

TEST REPORT

| | |
|---------------------------------|---|
| Application No.: | GZCR2410001161AT |
| Applicant: | Comba Telecom Network Systems Limited |
| Address of Applicant: | Flat/Rm 10, 3/F, Bio-Informatics Ctr, 2 Science Park West Avenue, HK Science Park, Pak Shek Kok, N.T. Hong Kong |
| Manufacturer: | Comba Network Systems Company Limited |
| Address of Manufacturer: | No. 10 Shenzhou Road, Guangzhou Science City, Guangzhou 510663, Guangdong, P.R.China |
| Factory: | Comba Telecom Technology (Guangzhou) Ltd. |
| Address of Factory: | No. 6 Jinbi Road, Economics and Technology Development District, Guangzhou, Guangdong, China |
| Product Name: | SailaLite |
| Model No.: | SW-L |
| Trade Mark: | SailaWave |
| Standard(s) : | 47 CFR Part 15, Subpart C 15.247 |
| Date of Receipt: | 2024-10-08 |
| Date of Test: | 2024-11-07 to 2024-11-20 |
| Date of Issue: | 2024-11-20 |

| | |
|---------------------|--------------|
| Test Result: | Pass* |
|---------------------|--------------|

* In the configuration tested, the EUT complied with the standards specified above.



Ricky Liu
Manager

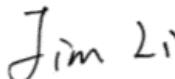


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| Revision Record | | | |
|-----------------|------------------|------------|----------|
| Version | Report No. | Date | Remark |
| 01 | GZCR241000116101 | 2024-11-20 | Original |
| | | | |
| | | | |

| Authorized for issue by: | | | |
|--------------------------|---|-------------------------|--|
| |  Jim Li | Jim Li/Project Engineer | |
| |  Vico Cui | Vico Cui /Reviewer | |



2 Test Summary

| Radio Spectrum Technical Requirement | | | | |
|---|----------------------------------|---------------|---|---------------|
| Item | Standard | Method | Requirement | Result |
| Antenna Requirement | 47 CFR Part 15, Subpart C 15.247 | N/A | 47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4) | Pass |

| Radio Spectrum Matter Part | | | | |
|---|----------------------------------|------------------------------------|---|---------------|
| Item | Standard | Method | Requirement | Result |
| Conducted Emissions at AC Power Line (150kHz-30MHz) | 47 CFR Part 15, Subpart C 15.247 | ANSI C63.10 (2013) Section 6.2 | 47 CFR Part 15, Subpart C 15.207 | Pass |
| Radiated Spurious Emissions Below 1GHz | | ANSI C63.10 (2013) Section 6.4,6.5 | 47 CFR Part 15, Subpart C 15.205 & 15.209 | Pass |
| Radiated Spurious Emissions Above 1GHz | | ANSI C63.10 (2013) Section 6.6 | 47 CFR Part 15, Subpart C 15.205 & 15.209 | Pass |
| Conducted Peak Output Power | | ANSI C63.10 (2013) Section 11.9.2 | 47 CFR Part 15, Subpart C 15.247(b)(3) | Pass |

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

Remark:

This report is based on original modular report XEWM2304000191RG03(FCC ID: XMR2023FC06E) C2PC for add host: SAILALITE. Model number: SW-L to the modular and C2PC change the modular antenna.

With following changes:

1. Replacing new PCB antenna with higher gain than the antenna previously authorized under the certification FCC ID: XMR2023FC06E.
2. Adding a host device.
3. Disabled Bluetooth classic, LE, U-NII-1, U-NII-2A and U-NII-2C through software methods.

For verify the changes with host device, only the Antenna Requirement, Conducted Emissions at AC Power Line (150kHz-30MHz), Radiated Spurious Emissions Below 1GHz, Radiated Spurious Emissions Above 1GHz and Conducted Peak Output Power were performed with new antenna.

Therefore, the new test data was kept in this report GZCR241000116101. For original data please refer to report XEWM2304000191RG03(FCC ID: XMR2023FC06E) for more details.



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4 General Information

4.1 Details of E.U.T.

| | |
|------------------|---|
| Power supply: | Power Input: 48VDC (From PoE Port) |
| Cable(s): | PoE Port (RJ45 Type) |
| Test Voltage: | AC 120 V, 60 Hz |
| RF character(s): | Refer to report XEWM2304000191RG03 (FCC ID: XMR2023FC06E) for 2.4G Wi-Fi details. |
| Antenna Type: | PCB Antenna |
| Antenna Gain: | 4 dBi for Ant 1 & Ant 2 |
| Remark: | Two antennas can simultaneous transmission |
| Antenna Number: | 2 |

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|--------------------------------|---------------|--|------------|
| Switching Gigabit Power Supply | Ubiquiti Inc. | ADG-L-160-50 (Input: AC187-264V, 43-63Hz; Output: DC Max. 160V, 50A) | EMC2167 |

4.3 Measurement Uncertainty

| Test Item | Measurement Uncertainty |
|---|---|
| Conducted Emissions at AC Power Line (150kHz-30MHz) | ±3.22dB |
| Radiated Spurious Emissions Below 1GHz | ±3.08dB (9kHz to 150kHz);±3.19dB(150kHz to 30MHz);±5.14dB (30MHz-1GHz) (3m); ±4.90dB (30MHz-1GHz) (10m) |
| Radiated Spurious Emissions Above 1GHz | ±4.88dB (1GHz-6GHz);±5.06dB (6GHz-18GHz); ±5.30dB (18GHz-40GHz) |

Remark:

The U_{lab} (lab Uncertainty) is less than U_{cispr} (CISPR Uncertainty) or U_{ETSI} (ETSI Uncertainty).

Emission decision rule:

- Compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit, marked as Pass in the report.
- Non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit, marked as Fail in the report.

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4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou,
Guangdong, China 510663
Tel: +86 20 82155555
No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

| Conducted Emissions at AC Power Line (150kHz-30MHz) | | | | | |
|--|---------------------|------------------|----------------------|-----------------|---------------------|
| Equipment | Manufacturer | Model No. | Inventory No. | Cal Date | Cal Due Date |
| Coaxial Cable | HangTianXing | 2m | EMC0107 | 2023-08-24 | 2025-08-23 |
| Shielding Room | ChangZhou ZhongYu | 8m x 3m x 3.8m | EMC0306 | 2022-10-16 | 2025-10-15 |
| Two-Line V-Network-GZ | Rohde & Schwarz | ENV216 | EMC2135 | 2024-09-02 | 2025-09-01 |
| EMI Test Receiver (9kHz-3.6GHz) | Rohde & Schwarz | ESR3 | EMC2221 | 2024-05-13 | 2025-05-12 |
| Test Software E3r | Audix | Ver.6.191211 | GZE100-77 | N/A | N/A |

| Radiated Spurious Emissions Below 1GHz | | | | | |
|---|-----------------------------|------------------|----------------------|-----------------|---------------------|
| Equipment | Manufacturer | Model No. | Inventory No. | Cal Date | Cal Due Date |
| 966 Anechoic Chamber | Shenzhen C.R.T | CRTSGSSAC966 | EMC2230 | 2022-04-12 | 2025-04-11 |
| EMI Test Receiver(1Hz-8GHz) | Rohde & Schwarz | ESW8 | EMC2229 | 2024-02-19 | 2025-02-18 |
| Amplifier(9k-1000MHz) | SONOMA | 310 | EMC2237 | 2024-03-22 | 2025-03-21 |
| Trilog Broadband Antenna (25MHz-2GHz) | Schwarzbeck Mess-Elektronik | VULB 9168 | EMC2238 | 2022-04-20 | 2025-04-19 |
| Coaxial Cable | Mirco-COAX UTIFLEX ve | LA2-C125-8000 | EMC2239 | 2023-06-14 | 2025-06-13 |
| Test Software E3 | Audix | Ver.6.191211 | GZE100-81 | N/A | N/A |
| Active Loop Antenna-RED | ETS-Lindgren | 6502 | EMC2190 | 2024-04-08 | 2026-04-07 |



Radiated Spurious Emissions Above 1GHz

| Equipment | Manufacturer | Model No. | Inventory No. | Cal Date | Cal Due Date |
|----------------------------------|-----------------------------|---------------|---------------|------------|--------------|
| 1GHz-26.5 GHz Pre-Amplifier | Agilent | 8449B | EMC0521 | 2024-10-14 | 2025-10-13 |
| EMI Test Receiver (10Hz-26.5GHz) | Rohde & Schwarz | ESIB26 | EMC0522 | 2024-09-02 | 2025-09-01 |
| Chamber cable (Above 1GHz) | Scoflex | KMKM-8.0m | EMC0545 | 2024-08-19 | 2026-08-18 |
| Horn Antenna (1GHz-18GHz) | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D | EMC2026 | 2022-09-23 | 2025-09-22 |
| Horn Antenna (14-40GHz) | SCHWARZBECK | BBHA 9170 | EMC2041 | 2023-06-18 | 2026-06-17 |
| 2.4GHz Filter | Micro-Tronics | BRM 50702 | EMC2069 | 2024-10-14 | 2025-10-13 |
| EXA Signal Analyzer (10Hz-44GHz) | Keysight | N9010A | EMC2138 | 2024-08-19 | 2025-08-18 |
| MXE EMI Receiver (10Hz-8.4GHz) | Keysight | N9038A | EMC2139 | 2024-10-14 | 2025-10-13 |
| 966 Anechoic Chamber | C.R.T | 9m x 6m x 6m | EMC2142 | 2023-12-20 | 2026-12-19 |
| Test Software E3 | Audix | Ver.6.120110a | GZE100-61 | N/A | N/A |

General used equipment

| Equipment | Manufacturer | Model No. | Inventory No. | Cal Date | Cal Due Date |
|-----------|--------------|-----------|---------------|------------|--------------|
| DMM | Fluke | 73 | EMC0006 | 2024-06-13 | 2025-06-12 |

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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

Standard Requirement:

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, 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.

15.247(b) (4) requirement:

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.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is Ant1: 4 dBi; Ant2: 4 dBi. The directional gain is: 7.01 dBi.

$$\text{Directional gain} = G_{\text{ANT}} + 10 \log (N_{\text{ANT}}) \text{ dBi}$$

$$\text{Directional gain} = 4 + 10 \log (2) \text{ dBi} = 7.01 \text{ dBi}$$

Antenna location: Refer to internal photo.



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7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

| Frequency of emission (MHz) | Conducted limit (dB μ V) | |
|--------------------------------|------------------------------|-----------|
| | 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.

Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

7.1.1 E.U.T. Operation

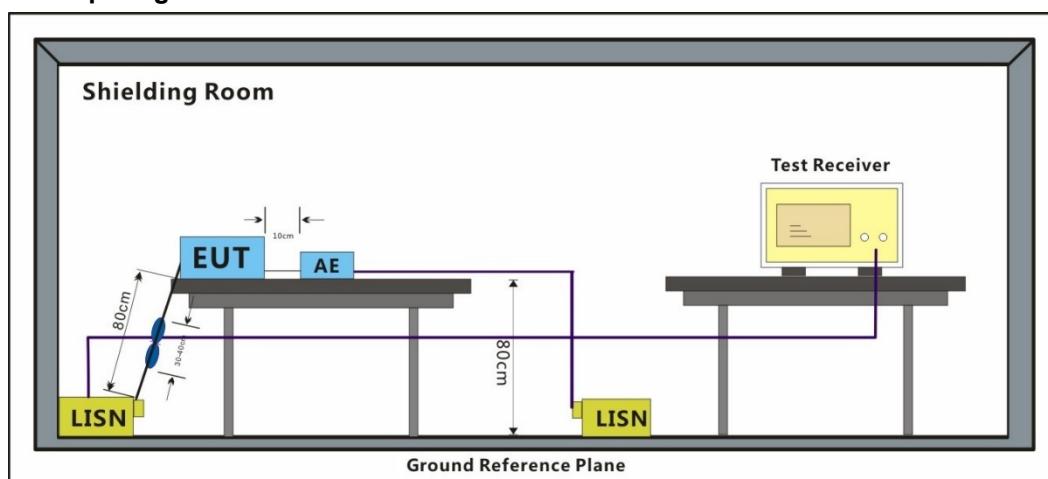
Operating Environment:

Temperature: 24.2 °C Humidity: 52.7 % RH Atmospheric Pressure: 1013 mbar

7.1.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|--------------------------|--------------|--|
| Final test | 02 | Operation(2.4G Wi-Fi):Keep the EUT communication with the companion device via 2.4G Wi-Fi. |

7.1.3 Test Setup Diagram



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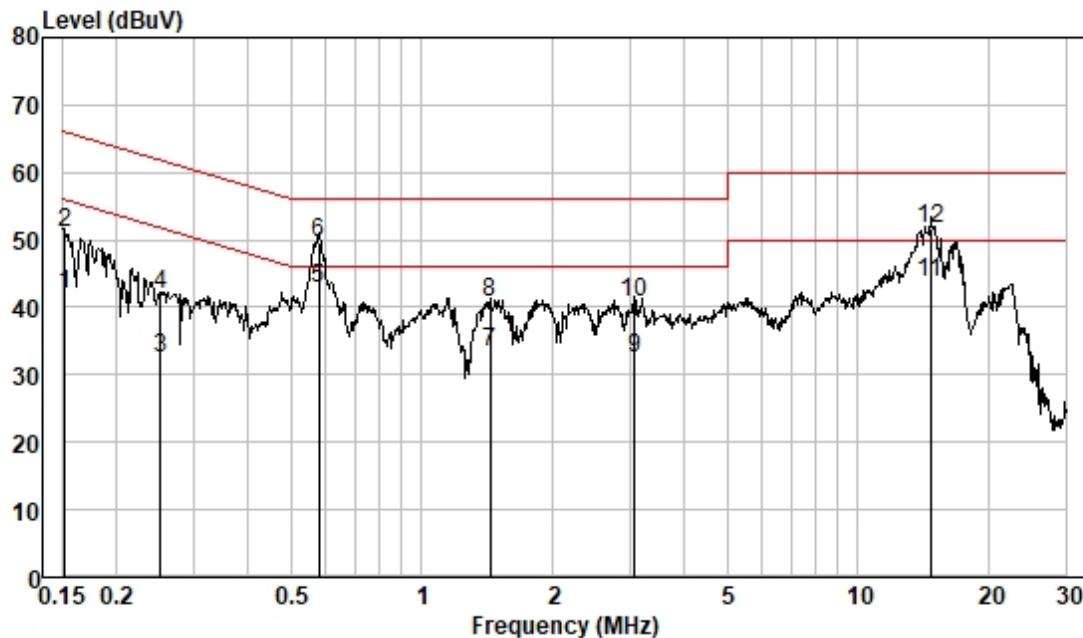
7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor



Test Mode: 02; Line: Live line



Pol : LINE

Mode :

Model :

Power :

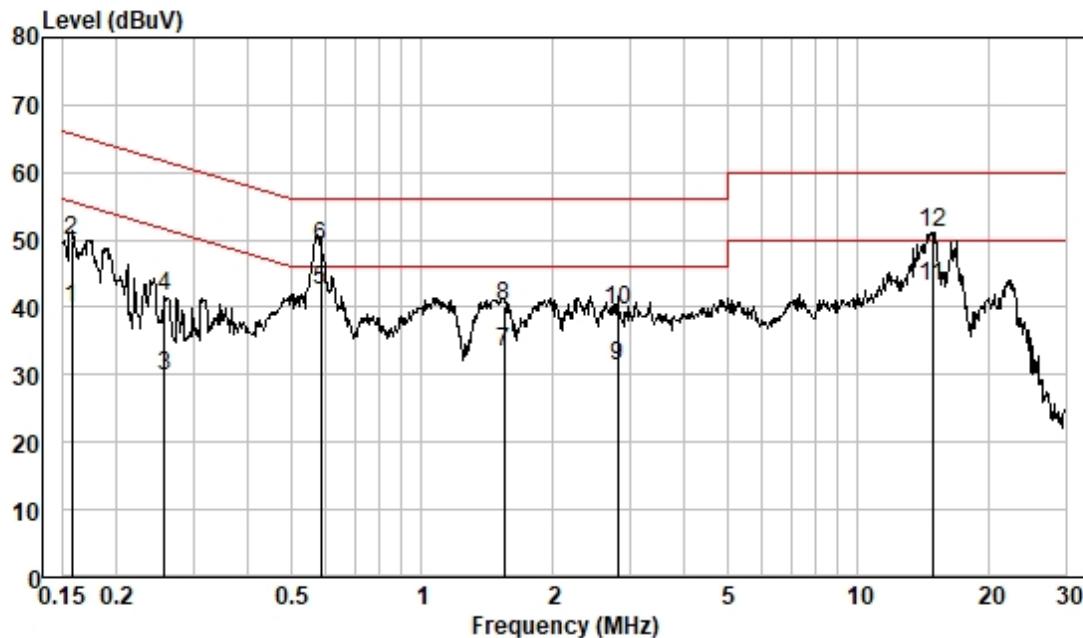
| | Frequenc | Read Level | Cable Loss | LISN Factor | Measured Level | Limit Line | Over Limit | Remark |
|----|----------|------------|------------|-------------|----------------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.152 | 32.36 | 0.04 | 9.57 | 41.97 | 55.91 | -13.94 | Average |
| 2 | 0.152 | 41.33 | 0.04 | 9.57 | 50.94 | 65.91 | -14.97 | QP |
| 3 | 0.252 | 22.83 | 0.04 | 9.60 | 32.47 | 51.69 | -19.22 | Average |
| 4 | 0.252 | 32.33 | 0.04 | 9.60 | 41.97 | 61.69 | -19.72 | QP |
| 5 | 0.579 | 33.30 | 0.05 | 9.55 | 42.90 | 46.00 | -3.10 | Average |
| 6 | 0.579 | 39.88 | 0.05 | 9.55 | 49.48 | 56.00 | -6.52 | QP |
| 7 | 1.433 | 23.52 | 0.10 | 9.59 | 33.21 | 46.00 | -12.79 | Average |
| 8 | 1.433 | 31.13 | 0.10 | 9.59 | 40.82 | 56.00 | -15.18 | QP |
| 9 | 3.074 | 22.62 | 0.16 | 9.56 | 32.34 | 46.00 | -13.66 | Average |
| 10 | 3.074 | 31.10 | 0.16 | 9.56 | 40.82 | 56.00 | -15.18 | QP |
| 11 | 14.672 | 33.46 | 0.32 | 9.84 | 43.62 | 50.00 | -6.38 | Average |
| 12 | 14.672 | 41.59 | 0.32 | 9.84 | 51.75 | 60.00 | -8.25 | QP |



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Test Mode: 02; Line: Neutral Line



Pol : NEUTRAL

Mode :

Model :

Power :

| | Frequenc | Read Level | Cable Loss | LISN Factor | Measured Level | Limit Line | Over Limit | Remark |
|----|----------|------------|------------|-------------|----------------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.157 | 30.40 | 0.04 | 9.52 | 39.96 | 55.60 | -15.64 | Average |
| 2 | 0.157 | 40.37 | 0.04 | 9.52 | 49.93 | 65.60 | -15.67 | QP |
| 3 | 0.258 | 20.39 | 0.04 | 9.53 | 29.96 | 51.51 | -21.55 | Average |
| 4 | 0.258 | 32.07 | 0.04 | 9.53 | 41.64 | 61.51 | -19.87 | QP |
| 5 | 0.585 | 32.81 | 0.05 | 9.57 | 42.43 | 46.00 | -3.57 | Average |
| 6 | 0.585 | 39.38 | 0.05 | 9.57 | 49.00 | 56.00 | -7.00 | QP |
| 7 | 1.544 | 23.68 | 0.10 | 9.53 | 33.31 | 46.00 | -12.69 | Average |
| 8 | 1.544 | 30.60 | 0.10 | 9.53 | 40.23 | 56.00 | -15.77 | QP |
| 9 | 2.809 | 21.69 | 0.15 | 9.57 | 31.41 | 46.00 | -14.59 | Average |
| 10 | 2.809 | 29.76 | 0.15 | 9.57 | 39.48 | 56.00 | -16.52 | QP |
| 11 | 14.828 | 32.92 | 0.33 | 9.90 | 43.15 | 50.00 | -6.85 | Average |
| 12 | 14.828 | 40.80 | 0.33 | 9.90 | 51.03 | 60.00 | -8.97 | QP |



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7.2 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Limit:

Test Distance: 3 m

| 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 |
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| 960-1000 | 500 | 3 |

7.2.1 E.U.T. Operation

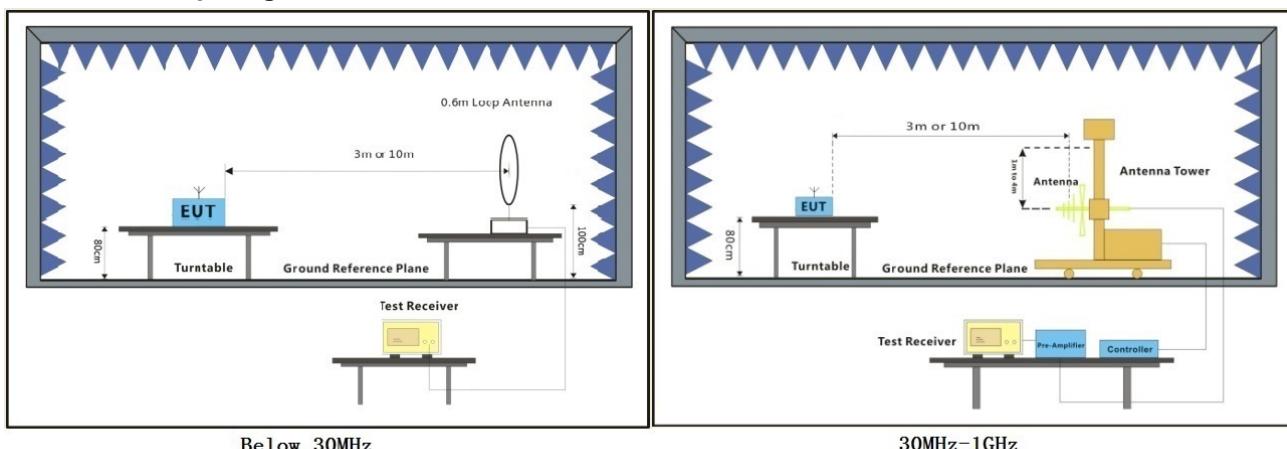
Operating Environment:

Temperature: 22.9 °C Humidity: 57.5 % RH Atmospheric Pressure: 1013 mbar

7.2.2 Test Mode Description

| Pre-scan / Mode Final test | Mode Code | Description |
|-------------------------------|--------------|--|
| Final test | 02 | Operation(2.4G Wi-Fi):Keep the EUT communication with the companion device via 2.4G Wi-Fi. |

7.2.3 Test Setup Diagram



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7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

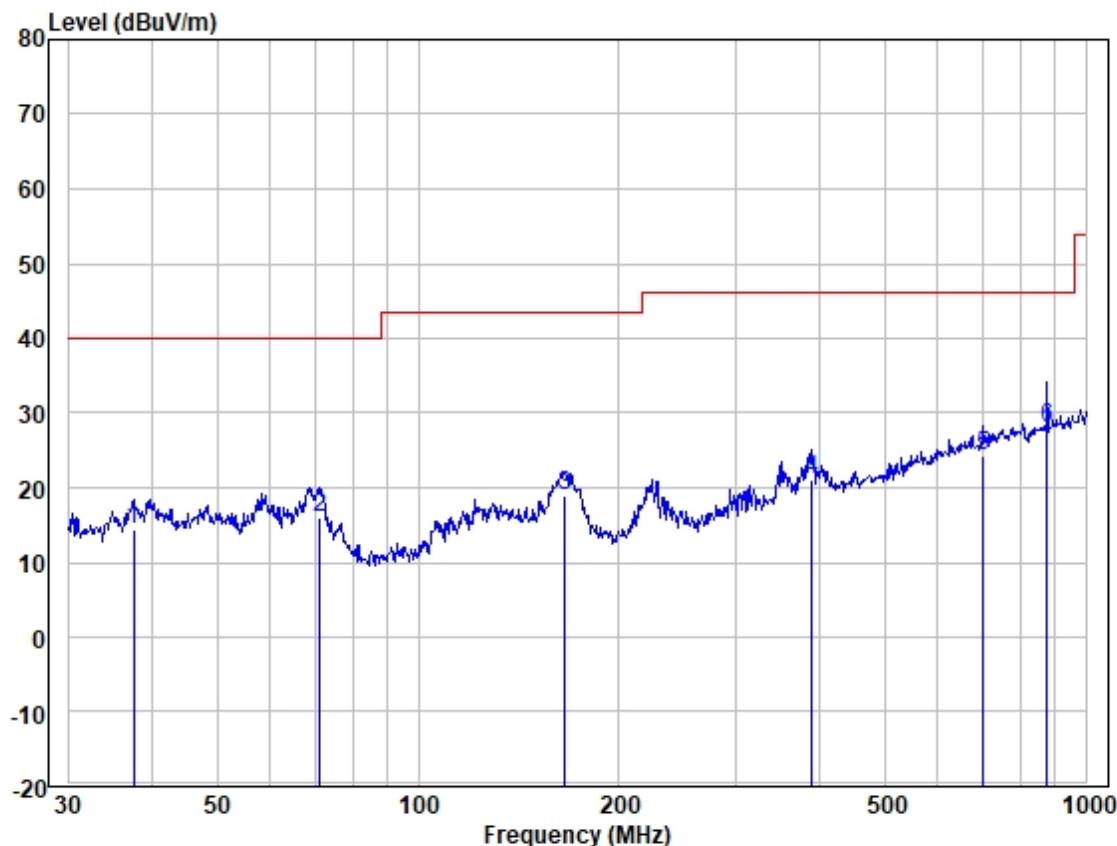
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.



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Test Mode: 02; Polarity: Horizontal



Site : 966 Chamber
Job :
Model :
Power :
Test Mode :

| Freq | Read | Antena | Cable | Preamp | Measured | Limit | Over | Pol/ | Remark |
|-----------|-------|--------|-------|--------|----------|-------|--------|------------|--------|
| | Level | Factor | Loss | Factor | Level | Line | Limit | Phase | |
| 1 37.548 | 28.13 | 18.73 | 0.34 | 32.86 | 14.34 | 40.00 | -25.66 | HORIZONTAL | QP |
| 2 71.330 | 31.69 | 16.83 | 0.46 | 32.85 | 16.13 | 40.00 | -23.87 | HORIZONTAL | QP |
| 3 166.068 | 32.20 | 18.99 | 0.71 | 32.83 | 19.07 | 43.52 | -24.45 | HORIZONTAL | QP |
| 4 389.355 | 31.51 | 21.30 | 1.15 | 32.92 | 21.04 | 46.02 | -24.98 | HORIZONTAL | QP |
| 5 701.761 | 28.39 | 26.90 | 1.54 | 32.53 | 24.30 | 46.02 | -21.72 | HORIZONTAL | QP |
| 6 875.247 | 29.45 | 29.08 | 1.74 | 32.24 | 28.03 | 46.02 | -17.99 | HORIZONTAL | QP |

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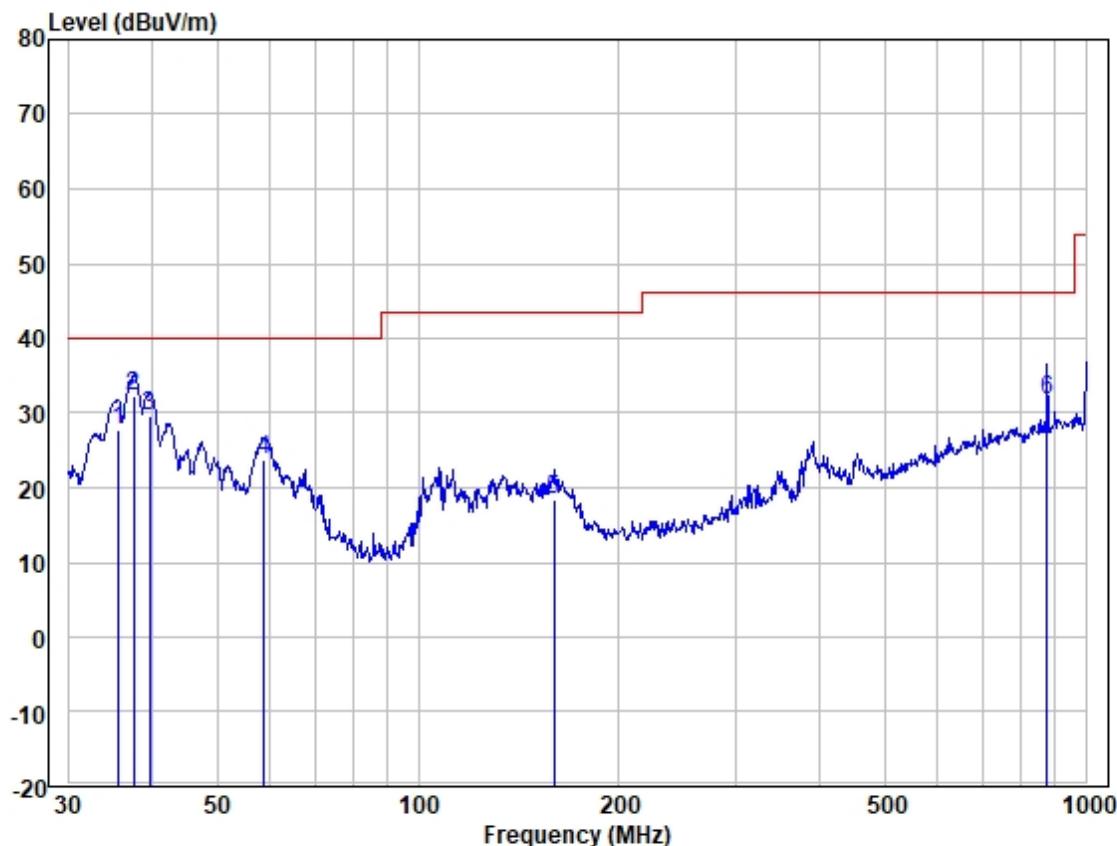
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Test Mode: 02; Polarity: Vertical



Site : 966 Chamber
Job :
Model :
Power :
Test Mode :

| Freq | Read | Antena | Cable | Preamp | Measured | Limit | Over | Pol/ | Remark |
|-----------|-------|--------|-------|--------|----------|-------|--------|----------|--------|
| | Level | Factor | Loss | Factor | Level | Line | Limit | Phase | |
| 1 35.624 | 41.83 | 18.39 | 0.33 | 32.86 | 27.69 | 40.00 | -12.31 | VERTICAL | QP |
| 2 37.548 | 46.09 | 18.73 | 0.34 | 32.86 | 32.30 | 40.00 | -7.70 | VERTICAL | QP |
| 3 39.576 | 42.97 | 19.09 | 0.35 | 32.87 | 29.54 | 40.00 | -10.46 | VERTICAL | QP |
| 4 58.819 | 37.30 | 18.89 | 0.41 | 32.87 | 23.73 | 40.00 | -16.27 | VERTICAL | QP |
| 5 159.784 | 31.23 | 19.21 | 0.70 | 32.83 | 18.31 | 43.52 | -25.21 | VERTICAL | QP |
| 6 875.247 | 33.05 | 29.08 | 1.74 | 32.24 | 31.63 | 46.02 | -14.39 | VERTICAL | QP |



7.3 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.6

Limit:

| Frequency (MHz) | Field strength (microvolts/meter) | Measurement distance(meters) |
|-----------------|-----------------------------------|------------------------------|
| Above 1000 | 500 | 3 |

7.3.1 E.U.T. Operation

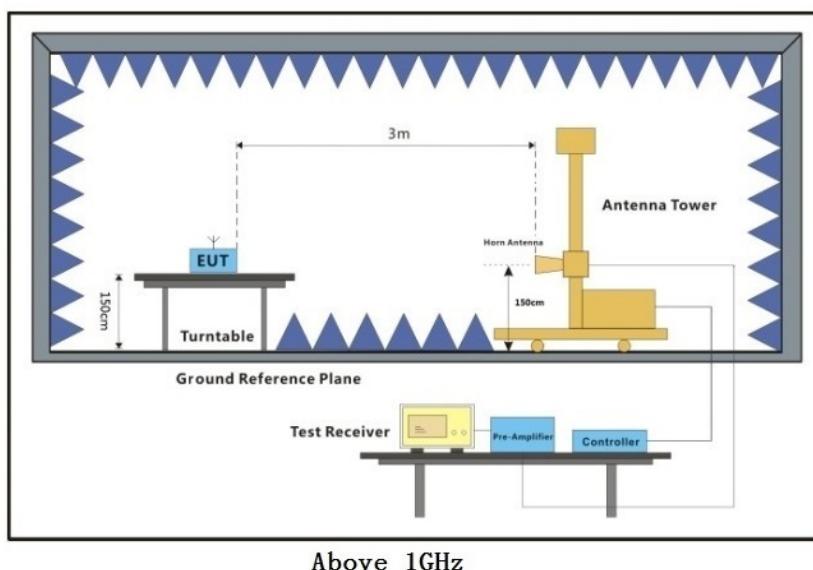
Operating Environment:

Temperature: 23.8 °C Humidity: 50.7 % RH Atmospheric Pressure: 1013 mbar

7.3.2 Test Mode Description

| Pre-scan / Mode | Description |
|-----------------|--|
| Final test Code | TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report. |
| Final test 00 | |

7.3.3 Test Setup Diagram



Above 1GHz

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7.3.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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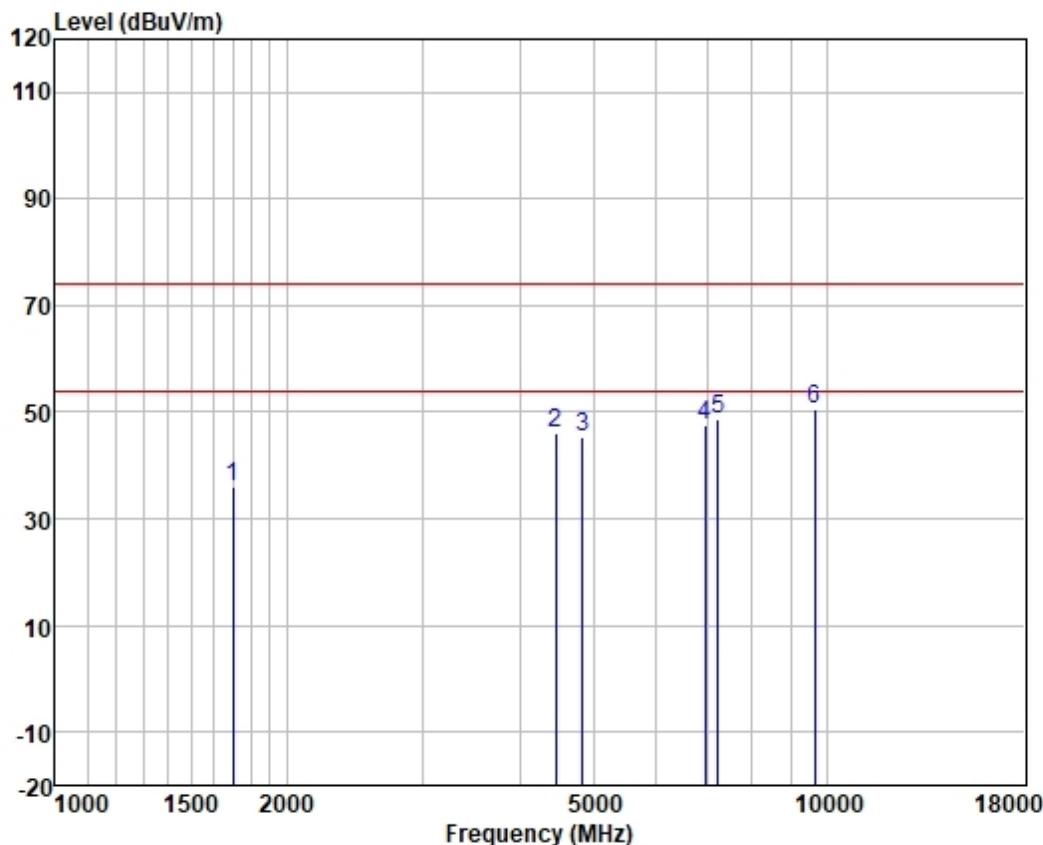
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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



| Freq | Read | Antenna | Cable | Preamp | Limit | | Over | Over | Remark | |
|------|----------|---------|--------|--------|--------|--------|--------|--------|-----------|------|
| | Freq | Level | Factor | Loss | Factor | Level | Line | Limit | Pol/Phase | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 1702.042 | 46.20 | 25.15 | 2.85 | 38.03 | 36.17 | 74.00 | -37.83 | VERTICAL | peak |
| 2 | 4456.315 | 44.79 | 34.00 | 4.61 | 37.45 | 45.95 | 74.00 | -28.05 | VERTICAL | peak |
| 3 | 4824.000 | 43.68 | 34.16 | 4.82 | 37.37 | 45.29 | 74.00 | -28.71 | VERTICAL | peak |
| 4 | 6954.852 | 43.78 | 35.04 | 5.86 | 37.14 | 47.54 | 74.00 | -26.46 | VERTICAL | peak |
| 5 | 7236.000 | 44.09 | 35.78 | 5.95 | 37.17 | 48.65 | 74.00 | -25.35 | VERTICAL | peak |
| 6 | 9648.000 | 41.75 | 38.70 | 7.05 | 37.11 | 50.39 | 74.00 | -23.61 | VERTICAL | peak |

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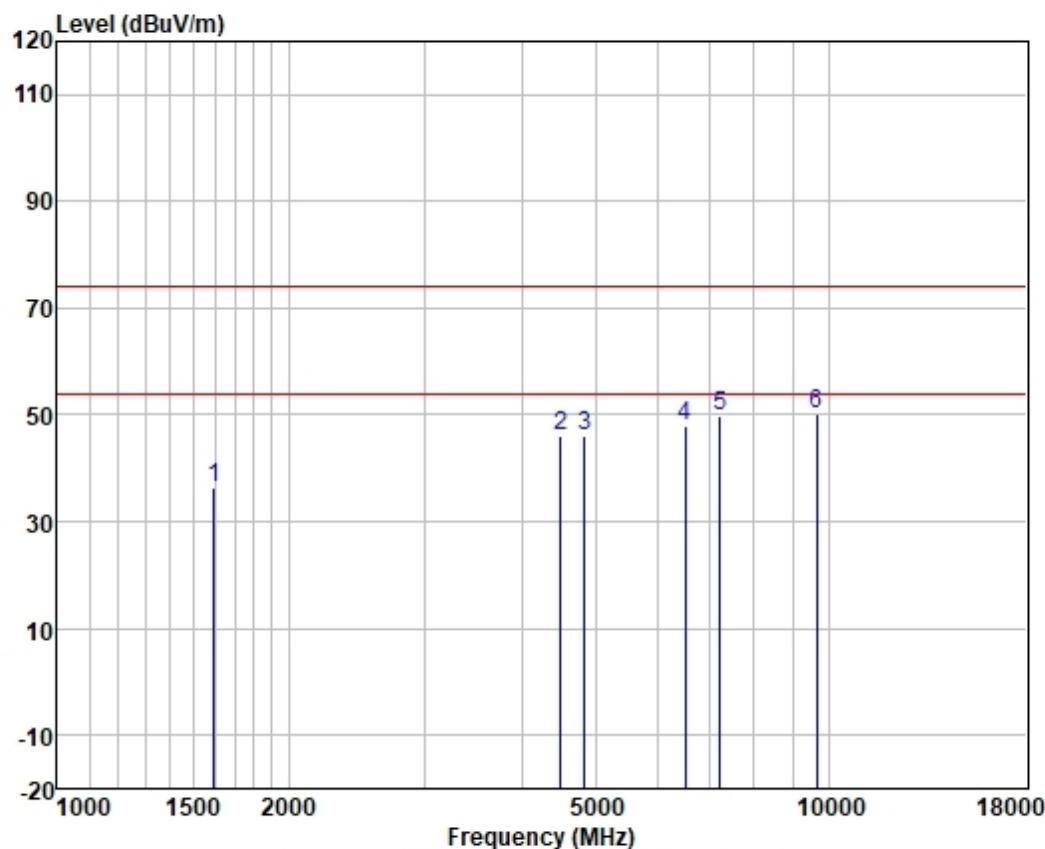
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Over | Remark |
|------|-------------|-------|---------|------|--------|--------|-------|--------|------------|--------|
| | Freq | Level | Antenna | Loss | Factor | Level | Line | Limit | Pol/Phase | Remark |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | |
| 1 | 1597.181 | 46.95 | 24.68 | 2.75 | 38.15 | 36.23 | 74.00 | -37.77 | HORIZONTAL | peak |
| 2 | 4495.125 | 44.60 | 34.17 | 4.62 | 37.44 | 45.95 | 74.00 | -28.05 | HORIZONTAL | peak |
| 3 | 4824.000 | 44.31 | 34.16 | 4.82 | 37.37 | 45.92 | 74.00 | -28.08 | HORIZONTAL | peak |
| 4 | 6526.373 | 45.36 | 33.91 | 5.66 | 37.12 | 47.81 | 74.00 | -26.19 | HORIZONTAL | peak |
| 5 | 7236.000 | 45.25 | 35.78 | 5.95 | 37.17 | 49.81 | 74.00 | -24.19 | HORIZONTAL | peak |
| 6 | 9648.000 | 41.40 | 38.70 | 7.05 | 37.11 | 50.04 | 74.00 | -23.96 | HORIZONTAL | peak |

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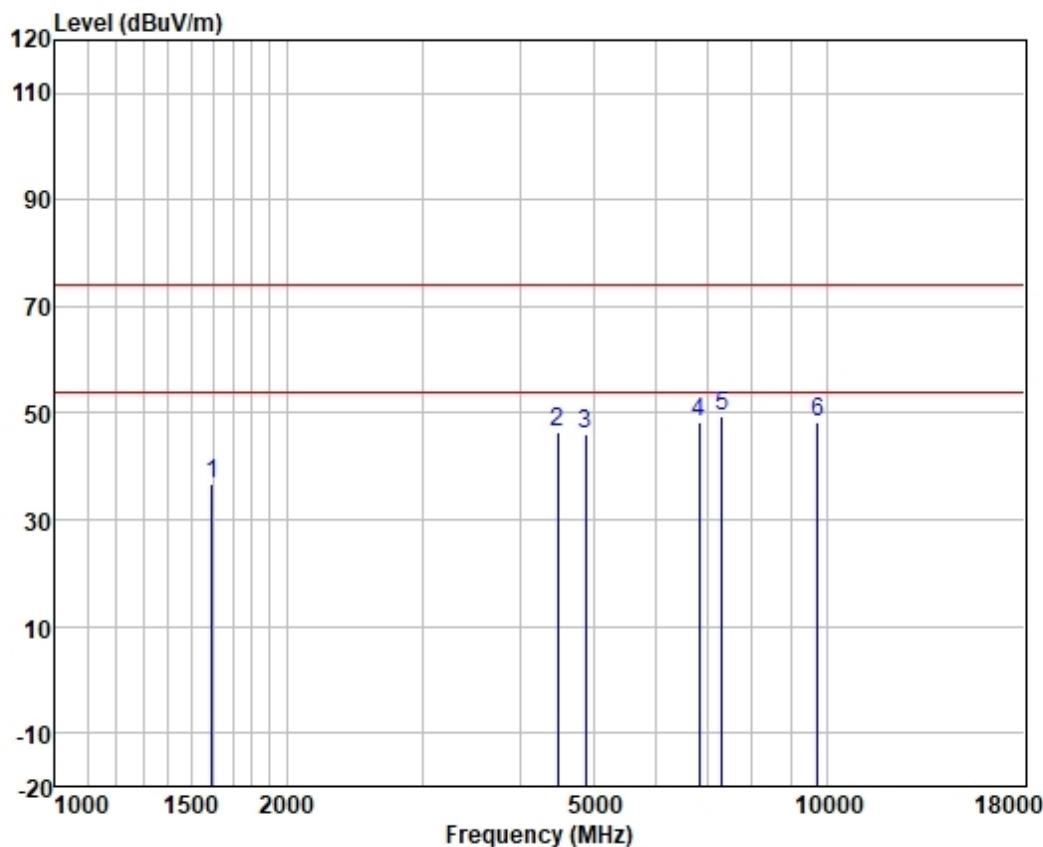
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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:middle



| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Limit | Pol/Phase | Remark |
|------|-------------|--------|-------|--------|--------|--------|------------|------------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 1597.181 | 47.39 | 24.68 | 2.75 | 38.15 | 36.67 | 74.00 | -37.33 | VERTICAL | peak |
| 2 | 4482.150 | 45.29 | 34.12 | 4.62 | 37.44 | 46.59 | 74.00 | -27.41 | VERTICAL | peak |
| 3 | 4874.000 | 44.43 | 34.15 | 4.85 | 37.35 | 46.08 | 74.00 | -27.92 | VERTICAL | peak |
| 4 | 6835.278 | 44.98 | 34.79 | 5.81 | 37.13 | 48.45 | 74.00 | -25.55 | VERTICAL | peak |
| 5 | 7311.000 | 44.66 | 36.00 | 5.98 | 37.18 | 49.46 | 74.00 | -24.54 | VERTICAL | peak |
| 6 | 9748.000 | 39.69 | 38.81 | 7.11 | 37.11 | 48.50 | 74.00 | -25.50 | VERTICAL | peak |

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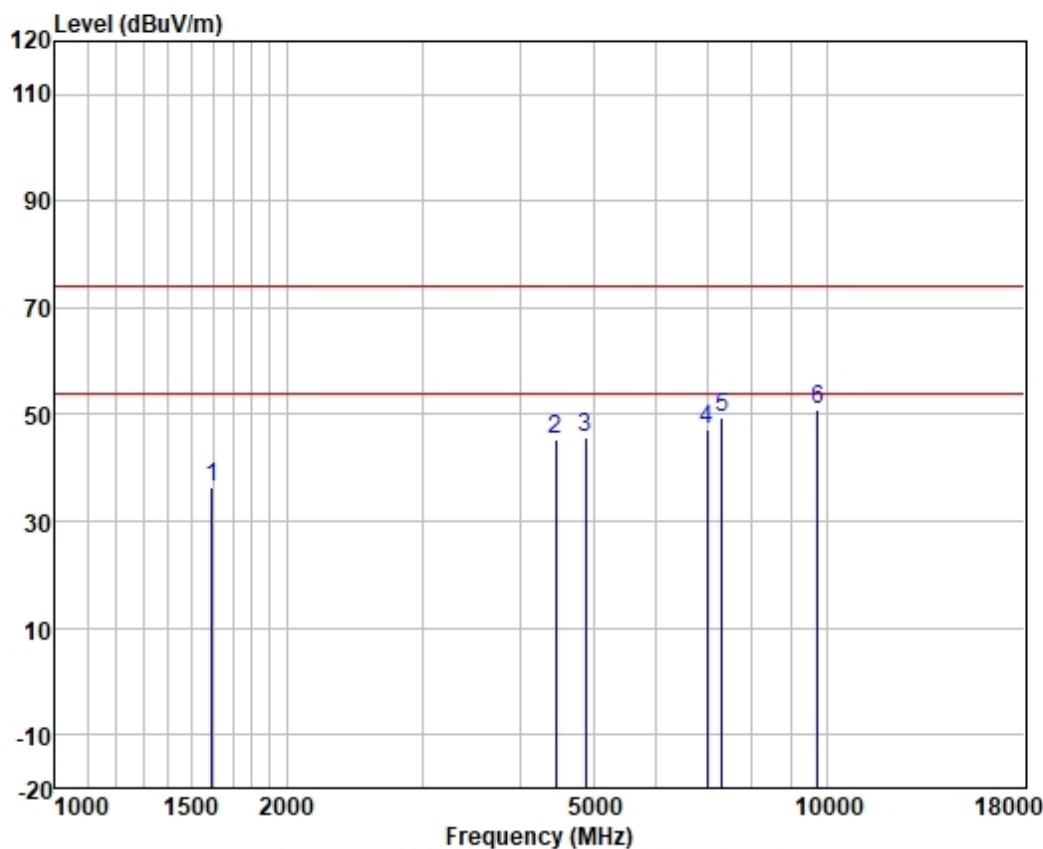
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:middle



| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Over | Remark |
|------|-------------|-------|---------|------|--------|-------|--------|--------|------------|--------|
| | Freq | Level | Antenna | Loss | Factor | Level | | | | |
| | MHz | dBuV | dB/m | | dB | dB | dBuV/m | dBuV/m | | |
| 1 | 1597.181 | 46.94 | 24.68 | 2.75 | 38.15 | 36.22 | 74.00 | -37.78 | HORIZONTAL | peak |
| 2 | 4456.315 | 44.29 | 34.00 | 4.61 | 37.45 | 45.45 | 74.00 | -28.55 | HORIZONTAL | peak |
| 3 | 4874.000 | 43.95 | 34.15 | 4.85 | 37.35 | 45.60 | 74.00 | -28.40 | HORIZONTAL | peak |
| 4 | 6995.172 | 43.47 | 35.11 | 5.87 | 37.15 | 47.30 | 74.00 | -26.70 | HORIZONTAL | peak |
| 5 | 7311.000 | 44.55 | 36.00 | 5.98 | 37.18 | 49.35 | 74.00 | -24.65 | HORIZONTAL | peak |
| 6 | 9748.000 | 42.00 | 38.81 | 7.11 | 37.11 | 50.81 | 74.00 | -23.19 | HORIZONTAL | peak |

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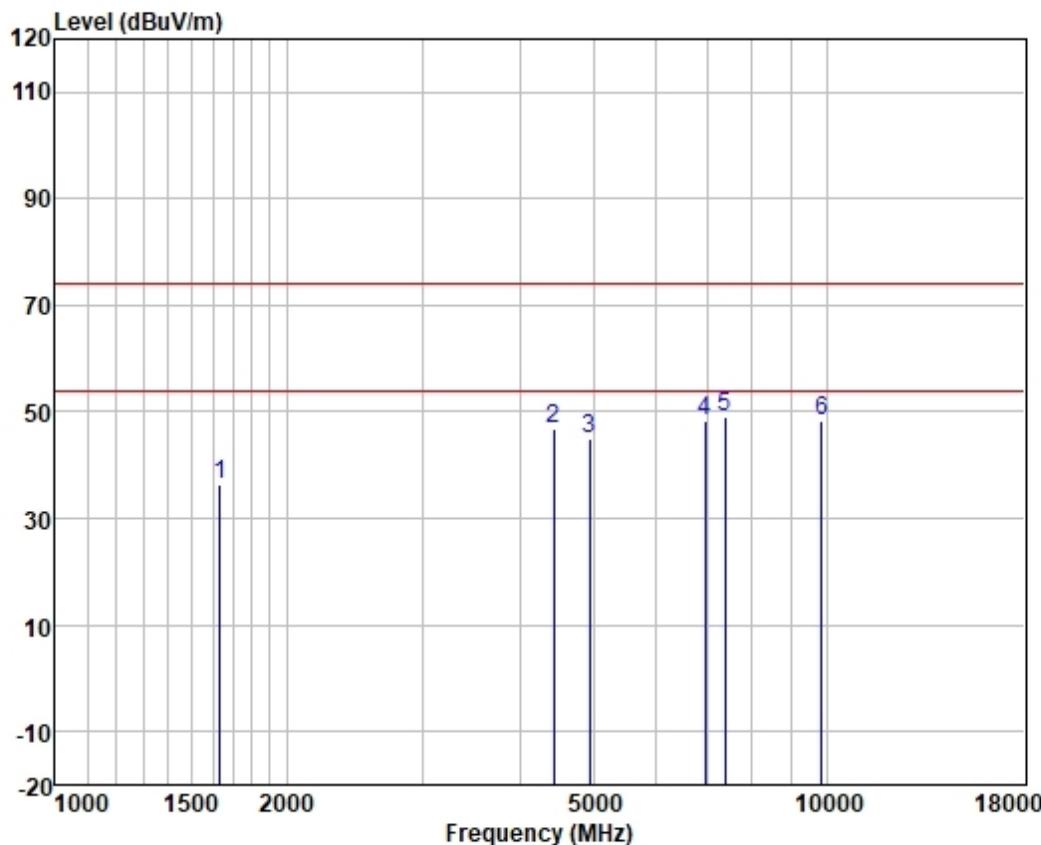
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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High



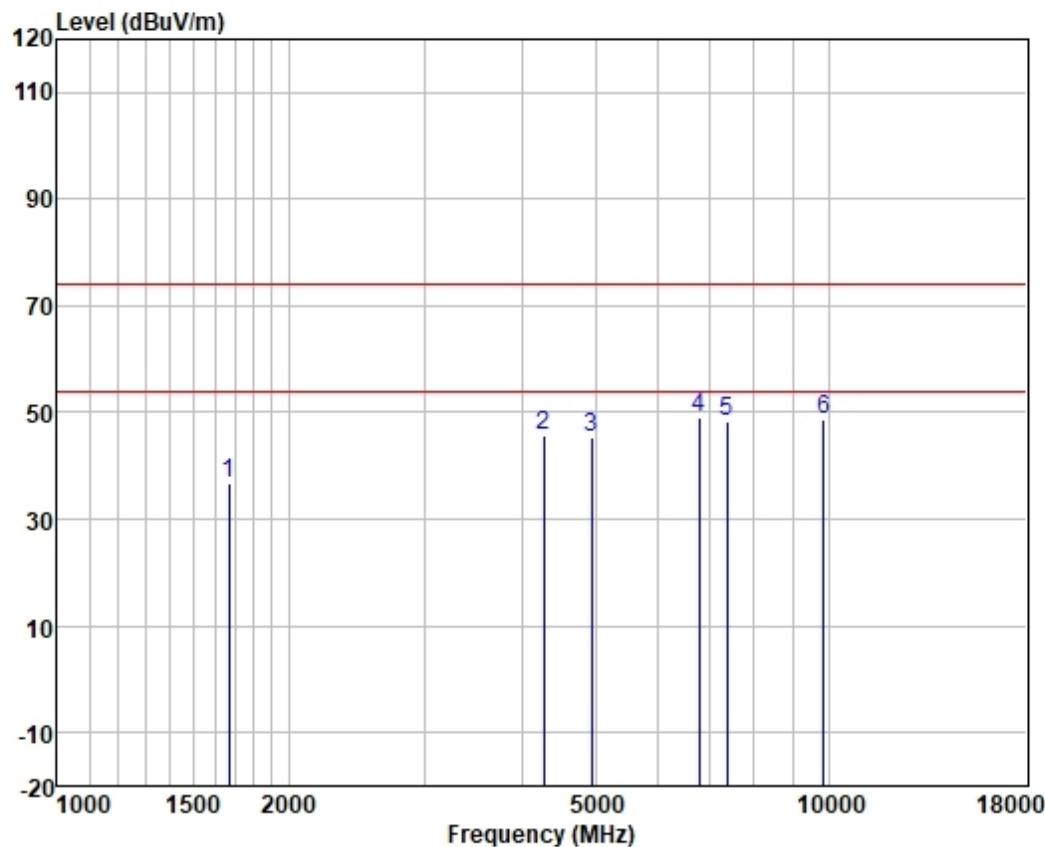
| Freq | ReadAntenna | | Cable | | Preamp Level | Limit Line | Over Limit | Over Line | Pol/Phase | Remark |
|------|-------------|-----------------|-------|--------|-----------------|---------------|---------------|--------------|-----------|--------|
| | Freq | Level Factor | Loss | Factor | | | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 1634.543 | 46.80 | 24.81 | 2.78 | 38.11 | 36.28 | 74.00 | -37.72 | VERTICAL | peak |
| 2 | 4430.628 | 45.63 | 33.87 | 4.61 | 37.45 | 46.66 | 74.00 | -27.34 | VERTICAL | peak |
| 3 | 4924.000 | 43.22 | 34.15 | 4.88 | 37.33 | 44.92 | 74.00 | -29.08 | VERTICAL | peak |
| 4 | 6954.852 | 44.66 | 35.04 | 5.86 | 37.14 | 48.42 | 74.00 | -25.58 | VERTICAL | peak |
| 5 | 7386.000 | 43.85 | 36.23 | 6.00 | 37.18 | 48.90 | 74.00 | -25.10 | VERTICAL | peak |
| 6 | 9848.000 | 39.28 | 38.88 | 7.15 | 37.10 | 48.21 | 74.00 | -25.79 | VERTICAL | peak |



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



| Freq | Read | Antenna | Cable | Preamp | Limit | Over | Over | Remark |
|------|----------|---------|-------|--------|-------|--------|--------|------------------------|
| | Level | Factor | Loss | Factor | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB |
| 1 | 1672.779 | 46.84 | 24.98 | 2.82 | 38.05 | 36.59 | 74.00 | -37.41 HORIZONTAL peak |
| 2 | 4279.589 | 45.72 | 32.82 | 4.57 | 37.47 | 45.64 | 74.00 | -28.36 HORIZONTAL peak |
| 3 | 4924.000 | 43.77 | 34.15 | 4.88 | 37.33 | 45.47 | 74.00 | -28.53 HORIZONTAL peak |
| 4 | 6795.879 | 45.56 | 34.69 | 5.79 | 37.13 | 48.91 | 74.00 | -25.09 HORIZONTAL peak |
| 5 | 7386.000 | 43.26 | 36.23 | 6.00 | 37.18 | 48.31 | 74.00 | -25.69 HORIZONTAL peak |
| 6 | 9848.000 | 39.71 | 38.88 | 7.15 | 37.10 | 48.64 | 74.00 | -25.36 HORIZONTAL peak |

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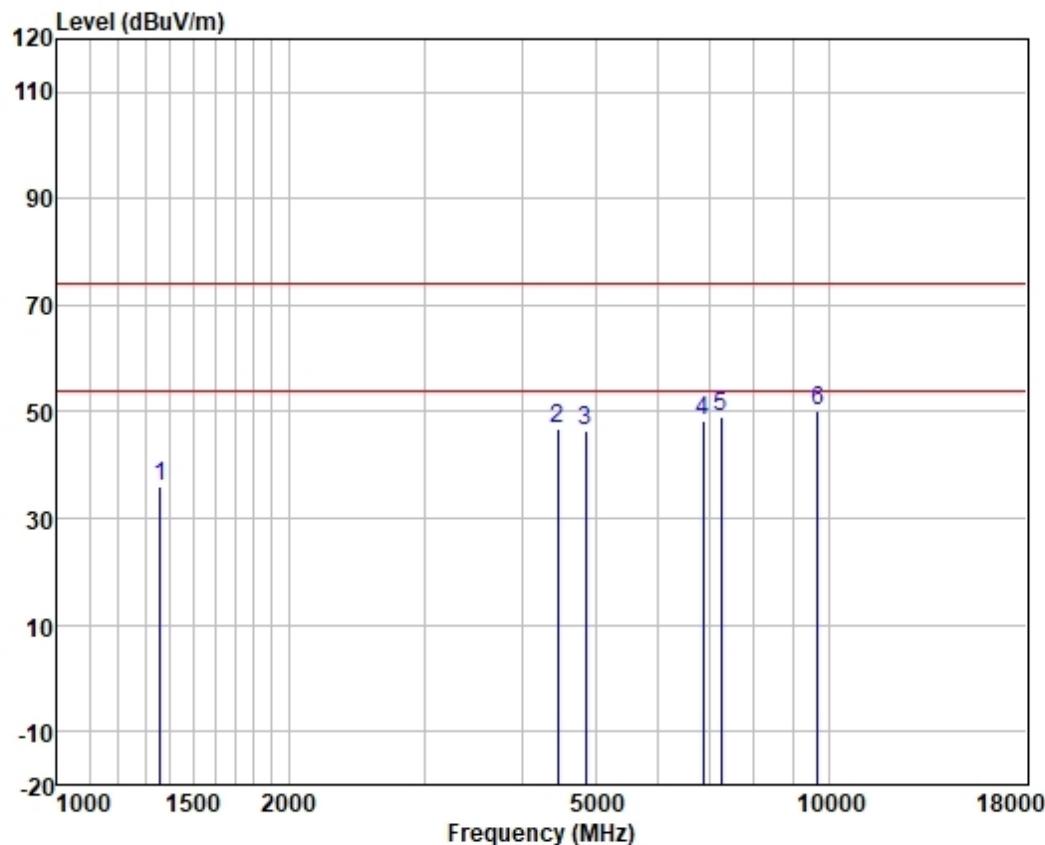
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



| Freq | ReadAntenna | | Cable | | Preamp Level | Limit Line | Over Limit | Over Line | Over Pol/Phase | Remark |
|------|-------------|-----------------|-------|--------|-----------------|---------------|---------------|--------------|-------------------|--------|
| | MHz | Level Factor | Loss | Factor | | | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 1358.498 | 47.65 | 24.16 | 2.63 | 38.53 | 35.91 | 74.00 | -38.09 | VERTICAL | peak |
| 2 | 4456.315 | 45.62 | 34.00 | 4.61 | 37.45 | 46.78 | 74.00 | -27.22 | VERTICAL | peak |
| 3 | 4844.000 | 44.76 | 34.15 | 4.84 | 37.37 | 46.38 | 74.00 | -27.62 | VERTICAL | peak |
| 4 | 6874.906 | 44.64 | 34.88 | 5.83 | 37.14 | 48.21 | 74.00 | -25.79 | VERTICAL | peak |
| 5 | 7266.000 | 44.47 | 35.86 | 5.96 | 37.17 | 49.12 | 74.00 | -24.88 | VERTICAL | peak |
| 6 | 9688.000 | 41.44 | 38.75 | 7.08 | 37.11 | 50.16 | 74.00 | -23.84 | VERTICAL | peak |

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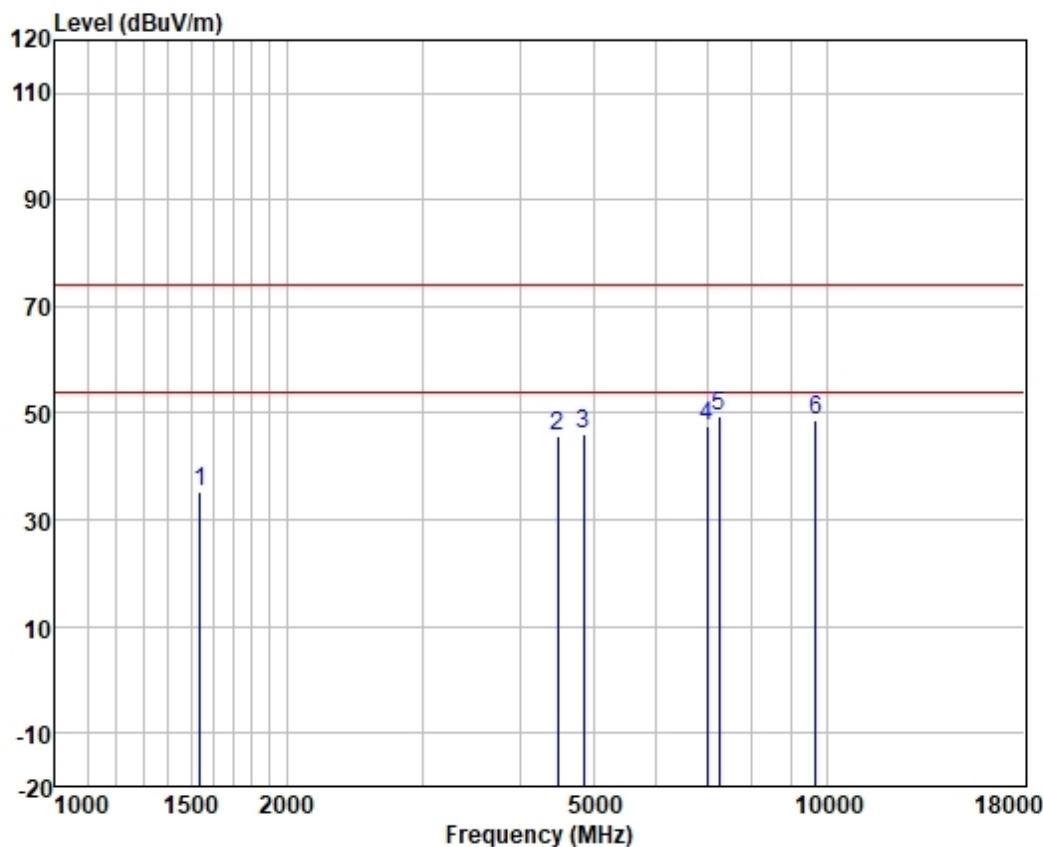
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Limit | Pol/Phase | Remark |
|------|-------------|--------|-------|--------|--------|--------|------------|------------|------------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 1542.733 | 46.37 | 24.53 | 2.72 | 38.23 | 35.39 | 74.00 | -38.61 | HORIZONTAL | peak |
| 2 | 4482.150 | 44.43 | 34.12 | 4.62 | 37.44 | 45.73 | 74.00 | -28.27 | HORIZONTAL | peak |
| 3 | 4844.000 | 44.44 | 34.15 | 4.84 | 37.37 | 46.06 | 74.00 | -27.94 | HORIZONTAL | peak |
| 4 | 6995.172 | 43.59 | 35.11 | 5.87 | 37.15 | 47.42 | 74.00 | -26.58 | HORIZONTAL | peak |
| 5 | 7266.000 | 44.77 | 35.86 | 5.96 | 37.17 | 49.42 | 74.00 | -24.58 | HORIZONTAL | peak |
| 6 | 9688.000 | 40.11 | 38.75 | 7.08 | 37.11 | 48.83 | 74.00 | -25.17 | HORIZONTAL | peak |

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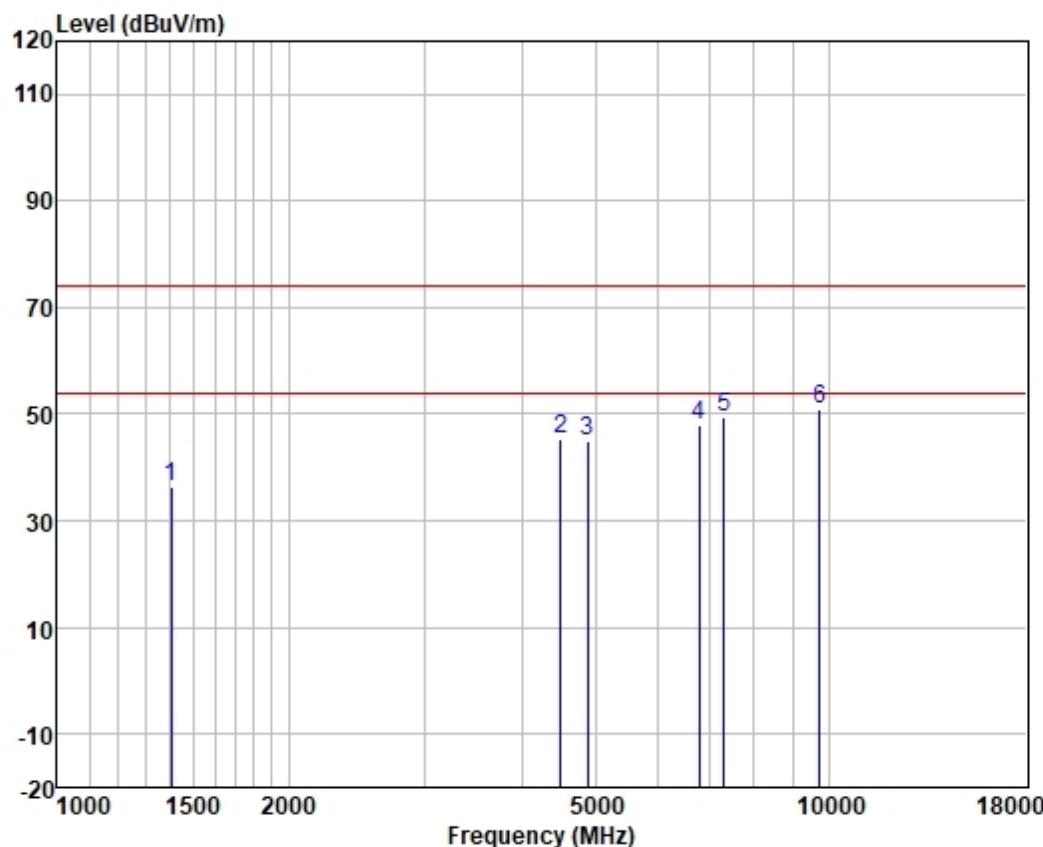
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Over | Remark |
|------|-------------|--------|-------|--------|--------|--------|--------|--------|----------|--------|
| | Level | Factor | Loss | Factor | Level | Line | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 1406.443 | 47.79 | 24.27 | 2.66 | 38.47 | 36.25 | 74.00 | -37.75 | VERTICAL | peak |
| 2 | 4495.125 | 44.02 | 34.17 | 4.62 | 37.44 | 45.37 | 74.00 | -28.63 | VERTICAL | peak |
| 3 | 4874.000 | 43.47 | 34.15 | 4.85 | 37.35 | 45.12 | 74.00 | -28.88 | VERTICAL | peak |
| 4 | 6795.879 | 44.76 | 34.69 | 5.79 | 37.13 | 48.11 | 74.00 | -25.89 | VERTICAL | peak |
| 5 | 7311.000 | 44.52 | 36.00 | 5.98 | 37.18 | 49.32 | 74.00 | -24.68 | VERTICAL | peak |
| 6 | 9748.000 | 42.29 | 38.81 | 7.11 | 37.11 | 51.10 | 74.00 | -22.90 | VERTICAL | peak |

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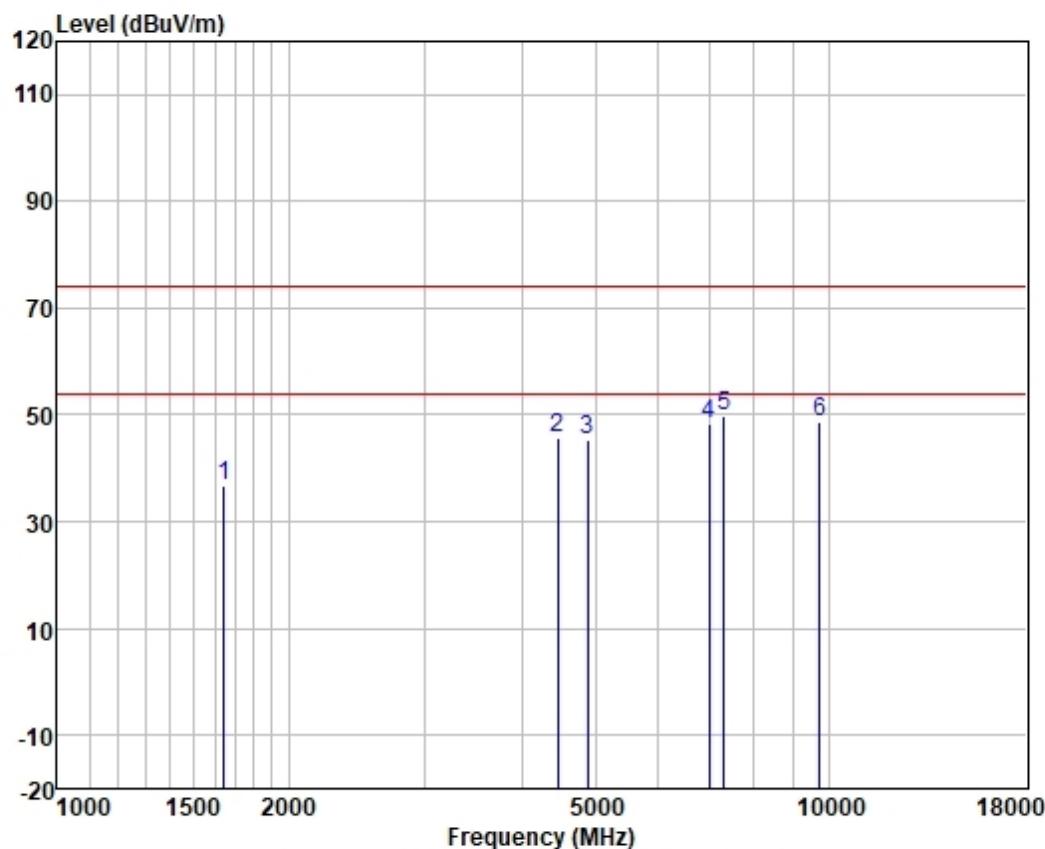
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



| Freq | ReadAntenna | | Cable | | Preamp Level | Limit Line | Over Limit | Over Line Pol/Phase | Remark |
|------|-------------|-------|-----------------|----------------|-----------------|---------------|---------------|---------------------------|-----------------|
| | MHz | dBuV | Level Factor | Loss Factor | | | | | |
| 1 | 1644.019 | 47.20 | 24.84 | 2.79 | 38.08 | 36.75 | 74.00 | -37.25 | HORIZONTAL peak |
| 2 | 4456.315 | 44.57 | 34.00 | 4.61 | 37.45 | 45.73 | 74.00 | -28.27 | HORIZONTAL peak |
| 3 | 4874.000 | 43.69 | 34.15 | 4.85 | 37.35 | 45.34 | 74.00 | -28.66 | HORIZONTAL peak |
| 4 | 6995.172 | 44.43 | 35.11 | 5.87 | 37.15 | 48.26 | 74.00 | -25.74 | HORIZONTAL peak |
| 5 | 7311.000 | 45.19 | 36.00 | 5.98 | 37.18 | 49.99 | 74.00 | -24.01 | HORIZONTAL peak |
| 6 | 9748.000 | 40.00 | 38.81 | 7.11 | 37.11 | 48.81 | 74.00 | -25.19 | HORIZONTAL peak |

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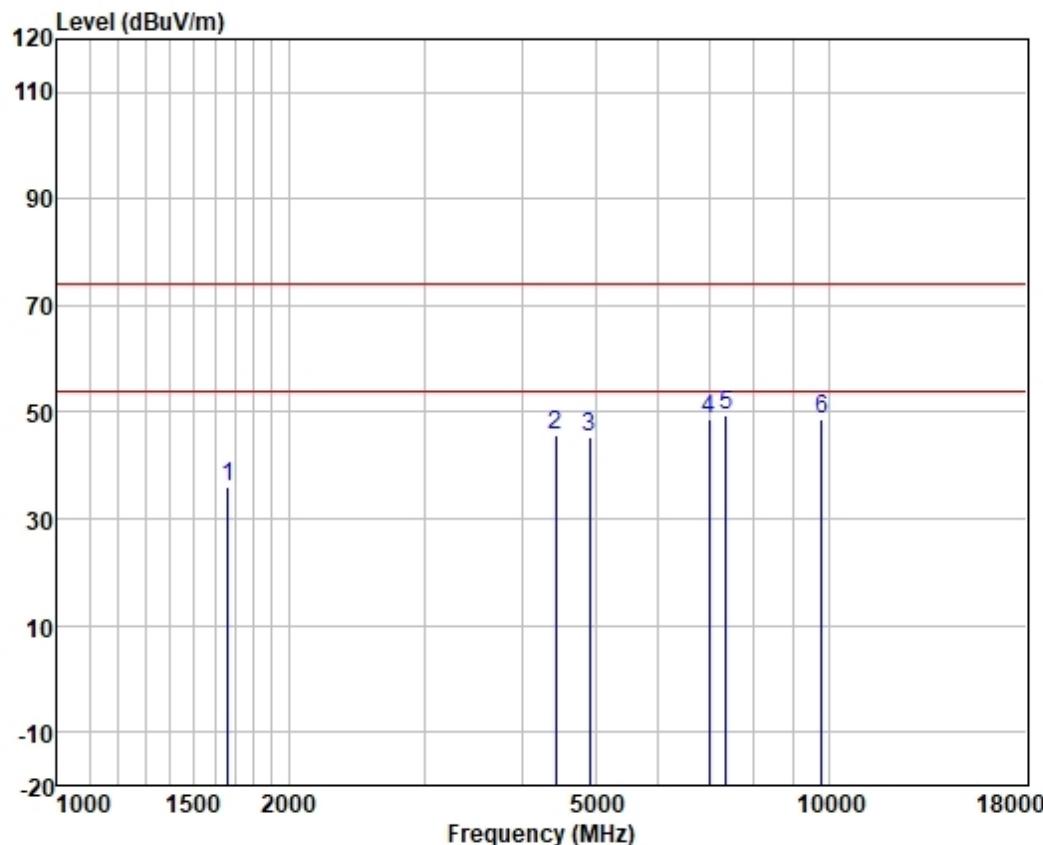
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Limit | Over Pol/Phase | Remark |
|------|-------------|-------|---------|------|--------|--------|------------|------------|----------------|--------|
| | Freq | Level | Antenna | Loss | Factor | Preamp | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 1663.137 | 46.17 | 24.93 | 2.81 | 38.06 | 35.85 | 74.00 | -38.15 | VERTICAL | peak |
| 2 | 4430.628 | 44.80 | 33.87 | 4.61 | 37.45 | 45.83 | 74.00 | -28.17 | VERTICAL | peak |
| 3 | 4904.000 | 43.68 | 34.15 | 4.86 | 37.34 | 45.35 | 74.00 | -28.65 | VERTICAL | peak |
| 4 | 6995.172 | 44.74 | 35.11 | 5.87 | 37.15 | 48.57 | 74.00 | -25.43 | VERTICAL | peak |
| 5 | 7356.000 | 44.53 | 36.12 | 5.99 | 37.18 | 49.46 | 74.00 | -24.54 | VERTICAL | peak |
| 6 | 9808.000 | 39.86 | 38.86 | 7.14 | 37.10 | 48.76 | 74.00 | -25.24 | VERTICAL | peak |

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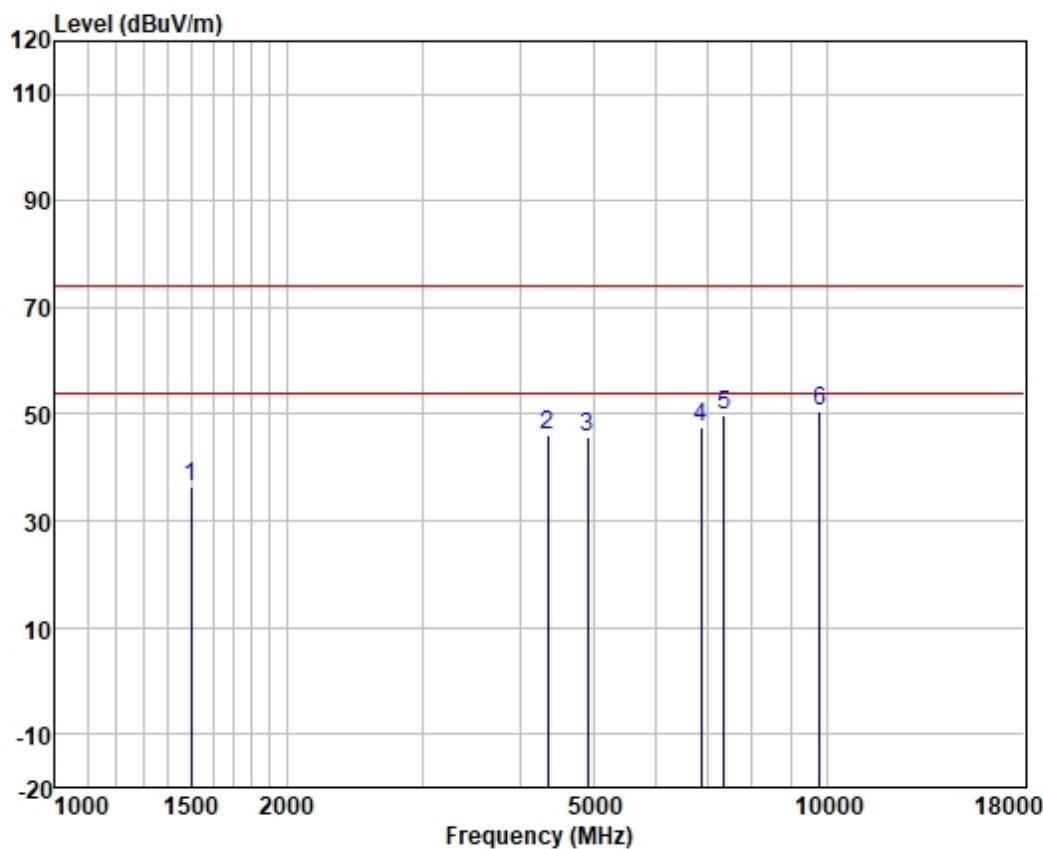
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



| Freq | Read Antenna | | Cable | | Preamp | Limit | Over | Over | Remark |
|------------|--------------|----------------|-------|--------|--------|--------|--------|------------|--------|
| | Level | Antenna Factor | Loss | Factor | | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 1498.781 | 47.59 | 24.43 | 2.70 | 38.33 | 36.39 | 74.00 | -37.61 | HORIZONTAL | peak |
| 2 4354.454 | 45.42 | 33.43 | 4.60 | 37.46 | 45.99 | 74.00 | -28.01 | HORIZONTAL | peak |
| 3 4904.000 | 44.14 | 34.15 | 4.86 | 37.34 | 45.81 | 74.00 | -28.19 | HORIZONTAL | peak |
| 4 6874.906 | 44.07 | 34.88 | 5.83 | 37.14 | 47.64 | 74.00 | -26.36 | HORIZONTAL | peak |
| 5 7356.000 | 44.99 | 36.12 | 5.99 | 37.18 | 49.92 | 74.00 | -24.08 | HORIZONTAL | peak |
| 6 9808.000 | 41.56 | 38.86 | 7.14 | 37.10 | 50.46 | 74.00 | -23.54 | HORIZONTAL | peak |

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7.4 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)

Test Method: ANSI C63.10 (2013) Section 11.9.2

Limit:

| Frequency range(MHz) | Output power of the intentional radiator(watt) |
|----------------------|--|
| 902-928 | 1 for ≥ 50 hopping channels |
| | 0.25 for $25 \leq$ hopping channels < 50 |
| | 1 for digital modulation |
| 2400-2483.5 | 1 for ≥ 75 non-overlapping hopping channels |
| | 0.125 for all other frequency hopping systems |
| | 1 for digital modulation |
| 5725-5850 | 1 for frequency hopping systems and digital modulation |

7.4.1 Conclusion

The test data were copied from the original modular report XEWM2304000191RG03(FCC ID: XMR2023FC06E) and evaluated by new limit because of the new direction gain.



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| Mode | TX Type | Frequency (MHz) | Maximum Peak Conducted Output Power (dBm) | | | | Verdict |
|------------------|---------|-----------------|---|-------|-------|---------|---------|
| | | | ANT1 | ANT2 | MIMO | Limit | |
| 802.11b | SISO | 2412 | 23.89 | 23.33 | / | <=30 | Pass |
| | | 2437 | 26.63 | 23.93 | / | <=30 | Pass |
| | | 2462 | 23.45 | 24.73 | / | <=30 | Pass |
| 802.11g | SISO | 2412 | 25.16 | 25.18 | / | <=30 | Pass |
| | | 2437 | 25.17 | 25.16 | / | <=30 | Pass |
| | | 2462 | 25.15 | 25.18 | / | <=30 | Pass |
| 802.11n (HT20) | MIMO | 2412 | 25.13 | 25.16 | 28.16 | <=28.99 | Pass |
| | | 2437 | 25.13 | 25.14 | 28.14 | <=28.99 | Pass |
| | | 2462 | 25.16 | 25.19 | 28.19 | <=28.99 | Pass |
| 802.11n (HT40) | MIMO | 2422 | 24.92 | 24.93 | 27.93 | <=28.99 | Pass |
| | | 2437 | 24.91 | 25.04 | 27.99 | <=28.99 | Pass |
| | | 2452 | 24.93 | 24.91 | 27.93 | <=28.99 | Pass |
| 802.11ax (HEW20) | MIMO | 2412 | 25.12 | 25.12 | 28.12 | <=28.99 | Pass |
| | | 2437 | 25.16 | 25.23 | 28.21 | <=28.99 | Pass |
| | | 2462 | 25.12 | 25.13 | 28.13 | <=28.99 | Pass |
| 802.11ax (HEW40) | MIMO | 2422 | 24.72 | 24.81 | 27.78 | <=28.99 | Pass |
| | | 2437 | 24.85 | 24.89 | 27.88 | <=28.99 | Pass |
| | | 2452 | 24.82 | 24.79 | 27.82 | <=28.99 | Pass |

Note1: Antenna Gain: Ant1: 4.00dBi; Ant2: 4.00dBi;

Note2: Directional Gain: 7.01dBi



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR241000116101



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9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for GZCR2410001161AT

- End of the Report -



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