

RADIO TEST REPORT
pcc ID:2ATVQ-T80SProduct:Handheld terminalTrade Mark:N/AModel No:T80SU8000, T80, U7000, AN90, AN70,
AN60, AN50, CE50, CE70, CE80,Family Model:CE90, HT5000, HT6000, HT8000,
HT7000, S50, S60, S70, S80, S90,
U9000, U9300, U9100Report No:S19032000702001

Issue Date: 27 Jun. 2019

Prepared for

SHENZHEN BLOVEDREAM TECHNOLOGY CO., LTD 4F, 7-Building, A-Area, Xifa Industrial Park YinTian Rd XiXiang BaoAn ShenZhen, China

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd. 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen 518126 P.R. China Tel.: +86-755-6115 6588 Fax.: +86-755-6115 6599 Website:http://www.ntek.org.cn



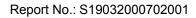


TABLE OF CONTENTS

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Certificate #4298.01

| 1 | TES | T RESULT CERTIFICATION | 3 |
|---|---|---|--|
| 2 | SUN | IMARY OF TEST RESULTS | 4 |
| 3 | FAC | CILITIES AND ACCREDITATIONS | 5 |
| | 3.1 3.2 3.3 | FACILITIES LABORATORY ACCREDITATIONS AND LISTINGS MEASUREMENT UNCERTAINTY | 5 5 |
| 4 | GEN | NERAL DESCRIPTION OF EUT | 6 |
| 5 | DES | SCRIPTION OF TEST MODES | 8 |
| 6 | SET | UP OF EQUIPMENT UNDER TEST | 9 |
| | 6.1 6.2 6.3 | BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM SUPPORT EQUIPMENT EQUIPMENTS LIST FOR ALL TEST ITEMS | |
| 7 | TES | T REQUIREMENTS | 13 |
| | 7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 7.10 | CONDUCTED EMISSIONS TEST RADIATED SPURIOUS EMISSION NUMBER OF HOPPING CHANNEL HOPPING CHANNEL SEPARATION MEASUREMENT AVERAGE TIME OF OCCUPANCY (DWELL TIME) 20DB BANDWIDTH TEST PEAK OUTPUT POWER CONDUCTED BAND EDGE MEASUREMENT SPURIOUS RF CONDUCTED EMISSION ANTENNA APPLICATION | .18 .27 .29 .33 .37 .41 .45 .49 |

1 TEST RESULT CERTIFICATION

NTEK北测

| SHENZHEN BLOVEDREAM TECHNOLOGY CO., LTD |
|---|
| 4F, 7-Building, A-Area, Xifa Industrial Park YinTian Rd XiXiang BaoAn ShenZhen, China |
| SHENZHEN BLOVEDREAM TECHNOLOGY CO., LTD |
| 4F, 7-Building, A-Area, Xifa Industrial Park YinTian Rd XiXiang BaoAn ShenZhen, China |
| |
| |
| Handheld terminal |
| T80S |
| U8000, T80, U7000, AN90, AN70, AN60, AN50, CE50, CE70, CE80, CE90, HT5000, HT6000, HT8000, HT7000, S50, S60, S70, S80, S90, U9000, U9300, U9100 |
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Measurement Procedure Used:

| APPLICABLE STANDARDS | | |
|---|-------------|--|
| STANDARD/ TEST PROCEDURE | TEST RESULT | |
| FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart C KDB 174176 D01 Line Conducted FAQ v01r01 ANSI C63.10-2013 | Complied | |

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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The test results of this report relate only to the tested sample identified in this report.

| Date of Test | : | Mar. 20, 2019 ~ May. 17, 2019 | |
|----------------------|---|-------------------------------|--|
| Testing Engineer | : | Cheny Jiamen | |
| | | (Cheng Jiawen) | |
| Technical Manager | | Jason chen | |
| reennear manager | · | (Jason Chen) | |
| | | Sam. Chew | |
| Authorized Signatory | : | | |
| | | (Sam Chen) | |



| FCC Part15 (15.247), Subpart C | | | | |
|--------------------------------|--------------------------------|---------|--------|--|
| Standard Section | Test Item | Verdict | Remark | |
| 15.207 | Conducted Emission | PASS | | |
| 15.209 (a) 15.205 (a) | Radiated Spurious Emission | PASS | | |
| 15.247(a)(1) | Hopping Channel Separation | PASS | | |
| 15.247(b)(1) | Peak Output Power | PASS | | |
| 15.247(a)(iii) | Number of Hopping Frequency | PASS | | |
| 15.247(a)(iii) | Dwell Time | PASS | | |
| 15.247(a)(1) | Bandwidth | PASS | | |
| 15.247 (d) | Band Edge Emission | PASS | | |
| 15.247 (d) | Spurious RF Conducted Emission | PASS | | |
| 15.203 | Antenna Requirement | PASS | | |

 "N/A" denotes test is not applicable in this Test Report.
 All test items were verified and recorded according to the standards and without any deviation during the test.

3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

| Site Description | |
|------------------|---|
| CNAS-Lab. | : The Laboratory has been assessed and proved to be in compliance with |
| | CNAS-CL01:2006 (identical to ISO/IEC 17025:2005) |
| | The Certificate Registration Number is L5516. |
| IC-Registration | The Certificate Registration Number is 9270A. |
| | CAB identifier:CN0074 |
| FCC- Accredited | Test Firm Registration Number: 463705. |
| | Designation Number: CN1184 |
| A2LA-Lab. | The Certificate Registration Number is 4298.01 |
| | This laboratory is accredited in accordance with the recognized |
| | International Standard ISO/IEC 17025:2005 General requirements for |
| | the competence of testing and calibration laboratories. |
| | This accreditation demonstrates technical competence for a defined |
| | scope and the operation of a laboratory quality management system |
| | (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009). |
| Name of Firm | : Shenzhen NTEK Testing Technology Co., Ltd. |
| Site Location | 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China. |
| | |

3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y\pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

| No. | Item | Uncertainty |
|-----|-------------------------------------|-------------|
| 1 | Conducted Emission Test | ±2.80dB |
| 2 | RF power, conducted | ±0.16dB |
| 3 | Spurious emissions, conducted | ±0.21dB |
| 4 | All emissions, radiated(30MHz~1GHz) | ±2.64dB |
| 5 | All emissions, radiated(1GHz~6GHz) | ±2.40dB |
| 6 | All emissions, radiated(>6GHz) | ±2.52dB |
| 7 | Temperature | ±0.5°C |
| 8 | Humidity | ±2% |



4 GENERAL DESCRIPTION OF EUT

| Product Feature and Specification | | |
|-----------------------------------|---|--|
| Equipment | Handheld terminal | |
| Trade Mark | N/A | |
| FCC ID | 2ATVQ-T80S | |
| Model No. | T80S | |
| Family Model | U8000, T80, U7000, AN90, AN70, AN60, AN50, CE50, CE70, CE80, CE90, HT5000, HT6000, HT8000, HT7000, S50, S60, S70, S80, S90, U9000, U9300, U9100 | |
| Model Difference | All models are the same circuit and RF module, except the model name. | |
| Operating Frequency | 2402MHz~2480MHz | |
| Modulation | GFSK, π/4-DQPSK, 8-DPSK | |
| Bluetooth Version | BT V4.0 | |
| Number of Channels | 79 Channels | |
| Antenna Type | PIFA Antenna | |
| Antenna Gain | 0.7dBi | |
| Power supply | DC supply: DC 3.8V/4200mAh from Battery or DC 5V from USB Port. | |
| Power supply | Adapter supply: | |
| HW Version | T80S-MB-V1.2 | |
| SW Version | 1.0.0.101 | |

Note: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.



Revision History

ACCREDITED

| Revision History | | | | |
|------------------|---------|-------------------------|--------------|--|
| Report No. | Version | Description | Issued Date | |
| S19032000702001 | Rev.01 | Initial issue of report | Jun 27, 2019 | |
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5 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Those data rates (1Mbps for GFSK modulation; 2Mbps for π /4-DQPSK modulation; 3Mbps for 8-DPSK modulation) were used for all test.

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

Carrier Frequency and Channel list:

| Channel | Frequency(MHz) |
|---------|----------------|
| 0 | 2402 |
| 1 | 2403 |
| | |
| 39 | 2441 |
| 40 | 2442 |
| | |
| 77 | 2479 |
| 78 | 2480 |

Note: fc=2402MHz+k×1MHz k=0 to 78

The following summary table is showing all test modes to demonstrate in compliance with the standard.

| For AC Conducted Emission | | | | |
|---------------------------|------------------|--|--|--|
| Final Test Mode | Description | | | |
| Mode 1 | normal link mode | | | |
| | | | | |

Note: AC power line Conducted Emission was tested under maximum output power.

| For Radiated Test Cases | | |
|-------------------------|------------------|--|
| Final Test Mode | Description | |
| Mode 1 | normal link mode | |
| Mode 2 | CH00(2402MHz) | |
| Mode 3 | CH39(2441MHz) | |
| Mode 4 | CH78(2480MHz) | |

Note: For radiated test cases, the worst mode data rate 1Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

| Final Test Mode Description | | | | |
|-----------------------------|---------------|--|--|--|
| Mode 2 | CH00(2402MHz) | | | |
| Mode 3 | CH39(2441MHz) | | | |
| Mode 4 | CH78(2480MHz) | | | |
| Mode 5 | Hopping mode | | | |

1. AC power line Conducted Emission was tested under maximum output power.



| 6 SETUP OF EQUIPMENT UNDER TEST | |
|--|-------------------------|
| 6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM For AC Conducted Emission Mode | |
| C-1 AE-1 Adapter Adapter | |
| For Radiated Test Cases | |
| | |
| EUT | |
| For Conducted Test Cases | |
| C-2 Measurement Instrument EUT | |
| Note: 1. The temporary antenna connector is soldered on the PCB board in order to and this temporary antenna connector is listed in the equipment list. 2. EUT built-in battery-powered, the battery is fully-charged. | perform conducted tests |
| | |



6.2 SUPPORT EQUIPMENT

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.

| Item | Equipment | Mfr/Brand | Model/Type No. | Series No. | Note |
|------|-----------|-----------|-------------------|------------|-------------|
| AE-1 | Adapter | SIMP | KSAPK0110500200D5 | N/A | Peripherals |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|------------|---------------|--------------|--------|
| C-1 | USB Cable | NO | NO | 0.5m |
| C-2 | RF Cable | YES | NO | 0.1m |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Notes:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in [Length] column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".





6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

| | | iest equipment | | | | | |
|------|---|-----------------|-----------------|-------------------|------------------|---------------------|---------------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibrati on period |
| 1 | Spectrum Analyzer | Aglient | E4407B | MY45108040 | 2018.05.19 | 2019.05.18 | 1 year |
| 2 | Spectrum Analyzer | Agilent | N9020A | MY49100060 | 2018.10.08 | 2019.10.07 | 1 year |
| 3 | Spectrum Analyzer | R&S | FSV40 | 101417 | 2018.10.08 | 2019.10.07 | 1 year |
| 4 | Test Receiver | R&S | ESPI7 | 101318 | 2018.05.19 | 2019.05.18 | 1 year |
| 5 | Bilog Antenna | TESEQ | CBL6111D | 31216 | 2019.04.15 | 2020.04.14 | 1 year |
| 6 | 50Ω Coaxial Switch | Anritsu | MP59B | 6200983705 | 2018.05.19 | 2020.05.18 | 2 year |
| 7 | Horn Antenna | EM | EM-AH-1018 0 | 2011071402 | 2019.04.15 | 2020.04.14 | 1 year |
| 8 | Broadband Horn Antenna | SCHWARZBE CK | BBHA 9170 | 803 | 2018.12.11 | 2019.12.10 | 1 year |
| 9 | Amplifier | EMC | EMC051835 SE | 980246 | 2018.08.05 | 2019.08.04 | 1 year |
| 10 | Active Loop Antenna | SCHWARZBE CK | FMZB 1519 B | 055 | 2018.12.11 | 2019.12.10 | 1 year |
| 11 | Power Meter | DARE | RPR3006W | 15I00041SN 084 | 2018.08.05 | 2019.08.04 | 1 year |
| 12 | Test Cable (9KHz-30MHz) | N/A | R-01 | N/A | 2017.04.21 | 2020.04.20 | 3 year |
| 13 | Test Cable (30MHz-1GHz) | N/A | R-02 | N/A | 2017.04.21 | 2020.04.20 | 3 year |
| 14 | High Test Cable(1G-40G Hz) | N/A | R-03 | N/A | 2017.04.21 | 2020.04.20 | 3 year |
| 15 | High Test Cable(1G-40G Hz) | N/A | R-04 | N/A | 2017.04.21 | 2020.04.20 | 3 year |
| 16 | Filter | TRILTHIC | 2400MHz | 29 | 2017.04.19 | 2020.04.18 | 3 year |
| 17 | temporary antenna connector (Note) | NTS | R001 | N/A | N/A | N/A | N/A |

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Note:

We will use the temporary antenna connector (soldered on the PCB board) When conducted test And this temporary antenna connector is listed within the instrument list



| AC Cc | onduction Test e | equipment | | | | | |
|-------|--------------------------------|-----------------|-----------|------------|------------------|---------------------|--------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Last calibration | Calibrated until | Calibration period |
| 1 | Test Receiver | R&S | ESCI | 101160 | 2018.05.19 | 2019.05.18 | 1 year |
| 2 | LISN | R&S | ENV216 | 101313 | 2019.04.15 | 2020.04.14 | 1 year |
| 3 | LISN | SCHWARZBE CK | NNLK 8129 | 8129245 | 2018.05.19 | 2019.05.18 | 1 year |
| 4 | 50Ω Coaxial Switch | ANRITSU CORP | MP59B | 6200983704 | 2018.05.19 | 2020.05.18 | 2 year |
| 5 | Test Cable (9KHz-30MH z) | N/A | C01 | N/A | 2017.04.21 | 2020.04.20 | 3 year |
| 6 | Test Cable (9KHz-30MH z) | N/A | C02 | N/A | 2017.04.21 | 2020.04.20 | 3 year |
| 7 | Test Cable (9KHz-30MH z) | N/A | C03 | N/A | 2017.04.21 | 2020.04.20 | 3 year |

Note: Each piece of equipment is scheduled for calibration once a year except the Aux Equipment & Test Cable which is scheduled for calibration every 2 or 3 years.



7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a) and KDB 174176 D01 Line Conducted FAQ v01r01

7.1.2 Conformance Limit

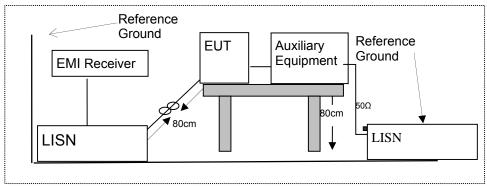
| Frequency(MHz) | Conducted Emission Limit | | | |
|----------------|--------------------------|---------|--|--|
| Frequency(MHz) | Quasi-peak | Average | | |
| 0.15-0.5 | 66-56* | 56-46* | | |
| 0.5-5.0 | 56 | 46 | | |
| 5.0-30.0 | 60 | 50 | | |

Note: 1. *Decreases with the logarithm of the frequency

2. The lower limit shall apply at the transition frequencies

3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

7.1.3 Test Configuration



7.1.4 Test Procedure

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
- 2. The EUT was placed on a table which is 0.8m above ground plane.
- 3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
- 5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 6. LISN at least 80 cm from nearest part of EUT chassis.
- 7. The frequency range from 150KHz to 30MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
- 9. For the actual test configuration, please refer to the related Item –EUT Test Photos.

7.1.5 Test Results

Pass



7.1.6 Test Results

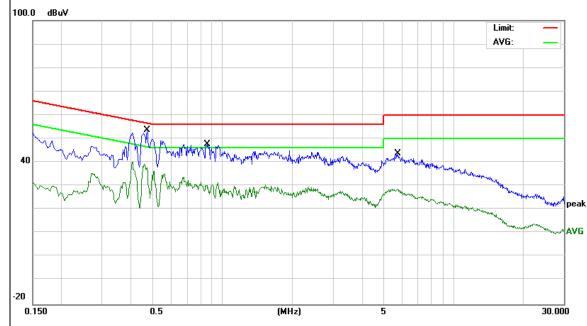
| EUT: | Handheld terminal | Model Name : | T80S |
|----------------|---------------------------------|--------------------|--------|
| Temperature: | 26 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010hPa | Phase : | L |
| Test Voltage : | DC 5V from Adapter AC 120V/60Hz | Test Mode: | Mode 1 |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Domork |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz) | (dBµV) | (dB) | (dBµV) | (dBµV) | (dB) | Remark |
| 0.4700 | 43.80 | 9.74 | 53.54 | 56.51 | -2.97 | QP |
| 0.4700 | 30.47 | 9.74 | 40.21 | 46.51 | -6.30 | AVG |
| 0.8540 | 37.81 | 9.74 | 47.55 | 56.00 | -8.45 | QP |
| 0.8540 | 24.18 | 9.74 | 33.92 | 46.00 | -12.08 | AVG |
| 5.7420 | 33.86 | 9.88 | 43.74 | 60.00 | -16.26 | QP |
| 5.7420 | 18.81 | 9.88 | 28.69 | 50.00 | -21.31 | AVG |

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.

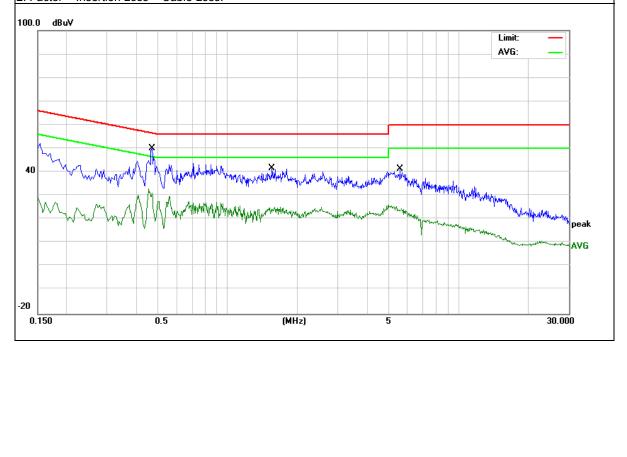




| EUT: | Handheld terminal | Model Name : | T80S |
|----------------|---------------------------------|--------------------|--------|
| Temperature: | 26 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010hPa | Phase : | Ν |
| Test Voltage : | DC 5V from Adapter AC 120V/60Hz | Test Mode: | Mode 1 |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Remark |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz) | (dBµV) | (dB) | (dBµV) | (dBµV) | (dB) | Remark |
| 0.4700 | 40.18 | 9.75 | 49.93 | 56.51 | -6.58 | QP |
| 0.4700 | 23.32 | 9.75 | 33.07 | 46.51 | -13.44 | AVG |
| 1.5540 | 31.98 | 9.78 | 41.76 | 56.00 | -14.24 | QP |
| 1.5540 | 15.36 | 9.78 | 25.14 | 46.00 | -20.86 | AVG |
| 5.5780 | 31.36 | 9.95 | 41.31 | 60.00 | -18.69 | QP |
| 5.5780 | 16.11 | 9.95 | 26.06 | 50.00 | -23.94 | AVG |

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.



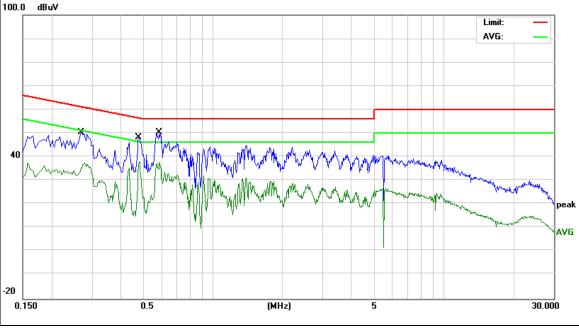


| EUT: | Handheld terminal | Model Name : | T80S |
|----------------|---------------------------------|--------------------|--------|
| Temperature: | 26 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010hPa | Phase : | L |
| Test Voltage : | DC 5V from Adapter AC 240V/60Hz | Test Mode: | Mode 1 |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Remark |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz) | (dBµV) | (dB) | (dBµV) | (dBµV) | (dB) | Remark |
| 0.2700 | 40.69 | 9.75 | 50.44 | 61.12 | -10.68 | QP |
| 0.2700 | 25.67 | 9.75 | 35.42 | 51.12 | -15.70 | AVG |
| 0.4779 | 38.54 | 9.74 | 48.28 | 56.38 | -8.10 | QP |
| 0.4779 | 28.36 | 9.74 | 38.10 | 46.38 | -8.28 | AVG |
| 0.5859 | 40.57 | 9.74 | 50.31 | 56.00 | -5.69 | QP |
| 0.5859 | 28.14 | 9.74 | 37.88 | 46.00 | -8.12 | AVG |

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.





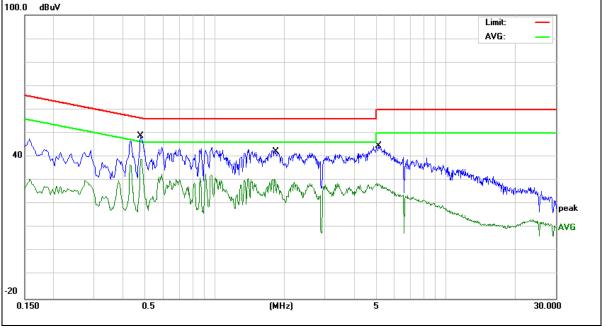


| EUT: | Handheld terminal | Model Name : | T80S |
|----------------|---------------------------------|--------------------|--------|
| Temperature: | 26 ℃ | Relative Humidity: | 54% |
| Pressure: | 1010hPa | Phase : | Ν |
| Test Voltage : | DC 5V from Adapter AC 240V/60Hz | Test Mode: | Mode 1 |

| Frequency | Reading Level | Correct Factor | Measure-ment | Limits | Margin | Remark |
|-----------|---------------|----------------|--------------|--------|--------|--------|
| (MHz) | (dBµV) | (dB) | (dBµV) | (dBµV) | (dB) | Remark |
| 0.4780 | 39.01 | 9.75 | 48.76 | 56.37 | -7.61 | QP |
| 0.4780 | 29.25 | 9.75 | 39.00 | 46.37 | -7.37 | AVG |
| 1.8420 | 32.53 | 9.79 | 42.32 | 56.00 | -13.68 | QP |
| 1.8420 | 20.75 | 9.79 | 30.54 | 46.00 | -15.46 | AVG |
| 5.1180 | 34.81 | 9.94 | 44.75 | 60.00 | -15.25 | QP |
| 5.1180 | 18.95 | 9.94 | 28.89 | 50.00 | -21.11 | AVG |

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.







7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and ANSI C63.10-2013

7.2.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). According to FCC Part15.205, Restricted bands

| According to Foc Fait 13.200, Restricted bands | | | | | | |
|--|--|--|--|--|--|--|
| MHz | MHz | GHz | | | | |
| 16.42-16.423 | 399.9-410 | 4.5-5.15 | | | | |
| 16.69475-16.69525 | 608-614 | 5.35-5.46 | | | | |
| 16.80425-16.80475 | 960-1240 | 7.25-7.75 | | | | |
| 25.5-25.67 | 1300-1427 | 8.025-8.5 | | | | |
| 37.5-38.25 | 1435-1626.5 | 9.0-9.2 | | | | |
| 73-74.6 | 1645.5-1646.5 | 9.3-9.5 | | | | |
| 74.8-75.2 | 1660-1710 | 10.6-12.7 | | | | |
| 123-138 | 2200-2300 | 14.47-14.5 | | | | |
| 149.9-150.05 | 2310-2390 | 15.35-16.2 | | | | |
| 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 | | | | |
| 156.7-156.9 | 2690-2900 | 22.01-23.12 | | | | |
| 162.0125-167.17 | 3260-3267 | 23.6-24.0 | | | | |
| 167.72-173.2 | 3332-3339 | 31.2-31.8 | | | | |
| 240-285 | 3345.8-3358 | 36.43-36.5 | | | | |
| 322-335.4 | 3600-4400 | (2) | | | | |
| | | | | | | |
| | MHz 16.42-16.423 16.69475-16.69525 16.80425-16.80475 25.5-25.67 37.5-38.25 73-74.6 74.8-75.2 123-138 149.9-150.05 156.52475-156.52525 156.7-156.9 162.0125-167.17 167.72-173.2 240-285 | MHzMHz16.42-16.423399.9-41016.69475-16.69525608-61416.80425-16.80475960-124025.5-25.671300-142737.5-38.251435-1626.573-74.61645.5-1646.574.8-75.21660-1710123-1382200-2300149.9-150.052310-2390156.52475-156.525252483.5-2500156.7-156.92690-2900162.0125-167.173260-3267167.72-173.23332-3339240-2853345.8-3358 | | | | |

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Restricted Frequency(MHz) | Field Strength (µV/m) | Field Strength (dBµV/m) | Measurement Distance |
|------------------------------|-----------------------|-------------------------|----------------------|
| 0.009~0.490 | 2400/F(KHz) | 20 log (uV/m) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 20 log (uV/m) | 30 |
| 1.705~30.0 | 30 | 29.5 | 30 |
| 30-88 | 100 | 40 | 3 |
| 88-216 | 150 | 43.5 | 3 |
| 216-960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

Limits of Radiated Emission Measurement(Above 1000MHz)

| Frequency(MHz) | Class B (dBuV/ | ′m) (at 3M) |
|----------------|----------------|-------------|
| | PEAK | AVERAGE |
| Above 1000 | 74 | 54 |

Remark :1. Emission level in dBuV/m=20 log (uV/m)

Measurement was performed at an antenna to the closed point of EUT distance of meters.
 For Frequency 9kHz~30MHz:

Distance extrapolation factor =40log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

Distance extrapolation factor =20log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

For Frequency above 30MHz:

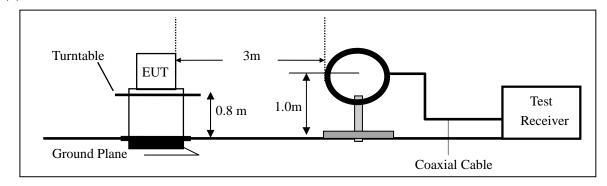


7.2.3 Measuring Instruments

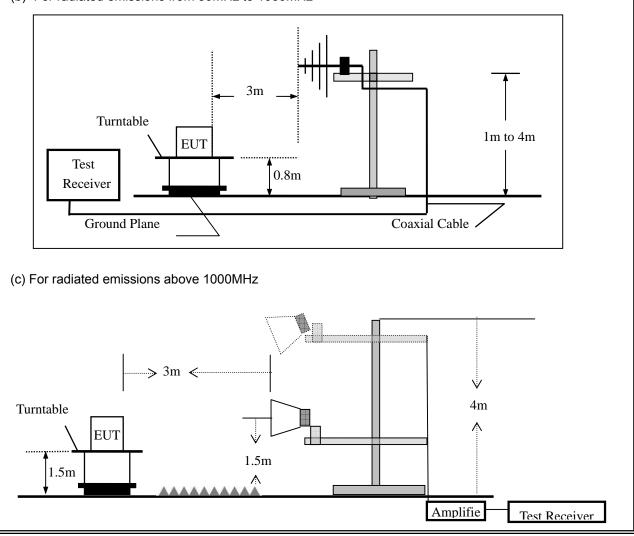
The Measuring equipment is listed in the section 6.3 of this test report.

7.2.4 Test Configuration

(a) For radiated emissions below 30MHz



(b) For radiated emissions from 30MHz to 1000MHz





7.2.5 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

| Spectrum Parameter | Setting |
|---------------------------------------|--|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RB / VB (emission in restricted band) | 1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average |

| Receiver Parameter | Setting |
|------------------------|----------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP |
| Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.

b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

- d. For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- e. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.

g. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported



| During the radiated emission test, the Spectrum Analyzer was set with the following configurations: | | | | | | | |
|---|----------|----------------------|-----------------|--|--|--|--|
| Frequency Band (MHz) | Function | Resolution bandwidth | Video Bandwidth | | | | |
| 30 to 1000 | QP | 120 kHz | 300 kHz | | | | |
| 41 | Peak | 1 MHz | 1 MHz | | | | |
| Above 1000 | Average | 1 MHz | 10 Hz | | | | |

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10*lg(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

7.2.6 Test Results

| | Spurious E | mission | below 30MHz | (9KHz to 30MHz) |
|--|------------|---------|-------------|-----------------|
|--|------------|---------|-------------|-----------------|

| EUT: | Handheld terminal | Model No.: | T80S |
|--------------|-------------------|--------------------|--------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | Mode2/Mode3/Mode4 | Test By: | Cheng Jiawen |

| Freq. | Ant.Pol. | Emission L | .evel(dBuV/m) | Limit 3 | m(dBuV/m) | Over | r(dB) |
|-------|----------|------------|---------------|---------|-----------|------|-------|
| (MHz) | H/V | PK | AV | PK | AV | PK | AV |
| | | | | | | | |

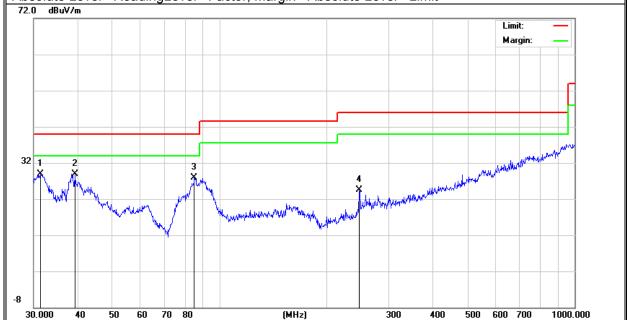
Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.



| | n below 1GHz (30MHz to 10 modes have been tested, a | GHz) and the worst result was repor | t as below: |
|----------------|--|--|-------------|
| EUT: | Handheld terminal | Model Name : | T80S |
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure: | 1010hPa | Test Mode: | Mode 1 |
| Test Voltage : | DC 3.8V | | |

| Polar | Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Remark |
|-------|-----------|------------------|--------|-------------------|----------|--------|--------|
| (H/V) | (MHz) | (dBuV) | (dB) | (dBuV/m) | (dBuV/m) | (dB) | |
| V | 31.3992 | 10.48 | 18.40 | 28.88 | 40.00 | -11.12 | QP |
| V | 39.1614 | 14.10 | 14.78 | 28.88 | 40.00 | -11.12 | QP |
| V | 84.9993 | 18.12 | 9.69 | 27.81 | 40.00 | -12.19 | QP |
| V | 247.6819 | 10.01 | 14.50 | 24.51 | 46.00 | -21.49 | QP |

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit





| Protein (H/V) Reading Level Comparison F (H/V) (MHz) (dBuV) (dB) (dBuV/m) (dBuV/m) (dB) (dBuV/m) (dB) (dBuV/m) (dB) (dBuV/m) (dB) (dBuV/m) (dB) (dB) (dBuV/m) (dB) (dB) (dBuV/m) (dB) (dB) |
|---|
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ |
| H 942.1304 6.82 30.93 37.75 46.00 -8.25 Remark: Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit 72.0 dBuV/m Limit: Margin: 32 1 2 3 2 3 4 |
| Remark: Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit 72.0 dBuV/m |
| Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit 72.0 dBuV/m |
| 32 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| |
| -8 30.000 40 50 60 70 80 (MHz) 300 400 500 600 700 1000.0 |



| EUT: | | Handh | eld termina | al | Mod | el No.: | | T80 |)S | | |
|------------------|------------|-------------|-------------|------------------|----------|-------------|---------|------------|----------|--------|-----------|
| Temperatu | ire: | 20 ℃ | | | Rela | tive Humid | ity: | 48% | 6 | | |
| Test Mode | : | Mode2 | /Mode3/M | Node4 Test By: C | | | Che | eng Jiawer | า | | |
| All the mod | lulation m | odes hav | e been tes | sted, a | | e worst res | ult was | | 0 | | |
| Frequenc | Read | Cable | Antenna | Prea | | Emission | Limit | - T | Margin | | |
| у | Level | loss | Factor | Fac | tor | Level | | | <u> </u> | Remark | Comment |
| (MHz) | (dBµV) | (dB) | dB/m | (dE | 3) | (dBµV/m) | (dBµV/ | /m) | (dB) | | |
| | | | Low Cha | annel (| 2402 | MHz)(GFS | K)Abo | ove ^ | 1G | | |
| 4804 | 64.16 | 5.21 | 35.59 | 44. | 30 | 60.66 | 74.0 | 0 | -13.34 | Pk | Vertical |
| 4804 | 44.44 | 5.21 | 35.59 | 44. | 30 | 40.94 | 54.0 | 0 | -13.06 | AV | Vertical |
| 7206 | 62.17 | 6.48 | 36.27 | 44. | 60 | 60.32 | 74.0 | 0 | -13.68 | Pk | Vertical |
| 7206 | 43.86 | 6.48 | 36.27 | 44. | 60 | 42.01 | 54.0 | 0 | -11.99 | AV | Vertical |
| 4804 | 63.59 | 5.21 | 35.55 | 44.3 | 30 | 60.05 | 74.0 | 0 | -13.95 | Pk | Horizonta |
| 4804 | 47.06 | 5.21 | 35.55 | 44.3 | 30 | 43.52 | 54.0 | 0 | -10.48 | AV | Horizonta |
| 7206 | 64.92 | 6.48 | 36.27 | 44. | 52 | 63.15 | 74.0 | 0 | -10.85 | Pk | Horizonta |
| 7206 | 44.01 | 6.48 | 36.27 | 44.52 | | 42.24 | 54.0 | 0 | -11.76 | AV | Horizonta |
| Mid Channel (244 | | | | 2441 | MHz)(GFS | K)Abo | ove 1 | IG | | | |
| 4882 | 63.00 | 5.21 | 35.66 | 44. | 20 | 59.67 | 74.0 | 0 | -14.33 | Pk | Vertical |
| 4882 | 43.70 | 5.21 | 35.66 | 44. | 20 | 40.37 | 54.0 | 0 | -13.63 | AV | Vertical |
| 7323 | 62.71 | 7.10 | 36.50 | 44. | 43 | 61.88 | 74.0 | 0 | -12.12 | Pk | Vertical |
| 7323 | 48.69 | 7.10 | 36.50 | 44. | 43 | 47.86 | 54.0 | 0 | -6.14 | AV | Vertical |
| 4882 | 67.59 | 5.21 | 35.66 | 44. | 20 | 64.26 | 74.0 | 0 | -9.74 | Pk | Horizonta |
| 4882 | 46.65 | 5.21 | 35.66 | 44. | 20 | 43.32 | 54.0 | 0 | -10.68 | AV | Horizonta |
| 7323 | 64.72 | 7.10 | 36.50 | 44. | 43 | 63.89 | 74.0 | 0 | -10.11 | Pk | Horizonta |
| 7323 | 43.99 | 7.10 | 36.50 | 44. | 43 | 43.16 | 54.0 | 0 | -10.84 | AV | Horizonta |
| | | | High Cha | annel (2 | 2480 | MHz)(GFS | K) Ab | ove | 1G | | |
| 4960 | 63.34 | 5.21 | 35.52 | 44. | 21 | 59.86 | 74.0 | 0 | -14.14 | Pk | Vertical |
| 4960 | 44.51 | 5.21 | 35.52 | 44. | 21 | 41.03 | 54.0 | 0 | -12.97 | AV | Vertical |
| 7440 | 63.49 | 7.10 | 36.53 | 44. | 60 | 62.52 | 74.0 | 0 | -11.48 | Pk | Vertical |
| 7440 | 44.11 | 7.10 | 36.53 | 44. | 60 | 43.14 | 54.0 | 0 | -10.86 | AV | Vertical |
| 4960 | 63.86 | 5.21 | 35.52 | 44. | 21 | 60.38 | 74.0 | 0 | -13.62 | Pk | Horizonta |
| 4960 | 43.29 | 5.21 | 35.52 | 44. | 21 | 39.81 | 54.0 | 0 | -14.19 | AV | Horizonta |
| 7440 | 64.63 | 7.10 | 36.53 | 44. | 60 | 63.66 | 74.0 | 0 | -10.34 | Pk | Horizonta |
| 7440 | 46.51 | 7.10 | 36.53 | 44. | 60 | 45.54 | 54.0 | 0 | -8.46 | AV | Horizonta |

Note:

(1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor (2)All other emissions more than 20dB below the limit.



Report No.: S19032000702001

| Spuric | ous Emissio | on in Restr | icted Band | 2310-239 | 0MHz and | 2483.5-25 | 00MHz | | |
|------------|-------------|-------------|------------|-----------|-------------|-----------|-----------|----------|------------|
| EUT: | | Handheld | d terminal | Mode | l No.: | Т803 | 5 | | |
| Temperatu | ure: | 20 ℃ | | Relati | ve Humidit | y: 48% | | | |
| Test Mode | e: | Mode2/ M | Node4 | Test E | Bv: | Che | ng Jiawen | | |
| All the mo | dulation m | odes have | been test | | , | | • | ow: | |
| Frequenc | | Cable | Antenna | Preamp | Emission | | | | |
| y. | Reading | Loss | Factor | Factor | Level | Limits | Margin | Detector | Comment |
| (MHz) | (dBµV) | (dB) | dB/m | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Туре | |
| | - | - | | | SK)-hopping | | | | |
| 2310.00 | 70.05 | 2.97 | 27.80 | 43.80 | 57.02 | 74 | -16.98 | Pk | Horizontal |
| 2310.00 | 46.66 | 2.97 | 27.80 | 43.80 | 33.63 | 54 | -20.37 | AV | Horizontal |
| 2310.00 | 70.71 | 2.97 | 27.80 | 43.80 | 57.68 | 74 | -16.32 | Pk | Vertical |
| 2310.00 | 48.01 | 2.97 | 27.80 | 43.80 | 34.98 | 54 | -19.02 | AV | Vertical |
| 2390.00 | 71.25 | 3.14 | 27.21 | 43.80 | 57.80 | 74 | -16.20 | Pk | Vertical |
| 2390.00 | 47.15 | 3.14 | 27.21 | 43.80 | 33.70 | 54 | -20.30 | AV | Vertical |
| 2390.00 | 67.03 | 3.14 | 27.21 | 43.80 | 53.58 | 74 | -20.42 | Pk | Horizontal |
| 2390.00 | 48.37 | 3.14 | 27.21 | 43.80 | 34.92 | 54 | -19.08 | AV | Horizontal |
| 2483.50 | 68.74 | 3.58 | 27.70 | 44.00 | 56.02 | 74 | -17.98 | Pk | Vertical |
| 2483.50 | 48.89 | 3.58 | 27.70 | 44.00 | 36.17 | 54 | -17.83 | AV | Vertical |
| 2483.50 | 67.00 | 3.58 | 27.70 | 44.00 | 54.28 | 74 | -19.72 | Pk | Horizontal |
| 2483.50 | 46.86 | 3.58 | 27.70 | 44.00 | 34.14 | 54 | -19.86 | AV | Horizontal |
| | | | 1M | bps(GFSK) | - Non-hopp | bing | | | |
| 2310.00 | 65.01 | 2.97 | 27.80 | 43.80 | 51.98 | 74 | -22.02 | Pk | Horizontal |
| 2310.00 | 45.41 | 2.97 | 27.80 | 43.80 | 32.38 | 54 | -21.62 | AV | Horizontal |
| 2310.00 | 67.92 | 2.97 | 27.80 | 43.80 | 54.89 | 74 | -19.11 | Pk | Vertical |
| 2310.00 | 47.89 | 2.97 | 27.80 | 43.80 | 34.86 | 54 | -19.14 | AV | Vertical |
| 2390.00 | 65.98 | 3.14 | 27.21 | 43.80 | 52.53 | 74 | -21.47 | Pk | Vertical |
| 2390.00 | 49.67 | 3.14 | 27.21 | 43.80 | 36.22 | 54 | -17.78 | AV | Vertical |
| 2390.00 | 68.04 | 3.14 | 27.21 | 43.80 | 54.59 | 74 | -19.41 | Pk | Horizontal |
| 2390.00 | 48.56 | 3.14 | 27.21 | 43.80 | 35.11 | 54 | -18.89 | AV | Horizontal |
| 2483.50 | 68.64 | 3.58 | 27.70 | 44.00 | 55.92 | 74 | -18.08 | Pk | Vertical |
| 2483.50 | 46.78 | 3.58 | 27.70 | 44.00 | 34.06 | 54 | -19.94 | AV | Vertical |
| 2483.50 | 70.64 | 3.58 | 27.70 | 44.00 | 57.92 | 74 | -16.08 | Pk | Horizontal |
| 2483.50 | 49.15 | 3.58 | 27.70 | 44.00 | 36.43 | 54 | -17.57 | AV | Horizontal |

Note: (1) All other emissions more than 20dB below the limit.



| UT: | | ŀ | Han | dheld ter | minal | Model N | lo.: | - | T80 | S | | |
|---------|-----------------------|---------------|--------------------------|---------------|-------------|------------------|--------------------|------------|--------------|--------|--------------|------------|
| Tempe | erature: | 20 ℃ | | | | Relative | Relative Humidity: | | | , D | | |
| Test N | lode: | ľ | Mod | e2/ Mod | e4 | Test By | Test By: | | Cheng Jiawen | | | |
| All the | All the modulation mo | | odes have been tested, a | | , and the v | vorst result | t was | s re | oort as b | elow: | | |
| ſ | Frequenc y | Read g Lev | | Cable Loss | Antenn a | Preamp Factor | Emission Level | Lim | nits | Margin | Detect or | Commont |
| | (MHz) | (dBµ | IV) | (dB) | dB/m | (dB) | (dBµ V/m) | (dE V/r | - | (dB) | Туре | Comment |
| | 3260 | 63.3 | 32 | 4.04 | 29.57 | 44.70 | 52.23 | 74 | 4 | -21.77 | Pk | Vertical |
| | 3260 | 48.6 | 62 | 4.04 | 29.57 | 44.70 | 37.53 | 54 | 4 | -16.47 | AV | Vertical |
| | 3260 | 66.5 | 58 | 4.04 | 29.57 | 44.70 | 55.49 | 74 | 4 | -18.51 | Pk | Horizontal |
| | 3260 | 47.3 | 31 | 4.04 | 29.57 | 44.70 | 36.22 | 54 | 4 | -17.78 | AV | Horizontal |
| | 3332 | 64.1 | 4 | 4.26 | 29.87 | 44.40 | 53.87 | 74 | 4 | -20.13 | Pk | Vertical |
| | 3332 | 43.9 | 99 | 4.26 | 29.87 | 44.40 | 33.72 | 54 | 4 | -20.28 | AV | Vertical |
| | 3332 | 63.1 | 4 | 4.26 | 29.87 | 44.40 | 52.87 | 74 | 4 | -21.13 | Pk | Horizontal |
| | 3332 | 46.5 | 55 | 4.26 | 29.87 | 44.40 | 36.28 | 54 | 4 | -17.72 | AV | Horizontal |
| | 17797 | 47.0 |)2 | 10.99 | 43.95 | 43.50 | 58.46 | 74 | 4 | -15.54 | Pk | Vertical |
| | 17797 | 34.0 | 00 | 10.99 | 43.95 | 43.50 | 45.44 | 54 | 4 | -8.56 | AV | Vertical |
| | 17788 | 47.2 | 29 | 11.81 | 43.69 | 44.60 | 58.19 | 74 | 4 | -15.81 | Pk | Horizontal |
| | 17788 | 32.0 |)3 | 11.81 | 43.69 | 44.60 | 42.93 | 54 | 4 | -11.07 | AV | Horizontal |

Note: (1) All other emissions more than 20dB below the limit.



7.3 NUMBER OF HOPPING CHANNEL

7.3.1 Applicable Standard

According to FCC Part 15.247(a)(1) (iii)and ANSI C63.10-2013

7.3.2 Conformance Limit

Frequency hopping systems in the 2400-2483.5MHz band shall use at least 15 channels.

7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.3 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT must have its hopping function enabled. Use the following spectrum analyzer settings: Span = the frequency band of operation RBW : To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller. VBW \geq RBW Sweep = auto Detector function = peak Trace = max hold

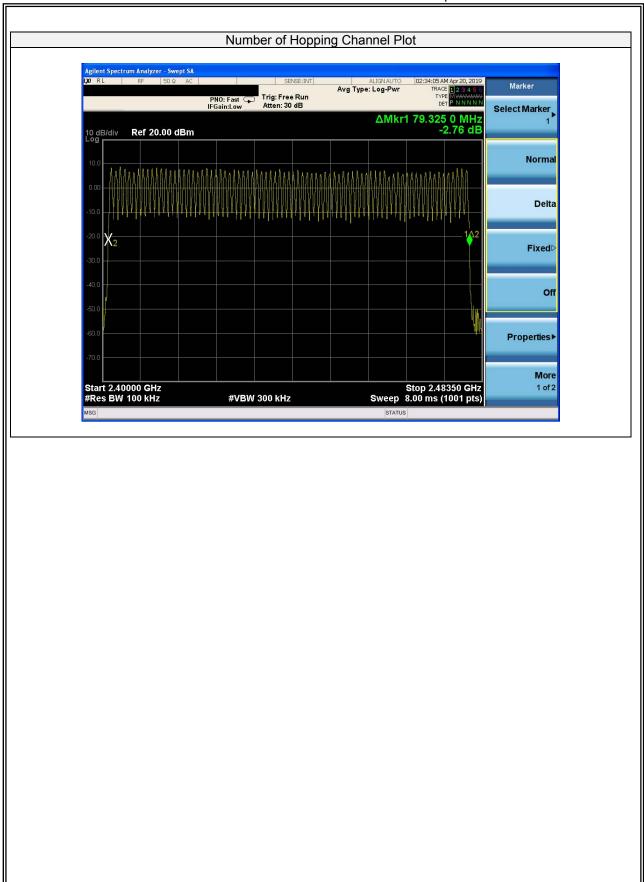
7.3.6 Test Results

| EUT: | Handheld terminal | Model No.: | T80S |
|--------------|-------------------|--------------------|--------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | Mode 5(1Mbps) | Test By: | Cheng Jiawen |

| Number of Hopping (Channel) | Adaptive Frequency hopping (Channel) | limit | Verdict |
|--------------------------------|---|-------|---------|
| 79 | 20 | ≥15 | Pass |









7.4 HOPPING CHANNEL SEPARATION MEASUREMENT

7.4.1 Applicable Standard

According to FCC Part 15.247(a)(1) and ANSI C63.10-2013

7.4.2 Conformance Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5MHz band shall have hopping channel carrier frequencies that are separated by 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

7.4.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

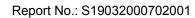
7.4.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.2 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Span = Measurement Bandwidth or Channel Separation RBW: Start with the RBW set to approximately 3% of the channel spacing; adjust as necessary to best identify the center of each individual channel. VBW \geq RBW Sweep = auto Detector function = peak Trace = max hold



7.4.6 Test Results

| EUT: | Hand | held terminal | Model No.: | | T80S | | | |
|--------------------|-------------------|-------------------------------|--|--------|------|----------------|---------|--|
| Temperature: | 20 ℃ | | Relative Hum | idity: | 48% | | | |
| Test Mode: | Mode | 2/Mode3/Mode4 | Test By: | | Chen | Cheng Jiawen | | |
| | | | | | | | | |
| Modulation Mode | Channel Number | Channel Frequency (MHz) | Measured Channel Separation (MHz) | | | Limit (kHz) | Verdict | |
| | 00-01 | 2402 | 1 | >8 | 10.9 | 20dB BW | PASS | |
| GFSK | 39-40 | 2441 | 1 | >8 | 10.3 | 20dB BW | PASS | |
| | 77-78 | 2480 | 1 | >8 | 11.4 | 20dB BW | PASS | |
| | 00-01 | 2402 | 1 | >8 | 40.0 | 2/3 of 20dB BW | PASS | |
| π/4-DQPSK | 39-40 | 2441 | 1 | >8 | 32.7 | 2/3 of 20dB BW | PASS | |
| | 77-78 | 2480 | 1 | >8 | 29.3 | 2/3 of 20dB BW | PASS | |
| | 00-01 | 2402 | 1 | >8 | 43.3 | 2/3 of 20dB BW | PASS | |
| 8-DPSK | 39-40 | 2441 | 1 | >8 | 39.3 | 2/3 of 20dB BW | PASS | |
| | 77-78 | 2480 | 1 | >8 | 40.0 | 2/3 of 20dB BW | PASS | |





Test Plot

(1Mbps) Channel Separation plot on channel 00-01



(2Mbps) Channel Separation plot on channel 00-01



Trig: Free Ru Atten: 30 dB

X.

Span 2.500 p 2.67 ms (1001

Ref 20.00 dl

nter 2.441500 es BW 30 kHz

(1Mbps) Channel Separation plot on channel 39-40 (2Mbps) Channel Separation plot on channel 39-40



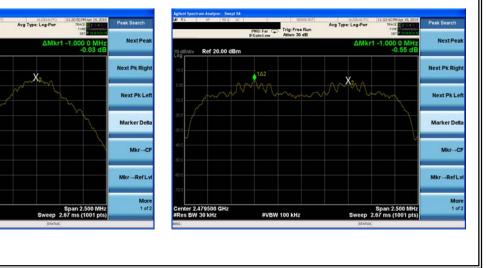


(1Mbps) Channel Separation plot on channel 77-78

Trig: Free Ru Atten: 30 dB

#VBW 100 kHz

162



(2Mbps) Channel Separation plot on channel 77-78

#VBW 100 kH

ter 2.479500 GHz s BW 30 kHz

Ref 20.00 dBm

NextPea

Next Pk Righ

ext Pk Le

Marker De

Mkr-C

More 1 of 2

Mkr-RefL



Test Plot

ACCREDITED

Certificate #4298.01

(3Mbps) Channel Separation plot on channel 00-01



(3Mbps) Channel Separation plot on channel 39-40

| 20 RL NF 150 S AC PNO: Far Ca BEGaisctaw | Trig: Free Run Atten: 30 dB | Avg Type: Log-Pwr | 11:07:13 FM Apr 19, 2019 TRACE 1 2 FM TYPE 0 00000000 DET 1 72:11 552.11 | Peak Search |
|--|--------------------------------|-------------------|---|---------------|
| 10 dB/dly Ref 20.00 dBm | | ΔMk | r1 1.000 0 MHz 0.00 dB | NextPeal |
| 1817 | | 162 | | Next Pk Righ |
| 100 | | www | my | Next Pk Lef |
| 20.0 | | | | Marker Delt |
| 40.0 | | | | Mkr⊸C |
| 40.0 | | | | Mkr→RefL |
| Center 2.441500 GHz | V 100 kHz | Sween | Span 2.500 MHz 2.67 ms (1001 pts) | Mon 1 of 2 |

(3Mbps) Channel Separation plot on channel 77-78





7.5 AVERAGE TIME OF OCCUPANCY (DWELL TIME)

7.5.1 Applicable Standard

According to FCC Part 15.247(a)(1)(iii) and ANSI C63.10-2013

7.5.2 Conformance Limit

The average time of occupancy on any channel shall not be greater than 0.4s within a period of 0.4s multiplied by the number of hopping channels employed.

7.5.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.4 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT must have its hopping function enabled. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel RBW \geq 1MHz VBW \geq RBW Sweep = as necessary to capture the entire dwell time per hopping channel Detector function = peak Trace = max hold Measure the maximum time duration of one single pulse. Set the EUT for DH5, DH3 and DH1 packet transmitting. Measure the maximum time duration of one single pulse.



7.5.6 Test Results

| EUT: | Handheld terminal | Model No.: | T80S |
|--------------|-------------------|--------------------|--------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | Mode2/Mode3/Mode4 | Test By: | Cheng Jiawen |

| Modulatio n Mode | Channel Number | Packet type | Mode | Hops Over Occupanc | Pulse width | dwell time (ms) | Limit | Verdict |
|---------------------|-------------------|----------------|--------|--------------------------|----------------|--------------------|-------|---------|
| | | | | (ms) | (ms) | | (ms) | |
| | 39 | DH1 | Normal | 320 | 0.408 | 130.560 | <400 | PASS |
| | 39 | | AFH | 160 | 0.408 | 65.280 | <400 | PASS |
| GFSK | 39 | DH3 | Normal | 160 | 1.656 | 264.960 | <400 | PASS |
| OFOR | 39 | DIIJ | AFH | 80 | 1.656 | 132.480 | <400 | PASS |
| | 39 | DH5 | Normal | 106.67 | 2.904 | 309.770 | <400 | PASS |
| | 39 | DHD | AFH | 53.33 | 2.904 | 154.870 | <400 | PASS |
| | 39 | 20114 | Normal | 320 | 0.416 | 133.120 | <400 | PASS |
| | 39 | 2DH1 | AFH | 160 | 0.416 | 66.560 | <400 | PASS |
| π/4- | | 20112 | Normal | 160 | 1.664 | 266.240 | <400 | PASS |
| DQPSK | 39 | 2DH3 | AFH | 80 | 1.664 | 133.120 | <400 | PASS |
| | 39 | 2DH5 | Normal | 106.67 | 2.920 | 311.476 | <400 | PASS |
| | 39 | 2003 | AFH | 53.33 | 2.920 | 155.724 | <400 | PASS |
| | 39 | 20114 | Normal | 320 | 0.424 | 135.680 | <400 | PASS |
| | 39 | 3DH1 | AFH | 160 | 0.424 | 67.840 | <400 | PASS |
| 8DPSK | 39 | 3DH3 | Normal | 160 | 1.656 | 264.960 | <400 | PASS |
| ODROK | 39 | აიია | AFH | 80 | 1.656 | 132.480 | <400 | PASS |
| | 39 | 3DH5 | Normal | 106.67 | 2.912 | 310.623 | <400 | PASS |
| | 39 | 3003 | AFH | 53.33 | 2.912 | 155.297 | <400 | PASS |

Note:

A Period Time = (channel number)*0.4

DH1 Dwell time: Reading * (1600/2)*31.6/(channel number)

DH3 Dwell time: Reading * (1600/4)*31.6/(channel number)

DH5 Dwell time: Reading * (1600/6)*31.6/(channel number)

For Example:

- In normal mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels. With channel hopping rate (1600 / 6 / 79) in Occupancy Time Limit (0.4 x 79) (s), Hops Over Occupancy Time comes to (1600 / 6 / 79) x (0.4 x 79) = 106.67 hops.
- In AFH mode, hopping rate is 800 hops/s with 6 slots in 20 hopping channels. With channel hopping rate (800 / 6 / 20) in Occupancy Time Limit (0.4 x 20) (s), Hops Over Occupancy Time comes to (800 / 6 / 20) x (0.4 x 20) = 53.33 hops.
- 3. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time



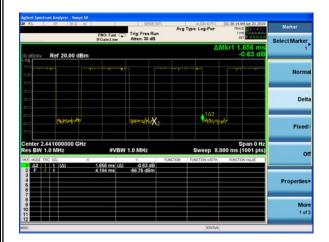
Package Transfer Time Plot CH39-DH1

Test Plot

 Adjuit Section: Sweet SA
 Appendix Section: Sweet SA
 Appendix Section: Status
 Market: Status

 PB 6.
 00.0000
 Trig: Free Rom Section: Status
 Appendix Section: Status
 Market: Status
 Section: Status

Package Transfer Time Plot CH39-DH3



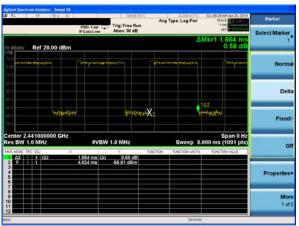
Package Transfer Time Plot CH39-DH5

 Affekt Spectrum Ladyor / Sweight
 Marker

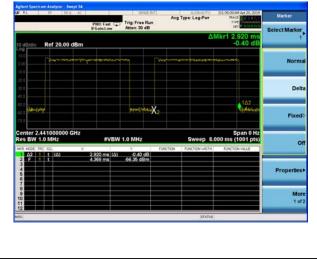
 21 %
 100 min
 100 min<



Package Transfer Time Plot CH39-2DH3







Version.1.2

Page 35 of 53



Test Plot

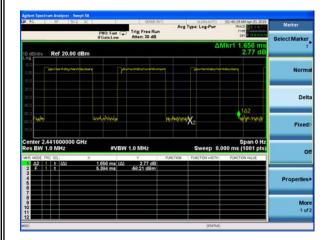
ACCREDITED

Certificate #4298.01

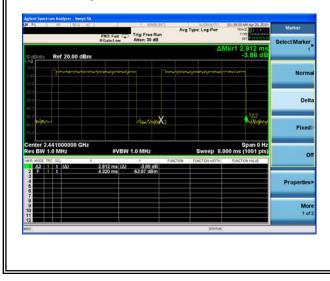
Package Transfer Time Plot CH39-3DH1

| THACE TO BE AND | pe:Log-Pwr | Avg | Trig: Free Run | | | | | |
|--|---|---|--|-------------------------------|---|---|---|--|
| B Galacter Atten: 30 dB Control Atten: 30 dB | | | | | | | | |
| | (Plane) | | Taur | | | | 3ídiv R i | 0 dE 0 g |
| | | 1177 | Pro- | | | 1 | | 0.0 |
| | | | | | | | | |
| | ₩X ₂ 102 | water | -ANALACH | an san distant | Analesina | | hanimt | 10 10 |
| Span 0 Hz Sweep 8.000 ms (1001 pts) | | 1.0 MHz | 00 GHz | | | | | |
| FUNCTION VALUE | FUNCTION WOTH | RINCTION | v 0.55 dB -57.04 dBm | | | (A) | 02 1 1 | 2 |
| | | | | | | | | 3456 |
| | | | | | | | | 7890 |
| µs 18 Ma | <u>الله من المعامة محمد معامة محمد محمد محمد محمد محمد محمد محمد مح</u> | ΔΜκ/1 424.0 0.55 (Δ.Δ. Δ.Δ. Δ.Δ. Δ.Δ. Δ.Δ. Δ.Δ. Δ.Δ. Δ.Δ | ΔMkr1 424.0 0.55 (wd8silg4) χ2 102 (wd8silg4) χ2 102 (comparison of the state of | Trig Free Run Anten: 20 dB | 00. Face Trig: Free Run Atten: 20 eff Trig: Free Run Atten: 20 eff Trig: Free Run Atten: 20 eff 0. Mixt 1 424.0 0 0.55 eff 0. Jac 100 free Run Atten: 20 eff 100 free Run Atten: 20 eff 100 free Run Atten: 20 eff 0. Jac 100 free Run Atten: 20 eff 0.000 free Run Atten: 20 eff 100 free Run Atten: 20 eff 0.000 free Run Atten: 20 eff 0.000 free Run Atten: 20 eff 100 free Run Atten: 20 eff 100 free Run Atten: 20 eff | Internet Title Free Run Attent 20 dB Title Free Run Attent 20 dB Title Free Run Attent 20 dB 0.0 dBm CMMkr1 424.0 0.55 cf 0.0 dBm 0.55 cf 0.55 cf 0.55 cf 0.55 cf 0. | Bit Call Trip: Free Run Trip: Trip: | Proc. Fair () 100 Proc. Fair (|

Package Transfer Time Plot CH39-3DH3



Package Transfer Time Plot CH39-3DH5



Version.1.2



7.6 20DB BANDWIDTH TEST

7.6.1 Applicable Standard

According to FCC Part 15.247(a)(1) and ANSI C63.10-2013

7.6.2 Conformance Limit

No limit requirement.

7.6.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 6.9.2 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel RBW \geq 1% of the 20 dB bandwidth VBW \geq RBW Sweep = auto Detector function = peak Trace = max hold



7.6.6 Test Results

| EUT: | Handheld terminal | Model No.: | T80S |
|--------------|-------------------|--------------------|--------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | Mode2/Mode3/Mode4 | Test By: | Cheng Jiawen |

| Test Channel | Frequency | Measured Bandwidth (KHz) | Limit | Verdict | | |
|--------------|-----------|--------------------------------|-------|---------|--|--|
| | (MHz) | | (kHz) | | | |
| | 1Mbps | | | | | |
| 0 | 2402 | 810.9 | N/A | PASS | | |
| 39 | 2441 | 810.3 | N/A | PASS | | |
| 78 | 2480 | 811.4 | N/A | PASS | | |
| 2Mbps | | | | | | |
| 0 | 2402 | 1260 | N/A | PASS | | |
| 39 | 2441 | 1249 | N/A | PASS | | |
| 78 | 2480 | 1244 | N/A | PASS | | |
| 3Mbps | | | | | | |
| 0 | 2402 | 1265 | N/A | PASS | | |
| 39 | 2441 | 1259 | N/A | PASS | | |
| 78 | 2480 | 1260 | N/A | PASS | | |

Note: N/A (Not Applicable)



Report No.: S19032000702001

Test Plot

20dB Bandwidth plot on channel 00 (1Mbps)



20dB Bandwidth plot on channel 39 (1Mbps)



20dB Bandwidth plot on channel 78 (1Mbps)



20dB Bandwidth plot on channel 00 (2Mbps)



20dB Bandwidth plot on channel 39 (2Mbps)





20dB Bandwidth plot on channel 78 (2Mbps)

Version.1.2



Report No.: S19032000702001

Test Plot

20dB Bandwidth plot on channel 00 (3Mbps)



20dB Bandwidth plot on channel 39 (3Mbps)



20dB Bandwidth plot on channel 78 (3Mbps)



Version.1.2



7.7 PEAK OUTPUT POWER

7.7.1 Applicable Standard

According to FCC Part 15.247(b)(1) and ANSI C63.10-2013

7.7.2 Conformance Limit

The maximum peak conducted output power of the intentional radiator shall not exceed the following: (1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.

7.7.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

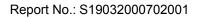
The testing follows ANSI C63.10-2013 clause 7.8.5. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel RBW \geq the 20 dB bandwidth of the emission being measured VBW \geq RBW Sweep = auto Detector function = peak Trace = max hold



7.7.6 Test Results

| EUT: | Handheld terminal | Model No.: | T80S |
|--------------|-------------------|--------------------|--------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Test Mode: | Mode2/Mode3/Mode4 | Test By: | Cheng Jiawen |

| Test Channel | Frequenc y | Power Setting | Peak Output Power | | Verdict |
|-----------------|---------------|------------------|-------------------------|-------|---------|
| | (MHz) | | (dBm) | (dBm) | |
| | | 1MI | bps | | |
| 0 | 2402 | Default | 9.35 | 30 | PASS |
| 39 | 2441 | Default | 7.74 | 30 | PASS |
| 78 | 2480 | Default | 8.45 | 30 | PASS |
| | | | | | |
| 0 | 2402 | Default | 9.04 | 20.97 | PASS |
| 39 | 2441 | Default | 7.49 | 20.97 | PASS |
| 78 | 2480 | Default | 7.54 | 20.97 | PASS |
| | | | | | |
| 0 | 2402 | Default | 8.87 | 20.97 | PASS |
| 39 | 2441 | Default | 7.24 | 20.97 | PASS |
| 78 | 2480 | Default | 7.24 | 20.97 | PASS |



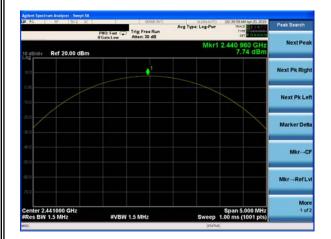


Test Plot

Peak output Power plot on channel 00 (1Mbps)



Peak output Power plot on channel 39 (1Mbps)



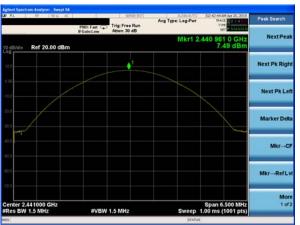
Peak output Power plot on channel 78 (1Mbps)

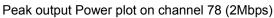


Peak output Power plot on channel 00 (2Mbps)



Peak output Power plot on channel 39 (2Mbps)





Peak Search

Next Pk Rig

Next Pk Le

ker De

Mkr-C

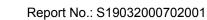
More 1 of 2

Mkr-RefLy

348 0 7.54

Span 6.500 Sweep 1.00 ms (100) Next Pea

Version.1.2



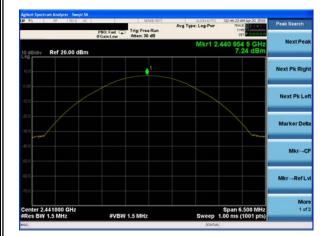


Test Plot

Peak output Power plot on channel 00 (3Mbps)

| μα AL AS 50.0 AC | PNO: Fast Trig: Fr #Gain:Low Atten: 3 | ee Run 10 dB | Avg Type: Log.Pur | 02:47-25 AM Apr 20, 2019 TRACE TYPE A CONSTANT | Peak Search |
|--|--|-----------------|-------------------|--|--------------|
| 10 dB/div Ref 20.00 dBm | | | Mkr1 2. | 402 065 0 GHz 8.87 dBm | NextPeak |
| 100 | | ¢1 | | | Next Pk Righ |
| -10.0 | | | | | Next Pk Let |
| 300 | | | | | Marker Delt |
| 40.0 | | | | | Mkr-+C |
| | | | | | Mkr→RefL |
| Center 2.402000 GHz #Res BW 1.5 MHz | #VBW 1.5 MH | z | Sweep | Span 6.500 MHz 1.00 ms (1001 pts) | Mor 1 of |

Peak output Power plot on channel 39 (3Mbps)



Peak output Power plot on channel 78 (3Mbps)





7.8 CONDUCTED BAND EDGE MEASUREMENT

7.8.1 Applicable Standard

According to FCC Part 15.247(d) and ANSI C63.10-2013

7.8.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.6.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

RBW = 100KHz

VBW = 300KHz

Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.

Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

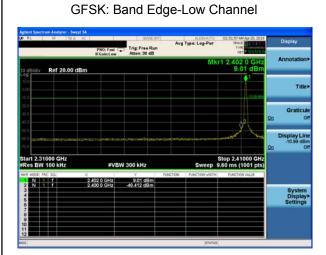
Repeat above procedures until all measured frequencies were complete.



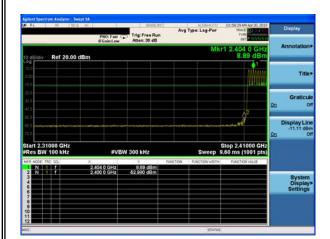
7.8.6 Test Results

| EUT: | Handheld terminal | Model No.: | T80S |
|--------------|----------------------|--------------------|--------------|
| Temperature: | 20 °C | Relative Humidity: | 48% |
| Test Mode: | Mode2 /Mode4/ Mode 5 | Test By: | Cheng Jiawen |

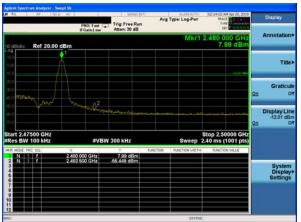
Test Plot



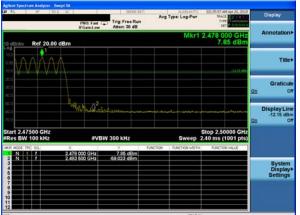
GFSK: Band Edge-Low Channel (Hopping Mode)



GFSK: Band Edge-High Channel



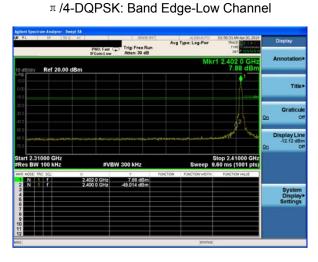
GFSK: Band Edge-High Channel (Hopping Mode)



Version.1.2



Test Plot



π /4-DQPSK: Band Edge-Low Channel

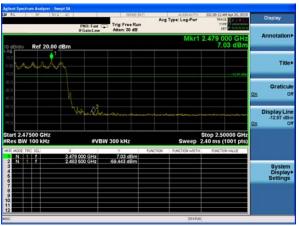
(Hopping Mode)



 Ageinst System
 Solution
 Solution

 π /4-DQPSK: Band Edge-High Channel

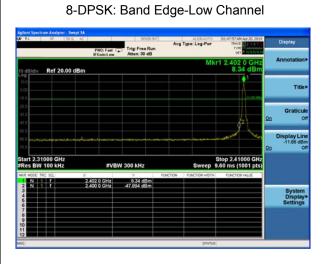
л /4-DQPSK: Band Edge-High Channel (Hopping Mode)









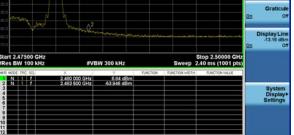


8-DPSK: Band Edge-Low Channel (Hopping Mode)

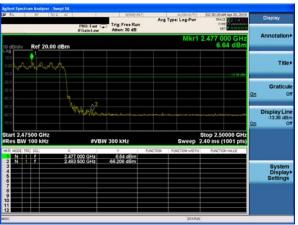


Spectrane Madgiver - Swept Ma The Top of the State of th

8-DPSK: Band Edge-High Channel



8-DPSK: Band Edge-High Channel (Hopping Mode)





7.9 SPURIOUS RF CONDUCTED EMISSION

7.9.1 Applicable Standard

According to FCC Part 15.247(d) and ANSI C63.10-2013.

7.9.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.9.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.9.4 Test Setup

Please refer to Section 6.1 of this test report.

7.9.5 Test Procedure

Establish an emission level by using the following procedure:

a) Set the center frequency and span to encompass frequency range to be measured.

b) Set the RBW = 100 kHz.

- c) Set the VBW \geq [3 \times RBW].
- d) Detector = peak.

e) Sweep time = auto couple.

f) Trace mode = max hold.

g) Allow trace to fully stabilize.

h) Use the peak marker function to determine the maximum amplitude level. Then the limit shall be attenuated by at least 20 dB relative to the maximum amplitude level in 100 kHz.

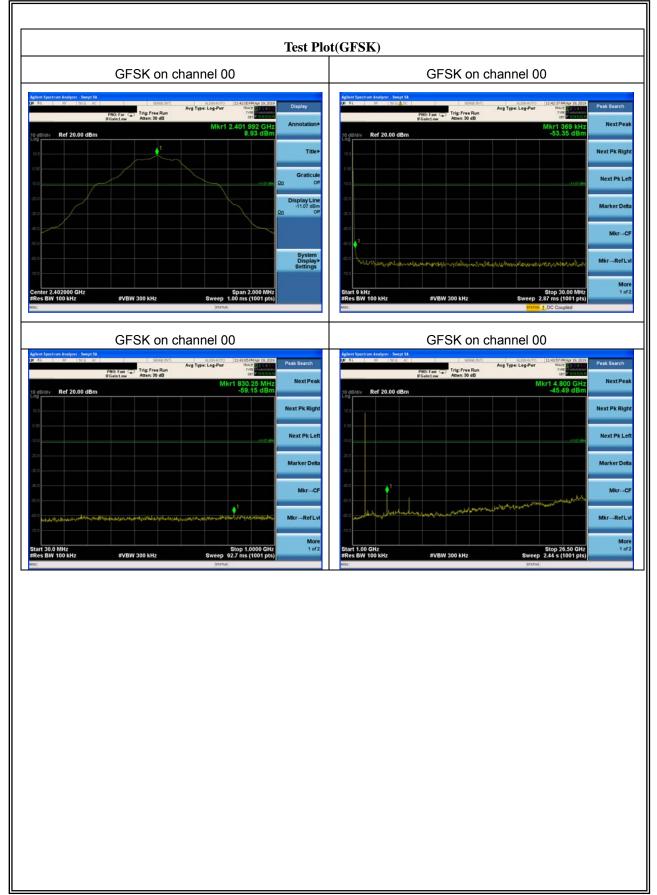
7.9.6 Test Results

Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.

The worst mode is GFSK mode, and the report only show the worst mode data.

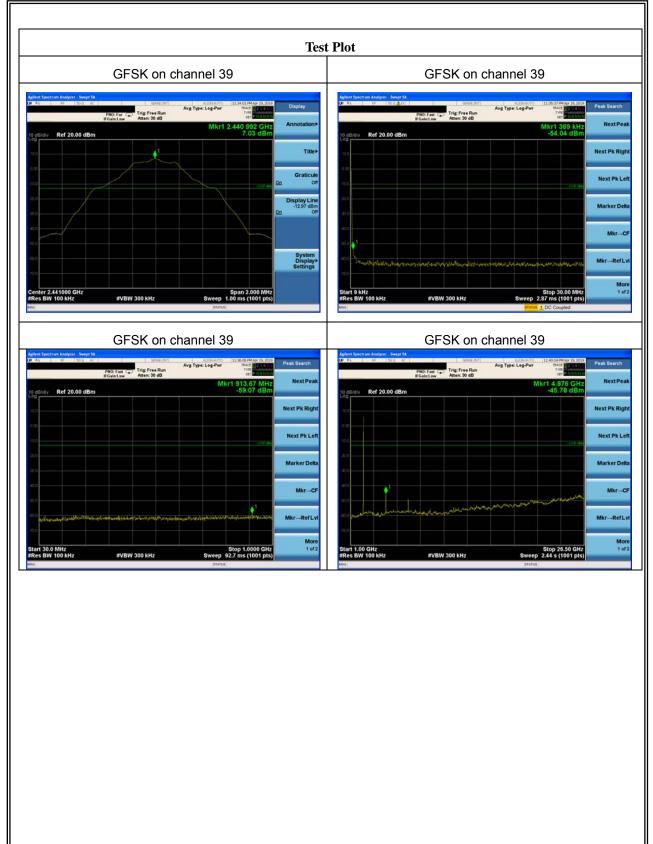






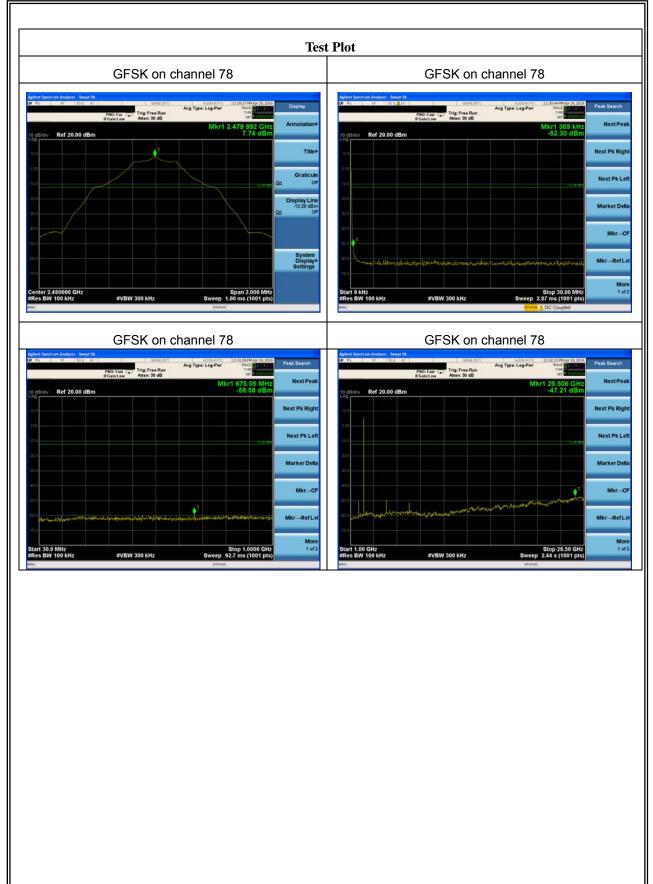














7.10 ANTENNA APPLICATION

7.10.1 Antenna Requirement

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible partyshall be used with the device.

7.10.2 Result

The EUT antenna is permanent attached PIFA antenna (Gain: 0.7dBi). It comply with the standard requirement.

END OF REPORT