



Test Report No.:
FCCSZ2025-0005-RF6

RF Test Report

FCC : **2AOWK-5021**

NAME OF SAMPLE : **Smart Phone**

APPLICANT : **Shenzhen Gotron Electronic CO.,LTD.**

CLASSIFICATION OF TEST : **N/A**

CVC Testing Technology (Shenzhen) Co., Ltd.



| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Applicant | Name: Shenzhen Gotron Electronic CO.,LTD. Address: 7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua District, Shenzhen City, Guangdong Province China | | |
| Manufacturer | Name: Shenzhen Gotron Electronic CO.,LTD. Address: 7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua District, Shenzhen City, Guangdong Province China | | |
| Equipment Under Test | Name: Smart Phone Model/Type: GQ5021 Additional Model: Armor X32 Pro, Armor X32 Ultra, Armor X32E, Armor X32S, Armor X32 Lite, Armor X32s, Armor X32s Pro Serial NO.: N/A Brand: ulefone Sample NO.: 2-1 | | |
| Date of Receipt. | 2025.01.08 | Date of Testing | 2025.01.08-2025.3.27 |
| Test Specification | | Test Result | |
| FCC 47 CFR Part 2,27 ANSI/TIA-603-E, ANSI C63.26-2015 | | PASS | |
| Evaluation of Test Result | The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC Issue Date: 2025-03-27 | | |
| Compiled by:  <u>Liang Jiatong</u> Name Signature | Reviewed by:  <u>Mo Xianbiao</u> Name Signature | Approved by:  <u>Dong Sanbi</u> Name Signature | |
| Other Aspects: NONE. | | | |
| Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested | | | |

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



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RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|--------------------|-------------------|-------------|
| FCCSZ2025-0005-RF6 | Original release | 2025-03-27 |



1 SUMMARY OF TEST RESULTS AND LIMIT

1.1 NR N71

| FCC PART SECTION | TEST TYPE AND LIMIT | LIMIT | Report Section | RESULT |
|----------------------|-----------------------------|-------------------------------------------------------|----------------------------------|-------------|
| §2.1046 | Conducted power output | --- | Annex A of FCCSZ2025-0005-RF6-A1 | Report Only |
| §27.50(c)(10) | Equivalent Radiated Power | ERP < 3Watt | Annex A of FCCSZ2025-0005-RF6-A1 | PASS |
| §2.1049 | Occupied Bandwidth | --- | Annex C of FCCSZ2025-0005-RF6-A1 | Report Only |
| --- | Peak-to-Average Power Ratio | <13 dB | Annex B of FCCSZ2025-0005-RF6-A1 | PASS |
| §2.1055 §27.54 | Frequency Stability | Within authorized bands of operation/frequency block. | Annex F of FCCSZ2025-0005-RF6-A1 | PASS |
| §2.1051 §27.53(g) | Band Edge Compliance | < 43+10log10(P[Watts]) | Annex D of FCCSZ2025-0005-RF6-A1 | PASS |
| §2.1051 §27.53(g) | Conducted Spurious Emission | < 43+10log10(P[Watts]) | Annex E of FCCSZ2025-0005-RF6-A1 | PASS |
| §2.1051 §27.53(g) | Radiates Spurious Emission | < 43+10log10(P[Watts]) | See section 3.1 | PASS |



2 GENERAL INFORMATION

2.1 GENERAL PRODUCT INFORMATION

| | | | | |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|---------------------------------------------|
| PRODUCT | Smart Phone | | | |
| BRAND | ulefone | | | |
| TEST MODEL | GQ5021 | | | |
| ADDITIONAL MODEL | Armor X32 Pro, Armor X32 Ultra, Armor X32E, Armor X32S, Armor X32 Lite, Armor X32s, Armor X32s Pro | | | |
| POWER SUPPLY | Battery Model: 5021Rechargeable Li-ion Battery Limited Charge Voltage: 4.45V Nominal Voltage: 3.87V Rated Capacity: 5500mAh/21.285Wh 1ICP7/57/74 | | | |
| MODULATION TYPE | CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM | | | |
| OPERATING FREQUENCY and MAXIMUM OUTPUT POWER | Band | TX(MHz) | RX(MHz) | Maximum Output Power to Antenna (dBm) |
| | NR N71 | 663 ~ 698 | 617 ~ 652 | 24.07 |
| ANTENNA TYPE(Note 4) | See section 2.2 | | | |
| I/O PORTS | Refer to user's manual | | | |
| CABLE SUPPLIED | USB line, 1.0Meter, Shielded without ferrite | | | |

Note:

1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: FCCSZ2025-0005-EUT) for detailed product photo.
4. Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

2.2 DESCRIPTION OF ACCESSORIES

| AC Adapter | |
|------------|----------------------------------------------------------------------------------|
| Model No.: | QZ-0180AA2H |
| Input: | 100-240V~50/60Hz 0.5A |
| Output: | 5.0V ---3.0A 15.0W or 9.0V ---2.22A 20.0W Max or 12.0V ---1.67A 20.0W Max. |



2.3 ANTENNA TYPE

| ANTENNA TYPE | Band | TX(MHz) | RX(MHz) | Antenna Type | Antenna Port | Antenna Gain |
|-----------------|--------|-----------|-----------|--------------|-----------------|--------------|
| | NR N71 | 663 ~ 698 | 617 ~ 652 | PIFA Antenna | 1 | -4.01 |

2.4 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports.

| EUT CONFIGURE MODE | DESCRIPTION |
|--------------------------|-------------------------------|
| - | EUT + Adapter + with LTE link |



Test modes are chosen as the worst case configuration below for NR

| Test items | 5 G N R | Bandwidth (MHz) | | | | | | | | | Modulation | | | | | RB | | Test Channel | | |
|-----------------------------|------------------|-----------------|----|----|----|----|----|----|----------------|-----|--------------|------|-----------|-----------|------------|----|------|--------------|---|---|
| | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 to 90 | 100 | PI/2 BPSK | QPSK | 16 QAM | 64 QAM | 256 QAM | 1% | 100% | L | M | H |
| RF Output Power | 71 | O | O | O | O | - | - | - | - | - | O | O | O | O | O | O | O | O | O | O |
| EIRP | 71 | O | O | O | O | - | - | - | - | - | O | O | O | O | O | O | O | O | O | O |
| Occupied Bandwidth | 71 | O | O | O | O | - | - | - | - | - | O | O | O | O | O | - | O | O | O | O |
| Band Edge Compliance | 71 | O | O | - | O | - | - | - | - | - | O | O | - | - | - | O | O | O | - | O |
| Peak-to-Average Power Ratio | 71 | - | - | - | O | - | - | - | - | - | O | O | - | - | - | - | O | O | O | O |
| Frequency Stability | 71 | - | - | - | O | - | - | - | - | - | O | O | - | - | - | - | O | O | O | O |
| Conducted Spurious Emission | 71 | O | O | - | O | - | - | - | - | - | O | O | - | - | - | O | - | O | O | O |
| Radiates Spurious Emission | 71 | O | O | - | O | - | - | - | - | - | O | O | - | - | - | O | - | O | O | O |

Note1: The mark "O" means that this configuration is chosen for testing.

Note2: The mark "-" means that this configuration is not testing.

Note3: Only the worst case was shown in test report

Test CONDITION:

| TEST ITEM | ENVIRONMENTAL CONDITIONS | INPUT POWER | TESTED BY |
|-------------------------------------|--------------------------|-------------|---------------|
| RF power output | 22deg. C, 65%RH | DC 3.87V | Liang Jiatong |
| Effective Radiated Power | 22deg. C, 65%RH | DC 3.87V | Liang Jiatong |
| Equivalent Isotropic Radiated Power | 22deg. C, 65%RH | DC 3.87V | Liang Jiatong |
| Frequency Stability | 22deg. C, 65%RH | DC 3.87V | Liang Jiatong |
| Occupied Bandwidth | 22deg. C, 65%RH | DC 3.87V | Liang Jiatong |
| Band Edge Compliance | 22deg. C, 65%RH | DC 3.87V | Liang Jiatong |
| Conducted Spurious Emission | 22deg. C, 65%RH | DC 3.87V | Liang Jiatong |
| Radiates Spurious Emission | 23deg. C, 63%RH | DC 3.87V | Liu Yuan |
| Peak-to-Average Power Ratio | 22deg. C, 65%RH | DC 3.87V | Liang Jiatong |



2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

FCC 47 CFR PART 2

FCC 47 CFR PART 27

KDB 971168 D01 POWER MEAS LICENSE DIGITAL SYSTEMS V03R01

ANSI/TIA-603-E

ANSI C63.26-2015

ANSI C63.4-2014

Note: All test items have been performed and recorded as per the above standards

2.6 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Support Equipment | | | | | | | |
|-------------------|-------------|-------------------|-------------|----------------------|--------------------|----------------|-------------|
| NO | Description | Brand | Model No. | | Serial Number | Supplied by | |
| 1 | N/A | N/A | N/A | | N/A | N/A | |
| Support Cable | | | | | | | |
| NO | Description | Quantity (Number) | Length (cm) | Detachable (Yes/ No) | Shielded (Yes/ No) | Cores (Number) | Supplied by |
| 1 | USB | 1 | 1 | Yes | NO | N/A | Lab |

**2.7 LIST OF TEST AND MEASUREMENT INSTRUMENTS**

| Equipment | Manufacturer | Model No. | Serial Number | Cal. interval | Cal. Due |
|------------------------------------------|---------------|--------------------|---------------|---------------|-----------|
| Antenna Port Conducted Test | | | | | |
| Signal&Spectrum Analyzer | Rohde&Schwarz | FSV 30 | 104408 | 1 year | 2025.5.22 |
| #4Shielding room | MORI | 443 | N/A | 3 year | 2026.5.16 |
| Wideband radio communication tester | Rohde&Schwarz | CMW 500 | 168588 | 1 year | 2025.5.24 |
| Analog signal Generator(100kHz~12.75GHz) | Rohde&Schwarz | SMB 100A | 181882 | 1 year | 2025.4.27 |
| Vector signal Generator(8kHz~6GHz) | Rohde&Schwarz | SMBV 100B | 101846 | 1 year | 2025.4.28 |
| DC power supply | Rohde&Schwarz | HMC8041-G | 101203 | 1 year | 2025.4.29 |
| RF control unit(2/3/4/5G) | Tonscend | JS0806-1 | CS0300027 | 1 year | 2025.4.28 |
| Automatic filter bank(2/3/4G) | Tonscend | JS0806-F | CS0300028 | 1 year | 2025.4.28 |
| Automatic filter bank(5G) | Tonscend | JS0806-F-5G NR | N/A | 1 year | 2025.4.28 |
| Temperature and humidity meter | UNI-T | A10T | C193561464 | 1 year | 2025.4.27 |
| Radio Communication Analyzer | Anritsu | MT8821C | 6272374548 | 1 year | 2026.1.07 |
| Constant temperature humidity chamber | TEELONG | TL-HW-225B | 20220518-01 | 1 year | 2025.5.24 |
| Radio Communication Test Station | Anritsu | MT8000A | 6272354169 | 1 year | 2026.1.07 |
| Equipment | Manufacturer | Model No. | Serial Number | Cal. interval | Cal. Due |
| Radiation Spurious(1GHz-40GHz) | | | | | |
| Signal&Spectrum Analyzer | Rohde&Schwarz | FSV 40 | 101898 | 1 year | 2025.4.27 |
| EMI Test Receiver | Rohde&Schwarz | ESR3 | 102693 | 1 year | 2025.5.24 |
| Antenna(30MHz~1001MHz) | SCHWARZBECK | VULB 9168 | 1133 | 1 year | 2026.1.22 |
| Horn antenna(1GHz-18GHz) | ETS | 3117 | 227611 | 1 year | 2026.3.28 |
| Horn antenna(18GHz-40GHz) | QMS | QMS-00880 | 22051 | 1 year | 2026.3.21 |
| 3m anechoic chamber | MORI | 966 | CS0300011 | 3 year | 2026.5.18 |
| Filter group(RSE-BT/WiFi) | Rohde&Schwarz | WiFi /BT Variant 1 | 100820 | 1 year | 2025.4.28 |
| Filter group(RSE-Cellular) | Rohde&Schwarz | Cellular Variant 1 | 100768 | 1 year | 2025.4.28 |
| Preamplifier(1GHz-18GHz) | Rohde&Schwarz | SCU-18F | 100801 | 1 year | 2025.4.28 |
| Preamplifier(18GHz-40GHz) | Rohde&Schwarz | SCU40A | 101209 | 1 year | 2025.4.28 |
| #2 control room | MORI | 433 | CS0300028 | 3 year | 2026.5.16 |
| Temperature and humidity meter | / | C193561517 | C193561517 | 1 year | 2025.4.28 |
| Radiation Spurious(Below 1GHz) | | | | | |
| EMI Test Receiver | Rohde&Schwarz | ESR 26 | 101718 | 1 year | 2025/5/24 |
| Antenna(30MHz~1000MHz) | SCHWARZBECK | VULB 9168 | 1510 | 1 year | 2026/1/12 |
| 3m anechoic chamber | MORI | 966 | CS0200019 | 3 year | 2026/5/18 |
| LISN (single-phase) | Rohde&Schwarz | ESH3-Z6 | 102152/102156 | 1 year | 2025/4/27 |
| Preamplifier(10kHz-1GHz) | Rohde&Schwarz | SCU-01F | 100298 | 1 year | 2025/4/28 |
| Conducted Emission | | | | | |
| EMI Test Receiver | Rohde&Schwarz | ESR3 | 102693 | 1 year | 2025.5.24 |
| limiter (10 dB) | Rohde&Schwarz | ESH3-Z2 | 102824 | 1 year | 2025.5.15 |
| ISN network | Rohde&Schwarz | ENV 81 | 100401 | 1 year | 2025.4.28 |
| ISN network | Rohde&Schwarz | ENV 81 Cat6 | 101896 | 1 year | 2025.4.28 |
| #1Shielding room | MORI | 854 | N/A | 3 year | 2026.5.16 |
| LISN | SCHWARZBECK | NSLK 8129 | 5021 | 1 year | 2025.4.27 |
| Temperature and humidity meter | / | C193561430 | C193561430 | 1 year | 2025.4.27 |
| EMI Test Receiver | Rohde&Schwarz | ESR3 | 102693 | 1 year | 2025.5.24 |



2.8 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| MEASUREMENT | UNCERTAINTY |
|-----------------------------------|-----------------------|
| Maximum Peak Output Power | $\pm 0.9\text{dB}$ |
| Frequency Stability | $\pm 76.97\text{Hz}$ |
| Radiated emissions (30MHz~1GHz) | $\pm 5.0\text{dB}$ |
| Radiated emissions (1GHz ~18GHz) | $\pm 4.8\text{dB}$ |
| Radiated emissions (18GHz ~40GHz) | $\pm 5.1\text{dB}$ |
| Conducted emissions | $\pm 2.7\text{dB}$ |
| Occupied Channel Bandwidth | $\pm 43.58\text{KHz}$ |
| Band Edge Measurements | $\pm 2.7\text{dB}$ |
| Peak to average ratio | $\pm 0.76\text{dB}$ |

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

2.9 TEST LOCATION

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology (Shenzhen) Co., Ltd.

Lab Address: No. 1301-14&16, Guanguang Road, Xinlan Community, Guanlan Subdistrict, Longhua District, Shenzhen, Guangdong, China

Post Code: 518110 Tel: 0755-23763060-8805

Fax: 0755-23763060 E-mail: sz-kf@cvc.org.cn

FCC(Test firm designation number: CN1363)

IC(Test firm CAB identifier number: CN0137)

CNAS(Test firm designation number: L16091)



3 TEST TYPES AND DESCRIPTION

3.1 RADIATED EMISSION MEASUREMENT

3.1.1 TEST PROCEDURES

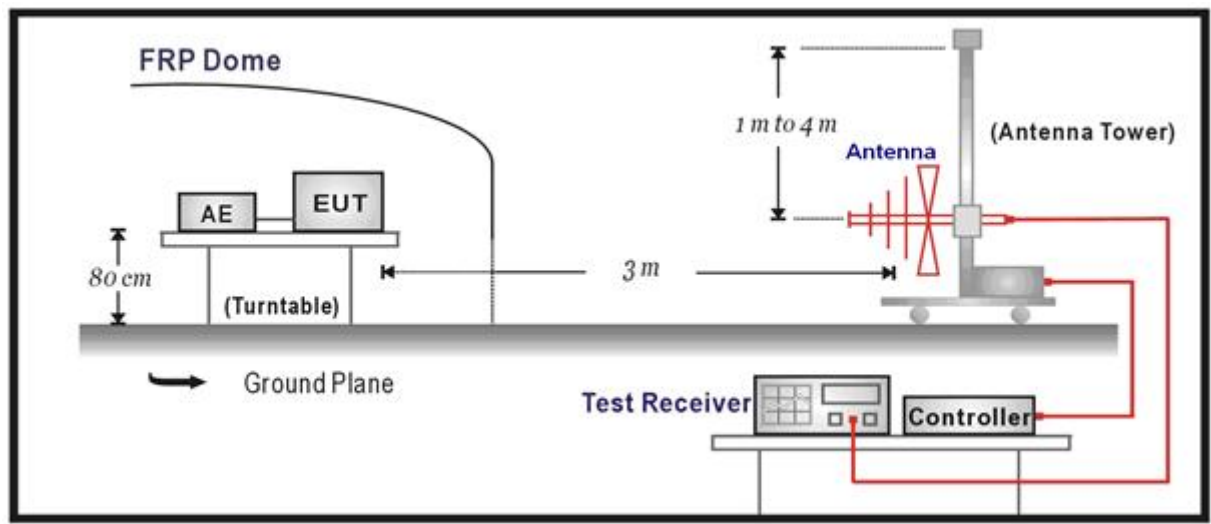
- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 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. $EIRP(dBm) = S.G.POWER - TX \text{ cable loss} + \text{Antenna gain}.$
- d. $E.R.P(dBm) = E.I.P.R - 2.15dB_i.$

NOTE:

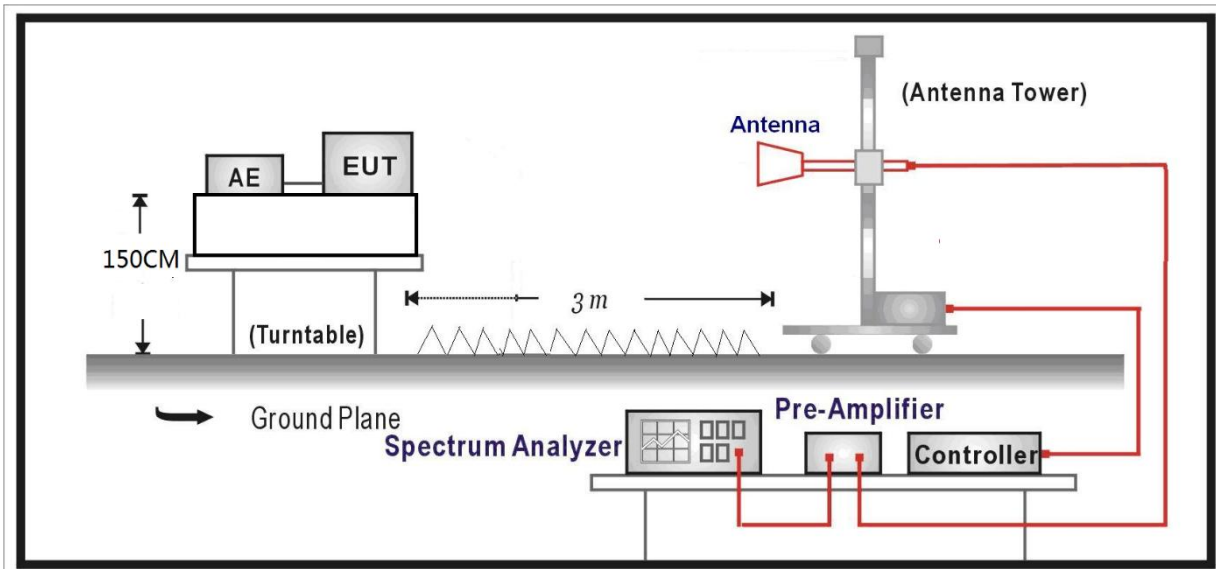
- 1.The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.
- 2.Only the worst case was shown in test report

3.1.2 TEST SETUP

Below 1GHz Test Setup:



Above 1GHz Test Setup:



Note: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).



3.1.3 TEST RESULTS

| Test Mode | | NR N71-SCS_15kHz-BW_15MHz-DFT-PI2BPSK-1RB-low channel | | | | | |
|------------|----------------|-------------------------------------------------------|----------------|----------------|----------------|----------------|--------------|
| Horizontal | | | | | | | |
| NO. | Freq. [MHz] | Reading [dBm] | Level [dBm] | Limit [dBm] | Margin [dB] | Factor [dB] | Angle [°] |
| 1 | 64.989 | -98.57 | -71.49 | -36.00 | 35.49 | 27.08 | 115 |
| 2 | 355.28 | -99.65 | -73.04 | -36.00 | 37.04 | 26.61 | 297 |
| 3 | 2014.5029 | -60.11 | -36.76 | -30.00 | 6.76 | 23.35 | 175 |
| 4 | 2569.52 | -74.96 | -49.57 | -30.00 | 19.57 | 25.39 | 71 |
| 5 | 5569.38 | -62.63 | -40.40 | -30.00 | 10.40 | 22.23 | 233 |
| 6 | 11220.435 | -79.95 | -53.63 | -30.00 | 23.63 | 26.32 | 132 |
| Vertical | | | | | | | |
| NO. | Freq. [MHz] | Reading [dBm] | Level [dBm] | Limit [dBm] | Margin [dB] | Factor [dB] | Angle [°] |
| 1 | 64.989 | -94.27 | -68.60 | -36.00 | 32.60 | 25.67 | 114 |
| 2 | 270.215 | -99.56 | -74.25 | -36.00 | 38.25 | 25.31 | 296 |
| 3 | 1343.3687 | -71.44 | -55.03 | -30.00 | 25.03 | 16.41 | 176 |
| 4 | 2014.2829 | -58.06 | -37.10 | -30.00 | 7.10 | 20.96 | 0 |
| 5 | 5228.16 | -62.15 | -41.15 | -30.00 | 11.15 | 21.00 | 295 |
| 6 | 11884.995 | -79.94 | -52.08 | -30.00 | 22.08 | 27.86 | 191 |



3.2 OUT POWER MEASUREMENT

3.2.1 TEST PROCEDURES

Subclause 5.6 of Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$ERP = PT + GT - LC$, $ERP = EIRP - 2.15dB_i$, where

PT = transmitter output power dBm;

GT = gain of the transmitting antenna dBi;

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

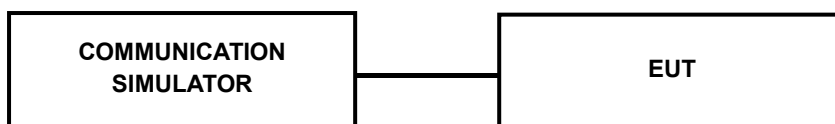
CONDUCTED POWER MEASUREMENT:

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.

3.2.2 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



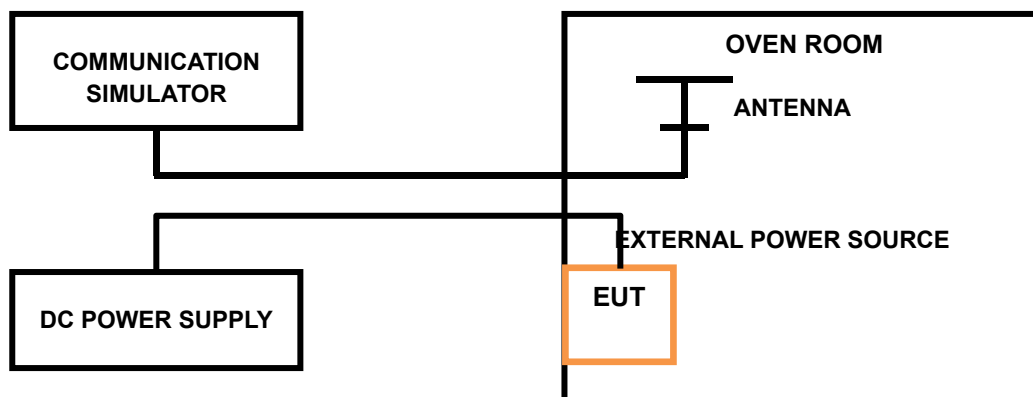
3.3 FREQUENCY STABILITY

3.3.1 TEST PROCEDURE

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.3.2 TEST SETUP

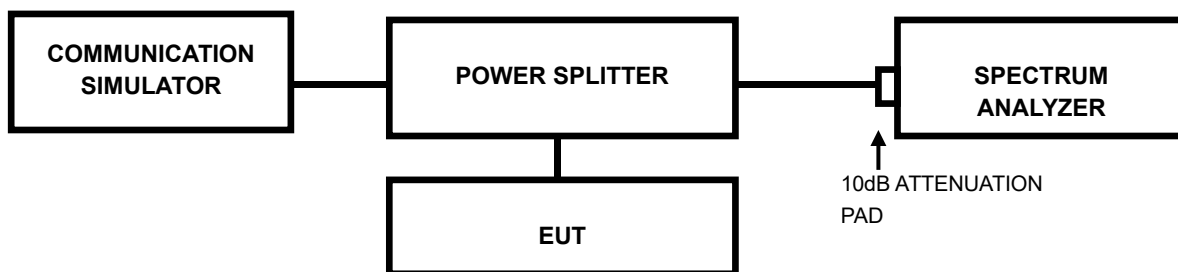


3.4 OCCUPIED BANDWIDTH MEASUREMENT

3.4.1 TEST PROCEDURES

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.4.2 TEST SETUP



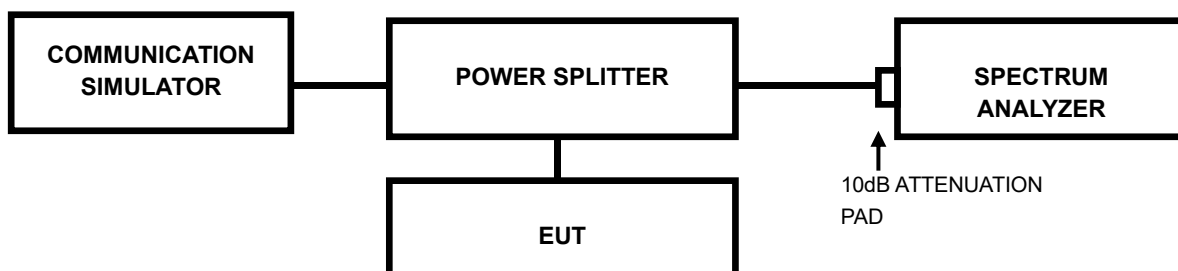


3.5 BAND EDGE MEASUREMENT

3.5.1 TEST PROCEDURES

- a. All measurements were done at low and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 30kHz and VBW of the spectrum is 100kHz. (LTE bandwidth 1.4MHz).
- c. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 30kHz and VBW of the spectrum is 100kHz. (LTE bandwidth 3MHz).
- d. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz. (LTE bandwidth 5MHz).
- e. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz. (LTE bandwidth 10MHz).
- f. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 200kHz and VBW of the spectrum is 600kHz. (LTE bandwidth 15MHz).
- g. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 300kHz and VBW of the spectrum is 1000kHz. (LTE bandwidth 20MHz).
- h. Set the spectrum with RMS detector.
- i. Record the AVG trace plot into the test report.

3.5.2 TEST SETUP

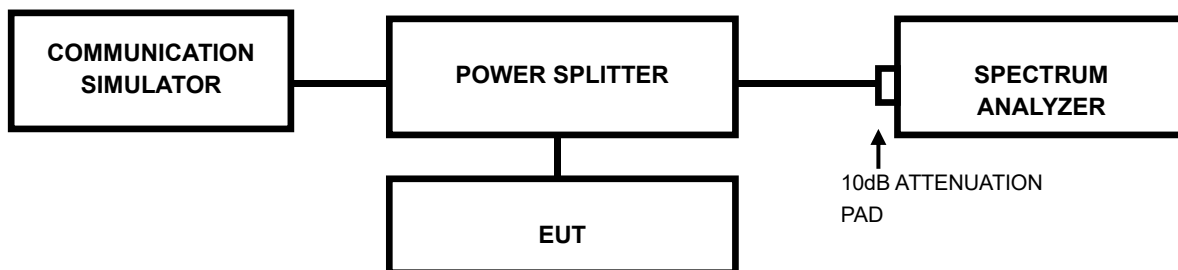


3.6 CONDUCTED SPURIOUS EMISSIONS

3.6.1 TEST PROCEDURE

- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- b. Measuring frequency range is from 30 MHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.6.2 TEST SETUP

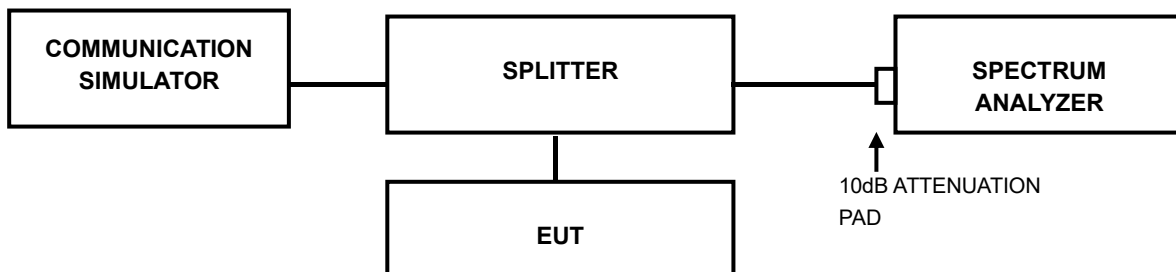


3.7 PEAK TO AVERAGE RATIO

3.7.1 TEST PROCEDURES

1. Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.7.2 TEST SETUP





4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Setup Photo).



5 PHOTOGRAPHS OF THE EUT

Please refer to the attached file (External Photos report and Internal Photos).



Important

- (1) The test report is invalid without the official stamp of CVC;
- (2) Any part photocopies of the test report are forbidden without the written permission from CVC;
- (3) The test report is invalid without the signatures of Approval and Reviewer;
- (4) The test report is invalid if altered;
- (5) Objections to the test report must be submitted to CVC within 15 days.
- (6) Generally, commission test is responsible for the tested samples only.
- (7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

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