

JianYan Testing Group Shenzhen Co., Ltd.

Report No: JYTSZB-R12-2101661

FCC REPORT

Applicant: Shenzhen Coosea Group Company Limited

Address of Applicant: Room B, 18th Floor, Building A, Fintech Building, No.11

Keyuan Road, Yuehai Street, Nanshan District, Shenzhen,

China.

Equipment Under Test (EUT)

Product Name: Mobile phone

Model No.: ZEEKER P10

Trade mark: ZEEKER

FCC ID: 2A2GN-P10

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.225

Date of sample receipt: 27 Aug., 2021

Date of Test: 28 Aug., to 16 Sep., 2021

Date of report issue: 18 Sep., 2021

Test Result: PASS*

Authorized Signature:



Bruce Zhang

Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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^{*} In the configuration tested, the EUT complied with the standards specified above.





Version

| Version No. | Date | Description |
|-------------|---------------|-------------|
| 00 | 18 Sep., 2021 | Original |
| | | |
| | | |
| | | |
| | | |

Tested by:

Test Engineer

Reviewed by:

Project Engineer

Date: 18 Sep., 2021

Date: 18 Sep., 2021 Date: 18 Sep., 2021





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Test Summary

| Test Item | Section in CFR 47 | Result |
|--|-------------------|--------|
| Antenna requirement | 15.203 | Pass |
| Field strength of the fundamental signal | 15.225 (a) | Pass |
| Spurious emissions | 15.225(d)& 15.209 | Pass |
| 20dB Bandwidth | 15.215(c) | Pass |
| Frequency tolerance | 15.225 (e) | Pass |
| Conducted Emission | 15.207 | Pass |

Remark:

- Pass: The EUT complies with the essential requirements in the standard.
- The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer)

ANSI C63.4-2014 Test Method: ANSI C63.10-2013

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5 General Information

5.1 Client Information

| Applicant: | Shenzhen Coosea Group Company Limited | |
|--|--|--|
| Address: | Room B, 18th Floor, Building A, Fintech Building, No.11 Keyuan Road, Yuehai Street, Nanshan District, Shenzhen, China. | |
| Manufacturer: Sichuan Koobee Communication Equipment Co., Ltd. | | |
| Address: | 3 Floor, Building 2, 69 Gangyuan Road West Section, Lingang Development Zone, Yibin City, Sichuan Province | |
| Factory: | Sichuan Koobee Communication Equipment Co., Ltd. | |
| Address: | 3 Floor, Building 2, 69 Gangyuan Road West Section, Lingang Development Zone, Yibin City, Sichuan Province | |

5.2 General Description of E.U.T.

| • | |
|------------------------|---|
| Product Name: | Mobile phone |
| Model No.: | ZEEKER P10 |
| Operation Frequency: | 13.56MHz |
| Channel numbers: | 1 |
| Modulation type: | ASK |
| Antenna Type: | Induction Coil Antenna |
| Power supply: | Rechargeable Li-ion Polymer Battery DC3.85V, 5900mAh |
| AC adapter: | Model: UF22P03 |
| | Input: AC100-240V, 50/60Hz, 0.5A |
| | Output: 5.0V === 3.0A, or 9.0V === 2.0A, or 12.0V === 1.5A |
| Test Sample Condition: | The test samples were provided in good working order with no visible defects. |

5.3 Test mode

| Transmitting mode: | Keep the EUT in transmitting mode with modulation | | | | | |
|--|---|--|--|--|--|--|
| Pre-Test Mode: | | | | | | |
| CCIS has verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows: | | | | | | |
| Axis X Y Z | | | | | | |
| Field Strength(dBuV/m) 58.47 61.85 55.16 | | | | | | |
| Final Test Mode: | | | | | | |
| | | | | | | |

According to ANSI C63.4 standards, the test results are both the "worst case" and "worst setup": Y axis (see the test setup photo).

5.4 Description of Support Units

| Manufacturer | Description | Model | Serial Number | FCC ID/DoC |
|--------------|-------------|-------|---------------|------------|
| No | | | | |



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5.5 Measurement Uncertainty

| Parameter | Expanded Uncertainty (Confidence of 95%) |
|--|--|
| Conducted Emission (9kHz ~ 150KHz) for V-AMN | 3.11 dB |
| Conducted Emission (150kHz ~ 30MHz) for V-AMN | 2.62 dB |
| Conducted Emission (150kHz ~ 30MHz) for AAN | 3.54 dB |
| Radiated Emission (9kHz ~ 30MHz electric field) for 3m SAC | 3.13 dB |
| Radiated Emission (9kHz ~ 30MHz magnetic field) for 3m SAC | 3.13 dB |
| Radiated Emission (30MHz ~ 1GHz) for 3m SAC | 4.45 dB |

5.6 Additions to, deviations, or exclusions from the method

Nc

5.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Designation No.: CN1211

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

• ISED - CAB identifier.: CN0021

The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

5.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xingiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: http://www.ccis-cb.com





5.9 Test Instruments list

| Radiated Emission: | | | | | | |
|----------------------------|-----------------|-----------------|-----------------|------------------------|----------------------------|--|
| Test Equipment | Manufacturer | Model No. | Serial No. | Cal.Date (mm-dd-yy) | Cal.Due date (mm-dd-yy) | |
| 3m SAC | ETS | RFD-100 | Q1984 | 04-14-2021 | 04-13-2024 | |
| Loop Antenna | SCHWARZBECK | FMZB 1519 B | 1519B-044 | 03-07-2021 | 03-06-2022 | |
| BiConiLog Antenna | SCHWARZBECK | VULB9163 | 9163-1246 | 03-07-2021 | 03-06-2022 | |
| Biconical Antenna | SCHWARZBECK | VUBA 9117 | 9117#359 | 06-17-2021 | 06-17-2022 | |
| Horn Antenna | SCHWARZBECK | BBHA9120D | 912D-916 | 03-07-2021 | 03-06-2022 | |
| Broad-Band Horn Antenna | SCHWARZBECK | BBHA9170 | 1067 | 04-02-2021 | 04-01-2022 | |
| Broad-Band Horn Antenna | SCHWARZBECK | BBHA9170 | 1068 | 04-02-2021 | 04-01-2022 | |
| EMI Test Receiver | Rohde & Schwarz | ESRP7 | 101070 | 03-03-2021 | 03-02-2022 | |
| Spectrum analyzer | Rohde & Schwarz | FSP30 | 101454 | 03-03-2021 | 03-02-2022 | |
| Spectrum analyzer | Keysight | N9010B | MY60240202 | 11-27-2020 | 11-26-2021 | |
| Low Pre-amplifier | SCHWARZBECK | BBV9743B | 00305 | 03-07-2021 | 03-06-2022 | |
| High Pre-amplifier | SKET | LNPA_0118G-50 | MF280208233 | 03-07-2021 | 03-06-2022 | |
| Cable | Qualwave | JYT3M-1G-NN-8M | JYT3M-1 | 03-07-2021 | 03-06-2022 | |
| Cable | Qualwave | JYT3M-18G-NN-8M | JYT3M-2 | 03-07-2021 | 03-06-2022 | |
| Cable | Qualwave | JYT3M-1G-BB-5M | JYT3M-3 | 03-07-2021 | 03-06-2022 | |
| Cable | Bost | JYT3M-40G-SS-8M | JYT3M-4 | 04-02-2021 | 04-01-2022 | |
| EMI Test Software | Tonscend | TS+ | Version:3.0.0.1 | | | |

| Conducted Emission: | | | | | | | |
|---------------------|-----------------|-------------------|--------------------|-------------------------|-----------------------------|--|--|
| Test Equipment | Manufacturer | acturer Model No. | | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) | | |
| EMI Test Receiver | Rohde & Schwarz | ESCI 3 | 101189 | 03-03-2021 | 03-02-2022 | | |
| LISN | Rohde & Schwarz | ENV432 | 101602 | 04-06-2021 | 04-05-2022 | | |
| LISN | Rohde & Schwarz | ESH3-Z5 | 843862/010 | 06-18-2020 | 06-17-2022 | | |
| ISN | Schwarzbeck | CAT3 8158 | #96 | 03-03-2021 | 03-02-2022 | | |
| ISN | Schwarzbeck | CAT5 8158 | #166 | 03-03-2021 | 03-02-2022 | | |
| ISN | Schwarzbeck | NTFM 8158 | #126 | 03-03-2021 | 03-02-2022 | | |
| RF Switch | TOP PRECISION | RSU0301 | N/A | 03-03-2021 | 03-02-2022 | | |
| Cable | Bost | JYTCE-1G-NN-2M | JYTCE-1 | 03-03-2021 | 03-02-2022 | | |
| Cable | Bost | JYTCE-1G-BN-3M | JYTCE-2 | 03-03-2021 | 03-02-2022 | | |
| EMI Test Software | AUDIX | E3 | Version: 6.110919b | | | | |

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Test results and Measurement Data

6.1 Antenna requirement

| Standard requirement: | FCC Part15 C Section 15.203 | | | |
|---|-----------------------------|--|--|--|
| 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by responsible party shall be used with the device. The use of a permanently attached antenna or o antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the un that a broken antenna can be replaced by the user, but the use of a standard antenna jack or elect connector is prohibited. | | | | |
| E.U.T Antenna: | | | | |
| The EUT make use of an Induction coil antenna. | | | | |

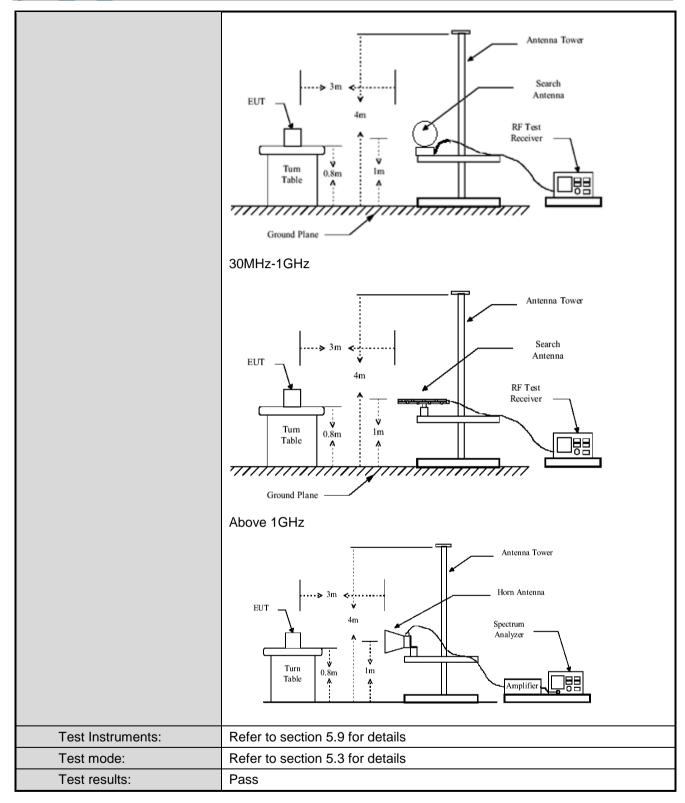
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6.2 Radiated Emission

| 5.2 | Z Natiated Elliission | | | | | | | |
|-----|------------------------|--|------------------------|-----------------------------|------------------|----------------|--|--------------------------------------|
| | Test Requirement: | FCC Part15 C Section 15.225(a) and 15.209 | | | | | | |
| | TestFrequencyRange: | 9 kHz to 1000MHz | | | | | | |
| | Test site: | Measurement Distance: 3m(Semi-Anechoic Chamber) | | | | | | |
| | Receiver setup: | Frequency | Frequency Detector RBW | | RBW | VBW | | Remark |
| | · · | 9kHz-150kHz | Quasi-p | eak | 200Hz | 600Hz | | Quasi-peak Value |
| | | 150kHz-30MHz | Quasi-p | eak | 9kHz | 30 | kHz | Quasi-peak Value |
| | | 30MHz-1GHz | Quasi-p | eak | 120kHz | 300 | OKHz | Quasi-peak Value |
| | | Above 1GHz | Peak | (| 1MHz | 31 | ИHz | Peak Value |
| | Limit: | Frequency | / | Li | mit (uV/m @30r | ı) Limit (dBu\ | | it (dBuV/m @3m) |
| | (Field strength of the | 13.553MHz-13.5 | 67MHz | | 15848 | | | 124.0 |
| | fundamental signal) | 13.410MHz-13.55 13.567MHz-13.7 | | | 334 | | | 90.5 |
| | | 13.110MHz-13.41 13.710MHz-14.0 | | | 106 | | | 80.5 |
| | Limite | than specified, the distance by using 40 dB/decade) in this part. | | | | | | the specified polation factor (i.e., |
| | Limit: | Frequency (M | | | Limit (uV/m @3m) | | | |
| | (Spurious Emissions) | 0.009-0.49 0.490-1.70 | | 2400/F(kHz) 24000/F(kHz) | | | 300 30 | |
| | | | 5 | | | | | |
| | | 1.705-30 30 30-88 100 | | | 100 | | 30 | |
| | | 88-216 | | 150 | | 3 | | |
| | | 216-960 | | | 200 | | 3 | |
| | | | z | 500 | | 3 | | |
| | Test Procedure: | a. The EUT was placed on the top of a rotating table 0.8 meters above the groundat a 3 meter semi-anechoic camber. The table was rotated 360 degrees todetermine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatabletable was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasipeak or average method as specified andthen reported in a data | | | | | able was rotated radiation. re-receiving rheight antenna reters above the strength. Both re set to make the reter to 4 meters 360 degrees to rection and rodB lower than the peak values no that did not ng peak, quasi- | |
| | Test setup: | sheet. 9kHz-30MHz | | | | | | |
| | | OKI IZ OUIVII IZ | | | | | | |



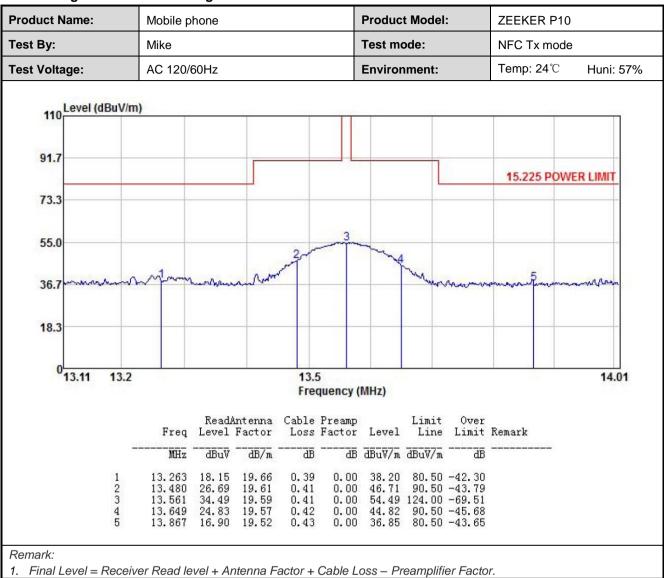






Measurement Data:

Field Strength of fundamental signal:



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| Product Name: | Mobile pl | hone | | Product I | Product Model: ZEEKER P10 | | |
|-----------------------|----------------------------|---|--|--------------------------------------|--|--------------|--|
| Гest By: | Mike | | | Test mod | e: | NFC Tx mode | |
| Test Voltage: | AC 120/6 | 60Hz | | Environm | nent: | Temp: 24°C | Huni: 57% |
| 110 Level (dBu\ | //m) | | | | | | |
| 91.7 | | | | | | 45 005 00111 | |
| 73.3 | | | | | <u> </u> | 15.225 POW | ERLIMIT |
| 55.0 | | | 2 3 | 4 | | | |
| 36.7 | aramana) | mahaman | r | , | Mark Change | | ······································ |
| 18.3 | | | | | | | |
| 0 13.11 13 | i.2 | | 13.5 Frequency | (MHz) | | | 14.01 |
| | Freq | ReadAntenna Level Factor | Cable Pream Loss Facto | p l r Level | Limit Over Line Limit | Remark | |
| | MHz | dBuV dB/m | <u>dB</u> <u>d</u> | B dBuV/m dl | BuV/m dB | | |
| 1 2 3 4 5 | 13.491 13.562 13.640 | 17.80 19.63 30.06 19.61 35.42 19.59 28.13 19.57 17.43 19.52 | 0.40 0.0 0.41 0.0 0.41 0.0 0.42 0.0 0.43 0.0 | 0 50.08 : 0 55.42 1: 0 48.12 : | 80.50 -42.67 90.50 -40.42 24.00 -68.58 90.50 -42.38 80.50 -43.12 | | |

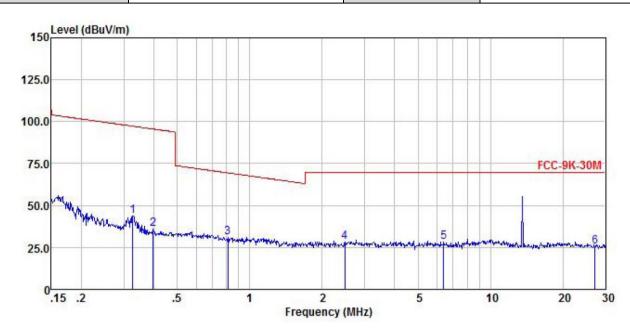




Spurious Emissions:

Test frequency range: 9 kHz- 30 MHz

| Product Name: | Mobile phone | Product Model: | ZEEKER P10 | | |
|-----------------|------------------|----------------|---------------------|--|--|
| Test By: | Mike | Test mode: | NCF Tx mode | | |
| Test Frequency: | 150 kHz ~ 30 MHz | Polarization: | Vertical | | |
| Test Voltage: | AC 120/60Hz | Environment: | Temp: 24℃ Huni: 57% | | |



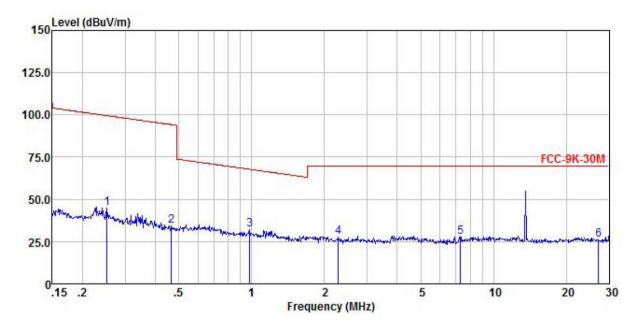
| | Freq | | intenna Factor | | | | Limit Line | Over Limit | Remark |
|--------|--------|-------|-------------------|------------|------|---------------------|---------------|---------------|--------|
| - | MHz | dBu₹ | dB/m | <u>d</u> B | dB | $\overline{dBuV/m}$ | dBu√/m | <u>dB</u> | |
| 1 | 0.327 | 23.18 | 20.59 | 0.06 | 0.00 | 43.83 | 97.32 | -53.49 | Peak |
| 2 | 0.398 | 15.24 | 20.69 | 0.06 | 0.00 | 35.99 | 95.62 | -59.63 | Peak |
| 3 | 0.813 | 10.43 | 20.59 | 0.09 | 0.00 | 31.11 | 69.41 | -38.30 | Peak |
| 4 | 2.487 | 7.39 | 20.42 | 0.20 | 0.00 | 28.01 | 69.50 | -41.49 | Peak |
| 4 5 | 6.386 | 7.58 | 20.10 | 0.32 | 0.00 | 28.00 | 69.50 | -41.50 | Peak |
| 6 | 27.127 | 5.18 | 19.57 | 0.61 | 0.00 | 25.36 | 69.50 | -44.14 | Peak |

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of 9 kHz~150 kHz are background noise and very lower than the limit, not show in test report.



| Product Name: | Mobile phone | Product Model: | ZEEKER P10 |
|-----------------|------------------|----------------|---------------------|
| Test By: | Mike | Test mode: | NFC Tx mode |
| Test Frequency: | 150 kHz ~ 30 MHz | Polarization: | Horizontal |
| Test Voltage: | AC 120/60Hz | Environment: | Temp: 24℃ Huni: 57% |



| | Freq | | intenna Factor | | | | Limit Line | | Remark |
|-----------------------|--------|-------|-------------------|------|------|---------------------|---------------|------------|--------|
| - | MHz | dBu∜ | dB/m | ₫B | dB | $\overline{dBuV/m}$ | dBuV/m | <u>d</u> B | |
| 1 | 0.252 | 24.23 | 20.46 | 0.05 | 0.00 | 44.74 | 99.58 | -54.84 | Peak |
| 2 | 0.466 | 13.28 | 20.77 | 0.07 | 0.00 | 34.12 | 94.23 | -60.11 | Peak |
| 3 | 0.984 | 11.25 | 20.51 | 0.15 | 0.00 | 31.91 | 67.76 | -35.85 | Peak |
| 2 3 4 5 6 | 2.285 | 6.80 | 20.42 | 0.19 | 0.00 | 27.41 | 69.50 | -42.09 | Peak |
| 5 | 7.290 | 7.32 | 20.13 | 0.32 | 0.00 | 27.77 | 69.50 | -41.73 | Peak |
| 6 | 27.127 | 5.62 | 19.57 | 0.61 | 0.00 | 25.80 | 69.50 | -43.70 | Peak |

Remark:

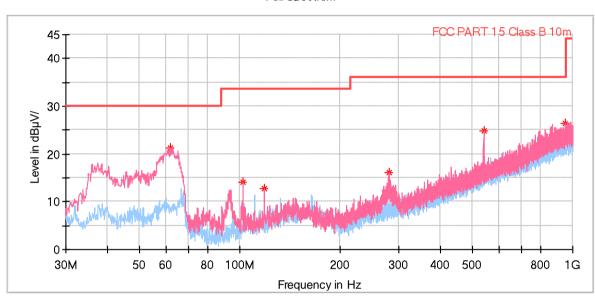
- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of 9 kHz~150 kHz are background noise and very lower than the limit, not show in test report.



Test frequency range: 30MHz-1000MHz

| Product Name: | Mobile phone | Product Model: | ZEEKER P10 | |
|-----------------|----------------|----------------|-----------------------|--|
| Test By: | Mike | Test mode: | NFC Tx mode | |
| Test Frequency: | 30 MHz ~ 1 GHz | Polarization: | Vertical & Horizontal | |
| Test Voltage: | AC 120/60Hz | Environment: | Temp: 24°C Huni: 57% | |





| • | Frequency↓ (MHz)₽ | MaxPeak↓ (dB ₽ V/m)∂ | Limit↓ (dB ዞ V /m)∂ | Margin↓ (dB)∂ | Height↓ (cm)∂ | Pol₽ | Azimuth↓ (deg)∂ | Corr.↓ (dB/m)₽ |
|---|----------------------|-------------------------|-------------------------------|------------------|------------------|------|--------------------|-------------------|
| ₣ | 61.622000₽ | 21.30₽ | 30.00₄3 | 8.70₽ | 100.0₽ | V₽ | 66.0₽ | -16.7₽ |
| • | 101.974000₽ | 14.16↩ | 33.50₽ | 19.34₽ | 100.0₽ | V₄ | 0.0₽ | -18.7₽ |
| • | 118.464000₽ | 12.75₽ | 33.50₽ | 20.75₽ | 100.0₽ | V₽ | 248.0∉ | -17.2₽ |
| • | 279.872000₽ | 16.15₽ | 36.00₽ | 19.85₽ | 100.0₽ | V₽ | 110.0↵ | -14.2↔ |
| F | 540.026000₽ | 24.82₽ | 36.00₽ | 11.18₽ | 100.0₽ | V₽ | 143.0₽ | -8.0₽ |
| | 949.269000₽ | 26.49₽ | 36.00₽ | 9.51₽ | 100.0₽ | V₽ | 49.0↔ | -0.1∂ |

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.

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6.3 20dB Bandwidth

| Test Requirement: | FCC Part15 C Section 15.215 (c) | | | | |
|-------------------|---|--|--|--|--|
| Receiver setup: | RBW=200Hz, VBW=300Hz, detector: Peak | | | | |
| Limit: | The fundamental emission be kept within at least the central 80% of the permitted band | | | | |
| Test Procedure: | According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. Set the EUT to proper test channel. Max hold the radiated emissions, mark the peak power frequency point and the -20dB upper and lower frequency points. Read 20dB bandwidth. | | | | |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane | | | | |
| Test Instruments: | Refer to section 5.9 for details | | | | |
| Test mode: | Refer to section 5.3 for details | | | | |
| Test results: | Passed | | | | |

Measurement Data

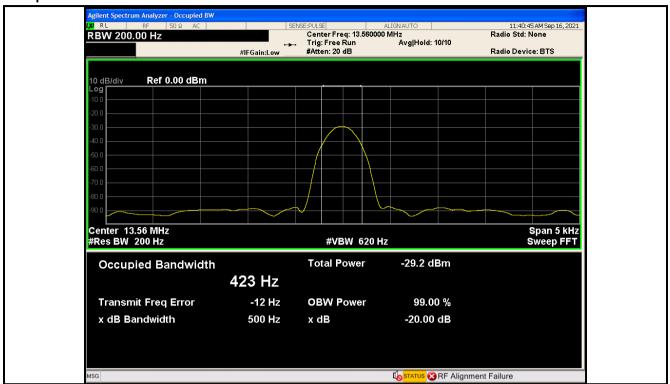
| 20dB bandwidth (kHz) | Limit (kHz) | Results | | | | |
|---|-------------|---------|--|--|--|--|
| 0.500 | 11.2 | Passed | | | | |
| Note: For 13.56MHz, permitted Band is 14 kHz, so the Limit is 11.2 kHz. | | | | | | |

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Test plot as follows:







6.4 Frequency Tolerance

| Test Requirement: | FCC Part15 C Section 15.225 (e) |
|-------------------|---|
| • | ` ' |
| Receiver setup: | RBW=200Hz, VBW=300Hz, span=14kHz, detector: Peak |
| Limit: | ±0.01% of the operating frequency |
| Test mode: | Transmitting mode |
| Test Procedure: | Frequency stability V.S. Temperature measurement The equipment under test was powered by a fresh battery. RF output was connected to spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to −20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached Frequency stability V.S. Voltage measurement Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. Reduce the input voltage to specify extreme voltage variation (+/-15%) and endpoint, record the maximum frequency change. |
| Test setup: | Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane |
| Test Instruments: | Refer to section 5.9 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |
| root roodito. | 1 40004 |

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Measurement Data:

a) Frequency stability V.S. Temperature measurement

| Voltage (Vdc) | Temperature (°C) | Frequency Tolerance (MHz) | Frequency Error (%) | Limit (%) | Results |
|------------------|---------------------|---------------------------|---------------------|--------------|---------|
| | -20 | 0.078 | 0.0041 | ±0.01 | Pass |
| | -10 | 0.085 | 0.0055 | ±0.01 | Pass |
| | 0 | -0.074 | -0.0025 | ±0.01 | Pass |
| 3.85 | +10 | 0.079 | 0.0061 | ±0.01 | Pass |
| 3.00 | +20 | -0.066 | -0.0019 | ±0.01 | Pass |
| | +30 | 0.084 | 0.0046 | ±0.01 | Pass |
| | +40 | 0.067 | 0.0042 | ±0.01 | Pass |
| | +50 | -0.036 | -0.0024 | ±0.01 | Pass |

b) Frequency stability V.S. Voltage measurement

| Temperature (°C) | Voltage (Vdc) | Frequency Tolerance (MHz) | Frequency Error (%) | Limit (%) | Results |
|------------------|------------------|------------------------------|---------------------|--------------|---------|
| | 3.50 | -0.085 | -0.0055 | ±0.01 | Pass |
| 25.0 | 3.85 | 0.071 | 0.0041 | ±0.01 | Pass |
| | 4.40 | 0.092 | 0.0061 | ±0.01 | Pass |

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6.5 Conducted Emission

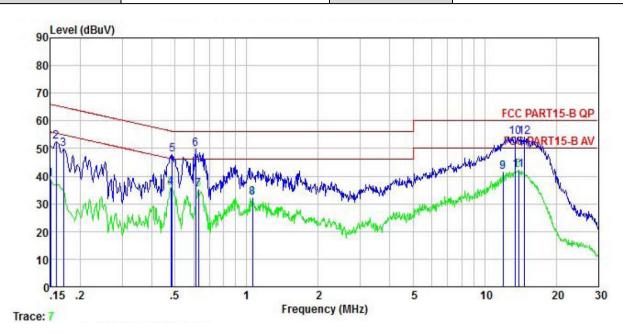
| Test Requirement: | FCC Part15 B Section 15 | .207 | | | | |
|---------------------|--|-------------------------|-----------|--|--|--|
| TestFrequencyRange: | 150kHz to 30MHz | | | | | |
| Class / Severity: | Class B | | | | | |
| Receiver setup: | RBW=9kHz, VBW=30kHz | | | | | |
| Limit: | Limit (dRu\/) | | | | | |
| | Frequency range (MHz) | Quasi-peak | Average | | | |
| | 0.15-0.5 | 66 to 56* | 56 to 46* | | | |
| | 0.5-5 | 56 | 46 | | | |
| | 0.5-30 | 60 | 50 | | | |
| Test setup: | * Decreases with the loga | rithm of the frequency. | | | | |
| Toot procedure | AUX Equipment Test table/Insulation plane Remark E.U.T. Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m | | | | | |
| Test procedure | The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). It provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement. | | | | | |
| Test Instruments: | Refer to section 5.9 for details | | | | | |
| Test mode: | Refer to section 5.3 for details | | | | | |
| Test results: | Pass | | | | | |

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Measurement Data:

| Product name: | Mobile phone | Product model: | ZEEKER P10 | | |
|-----------------|------------------|----------------|-----------------------|--|--|
| Test by: | Mike | Test mode: | NFC Tx mode | | |
| Test frequency: | 150 kHz ~ 30 MHz | Phase: | Line | | |
| Test voltage: | AC 120 V/60 Hz | Environment: | Temp: 22.5℃ Huni: 55% | | |



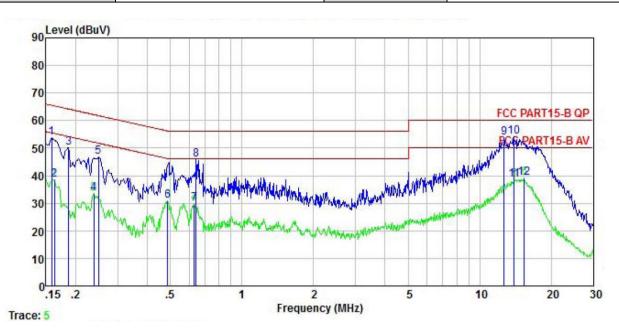
| | Freq | Read Level | LISN Factor | Aux Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|---|------------------|----------------|----------------|----------------|---------------|----------------|----------------|------------------|---------------|
| - | MHz | dBu₹ | <u>dB</u> | <u>d</u> B | | dBu₹ | dBu∜ | <u>dB</u> | |
| 1 | 0.150 0.158 | 28.55 42.47 | 10.22 10.22 | -0.05 -0.07 | 0.01 0.01 | 38.73 52.63 | | -17.27 -12.93 | Average |
| 3 | 0.170 | 39.65 | 10.22 | -0.10 | 0.01 | 49.78 | 64.94 | -15.16 | QP |
| 1 2 3 4 5 6 7 8 9 | 0.481 0.486 | 25.91 37.90 | 10.29 10.29 | -0.24 -0.26 | 0.03 | 35.99 47.96 | 46.32 56.23 | | Average QP |
| 6 | 0.611 0.627 | 39.86 25.42 | 10.30 | -0.38 -0.38 | 0.02 | 49.80 35.36 | 56.00 | | QP Average |
| 8 | 1.060 | 21.40 | 10.32 | 0.40 | 0.06 | 32.18 | 46.00 | -13.82 | Average |
| 9 10 | 11.933 13.479 | 28.00 40.29 | 10.67 10.72 | 2.65 3.15 | 0.10 | 41.42 54.27 | 50.00 60.00 | -8.58 -5.73 | Average QP |
| 11 12 | 13.915 14.672 | 27.95 39.62 | 10.74 10.76 | 3.28 3.51 | 0.12 0.13 | 42.09 54.02 | 50.00 60.00 | | Average |

Notes

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



| Product name: | Mobile phone | Product model: | ZEEKER P10 | | |
|-----------------|------------------|----------------|-----------------------|--|--|
| Test by: | Mike | Test mode: | NFC Tx mode | | |
| Test frequency: | 150 kHz ~ 30 MHz | Phase: | Neutral | | |
| Test voltage: | AC 120 V/60 Hz | Environment: | Temp: 22.5℃ Huni: 55% | | |



| | Freq | Read Level | LISN Factor | Aux Factor | Cable Loss | Level | Limit Line | Over Limit | Remark |
|---|--------|---------------|----------------|---------------|---------------|-------|---------------|---------------|---------|
| | MHz | dBu₹ | <u>dB</u> | <u>d</u> B | ₫B | dBu√ | dBu√ | | |
| 1 | 0.158 | 43.49 | 10.20 | 0.01 | 0.01 | 53.71 | 65.56 | -11.85 | QP |
| 2 | 0.162 | 28.44 | 10.20 | 0.01 | 0.01 | 38.66 | 55.34 | -16.68 | Average |
| 3 | 0.186 | 40.06 | 10.21 | 0.00 | 0.02 | 50.29 | 64.20 | -13.91 | QP |
| 4 | 0.238 | 23.45 | 10.23 | 0.00 | 0.02 | 33.70 | 52.17 | -18.47 | Average |
| 1 2 3 4 5 6 7 8 9 | 0.249 | 36.54 | 10.24 | 0.01 | 0.01 | 46.80 | 61.78 | -14.98 | QP |
| 6 | 0.486 | 20.53 | 10.28 | 0.02 | 0.03 | 30.86 | 46.23 | -15.37 | Average |
| 7 | 0.630 | 19.64 | 10.29 | 0.04 | 0.02 | 29.99 | 46.00 | -16.01 | Average |
| 8 | 0.641 | 35.35 | 10.29 | 0.04 | 0.02 | 45.70 | 56.00 | -10.30 | QP |
| 9 | 12.649 | 40.53 | 10.67 | 2.40 | 0.11 | 53.71 | 60.00 | -6.29 | QP |
| 10 | 13.915 | 40.44 | 10.70 | 2.78 | 0.12 | 54.04 | 60.00 | -5.96 | QP |
| 11 | 13.989 | 24.92 | 10.70 | 2.81 | 0.12 | 38.55 | 50.00 | -11.45 | Average |
| 12 | 15.388 | 25.41 | 10.74 | 2.87 | 0.15 | 39.17 | 50.00 | -10.83 | Average |

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.

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8 EUT Constructional Details

Reference to the test report No. JYTSZB-R12-2101653.

-----End of report-----