

Testing Laborator 0659



# FCC Radio Test Report FCC ID: 2AMHM-P2-6E-LTE

Report No. : BTL-FCCP-2-2105T078

Equipment : LTE Module
Model Name : EG21-G
Brand Name : BOSCH

Applicant : Robert Bosch Engineering and Business Solutions Private Limited

Address : No.123, Industrial Layout, Hosur Road, Koramangala, Bangalore - 560 095

Radio Function : LTE Band 2

FCC Rule Part(s) : 47 CFR FCC Part 24 Subpart E

47 CFR FCC Part 2

Measurement : ANSI C63.26-2015 Procedure(s) ANSI/TIA-603-E-2016

FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

**Date of Receipt** : 2021/5/19

**Date of Test** : 2021/5/19 ~ 2021/9/9

**Issued Date** : 2021/10/6

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Prepared by

Jerry Chuang, Supervisor

Approved by

Peter Chen, Vice Manager

BTL Inc.

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan

Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.newbtl.com

Project No.: 2105T078 Page 1 of 39 Report Version: R00



#### Declaration

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL**'s reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

**BTL**'s laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

#### Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

Project No.: 2105T078 Page 2 of 39 Report Version: R00





|      | CONT                           | ENTS                          |    |
|------|--------------------------------|-------------------------------|----|
| 1    | SUMMARY OF TEST RESULTS        |                               | 5  |
| 1.1  | TEST FACILITY                  |                               | 6  |
| 1.2  | MEASUREMENT UNCERTAINTY        |                               | 6  |
| 1.3  | TEST ENVIRONMENT CONDITIONS    | )                             | 6  |
| 2    | GENERAL INFORMATION            |                               | 7  |
| 2.1  | DESCRIPTION OF EUT             |                               | 7  |
| 2.2  | TEST MODES                     |                               | 7  |
| 2.3  | BLOCK DIAGRAM SHOWING THE C    | ONFIGURATION OF SYSTEM TESTED | 8  |
| 2.4  | SUPPORT UNITS                  |                               | 9  |
| 3    | AC POWER LINE CONDUCTED EMISS  | IONS TEST                     | 10 |
| 3.1  | LIMIT                          |                               | 10 |
| 3.2  | TEST PROCEDURE                 |                               | 10 |
| 3.3  | DEVIATION FROM TEST STANDARI   | )                             | 10 |
| 3.4  | TEST SETUP                     |                               | 11 |
| 3.5  | TEST RESULT                    |                               | 11 |
| 4    | RF POWER OUTPUT TEST           |                               | 12 |
| 4.1  | LIMIT                          |                               | 12 |
| 4.2  | TEST PROCEDURE                 |                               | 12 |
| 4.3  | DEVIATION FROM TEST STANDARI   | )                             | 12 |
| 4.4  | TEST SETUP                     |                               | 12 |
| 4.5  | TEST RESULT                    |                               | 12 |
| 5    | RADIATED SPURIOUS EMISSIONS ME | ASUREMENT                     | 13 |
| 5.1  | LIMIT                          |                               | 13 |
| 5.2  | TEST PROCEDURE                 |                               | 13 |
| 5.3  | DEVIATION FROM TEST STANDARI   | )                             | 13 |
| 5.4  | TEST SETUP                     |                               | 14 |
| 5.5  | EUT OPERATING CONDITIONS       |                               | 14 |
| 5.6  | TEST RESULT                    |                               | 14 |
| 6    | LIST OF MEASURING EQUIPMENTS   |                               | 15 |
| 7    | EUT TEST PHOTO                 |                               | 16 |
| 8    | EUT PHOTOS                     |                               | 16 |
| APPE | NDIX A AC POWER LINE CONDUCT   | ED EMISSIONS                  | 17 |
| APPE | NDIX B RF POWER OUTPUT TEST    |                               | 22 |
| APPE | NDIX C RADIATED SPURIOUS EMIS  | SIONS                         | 35 |



# **REVISON HISTORY**

| Report No.          | Version | Description      | Issued Date |
|---------------------|---------|------------------|-------------|
| BTL-FCCP-2-2105T078 | R00     | Original Report. | 2021/10/6   |

Project No.: 2105T078 Page 4 of 39 Report Version: R00



# 1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

| FCC Clause No Description |                                   | Test Result | Judgement | Remark |
|---------------------------|-----------------------------------|-------------|-----------|--------|
| 15.207                    | AC Power Line Conducted Emissions | APPENDIX A  | Pass      |        |
| 2.1046<br>24.232(c)       | RF Power Output                   | APPENDIX B  | Pass      |        |
| 2.1053<br>24.238(a)       | Radiated Spurious Emissions       | APPENDIX C  | Pass      |        |

#### NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.
- (3) This test report is issued for the RF module (FCCID: XMR201906EG21G) to be incorporated to the host device (Model number: AD00 A2 0044 6YE, Product name: Phantom EDGE). Since the RF module has been certificated, after evaluation, above test items were criticized and reconfirmed in this report.
- (4) After spot check, this revision does not change original radio parameters.

Project No.: 2105T078 Page 5 of 39 Report Version: R00



#### 1.1 TEST FACILITY

| The test facilities used to collect the test data in this repor | The test facilities | used to | collect the | test data | in this | report |
|---|---------------------|---------|-------------|-----------|---------|--------|
|---|---------------------|---------|-------------|-----------|---------|--------|

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan The test sites and facilities are covered under FCC RN: 355421 and DN: TW1099.

 $\boxtimes$  C05  $\square$  CB08  $\square$  CB11  $\boxtimes$  CB15  $\square$  CB16

⊠ SR05

#### 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $\mathbf{y} \pm \mathbf{U}$ , where expanded uncertainty  $\mathbf{U}$  is based on a standard uncertainty multiplied by a coverage factor of  $\mathbf{k} = \mathbf{2}$ , providing a level of confidence of approximately 95 %. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2  $\mathbf{U}_{cisor}$  requirement.

A. AC power line conducted emissions test:

| Test Site | Method | Measurement Frequency Range | U (dB) |
|-----------|--------|-----------------------------|--------|
| C05       | CISPR  | 150 kHz ~ 30MHz             | 3.44   |

#### B. Radiated emissions test:

| Test Site | Measurement Frequency Range | U,(dB) |
|-----------|-----------------------------|--------|
|           | 0.03 GHz ~ 0.2 GHz          | 4.17   |
|           | 0.2 GHz ~ 1 GHz             | 4.72   |
| CB15      | 1 GHz ~ 6 GHz               | 5.21   |
| CB15      | 6 GHz ~ 18 GHz              | 5.51   |
|           | 18 GHz ~ 26 GHz             | 3.69   |
|           | 26 GHz ~ 40 GHz             | 4.23   |

#### NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

#### 1.3 TEST ENVIRONMENT CONDITIONS

| Test Item                         | Environment Condition | Test Voltage | Tested by   |
|-----------------------------------|-----------------------|--------------|-------------|
| AC Power Line Conducted Emissions | 23 °C, 59 %           | AC 120V      | William Wei |
| Output Power & ERP                | 24.6 °C, 67 %         | AC 120V      | Paul Shen   |
| Radiated Spurious Emissions       | Refer to data         | AC 120V      | Jay Kao     |



# **2 GENERAL INFORMATION**

#### 2.1 DESCRIPTION OF EUT

| Equipment  | LTE Module                    |                    |  |  |  |
|--|-------------------------------|--------------------|--|--|--|
| Model Name   | EG21-G                        |                    |  |  |  |
| Brand Name   | BOSCH                         |                    |  |  |  |
| Model Difference   | N/A                           |                    |  |  |  |
| Power Supply Rating                                      | DC 3.3V from host e           | quipment           |  |  |  |
| Host device information                                  |                               | •                  |  |  |  |
| Equipment  | Phantom EDGE                  |                    |  |  |  |
| Model Name   | AD00 A2 0044 6YE              |                    |  |  |  |
| Brand Name   | BOSCH                         |                    |  |  |  |
| Power Source   | AC Mains.                     |                    |  |  |  |
| Power Rating   | I/P: 90 – 280 V AC ,          | <10W , 50/60Hz     |  |  |  |
| Products Covered   | N/A                           |                    |  |  |  |
| WWAN Module  | Quectel / EG21-G              |                    |  |  |  |
| Operation Frequency Band UL Frequency (MHz) DL Frequence |                               | DL Frequency (MHz) |  |  |  |
| Operation requestey                                      | LTE 2 1850 ~ 1910 1930 ~ 1990 |                    |  |  |  |
| Test Model   | AD00 A2 0044 6YE              |                    |  |  |  |
| Sample Status  | Engineering Sample            |                    |  |  |  |
| EUT Modification(s)                                      | N/A                           |                    |  |  |  |

#### NOTE

(1) For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

# (2) Table for Filed Antenna:

| Antenna | Manufacture | Model No. | Type   | Connector | Gain (dBi) | Note |
|---------|-------------|-----------|--------|-----------|------------|------|
| 1       | QUECTEL     | YE0003AA  | Dipole | SMA Male  | 3.3        |      |

#### 2.2 TEST MODES

| Test Items                        | Band       | Test Mode                      | Note |
|-----------------------------------|------------|--------------------------------|------|
| AC Power Line Conducted Emissions | -          | Normal/Idle                    | -    |
| Output Power & ERP                | LTE Band 2 | Refer to data                  | -    |
| Radiated Spurious Emissions       | LTE Band 2 | TX Mode (CH 18700/18900/19100) | -    |

#### NOTE:

- (1) The Radiated emissions test was verified based on the worst conducted power and Bandwidth test results reported in the original report.
- (2) All X, Y and Z axes are evaluated, but only the worst case (Y axis) is recorded.

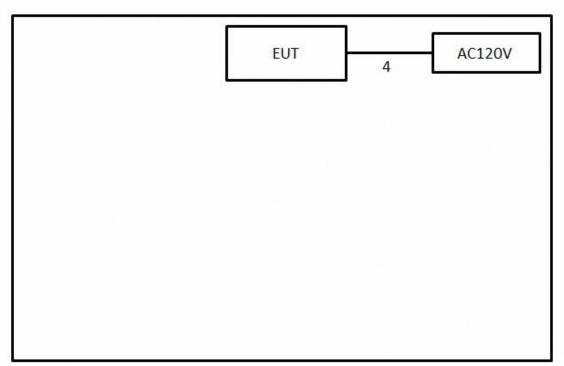
Project No.: 2105T078 Page 7 of 39 Report Version: R00



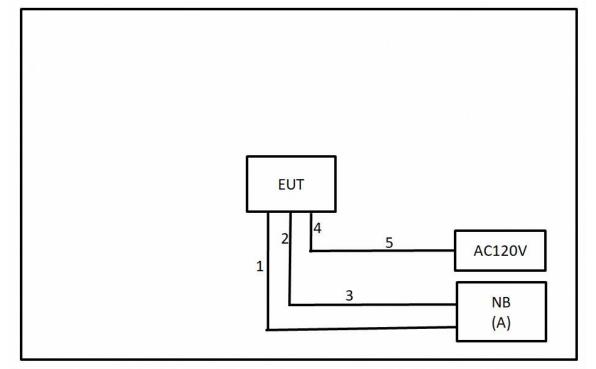
# 2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.

AC Power Line Conducted Emissions Test



# Radiated Emissions Test





# 2.4 SUPPORT UNITS

| Item | Equipment | Brand | Model No. | Series No. | Remarks                |
|------|-----------|-------|-----------|------------|------------------------|
| Α    | NB        | HP    | TPN-I119  | N/A        | Furnished by test lab. |

| Item | Shielded | Ferrite Core | Length | Cable Type     | Remarks                    |
|------|----------|--------------|--------|----------------|----------------------------|
| 1    | N/A      | N/A          | 3m     | RJ45 Cable     | Supplied by test requester |
| 2    | N/A      | N/A          | 1.5m   | RS232 to RS232 | Supplied by test requester |
| 3    | N/A      | N/A          | 1.1m   | RS232 to USB   | Supplied by test requester |
| 4    | N/A      | N/A          | 1m     | Power Cord     | Supplied by test requester |
| 5    | N/A      | N/A          | 1.7m   | Power Cord     | Furnished by test lab.     |

Project No.: 2105T078 Page 9 of 39 Report Version: R00



#### 3 AC POWER LINE CONDUCTED EMISSIONS TEST

#### 3.1 LIMIT

| Frequency  | Limit (dBµV) |           |  |
|------------|--------------|-----------|--|
| (MHz)      | Quasi-peak   | Average   |  |
| 0.15 - 0.5 | 66 - 56 *    | 56 - 46 * |  |
| 0.50 - 5.0 | 56           | 46        |  |
| 5.0 - 30.0 | 60           | 50        |  |

#### NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

| Reading Level |   | Correct Factor |   | Measurement Value |
|---------------|---|----------------|---|-------------------|
| 38.22         | + | 3.45           | = | 41.67             |

| Measurement Value |   | Limit Value |   | Margin Level |
|-------------------|---|-------------|---|--------------|
| 41.67             | - | 60          | = | -18.33       |

The following table is the setting of the receiver.

| Receiver Parameter | Setting  |
|--------------------|----------|
| Attenuation        | 10 dB    |
| Start Frequency    | 0.15 MHz |
| Stop Frequency     | 30 MHz   |
| IF Bandwidth       | 9 KHz    |

#### 3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
  - All other support equipment were powered from an additional LISN(s).
  - The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.
  - The end of the cable will be terminated, using the correct terminating impedance.
  - The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. For the actual test configuration, please refer to the related Item EUT TEST PHOTO.

#### NOTE:

- (1) In the results, each reading is marked as Peak, QP or AVG per the detector used. BW=9 kHz (6 dB Bandwidth)
- (2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

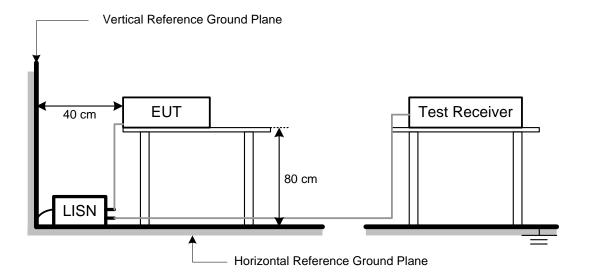
#### 3.3 DEVIATION FROM TEST STANDARD

No deviation.

Project No.: 2105T078 Page 10 of 39 Report Version: R00



# 3.4 TEST SETUP



# 3.5 TEST RESULT

Please refer to the APPENDIX A.



### 4 RF POWER OUTPUT TEST

#### 4.1 LIMIT

Mobile / Portable station are limited to 2 watts e.i.r.p.

#### 4.2 TEST PROCEDURE

The testing follows FCC KDB 971168 v03r01 Section 5.

#### **EIRP / ERP Power Measurement:**

EIRP = Conducted Power + Antenna gain.

ERP power = EIPR power - 2.15 dBi.

#### **Conducted Power Measurement:**

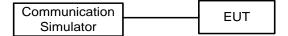
The EUT was set up for the maximum power with LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

#### 4.3 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.4 TEST SETUP

#### **Conducted Power Measurement:**



#### 4.5 TEST RESULT

Please refer to the APPENDIX B.



#### 5 RADIATED SPURIOUS EMISSIONS MEASUREMENT

#### 5.1 LIMIT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13dBm.

#### NOTE:

(1) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

| Reading Level |   | Correct Factor |    | Measurement Value |
|---------------|---|----------------|----|-------------------|
| -50.43        | + | -2.11          | II | -52.54            |

| Measurement Value |   | Limit Value |   | Margin Level |
|-------------------|---|-------------|---|--------------|
| -52.54            | - | -13         | = | -39.54       |

#### 5.2 TEST PROCEDURE

The testing follows FCC KDB 971168 v03r01 Section 6.2.

- a. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G
- c. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn.
- d. ERP power can be calculated form EIRP power by subtracting the gain of dipole, ERP power = EIRP power 2.15 dBi.
- e. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is1 MHz / 3 MHz.

### 5.3 DEVIATION FROM TEST STANDARD

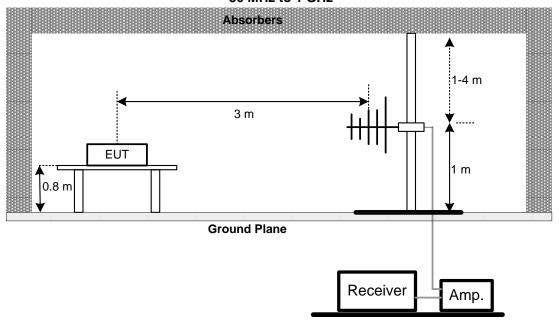
No deviation.

Project No.: 2105T078 Page 13 of 39 Report Version: R00

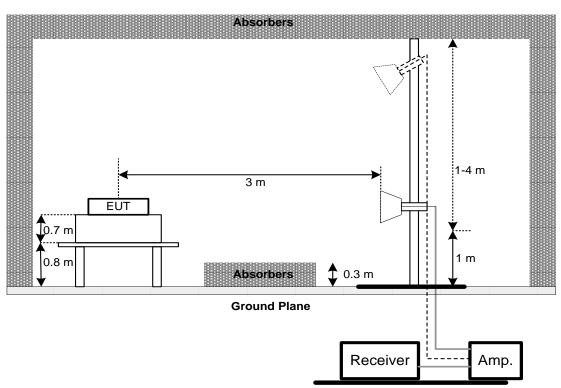


#### 5.4 TEST SETUP

#### 30 MHz to 1 GHz



#### **Above 1 GHz**



# 5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

#### 5.6 TEST RESULT

Please refer to the APPENDIX C.



# **6 LIST OF MEASURING EQUIPMENTS**

|      | AC Power Line Conducted Emissions |              |                                   |            |                    |                     |
|------|-----------------------------------|--------------|-----------------------------------|------------|--------------------|---------------------|
| Item | Kind of<br>Equipment              | Manufacturer | Type No.                          | Serial No. | Calibrated<br>Date | Calibrated<br>Until |
| 1    | TWO-LINE<br>V-NETWORK             | R&S          | ENV216                            | 101339     | 2021/3/10          | 2022/3/9            |
| 2    | Test Cable                        | EMCI         | EMCRG58-BM-B<br>M-9000            | 210501     | 2021/5/3           | 2022/5/2            |
| 3    | EMI Test<br>Receiver              | R&S          | ESR 7                             | 101433     | 2020/12/11         | 2021/12/10          |
| 4    | Measurement<br>Software           | EZ           | EZ_EMC<br>(Version<br>NB-03A1-01) | N/A        | N/A                | N/A                 |

|      |                                    |              | RF Power Outp | ut         |                    |                     |
|------|------------------------------------|--------------|---------------|------------|--------------------|---------------------|
| Item | Kind of<br>Equipment               | Manufacturer | Type No.      | Serial No. | Calibrated<br>Date | Calibrated<br>Until |
| 1    | Radio<br>Communication<br>Analyzer | Anritsu      | MT8820C       | 6201381608 | 2021/1/7           | 2022/1/6            |

|      | Redicted Emissions                        |                    |                                   |               |                    |                     |  |
|------|---|--------------------|-----------------------------------|---------------|--------------------|---------------------|--|
|      |   | I                  | Radiated Emission                 | ons           |                    |                     |  |
| Item | Kind of<br>Equipment                      | Manufacturer       | Type No.                          | Serial No.    | Calibrated<br>Date | Calibrated<br>Until |  |
| 1    | Preamplifier                              | EMCI               | EMC02325B                         | 980217        | 2021/4/8           | 2022/4/7            |  |
| 2    | Preamplifier                              | EMCI               | EMC012645B                        | 980267        | 2021/4/8           | 2022/4/7            |  |
| 3    | Test Cable                                | EMCI               | EMC-SM-SM-100<br>0                | 180809        | 2021/4/8           | 2022/4/7            |  |
| 4    | Test Cable                                | EMCI               | EMC104-SM-SM-<br>3000             | 151205        | 2021/4/8           | 2022/4/7            |  |
| 5    | Test Cable                                | EMCI               | EMC-SM-SM-700<br>0                | 180408        | 2021/4/8           | 2022/4/7            |  |
| 6    | MXE EMI<br>Receiver                       | Agilent            | N9038A                            | MY554200087   | 2021/5/27          | 2022/5/26           |  |
| 7    | Signal Analyzer                           | Agilent            | N9010A                            | MY52220990    | 2021/8/18          | 2022/8/17           |  |
| 8    | Horn Ant                                  | SCHWARZBECK        | BBHA 9120D                        | 9120D-1342    | 2021/6/2           | 2022/6/1            |  |
| 9    | Trilog-Broadband<br>Antenna               | Schwarzbeck        | VULB 9168                         | VULB 9168-352 | 2021/8/11          | 2022/8/10           |  |
| 10   | 5dB Attenuator                            | EMCI               | EMCI-N-6-05                       | AT-N0625      | 2021/8/11          | 2022/8/10           |  |
| 11   | Measurement<br>Software                   | EZ                 | EZ_EMC<br>(Version<br>NB-03A1-01) | N/A           | N/A                | N/A                 |  |
| 12   | Wideband Radio<br>Communication<br>tester | Rohde &<br>Schwarz | CMW500                            | 154121        | 2020/11/15         | 2021/11/14          |  |

Remark: "N/A" denotes no model name, no serial no. or no calibration specified. All calibration period of equipment list is one year.

Project No.: 2105T078 Page 15 of 39 Report Version: R00



| 7 EUT TEST PHOTO  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| Please refer to document Appendix No.: TP-2105T078-FCCP-1 (APPENDIX-TEST PHOTOS). |  |  |  |  |  |  |  |
| B EUT PHOTOS  |  |  |  |  |  |  |  |
| Please refer to document Appendix No.: EP-2105T078-1 (APPENDIX-EUT PHOTOS).       |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |

Project No.: 2105T078 Page 16 of 39 Report Version: R00

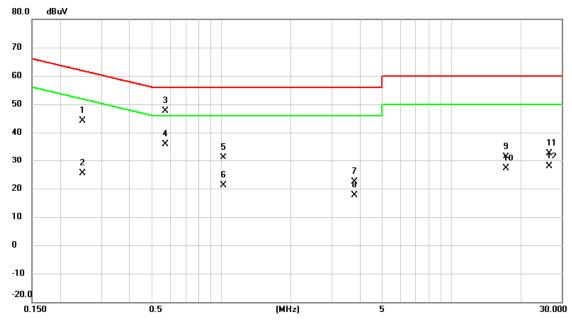




| APPENDIX A | AC POWER LINE CONDUCTED EMISSIONS |
|------------|-----------------------------------|
|            |                                   |
|            |                                   |
|            |                                   |
|            |                                   |
|            |                                   |
|            |                                   |
|            |                                   |
|            |                                   |
|            |                                   |
|            |                                   |
|            |                                   |
|            |                                   |

Project No.: 2105T078 Page 17 of 39 Report Version: R00

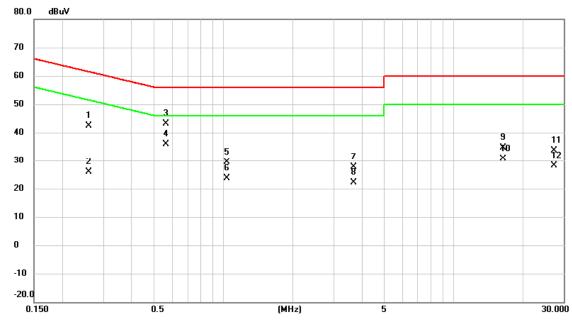
| Test Mode      | Normal | Tested Date | 2021/6/9 |
|----------------|--------|-------------|----------|
| Test Frequency | -      | Phase       | Line     |



| No. N | Иk. | Freq.   | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit | Over   |          |         |
|-------|-----|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
|       |     | MHz     | dBu∨             | dB                | dBu∨             | dBu∨  | dB     | Detector | Comment |
| 1     |     | 0.2490  | 34.36            | 9.72              | 44.08            | 61.79 | -17.71 | QP       |         |
| 2     |     | 0.2490  | 15.67            | 9.72              | 25.39            | 51.79 | -26.40 | AVG      |         |
| 3 *   | *   | 0.5730  | 37.89            | 9.73              | 47.62            | 56.00 | -8.38  | QP       |         |
| 4     |     | 0.5730  | 26.27            | 9.73              | 36.00            | 46.00 | -10.00 | AVG      |         |
| 5     |     | 1.0230  | 21.39            | 9.74              | 31.13            | 56.00 | -24.87 | QP       |         |
| 6     |     | 1.0230  | 11.36            | 9.74              | 21.10            | 46.00 | -24.90 | AVG      |         |
| 7     |     | 3.7635  | 12.41            | 9.87              | 22.28            | 56.00 | -33.72 | QР       |         |
| 8     |     | 3.7635  | 7.87             | 9.87              | 17.74            | 46.00 | -28.26 | AVG      |         |
| 9     | 1   | 17.2410 | 21.14            | 10.20             | 31.34            | 60.00 | -28.66 | QP       |         |
| 10    | 1   | 17.2410 | 16.94            | 10.20             | 27.14            | 50.00 | -22.86 | AVG      |         |
| 11    | 2   | 26.4885 | 22.45            | 10.24             | 32.69            | 60.00 | -27.31 | QP       |         |
| 12    | 2   | 26.4885 | 17.61            | 10.24             | 27.85            | 50.00 | -22.15 | AVG      |         |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

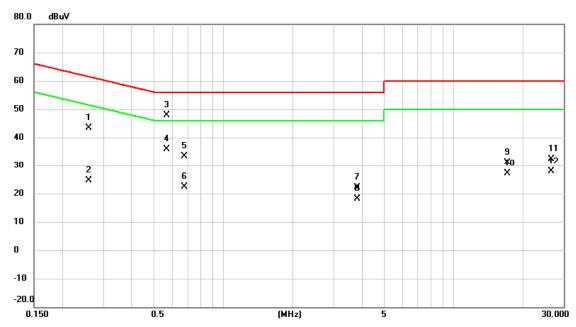
| Ш |                |        |             |          |
|---|----------------|--------|-------------|----------|
|   | Test Mode      | Normal | Tested Date | 2021/6/9 |
|   | Test Frequency | -      | Phase       | Neutral  |



| No. | Mk. | Freq.   | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit | Over   |          |         |
|-----|-----|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
|     |     | MHz     | dBu∨             | dB                | dBu∨             | dBu∨  | dB     | Detector | Comment |
| 1   |     | 0.2602  | 32.69            | 9.73              | 42.42            | 61.43 | -19.01 | QP       |         |
| 2   |     | 0.2602  | 16.17            | 9.73              | 25.90            | 51.43 | -25.53 | AVG      |         |
| 3   |     | 0.5640  | 33.39            | 9.74              | 43.13            | 56.00 | -12.87 | QP       |         |
| 4   | *   | 0.5640  | 26.20            | 9.74              | 35.94            | 46.00 | -10.06 | AVG      |         |
| 5   |     | 1.0320  | 19.70            | 9.75              | 29.45            | 56.00 | -26.55 | QP       |         |
| 6   |     | 1.0320  | 13.94            | 9.75              | 23.69            | 46.00 | -22.31 | AVG      |         |
| 7   |     | 3.6690  | 17.85            | 9.88              | 27.73            | 56.00 | -28.27 | QР       |         |
| 8   |     | 3.6690  | 12.36            | 9.88              | 22.24            | 46.00 | -23.76 | AVG      |         |
| 9   |     | 16.3838 | 24.33            | 10.28             | 34.61            | 60.00 | -25.39 | QP       |         |
| 10  |     | 16.3838 | 20.43            | 10.28             | 30.71            | 50.00 | -19.29 | AVG      |         |
| 11  |     | 27.3233 | 23.21            | 10.44             | 33.65            | 60.00 | -26.35 | QP       |         |
| 12  |     | 27.3233 | 17.67            | 10.44             | 28.11            | 50.00 | -21.89 | AVG      |         |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

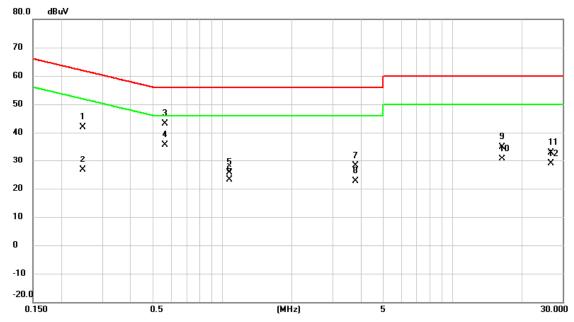
| Ш |                |      |             |          |
|---|----------------|------|-------------|----------|
|   | Test Mode      | Idle | Tested Date | 2021/6/9 |
|   | Test Frequency | -    | Phase       | Line     |



| No. I | Mk. | Freq.   | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit | Over   |          |         |
|-------|-----|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
|       |     | MHz     | dBu∨             | dB                | dBu∨             | dBu∨  | dB     | Detector | Comment |
| 1     |     | 0.2602  | 33.65            | 9.73              | 43.38            | 61.43 | -18.05 | QP       |         |
| 2     |     | 0.2602  | 14.84            | 9.73              | 24.57            | 51.43 | -26.86 | AVG      |         |
| 3     | *   | 0.5662  | 38.09            | 9.73              | 47.82            | 56.00 | -8.18  | QP       |         |
| 4     |     | 0.5662  | 26.05            | 9.73              | 35.78            | 46.00 | -10.22 | AVG      |         |
| 5     |     | 0.6787  | 23.62            | 9.73              | 33.35            | 56.00 | -22.65 | QP       |         |
| 6     |     | 0.6787  | 12.77            | 9.73              | 22.50            | 46.00 | -23.50 | AVG      |         |
| 7     |     | 3.7950  | 12.35            | 9.88              | 22.23            | 56.00 | -33.77 | QР       |         |
| 8     |     | 3.7950  | 8.15             | 9.88              | 18.03            | 46.00 | -27.97 | AVG      |         |
| 9     |     | 17.0700 | 20.94            | 10.20             | 31.14            | 60.00 | -28.86 | QP       |         |
| 10    |     | 17.0700 | 17.00            | 10.20             | 27.20            | 50.00 | -22.80 | AVG      |         |
| 11    |     | 26.5380 | 22.03            | 10.24             | 32.27            | 60.00 | -27.73 | QP       |         |
| 12    |     | 26.5380 | 17.72            | 10.24             | 27.96            | 50.00 | -22.04 | AVG      |         |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

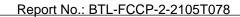
| Test Mode      | Idle | Tested Date | 2021/6/9 |
|----------------|------|-------------|----------|
| Test Frequency | -    | Phase       | Neutral  |



| No. | Mk. | Freq.   | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit | Over   |          |         |
|-----|-----|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
|     |     | MHz     | dBu∨             | dB                | dBu∨             | dBu∨  | dB     | Detector | Comment |
| 1   |     | 0.2468  | 32.22            | 9.72              | 41.94            | 61.86 | -19.92 | QP       |         |
| 2   |     | 0.2468  | 16.89            | 9.72              | 26.61            | 51.86 | -25.25 | AVG      |         |
| 3   |     | 0.5640  | 33.31            | 9.74              | 43.05            | 56.00 | -12.95 | QP       |         |
| 4   | *   | 0.5640  | 25.91            | 9.74              | 35.65            | 46.00 | -10.35 | AVG      |         |
| 5   |     | 1.0725  | 15.80            | 9.75              | 25.55            | 56.00 | -30.45 | QP       |         |
| 6   |     | 1.0725  | 13.34            | 9.75              | 23.09            | 46.00 | -22.91 | AVG      |         |
| 7   |     | 3.7725  | 18.25            | 9.89              | 28.14            | 56.00 | -27.86 | QР       |         |
| 8   |     | 3.7725  | 12.63            | 9.89              | 22.52            | 46.00 | -23.48 | AVG      |         |
| 9   |     | 16.3725 | 24.71            | 10.28             | 34.99            | 60.00 | -25.01 | QP       |         |
| 10  |     | 16.3725 | 20.36            | 10.28             | 30.64            | 50.00 | -19.36 | AVG      |         |
| 11  |     | 26.6415 | 22.52            | 10.43             | 32.95            | 60.00 | -27.05 | QP       |         |
| 12  |     | 26.6415 | 18.56            | 10.43             | 28.99            | 50.00 | -21.01 | AVG      |         |

#### REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value - Limit Value.





# APPENDIX B RF POWER OUTPUT TEST

Project No.: 2105T078 Page 22 of 39 Report Version: R00





Output Power (dBm):

| Band | wer (dBm)<br>BW | Channel | Frequency | Mode  | UL RB      | UL RB  | MPR   | Average power |
|------|-----------------|---------|-----------|-------|------------|--------|-------|---------------|
| Danu | (MHz)           | Charmer | (MHz)     | Mode  | Allocation | Offset | IVIPK | (dBm)         |
|      |                 |         |           |       | 1          | 0      | 0     | 22.84         |
|      |                 |         |           |       | 1          | 2      | 0     | 22.00         |
|      |                 |         |           |       | 1          | 5      | 0     | 21.92         |
|      |                 |         |           | QPSK  | 3          | 0      | 0     | 22.84         |
|      |                 |         |           |       | 3          | 1      | 0     | 22.00         |
|      |                 |         |           |       | 3          | 2      | 0     | 21.92         |
|      |                 | 18607   | 1850.7    |       | 6          | 0      | 1     | 21.02         |
|      |                 | 10007   | 1030.7    |       | 1          | 0      | 1     | 22.06         |
|      |                 |         |           |       | 1          | 2      | 1     | 21.18         |
|      |                 |         |           |       | 1          | 5      | 1     | 21.03         |
|      |                 |         |           | 16QAM | 3          | 0      | 1     | 22.06         |
|      |                 |         |           |       | 3          | 1      | 1     | 21.18         |
|      |                 |         |           |       | 3          | 2      | 1     | 21.03         |
|      |                 |         |           |       | 6          | 0      | 2     | 20.11         |
|      |                 |         |           |       | 1          | 0      | 0     | 23.14         |
|      |                 | 18900   |           |       | 1          | 2      | 0     | 22.09         |
|      |                 |         |           |       | 1          | 5      | 0     | 21.99         |
|      |                 |         |           | QPSK  | 3          | 0      | 0     | 23.14         |
|      |                 |         |           |       | 3          | 1      | 0     | 22.09         |
|      |                 |         |           | 16QAM | 3          | 2      | 0     | 21.99         |
| 2    | 1.4             |         | 1880.0    |       | 6          | 0      | 1     | 22.20         |
| 2    | 1.4             |         |           |       | 1          | 0      | 1     | 22.32         |
|      |                 |         |           |       | 1          | 2      | 1     | 22.28         |
|      |                 |         |           |       | 1          | 5      | 1     | 21.06         |
|      |                 |         |           |       | 3          | 0      | 1     | 22.32         |
|      |                 |         |           |       | 3          | 1      | 1     | 22.28         |
|      |                 |         |           |       | 3          | 2      | 1     | 21.06         |
|      |                 |         |           |       | 6          | 0      | 2     | 20.50         |
|      |                 |         |           |       | 1          | 0      | 0     | 23.02         |
|      |                 |         |           |       | 1          | 2      | 0     | 22.16         |
|      |                 |         |           |       | 1          | 5      | 0     | 22.07         |
|      |                 |         |           | QPSK  | 3          | 0      | 0     | 23.02         |
|      |                 |         |           |       | 3          | 1      | 0     | 22.16         |
|      |                 |         |           |       | 3          | 2      | 0     | 22.07         |
|      |                 | 10100   | 1000.0    |       | 6          | 0      | 1     | 22.08         |
|      |                 | 19192   | 1909.2    |       | 1          | 0      | 1     | 22.20         |
|      |                 |         |           |       | 1          | 2      | 1     | 22.16         |
|      |                 |         |           |       | 1          | 5      | 1     | 21.14         |
|      |                 |         |           | 16QAM | 3          | 0      | 1     | 22.20         |
|      |                 |         |           |       | 3          | 1      | 1     | 22.16         |
|      |                 |         |           |       | 3          | 2      | 1     | 21.14         |
|      |                 |         |           |       | 6          | 0      | 2     | 20.60         |





| Band | BW<br>(MHz) | Channel | Frequency (MHz) | Mode  | UL RB<br>Allocation | UL RB<br>Offset | MPR | Average power (dBm) |
|------|-------------|---------|-----------------|-------|---------------------|-----------------|-----|---------------------|
|      |             |         |                 |       | 1                   | 0               | 0   | 22.89               |
|      |             |         |                 |       | 1                   | 7               | 0   | 22.05               |
|      |             |         |                 |       | 1                   | 14              | 0   | 21.97               |
|      |             |         |                 | QPSK  | 8                   | 0               | 1   | 22.04               |
|      |             |         |                 |       | 8                   | 4               | 1   | 21.13               |
|      |             |         |                 |       | 8                   | 7               | 1   | 21.19               |
|      |             | 18615   | 1851.5          |       | 15                  | 0               | 1   | 21.07               |
|      |             | 10010   | 1001.0          |       | 1                   | 0               | 1   | 22.11               |
|      |             |         |                 |       | 1                   | 7               | 1   | 21.23               |
|      |             |         |                 |       | 1                   | 14              | 1   | 21.08               |
|      |             |         |                 | 16QAM | 8                   | 0               | 2   | 20.94               |
|      |             |         |                 |       | 8                   | 4               | 2   | 20.23               |
|      |             |         |                 |       | 8                   | 7               | 2   | 20.04               |
|      |             |         |                 |       | 15                  | 0               | 2   | 20.16               |
|      |             |         |                 |       | 1                   | 0               | 0   | 23.19               |
|      |             |         |                 |       | 1                   | 7               | 0   | 22.14               |
|      |             |         |                 |       | 1                   | 14              | 0   | 22.04               |
|      |             |         |                 | QPSK  | 8                   | 0               | 1   | 22.30               |
|      |             |         |                 |       | 8                   | 4               | 1   | 21.18               |
|      |             |         |                 |       | 8                   | 7               | 1   | 21.22               |
| 2    | 3           | 18900   | 1880.0          |       | 15                  | 0               | 1   | 22.25               |
| 2    | 3           | 10900   | 1000.0          |       | 1                   | 0               | 1   | 22.37               |
|      |             |         |                 | 16QAM | 1                   | 7               | 1   | 22.33               |
|      |             |         |                 |       | 1                   | 14              | 1   | 21.11               |
|      |             |         |                 |       | 8                   | 0               | 2   | 21.20               |
|      |             |         |                 |       | 8                   | 4               | 2   | 20.28               |
|      |             |         |                 |       | 8                   | 7               | 2   | 20.07               |
|      |             |         |                 |       | 15                  | 0               | 2   | 21.30               |
|      |             |         |                 |       | 1                   | 0               | 0   | 23.07               |
|      |             |         |                 |       | 1                   | 7               | 0   | 22.21               |
|      |             |         |                 |       | 1                   | 14              | 0   | 22.12               |
|      |             |         |                 | QPSK  | 8                   | 0               | 1   | 22.18               |
|      |             |         |                 |       | 8                   | 4               | 1   | 21.25               |
|      |             |         |                 |       | 8                   | 7               | 1   | 21.30               |
|      |             | 19184   | 1908.4          |       | 15                  | 0               | 1   | 22.13               |
|      |             | 13104   | 1300.4          |       | 1                   | 0               | 1   | 22.25               |
|      |             |         |                 |       | 1                   | 7               | 1   | 22.21               |
|      |             |         |                 |       | 1                   | 14              | 1   | 21.19               |
|      |             |         |                 | 16QAM | 8                   | 0               | 2   | 21.08               |
|      |             |         |                 |       | 8                   | 4               | 2   | 20.35               |
|      |             |         |                 |       | 8                   | 7               | 2   | 20.15               |
|      |             |         |                 |       | 15                  | 0               | 2   | 21.10               |





| Band | BW<br>(MHz) | Channel | Frequency (MHz) | Mode     | UL RB<br>Allocation | UL RB<br>Offset | MPR | Average power (dBm) |
|------|-------------|---------|-----------------|----------|---------------------|-----------------|-----|---------------------|
|      |             |         |                 |          | 1                   | 0               | 0   | 22.94               |
|      |             |         |                 |          | 1                   | 12              | 0   | 22.10               |
|      |             |         |                 |          | 1                   | 24              | 0   | 22.02               |
|      |             |         |                 | QPSK     | 12                  | 0               | 1   | 22.09               |
|      |             |         |                 |          | 12                  | 6               | 1   | 21.18               |
|      |             |         |                 |          | 12                  | 11              | 1   | 21.24               |
|      |             | 18625   | 1852.5          |          | 25                  | 0               | 1   | 21.12               |
|      |             | 10023   | 1002.0          |          | 1                   | 0               | 1   | 22.16               |
|      |             |         |                 |          | 1                   | 12              | 1   | 21.28               |
|      |             |         |                 |          | 1                   | 24              | 1   | 21.13               |
|      |             |         |                 | 16QAM    | 12                  | 0               | 2   | 20.99               |
|      |             |         |                 |          | 12                  | 6               | 2   | 20.28               |
|      |             |         |                 |          | 12                  | 11              | 2   | 20.09               |
|      |             |         |                 |          | 25                  | 0               | 2   | 20.21               |
|      |             |         |                 |          | 1                   | 0               | 0   | 23.24               |
|      |             |         |                 |          | 1                   | 12              | 0   | 22.19               |
|      |             |         |                 |          | 1                   | 24              | 0   | 22.09               |
|      |             |         |                 | QPSK     | 12                  | 0               | 1   | 22.35               |
|      |             | 18900   |                 |          | 12                  | 6               | 1   | 21.23               |
|      |             |         | 1880.0          |          | 12                  | 11              | 1   | 21.27               |
|      |             |         |                 |          | 25                  | 0               | 1   | 22.30               |
| 2    | 5           |         |                 |          | 1                   | 0               | 1   | 22.42               |
|      |             |         |                 |          | 1                   | 12              | 1   | 22.38               |
|      |             |         |                 |          | 1                   | 24              | 1   | 21.16               |
|      |             |         |                 | 16QAM    | 12                  | 0               | 2   | 21.25               |
|      |             |         |                 |          | 12                  | 6               | 2   | 20.33               |
|      |             |         |                 |          | 12                  | 11              | 2   | 20.12               |
|      |             |         |                 |          | 25                  | 0               | 2   | 21.39               |
|      |             |         |                 |          | 1                   | 0               | 0   | 23.12               |
|      |             |         |                 |          | 1                   | 12              | 0   | 22.26               |
|      |             |         |                 |          | 1                   | 24              | 0   | 22.17               |
|      |             |         |                 | QPSK     | 12                  | 0               | 1   | 22.23               |
|      |             |         |                 | QI OIN   | 12                  | 6               | 1   | 21.30               |
|      |             |         |                 |          | 12                  | 11              | 1   | 21.35               |
|      |             |         |                 |          | 25                  | 0               | 1   | 22.18               |
|      |             | 19175   | 1907.5          |          | 1                   | 0               | 1   | 22.30               |
|      |             |         |                 |          | 1                   | 12              | 1   | 22.30               |
|      |             |         |                 |          | 1                   |                 | 1   |                     |
|      |             |         |                 | 160 4 14 |                     | 24              |     | 21.24               |
|      |             |         |                 | 16QAM    | 12                  | 0               | 2   | 21.13               |
|      |             |         |                 |          | 12                  | 6               | 2   | 20.40               |
|      |             |         |                 |          | 12                  | 11              | 2   | 20.20               |
|      |             |         |                 |          | 25                  | 0               | 2   | 21.27               |





| Band | BW<br>(MHz) | Channel | Frequency (MHz) | Mode  | UL RB<br>Allocation | UL RB<br>Offset | MPR | Average power (dBm) |
|------|-------------|---------|-----------------|-------|---------------------|-----------------|-----|---------------------|
|      |             |         |                 |       | 1                   | 0               | 0   | 22.99               |
|      |             |         |                 |       | 1                   | 24              | 0   | 22.15               |
|      |             |         |                 |       | 1                   | 49              | 0   | 22.07               |
|      |             |         |                 | QPSK  | 25                  | 0               | 1   | 22.14               |
|      |             |         |                 |       | 25                  | 12              | 1   | 21.23               |
|      |             |         |                 |       | 25                  | 24              | 1   | 21.29               |
|      |             | 18650   | 1855.0          |       | 50                  | 0               | 1   | 21.17               |
|      |             | 10000   | 1000.0          |       | 1                   | 0               | 1   | 22.21               |
|      |             |         |                 |       | 1                   | 24              | 1   | 21.33               |
|      |             |         |                 |       | 1                   | 49              | 1   | 21.18               |
|      |             |         |                 | 16QAM | 25                  | 0               | 2   | 21.04               |
|      |             |         |                 |       | 25                  | 12              | 2   | 20.33               |
|      |             |         |                 |       | 25                  | 24              | 2   | 20.14               |
|      |             |         |                 |       | 50                  | 0               | 2   | 20.26               |
|      |             |         |                 |       | 1                   | 0               | 0   | 23.29               |
|      |             |         |                 |       | 1                   | 24              | 0   | 22.24               |
|      |             |         |                 |       | 1                   | 49              | 0   | 22.14               |
|      |             |         |                 | QPSK  | 25                  | 0               | 1   | 22.40               |
|      |             |         |                 |       | 25                  | 12              | 1   | 21.28               |
|      |             |         |                 |       | 25                  | 24              | 1   | 21.32               |
| 2    | 10          | 18900   | 1880.0          |       | 50                  | 0               | 1   | 22.35               |
| 2    | 10          | 10900   | 1000.0          |       | 1                   | 0               | 1   | 22.47               |
|      |             |         |                 |       | 1                   | 24              | 1   | 22.43               |
|      |             |         |                 | 16QAM | 1                   | 49              | 1   | 21.21               |
|      |             |         |                 |       | 25                  | 0               | 2   | 21.30               |
|      |             |         |                 |       | 25                  | 12              | 2   | 20.38               |
|      |             |         |                 |       | 25                  | 24              | 2   | 20.17               |
|      |             |         |                 |       | 50                  | 0               | 2   | 21.44               |
|      |             |         |                 |       | 1                   | 0               | 0   | 23.17               |
|      |             |         |                 |       | 1                   | 24              | 0   | 22.31               |
|      |             |         |                 |       | 1                   | 49              | 0   | 22.22               |
|      |             |         |                 | QPSK  | 25                  | 0               | 1   | 22.28               |
|      |             |         |                 |       | 25                  | 12              | 1   | 21.35               |
|      |             |         |                 |       | 25                  | 24              | 1   | 21.40               |
|      |             | 10150   | 1005.0          |       | 50                  | 0               | 1   | 22.23               |
|      |             | 19150   | 1905.0          |       | 1                   | 0               | 1   | 22.35               |
|      |             |         |                 |       | 1                   | 24              | 1   | 22.31               |
|      |             |         |                 |       | 1                   | 49              | 1   | 21.29               |
|      |             |         |                 | 16QAM | 25                  | 0               | 2   | 21.18               |
|      |             |         |                 |       | 25                  | 12              | 2   | 20.45               |
|      |             |         |                 |       | 25                  | 24              | 2   | 20.25               |
|      |             |         |                 |       | 50                  | 0               | 2   | 21.32               |





| Band | BW<br>(MHz) | Channel | Frequency<br>(MHz) | Mode  | UL RB<br>Allocation | UL RB<br>Offset | MPR | Average power (dBm) |
|------|-------------|---------|--------------------|-------|---------------------|-----------------|-----|---------------------|
|      |             |         |                    |       | 1                   | 0               | 0   | 23.04               |
|      |             |         |                    |       | 1                   | 37              | 0   | 22.20               |
|      |             |         |                    |       | 1                   | 74              | 0   | 22.12               |
|      |             |         |                    | QPSK  | 36                  | 0               | 1   | 22.19               |
|      |             |         |                    |       | 36                  | 18              | 1   | 21.28               |
|      |             |         |                    |       | 36                  | 35              | 1   | 21.34               |
|      |             | 18675   | 1857.5             |       | 75                  | 0               | 1   | 21.22               |
|      |             | 10070   | 1007.0             |       | 1                   | 0               | 1   | 22.26               |
|      |             |         |                    |       | 1                   | 37              | 1   | 21.38               |
|      |             |         |                    |       | 1                   | 74              | 1   | 21.23               |
|      |             |         |                    | 16QAM | 36                  | 0               | 2   | 21.09               |
|      |             |         |                    |       | 36                  | 18              | 2   | 20.38               |
|      |             |         |                    |       | 36                  | 35              | 2   | 20.19               |
|      |             |         |                    |       | 75                  | 0               | 2   | 20.31               |
|      |             |         |                    |       | 1                   | 0               | 0   | 23.34               |
|      |             |         |                    |       | 1                   | 37              | 0   | 22.29               |
|      |             |         |                    |       | 1                   | 74              | 0   | 22.19               |
|      |             |         |                    | QPSK  | 36                  | 0               | 1   | 22.45               |
|      |             |         |                    |       | 36                  | 18              | 1   | 21.33               |
|      |             |         |                    |       | 36                  | 35              | 1   | 21.37               |
| 2    | 15          | 18900   | 1880.0             |       | 75                  | 0               | 1   | 22.40               |
| _    | 10          | 10000   | 1000.0             |       | 1                   | 0               | 1   | 22.52               |
|      |             |         |                    | 16QAM | 1                   | 37              | 1   | 22.48               |
|      |             |         |                    |       | 1                   | 74              | 1   | 21.26               |
|      |             |         |                    |       | 36                  | 0               | 2   | 21.35               |
|      |             |         |                    |       | 36                  | 18              | 2   | 20.43               |
|      |             |         |                    |       | 36                  | 35              | 2   | 20.22               |
|      |             |         |                    |       | 75                  | 0               | 2   | 21.49               |
|      |             |         |                    |       | 1                   | 0               | 0   | 23.22               |
|      |             |         |                    |       | 1                   | 37              | 0   | 22.36               |
|      |             |         |                    |       | 1                   | 74              | 0   | 22.27               |
|      |             |         |                    | QPSK  | 36                  | 0               | 1   | 22.33               |
|      |             |         |                    |       | 36                  | 18              | 1   | 21.40               |
|      |             |         |                    |       | 36                  | 35              | 1   | 21.45               |
|      |             | 19125   | 1902.5             |       | 75                  | 0               | 1   | 22.28               |
|      |             | 10120   | 1002.0             |       | 1                   | 0               | 1   | 22.40               |
|      |             |         |                    |       | 1                   | 37              | 1   | 22.36               |
|      |             |         |                    |       | 1                   | 74              | 1   | 21.34               |
|      |             |         |                    | 16QAM | 36                  | 0               | 2   | 21.23               |
|      |             |         |                    |       | 36                  | 18              | 2   | 20.50               |
|      |             |         |                    |       | 36                  | 35              | 2   | 20.30               |
|      |             |         |                    |       | 75                  | 0               | 2   | 21.37               |





| Band | BW<br>(MHz) | Channel | Frequency<br>(MHz) | Mode  | UL RB<br>Allocation | UL RB<br>Offset | MPR | Average power (dBm) |
|------|-------------|---------|--------------------|-------|---------------------|-----------------|-----|---------------------|
|      |             |         |                    |       | 1                   | 0               | 0   | 23.09               |
|      |             |         |                    |       | 1                   | 49              | 0   | 22.25               |
|      |             |         |                    |       | 1                   | 99              | 0   | 22.17               |
|      |             |         |                    | QPSK  | 50                  | 0               | 1   | 22.20               |
|      |             |         |                    |       | 50                  | 24              | 1   | 21.29               |
|      |             |         |                    |       | 50                  | 49              | 1   | 21.35               |
|      |             | 18700   | 1860.0             |       | 100                 | 0               | 1   | 21.23               |
|      |             | 10700   | 1000.0             |       | 1                   | 0               | 1   | 22.27               |
|      |             |         |                    |       | 1                   | 49              | 1   | 21.39               |
|      |             |         |                    |       | 1                   | 99              | 1   | 21.24               |
|      |             |         |                    | 16QAM | 50                  | 0               | 2   | 21.10               |
|      |             |         |                    |       | 50                  | 24              | 2   | 20.39               |
|      |             |         |                    |       | 50                  | 49              | 2   | 20.20               |
|      |             |         |                    |       | 100                 | 0               | 2   | 20.32               |
|      |             |         |                    |       | 1                   | 0               | 0   | 23.35               |
|      |             |         |                    |       | 1                   | 49              | 0   | 22.30               |
|      |             |         |                    |       | 1                   | 99              | 0   | 22.20               |
|      |             |         |                    | QPSK  | 50                  | 0               | 1   | 22.46               |
|      |             |         |                    |       | 50                  | 24              | 1   | 21.34               |
|      | 20          |         | 1880.0             |       | 50                  | 49              | 1   | 21.38               |
| 2    |             | 18900   |                    |       | 100                 | 0               | 1   | 22.41               |
| 2    | 20          |         |                    |       | 1                   | 0               | 1   | 22.53               |
|      |             |         |                    |       | 1                   | 49              | 1   | 22.49               |
|      |             |         |                    |       | 1                   | 99              | 1   | 21.27               |
|      |             |         |                    | 16QAM | 50                  | 0               | 2   | 21.36               |
|      |             |         |                    |       | 50                  | 24              | 2   | 20.44               |
|      |             |         |                    |       | 50                  | 49              | 2   | 20.23               |
|      |             |         |                    |       | 100                 | 0               | 2   | 21.50               |
|      |             |         |                    |       | 1                   | 0               | 0   | 23.23               |
|      |             |         |                    |       | 1                   | 49              | 0   | 22.37               |
|      |             |         |                    |       | 1                   | 99              | 0   | 22.28               |
|      |             |         |                    | QPSK  | 50                  | 0               | 1   | 22.34               |
|      |             |         |                    |       | 50                  | 24              | 1   | 21.41               |
|      |             |         |                    |       | 50                  | 49              | 1   | 21.46               |
|      |             | 19100   | 1900.0             |       | 100                 | 0               | 1   | 22.29               |
|      |             | 19100   | 1900.0             |       | 1                   | 0               | 1   | 22.41               |
|      |             |         |                    |       | 1                   | 49              | 1   | 22.37               |
|      |             |         |                    |       | 1                   | 99              | 1   | 21.35               |
|      |             |         |                    | 16QAM | 50                  | 0               | 2   | 21.24               |
|      |             |         |                    |       | 50                  | 24              | 2   | 20.51               |
|      |             |         |                    |       | 50                  | 49              | 2   | 20.31               |
|      |             |         |                    |       | 100                 | 0               | 2   | 21.38               |

# ERP (dBm):

| ERP (C | dBm):      |           |                  | D 10              |                  | <b>T</b> ( <b>D</b> ( |           |          | 1 /0 /0 4  |
|--------|------------|-----------|------------------|-------------------|------------------|-----------------------|-----------|----------|------------|
|        | Test Mo    |           |                  | Band 2            |                  | Test Date             |           |          | 1/8/24     |
|        | Test Char  |           |                  | 18700<br>3°C      |                  | Polarization          | n         |          | rtical     |
| 40.0   | Temp       |           |                  | 3.0               |                  | Hum.                  |           | 5:       | 9%         |
| 40.0   | UDIII      |           |                  |                   |                  |                       |           |          |            |
| 30     |            |           |                  |                   |                  |                       |           |          |            |
|        |            |           |                  |                   |                  |                       |           |          |            |
| 20     |            |           |                  |                   |                  |                       |           |          |            |
| 10     |            |           |                  |                   |                  |                       |           |          |            |
|        |            |           | 1<br>X           |                   |                  |                       |           |          |            |
| 0  -   |            |           |                  |                   |                  |                       |           |          |            |
| 10     |            |           |                  |                   |                  |                       |           |          |            |
| 20     |            |           |                  |                   |                  |                       |           |          |            |
| 30     |            |           |                  |                   |                  |                       |           |          |            |
| 40     |            |           |                  |                   |                  |                       |           |          |            |
| 50     |            |           |                  |                   |                  |                       |           |          |            |
| 60.0   |            |           |                  |                   |                  |                       |           |          |            |
| 1810.  | 000 1824.0 | 0 1838.00 | 1852.00          | 1866.00           | 1880.00 1        | 894.00 190            | 08.00 192 | 2.00     | 1950.00 MH |
| No.    | Mk.        | Freq.     | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit                 | Over      |          |            |
|        |            | MHz       | dBm              | dB                | dBm              | dBm                   | dB        | Detector | Comment    |
| 1      | *          | 1851.062  | -35.87           | 39.67             | 3.80             | 33.01                 | -29.21    | peak     |            |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

|       | Test Mo    |          |                  | Band 2            |                  | Test Date   |        |          | 1/8/24     |
|-------|------------|----------|------------------|-------------------|------------------|-------------|--------|----------|------------|
|       | Test Cha   |          |                  | 18700<br>3°C      |                  | Polarizatio | on     |          | zontal     |
| 10.0  | Tem<br>dBm | ρ        |                  | .3°C              |                  | Hum.        |        | 5:       | 9%         |
| 10.0  | asm        |          |                  |                   |                  |             |        |          |            |
| 30    |            |          |                  |                   |                  |             |        |          |            |
| 20    |            |          |                  |                   |                  |             |        |          |            |
| 10    |            |          |                  |                   |                  |             |        |          |            |
| ı  _  |            |          | 1<br>X           |                   |                  |             |        |          |            |
| 10 _  |            |          |                  |                   |                  |             |        |          |            |
| 20    |            |          |                  |                   |                  |             |        |          |            |
| 30    |            |          |                  |                   |                  |             |        |          |            |
| 40    |            |          |                  |                   |                  |             |        |          |            |
| 50    |            |          |                  |                   |                  |             |        |          |            |
| 60.0  |            |          |                  |                   |                  |             |        |          |            |
| 1810. | .000 1824. |          | 1852.00          | 1866.00           | 1880.00          |             |        | 2.00     | 1950.00 MH |
| No.   | Mk.        | Freq.    | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit       | Over   |          |            |
|       |            | MHz      | dBm              | dB                | dBm              | dBm         | dB     | Detector | Comment    |
| 1     | *          | 1850.959 | -43.73           | 40.58             | -3.15            | 33.01       | -36.16 | peak     |            |

- (1) Measurement Value = Reading Level + Correct Factor.
  (2) Margin Level = Measurement Value Limit Value.

|       | Test Mo    |          |                  | Band 2            |                  | Test Date    |       |          | 1/8/24  |     |
|-------|------------|----------|------------------|-------------------|------------------|--------------|-------|----------|---------|-----|
| •     | Test Char  | nnel     |                  | 18900             |                  | Polarization | n     | Vei      | rtical  |     |
|       | Temp       |          | 2                | 3°C               |                  | Hum.         |       | 5        | 9%      |     |
| 40.0  | dBm        |          |                  |                   |                  |              |       |          |         |     |
|       |            |          |                  |                   |                  |              |       |          |         | ]   |
| 30    |            |          |                  | 1<br>X            |                  |              |       |          |         |     |
| 20    |            |          |                  |                   |                  |              |       |          |         |     |
| 10    |            |          |                  |                   |                  |              |       |          |         |     |
| 0     |            |          |                  |                   |                  |              |       |          |         |     |
| -10   |            |          |                  |                   |                  |              |       |          |         |     |
| -20   |            |          |                  |                   |                  |              |       |          |         |     |
| -30   |            |          |                  |                   |                  |              |       |          |         |     |
| -40   |            |          |                  |                   |                  |              |       |          |         |     |
| -50   |            |          |                  |                   |                  |              |       |          |         |     |
| -60.0 |            |          |                  |                   |                  |              |       |          |         |     |
|       | 000 1824.0 |          | 1852.00          | 1866.00           |                  |              |       | 22.00    | 1950.00 | MHz |
| No.   | Mk.        | Freq.    | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit        | Over  |          |         |     |
|       |            | MHz      | dBm              | dB                | dBm              | dBm          | dB    | Detector | Comme   | ent |
| 1     | *          | 1871.077 | -11.30           | 39.75             | 28.45            | 33.01        | -4.56 | peak     |         |     |

- (1) Measurement Value = Reading Level + Correct Factor.
  (2) Margin Level = Measurement Value Limit Value.

|             | Test Mod    |          |                  | Band 2            |                  | Test Date   |       |          | 1/8/24     |
|-------------|-------------|----------|------------------|-------------------|------------------|-------------|-------|----------|------------|
|             | Test Chan   | nel      |                  | 18900             |                  | Polarizatio | on    |          | zontal     |
|             | Temp        |          | 2                | 3°C               |                  | Hum.        |       | 5        | 9%         |
| 10.0 d      | iBm .       |          |                  |                   |                  |             |       |          |            |
| 30 <u> </u> |             |          |                  | 1                 |                  |             |       |          |            |
| 20          |             |          |                  | ×                 |                  |             |       |          |            |
| 0           |             |          |                  |                   |                  |             |       |          |            |
| ı           |             |          |                  |                   |                  |             |       |          |            |
| 10          |             |          |                  |                   |                  |             |       |          |            |
| 20          |             |          |                  |                   |                  |             |       |          |            |
| 30          |             |          |                  |                   |                  |             |       |          |            |
| 40          |             |          |                  |                   |                  |             |       |          |            |
| 50          |             |          |                  |                   |                  |             |       |          |            |
| 60.0        |             |          |                  |                   |                  |             |       |          |            |
| 1810.0      | 000 1824.00 |          | 1852.00          | 1866.00           | 1880.00          |             |       | 22.00    | 1950.00 MH |
| No.         | Mk.         | Freq.    | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit       | Over  |          |            |
|             |             | MHz      | dBm              | dB                | dBm              | dBm         | dB    | Detector | Comment    |
| 1           | *           | 1871.073 | -14.87           | 40.69             | 25.82            | 33.01       | -7.19 | peak     |            |

- (1) Measurement Value = Reading Level + Correct Factor.
  (2) Margin Level = Measurement Value Limit Value.

|       | Test Mod    |          |                  | Band 2            |                  | Test Date   |        |          | 1/8/24  |     |
|-------|-------------|----------|------------------|-------------------|------------------|-------------|--------|----------|---------|-----|
| ,     | Test Chan   | nel      |                  | 19100             |                  | Polarizatio | n      |          | rtical  |     |
|       | Temp        |          | 2                | 3°C               |                  | Hum.        |        | 5        | 9%      |     |
| 40.0  | dBm         |          |                  |                   |                  |             |        |          |         | ,   |
|       |             |          |                  |                   |                  |             |        |          |         |     |
| 30    |             |          |                  |                   |                  |             |        |          |         | 1   |
| 20    |             |          |                  |                   |                  |             |        |          |         |     |
| 10    |             |          |                  |                   |                  |             |        |          |         | 1   |
| 0     |             |          |                  |                   | *                | :           |        |          |         |     |
| -10   |             |          |                  |                   |                  |             |        |          |         |     |
| -20   |             |          |                  |                   |                  |             |        |          |         |     |
| -30   |             |          |                  |                   |                  |             |        |          |         |     |
| -40   |             |          |                  |                   |                  |             |        |          |         |     |
| -50   |             |          |                  |                   |                  |             |        |          |         |     |
| -60.0 |             |          |                  |                   |                  |             |        |          |         |     |
|       | 000 1824.00 |          | 1852.00          | 1866.00           |                  |             |        | 2.00     | 1950.00 | MHz |
| No.   | Mk.         | Freq.    | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | Limit       | Over   |          |         |     |
|       |             | MHz      | dBm              | dB                | dBm              | dBm         | dB     | Detector | Comme   | ent |
| 1     | *           | 1891.060 | -36.03           | 39.83             | 3.80             | 33.01       | -29.21 | peak     |         |     |

- (1) Measurement Value = Reading Level + Correct Factor.
  (2) Margin Level = Measurement Value Limit Value.

|             | nel                      |                     |   |   |  | n            |              |              |              |
|-------------|--------------------------|---------------------|---|---|--|--------------|--------------|--------------|--------------|
|             |                          | 2                   | 3°C   |   | Hum.   |              | 5            | 9%           |              |
| dBm         |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   | 1  |              |              |              |              |
|             |                          |                     |   |   | ×  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
|             |                          |                     |   |   |  |              |              |              |              |
| NNN 1924 NN | 1939 00                  | 1952 00             | 1966 00   | 1990 00 1   | 294 NN 196   | NO 103       | 22 00        | 1950 00      | <br>         |
|             |                          |                     |   |   |  |              | .2.00        | 1330.00      | мпи          |
| IVIN.       | гтец.                    |                     |   |   | LIIIII   | Ovel         |              |              |              |
|             | MHz                      |                     |   |   | dBm  | dB           | Detector     | Comme        | nt           |
|             |                          | <u> </u>            | 50  | 32  | 30   | <u> </u>     | _ 0.00.01    | 30101        |              |
|             | Test Chan<br>Temp<br>dBm | OOO 1824.00 1838.00 | Test Channel CH Temp 2  dBm  000 1824.00 1838.00 1852.00  Mk. Freq. Reading Level | Test Channel 23°C dBm 23°C dBm 200 1824.00 1838.00 1852.00 1866.00 Mk. Freq. Reading Correct Level Factor | Test Channel CH 19100 Temp 23°C  dBm  000 1824.00 1838.00 1852.00 1866.00 1880.00 1  Mk. Freq. Reading Correct Measure-Level Factor ment | Test Channel | Test Channel | Test Channel | Test Channel |

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.



# Report No.: BTL-FCCP-2-2105T078 APPENDIX C RADIATED SPURIOUS EMISSIONS

Project No.: 2105T078 Page 35 of 39 Report Version: R00

|        | Test Mo  | st Mode  |           |     | Band 2       |              |        | Test Dat   | -Δ        | 2021/8/24 |         |      |
|--------|----------|----------|-----------|-----|--------------|--------------|--------|------------|-----------|-----------|---------|------|
| -      | Test Cha |          |           |     | 18900        |              | F      | Polarizati |           |           | rtical  |      |
|        | Temp     |          |           |     | 3°C          |              |        | Hum.       |           |           | 9%      |      |
| 0.0    | IBm      |          |           |     |              |              |        |            |           |           |         | _    |
|        |          |          |           |     |              |              |        |            |           |           |         |      |
| -10 🕌  |          |          |           |     |              |              |        |            |           |           |         | -    |
|        |          |          |           |     |              |              |        |            |           |           |         | 1    |
| -20    |          |          |           |     |              |              |        |            |           |           |         | 1    |
| -30    |          |          |           |     |              |              |        |            |           |           |         |      |
| -30    |          |          |           |     |              |              |        |            |           |           |         |      |
| -40    |          |          | 2<br>X    |     |              |              |        |            |           |           |         | -    |
| _ 1    |          |          | ^         |     |              |              | 4<br>× |            |           |           |         |      |
| -50 X  |          |          |           |     |              | 2            |        | 5<br>X     | _         |           |         | +    |
|        |          |          |           |     |              | X            |        |            | 8<br>8    |           |         |      |
| -60    |          |          |           |     |              |              |        |            |           |           |         | 1    |
| -70    |          |          |           |     |              |              |        |            |           |           |         |      |
|        |          |          |           |     |              |              |        |            |           |           |         |      |
| -80    |          |          |           |     |              |              |        |            |           |           |         | -    |
|        |          |          |           |     |              |              |        |            |           |           |         |      |
| -90    |          |          |           |     |              |              |        |            |           |           |         | 1    |
| -100.0 |          |          |           |     |              |              |        |            |           |           |         |      |
| 30.000 |          |          | 321.0     |     | 418.00       | 515.00       |        |            | 09.00 806 | 5.00      | 1000.00 | МН   |
| No.    | Mk.      | Freq.    | Read      |     | Correct      |              |        | Limit      | Over      |           |         |      |
|        |          | MHz      | Lev<br>dB |     | Factor<br>dB | me<br>dBı    |        | dBm        | dB        | Detector  | Comm    | ont  |
| 1      |          | 57.5803  | -47.      |     | -1.23        | -48.         |        | -13.00     | -35.34    | peak      | Commi   | CIII |
| 2      | *        | 272.0150 | -49.      |     | 7.67         | -40.<br>-42. |        | -13.00     | -29.18    | peak      |         |      |
| 3      |          | 533.2360 | -63.      |     | 7.40         | -56.         |        | -13.00     | -43.14    | peak      |         |      |
| 4      |          | 600.0043 | -58.      |     | 12.71        | -45.         |        | -13.00     | -32.84    | peak      |         |      |
| 5      |          | 649.9917 | -66.      |     | 13.27        | -53.         |        | -13.00     | -40.08    | peak      |         |      |
| 6      |          | 749.9986 | -68.      | .36 | 11.17        | -57.         | 19     | -13.00     | -44.19    | peak      |         |      |

- (1) Measurement Value = Reading Level + Correct Factor.
  (2) Margin Level = Measurement Value Limit Value.

|        | Test Mo |          |        |      | Band 2  |         |          | Test Date  |          | 2021     | 1/8/24  |           |
|--------|---------|----------|--------|------|---------|---------|----------|------------|----------|----------|---------|-----------|
| T      | est Cha |          |        |      | 18900   |         | Ρ        | olarizatic | n        |          | zontal  |           |
|        | Temp    | )        |        | 2    | 3°C     |         |          | Hum.       |          | 59       | 9%      |           |
| 0.0 dl | Bm      |          |        |      |         |         |          |            |          |          |         | _         |
|        |         |          |        |      |         |         |          |            |          |          |         |           |
| -10    |         |          |        |      |         |         |          |            |          |          |         | Ⅎ         |
| -20    |         |          |        |      |         |         |          |            |          |          |         |           |
| -20    |         |          |        |      |         |         |          |            |          |          |         |           |
| -30    |         |          |        |      |         |         |          |            |          |          |         | -         |
|        |         |          |        |      |         |         |          |            |          |          |         |           |
| -40    | 1<br>X  |          | 2<br>X |      |         |         |          |            |          |          |         | 1         |
| -50    | ^       |          |        |      |         |         |          |            | 5<br>X   |          |         |           |
|        |         |          |        |      |         |         | X        | 4<br>×     |          | 8<br>8   |         |           |
| -60    |         |          |        |      |         |         |          |            |          | X        |         | -         |
| 70     |         |          |        |      |         |         |          |            |          |          |         |           |
| -70    |         |          |        |      |         |         |          |            |          |          |         | 1         |
| -80    |         |          |        |      |         |         |          |            |          |          |         | -         |
| -90    |         |          |        |      |         |         |          |            |          |          |         |           |
| -100.0 |         |          |        |      |         |         |          |            |          |          |         |           |
| 30.000 | 127.00  | 224.00   | 321.   | 00   | 418.00  | 515.00  | 612.     | .00 70     | 9.00 806 | .00      | 1000.00 | _ <br>MHa |
| No.    | Mk.     | Freq.    | Rea    | ding | Correct | Measure | <u>-</u> | Limit      | Over     |          |         |           |
|        |         |          | Le     | vel  | Factor  | ment    |          |            |          |          |         |           |
|        |         | MHz      |        | 3m   | dB      | dBm     |          | dBm        | dB       | Detector | Comm    | ent       |
| 1      |         | 76.6893  |        | ).27 | 5.24    | -45.03  |          | -13.00     | -32.03   | peak     |         |           |
| 2      | *       | 272.5323 |        | .75  | 0.00    | -44.75  |          | -13.00     | -31.75   | peak     |         |           |
| 3      |         | 600.0043 |        | 3.13 | 7.25    | -55.88  |          | -13.00     | -42.88   | peak     |         |           |
| 4      |         | 649.9917 |        | 2.38 | 7.15    | -55.23  |          | -13.00     | -42.23   | peak     |         |           |
| 5      |         | 749.9986 |        | 2.64 | 12.76   | -49.88  |          | -13.00     | -36.88   | peak     |         |           |
| 6      |         | 849.9410 | -74    | .87  | 16.42   | -58.45  |          | -13.00     | -45.45   | peak     |         |           |

- (1) Measurement Value = Reading Level + Correct Factor.
  (2) Margin Level = Measurement Value Limit Value.

|             | Test Mo      |          |                  | Band 2<br>18900   |                  | Test Date<br>Polarizatio |        |          | 1/8/24<br>rtical |
|-------------|--------------|----------|------------------|-------------------|------------------|--------------------------|--------|----------|------------------|
|             | Temp         |          |                  | 3°C               |                  | Hum.                     |        |          | 9%               |
| 0.0         | dBm          |          |                  |                   |                  |                          |        |          |                  |
| 10          |              |          |                  |                   |                  |                          |        |          |                  |
| 20          |              |          |                  |                   |                  |                          |        |          |                  |
| 30          |              |          |                  |                   |                  |                          |        |          |                  |
| 40          |              |          | 1<br>×           |                   |                  |                          |        |          |                  |
| 50 _        |              |          |                  |                   |                  |                          |        |          |                  |
| 60 <u> </u> |              |          |                  |                   |                  |                          |        |          |                  |
| 70          |              |          |                  |                   |                  |                          |        |          |                  |
| 90          |              |          |                  |                   |                  |                          |        |          |                  |
| 100.0       |              |          |                  |                   |                  |                          |        |          |                  |
|             | 0.000 2900.0 |          | 6700.00          | 8600.00           |                  |                          |        | 00.00    | 20000.00 MH      |
| No.         | Mk.          | Freq.    | Reading<br>Level | Correct<br>Factor | Measure-<br>ment | - Limit                  | Over   |          |                  |
|             |              | MHz      | dBm              | dB                | dBm              | dBm                      | dB     | Detector | Comment          |
| 1           | *            | 5613.833 | -45.32           | 2.14              | -43.18           | -13.00                   | -30.18 | peak     |                  |

- (1) Measurement Value = Reading Level + Correct Factor.
  (2) Margin Level = Measurement Value Limit Value.

|             | Test Mo      |          |                  | Band 2<br>18900   |                 | Test Date<br>Polarization |        |          | 1/8/24<br>zontal |
|-------------|--------------|----------|------------------|-------------------|-----------------|---------------------------|--------|----------|------------------|
|             | Temp         |          |                  | 3°C               |                 | Hum.                      | וזכ    |          | 2011(a)<br>9%    |
| D.O         | dBm          | )        |                  | 3 C               |                 | nuiii.                    |        | 3:       | 970              |
|             | dbiii        |          |                  |                   |                 |                           |        |          |                  |
| 10          |              |          |                  |                   |                 |                           |        |          |                  |
| 20 =        |              |          |                  |                   |                 |                           |        |          |                  |
| 30 _        |              |          |                  |                   |                 |                           |        |          |                  |
| 40 _        |              |          |                  | X X               |                 |                           |        |          |                  |
| 50 _        |              |          |                  |                   |                 |                           |        |          |                  |
| 60 <u> </u> |              |          |                  |                   |                 |                           |        |          |                  |
| 70 _        |              |          |                  |                   |                 |                           |        |          |                  |
| B0          |              |          |                  |                   |                 |                           |        |          |                  |
| 90          |              |          |                  |                   |                 |                           |        |          |                  |
| 100.0       |              |          |                  |                   |                 |                           |        |          |                  |
|             | 0.000 2900.0 |          | 6700.00          | 8600.00           |                 |                           |        | 200.00   | 20000.00 MH      |
| No.         | Mk.          | Freq.    | Reading<br>Level | Correct<br>Factor | Measure<br>ment | - Limit                   | Over   |          |                  |
|             |              | MHz      | dBm              | dB                | dBm             | dBm                       | dB     | Detector | Comment          |
| 1           | *            | 9356.200 | -48.85           | 12.65             | -36.20          | -13.00                    | -23.20 | peak     |                  |

#### **REMARKS**:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value Limit Value.

**End of Test Report**