



# FCC RADIO TEST REPORT

FCC ID : A4RGGE4J  
Equipment : Wireless Device  
Model Name : GGE4J  
Applicant : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
Standard : 47 CFR FCC Part 15.519

The product was received on Mar. 14, 2024, and testing was performed from Apr. 09, 2024 to Apr. 16, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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### History of this test report

| Report No. | Version | Description   | Issue Date    |
|------------|---------|---|---------------|
| FR4201071  | 01      | Initial issue of report   | Apr. 23, 2024 |
| FR4201071  | 02      | Revise UWB bandwidth and Radiated Emissions<br>This report is an updated version, replacing the report issued on Apr. 23, 2024. | Apr. 26, 2024 |
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### Summary of Test Result

| Report Clause | Ref Std. Clause      | Test Items                                       | Result (PASS/FAIL) | Remark   |
|---------------|----------------------|--|--------------------|--|
| 1.1           | 15.203               | Antenna Requirement                              | PASS               | 15.203   |
| 3.1           | 15.207               | AC Power-line Conducted Emissions                | PASS               | 15.207   |
| 3.2           | 15.503               | UWB Bandwidth                                    | PASS               | ≥ 500MHz   |
| 3.3           | 15.519(a)(1)         | Technical requirements for Hand Held UWB systems | PASS               | 15.519(a)(1)   |
| 3.4           | 15.519(e)            | Peak Power Measurement                           | PASS               | ≤ 0 dBm/50MHz  |
| 3.5           | 15.519(c) /15.519(d) | Radiated Emissions                               | PASS               | UWB Emissions:<br>15.519(c)<br>GPS Emissions:<br>15.519(d)<br>Digital Emissions:<br>15.209 |

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

**Reviewed by: Yun Huang**  
**Report Producer: Ming Chen**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature  |  |
|--|--|
| <b>General Specs</b><br>Bluetooth, BLE, BLE (CH2-76), Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, NFC, GPS and UWB. |  |
| <b>Antenna Type</b><br>UWB: PIFA Antenna   |  |

| Antenna information |                        |      |
|---------------------|------------------------|------|
| <b>6489.6 MHz</b>   | <b>Peak Gain (dBi)</b> | -2.0 |
| <b>7987.2 MHz</b>   | <b>Peak Gain (dBi)</b> | 1.2  |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

| EUT Information List |                                     |
|----------------------|-------------------------------------|
| S/N                  | Performed Test Item                 |
| 41291JEAYW00T1       | Equivalent Isotropic Radiated Power |
|                      | Radiated Spurious Emission          |
| 41311JEAYL01N6       | Conducted Emission                  |

## 1.2 Modification of EUT

No modifications are made to the EUT during all test items.



### 1.3 Type of EUT

| Operational Condition               |   |
|-------------------------------------|---|
| EUT Power Type                      | AC mains: AC voltage 120 V  |
| Type of EUT                         |   |
| <input checked="" type="checkbox"/> | Stand-alone   |
| <input type="checkbox"/>            | Combined (EUT where the radio part is fully integrated within another device)<br>Combined Equipment - Brand Name / Model No.: ... |
| <input type="checkbox"/>            | Plug-in radio (EUT intended for a variety of host systems)<br>Host System - Brand Name / Model No.: ...                           |
| <input type="checkbox"/>            | Other:  |

### 1.4 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01

**Remark:** The TAF code is not including all the FCC KDB listed without accreditation.



### 1.5 Testing Location Information

|                           |  |           |
|---------------------------|--|-----------|
| <b>Test Site</b>          | Sporton International Inc. Wensan Laboratory   |           |
| <b>Test Site Location</b> | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City 333010, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |           |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>  |           |
|                           | CO07-HY  | 03CH22-HY |

**Note:** The test site complies with ANSI C63.4 2014 requirement.  
FCC designation No.: TW3786

| Test Condition | Test Site No. | Test Engineer                     | Test Environment            | Test Date                       |
|----------------|---------------|-----------------------------------|-----------------------------|---------------------------------|
| Conduction     | CO07-HY       | Louis Chung                       | 23.1~25.7 °C<br>42.2~53.3 % | Apr. 15, 2024                   |
| Radiated       | 03CH22-HY     | Bank Lin, Ken Kuo and<br>Karl Hou | 22.5~23.5 °C<br>61.7~65.3 % | Apr. 09, 2024~<br>Apr. 16, 2024 |

### 1.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

| Test Items                          | Uncertainty | Remark                   |
|-------------------------------------|-------------|--------------------------|
| AC Conduction (150kHz ~ 30MHz)      | 3.44 dB     | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1000MHz) | 6.5 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 6GHz)     | 4.5 dB      | Confidence levels of 95% |
| Radiated Emission (6GHz ~ 18GHz)    | 4.5 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)   | 5.4 dB      | Confidence levels of 95% |



## 2 Test Configuration of EUT




### 2.1 Test Mode

| Test Configuration |         |            |           |            |                        |
|--------------------|---------|------------|-----------|------------|------------------------|
| Config             | Channel | Modulation | UWB Frame | HPRF Set # | Payload Length (bytes) |
| Mode 1             | 5       | BPRF9      | 0         | 0          | 127                    |
| Mode 2             | 5       | BPRF10     | 0         | 0          | 127                    |
| Mode 3             | 5       | BPRF9      | 1         | 1          | 127                    |
| Mode 4             | 5       | BPRF10     | 1         | 1          | 127                    |
| Mode 5             | 5       | BPRF9      | 3         | 1          | 0                      |
| Mode 6             | 5       | BPRF10     | 3         | 1          | 0                      |
| Mode 7             | 5       | HPRF27     | 0         | 0          | 127                    |
| Mode 8             | 5       | HPRF27     | 1         | 2          | 127                    |
| Mode 9             | 5       | HPRF27     | 3         | 2          | 0                      |
| Mode 10            | 9       | BPRF9      | 0         | 0          | 127                    |
| Mode 11            | 9       | BPRF10     | 0         | 0          | 127                    |
| Mode 12            | 9       | BPRF9      | 1         | 1          | 127                    |
| Mode 13            | 9       | BPRF10     | 1         | 1          | 127                    |
| Mode 14            | 9       | BPRF9      | 3         | 1          | 0                      |
| Mode 15            | 9       | BPRF10     | 3         | 1          | 0                      |
| Mode 16            | 9       | HPRF27     | 0         | 0          | 127                    |
| Mode 17            | 9       | HPRF27     | 1         | 2          | 127                    |
| Mode 18            | 9       | HPRF27     | 3         | 2          | 0                      |

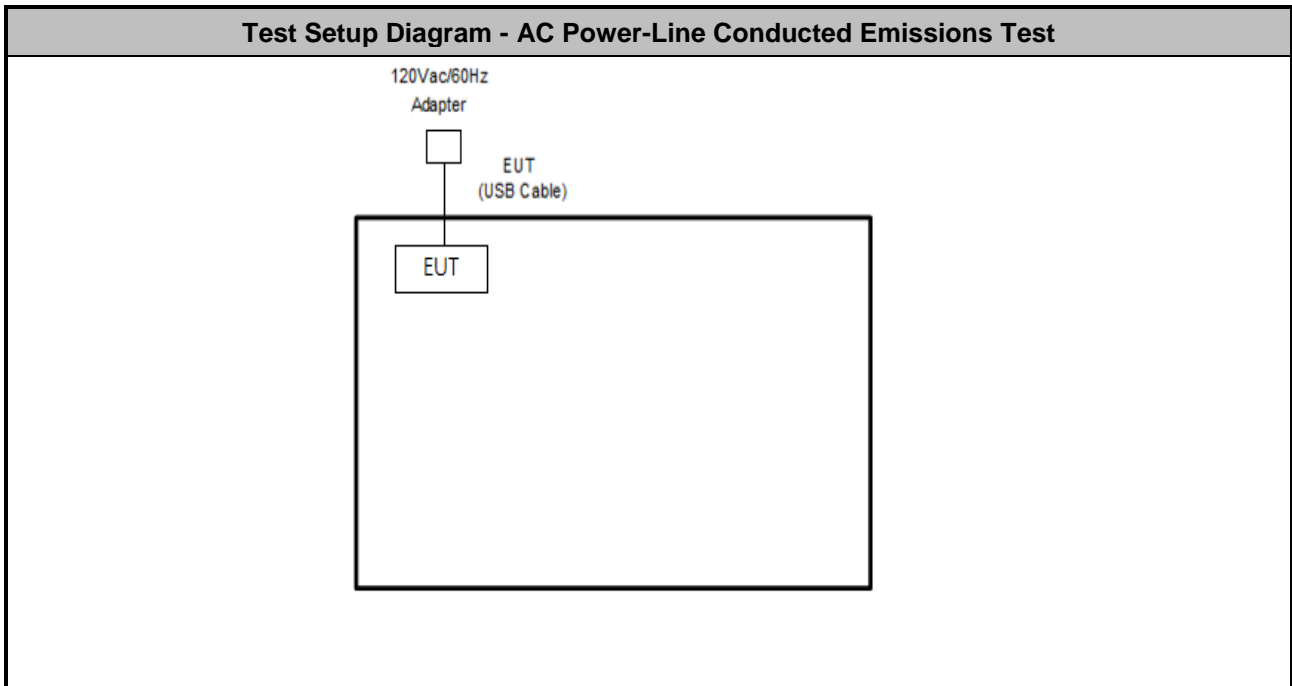
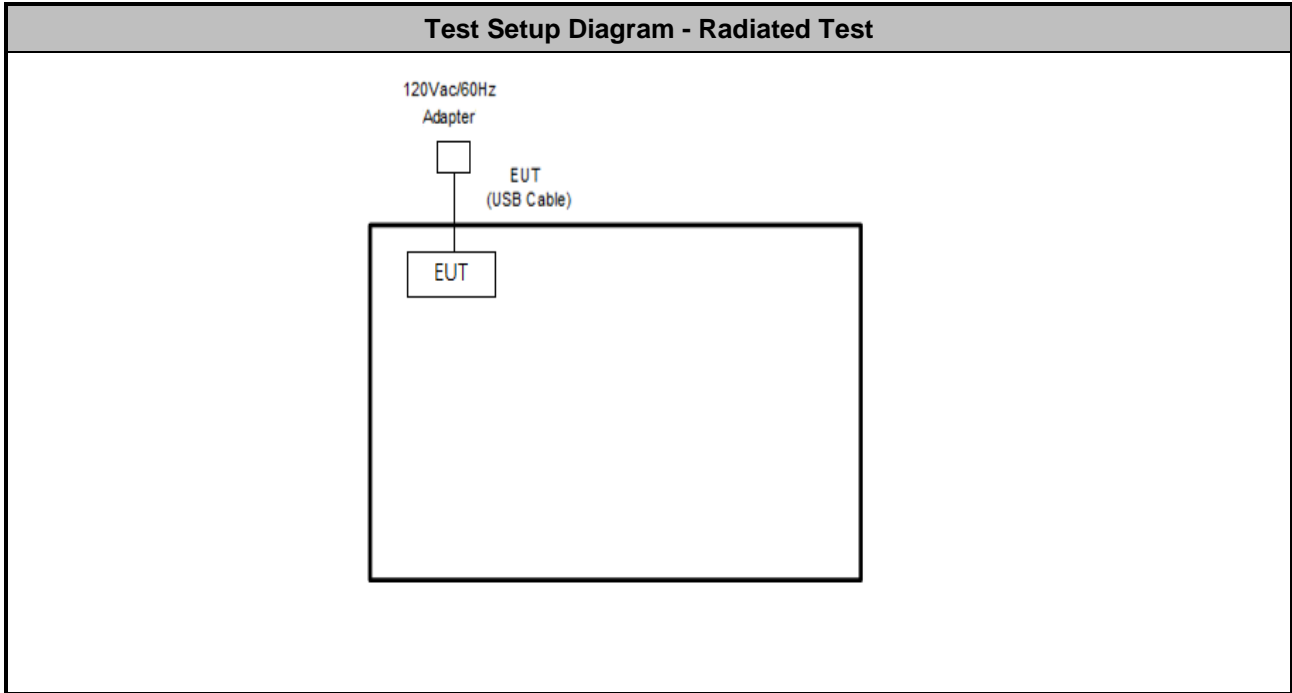


## 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests  |   |
|--|---|
| Tests Item   | AC power-line conducted emissions   |
| Condition  | AC power-line conducted measurement for line and neutral<br>Test Voltage: 120Vac / 60Hz |
| Operating Mode   | CTX   |
| 1  | Adapter Mode  |
| <b>Remark:</b> Please refer to 15.207 which states, "Measurements to demonstrate compliance with the conducted limits are not required for devices employ Battery for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines". |   |

| The Worst Case Mode for Following Conformance Tests   |   |  |   |
|---|---|--|---|
| Tests Item  | UWB Bandwidth, Peak Power Measurement, Radiated Emissions                           |  |   |
| Test Condition  | Radiated measurement  |  |   |
| Operating Mode  | CTX   |  |   |
| 1   | Adapter Mode  |  |   |
| Mode 1 configuration was tested and found to be the worst case and measured during the test.  |   |  |   |
| Operating Mode > 1GHz   | CTX   |  |   |
| Orthogonal Planes of EUT  | X Plane   | Y Plane  | Z Plane   |
|   |  |  |  |
| CH05  |   | V  |   |
| CH09  | V   |  |   |
| <b>Remark:</b> The measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find as worst plane, and recorded in this report. |   |  |   |

### 2.3 Test Setup Diagram



### 2.4 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|-----------|------------|------------|--------|------------|------------|
| 1.   | Adapter   | Chicony    | G9BR1      | N/A    | N/A        | N/A        |
| 2.   | Adapter   | Aohai      | G9BR1      | N/A    | N/A        | N/A        |

### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

| AC Power-line Conducted Emissions Limit |            |           |
|---|------------|-----------|
| Frequency Emission (MHz)                | Quasi-Peak | Average   |
| 0.15-0.5                                | 66 - 56 *  | 56 - 46 * |
| 0.5-5                                   | 56         | 46        |
| 5-30                                    | 60         | 50        |

Note 1: \* Decreases with the logarithm of the frequency.

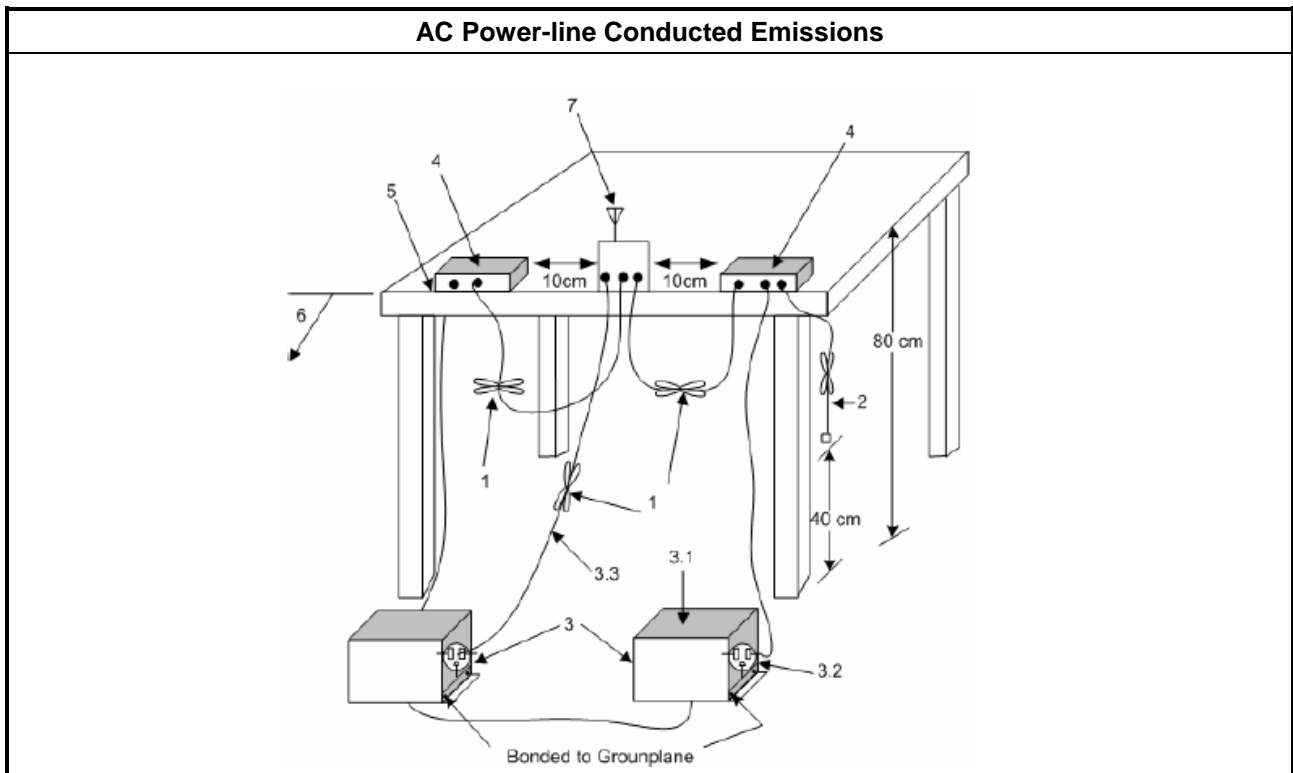
##### 3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

##### 3.1.3 Test Procedures

| Test Method  |
|--|
| ■ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions. |

##### 3.1.4 Test Setup



##### 3.1.5 Test Result

Please refer to Appendix A.

### 3.2 UWB bandwidth

#### 3.2.1 UWB bandwidth Limit

| UWB bandwidth Limit  |
|--|
| UWB bandwidth $\geq$ 500 MHz or Fractional bandwidth $\geq$ 0.2; Fractional bandwidth = $2(f_H - f_L) / (f_H + f_L)$ |

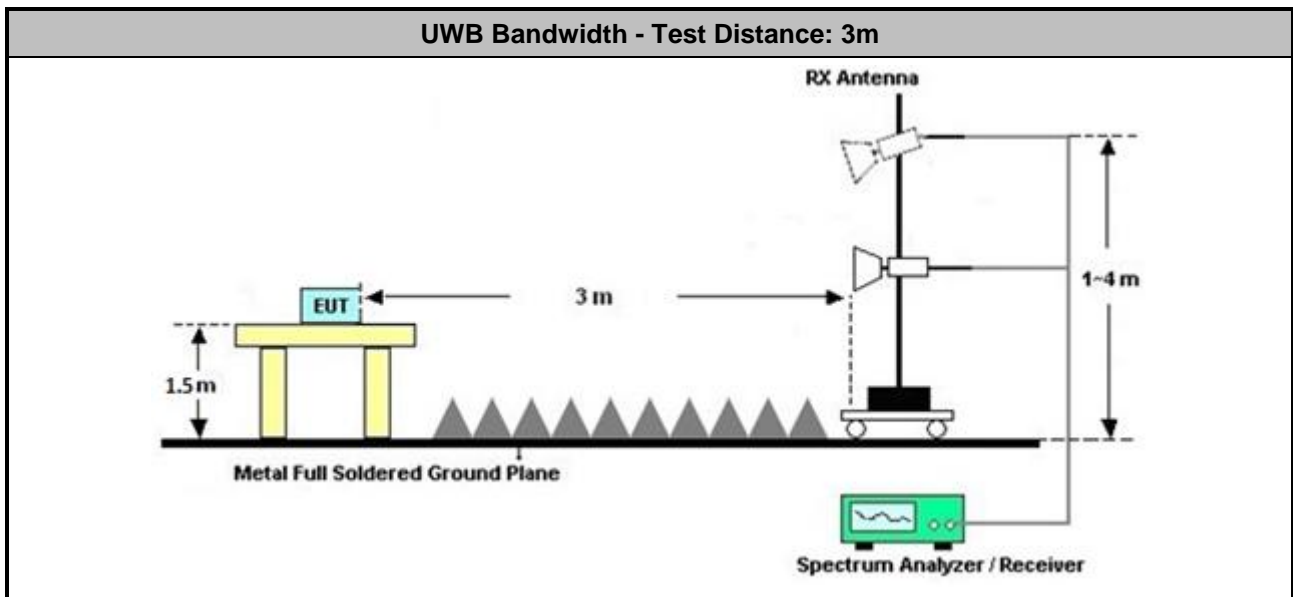
#### 3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.2.3 Test Procedures

| Test Method   |
|---|
| <ul style="list-style-type: none"> <li>■ For the UWB bandwidth shall be measured using one of the options below:</li> </ul>       |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 6.9.2 and clause 10.1 for UWB bandwidth testing.</li> </ul> |

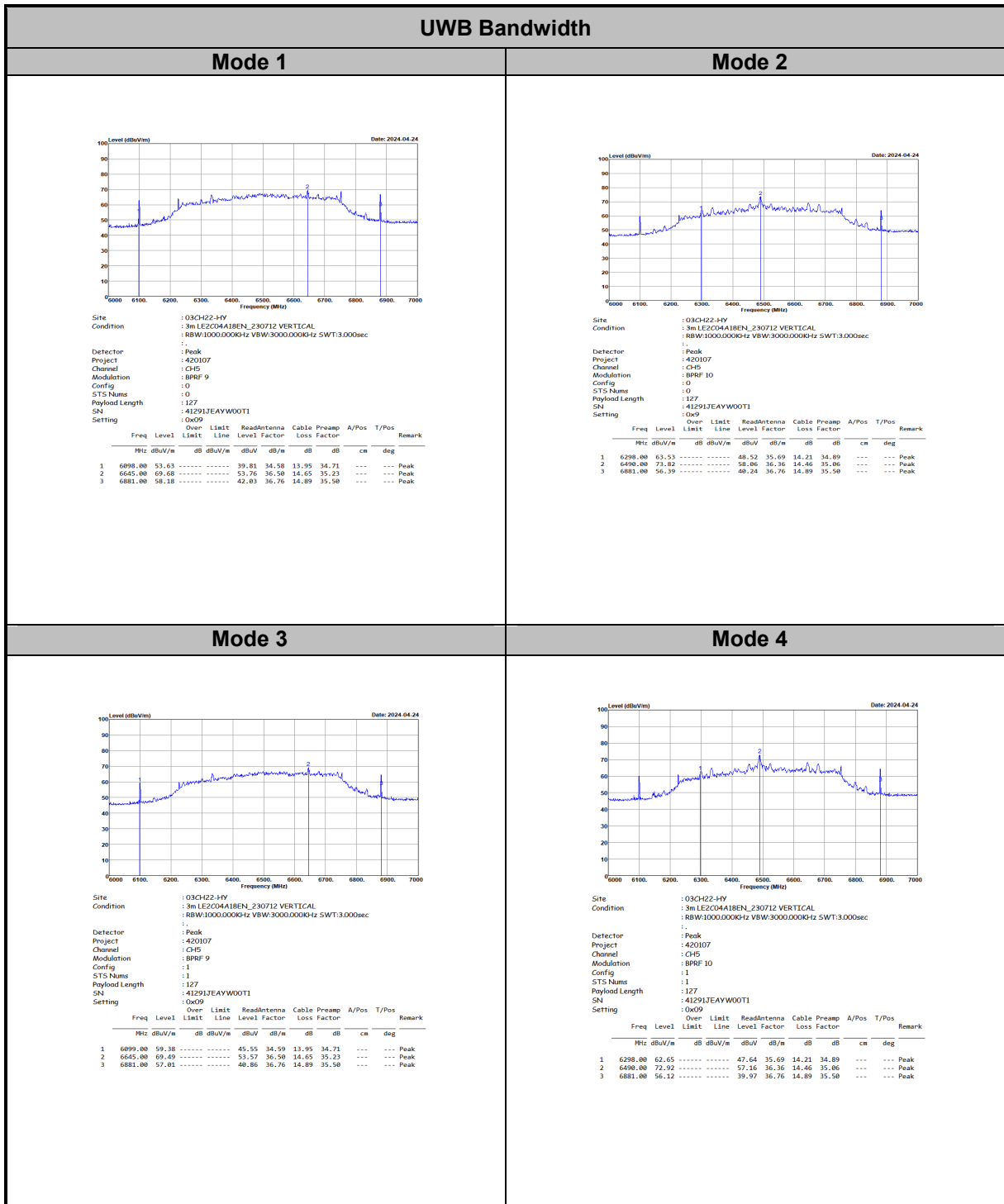
#### 3.2.4 Test Setup





3.2.5 Test Result of UWB Bandwidth

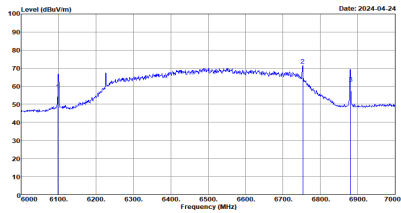
| Test mode | F <sub>L</sub><br>(MHz) | F <sub>H</sub><br>(MHz) | UWB Bandwidth<br>(MHz) | Bandwidth limit<br>(MHz) | Result | PoI<br>[H/V] |
|-----------|-------------------------|-------------------------|------------------------|--------------------------|--------|--------------|
| 1         | 6098                    | 6881                    | 783                    | ≥ 500                    | Pass   | V            |
| 2         | 6298                    | 6881                    | 583                    | ≥ 500                    | Pass   | V            |
| 3         | 6099                    | 6881                    | 782                    | ≥ 500                    | Pass   | V            |
| 4         | 6298                    | 6881                    | 583                    | ≥ 500                    | Pass   | V            |
| 5         | 6098                    | 6881                    | 783                    | ≥ 500                    | Pass   | V            |
| 6         | 6098                    | 6881                    | 783                    | ≥ 500                    | Pass   | V            |
| 7         | 6098                    | 6881                    | 783                    | ≥ 500                    | Pass   | V            |
| 8         | 6227                    | 6881                    | 654                    | ≥ 500                    | Pass   | V            |
| 9         | 6098                    | 6881                    | 783                    | ≥ 500                    | Pass   | V            |
| 10        | 7596                    | 8379                    | 783                    | ≥ 500                    | Pass   | V            |
| 11        | 7723                    | 8378                    | 655                    | ≥ 500                    | Pass   | V            |
| 12        | 7596                    | 8379                    | 783                    | ≥ 500                    | Pass   | V            |
| 13        | 7795                    | 8378                    | 583                    | ≥ 500                    | Pass   | V            |
| 14        | 7595                    | 8379                    | 784                    | ≥ 500                    | Pass   | V            |
| 15        | 7596                    | 8379                    | 783                    | ≥ 500                    | Pass   | V            |
| 16        | 7596                    | 8379                    | 783                    | ≥ 500                    | Pass   | V            |
| 17        | 7596                    | 8379                    | 783                    | ≥ 500                    | Pass   | V            |
| 18        | 7595                    | 8379                    | 784                    | ≥ 500                    | Pass   | V            |





UWB Bandwidth

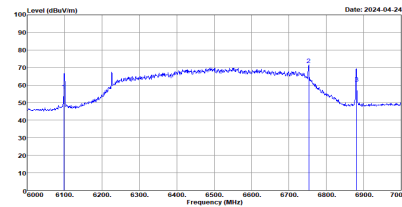
Mode 5



Site : 03CH22-HY  
 Condition : 3m LEZC04A1BEN\_230712 VERTICAL  
 : RBW:1000.000kHz VBW:3000.000kHz SWT:3.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 3  
 STS Num : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 SN : 0x09

| Setting | Over    | Limit | ReadAntenna | Cable       | Preamp | A/Pos  | T/Pos | Remark |        |
|---------|---------|-------|-------------|-------------|--------|--------|-------|--------|--------|
| Level   | Line    | Level | Factor      | Loss        | Factor | dB     | cm    | deg    |        |
| Freq    | Level   | Over  | Limit       | ReadAntenna | Cable  | Preamp | A/Pos | T/Pos  | Remark |
| MHz     | dBV/m   | dB    | dBV/m       | dBV/m       | dB     | dB     | cm    | deg    |        |
| 1       | 6898.00 | 57.76 | -----       | 43.94       | 34.58  | 13.95  | 34.71 | ---    | Peak   |
| 2       | 6753.00 | 71.64 | -----       | 55.54       | 36.70  | 14.75  | 35.35 | ---    | Peak   |
| 3       | 6881.00 | 61.43 | -----       | 45.28       | 36.76  | 14.89  | 35.58 | ---    | Peak   |

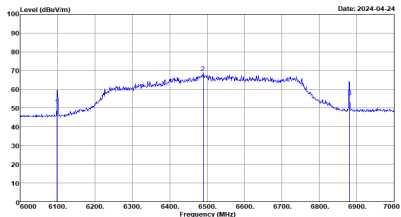
Mode 6



Site : 03CH22-HY  
 Condition : 3m LEZC04A1BEN\_230712 VERTICAL  
 : RBW:1000.000kHz VBW:3000.000kHz SWT:3.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 10  
 Config : 3  
 STS Num : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 SN : 0x09

| Setting | Over    | Limit | ReadAntenna | Cable       | Preamp | A/Pos  | T/Pos | Remark |        |
|---------|---------|-------|-------------|-------------|--------|--------|-------|--------|--------|
| Level   | Line    | Level | Factor      | Loss        | Factor | dB     | cm    | deg    |        |
| Freq    | Level   | Over  | Limit       | ReadAntenna | Cable  | Preamp | A/Pos | T/Pos  | Remark |
| MHz     | dBV/m   | dB    | dBV/m       | dBV/m       | dB     | dB     | cm    | deg    |        |
| 1       | 6898.00 | 56.73 | -----       | 42.91       | 34.58  | 13.95  | 34.71 | ---    | Peak   |
| 2       | 6753.00 | 71.54 | -----       | 55.44       | 36.70  | 14.75  | 35.35 | ---    | Peak   |
| 3       | 6881.00 | 61.07 | -----       | 44.92       | 36.76  | 14.89  | 35.58 | ---    | Peak   |

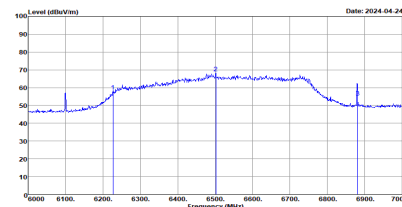
Mode 7



Site : 03CH22-HY  
 Condition : 3m LEZC04A1BEN\_230712 VERTICAL  
 : RBW:1000.000kHz VBW:3000.000kHz SWT:3.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 27  
 Config : 0  
 STS Num : 1  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 SN : 0x09

| Setting | Over    | Limit | ReadAntenna | Cable       | Preamp | A/Pos  | T/Pos | Remark |        |
|---------|---------|-------|-------------|-------------|--------|--------|-------|--------|--------|
| Level   | Line    | Level | Factor      | Loss        | Factor | dB     | cm    | deg    |        |
| Freq    | Level   | Over  | Limit       | ReadAntenna | Cable  | Preamp | A/Pos | T/Pos  | Remark |
| MHz     | dBV/m   | dB    | dBV/m       | dBV/m       | dB     | dB     | cm    | deg    |        |
| 1       | 6898.00 | 51.34 | -----       | 37.52       | 34.58  | 13.95  | 34.71 | ---    | Peak   |
| 2       | 6489.00 | 68.85 | -----       | 53.10       | 36.36  | 14.45  | 35.86 | ---    | Peak   |
| 3       | 6881.00 | 56.08 | -----       | 39.93       | 36.76  | 14.89  | 35.58 | ---    | Peak   |

Mode 8



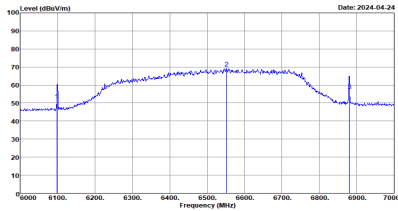
Site : 03CH22-HY  
 Condition : 3m LEZC04A1BEN\_230712 VERTICAL  
 : RBW:1000.000kHz VBW:3000.000kHz SWT:3.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 27  
 Config : 1  
 STS Num : 2  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 SN : 0x09

| Setting | Over    | Limit | ReadAntenna | Cable       | Preamp | A/Pos  | T/Pos | Remark |        |
|---------|---------|-------|-------------|-------------|--------|--------|-------|--------|--------|
| Level   | Line    | Level | Factor      | Loss        | Factor | dB     | cm    | deg    |        |
| Freq    | Level   | Over  | Limit       | ReadAntenna | Cable  | Preamp | A/Pos | T/Pos  | Remark |
| MHz     | dBV/m   | dB    | dBV/m       | dBV/m       | dB     | dB     | cm    | deg    |        |
| 1       | 6227.00 | 57.85 | -----       | 43.28       | 35.27  | 14.12  | 34.82 | ---    | Peak   |
| 2       | 6882.00 | 68.17 | -----       | 52.32       | 36.48  | 14.67  | 35.87 | ---    | Peak   |
| 3       | 6881.00 | 54.51 | -----       | 38.36       | 36.76  | 14.89  | 35.58 | ---    | Peak   |



UWB Bandwidth

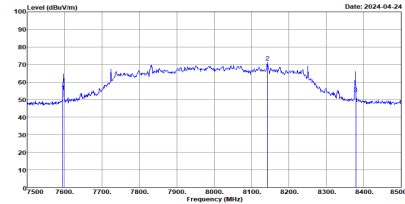
Mode 9



Site : 03CH22-HY
Condition : 3m LEZC04A1BEN\_230712 VERTICAL
Detector : Average
Project : 420107
Channel : CH9
Modulation : HPRF 27
Config : 3
STS Num : 2
Payload Length : 0
SN : 41291JEAYW00T1
Setting : 0x09

Table with 11 columns: Freq, Level, Over, Limit, ReadAntenna, Cable, Preamp, A/Pos, T/Pos, Remark. Contains 3 rows of peak data.

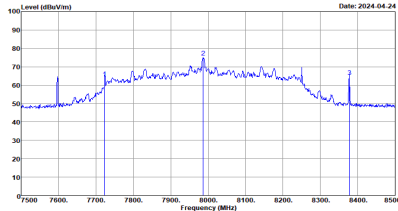
Mode 10



Site : 03CH22-HY
Condition : 3m LEZC04A1BEN\_230712 VERTICAL
Detector : Peak
Project : 420107
Channel : CH9
Modulation : BRPF 9
Config : 0
STS Num : 0
Payload Length : 127
SN : 41291JEAYW00T1
Setting : 0x10

Table with 11 columns: Freq, Level, Over, Limit, ReadAntenna, Cable, Preamp, A/Pos, T/Pos, Remark. Contains 3 rows of peak data.

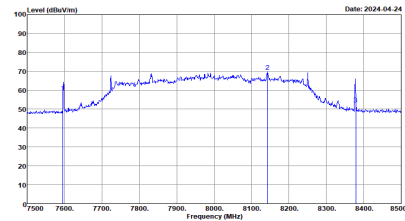
Mode 11



Site : 03CH22-HY
Condition : 3m LEZC04A1BEN\_230712 VERTICAL
Detector : Peak
Project : 420107
Channel : CH9
Modulation : BRPF 10
Config : 0
STS Num : 0
Payload Length : 127
SN : 41291JEAYW00T1
Setting : 0x10

Table with 11 columns: Freq, Level, Over, Limit, ReadAntenna, Cable, Preamp, A/Pos, T/Pos, Remark. Contains 3 rows of peak data.

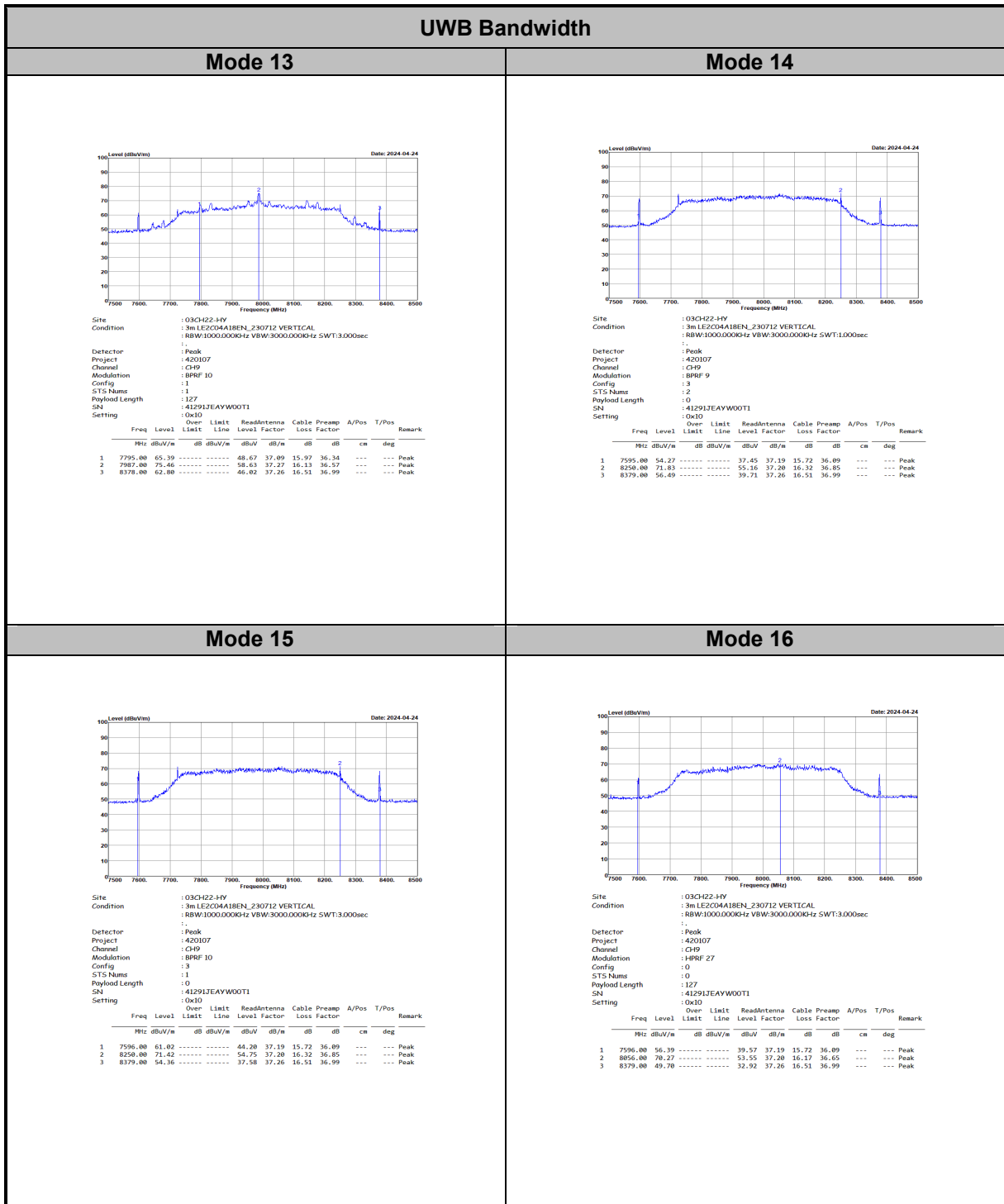
Mode 12

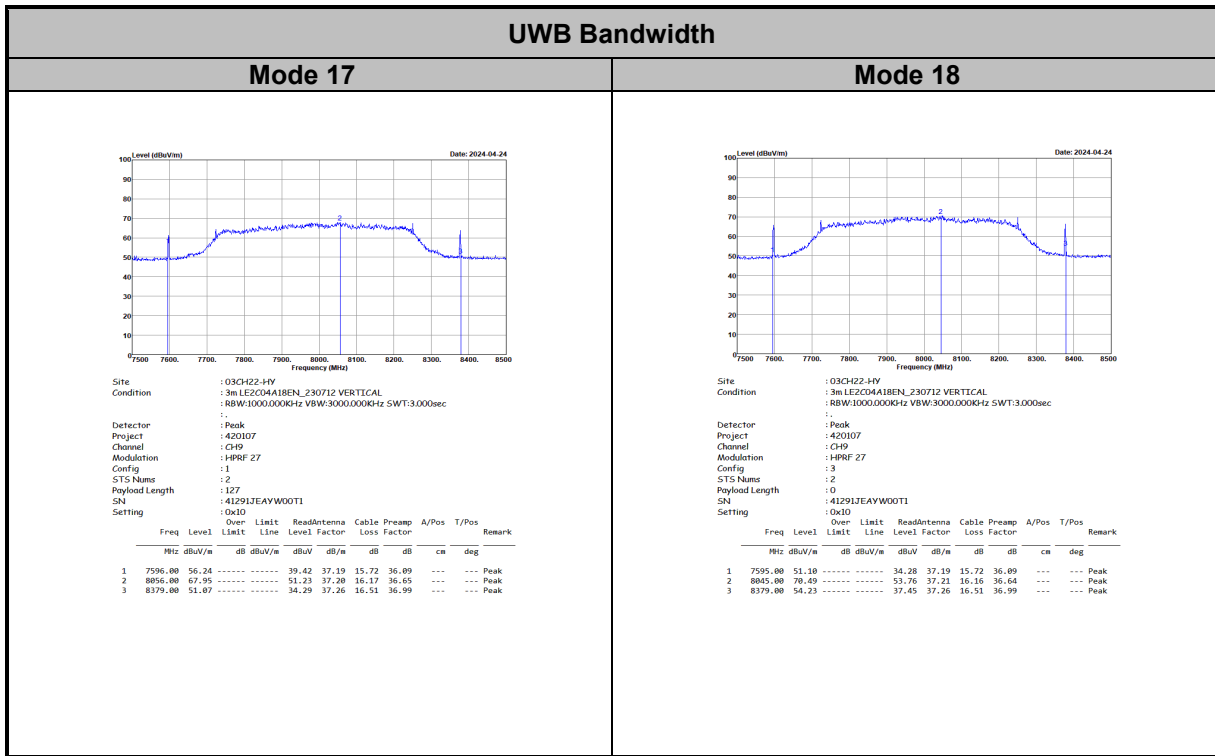


Site : 03CH22-HY
Condition : 3m LEZC04A1BEN\_230712 VERTICAL
Detector : Peak
Project : 420107
Channel : CH9
Modulation : BRPF 9
Config : 1
STS Num : 1
Payload Length : 127
SN : 41291JEAYW00T1
Setting : 0x10

Table with 11 columns: Freq, Level, Over, Limit, ReadAntenna, Cable, Preamp, A/Pos, T/Pos, Remark. Contains 3 rows of peak data.







### 3.3 Technical requirements for hand held UWB systems

#### 3.3.1 Technical Requirements for transmission Limit

FCC 15.519(a) (1) A UWB device operating under the provisions of this section shall transmit only when it is sending information to an associated receiver. The UWB intentional radiator shall cease transmission within 10 seconds unless it receives an acknowledgement from the associated receiver that its transmission is being received. An acknowledgment of reception must continue to be received by the UWB intentional radiator at least every 10 seconds or the UWB device must cease transmitting.

#### 3.3.2 Measuring Instruments

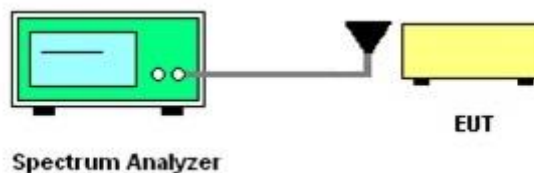
Refer a test equipment and calibration data table in this test report.

#### 3.3.3 Test Procedure

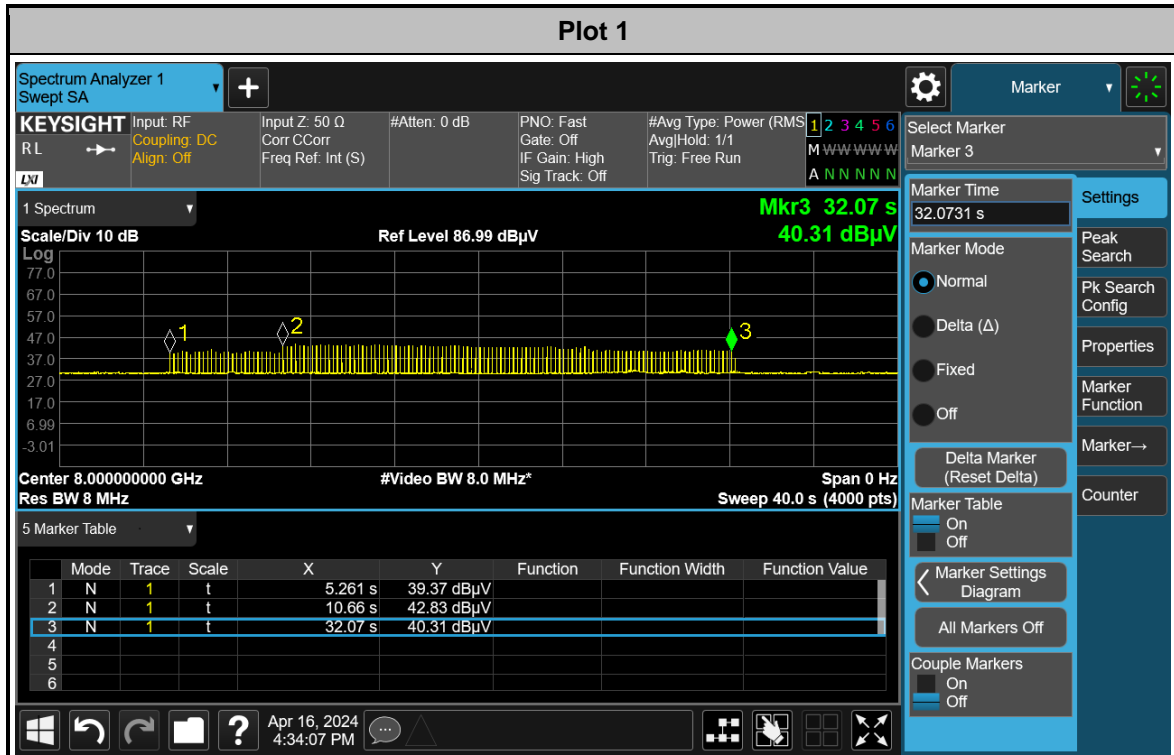
Follow the test step as below:

1. Turn on both EUT and companion receiver.
2. Set the EUT to TX mode, and EUT starts polling.
3. Set the companion receiver to associate EUT and EUT starts to transmit.
4. Disable the RX function of the companion receiver to disassociate the EUT.
5. Check if EUT stop transmitting once step 4 is made.

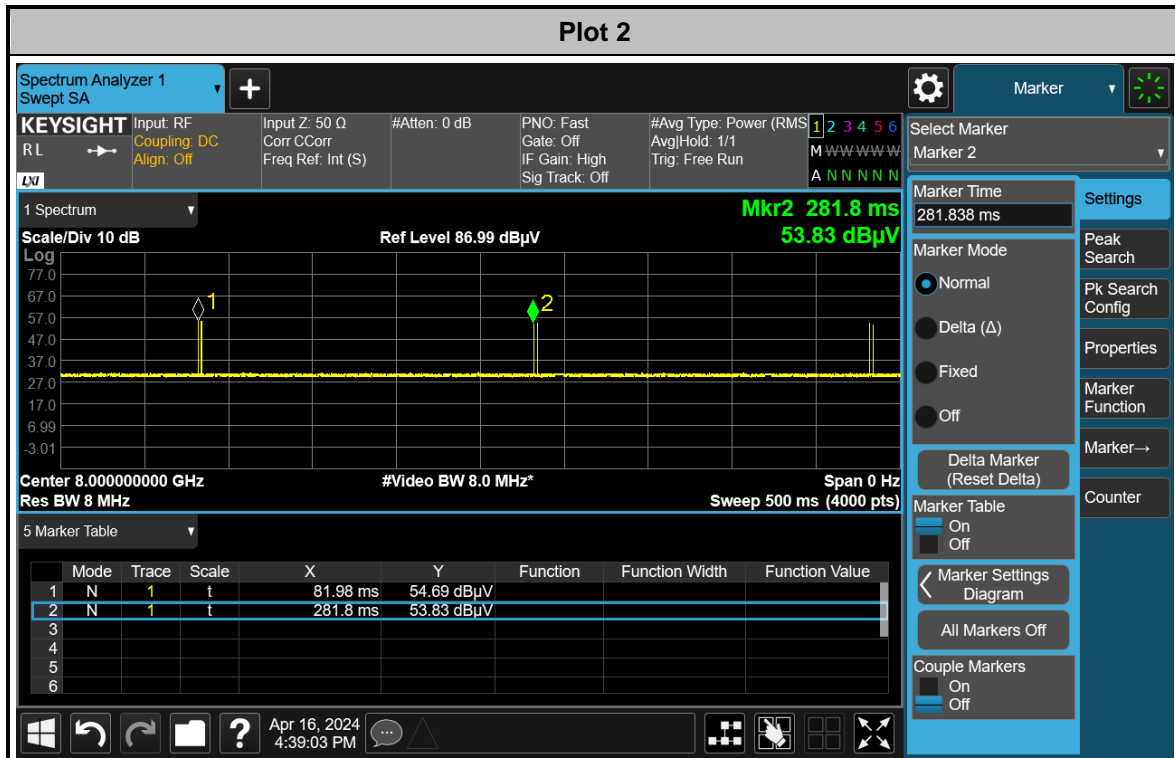
#### 3.3.4 Test Setup



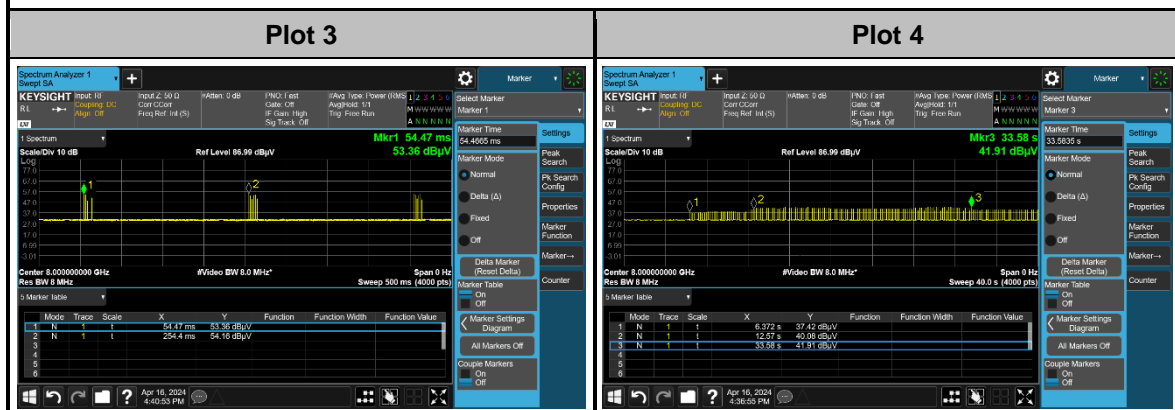
### 3.3.5 Test Result



M1 to M2: Set the EUT to TX mode, and EUT starts polling.  
M2 to M3: Set the companion receiver to associate EUT and EUT starts to transmit.  
M3: Disable the TX function of EUT. EUT stops transmitting and polling.



M1 to M2: Set the EUT to TX mode, and EUT starts polling.  
 M2 to M3: Set the companion receiver to associate EUT and EUT starts to transmit.  
 M3: RX function of the companion receiver is disabled. EUT disassociates the companion receiver and stops transmitting, but continues polling.



Plot 3 is zoom in plot of M2 to M3 (transmission)  
 Plot 4 is zoom in plot after M3 (polling only)

### 3.4 Peak Power Measurement

#### 3.4.1 Peak Power Measurement Limit

| Peak Power Measurement Limit            |
|---|
| $P_{eirp} = 0 \text{ dBm}/50\text{MHz}$ |

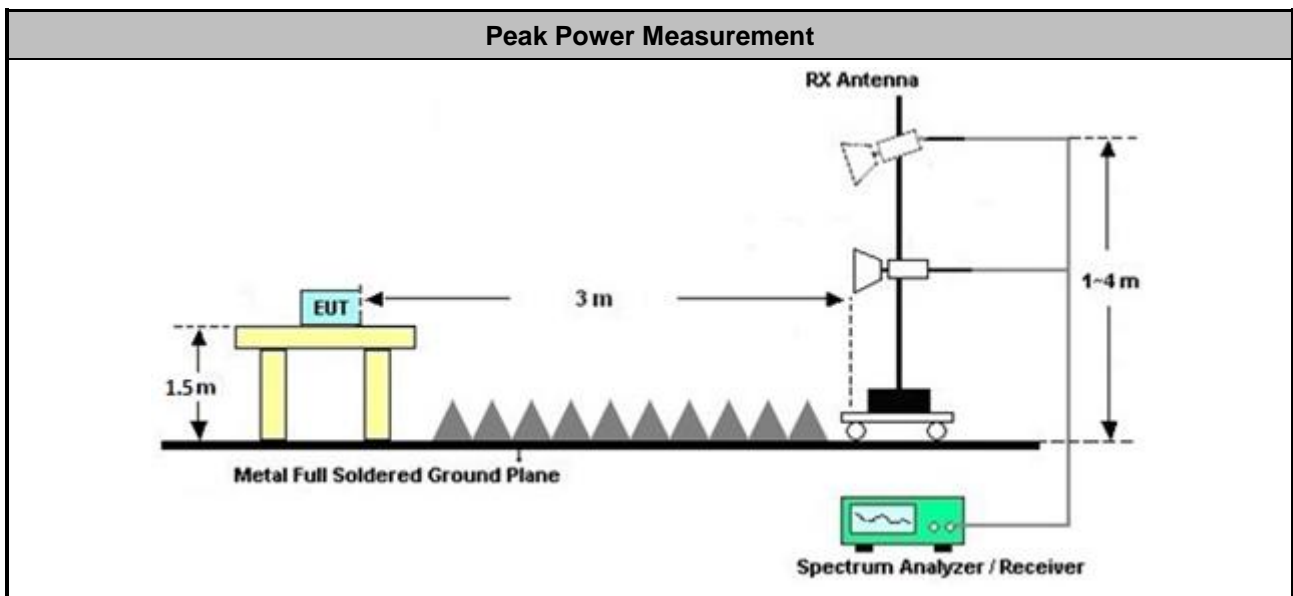
#### 3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.4.3 Test Procedures

| Test Method   |
|---|
| <ul style="list-style-type: none"> <li>■ Peak Power Measurement</li> </ul>  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 10.3.1 for radiated measurement procedure testing.</li> <li>■ Refer as ANSI C63.10, clause 10.3.2 for measurement distance is 3m.</li> <li>■ Refer as ANSI C63.10, clause 10.3.5 for peak detector procedure testing.</li> <li>■ Refer as ANSI C63.10, clause 10.3.6 for bandwidth conversion of peak power.</li> </ul>   |
| <ul style="list-style-type: none"> <li>■ Frequency of max peak power is pre-located:<br/>The span bandwidth is continuously reduced to find the worst frequency. Once the worst frequency is found, the setting of spectrum analyzer is set as below:               <ul style="list-style-type: none"> <li>• Central frequency: Worst frequency point</li> <li>• Span: Zero span</li> <li>• RBW: 50MHz</li> <li>• VBW: 80MHz</li> <li>• Detector: Peak detector</li> <li>• Trace: Max hold</li> </ul> </li> </ul> |

#### 3.4.4 Test Setup





3.4.5 Test Result of Peak Power Measurement

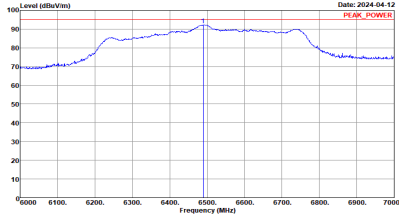
| Peak Measurement Result |             |                  |                             |                                   |             |        |           |
|-------------------------|-------------|------------------|-----------------------------|-----------------------------------|-------------|--------|-----------|
| Test Mode               | Freq. (MHz) | E-Field (dBuV/m) | ERIP <sub>50MHz</sub> (dBm) | ERIP <sub>50MHz</sub> Limit (dBm) | Margin (dB) | Result | Pol [H/V] |
| 1                       | 6489        | 92.22            | -3.01                       | 0                                 | -3.01       | Pass   | V         |
| 2                       | 6492        | 92.17            | -3.06                       | 0                                 | -3.06       | Pass   | V         |
| 3                       | 6498        | 91.61            | -3.62                       | 0                                 | -3.62       | Pass   | V         |
| 4                       | 6488        | 91.34            | -3.89                       | 0                                 | -3.89       | Pass   | V         |
| 5                       | 6555        | 86.68            | -8.55                       | 0                                 | -8.55       | Pass   | V         |
| 6                       | 6553        | 84.38            | -10.85                      | 0                                 | -10.85      | Pass   | V         |
| 7                       | 6613        | 85.98            | -9.25                       | 0                                 | -9.25       | Pass   | V         |
| 8                       | 6616        | 84.38            | -10.85                      | 0                                 | -10.85      | Pass   | V         |
| 9                       | 6549        | 86.02            | -9.21                       | 0                                 | -9.21       | Pass   | V         |
| 10                      | 7989        | 94.70            | -0.53                       | 0                                 | -0.53       | Pass   | V         |
| 11                      | 7989        | 93.75            | -1.48                       | 0                                 | -1.48       | Pass   | V         |
| 12                      | 7991        | 93.40            | -1.83                       | 0                                 | -1.83       | Pass   | V         |
| 13                      | 7987        | 93.56            | -1.67                       | 0                                 | -1.67       | Pass   | V         |
| 14                      | 8050        | 88.23            | -7.00                       | 0                                 | -7.00       | Pass   | V         |
| 15                      | 8049        | 88.12            | -7.11                       | 0                                 | -7.11       | Pass   | V         |
| 16                      | 7989        | 87.84            | -7.39                       | 0                                 | -7.39       | Pass   | V         |
| 17                      | 7987        | 85.74            | -9.49                       | 0                                 | -9.49       | Pass   | V         |
| 18                      | 8049        | 84.68            | -10.55                      | 0                                 | -10.55      | Pass   | V         |

Note 1: EIRP [dBm] = E-Field [dBuV/m] - 95.23;  
Note 2: Measurement worst emissions of receive antenna polarization.



Pre-located worst frequency Plots

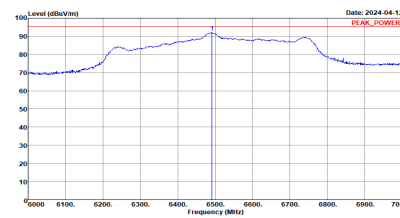
Mode 1



Site : 03CH22-HY  
 Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW=50000.000KHz VBW=80000.000KHz SWT:1.000sec  
 ;  
 Detector : Peak  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 0  
 STS Num : 0  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| 1 | Freq    | Level  | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark |      |
|---|---------|--------|-------|--------|-------------|-------|--------|-------|-------|--------|------|
|   | MHz     | dBuV/m | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg    |      |
| 1 | 6489.00 | 92.22  | -3.01 | 95.23  | 76.47       | 36.36 | 14.45  | 35.06 | ---   | ---    | Peak |

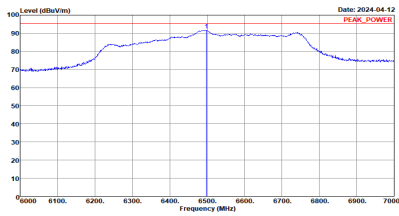
Mode 2



Site : 03CH22-HY  
 Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW=50000.000KHz VBW=80000.000KHz SWT:1.000sec  
 ;  
 Detector : Peak  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 10  
 Config : 0  
 STS Num : 0  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| 1 | Freq    | Level  | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark |      |
|---|---------|--------|-------|--------|-------------|-------|--------|-------|-------|--------|------|
|   | MHz     | dBuV/m | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg    |      |
| 1 | 6492.00 | 92.17  | -3.06 | 95.23  | 76.40       | 36.37 | 14.46  | 35.06 | ---   | ---    | Peak |

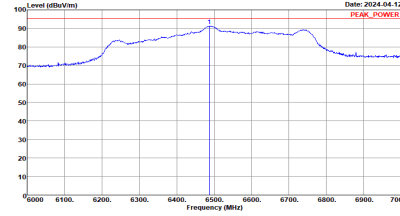
Mode 3



Site : 03CH22-HY  
 Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW=50000.000KHz VBW=80000.000KHz SWT:1.000sec  
 ;  
 Detector : Peak  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 1  
 STS Num : 1  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| 1 | Freq    | Level  | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark |      |
|---|---------|--------|-------|--------|-------------|-------|--------|-------|-------|--------|------|
|   | MHz     | dBuV/m | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg    |      |
| 1 | 6498.00 | 91.61  | -3.62 | 95.23  | 75.82       | 36.39 | 14.47  | 35.07 | ---   | ---    | Peak |

Mode 4



Site : 03CH22-HY  
 Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW=50000.000KHz VBW=80000.000KHz SWT:1.000sec  
 ;  
 Detector : Peak  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 10  
 Config : 1  
 STS Num : 1  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x0D

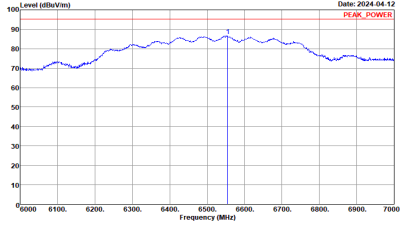
| 1 | Freq    | Level  | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark |      |
|---|---------|--------|-------|--------|-------------|-------|--------|-------|-------|--------|------|
|   | MHz     | dBuV/m | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg    |      |
| 1 | 6488.00 | 91.34  | -3.89 | 95.23  | 75.60       | 36.35 | 14.45  | 35.06 | ---   | ---    | Peak |





Pre-located worst frequency Plots

Mode 5

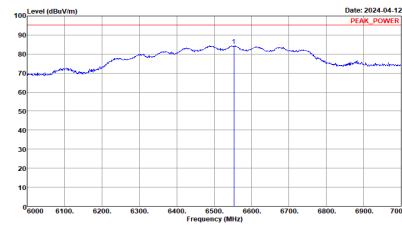


Site : 03CH22-HY  
Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
: RBW50000.000KHz VBW80000.000KHz SWT1.000sec  
: -

Detector : Average  
Project : 420107  
Channel : CH5  
Modulation : BPRF 9  
Config : 3  
STS Name : 1  
Payload Length : 0  
SN : 41291JEAYW00T1  
Setting : 0x09

| Freq | Level   | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark   |
|------|---------|-------|--------|-------------|-------|--------|-------|-------|----------|
| MHz  | dBuV/m  | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg      |
| 1    | 6555.00 | 86.68 | -8.55  | 95.23       | 70.76 | 36.50  | 14.55 | 35.13 | --- Peak |

Mode 6

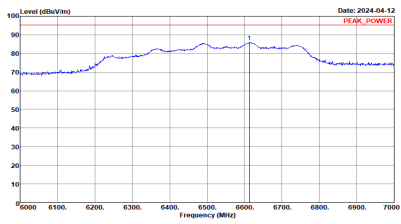


Site : 03CH22-HY  
Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
: RBW50000.000KHz VBW80000.000KHz SWT1.000sec  
: -

Detector : Peak  
Project : 420107  
Channel : CH5  
Modulation : BPRF 10  
Config : 3  
STS Name : 1  
Payload Length : 0  
SN : 41291JEAYW00T1  
Setting : 0x09

| Freq | Level   | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark   |
|------|---------|-------|--------|-------------|-------|--------|-------|-------|----------|
| MHz  | dBuV/m  | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg      |
| 1    | 6555.00 | 84.38 | -10.85 | 95.23       | 68.47 | 36.50  | 14.54 | 35.13 | --- Peak |

Mode 7

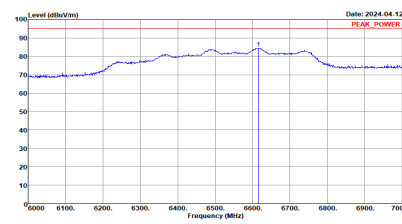


Site : 03CH22-HY  
Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
: RBW50000.000KHz VBW80000.000KHz SWT1.000sec  
: -

Detector : Peak  
Project : 420107  
Channel : CH5  
Modulation : BPRF 27  
Config : 0  
STS Name : 1  
Payload Length : 127  
SN : 41291JEAYW00T1  
Setting : 0x09

| Freq | Level   | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark   |
|------|---------|-------|--------|-------------|-------|--------|-------|-------|----------|
| MHz  | dBuV/m  | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg      |
| 1    | 6613.00 | 85.98 | -9.25  | 95.23       | 70.06 | 36.50  | 14.62 | 35.20 | --- Peak |

Mode 8



Site : 03CH22-HY  
Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
: RBW50000.000KHz VBW80000.000KHz SWT1.000sec  
: -

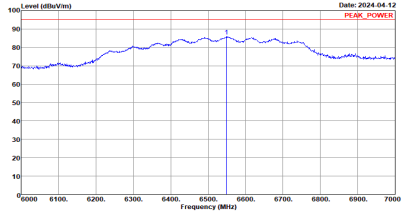
Detector : Peak  
Project : 420107  
Channel : CH5  
Modulation : BPRF 27  
Config : 1  
STS Name : 2  
Payload Length : 127  
SN : 41291JEAYW00T1  
Setting : 0x09

| Freq | Level   | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark   |
|------|---------|-------|--------|-------------|-------|--------|-------|-------|----------|
| MHz  | dBuV/m  | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg      |
| 1    | 6616.00 | 84.38 | -10.85 | 95.23       | 68.46 | 36.50  | 14.62 | 35.20 | --- Peak |



Pre-located worst frequency Plots

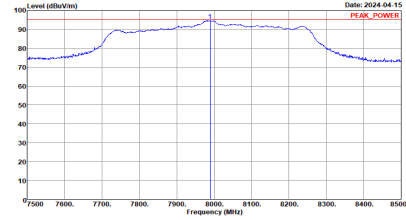
Mode 9



Date: 2024-04-12  
 Site : 03CH22-HY  
 Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:50000.000KHz VBW:80000.000KHz SWT:1.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : HPRF 27  
 Config : 3  
 STS Num : 2  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| Freq | Level   | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark       |
|------|---------|-------|--------|-------------|-------|--------|-------|-------|--------------|
| MHz  | dBuV/m  | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg          |
| 1    | 6549.00 | 86.02 | -9.21  | 95.23       | 70.10 | 36.50  | 14.54 | 35.12 | --- --- Peak |

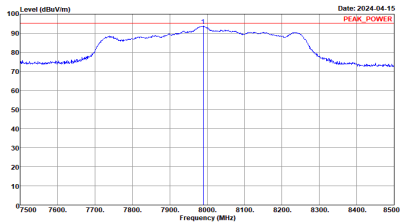
Mode 10



Date: 2024-04-15  
 Site : 03CH22-HY  
 Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:50000.000KHz VBW:80000.000KHz SWT:1.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : HPRF 9  
 Config : 0  
 STS Num : 0  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x10

| Freq | Level   | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark       |
|------|---------|-------|--------|-------------|-------|--------|-------|-------|--------------|
| MHz  | dBuV/m  | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg          |
| 1    | 7989.00 | 94.70 | -0.53  | 95.23       | 77.87 | 37.28  | 16.13 | 36.58 | --- --- Peak |

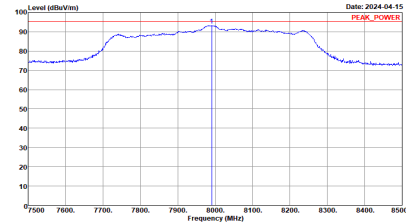
Mode 11



Date: 2024-04-15  
 Site : 03CH22-HY  
 Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:50000.000KHz VBW:80000.000KHz SWT:1.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : HPRF 10  
 Config : 0  
 STS Num : 1  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x10

| Freq | Level   | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark       |
|------|---------|-------|--------|-------------|-------|--------|-------|-------|--------------|
| MHz  | dBuV/m  | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg          |
| 1    | 7989.00 | 93.75 | -1.48  | 95.23       | 76.92 | 37.28  | 16.13 | 36.58 | --- --- Peak |

Mode 12



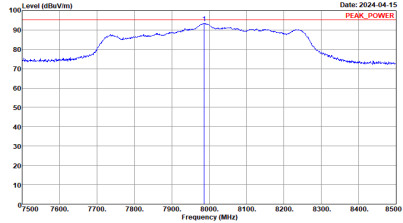
Date: 2024-04-15  
 Site : 03CH22-HY  
 Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:50000.000KHz VBW:80000.000KHz SWT:1.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : HPRF 9  
 Config : 1  
 STS Num : 1  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x10

| Freq | Level   | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark       |
|------|---------|-------|--------|-------------|-------|--------|-------|-------|--------------|
| MHz  | dBuV/m  | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg          |
| 1    | 7991.00 | 93.40 | -1.83  | 95.23       | 76.57 | 37.28  | 16.13 | 36.58 | --- --- Peak |



Pre-located worst frequency Plots

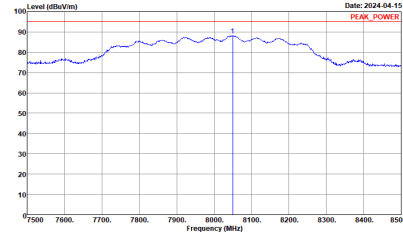
Mode 13



Date: 2024-04-15  
 Site : :03CH22-HY  
 Condition : :PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : :RBW:50000.000KHz VBW:80000.000KHz SWT:1.000sec  
 :  
 Detector : :Peak  
 Project : :420107  
 Channel : :CH9  
 Modulation : :BPRF 10  
 Config : :1  
 STS Nums : :1  
 Payload Length : :127  
 SN : :41291JEAYW00T1  
 Setting : :0x10

| Setting | Over    | Limit | ReadAntenna | Cable Preamp | A/Pos | T/Pos | Remark                   |
|---------|---------|-------|-------------|--------------|-------|-------|--------------------------|
| Line    | Line    | Level | Factor      | Loss         | dB    | dB    | cm deg                   |
| Hz      | dBuV/m  | dB    | dBuV/m      | dB/m         | dB    | dB    | cm deg                   |
| 1       | 7987.00 | 93.56 | -1.67       | 95.23        | 76.73 | 37.27 | 16.13 36.57 --- --- Peak |

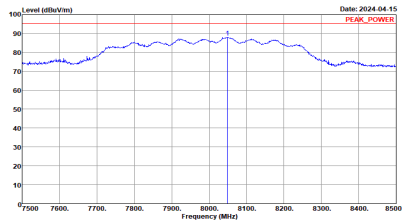
Mode 14



Date: 2024-04-15  
 Site : :03CH22-HY  
 Condition : :PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : :RBW:50000.000KHz VBW:80000.000KHz SWT:1.000sec  
 :  
 Detector : :Peak  
 Project : :420107  
 Channel : :CH9  
 Modulation : :BPRF 9  
 Config : :3  
 STS Nums : :1  
 Payload Length : :0  
 SN : :41291JEAYW00T1  
 Setting : :0x10

| Setting | Over    | Limit | ReadAntenna | Cable Preamp | A/Pos | T/Pos | Remark                   |
|---------|---------|-------|-------------|--------------|-------|-------|--------------------------|
| Line    | Line    | Level | Factor      | Loss         | dB    | dB    | cm deg                   |
| Hz      | dBuV/m  | dB    | dBuV/m      | dB/m         | dB    | dB    | cm deg                   |
| 1       | 8050.00 | 88.23 | -7.00       | 95.23        | 71.51 | 37.20 | 16.16 36.64 --- --- Peak |

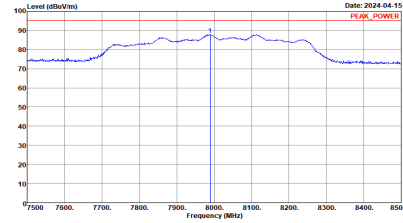
Mode 15



Date: 2024-04-15  
 Site : :03CH22-HY  
 Condition : :PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : :RBW:50000.000KHz VBW:80000.000KHz SWT:1.000sec  
 :  
 Detector : :Peak  
 Project : :420107  
 Channel : :CH9  
 Modulation : :BPRF 10  
 Config : :3  
 STS Nums : :1  
 Payload Length : :0  
 SN : :41291JEAYW00T1  
 Setting : :0x10

| Setting | Over    | Limit | ReadAntenna | Cable Preamp | A/Pos | T/Pos | Remark                   |
|---------|---------|-------|-------------|--------------|-------|-------|--------------------------|
| Line    | Line    | Level | Factor      | Loss         | dB    | dB    | cm deg                   |
| Hz      | dBuV/m  | dB    | dBuV/m      | dB/m         | dB    | dB    | cm deg                   |
| 1       | 8049.00 | 88.12 | -7.11       | 95.23        | 71.48 | 37.20 | 16.16 36.64 --- --- Peak |

Mode 16



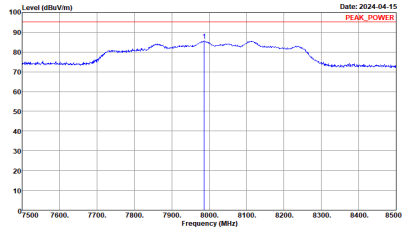
Date: 2024-04-15  
 Site : :03CH22-HY  
 Condition : :PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : :RBW:50000.000KHz VBW:80000.000KHz SWT:1.000sec  
 :  
 Detector : :Peak  
 Project : :420107  
 Channel : :CH9  
 Modulation : :BPRF 27  
 Config : :0  
 STS Nums : :0  
 Payload Length : :127  
 SN : :41291JEAYW00T1  
 Setting : :0x10

| Setting | Over    | Limit | ReadAntenna | Cable Preamp | A/Pos | T/Pos | Remark                   |
|---------|---------|-------|-------------|--------------|-------|-------|--------------------------|
| Line    | Line    | Level | Factor      | Loss         | dB    | dB    | cm deg                   |
| Hz      | dBuV/m  | dB    | dBuV/m      | dB/m         | dB    | dB    | cm deg                   |
| 1       | 7989.00 | 87.84 | -7.39       | 95.23        | 71.01 | 37.28 | 16.13 36.58 --- --- Peak |



Pre-located worst frequency Plots

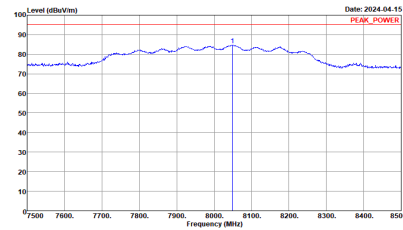
Mode 17



Site : 03CH22-HY  
 Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW50000.000KHz VBW80000.000KHz SWT1.000sec  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : HPRF 27  
 Config : 1  
 STS Name : 2  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x00

| Setting | Over Limit | ReadAntenna | Cable Preamp | A/Pos | T/Pos | Remark |       |       |              |
|---------|------------|-------------|--------------|-------|-------|--------|-------|-------|--------------|
| Hz      | dBuV/m     | dB          | dBuV         | dB/m  | dB    | dB     | cm    | deg   |              |
| 1       | 7987.00    | 85.74       | -9.49        | 95.23 | 68.91 | 37.27  | 16.13 | 36.57 | --- --- Peak |

Mode 18



Site : 03CH22-HY  
 Condition : PEAK\_POWER 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW50000.000KHz VBW80000.000KHz SWT1.000sec  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : HPRF 27  
 Config : 3  
 STS Name : 2  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x00

| Setting | Over Limit | ReadAntenna | Cable Preamp | A/Pos | T/Pos | Remark |       |       |              |
|---------|------------|-------------|--------------|-------|-------|--------|-------|-------|--------------|
| Hz      | dBuV/m     | dB          | dBuV/m       | dBuV  | dB/m  | dB     | dB    | cm    | deg          |
| 1       | 8049.00    | 84.68       | -10.55       | 95.23 | 67.96 | 37.20  | 16.16 | 36.64 | --- --- Peak |



### 3.5 Radiated Emissions

#### 3.5.1 Radiated Emissions Limit

| Radiated Emissions below 960MHz and Emissions from Digital Circuitry Limit |                       |                         |                      |
|--|-----------------------|-------------------------|----------------------|
| Frequency Range (MHz)  | Field Strength (uV/m) | Field Strength (dBuV/m) | Measure Distance (m) |
| 0.009~0.490  | 2400/F(kHz)           | 48.5 - 13.8             | 300                  |
| 0.490~1.705  | 24000/F(kHz)          | 33.8 - 23               | 30                   |
| 1.705~30.0   | 30                    | 29                      | 30                   |
| 30~88  | 100                   | 40                      | 3                    |
| 88~216   | 150                   | 43.5                    | 3                    |
| 216~960  | 200                   | 46                      | 3                    |
| Above 960  | 500                   | 54                      | 3                    |

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

| Radiated Emissions above 960MHz Limit |                        |
|---------------------------------------|------------------------|
| Frequency Range (MHz)                 | EIRP (dBm), RBW = 1MHz |
| 960-1610                              | -75.3                  |
| 1610-1990                             | -63.3                  |
| 1990-3100                             | -61.3                  |
| 3100-10600                            | -41.3                  |
| Above 10600                           | -61.3                  |

Note: Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)

| Radiated Emissions in GPS Bands Limit |                        |
|---------------------------------------|------------------------|
| Frequency Range (MHz)                 | EIRP (dBm), RBW ≥ 1kHz |
| 1164-1240                             | -85.3                  |
| 1559-1610                             | -85.3                  |

Note E (dBuV/m) = EIRP (dBm) + 95.23, example, E(dBuV/m) = -85.3 + 95.23 = 9.93dBuV/m



### 3.5.2 Measuring Instruments

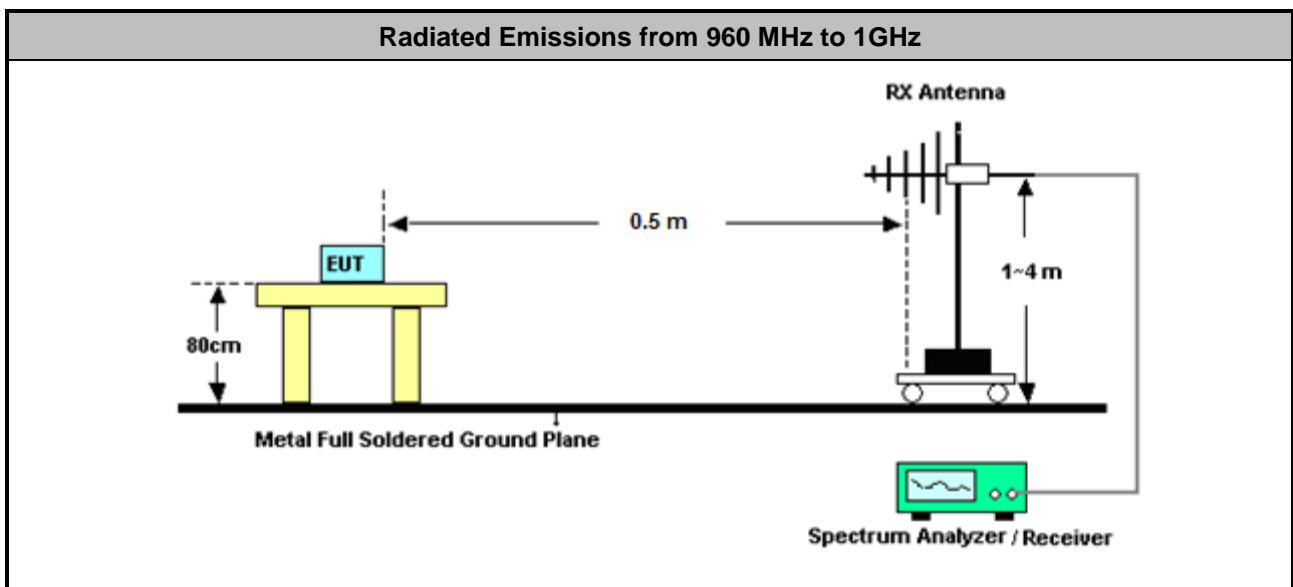
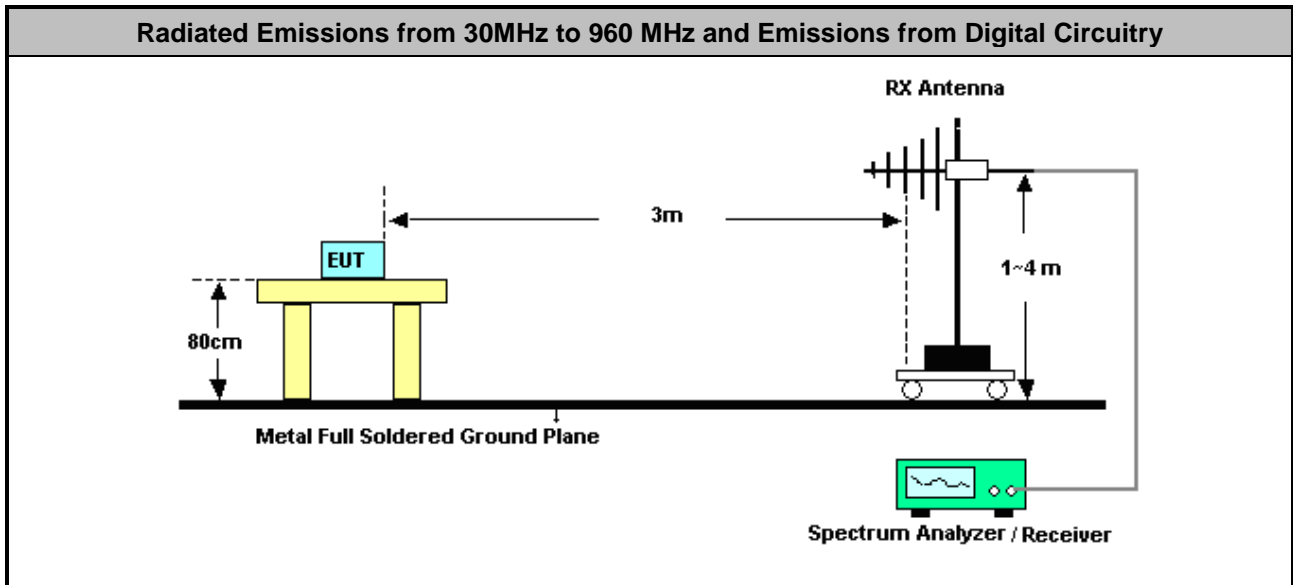
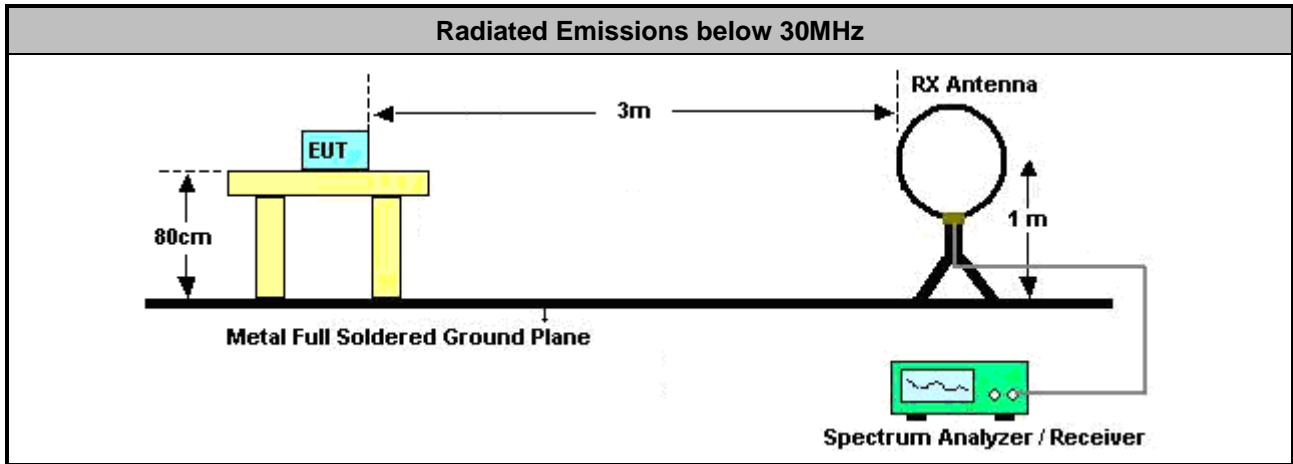
Refer a test equipment and calibration data table in this test report.

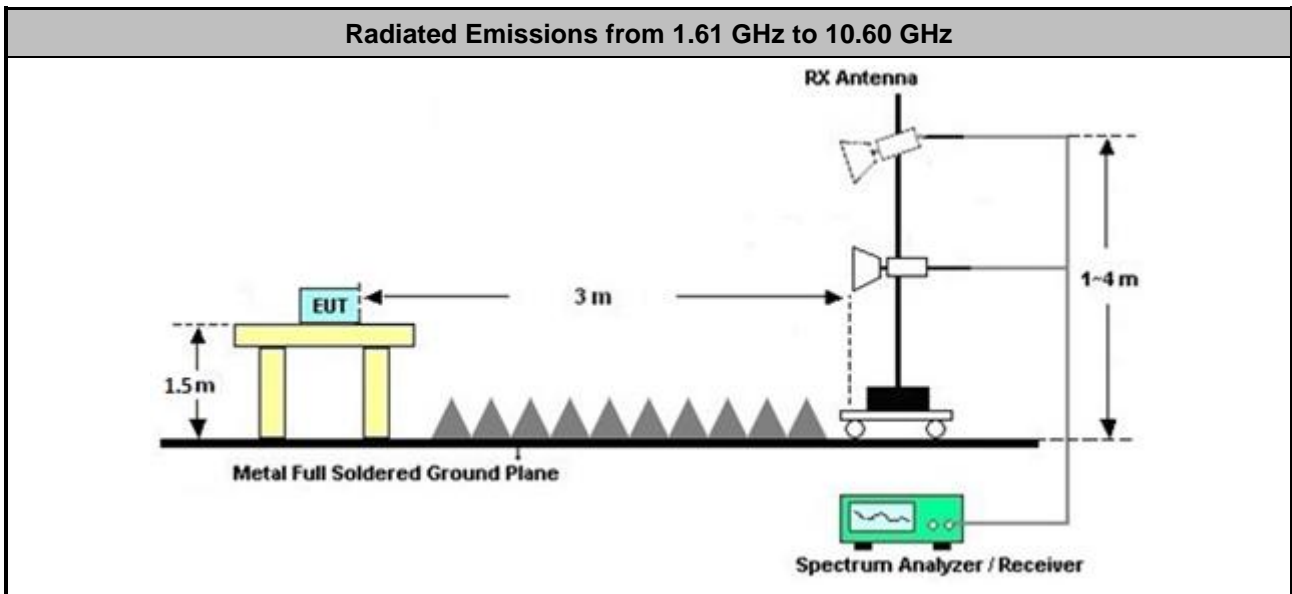
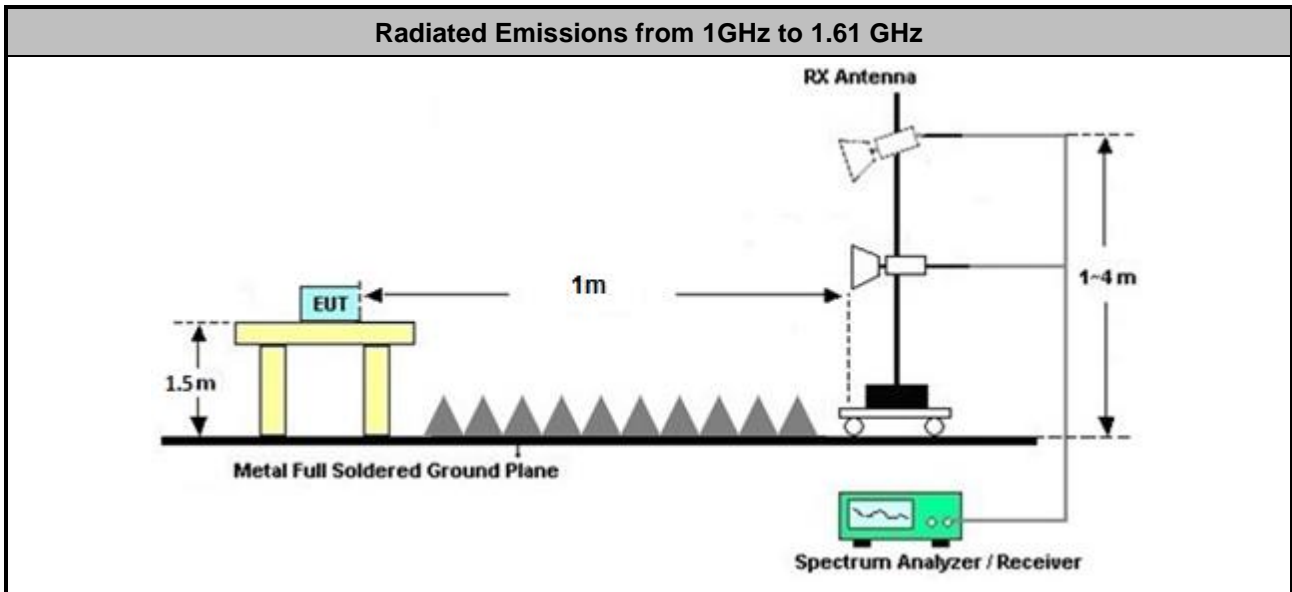
### 3.5.3 Test Procedures

| Test Method for Radiated Emissions above 960MHz  |  |
|--|--|
| <ul style="list-style-type: none"> <li>■ Radiated Emissions above 960MHz</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 10.3.1 for radiated measurement procedure testing.</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 10.3.2 for measurement distance is 3m. In some cases, it may be necessary to measure the radiated UWB emissions at a closer distance to obtain enough signal and margin to overcome the measurement system noise floor. Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)</li> </ul> |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 10.3.4 for rms detector procedure testing.</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 10.3.7 for evaluating AVG-PSD (RBW=1MHz).</li> </ul>   |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 10.3.10 for evaluating AVG-PSD in GPS Band (RBW≥1kHz).</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>■ For radiated measurement.</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 10.3.8 following eirp can be used radiated test configuration.</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 10.3.9 following eirp can be directly determined using the field strength.</li> </ul>  |  |

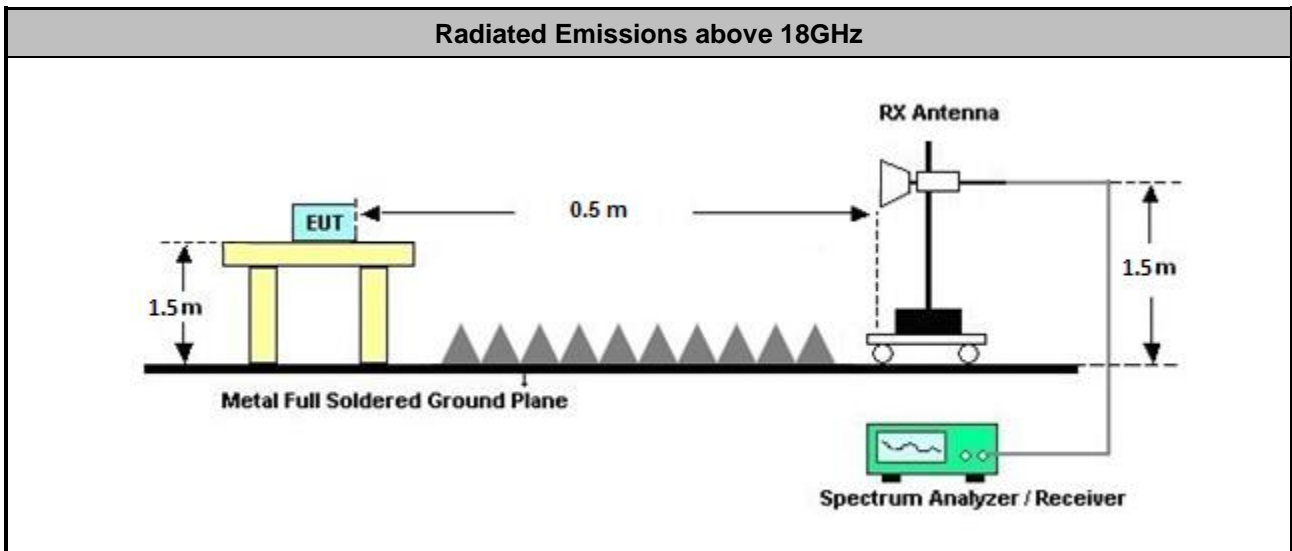
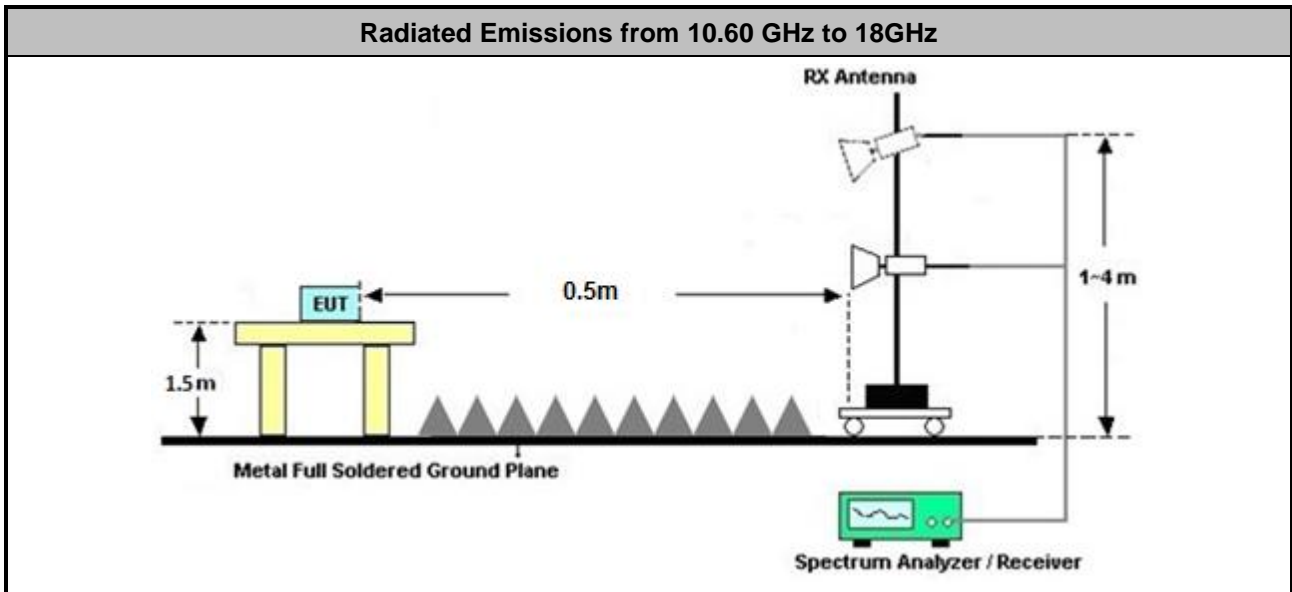
| Test Method for Radiated Emissions below 960MHz and Emissions from Digital Circuitry  |  |
|---|--|
| <ul style="list-style-type: none"> <li>■ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements) for above 30MHz-960MHz; 40dB/decade for frequency below 30MHz.</li> </ul> |  |
| <ul style="list-style-type: none"> <li>■ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>   |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 4.1.4 Detector functions and selection of bandwidth</li> </ul>  |  |
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions. Adjusted by a “duty cycle correction factor”, derived from 20log (dwell time/100 ms). Average emission = peak emission + 20 log (duty cycle).</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>■ For radiated measurement.</li> </ul>   |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> </ul>   |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>■ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.</li> </ul>  |  |
| <ul style="list-style-type: none"> <li>■ If the noise floor can't meet the limit, the test distance will be shorten and described in the report.</li> </ul>   |  |
| <ul style="list-style-type: none"> <li>■ Any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>   |  |

### 3.5.4 Test Setup









Note 1: Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna. Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna and the frequency range of 1 GHz to 40 GHz using a calibrated horn antenna.  
 Note 2: If test distance other than 3m is used, the used test distance will be recorded in test result.

### 3.5.5 Radiated Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



3.5.6 Average Power Spectral Density

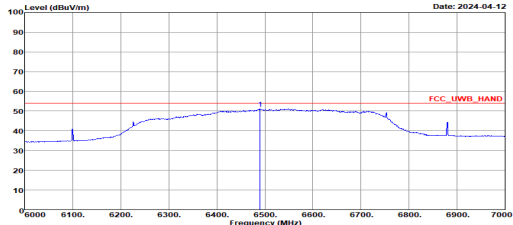
| Test mode | Frequency (MHz) | Emission Level (dBuV/m) | Emission Limit (dBm/MHz) | Emission Limit (dBuV/m) | Margin (dB) | Result | Pol [H/V] |
|-----------|-----------------|-------------------------|--------------------------|-------------------------|-------------|--------|-----------|
| 1         | 6490            | 51.27                   | -41.3                    | 53.93                   | -2.66       | Pass   | V         |
| 2         | 6490            | 50.77                   | -41.3                    | 53.93                   | -3.16       | Pass   | V         |
| 3         | 6548            | 51.80                   | -41.3                    | 53.93                   | -2.13       | Pass   | V         |
| 4         | 6490            | 50.79                   | -41.3                    | 53.93                   | -3.14       | Pass   | V         |
| 5         | 6490            | 53.60                   | -41.3                    | 53.93                   | -0.33       | Pass   | V         |
| 6         | 6490            | 52.39                   | -41.3                    | 53.93                   | -1.54       | Pass   | V         |
| 7         | 6544            | 50.97                   | -41.3                    | 53.93                   | -2.96       | Pass   | V         |
| 8         | 6549            | 51.89                   | -41.3                    | 53.93                   | -2.04       | Pass   | V         |
| 9         | 6560            | 52.00                   | -41.3                    | 53.93                   | -1.93       | Pass   | V         |
| 10        | 8048            | 53.60                   | -41.3                    | 53.93                   | -0.33       | Pass   | V         |
| 11        | 7987            | 52.69                   | -41.3                    | 53.93                   | -1.24       | Pass   | V         |
| 12        | 8049            | 53.34                   | -41.3                    | 53.93                   | -0.59       | Pass   | V         |
| 13        | 7987            | 53.45                   | -41.3                    | 53.93                   | -0.48       | Pass   | V         |
| 14        | 7987            | 53.71                   | -41.3                    | 53.93                   | -0.22       | Pass   | V         |
| 15        | 8063            | 53.50                   | -41.3                    | 53.93                   | -0.43       | Pass   | V         |
| 16        | 8048            | 53.69                   | -41.3                    | 53.93                   | -0.24       | Pass   | V         |
| 17        | 8046            | 53.06                   | -41.3                    | 53.93                   | -0.87       | Pass   | V         |
| 18        | 8042            | 53.70                   | -41.3                    | 53.93                   | -0.23       | Pass   | V         |



Radiated Emissions (Fundamental)

|                    |              |               |    |
|--------------------|--------------|---------------|----|
| Operating Function | Adapter Mode | Polarization  | V  |
|                    |              | Test Distance | 3m |

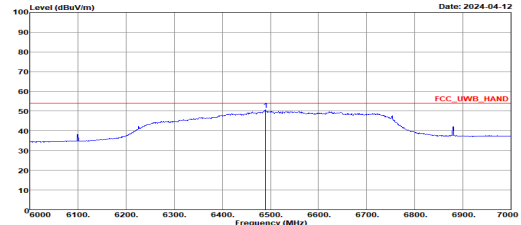
Mode 1



Site Condition : 03CH22-HY  
 : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 0  
 STS Name : 0  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| Freq | Level   | Over  | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark      |
|------|---------|-------|-------|-------------|-------|--------|-------|-------|-------------|
| MHz  | dBuV/m  | Limit | Line  | Level       | Loss  | Factor | dB    | cm    | deg         |
| 1    | 6490.00 | 51.27 | -2.66 | 53.93       | 35.51 | 36.36  | 14.46 | 35.06 | --- Average |

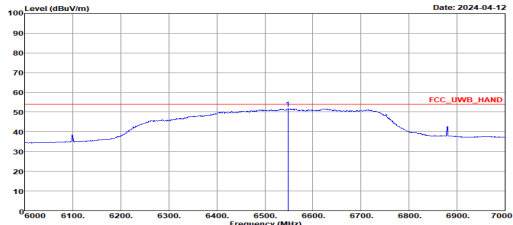
Mode 2



Site Condition : 03CH22-HY  
 : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 10  
 Config : 0  
 STS Name : 0  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| Freq | Level   | Over  | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark      |
|------|---------|-------|-------|-------------|-------|--------|-------|-------|-------------|
| MHz  | dBuV/m  | Limit | Line  | Level       | Loss  | Factor | dB    | cm    | deg         |
| 1    | 6490.00 | 50.77 | -3.16 | 53.93       | 35.01 | 36.36  | 14.46 | 35.06 | --- Average |

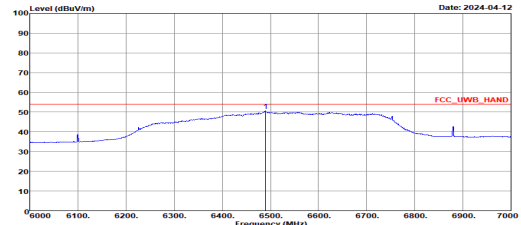
Mode 3



Site Condition : 03CH22-HY  
 : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 1  
 STS Name : 1  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| Freq | Level   | Over  | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark      |
|------|---------|-------|-------|-------------|-------|--------|-------|-------|-------------|
| MHz  | dBuV/m  | Limit | Line  | Level       | Loss  | Factor | dB    | cm    | deg         |
| 1    | 6548.00 | 51.80 | -2.13 | 53.93       | 35.88 | 36.50  | 14.54 | 35.12 | --- Average |

Mode 4



Site Condition : 03CH22-HY  
 : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 10  
 Config : 1  
 STS Name : 1  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| Freq | Level   | Over  | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark      |
|------|---------|-------|-------|-------------|-------|--------|-------|-------|-------------|
| MHz  | dBuV/m  | Limit | Line  | Level       | Loss  | Factor | dB    | cm    | deg         |
| 1    | 6490.00 | 50.79 | -3.14 | 53.93       | 35.03 | 36.36  | 14.46 | 35.06 | --- Average |

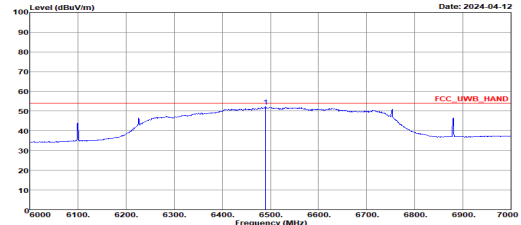
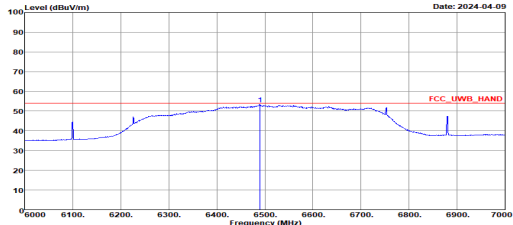


Radiated Emissions (Fundamental)

|                    |              |               |    |
|--------------------|--------------|---------------|----|
| Operating Function | Adapter Mode | Polarization  | V  |
|                    |              | Test Distance | 3m |

Mode 5

Mode 6



Site Condition : 03CH22-HY  
 : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x09

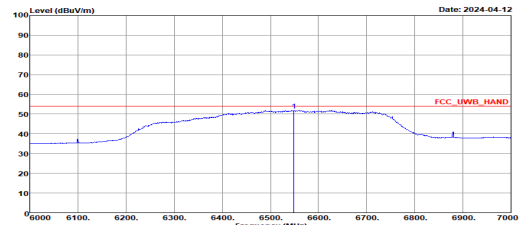
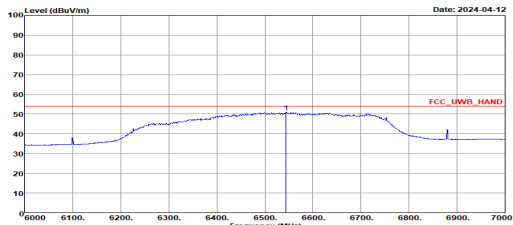
| 1 | 6490.00 | 53.60 | -0.33 | 53.93 | 37.84 | 36.36 | 14.46 | 35.06 | --- | --- | Average |
|---|---------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---------|
|---|---------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---------|

Site Condition : 03CH22-HY  
 : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 10  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| 1 | 6490.00 | 52.39 | -1.54 | 53.93 | 36.63 | 36.36 | 14.46 | 35.06 | --- | --- | Average |
|---|---------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---------|
|---|---------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---------|

Mode 7

Mode 8



Site Condition : 03CH22-HY  
 : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : HPRF 27  
 Config : 0  
 STS Nums : 0  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| 1 | 6544.00 | 50.97 | -2.96 | 53.93 | 35.07 | 36.49 | 14.53 | 35.12 | --- | --- | Average |
|---|---------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---------|
|---|---------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---------|

Site Condition : 03CH22-HY  
 : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : HPRF 27  
 Config : 2  
 STS Nums : 1  
 Payload Length : 127  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| 1 | 6549.00 | 51.89 | -2.04 | 53.93 | 35.97 | 36.50 | 14.54 | 35.12 | --- | --- | Average |
|---|---------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---------|
|---|---------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---------|



| Radiated Emissions (Fundamental)   |              |       |        |             |               |        |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
|--|--------------|-------|--------|-------------|---------------|--------|-------|-------|-------------|-------|--------|-------|-------|--------|-----|--------|----|--------|------|------|----|----|----|-----|---|---------|-------|-------|-------|-------|-------|-------|-------|-------------|---|--|--|--|--|------|-------|------|-------|-------------|-------|--------|-------|-------|--------|-----|--------|----|--------|------|------|----|----|----|-----|---|---------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Operating Function   | Adapter Mode |       |        |             | Polarization  | V      |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
|  |              |       |        |             | Test Distance | 3m     |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Mode 9   |              |       |        |             | Mode 10       |        |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| <p style="font-size: small;">Date: 2024-04-12</p> <p style="font-size: x-small;">Site Condition : 03CH22-HY<br/>: FCC_UWB_HAND 3m LE2C04A18EN_230712 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec<br/>: .<br/>Detector : Average<br/>Project : 420107<br/>Channel : CH5<br/>Modulation : HPRF 27<br/>Config : 3<br/>STS Nums : 2<br/>Payload Length : 0<br/>SN : 41291JEAYW00T1<br/>Setting : 0x09</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>6560.00</td> <td>52.00</td> <td>-1.93</td> <td>53.93</td> <td>36.09</td> <td>36.50</td> <td>14.55</td> <td>35.14</td> <td>--- Average</td> </tr> </tbody> </table>   |              |       |        |             | Freq          | Level  | Over  | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | cm | deg | 1 | 6560.00 | 52.00 | -1.93 | 53.93 | 36.09 | 36.50 | 14.55 | 35.14 | --- Average | <p style="font-size: small;">Date: 2024-04-12</p> <p style="font-size: x-small;">Site Condition : 03CH22-HY<br/>: FCC_UWB_HAND 3m LE2C04A18EN_230712 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec<br/>: .<br/>Detector : Average<br/>Project : 420107<br/>Channel : CH9<br/>Modulation : BPRF 9<br/>Config : 0<br/>STS Nums : 0<br/>Payload Length : 127<br/>SN : 41291JEAYW00T1<br/>Setting : 0x10</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8048.00</td> <td>53.60</td> <td>-0.33</td> <td>53.93</td> <td>36.88</td> <td>37.20</td> <td>16.16</td> <td>36.64</td> <td>--- Average</td> </tr> </tbody> </table> |  |  |  |  | Freq | Level | Over | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | cm | deg | 1 | 8048.00 | 53.60 | -0.33 | 53.93 | 36.88 | 37.20 | 16.16 | 36.64 | --- Average |
| Freq   | Level        | Over  | Limit  | ReadAntenna | Cable         | Preamp | A/Pos | T/Pos | Remark      |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| MHz  | dBuV/m       | dB    | dBuV/m | dBuV        | dB/m          | dB     | dB    | cm    | deg         |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| 1  | 6560.00      | 52.00 | -1.93  | 53.93       | 36.09         | 36.50  | 14.55 | 35.14 | --- Average |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Freq   | Level        | Over  | Limit  | ReadAntenna | Cable         | Preamp | A/Pos | T/Pos | Remark      |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| MHz  | dBuV/m       | dB    | dBuV/m | dBuV        | dB/m          | dB     | dB    | cm    | deg         |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| 1  | 8048.00      | 53.60 | -0.33  | 53.93       | 36.88         | 37.20  | 16.16 | 36.64 | --- Average |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Mode 11  |              |       |        |             | Mode 12       |        |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| <p style="font-size: small;">Date: 2024-04-12</p> <p style="font-size: x-small;">Site Condition : 03CH22-HY<br/>: FCC_UWB_HAND 3m LE2C04A18EN_230712 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec<br/>: .<br/>Detector : Average<br/>Project : 420107<br/>Channel : CH9<br/>Modulation : BPRF 10<br/>Config : 0<br/>STS Nums : 0<br/>Payload Length : 127<br/>SN : 41291JEAYW00T1<br/>Setting : 0x10</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7987.00</td> <td>52.69</td> <td>-1.24</td> <td>53.93</td> <td>35.86</td> <td>37.27</td> <td>16.13</td> <td>36.57</td> <td>--- Average</td> </tr> </tbody> </table> |              |       |        |             | Freq          | Level  | Over  | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | cm | deg | 1 | 7987.00 | 52.69 | -1.24 | 53.93 | 35.86 | 37.27 | 16.13 | 36.57 | --- Average | <p style="font-size: small;">Date: 2024-04-12</p> <p style="font-size: x-small;">Site Condition : 03CH22-HY<br/>: FCC_UWB_HAND 3m LE2C04A18EN_230712 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec<br/>: .<br/>Detector : Average<br/>Project : 420107<br/>Channel : CH9<br/>Modulation : BPRF 9<br/>Config : 1<br/>STS Nums : 1<br/>Payload Length : 127<br/>SN : 41291JEAYW00T1<br/>Setting : 0x10</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8049.00</td> <td>53.34</td> <td>-0.59</td> <td>53.93</td> <td>36.62</td> <td>37.20</td> <td>16.16</td> <td>36.64</td> <td>--- Average</td> </tr> </tbody> </table> |  |  |  |  | Freq | Level | Over | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | cm | deg | 1 | 8049.00 | 53.34 | -0.59 | 53.93 | 36.62 | 37.20 | 16.16 | 36.64 | --- Average |
| Freq   | Level        | Over  | Limit  | ReadAntenna | Cable         | Preamp | A/Pos | T/Pos | Remark      |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| MHz  | dBuV/m       | dB    | dBuV/m | dBuV        | dB/m          | dB     | dB    | cm    | deg         |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| 1  | 7987.00      | 52.69 | -1.24  | 53.93       | 35.86         | 37.27  | 16.13 | 36.57 | --- Average |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Freq   | Level        | Over  | Limit  | ReadAntenna | Cable         | Preamp | A/Pos | T/Pos | Remark      |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| MHz  | dBuV/m       | dB    | dBuV/m | dBuV        | dB/m          | dB     | dB    | cm    | deg         |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| 1  | 8049.00      | 53.34 | -0.59  | 53.93       | 36.62         | 37.20  | 16.16 | 36.64 | --- Average |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |



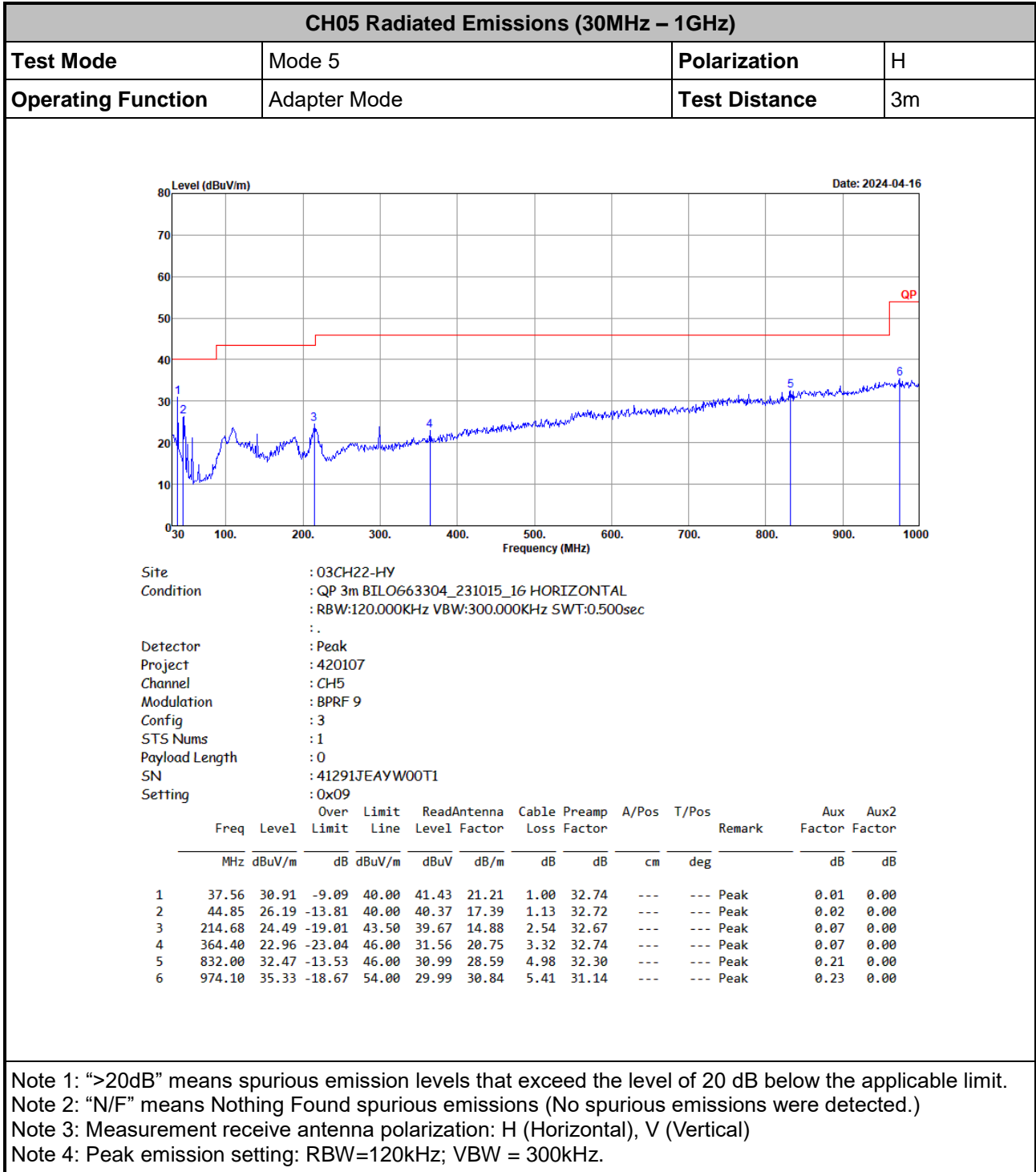
| Radiated Emissions (Fundamental)  |         |              |       |                   |                         |             |            |       |                   |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
|---|---------|--------------|-------|-------------------|-------------------------|-------------|------------|-------|-------------------|------------|-------------|-------|-------|--------|-----|--------|--|----|------|------|----|----|-----|--|---|---------|-------|-------|-------|-------|-------|-------|-------|-------------|---|--|--|--|--|------|-------|------------|-------|-------------------|------------|-------------|-------|-------|--------|-----|--------|--|----|--------|------|----|----|----|-----|---|---------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Operating Function  |         | Adapter Mode |       |                   | Polarization            |             | V          |       |                   |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
|   |         |              |       |                   | Test Distance           |             | 3m         |       |                   |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Mode 13   |         |              |       |                   | Mode 14                 |             |            |       |                   |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| <p>Date: 2024-04-12</p>   |         |              |       |                   | <p>Date: 2024-04-09</p> |             |            |       |                   |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| <p>Site Condition : 03CH22-HY<br/>: FCC_UWB_HAND 3m LE2C04A18EN_230712 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec</p> <p>Detector : Average<br/>Project : 420107<br/>Channel : CH9<br/>Modulation : BPRF 10<br/>Config : 1<br/>STS Nums : 1<br/>Payload Length : 127<br/>SN : 41291JEAYW00T1<br/>Setting : 0x10</p> <table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit</th> <th>ReadAntenna Level</th> <th>Cable Loss</th> <th>Preamp Loss</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th></th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7987.00</td> <td>53.45</td> <td>-0.48</td> <td>53.93</td> <td>36.62</td> <td>37.27</td> <td>16.13</td> <td>36.57</td> <td>--- Average</td> </tr> </tbody> </table> |         |              |       |                   | Freq                    | Level       | Over Limit | Limit | ReadAntenna Level | Cable Loss | Preamp Loss | A/Pos | T/Pos | Remark | MHz | dBuV/m |  | dB | dBuV | dB/m | dB | cm | deg |  | 1 | 7987.00 | 53.45 | -0.48 | 53.93 | 36.62 | 37.27 | 16.13 | 36.57 | --- Average | <p>Site Condition : 03CH22-HY<br/>: FCC_UWB_HAND 3m LE2C04A18EN_230712 VERTICAL<br/>: RBW:1000.000KHz VBW:10.000KHz SWT:Auto</p> <p>Detector : Average<br/>Project : 420107<br/>Channel : CH9<br/>Modulation : BPRF 9<br/>Config : 3<br/>STS Nums : 1<br/>Payload Length : 0<br/>SN : 41291JEAYW00T1<br/>Setting : 0x10</p> <table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit</th> <th>ReadAntenna Level</th> <th>Cable Loss</th> <th>Preamp Loss</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th></th> <th>dB</th> <th>dBuV/m</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>7987.00</td> <td>53.71</td> <td>-0.22</td> <td>53.93</td> <td>36.88</td> <td>37.27</td> <td>16.13</td> <td>36.57</td> <td>--- Average</td> </tr> </tbody> </table>          |  |  |  |  | Freq | Level | Over Limit | Limit | ReadAntenna Level | Cable Loss | Preamp Loss | A/Pos | T/Pos | Remark | MHz | dBuV/m |  | dB | dBuV/m | dB/m | dB | dB | cm | deg | 1 | 7987.00 | 53.71 | -0.22 | 53.93 | 36.88 | 37.27 | 16.13 | 36.57 | --- Average |
| Freq  | Level   | Over Limit   | Limit | ReadAntenna Level | Cable Loss              | Preamp Loss | A/Pos      | T/Pos | Remark            |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| MHz   | dBuV/m  |              | dB    | dBuV              | dB/m                    | dB          | cm         | deg   |                   |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| 1   | 7987.00 | 53.45        | -0.48 | 53.93             | 36.62                   | 37.27       | 16.13      | 36.57 | --- Average       |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Freq  | Level   | Over Limit   | Limit | ReadAntenna Level | Cable Loss              | Preamp Loss | A/Pos      | T/Pos | Remark            |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| MHz   | dBuV/m  |              | dB    | dBuV/m            | dB/m                    | dB          | dB         | cm    | deg               |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| 1   | 7987.00 | 53.71        | -0.22 | 53.93             | 36.88                   | 37.27       | 16.13      | 36.57 | --- Average       |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Mode 15   |         |              |       |                   | Mode 16                 |             |            |       |                   |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| <p>Date: 2024-04-12</p>   |         |              |       |                   | <p>Date: 2024-04-12</p> |             |            |       |                   |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| <p>Site Condition : 03CH22-HY<br/>: FCC_UWB_HAND 3m LE2C04A18EN_230712 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec</p> <p>Detector : Average<br/>Project : 420107<br/>Channel : CH9<br/>Modulation : BPRF 10<br/>Config : 3<br/>STS Nums : 1<br/>Payload Length : 0<br/>SN : 41291JEAYW00T1<br/>Setting : 0x10</p> <table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit</th> <th>ReadAntenna Level</th> <th>Cable Loss</th> <th>Preamp Loss</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th></th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>cm</th> <th>deg</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8863.00</td> <td>53.50</td> <td>-0.43</td> <td>53.93</td> <td>36.79</td> <td>37.20</td> <td>16.17</td> <td>36.66</td> <td>--- Average</td> </tr> </tbody> </table>   |         |              |       |                   | Freq                    | Level       | Over Limit | Limit | ReadAntenna Level | Cable Loss | Preamp Loss | A/Pos | T/Pos | Remark | MHz | dBuV/m |  | dB | dBuV | dB/m | dB | cm | deg |  | 1 | 8863.00 | 53.50 | -0.43 | 53.93 | 36.79 | 37.20 | 16.17 | 36.66 | --- Average | <p>Site Condition : 03CH22-HY<br/>: FCC_UWB_HAND 3m LE2C04A18EN_230712 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec</p> <p>Detector : Average<br/>Project : 420107<br/>Channel : CH9<br/>Modulation : HPRF 27<br/>Config : 0<br/>STS Nums : 0<br/>Payload Length : 127<br/>SN : 41291JEAYW00T1<br/>Setting : 0x10</p> <table border="1"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit</th> <th>ReadAntenna Level</th> <th>Cable Loss</th> <th>Preamp Loss</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th></th> <th>dB</th> <th>dBuV/m</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8848.00</td> <td>53.69</td> <td>-0.24</td> <td>53.93</td> <td>36.97</td> <td>37.20</td> <td>16.16</td> <td>36.64</td> <td>--- Average</td> </tr> </tbody> </table> |  |  |  |  | Freq | Level | Over Limit | Limit | ReadAntenna Level | Cable Loss | Preamp Loss | A/Pos | T/Pos | Remark | MHz | dBuV/m |  | dB | dBuV/m | dB/m | dB | dB | cm | deg | 1 | 8848.00 | 53.69 | -0.24 | 53.93 | 36.97 | 37.20 | 16.16 | 36.64 | --- Average |
| Freq  | Level   | Over Limit   | Limit | ReadAntenna Level | Cable Loss              | Preamp Loss | A/Pos      | T/Pos | Remark            |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| MHz   | dBuV/m  |              | dB    | dBuV              | dB/m                    | dB          | cm         | deg   |                   |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| 1   | 8863.00 | 53.50        | -0.43 | 53.93             | 36.79                   | 37.20       | 16.17      | 36.66 | --- Average       |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Freq  | Level   | Over Limit   | Limit | ReadAntenna Level | Cable Loss              | Preamp Loss | A/Pos      | T/Pos | Remark            |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| MHz   | dBuV/m  |              | dB    | dBuV/m            | dB/m                    | dB          | dB         | cm    | deg               |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| 1   | 8848.00 | 53.69        | -0.24 | 53.93             | 36.97                   | 37.20       | 16.16      | 36.64 | --- Average       |            |             |       |       |        |     |        |  |    |      |      |    |    |     |  |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |            |       |                   |            |             |       |       |        |     |        |  |    |        |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |



| Radiated Emissions (Fundamental)  |              |       |        |             |   |        |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
|---|--------------|-------|--------|-------------|---|--------|-------|-------|-------------|-------|--------|-------|-------|--------|-----|--------|----|--------|------|------|----|----|----|-----|---|---------|-------|-------|-------|-------|-------|-------|-------|-------------|---|--|--|--|--|------|-------|------|-------|-------------|-------|--------|-------|-------|--------|-----|--------|----|--------|------|------|----|----|----|-----|---|---------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Operating Function  | Adapter Mode |       |        |             | Polarization  | V      |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
|   |              |       |        |             | Test Distance   | 3m     |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Mode 17   |              |       |        |             | Mode 18   |        |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
|   |              |       |        |             |   |        |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Site : 03CH22-HY<br>Condition : FCC_UWB_HAND 3m LE2C04A18EN_230712 VERTICAL<br>: RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec<br>: .<br>Detector : Average<br>Project : 420107<br>Channel : CH9<br>Modulation : HPRF 27<br>Config : 1<br>STS Num : 2<br>Payload Length : 127<br>SN : 41291JEAYW00T1<br>Setting : 0x10   |              |       |        |             | Site : 03CH22-HY<br>Condition : FCC_UWB_HAND 3m LE2C04A18EN_230712 VERTICAL<br>: RBW:1000.000KHz VBW:3000.000KHz SWT:1.000sec<br>: .<br>Detector : Average<br>Project : 420107<br>Channel : CH9<br>Modulation : HPRF 27<br>Config : 3<br>STS Num : 2<br>Payload Length : 0<br>SN : 41291JEAYW00T1<br>Setting : 0x10 |        |       |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8046.00</td> <td>53.06</td> <td>-0.87</td> <td>53.93</td> <td>36.33</td> <td>37.21</td> <td>16.16</td> <td>36.64</td> <td>--- Average</td> </tr> </tbody> </table> |              |       |        |             | Freq  | Level  | Over  | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | cm | deg | 1 | 8046.00 | 53.06 | -0.87 | 53.93 | 36.33 | 37.21 | 16.16 | 36.64 | --- Average | <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8042.00</td> <td>53.70</td> <td>-0.23</td> <td>53.93</td> <td>36.95</td> <td>37.22</td> <td>16.16</td> <td>36.63</td> <td>--- Average</td> </tr> </tbody> </table> |  |  |  |  | Freq | Level | Over | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | cm | deg | 1 | 8042.00 | 53.70 | -0.23 | 53.93 | 36.95 | 37.22 | 16.16 | 36.63 | --- Average |
| Freq  | Level        | Over  | Limit  | ReadAntenna | Cable   | Preamp | A/Pos | T/Pos | Remark      |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| MHz   | dBuV/m       | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg         |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| 1   | 8046.00      | 53.06 | -0.87  | 53.93       | 36.33   | 37.21  | 16.16 | 36.64 | --- Average |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| Freq  | Level        | Over  | Limit  | ReadAntenna | Cable   | Preamp | A/Pos | T/Pos | Remark      |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| MHz   | dBuV/m       | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg         |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |
| 1   | 8042.00      | 53.70 | -0.23  | 53.93       | 36.95   | 37.22  | 16.16 | 36.63 | --- Average |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |   |  |  |  |  |      |       |      |       |             |       |        |       |       |        |     |        |    |        |      |      |    |    |    |     |   |         |       |       |       |       |       |       |       |             |



3.5.7 Radiated Emissions (30MHz – 1GHz)

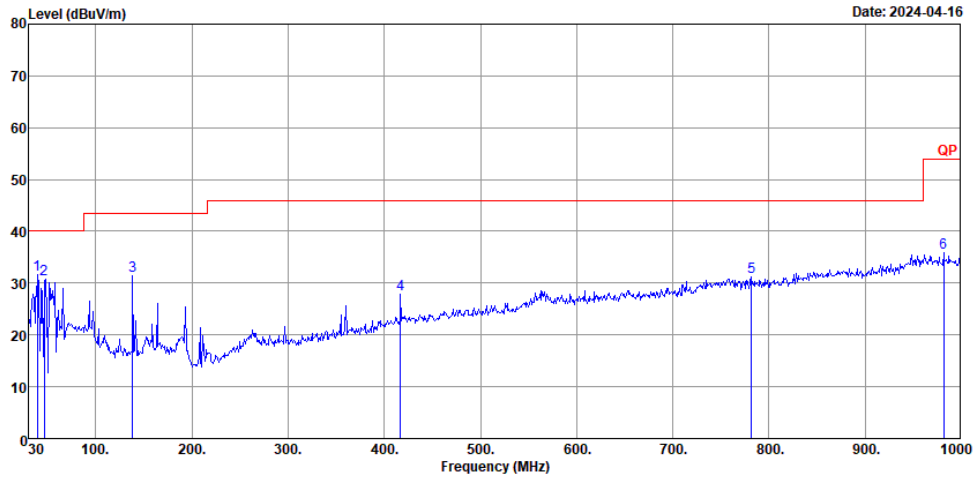






**CH05 Radiated Emissions (30MHz – 1GHz)**

|                           |              |                      |    |
|---------------------------|--------------|----------------------|----|
| <b>Test Mode</b>          | Mode 5       | <b>Polarization</b>  | V  |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 3m |



Site : 03CH22-HY  
 Condition : QP 3m BILO663304\_231015\_16 VERTICAL  
 : RBW:120.000KHz VBW:300.000KHz SWT:0.500sec  
 :.  
 Detector : Peak  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x09

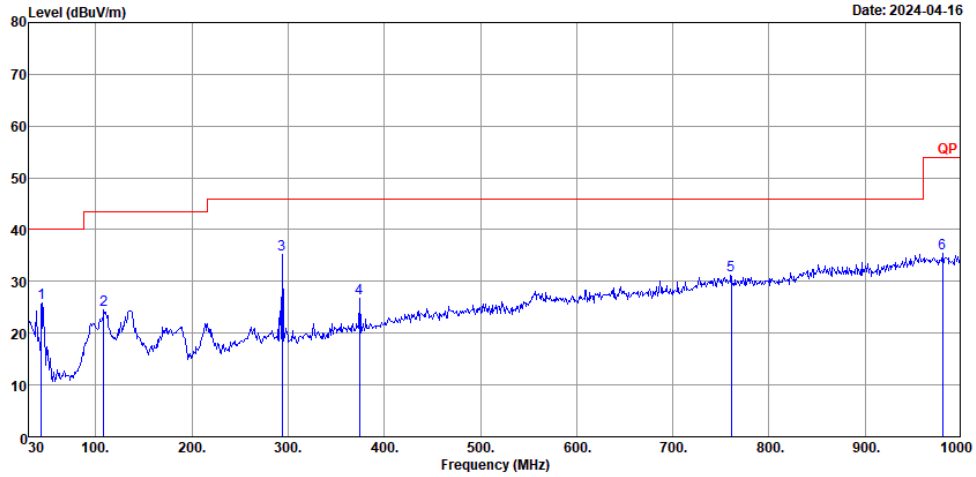
|   | Freq   | Level  | Over Limit | Limit Line | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | Aux Factor | Aux2 Factor |      |
|---|--------|--------|------------|------------|-------------|-------|--------|-------|-------|--------|------------|-------------|------|
|   | MHz    | dBuV/m | dB         | dBuV/m     | dBuV        | dB/m  | dB     | dB    | cm    | deg    | dB         | dB          |      |
| 1 | 39.45  | 31.66  | -8.34      | 40.00      | 43.04       | 20.31 | 1.04   | 32.74 | ---   | ---    | Peak       | 0.01        | 0.00 |
| 2 | 46.74  | 30.82  | -9.18      | 40.00      | 45.95       | 16.41 | 1.16   | 32.72 | ---   | ---    | Peak       | 0.02        | 0.00 |
| 3 | 138.54 | 31.38  | -12.12     | 43.50      | 44.53       | 17.48 | 2.05   | 32.70 | ---   | ---    | Peak       | 0.02        | 0.00 |
| 4 | 416.90 | 27.82  | -18.18     | 46.00      | 34.34       | 22.55 | 3.56   | 32.72 | ---   | ---    | Peak       | 0.09        | 0.00 |
| 5 | 781.60 | 31.10  | -14.90     | 46.00      | 30.54       | 28.10 | 4.85   | 32.56 | ---   | ---    | Peak       | 0.17        | 0.00 |
| 6 | 981.80 | 35.93  | -18.07     | 54.00      | 30.65       | 30.66 | 5.44   | 31.06 | ---   | ---    | Peak       | 0.24        | 0.00 |

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: Peak emission setting: RBW=120kHz; VBW = 300kHz.



**CH09 Radiated Emissions (30MHz – 1GHz)**

|                           |              |                      |    |
|---------------------------|--------------|----------------------|----|
| <b>Test Mode</b>          | Mode 14      | <b>Polarization</b>  | H  |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 3m |



Site : 03CH22-HY  
 Condition : QP 3m BILOG63304\_231015\_16 HORIZONTAL  
 : RBW:120.000KHz VBW:300.000KHz SWT:0.500sec  
 :.  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00TI  
 Setting : 0x10

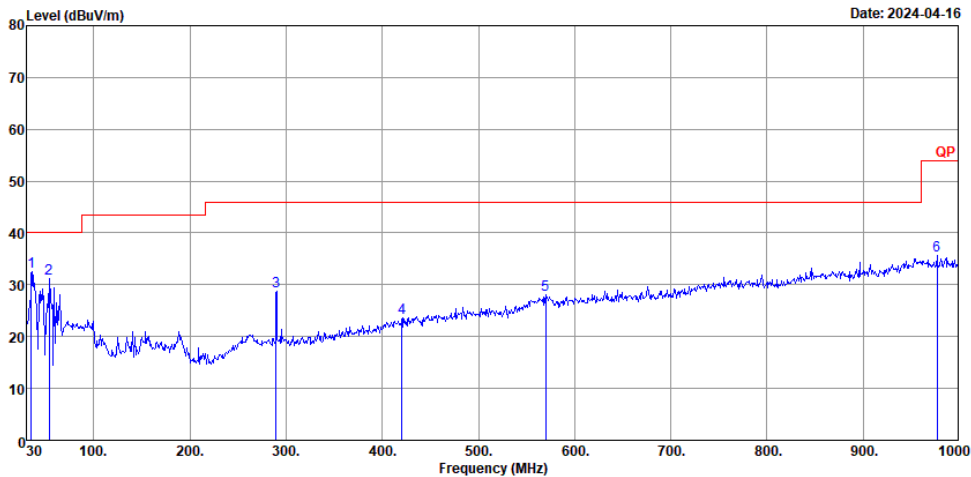
|   | Freq   | Level  | Over Limit | Limit Line | ReadAntenna Level | Cable Factor | Preamp Loss | A/Pos | T/Pos | Remark | Aux Factor | Aux2 Factor |      |
|---|--------|--------|------------|------------|-------------------|--------------|-------------|-------|-------|--------|------------|-------------|------|
|   | MHz    | dBuV/m | dB         | dBuV/m     | dBuV              | dB/m         | dB          | dB    | cm    | deg    | dB         | dB          |      |
| 1 | 43.77  | 25.77  | -14.23     | 40.00      | 39.38             | 17.98        | 1.11        | 32.72 | ---   | ---    | Peak       | 0.02        | 0.00 |
| 2 | 108.30 | 24.42  | -19.08     | 43.50      | 38.56             | 16.71        | 1.82        | 32.72 | ---   | ---    | Peak       | 0.05        | 0.00 |
| 3 | 293.52 | 35.32  | -10.68     | 46.00      | 45.90             | 19.09        | 2.98        | 32.71 | ---   | ---    | Peak       | 0.06        | 0.00 |
| 4 | 374.20 | 26.75  | -19.25     | 46.00      | 35.15             | 20.90        | 3.36        | 32.73 | ---   | ---    | Peak       | 0.07        | 0.00 |
| 5 | 760.60 | 31.10  | -14.90     | 46.00      | 30.49             | 28.30        | 4.80        | 32.63 | ---   | ---    | Peak       | 0.14        | 0.00 |
| 6 | 980.40 | 35.33  | -18.67     | 54.00      | 30.10             | 30.64        | 5.43        | 31.08 | ---   | ---    | Peak       | 0.24        | 0.00 |

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: Peak emission setting: RBW=120kHz; VBW = 300kHz.



**CH09 Radiated Emissions (30MHz – 1GHz)**

|                           |              |                      |    |
|---------------------------|--------------|----------------------|----|
| <b>Test Mode</b>          | Mode 14      | <b>Polarization</b>  | V  |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 3m |



Site : 03CH22-HY  
 Condition : QP 3m BILOG63304\_231015\_16 VERTICAL  
 : RBW:120.000KHz VBW:300.000KHz SWT:0.500sec  
 :.  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x10

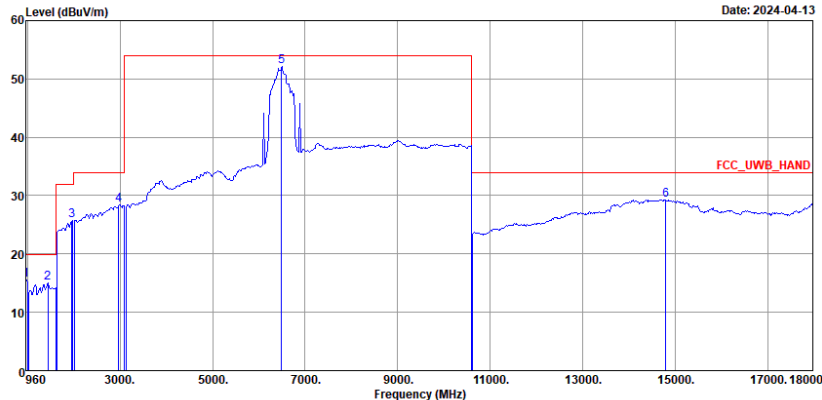
|   | Freq   | Level  | Over   | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | Aux  | Aux2 |      |
|---|--------|--------|--------|--------|-------------|-------|--------|-------|-------|--------|------|------|------|
|   | MHz    | dBuV/m | dB     | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg    | dB   | dB   |      |
| 1 | 35.13  | 32.44  | -7.56  | 40.00  | 41.80       | 22.42 | 0.95   | 32.74 | ---   | ---    | Peak | 0.01 | 0.00 |
| 2 | 53.49  | 31.22  | -8.78  | 40.00  | 49.67       | 13.01 | 1.24   | 32.73 | ---   | ---    | Peak | 0.03 | 0.00 |
| 3 | 289.74 | 28.81  | -17.19 | 46.00  | 39.49       | 19.01 | 2.96   | 32.71 | ---   | ---    | Peak | 0.06 | 0.00 |
| 4 | 420.40 | 23.52  | -22.48 | 46.00  | 29.95       | 22.64 | 3.57   | 32.73 | ---   | ---    | Peak | 0.09 | 0.00 |
| 5 | 570.20 | 28.01  | -17.99 | 46.00  | 30.43       | 26.13 | 4.16   | 32.86 | ---   | ---    | Peak | 0.15 | 0.00 |
| 6 | 976.90 | 35.73  | -18.27 | 54.00  | 30.38       | 30.80 | 5.42   | 31.11 | ---   | ---    | Peak | 0.24 | 0.00 |

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: Peak emission setting: RBW=120kHz; VBW = 300kHz.



### 3.5.8 Radiated Emissions (960MHz – 18GHz)

| CH05 Radiated Emissions (960MHz – 18GHz) |   |              |   |
|--|---|--------------|---|
| Test Mode                                | Mode 5  | Polarization | H |
| Operating Function                       | Adapter Mode  |              |   |
| Test Distance                            | The test distance between the receiving antenna and the EUT is as following:<br>3m for 1.61 GHz ~ 10.60 GHz frequency range, 1 m for 1GHz ~ 1.61 GHz, and 0.5 m for other frequency ranges. |              |   |



Site : 03CH22-HY  
 Condition : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 HORIZONTAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:7.500sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00TI  
 Setting : 0x09

|   | Freq     | Level  | Over Limit | Limit Line | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | Aux Factor | Aux2 Factor |
|---|----------|--------|------------|------------|-------------|-------|--------|-------|-------|--------|------------|-------------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV        | dB/m  | dB     | dB    | cm    | deg    | dB         | dB          |
| 1 | 963.56   | 15.55  | -4.38      | 19.93      | 25.83       | 30.94 | 5.38   | 31.26 | ---   | ---    | Average    | 0.22 -15.56 |
| 2 | 1436.15  | 15.06  | -4.87      | 19.93      | 24.96       | 24.90 | 6.56   | 31.82 | ---   | ---    | Average    | -9.54 0.00  |
| 3 | 1953.90  | 25.66  | -6.27      | 31.93      | 24.11       | 25.94 | 7.70   | 32.09 | ---   | ---    | Average    | 0.00 0.00   |
| 4 | 2973.46  | 28.41  | -5.52      | 33.93      | 23.04       | 28.30 | 9.55   | 32.48 | ---   | ---    | Average    | 0.00 0.00   |
| 5 | 6490.00  | 52.17  | -1.76      | 53.93      | 36.41       | 36.36 | 14.46  | 35.06 | ---   | ---    | Average    | 0.00 0.00   |
| 6 | 14795.80 | 29.32  | -4.61      | 33.93      | 23.32       | 42.69 | 22.28  | 43.41 | ---   | ---    | Average    | -15.56 0.00 |

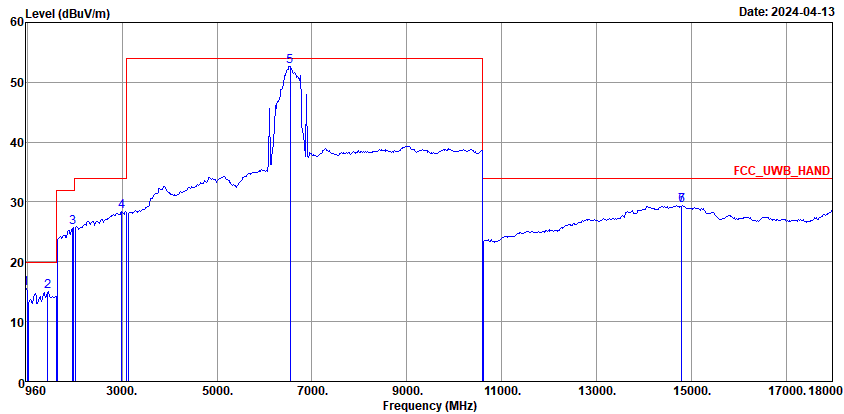
- Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: Average emission setting outside GPS Bands: RBW=1MHz; VBW=3MHz.  
 Note 5: Average emission setting in GPS bands: RBW=1kHz; VBW=3kHz.  
 Note 6: #5 is fundamental signal.

Note 7:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)  
**Example:** Distance extrapolation factor = 20log (0.5m/3m) = -15.56 (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Aux Factor (dB) + Aux 2 Factor (dB) = Level (dBuV/m)  
 (Note: For test item below 1GHz, Aux = Filter loss; Aux 2 = Distance extrapolation factor)  
 (Note: For test item above 1GHz, Aux = Distance extrapolation factor; Aux 2 = 0, which means the measuring units are not connecting to the Filter)  
**Example:** Corrected Reading: 42.69 (dB/m) + 22.28 (dB) + 23.32 (dBuV) – 43.41 (dB) + (-15.56) (dB) = 29.32 (dBuV/m)



| CH05 Radiated Emissions (960MHz – 18GHz) |   |              |   |
|--|---|--------------|---|
| Test Mode                                | Mode 5  | Polarization | V |
| Operating Function                       | Adapter Mode  |              |   |
| Test Distance                            | The test distance between the receiving antenna and the EUT is as following:<br>3m for 1.61 GHz ~ 10.60 GHz frequency range, 1 m for 1GHz ~ 1.61 GHz, and 0.5 m for other frequency ranges. |              |   |



Site : 03CH22-HY  
 Condition : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:7.500sec  
 :.  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x09

|   | Freq     | Level  | Over Limit | Limit Line | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | Aux     | Aux2   |        |
|---|----------|--------|------------|------------|-------------|-------|--------|-------|-------|--------|---------|--------|--------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV        | dB/m  | dB     | dB    | cm    | deg    | dB      | dB     |        |
| 1 | 964.36   | 15.49  | -4.44      | 19.93      | 25.77       | 30.93 | 5.38   | 31.25 | ---   | ---    | Average | 0.22   | -15.56 |
| 2 | 1431.27  | 15.06  | -4.87      | 19.93      | 24.97       | 24.90 | 6.55   | 31.82 | ---   | ---    | Average | -9.54  | 0.00   |
| 3 | 1954.66  | 25.70  | -6.23      | 31.93      | 24.14       | 25.95 | 7.70   | 32.09 | ---   | ---    | Average | 0.00   | 0.00   |
| 4 | 2984.56  | 28.48  | -5.45      | 33.93      | 23.09       | 28.30 | 9.57   | 32.48 | ---   | ---    | Average | 0.00   | 0.00   |
| 5 | 6542.50  | 52.65  | -1.28      | 53.93      | 36.75       | 36.49 | 14.53  | 35.12 | ---   | ---    | Average | 0.00   | 0.00   |
| 6 | 14803.20 | 29.47  | -4.46      | 33.93      | 23.48       | 42.69 | 22.28  | 43.42 | ---   | ---    | Average | -15.56 | 0.00   |
| 7 | 14803.20 | 29.47  | -4.46      | 33.93      | 23.48       | 42.69 | 22.28  | 43.42 | ---   | ---    | Average | -15.56 | 0.00   |

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: Average emission setting outside GPS Bands: RBW=1MHz; VBW=3MHz.  
 Note 5: Average emission setting in GPS bands: RBW=1kHz; VBW=3kHz.  
 Note 6: #5 is fundamental signal.

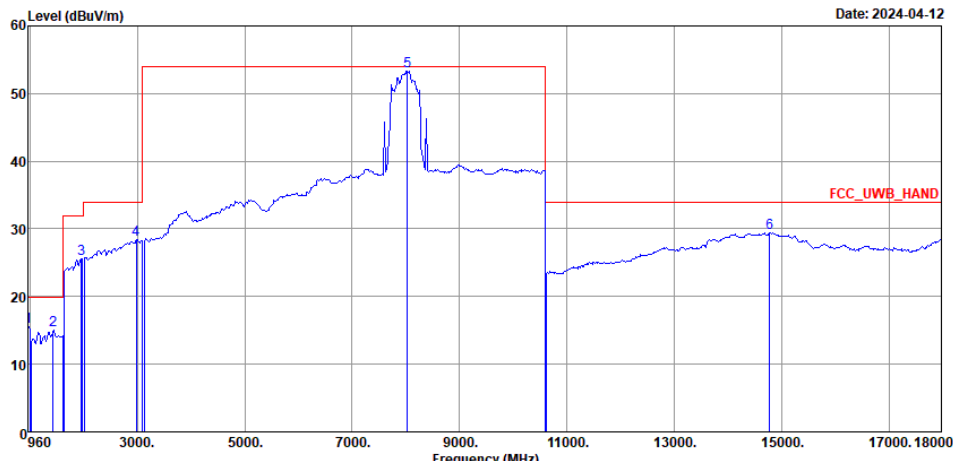
Note 7:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Aux Factor (dB) = Level (dBuV/m)  
 (Note: For test item below 1GHz, Aux = Filter loss; Aux 2 = Distance extrapolation factor)  
 (Note: For test item above 1GHz, Aux = Distance extrapolation factor; Aux 2 = 0, which means the measuring units are not connecting to the Filter)



**CH09 Radiated Emissions (960MHz – 18GHz)**

|                           |   |                     |   |
|---------------------------|---|---------------------|---|
| <b>Test Mode</b>          | Mode 14   | <b>Polarization</b> | H |
| <b>Operating Function</b> | Adapter Mode  |                     |   |
| <b>Test Distance</b>      | The test distance between the receiving antenna and the EUT is as following:<br>3m for 1.61 GHz ~ 10.60 GHz frequency range, 1 m for 1GHz ~ 1.61 GHz, and 0.5 m for other frequency ranges. |                     |   |



Site : 03CH22-HY  
 Condition : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 HORIZONTAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:7.500sec  
 : .  
 Detector : Average  
 Project : 420107  
 Channel : CH9  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x10

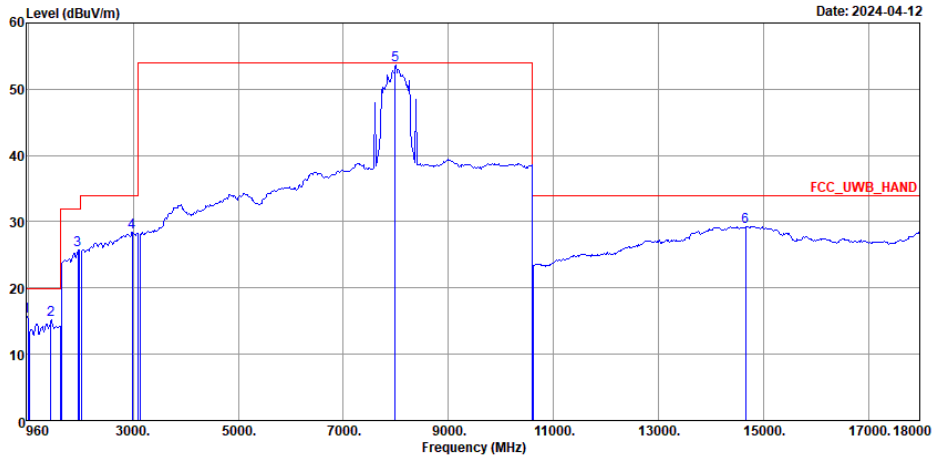
|   | Freq     | Level  | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark  | Aux    | Aux2   |
|---|----------|--------|-------|--------|-------------|-------|--------|-------|-------|---------|--------|--------|
|   | MHz      | dBuV/m | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg     | dB     | dB     |
| 1 | 968.20   | 15.57  | -4.36 | 19.93  | 25.80       | 30.92 | 5.39   | 31.21 | ---   | Average | 0.23   | -15.56 |
| 2 | 1434.32  | 15.07  | -4.86 | 19.93  | 24.98       | 24.90 | 6.55   | 31.82 | ---   | Average | -9.54  | 0.00   |
| 3 | 1954.66  | 25.63  | -6.30 | 31.93  | 24.07       | 25.95 | 7.70   | 32.09 | ---   | Average | 0.00   | 0.00   |
| 4 | 2977.90  | 28.37  | -5.56 | 33.93  | 22.99       | 28.30 | 9.56   | 32.48 | ---   | Average | 0.00   | 0.00   |
| 5 | 8035.00  | 53.26  | -0.67 | 53.93  | 36.50       | 37.23 | 16.16  | 36.63 | ---   | Average | 0.00   | 0.00   |
| 6 | 14781.00 | 29.48  | -4.45 | 33.93  | 23.50       | 42.66 | 22.27  | 43.39 | ---   | Average | -15.56 | 0.00   |

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: Average emission setting outside GPS Bands: RBW=1MHz; VBW=3MHz.  
 Note 5: Average emission setting in GPS bands: RBW=1kHz; VBW=3kHz.  
 Note 6: #5 is fundamental signal.

Note 7:  
 • Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)  
 • Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Aux Factor (dB) = Level (dBuV/m)  
 (Note: For test item below 1GHz, Aux = Filter loss; Aux 2 = Distance extrapolation factor)  
 (Note: For test item above 1GHz, Aux = Distance extrapolation factor; Aux 2 = 0, which means the measuring units are not connecting to the Filter)



| CH09 Radiated Emissions (960MHz – 18GHz) |   |              |   |
|--|---|--------------|---|
| Test Mode                                | Mode 14   | Polarization | V |
| Operating Function                       | Adapter Mode  |              |   |
| Test Distance                            | The test distance between the receiving antenna and the EUT is as following:<br>3m for 1.61 GHz ~ 10.60 GHz frequency range, 1 m for 1GHz ~ 1.61 GHz, and 0.5 m for other frequency ranges. |              |   |



Site : 03CH22-HY  
 Condition : FCC\_UWB\_HAND 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:7.500sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH9  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x10

|   | Freq     | Level  | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | Aux     | Aux2   |        |
|---|----------|--------|-------|--------|-------------|-------|--------|-------|-------|--------|---------|--------|--------|
|   | MHz      | dBuV/m | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg    | dB      | dB     |        |
| 1 | 964.16   | 15.63  | -4.30 | 19.93  | 25.91       | 30.93 | 5.38   | 31.25 | ---   | ---    | Average | 0.22   | -15.56 |
| 2 | 1431.88  | 15.14  | -4.79 | 19.93  | 25.05       | 24.90 | 6.55   | 31.82 | ---   | ---    | Average | -9.54  | 0.00   |
| 3 | 1949.72  | 25.68  | -6.25 | 31.93  | 24.18       | 25.90 | 7.69   | 32.09 | ---   | ---    | Average | 0.00   | 0.00   |
| 4 | 2976.79  | 28.33  | -5.60 | 33.93  | 22.95       | 28.30 | 9.56   | 32.48 | ---   | ---    | Average | 0.00   | 0.00   |
| 5 | 7990.00  | 53.60  | -0.33 | 53.93  | 36.77       | 37.28 | 16.13  | 36.58 | ---   | ---    | Average | 0.00   | 0.00   |
| 6 | 14662.60 | 29.31  | -4.62 | 33.93  | 23.19       | 42.73 | 22.16  | 43.21 | ---   | ---    | Average | -15.56 | 0.00   |

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: Average emission setting outside GPS Bands: RBW=1MHz; VBW=3MHz.  
 Note 5: Average emission setting in GPS bands: RBW=1kHz; VBW=3kHz.  
 Note 6: #5 is fundamental signal.

Note 7:

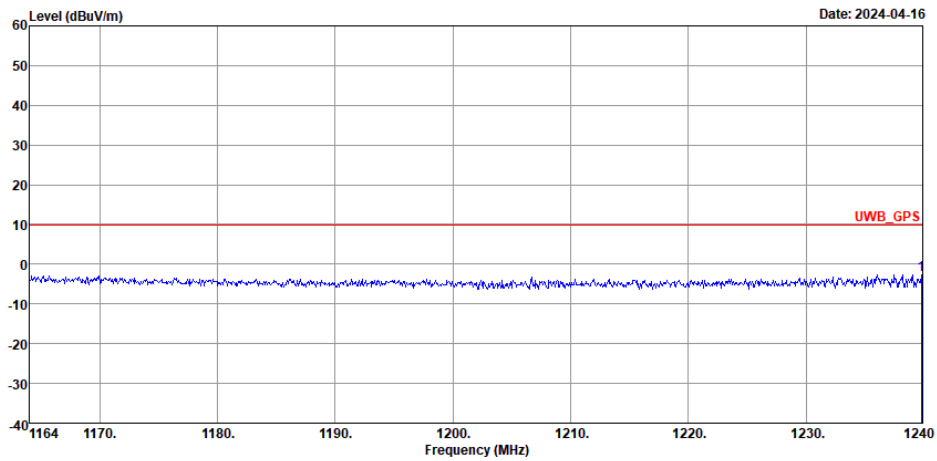
- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Aux Factor (dB) = Level (dBuV/m)  
 (Note: For test item below 1GHz, Aux = Filter loss; Aux 2 = Distance extrapolation factor)  
 (Note: For test item above 1GHz, Aux = Distance extrapolation factor; Aux 2 = 0, which means the measuring units are not connecting to the Filter)



3.5.9 Radiated Emissions (1164MHz – 1240MHz)

CH05 Radiated Emissions (1164MHz – 1240MHz)

|                    |              |               |    |
|--------------------|--------------|---------------|----|
| Test Mode          | Mode 5       | Polarization  | H  |
| Operating Function | Adapter Mode | Test Distance | 3m |



Site : 03CH22-HY  
 Condition : UWB\_GPS 3m LE2C04A18EN\_230712 HORIZONTAL  
 : RBW:1.000KHz VBW:3.000KHz SWT:40.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x09

|   | Freq    | Level  | Over Limit | Limit Line | ReadAntenna Level | Antenna Factor | Cable Loss | Preamp Loss | A/Pos | T/Pos | Remark | Aux Factor | Aux2 Factor |
|---|---------|--------|------------|------------|-------------------|----------------|------------|-------------|-------|-------|--------|------------|-------------|
|   | MHz     | dBuV/m | dB         | dBuV/m     | dBuV              | dB/m           | dB         | dB          | cm    | deg   |        | dB         | dB          |
| 1 | 1239.77 | -2.76  | -12.69     | 9.93       | -1.01             | 23.90          | 6.13       | 31.78       | ---   | ---   | Peak   | 0.00       | 0.00        |

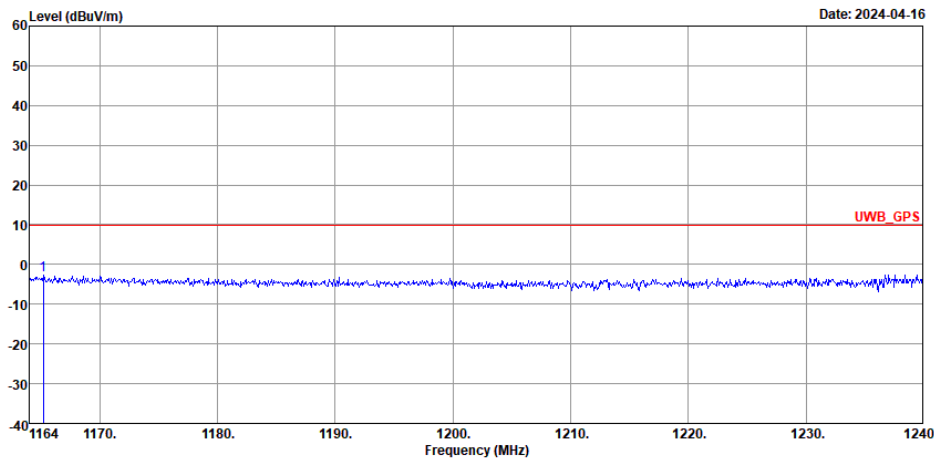
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.  
 Note 5: E (dBuV/m) = EIRP Limit (dBm) + 95.23. E(dBuV/m) = -85.3 + 95.23 = 9.93dBuV/m.





**CH05 Radiated Emissions (1164MHz – 1240MHz)**

|                           |              |                      |    |
|---------------------------|--------------|----------------------|----|
| <b>Test Mode</b>          | Mode 5       | <b>Polarization</b>  | V  |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 3m |



Site : 03CH22-HY  
 Condition : UWB\_GPS 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1.000KHz VBW:3.000KHz SWT:40.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 3  
 STS Num : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x09

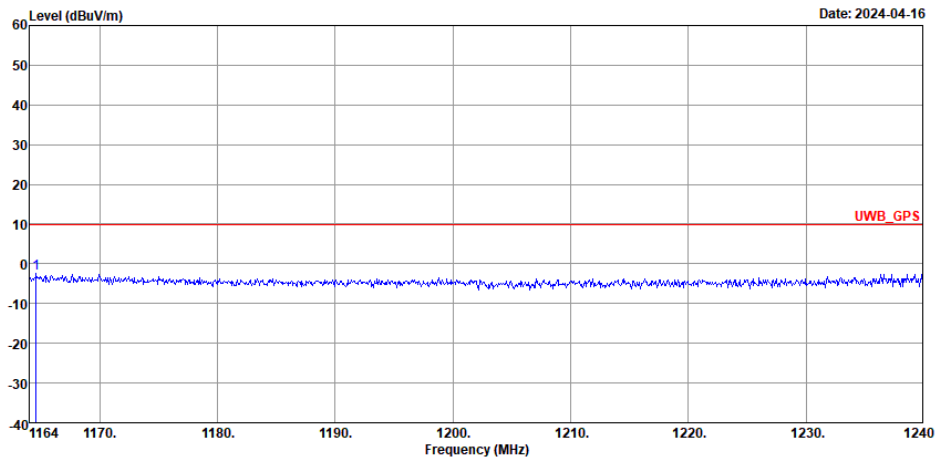
|      | Over    | Limit | ReadAntenna | Cable  | Preamp | A/Pos  | T/Pos  |        | Aux    | Aux2 |      |      |      |
|------|---------|-------|-------------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| Freq | Level   | Limit | Level       | Factor | Loss   | Factor | Remark | Factor | Factor |      |      |      |      |
| MHz  | dBuV/m  | dB    | dBuV/m      | dBuV   | dB/m   | dB     | dB     | cm     | deg    | dB   | dB   |      |      |
| 1    | 1165.22 | -2.71 | -12.64      | 9.93   | -1.23  | 24.35  | 5.94   | 31.77  | ---    | ---  | Peak | 0.00 | 0.00 |

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.
- Note 5: E (dBuV/m) = EIRP Limit (dBm) + 95.23. E(dBuV/m) = -85.3 + 95.23 = 9.93dBuV/m.



**CH09 Radiated Emissions (1164MHz – 1240MHz)**

|                           |              |                      |    |
|---------------------------|--------------|----------------------|----|
| <b>Test Mode</b>          | Mode 14      | <b>Polarization</b>  | H  |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 3m |



Site : 03CH22-HV  
 Condition : UWB\_GPS 3m LE2C04A18EN\_230712 HORIZONTAL  
 : RBW:1.000KHz VBW:3.000KHz SWT:40.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x10

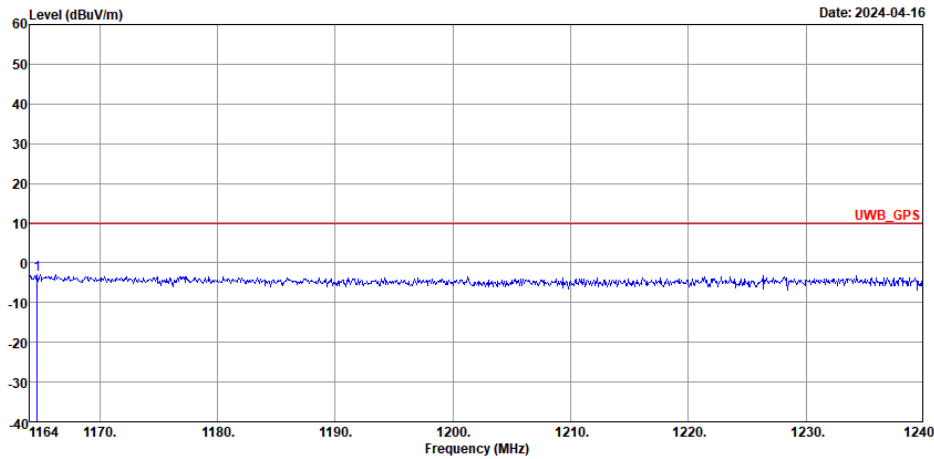
|      | Over    | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos |        | Aux    | Aux2   |      |      |      |
|------|---------|-------|-------------|-------|--------|-------|-------|--------|--------|--------|------|------|------|
| Freq | Level   | Limit | Level       | Loss  | Loss   |       |       | Remark | Factor | Factor |      |      |      |
| MHz  | dBuV/m  | dB    | dBuV/m      | dBuV  | dB/m   | dB    | dB    | cm     | deg    | dB     | dB   |      |      |
| 1    | 1164.61 | -2.51 | -12.44      | 9.93  | -1.03  | 24.35 | 5.94  | 31.77  | ---    | ---    | Peak | 0.00 | 0.00 |

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.
- Note 5: E (dBuV/m) = EIRP Limit (dBm) + 95.23. E(dBuV/m) = -85.3 + 95.23 = 9.93dBuV/m.



**CH09 Radiated Emissions (1164MHz – 1240MHz)**

|                           |              |                      |    |
|---------------------------|--------------|----------------------|----|
| <b>Test Mode</b>          | Mode 14      | <b>Polarization</b>  | V  |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 3m |



Site : 03CH22-HY  
 Condition : UWB\_GPS 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1.000KHz VBW:3.000KHz SWT:40.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : BPRF 9  
 Config : 3  
 STS Num : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x10

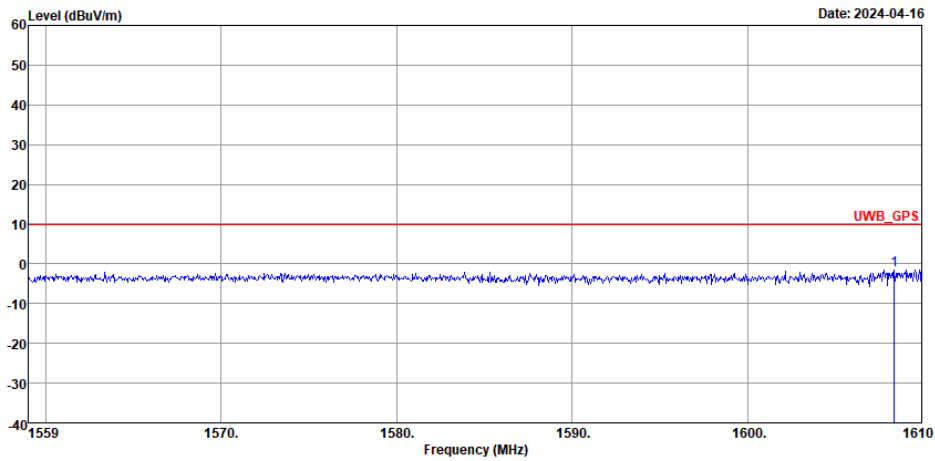
| Freq      | Level  | Over Limit | Limit Line | ReadAntenna Level | Cable Factor | Preamp Loss | A/Pos | T/Pos | Remark | Aux Factor | Aux2 Factor |
|-----------|--------|------------|------------|-------------------|--------------|-------------|-------|-------|--------|------------|-------------|
| MHz       | dBuV/m | dB         | dBuV/m     | dBuV              | dB/m         | dB          | dB    | cm    | deg    | dB         | dB          |
| 1 1164.68 | -3.00  | -12.93     | 9.93       | -1.52             | 24.35        | 5.94        | 31.77 | ---   | ---    | Peak       | 0.00 0.00   |

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.
- Note 5: E (dBuV/m) = EIRP Limit (dBm) + 95.23. E(dBuV/m) = -85.3 + 95.23 = 9.93dBuV/m.



3.5.10 Radiated Emissions (1559MHz – 1610MHz)

| CH05 Radiated Emissions (1559MHz – 1610MHz) |              |               |    |
|---|--------------|---------------|----|
| Test Mode                                   | Mode 5       | Polarization  | H  |
| Operating Function                          | Adapter Mode | Test Distance | 3m |



Site : 03CH22-HY  
 Condition : UWB\_GPS 3m LE2C04A18EN\_230712 HORIZONTAL  
 : RBW:1.000KHz VBW:3.000KHz SWT:40.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x09

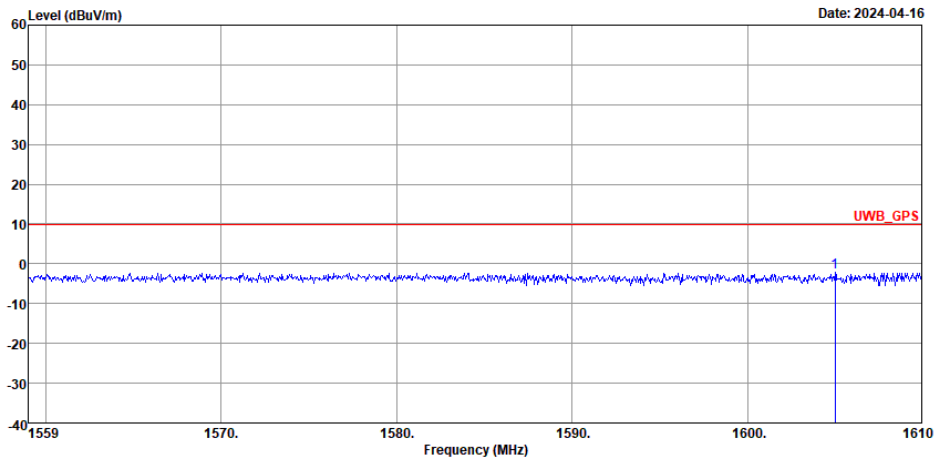
|   | Over    | Limit  | ReadAntenna | Cable  | Preamp | A/Pos | T/Pos  | Remark | Aux    | Aux2   |      |      |      |
|---|---------|--------|-------------|--------|--------|-------|--------|--------|--------|--------|------|------|------|
| 1 | Level   | Line   | Level       | Loss   | Factor |       |        |        | Factor | Factor |      |      |      |
| 1 | Freq    | Limit  | Line        | Level  | Factor | Loss  | Factor | cm     | deg    | dB     | dB   |      |      |
|   | MHz     | dBuV/m | dB          | dBuV/m | dBuV   | dB/m  | dB     | dB     |        |        |      |      |      |
| 1 | 1608.37 | -1.44  | -11.37      | 9.93   | -1.00  | 24.48 | 6.97   | 31.89  | ---    | ---    | Peak | 0.00 | 0.00 |

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.  
 Note 5: E (dBuV/m) = EIRP Limit (dBm) + 95.23. E(dBuV/m) = -85.3 + 95.23 = 9.93dBuV/m.



CH05\_Ranging Antenna Radiated Emissions (1559MHz – 1610MHz)

|                    |              |               |    |
|--------------------|--------------|---------------|----|
| Test Mode          | Mode 5       | Polarization  | V  |
| Operating Function | Adapter Mode | Test Distance | 3m |



Site : 03CH22-HY  
 Condition : UWB\_GPS 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1.000KHz VBW:3.000KHz SWT:40.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x09

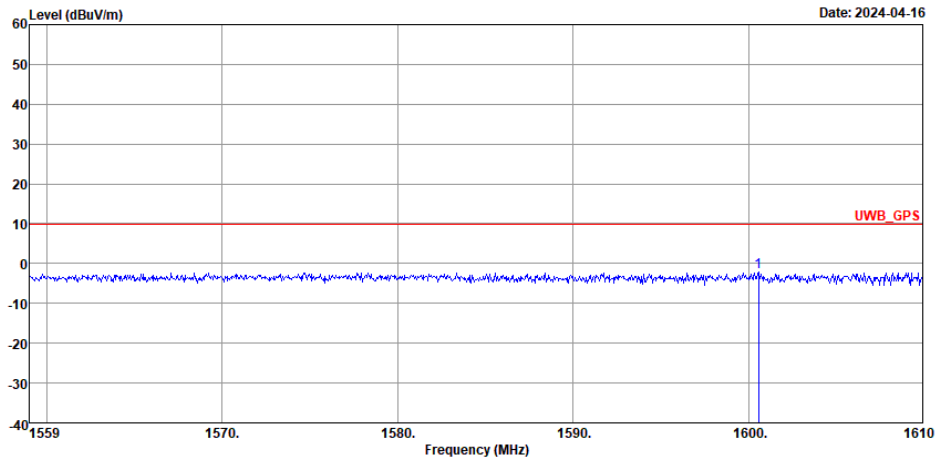
| Over  | Limit   | ReadAntenna | Cable  | Preamp | A/Pos | T/Pos | Aux    | Aux2   |     |     |      |      |      |
|-------|---------|-------------|--------|--------|-------|-------|--------|--------|-----|-----|------|------|------|
| Level | Line    | Level       | Loss   | Loss   |       |       | Factor | Factor |     |     |      |      |      |
| dB    | dBuV/m  | dBuV        | dB/m   | dB     | dB    | cm    | deg    | dB     | dB  |     |      |      |      |
| 1     | 1605.00 | -2.03       | -11.96 | 9.93   | -1.55 | 24.45 | 6.96   | 31.89  | --- | --- | Peak | 0.00 | 0.00 |

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.
- Note 5: E (dBuV/m) = EIRP Limit (dBm) + 95.23. E(dBuV/m) = -85.3 + 95.23 = 9.93dBuV/m.



**CH09 Radiated Emissions (1559MHz – 1610MHz)**

|                           |              |                      |    |
|---------------------------|--------------|----------------------|----|
| <b>Test Mode</b>          | Mode 14      | <b>Polarization</b>  | H  |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 3m |



Site : 03CH22-HY  
 Condition : UWB\_GPS 3m LE2C04A18EN\_230712 HORIZONTAL  
 : RBW:1.000KHz VBW:3.000KHz SWT:40.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x10

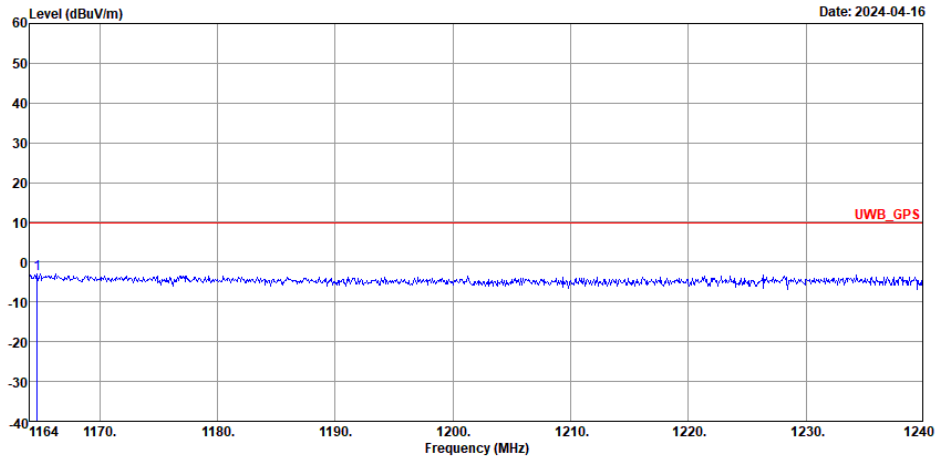
| Setting | Over Limit | Limit Line | ReadAntenna Level | Antenna Factor | Cable Loss | Preamp Loss | A/Pos | T/Pos | Remark   | Aux Factor | Aux2 Factor |
|---------|------------|------------|-------------------|----------------|------------|-------------|-------|-------|----------|------------|-------------|
| dB      | dBuV/m     | dB         | dBuV              | dB/m           | dB         | dB          | cm    | deg   |          | dB         | dB          |
| 1       | 1600.57    | -2.10      | -12.03            | 9.93           | -1.57      | 24.41       | 6.95  | 31.89 | --- Peak | 0.00       | 0.00        |

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.
- Note 5:  $E \text{ (dBuV/m)} = \text{EIRP Limit (dBm)} + 95.23$ .  $E \text{ (dBuV/m)} = -85.3 + 95.23 = 9.93 \text{ dBuV/m}$ .



**CH09 Radiated Emissions (1559MHz – 1610MHz)**

|                           |              |                      |    |
|---------------------------|--------------|----------------------|----|
| <b>Test Mode</b>          | Mode 14      | <b>Polarization</b>  | V  |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 3m |



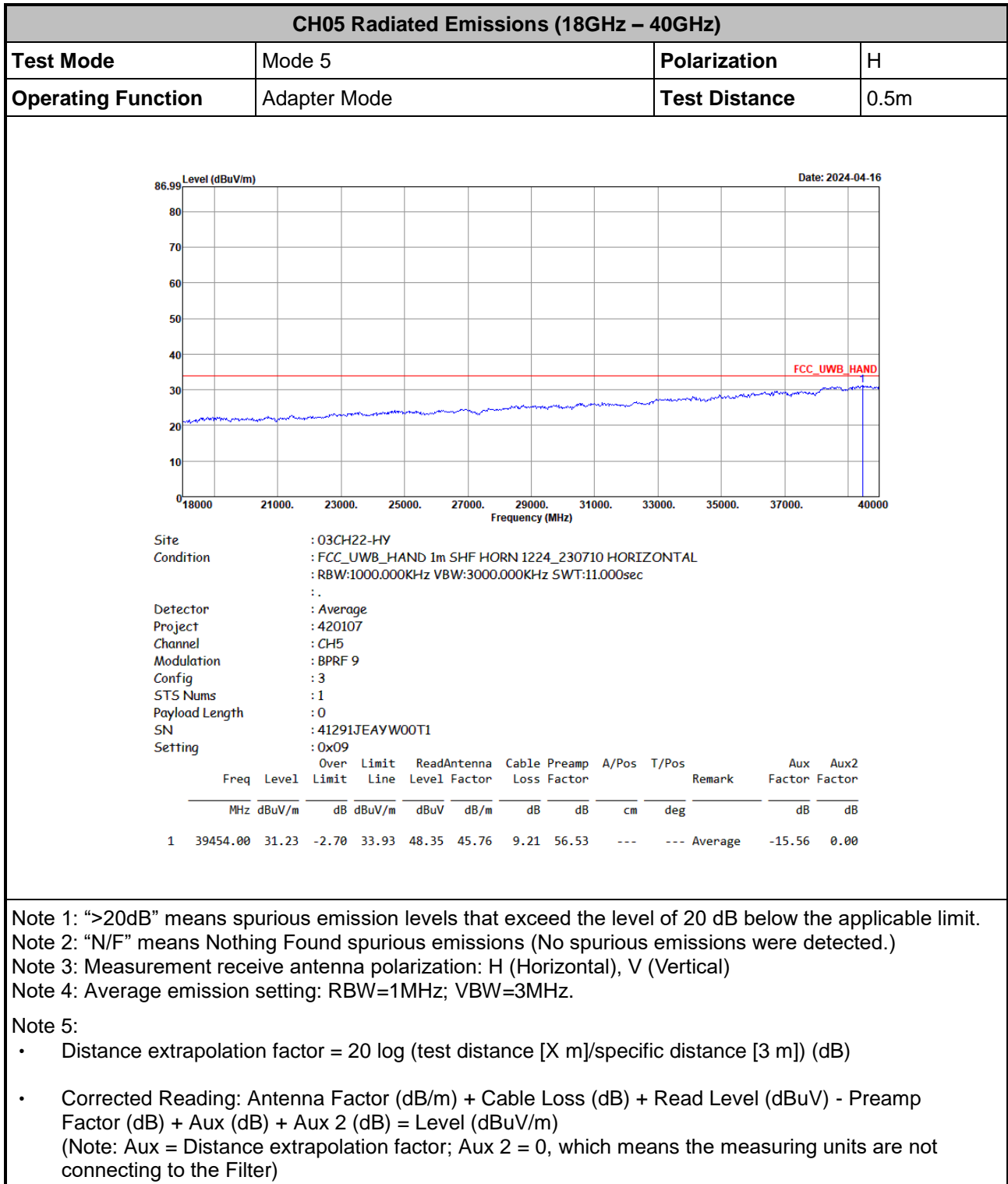
Site : 03CH22-HY  
 Condition : UWB\_GPS 3m LE2C04A18EN\_230712 VERTICAL  
 : RBW:1.000KHz VBW:3.000KHz SWT:40.000sec  
 :  
 Detector : Peak  
 Project : 420107  
 Channel : CH9  
 Modulation : BPRF 9  
 Config : 3  
 STS Num : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x10

|   | Freq    | Level  | Over Limit | Limit Line | ReadAntenna Level | Cable Factor | Preamp Loss | A/Pos | T/Pos | Remark | Aux Factor | Aux2 Factor |
|---|---------|--------|------------|------------|-------------------|--------------|-------------|-------|-------|--------|------------|-------------|
|   | MHz     | dBuV/m | dB         | dBuV/m     | dBuV              | dB/m         | dB          | dB    | cm    | deg    | dB         | dB          |
| 1 | 1164.68 | -3.00  | -12.93     | 9.93       | -1.52             | 24.35        | 5.94        | 31.77 | ---   | Peak   | 0.00       | 0.00        |

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: Average emission setting: RBW=1kHz; VBW=3kHz.
- Note 5: E (dBuV/m) = EIRP Limit (dBm) + 95.23. E(dBuV/m) = -85.3 + 95.23 = 9.93dBuV/m.



3.5.11 Radiated Emissions (18GHz – 40GHz)

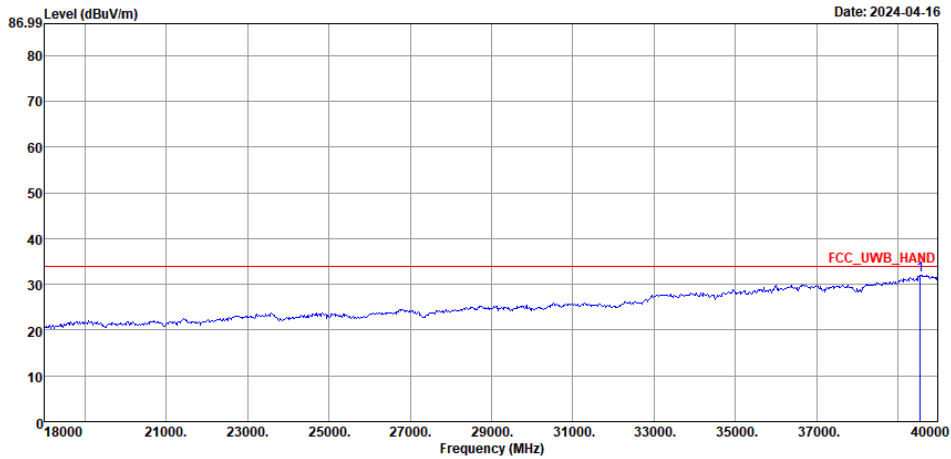






**CH05 Radiated Emissions (18GHz – 40GHz)**

|                           |              |                      |      |
|---------------------------|--------------|----------------------|------|
| <b>Test Mode</b>          | Mode 5       | <b>Polarization</b>  | V    |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 0.5m |



Site : 03CH22-HY  
 Condition : FCC\_UWB\_HAND 1m SHF HORN 1224\_230710 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:11.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH5  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x09

| Freq       | Level  | Over Limit | Limit Line | ReadAntenna Level | Cable Factor | Preamp Loss | A/Pos | T/Pos | Remark | Aux Factor | Aux2 Factor |
|------------|--------|------------|------------|-------------------|--------------|-------------|-------|-------|--------|------------|-------------|
| MHz        | dBuV/m | dB         | dBuV/m     | dBuV              | dB/m         | dB          | dB    | cm    | deg    | dB         | dB          |
| 1 39538.00 | 32.03  | -1.90      | 33.93      | 49.35             | 45.45        | 9.24        | 56.45 | ---   | ---    | Average    | -15.56 0.00 |

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: Average emission setting: RBW=1MHz; VBW=3MHz.

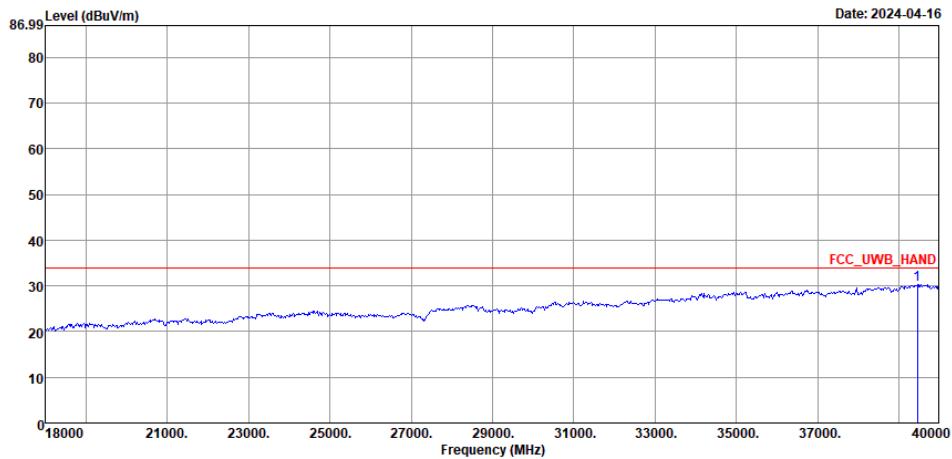
Note 5:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Aux (dB) + Aux 2 (dB) = Level (dBuV/m)  
 (Note: Aux = Distance extrapolation factor; Aux 2 = 0, which means the measuring units are not connecting to the Filter)



**CH09 Radiated Emissions (18GHz – 40GHz)**

|                           |              |                      |      |
|---------------------------|--------------|----------------------|------|
| <b>Test Mode</b>          | Mode 14      | <b>Polarization</b>  | H    |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 0.5m |



Site : 03CH22-HY  
 Condition : FCC\_UWB\_HAND 1m SHF HORN 1224\_230710 HORIZONTAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:11.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH9  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x10

|   | Freq     | Level  | Over Limit | Limit Line | ReadAntenna Level | Cable Factor | Preamp Loss | A/Pos | T/Pos | Remark | Aux Factor | Aux2 Factor |      |
|---|----------|--------|------------|------------|-------------------|--------------|-------------|-------|-------|--------|------------|-------------|------|
|   | MHz      | dBuV/m | dB         | dBuV/m     | dBuV              | dB/m         | dB          | dB    | cm    | deg    | dB         | dB          |      |
| 1 | 39454.00 | 30.33  | -3.60      | 33.93      | 47.45             | 45.76        | 9.21        | 56.53 | ---   | ---    | Average    | -15.56      | 0.00 |

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: Average emission setting: RBW=1MHz; VBW=3MHz.

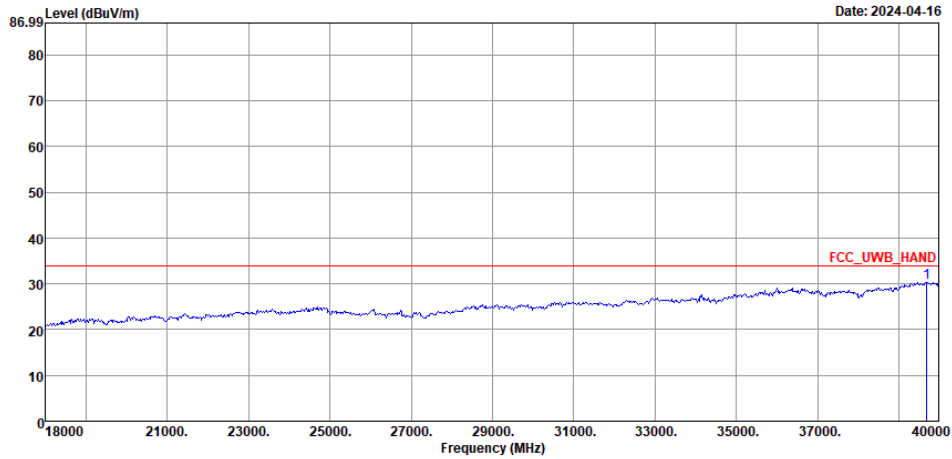
Note 5:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Aux (dB) + Aux 2 (dB) = Level (dBuV/m)  
(Note: Aux = Distance extrapolation factor; Aux 2 = 0, which means the measuring units are not connecting to the Filter)



**CH09 Radiated Emissions (18GHz – 40GHz)**

|                           |              |                      |      |
|---------------------------|--------------|----------------------|------|
| <b>Test Mode</b>          | Mode 14      | <b>Polarization</b>  | V    |
| <b>Operating Function</b> | Adapter Mode | <b>Test Distance</b> | 0.5m |



Site : 03CH22-HY  
 Condition : FCC\_UWB\_HAND 1m SHF HORN 1224\_230710 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:11.000sec  
 :  
 Detector : Average  
 Project : 420107  
 Channel : CH9  
 Modulation : BPRF 9  
 Config : 3  
 STS Nums : 1  
 Payload Length : 0  
 SN : 41291JEAYW00T1  
 Setting : 0x10

|   | Freq     | Level  | Over  | Limit  | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | Aux     | Aux2   |      |
|---|----------|--------|-------|--------|-------------|-------|--------|-------|-------|--------|---------|--------|------|
|   | MHz      | dBuV/m | Limit | Line   | Level       | Loss  | Factor |       |       |        | Factor  | Factor |      |
|   |          |        | dB    | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg    | dB      | dB     |      |
| 1 | 39678.00 | 30.38  | -3.55 | 33.93  | 47.60       | 45.36 | 9.27   | 56.29 | ---   | ---    | Average | -15.56 | 0.00 |

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: Average emission setting: RBW=1MHz; VBW=3MHz.

Note 5:

- Distance extrapolation factor = 20 log (test distance [X m]/specific distance [3 m]) (dB)
- Corrected Reading: Antenna Factor (dB/m) + Cable Loss (dB) + Read Level (dBuV) - Preamp Factor (dB) + Aux (dB) + Aux 2 (dB) = Level (dBuV/m)  
 (Note: Aux = Distance extrapolation factor; Aux 2 = 0, which means the measuring units are not connecting to the Filter)



## 4 Test Equipment and Calibration Data

| Instrument                       | Brand Name      | Model No.               | Serial No.                 | Characteristics               | Calibration Date | Test Date                       | Due Date      | Remark                |
|----------------------------------|-----------------|-------------------------|----------------------------|-------------------------------|------------------|---------------------------------|---------------|-----------------------|
| AC Power Source                  | ACPOWER         | AFC-11003G              | F317040033                 | N/A                           | N/A              | Apr. 15, 2024                   | N/A           | Conduction (CO07-HY)  |
| Software                         | Rohde & Schwarz | EMC32 V10.30            | N/A                        | N/A                           | N/A              | Apr. 15, 2024                   | N/A           | Conduction (CO07-HY)  |
| Pulse Limiter                    | SCHWARZBECK     | VTSD 9561-F N           | 9561-F N00373              | 9kHz-200MHz                   | Oct. 20, 2023    | Apr. 15, 2024                   | Oct. 19, 2024 | Conduction (CO07-HY)  |
| Two-Line V-Network               | TESEQ           | NNB 51                  | 45051                      | N/A                           | Mar. 10, 2024    | Apr. 15, 2024                   | Mar. 09, 2025 | Conduction (CO07-HY)  |
| Four-Line V-Network              | TESEQ           | NNB 52                  | 36122                      | N/A                           | Mar. 07, 2024    | Apr. 15, 2024                   | Mar. 06, 2025 | Conduction (CO07-HY)  |
| EMI Test Receiver                | Rohde & Schwarz | ESR3                    | 102317                     | 9kHz~3.6GHz                   | Sep. 20, 2023    | Apr. 15, 2024                   | Sep. 19, 2024 | Conduction (CO07-HY)  |
| Loop Antenna                     | Rohde & Schwarz | HFH2-Z2                 | 100488                     | 9 kHz~30 MHz                  | Sep. 12, 2023    | Apr. 09, 2024~<br>Apr. 16, 2024 | Sep. 11, 2024 | Radiation (03CH22-HY) |
| Bilog Antenna                    | TESEQ           | CBL 6111D & 00802N1D-06 | 63304 & 002                | 30MHz~1GHz                    | Oct. 15, 2023    | Apr. 09, 2024~<br>Apr. 16, 2024 | Oct. 14, 2024 | Radiation (03CH22-HY) |
| Amplifier                        | SONOMA          | 310N                    | 421581                     | N/A                           | Jul. 15, 2023    | Apr. 09, 2024~<br>Apr. 16, 2024 | Jul. 14, 2024 | Radiation (03CH22-HY) |
| Double Ridged Guide Horn Antenna | RFSPIN          | DRH18-E                 | LE2C04A18EN                | 1GHz~18GHz                    | Jul. 12, 2023    | Apr. 09, 2024~<br>Apr. 16, 2024 | Jul. 11, 2024 | Radiation (03CH22-HY) |
| Amplifier                        | EMEC            | EM01G18GA               | 060877                     | N/A                           | Sep. 28, 2023    | Apr. 09, 2024~<br>Apr. 16, 2024 | Sep. 27, 2024 | Radiation (03CH22-HY) |
| Signal Analyzer                  | Keysight        | N9010B                  | MY62170278                 | 10Hz~44GHz                    | Aug. 31, 2023    | Apr. 09, 2024~<br>Apr. 16, 2024 | Aug. 30, 2024 | Radiation (03CH22-HY) |
| Hygrometer                       | TECPEL          | DTM-303A                | TP211559                   | N/A                           | Nov. 16, 2023    | Apr. 09, 2024~<br>Apr. 16, 2024 | Nov. 15, 2024 | Radiation (03CH22-HY) |
| Controller                       | EMEC            | EM1000                  | N/A                        | Control Turn table & Ant Mast | N/A              | Apr. 09, 2024~<br>Apr. 16, 2024 | N/A           | Radiation (03CH22-HY) |
| Antenna Mast                     | ChainTek        | MBS-520-1               | N/A                        | 1m~4m                         | N/A              | Apr. 09, 2024~<br>Apr. 16, 2024 | N/A           | Radiation (03CH22-HY) |
| Turn Table                       | ChainTek        | T-200-S-1               | N/A                        | 0~360 Degree                  | N/A              | Apr. 09, 2024~<br>Apr. 16, 2024 | N/A           | Radiation (03CH22-HY) |
| Software                         | Audix           | E3<br>6.09824_2019122   | RK-002347                  | N/A                           | N/A              | Apr. 09, 2024~<br>Apr. 16, 2024 | N/A           | Radiation (03CH22-HY) |
| RF Cable                         | HUBER + SUHNER  | SUCOFLEX 102            | 803951/2                   | 9kHz~30MHz                    | Mar. 06, 2024    | Apr. 09, 2024~<br>Apr. 16, 2024 | Mar. 05, 2025 | Radiation (03CH22-HY) |
| RF Cable                         | HUBER + SUHNER  | SUCOFLEX 102            | 804390/2,804611/2,804615/2 | N/A                           | Oct. 24, 2023    | Apr. 09, 2024~<br>Apr. 16, 2024 | Oct. 23, 2024 | Radiation (03CH22-HY) |
| Spectrum Analyzer                | Rohde & Schwarz | FSW43                   | 101456                     | RBW 50MHz                     | Fed. 19, 2024    | Apr. 09, 2024~<br>Apr. 16, 2024 | Fed. 18, 2025 | Radiation (03CH22-HY) |

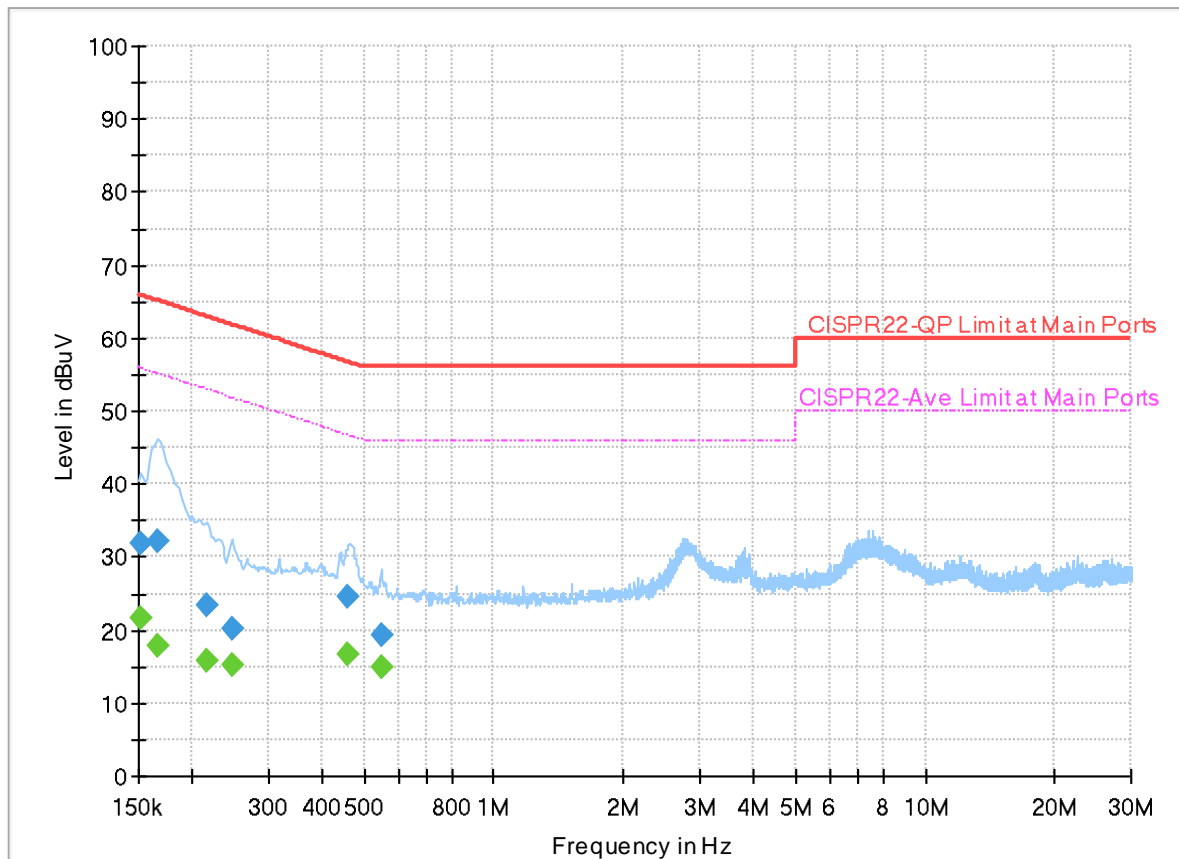


## **Appendix A. AC Conducted Emission Test Results**

## EUT Information

Report NO : 412915  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



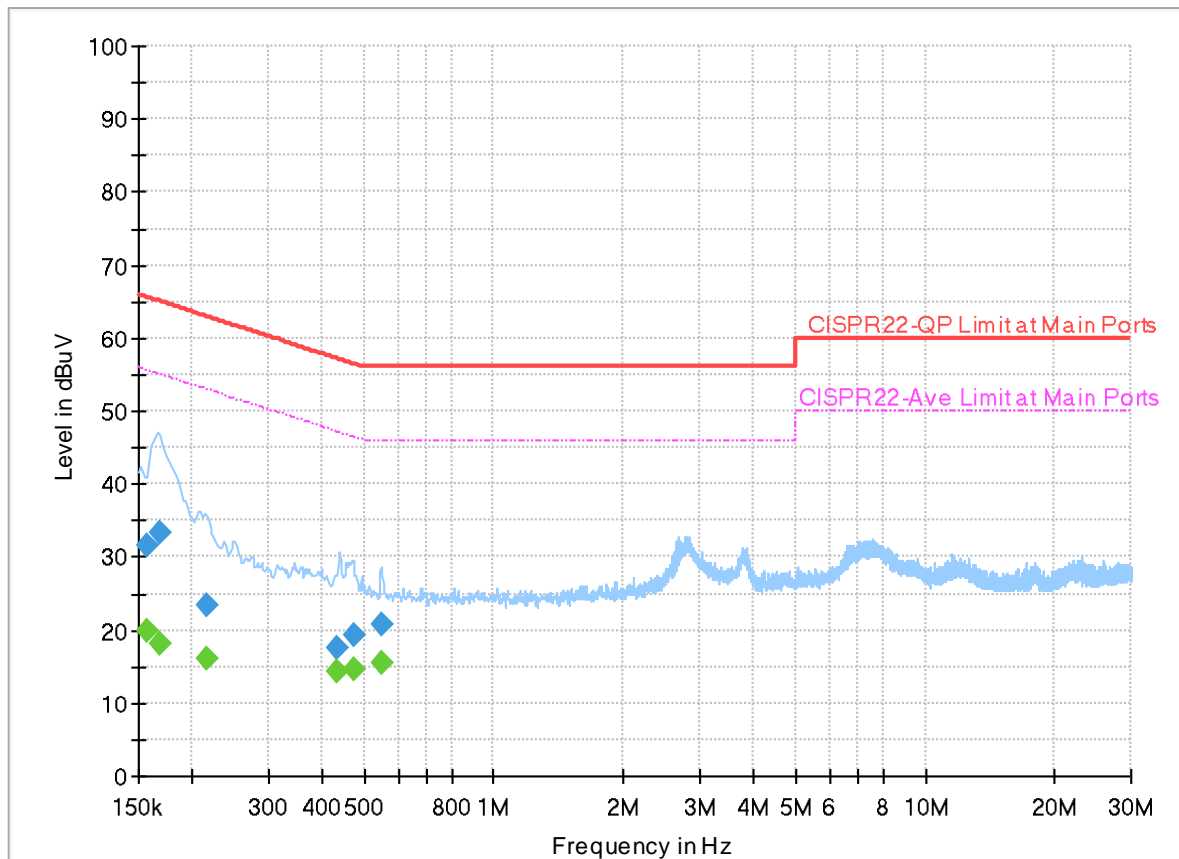
## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152160        | ---              | 21.51           | 55.88        | 34.37       | L1   | OFF    | 19.9       |
| 0.152160        | 31.95            | ---             | 65.88        | 33.93       | L1   | OFF    | 19.9       |
| 0.165570        | ---              | 17.83           | 55.18        | 37.35       | L1   | OFF    | 19.9       |
| 0.165570        | 32.18            | ---             | 65.18        | 33.00       | L1   | OFF    | 19.9       |
| 0.215070        | ---              | 15.93           | 53.01        | 37.08       | L1   | OFF    | 19.9       |
| 0.215070        | 23.31            | ---             | 63.01        | 39.70       | L1   | OFF    | 19.9       |
| 0.246840        | ---              | 15.17           | 51.86        | 36.69       | L1   | OFF    | 19.9       |
| 0.246840        | 20.13            | ---             | 61.86        | 41.73       | L1   | OFF    | 19.9       |
| 0.460680        | ---              | 16.76           | 46.68        | 29.92       | L1   | OFF    | 19.9       |
| 0.460680        | 24.55            | ---             | 56.68        | 32.13       | L1   | OFF    | 19.9       |
| 0.551940        | ---              | 14.80           | 46.00        | 31.20       | L1   | OFF    | 19.9       |
| 0.551940        | 19.33            | ---             | 56.00        | 36.67       | L1   | OFF    | 19.9       |

## EUT Information

Report NO : 412915  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.156750        | ---              | 19.80           | 55.63        | 35.83       | N    | OFF    | 19.9       |
| 0.156750        | 31.56            | ---             | 65.63        | 34.07       | N    | OFF    | 19.9       |
| 0.167820        | ---              | 18.17           | 55.07        | 36.90       | N    | OFF    | 19.9       |
| 0.167820        | 33.28            | ---             | 65.07        | 31.79       | N    | OFF    | 19.9       |
| 0.214980        | ---              | 16.00           | 53.01        | 37.01       | N    | OFF    | 19.9       |
| 0.214980        | 23.51            | ---             | 63.01        | 39.50       | N    | OFF    | 19.9       |
| 0.431340        | ---              | 14.42           | 47.23        | 32.81       | N    | OFF    | 19.9       |
| 0.431340        | 17.53            | ---             | 57.23        | 39.70       | N    | OFF    | 19.9       |
| 0.475890        | ---              | 14.68           | 46.41        | 31.73       | N    | OFF    | 19.9       |
| 0.475890        | 19.43            | ---             | 56.41        | 36.98       | N    | OFF    | 19.9       |
| 0.547440        | ---              | 15.36           | 46.00        | 30.64       | N    | OFF    | 19.9       |
| 0.547440        | 20.73            | ---             | 56.00        | 35.27       | N    | OFF    | 19.9       |

—THE END—