| | | | | |
|---|---|---|---|---|
| **Prüfbericht-Nr.:** *Test report no.:* | **CN22CBU2 004** | **Auftrags-Nr.:** *Order no.:* | 168342360 | Seite 1 von 27 *Page 1 of 27* |
| **Kunden-Referenz-Nr.:** *Client reference no.:* | **N/A** | **Auftragsdatum:** *Order date:* | 2021-11-20 | |
| **Auftraggeber:** *Client:* | **SZ DJI TECHNOLOGY CO., LTD** 14th Floor, West Wing, Skyworth Semiconductor Design Building No.18 Gaoxin South 4th Ave, Nanshan District, Shenzhen, P.R. China | | | |
| **Prüfgegenstand:** *Test item:* | Agras T40, Agras T20P | | | |
| **Bezeichnung / Typ-Nr.:** *Identification / Type no.:* | 3WWDZ-40A, 3WWDZ-20A | | | |
| **Auftrags-Inhalt:** *Order content:* | Test Report | | | |
| **Prüfgrundlage:** *Test specification:* | CFR47 FCC Part 15: Subpart C Section 15.249<br>RSS-Gen & RSS-210 | | | |

| | | |
|---|---|---|
| **Wareneingangsdatum:** *Date of sample receipt:* | 2021-10-28 | Refer to photo document |
| **Prüfmuster-Nr.:** *Test sample no:* | A003168006 007 | |
| **Prüfzeitraum:** *Testing period:* | 2022-01-02 to 2022-01-21 | |
| **Ort der Prüfung:** *Place of testing:* | TUV Rheinland Taiwan Ltd. | |
| **Prüflaboratorium:** *Testing laboratory:* | TÜV Rheinland (Shenzhen) Co., Ltd. | |
| **Prüfergebnis*:** *Test result*:* | Pass | |

| | | | |
|---|---|---|---|
| **geprüft von:** *tested by:* | X Bell Hu<br>Signed by: Bell Hu | **genehmigt von:** *authorized by:* | X Lin Lin<br>Signed by: Lin Lin |
| **Datum:** *Date:* 2022-02-08 | | **Ausstellungsdatum:** *Issue date:* 2022-02-08 | |
| **Stellung** */ Position:* | **Project Manager** | **Stellung** */ Position:* | **Reviewer** |

| | |
|---|---|
| **Sonstiges** */ Other:* | FCC ID: SS3-T40A2112; IC:11805A-T40A2112;<br>PMN: Agras T40, Agras T20P;<br>HVIN: 3WWDZ-40A, 3WWDZ-20A<br>This report is for 24GHz Radars. |

| | |
|---|---|
| **Zustand des Prüfgegenstandes bei Anlieferung:** *Condition of the test item at delivery:* | Prüfmuster vollständig und unbeschädigt<br>*Test item complete and undamaged* |

| | | | | | |
|---|---|---|---|---|---|
| * Legende: | 1 = sehr gut | 2 = gut | 3 = befriedigend | 4 = ausreichend | 5 = mangelhaft |
| | P(ass) = entspricht o.g. Prüfgrundlage(n) | | F(ail) = entspricht nicht o.g. Prüfgrundlage(n) | N/A = nicht anwendbar | N/T = nicht getestet |
| ** Legend:* | *1 = very good* | *2 = good* | *3 = satisfactory* | *4 = sufficient* | *5 = poor* |
| | *P(ass) = passed a.m. test specification(s)* | | *F(ail) = failed a.m. test specification(s)* | *N/A = not applicable* | *N/T = not tested* |

# TEST SUMMARY

### 5.1.1 ANTENNA REQUIREMENT
*RESULT:* *Pass*

### 5.1.2 20 DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH
*RESULT:* *Pass*

### 5.1.3 FIELD STRENGTH OF FUNDAMENTAL EMISSIONS AND BAND EDGE
*RESULT:* *Pass*

### 5.1.4 RADIATED SPURIOUS EMISSION
*RESULT:* *Pass*

# TABLE OF CONTENTS

# 1. General Remarks

## 1.1 Complementary Materials

N/A

# 2. Test Sites

## 2.1 Test Facilities

Test Laboratory
Taipei Testing Laboratories
11F. No.758, Sec. 4, Bade Rd., Songshan Dist.
Taipei City 105
Taiwan (R.O.C.)

Taipei Testing Laboratories
No.458-18, Sec. 2, Fenliao Rd., Linkou Dist.,
New Taipei City 244
Taiwan (R.O.C.)
FCC Registration No.: 226631
ISED Registration No.: 25563

## 2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

| Kind of Equipment | Manufacturer | Type | S/N | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| Receiver | R&S | ESR7 | 102109 | 2021/3/16 | 2022/3/15 |
| Signal Analyzer | R&S | FSV40 | 101508 | 2021/3/16 | 2022/3/15 |
| Bilog Antenna | SCHWARZBECK | VULB-9168 | 00951 | 2021/2/18 | 2022/2/17 |
| Horn Antenna | ETS-Lindgren | 3117 | 00218930 | 2021/12/20 | 2022/12/19 |
| Horn Antenna | SCHWARZBECK | BBHA 9170 | 00887 | 2021/4/8 | 2022/4/7 |
| LF-AMP | Agilent | 8447D | 2944A10772 | 2021/2/18 | 2022/2/17 |
| HF-AMP + AC source | EMCI | EMC051845SE | 980633 | 2021/2/9 | 2022/2/8 |
| HF-AMP + AC source | EMCI | EMC184045SE | 980657 | 2021/2/1 | 2022/1/31 |
| Microwave Cable | HUBER+SUHNER | SUCOFLEX 104EA | 800056/4EA | 2021/3/17 | 2022/3/16 |
| Microwave Cable | HUBER+SUHNER | SUCOFLEX 104 | 804680/4 | 2021/3/17 | 2022/3/16 |
| Microwave Cable | HUBER+SUHNER | SUCOFLEX 104 | MY37202/4 | 2021/3/17 | 2022/3/16 |
| Microwave Cable | HUBER+SUHNER | SUCOFLEX 102EA | 800898/2EA | 2021/4/16 | 2022/4/15 |
| Microwave Cable | HUBER+SUHNER | SUCOFLEX 102EA | 800901/2EA | 2021/4/16 | 2022/4/15 |
| Microwave Cable | HUBER+SUHNER | SUCOFLEX 102EA | 801027/2EA | 2021/4/16 | 2022/4/15 |
| Coincal Horn Antenna | VDI | WR15CH | 1-15 | 2021/4/12 | 2024/4/11 |
| Coincal Horn Antenna | VDI | WR12CH | RCH012RL | 2021/4/15 | 2024/4/14 |
| Coincal Horn Antenna | VDI | WR10CH | 1-10 | 2021/2/19 | 2024/2/19 |
| Coincal Horn Antenna | VDI | WR8.0CH | 1-8.0 | 2021/4/8 | 2024/4/7 |
| Coincal Horn Antenna | OML | M19RH | 16070501 | 2021/4/8 | 2024/4/7 |
| Mixer SA | VDI | N9029AV15 | SAX 039 | 2019/7/1 | 2022/6/30 |
| Mixer SA | VDI | N9029AV12 | SAX 243 | 2019/7/1 | 2022/6/30 |
| Mixer SA | VDI | N9029AV10 | SAX 047 | 2019/7/1 | 2022/6/30 |
| Mixer SA | VDI | N9029AV08 | SAX 045 | 2019/7/1 | 2022/6/30 |
| Harmonic Mixer | Keysight | M1971W | MY56390137 | 2019/7/1 | 2022/6/30 |
| Harmonic Mixer | Keysight | M19HWDX | 160118-1 | 2020/12/8 | 2023/12/7 |
| Signal Analyzer | Agilent | N9010A | MY52221334 | 2021/3/4 | 2024/3/3 |
| Loop Antenna | SCHWARZBECK | FMZB1519B | 00215 | 2021/12/8 | 2022/12/7 |

## 2.3 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, to equivalent nationally recognized standards organizations.

## 2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

## 2.5 Uncertainty of Measurement

The value of the measurement uncertainty of each parameter is listed as below:

Table 2: Measurement Uncertainty

| Parameter | Uncertainty |
|---|---|
| Radiated Emission (9 kHz ~ 30 MHz) | ± 1.15 dB |
| Radiated Emission (30 MHz ~ 200 MHz) | ± 1.32 dB |
| Radiated Emission (200 MHz ~ 1 GHz) | ± 1.31 dB |
| Radiated Emission (1 GHz ~ 18 GHz) | ± 1.53 dB |
| Radiated Emission (18 GHz ~ 40 GHz) | ± 2.50 dB |
| Radiated Emission (40 GHz ~ 100 GHz) | ±1.78 dB |
| Mains Conducted Emission | ± 1.65 dB |

# 3. General Product Information

## 3.1 Product Function and Intended Use

The EUT (**E**quipment **U**nder **T**est) is an Aircraft. It supports 2.4GHz SDR, 5.8GHz SDR, 24GHz Radar and GNSS functions.
*Remark: SDR means specific defined radio, and cannot changes radio specification via software/firmware by end-users.
This report is only for 24GHz Radar only.
This device contains two 24GHz radars, TF&RV Radar (Model: RD2484B) and AESA Digital Radar (Model: RD2484R), both of them were tested, only the worst-case reported.
Note: The radars were pre-certificated (FCC ID: SS3-RD2484B2111, IC: 11805A-RD2484B2111 and FCC ID: SS3-RD2484R2111, IC: 11805A-RD2484R2111), and the related data in this report cited from the original reports.
According to the declaration of the applicant, the electrical circuit design and PCB layout are identical, only the model number, battery capacity and overall size are different for market strategy.

For details refer to the User Manual, Technical Description and Circuit Diagram.

For details refer to user manual and circuit diagram.

## 3.2 Ratings and System Details

Table 3: Technical Specification

| General Information of EUT | Value |
|---|---|
| Kind of Equipment: | Agras T40, Agras T20P |
| Type Designation: | 3WWDZ-40A, 3WWDZ-20A |
| Trademark: | DJI |
| FCC ID: | SS3-T40A2112 |
| IC: | 11805A-T40A2112 |
| Operating Temperature Range: | 0 °C ~ 45 °C |
| Operating Voltage: | Battery operated 52.2V DC.<br>Intelligent Flight Battery in Agras T40:<br>Model: BAX601-30000mAh 52.22V<br>Capacity: 30000 mAh<br><br>Intelligent Flight Battery in Agras T20P:<br>Model: BAX601-13000mAh 52.22V<br>Capacity: 13000 mAh |
| Testing Voltage: | Built-in battery |
| Radiofrequency operating mode | 1) 2.4GHz SDR: operating within 2400-2483.5MHz, supports 1.4MHz/3MHz/10MHz/20MHz/40MHz Bandwidth<br>2) 5.8GHz SDR: operating within 5725-5850MHz, supports 1.4MHz/3MHz/10MHz/20MHz/40MHz Bandwidth<br>3) GPS & BDS & Galileo & Glonass (receiver): operating within 1559-1610MHz<br>4) Phased Array Omnidirectional Radar & Downward Rear Radar: Operating within 24.05-24.25 GHz band. |
| **Technical Specification of 24GHz Radar** | |

| | |
|---|---|
| Operating Frequency band | 24.05-24.25GHz |
| Type of Modulation | FMCW |
| Antenna Type: | Integral Antennas, 13dBi Max |

## 3.3 Independent Operation Modes

The basic operation modes are:

A. On, 24GHz Radar wireless transmitting mode

## 3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

## 3.5 Submitted Documents

- Application Form
- Circuit Diagram
- Instruction Manual
- Photo Documents
- Technical Description
- Bill of Material
- Rating Label

# 4. Test Set-up and Operation Modes

## 4.1 Principle of Configuration Selection

**Radio Spectrum:** The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

## 4.2 Test Operation

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013 and ANSI C63.4: 2014.

## 4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

| Description | Manufacturer | Shielded | S/N | Length (cm) |
|---|---|---|---|---|
| Fixture | DJI | N/A | N/A | N/A |
| Type-C Cable | DJI | YES | N/A | 123 |
| DC Cable | DJI | N/A | N/A | 195 |

## 4.4 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF). No additional measures were employed to achieve compliance.

## 4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

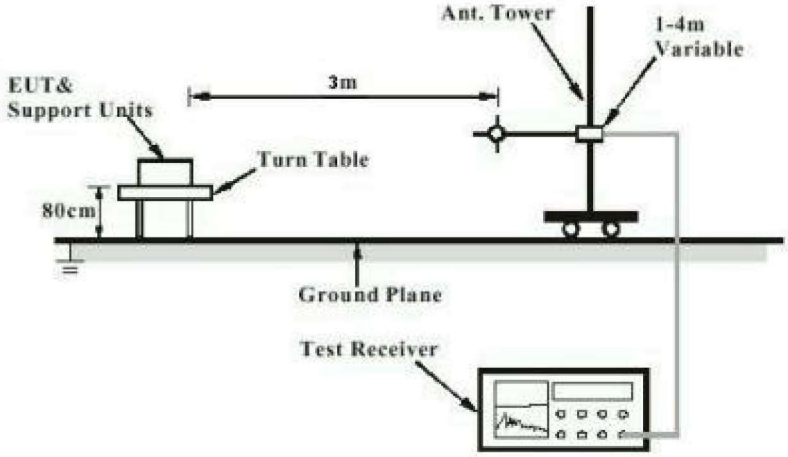



Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

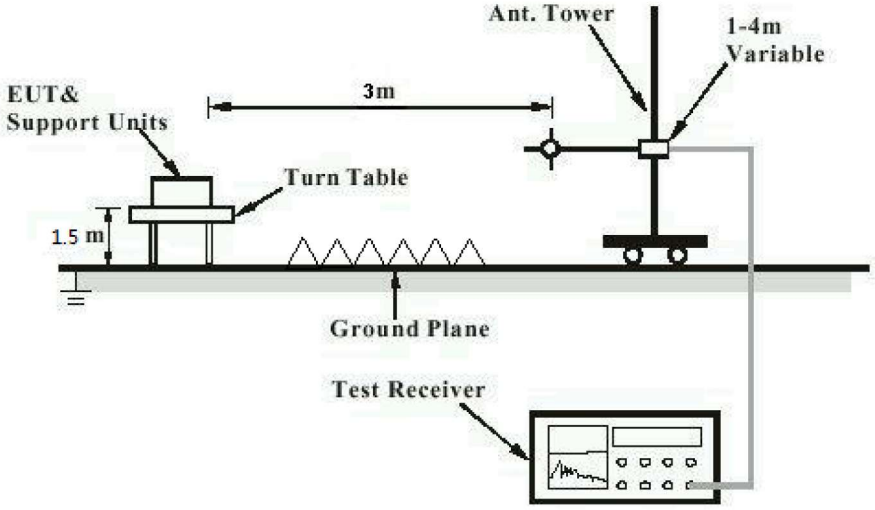



Diagram of Measurement Configuration for Mains Conduction Measurement

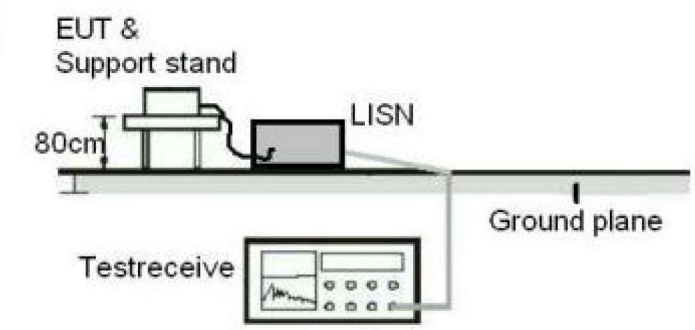
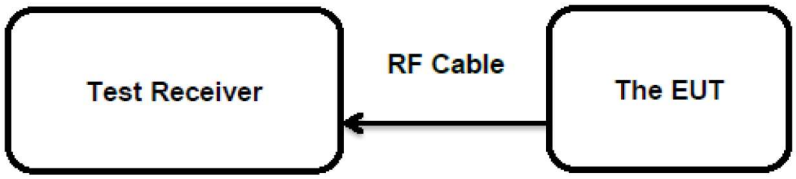


Diagram of Measurement Configuration for Conducted Transmitter Measurement



# 5. Test Results

## 5.1 Radio Test Requirement & Test Suites

### 5.1.1 Antenna Requirement

**RESULT:** **Pass**

**Test Specification**
Test standard : FCC Part 15.203 & RSS-GEN 6.8

According to the manufacturer declaration, the EUT has integral antennas with 13dBi Max. There is no possibility of replacement with a non-approved antenna by the end-user. Therefore, the EUT is considered to comply with this provision.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

### 5.1.2 20 dB Bandwidth and 99% Occupied Bandwidth

**RESULT:** **Pass**

**Test Specification**

| | | |
|---|---|---|
| Test standard | : | FCC Part 15.249 (a)<br>RSS-Gen clause 6.7 |
| Basic standard | : | ANSI C63.10:2013 |
| Limits | : | Within the authorized band 24-24.25 GHz |
| Kind of test site | : | Shielded Room |

**Test Setup**

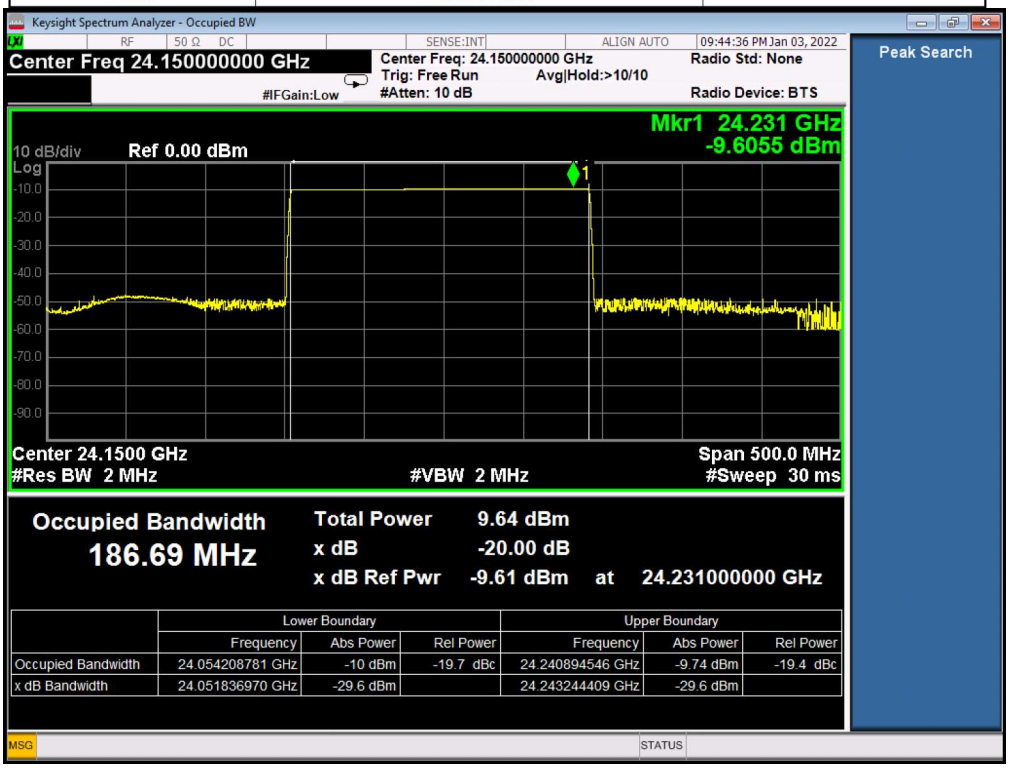
| | | |
|---|---|---|
| Date of testing | : | 2022-01-03 |
| Input voltage | : | Full Battery |
| Operation mode | : | A |
| Test channel | : | Middle |

**Test results listed as below:**

**TF&RV Radar:**

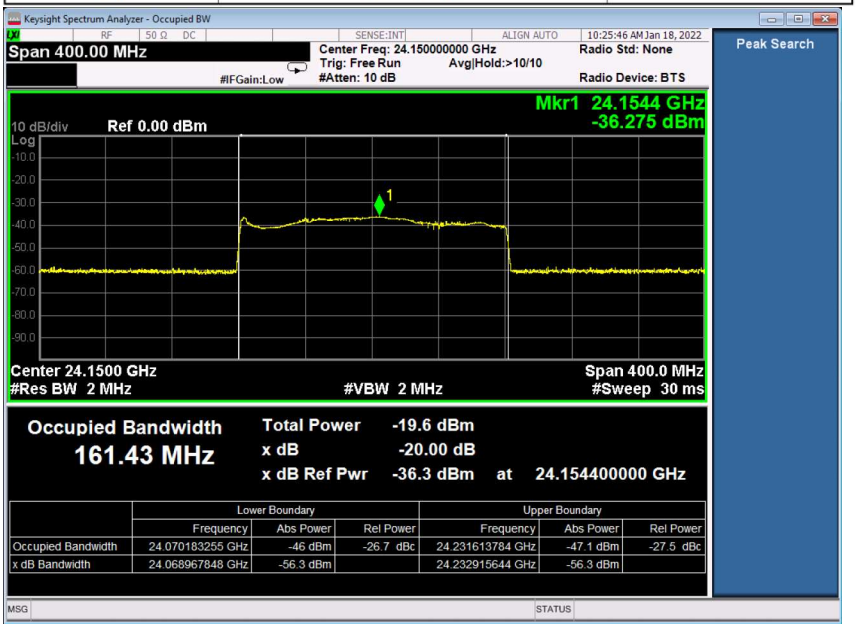
**<8T4R>**

| Frequency (GHz) | 20 dB Bandwidth | | 99% Occupied Bandwidth |
|---|---|---|---|
| | $F_L$ (GHz) | $F_H$ (GHz) | (MHz) |
| 24.05-24.25 | 24.052 | 24.243 | 186.69 |
| Limit | 24.05-24.25 | | - |



<1T1R>

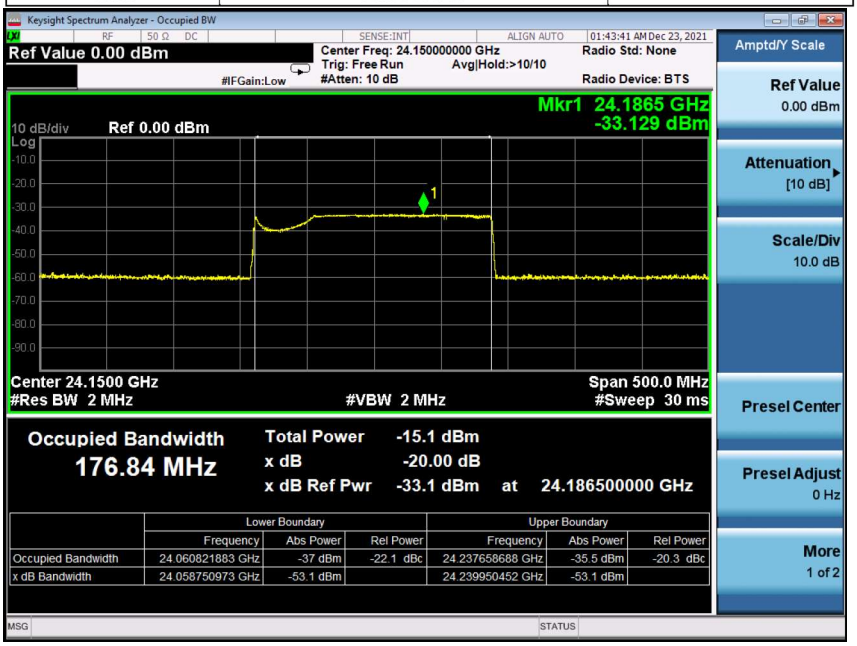
| Frequency (GHz) | 20 dB Bandwidth | | 99% Occupied Bandwidth |
|---|---|---|---|
| | $F_L$ (GHz) | $F_H$ (GHz) | (MHz) |
| 24.05-24.25 | 24.069 | 24.233 | 161.43 |
| Limit | 24.05-24.25 | | - |




**AESA Digital Radar:**

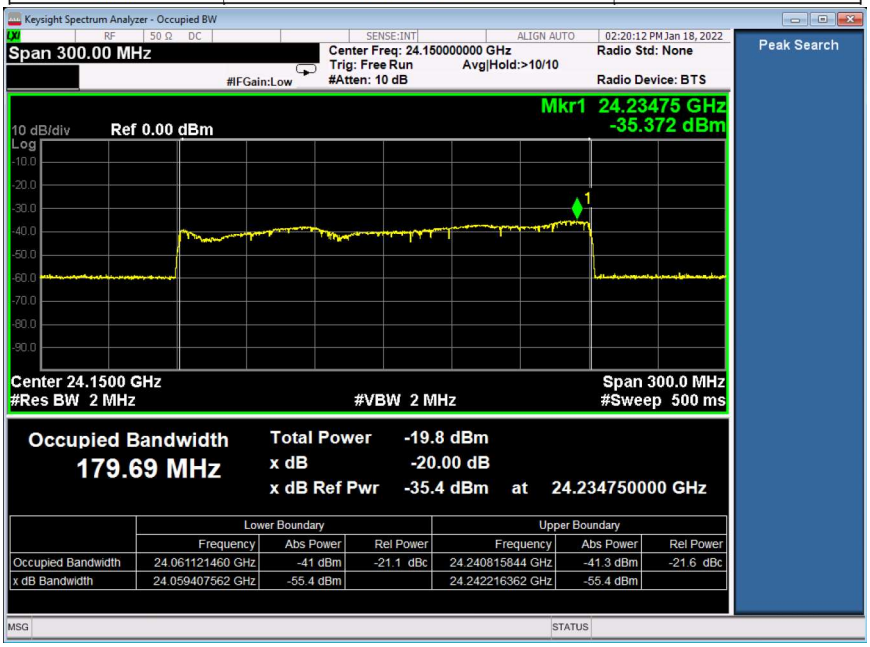
<8T4R>

| Frequency (GHz) | 20 dB Bandwidth | | 99% Occupied Bandwidth |
|---|---|---|---|
| | $F_L$ (GHz) | $F_H$ (GHz) | (MHz) |
| 24.05-24.25 | 24.059 | 24.240 | 176.84 |
| Limit | 24.05-24.25 | | - |



<1T1R>

| Frequency (GHz) | 20 dB Bandwidth | | 99% Occupied Bandwidth |
|---|---|---|---|
| | $F_L$ (GHz) | $F_H$ (GHz) | (MHz) |
| 24.05-24.25 | 24.059 | 24.242 | 179.69 |
| Limit | 24.05-24.25 | | - |



### 5.1.3 Field Strength of Fundamental Emissions and band edge

**RESULT:** **Pass**

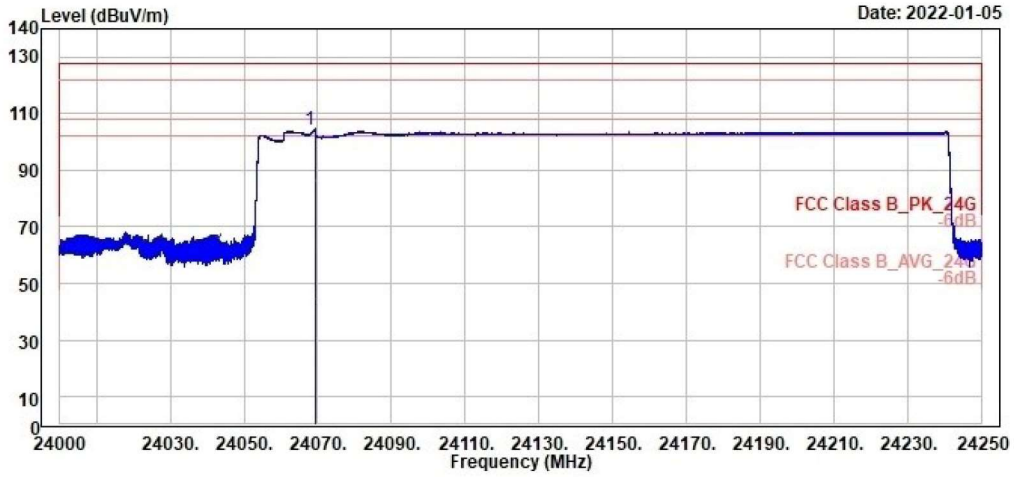
| **Test Specification** | |
|---|---|
| Test standard | FCC Part 15.249<br>RSS-210 clause B.10 |
| Basic standard | ANSI C63.10:2013 |
| Limits | FCC Part 15.249 (a) & RSS-210 clause B.10, Table B2 |
| Kind of test site | 3m Semi-Anechoic Chamber (below 1GHz)<br>3m Anechoic Chamber (above 1GHz) |

| **Test Setup** | |
|---|---|
| Date of testing | 2022-01-05 |
| Input voltage | Full Battery |
| Operation mode | A |
| Test channel | Middle |

All antennas for both the two radars tested, only the worst-case reported.
As for co-location mode, it verified that no emissions exceed the highest limit permitted for any one individual transmitter as required by Section 2.947(f), thus not reported.

**PK_H**

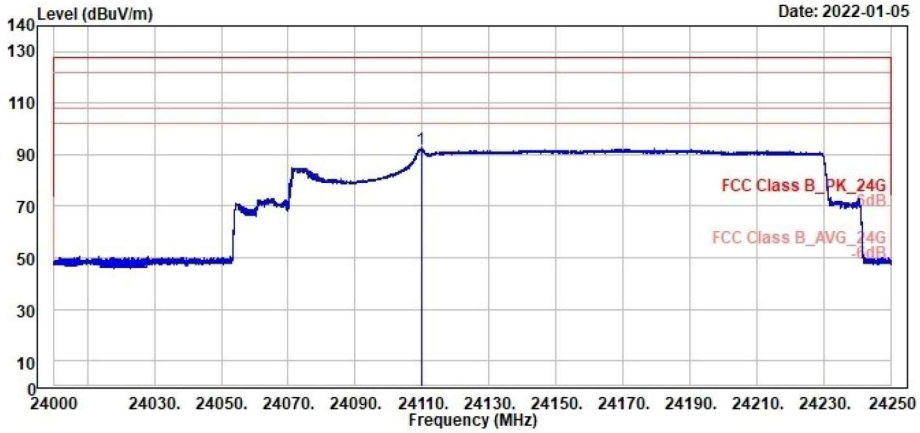
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, , Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322




| | Freq | Level | Read Level | Factor | Limit Line | Over Limit | APos | TPos | Remark | Pol/Phase | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV | dB/m | dBuV/m | dB | cm | deg | | | |
| 1 | 24069.84 | 104.64 | 101.20 | 3.44 | 127.96 | -23.32 | 100 | 96 | Peak | Horizontal | |

**PK_V**

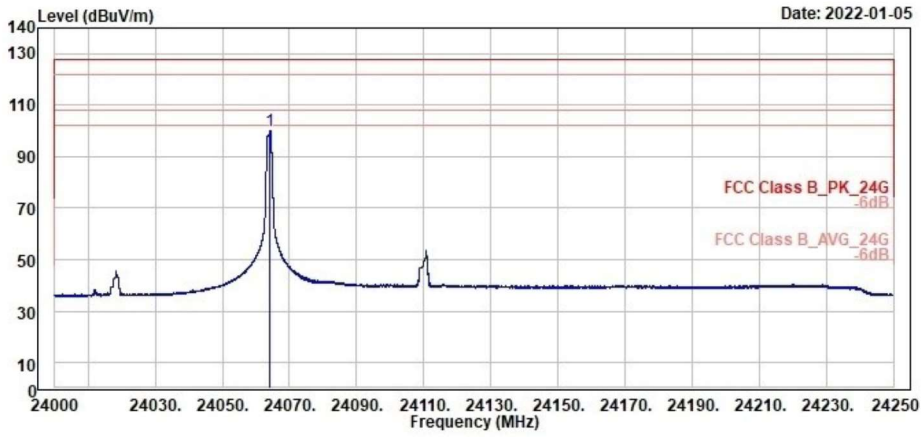
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, , Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322




| | Freq | Level | Read Level | Factor | Limit Line | Over Limit | APos | TPos | Remark | Pol/Phase | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV | dB/m | dBuV/m | dB | cm | deg | | | |
| 1 | 24110.00 | 93.45 | 89.98 | 3.47 | 127.96 | -34.51 | 120 | 26 | Peak | Vertical | |

**AV_H**

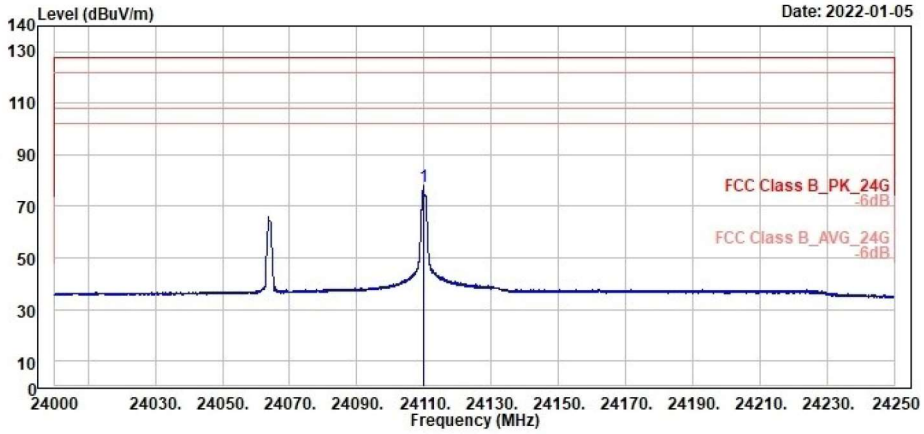
TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322




| | Freq | Level | Read Level | Factor | Limit Line | Over Limit | APos | TPos | Remark | Pol/Phase | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV | dB/m | dBuV/m | dB | cm | deg | | | |
| 1 | 24064.14 | 99.62 | 96.18 | 3.44 | 107.96 | -8.34 | 120 | 12 | Average | Horizontal | |

**AV_V**

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, , Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322




| | Freq | Level | Read Level | Factor | Limit Line | Over Limit | APos | TPos | Remark | Pol/Phase | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV | dB/m | dBuV/m | dB | cm | deg | | | |
| 1 | 24110.00 | 79.02 | 75.55 | 3.47 | 107.96 | -28.94 | 120 | 48 | Average | Vertical | |

### 5.1.4 Radiated Spurious Emission

**RESULT:** **Pass**

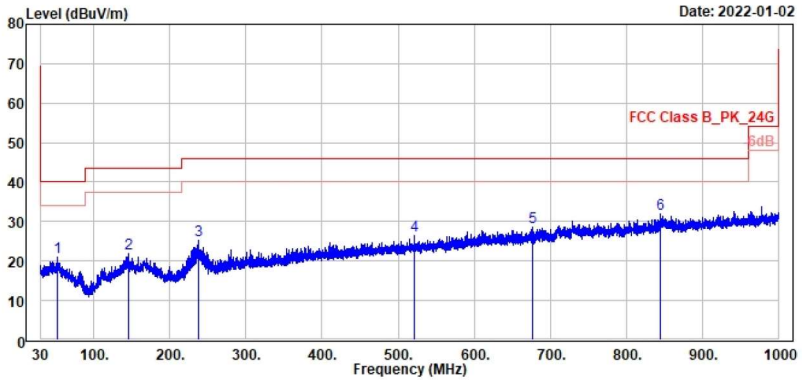
| **Test Specification** | |
|---|---|
| Test standard | FCC Part 15.249 (d) & FCC Part 15.205<br>RSS-210 Annex B.10(b) |
| Basic standard | ANSI C63.10:2013 |
| Limits | FCC Part 15.249 (a) & RSS-210 clause B.10, Table B2 & RSS-Gen Clause 8.9 & 8.10 |
| Kind of test site | 3m Semi-Anechoic Chamber (below 1GHz)<br>3m Anechoic Chamber (above 1GHz) |

| **Test Setup** | |
|---|---|
| Date of testing | 2022-01-02~2022-01-21 |
| Input voltage | Full Battery |
| Operation mode | A |
| Test channel | Middle |

All antennas for both the two radars tested, only the worst-case reported.
As for co-location mode, it verified that there was no additional spurious emissions found, thus not reported.
All emissions below 30MHz are more than 20dB below the limit, thus not reported.

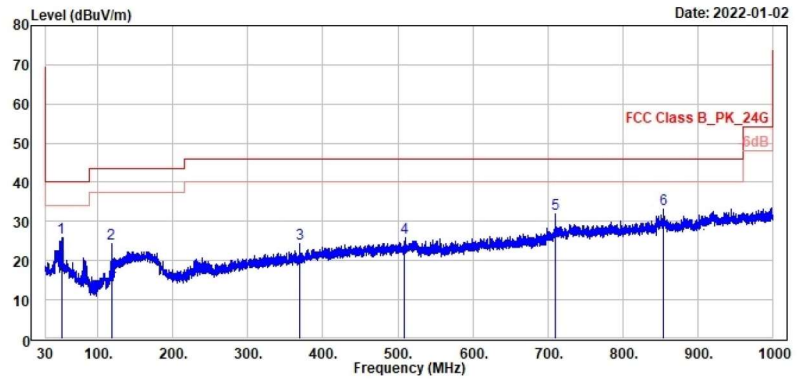
**30M-1000MHz:**

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322




| | Freq | Level | Read Level | Factor | Limit Line | Over Limit | APos | TPos | Remark | Pol/Phase | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV | dB/m | dBuV/m | dB | cm | deg | | | |
| 1 | 52.02 | 20.89 | 28.50 | -7.61 | 40.00 | -19.11 | 300 | 83 | QP | Horizontal | |
| 2 | 144.85 | 21.88 | 29.42 | -7.54 | 43.50 | -21.62 | 300 | 286 | QP | Horizontal | |
| 3 | 237.77 | 25.36 | 33.72 | -8.36 | 46.00 | -20.64 | 100 | 119 | QP | Horizontal | |
| 4 | 521.89 | 26.52 | 29.10 | -2.58 | 46.00 | -19.48 | 300 | 28 | QP | Horizontal | |
| 5 | 676.12 | 28.72 | 28.83 | -0.11 | 46.00 | -17.28 | 400 | 27 | QP | Horizontal | |
| 6 | 845.38 | 31.94 | 29.39 | 2.55 | 46.00 | -13.42 | 200 | 74 | QP | Horizontal | |

TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322




| | Freq | Level | Read Level | Factor | Limit Line | Over Limit | APos | TPos | Remark | Pol/Phase | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV | dB/m | dBuV/m | dB | cm | deg | | | |
| 1 | 51.98 | 26.00 | 33.60 | -7.60 | 40.00 | -14.00 | 100 | 0 | QP | Vertical | |
| 2 | 119.02 | 24.00 | 34.99 | -10.99 | 43.50 | -19.50 | 153 | 160 | QP | Vertical | |
| 3 | 370.24 | 23.37 | 28.84 | -5.47 | 46.00 | -22.63 | 100 | 60 | QP | Vertical | |
| 4 | 506.99 | 25.77 | 29.14 | -3.37 | 46.00 | -20.23 | 100 | 203 | QP | Vertical | |
| 5 | 707.60 | 32.63 | 32.23 | 0.40 | 46.00 | -13.37 | 200 | 160 | QP | Vertical | |
| 6 | 854.30 | 34.37 | 31.82 | 2.55 | 46.00 | -11.63 | 200 | 16 | QP | Vertical | |

**1GHz~40GHz**

**Horizontal**

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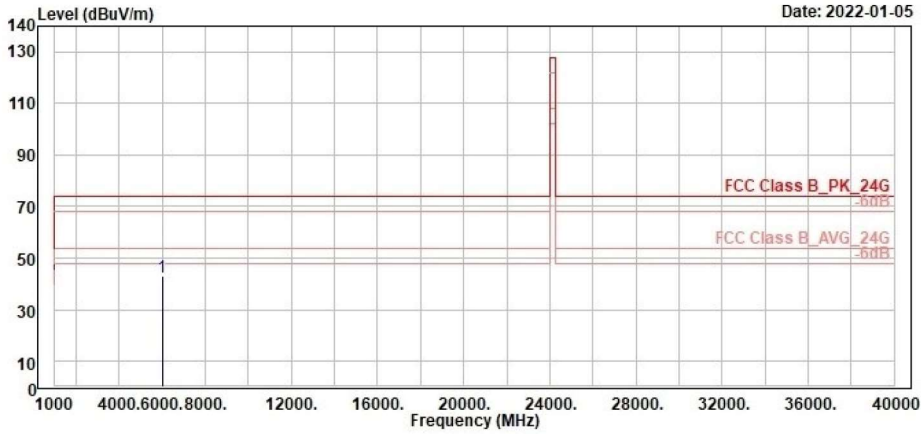


| | Freq | Level | Read Level | Factor | Limit Line | Over Limit | APos | TPos | Remark | Pol/Phase | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV | dB/m | dBuV/m | dB | cm | deg | | | |
| 1 | 6000.00 | 42.64 | 50.87 | -8.23 | 74.00 | -31.36 | 308 | 15 | Peak | Horizontal | |

## Vertical

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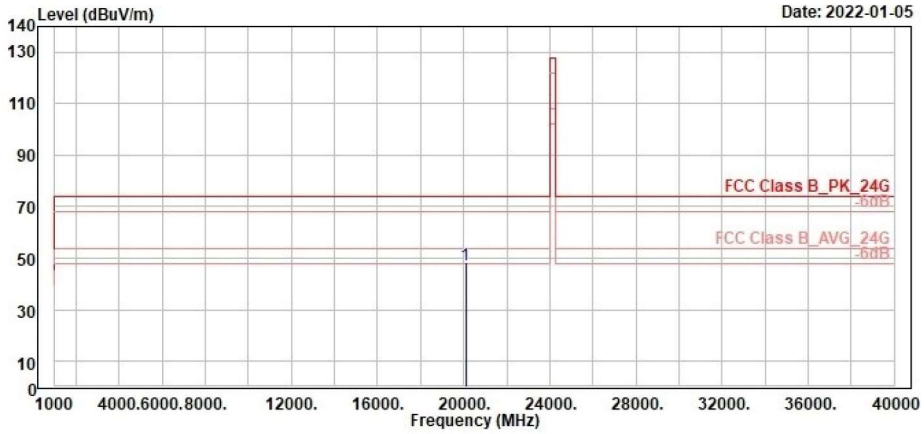


| | Freq | Level | Read Level | Factor | Limit Line | Over Limit | APos | TPos | Remark | Pol/Phase | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV | dB/m | dBuV/m | dB | cm | deg | | | |
| 1 | 20006.80 | 48.00 | 47.70 | 0.30 | 74.00 | -26.00 | 200 | 16 | Peak | Vertical | |

**Above 40GHz:**

Note 1: As for testing emissions above 40GHz, a closer distance than the specified was used. The test result and applicable limits already extrapolated to the specified distance (@ 3m) using an extrapolation factor of 20 dB/decade of distance.
Note 2: Due to the limitation of EUT size, these test for above 40GHz emissions were performed under the radars connecting with the fixture (the main panel circuits of EUT) and other enclosures removed, details as shown in test setup photos, which is identical with the pre-certificated radars (FCC ID: SS3-RD2484B2111, IC: 11805A-RD2484B2111 and FCC ID: SS3-RD2484R2111,IC: 11805A-RD2484R2111).
Note 3: Only the worst-case results reported.

**Horizontal:**

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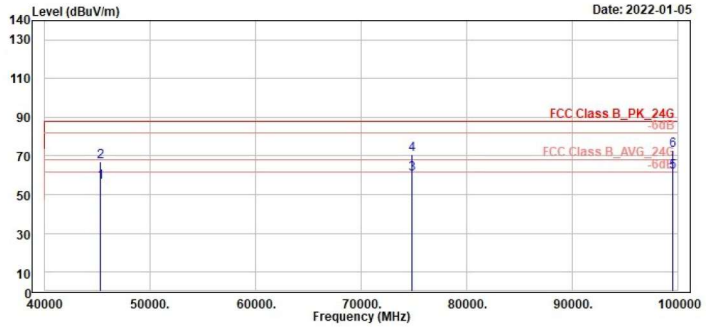


| | Freq | Level | Read Level | Factor | Limit Line | Over Limit | APos | TPos | Remark | Pol/Phase | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV | dB/m | dBuV/m | dB | cm | deg | | | |
| 1 | 45235.00 | 56.29 | 4.73 | 51.56 | 67.96 | -11.67 | 150 | 124 | Average | Horizontal | |
| 2 | 45235.00 | 66.90 | 15.34 | 51.56 | 87.96 | -21.06 | 150 | 124 | Peak | Horizontal | |
| 3 | 74810.00 | 60.46 | 1.65 | 58.81 | 67.96 | -7.50 | 150 | 29 | Average | Horizontal | |
| 4 | 74810.00 | 70.62 | 11.81 | 58.81 | 87.96 | -17.34 | 150 | 29 | Peak | Horizontal | |
| 5 ! | 99552.50 | 61.96 | 1.56 | 60.40 | 67.96 | -6.00 | 150 | 247 | Average | Horizontal | |
| 6 | 99552.50 | 73.01 | 12.61 | 60.40 | 87.96 | -14.95 | 150 | 247 | Peak | Horizontal | |

**Vertical**

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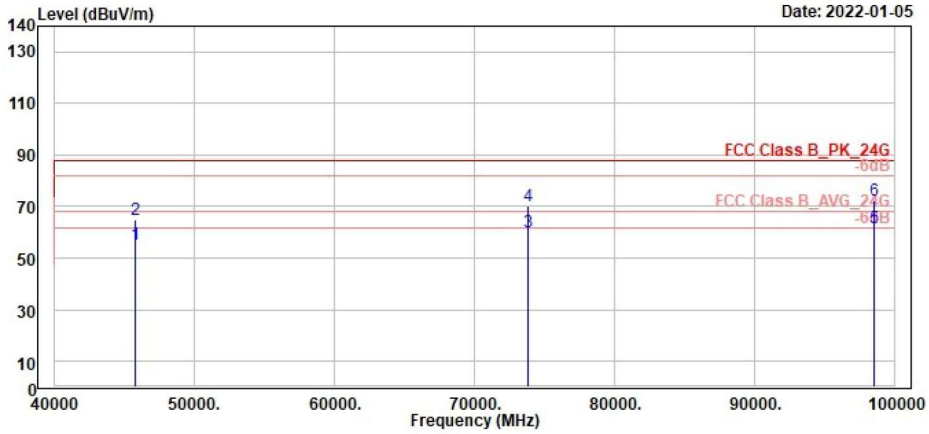


| | Freq | Level | Read Level | Factor | Limit Line | Over Limit | APos | TPos | Remark | Pol/Phase | Note |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV | dB/m | dBuV/m | dB | cm | deg | | | |
| 1 | 45738.00 | 55.27 | 4.82 | 50.45 | 67.96 | -12.69 | 150 | 267 | Average | Vertical | |
| 2 | 45738.00 | 64.83 | 14.38 | 50.45 | 87.96 | -23.13 | 150 | 267 | Peak | Vertical | |
| 3 | 73865.00 | 60.04 | 1.58 | 58.46 | 67.96 | -7.92 | 150 | 295 | Average | Vertical | |
| 4 | 73865.00 | 70.19 | 11.73 | 58.46 | 87.96 | -17.77 | 150 | 295 | Peak | Vertical | |
| 5 | 98580.00 | 61.75 | 1.59 | 60.16 | 67.96 | -6.21 | 150 | 294 | Average | Vertical | |
| 6 | 98580.00 | 72.34 | 12.18 | 60.16 | 87.96 | -15.62 | 150 | 294 | Peak | Vertical | |

## 6. List of Tables