



## SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD

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Report Template Version: V06

Report Template Revision Date: 2026-01-30

# TEST REPORT

**Report No.:** CQASZ20260300485E-02  
**Applicant:** Shenzhen guard dragon Electronics Co., LTD  
**Address of Applicant:** Room 302, No. 437, Hengkeng Hedong Village, Guancheng Community, Guanlan Street, Longhua District, Shenzhen China  
**Equipment Under Test (EUT):**  
**Product:** Car player  
**Model No.:** F9101W, JP01, TY01, TY02, FD01-B, FD01-S, F9090W, F9210W, OB01-B, OB01-G, OB01-S, F9095W, F9093W, FD02-B, FD02-S, F9074W, LN01-F  
**Test Model No.:** F9101W  
**Brand Name:** BQCC  
**FCC ID:** 2A4S3-9101W  
**Standards:** 47 CFR Part 15, Subpart C  
KDB558074 D01 15.247 Meas Guidance v05r02  
ANSI C63.10:2020  
**Date of Receipt:** 2026-03-12  
**Date of Test:** 2026-03-12 to 2026-04-22  
**Date of Issue:** 2026-06-25  
**Test Result :** **PASS\***

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

**Tested By:** Lewis Zhou  
( Lewis Zhou )

**Reviewed By:** Timo Lei  
( Timo Lei )

**Approved By:** Jack Ai  
( Jack Ai )



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

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## 1 Version

### Revision History Of Report

| Report No.           | Version | Description    | Issue Date |
|----------------------|---------|----------------|------------|
| CQASZ20260300485E-02 | Rev.01  | Initial report | 2026-06-25 |

## 2 Test Summary

| Test Item                                                               | Test Requirement          | Test method                                                                       | Result |
|-------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------|--------|
| Antenna Requirement                                                     | 47 CFR Part 15.203        | N/A                                                                               | PASS   |
| AC Power Line<br>Conducted<br>Emission                                  | 47 CFR Part 15.207        | ANSI C63.10-<br>2020+Cor. 1-<br>2023+C63.10a-2024 +<br>Errata to C63.10a-<br>2024 | N/A    |
| Conducted Peak &<br>Average Output Power                                | 47 CFR Part 15.247        | ANSI C63.10-<br>2020+Cor. 1-<br>2023+C63.10a-2024 +<br>Errata to C63.10a-<br>2024 | PASS   |
| 6dB Occupied<br>Bandwidth                                               | 47 CFR Part 15.247        | ANSI C63.10-<br>2020+Cor. 1-<br>2023+C63.10a-2024 +<br>Errata to C63.10a-<br>2024 | PASS   |
| Power Spectral Density                                                  | 47 CFR Part 15.247        | ANSI C63.10-<br>2020+Cor. 1-<br>2023+C63.10a-2024 +<br>Errata to C63.10a-<br>2024 | PASS   |
| Band-edge for RF<br>Conducted Emissions                                 | 47 CFR Part 15.247        | ANSI C63.10-<br>2020+Cor. 1-<br>2023+C63.10a-2024 +<br>Errata to C63.10a-<br>2024 | PASS   |
| RF Conducted Spurious<br>Emissions                                      | 47 CFR Part 15.247        | ANSI C63.10-<br>2020+Cor. 1-<br>2023+C63.10a-2024 +<br>Errata to C63.10a-<br>2024 | PASS   |
| Radiated Spurious<br>Emissions                                          | 47 CFR Part 15.209        | ANSI C63.10-<br>2020+Cor. 1-<br>2023+C63.10a-2024 +<br>Errata to C63.10a-<br>2024 | PASS   |
| Restricted bands around<br>fundamental frequency<br>(Radiated Emission) | 47 CFR Part 15.205/15.209 | ANSI C63.10-<br>2020+Cor. 1-<br>2023+C63.10a-2024 +<br>Errata to C63.10a-<br>2024 | PASS   |

Remark:

The tested sample(s) and the sample information are provided by the client.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

CH: In this whole report CH means channel.

Volt: In this whole report Volt means Voltage.

Temp: In this whole report Temp means Temperature.

Humid: In this whole report Humid means humidity.

Press: In this whole report Press means Pressure.

N/A: In this whole report not application

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## 4 General Information

### 4.1 Client Information

|                          |                                                                                                                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------|
| Applicant:               | Shenzhen guard dragon Electronics Co., LTD                                                                        |
| Address of Applicant:    | Room 302, No. 437, Hengkeng Hedong Village, Guancheng Community, Guanlan Street, Longhua District, Shenzhen China |
| Manufacturer:            | Shenzhen guard dragon Electronics Co., LTD                                                                        |
| Address of Manufacturer: | Room 302, No. 437, Hengkeng Hedong Village, Guancheng Community, Guanlan Street, Longhua District, Shenzhen China |
| Factory:                 | Shenzhen guard dragon Electronics Co., LTD                                                                        |
| Address of Factory:      | Room 302, No. 437, Hengkeng Hedong Village, Guancheng Community, Guanlan Street, Longhua District, Shenzhen China |

### 4.2 General Description of EUT

|                                  |                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:                    | Car player                                                                                                                                                   |
| Model No.:                       | F9101W, JP01, TY01, TY02, FD01-B, FD01-S, F9090W, F9210W, OB01-B, OB01-G, OB01-S, F9095W, F9093W, FD02-B, FD02-S, F9074W, LN01-F                             |
| Test Model No.:                  | F9101W                                                                                                                                                       |
| Trade Mark:                      | BQCC                                                                                                                                                         |
| Software Version:                | V1.0                                                                                                                                                         |
| Hardware Version:                | V1.0                                                                                                                                                         |
| Power Supply:                    | Power supply DC12-24V                                                                                                                                        |
| EUT Supports Radios application: | 2.4GHz: Wi-Fi: 802.11b/g/n(HT20): 2412MHz~2462MHz;<br>802.11n(HT40): 2422MHz~2452MHz                                                                         |
| Simultaneous Transmission        | <input checked="" type="checkbox"/> Simultaneous TX is supported and evaluated in this report.<br><input type="checkbox"/> Simultaneous TX is not supported. |

### 4.3 Product Specification subjective to this standard

|                      |                                                                                                                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation Frequency: | IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz<br>IEEE 802.11n(HT40): 2422MHz to 2452MHz                                                                                                                                                                   |
| Channel Numbers:     | IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels<br>IEEE 802.11n HT40: 7 Channels                                                                                                                                                                        |
| Channel Separation:  | 5MHz                                                                                                                                                                                                                                                   |
| Type of Modulation:  | IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK)<br>IEEE for 802.11g : OFDM(64QAM, 16QAM, QPSK, BPSK)<br>IEEE for 802.11n(HT20 and HT40) : OFDM (64QAM, 16QAM, QPSK, BPSK)                                                                                      |
| Transfer Rate:       | IEEE for 802.11b:<br>1Mbps/2Mbps/5.5Mbps/11Mbps<br>IEEE for 802.11g :<br>6Mbps/9Mbps/12Mbps/18Mbps/24Mbps/36Mbps/48Mbps/54Mbps<br>IEEE for 802.11n(HT20) :<br>6.5Mbps/13Mbps/19.5Mbps/26Mbps/39Mbps/52Mbps/58.5Mbps/65Mbps<br>IEEE for 802.11n(HT40) : |

|                       |                                                                                                                    |
|-----------------------|--------------------------------------------------------------------------------------------------------------------|
|                       | 13.5Mbps/27Mbps/40.5Mbps/54Mbps/81Mbps/108Mbps/121.5Mbps/135Mbps                                                   |
| Product Type:         | <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> Portable <input type="checkbox"/> Fix Location |
| Test Software of EUT: | serial                                                                                                             |
| Antenna Type:         | PCB antenna                                                                                                        |
| Antenna Gain:         | 3.29dBi                                                                                                            |

| Operation Frequency each of channel(802.11b/g/n HT20) |           |         |           |         |           |         |           |
|-------------------------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                                               | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1                                                     | 2412MHz   | 4       | 2427MHz   | 7       | 2442MHz   | 10      | 2457MHz   |
| 2                                                     | 2417MHz   | 5       | 2432MHz   | 8       | 2447MHz   | 11      | 2462MHz   |
| 3                                                     | 2422MHz   | 6       | 2437MHz   | 9       | 2452MHz   |         |           |
| Operation Frequency each of channel(802.11n HT40)     |           |         |           |         |           |         |           |
| Channel                                               | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 3                                                     | 2422MHz   | 6       | 2437MHz   | 9       | 2452MHz   |         |           |
| 4                                                     | 2427MHz   | 7       | 2442MHz   |         |           |         |           |
| 5                                                     | 2432MHz   | 8       | 2447MHz   |         |           |         |           |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11b/g/n (HT20):

| Channel             | Frequency |
|---------------------|-----------|
| The Lowest channel  | 2412MHz   |
| The Middle channel  | 2437MHz   |
| The Highest channel | 2462MHz   |

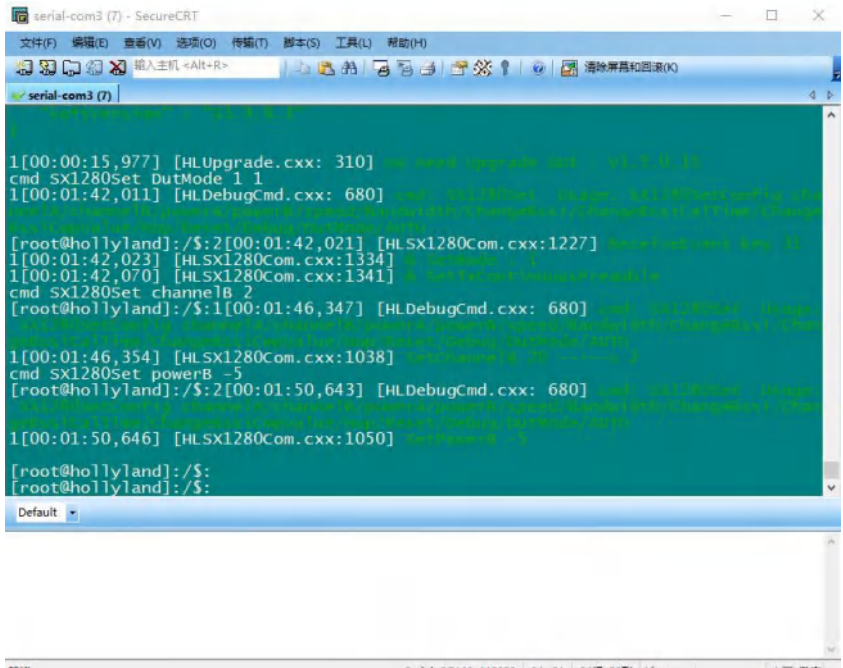
For 802.11n (HT40):

| Channel             | Frequency |
|---------------------|-----------|
| The Lowest channel  | 2422MHz   |
| The Middle channel  | 2437MHz   |
| The Highest channel | 2452MHz   |

Note:

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

## 4.4 Test Environment and Mode

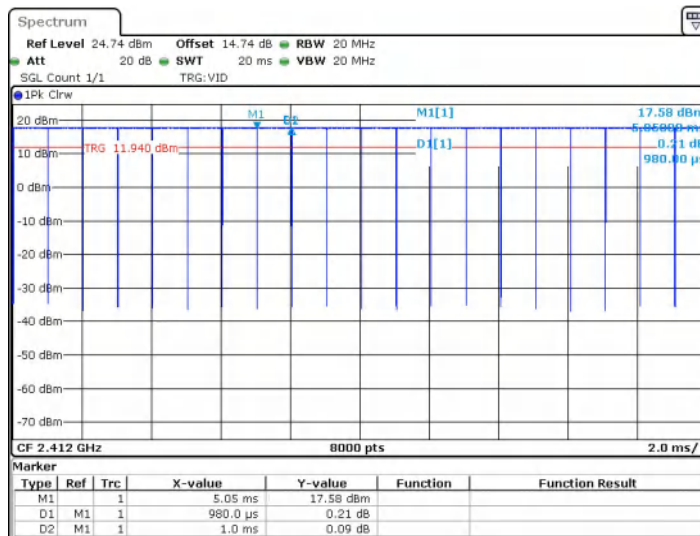
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Operating Environment:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                             |
| <b>Radiated Emissions:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                             |
| Temperature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25.3 °C                                                                                     |
| Humidity:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 55 % RH                                                                                     |
| Atmospheric Pressure:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1009 mbar                                                                                   |
| <b>Conducted Emissions:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                             |
| Temperature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25.6 °C                                                                                     |
| Humidity:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 60 % RH                                                                                     |
| Atmospheric Pressure:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1009 mbar                                                                                   |
| <b>Radio conducted item test (RF Conducted test room):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                             |
| Temperature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25.5 °C                                                                                     |
| Humidity:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 52 % RH                                                                                     |
| Atmospheric Pressure:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1009 mbar                                                                                   |
| <b>Test mode:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                             |
| Transmitting mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | EUT is set in RF test mode in all supported modulation types, bandwidth and data rate, etc. |
| EUT Power level:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Class0                                                                                      |
| <b>Run Software:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                             |
|  <pre> 1[00:00:15,977] [HLUpgrade.cxx: 310] cmd SX1280Set DutMode 1 1 1[00:01:42,011] [HLDebugCmd.cxx: 680] cmd SX1280Set channelB 2 [root@hollyland]:/\$:2[00:01:42,021] [HLSX1280Com.cxx:1227] Response: 0x00 1[00:01:42,023] [HLSX1280Com.cxx:1334] cmd SX1280Set powerB -5 1[00:01:42,070] [HLSX1280Com.cxx:1341] cmd SX1280Set powerB -5 cmd SX1280Set channelB 2 [root@hollyland]:/\$:1[00:01:46,347] [HLDebugCmd.cxx: 680] cmd SX1280Set powerB -5 1[00:01:46,354] [HLSX1280Com.cxx:1038] Response: 0x00 cmd SX1280Set powerB -5 [root@hollyland]:/\$:2[00:01:50,643] [HLDebugCmd.cxx: 680] cmd SX1280Set powerB -5 1[00:01:50,646] [HLSX1280Com.cxx:1050] Response: 0x00 [root@hollyland]:/\$: [root@hollyland]:/\$: </pre> |                                                                                             |

| Operated Mode for Worst Duty Cycle: |                          |                           |                  |                               |
|-------------------------------------|--------------------------|---------------------------|------------------|-------------------------------|
| Test Mode                           | On time<br>[Ton]<br>(ms) | Period<br>[Ttotal]<br>ms) | Duty<br>Cycle(%) | Average correction factor(dB) |
| IEEE802.11b                         | 0.98                     | 1.00                      | 98.00            | 0.09                          |
| IEEE802.11g                         | 0.69                     | 0.70                      | 98.57            | 0.06                          |
| IEEE802.11n (HT20)                  | 0.65                     | 0.66                      | 98.48            | 0.07                          |
| IEEE802.11n (HT40)                  | 0.33                     | 0.34                      | 97.06            | 0.13                          |

**Remark:**

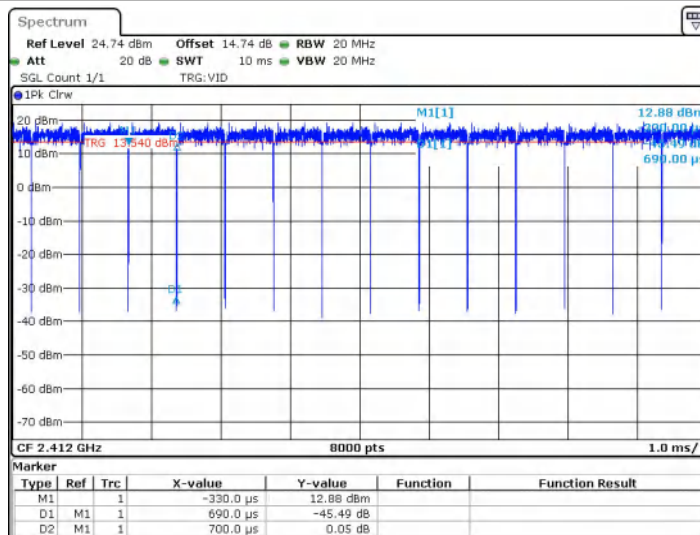
- 1) Duty cycle= On Time/ Period;
- 2) Duty Cycle factor =  $10 * \log(1/ \text{Duty cycle})$ ;

Test Graph\_IEEE802.11b Duty Cycle:



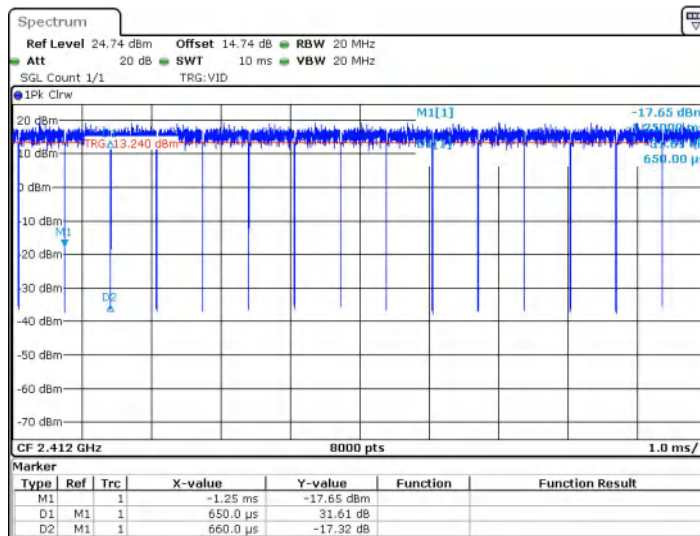
Date: 19.MAR.2026 10:08:52

Test Graph\_IEEE802.11g Duty Cycle:



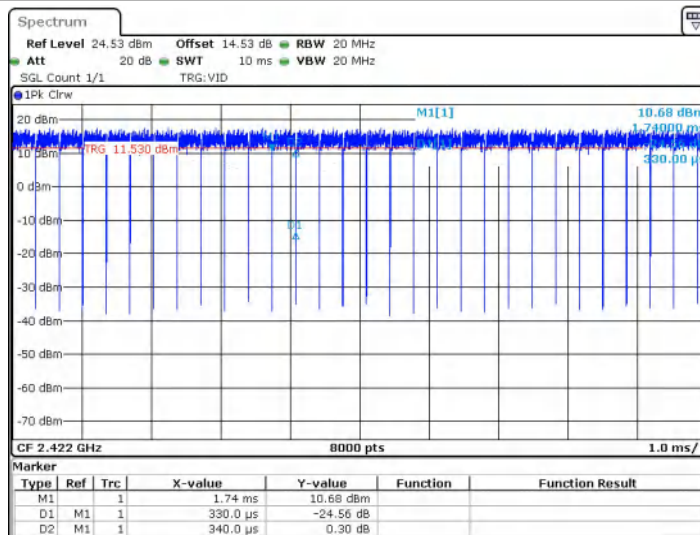
Date: 19.MAR.2026 10:15:03

Test Graph\_IEEE802.11 n (HT20) Duty Cycle:



Date: 19 MAR 2026 10:20:18

Test Graph\_IEEE802.11 n (HT40) Duty Cycle:



Date: 19 MAR 2026 10:38:37

## 4.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

| Description | Manufacturer | Model No. | Certification | Supplied by |
|-------------|--------------|-----------|---------------|-------------|
| /           | /            | /         | /             | /           |

2) Cable

| Cable No. | Description | Manufacturer | Cable Type/Length | Supplied by |
|-----------|-------------|--------------|-------------------|-------------|
| /         | /           | /            | /                 | /           |

## 4.6 Test Location

All tests were performed at:

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD 102A, 102B, Building 2, Shanghenglang New Industrial Zone, Shanghenglang Community, Dalang Street, Longhua District, Shenzhen, Guangdong, People's Republic of China, 518000

## 4.7 Test Facility

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

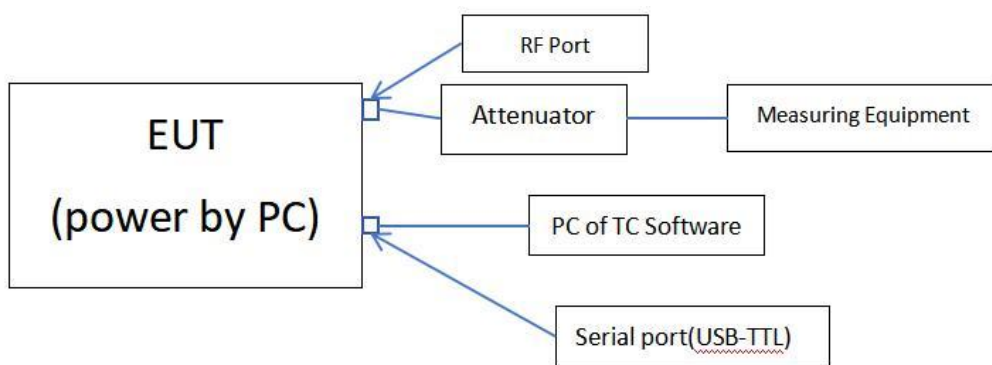
• **A2LA (Certificate No. 4742.01)**

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD, Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

• **FCC Registration No.: 522263**

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD, Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

## 4.8 Test configuration



## 4.9 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the **SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CQA laboratory is reported:

| No. | Item                               | Uncertainty        | Notes |
|-----|------------------------------------|--------------------|-------|
| 1   | Radiated Emission (Below 1GHz)     | 5.12dB             | (1)   |
| 2   | Radiated Emission (Above 1GHz)     | 4.60dB             | (1)   |
| 3   | Conducted Disturbance (0.15~30MHz) | 3.34dB             | (1)   |
| 4   | Radio Frequency                    | $3 \times 10^{-8}$ | (1)   |
| 5   | Duty cycle                         | 0.6 %.             | (1)   |
| 6   | Occupied Bandwidth                 | 1.1%               | (1)   |
| 7   | RF conducted power                 | 0.86dB             | (1)   |
| 8   | RF power density                   | 0.74               | (1)   |
| 9   | Conducted Spurious emissions       | 0.86dB             | (1)   |
| 10  | Temperature test                   | 0.8℃               | (1)   |
| 11  | Humidity test                      | 2.0%               | (1)   |
| 12  | Supply voltages                    | 0.5 %.             | (1)   |
| 13  | Frequency Error                    | 5.5 Hz             | (1)   |

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

## 4.10 Deviation from Standards

None.

## 4.11 Abnormalities from Standard Conditions

None.

## 4.12 Other Information Requested by the Customer

None.

#### 4.13 Equipment List

| Test Equipment             | Manufacturer | Model No.              | Instrument No. | Calibration Date | Calibration Due Date |
|----------------------------|--------------|------------------------|----------------|------------------|----------------------|
| EMI Test Receiver          | R&S          | ESR7                   | CQA-005        | 2025/9/1         | 2026/8/31            |
| Spectrum analyzer          | R&S          | FSU26                  | CQA-038        | 2025/9/1         | 2026/8/31            |
| Spectrum analyzer          | R&S          | FSU40                  | CQA-075        | 2025/9/1         | 2026/8/31            |
| Preamplifier               | MITEQ        | AFS4-00010300-18-10P-4 | CQA-035        | 2025/9/1         | 2026/8/31            |
| Preamplifier               | MITEQ        | AMF-6D-02001800-29-20P | CQA-036        | 2025/9/1         | 2026/8/31            |
| Preamplifier               | EMCI         | EMC184055SE            | CQA-089        | 2025/9/1         | 2026/8/31            |
| Loop antenna               | Schwarzbeck  | FMZB1516               | CQA-060        | 2023/9/8         | 2026/9/7             |
| Bilog Antenna              | R&S          | HL562                  | CQA-011        | 2023/11/01       | 2026/10/31           |
| Horn Antenna               | R&S          | HF906                  | CQA-012        | 2023/11/01       | 2026/10/31           |
| Horn Antenna               | Schwarzbeck  | BBHA 9170              | CQA-088        | 2023/9/7         | 2026/9/6             |
| Coaxial Cable (Above 1GHz) | CQA          | N/A                    | C007           | 2025/9/1         | 2026/8/31            |
| Coaxial Cable (Below 1GHz) | CQA          | N/A                    | C013           | 2025/9/1         | 2026/8/31            |
| Antenna Connector          | CQA          | RFC-01                 | CQA-080        | 2025/9/1         | 2026/8/31            |
| RF cable(9KHz~40GHz)       | CQA          | RF-01                  | CQA-079        | 2025/9/1         | 2026/8/31            |
| Power meter                | R&S          | NRVD                   | CQA-029        | 2025/9/1         | 2026/8/31            |
| Power divider              | MIDWEST      | PWD-2533-02-SMA-79     | CQA-067        | 2025/9/1         | 2026/8/31            |
| EMI Test Receiver          | R&S          | ESR7                   | CQA-005        | 2025/9/1         | 2026/8/31            |
| LISN                       | R&S          | ENV216                 | CQA-003        | 2025/9/1         | 2026/8/31            |
| Coaxial cable              | CQA          | N/A                    | CQA-C009       | 2025/9/1         | 2026/8/31            |
| DC power                   | KEYSIGHT     | E3631A                 | CQA-028        | 2025/9/1         | 2026/8/31            |

Test software:

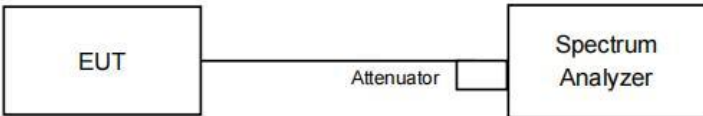
|                                   | Manufacturer | Software brand | Software version |
|-----------------------------------|--------------|----------------|------------------|
| Radiated Emissions test software  | Tonscend     | JS1120-3       | Version:8        |
| Conducted Emissions test software | Audix        | e3             | Version:9        |
| RF Conducted test software        | Audix        | e3             | V3.5.39          |

## 5 Test results and Measurement Data

### 5.1 Antenna Requirement

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 47 CFR Part 15C Section 15.203 /247(c)                                             |
| <p>15.203 requirement:<br/>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.</p> <p>15.247(b) (4) requirement:<br/>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.</p> |                                                                                    |
| <b>EUT Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| <p>The antenna is PCB antenna.</p> <p>The connection/connection type between the antenna to the EUT's antenna port is: permanently attachment.</p> <p>This is either permanently attachment or a unique coupling that satisfies the requirement.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                    |

## 5.2 Conducted Peak & Average Output Power

|                        |                                                                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (b)(3)                                                                                                                                                                                                                                                     |
| Test Method:           | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024                                                                                                                                                                                                                        |
| Test Setup:            | <p><i>Setup for Power meter measurement method</i></p>  <p><i>Setup for Spectrum analyser measurement method</i></p>  |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                     |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                                                                                                                                                                            |
| Limit:                 | 30dBm                                                                                                                                                                                                                                                                                     |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                      |

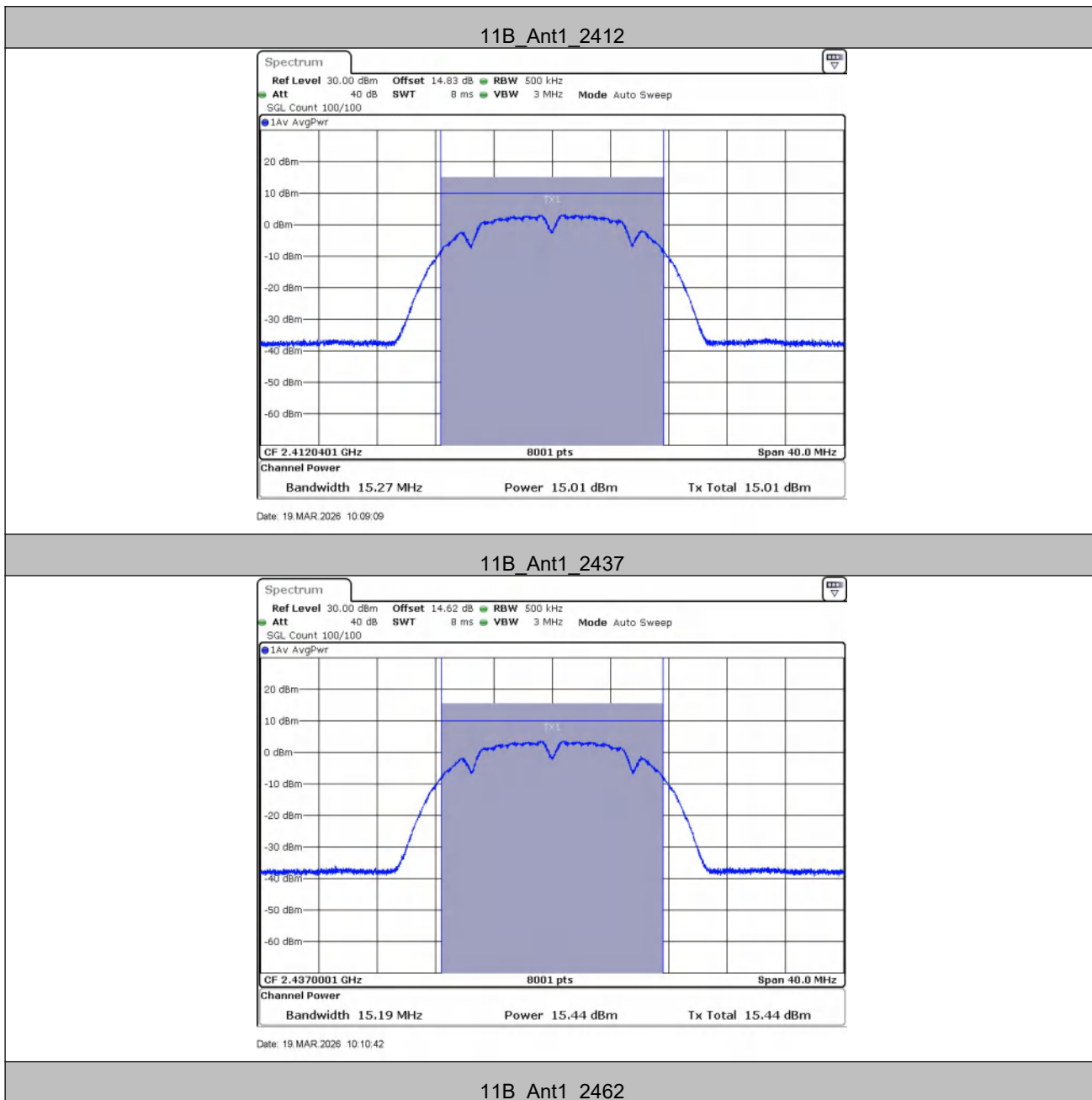
## Test Result

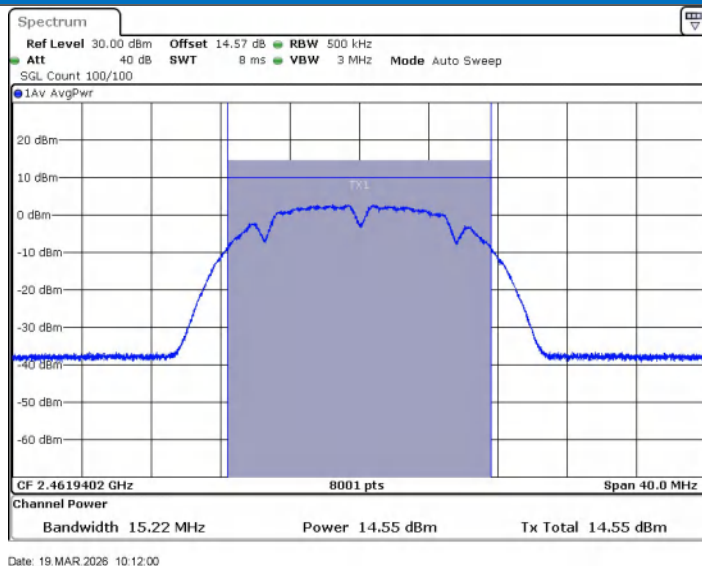
| Test Mode | Frequency[MHz] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|----------------|--------------|-------------|---------|
| 11B       | 2412           | 15.01        | ≤30.00      | PASS    |
|           | 2437           | 15.44        | ≤30.00      | PASS    |
|           | 2462           | 14.55        | ≤30.00      | PASS    |
| 11G       | 2412           | 9.96         | ≤30.00      | PASS    |
|           | 2437           | 10.27        | ≤30.00      | PASS    |
|           | 2462           | 9.29         | ≤30.00      | PASS    |
| 11N20SISO | 2412           | 9.74         | ≤30.00      | PASS    |
|           | 2437           | 9.94         | ≤30.00      | PASS    |
|           | 2462           | 9.11         | ≤30.00      | PASS    |
| 11N40SISO | 2422           | 8.56         | ≤30.00      | PASS    |
|           | 2437           | 8.54         | ≤30.00      | PASS    |
|           | 2452           | 7.94         | ≤30.00      | PASS    |

Note: Duty cycle correction factor details please see section 4.4.

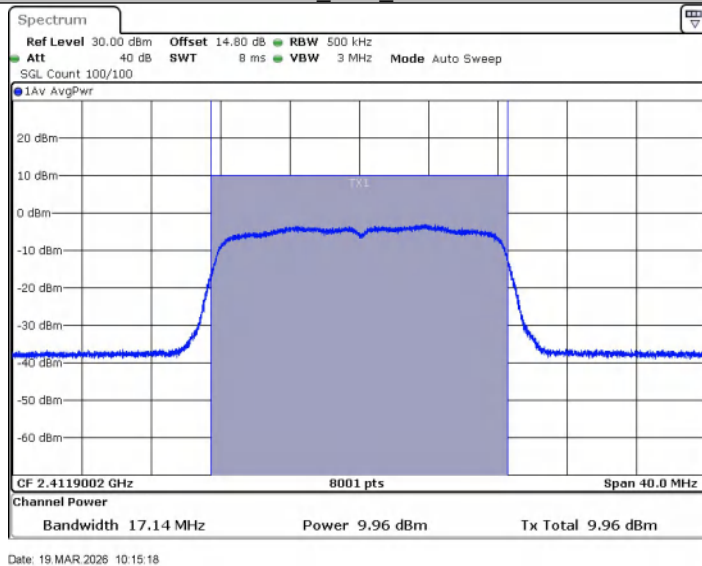
When Duty cycle >98%, D.C.F is not required.

## Test Graphs

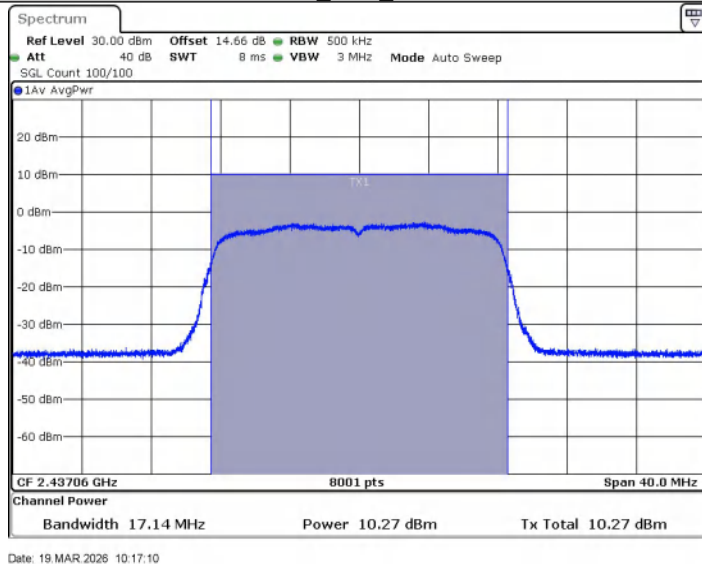




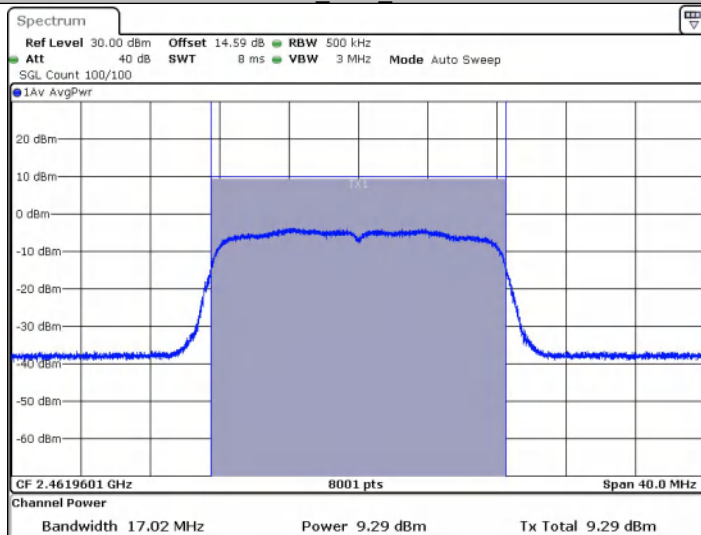
11G\_Ant1\_2412



11G\_Ant1\_2437

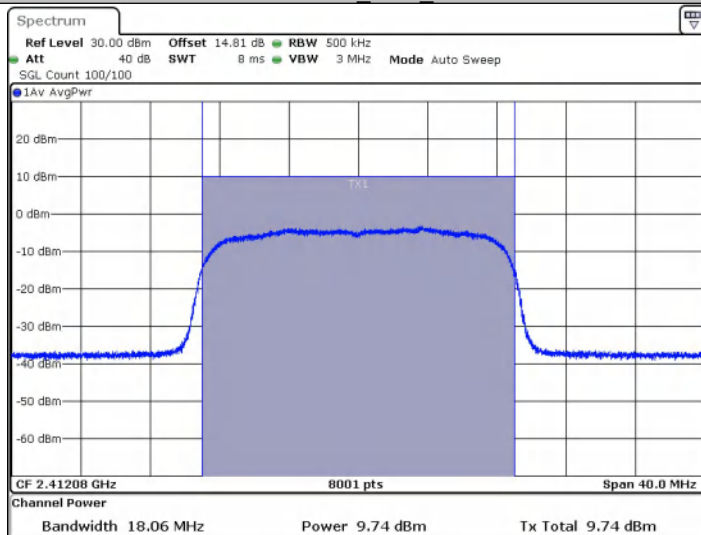


11G\_Ant1\_2462



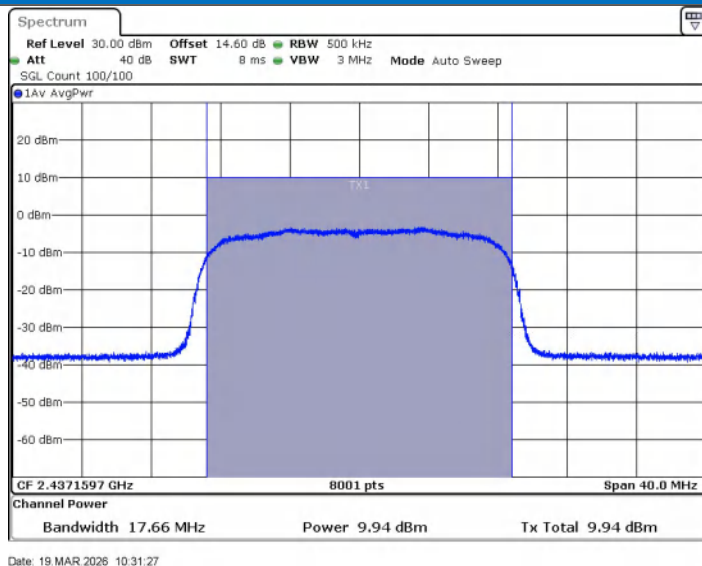
Date: 19 MAR 2026 10:18:40

11N20SISO\_Ant1\_2412

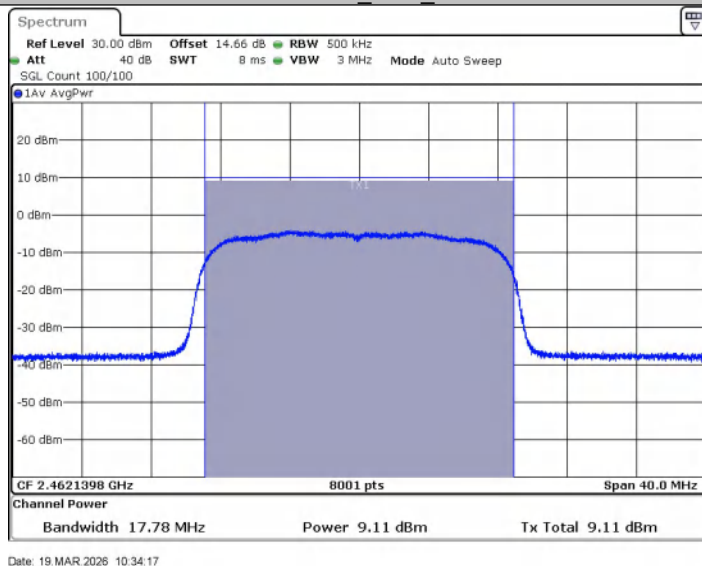


Date: 19 MAR 2026 10:20:34

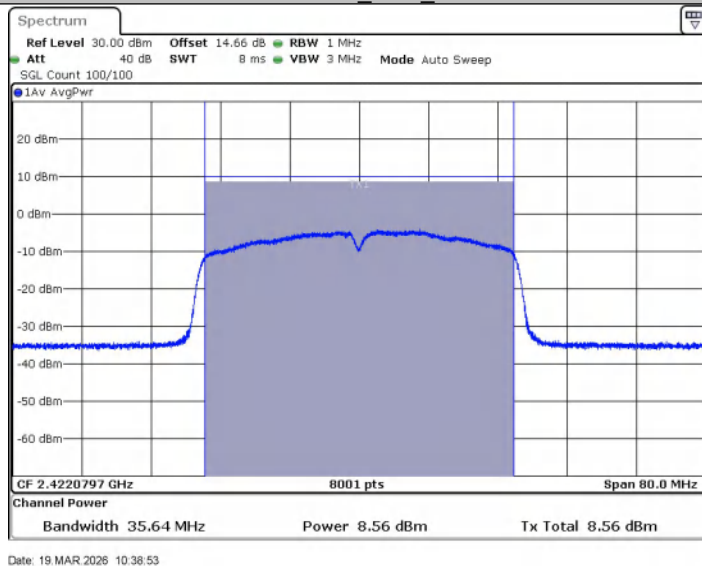
11N20SISO\_Ant1\_2437



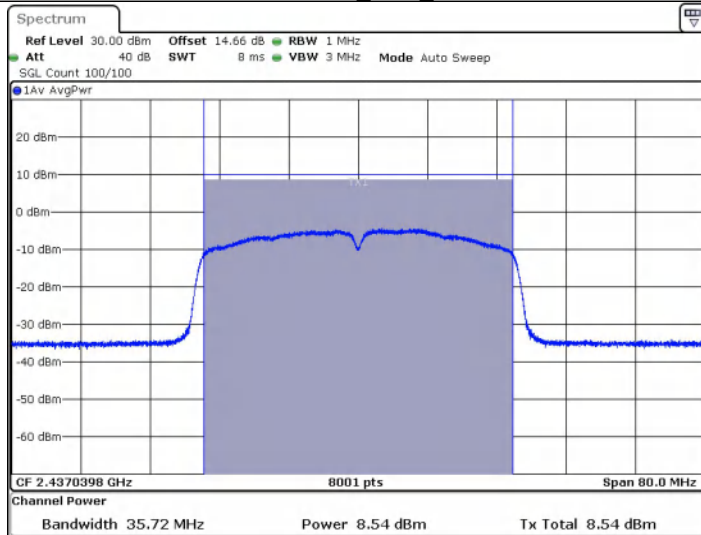
11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422

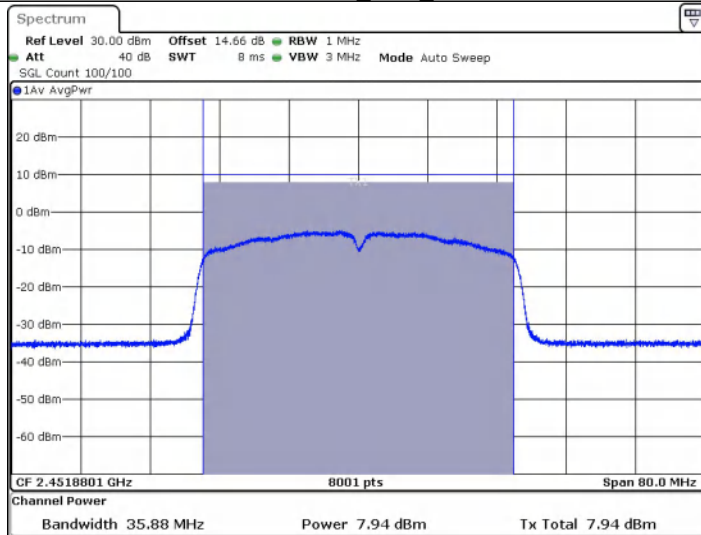


11N40SISO\_Ant1\_2437



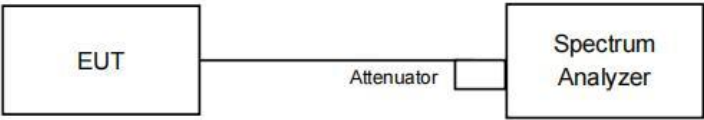
Date: 19 MAR 2026 10:41:15

11N40SISO\_Ant1\_2452



Date: 19 MAR 2026 10:45:29

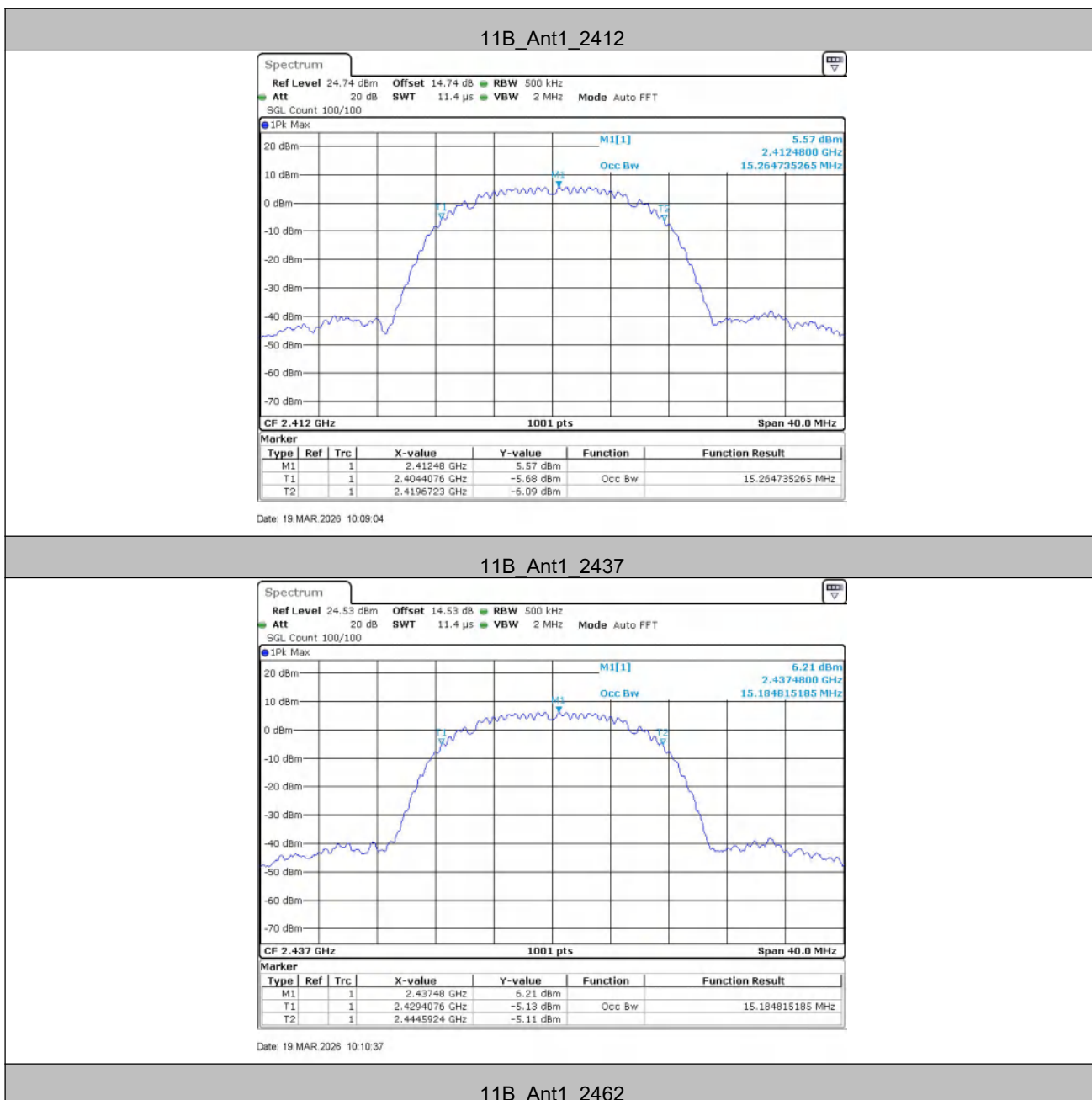
### 5.3 99% Occupied Bandwidth

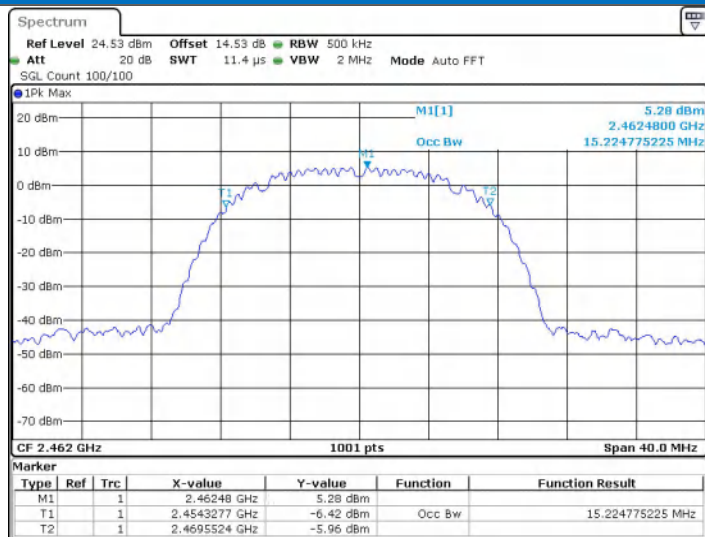
|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C                                                                                                                 |
| Test Method:           | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024                                                              |
| Test Setup:            |  <p>Offset=cable loss+ attenuation factor</p> |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                           |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                  |
| Test Results:          | Pass                                                                                                                            |

## Test Result

| TestMode  | Channel<br>Frequency[MHz] | OCB [MHz] | FL[MHz]   | FH[MHz]   |
|-----------|---------------------------|-----------|-----------|-----------|
| 11B       | 2412                      | 15.265    | 2404.4076 | 2419.6723 |
|           | 2437                      | 15.185    | 2429.4076 | 2444.5924 |
|           | 2462                      | 15.225    | 2454.3277 | 2469.5524 |
| 11G       | 2412                      | 17.143    | 2403.3287 | 2420.4715 |
|           | 2437                      | 17.143    | 2428.4885 | 2445.6314 |
|           | 2462                      | 17.023    | 2453.4486 | 2470.4715 |
| 11N20SISO | 2412                      | 18.062    | 2403.0490 | 2421.1109 |
|           | 2437                      | 17.662    | 2428.3287 | 2445.9910 |
|           | 2462                      | 17.782    | 2453.2488 | 2471.0310 |
| 11N40SISO | 2422                      | 35.644    | 2404.2577 | 2439.9021 |
|           | 2437                      | 35.724    | 2419.1778 | 2454.9021 |
|           | 2452                      | 35.884    | 2433.9381 | 2469.8222 |

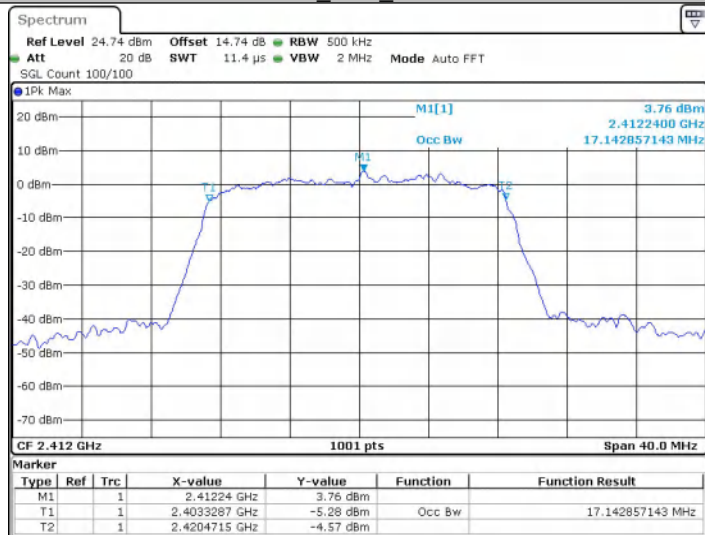
## Test Graphs





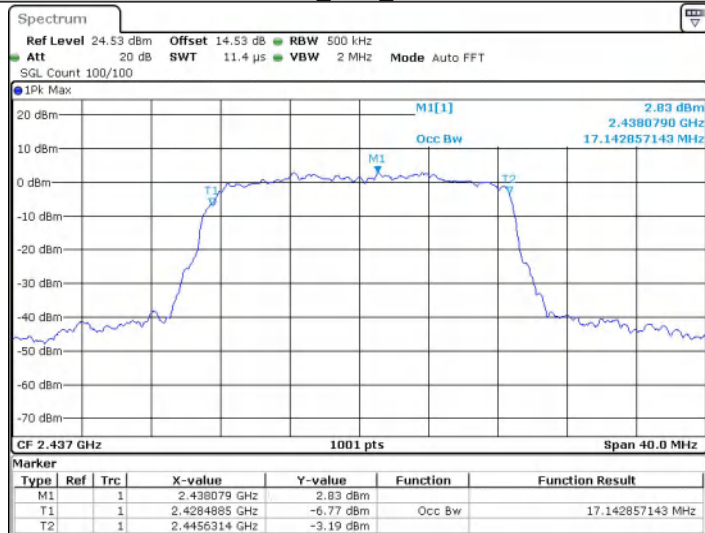
Date: 19 MAR 2026 10:11:55

11G\_Ant1\_2412



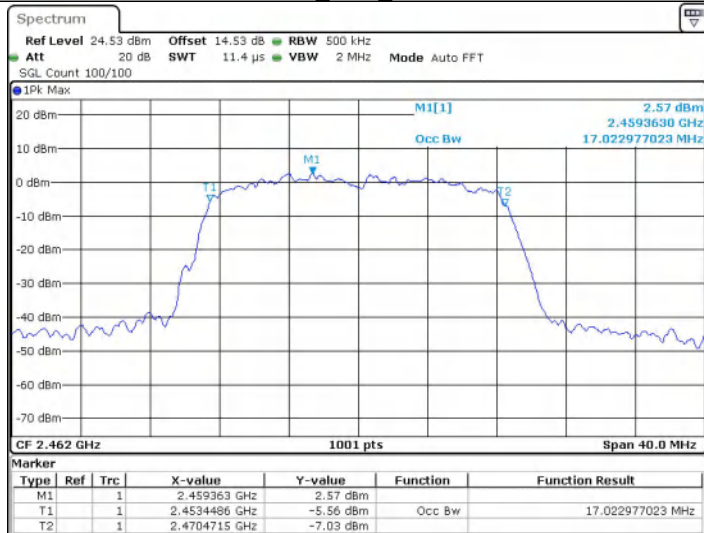
Date: 19 MAR 2026 10:15:13

11G\_Ant1\_2437



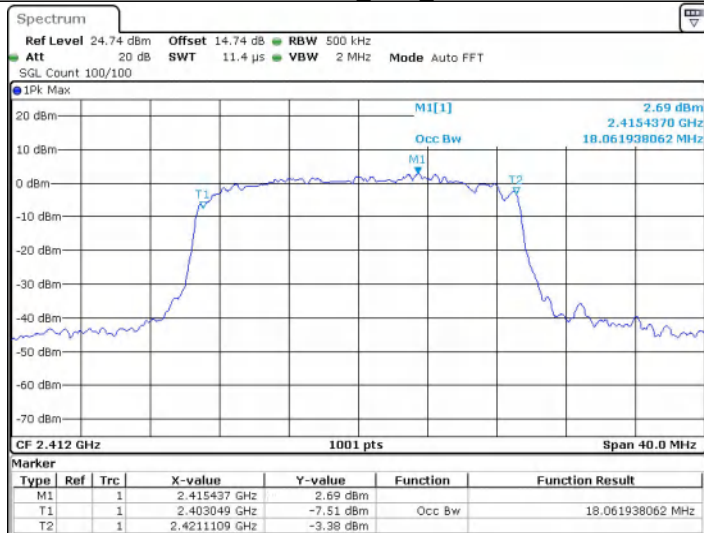
Date: 19 MAR 2026 10:17:05

11G\_Ant1\_2462



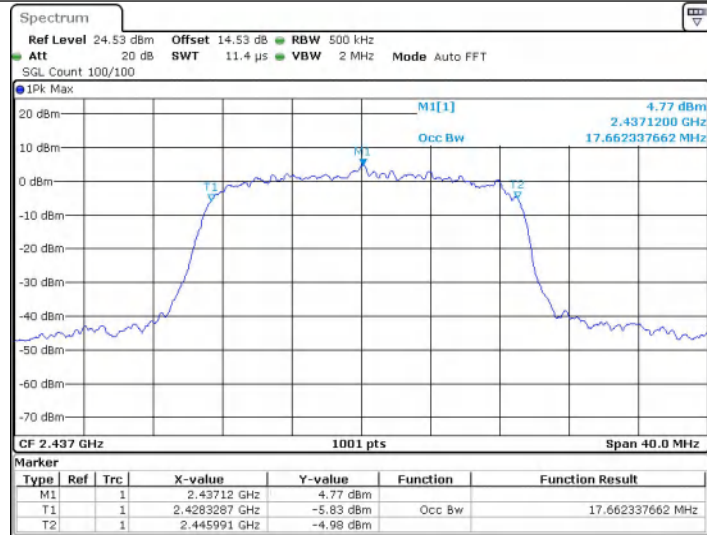
Date: 19 MAR 2026 10:18:34

11N20SISO\_Ant1\_2412



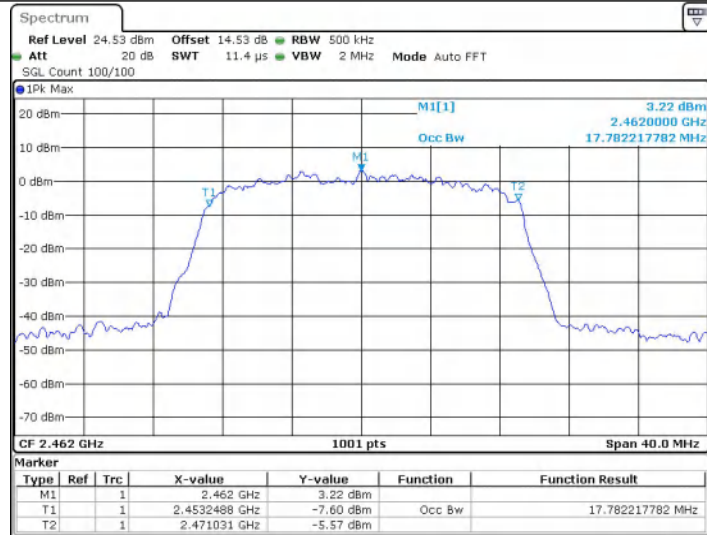
Date: 19 MAR 2026 10:20:28

11N20SISO\_Ant1\_2437



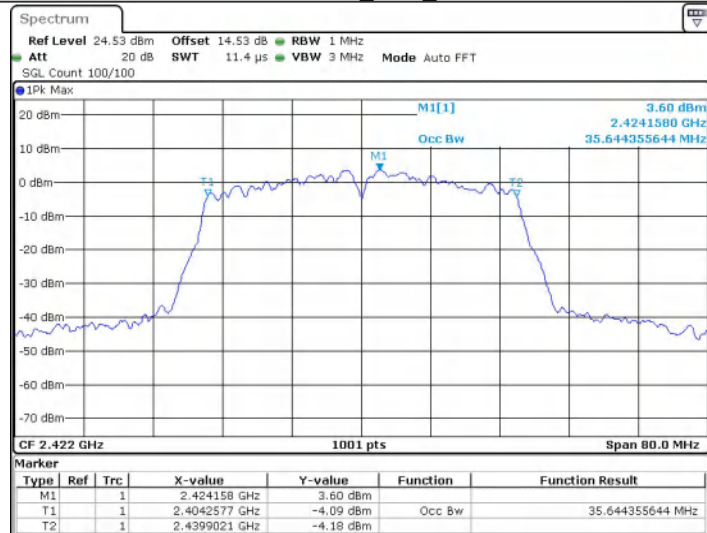
Date: 19 MAR 2026 10:31:22

11N20SISO\_Ant1\_2462



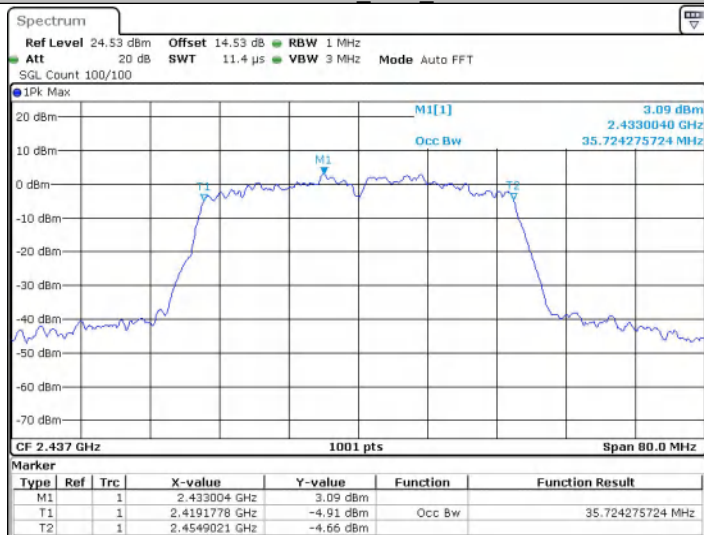
Date: 19 MAR 2026 10:34:12

11N40SISO\_Ant1\_2422



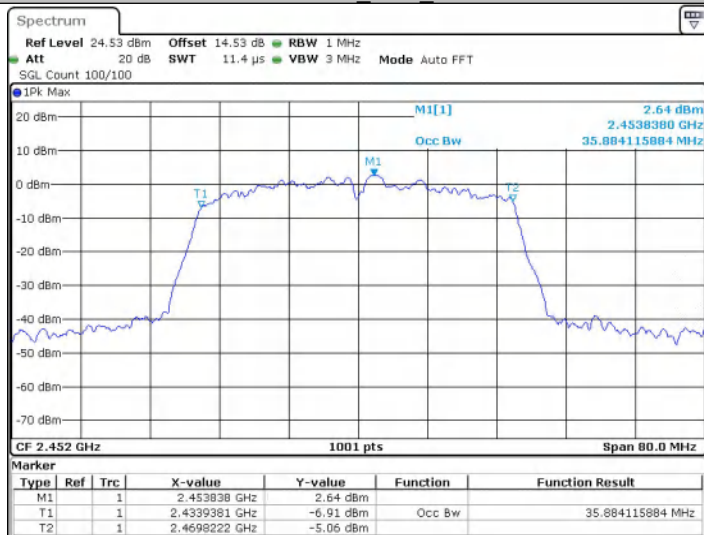
Date: 19 MAR 2026 10:38:47

11N40SISO\_Ant1\_2437



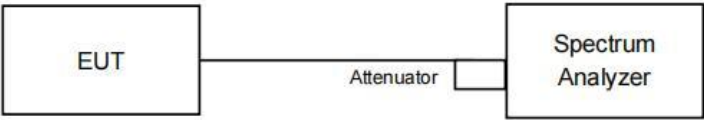
Date: 19 MAR 2026 10:41:10

11N40SISO\_Ant1\_2452



Date: 19 MAR 2026 10:45:23

## 5.4 6dB Occupied Bandwidth

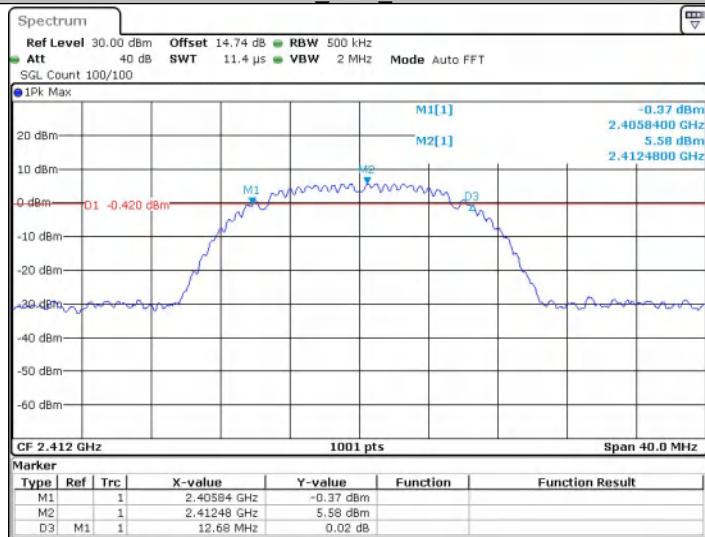
|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (a)(2)                                                                                           |
| Test Method:           | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024                                                              |
| Test Setup:            |  <p>Offset=cable loss+ attenuation factor</p> |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                           |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                  |
| Limit:                 | $\geq 500$ kHz                                                                                                                  |
| Test Results:          | Pass                                                                                                                            |

### Test Result

| TestMode  | Antenna | Channel | DTS BW [MHz] | Limit[MHz] | Verdict |
|-----------|---------|---------|--------------|------------|---------|
| 11B       | Ant1    | 2412    | 12.68        | 0.5        | PASS    |
|           |         | 2437    | 12.24        | 0.5        | PASS    |
|           |         | 2462    | 12.64        | 0.5        | PASS    |
| 11G       | Ant1    | 2412    | 16.20        | 0.5        | PASS    |
|           |         | 2437    | 16.16        | 0.5        | PASS    |
|           |         | 2462    | 15.92        | 0.5        | PASS    |
| 11N20SISO | Ant1    | 2412    | 16.16        | 0.5        | PASS    |
|           |         | 2437    | 16.24        | 0.5        | PASS    |
|           |         | 2462    | 15.20        | 0.5        | PASS    |
| 11N40SISO | Ant1    | 2422    | 32.88        | 0.5        | PASS    |
|           |         | 2437    | 32.72        | 0.5        | PASS    |
|           |         | 2452    | 34.56        | 0.5        | PASS    |

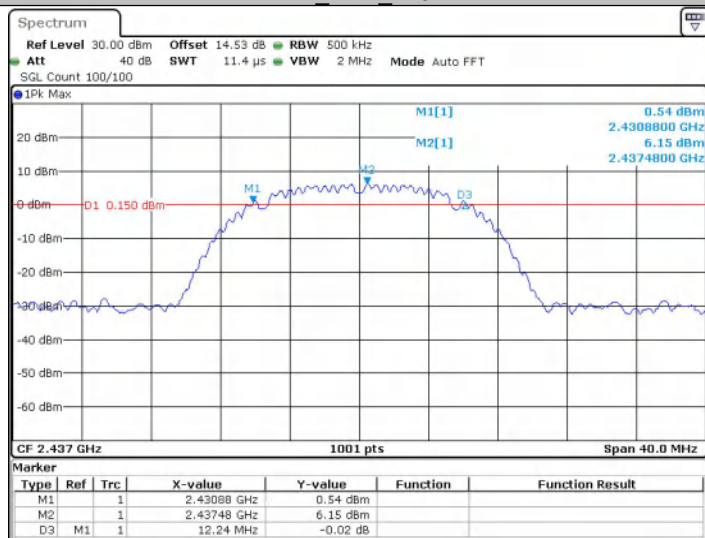
## Test Graphs

11B\_Ant1\_2412



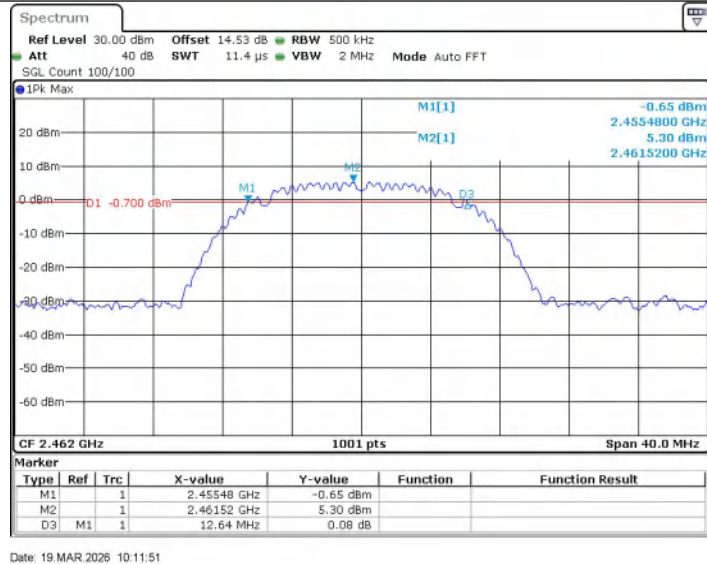
Date: 19 MAR 2026 10:08:59

11B\_Ant1\_2437

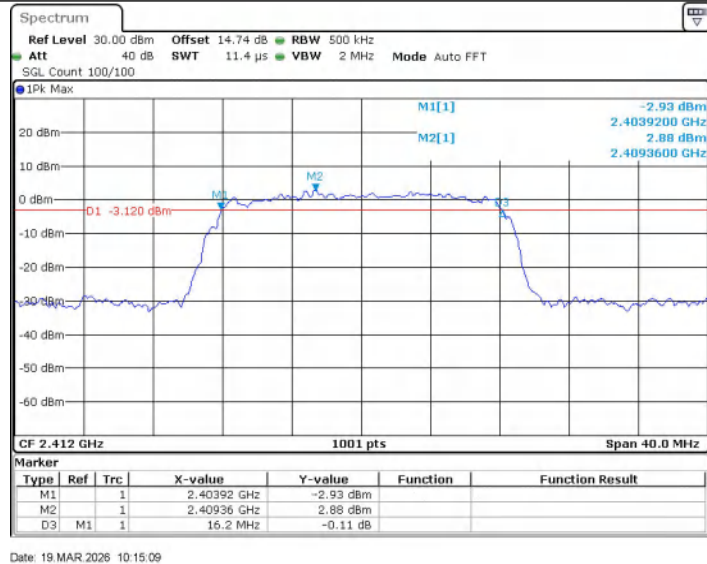


Date: 19 MAR 2026 10:10:33

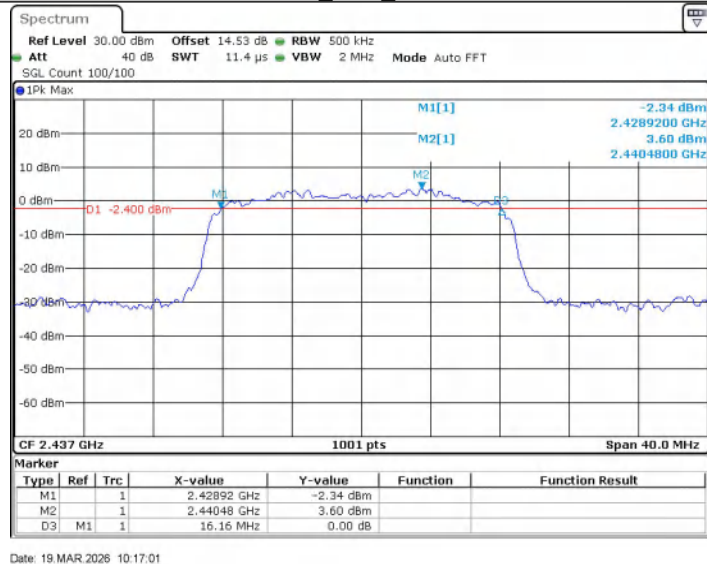
11B\_Ant1\_2462



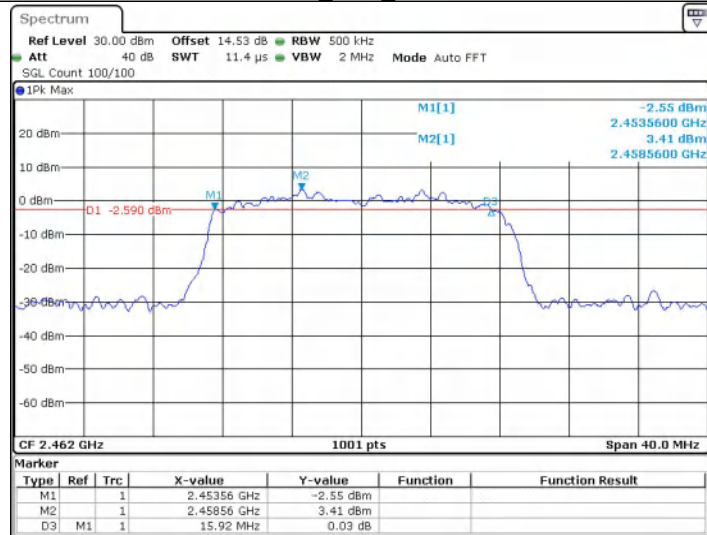
11G\_Ant1\_2412



11G\_Ant1\_2437

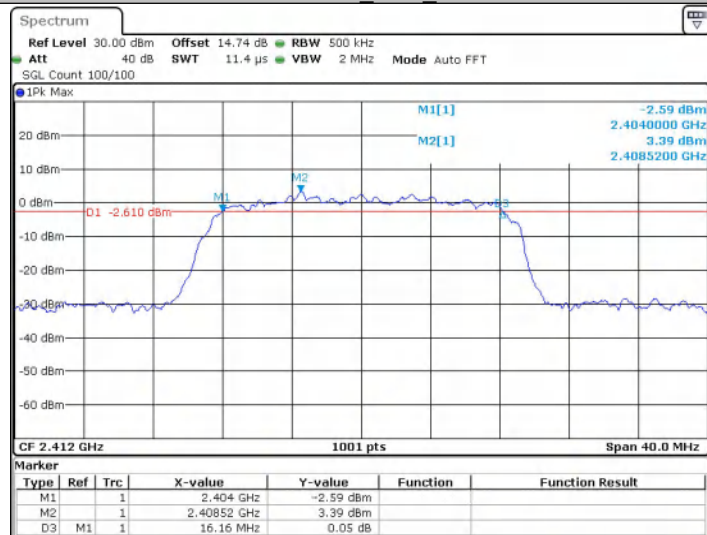


11G\_Ant1\_2462



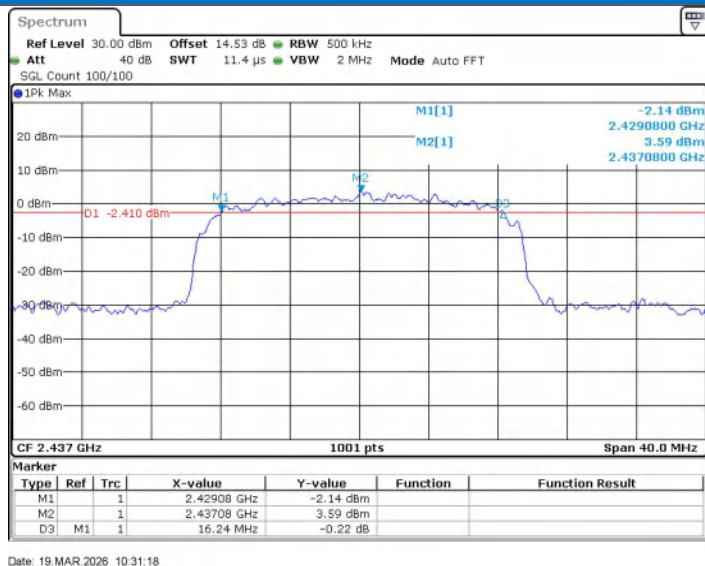
Date: 19 MAR 2026 10:18:30

11N20SISO\_Ant1\_2412

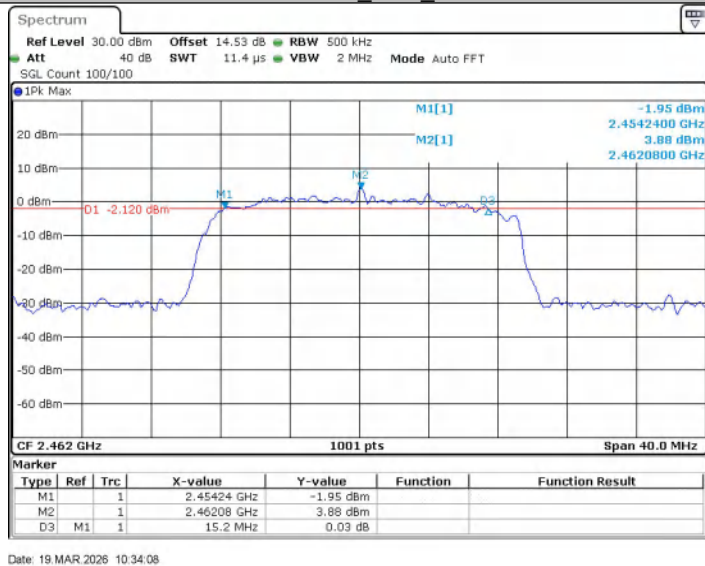


Date: 19 MAR 2026 10:20:24

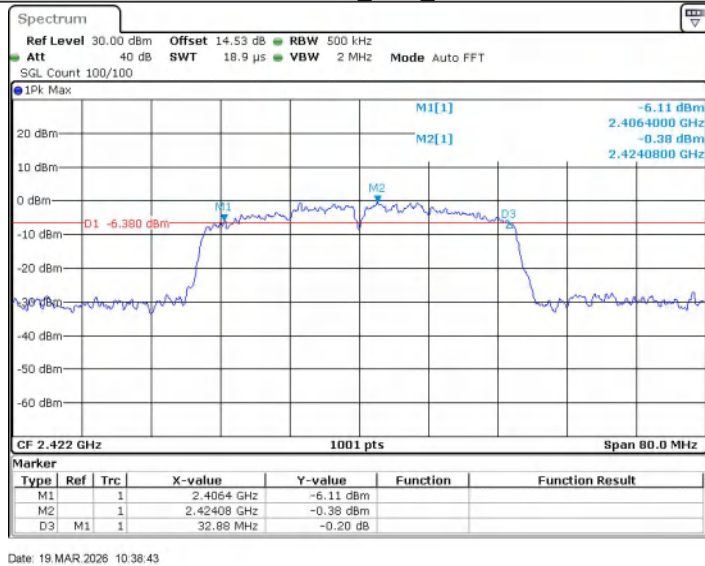
11N20SISO\_Ant1\_2437



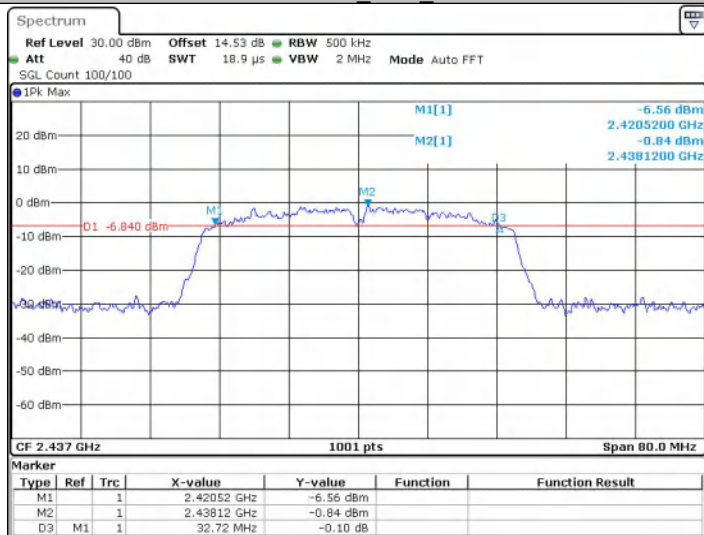
11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422

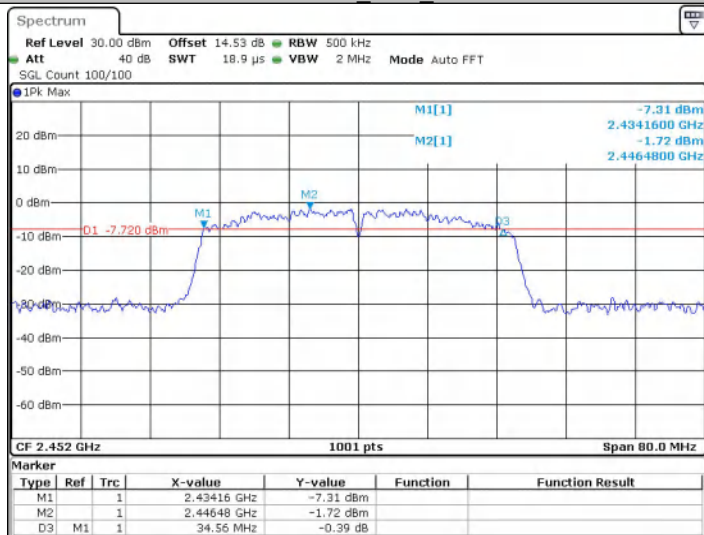


11N40SISO\_Ant1\_2437



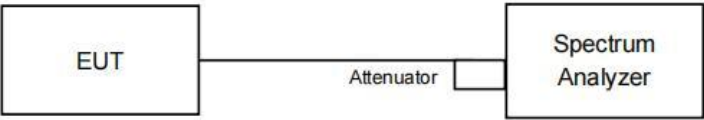
Date: 19 MAR 2026 10:41:06

11N40SISO\_Ant1\_2452



Date: 19 MAR 2026 10:45:19

## 5.5 Power Spectral Density

|                        |                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (e)                                                                                          |
| Test Method:           | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024                                                          |
| Test Setup:            | <br>Offset=cable loss+ attenuation factor |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                       |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                              |
| Limit:                 | ≤8.00dBm/3kHz                                                                                                               |
| Test Results:          | Pass                                                                                                                        |

## Test Result

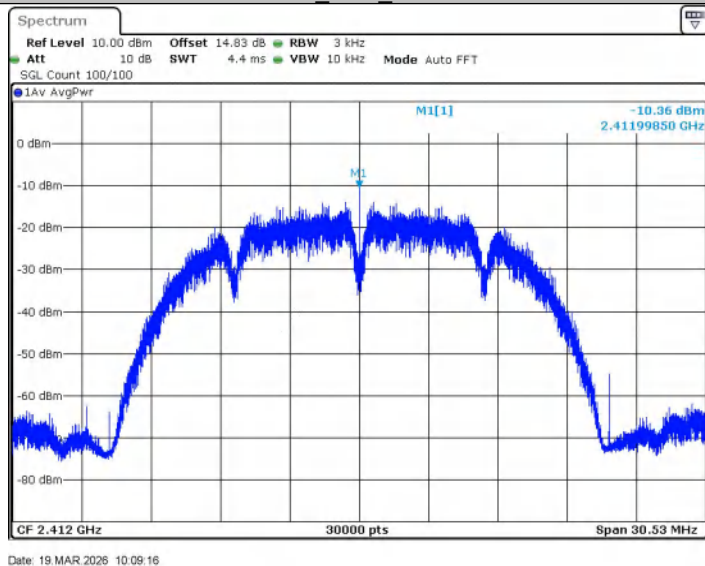
| TestMode  | Frequency[MHz] | Result[dBm/3kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|----------------|------------------|-----------------|---------|
| 11B       | 2412           | -10.36           | ≤8.00           | PASS    |
|           | 2437           | -9.70            | ≤8.00           | PASS    |
|           | 2462           | -10.91           | ≤8.00           | PASS    |
| 11G       | 2412           | -16.64           | ≤8.00           | PASS    |
|           | 2437           | -15.92           | ≤8.00           | PASS    |
|           | 2462           | -16.93           | ≤8.00           | PASS    |
| 11N20SISO | 2412           | -18.80           | ≤8.00           | PASS    |
|           | 2437           | -18.74           | ≤8.00           | PASS    |
|           | 2462           | -19.85           | ≤8.00           | PASS    |
| 11N40SISO | 2422           | -18.27           | ≤8.00           | PASS    |
|           | 2437           | -18.76           | ≤8.00           | PASS    |
|           | 2452           | -17.53           | ≤8.00           | PASS    |

Note: Duty cycle correction factor details please see section 4.4.

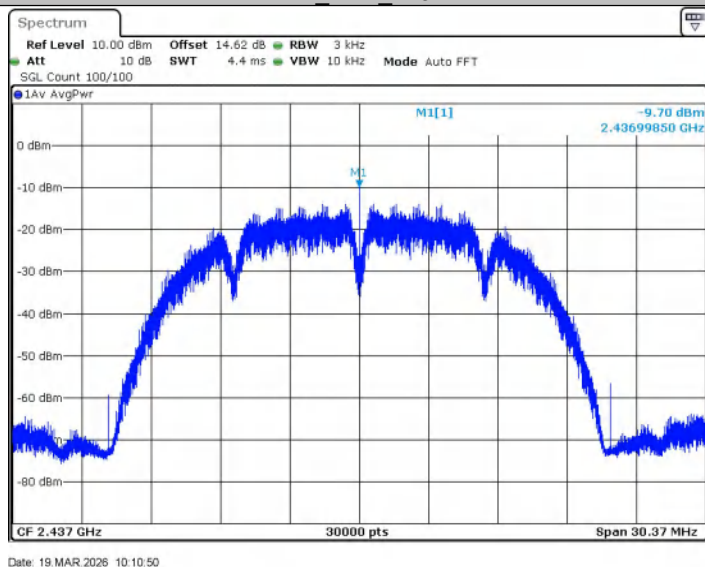
When Duty cycle >98%, D.C.F is not required.

## Test Graphs

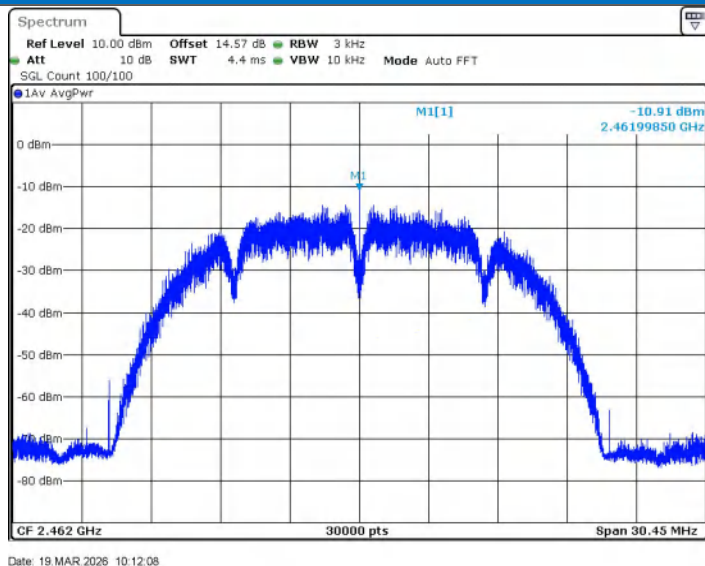
11B\_Ant1\_2412



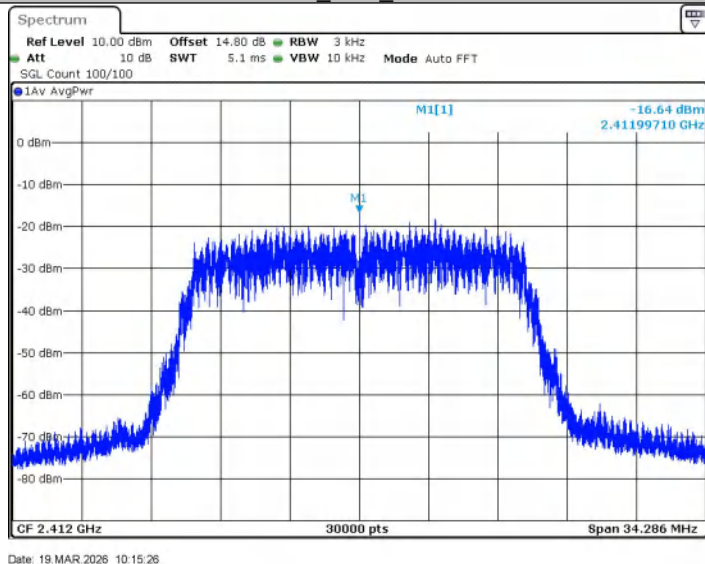
11B\_Ant1\_2437



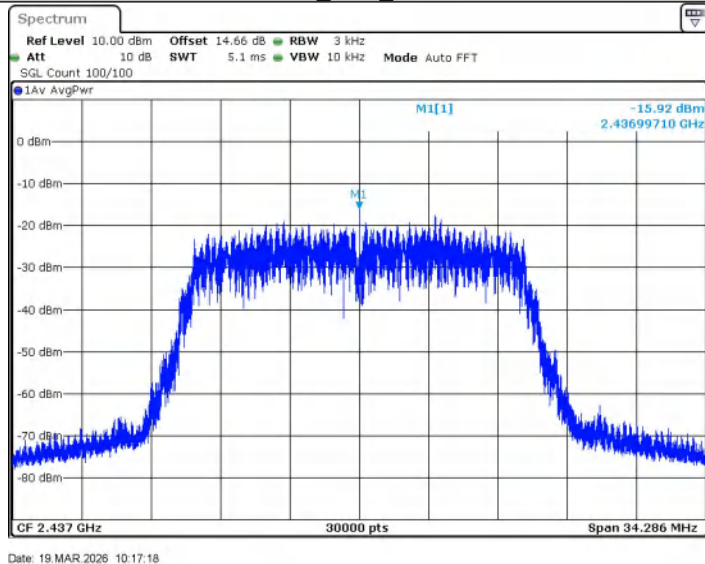
11B\_Ant1\_2462



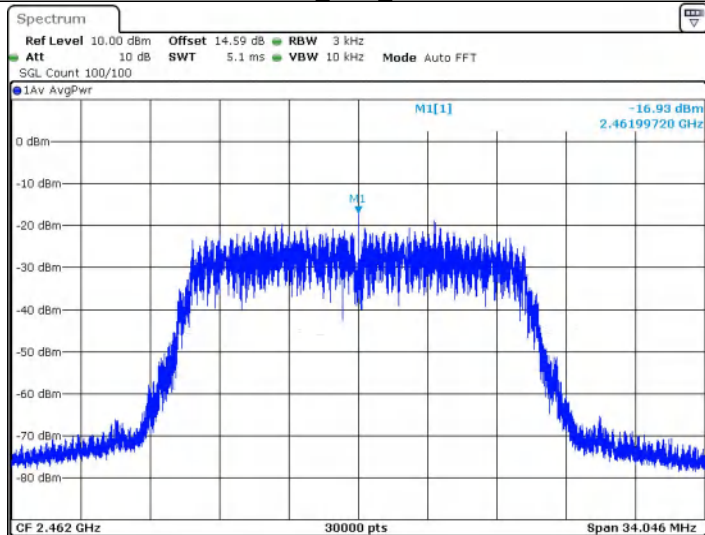
11G\_Ant1\_2412



11G\_Ant1\_2437

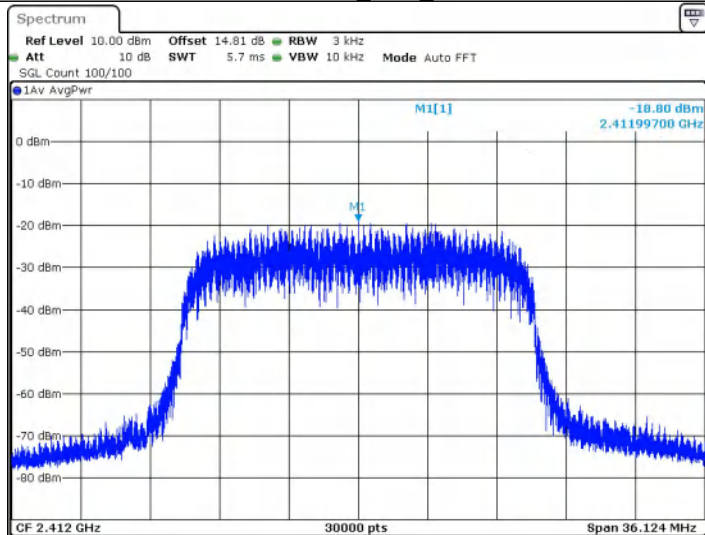


11G\_Ant1\_2462



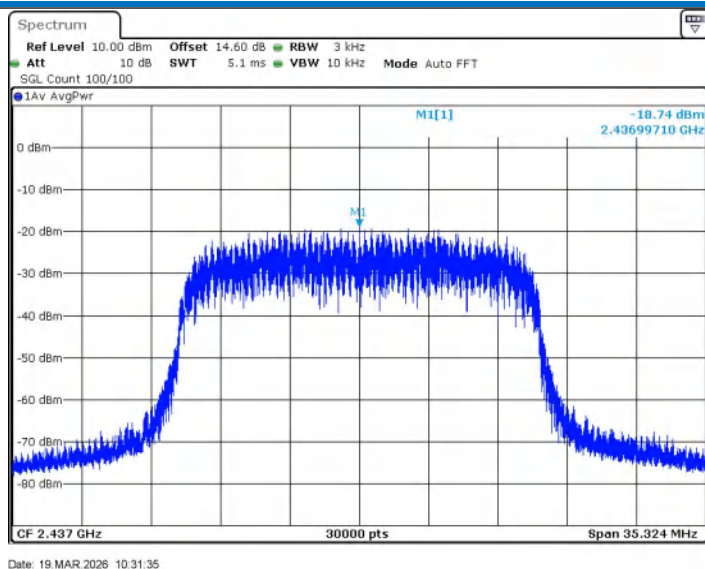
Date: 19 MAR 2026 10:18:47

11N20SISO\_Ant1\_2412

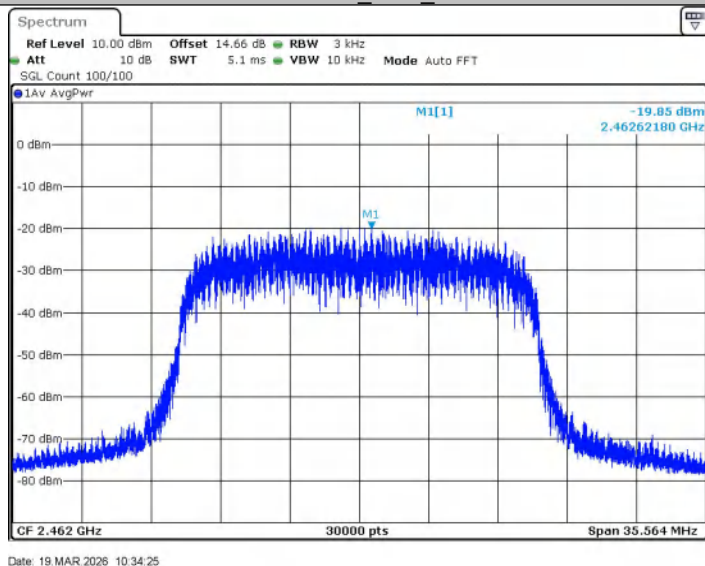


Date: 19 MAR 2026 10:20:42

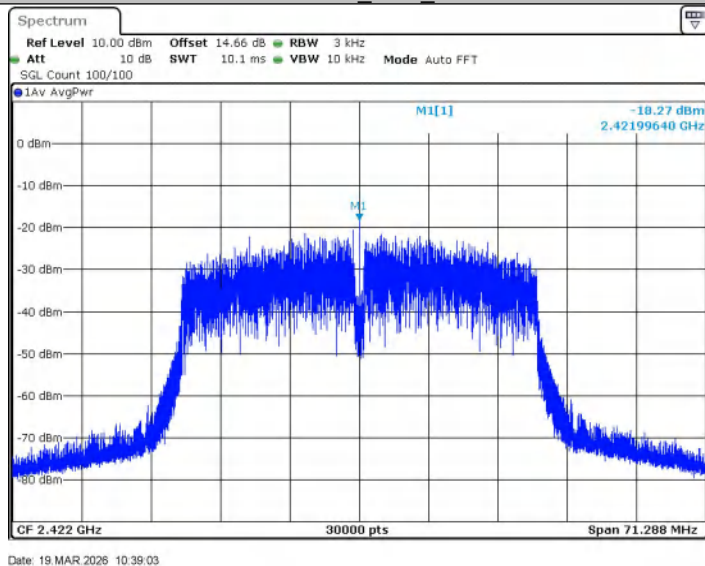
11N20SISO\_Ant1\_2437



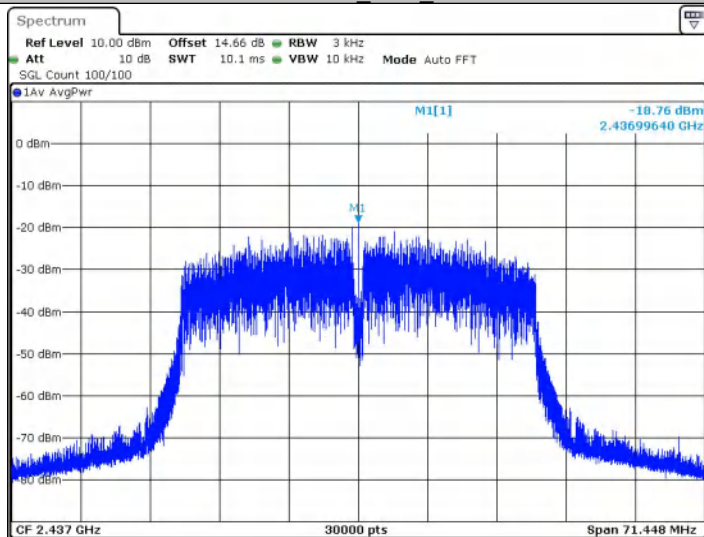
11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422

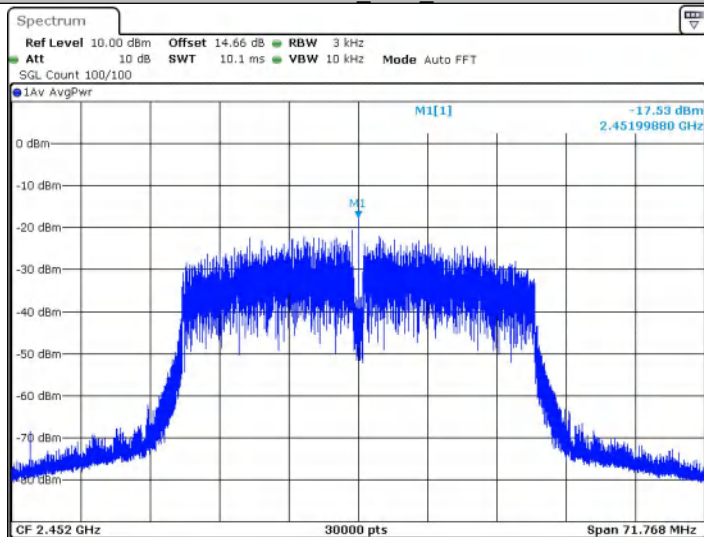


11N40SISO\_Ant1\_2437



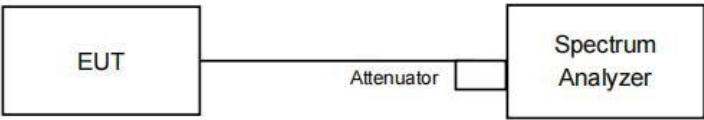
Date: 19 MAR 2026 10:41:25

11N40SISO\_Ant1\_2452



Date: 19 MAR 2026 10:45:38

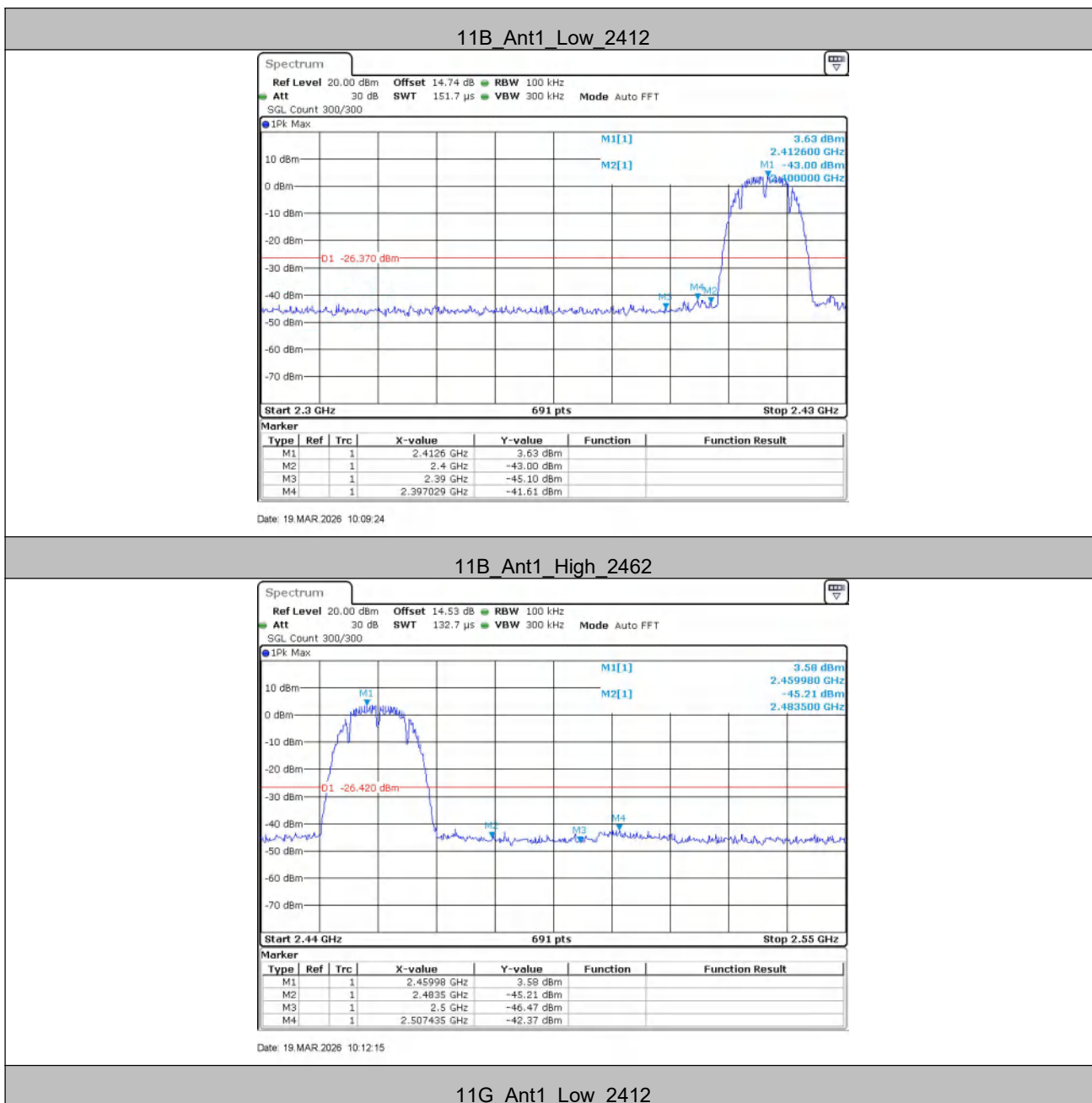
## 5.6 Band-edge for RF Conducted Emissions

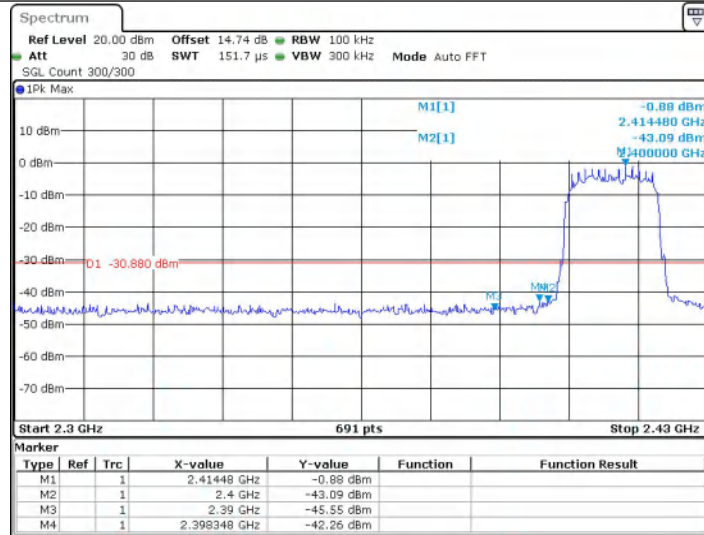
|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:           | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024                                                                                                                                                                                                                                                                                                                      |
| Test Setup:            |  <p>Offset=cable loss+ attenuation factor</p>                                                                                                                                                                                                                                                         |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                   |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                                                                                                                                                                                                                                                                          |
| Limit:                 | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 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. |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

**Test Result**

| TestMode  | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm]    | Verdict |
|-----------|--------|----------------|---------------|-------------|---------------|---------|
| 11B       | Low    | 2412           | 3.63          | -41.61      | $\leq -26.37$ | PASS    |
|           | High   | 2462           | 3.58          | -42.37      | $\leq -26.42$ | PASS    |
| 11G       | Low    | 2412           | -0.88         | -42.26      | $\leq -30.88$ | PASS    |
|           | High   | 2462           | -1.76         | -41.74      | $\leq -31.76$ | PASS    |
| 11N20SISO | Low    | 2412           | -0.93         | -42.49      | $\leq -30.93$ | PASS    |
|           | High   | 2462           | -1.83         | -42.81      | $\leq -31.83$ | PASS    |
| 11N40SISO | Low    | 2422           | -4.13         | -42.15      | $\leq -34.13$ | PASS    |
|           | High   | 2452           | -4.70         | -42.09      | $\leq -34.7$  | PASS    |

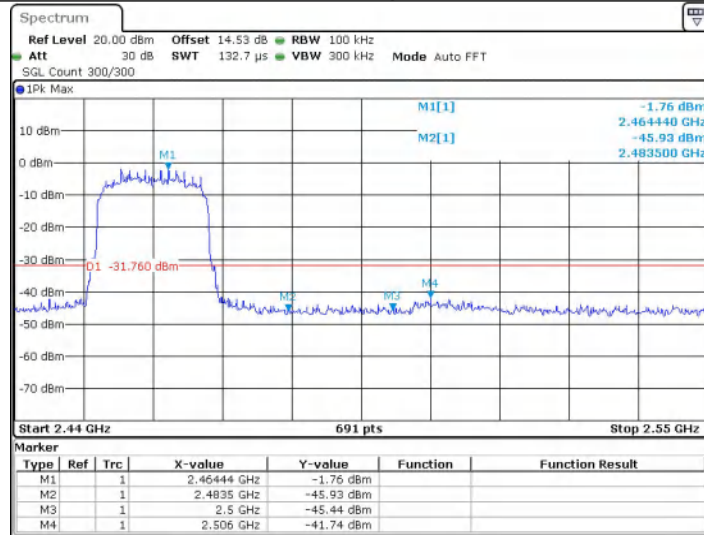
## 5.6.1 Test Graphs





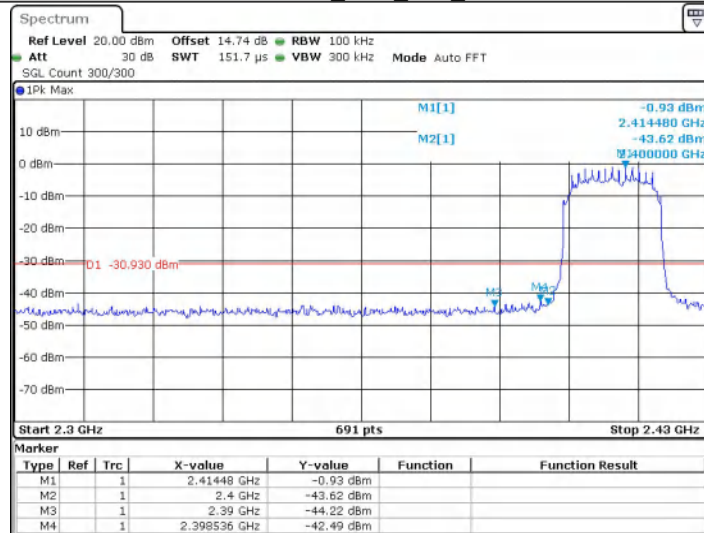
Date: 19 MAR 2026 10:15:34

### 11G\_Ant1\_High\_2462



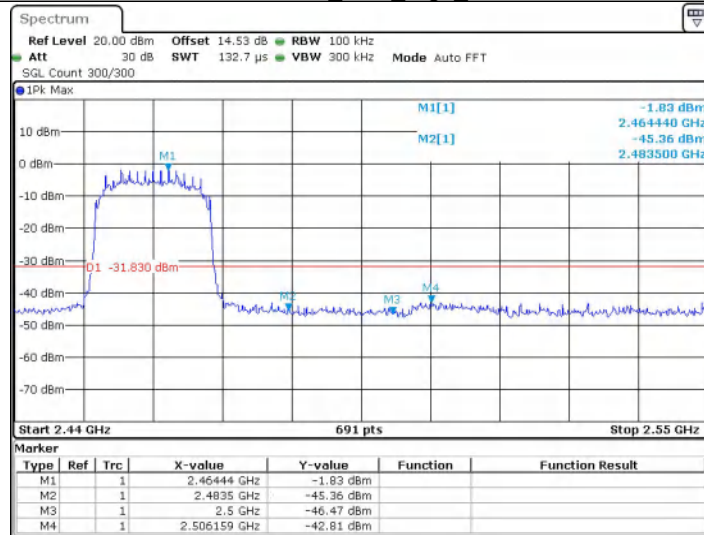
Date: 19 MAR 2026 10:18:55

### 11N20SISO\_Ant1\_Low\_2412



Date: 19 MAR 2026 10:20:50

11N20SISO\_Ant1\_High\_2462



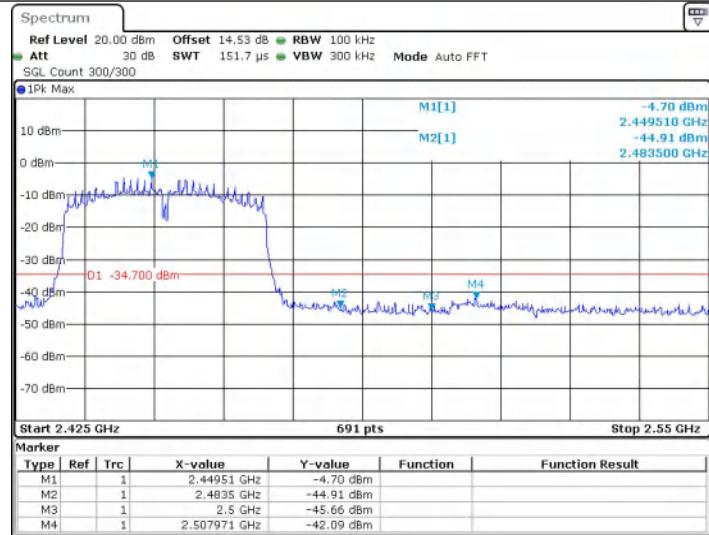
Date: 19 MAR 2026 10:34:33

11N40SISO\_Ant1\_Low\_2422



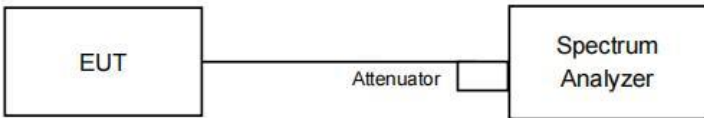
Date: 19 MAR 2026 10:39:11

11N40SISO\_Ant1\_High\_2452



Date: 19 MAR 2026 10:45:46

## 5.7 RF Conducted Spurious Emissions

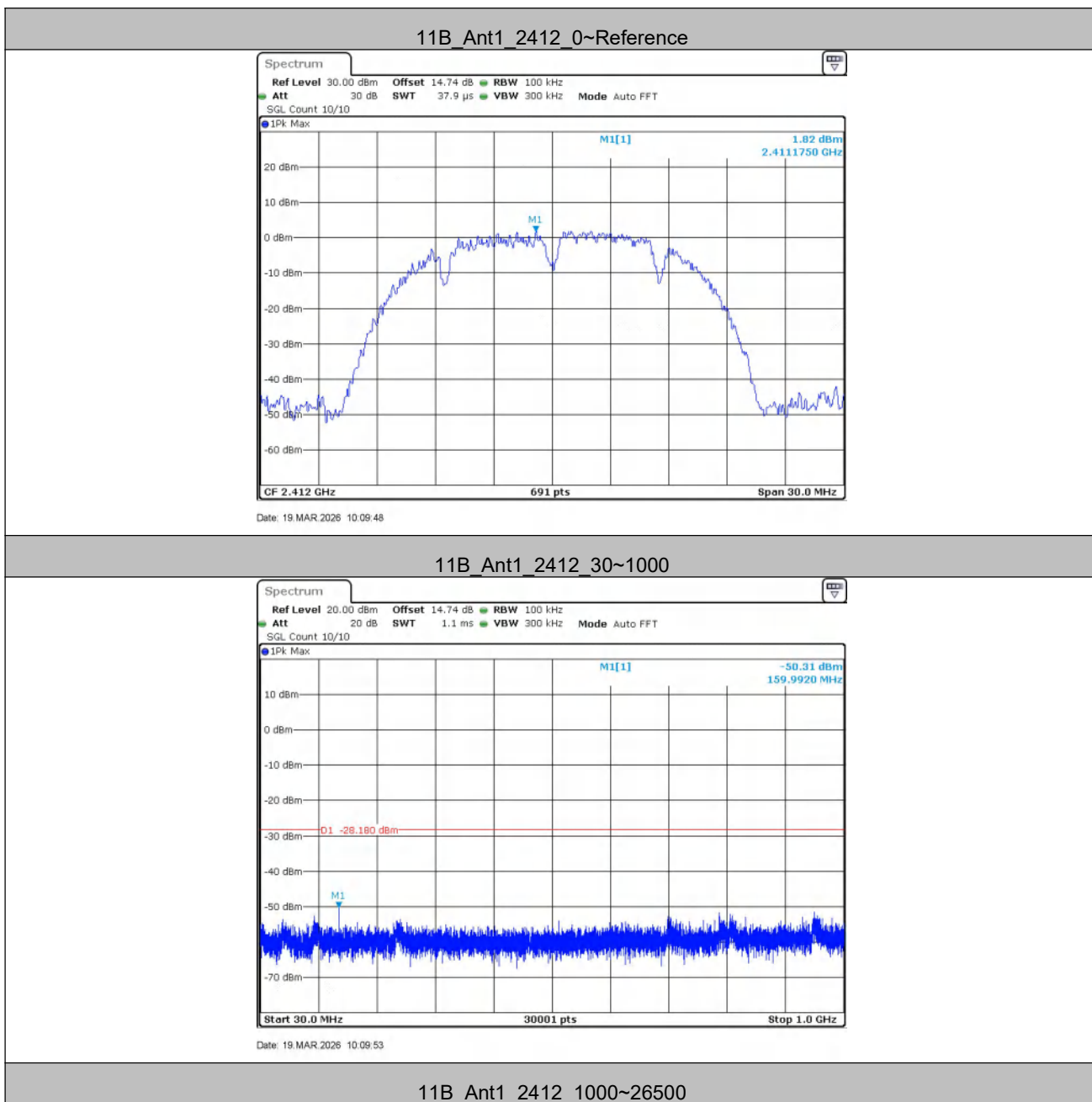
|                        |                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement:      | 47 CFR Part 15C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                      |
| Test Method:           | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024                                                                                                                                                                                                                                                                                                                      |
| Test Setup:            |  <p>Offset=cable loss+ attenuation factor</p>                                                                                                                                                                                                                                                         |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates                                                                                                                                                                                                                                                                                                                                   |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                                                                                                                                                                                                                                                                          |
| Limit:                 | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 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. |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                    |

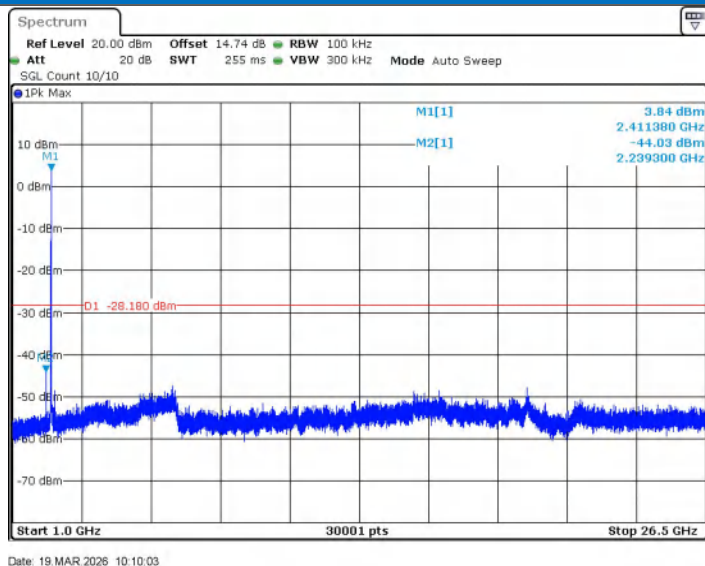
## Test Result

| TestMode  | Frequency[MHz] | FreqRange<br>[Mhz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|-----------|----------------|--------------------|-------------------|-----------------|----------------|---------|
| 11B       | 2412           | Reference          | 1.82              | 1.82            | ---            | PASS    |
|           |                | 30~1000            | 1.82              | -50.31          | $\leq -28.18$  | PASS    |
|           |                | 1000~26500         | 1.82              | -44.03          | $\leq -28.18$  | PASS    |
|           | 2437           | Reference          | 3.04              | 3.04            | ---            | PASS    |
|           |                | 30~1000            | 3.04              | -49.64          | $\leq -26.96$  | PASS    |
|           |                | 1000~26500         | 3.04              | -45.41          | $\leq -26.96$  | PASS    |
|           | 2462           | Reference          | 2.60              | 2.60            | ---            | PASS    |
|           |                | 30~1000            | 2.60              | -51.28          | $\leq -27.4$   | PASS    |
|           |                | 1000~26500         | 2.60              | -43.68          | $\leq -27.4$   | PASS    |
| 11G       | 2412           | Reference          | -3.88             | -3.88           | ---            | PASS    |
|           |                | 30~1000            | -3.88             | -51.4           | $\leq -33.88$  | PASS    |
|           |                | 1000~26500         | -3.88             | -45.26          | $\leq -33.88$  | PASS    |
|           | 2437           | Reference          | -3.42             | -3.42           | ---            | PASS    |
|           |                | 30~1000            | -3.42             | -49.51          | $\leq -33.42$  | PASS    |
|           |                | 1000~26500         | -3.42             | -46.8           | $\leq -33.42$  | PASS    |
|           | 2462           | Reference          | -4.69             | -4.69           | ---            | PASS    |
|           |                | 30~1000            | -4.69             | -51.56          | $\leq -34.69$  | PASS    |
|           |                | 1000~26500         | -4.69             | -46.37          | $\leq -34.69$  | PASS    |
| 11N20SISO | 2412           | Reference          | -4.35             | -4.35           | ---            | PASS    |
|           |                | 30~1000            | -4.35             | -49.84          | $\leq -34.35$  | PASS    |
|           |                | 1000~26500         | -4.35             | -45.54          | $\leq -34.35$  | PASS    |
|           | 2437           | Reference          | -3.02             | -3.02           | ---            | PASS    |
|           |                | 30~1000            | -3.02             | -50.44          | $\leq -33.02$  | PASS    |
|           |                | 1000~26500         | -3.02             | -46.3           | $\leq -33.02$  | PASS    |
|           | 2462           | Reference          | -3.66             | -3.66           | ---            | PASS    |
|           |                | 30~1000            | -3.66             | -50.57          | $\leq -33.66$  | PASS    |
|           |                | 1000~26500         | -3.66             | -46.73          | $\leq -33.66$  | PASS    |
| 11N40SISO | 2422           | Reference          | -6.63             | -6.63           | ---            | PASS    |
|           |                | 30~1000            | -6.63             | -51.01          | $\leq -36.63$  | PASS    |
|           |                | 1000~26500         | -6.63             | -46.18          | $\leq -36.63$  | PASS    |
|           | 2437           | Reference          | -7.71             | -7.71           | ---            | PASS    |
|           |                | 30~1000            | -7.71             | -50.86          | $\leq -37.71$  | PASS    |
|           |                | 1000~26500         | -7.71             | -47.22          | $\leq -37.71$  | PASS    |
|           | 2452           | Reference          | -4.69             | -4.69           | ---            | PASS    |

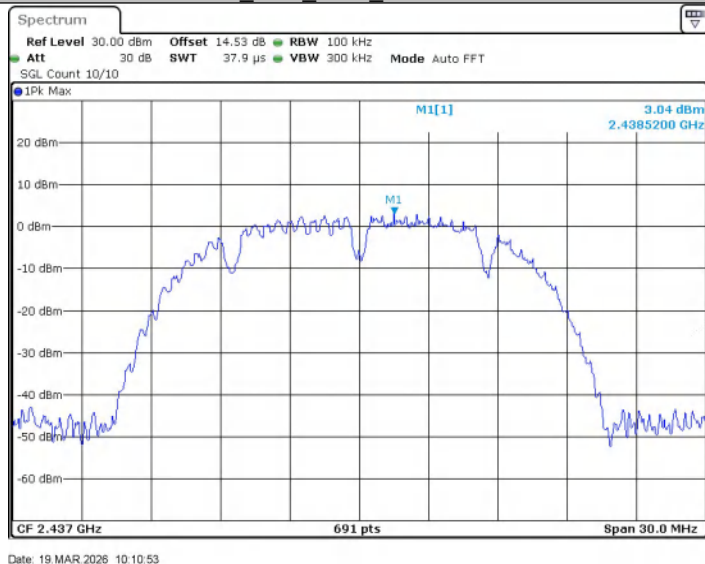
|  |  |            |       |        |         |      |
|--|--|------------|-------|--------|---------|------|
|  |  | 30~1000    | -4.69 | -50.12 | ≤-34.69 | PASS |
|  |  | 1000~26500 | -4.69 | -47.03 | ≤-34.69 | PASS |

## Test Graphs

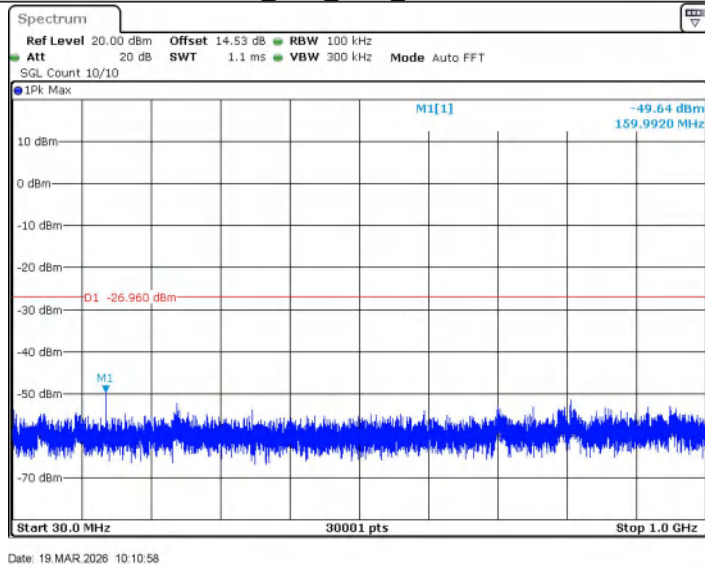




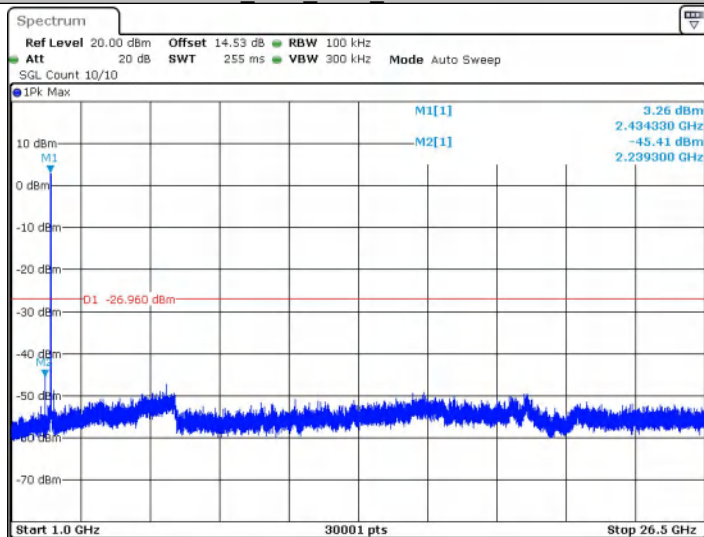
11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000

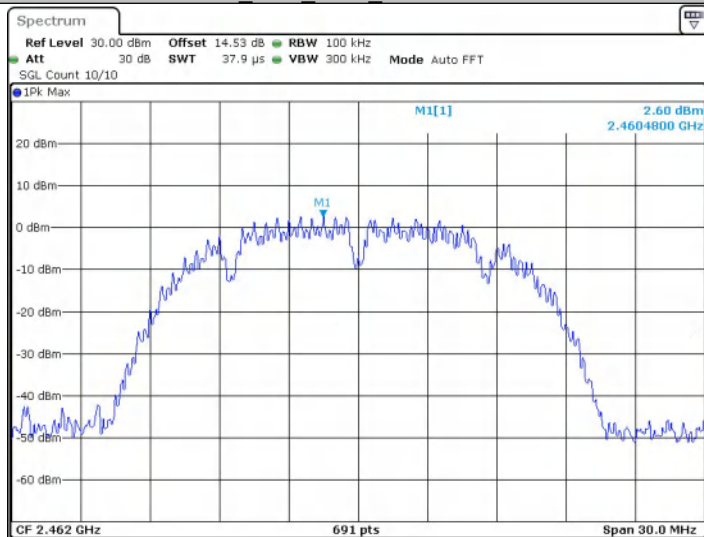


11B\_Ant1\_2437\_1000~26500



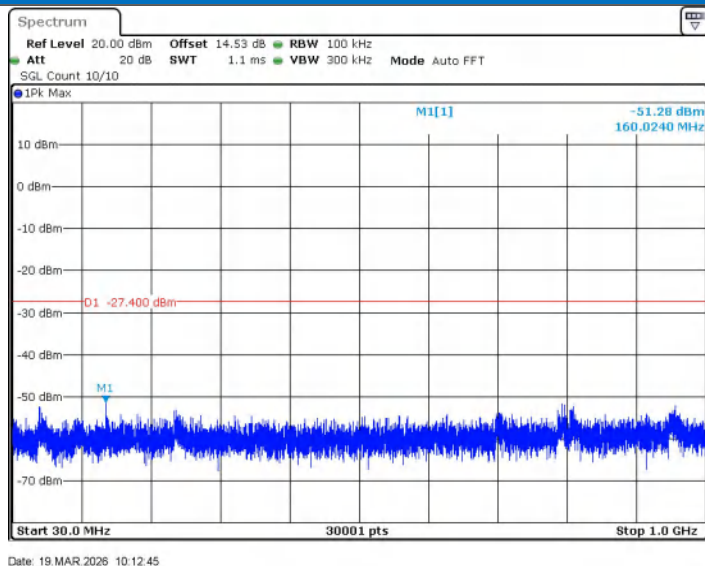
Date: 19 MAR 2026 10:11:08

11B\_Ant1\_2462\_0~Reference

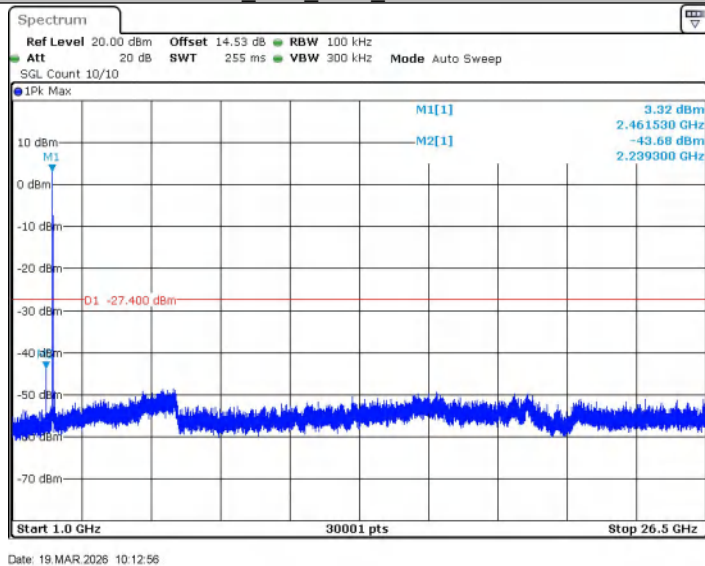


Date: 19 MAR 2026 10:12:41

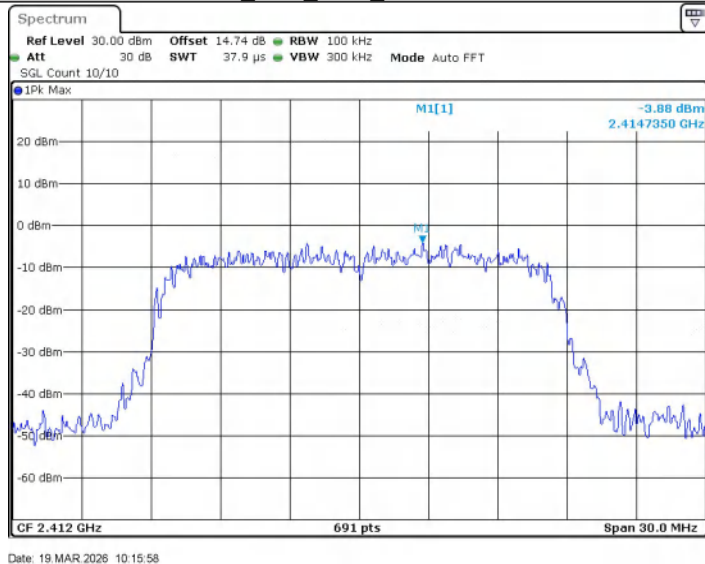
11B\_Ant1\_2462\_30~1000



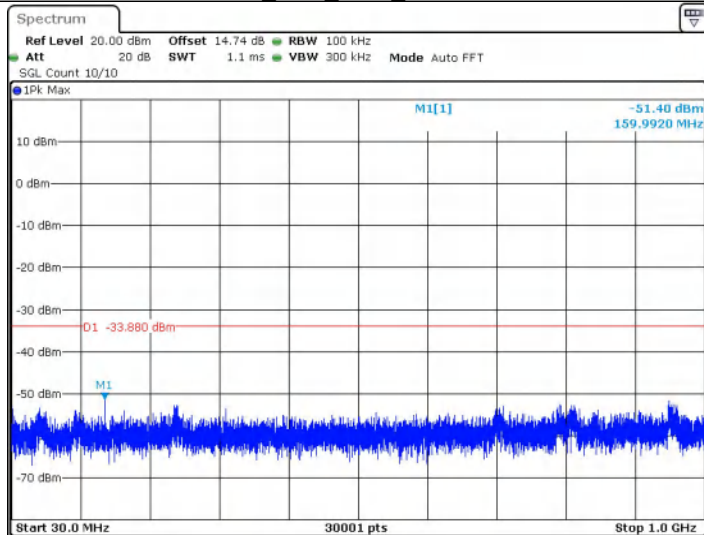
11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference

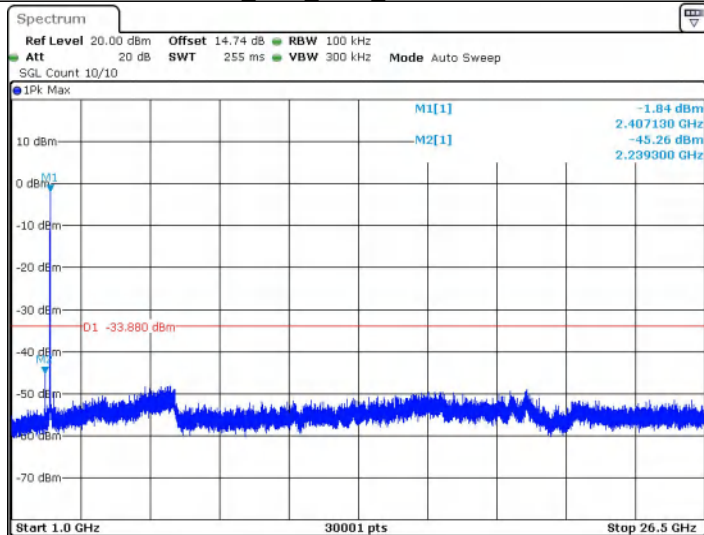


11G\_Ant1\_2412\_30~1000



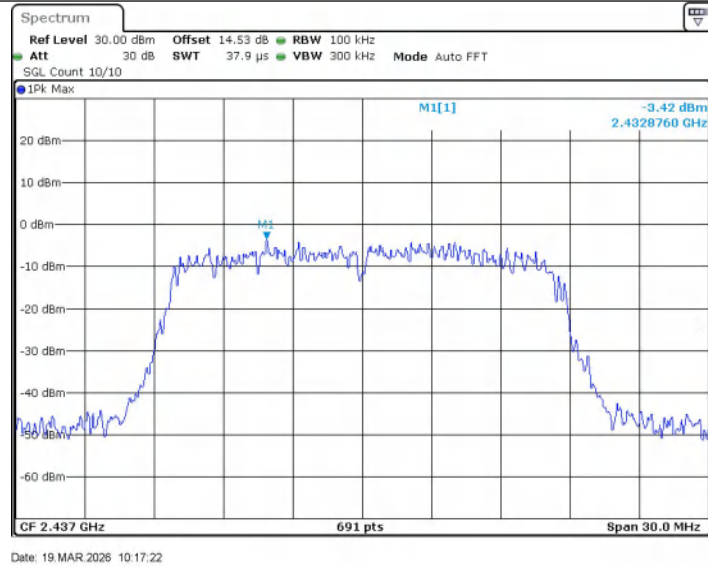
Date: 19 MAR 2026 10:16:02

11G\_Ant1\_2412\_1000~26500

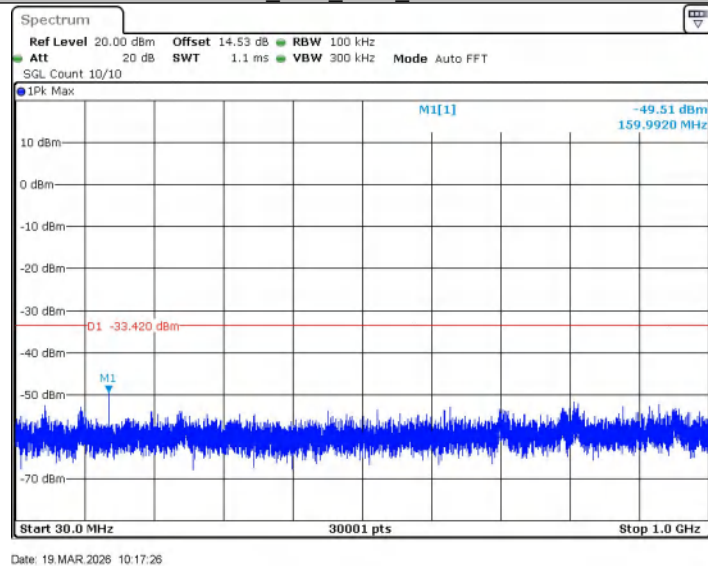


Date: 19 MAR 2026 10:16:13

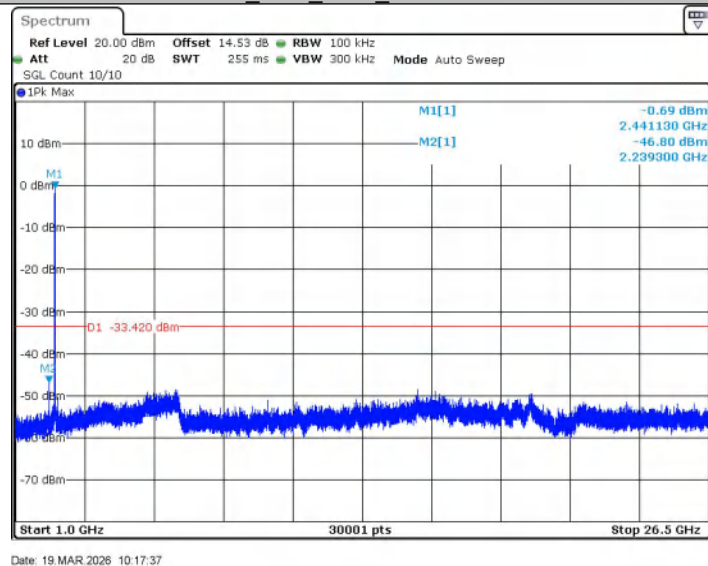
11G\_Ant1\_2437\_0~Reference



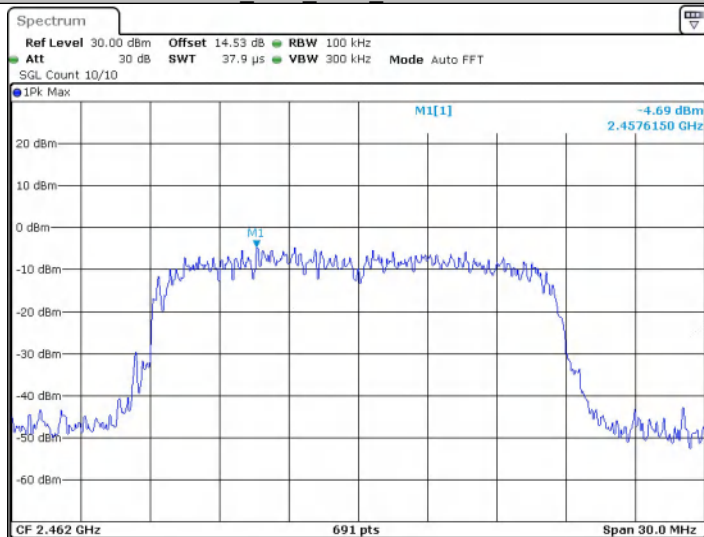
11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500

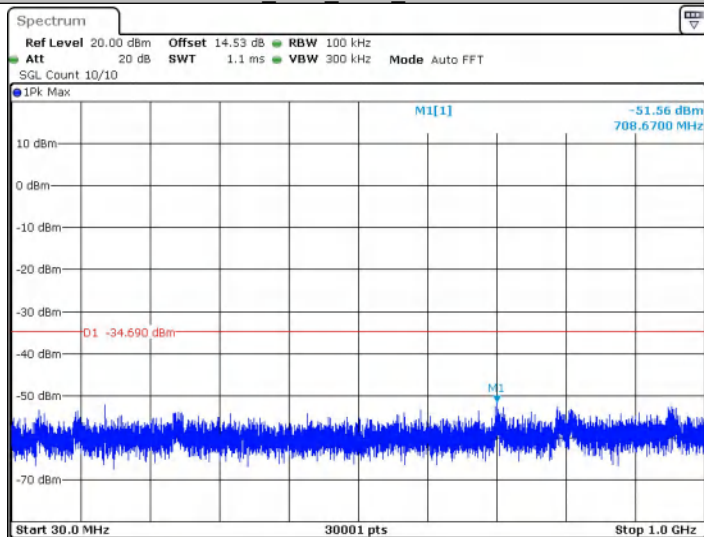


11G\_Ant1\_2462\_0~Reference



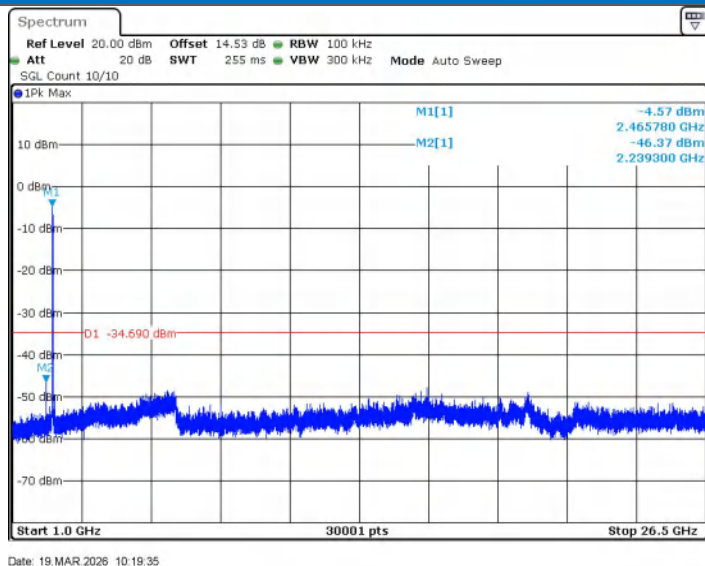
Date: 19 MAR 2026 10:19:20

11G\_Ant1\_2462\_30~1000

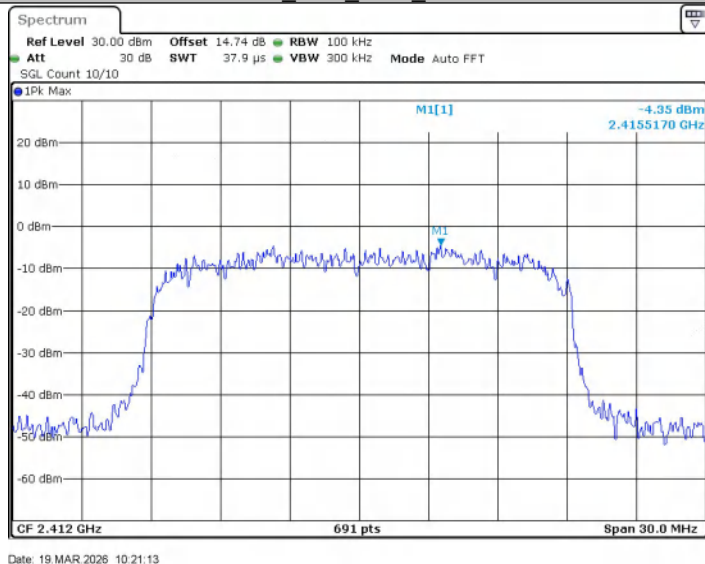


Date: 19 MAR 2026 10:19:24

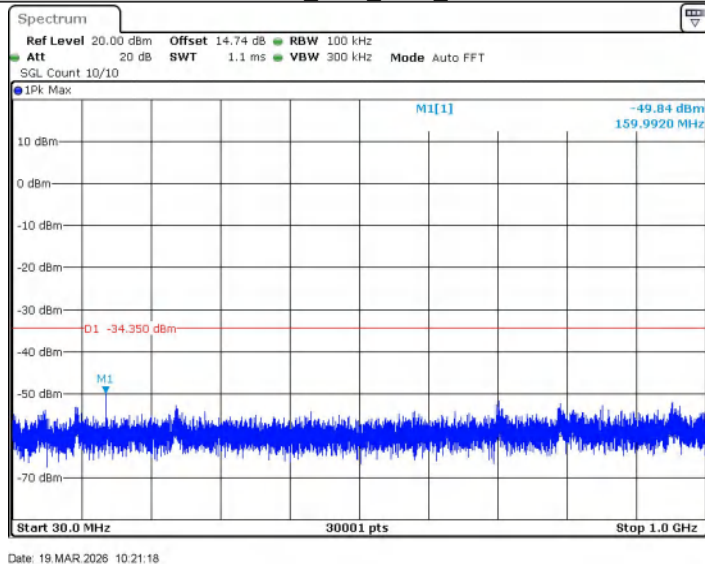
11G\_Ant1\_2462\_1000~26500



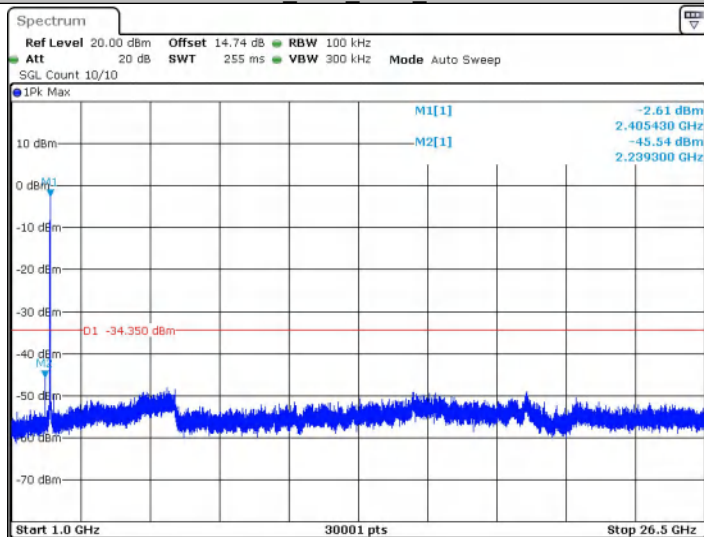
11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000

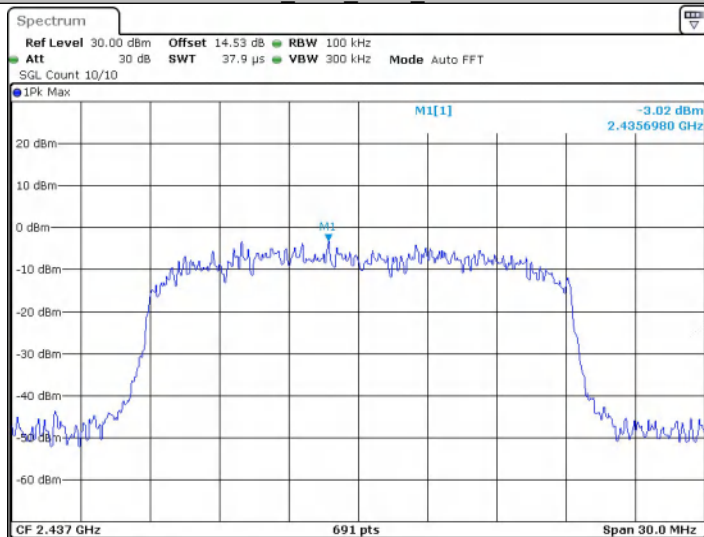


11N20SISO\_Ant1\_2412\_1000~26500



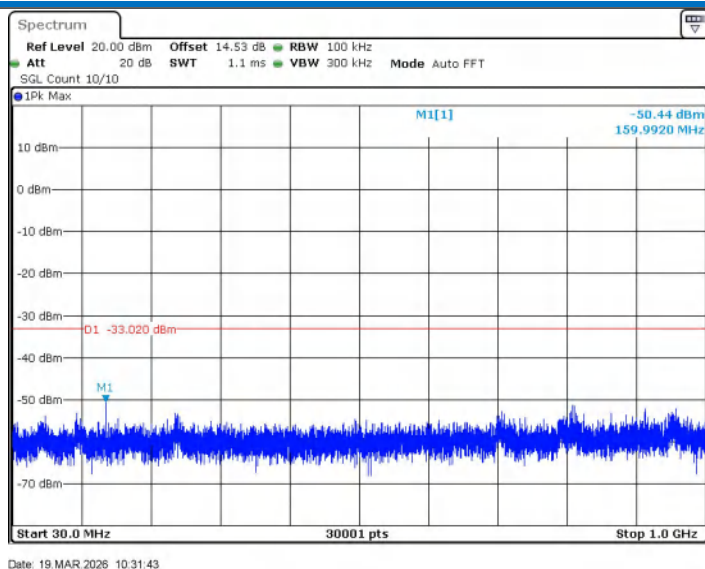
Date: 19 MAR 2026 10:21:29

11N20SISO\_Ant1\_2437\_0~Reference

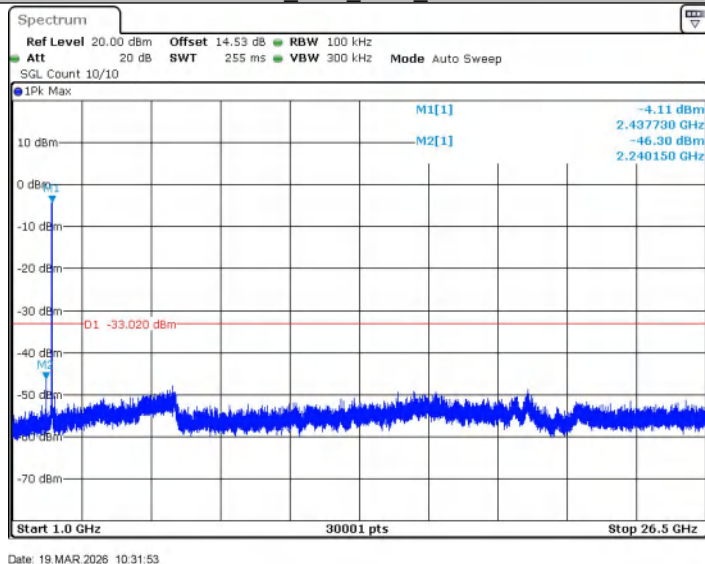


Date: 19 MAR 2026 10:31:38

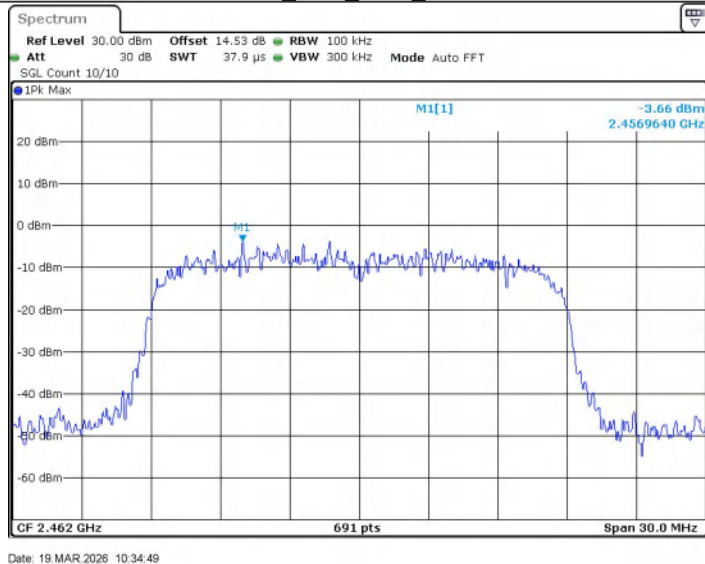
11N20SISO\_Ant1\_2437\_30~1000



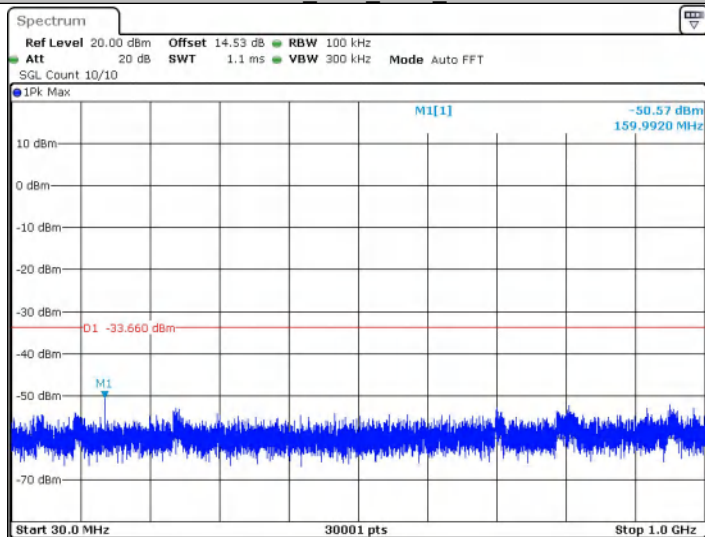
11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference

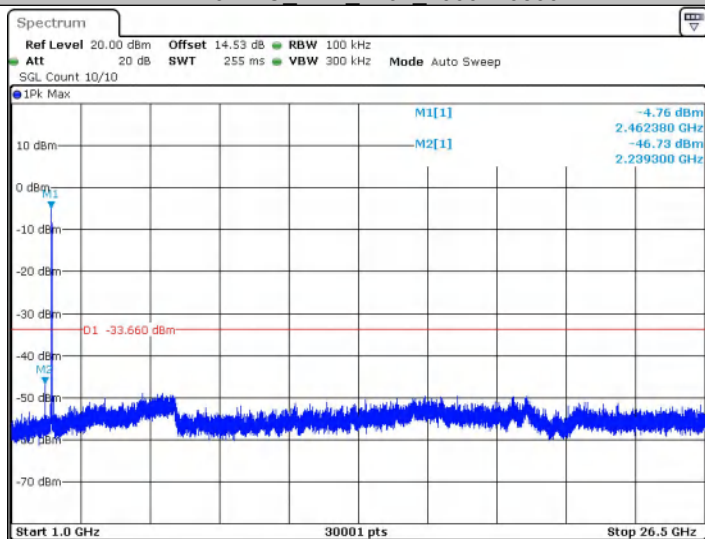


11N20SISO\_Ant1\_2462\_30~1000



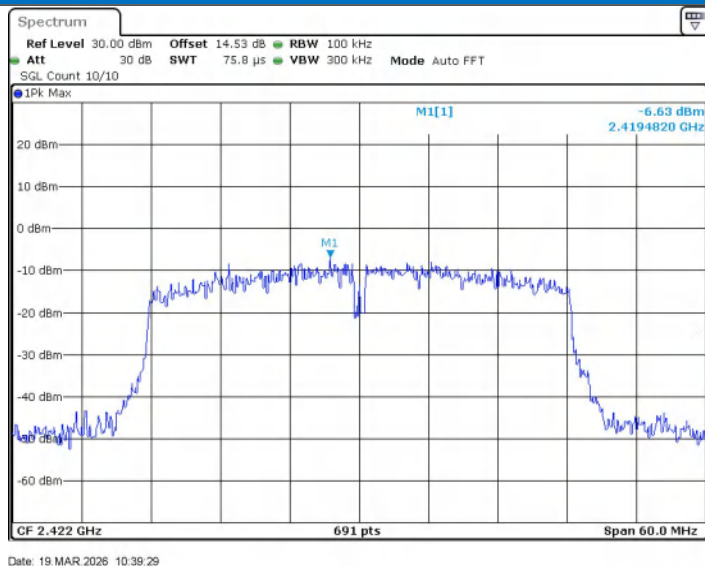
Date: 19 MAR 2026 10:34:54

11N20SISO\_Ant1\_2462\_1000~26500

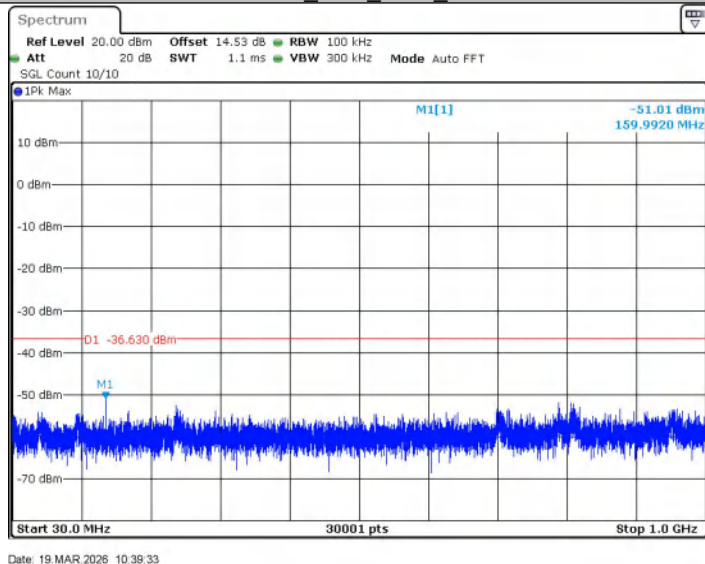


Date: 19 MAR 2026 10:35:05

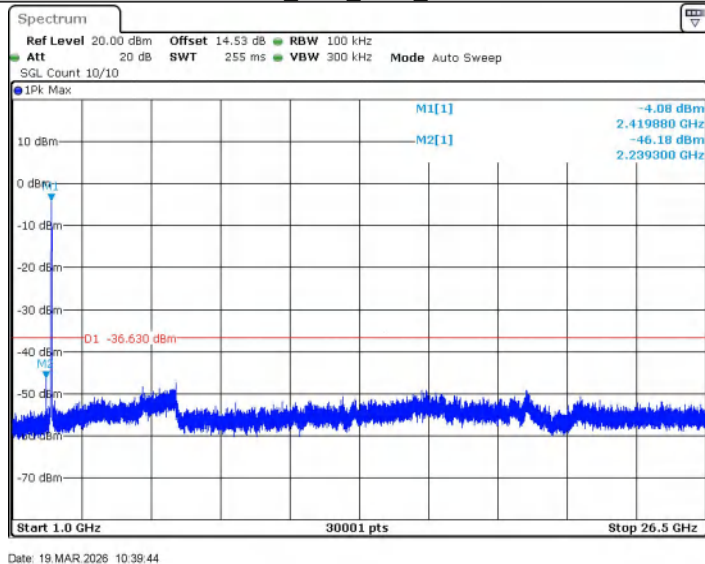
11N40SISO\_Ant1\_2422\_0~Reference



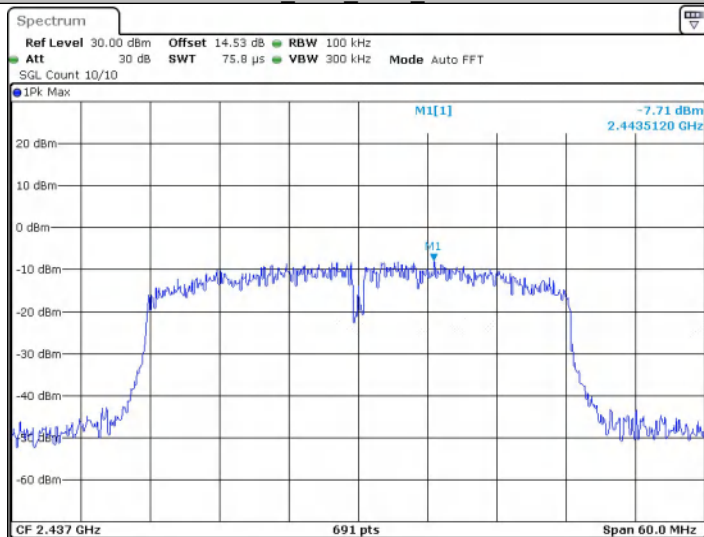
11N40SISO\_Ant1\_2422\_30~1000



11N40SISO\_Ant1\_2422\_1000~26500

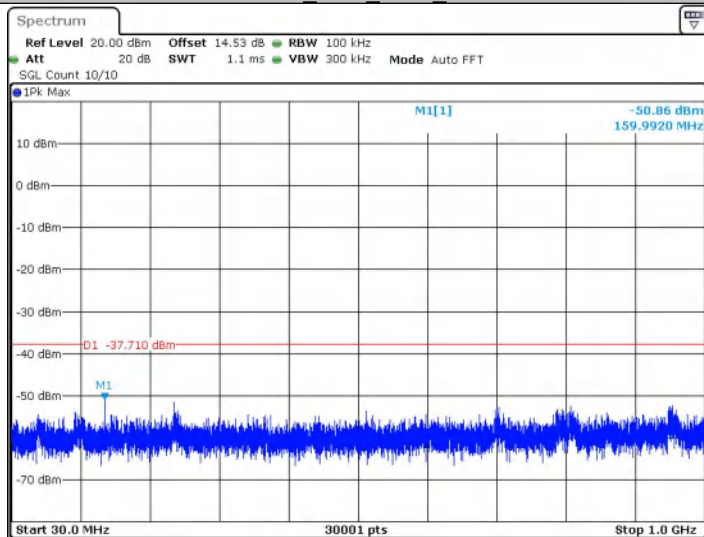


11N40SISO\_Ant1\_2437\_0~Reference



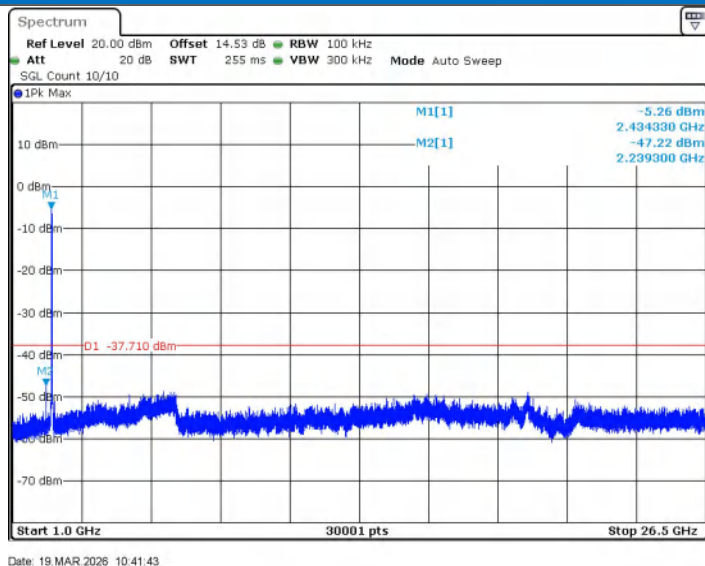
Date: 19 MAR 2026 10:41:28

11N40SISO\_Ant1\_2437\_30~1000

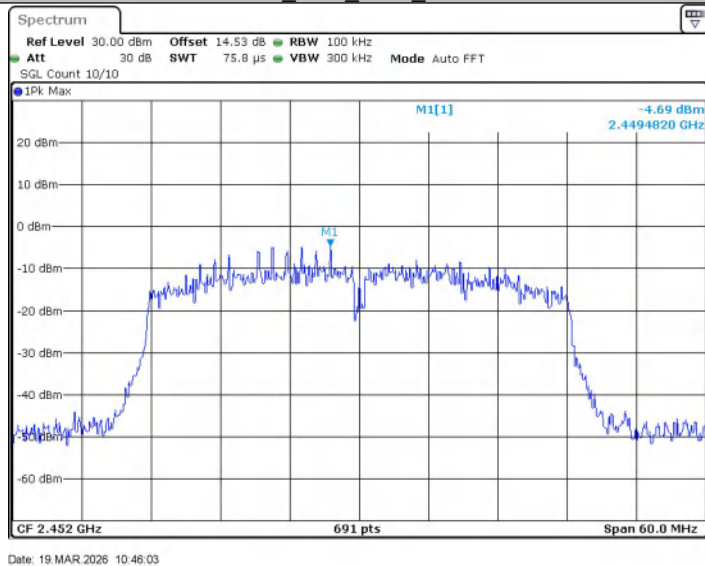


Date: 19 MAR 2026 10:41:33

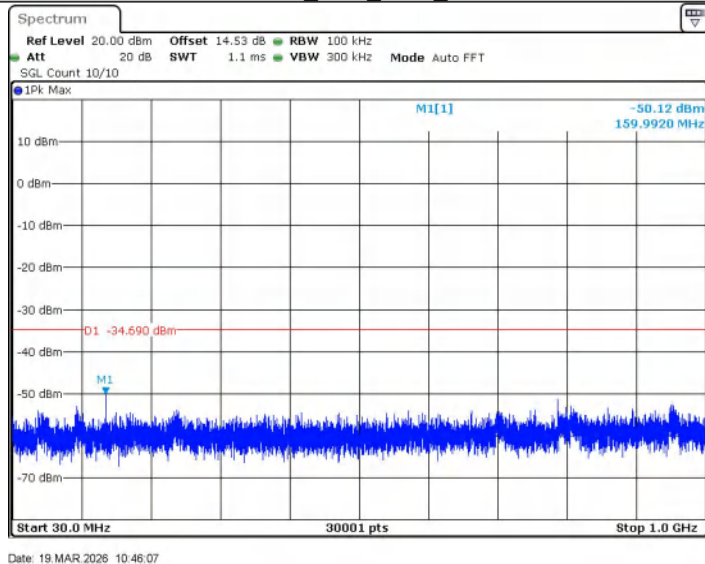
11N40SISO\_Ant1\_2437\_1000~26500

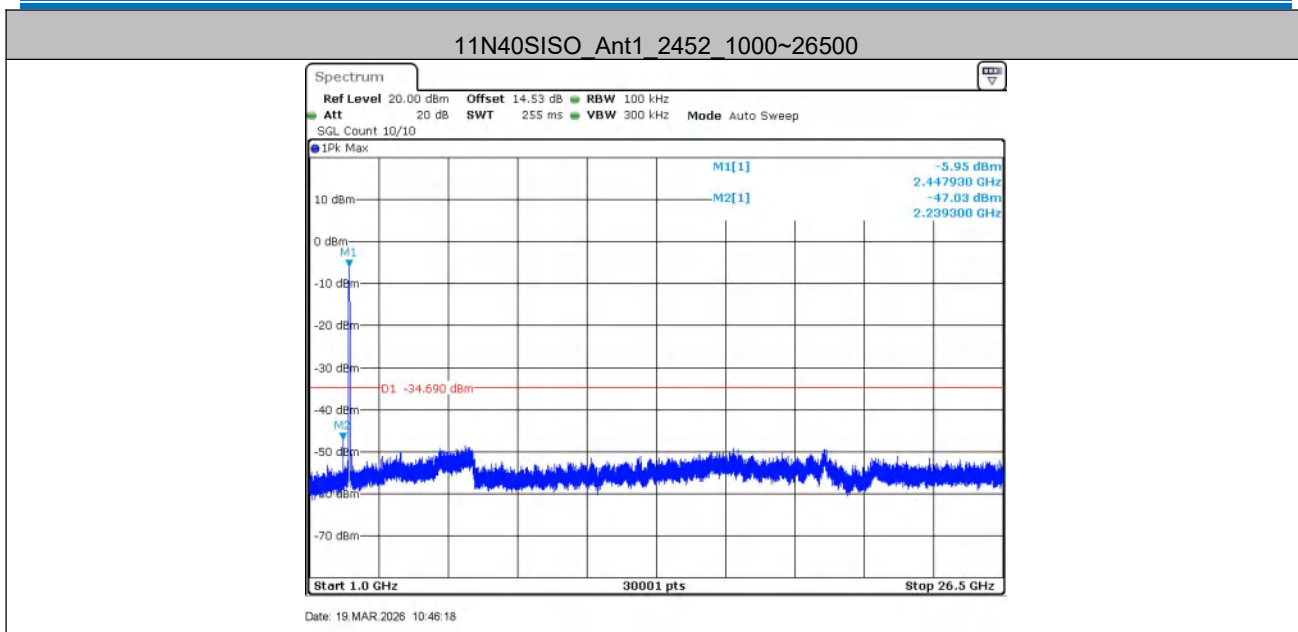


11N40SISO\_Ant1\_2452\_0~Reference



11N40SISO\_Ant1\_2452\_30~1000





Remark:

Pretest 9kHz to 25GHz, find the highest point when testing, so only the worst data were shown in the test report. Per FCC Part 15.33 (a) and 15.31 (o) ,The amplitude of spurious emissions from intentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this part.

## 5.8 Radiated Spurious Emissions

|                   |                                                                                                                                                                                                                                                                             |                                     |                   |            |                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------|------------|-----------------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.209 and 15.205                                                                                                                                                                                                                                   |                                     |                   |            |                             |
| Test Method:      | ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024                                                                                                                                                                                                          |                                     |                   |            |                             |
| Test Site:        | Measurement Distance: 3m (Semi-Anechoic Chamber)                                                                                                                                                                                                                            |                                     |                   |            |                             |
| Receiver Setup:   | Frequency                                                                                                                                                                                                                                                                   | Detector                            | RBW               | VBW        | Remark                      |
|                   | 0.009MHz-0.090MHz                                                                                                                                                                                                                                                           | Peak                                | 10kHz             | 30kHz      | Peak                        |
|                   | 0.009MHz-0.090MHz                                                                                                                                                                                                                                                           | Average                             | 10kHz             | 30kHz      | Average                     |
|                   | 0.090MHz-0.110MHz                                                                                                                                                                                                                                                           | Quasi-peak                          | 10kHz             | 30kHz      | Quasi-peak                  |
|                   | 0.110MHz-0.490MHz                                                                                                                                                                                                                                                           | Peak                                | 10kHz             | 30kHz      | Peak                        |
|                   | 0.110MHz-0.490MHz                                                                                                                                                                                                                                                           | Average                             | 10kHz             | 30kHz      | Average                     |
|                   | 0.490MHz -30MHz                                                                                                                                                                                                                                                             | Quasi-peak                          | 10kHz             | 30kHz      | Quasi-peak                  |
|                   | 30MHz-1GHz                                                                                                                                                                                                                                                                  | Quasi-peak                          | 100 kHz           | 300kHz     | Quasi-peak                  |
|                   | Above 1GHz                                                                                                                                                                                                                                                                  | Peak                                | 1MHz              | 3MHz       | Peak                        |
|                   |                                                                                                                                                                                                                                                                             | Peak                                | 1MHz              | 10Hz       | Average                     |
| Limit:            | Frequency                                                                                                                                                                                                                                                                   | Field strength<br>(microvolt/meter) | Limit<br>(dBuV/m) | Remark     | Measurement<br>distance (m) |
|                   | 0.009MHz-0.490MHz                                                                                                                                                                                                                                                           | 2400/F(kHz)                         | -                 | -          | 300                         |
|                   | 0.490MHz-1.705MHz                                                                                                                                                                                                                                                           | 24000/F(kHz)                        | -                 | -          | 30                          |
|                   | 1.705MHz-30MHz                                                                                                                                                                                                                                                              | 30                                  | -                 | -          | 30                          |
|                   | 30MHz-88MHz                                                                                                                                                                                                                                                                 | 100                                 | 40.0              | Quasi-peak | 3                           |
|                   | 88MHz-216MHz                                                                                                                                                                                                                                                                | 150                                 | 43.5              | Quasi-peak | 3                           |
|                   | 216MHz-960MHz                                                                                                                                                                                                                                                               | 200                                 | 46.0              | Quasi-peak | 3                           |
|                   | 960MHz-1GHz                                                                                                                                                                                                                                                                 | 500                                 | 54.0              | Quasi-peak | 3                           |
|                   | Above 1GHz                                                                                                                                                                                                                                                                  | 500                                 | 54.0              | Average    | 3                           |
|                   | Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device. |                                     |                   |            |                             |

Test Setup:

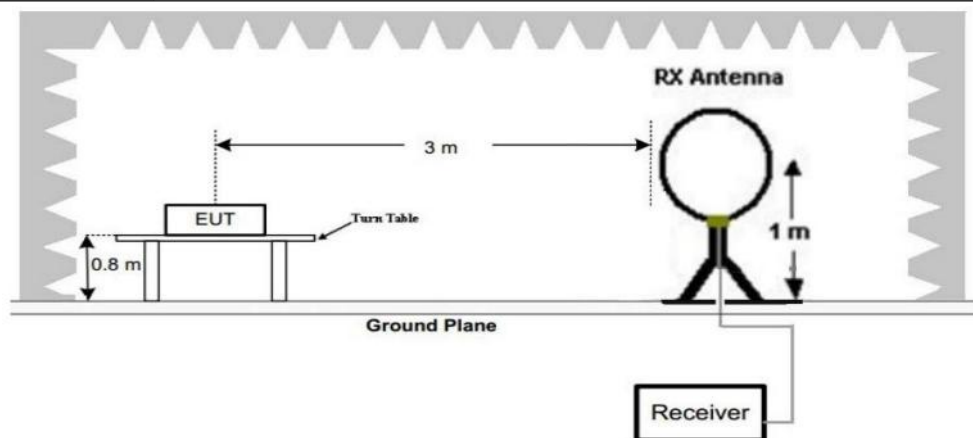


Figure 1. Below 30MHz

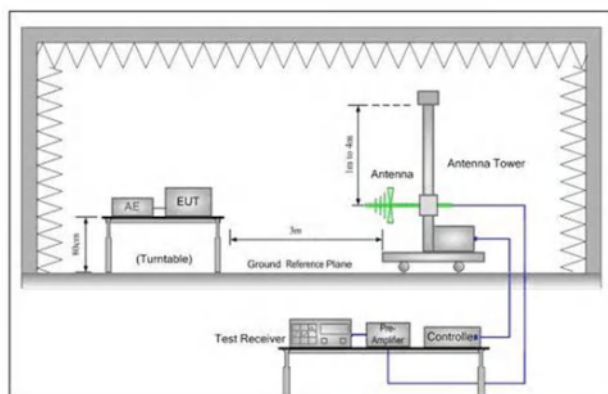


Figure 2. 30MHz to 1GHz

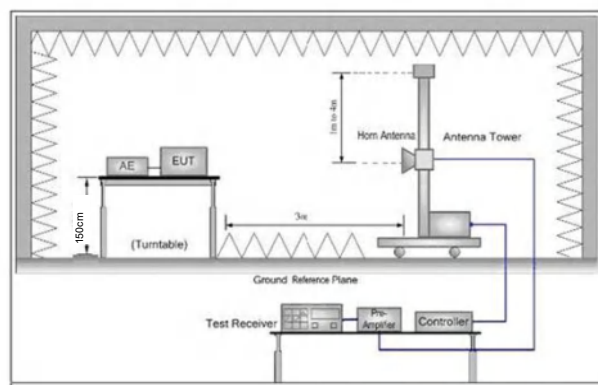


Figure 3. Above 1 GHz

Test Procedure:

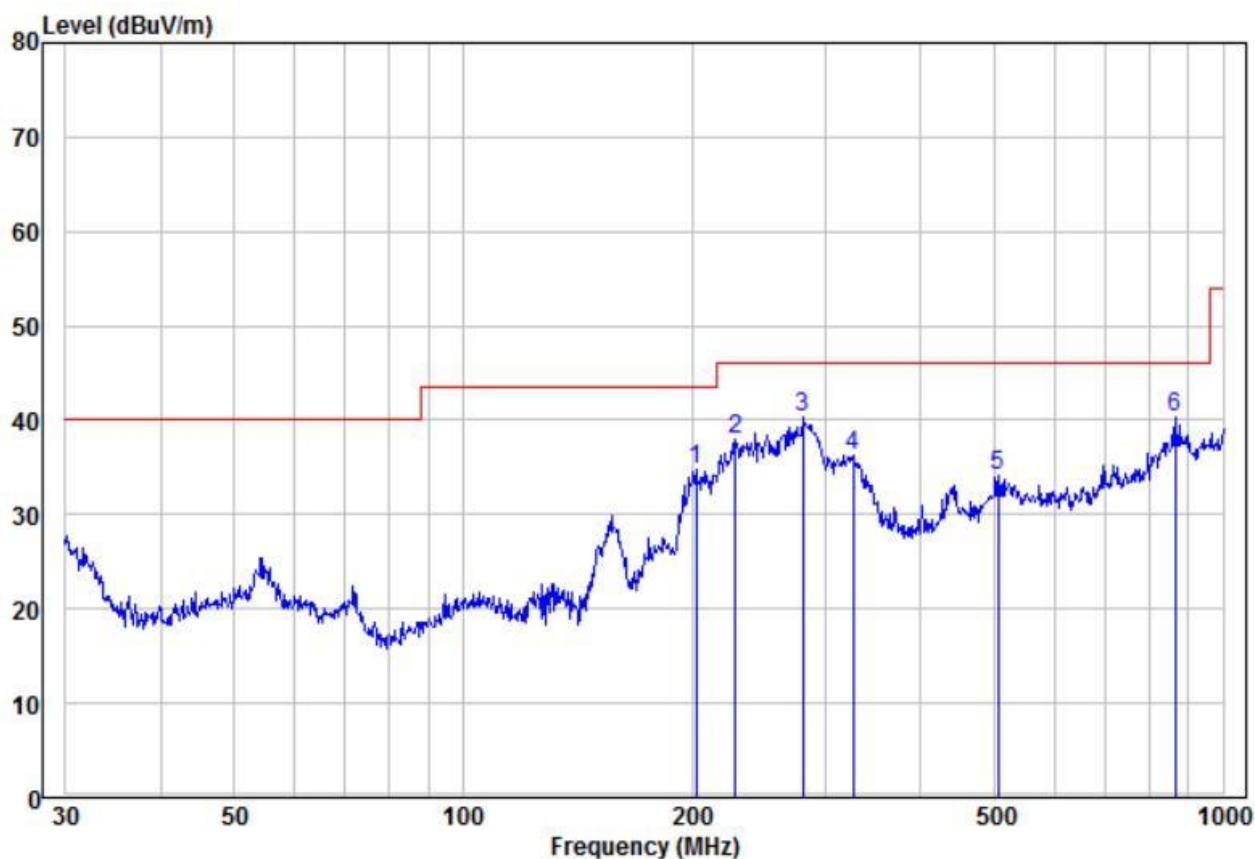
- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.  
2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.  
Note: For the radiated emission test above 1GHz:  
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 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.

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | <p>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.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>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, quasi-peak or average method as specified and then reported in a data sheet.</p> <p>g. Test the EUT in the lowest channel, the middle channel, the Highest channel.</p> <p>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case .</p> <p>i. Repeat above procedures until all frequencies measured was complete.</p> |
| Exploratory Test Mode: | Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Final Test Mode:       | Only the worst case is recorded in the report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### 5.8.1 Radiated emission below 1GHz

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

F9101W



|      | Read Freq | Level | Factor | Level  | Limit  | Over   | Remark | Pol/Phase |
|------|-----------|-------|--------|--------|--------|--------|--------|-----------|
|      | MHz       | dBuV  | dB/m   | dBuV/m | dBuV/m | dB     |        |           |
| 1    | 202.81    | 22.32 | 12.40  | 34.72  | 43.50  | -8.78  | Peak   | VERTICAL  |
| 2    | 228.49    | 23.90 | 13.97  | 37.87  | 46.00  | -8.13  | Peak   | VERTICAL  |
| 3 pp | 280.02    | 23.92 | 16.41  | 40.33  | 46.00  | -5.67  | Peak   | VERTICAL  |
| 4    | 325.60    | 18.71 | 17.52  | 36.23  | 46.00  | -9.77  | Peak   | VERTICAL  |
| 5    | 506.48    | 13.20 | 21.02  | 34.22  | 46.00  | -11.78 | Peak   | VERTICAL  |
| 6    | 866.09    | 11.51 | 28.73  | 40.24  | 46.00  | -5.76  | Peak   | VERTICAL  |

Remark:

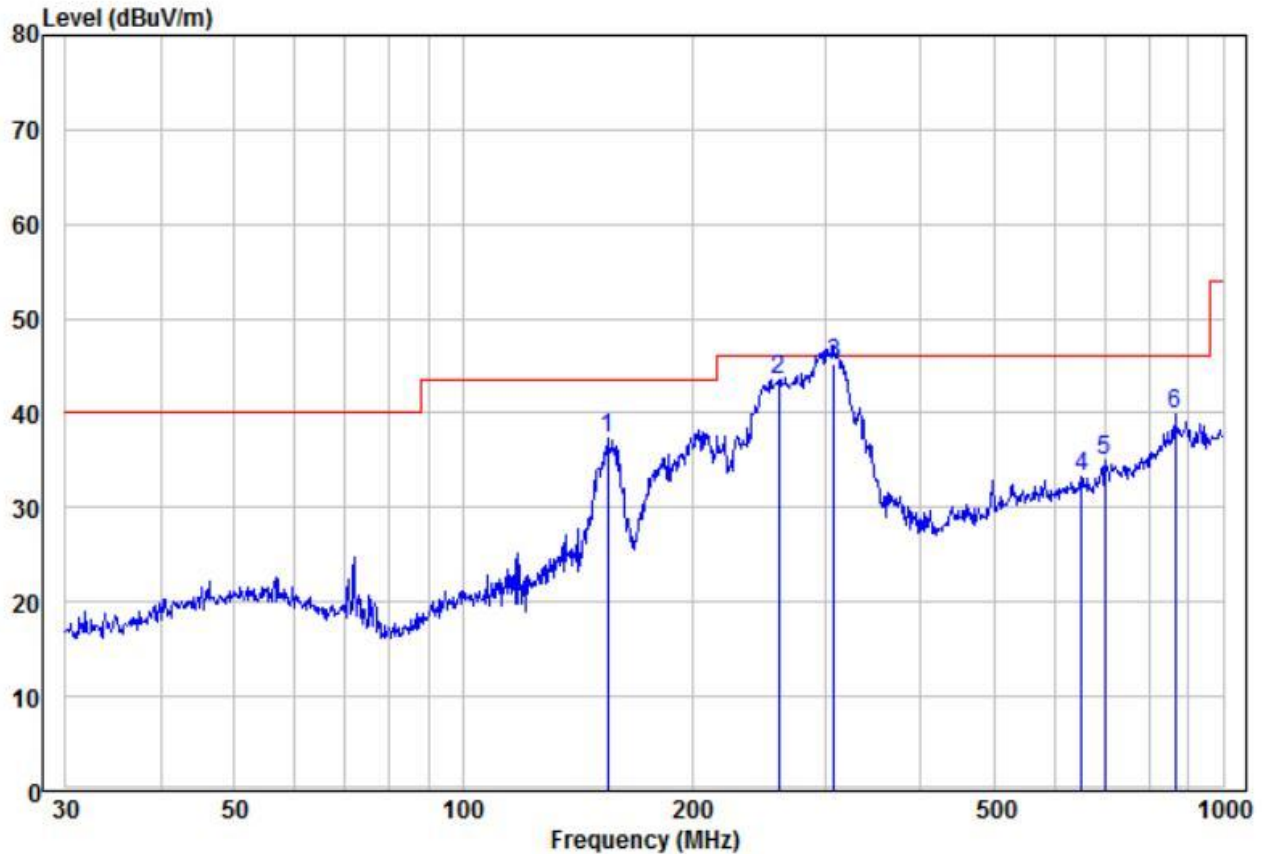
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

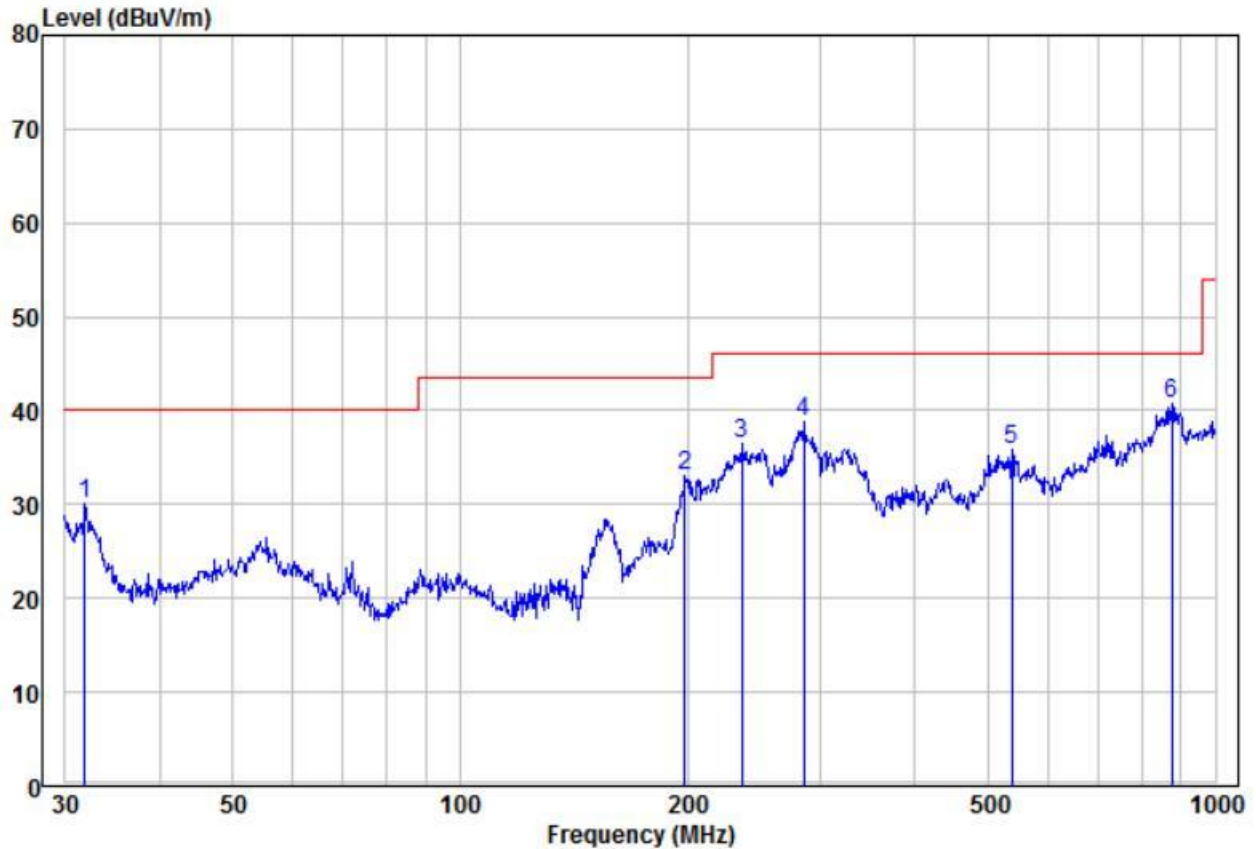
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase  |
|------|--------|------------|--------|--------|------------|------------|--------|------------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |            |
| 1    | 154.82 | 28.39      | 8.96   | 37.35  | 43.50      | -6.15      | Peak   | HORIZONTAL |
| 2 pk | 260.14 | 27.53      | 15.95  | 43.48  | 46.00      | -2.52      | Peak   | HORIZONTAL |
| 3 pp | 307.83 | 28.10      | 17.07  | 45.17  | 46.00      | -0.83      | QP     | HORIZONTAL |
| 4    | 651.94 | 10.48      | 22.84  | 33.32  | 46.00      | -12.68     | Peak   | HORIZONTAL |
| 5    | 699.30 | 11.17      | 23.74  | 34.91  | 46.00      | -11.09     | Peak   | HORIZONTAL |
| 6    | 866.09 | 11.10      | 28.73  | 39.83  | 46.00      | -6.17      | Peak   | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

JP01



|      | Read Freq | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase |
|------|-----------|------------|--------|--------|------------|------------|--------|-----------|
|      | MHz       | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |           |
| 1    | 31.84     | 21.63      | 8.40   | 30.03  | 40.00      | -9.97      | Peak   | VERTICAL  |
| 2    | 198.59    | 20.95      | 12.18  | 33.13  | 43.50      | -10.37     | Peak   | VERTICAL  |
| 3    | 235.82    | 21.59      | 14.79  | 36.38  | 46.00      | -9.62      | Peak   | VERTICAL  |
| 4    | 284.98    | 22.22      | 16.52  | 38.74  | 46.00      | -7.26      | Peak   | VERTICAL  |
| 5    | 537.59    | 14.37      | 21.44  | 35.81  | 46.00      | -10.19     | Peak   | VERTICAL  |
| 6 pp | 875.25    | 11.83      | 28.88  | 40.71  | 46.00      | -5.29      | Peak   | VERTICAL  |

Remark:

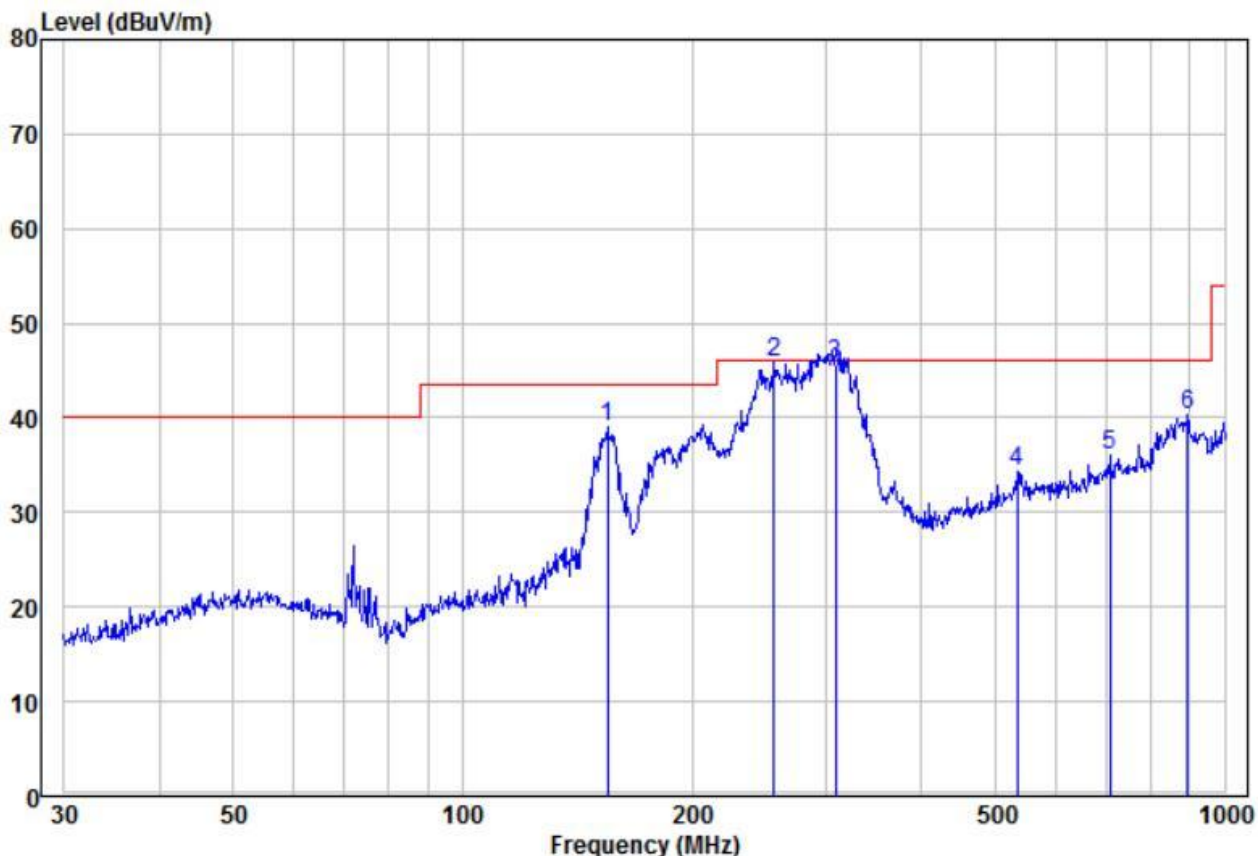
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

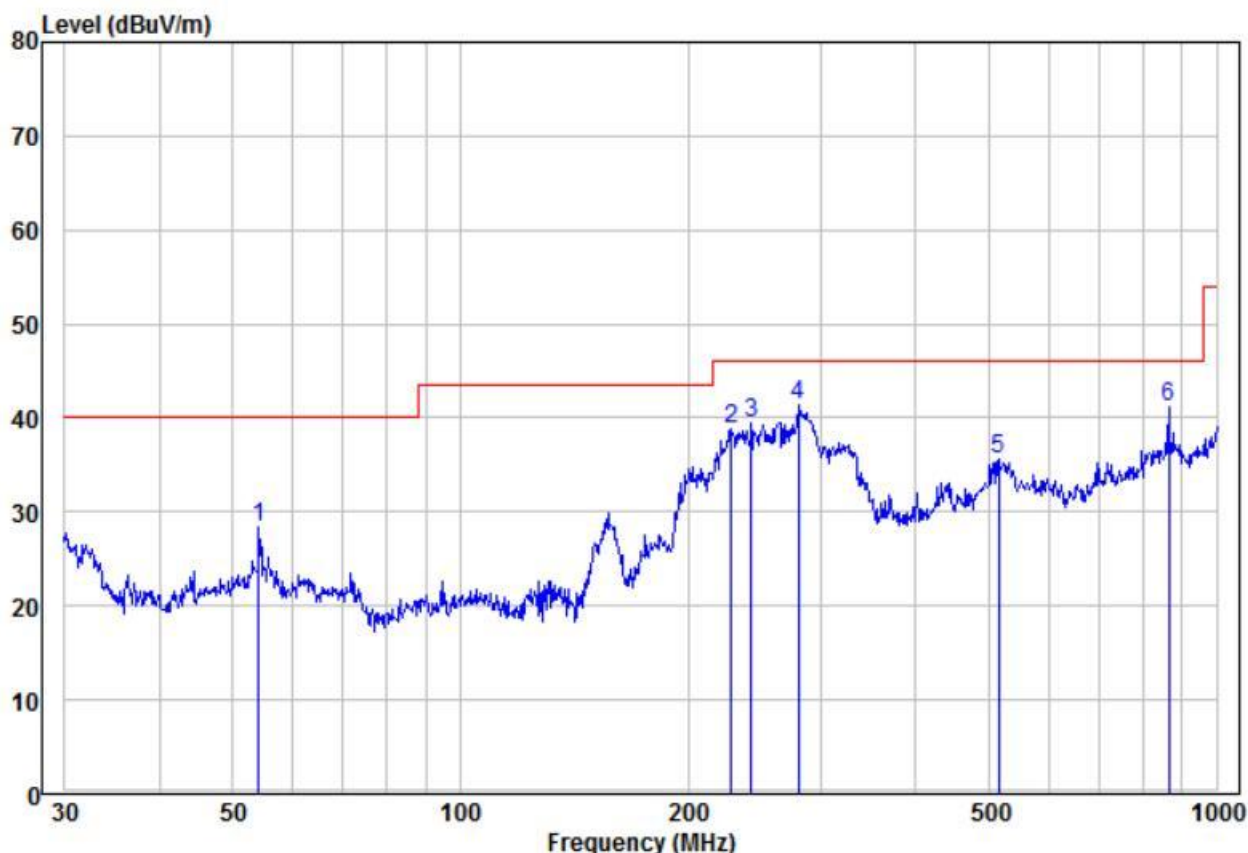
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase  |
|------|--------|------------|--------|--------|------------|------------|--------|------------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |            |
| 1    | 154.82 | 30.09      | 8.96   | 39.05  | 43.50      | -4.45      | Peak   | HORIZONTAL |
| 2 pp | 256.52 | 29.93      | 15.87  | 45.80  | 46.00      | -0.20      | Peak   | HORIZONTAL |
| 3 qp | 308.91 | 28.50      | 17.10  | 45.60  | 46.00      | -0.40      | QP     | HORIZONTAL |
| 4    | 533.83 | 13.05      | 21.39  | 34.44  | 46.00      | -11.56     | Peak   | HORIZONTAL |
| 5    | 706.70 | 12.25      | 23.82  | 36.07  | 46.00      | -9.93      | Peak   | HORIZONTAL |
| 6    | 893.86 | 11.11      | 29.20  | 40.31  | 46.00      | -5.69      | Peak   | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

TY01



|      | Read Freq | Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase |
|------|-----------|-------|--------|--------|------------|------------|--------|-----------|
|      | MHz       | dBuV  | dB/m   | dBuV/m | dBuV/m     | dB         |        |           |
| 1    | 54.07     | 15.66 | 12.77  | 28.43  | 40.00      | -11.57     | Peak   | VERTICAL  |
| 2    | 228.49    | 24.90 | 13.97  | 38.87  | 46.00      | -7.13      | Peak   | VERTICAL  |
| 3    | 242.53    | 24.10 | 15.42  | 39.52  | 46.00      | -6.48      | Peak   | VERTICAL  |
| 4 pp | 280.02    | 24.92 | 16.41  | 41.33  | 46.00      | -4.67      | Peak   | VERTICAL  |
| 5    | 515.44    | 14.59 | 21.14  | 35.73  | 46.00      | -10.27     | Peak   | VERTICAL  |
| 6    | 866.09    | 12.51 | 28.73  | 41.24  | 46.00      | -4.76      | Peak   | VERTICAL  |

Remark:

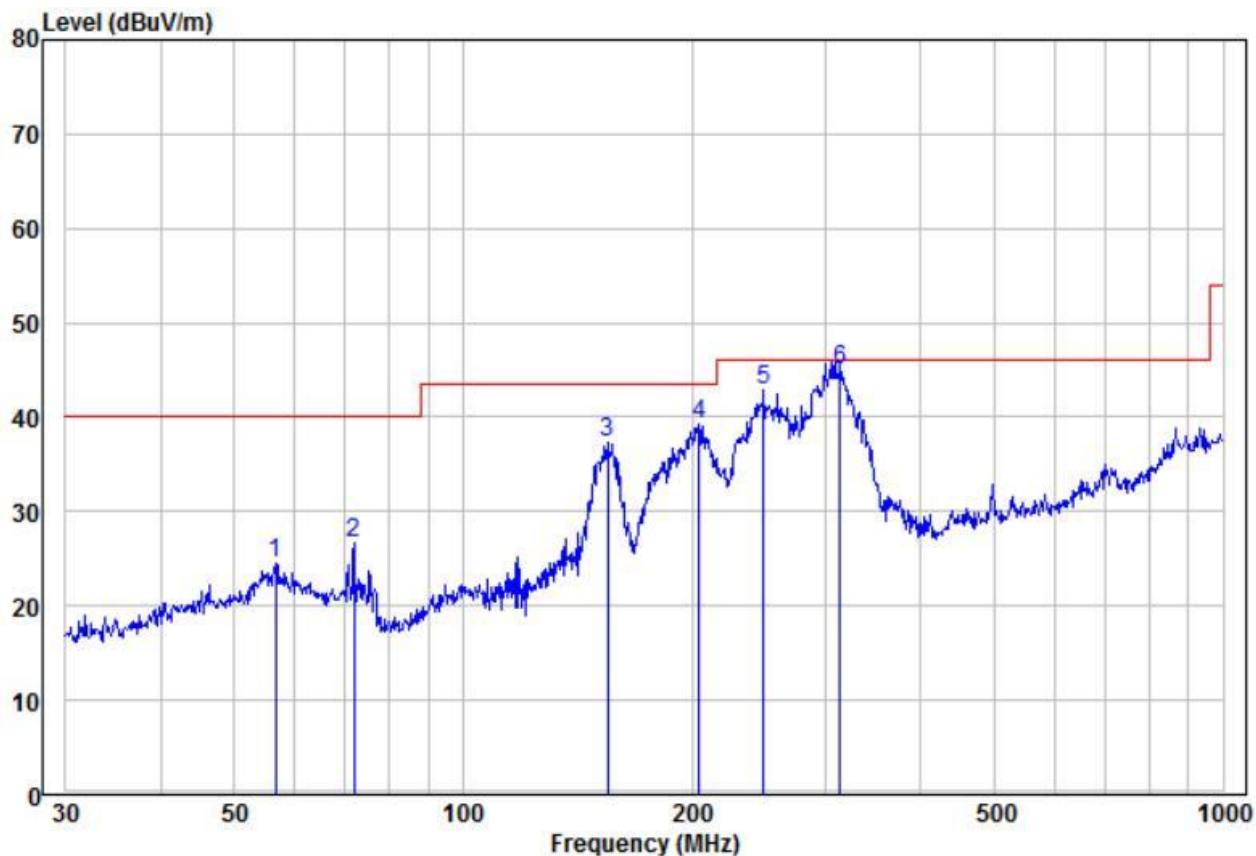
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

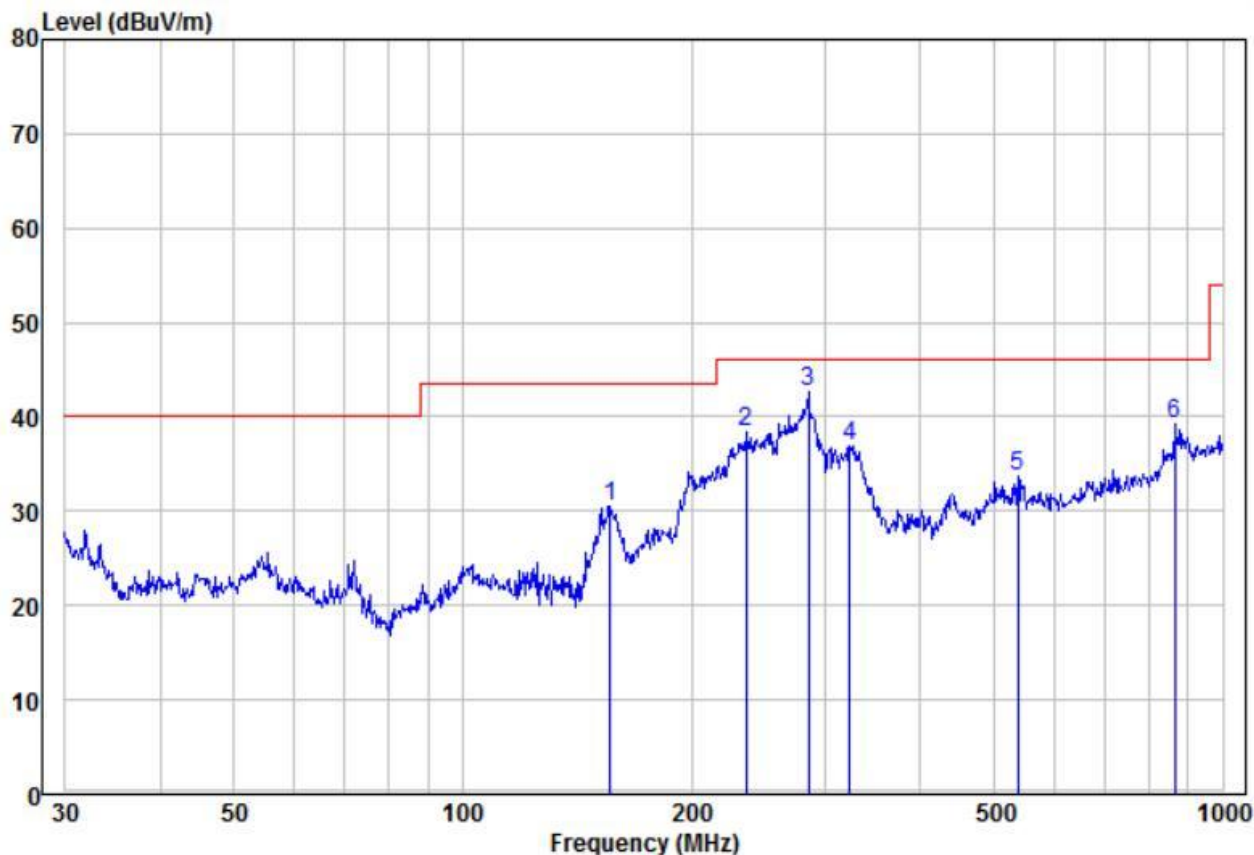
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Read   |        |        | Limit  | Over  |             |            |
|------|--------|--------|--------|--------|-------|-------------|------------|
| Freq | Level  | Factor | Level  | Line   | Limit | Remark      | Pol/Phase  |
| MHz  | dBuV   | dB/m   | dBuV/m | dBuV/m | dB    |             |            |
| 1    | 56.59  | 11.99  | 12.59  | 24.58  | 40.00 | -15.42 Peak | HORIZONTAL |
| 2    | 71.83  | 17.39  | 9.27   | 26.66  | 40.00 | -13.34 Peak | HORIZONTAL |
| 3    | 154.82 | 28.39  | 8.96   | 37.35  | 43.50 | -6.15 Peak  | HORIZONTAL |
| 4    | 204.24 | 26.85  | 12.44  | 39.29  | 43.50 | -4.21 Peak  | HORIZONTAL |
| 5 pk | 248.55 | 27.17  | 15.68  | 42.85  | 46.00 | -3.15 Peak  | HORIZONTAL |
| 6 pp | 313.28 | 27.90  | 17.21  | 45.11  | 46.00 | -0.89 QP    | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

TY02



|      | Read<br>Freq | Level | Factor | Level  | Limit<br>Line | Over<br>Limit | Remark | Pol/Phase |
|------|--------------|-------|--------|--------|---------------|---------------|--------|-----------|
|      | MHz          | dBuV  | dB/m   | dBuV/m | dBuV/m        | dB            |        |           |
| 1    | 156.46       | 21.41 | 9.03   | 30.44  | 43.50         | -13.06        | Peak   | VERTICAL  |
| 2    | 235.82       | 23.59 | 14.79  | 38.38  | 46.00         | -7.62         | Peak   | VERTICAL  |
| 3 pp | 284.98       | 26.22 | 16.52  | 42.74  | 46.00         | -3.26         | Peak   | VERTICAL  |
| 4    | 323.32       | 19.39 | 17.46  | 36.85  | 46.00         | -9.15         | Peak   | VERTICAL  |
| 5    | 537.59       | 12.37 | 21.44  | 33.81  | 46.00         | -12.19        | Peak   | VERTICAL  |
| 6    | 866.09       | 10.62 | 28.73  | 39.35  | 46.00         | -6.65         | Peak   | VERTICAL  |

Remark:

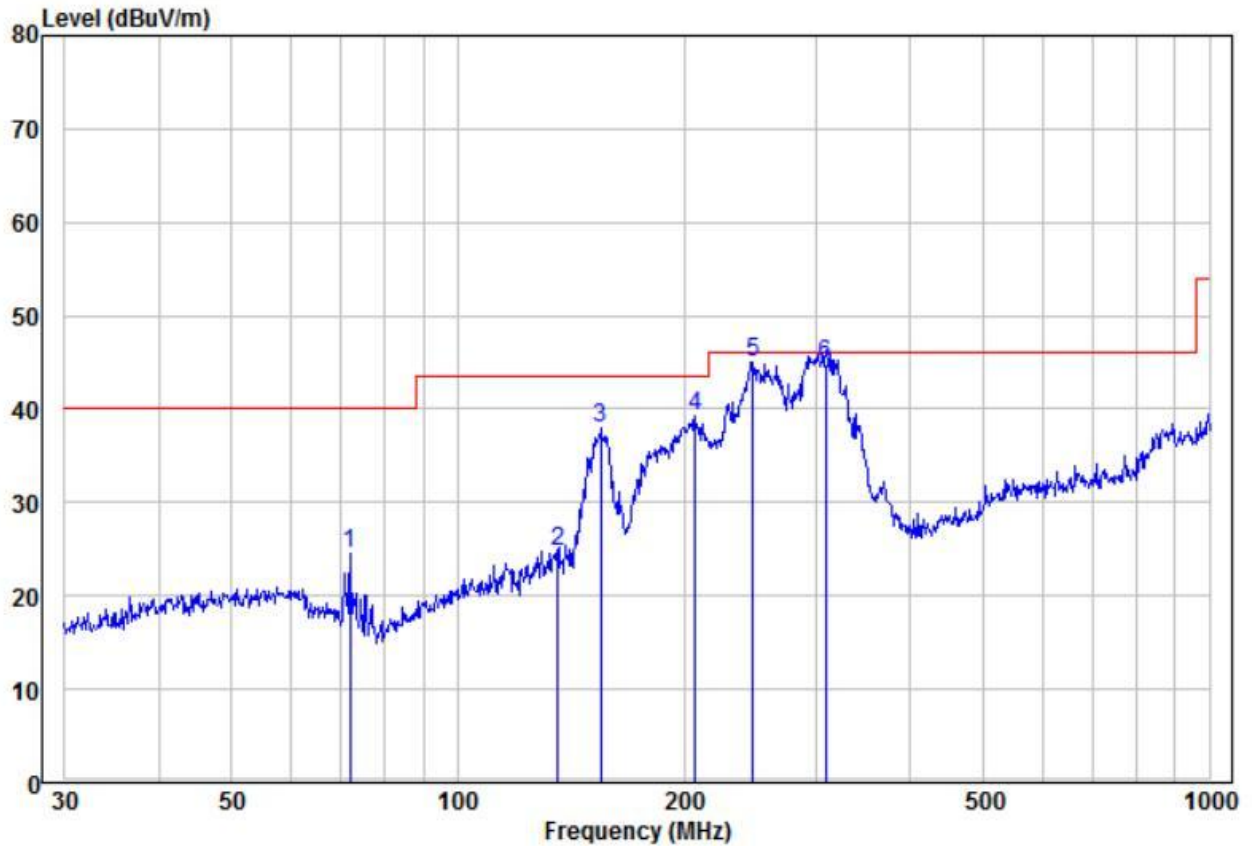
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

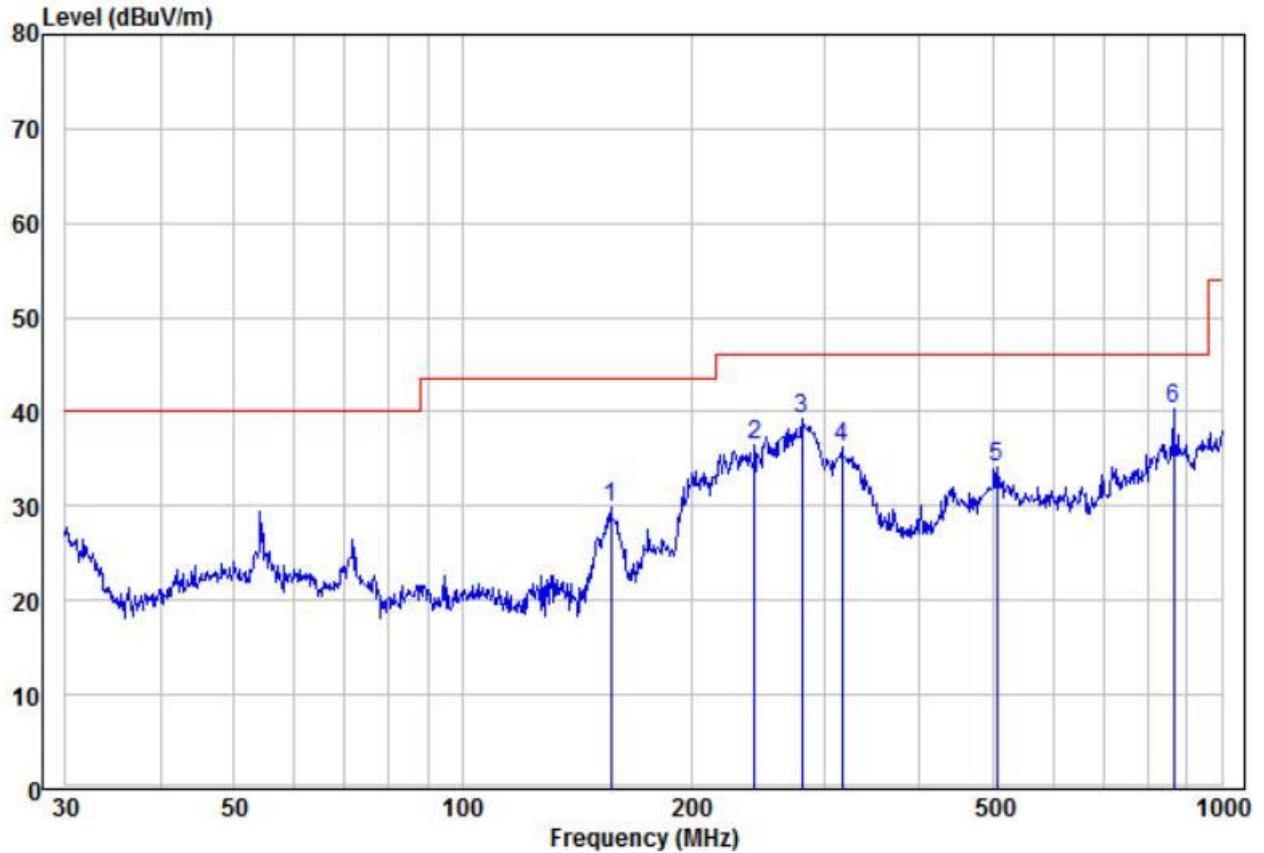
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase  |
|------|--------|------------|--------|--------|------------|------------|--------|------------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |            |
| 1    | 71.83  | 15.20      | 9.27   | 24.47  | 40.00      | -15.53     | Peak   | HORIZONTAL |
| 2    | 135.98 | 16.19      | 8.52   | 24.71  | 43.50      | -18.79     | Peak   | HORIZONTAL |
| 3    | 154.82 | 29.09      | 8.96   | 38.05  | 43.50      | -5.45      | Peak   | HORIZONTAL |
| 4    | 207.12 | 26.71      | 12.52  | 39.23  | 43.50      | -4.27      | Peak   | HORIZONTAL |
| 5 pp | 246.81 | 29.46      | 15.63  | 45.09  | 46.00      | -0.91      | Peak   | HORIZONTAL |
| 6 qp | 308.91 | 27.80      | 17.10  | 44.90  | 46.00      | -1.10      | QP     | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

FD01-B



|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase |
|------|--------|------------|--------|--------|------------|------------|--------|-----------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |           |
| 1    | 157.01 | 20.73      | 9.05   | 29.78  | 43.50      | -13.72     | Peak   | VERTICAL  |
| 2    | 242.53 | 21.10      | 15.42  | 36.52  | 46.00      | -9.48      | Peak   | VERTICAL  |
| 3    | 280.02 | 22.92      | 16.41  | 39.33  | 46.00      | -6.67      | Peak   | VERTICAL  |
| 4    | 316.59 | 19.02      | 17.29  | 36.31  | 46.00      | -9.69      | Peak   | VERTICAL  |
| 5    | 506.48 | 13.20      | 21.02  | 34.22  | 46.00      | -11.78     | Peak   | VERTICAL  |
| 6 pp | 866.09 | 11.51      | 28.73  | 40.24  | 46.00      | -5.76      | Peak   | VERTICAL  |

Remark:

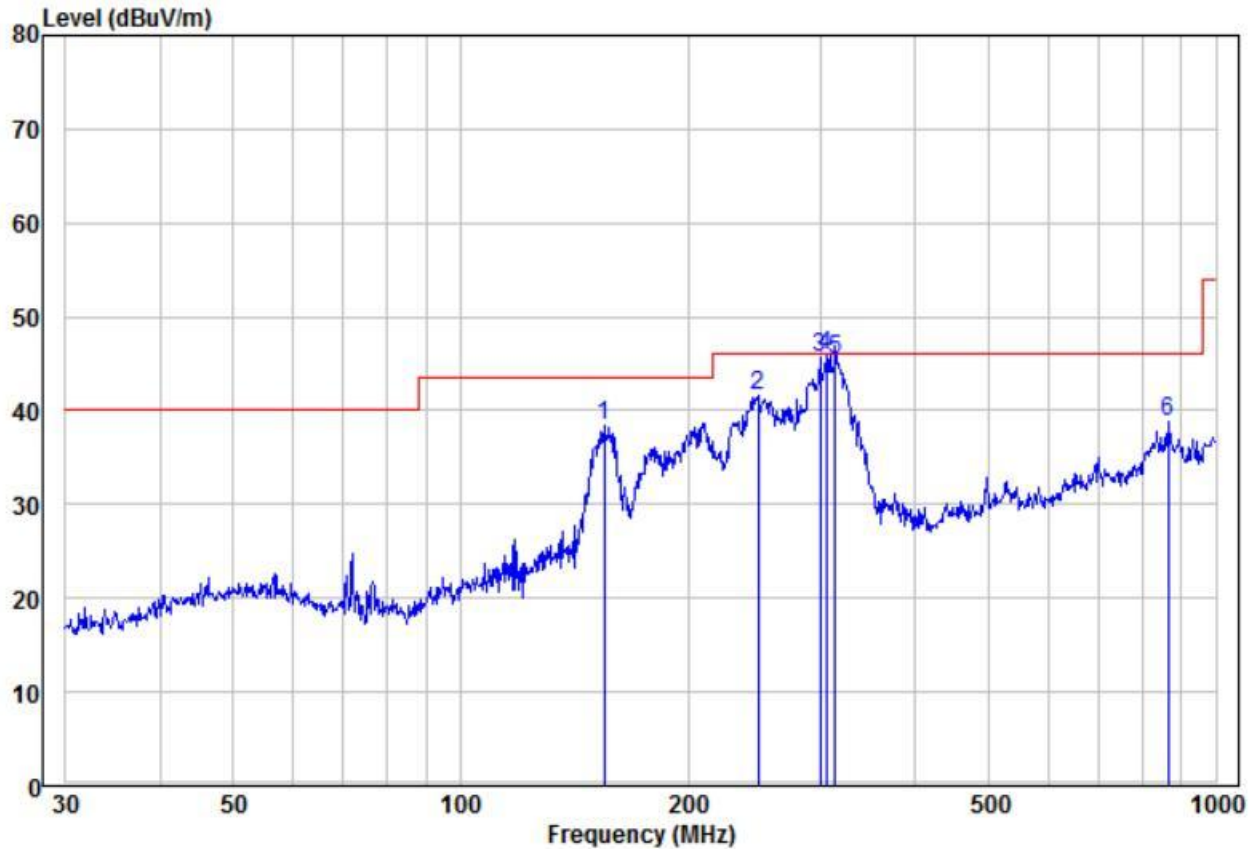
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

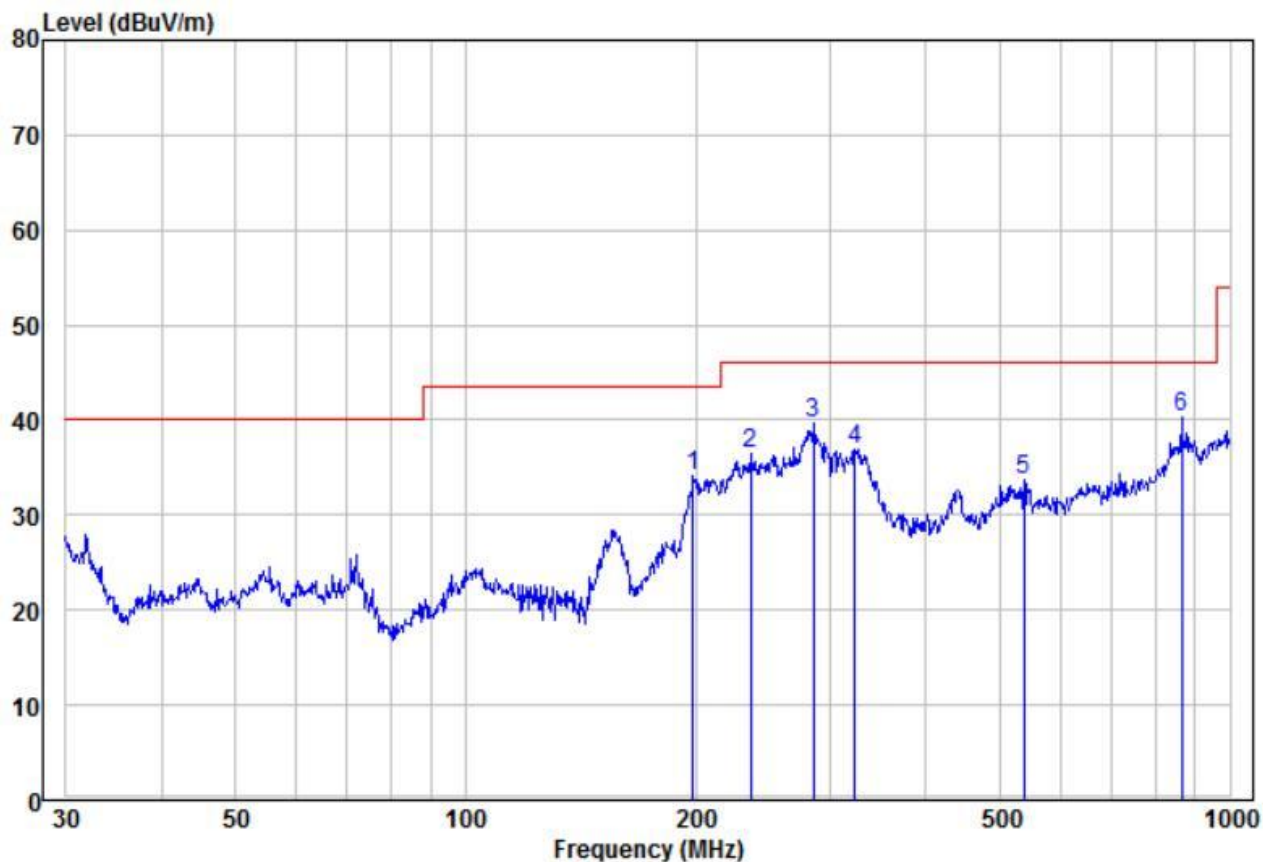
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Freq   | Read Level | Factor | Level  | Limit  | Over  | Remark | Pol/Phase  |
|------|--------|------------|--------|--------|--------|-------|--------|------------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m | dB    |        |            |
| 1    | 154.82 | 29.39      | 8.96   | 38.35  | 43.50  | -5.15 | Peak   | HORIZONTAL |
| 2    | 247.68 | 25.99      | 15.66  | 41.65  | 46.00  | -4.35 | Peak   | HORIZONTAL |
| 3    | 299.32 | 28.87      | 16.86  | 45.73  | 46.00  | -0.27 | Peak   | HORIZONTAL |
| 4 pp | 304.61 | 28.80      | 16.99  | 45.79  | 46.00  | -0.21 | Peak   | HORIZONTAL |
| 5 qp | 313.28 | 28.20      | 17.21  | 45.41  | 46.00  | -0.59 | QP     | HORIZONTAL |
| 6    | 866.09 | 10.10      | 28.73  | 38.83  | 46.00  | -7.17 | Peak   | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

F9090W



|      | Freq   | Read  |        | Limit  | Over   |        |           |
|------|--------|-------|--------|--------|--------|--------|-----------|
|      | MHz    | Level | Factor | Level  | Line   | Limit  | Remark    |
|      | MHz    | dBuV  | dB/m   | dBuV/m | dBuV/m | dB     | Pol/Phase |
| 1    | 198.59 | 21.95 | 12.18  | 34.13  | 43.50  | -9.37  | Peak      |
| 2    | 235.82 | 21.59 | 14.79  | 36.38  | 46.00  | -9.62  | Peak      |
| 3    | 284.98 | 23.22 | 16.52  | 39.74  | 46.00  | -6.26  | Peak      |
| 4    | 323.32 | 19.39 | 17.46  | 36.85  | 46.00  | -9.15  | Peak      |
| 5    | 537.59 | 12.37 | 21.44  | 33.81  | 46.00  | -12.19 | Peak      |
| 6 pp | 866.09 | 11.62 | 28.73  | 40.35  | 46.00  | -5.65  | Peak      |

Remark:

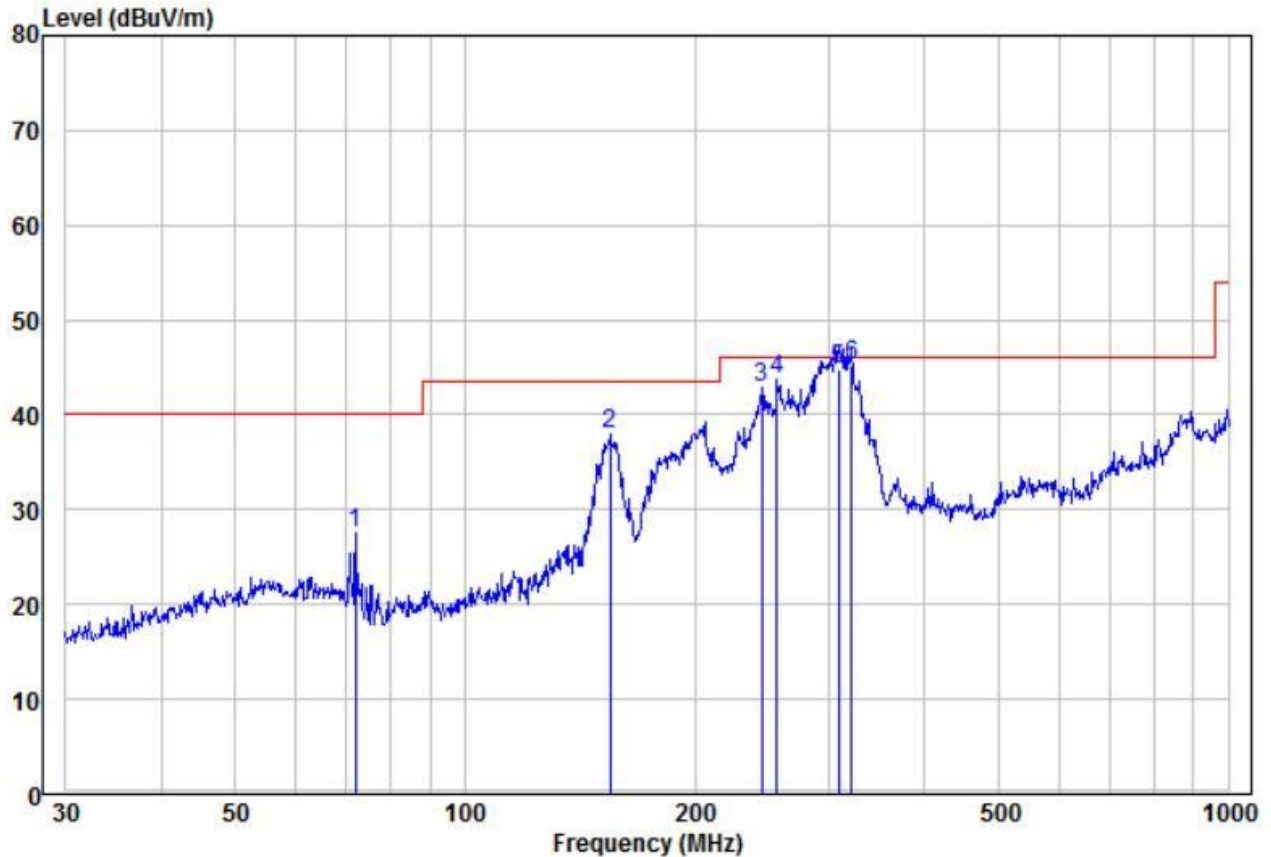
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

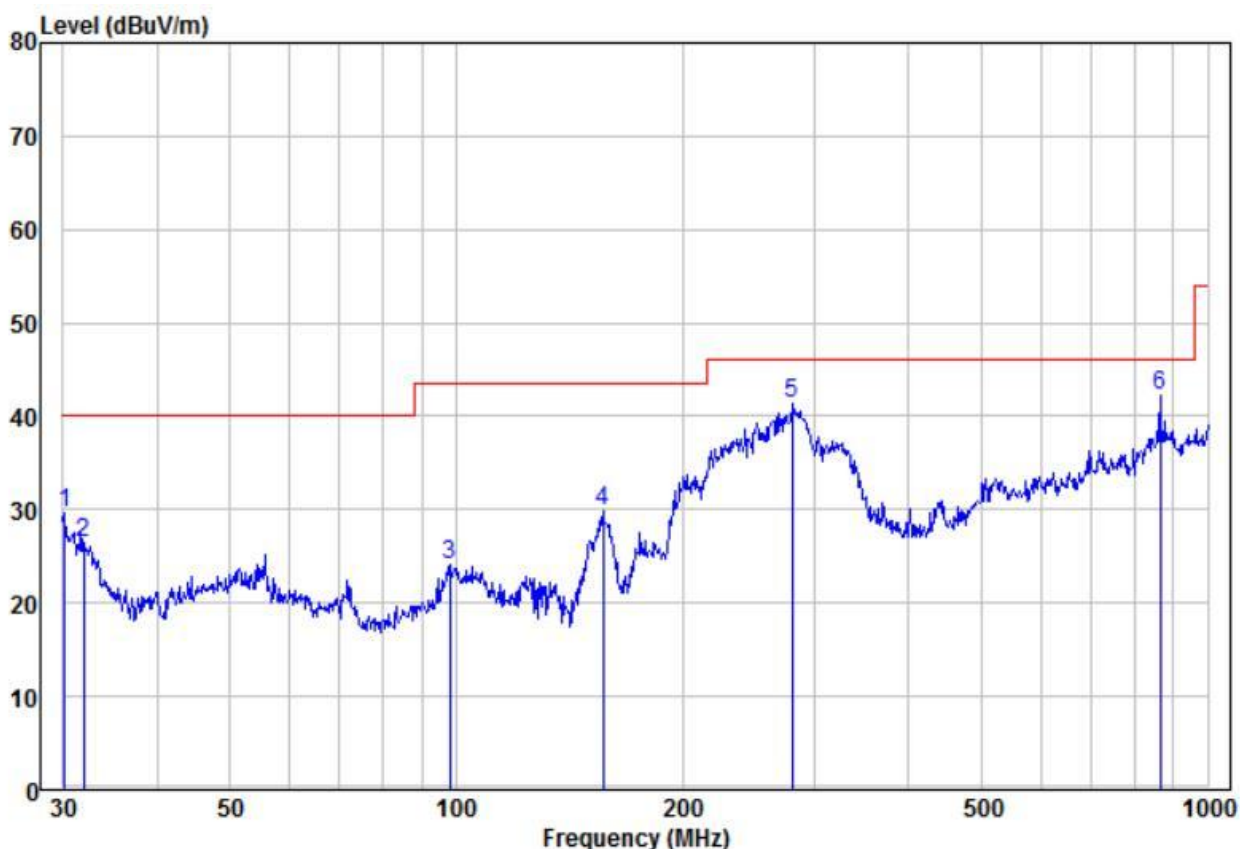
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Read   |        |        | Limit  | Over  |             |            |
|------|--------|--------|--------|--------|-------|-------------|------------|
| Freq | Level  | Factor | Level  | Line   | Limit | Remark      | Pol/Phase  |
| MHz  | dBuV   | dB/m   | dBuV/m | dBuV/m | dB    |             |            |
| 1    | 71.83  | 18.20  | 9.27   | 27.47  | 40.00 | -12.53 Peak | HORIZONTAL |
| 2    | 154.82 | 29.09  | 8.96   | 38.05  | 43.50 | -5.45 Peak  | HORIZONTAL |
| 3    | 245.09 | 27.34  | 15.58  | 42.92  | 46.00 | -3.08 Peak  | HORIZONTAL |
| 4 pk | 256.52 | 27.93  | 15.87  | 43.80  | 46.00 | -2.20 Peak  | HORIZONTAL |
| 5    | 308.91 | 27.70  | 17.10  | 44.80  | 46.00 | -1.20 QP    | HORIZONTAL |
| 6 pp | 321.06 | 27.80  | 17.40  | 45.20  | 46.00 | -0.80 QP    | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

F9210W



|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase |
|------|--------|------------|--------|--------|------------|------------|--------|-----------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |           |
| 1    | 30.11  | 21.58      | 8.12   | 29.70  | 40.00      | -10.30     | Peak   | VERTICAL  |
| 2    | 31.95  | 18.11      | 8.44   | 26.55  | 40.00      | -13.45     | Peak   | VERTICAL  |
| 3    | 98.14  | 12.45      | 11.57  | 24.02  | 43.50      | -19.48     | Peak   | VERTICAL  |
| 4    | 157.01 | 20.73      | 9.05   | 29.78  | 43.50      | -13.72     | Peak   | VERTICAL  |
| 5    | 280.02 | 24.92      | 16.41  | 41.33  | 46.00      | -4.67      | Peak   | VERTICAL  |
| 6 pp | 866.09 | 13.51      | 28.73  | 42.24  | 46.00      | -3.76      | Peak   | VERTICAL  |

Remark:

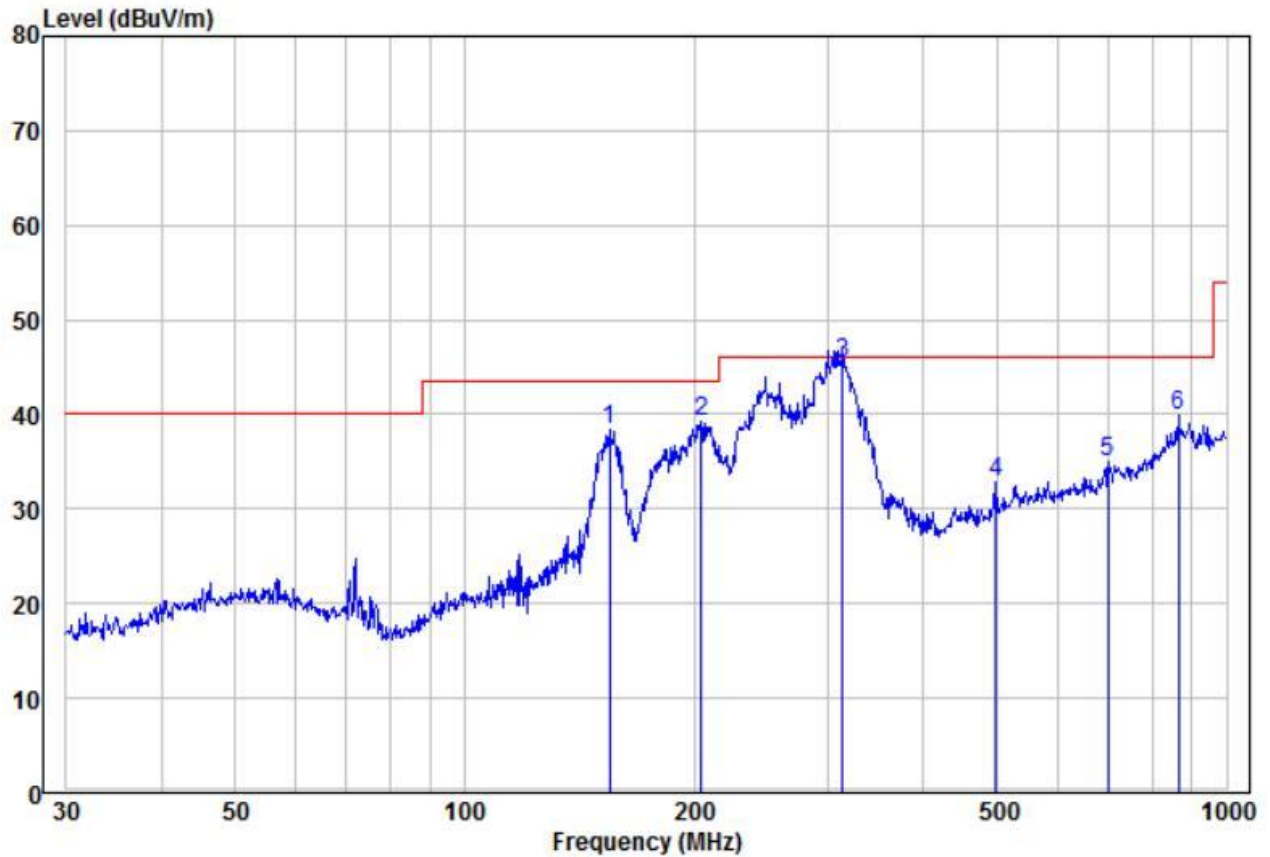
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

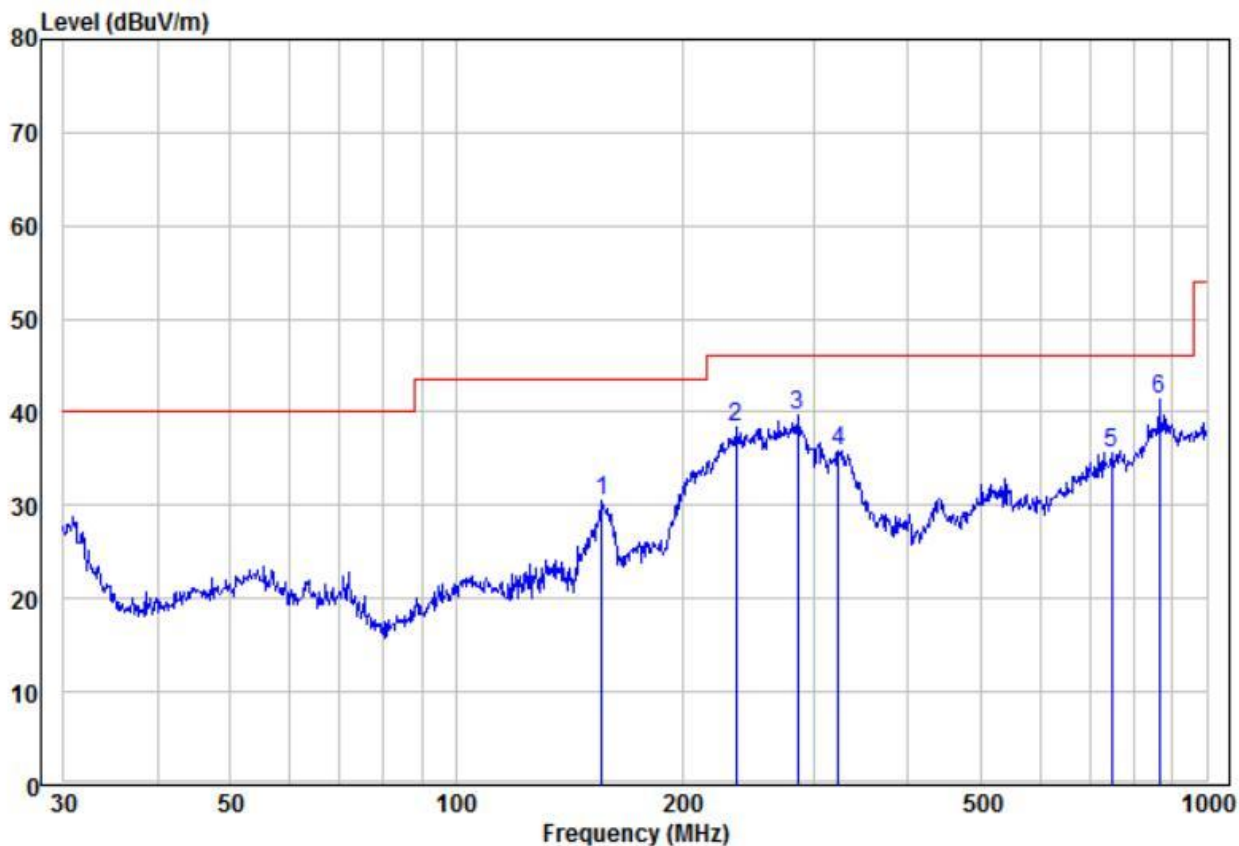
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase  |
|------|--------|------------|--------|--------|------------|------------|--------|------------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |            |
| 1    | 154.82 | 29.39      | 8.96   | 38.35  | 43.50      | -5.15      | Peak   | HORIZONTAL |
| 2 pk | 204.24 | 26.85      | 12.44  | 39.29  | 43.50      | -4.21      | Peak   | HORIZONTAL |
| 3 pp | 313.28 | 28.30      | 17.21  | 45.51  | 46.00      | -0.49      | QP     | HORIZONTAL |
| 4    | 497.68 | 12.07      | 20.86  | 32.93  | 46.00      | -13.07     | Peak   | HORIZONTAL |
| 5    | 699.30 | 11.17      | 23.74  | 34.91  | 46.00      | -11.09     | Peak   | HORIZONTAL |
| 6    | 866.09 | 11.10      | 28.73  | 39.83  | 46.00      | -6.17      | Peak   | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

OB01-B



|      | Read Freq | Level | Factor | Level  | Limit  | Over   | Remark | Pol/Phase |
|------|-----------|-------|--------|--------|--------|--------|--------|-----------|
|      | MHz       | dBuV  | dB/m   | dBuV/m | dBuV/m | dB     |        |           |
| 1    | 156.46    | 21.41 | 9.03   | 30.44  | 43.50  | -13.06 | Peak   | VERTICAL  |
| 2    | 235.82    | 23.59 | 14.79  | 38.38  | 46.00  | -7.62  | Peak   | VERTICAL  |
| 3    | 284.98    | 23.22 | 16.52  | 39.74  | 46.00  | -6.26  | Peak   | VERTICAL  |
| 4    | 323.32    | 18.39 | 17.46  | 35.85  | 46.00  | -10.15 | Peak   | VERTICAL  |
| 5    | 747.48    | 10.84 | 24.77  | 35.61  | 46.00  | -10.39 | Peak   | VERTICAL  |
| 6 pp | 866.09    | 12.62 | 28.73  | 41.35  | 46.00  | -4.65  | Peak   | VERTICAL  |

Remark:

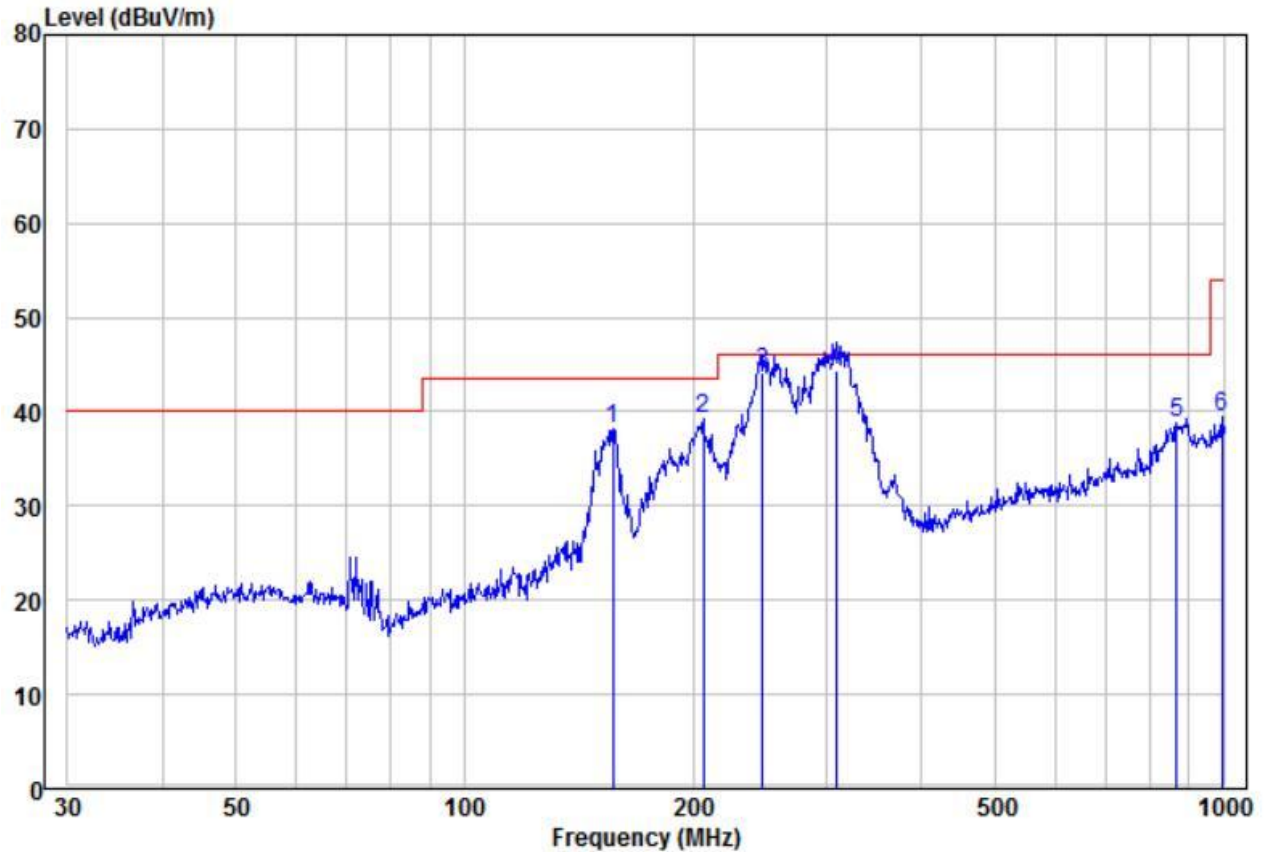
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

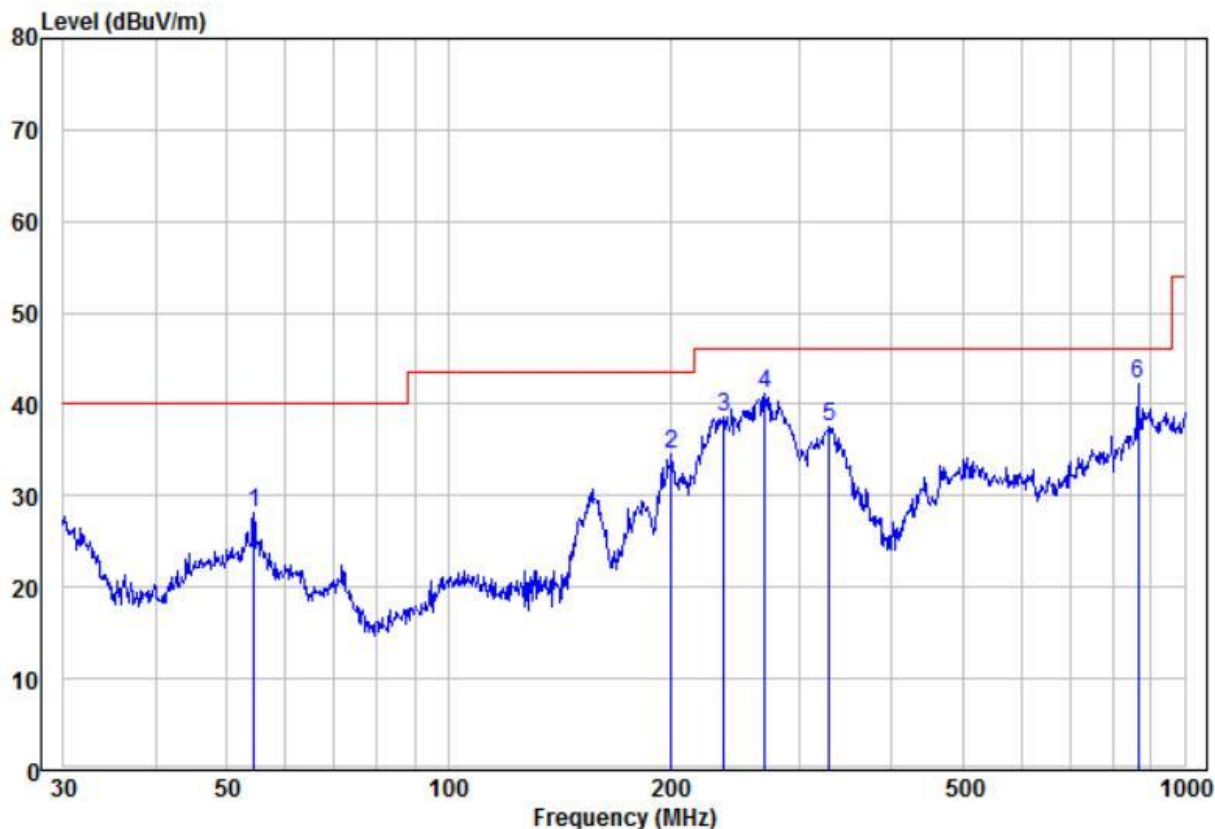
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Read   |       |        | Limit  | Over   |        |        |            |
|------|--------|-------|--------|--------|--------|--------|--------|------------|
|      | Freq   | Level | Factor | Level  | Line   | Limit  | Remark | Pol/Phase  |
|      | MHz    | dBuV  | dB/m   | dBuV/m | dBuV/m | dB     |        |            |
| 1    | 157.01 | 29.09 | 9.05   | 38.14  | 43.50  | -5.36  | Peak   | HORIZONTAL |
| 2 pk | 206.40 | 26.70 | 12.50  | 39.20  | 43.50  | -4.30  | Peak   | HORIZONTAL |
| 3    | 246.81 | 28.46 | 15.63  | 44.09  | 46.00  | -1.91  | QP     | HORIZONTAL |
| 4 pp | 308.91 | 27.20 | 17.10  | 44.30  | 46.00  | -1.70  | QP     | HORIZONTAL |
| 5    | 869.13 | 10.05 | 28.78  | 38.83  | 46.00  | -7.17  | Peak   | HORIZONTAL |
| 6    | 996.50 | 11.19 | 28.28  | 39.47  | 54.00  | -14.53 | Peak   | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

F9095W



|      | Read   |        |        | Limit  | Over  |             |           |
|------|--------|--------|--------|--------|-------|-------------|-----------|
| Freq | Level  | Factor | Level  | Line   | Limit | Remark      | Pol/Phase |
| MHz  | dBuV   | dB/m   | dBuV/m | dBuV/m | dB    |             |           |
| 1    | 54.45  | 15.39  | 12.80  | 28.19  | 40.00 | -11.81 Peak | VERTICAL  |
| 2    | 200.69 | 22.20  | 12.34  | 34.54  | 43.50 | -8.96 Peak  | VERTICAL  |
| 3    | 236.64 | 23.64  | 14.87  | 38.51  | 46.00 | -7.49 Peak  | VERTICAL  |
| 4    | 269.43 | 25.08  | 16.17  | 41.25  | 46.00 | -4.75 Peak  | VERTICAL  |
| 5    | 329.04 | 19.90  | 17.61  | 37.51  | 46.00 | -8.49 Peak  | VERTICAL  |
| 6 pp | 866.09 | 13.51  | 28.73  | 42.24  | 46.00 | -3.76 Peak  | VERTICAL  |

Remark:

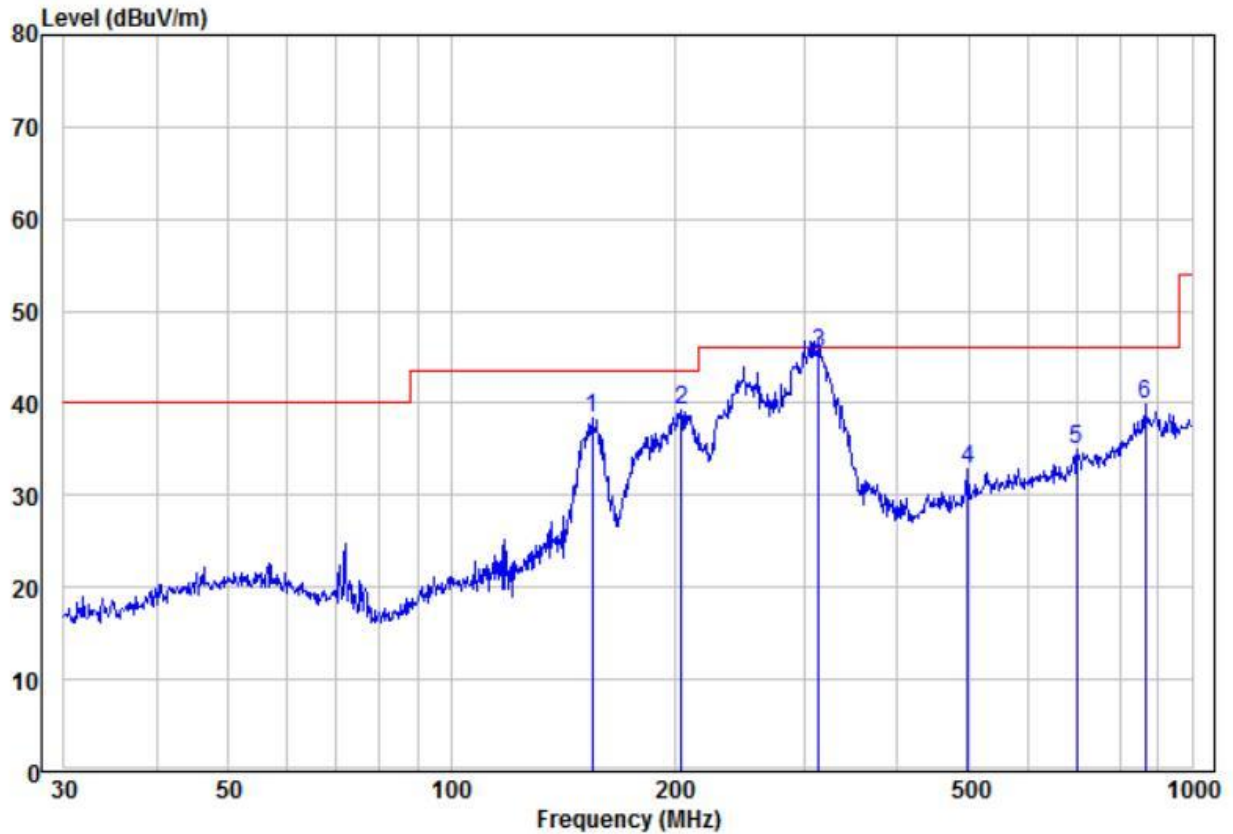
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

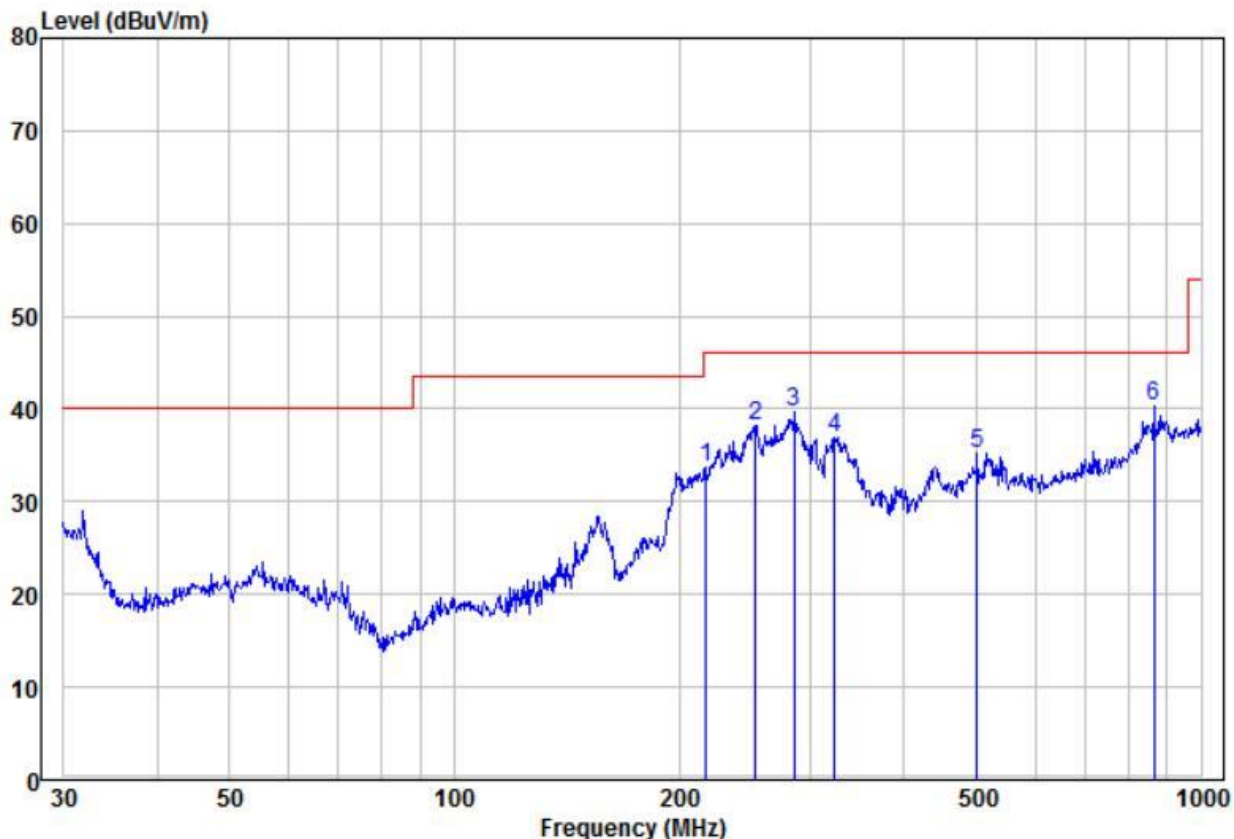
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|   |           | Read  |        | Limit  | Over   |        |        |            |
|---|-----------|-------|--------|--------|--------|--------|--------|------------|
|   | Freq      | Level | Factor | Level  | Line   | Limit  | Remark | Pol/Phase  |
|   | MHz       | dBuV  | dB/m   | dBuV/m | dBuV/m | dB     |        |            |
| 1 | 154.82    | 29.39 | 8.96   | 38.35  | 43.50  | -5.15  | Peak   | HORIZONTAL |
| 2 | pk 204.24 | 26.85 | 12.44  | 39.29  | 43.50  | -4.21  | Peak   | HORIZONTAL |
| 3 | pp 313.28 | 28.30 | 17.21  | 45.51  | 46.00  | -0.49  | QP     | HORIZONTAL |
| 4 | 497.68    | 12.07 | 20.86  | 32.93  | 46.00  | -13.07 | Peak   | HORIZONTAL |
| 5 | 699.30    | 11.17 | 23.74  | 34.91  | 46.00  | -11.09 | Peak   | HORIZONTAL |
| 6 | 866.09    | 11.10 | 28.73  | 39.83  | 46.00  | -6.17  | Peak   | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

F9093W



|      | Read<br>Freq | Level | Factor | Level  | Limit<br>Line | Over<br>Limit | Remark | Pol/Phase |
|------|--------------|-------|--------|--------|---------------|---------------|--------|-----------|
|      | MHz          | dBuV  | dB/m   | dBuV/m | dBuV/m        | dB            |        |           |
| 1    | 217.54       | 20.89 | 12.82  | 33.71  | 46.00         | -12.29        | Peak   | VERTICAL  |
| 2    | 252.95       | 22.40 | 15.79  | 38.19  | 46.00         | -7.81         | Peak   | VERTICAL  |
| 3    | 284.98       | 23.22 | 16.52  | 39.74  | 46.00         | -6.26         | Peak   | VERTICAL  |
| 4    | 323.32       | 19.39 | 17.46  | 36.85  | 46.00         | -9.15         | Peak   | VERTICAL  |
| 5    | 501.18       | 14.21 | 20.94  | 35.15  | 46.00         | -10.85        | Peak   | VERTICAL  |
| 6 pp | 866.09       | 11.62 | 28.73  | 40.35  | 46.00         | -5.65         | Peak   | VERTICAL  |

Remark:

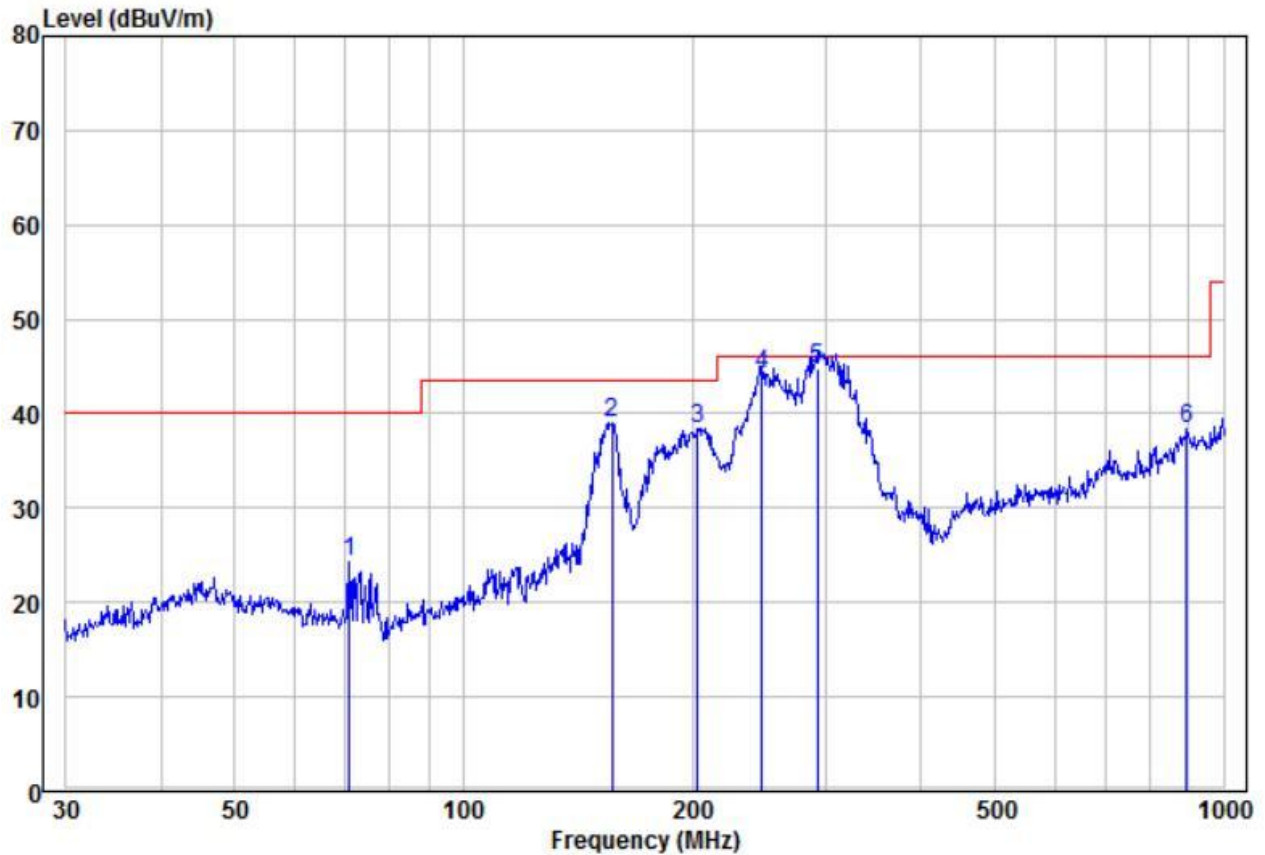
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

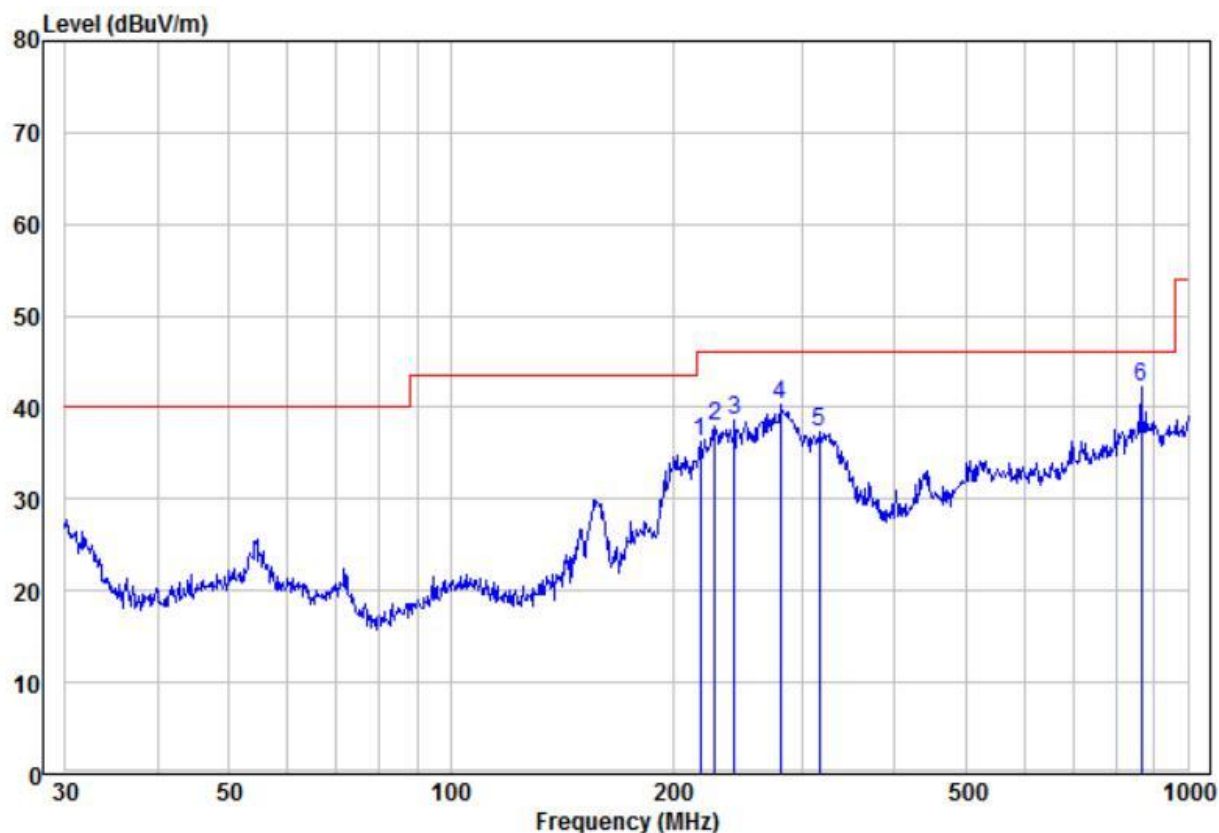
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      |        | Read  |        |        | Limit  | Over   |        |            |
|------|--------|-------|--------|--------|--------|--------|--------|------------|
|      | Freq   | Level | Factor | Level  | Line   | Limit  | Remark | Pol/Phase  |
|      | MHz    | dBuV  | dB/m   | dBuV/m | dBuV/m | dB     |        |            |
| 1    | 70.83  | 14.83 | 9.46   | 24.29  | 40.00  | -15.71 | Peak   | HORIZONTAL |
| 2 pk | 157.01 | 30.09 | 9.05   | 39.14  | 43.50  | -4.36  | Peak   | HORIZONTAL |
| 3    | 203.52 | 26.06 | 12.42  | 38.48  | 43.50  | -5.02  | Peak   | HORIZONTAL |
| 4    | 246.81 | 28.46 | 15.63  | 44.09  | 46.00  | -1.91  | QP     | HORIZONTAL |
| 5 pp | 292.06 | 28.01 | 16.69  | 44.70  | 46.00  | -1.30  | QP     | HORIZONTAL |
| 6    | 893.86 | 9.11  | 29.20  | 38.31  | 46.00  | -7.69  | Peak   | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

FD02-B



|      | Freq   | Read Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase |
|------|--------|------------|--------|--------|------------|------------|--------|-----------|
|      | MHz    | dBuV       | dB/m   | dBuV/m | dBuV/m     | dB         |        |           |
| 1    | 218.31 | 23.53      | 12.84  | 36.37  | 46.00      | -9.63      | Peak   | VERTICAL  |
| 2    | 228.49 | 23.90      | 13.97  | 37.87  | 46.00      | -8.13      | Peak   | VERTICAL  |
| 3    | 242.53 | 23.10      | 15.42  | 38.52  | 46.00      | -7.48      | Peak   | VERTICAL  |
| 4    | 280.02 | 23.92      | 16.41  | 40.33  | 46.00      | -5.67      | Peak   | VERTICAL  |
| 5    | 316.59 | 20.02      | 17.29  | 37.31  | 46.00      | -8.69      | Peak   | VERTICAL  |
| 6 pp | 866.09 | 13.51      | 28.73  | 42.24  | 46.00      | -3.76      | Peak   | VERTICAL  |

Remark:

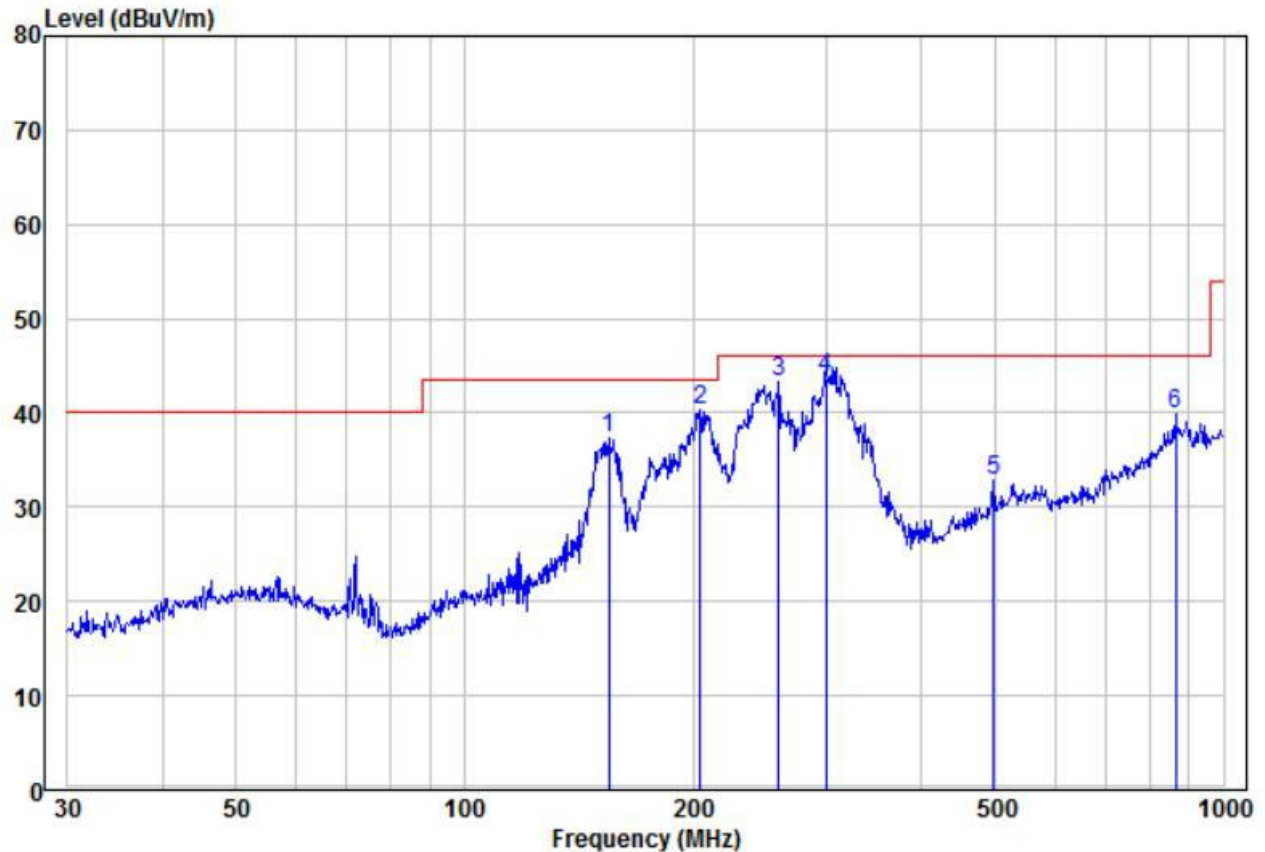
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

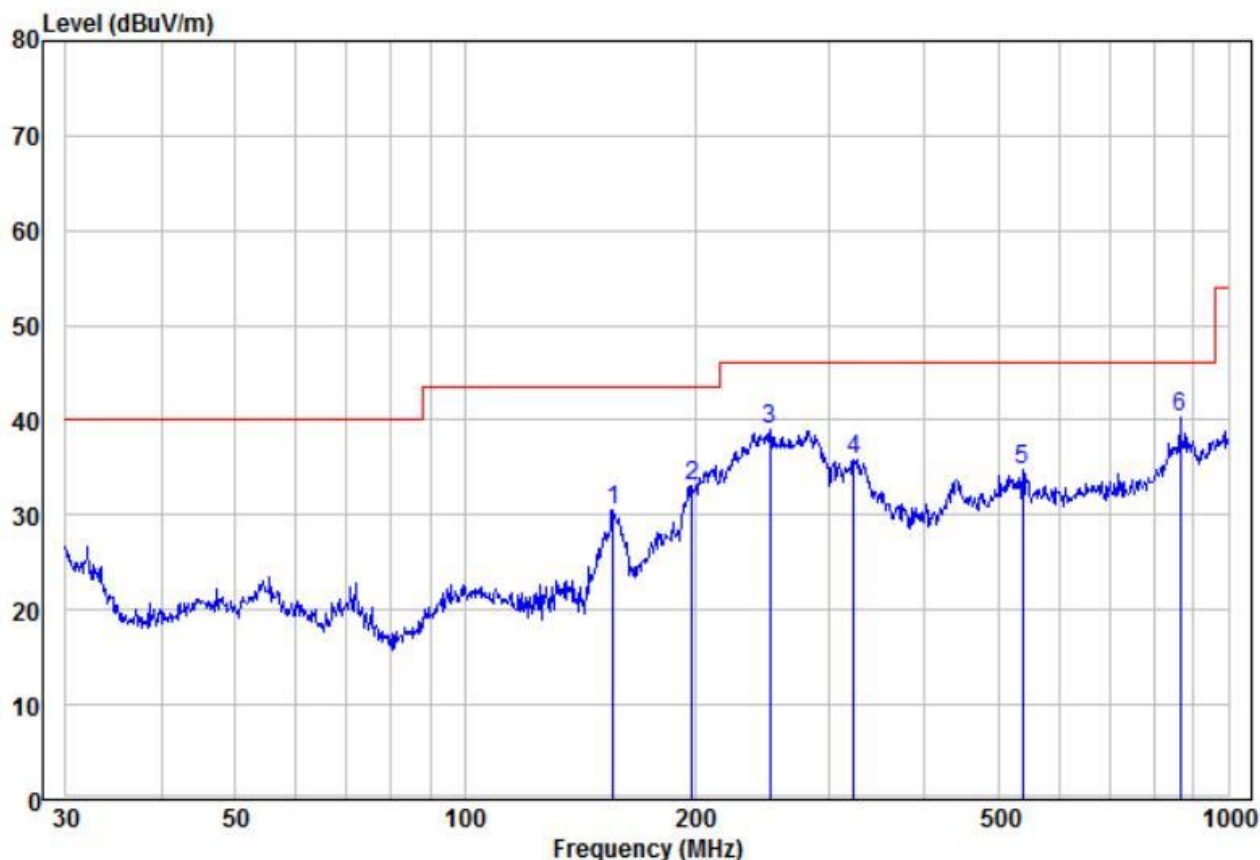
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Read   |        |        | Limit  | Over  |             |            |
|------|--------|--------|--------|--------|-------|-------------|------------|
| Freq | Level  | Factor | Level  | Line   | Limit | Remark      | Pol/Phase  |
| MHz  | dBuV   | dB/m   | dBuV/m | dBuV/m | dB    |             |            |
| 1    | 154.82 | 28.39  | 8.96   | 37.35  | 43.50 | -6.15 Peak  | HORIZONTAL |
| 2 pk | 204.24 | 27.85  | 12.44  | 40.29  | 43.50 | -3.21 Peak  | HORIZONTAL |
| 3    | 259.23 | 27.48  | 15.93  | 43.41  | 46.00 | -2.59 QP    | HORIZONTAL |
| 4 pp | 299.32 | 26.87  | 16.86  | 43.73  | 46.00 | -2.27 QP    | HORIZONTAL |
| 5    | 497.68 | 12.07  | 20.86  | 32.93  | 46.00 | -13.07 Peak | HORIZONTAL |
| 6    | 866.09 | 11.10  | 28.73  | 39.83  | 46.00 | -6.17 Peak  | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

F9074W



|      | Read Freq | Level | Factor | Level  | Limit Line | Over Limit | Remark | Pol/Phase |
|------|-----------|-------|--------|--------|------------|------------|--------|-----------|
|      | MHz       | dBuV  | dB/m   | dBuV/m | dBuV/m     | dB         |        |           |
| 1    | 156.46    | 21.41 | 9.03   | 30.44  | 43.50      | -13.06     | Peak   | VERTICAL  |
| 2    | 198.59    | 20.95 | 12.18  | 33.13  | 43.50      | -10.37     | Peak   | VERTICAL  |
| 3    | 251.18    | 23.21 | 15.74  | 38.95  | 46.00      | -7.05      | Peak   | VERTICAL  |
| 4    | 323.32    | 18.39 | 17.46  | 35.85  | 46.00      | -10.15     | Peak   | VERTICAL  |
| 5    | 537.59    | 13.37 | 21.44  | 34.81  | 46.00      | -11.19     | Peak   | VERTICAL  |
| 6 pp | 866.09    | 11.62 | 28.73  | 40.35  | 46.00      | -5.65      | Peak   | VERTICAL  |

Remark:

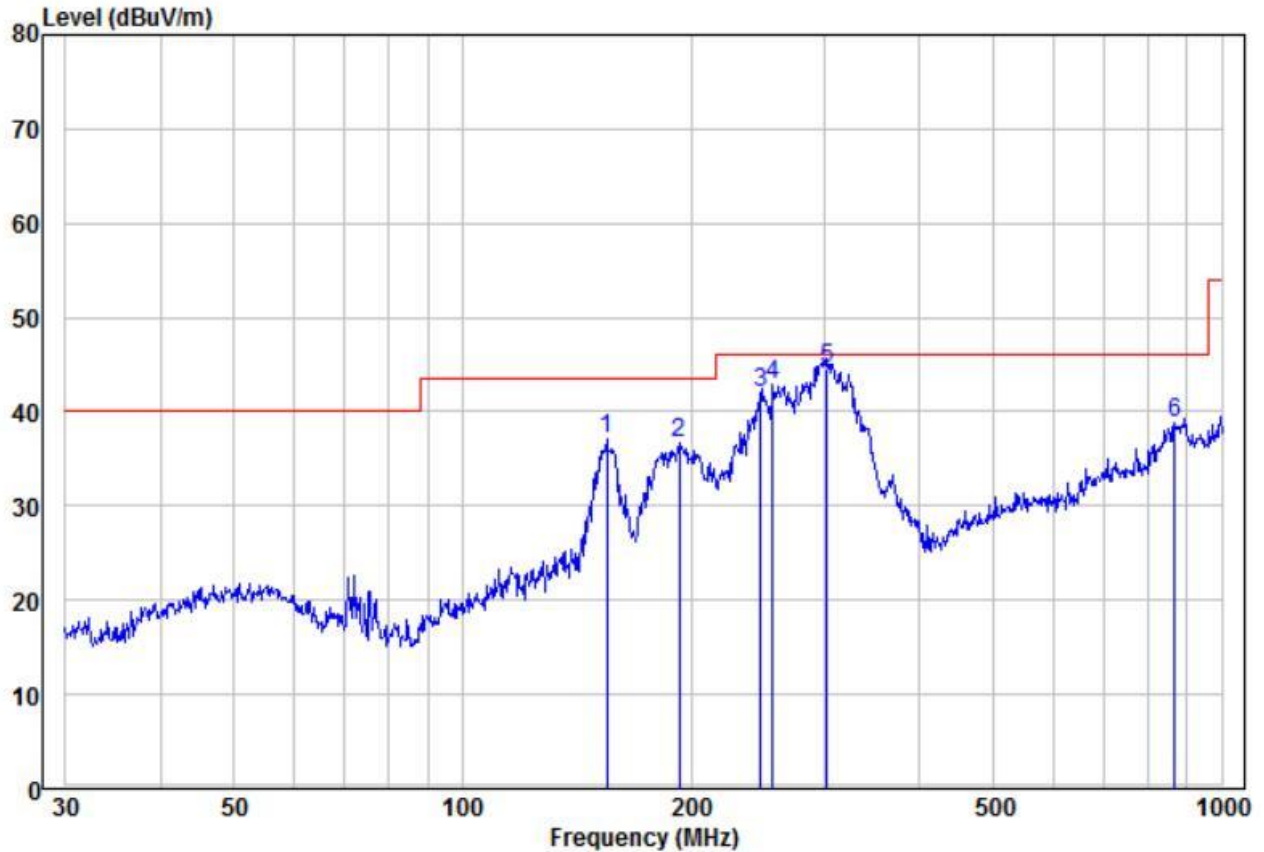
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

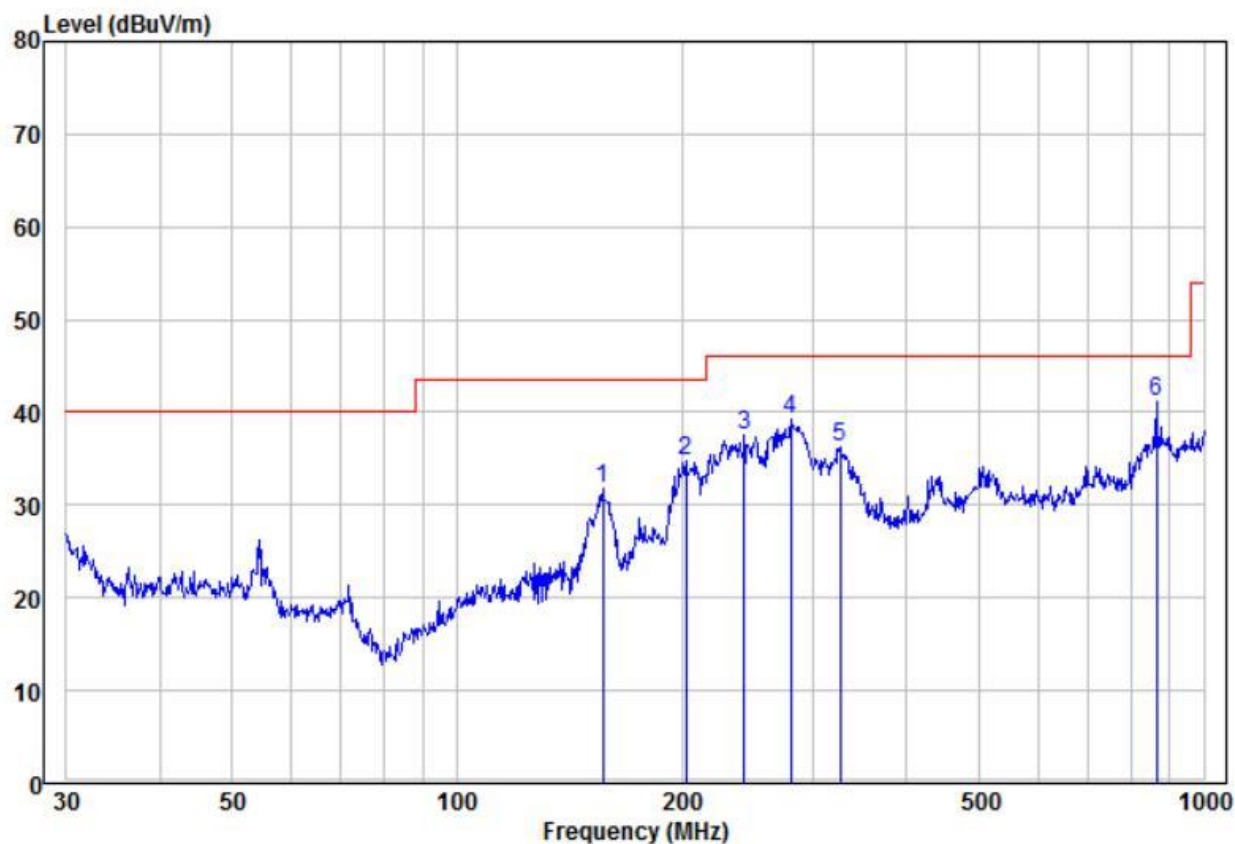
|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Read   |        |        | Limit  | Over  |            |            |
|------|--------|--------|--------|--------|-------|------------|------------|
| Freq | Level  | Factor | Level  | Line   | Limit | Remark     | Pol/Phase  |
| MHz  | dBuV   | dB/m   | dBuV/m | dBuV/m | dB    |            |            |
| 1    | 154.82 | 28.09  | 8.96   | 37.05  | 43.50 | -6.45 Peak | HORIZONTAL |
| 2    | 193.09 | 25.06  | 11.63  | 36.69  | 43.50 | -6.81 Peak | HORIZONTAL |
| 3    | 246.81 | 26.46  | 15.63  | 42.09  | 46.00 | -3.91 Peak | HORIZONTAL |
| 4 pk | 256.52 | 26.93  | 15.87  | 42.80  | 46.00 | -3.20 Peak | HORIZONTAL |
| 5 pp | 302.48 | 27.64  | 16.93  | 44.57  | 46.00 | -1.43 QP   | HORIZONTAL |
| 6    | 869.13 | 10.05  | 28.78  | 38.83  | 46.00 | -7.17 Peak | HORIZONTAL |

|            |              |          |
|------------|--------------|----------|
| 30MHz~1GHz |              |          |
| Test mode: | Transmitting | Vertical |

LN01-F



|      | Read   |       | Limit  | Over   |        |        |                  |
|------|--------|-------|--------|--------|--------|--------|------------------|
|      | Freq   | Level | Factor | Level  | Line   | Limit  | Remark           |
|      | MHz    | dBuV  | dB/m   | dBuV/m | dBuV/m | dB     | Pol/Phase        |
| 1    | 157.01 | 22.73 | 9.05   | 31.78  | 43.50  | -11.72 | Peak<br>VERTICAL |
| 2    | 202.81 | 22.32 | 12.40  | 34.72  | 43.50  | -8.78  | Peak<br>VERTICAL |
| 3    | 242.53 | 22.10 | 15.42  | 37.52  | 46.00  | -8.48  | Peak<br>VERTICAL |
| 4    | 280.02 | 22.92 | 16.41  | 39.33  | 46.00  | -6.67  | Peak<br>VERTICAL |
| 5    | 325.60 | 18.71 | 17.52  | 36.23  | 46.00  | -9.77  | Peak<br>VERTICAL |
| 6 pp | 866.09 | 12.51 | 28.73  | 41.24  | 46.00  | -4.76  | Peak<br>VERTICAL |

Remark:

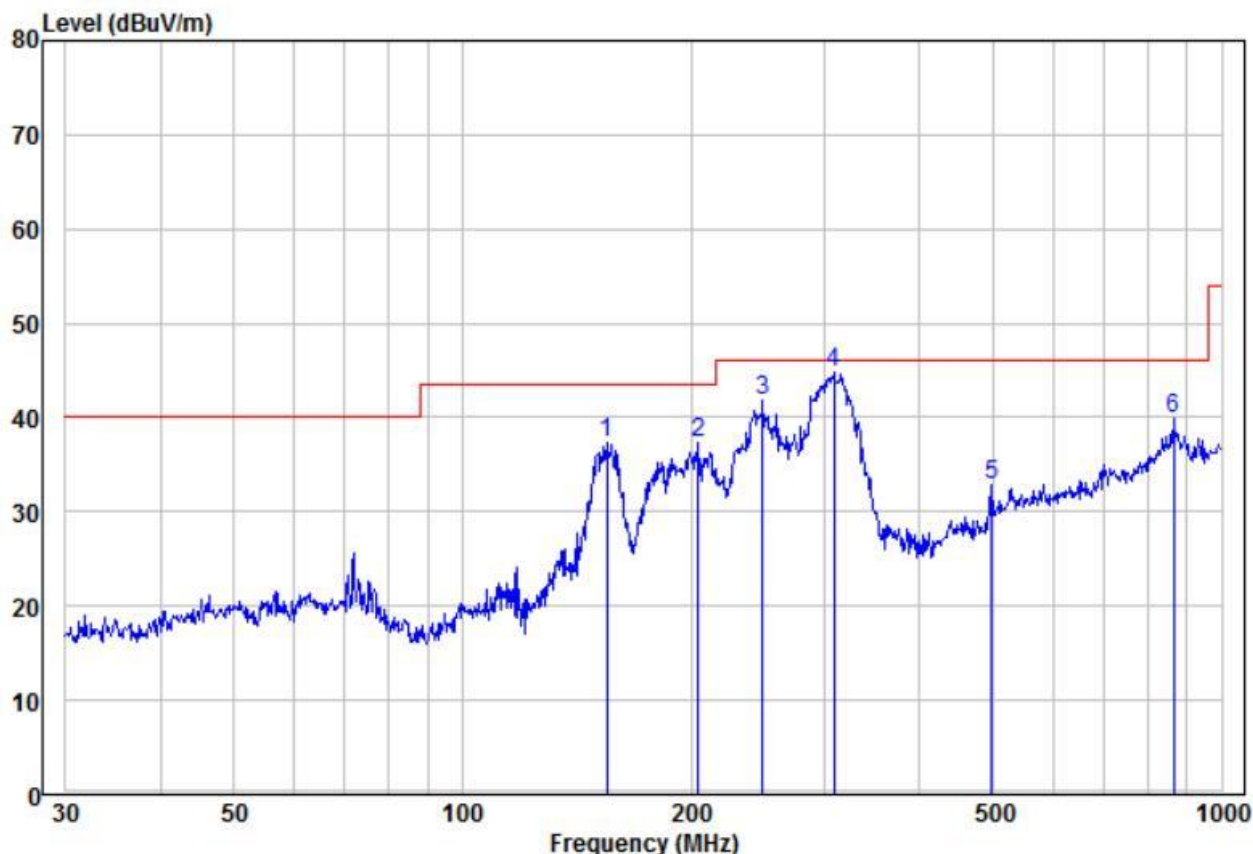
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

|            |              |            |
|------------|--------------|------------|
| Test mode: | Transmitting | Horizontal |
|------------|--------------|------------|



|      | Read   |        |        | Limit  | Over  |             |            |  |
|------|--------|--------|--------|--------|-------|-------------|------------|--|
| Freq | Level  | Factor | Level  | Line   | Limit | Remark      | Pol/Phase  |  |
| MHz  | dBuV   | dB/m   | dBuV/m | dBuV/m | dB    |             |            |  |
| 1    | 154.82 | 28.39  | 8.96   | 37.35  | 43.50 | -6.15 Peak  | HORIZONTAL |  |
| 2    | 204.24 | 24.85  | 12.44  | 37.29  | 43.50 | -6.21 Peak  | HORIZONTAL |  |
| 3 pk | 248.55 | 26.17  | 15.68  | 41.85  | 46.00 | -4.15 Peak  | HORIZONTAL |  |
| 4 pp | 308.91 | 27.71  | 17.10  | 44.81  | 46.00 | -1.19 QP    | HORIZONTAL |  |
| 5    | 497.68 | 12.07  | 20.86  | 32.93  | 46.00 | -13.07 Peak | HORIZONTAL |  |
| 6    | 866.09 | 11.10  | 28.73  | 39.83  | 46.00 | -6.17 Peak  | HORIZONTAL |  |

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

## 5.8.2 Transmitter emission above 1GHz

| Test mode: |               | 802.11b(1Mbps) |                | Test channel: |        | Lowest        |           |                |             |
|------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       | (m)            | (Degree)    |
| 4824.000   | 52.50         | -4.26          | 48.24          | 74            | -25.76 | peak          | H         | 1.5            | 241         |
| 4824.000   | 36.85         | -4.26          | 32.59          | 54            | -21.41 | AVG           | H         | 1.5            | 121         |
| 7236.000   | 50.81         | 1.18           | 51.99          | 74            | -22.01 | peak          | H         | 1.5            | 207         |
| 7236.000   | 38.28         | 1.18           | 39.46          | 54            | -14.54 | AVG           | H         | 1.5            | 30          |
| 4824.000   | 54.88         | -4.26          | 50.62          | 74            | -23.38 | peak          | V         | 1.5            | 247         |
| 4824.000   | 38.25         | -4.26          | 33.99          | 54            | -20.01 | AVG           | V         | 1.5            | 198         |
| 7236.000   | 51.00         | 1.18           | 52.18          | 74            | -21.82 | peak          | V         | 1.5            | 309         |
| 7236.000   | 36.22         | 1.18           | 37.40          | 54            | -16.60 | AVG           | V         | 1.5            | 44          |

| Test mode: |               | 802.11b(1Mbps) |                | Test channel: |        | Middle         |           |                |             |
|------------|---------------|----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 4874.000   | 51.47         | -4.12          | 47.35          | 74            | -26.65 | peak           | H         | 1.5            | 78          |
| 4874.000   | 36.31         | -4.12          | 32.19          | 54            | -21.81 | AVG            | H         | 1.5            | 92          |
| 7311.000   | 48.64         | 1.46           | 50.10          | 74            | -23.90 | peak           | H         | 1.5            | 247         |
| 7311.000   | 36.84         | 1.46           | 38.30          | 54            | -15.70 | AVG            | H         | 1.5            | 222         |
| 4874.000   | 53.42         | -4.12          | 49.30          | 74            | -24.70 | peak           | V         | 1.5            | 266         |
| 4874.000   | 37.59         | -4.12          | 33.47          | 54            | -20.53 | AVG            | V         | 1.5            | 53          |
| 7311.000   | 49.21         | 1.46           | 50.67          | 74            | -23.33 | peak           | V         | 1.5            | 168         |
| 7311.000   | 36.49         | 1.46           | 37.95          | 54            | -16.05 | AVG            | V         | 1.5            | 128         |

| Test mode: |               | 802.11b(1Mbps) |                | Test channel: |        | Highest        |           |                |             |
|------------|---------------|----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 4924.000   | 51.61         | -4.03          | 47.58          | 74            | -26.42 | peak           | H         | 1.5            | 236         |
| 4924.000   | 38.90         | -4.03          | 34.87          | 54            | -19.13 | AVG            | H         | 1.5            | 299         |
| 7386.000   | 50.34         | 1.66           | 52.00          | 74            | -22.00 | peak           | H         | 1.5            | 160         |
| 7386.000   | 37.11         | 1.66           | 38.77          | 54            | -15.23 | AVG            | H         | 1.5            | 217         |
| 4924.000   | 54.21         | -4.03          | 50.18          | 74            | -23.82 | peak           | V         | 1.5            | 173         |
| 4924.000   | 37.12         | -4.03          | 33.09          | 54            | -20.91 | AVG            | V         | 1.5            | 173         |
| 7386.000   | 49.90         | 1.66           | 51.56          | 74            | -22.44 | peak           | V         | 1.5            | 275         |
| 7386.000   | 36.87         | 1.66           | 38.53          | 54            | -15.47 | AVG            | V         | 1.5            | 335         |

Remark:

- 1) The 1Mbps of rate of 802.11b is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

| Test mode: |               | 802.11g(6Mbps) |                | Test channel: |        | Lowest         |           |                |             |
|------------|---------------|----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 4824.000   | 52.35         | -4.26          | 48.09          | 74            | -25.91 | peak           | H         | 1.5            | 65          |
| 4824.000   | 36.51         | -4.26          | 32.25          | 54            | -21.75 | AVG            | H         | 1.5            | 134         |
| 7236.000   | 51.53         | 1.18           | 52.71          | 74            | -21.29 | peak           | H         | 1.5            | 157         |
| 7236.000   | 37.60         | 1.18           | 38.78          | 54            | -15.22 | AVG            | H         | 1.5            | 336         |
| 4824.000   | 55.74         | -4.26          | 51.48          | 74            | -22.52 | peak           | V         | 1.5            | 120         |
| 4824.000   | 39.51         | -4.26          | 35.25          | 54            | -18.75 | AVG            | V         | 1.5            | 176         |
| 7236.000   | 52.08         | 1.18           | 53.26          | 74            | -20.74 | peak           | V         | 1.5            | 298         |
| 7236.000   | 35.84         | 1.18           | 37.02          | 54            | -16.98 | AVG            | V         | 1.5            | 17          |

| Test mode: |               | 802.11g(6Mbps) |                | Test channel: |        | Middle         |           |                |             |
|------------|---------------|----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 4874.000   | 51.39         | -4.12          | 47.27          | 74            | -26.73 | peak           | H         | 1.5            | 328         |
| 4874.000   | 37.71         | -4.12          | 33.59          | 54            | -20.41 | AVG            | H         | 1.5            | 173         |
| 7311.000   | 48.69         | 1.46           | 50.15          | 74            | -23.85 | peak           | H         | 1.5            | 258         |
| 7311.000   | 36.31         | 1.46           | 37.77          | 54            | -16.23 | AVG            | H         | 1.5            | 256         |
| 4874.000   | 53.59         | -4.12          | 49.47          | 74            | -24.53 | peak           | V         | 1.5            | 95          |
| 4874.000   | 36.78         | -4.12          | 32.66          | 54            | -21.34 | AVG            | V         | 1.5            | 279         |
| 7311.000   | 48.53         | 1.46           | 49.99          | 74            | -24.01 | peak           | V         | 1.5            | 322         |
| 7311.000   | 35.33         | 1.46           | 36.79          | 54            | -17.21 | AVG            | V         | 1.5            | 93          |

| Test mode: |               | 802.11g(6Mbps) |                | Test channel: |        | Highest        |           |                |             |
|------------|---------------|----------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 4924.000   | 52.59         | -4.03          | 48.56          | 74            | -25.44 | peak           | H         | 1.5            | 211         |
| 4924.000   | 38.69         | -4.03          | 34.66          | 54            | -19.34 | AVG            | H         | 1.5            | 248         |
| 7386.000   | 50.36         | 1.66           | 52.02          | 74            | -21.98 | peak           | H         | 1.5            | 256         |
| 7386.000   | 36.66         | 1.66           | 38.32          | 54            | -15.68 | AVG            | H         | 1.5            | 306         |
| 4924.000   | 54.09         | -4.03          | 50.06          | 74            | -23.94 | peak           | V         | 1.5            | 112         |
| 4924.000   | 38.15         | -4.03          | 34.12          | 54            | -19.88 | AVG            | V         | 1.5            | 245         |
| 7386.000   | 50.82         | 1.66           | 52.48          | 74            | -21.52 | peak           | V         | 1.5            | 269         |
| 7386.000   | 37.92         | 1.66           | 39.58          | 54            | -14.42 | AVG            | V         | 1.5            | 92          |

Remark:

- 1) The 6Mbps of rate of 802.11g is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

| Test mode: |               | 802.11n20(6.5Mbps) |                | Test channel: |        | Lowest        |           |                |             |
|------------|---------------|--------------------|----------------|---------------|--------|---------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor             | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)               | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       | (m)            | (Degree)    |
| 4824.000   | 52.50         | -4.26              | 48.24          | 74            | -25.76 | peak          | H         | 1.5            | 264         |
| 4824.000   | 37.93         | -4.26              | 33.67          | 54            | -20.33 | AVG           | H         | 1.5            | 153         |
| 7236.000   | 51.36         | 1.18               | 52.54          | 74            | -21.46 | peak          | H         | 1.5            | 170         |
| 7236.000   | 37.68         | 1.18               | 38.86          | 54            | -15.14 | AVG           | H         | 1.5            | 341         |
| 4824.000   | 55.68         | -4.26              | 51.42          | 74            | -22.58 | peak          | V         | 1.5            | 292         |
| 4824.000   | 39.94         | -4.26              | 35.68          | 54            | -18.32 | AVG           | V         | 1.5            | 240         |
| 7236.000   | 51.52         | 1.18               | 52.70          | 74            | -21.30 | peak          | V         | 1.5            | 222         |
| 7236.000   | 35.16         | 1.18               | 36.34          | 54            | -17.66 | AVG           | V         | 1.5            | 62          |

| Test mode: |               | 802.11n20(6.5Mbps) |                | Test channel: |        | Middle        |           |                |             |
|------------|---------------|--------------------|----------------|---------------|--------|---------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor             | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)               | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       | (m)            | (Degree)    |
| 4874.000   | 52.14         | -4.12              | 48.02          | 74            | -25.98 | peak          | H         | 1.5            | 184         |
| 4874.000   | 36.70         | -4.12              | 32.58          | 54            | -21.42 | AVG           | H         | 1.5            | 117         |
| 7311.000   | 50.16         | 1.46               | 51.62          | 74            | -22.38 | peak          | H         | 1.5            | 165         |
| 7311.000   | 36.09         | 1.46               | 37.55          | 54            | -16.45 | AVG           | H         | 1.5            | 92          |
| 4874.000   | 54.01         | -4.12              | 49.89          | 74            | -24.11 | peak          | V         | 1.5            | 173         |
| 4874.000   | 37.12         | -4.12              | 33.00          | 54            | -21.00 | AVG           | V         | 1.5            | 182         |
| 7311.000   | 48.91         | 1.46               | 50.37          | 74            | -23.63 | peak          | V         | 1.5            | 171         |
| 7311.000   | 35.95         | 1.46               | 37.41          | 54            | -16.59 | AVG           | V         | 1.5            | 250         |

| Test mode: |               | 802.11n20(6.5Mbps) |                | Test channel: |        | Highest        |           |                |             |
|------------|---------------|--------------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor             | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)               | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 4924.000   | 52.59         | -4.03              | 48.56          | 74            | -25.44 | peak           | H         | 1.5            | 249         |
| 4924.000   | 38.47         | -4.03              | 34.44          | 54            | -19.56 | AVG            | H         | 1.5            | 85          |
| 7386.000   | 50.86         | 1.66               | 52.52          | 74            | -21.48 | peak           | H         | 1.5            | 353         |
| 7386.000   | 36.20         | 1.66               | 37.86          | 54            | -16.14 | AVG            | H         | 1.5            | 175         |
| 4924.000   | 55.17         | -4.03              | 51.14          | 74            | -22.86 | peak           | V         | 1.5            | 16          |
| 4924.000   | 38.05         | -4.03              | 34.02          | 54            | -19.98 | AVG            | V         | 1.5            | 297         |
| 7386.000   | 50.47         | 1.66               | 52.13          | 74            | -21.87 | peak           | V         | 1.5            | 240         |
| 7386.000   | 37.71         | 1.66               | 39.37          | 54            | -14.63 | AVG            | V         | 1.5            | 356         |

Remark:

- 1) The MCS0 of rate of 802.11n20 is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

| Test mode: |               | 802.11n40(13.5Mbps) |                | Test channel: |        | Lowest        |           |                |             |
|------------|---------------|---------------------|----------------|---------------|--------|---------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor              | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)                | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       | (m)            | (Degree)    |
| 4824.000   | 53.08         | -4.24               | 48.84          | 74            | -25.16 | peak          | H         | 1.5            | 31          |
| 4824.000   | 36.05         | -4.24               | 31.81          | 54            | -22.19 | AVG           | H         | 1.5            | 198         |
| 7236.000   | 51.66         | 1.2                 | 52.86          | 74            | -21.14 | peak          | H         | 1.5            | 19          |
| 7236.000   | 38.96         | 1.2                 | 40.16          | 54            | -13.84 | AVG           | H         | 1.5            | 255         |
| 4824.000   | 55.01         | -4.24               | 50.77          | 74            | -23.23 | peak          | V         | 1.5            | 195         |
| 4824.000   | 39.46         | -4.24               | 35.22          | 54            | -18.78 | AVG           | V         | 1.5            | 15          |
| 7236.000   | 50.48         | 1.2                 | 51.68          | 74            | -22.32 | peak          | V         | 1.5            | 223         |
| 7236.000   | 35.12         | 1.2                 | 36.32          | 54            | -17.68 | AVG           | V         | 1.5            | 331         |

| Test mode: |               | 802.11n40(13.5Mbps) |                | Test channel: |        | Middle        |           |                |             |
|------------|---------------|---------------------|----------------|---------------|--------|---------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor              | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)                | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       | (m)            | (Degree)    |
| 4874.000   | 53.05         | -4.12               | 48.93          | 74            | -25.07 | peak          | H         | 1.5            | 264         |
| 4874.000   | 37.66         | -4.12               | 33.54          | 54            | -20.46 | AVG           | H         | 1.5            | 135         |
| 7311.000   | 48.56         | 1.46                | 50.02          | 74            | -23.98 | peak          | H         | 1.5            | 92          |
| 7311.000   | 36.95         | 1.46                | 38.41          | 54            | -15.59 | AVG           | H         | 1.5            | 234         |
| 4874.000   | 52.68         | -4.12               | 48.56          | 74            | -25.44 | peak          | V         | 1.5            | 189         |
| 4874.000   | 37.22         | -4.12               | 33.10          | 54            | -20.90 | AVG           | V         | 1.5            | 264         |
| 7311.000   | 49.47         | 1.46                | 50.93          | 74            | -23.07 | peak          | V         | 1.5            | 187         |
| 7311.000   | 35.71         | 1.46                | 37.17          | 54            | -16.83 | AVG           | V         | 1.5            | 190         |

| Test mode: |               | 802.11n40(13.5Mbps) |                | Test channel: |        | Highest        |           |                |             |
|------------|---------------|---------------------|----------------|---------------|--------|----------------|-----------|----------------|-------------|
| Frequency  | Meter Reading | Factor              | Emission Level | Limits        | Over   | Detect or Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)      | (dBμV)        | (dB)                | (dBμV/m)       | (dBμV/m)      | (dB)   |                | H/V       | (m)            | (Degree)    |
| 4924.000   | 54.21         | -4.05               | 50.16          | 74            | -23.84 | peak           | H         | 1.5            | 331         |
| 4924.000   | 36.40         | -4.05               | 32.35          | 54            | -21.65 | AVG            | H         | 1.5            | 318         |
| 7386.000   | 52.16         | 1.64                | 53.80          | 74            | -20.20 | peak           | H         | 1.5            | 145         |
| 7386.000   | 37.18         | 1.64                | 38.82          | 54            | -15.18 | AVG            | H         | 1.5            | 301         |
| 4924.000   | 55.49         | -4.05               | 51.44          | 74            | -22.56 | peak           | V         | 1.5            | 33          |
| 4924.000   | 39.88         | -4.05               | 35.83          | 54            | -18.17 | AVG            | V         | 1.5            | 145         |
| 7386.000   | 51.89         | 1.64                | 53.53          | 74            | -20.47 | peak           | V         | 1.5            | 22          |
| 7386.000   | 35.42         | 1.64                | 37.06          | 54            | -16.94 | AVG            | V         | 1.5            | 316         |

Remark:

- 1) The MCS0 of rate of 802.11n40 is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

## 5.9 Restricted bands around fundamental frequency

|                   |                                                  |                    |                  |
|-------------------|--------------------------------------------------|--------------------|------------------|
| Test Requirement: | 47 CFR Part 15C Section 15.209 and 15.205        |                    |                  |
| Test Method:      | ANSI C63.10 2020                                 |                    |                  |
| Test Site:        | Measurement Distance: 3m (Semi-Anechoic Chamber) |                    |                  |
| Limit:            | Frequency                                        | Limit (dBuV/m @3m) | Remark           |
|                   | 30MHz-88MHz                                      | 40.0               | Quasi-peak Value |
|                   | 88MHz-216MHz                                     | 43.5               | Quasi-peak Value |
|                   | 216MHz-960MHz                                    | 46.0               | Quasi-peak Value |
|                   | 960MHz-1GHz                                      | 54.0               | Quasi-peak Value |
|                   | Above 1GHz                                       | 54.0               | Average Value    |
|                   |                                                  | 74.0               | Peak Value       |

Test Setup:

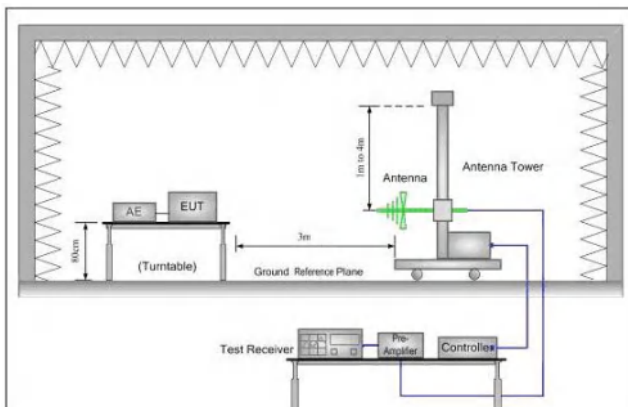


Figure 1. 30MHz to 1GHz

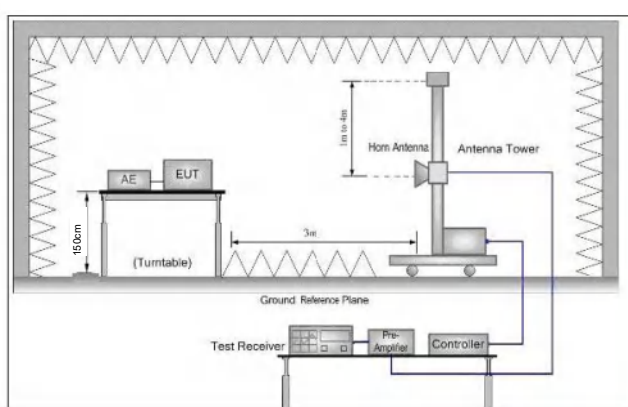


Figure 2. Above 1 GHz

Test Procedure:

- 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
  - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- Note: For the radiated emission test above 1GHz:
- Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
  - 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.
  - For each suspected emission, the EUT was arranged to its worst case and

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | <p>then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</p> <p>g. Test the EUT in the lowest channel, the middle channel, the Highest channel.</p> <p>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case .</p> <p>i. Repeat above procedures until all frequencies measured was complete.</p> |
| Exploratory Test Mode: | <p>Transmitting with all kind of modulations, data rates.</p> <p>Transmitting mode.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Final Test Mode:       | <p>Pretest the EUT at Transmitting mode, found the Transmitting mode which it is worse case.</p> <p>Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).</p> <p>Only the worst case is recorded in the report.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Test Results:          | Pass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**Test data:**

| Worse case mode: |               | 802.11b(1Mbps) |                | Test channel: |        | Lowest        |           |                |             |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       | (m)            | (Degree)    |
| 2390.000         | 58.36         | -9.2           | 49.16          | 74            | -24.84 | peak          | H         | 1.5            | 244         |
| 2390.000         | 44.21         | -9.2           | 35.01          | 54            | -18.99 | AVG           | H         | 1.5            | 74          |
| 2400.000         | 59.95         | -9.39          | 50.56          | 74            | -23.44 | peak          | H         | 1.5            | 357         |
| 2400.000         | 46.00         | -9.39          | 36.61          | 54            | -17.39 | AVG           | H         | 1.5            | 3           |
| 2390.000         | 58.39         | -9.2           | 49.19          | 74            | -24.81 | peak          | V         | 1.5            | 308         |
| 2390.000         | 44.43         | -9.2           | 35.23          | 54            | -18.77 | AVG           | V         | 1.5            | 127         |
| 2400.000         | 59.85         | -9.39          | 50.46          | 74            | -23.54 | peak          | V         | 1.5            | 8           |
| 2400.000         | 46.78         | -9.39          | 37.39          | 54            | -16.61 | AVG           | V         | 1.5            | 34          |

| Worse case mode: |               | 802.11b(1Mbps) |                | Test channel: |        | Highest       |           |                |             |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       | (m)            | (Degree)    |
| 2483.500         | 58.36         | -9.29          | 49.07          | 74            | -24.93 | peak          | H         | 1.5            | 360         |
| 2483.500         | 44.37         | -9.29          | 35.08          | 54            | -18.92 | AVG           | H         | 1.5            | 8           |
| 2483.500         | 58.41         | -9.29          | 49.12          | 74            | -24.88 | peak          | V         | 1.5            | 342         |
| 2483.500         | 46.02         | -9.29          | 36.73          | 54            | -17.27 | AVG           | V         | 1.5            | 252         |

| Worse case mode: |               | 802.11g(6Mbps) |                | Test channel: |        | Lowest        |           |                |             |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       | (m)            | (Degree)    |
| 2390.000         | 58.37         | -9.2           | 49.17          | 74            | -24.83 | peak          | H         | 1.5            | 125         |
| 2390.000         | 44.38         | -9.2           | 35.18          | 54            | -18.82 | AVG           | H         | 1.5            | 168         |
| 2400.000         | 60.19         | -9.39          | 50.80          | 74            | -23.20 | peak          | H         | 1.5            | 21          |
| 2400.000         | 46.21         | -9.39          | 36.82          | 54            | -17.18 | AVG           | H         | 1.5            | 305         |
| 2390.000         | 58.62         | -9.2           | 49.42          | 74            | -24.58 | peak          | V         | 1.5            | 7           |
| 2390.000         | 44.40         | -9.2           | 35.20          | 54            | -18.80 | AVG           | V         | 1.5            | 157         |
| 2400.000         | 59.61         | -9.39          | 50.22          | 74            | -23.78 | peak          | V         | 1.5            | 274         |
| 2400.000         | 46.65         | -9.39          | 37.26          | 54            | -16.74 | AVG           | V         | 1.5            | 330         |

| Worse case mode: |               | 802.11g(6Mbps) |                | Test channel: |        | Highest       |           |                |             |
|------------------|---------------|----------------|----------------|---------------|--------|---------------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor         | Emission Level | Limits        | Over   | Detector Type | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)           | (dBμV/m)       | (dBμV/m)      | (dB)   |               | H/V       | (m)            | (Degree)    |
| 2483.500         | 57.67         | -9.29          | 48.38          | 74            | -25.62 | peak          | H         | 1.5            | 42          |
| 2483.500         | 44.07         | -9.29          | 34.78          | 54            | -19.22 | AVG           | H         | 1.5            | 217         |
| 2483.500         | 57.63         | -9.29          | 48.34          | 74            | -25.66 | peak          | V         | 1.5            | 75          |
| 2483.500         | 45.96         | -9.29          | 36.67          | 54            | -17.33 | AVG           | V         | 1.5            | 27          |

| Worse case mode: |               | 802.11n(HT20)(6.5Mbps) |                | Test channel: |        | Lowest   |           |                |             |
|------------------|---------------|------------------------|----------------|---------------|--------|----------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor                 | Emission Level | Limits        | Over   | Detector | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)                   | (dBμV/m)       | (dBμV/m)      | (dB)   | Type     | H/V       | (m)            | (Degree)    |
| 2390.000         | 58.94         | -9.2                   | 49.74          | 74            | -24.26 | peak     | H         | 1.5            | 296         |
| 2390.000         | 44.23         | -9.2                   | 35.03          | 54            | -18.97 | AVG      | H         | 1.5            | 184         |
| 2400.000         | 59.61         | -9.39                  | 50.22          | 74            | -23.78 | peak     | H         | 1.5            | 164         |
| 2400.000         | 46.73         | -9.39                  | 37.34          | 54            | -16.66 | AVG      | H         | 1.5            | 167         |
| 2390.000         | 58.90         | -9.2                   | 49.70          | 74            | -24.30 | peak     | V         | 1.5            | 149         |
| 2390.000         | 44.12         | -9.2                   | 34.92          | 54            | -19.08 | AVG      | V         | 1.5            | 195         |
| 2400.000         | 59.40         | -9.39                  | 50.01          | 74            | -23.99 | peak     | V         | 1.5            | 227         |
| 2400.000         | 46.96         | -9.39                  | 37.57          | 54            | -16.43 | AVG      | V         | 1.5            | 212         |

| Worse case mode: |               | 802.11n(HT20)(6.5Mbps) |                | Test channel: |        | Highest  |           |                |             |
|------------------|---------------|------------------------|----------------|---------------|--------|----------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor                 | Emission Level | Limits        | Over   | Detector | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)                   | (dBμV/m)       | (dBμV/m)      | (dB)   | Type     | H/V       | (m)            | (Degree)    |
| 2483.500         | 58.36         | -9.29                  | 49.07          | 74            | -24.93 | peak     | H         | 1.5            | 259         |
| 2483.500         | 43.88         | -9.29                  | 34.59          | 54            | -19.41 | AVG      | H         | 1.5            | 34          |
| 2483.500         | 57.68         | -9.29                  | 48.39          | 74            | -25.61 | peak     | V         | 1.5            | 46          |
| 2483.500         | 46.08         | -9.29                  | 36.79          | 54            | -17.21 | AVG      | V         | 1.5            | 314         |

| Worse case mode: |               | 802.11n(HT40)(13.5Mbps) |                | Test channel: |        | Lowest   |           |                |             |
|------------------|---------------|-------------------------|----------------|---------------|--------|----------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor                  | Emission Level | Limits        | Over   | Detector | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)                    | (dBμV/m)       | (dBμV/m)      | (dB)   | Type     | H/V       | (m)            | (Degree)    |
| 2390.000         | 58.77         | -9.2                    | 49.57          | 74            | -24.43 | peak     | H         | 1.5            | 229         |
| 2390.000         | 44.30         | -9.2                    | 35.10          | 54            | -18.90 | AVG      | H         | 1.5            | 154         |
| 2400.000         | 59.34         | -9.39                   | 49.95          | 74            | -24.05 | peak     | H         | 1.5            | 143         |
| 2400.000         | 46.47         | -9.39                   | 37.08          | 54            | -16.92 | AVG      | H         | 1.5            | 201         |
| 2390.000         | 58.52         | -9.2                    | 49.32          | 74            | -24.68 | peak     | V         | 1.5            | 88          |
| 2390.000         | 44.72         | -9.2                    | 35.52          | 54            | -18.48 | AVG      | V         | 1.5            | 177         |
| 2400.000         | 59.94         | -9.39                   | 50.55          | 74            | -23.45 | peak     | V         | 1.5            | 104         |
| 2400.000         | 46.94         | -9.39                   | 37.55          | 54            | -16.45 | AVG      | V         | 1.5            | 37          |

| Worse case mode: |               | 802.11n(HT40)(13.5Mbps) |                | Test channel: |        | Highest  |           |                |             |
|------------------|---------------|-------------------------|----------------|---------------|--------|----------|-----------|----------------|-------------|
| Frequency        | Meter Reading | Factor                  | Emission Level | Limits        | Over   | Detector | Ant. Pol. | Antenna Height | Table Angle |
| (MHz)            | (dBμV)        | (dB)                    | (dBμV/m)       | (dBμV/m)      | (dB)   | Type     | H/V       | (m)            | (Degree)    |
| 2483.500         | 57.85         | -9.29                   | 48.56          | 74            | -25.44 | peak     | H         | 1.5            | 339         |
| 2483.500         | 44.30         | -9.29                   | 35.01          | 54            | -18.99 | AVG      | H         | 1.5            | 48          |
| 2483.500         | 57.77         | -9.29                   | 48.48          | 74            | -25.52 | peak     | V         | 1.5            | 65          |
| 2483.500         | 45.88         | -9.29                   | 36.59          | 54            | -17.41 | AVG      | V         | 1.5            | 7           |

**Note:**

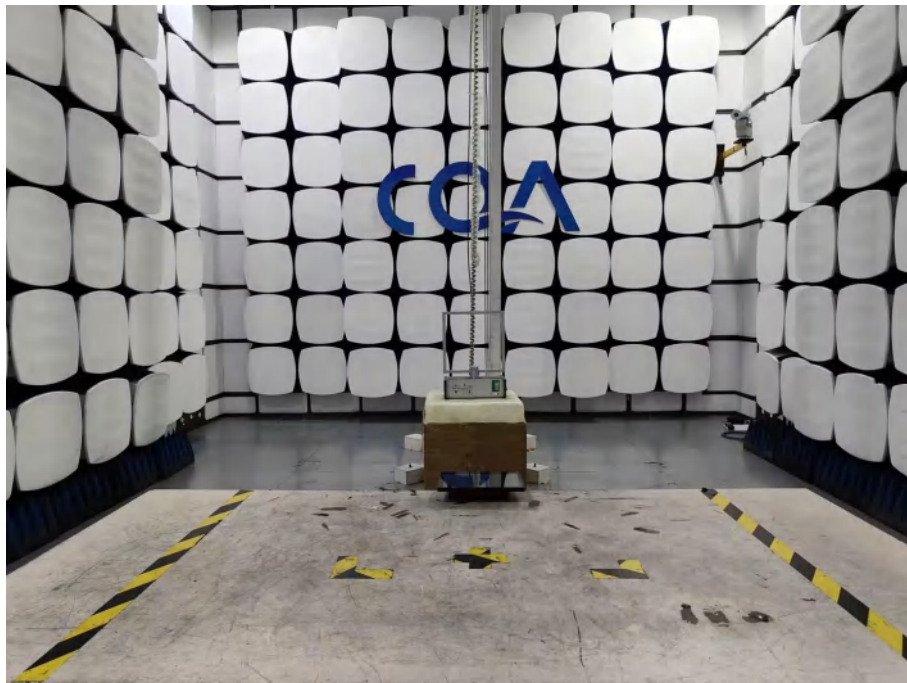
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

*Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor*

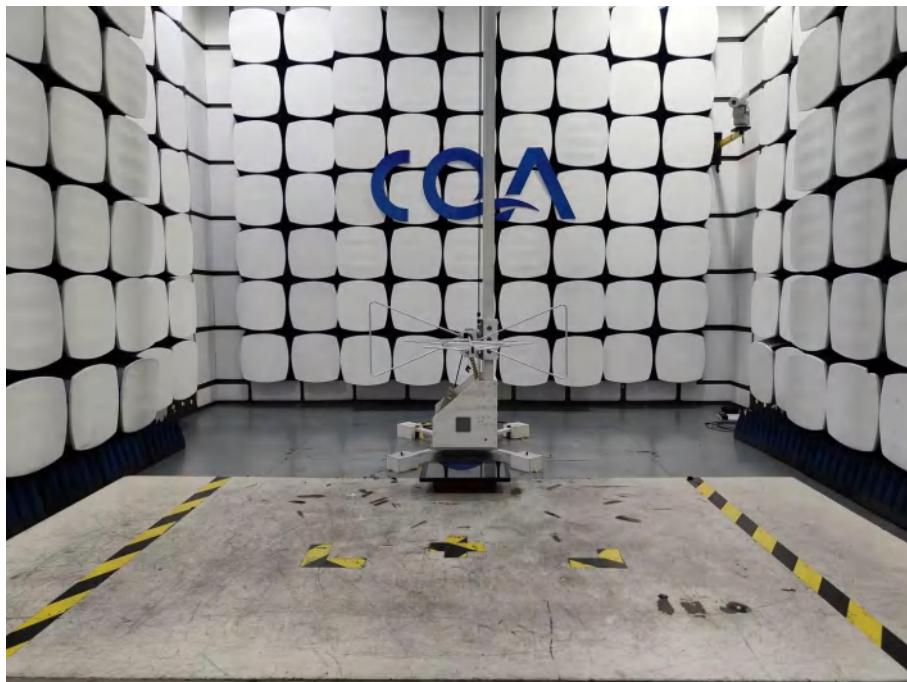
## 6 Photographs - EUT Test Setup

### 6.1 Radiated Spurious Emission

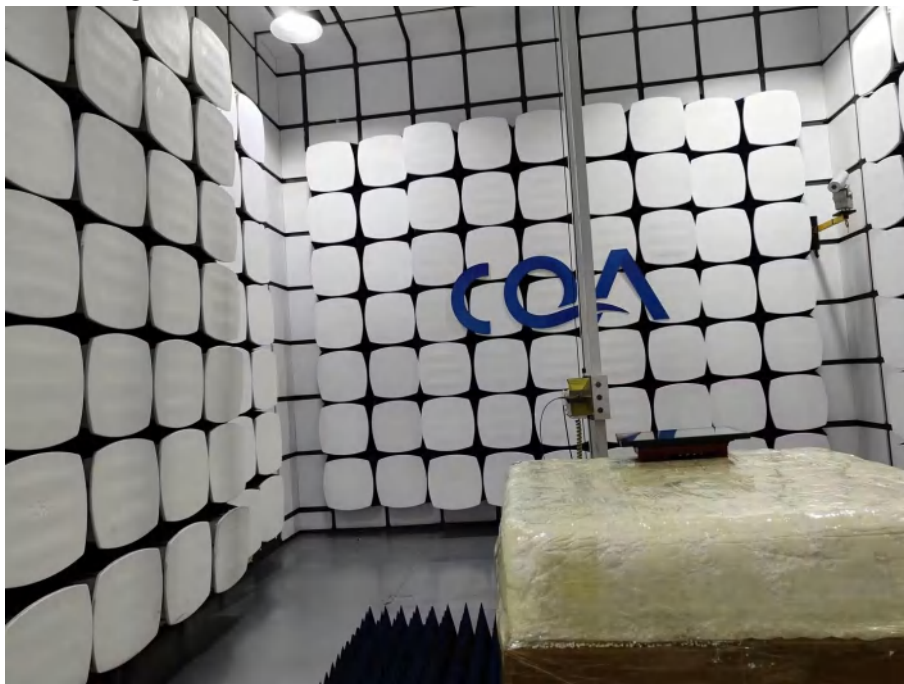
9kHz~30MHz:



30MHz~1GHz:



Above 1GHz:



## 7 Photographs - EUT Constructional Details

Refer to PHOTOGRAPHS OF EUT for External photos and Internal photos.

\*\*\* END OF REPORT \*\*\*