

# FCC Co-location Test Report

Contain FCC ID : XHM-AP6255D42  
Equipment : Module 802.11 a/b/g/n/ac+Bluetooth 4.2  
Brand Name : Flytech  
Model Name : AP6255  
Applicant : FLYTECH TECHNOLOGY CO., Ltd.  
No. 168, Sing-Ai Rd., Neihu District  
11494, Taipei City, Taiwan  
Manufacturer : FLYTECH TECHNOLOGY CO., Ltd.  
No. 168, Sing-Ai Rd., Neihu District  
11494, Taipei City, Taiwan  
Standard : 47 CFR FCC Part 15

The product was received on Mar. 29, 2021, and testing was started from Mar. 30, 2021 and completed on Mar. 31, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

**SPORTON INTERNATIONAL INC. Hsinhua Laboratory**

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

## Table of Contents

|                                                                  |           |
|------------------------------------------------------------------|-----------|
| <b>HISTORY OF THIS TEST REPORT .....</b>                         | <b>3</b>  |
| <b>SUMMARY OF TEST RESULT .....</b>                              | <b>4</b>  |
| 1.1 EUT Information .....                                        | 5         |
| 1.2 Testing Applied Standards .....                              | 5         |
| 1.3 Testing Location Information .....                           | 5         |
| 1.4 Measurement Uncertainty .....                                | 5         |
| <b>2 TEST CONFIGURATION OF EUT.....</b>                          | <b>6</b>  |
| 2.1 Test Condition .....                                         | 6         |
| 2.2 The Worst Case Measurement Configuration.....                | 6         |
| 2.3 Accessories .....                                            | 7         |
| 2.4 Test Setup Diagram .....                                     | 7         |
| <b>3 CO-LOCATION TEST RESULT .....</b>                           | <b>8</b>  |
| 3.1 Emissions in Restricted Frequency Bands.....                 | 8         |
| <b>4 TEST EQUIPMENT AND CALIBRATION DATA .....</b>               | <b>10</b> |
| <b>APPENDIX A. TEST RESULTS OF RADIATED EMISSION CO-LOCATION</b> |           |

## History of this test report

[illegible]



## Summary of Test Result

| Report Clause | Ref. Std. Clause | Test Items                              | Result (PASS/FAIL) | Remark |
|---------------|------------------|-----------------------------------------|--------------------|--------|
| 3.1           | 15.247(d)        | Emissions in Restricted Frequency Bands | PASS               | -      |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and explanations:**

None

**Reviewed by:** Sam Tsai

**Report Producer:** Jenny Yang

## 1.1 EUT Information

| Type of EUT                         |                                                                                    |
|-------------------------------------|------------------------------------------------------------------------------------|
| <input type="checkbox"/>            | Stand-alone                                                                        |
| <input checked="" type="checkbox"/> | Combined (EUT where the radio part is fully integrated within another device)      |
|                                     | Combined Equipment - Brand Name / Model No.: Mobile PC –Touch Dynamic / Quest VIII |
| <input type="checkbox"/>            | Plug-in radio (EUT intended for a variety of host systems)                         |
|                                     | Host System - Brand Name / Model No.: ...                                          |
| <input type="checkbox"/>            | Other:                                                                             |

## 1.2 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

## 1.3 Testing Location Information

| Test Lab. : Sporton International Inc. Hsinhua Laboratory |                             |                                                                                                                                    |                      |                         |
|-----------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|
| <input type="checkbox"/>                                  | Hsinhua<br>(TAF: 3785)      | ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)<br>TEL: 886-3-327-3456 FAX: 886-3-327-0973          |                      |                         |
| Test site Designation No. TW3785 with FCC.                |                             |                                                                                                                                    |                      |                         |
| <input checked="" type="checkbox"/>                       | Wen 33rd.St.<br>(TAF: 3785) | ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)<br>TEL: 886-3-318-0787 FAX: 886-3-318-0287 |                      |                         |
| Test site Designation No. TW0008 with FCC.                |                             |                                                                                                                                    |                      |                         |
| Test Condition                                            | Test Site No.               | Test Engineer                                                                                                                      | Test Environment     | Test Date               |
| Radiated                                                  | 03CH09-HY                   | Daniel Hsu                                                                                                                         | 22.6~24.3°C / 55~62% | 30/Mar/2021~31/Mar/2021 |

## 1.4 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                   |
|-----------------------------------|-------------|--------------------------|
| Radiated Emission (1GHz ~ 18GHz)  | 3.6 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz) | 3.5 dB      | Confidence levels of 95% |
| Temperature                       | 0.41 °C     | Confidence levels of 95% |
| Humidity                          | 3.4 %       | Confidence levels of 95% |

## 2 Test Configuration of EUT

### 2.1 Test Condition

| RF Conducted | Abbreviation | Remark |
|--------------|--------------|--------|
| TnomVnom     | Tnom         | 20°C   |
| -            | Vnom         | 120V   |

### 2.2 The Worst Case Measurement Configuration

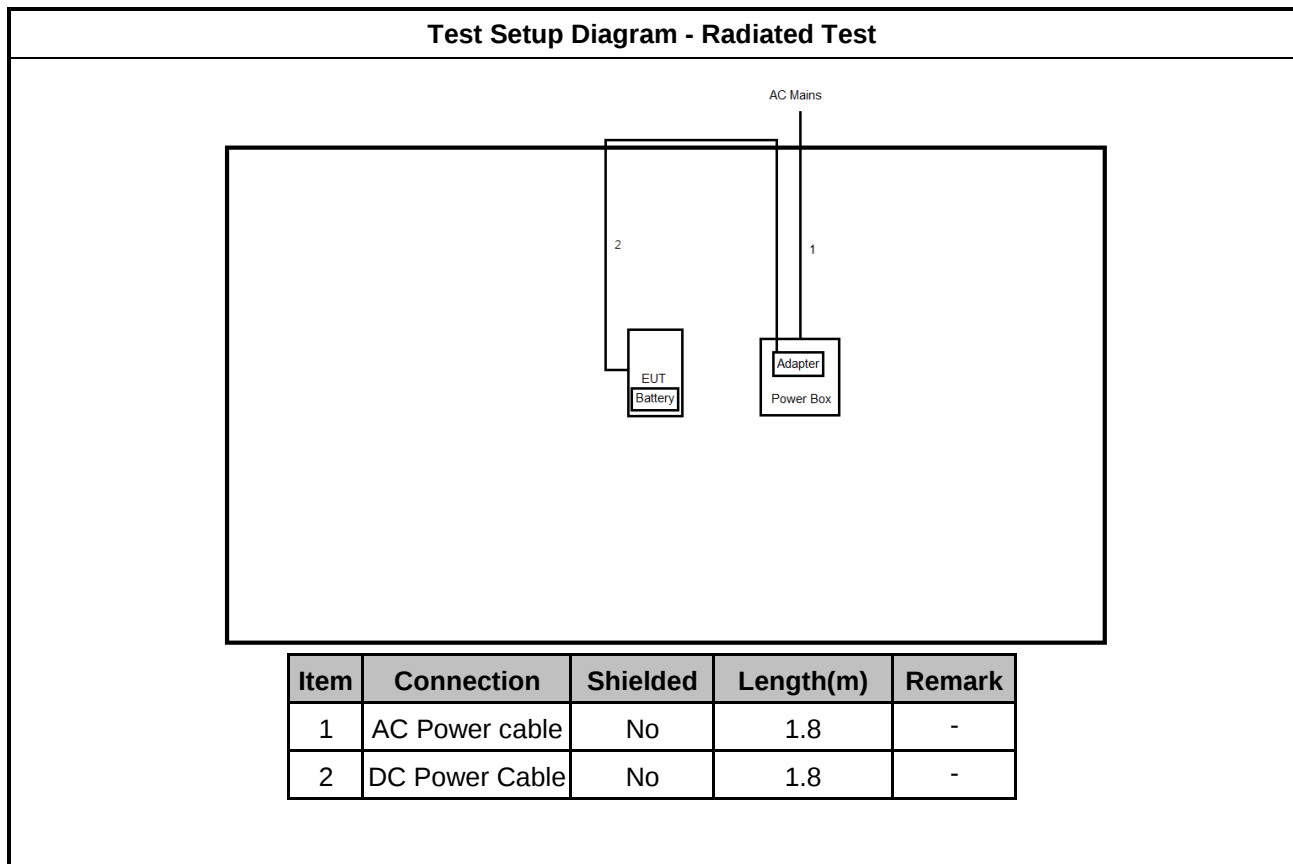
| The Worst Case Mode for Following Conformance Tests |                                                                                                                                                                                                                                                     |                                                                                     |                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Tests Item                                          | Emissions in Restricted Frequency Bands                                                                                                                                                                                                             |                                                                                     |                                                                                       |
| Test Condition                                      | Radiated measurement<br>If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. |                                                                                     |                                                                                       |
| Operating Mode                                      | Normal link                                                                                                                                                                                                                                         |                                                                                     |                                                                                       |
| 1                                                   | Adapter Mode ; WLAN 2.4G+Bluetooth                                                                                                                                                                                                                  |                                                                                     |                                                                                       |
| 2                                                   | Adapter Mode ; WLAN 5G+Bluetooth                                                                                                                                                                                                                    |                                                                                     |                                                                                       |
| Orthogonal Planes of EUT                            | X Plane                                                                                                                                                                                                                                             | Y Plane                                                                             | Z Plane                                                                               |
|                                                     |                                                                                                                                                                  |  |  |
| Worst Planes of EUT                                 |                                                                                                                                                                                                                                                     | V                                                                                   |                                                                                       |

## 2.3 Accessories

| Accessories      |              |                                                 |            |                 |
|------------------|--------------|-------------------------------------------------|------------|-----------------|
| AC Adapter       | Brand Name   | Asian Power Devices                             | Model Name | WA-36A12R       |
|                  | Power Rating | I/P: 100- 240Vac, 0.9A, O/P: 12Vdc, 3 A         |            |                 |
|                  | Power Cord   | 1.8 meter, Non-Shielded cable, w/o ferrite core |            |                 |
| Battery(1)       | Brand Name   | SMP                                             | Model Name | BA750000        |
|                  | Power Rating | 3.85 Vdc, 7454 mAh, 28.69 Wh                    | Type       | Li-ion          |
| Battery(2)       | Brand Name   | Formosa                                         | Model Name | HL502430        |
|                  | Power Rating | 3.7 Vdc, 300 mAh, 1.11 Wh                       | Type       | Li-ion          |
| LCD Panel        | Brand Name   | Interchangeable                                 | Model Name | Interchangeable |
| MSR              | Brand Name   | Flytech                                         | Model Name | P-2M301         |
| Mini Smart Card2 | Brand Name   | Flytech                                         | Model Name | P-2M302         |
| VP3300           | Brand Name   | Flytech                                         | Model Name | P-2M303         |
| Augusta          | Brand Name   | Flytech                                         | Model Name | P-2M305         |

Reminder: Regarding to more detail and other information, please refer to user manual.

## 2.4 Test Setup Diagram



### 3 Co-location Test Result

#### 3.1 Emissions in Restricted Frequency Bands

##### 3.1.1 Emissions in Restricted Frequency Bands Limit

| Restricted Band Emissions 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.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

##### 3.1.2 Measuring Instruments

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

### 3.1.3 Test Procedures

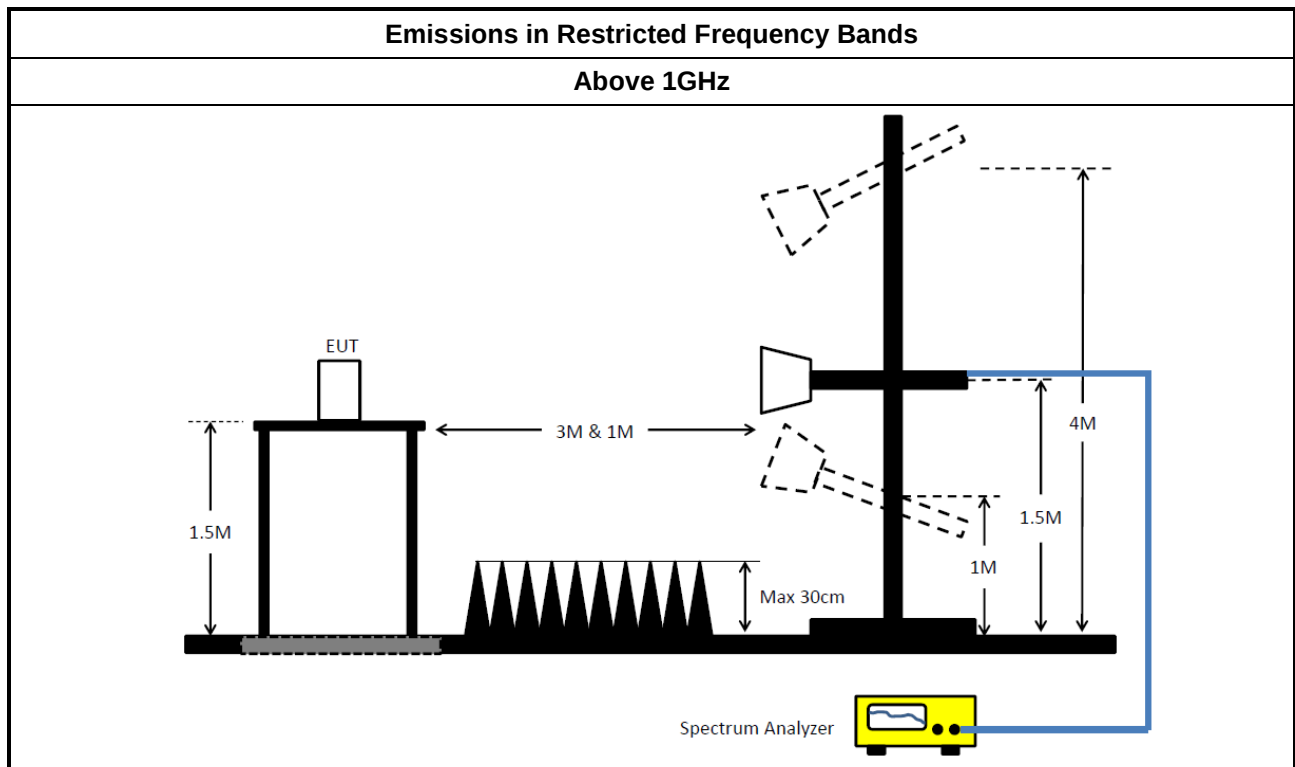
| Test Method                                                                                                                                                                          |                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>The average emission levels shall be measured in [duty cycle <math>\geq 98</math> or duty factor].</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 11.12 for restricted frequency bands.</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 6.6 for radiated emissions above 1GHz.</li> </ul>                                                         |
| <ul style="list-style-type: none"> <li>The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>                                                  |                                                                                                                                                                               |
| <ul style="list-style-type: none"> <li>All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul> |                                                                                                                                                                               |
| <ul style="list-style-type: none"> <li>Use the following spectrum analyzer settings:</li> </ul>                                                                                      |                                                                                                                                                                               |
|                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>Set RBW=100 kHz for <math>f &lt; 1</math> GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> </ul>       |
|                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>Set RBW = 1 MHz, VBW= 3MHz for <math>f \geq 1</math> GHz for peak measurement.<br/>For average measurement, refer as 1.1.4.</li> </ul> |

### 3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

### 3.1.5 Test Setup



### 3.1.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix A

## 4 Test Equipment and Calibration Data

### Instrument for Radiated Test

| Instrument                       | Manufacturer     | Model No.         | Serial No.                                     | Spec.            | Calibration Date | Calibration Due Date |
|----------------------------------|------------------|-------------------|------------------------------------------------|------------------|------------------|----------------------|
| 3m Semi Anechoic Chamber         | TDK              | SAC-3M            | 03CH09-HY                                      | 1GHz~18GHz<br>3m | 18/Mar/2021      | 17/Mar/2022          |
| EXA Signal Analyzer              | KEYSIGHT         | N9010A            | MY54200885                                     | 10Hz~44GHz       | 11/Aug/2020      | 10/Aug/2021          |
| Microwave Preamplifier           | Agilent          | 8449B             | 3008A02096                                     | 1GHz~26.5GHz     | 24/Jul/2020      | 23/Jul/2021          |
| Double Ridged Guide Horn Antenna | SCHWARZBECK      | BBHA 9120 D       | BBHA9120 D 1534                                | 1GHz~18GHz       | 28/May/2020      | 27/May/2021          |
| RF CABLE<br>5m+3m+1m             | HUBER+<br>SUHNER | SUCOFLEX104       | SN MY25918/4+ SN<br>MY39478/4 + SN<br>324530/4 | 1GHz~40GHz       | 15/Aug/2020      | 14/Aug/2021          |
| Broadband Horn Antenna           | SCHWARZBECK      | BBHA 9170         | BBHA 9170221                                   | 15GHz~40GHz      | 11/Mar/2021      | 10/Mar/2022          |
| Preamplifier                     | MITEQ            | TTA1840-35-H<br>G | 1864481                                        | 18GHz~40GHz      | 18/Mar/2021      | 17/Mar/2022          |

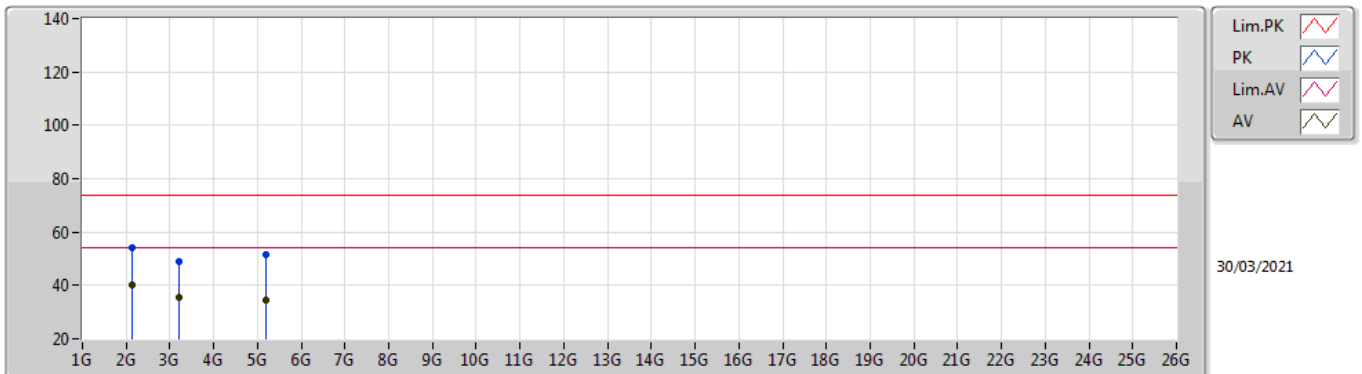
**Summary**

| Mode   | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Condition |
|--------|--------|------|-----------|----------------|----------------|-------------|-----------|
| Mode 1 | Pass   | AV   | 2.13007G  | 39.98          | 54.00          | -14.02      | Vertical  |
| Mode 2 | Pass   | AV   | 2.19G     | 41.90          | 54.00          | -12.10      | Vertical  |

**Mode Configure**

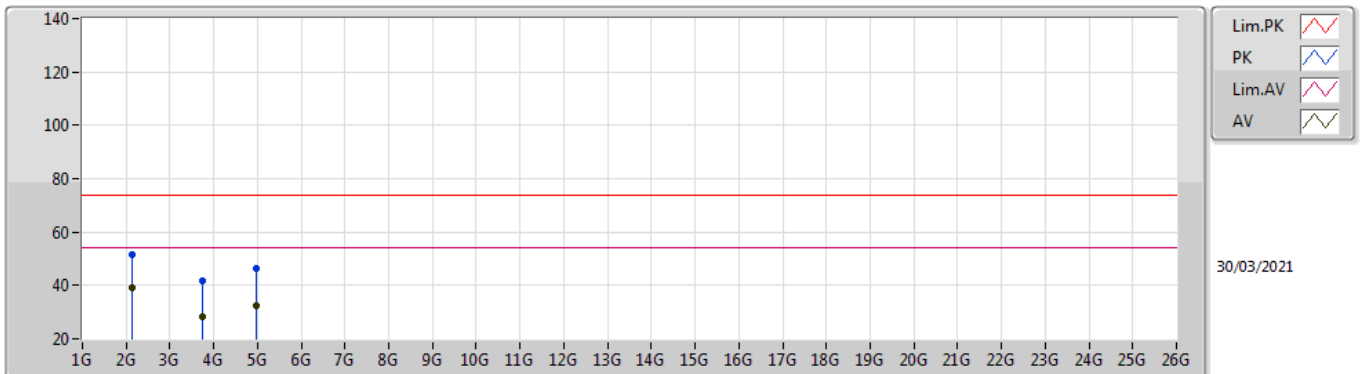
| Mode   | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|--------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| Mode 1 | Pass   | AV   | 2.13007G  | 39.98          | 54.00          | -14.02      | 3        | Vertical   | 237         | 2.04       | -        |
| Mode 1 | Pass   | AV   | 3.2G      | 35.67          | 54.00          | -18.33      | 3        | Vertical   | 127         | 1.02       | -        |
| Mode 1 | Pass   | AV   | 5.2G      | 34.52          | 54.00          | -19.48      | 3        | Vertical   | 185         | 2.07       | -        |
| Mode 1 | Pass   | PK   | 2.13007G  | 54.31          | 74.00          | -19.69      | 3        | Vertical   | 237         | 2.04       | -        |
| Mode 1 | Pass   | PK   | 3.2G      | 48.71          | 74.00          | -25.29      | 3        | Vertical   | 127         | 1.02       | -        |
| Mode 1 | Pass   | PK   | 5.2G      | 51.74          | 74.00          | -22.26      | 3        | Vertical   | 185         | 2.07       | -        |
| Mode 1 | Pass   | AV   | 2.12796G  | 39.07          | 54.00          | -14.93      | 3        | Horizontal | 317         | 1.87       | -        |
| Mode 1 | Pass   | AV   | 3.73G     | 28.46          | 54.00          | -25.54      | 3        | Horizontal | 231         | 2.37       | -        |
| Mode 1 | Pass   | AV   | 4.96G     | 32.63          | 54.00          | -21.37      | 3        | Horizontal | 106         | 1.01       | -        |
| Mode 1 | Pass   | PK   | 2.12796G  | 51.51          | 74.00          | -22.49      | 3        | Horizontal | 317         | 1.87       | -        |
| Mode 1 | Pass   | PK   | 3.73G     | 41.93          | 74.00          | -32.07      | 3        | Horizontal | 231         | 2.37       | -        |
| Mode 1 | Pass   | PK   | 4.96G     | 46.50          | 74.00          | -27.50      | 3        | Horizontal | 106         | 1.01       | -        |
| Mode 2 | Pass   | AV   | 2.19G     | 41.90          | 54.00          | -12.10      | 3        | Vertical   | 247         | 1.12       | -        |
| Mode 2 | Pass   | AV   | 3.59G     | 28.51          | 54.00          | -25.49      | 3        | Vertical   | 248         | 1.15       | -        |
| Mode 2 | Pass   | AV   | 5.35G     | 31.29          | 54.00          | -22.71      | 3        | Vertical   | 19          | 1.99       | -        |
| Mode 2 | Pass   | PK   | 2.19G     | 53.40          | 74.00          | -20.60      | 3        | Vertical   | 247         | 1.12       | -        |
| Mode 2 | Pass   | PK   | 3.59G     | 42.59          | 74.00          | -31.41      | 3        | Vertical   | 248         | 1.15       | -        |
| Mode 2 | Pass   | PK   | 5.35G     | 48.97          | 74.00          | -25.03      | 3        | Vertical   | 19          | 1.99       | -        |
| Mode 2 | Pass   | AV   | 2.1281G   | 38.95          | 54.00          | -15.05      | 3        | Horizontal | 315         | 1.55       | -        |
| Mode 2 | Pass   | AV   | 3.58G     | 28.06          | 54.00          | -25.94      | 3        | Horizontal | 3           | 2.14       | -        |
| Mode 2 | Pass   | AV   | 5.04G     | 30.89          | 54.00          | -23.11      | 3        | Horizontal | 99          | 2.26       | -        |
| Mode 2 | Pass   | PK   | 2.1281G   | 52.67          | 74.00          | -21.33      | 3        | Horizontal | 315         | 1.55       | -        |
| Mode 2 | Pass   | PK   | 3.58G     | 42.21          | 74.00          | -31.79      | 3        | Horizontal | 3           | 2.14       | -        |
| Mode 2 | Pass   | PK   | 5.04G     | 44.56          | 74.00          | -29.44      | 3        | Horizontal | 99          | 2.26       | -        |

## Radiated Emissions above 1GHz\_Mode 1



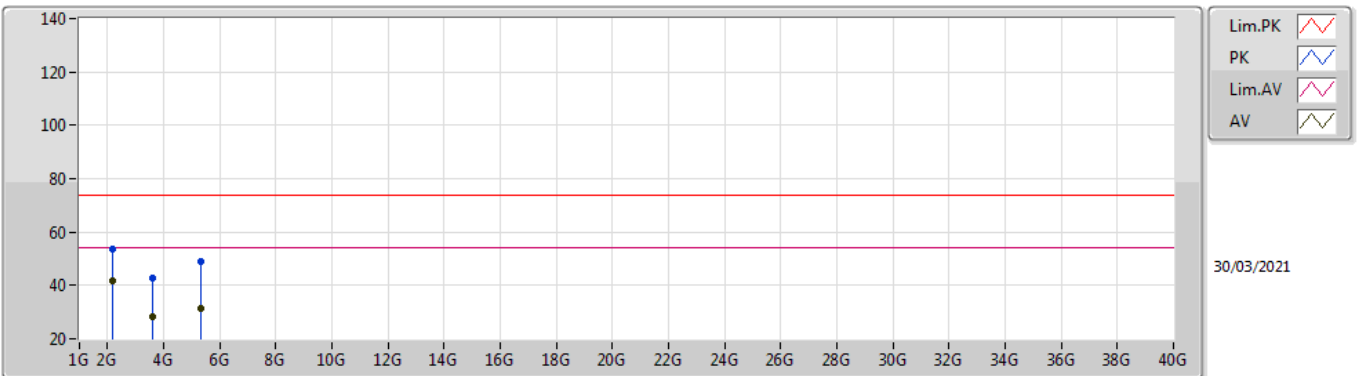
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.13007G     | 39.98             | 54.00             | -14.02         | -3.93          | 3           | Vertical  | 237            | 2.04          | -       | 43.91         | 27.28      | 3.53       | 34.74      |
| AV   | 3.2G         | 35.67             | 54.00             | -18.33         | -1.28          | 3           | Vertical  | 127            | 1.02          | -       | 36.95         | 29.00      | 4.80       | 35.08      |
| AV   | 5.2G         | 34.52             | 54.00             | -19.48         | 2.29           | 3           | Vertical  | 185            | 2.07          | -       | 32.23         | 31.70      | 5.50       | 34.91      |
| PK   | 2.13007G     | 54.31             | 74.00             | -19.69         | -3.93          | 3           | Vertical  | 237            | 2.04          | -       | 58.24         | 27.28      | 3.53       | 34.74      |
| PK   | 3.2G         | 48.71             | 74.00             | -25.29         | -1.28          | 3           | Vertical  | 127            | 1.02          | -       | 49.99         | 29.00      | 4.80       | 35.08      |
| PK   | 5.2G         | 51.74             | 74.00             | -22.26         | 2.29           | 3           | Vertical  | 185            | 2.07          | -       | 49.45         | 31.70      | 5.50       | 34.91      |

### Radiated Emissions above 1GHz\_Mode 1



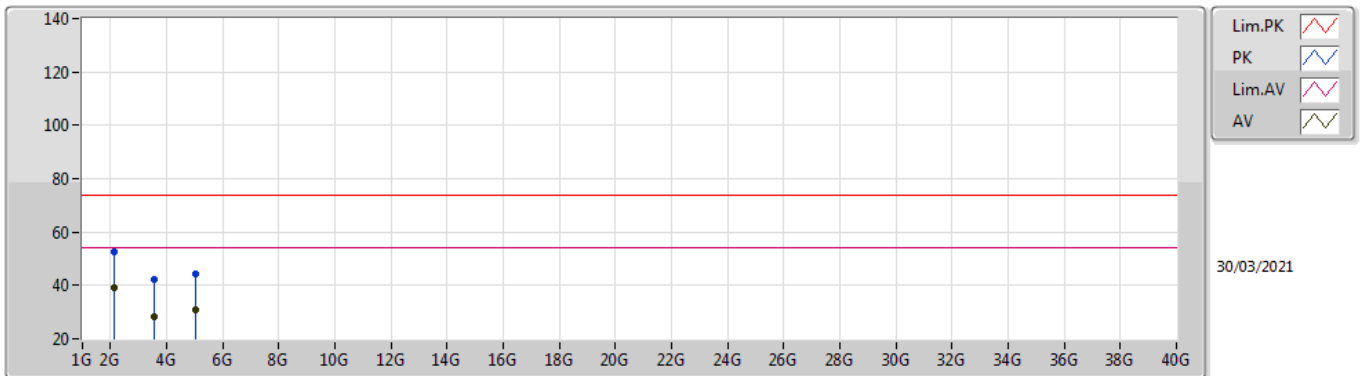
| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.12796G     | 39.07             | 54.00             | -14.93         | -3.95          | 3           | Horizontal | 317            | 1.87          | -       | 43.02         | 27.25      | 3.53       | 34.73      |
| AV   | 3.73G        | 28.46             | 54.00             | -25.54         | -0.98          | 3           | Horizontal | 231            | 2.37          | -       | 29.44         | 29.20      | 4.80       | 34.98      |
| AV   | 4.96G        | 32.63             | 54.00             | -21.37         | 1.86           | 3           | Horizontal | 106            | 1.01          | -       | 30.77         | 31.42      | 5.38       | 34.94      |
| PK   | 2.12796G     | 51.51             | 74.00             | -22.49         | -3.95          | 3           | Horizontal | 317            | 1.87          | -       | 55.46         | 27.25      | 3.53       | 34.73      |
| PK   | 3.73G        | 41.93             | 74.00             | -32.07         | -0.98          | 3           | Horizontal | 231            | 2.37          | -       | 42.91         | 29.20      | 4.80       | 34.98      |
| PK   | 4.96G        | 46.50             | 74.00             | -27.50         | 1.86           | 3           | Horizontal | 106            | 1.01          | -       | 44.64         | 31.42      | 5.38       | 34.94      |

## Radiated Emissions above 1GHz\_Mode 2



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.19G        | 41.90             | 54.00             | -12.10         | -3.10          | 3           | Vertical  | 247            | 1.12          | -       | 45.00         | 28.08      | 3.59       | 34.77      |
| AV   | 3.59G        | 28.51             | 54.00             | -25.49         | -1.21          | 3           | Vertical  | 248            | 1.15          | -       | 29.72         | 29.08      | 4.80       | 35.09      |
| AV   | 5.35G        | 31.29             | 54.00             | -22.71         | 2.07           | 3           | Vertical  | 19             | 1.99          | -       | 29.22         | 31.30      | 5.65       | 34.88      |
| PK   | 2.19G        | 53.40             | 74.00             | -20.60         | -3.10          | 3           | Vertical  | 247            | 1.12          | -       | 56.50         | 28.08      | 3.59       | 34.77      |
| PK   | 3.59G        | 42.59             | 74.00             | -31.41         | -1.21          | 3           | Vertical  | 248            | 1.15          | -       | 43.80         | 29.08      | 4.80       | 35.09      |
| PK   | 5.35G        | 48.97             | 74.00             | -25.03         | 2.07           | 3           | Vertical  | 19             | 1.99          | -       | 46.90         | 31.30      | 5.65       | 34.88      |

## Radiated Emissions above 1GHz\_Mode 2



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.1281G      | 38.95             | 54.00             | -15.05         | -3.95          | 3           | Horizontal | 315            | 1.55          | -       | 42.90         | 27.25      | 3.53       | 34.73      |
| AV   | 3.58G        | 28.06             | 54.00             | -25.94         | -1.23          | 3           | Horizontal | 3              | 2.14          | -       | 29.29         | 29.06      | 4.80       | 35.09      |
| AV   | 5.04G        | 30.89             | 54.00             | -23.11         | 2.23           | 3           | Horizontal | 99             | 2.26          | -       | 28.66         | 31.74      | 5.42       | 34.93      |
| PK   | 2.1281G      | 52.67             | 74.00             | -21.33         | -3.95          | 3           | Horizontal | 315            | 1.55          | -       | 56.62         | 27.25      | 3.53       | 34.73      |
| PK   | 3.58G        | 42.21             | 74.00             | -31.79         | -1.23          | 3           | Horizontal | 3              | 2.14          | -       | 43.44         | 29.06      | 4.80       | 35.09      |
| PK   | 5.04G        | 44.56             | 74.00             | -29.44         | 2.23           | 3           | Horizontal | 99             | 2.26          | -       | 42.33         | 31.74      | 5.42       | 34.93      |