



FCC RF Test Report

APPLICANT : NOTHING TECHNOLOGY LIMITED
EQUIPMENT : Smart Phone
BRAND NAME : NOTHING
MODEL NAME : A059P
FCC ID : 2AZEQ-24111
STANDARD : 47 CFR Part 96
CLASSIFICATION : Citizens Band End User Devices (CBE)
EQUIPMENT TYPE : End User Equipment
TEST DATE(S) : Nov. 27, 2024

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.



Approved by: Jason Jia

Sportun International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China



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Appendix A. Test Results of Radiated Test**Appendix B. Test Setup Photographs**



History of this test report



Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|-------------------|----------------------------|--------------------|---|
| 3.4 | §2.1051 §96.41 | Radiated Spurious Emission | Pass | Under limit 9.25 dB at 14464.00 MHz |

Note: This is a variant report for A059P the change note could be referred to the product equality declaration which is exhibit separately. According to the change, only the related test cases of RSE from original test report (Sportun Report Number FG490417D) were verified for the differences.

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

NOTHING TECHNOLOGY LIMITED

Bedford House, 21A John Street, London, United Kingdom WC1N 2BF

1.2 Manufacturer

NOTHING TECHNOLOGY LIMITED

Bedford House, 21A John Street, London, United Kingdom WC1N 2BF

1.3 Feature of Equipment Under Test

| Product Feature | |
|--------------------|--|
| Equipment | Smart Phone |
| Brand Name | NOTHING |
| Model Name | A059P |
| FCC ID | 2AZEQ-24111 |
| Tx Frequency | LTE Band 48: 3550 MHz ~ 3700 MHz |
| Rx Frequency | LTE Band 48: 3550 MHz ~ 3700 MHz |
| Bandwidth | 5MHz / 10MHz / 15MHz / 20MHz |
| Type of Modulation | QPSK / 16QAM / 64QAM |
| IMEI Code | Radiation: 353458700043584/353458700043592 |
| HW Version | 24111 Pro |
| SW Version | Nothing OS 3.1 |
| EUT Stage | Identical Prototype |

1.4 Testing Site

Sportun International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

| | | | |
|--------------------|---|---------------------|--------------------------------|
| Test Firm | Sportun International Inc. (ShenZhen) | | |
| Test Site Location | 101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985 | | |
| Test Site No. | Sportun Site No. | FCC Designation No. | FCC Test Firm Registration No. |
| | 03CH01-SZ | CN1256 | 421272 |

1.5 Test Software

| Item | Site | Manufacture | Name | Version |
|------|------|-------------|------|---------|
|------|------|-------------|------|---------|



| | | | | |
|----|-----------|-------|----|-------------|
| 1. | 03CH01-SZ | AUDIX | E3 | 6.2009-8-24 |
|----|-----------|-------|----|-------------|

1.6 Applied Standards

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

- ♦ ANSI C63.26-2015
- ♦ 47 CFR Part 96
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 940660 D01 Part 96 CBRS v03
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

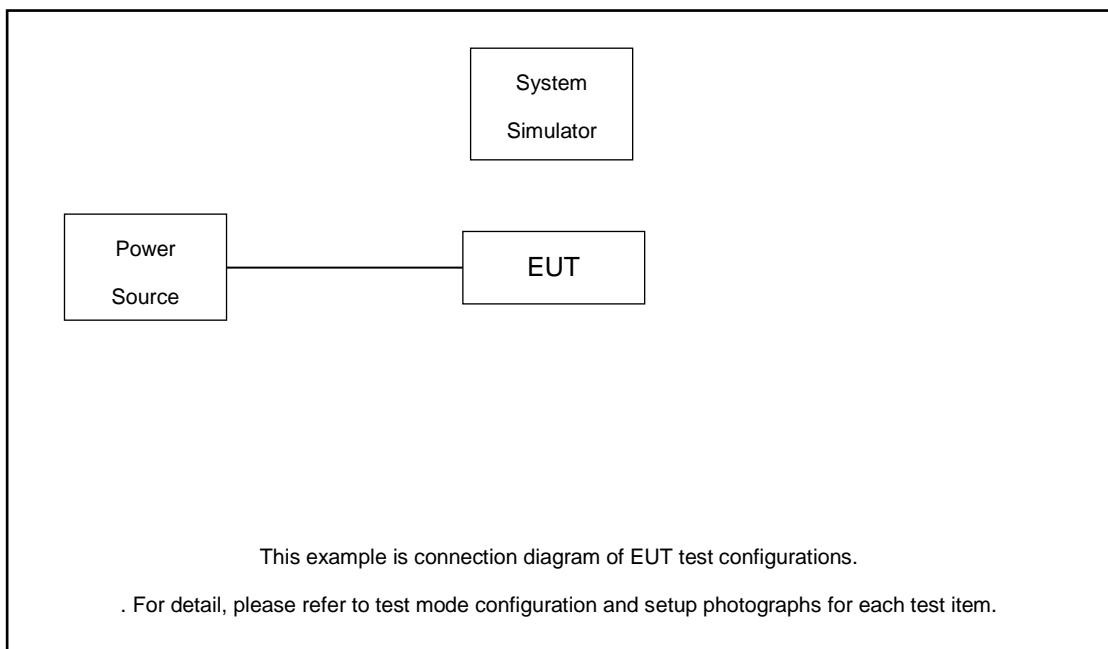
Antenna port conducted and radiated test items listed below are performed according to KDB 971168

D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report.

| Test Items | Band | Bandwidth (MHz) | | | | | | Modulation | | | RB # | | | Test Channel | | |
|----------------------------|------|-----------------|--|---|----|----|----|------------|-------|-------|------|------|------|--------------|---|---|
| | | 1.4 | 3 | 5 | 10 | 15 | 20 | QPSK | 16QAM | 64QAM | 1 | Half | Full | L | M | H |
| Radiated Spurious Emission | 48 | Worst Case | | | | | | | | | | | | | v | |
| Remark | | 1. | The mark "v" means that this configuration is chosen for testing | | | | | | | | | | | | | |

2.2 Connection Diagram of Test System





2.3 Support Unit used in test configuration

| Item | Equipment | Trade Name | Model No. | FCC ID | Data Cable | Power Cord |
|------|------------------|------------|-----------|--------|------------|-------------------|
| 1. | LTE Base Station | Anritsu | MT8821C | N/A | N/A | Unshielded, 1.8 m |

2.4 Frequency List of Low/Middle/High Channels

| LTE Band 48 Channel and Frequency List | | | | | |
|--|------------------------|--|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | | Lowest | Middle | Highest |
| 20 | Channel | | 55340 | 55990 | 56640 |
| | Frequency | | 3560.0 | 3625.0 | 3690.0 |
| 15 | Channel | | 55315 | 55990 | 56665 |
| | Frequency | | 3557.5 | 3625.0 | 3692.5 |
| 10 | Channel | | 55290 | 55990 | 56690 |
| | Frequency | | 3555.0 | 3625.0 | 3695.0 |
| 5 | Channel | | 55265 | 55990 | 56715 |
| | Frequency | | 3552.5 | 3625.0 | 3697.5 |

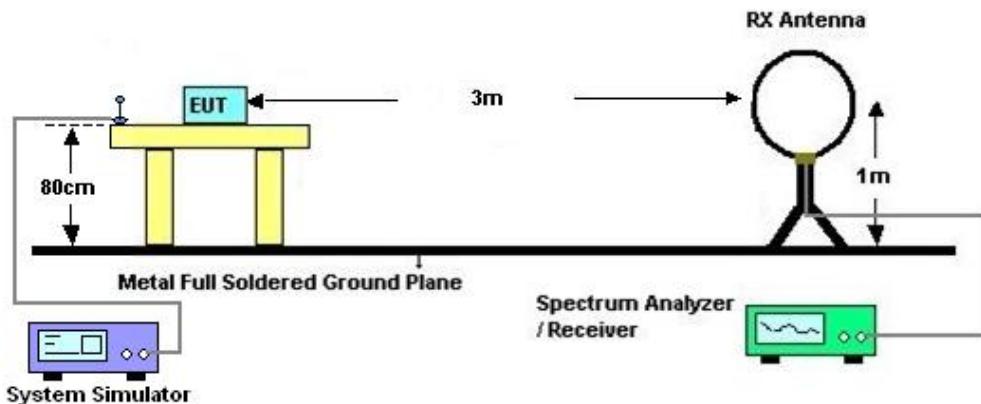
3 Radiated Test Items

3.1 Measuring Instruments

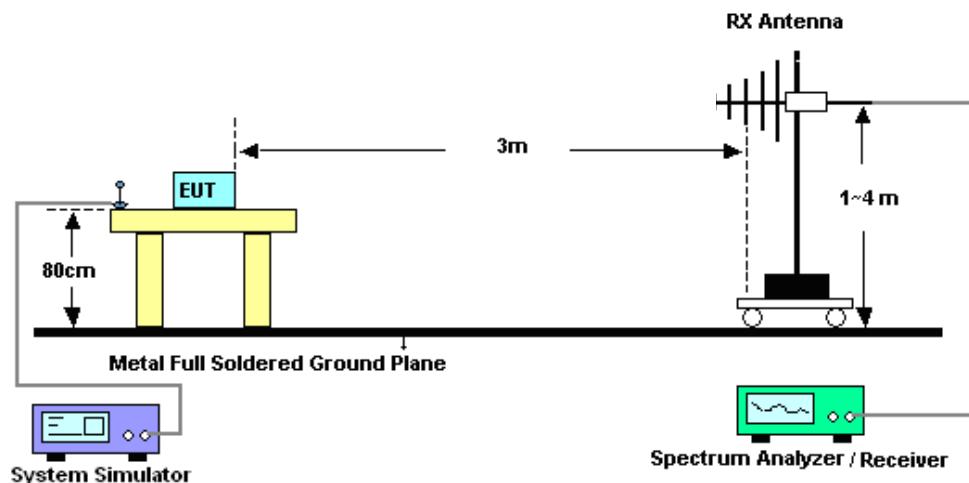
See list of measuring instruments of this test report.

3.2 Test Setup

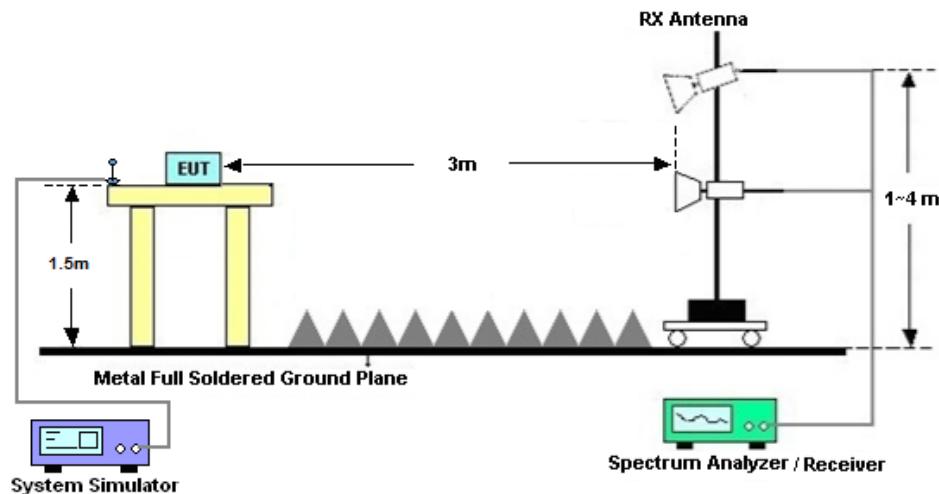
3.2.1 For radiated test below 30MHz



3.2.2 For radiated test from 30MHz to 1GHz



3.2.3 For radiated test above 1GHz



3.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.



3.4 Radiated Spurious Emission

3.4.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26-2015.

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least -40dBm / MHz.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.4.2 Test Procedures

1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
ERP (dBm) = EIRP - 2.15
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is -40dBm/MHz



4 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---------------------------|--------------|----------------------------------|------------------|-----------------|------------------|---------------|---------------|-----------------------|
| EMI Test Receiver&SA | Agilent | N9038A | MY52260185 | 20Hz~26.5GHz | Dec. 27, 2023 | Nov. 27, 2024 | Dec. 26, 2024 | Radiation (03CH01-SZ) |
| Loop Antenna | R&S | HFH2-Z2E | 101141 | 9kHz~30MHz | Dec. 29, 2023 | Nov. 27, 2024 | Dec. 28, 2024 | Radiation (03CH01-SZ) |
| Bilog Antenna | TeseQ | CBL6112D | 35407 | 30MHz~2GHz | Oct. 24, 2023 | Nov. 27, 2024 | Oct. 23, 2025 | Radiation (03CH01-SZ) |
| Double Ridge Horn Antenna | ETS-Lindgren | 3117 | 00119436 | 1GHz~18GHz | Jul. 04, 2024 | Nov. 27, 2024 | Jul. 03, 2025 | Radiation (03CH01-SZ) |
| SHF-EHF Horn | com-power | AH-840 | 101071 | 18Ghz~40GHz | Apr. 09, 2024 | Nov. 27, 2024 | Apr. 08, 2025 | Radiation (03CH01-SZ) |
| LF Amplifier | Burgeon | BPA-530 | 102209 | 0.01~3000Mhz | Apr. 09, 2024 | Nov. 27, 2024 | Apr. 08, 2025 | Radiation (03CH01-SZ) |
| HF Amplifier | MITEQ | AMF-7D-00 101800-30-1 0P-R | 1943528 | 1GHz~18GHz | Oct. 14, 2024 | Nov. 27, 2024 | Oct. 13, 2025 | Radiation (03CH01-SZ) |
| HF Amplifier | MITEQ | TTA1840-35 -HG | 1871923 | 18GHz~40GHz | Jul. 03, 2024 | Nov. 27, 2024 | Jul. 02, 2025 | Radiation (03CH01-SZ) |
| AC Power Source | Chroma | 61601 | 61601000198 5 | N/A | Oct. 14, 2024 | Nov. 27, 2024 | Oct. 13, 2025 | Radiation (03CH01-SZ) |
| Turn Table | EM | EM1000 | N/A | 0~360 degree | NCR | Nov. 27, 2024 | NCR | Radiation (03CH01-SZ) |
| Antenna Mast | EM | EM1000 | N/A | 1 m~4 m | NCR | Nov. 27, 2024 | NCR | Radiation (03CH01-SZ) |

NCR: No Calibration Required



5 Measurement Uncertainty

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 2.48dB |
|---|--------|

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 3.53dB |
|---|--------|

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 4.02dB |
|---|--------|

----- THE END -----



Appendix A. Test Results of Radiated Test

Radiated Spurious Emission

| | | | |
|-----------------|----------------|---------------------|---------|
| Test Engineer : | LiangPing Zhou | Temperature : | 22~25°C |
| | | Relative Humidity : | 48~52% |

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

| LTE Band 48 / 20MHz / QPSK / Ant.4 | | | | | | | | | |
|------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 7232.00 | -61.02 | -40 | -21.02 | -54.69 | -64.32 | 8.30 | 11.60 | H |
| | 10848.00 | -54.35 | -40 | -14.35 | -54.60 | -55.87 | 10.48 | 12.00 | H |
| | 14464.00 | -49.25 | -40 | -9.25 | -55.52 | -50.95 | 11.80 | 13.50 | H |
| | 7232.00 | -60.69 | -40 | -20.69 | -54.67 | -63.99 | 8.30 | 11.60 | V |
| | 10848.00 | -56.18 | -40 | -16.18 | -56.06 | -57.70 | 10.48 | 12.00 | V |
| | 14464.00 | -49.94 | -40 | -9.94 | -55.63 | -51.64 | 11.80 | 13.50 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.