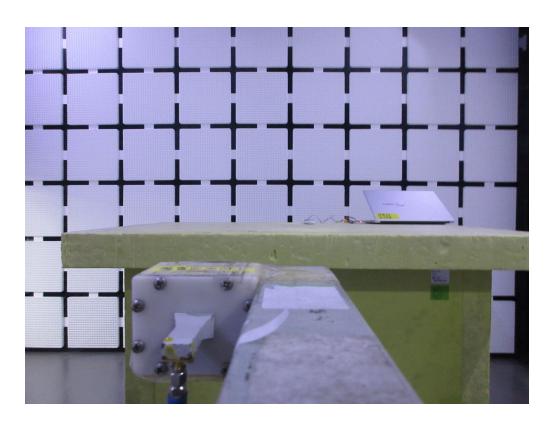




Radiated Emissions Test Photos

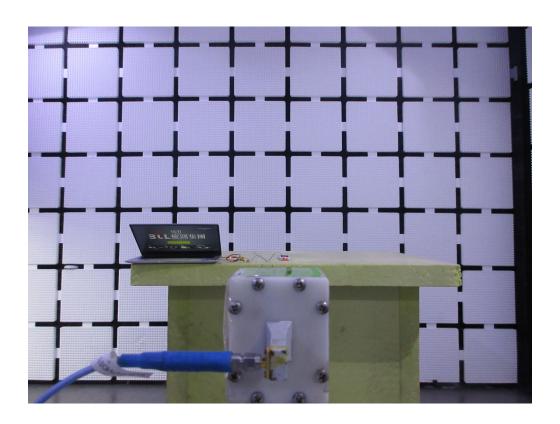
18 GHz to 40 GHz

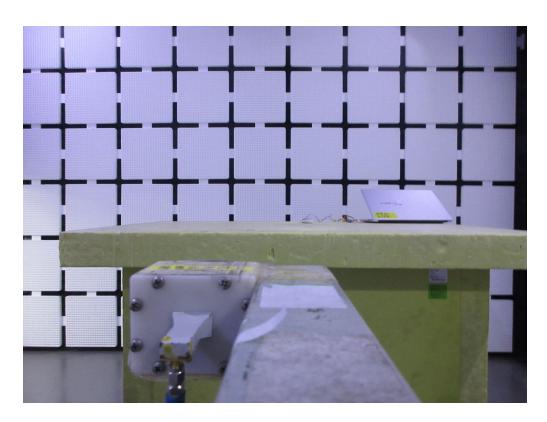






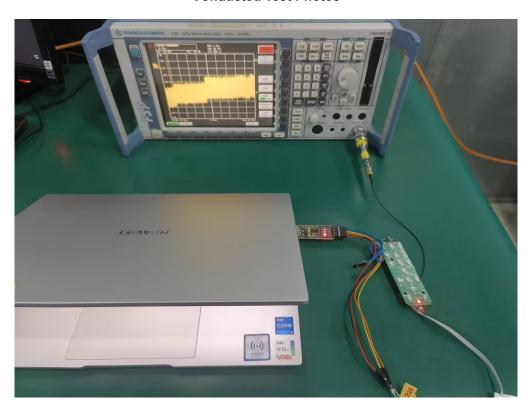
Band Edge Test Photos







Conducted Test Photos



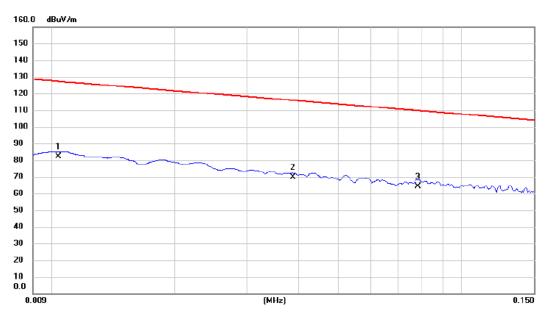




| APPENDIX A - RADIATED EMISSION - 9 KHZ TO 30 MHZ |
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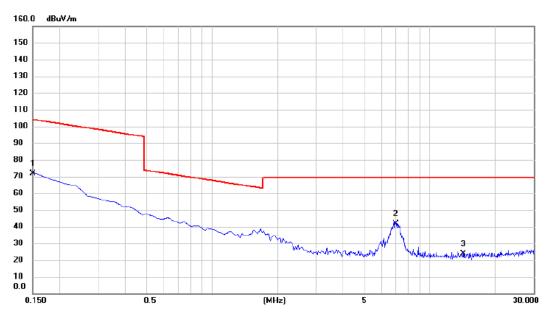


| No. Mk. | Freq. | | | Measure- ment | | Margin | | |
|---------|--------|-------|-------|------------------|--------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 0.0104 | 61.84 | 20.51 | 82.35 | 127.26 | -44.91 | AVG | |
| 2 | 0.0388 | 48.71 | 21.14 | 69.85 | 115.83 | -45.98 | AVG | |
| 3 | 0.0781 | 43.09 | 21.29 | 64.38 | 109.75 | -45.37 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



Test Mode TX Mode_1Mbps Channel 19 Polarization Ant 0°

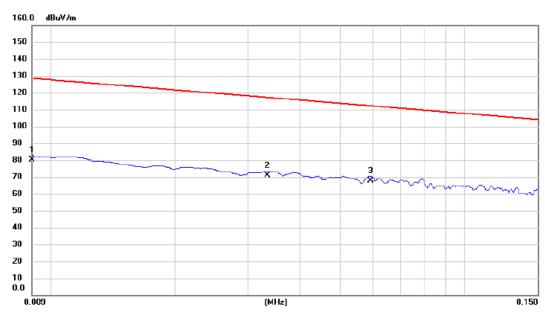


| No. Mk. | Freq. | | Correct Factor | Measure- ment | Limit | Margin | | |
|---------|---------|-------|-------------------|------------------|--------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 0.1500 | 50.33 | 21.30 | 71.63 | 104.09 | -32.46 | AVG | |
| 2 * | 6.9558 | 20.45 | 21.30 | 41.75 | 69.54 | -27.79 | QP | |
| 3 | 14.2094 | 2.46 | 21.46 | 23.92 | 69.54 | -45.62 | QP | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





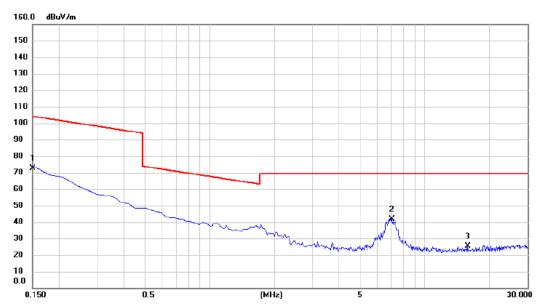


| No. Mk. | Freq. | _ | | Measure- ment | | Margin | | |
|---------|--------|-------|-------|------------------|--------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 0.0090 | 59.63 | 20.40 | 80.03 | 128.52 | -48.49 | AVG | |
| 2 | 0.0334 | 49.84 | 21.12 | 70.96 | 117.13 | -46.17 | AVG | |
| 3 * | 0.0592 | 46.51 | 21.23 | 67.74 | 112.16 | -44.42 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.







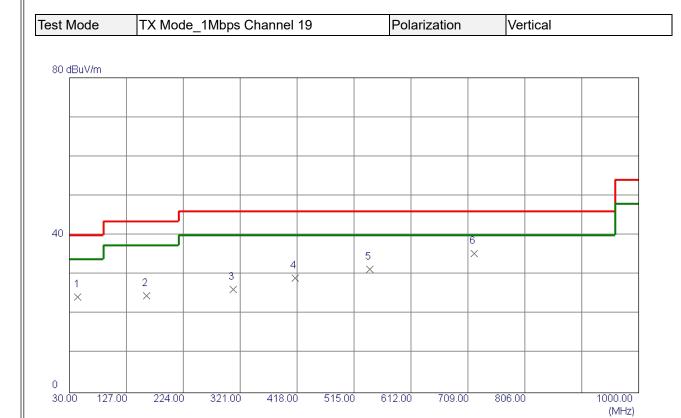
| No. Mk. | Freq. | | Correct Factor | Measure- ment | Limit | Margin | | |
|---------|---------|-------|-------------------|------------------|--------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 0.1500 | 51.20 | 21.30 | 72.50 | 104.09 | -31.59 | AVG | |
| 2 * | 7.0454 | 20.45 | 21.30 | 41.75 | 69.54 | -27.79 | QP | |
| 3 | 15.7914 | 3.75 | 21.48 | 25.23 | 69.54 | -44.31 | QP | |

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



APPENDIX B - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

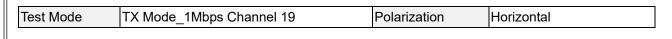


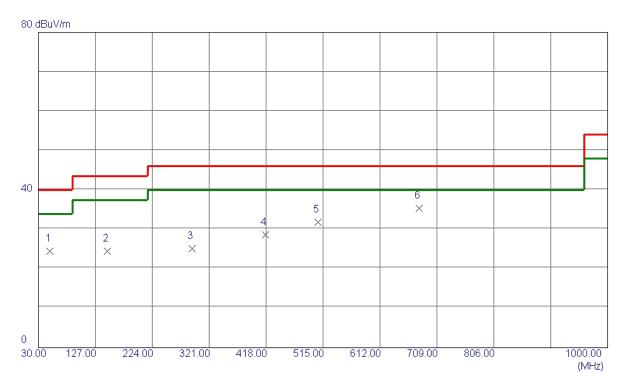


| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 44. 5500 | 35. 66 | -11. 38 | 24. 28 | 40.00 | -15. 72 | Peak | |
| 2 | 161. 4350 | 35. 48 | -10. 90 | 24. 58 | 43. 50 | -18. 92 | Peak | |
| 3 | 309. 3599 | 36. 54 | -10. 35 | 26. 19 | 46.00 | -19.81 | Peak | |
| 4 | 414. 6050 | 36. 72 | -7. 67 | 29. 05 | 46.00 | -16. 95 | Peak | |
| 5 | 541.6750 | 36. 57 | -5. 16 | 31. 41 | 46.00 | -14. 59 | Peak | |
| 6 * | 719. 6700 | 37. 17 | -1. 81 | 35. 36 | 46. 00 | -10. 64 | Peak | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.







| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|-----------|------------------|-------------------|-----------------|--------|---------|----------|---------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 49. 8849 | 35. 69 | -11. 27 | 24. 42 | 40.00 | -15. 58 | Peak | |
| 2 | 147. 8550 | 35. 81 | -11. 28 | 24. 53 | 43. 50 | -18. 97 | Peak | |
| 3 | 292. 3850 | 35. 82 | -10. 70 | 25. 12 | 46.00 | -20.88 | Peak | |
| 4 | 417. 0300 | 36. 26 | -7. 61 | 28. 65 | 46.00 | -17. 35 | Peak | |
| 5 | 506. 7550 | 37. 76 | -5. 88 | 31. 88 | 46.00 | -14. 12 | Peak | |
| 6 * | 678. 9300 | 37. 83 | -2. 52 | 35. 31 | 46. 00 | -10. 69 | Peak | |

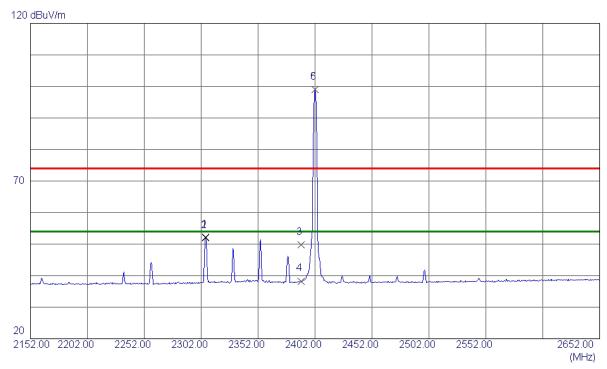
- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.



| APPENDIX C - RADIATED EMISSION - ABOVE 1000 MHZ | |
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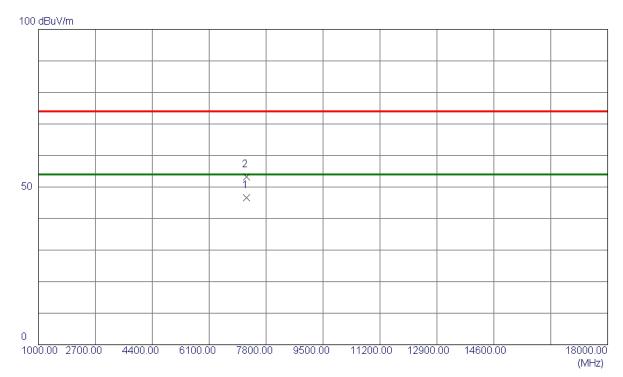


| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|------------|------------------|-------------------|-----------------|--------------|---------|----------|----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 2306. 0000 | 42. 83 | 9. 42 | 52. 25 | 74.00 | -21. 75 | Peak | |
| 2 | 2306. 0000 | 42. 57 | 9. 42 | 51. 99 | 54.00 | -2. 01 | AVG | |
| 3 | 2390. 0000 | 40. 42 | 9. 44 | 49.86 | 74.00 | -24. 14 | Peak | |
| 4 | 2390. 0000 | 28. 86 | 9. 44 | 38. 30 | 54. 00 | -15. 70 | AVG | |
| 5 | 2402. 0000 | 89. 54 | 9. 45 | 98. 99 | 74. 00 | 24. 99 | Peak | No Limit |
| 6 * | 2402. 0000 | 89. 48 | 9. 45 | 98. 93 | 54. 00 | 44. 93 | AVG | No Limit |

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



| Test Mode | TX 2402 MHz _CH00_1Mbps | Polarization | Horizontal |
|-----------|-------------------------|--------------|------------|

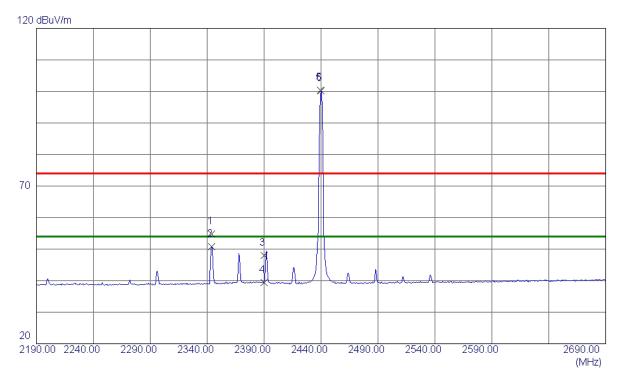


| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|---------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 7206. 0000 | 38. 25 | 8. 39 | 46. 64 | 54.00 | -7. 36 | AVG | |
| 2 | 7206. 2000 | 44. 87 | 8. 39 | 53. 26 | 74.00 | -20. 74 | Peak | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



| Test Mode | TX 2440 MHz _CH19_1Mbps | Polarization | Horizontal |
|-----------|-------------------------|--------------|------------|

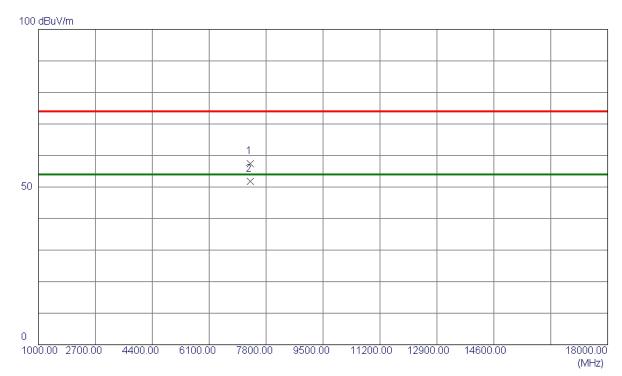


| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 2344. 0000 | 45. 36 | 9. 43 | 54. 79 | 74.00 | -19. 21 | Peak | |
| 2 | 2344. 0000 | 41. 36 | 9. 43 | 50. 79 | 54.00 | -3. 21 | AVG | |
| 3 | 2390. 0000 | 38. 61 | 9. 44 | 48. 05 | 74.00 | -25.95 | Peak | |
| 4 | 2390. 0000 | 29. 89 | 9. 44 | 39. 33 | 54.00 | -14. 67 | AVG | |
| 5 | 2439. 5000 | 91. 00 | 9. 46 | 100. 46 | 74.00 | 26. 46 | Peak | No Limit |
| 6 * | 2440. 0000 | 90. 72 | 9. 46 | 100. 18 | 54.00 | 46. 18 | AVG | No Limit |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



| Test Mode | TX 2440 MHz _CH19_1Mbps | Polarization | Horizontal |
|-----------|-------------------------|--------------|------------|

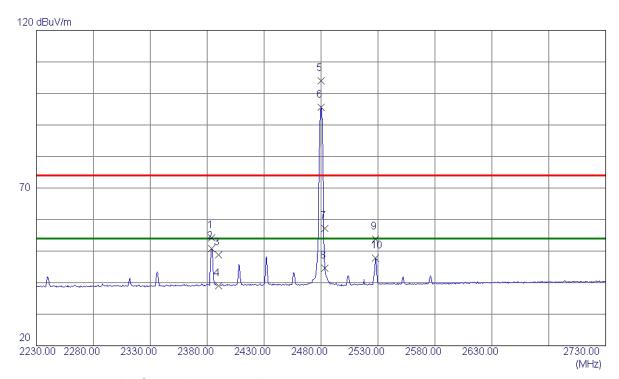


| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|---------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 7319. 2000 | 48. 81 | 8. 65 | 57.46 | 74.00 | -16. 54 | Peak | |
| 2 * | 7320. 0000 | 43. 06 | 8. 66 | 51. 72 | 54. 00 | -2. 28 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





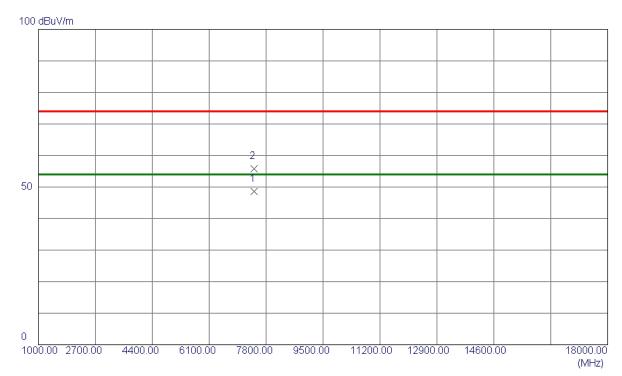


| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 2384. 0000 | 44. 67 | 9. 44 | 54. 11 | 74.00 | -19. 89 | Peak | |
| 2 | 2384. 0000 | 41. 44 | 9. 44 | 50. 88 | 54.00 | -3. 12 | AVG | |
| 3 | 2390. 0000 | 39. 31 | 9. 44 | 48. 75 | 74.00 | -25. 25 | Peak | |
| 4 | 2390. 0000 | 29. 64 | 9. 44 | 39. 08 | 54.00 | -14. 92 | AVG | |
| 5 | 2480. 0000 | 94. 48 | 9. 47 | 103. 95 | 74.00 | 29. 95 | Peak | No Limit |
| 6 * | 2480. 0000 | 86. 16 | 9. 47 | 95. 63 | 54.00 | 41.63 | AVG | No Limit |
| 7 | 2483. 5000 | 47. 77 | 9. 47 | 57. 24 | 74.00 | -16. 76 | Peak | |
| 8 | 2483. 5000 | 35. 15 | 9. 47 | 44. 62 | 54.00 | -9. 38 | AVG | |
| 9 | 2528. 0000 | 44. 18 | 9. 61 | 53. 79 | 74.00 | -20. 21 | Peak | |
| 10 | 2528. 0000 | 38. 22 | 9. 61 | 47. 83 | 54.00 | -6. 17 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



| Test Mode | TX 2480 MHz _CH39_1Mbps | Polarization | Horizontal |
|-----------|-------------------------|--------------|------------|

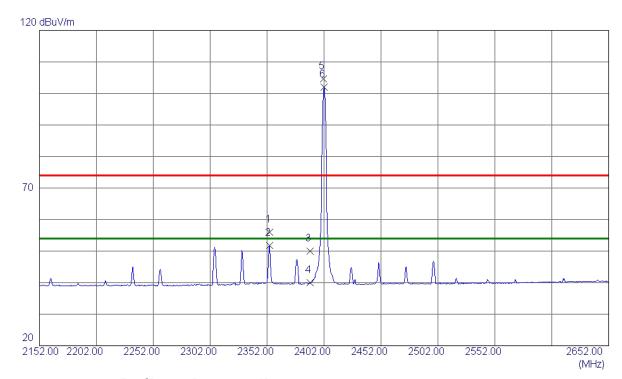


| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|---------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 * | 7439. 9000 | 39. 71 | 8. 94 | 48. 65 | 54.00 | -5. 35 | AVG | |
| 2 | 7439. 1000 | 46. 79 | 8. 94 | 55. 73 | 74. 00 | -18. 27 | Peak | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





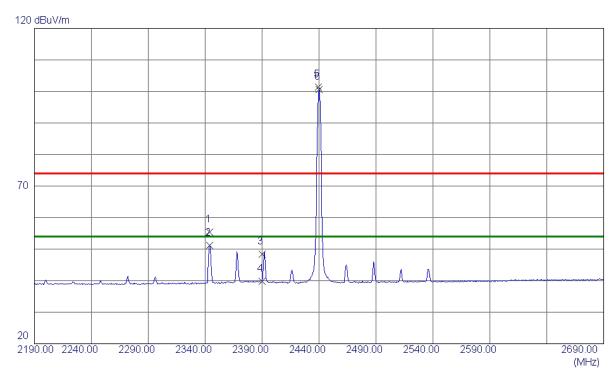


| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 2354. 0000 | 46. 62 | 9. 43 | 56. 05 | 74.00 | -17.95 | Peak | |
| 2 | 2354. 0000 | 42. 45 | 9. 43 | 51. 88 | 54.00 | -2. 12 | AVG | |
| 3 | 2390. 0000 | 40. 59 | 9. 44 | 50. 03 | 74.00 | -23. 97 | Peak | |
| 4 | 2390. 0000 | 30. 64 | 9. 44 | 40.08 | 54.00 | -13. 92 | AVG | |
| 5 | 2401. 5000 | 95. 11 | 9. 45 | 104. 56 | 74. 00 | 30. 56 | Peak | No Limit |
| 6 * | 2402. 0000 | 92. 62 | 9. 45 | 102. 07 | 54. 00 | 48. 07 | AVG | No Limit |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.





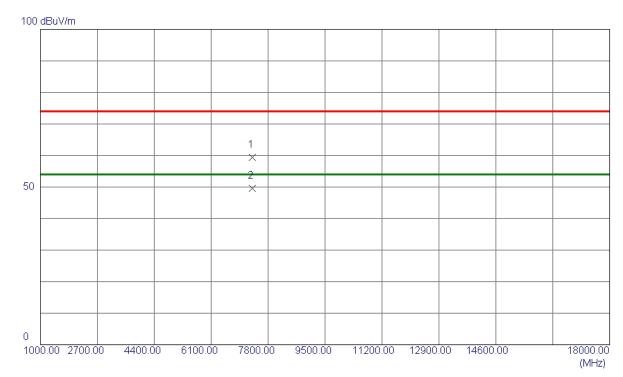


| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 2344. 0000 | 45. 97 | 9. 43 | 55. 40 | 74.00 | -18. 60 | Peak | |
| 2 | 2344. 0000 | 41.86 | 9. 43 | 51. 29 | 54.00 | -2.71 | AVG | |
| 3 | 2390. 0000 | 39. 05 | 9. 44 | 48. 49 | 74.00 | -25. 51 | Peak | |
| 4 | 2390. 0000 | 30. 41 | 9. 44 | 39. 85 | 54.00 | -14. 15 | AVG | |
| 5 | 2439. 5000 | 92. 03 | 9. 46 | 101. 49 | 74. 00 | 27. 49 | Peak | No Limit |
| 6 * | 2440. 0000 | 91. 09 | 9. 46 | 100. 55 | 54. 00 | 46. 55 | AVG | No Limit |

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



| Test Mode | TX 2440 MHz _CH19_2Mbps | Polarization | Horizontal |
|-----------|-------------------------|--------------|------------|

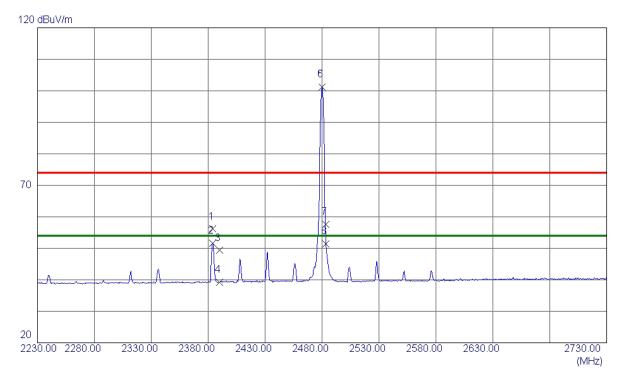


| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|------------|------------------|-------------------|-----------------|--------|---------|----------|---------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 7318. 6000 | 50. 75 | 8. 65 | 59. 40 | 74.00 | -14. 60 | Peak | |
| 2 * | 7321. 0000 | 40.87 | 8. 66 | 49. 53 | 54. 00 | -4. 47 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.







| No. | Freq. | Reading Level | Correct Factor | Measure ment | Limit | Margin | | |
|-----|------------|------------------|-------------------|-----------------|--------------|---------|----------|----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | 2384. 0000 | 46. 66 | 9. 44 | 56. 10 | 74.00 | -17. 90 | Peak | |
| 2 | 2384. 0000 | 42. 21 | 9. 44 | 51. 65 | 54.00 | -2. 35 | AVG | |
| 3 | 2390. 0000 | 39. 86 | 9. 44 | 49. 30 | 74.00 | -24. 70 | Peak | |
| 4 | 2390. 0000 | 29. 74 | 9. 44 | 39. 18 | 54.00 | -14.82 | AVG | |
| 5 | 2480. 0000 | 91. 70 | 9. 47 | 101. 17 | 74.00 | 27. 17 | Peak | No Limit |
| 6 * | 2480. 0000 | 91. 72 | 9. 47 | 101. 19 | 54.00 | 47. 19 | AVG | No Limit |
| 7 | 2483. 5000 | 48. 04 | 9. 47 | 57. 51 | 74. 00 | -16. 49 | Peak | |
| 8 | 2483. 5000 | 42. 0 2 | 9. 47 | 51. 49 | 54.00 | -2. 51 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.

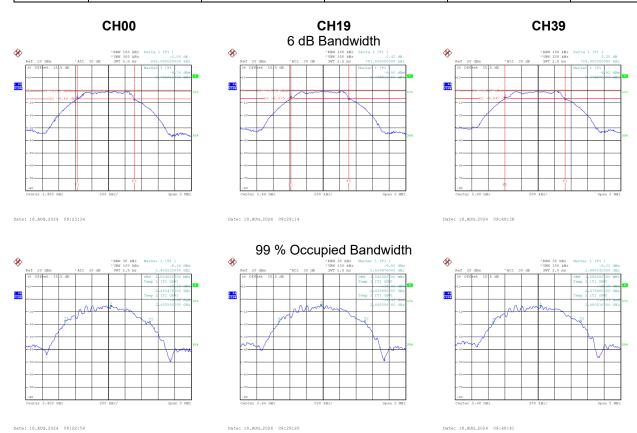


| APPENDIX D - BANDWIDTH |
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| Test Mode | TX Mode | 1Mbps |
|------------|---------|-------|
| 1001111040 | 1711000 | 11112 |

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | 6 dB Bandwidth Min. Limit (MHz) | Test Result |
|---------|--------------------|-------------------------|-------------------------------------|---------------------------------------|-------------|
| 00 | 2402 | 0.688 | 1.024 | 0.5 | Pass |
| 19 | 2440 | 0.702 | 1.040 | 0.5 | Pass |
| 39 | 2480 | 0.730 | 1.056 | 0.5 | Pass |





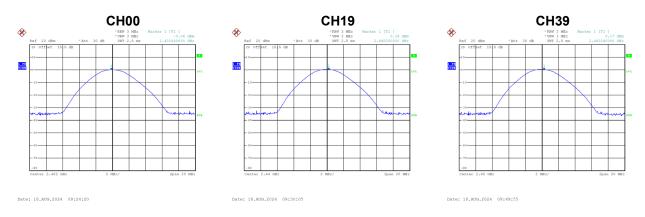
| APPENDIX E - MAXIMUM OUTPUT POWER |
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| Test Mode TX | Mode 1Mbp | ps |
|--------------|-----------|----|
|--------------|-----------|----|

| Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Test Result |
|--------------------|--------------------|---------------------|---------------------|-------------------|-------------|
| 2402 | -0.06 | 0.0010 | 30.00 | 1.0000 | Pass |
| 2440 | 0.18 | 0.0010 | 30.00 | 1.0000 | Pass |
| 2480 | 0.17 | 0.0010 | 30.00 | 1.0000 | Pass |

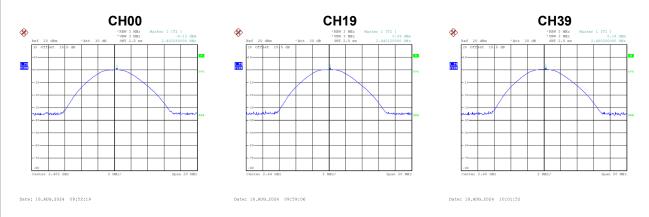
Note: Output power = Measure result + Cable loss





| Frequency (MHz) | Output Power (dBm) | Output Power (W) | Max. Limit (dBm) | Max. Limit (W) | Test Result |
|--------------------|--------------------|---------------------|---------------------|-------------------|-------------|
| 2402 | -0.13 | 0.0010 | 30.00 | 1.0000 | Pass |
| 2440 | 0.09 | 0.0010 | 30.00 | 1.0000 | Pass |
| 2480 | 0.18 | 0.0010 | 30.00 | 1.0000 | Pass |

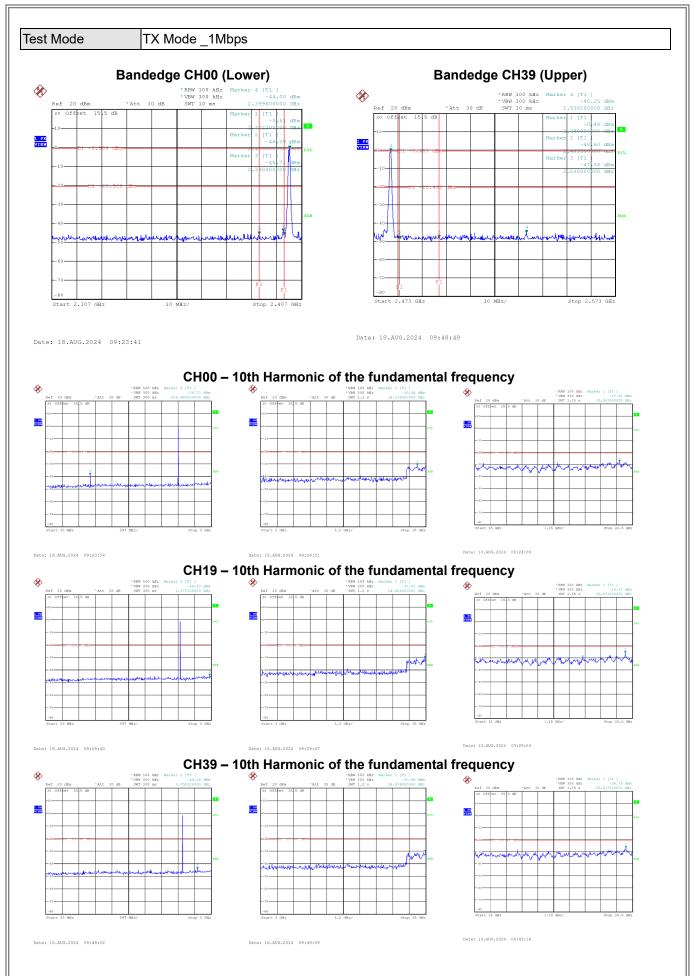
Note: Output power = Measure result + Cable loss



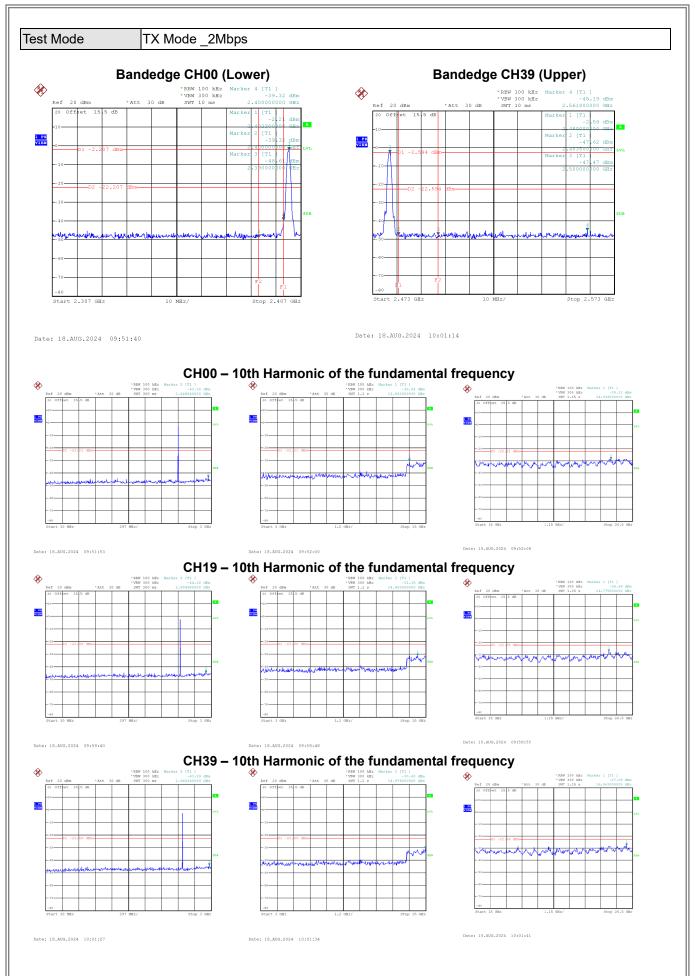


| APPENDIX F - CONDUCTED SPURIOUS EMISSION |
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APPENDIX G - POWER SPECTRAL DENSITY



| Test Mod | e | ΤX | Mode | _1Mb | os. |
|-----------|---|----|------|------|-----|
| 100111104 | • | | | | ~~ |

| Channel | Frequency (MHz) | Power Spectral Density (dBm/3 kHz) | Max. Limit (dBm/3 kHz) | Test Result |
|---------|--------------------|---------------------------------------|---------------------------|-------------|
| 00 | 2402 | -16.75 | 8.00 | Pass |
| 19 | 2440 | -16.57 | 8.00 | Pass |
| 39 | 2480 | -16.68 | 8.00 | Pass |



| Test Mod | le | TX Mode _ | _2Mbps |
|----------|----|-----------|--------|

| Channel | Frequency (MHz) | Power Spectral Density (dBm/3 kHz) | Max. Limit (dBm/3 kHz) | Test Result |
|---------|--------------------|---------------------------------------|---------------------------|-------------|
| 00 | 2402 | -19.42 | 8.00 | Pass |
| 19 | 2440 | -19.89 | 8.00 | Pass |
| 39 | 2480 | -20.92 | 8.00 | Pass |



End of Test Report