

RF TEST REPORT

Applicant Deer Management Systems LLC

FCC ID 2BBNQ-RVG3

Product Trail Camera

Brand Reveal

Model Gen3

Report No. R2401A0012-R4

Issue Date January 23, 2024

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 (2023)/ FCC CFR 47 Part 90S (2023)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Summary of Measurement Results

| No. | Test Case | Clause in FCC rules | Verdict |
|---|--|---------------------|---------|
| 1 | RF Power Output and Effective Radiated Power | 2.1046/90.635(b) | PASS |
| 2 | Radiated Spurious Emission | 2.1053 /90.691 | PASS |
| Date of Testing: January 4, 2024 ~ January 16, 2024 Date of Sample Received: January 3, 2024 Note: PASS: The EUT complies with the essential requirements in the standard. FAIL: The EUT does not comply with the essential requirements in the standard. All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. | | | |

This report only tests RF Power Output and Radiated Spurious Emission of the Gen3. Other
 test items refer to the Module report (Report No.: R1907A0406-R3, FCC ID:
 XMR201909EG91NAX).

1. Test Laboratory

1.1. Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
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E-mail: Kain.Xu@cpt.eurofinscn.com

2. General Description of Equipment Under Test

2.1. Applicant and Manufacturer Information

| | |
|----------------------|---|
| Applicant | Deer Management Systems LLC |
| Applicant address | 110 N Sunset Blvd Caledonia Minnesota United States |
| Manufacturer | AsiaTelco Technologies Co. |
| Manufacturer address | No. 68 Huatuo Road, Building-8, Zhangjiang Hi-Tech Park, Pudong, Shanghai 201203, China |

2.2. General Information

| EUT Description | | | |
|--|---|-----------|-----------|
| Model | Gen3 | | |
| SN | G32351P300017 | | |
| Hardware Version | P3 | | |
| Software Version | V1.0.32_b20240122 | | |
| Power Supply | Battery | | |
| Antenna Type | External Antenna | | |
| Antenna Gain | 4.4 dBi | | |
| Test Mode(s) | LTE Band 26; | | |
| Test Modulation | QPSK, 16QAM; | | |
| LTE Category | 1 | | |
| Maximum E.R.P. | LTE Band 26: | 25.04 dBm | |
| Rated Power Supply Voltage | 9V | | |
| Operating Voltage | Minimum: 6V Maximum: 12V | | |
| Operating Temperature | Lowest: -25°C Highest: +55°C | | |
| Testing Temperature | Lowest: -30°C Highest: +50°C | | |
| Operating Frequency Range(s) | Band | Tx (MHz) | Rx (MHz) |
| | LTE Band 26 | 814 ~ 824 | 859 ~ 869 |
| EUT Accessory | | | |
| Power supply 1 | Dry battery: six AA Batteries DC 9V | | |
| Power supply 2 | Lithium battery: Manufacturer: Asiatelco Technologies Co. Model: TBP-01 DC 7.25V 5000mAh | | |
| Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant. | | | |

3. Applied Standards

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

Test standards:

FCC CFR 47 Part 90S (2023)

FCC CFR47 Part 2 (2023)

Reference standard:

ANSI C63.26-2015

KDB 971168 D01 Power Meas License Digital Systems v03r01

4. Test Configuration

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position (X axis, vertical polarization) and the worst case was recorded.

All mode and data rates and positions were investigated.

The following testing in LTE is set based on the maximum RF Output Power.

Test modes are chosen as the worst case configuration below for LTE Band 26

| Test items | Bandwidth (MHz) | | | | Modulation | | RB | | | Test Channel | | |
|--|---|---|---|----|------------|-------|----|-----|------|--------------|---|---|
| | 1.4 | 3 | 5 | 10 | QPSK | 16QAM | 1 | 50% | 100% | L | M | H |
| RF Power Output and Effective Radiated Power | O | O | O | O | O | O | O | O | O | O | O | O |
| Radiated Spurious Emission | O | - | O | O | O | - | O | - | - | - | O | - |
| Note | 1. The mark "O" means that this configuration is chosen for testing. 2. The mark "-" means that this configuration is not testing. | | | | | | | | | | | |

5. Test Case

5.1. RF Power Output and Effective Radiated Power

Ambient Condition

| Temperature | Relative humidity | Pressure |
|-------------|-------------------|------------------|
| 15°C ~ 35°C | 20% ~ 80% | 86 kPa ~ 106 kPa |

Methods of Measurement

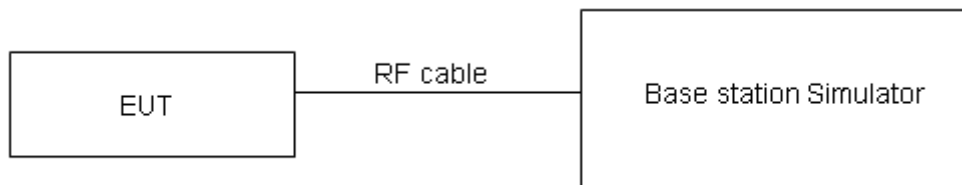
During the process of the testing, The EUT was connected to the Base Station Simulator with a known loss. The EUT is controlled by the Base Station Simulator test set to ensure max power transmission with proper modulation.

ERP can then be calculated as follows:

$EIRP \text{ (dBm)} = \text{Output Power (dBm)} + \text{Antenna Gain (dBi)}$

$EIRP \text{ (dBm)} = ERP \text{ (dBm)} + 2.15 \text{ (dB.)}$

Test Setup



Limits

Part 90.635 (b) the maximum output power of the transmitter for mobile stations is 100 watts.

Rule Part 90.635(b) specifies that “The maximum output power of the transmitter for mobile stations is 100 watts”.

| Limit | $\leq 100 \text{ W}$ (50 dBm) |
|-------|-------------------------------|
|-------|-------------------------------|

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.4 \text{ dB}$ for RF power output, $k = 2$, $U = 1.19 \text{ dB}$ for ERP.

Test Results

Refer to the section 6.1 of this report for test data.

5.2. Radiated Spurious Emission

Ambient Condition

| Temperature | Relative humidity | Pressure |
|-------------|-------------------|------------------|
| 15°C ~ 35°C | 20% ~ 80% | 86 kPa ~ 106 kPa |

Method of Measurement

1. The testing follows FCC KDB 971168 v03r01 Section 5.8 and ANSI C63.26-2015.
2. Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
3. A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
4. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=100kHz, VBW=300kHz, and the maximum value of the receiver should be recorded as (Pr).
5. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
6. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
7. The measurement results are obtained as described below:

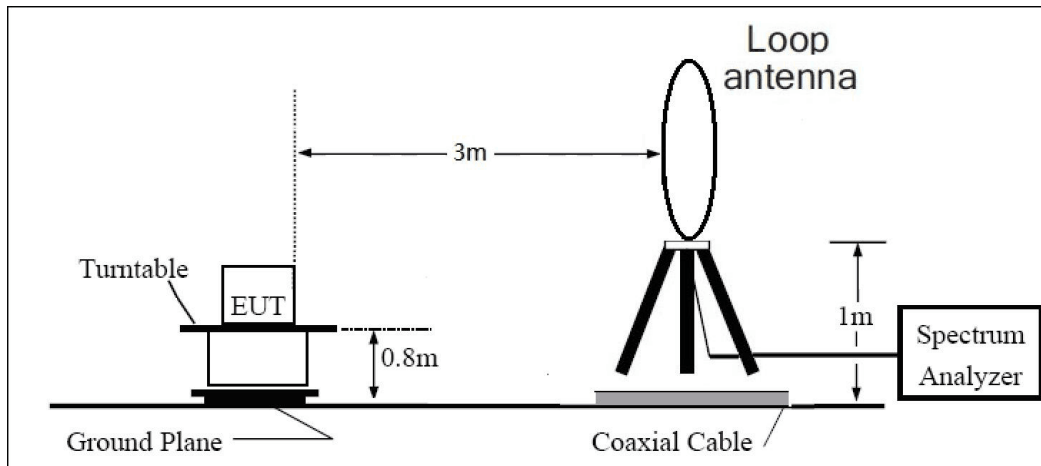
$$\text{Power(EIRP)} = \text{PMea} - \text{PAg} - \text{Pcl} + \text{Ga}$$
 The measurement results are amend as described below:

$$\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$$
8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, $\text{ERP} = \text{EIRP} - 2.15\text{dBi}$.

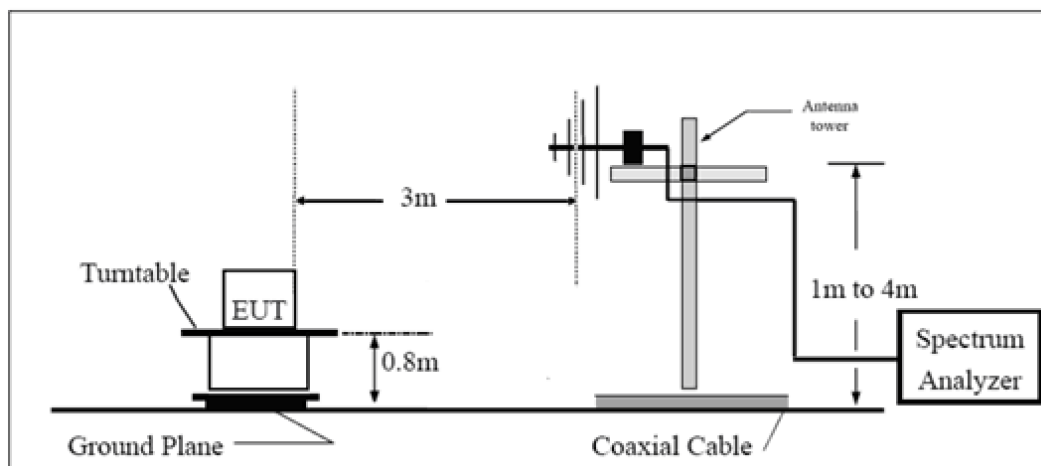
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test Setup

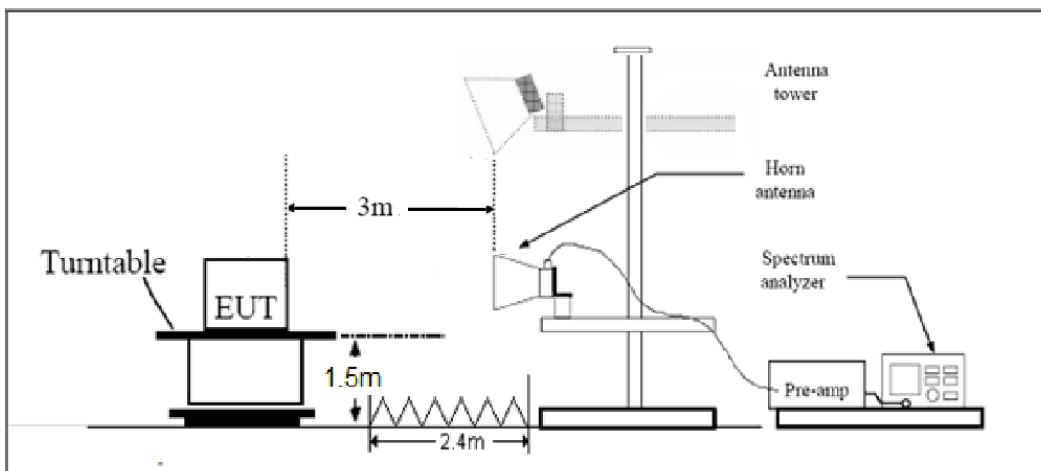
9KHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side: 2.4mX3.6m

Limits

Rule Part 90.691 specifies that “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.”

| | |
|-------|---------|
| Limit | -13 dBm |
|-------|---------|

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 3.55$ dB.

Test Results

Refer to the section 6.2 of this report for test data.

6. Test Results

6.1. RF Power Output and Effective Radiated Power

| Band | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | ERP (dBm) |
|------------|-----------------|------------|---------|-------------|------------|-------------|-----------|
| LTE Band26 | 1.4 | 26697 | 1 | #0 | QPSK | 22.70 | 24.95 |
| LTE Band26 | 1.4 | 26697 | 1 | #Mid | QPSK | 22.79 | 25.04 |
| LTE Band26 | 1.4 | 26697 | 1 | #Max | QPSK | 22.64 | 24.89 |
| LTE Band26 | 1.4 | 26697 | 3 | #0 | QPSK | 22.55 | 24.80 |
| LTE Band26 | 1.4 | 26697 | 3 | #Mid | QPSK | 22.55 | 24.80 |
| LTE Band26 | 1.4 | 26697 | 3 | #Max | QPSK | 22.44 | 24.69 |
| LTE Band26 | 1.4 | 26697 | 6 | #0 | QPSK | 21.36 | 23.61 |
| LTE Band26 | 1.4 | 26740 | 1 | #0 | QPSK | 22.07 | 24.32 |
| LTE Band26 | 1.4 | 26740 | 1 | #Mid | QPSK | 22.34 | 24.59 |
| LTE Band26 | 1.4 | 26740 | 1 | #Max | QPSK | 22.11 | 24.36 |
| LTE Band26 | 1.4 | 26740 | 3 | #0 | QPSK | 22.08 | 24.33 |
| LTE Band26 | 1.4 | 26740 | 3 | #Mid | QPSK | 22.07 | 24.32 |
| LTE Band26 | 1.4 | 26740 | 3 | #Max | QPSK | 22.18 | 24.43 |
| LTE Band26 | 1.4 | 26740 | 6 | #0 | QPSK | 21.24 | 23.49 |
| LTE Band26 | 1.4 | 26783 | 1 | #0 | QPSK | 22.04 | 24.29 |
| LTE Band26 | 1.4 | 26783 | 1 | #Mid | QPSK | 22.52 | 24.77 |
| LTE Band26 | 1.4 | 26783 | 1 | #Max | QPSK | 22.55 | 24.80 |
| LTE Band26 | 1.4 | 26783 | 3 | #0 | QPSK | 22.22 | 24.47 |
| LTE Band26 | 1.4 | 26783 | 3 | #Mid | QPSK | 22.22 | 24.47 |
| LTE Band26 | 1.4 | 26783 | 3 | #Max | QPSK | 22.43 | 24.68 |
| LTE Band26 | 1.4 | 26783 | 6 | #0 | QPSK | 21.19 | 23.44 |
| LTE Band26 | 3 | 26705 | 1 | #0 | QPSK | 22.38 | 24.63 |
| LTE Band26 | 3 | 26705 | 1 | #Mid | QPSK | 22.31 | 24.56 |
| LTE Band26 | 3 | 26705 | 1 | #Max | QPSK | 22.21 | 24.46 |
| LTE Band26 | 3 | 26705 | 8 | #0 | QPSK | 21.39 | 23.64 |
| LTE Band26 | 3 | 26705 | 8 | #Mid | QPSK | 21.39 | 23.64 |
| LTE Band26 | 3 | 26705 | 8 | #Max | QPSK | 21.27 | 23.52 |
| LTE Band26 | 3 | 26705 | 15 | #0 | QPSK | 21.37 | 23.62 |
| LTE Band26 | 3 | 26740 | 1 | #0 | QPSK | 22.25 | 24.50 |
| LTE Band26 | 3 | 26740 | 1 | #Mid | QPSK | 22.30 | 24.55 |
| LTE Band26 | 3 | 26740 | 1 | #Max | QPSK | 22.41 | 24.66 |
| LTE Band26 | 3 | 26740 | 8 | #0 | QPSK | 21.01 | 23.26 |
| LTE Band26 | 3 | 26740 | 8 | #Mid | QPSK | 21.02 | 23.27 |
| LTE Band26 | 3 | 26740 | 8 | #Max | QPSK | 21.18 | 23.43 |
| LTE Band26 | 3 | 26740 | 15 | #0 | QPSK | 21.13 | 23.38 |
| LTE Band26 | 3 | 26775 | 1 | #0 | QPSK | 22.06 | 24.31 |

| | | | | | | | |
|------------|-----|-------|----|------|-------|-------|-------|
| LTE Band26 | 3 | 26775 | 1 | #Mid | QPSK | 22.31 | 24.56 |
| LTE Band26 | 3 | 26775 | 1 | #Max | QPSK | 22.48 | 24.73 |
| LTE Band26 | 3 | 26775 | 8 | #0 | QPSK | 20.91 | 23.16 |
| LTE Band26 | 3 | 26775 | 8 | #Mid | QPSK | 20.92 | 23.17 |
| LTE Band26 | 3 | 26775 | 8 | #Max | QPSK | 21.07 | 23.32 |
| LTE Band26 | 3 | 26775 | 15 | #0 | QPSK | 20.98 | 23.23 |
| LTE Band26 | 5 | 26715 | 1 | #0 | QPSK | 22.30 | 24.55 |
| LTE Band26 | 5 | 26715 | 1 | #Mid | QPSK | 22.09 | 24.34 |
| LTE Band26 | 5 | 26715 | 1 | #Max | QPSK | 22.02 | 24.27 |
| LTE Band26 | 5 | 26715 | 12 | #0 | QPSK | 21.26 | 23.51 |
| LTE Band26 | 5 | 26715 | 12 | #Mid | QPSK | 21.27 | 23.52 |
| LTE Band26 | 5 | 26715 | 12 | #Max | QPSK | 21.00 | 23.25 |
| LTE Band26 | 5 | 26715 | 25 | #0 | QPSK | 21.13 | 23.38 |
| LTE Band26 | 5 | 26740 | 1 | #0 | QPSK | 22.10 | 24.35 |
| LTE Band26 | 5 | 26740 | 1 | #Mid | QPSK | 22.03 | 24.28 |
| LTE Band26 | 5 | 26740 | 1 | #Max | QPSK | 21.95 | 24.20 |
| LTE Band26 | 5 | 26740 | 12 | #0 | QPSK | 21.10 | 23.35 |
| LTE Band26 | 5 | 26740 | 12 | #Mid | QPSK | 21.10 | 23.35 |
| LTE Band26 | 5 | 26740 | 12 | #Max | QPSK | 21.14 | 23.39 |
| LTE Band26 | 5 | 26740 | 25 | #0 | QPSK | 20.90 | 23.15 |
| LTE Band26 | 5 | 26765 | 1 | #0 | QPSK | 22.12 | 24.37 |
| LTE Band26 | 5 | 26765 | 1 | #Mid | QPSK | 22.11 | 24.36 |
| LTE Band26 | 5 | 26765 | 1 | #Max | QPSK | 22.19 | 24.44 |
| LTE Band26 | 5 | 26765 | 12 | #0 | QPSK | 20.96 | 23.21 |
| LTE Band26 | 5 | 26765 | 12 | #Mid | QPSK | 20.96 | 23.21 |
| LTE Band26 | 5 | 26765 | 12 | #Max | QPSK | 21.07 | 23.32 |
| LTE Band26 | 5 | 26765 | 25 | #0 | QPSK | 20.86 | 23.11 |
| LTE Band26 | 10 | 26740 | 1 | #0 | QPSK | 22.50 | 24.75 |
| LTE Band26 | 10 | 26740 | 1 | #Mid | QPSK | 22.05 | 24.30 |
| LTE Band26 | 10 | 26740 | 1 | #Max | QPSK | 22.36 | 24.61 |
| LTE Band26 | 10 | 26740 | 25 | #0 | QPSK | 21.02 | 23.27 |
| LTE Band26 | 10 | 26740 | 25 | #Mid | QPSK | 21.03 | 23.28 |
| LTE Band26 | 10 | 26740 | 25 | #Max | QPSK | 21.15 | 23.40 |
| LTE Band26 | 10 | 26740 | 50 | #0 | QPSK | 21.04 | 23.29 |
| LTE Band26 | 1.4 | 26697 | 1 | #0 | 16QAM | 21.50 | 23.75 |
| LTE Band26 | 1.4 | 26697 | 1 | #Mid | 16QAM | 21.56 | 23.81 |
| LTE Band26 | 1.4 | 26697 | 1 | #Max | 16QAM | 21.24 | 23.49 |
| LTE Band26 | 1.4 | 26697 | 3 | #0 | 16QAM | 21.53 | 23.78 |
| LTE Band26 | 1.4 | 26697 | 3 | #Mid | 16QAM | 21.54 | 23.79 |
| LTE Band26 | 1.4 | 26697 | 3 | #Max | 16QAM | 21.12 | 23.37 |
| LTE Band26 | 1.4 | 26697 | 6 | #0 | 16QAM | 20.13 | 22.38 |
| LTE Band26 | 1.4 | 26740 | 1 | #0 | 16QAM | 20.71 | 22.96 |
| LTE Band26 | 1.4 | 26740 | 1 | #Mid | 16QAM | 20.88 | 23.13 |
| LTE Band26 | 1.4 | 26740 | 1 | #Max | 16QAM | 20.65 | 22.90 |

| | | | | | | | |
|------------|-----|-------|----|------|-------|-------|-------|
| LTE Band26 | 1.4 | 26740 | 3 | #0 | 16QAM | 20.48 | 22.73 |
| LTE Band26 | 1.4 | 26740 | 3 | #Mid | 16QAM | 20.47 | 22.72 |
| LTE Band26 | 1.4 | 26740 | 3 | #Max | 16QAM | 20.36 | 22.61 |
| LTE Band26 | 1.4 | 26740 | 6 | #0 | 16QAM | 19.50 | 21.75 |
| LTE Band26 | 1.4 | 26783 | 1 | #0 | 16QAM | 19.39 | 21.64 |
| LTE Band26 | 1.4 | 26783 | 1 | #Mid | 16QAM | 20.10 | 22.35 |
| LTE Band26 | 1.4 | 26783 | 1 | #Max | 16QAM | 19.89 | 22.14 |
| LTE Band26 | 1.4 | 26783 | 3 | #0 | 16QAM | 19.74 | 21.99 |
| LTE Band26 | 1.4 | 26783 | 3 | #Mid | 16QAM | 19.74 | 21.99 |
| LTE Band26 | 1.4 | 26783 | 3 | #Max | 16QAM | 20.17 | 22.42 |
| LTE Band26 | 1.4 | 26783 | 6 | #0 | 16QAM | 18.91 | 21.16 |
| LTE Band26 | 3 | 26705 | 1 | #0 | 16QAM | 21.38 | 23.63 |
| LTE Band26 | 3 | 26705 | 1 | #Mid | 16QAM | 20.77 | 23.02 |
| LTE Band26 | 3 | 26705 | 1 | #Max | 16QAM | 20.97 | 23.22 |
| LTE Band26 | 3 | 26705 | 8 | #0 | 16QAM | 20.84 | 23.09 |
| LTE Band26 | 3 | 26705 | 8 | #Mid | 16QAM | 20.84 | 23.09 |
| LTE Band26 | 3 | 26705 | 8 | #Max | 16QAM | 19.90 | 22.15 |
| LTE Band26 | 3 | 26705 | 15 | #0 | 16QAM | 20.42 | 22.67 |
| LTE Band26 | 3 | 26740 | 1 | #0 | 16QAM | 21.31 | 23.56 |
| LTE Band26 | 3 | 26740 | 1 | #Mid | 16QAM | 20.77 | 23.02 |
| LTE Band26 | 3 | 26740 | 1 | #Max | 16QAM | 20.83 | 23.08 |
| LTE Band26 | 3 | 26740 | 8 | #0 | 16QAM | 19.59 | 21.84 |
| LTE Band26 | 3 | 26740 | 8 | #Mid | 16QAM | 19.60 | 21.85 |
| LTE Band26 | 3 | 26740 | 8 | #Max | 16QAM | 19.21 | 21.46 |
| LTE Band26 | 3 | 26740 | 15 | #0 | 16QAM | 19.18 | 21.43 |
| LTE Band26 | 3 | 26775 | 1 | #0 | 16QAM | 19.55 | 21.80 |
| LTE Band26 | 3 | 26775 | 1 | #Mid | 16QAM | 19.48 | 21.73 |
| LTE Band26 | 3 | 26775 | 1 | #Max | 16QAM | 20.01 | 22.26 |
| LTE Band26 | 3 | 26775 | 8 | #0 | 16QAM | 18.68 | 20.93 |
| LTE Band26 | 3 | 26775 | 8 | #Mid | 16QAM | 18.68 | 20.93 |
| LTE Band26 | 3 | 26775 | 8 | #Max | 16QAM | 19.09 | 21.34 |
| LTE Band26 | 3 | 26775 | 15 | #0 | 16QAM | 18.92 | 21.17 |
| LTE Band26 | 5 | 26715 | 1 | #0 | 16QAM | 21.44 | 23.69 |
| LTE Band26 | 5 | 26715 | 1 | #Mid | 16QAM | 20.83 | 23.08 |
| LTE Band26 | 5 | 26715 | 1 | #Max | 16QAM | 19.99 | 22.24 |
| LTE Band26 | 5 | 26715 | 12 | #0 | 16QAM | 20.32 | 22.57 |
| LTE Band26 | 5 | 26715 | 12 | #Mid | 16QAM | 20.28 | 22.53 |
| LTE Band26 | 5 | 26715 | 12 | #Max | 16QAM | 19.48 | 21.73 |
| LTE Band26 | 5 | 26715 | 25 | #0 | 16QAM | 20.10 | 22.35 |
| LTE Band26 | 5 | 26740 | 1 | #0 | 16QAM | 21.11 | 23.36 |
| LTE Band26 | 5 | 26740 | 1 | #Mid | 16QAM | 20.39 | 22.64 |
| LTE Band26 | 5 | 26740 | 1 | #Max | 16QAM | 20.42 | 22.67 |
| LTE Band26 | 5 | 26740 | 12 | #0 | 16QAM | 19.57 | 21.82 |
| LTE Band26 | 5 | 26740 | 12 | #Mid | 16QAM | 19.58 | 21.83 |

| | | | | | | | |
|------------|----|-------|----|------|-------|-------|-------|
| LTE Band26 | 5 | 26740 | 12 | #Max | 16QAM | 18.96 | 21.21 |
| LTE Band26 | 5 | 26740 | 25 | #0 | 16QAM | 19.35 | 21.60 |
| LTE Band26 | 5 | 26765 | 1 | #0 | 16QAM | 20.28 | 22.53 |
| LTE Band26 | 5 | 26765 | 1 | #Mid | 16QAM | 20.05 | 22.30 |
| LTE Band26 | 5 | 26765 | 1 | #Max | 16QAM | 19.87 | 22.12 |
| LTE Band26 | 5 | 26765 | 12 | #0 | 16QAM | 19.02 | 21.27 |
| LTE Band26 | 5 | 26765 | 12 | #Mid | 16QAM | 19.02 | 21.27 |
| LTE Band26 | 5 | 26765 | 12 | #Max | 16QAM | 18.91 | 21.16 |
| LTE Band26 | 5 | 26765 | 25 | #0 | 16QAM | 18.82 | 21.07 |
| LTE Band26 | 10 | 26740 | 1 | #0 | 16QAM | 21.62 | 23.87 |
| LTE Band26 | 10 | 26740 | 1 | #Mid | 16QAM | 20.09 | 22.34 |
| LTE Band26 | 10 | 26740 | 1 | #Max | 16QAM | 20.37 | 22.62 |
| LTE Band26 | 10 | 26740 | 25 | #0 | 16QAM | 20.10 | 22.35 |
| LTE Band26 | 10 | 26740 | 25 | #Mid | 16QAM | 20.12 | 22.37 |
| LTE Band26 | 10 | 26740 | 25 | #Max | 16QAM | 19.11 | 21.36 |

6.2. Radiated Spurious Emission

LTE Band 26 1.4MHz CH Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1636.60 | -29.89 | 1.70 | 8.70 | Vertical | -25.04 | -13.00 | 12.04 | 187 |
| 3 | 2454.90 | -49.97 | 2.30 | 12.00 | Vertical | -42.42 | -13.00 | 29.42 | 228 |
| 4 | 3273.20 | -65.76 | 2.20 | 13.10 | Vertical | -57.01 | -13.00 | 44.01 | 17 |
| 5 | 4091.50 | -62.33 | 3.00 | 12.50 | Vertical | -54.98 | -13.00 | 41.98 | 245 |
| 6 | 4909.80 | -61.87 | 3.10 | 12.50 | Vertical | -54.62 | -13.00 | 41.62 | 27 |
| 7 | 5728.10 | -60.60 | 3.40 | 12.50 | Vertical | -53.65 | -13.00 | 40.65 | 165 |
| 8 | 6546.40 | -58.06 | 3.80 | 11.50 | Vertical | -52.51 | -13.00 | 39.51 | 28 |
| 9 | 7364.70 | -54.95 | 4.20 | 12.20 | Vertical | -49.10 | -13.00 | 36.10 | 17 |
| 10 | 8183.00 | -54.65 | 4.30 | 12.30 | Vertical | -48.80 | -13.00 | 35.80 | 287 |

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.
2. The worst emission was found in the antenna is Vertical position.

LTE Band 26 5MHz CH Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1633.00 | -29.85 | 1.70 | 8.70 | Vertical | -25.00 | -13.00 | 12.00 | 96 |
| 3 | 2449.50 | -50.13 | 2.30 | 12.00 | Vertical | -42.58 | -13.00 | 29.58 | 174 |
| 4 | 3266.00 | -64.43 | 2.20 | 13.10 | Vertical | -55.68 | -13.00 | 42.68 | 0 |
| 5 | 4082.50 | -60.77 | 3.00 | 12.50 | Vertical | -53.42 | -13.00 | 40.42 | 180 |
| 6 | 4899.00 | -60.80 | 3.10 | 12.50 | Vertical | -53.55 | -13.00 | 40.55 | 315 |
| 7 | 5715.50 | -60.18 | 3.40 | 12.50 | Vertical | -53.23 | -13.00 | 40.23 | 0 |
| 8 | 6532.00 | -52.94 | 3.80 | 11.50 | Vertical | -47.39 | -13.00 | 34.39 | 180 |
| 9 | 7348.50 | -53.45 | 4.20 | 12.20 | Vertical | -47.60 | -13.00 | 34.60 | 315 |
| 10 | 8165.00 | -53.11 | 4.30 | 12.30 | Vertical | -47.26 | -13.00 | 34.26 | 90 |

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.
2. The worst emission was found in the antenna is Vertical position.

LTE Band 26 10MHz CH Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1628.00 | -30.17 | 1.70 | 8.70 | Vertical | -25.32 | -13.00 | 12.32 | 16 |
| 3 | 2442.00 | -50.87 | 2.30 | 12.00 | Vertical | -43.32 | -13.00 | 30.32 | 287 |
| 4 | 3256.00 | -65.15 | 2.20 | 13.10 | Vertical | -56.40 | -13.00 | 43.40 | 315 |
| 5 | 4070.00 | -59.01 | 3.00 | 12.50 | Vertical | -51.66 | -13.00 | 38.66 | 180 |
| 6 | 4884.00 | -60.35 | 3.10 | 12.50 | Vertical | -53.10 | -13.00 | 40.10 | 0 |
| 7 | 5698.00 | -59.69 | 3.40 | 12.50 | Vertical | -52.74 | -13.00 | 39.74 | 45 |
| 8 | 6512.00 | -54.91 | 3.80 | 11.50 | Vertical | -49.36 | -13.00 | 36.36 | 315 |
| 9 | 7326.00 | -55.31 | 4.20 | 12.20 | Vertical | -49.46 | -13.00 | 36.46 | 180 |
| 10 | 8140.00 | -52.76 | 4.30 | 12.30 | Vertical | -46.91 | -13.00 | 33.91 | 0 |

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

7. Main Test Instruments

| Name | Manufacturer | Type | Serial Number | Calibration Date | Expiration Date |
|-------------------------------|--------------|------------|---------------|------------------|-----------------|
| Wireless Communication Tester | R&S | CMW500 | 150415 | 2023-05-12 | 2024-05-11 |
| Wireless Communication Tester | Agilent | E5515C | MY48367192 | 2023-05-12 | 2024-05-11 |
| Spectrum Analyzer | R&S | FSV30 | 100815 | 2023-12-05 | 2024-12-04 |
| Loop Antenna | SCHWARZBECK | FMZB1519 | 1519-047 | 2023-04-16 | 2026-04-15 |
| TRILOG Broadband Antenna | SCHWARZBECK | VULB 9163 | 391 | 2022-09-29 | 2025-09-28 |
| Horn Antenna | SCHWARZBECK | BBHA 9120D | 1594 | 2023-12-05 | 2026-12-04 |
| Software | R&S | EMC32 | 10.35.10 | / | / |

ANNEX A: The EUT Appearance

The EUT Appearance is submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos is submitted separately.

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