

TEST REPORT

Report No.: BCTC2408028722E

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY

CO.,LTD

Product Name: Tablet

Test Model: RT9

Tested Date: 2024-07-03 to 2024-09-03

Issued Date: 2024-09-03

Shenzhen BCTC Testing Co., Ltd.



No.: BCTC/RF-EMC-005 Page 1 of 244 Edition: B.2



FCC ID: 2ANMU-RT9

Product Name: Tablet

Trademark: OUKITEL

Model/Type Ref.: RT9

RT9 S, RT9 Pro, RT9 Ultra, RT9 TITAN

Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD

Address: A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE,

GUANLAN, LONGHUA SHENZHEN, 518XXX China

Manufacturer: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD

Address: A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE,

GUANLAN, LONGHUA SHENZHEN, 518XXX China

Prepared By: Shenzhen BCTC Testing Co., Ltd.

Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng,

Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Sample Received Date: 2024-07-03

Sample tested Date: 2024-07-03 to 2024-09-03

Issue Date: 2024-09-03

IEEE Std C95.1, 2019

Test Standards: IEEE Std 1528™-2013

FCC Part 2.1093

Test Results: PASS

Remark: This is SAR test report

Tested by:

Min zhi Cheng

Min Zhi Cheng/ Project Handler

Approved by:

Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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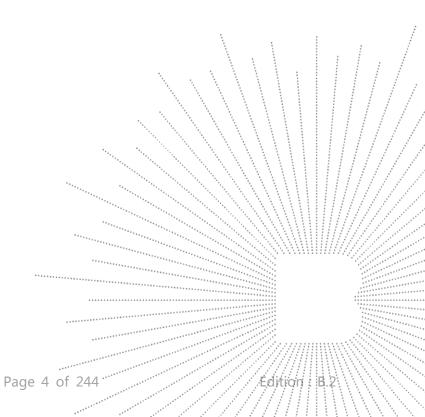
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(Note: N/A Means Not Applicable)

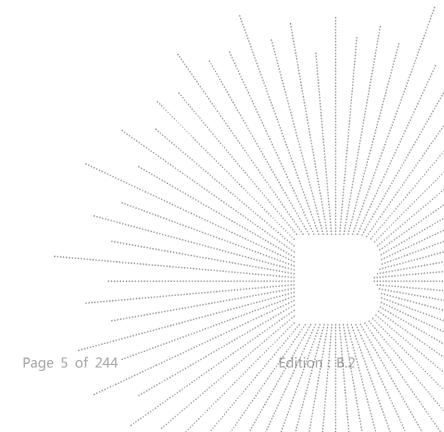


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1. Version

| Report No. | Issue Date | Description | Approved |
|-----------------|------------|-------------|----------|
| BCTC2408028722E | 2024-09-03 | Original | Valid |
| | | | |



No.: BCTC/RF-EMC-005



Test Standards 2.

No.: BCTC/RF-EMC-005

IEEE Std C95.1-2019: IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz. It specifies the maximum exposure limit of 1.6 W/kg as averaged over any 1 gram of tissue for portable devices being used within 20 cm of the user in the uncontrolled environment.

FCC Part 2.1093 Radiofrequency Radiation Exposure Evaluation: Portable Devices

KDB 447498 D01 General RF Exposure Guidance v06: Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies

KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04: SAR Measurement Requirements for 100 MHz to 6 GHz

KDB 865664 D02 RF Exposure Reporting v01r02: RF Exposure Compliance Reporting and Documentation Considerations

KDB 248227 D01 802.11 Wi-Fi SAR v02r02: SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS KDB 941225 D01 3G SAR Procedures: 3G SAR MEAUREMENT PROCEDURES

KDB 941225 D05 SAR for LTE Devices: SAR EVALUATION CONSIDERATIONS FOR LTE DEVICES

KDB 941225 D06 Hotspot Mode v02r01: SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES

KDB 648474 D04 Handset SAR v01r03: SAR EVALUATION CONSIDERATIONS FOR WIRELESS **HANDSETS**

KDB 648474 D04 Handset SAR v01r03: SAR EVALUATION CONSIDERATIONS FOR WIRELESS **HANDSETS**

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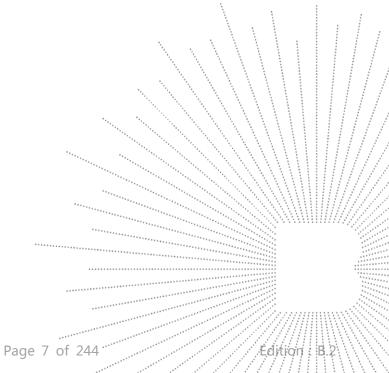


3. Test Summary

The maximum results of Specific Absorption Rate (SAR) have found during testing are as follows:

| Eroguanay Band | Report SA | SAR _{1g} Limit (W/kg) | |
|---------------------------|----------------------------------|--------------------------------|-----|
| Frequency Band | Body (0mm Gap) Hotspot (0mm Gap) | | |
| Bluetooth | 0.058 | 1 | 1.6 |
| WIFI 2.4G | 0.118 | 0.141 | 1.6 |
| WIFI 5G | 0.445 | 0.387 | 1.6 |
| GSM | 0.678 | 0.678 | 1.6 |
| WCDMA | 0.752 | 0.540 | 1.6 |
| LTE | 0.808 | 0.816 | 1.6 |
| Simultaneous Transmission | 1.250 | 1.203 | 1.6 |

The device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-2019, and had been tested in accordance with the measurement methods and procedure specified in IEEE 1528-2013.



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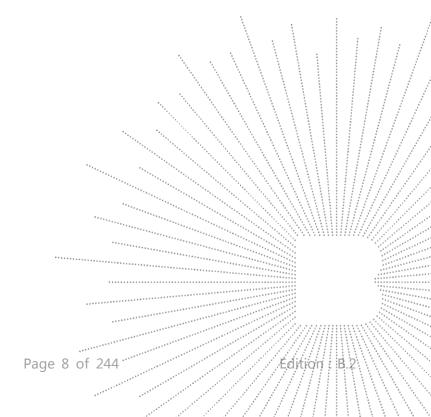
4. SAR Limits

FCC Limit (1g Tissue)

| | SAR (W/kg) | | | | |
|--|--|--|--|--|--|
| EXPOSURE LIMITS | (General Population / Uncontrolled Exposure Environment) | (Occupational / Controlled Exposure Environment) | | | |
| Spatial Average(averaged over the whole body) | 0.08 | 0.4 | | | |
| Spatial Peak(averaged over any 1 g of tissue) | 1.6 | 8.0 | | | |
| Spatial Peak(hands/wrists/ feet/anklesaveraged over 10 g) | 4.0 | 20.0 | | | |

Population/Uncontrolled Environments are defined as locations where there is the exposure of individual who have no knowledge or control of their exposure.

Occupational/Controlled Environments are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure (i.e. as a result of employment or occupation).



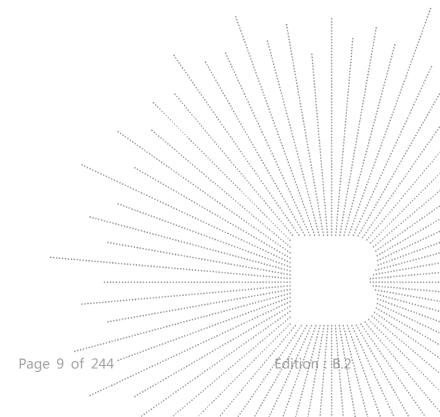
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5. Measurement Uncertainty

Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is <3.75 W/kg. The expanded SAR measurement uncertainty must be \leq 30%, for a confidence interval of k=2. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval.

Therefore, the measurement uncertainty is not required.



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6. Product Information and Test Setup

6.1 Product Information

Model/Type reference: RT9

RT9 S, RT9 Pro, RT9 Ultra, RT9 TITAN

Model differences: All the model are the same circuit and RF module, except model names.

Hardware Version: T40_9230TMB_D4XUF_V1.0

Software Version: V01

Ratings: DC 9V from adapter/DC 3.87V from battery

Model: HJ-FC001K7-US

Input: 100-240V- 50/60Hz 0.6A Output: 5.0V 3.0A 15.0W

OR 9.0V 2.0A 18.0W

OR 12.0V ___ 1.5A 18.0W MAX

Bluetooth

Adapter Information:

Operation Frequency: 2402-2480MHz

Type of Modulation: GFSK, π/ 4 DQPSK, 8DPSK

Number Of Channel 79CH

Antenna installation: Internal antenna

1.33 dBi Remark:

Antenna Gain:

The antenna gain of the product comes from the antenna report provided by the

customer, and the test data is affected by the customer information.

The antenna gain of the product is provided by the customer, and the test data

is affected by the customer information.

BLE

Operation Frequency: 2402-2480MHz

Type of Modulation: GFSK

Data Rate: LE 1M PHY, LE 2M PHY

Number Of Channel 40CH

Antenna installation: Internal antenna

1.33 dBi Remark:

Antenna Gain:

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WIFI 2.4G

Operation Frequency: 802.11b/g/n20MHz:2412~2462 MHz 802.11n40MHz:2422~2452 MHz

802.11b:11/5.5/2/1 Mbps

Bit Rate of Transmitter

802.11g:54/48/36/24/18/12/9/6Mbps

802.11n Up to 150Mbps

Type of Modulation: OFDM/DSSS

Number Of Channel 802.11b/g/n20MHz:11 CH

802.11n40MHz: 7 CH

1.33 dBi Remark:

Antenna Gain:

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WIFI 5G

IEEE 802.11 WLAN Mode Supported 802.11a/n/ac(20MHz channel bandwidth) 802.11n/ac(40MHz channel bandwidth) 802.11ac(80MHz channel bandwidth)

5180-5240MHz for 802.11a/n(HT20); 5190-5230MHz for 802.11n(HT40):

Operation Frequency:

5210MHz for 802.11 ac80; 5745-5825 MHz for 802.11a/n(HT20);

5755-5795 MHz for 802.11n(HT40);

5775MHz for 802.11 ac80;

802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40):MCS0-MCS15;

Data Rate 802.111ac(VHT20): NSS1, MCS0-MCS8

802.11ac(VHT40/VHT80):NSS1, MCS0-MCS

Type of Modulation: OFDM with BPSK/QPSK/16QAM/64QAM/256QAM

for 802.11a/n/ac;

4 channels for 802.11a/n20 in the 5180-5240MHz band; 2 channels for 802.11 n40 in the 5190-5230MHz band; 1 channels for 802.11 ac80 in the 5210MHz band;

Number Of Channel 5 channels for 802.11 acoo in the 52 folding band; 5 channels for 802.11a/n20 in the 5745-5825MHz band;

2 channels for 802.11 n40 in the 5745-5795MHz band;

1 channels for 802.11 ac80 in the 5775MHz band

Antenna installation: Internal antenna

5.1G: 1.11 dBi 5.8G: 1.11 dBi

Remark:

Antenna Gain:

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2G, 3G

GSM/GPRS/EGPRS 850: TX: 824~849MHz; RX: 869~894MHz;

GSM/GPRS/EGPRS 1900: TX:1850~1910MHz; RX:1930~1990MHz;

Operation Frequency: WCDMA Band II: TX: 1852.40~1907.60MHz; Rx: 1932.60~1987.40MHz; WCDMA Band IV: TX: 1712.40~1752.60MHz; RX: 2112.60 - 2452.40MHz

WCDMA Band V: TX: 826.40~846.60MHz; RX: 871.40~ 891.60MHz;

GPRS Class: Class 12

GSM/GPRS/EGPRS 850: 33.01 dBm,

GSM/GPRS/EGPRS 1900: 29.97 dBm

Max RF Output Power: WCDMA Band II: 22.70 dBm

WCDMA Band IV: 22.48 dBm WCDMA Band V: 22.76 dBm GSM with GMSK Modulation

WCDMA Mode with BPSK Modulation

Type of Modulation: HSDPA Mode with QPSK, 16QAM Modulation

HSUPA Mode with QPSK, 16QAM Modulation

GSM/GPRS 850: 251KGXW

EGPRS 850:246KG7W

GSM/GPRS 1900: 247KGXW

Type of Emission: EGPRS 1900:251KG7W

> WCDMA Band II: 4M20F9W WCDMA Band IV: 4M17F9W

WCDMA Band V: 4M17F9W

Antenna installation: Internal antenna

> GSM850: -2.16 dBi GSM1900: 2.44 dBi WCDMA Band II: 2.44 dBi WCDMA Band IV: 0.92 dBi WCDMA Band V: -2.16 dBi

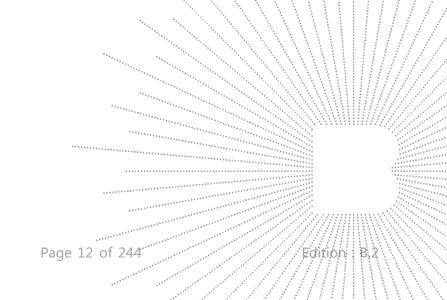
Antenna Gain: Remark:

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LTE Band 2: 1850 MHz ~ 1910 MHz
LTE Band 4: 1710 MHz ~ 1755 MHz
LTE Band 5: 824 MHz ~ 849 MHz
LTE Band 7: 2500MHz-2570MHz
LTE Band 12: 699 MHz ~ 716 MHz
LTE Band 17: 704MHz-716MHz
LTE Band 25: 1850MHz~1915MHz
LTE Band 26: 814MHz-824MHz
LTE Band 66: 1710MHz ~ 1780MHz
LTE Band 66: 1710MHz ~ 1780MHz
LTE Band 2: 1930 MHz ~ 1990 MHz
LTE Band 4: 2110 MHz ~ 2155 MHz
LTE Band 5: 869 MHz ~ 894 MHz

Rx Frequency:

LTE Band 12: 729 MHz ~ 746 MHz LTE Band 17: 734MHz-746MHz LTE Band 25: 1930MHz~1995MHz LTE Band 26: 859MHz-869MHz 869MHz-894MHz

LTE Band 7: 2620MHz-2690MHz

LTE Band 66: 2110MHz ~ 2200MHz

LTE Band 2: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz LTE Band 4: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz

LTE Band 5: 1.4MHz /3MHz /5MHz /10MHz LTE Band 7: 5MHz /10MHz /15MHz /20MHz LTE Band 12: 1.4MHz /3MHz /5MHz /10MHz

Bandwidth:

Antenna Gain:

LTE Band 17: 5MHz /10MHz

LTE Band 25: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz

LTE Band 26: 1.4MHz /3MHz /5MHz /10MHz

1.4MHz /3MHz /5MHz /10MHz /15MHz

LTE Band 66: 1.4MHz /3MHz /5MHz /10MHz /15MHz /20MHz

Type of Modulation: QPSK/16QAM
Antenna Type: Internal Antenna

LTE Band 2: 2.44 dBi LTE Band 4: 0.97 dBi LTE Band 5: -2.16 dBi LTE Band 7: 0.89 dBi

LTE Band 12: -2.58 dBi LTE Band 17: -2.58 dBi LTE Band 25: 2.44 dBi LTE Band 26: -2.16 dBi LTE Band 66: 0.97 dBi

LI

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6.2 Test Setup Configuration

See test photographs attached in EUT TEST SETUP PHOTOGRAPHS for the actual connections between Product and support equipment.

6.3 Support Equipment

Cable of Product

| No. | Cable Type | Quantity | Provider | Length (m) | Shielded | Note |
|-----|------------|----------|-----------|------------|----------|------|
| 1 | | | Applicant | | Yes/No | |
| 2 | | | встс | | Yes/No | |

| No. | Device Type | Brand | Model | Series No. | Note |
|-----|-------------|-------|-------|------------|------|
| 1. | | | | | |
| 2. | | | | | |

Notes:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

6.4 Test Environment

1. Normal Test Conditions:

| Humidity(%): | 35-75 | | |
|----------------------------|--------|--|--|
| Atmospheric Pressure(kPa): | 95-105 | | |
| Temperature(°C): | 18-25 | | |

2. Extreme Test Conditions:

N/A

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7. Test Facility and Test Instrument Used

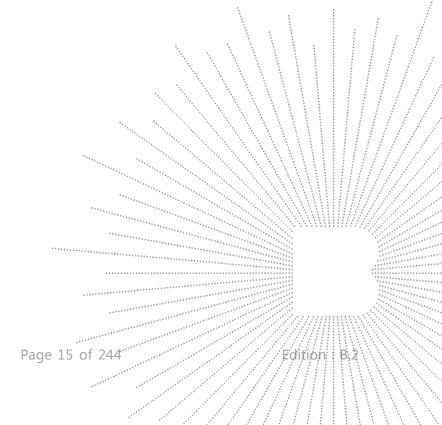
7.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850 A2LA certificate registration number is: CN1212

ISED Registered No.: 23583 ISED CAB identifier: CN0017

No.: BCTC/RF-EMC-005





7.2 Test Instrument Used

| | | | T | | |
|--|---------------|----------|---------------------------|---------------|---------------|
| Equipment | Manufacturer | Model# | Serial# | Last Cal. | Next Cal. |
| PC | DELL | \ | \ | N/A | N/A |
| SAR Measurement system | SATIMO | 1 | \ | N/A | N/A |
| Signal Generator | Keysight | 83711B | US37100131 | Aug. 29, 2023 | Aug. 28, 2024 |
| Multimeter | Keithley | 1160271 | \ | Nov. 10, 2023 | Nov 09, 2024 |
| S-parameter Network Analyzer | R&S | ZVB 8 | 101353 | Dec. 07, 2023 | Dec. 06, 2024 |
| Wideband Radio Communication Tester | R&S | CMW500 | \ | Nov. 10, 2023 | Nov 09, 2024 |
| E SAR PROBE 6GHz | MVG | SSE2 | 2623-EPGO-420 | July 18, 2023 | July 17, 2024 |
| DIPOLE 750 | SATIMO | SID 750 | SN 47/21 DIP 0G750-620 | Nov. 25, 2021 | Nov. 24, 2024 |
| DIPOLE 835 | SATIMO | SID 835 | SN 47/21 DIP 0G835-621 | Nov. 25, 2021 | Nov. 24, 2024 |
| DIPOLE 1800 | SATIMO | SID 1800 | SN 47/21 DIP 1G800-623 | Nov. 25, 2021 | Nov. 24, 2024 |
| DIPOLE 1900 | SATIMO | SID 1900 | SN 47/21 DIP 1G900-624 | Nov. 25, 2021 | Nov. 24, 2024 |
| DIPOLE 2450 | SATIMO | SID 2450 | SN 47/21 DIP 2G450-627 | Nov. 25, 2021 | Nov. 24, 2024 |
| DIPOLE 5000 | SATIMO | SID 5000 | SN 47/21 DIP 5G000-629 | Nov. 25, 2021 | Nov. 24, 2024 |
| COMOSAR OPENCoaxial Probe | SATIMO | \ | \ | Nov. 18, 2022 | Nov. 17, 2023 |
| SAR Locator | SATIMO | \ | \ | Nov. 18, 2023 | Nov. 17, 2024 |
| Communication Antenna | SATIMO | \ | \ | Nov. 18, 2023 | Nov. 17, 2024 |
| FEATURE PHONEPOSITIONING DEVICE | SATIMO | \ | \ | N/A | N/A |
| DUMMY PROBE | SATIMO | \ | \ | N/A | N/A |
| SAM Phantom | MVG | 1 | SN 13/09 SAM68 | N/A | N/A |
| Liquid measurement Kit | HP | 85033D | 3423A08186 | N/A | N/A |
| Power meter | Agilent | E4419 | \ | May 15, 2023 | May 14, 2024 |
| Power meter | Agilent | E4419 | 1 | May 15, 2023 | May 14, 2024 |
| Power sensor | Agilent | E9300A | \ | May 15, 2023 | May 14, 2024 |
| Power sensor | Agilent | E9300A | 1 | May 15, 2023 | May 14, 2024 |
| Directional Coupler | Krytar 158020 | 131467 | \ | Nov. 10, 2023 | Nov 09, 2024 |
| Thermometer | BTE | 1 | 1 | Dec. 02, 2023 | Dec. 01, 2024 |
| Broad Band Tissue Simulation Liquid | Schmid | 1 | | N/A | N/A |

Note

Per KDB865664D01 requirements for dipole calibration, the test laboratory has adopted three year extended calibration interval. Each measured dipole is expected to evalute with following criteria at least on annual interval.

- 1. There is no physical damage on the dipole;
- 2. System check with specific dipole is within 10% of calibrated values;
- 3. The most recent return-loss results, measued at least annually, deviates by no more than 20% from the previous measurement;
- from the previous measurement;
 4. The most recent measurement of the real or imaginary parts of the impedance, measured at least annually is within 5Ω from the provious measurement.

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8. Specific Absorption Rate (SAR)

8.1 Introduction

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techiques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

8.2 SAR Definition

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

SAR is expressed in units of Watts per kilogram (W/kg)

SAR measurement can be either related to the temperature elevation in tissue by

$$SAR = C\left(\frac{\delta T}{\delta t}\right)$$

Where: C is the specific heat capacity, δ T is the temperature rise and δ t is the exposure duration, or related to the

electrical field in the tissue by

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: σ is the conductivity of the tissue and E is the RMS electrical field strength.

However for evaluating SAR of low power transmitter, electrical field measurement is typically applied.

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9. SAR Measurement System

9.1 The Measurement System

Comosar is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The Comosar system consists of the following items:

- Main computer to control all the system
- 6 axis robot
- Data acquisition system
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.



The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The OpenSAR software computes the results to give a SAR value in a 1g or 10g mass.

9.2 Probe

For the measurements the Specific Dosimetric E-Field Probe SN 46/21 EPGO362 with following specifications is used

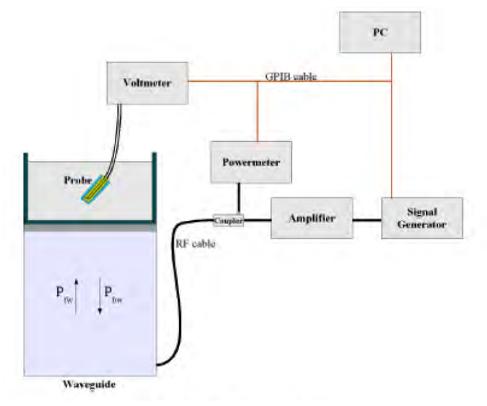
- Dynamic range: 0.01-100 W/kg
- Tip Diameter: 5 mm
- Distance between probe tip and sensor center: 2.10mm
- Distance between sensor center and the inner phantom surface: 4 mm (repeatability better than +/- 1mm)
- Probe linearity: <0.25 dB
- Axial Isotropy: <0.25 dB
- Spherical Isotropy: <0.50 dB
- Calibration range: 835 to 2500MHz for head & body simulating liquid.

Angle between probe axis (evaluation axis) and surface normal line:1ess than 30°

Probe calibration is realized, in compliance with EN 62209-1 and IEEE 1528 STD, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the EN 62209-1 annex technique using reference guide at the five frequencies.

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$$SAR = \frac{4(p_{\int w} - p_{\text{pbw}})}{ab\delta} \cos^2 (\pi \frac{y}{a}) c^{(2\pi/\delta)}$$

Where:

Pfw = Forward Power Pbw = Backward Power

a and b = Waveguide dimensions

I = Skin depth

Keithley configuration:

Rate = Medium; Filter = ON; RDGS = 10; Filter type = Moving Average; Range auto after each calibration, a SAR measurement is performed on a validation dipole and compared with a NPL calibrated probe, to verify it.

The calibration factors, CF(N), for the 3 sensors corresponding to dipole 1, dipole 2 and dipole 3 are:

$$CF(N)=SAR(N)/Vlin(N)$$
 (N=1,2,3)

The linearised output voltage Vlin(N) is obtained from the displayed output voltage V(N) using

$$Vlin(N)=V(N)*(1+V(N)/DCP(N))*(N=1,2,3)*$$

where DCP is the diode compression point in mV.

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9.3 Probe Calibration Process

Dosimetric Assessment Procedure

Each E-Probe/Probe Amplifier combination has unique calibration parameters. SATIMO Probe calibration procedure is conducted to determine the proper amplifier settings to enter in the probe parameters. The amplifier settings are determined for a given frequency by subjecting the probe to a known E-field density (1 mW/cm2) using an with CALISAR, Antenna proprietary calibration system.

Free Space Assessment Procedure

The free space E-field from amplified probe outputs is determined in a test chamber. This calibration can be performed in a TEM cell if the frequency is below 1 GHz and in a waveguide or other methodologies above 1 GHz for free space. For the free space calibration, the probe is placed in the volumetric center of the cavity and at the proper orientation with the field. The probe is rotated 360 degrees until the three channels show the maximum reading. The power density readings equates to 1mW/cm2.

Temperature Assessment Procedure

E-field temperature correlation calibration is performed in a flat phantom filled with the appropriate simulated head tissue. The E-field in the medium correlates with the temperature rise in the dielectric medium. For temperature correlation calibration a RF transparent thermistor-based temperature probe is used in conjunction with the E-field probe.

Where:

$$SAR = C \frac{\Delta T}{\Delta t}$$

 Δ t = exposure time (30 seconds),

C = heat capacity of tissue (brain or muscle),

 \triangle T = temperature increase due to RF exposure.

SAR is proportional to $\Delta T/\Delta t$, the initial rate of tissue heating, before thermal diffusion takes place. The electric field in the simulated tissue can be used to estimate SAR by equating the thermally derived SAR to that with the E- field component.

$$SAR = \frac{\left|\mathbf{E}\right|^2 \cdot \boldsymbol{\sigma}}{\rho}$$

Where:

σ = simulated tissue conductivity,

 ρ = Tissue density (1.25 g/cm3 for brain tissue)

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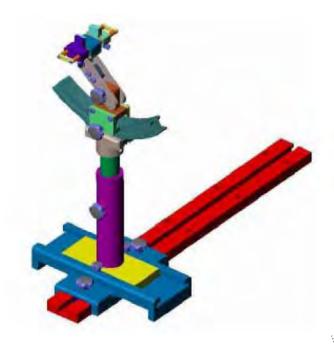


9.4 Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.

9.5 Device Holder

The positioning system allows obtaining cheek and tilting position with a very good accuracy. In compliance with CENELEC, the tilt angle uncertainty is lower than 1°.



| System Material | Permittivity | Loss Tangent |
|-----------------|--------------|--------------|
| Delrin | 3.7 | 0.005 |

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10. Tissue Simulating Liquids

10.1 Composition of Tissue Simulating Liquid

For the measurement of the field distribution inside the SAM phantom with SMTIMO, the phantom must be filled with around 25 liters of homogeneous body tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. Please see the following photos for the liquid height.



Liquid Height for Body SAR

The Composition of Tissue Simulating Liquid

| Frequency (MHz) | Water (%) | Salt (%) | 1,2-Propane diol (%) | HEC (%) | Preventol (%) | DGBE (%) | | |
|--------------------|-----------|----------|-------------------------|---------|------------------|----------|--|--|
| | Head/Body | | | | | | | |
| 835 | 40.3 | 1.4 | 57.9 | 0.2 | 0.2 | . 0 | | |
| 900 | 40.3 | 1.4 | 57.9 | 0.2 | 0.2 | 0 | | |
| 1800-2000 | 55.2 | 0.3 | 0 | 0 . | 0 | 44.5 | | |
| 2450 | 55.0 | 0.1 | 0 | 0 | 0 | 44.9 | | |
| 2600 | 54.9 | 0.1 | 0 | 0 . | 0 | 45.0 | | |

| Frequency (MHz) | Water (%) | Hexyl Carbitol (%) | | Triton X-100 (%) | |
|--------------------|-----------|--------------------|--|----------------------------------|--|
| | | Head/Body | The State of the S | N. N. N. N. N. N. H. H. H. J. J. | |
| 5000-6000 | 65.52 | 17.24 | | 17.24 | |

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10.2 Limit

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in P1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head and body tissue parameters that have not been specified in P1528 are derived from the tissue dielectric parameters

computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in P1528.

| Torget Frequency (MHz) | Head | | | | |
|------------------------|---------------------------|---------------------|--|--|--|
| Target Frequency (MHz) | Conductivity (σ) | Permittivity (& r) | | | |
| 150 | 0.76 | 52.3 | | | |
| 300 | 0.87 | 45.3 | | | |
| 450 | 0.87 | 43.5 | | | |
| 750 | 0.89 | 41.9 | | | |
| 835 | 0.90 | 41.5 | | | |
| 900 | 0.97 | 41.5 | | | |
| 915 | 0.98 | 41.5 | | | |
| 1450 | 1.20 | 40.5 | | | |
| 1610 | 1.29 | 40.3 | | | |
| 1800-2000 | 1.40 | 40.0 | | | |
| 2450 | 1.80 | 39.2 | | | |
| 2600 | 1.96 | 39.0 | | | |
| 3000 | 2.40 | 38.5 | | | |
| 5200 | 4.66 | 36.0 | | | |
| 5400 | 4.86 | 35.8 | | | |
| 5600 | 5.07 | 35.5 | | | |
| 5800 | 5.27 | 35.3 | | | |

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10.3 Tissue Calibration Result

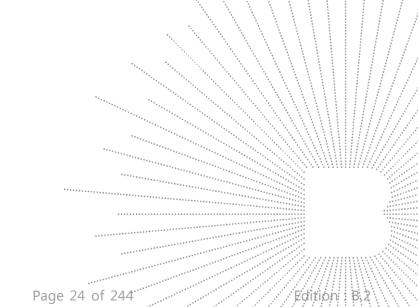
The dielectric parameters of the liquids were verified prior to the SAR evaluation using an R&S ZVB 8. Dielectric Probe Kit and an Agilent Network Analyzer.

Calibration Result for Dielectric Parameters of Tissue Simulating Liquid

| Frequency (MHz) | Liquid | Target (σ) | Target (E r) | Measured (σ) | Measured (\mathcal{E} r) | Delta (σ)% | Delta (ℰ r)% | Limit (%) | Temp. TSL (°C) | Date |
|--------------------|--------|---------------|------------------|-----------------|--------------------------------|---------------|------------------|--------------|----------------------|-----------|
| 750 | Head | 0.89 | 41.90 | 0.870 | 42.601 | -2.25 | 1.67 | ±5 | 23.8 | 14/8/2024 |
| 835 | Head | 0.90 | 41.50 | 0.931 | 40.647 | 3.44 | -2.06 | ±5 | 21.9 | 5/8/2024 |
| 1800 | Head | 1.40 | 40.00 | 1.371 | 38.541 | -2.07 | -3.65 | ± 5 | 23.5 | 12/8/2024 |
| 1900 | Head | 1.40 | 40.00 | 1.419 | 40.493 | 1.36 | 1.23 | ±5 | 23.6 | 13/8/2024 |
| 2450 | Head | 1.80 | 39.20 | 1.772 | 38.934 | -1.56 | -0.68 | ±5 | 23.6 | 15/8/2024 |
| 2600 | Head | 1.96 | 39.00 | 2.008 | 39.574 | 2.45 | 1.47 | ±5 | 23.8 | 14/8/2024 |
| 5200 | Head | 4.66 | 36.00 | 4.626 | 35.550 | -0.73 | -1.25 | ±5 | 23.6 | 15/8/2024 |
| 5800 | Head | 5.27 | 35.30 | 5.192 | 34.666 | -1.48 | -1.80 | ±5 | 23.6 | 15/8/2024 |

Remark:

- 1. The temperature of the tissue-equivalent medium used during measurement must also be within 18°C to 25°C and within ± 2°C of the temperature when the tissue parameters are characterized.
- 2. The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 3 4 days of use; or earlier if the dielectric parameters can become out of tolerance; for example, when the parameters are marginal at the beginning of the measurement series.



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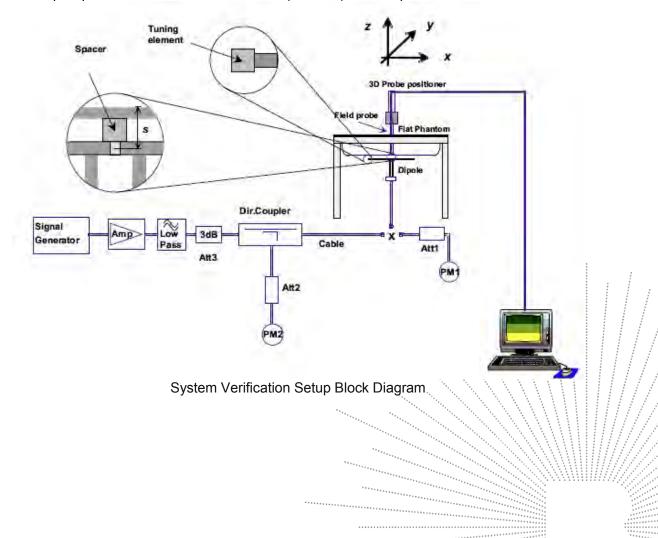
11. System Check

11.1 Purpose of System Performance Check

At the device test frequencies. System check verifies the measurement repeatability of a SAR system before compliance testing and is not a validation of all system specifications. The latter is not required for testing a device but is mandatory before the system is deployed. The system check detects possible short-term drift and unacceptable measurement errors or uncertainties in the system.

11.2 System Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave which comes from a signal generator at frequency 600MHz-6000MHz. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The output power on dipole port must be calibrated to 20 dBm (100 mW) before dipole is connected.



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Setup Photo of Dipole Antenna

11.3 Validation Results

Comparing to the original SAR value provided by SATIMO, the validation data should be within its specification of 10 %. The following table shows the target SAR and measured SAR after normalized to 1W input power. The table below indicates the system performance check can meet the variation criterion.

| Frequency (MHz) | Power | Measured SAR _{1g} (W/Kg) | Normalize to 1 Watt | Drift (%) | 1W Target SAR _{1g} (W/Kg) | Difference Percentage (%) | Limit (%) | Liquid Temp | Date |
|--------------------|-------|---|------------------------|--------------|--|---------------------------------|--------------|----------------|-----------|
| 750 | 250mW | 2.190 | 8.760 | -3.244 | 8.58 | 2.098 | ±10 | 23.5 | 14/8/2024 |
| 835 | 250mW | 2.487 | 9.948 | 3.630 | 10.01 | -0.619 | ±10 | 22.1 | 5/8/2024 |
| 1800 | 250mW | 9.767 | 39.066 | -1.289 | 39.74 | -1.696 | ±10 | 23.3 | 12/8/2024 |
| 1900 | 250mW | 10.348 | 41.391 | -0.633 | 41.26 | 0.317 | ±10 | 23.3 | 13/8/2024 |
| 2450 | 250mW | 13.299 | 53.195 | 1.879 | 55.16 | -3.562 | ±10 | 23.4 | 15/8/2024 |
| 2600 | 250mW | 13.532 | 54.129 | 2.747 | 56.5 | -4.196 | ±10 | 23.5 | 14/8/2024 |
| 5200 | 250mW | 19.929 | 79.716 | -1.296 | 76.41 | | ±10 | 23.4 | 15/8/2024 |
| 5800 | 250mW | 20.078 | 80.312 | -3.046 | ····76:49····· | 4.997 | ±10 | 23.4 | 15/8/2024 |

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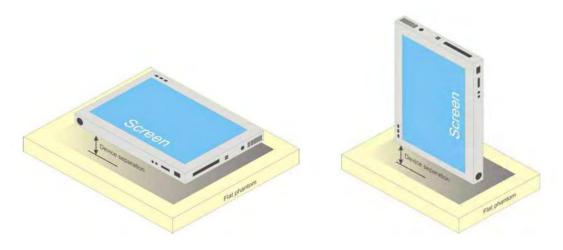
12. EUT Testing Position

Body Position

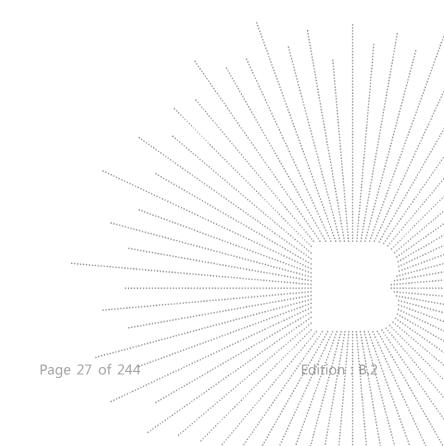
A typical example of a body supported device is a wireless enabled laptop device that among other orientations may be supported on the thighs of a sitting user. To represent this orientation, the device shall be positioned with its base against the flat phantom. Other orientations may be specified by the manufacturer in the user instructions. If the intended use is not specified, the device shall be tested directly against the flat phantom in all usable orientations.

The example shows a tablet form factor portable computer for which SAR should be separately assessed with

- a). each surface and
- b). the separation distances



Tablet form factor portable computer



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13. SAR Measurement Procedures

13.1 Measurement Procedures

The measurement procedures are as follows:

- (a) Use base station simulator (if applicable) or engineering software to transmit RF power continuously (continuous Tx) in the highest power channel.
- (b) Keep EUT to radiate maximum output power or 100% factor (if applicable)
- (c) Measure output power through RF cable and power meter.
- (d) Place the EUT in the positions as Annex D demonstrates.
- (e) Set scan area, grid size and other setting on the SATIMO software.
- (f) Measure SAR results for the highest power channel on each testing position.
- (g) Find out the largest SAR result on these testing positions of each band
- (h) Measure SAR results for other channels in worst SAR testing position if the SAR of highest power channel is larger than 0.8 W/kg

According to the test standard, the recommended procedure for assessing the peak spatial-average SAR value consists of the following steps:

- (a) Power reference measurement
- (b) Area scan
- (c) Zoom scan
- (d) Power drift measurement

13.2 Spatial Peak SAR Evaluation

The procedure for spatial peak SAR evaluation has been implemented according to the test standard. It can be conducted for 1g and 10g, as well as for user-specific masses. The SATIMO software includes all numerical procedures necessary to evaluate the spatial peak SAR value.

The base for the evaluation is a "cube" measurement. The measured volume must include the 1g and 10g cubes with the highest averaged SAR values. For that purpose, the center of the measured volume is aligned to the interpolated peak SAR value of a previously performed area scan.

The entire evaluation of the spatial peak values is performed within the post-processing engine. The system always gives the maximum values for the 1g and 10g cubes. The algorithm to find the cube with highest averaged SAR is divided into the following stages:

- (a) Extraction of the measured data (grid and values) from the Zoom Scan
- (b) Calculation of the SAR value at every measurement point based on all stored data
- (c) Generation of a high-resolution mesh within the measured volume
- (d) Interpolation of all measured values form the measurement grid to the high-resolution grid
- (e) Extrapolation of the entire 3D field distribution to the phantom surface over the distance from sensor to surface
- (f) Calculation of the averaged SAR within masses of 1g and 10g

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13.3 Area & Zoom Scan Procedures

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan measures 5x5x7 points with step size 8, 8 and 5 mm for 300 MHz to 3 GHz, and 8x8x8 points with step size 4, 4 and 2.5 mm for 3 GHz to 6 GHz. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g.

| | | | ≤ 3 GHz | > 3 GHz | |
|---|--|---|--|---|--|
| | Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface | | | $\frac{1}{2} \cdot \delta \cdot \ln(2) \text{ mm} \pm 0.5 \text{ mm}$ | |
| Maximum probe angle surface normal at the r | | | 30° ± 1° | 20° ± 1° | |
| | | | ≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm | 3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm | |
| Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area} | | | When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device w at least one measurement point on the test device. | | |
| Maximum zoom scan | spatial res | olution: Δx _{Zoom} , Δy _{Zoom} | \leq 2 GHz: \leq 8 mm 3 - 4 GHz: \leq 5 mm* 4 - 6 GHz: \leq 4 mm* | | |
| | uniform | grid: Δz _{Zoom} (n) | ≤ 5 mm | 3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm | |
| Maximum zoom scan spatial resolution, normal to phantom surface | graded | Δz _{Zoom} (1): between 1 st two points closest to phantom surface | ≤ 4 mm | 3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm | |
| | grid Δz _{Zoom} (n>1): between subsequent points | | $\leq 1.5 \cdot \Delta z_{Zoom}(n-1) \text{ mm}$ | | |
| Minimum zoom scan volume | x, y, z | | ≥ 30 mm | 3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm | |

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see IEEE Std 1528-2013 for details.

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^{*} When zoom scan is required and the <u>reported</u> SAR from the <u>area scan based 1-g SAR estimation</u> procedures of KDB Publication 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.



13.4 Volume Scan Procedures

The volume scan is used for assess overlapping SAR distributions for antennas transmitting in different frequency bands. It is equivalent to an oversized zoom scan used in standalone measurements. The measurement volume will be used to enclose all the simultaneous transmitting antennas. For antennas transmitting simultaneously in different frequency bands, the volume scan is measured separately in each frequency band. In order to sum correctly to compute the 1g aggregate SAR, the EUT remain in the same test position for all measurements and all volume scan use the same spatial resolution and grid spacing (step-size is 4, 4 and 2.5 mm). When all volume scan were completed, the software can combine and subsequently superpose these measurement data to calculating the multiband SAR.

13.5 SAR Averaged Methods

The local SAR inside the phantom is measured using small dipole sensing elements inside a probe body. The probe tip must not be in contact with the phantom surface in order to minimize measurements errors, but the highest local SAR will occur at the surface of the phantom.

An extrapolation is using to determinate this highest local SAR values. The extrapolation is based on a fourth-order least-square polynomial fit of measured data. The local SAR value is then extrapolated from the liquid surface with a 1mm step.

The measurements have to be performed over a limited time (due to the duration of the battery) so the step of measurement is high. It could vary between 5 and 8 mm. To obtain an accurate assessment of the maximum SAR averaged over 10g and 1 g requires a very fine resolution in the three dimensional scanned data array.

13.6 Power Drift Monitoring

All SAR testing is under the EUT install full charged battery and transmit maximum output power. In SATIMO measurement software, the power reference measurement and power drift measurement procedures are used for monitoring the power drift of EUT during SAR test. Both these procedures measure the field at a specified reference position before and after the SAR testing. The software will calculate the field difference in dB. If the power drift more than 5%, the SAR will be retested.





14. SAR Test Result

14.1 Conducted RF Output Power

| Bluetooth | | | | | | | | | | |
|------------|--------------------|------------------------|------|--|--|--|--|--|--|--|
| Modulation | Frequency (MHz) | Tune-up power (dBm) | | | | | | | | |
| | 2402 | -1.73 | | | | | | | | |
| 1-DH1 | 2441 | -0.98 | -0.5 | | | | | | | |
| | 2480 | -2.07 | | | | | | | | |
| | 2402 | 0.17 | | | | | | | | |
| 2-DH1 | 2441 | 0.65 | 1.0 | | | | | | | |
| | 2480 | -0.55 | | | | | | | | |

| BLE | | | | | | | | | | |
|----------------|--------------------|--------------------|------------------------|--|--|--|--|--|--|--|
| Mode | Frequency (MHz) | Output Power (dBm) | Tune-up power (dBm) | | | | | | | |
| | 2402 | -0.39 | | | | | | | | |
| GFSK BLE 1M | 2440 | 1.13 | 1.5 | | | | | | | |
| | 2480 | -0.37 | | | | | | | | |
| | 2402 | -0.74 | | | | | | | | |
| GFSK BLE 2M | 2440 | 0.82 | 1.0 | | | | | | | |
| _ | 2480 | -0.58 | | | | | | | | |

Note:

Per KDB 447498 D01v06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [\forall f(GHz)] \leq 3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

| Bluetooth Turn up Power (dBm) | Bluetooth Turn up Power (mW) | Separation Distance (mm) | Frequency (GHz) | Result | Exclusion Thresholds |
|-------------------------------------|------------------------------------|-----------------------------|--------------------|--------|-------------------------|
| 1.5 | 1.41 | 5 | 2.402 | 0.44 | 3.0 |

Per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

According to the calculation results in the table above, Bluetooth SAR does not need to be tested.

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| | WIFI 2.4G | | | | | | | | | | |
|------|-----------|--------------|---------------|--|--|--|--|--|--|--|--|
| Mode | Frequency | Output Power | Tune-up power | | | | | | | | |
| Mode | (MHz) | (dBm) | (dBm) | | | | | | | | |
| | 2412 | 12.00 | | | | | | | | | |
| b | 2437 | 10.49 | 12.5 | | | | | | | | |
| | 2462 | 10.32 | | | | | | | | | |
| | 2412 | 11.43 | | | | | | | | | |
| g | 2437 | 9.25 | 11.5 | | | | | | | | |
| | 2462 | 9.66 | | | | | | | | | |
| | 2412 | 10.31 | | | | | | | | | |
| n20 | 2437 | 8.11 | 10.5 | | | | | | | | |
| | 2462 | 9.12 | | | | | | | | | |
| | 2422 | 8.67 | | | | | | | | | |
| n40 | 2437 | 8.80 | 9.0 | | | | | | | | |
| | 2452 | 8.77 | | | | | | | | | |

| WIFI 5.2G | | | | | | | | | |
|-----------|-----------|--------------|---------------|--|--|--|--|--|--|
| Mode | Frequency | Output Power | Tune-up power | | | | | | |
| Mode | (MHz) | (dBm) | (dBm) | | | | | | |
| | 5180 | 11.49 | | | | | | | |
| a | 5200 | 13.89 | 14.0 | | | | | | |
| | 5240 | 13.73 | | | | | | | |
| | 5180 | 10.31 | | | | | | | |
| n20 | 5200 | 10.23 | 10.5 | | | | | | |
| | 5240 | 9.04 | | | | | | | |
| n40 | 5190 | 9.20 | 0.5 | | | | | | |
| 1140 | 5230 | 9.25 | 9.5 | | | | | | |
| | 5180 | 10.08 | | | | | | | |
| ac20 | 5200 | 10.09 | 10.5 | | | | | | |
| | 5240 | 9.41 | | | | | | | |
| 2040 | 5190 | 9.00 | 0.5 | | | | | | |
| ac40 | 5230 | 9.24 | 9.5 | | | | | | |
| ac80 | 5210 | 8.91 | 9.0 | | | | | | |

| WIFI 5.8G | | | | | | | | | |
|-----------|-----------|--------------|---------------|--|--|--|--|--|--|
| Mada | Frequency | Output Power | Tune-up power | | | | | | |
| Mode | (MHz) | (dBm) | (dBm) | | | | | | |
| | 5745 | 11.66 | | | | | | | |
| а | 5785 | 12.11 | 12.5 | | | | | | |
| | 5825 | 12:01 | | | | | | | |
| | 5745 | 10.00 | | | | | | | |
| n20 | 5785 | 10.55 | 11.0 | | | | | | |
| | 5825 | 10.44 | | | | | | | |
| n40 | 5755 | 8.83 | 9.5 | | | | | | |
| 1140 | 5795 | 9.41 | 9.9 | | | | | | |
| | 5745 | 9.75 | | | | | | | |
| ac20 | 5785 | 10.41 | 10.5 | | | | | | |
| | 5825 | 10.38 | | | | | | | |
| ac40 | 5755 | 8.82 | O. 6 | | | | | | |
| a040 | 5795 | 9.38 | J. O | | | | | | |
| ac80 | 5775 | 8:42 | 8.5 | | | | | | |



| GSM - Burst Average Power (dBm) | | | | | | | | | | |
|---------------------------------|-------|--------|-------|-------------|--------|---------|--------|-------------|--|--|
| Band | | GSM850 | | | | GSM1900 | | | | |
| Channel | 128 | 190 | 251 | Tune- up | 512 | 661 | 810 | Tune- up | | |
| Frequency (MHz) | 824.2 | 836.6 | 848.8 | | 1850.2 | 1880 | 1909.8 | | | |
| GSM | 33.01 | 32.59 | 32.67 | 33.5 | 29.97 | 29.53 | 28.40 | 30.0 | | |
| GPRS Slot -1 | 32.90 | 32.51 | 32.56 | 33.0 | 29.94 | 29.53 | 28.39 | 30.0 | | |
| GPRS Slot -2 | 30.84 | 30.39 | 30.31 | 31.0 | 28.12 | 27.60 | 26.57 | 28.5 | | |
| GPRS Slot -3 | 29.00 | 28.48 | 28.38 | 29.5 | 26.60 | 25.90 | 24.88 | 27.0 | | |
| GPRS Slot -4 | 26.94 | 26.38 | 26.25 | 27.5 | 24.39 | 23.86 | 23.04 | 24.0 | | |
| EGPRS Slot -1 | 26.53 | 26.59 | 26.46 | 27.0 | 25.05 | 24.94 | 24.51 | 25.5 | | |
| EGPRS Slot -2 | 24.48 | 30.13 | 25.09 | 30.5 | 24.62 | 24.81 | 24.16 | 25.0 | | |
| EGPRS Slot -3 | 22.30 | 22.68 | 22.83 | 23.0 | 20.31 | 20.57 | 19.32 | 21.0 | | |
| EGPRS Slot -4 | 19.70 | 19.36 | 20.00 | 20.5 | 18.67 | 18.38 | 17.51 | 19.0 | | |

| GSM - Source-Based Time-Average Power (dBm) | | | | | | | | | | | |
|---|-------|--------|-------|--------|---------|--------|--|--|--|--|--|
| Band | | GSM850 | | | GSM1900 | | | | | | |
| Channel | 128 | 190 | 251 | 512 | 661 | 810 | | | | | |
| Frequency (MHz) | 824.2 | 836.6 | 848.8 | 1850.2 | 1880 | 1909.8 | | | | | |
| GSM | 24.01 | 23.59 | 23.67 | 20.97 | 20.53 | 19.40 | | | | | |
| GPRS Slot -1 | 23.90 | 23.51 | 23.56 | 20.94 | 20.53 | 19.39 | | | | | |
| GPRS Slot -2 | 24.84 | 24.39 | 24.31 | 22.12 | 21.60 | 20.57 | | | | | |
| GPRS Slot -3 | 24.75 | 24.23 | 24.13 | 22.35 | 21.65 | 20.63 | | | | | |
| GPRS Slot -4 | 23.94 | 23.38 | 23.25 | 21.39 | 20.86 | 20.04 | | | | | |
| EGPRS Slot -1 | 17.53 | 17.59 | 17.46 | 16.05 | 15.94 | 15.51 | | | | | |
| EGPRS Slot -2 | 18.48 | 24.13 | 19.09 | 18.62 | 18.81 | 18.16 | | | | | |
| EGPRS Slot -3 | 18.05 | 18.43 | 18.58 | 16.06 | 16.32 | 15.07 | | | | | |
| EGPRS Slot -4 | 16.70 | 16.36 | 17.00 | 15.67 | 15.38 | 14.51 | | | | | |

Notes:

1. Division Factors

To average the power, the division factor is as follows:

1TX-slot = 1 transmit time slot out of 8 time slots=> conducted power divided by (8/1) => -9.00dB 2TX-slots = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.00dB 3TX-slots = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB

4TX-slots = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.00dB

No.: BCTC/RF-EMC-005



| Band | | WCDM | A Band II | | WCDMA Band IV | | | | |
|-----------------|--------|--------|-----------|---------|---------------|-------|--------|---------|--|
| Channel | 9262 | 9400 | 9538 | Tungun | 1312 | 1450 | 1513 | Tuna un | |
| Frequency (MHz) | 1852.4 | 1880.0 | 1907.6 | Tune-up | 1712.4 | 1740 | 1752.6 | Tune-up | |
| RMC 12.2K | 22.63 | 22.70 | 22.49 | 23.0 | 22.47 | 22.48 | 22.33 | 22.5 | |
| HSDPA Subtest-1 | 20.86 | 20.17 | 20.21 | | 22.10 | 21.80 | 21.73 | | |
| HSDPA Subtest-2 | 20.56 | 20.03 | 20.13 | 21.0 | 21.83 | 21.51 | 21.43 | - 22.5 | |
| HSDPA Subtest-3 | 20.33 | 19.71 | 19.77 | 21.0 | 21.58 | 21.34 | 21.22 | | |
| HSDPA Subtest-4 | 19.75 | 18.98 | 19.59 | | 21.68 | 21.13 | 21.02 | | |
| HSUPA Subtest-1 | 20.85 | 20.11 | 20.19 | | 22.05 | 21.57 | 21.50 | | |
| HSUPA Subtest-2 | 20.73 | 20.20 | 20.23 | | 22.05 | 21.71 | 21.68 | 22.5 | |
| HSUPA Subtest-3 | 20.66 | 19.68 | 19.86 | 21.0 | 21.73 | 21.44 | 21.19 | | |
| HSUPA Subtest-4 | 20.74 | 20.13 | 20.22 | | 22.01 | 21.72 | 21.65 | | |
| HSUPA Subtest-5 | 20.38 | 20.07 | 19.56 | | 21.84 | 21.49 | 21.36 | | |

| Band | | WCDM | A Band V | | 1 | | | | |
|-----------------|-------|-------|----------|---------|---|-----|---|-----|--|
| Channel | 4132 | 4182 | 4233 | Tung up | 1 | 1 | 1 | - 1 | |
| Frequency (MHz) | 826.4 | 836.4 | 846.6 | Tune-up | 1 | 1 | 1 | | |
| RMC 12.2K | 22.41 | 22.64 | 22.76 | 23.0 | 1 | 1 | 1 | 1 | |
| HSDPA Subtest-1 | 22.17 | 22.10 | 22.11 | 22.5 | 1 | 1 | 1 | | |
| HSDPA Subtest-2 | 21.93 | 21.79 | 21.90 | | 1 | 1 | 1 | 1 | |
| HSDPA Subtest-3 | 21.51 | 21.62 | 21.67 | | 1 | 1 | 1 | | |
| HSDPA Subtest-4 | 21.53 | 21.60 | 21.34 | | 1 | 1 | 1 | | |
| HSUPA Subtest-1 | 22.18 | 22.03 | 21.79 | | 1 | 1 | 1 | ı | |
| HSUPA Subtest-2 | 22.22 | 22.10 | 22.13 | | 1 | 1 | 1 | | |
| HSUPA Subtest-3 | 21.85 | 21.73 | 21.75 | 22.5 | 1 | 1 | 1 | | |
| HSUPA Subtest-4 | 22.15 | 22.09 | 22.12 | | 1 | 1 | 1 | | |
| HSUPA Subtest-5 | 22.02 | 22.11 | 21.80 | | 1 | 1 . | 1 | | |

Note:

- 1. The 12.2kbps RMC mode was selected for SAR testing (the primary mode).
- 2. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤1/4dB higher than the primary mode (RMC12.2kbps) or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

No.: BCTC/RF-EMC-005 Page 34 of 244 Fortion B.2



| Band | Bandwidth | UL | RB | RB | Modulation | Power | Gain | EIRP | Verdict |
|--------|--------------|------------------|-----------|----------------|------------|----------------|---------------|----------------|---------|
| Band2 | (MHz) 1.4 | Channel 18607 | Size 1 | Position #0 | QPSK | (dBm) 24.22 | (dBm) 2.44 | (dBm) 26.66 | PASS |
| Band2 | 1.4 | 18607 | 1 | #Mid | QPSK | 24.23 | 2.44 | 26.67 | PASS |
| Band2 | 1.4 | 18607 | 1 | #Max | QPSK | 24.26 | 2.44 | 26.70 | PASS |
| Band2 | 1.4 | 18607 | 3 | #0 | QPSK | 24.31 | 2.44 | 26.75 | PASS |
| Band2 | 1.4 | 18607 | 3 | #Mid | QPSK | 24.37 | 2.44 | 26.81 | PASS |
| Band2 | 1.4 | 18607 | 3 | #Max | QPSK | 24.38 | 2.44 | 26.82 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | QPSK | 23.29 | 2.44 | 25.73 | PASS |
| Band2 | 1.4 | 18607 | 1 | #0 | 16QAM | 23.84 | 2.44 | 26.28 | PASS |
| Band2 | 1.4 | 18607 | 1 | #Mid | 16QAM | 23.86 | 2.44 | 26.30 | PASS |
| Band2 | 1.4 | 18607 | 1 | #Max | 16QAM | 23.89 | 2.44 | 26.33 | PASS |
| Band2 | 1.4 | 18607 | 3 | #0 | 16QAM | 23.45 | 2.44 | 25.89 | PASS |
| Band2 | 1.4 | 18607 | 3 | #Mid | 16QAM | 23.39 | 2.44 | 25.83 | PASS |
| Band2 | 1.4 | 18607 | 3 | #Max | 16QAM | 23.39 | 2.44 | 25.83 | PASS |
| Band2 | 1.4 | 18607 | 6 | #0 | 16QAM | 22.27 | 2.44 | 24.71 | PASS |
| Band2 | 1.4 | 18900 | 1 | #0 | QPSK | 24.43 | 2.44 | 26.87 | PASS |
| Band2 | 1.4 | 18900 | 1 | #Mid | QPSK | 24.45 | 2.44 | 26.89 | PASS |
| Band2 | 1.4 | 18900 | 1 | #Max | QPSK | 24.45 | 2.44 | 26.89 | PASS |
| Band2 | 1.4 | 18900 | 3 | #0 | QPSK | 24.50 | 2.44 | 26.94 | PASS |
| Band2 | 1.4 | 18900 | 3 | #Mid | QPSK | 24.50 | 2.44 | 26.94 | PASS |
| Band2 | 1.4 | 18900 | 3 | #Max | QPSK | 24.45 | 2.44 | 26.89 | PASS |
| Band2 | 1.4 | 18900 | 6 | #0 | QPSK | 23.49 | 2.44 | 25.93 | PASS |
| Band2 | 1.4 | 18900 | 1 | #0 | 16QAM | 23.42 | 2.44 | 25.86 | PASS |
| Band2 | 1.4 | 18900 | 1 | #Mid | 16QAM | 23.45 | 2.44 | 25.89 | PASS |
| Band2 | 1.4 | 18900 | 1 | #Max | 16QAM | 23.45 | 2.44 | 25.89 | PASS |
| Band2 | 1.4 | 18900 | 3 | #1VIAX | 16QAM | 23.70 | 2.44 | 26.14 | PASS |
| Band2 | 1.4 | 18900 | 3 | #Mid | 16QAM | 23.65 | 2.44 | 26.09 | PASS |
| Band2 | 1.4 | 18900 | 3 | #Max | 16QAM | 23.75 | 2.44 | 26.19 | PASS |
| Band2 | 1.4 | 18900 | 6 | #10107 | 16QAM | 22.53 | 2.44 | 24.97 | PASS |
| Band2 | 1.4 | 19193 | 1 | #0 | QPSK | 24.91 | 2.44 | 27.35 | PASS |
| Band2 | 1.4 | 19193 | 1 | #Mid | QPSK | 25.00 | 2.44 | 27.44 | PASS |
| Band2 | 1.4 | 19193 | 1 | #Max | QPSK | 24.98 | 2.44 | 27.42 | PASS |
| Band2 | 1.4 | 19193 | 3 | #0 | QPSK | 24.86 | 2.44 | 27.30 | PASS |
| Band2 | 1.4 | 19193 | 3 | #Mid | QPSK | 24.93 | 2.44 | 27.37 | PASS |
| Band2 | 1.4 | 19193 | 3 | #Max | QPSK | 24.92 | 2.44 | 27.36 | PASS |
| Band2 | 1.4 | 19193 | 6 | #IVIAX #0 | QPSK | 23.88 | 2.44 | 26.32 | PASS |
| Band2 | 1.4 | 19193 | 1 | #0 | 16QAM | 24.78 | 2.44 | 27.22 | PASS |
| Band2 | 1.4 | 19193 | 1 | #Mid | 16QAM | 24.77 | 2.44 | 27.21 | PASS |
| Band2 | 1.4 | 19193 | 1 | #Max | 16QAM | 24.82 | 2.44 | 27.26 | PASS |
| Band2 | 1.4 | 19193 | 3 | #0 | 16QAM | 24.03 | 2.44 | 26.47 | PASS |
| Band2 | 1.4 | 19193 | 3 | #Mid | 16QAM | 24.04 | 2.44 | 26.48 | PASS |
| Band2 | 1.4 | 19193 | 3 | #Max | 16QAM | 24.01 | 2.44 | 26.45 | PASS |
| Band2 | 1.4 | 19193 | 6 | #0 | 16QAM | 22.99 | 2.44 | 25.43 | PASS |
| Band2 | 3 | 18615 | 1 | #0 | QPSK | 24.14 | 2.44 | 26.58 | PASS |
| Band2 | 3 | 18615 | 1 | #Mid | QPSK | 24.21 | 2.44 | 26.65 | PASS |
| Band2 | 3 | 18615 | 1 | #Max | QPSK | 24.31 | 2.44 | 26.75 | PASS |
| Band2 | 3 | 18615 | 8 | #0 | QPSK | 23.39 | 2.44 | 25.83 | PASS |
| Band2 | 3 | 18615 | 8 | #Mid | QPSK | 23.27 | 2.44 | 25.71 | PASS |
| Band2 | 3 | 18615 | 8 | #Max | QPSK | 23.34 | 2.44 | 25.78 | PASS |
| Band2 | 3 | 18615 | 15 | #IVIAX #0 | QPSK | 23.41 | 2.44 | 25.85 | PASS |
| Band2 | 3 | 18615 | 1 | #0 | 16QAM | 23.80 | 2.44 | 26.24 | PASS |
| Band2 | 3 | 18615 | 1 | #Mid | 16QAM | 23.91 | 2.44 | 26.35 | PASS |
| Band2 | 3 | 18615 | 1 | #Max | 16QAM | 23.94 | 2.44 | 26.38 | PASS |
| Band2 | 3 | 18615 | 8 | #IVIAX #0 | 16QAM | 23.94 | 2.44 | 24.98 | PASS |
| Dalluz | S | 10010 | 0 | #-U | I UQAIŅ | ZZ.34 | 4.44 | 44.50 | LHOO |



| | | | | | 1.0 | port No : | | | |
|-------------------------|--------|----------------|----------|------------|----------------|----------------|--------------|----------------|--------------|
| Band2 | 3 | 18615 | 8 | #Max | 16QAM | 22.61 | 2.44 | 25.05 | PASS |
| Band2 | 3 | 18615 | 15 | #0 | 16QAM | 22.35 | 2.44 | 24.79 | PASS |
| Band2 | 3 | 18900 | 1 | #0 | QPSK | 24.47 | 2.44 | 26.91 | PASS |
| Band2 | 3 | 18900 | 1 | #Mid | QPSK | 24.45 | 2.44 | 26.89 | PASS |
| Band2 | 3 | 18900 | 1 | #Max | QPSK | 24.47 | 2.44 | 26.91 | PASS |
| Band2 | 3 | 18900 | 8 | #0 | QPSK | 23.32 | 2.44 | 25.76 | PASS |
| Band2 | 3 | 18900 | 8 | #Mid | QPSK | 23.39 | 2.44 | 25.83 | PASS |
| Band2 | 3 | 18900 | 8 | #Max | QPSK | 23.39 | 2.44 | 25.83 | PASS |
| Band2 | 3 | 18900 | 15 | #0 | QPSK | 23.37 | 2.44 | 25.81 | PASS |
| Band2 | 3 | 18900 | 1 | #0 | 16QAM | 23.21 | 2.44 | 25.65 | PASS |
| Band2 | 3 | 18900 | 1 | #Mid | 16QAM | 23.18 | 2.44 | 25.62 | PASS |
| Band2 | 3 | 18900 | 1 | #Max | 16QAM | 23.18 | 2.44 | 25.62 | PASS |
| Band2 | 3 | 18900 | 8 | #0 | 16QAM | 22.39 | 2.44 | 24.83 | PASS |
| Band2 | 3 | 18900 | 8 | #Mid | 16QAM | 22.33 | 2.44 | 24.77 | PASS |
| Band2 | 3 | 18900 | 8 | #Max | 16QAM | 22.43 | 2.44 | 24.87 | PASS |
| Band2 | 3 | 18900 | 15 | #0 | 16QAM | 22.62 | 2.44 | 25.06 | PASS |
| Band2 | 3 | 19185 | 1 | #0 | QPSK | 24.59 | 2.44 | 27.03 | PASS |
| Band2 | 3 | 19185 | 1 | #Mid | QPSK | 24.83 | 2.44 | 27.27 | PASS |
| Band2 | 3 | 19185 | 1 | #Max | QPSK | 24.86 | 2.44 | 27.30 | PASS |
| Band2 | 3 | 19185 | 8 | #0 | QPSK | 23.75 | 2.44 | 26.19 | PASS |
| Band2 | 3 | 19185 | 8 | #Mid | QPSK | 23.89 | 2.44 | 26.33 | PASS |
| Band2 | 3 | 19185 | 8 | #Max | QPSK | 23.92 | 2.44 | 26.36 | PASS |
| Band2 | 3 | 19185 | 15 | #0 | QPSK | 23.86 | 2.44 | 26.30 | PASS |
| Band2 | 3 | 19185 | 1 | #0 | 16QAM | 24.68 | 2.44 | 27.12 | PASS |
| Band2 | 3 | 19185 | 1 | #Mid | 16QAM | 24.84 | 2.44 | 27.28 | PASS |
| Band2 | 3 | 19185 | 1 | #Max | 16QAM | 24.89 | 2.44 | 27.33 | PASS |
| Band2 | 3 | 19185 | 8 | #0 | 16QAM | 22.68 | 2.44 | 25.12 | PASS |
| Band2 | 3 | 19185 | 8 | #Mid | 16QAM | 22.82 | 2.44 | 25.26 | PASS |
| Band2 | 3 | 19185 | 8 | #Max | 16QAM | 22.81 | 2.44 | 25.25 | PASS |
| Band2 | 3 | 19185 | 15 | #0 | 16QAM | 23.00 | 2.44 | 25.44 | PASS |
| Band2 | 5 | 18625 | 1 | #0 | QPSK | 24.27 | 2.44 | 26.71 | PASS |
| Band2 | 5 | 18625 | 1 | #Mid | QPSK | 24.28 | 2.44 | 26.72 | PASS |
| Band2 | 5 | 18625 | 1 | #Max | QPSK | 24.38 | 2.44 | 26.82 | PASS |
| Band2 | 5 | 18625 | 12 | #0 | QPSK | 23.44 | 2.44 | 25.88 | PASS |
| Band2 | 5 | 18625 | 12 | #Mid | QPSK | 23.28 | 2.44 | 25.72 | PASS |
| Band2 | 5 | 18625 | 12 | #Max | QPSK | 23.42 | 2.44 | 25.86 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | QPSK | 23.28 | 2.44 | 25.72 | PASS |
| Band2 | 5 | 18625 | 1 | #0 | 16QAM | 23.25 | 2.44 | 25.69 | PASS |
| Band2 | 5 | 18625 | 1 | #Mid | 16QAM | 23.34 | 2.44 | 25.78 | PASS |
| Band2 | 5 | 18625 | 1 | #Max | 16QAM | 23.55 | 2.44 | 25.99 | PASS |
| Band2 | 5 | 18625 | 12 | #0 | 16QAM | 22.29 | 2.44 | 24.73 | PASS |
| Band2 | 5 | 18625 | 12 | #Mid | 16QAM | 22.22 | 2.44 | 24.66 | PASS |
| Band2 | 5 | 18625 | 12 | #Max | 16QAM | 22.24 | 2.44 | 24.68 | PASS |
| Band2 | 5 | 18625 | 25 | #0 | 16QAM | 22.45 | 2.44 | 24.89 | PASS |
| Band2 | 5 | 18900 | 1 | #0 | QPSK | 24.44 | 2.44 | 26.88 | PASS |
| Band2 | 5 | 18900 | 1 | #Mid | QPSK | 24.61 | 2.44 | 27.05 | PASS |
| Band2 | 5 | 18900 | 1 | #Max | QPSK | 24.56 | 2.44 | 27.00 | PASS |
| Band2 | 5 | 18900 | 12 | #0 | QPSK | 23.45 | 2.44 | 25.89 | PASS |
| Band2 | 5 | 18900 | 12 | #Mid | QPSK | 23.45 | 2.44 | 25.89 | PASS |
| Band2 | 5 | 18900 | 12 | #Max | QPSK | 23.41 | 2.44 | 25.85 | PASS |
| Band2 | 5 | 18900 | 25 | #0 | QPSK | 23.45 | 2.44 | 25.89 | PASS |
| Band2 | 5 | 18900 | 1 | #0 | 16QAM | 23.56 | 2.44 | 26.00 | PASS |
| Band2 | 5 | 18900 | 1 | #Mid | 16QAM | 23.50 | 2.44 | 25.94 | PASS |
| | 5 | 18900 | 1 | #Max | 16QAM | 23.52 | 2.44 | 25.96 | PASS |
| Band2 | | . 5555 | | | | | | | |
| Band2 Band2 | | 18900 | 12 | #N | 16ΩAM····· | 22.36 | 2 44 | . 24 80 | PASS |
| Band2 Band2 Band2 | 5 5 | 18900 18900 | 12 12 | #0 #Mid | 16QAM 16QAM | 22.36 22.33 | 2.44 2.44 | 24.80 24.77 | PASS PASS |



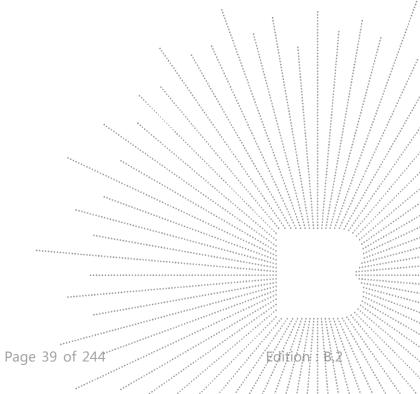
| | | | | | Re | port No : | BCTC240 | J8028722 | 2 E |
|-------|----|-------|------|--------------|------------|------------|---------|----------|------------|
| Band2 | 5 | 18900 | 25 | #0 | 16QAM | 22.45 | 2.44 | 24.89 | PASS |
| Band2 | 5 | 19175 | 1 | #0 | QPSK | 24.38 | 2.44 | 26.82 | PASS |
| Band2 | 5 | 19175 | 1 | #Mid | QPSK | 24.46 | 2.44 | 26.90 | PASS |
| Band2 | 5 | 19175 | 1 | #Max | QPSK | 24.68 | 2.44 | 27.12 | PASS |
| Band2 | 5 | 19175 | 12 | #0 | QPSK | 23.69 | 2.44 | 26.13 | PASS |
| Band2 | 5 | 19175 | 12 | #Mid | QPSK | 23.68 | 2.44 | 26.12 | PASS |
| Band2 | 5 | 19175 | 12 | #Max | QPSK | 23.82 | 2.44 | 26.26 | PASS |
| Band2 | 5 | 19175 | 25 | #0 | QPSK | 23.78 | 2.44 | 26.22 | PASS |
| Band2 | 5 | 19175 | 1 | #0 | 16QAM | 24.11 | 2.44 | 26.55 | PASS |
| Band2 | 5 | 19175 | 1 | #Mid | 16QAM | 24.25 | 2.44 | 26.69 | PASS |
| Band2 | 5 | 19175 | 1 | #Max | 16QAM | 24.40 | 2.44 | 26.84 | PASS |
| Band2 | 5 | 19175 | 12 | #0 | 16QAM | 22.73 | 2.44 | 25.17 | PASS |
| Band2 | 5 | 19175 | 12 | #Mid | 16QAM | 22.71 | 2.44 | 25.15 | PASS |
| Band2 | 5 | 19175 | 12 | #Max | 16QAM | 22.84 | 2.44 | 25.28 | PASS |
| Band2 | 5 | 19175 | 25 | #0 | 16QAM | 22.89 | 2.44 | 25.33 | PASS |
| Band2 | 10 | 18650 | 1 | #0 | QPSK | 24.19 | 2.44 | 26.63 | PASS |
| Band2 | 10 | 18650 | 1 | #Mid | QPSK | 24.34 | 2.44 | 26.78 | PASS |
| Band2 | 10 | 18650 | 1 | #Max | QPSK | 24.45 | 2.44 | 26.89 | PASS |
| Band2 | 10 | 18650 | 25 | #0 | QPSK | 23.41 | 2.44 | 25.85 | PASS |
| Band2 | 10 | 18650 | 25 | #Mid | QPSK | 23.40 | 2.44 | 25.84 | PASS |
| Band2 | 10 | 18650 | 25 | #Max | QPSK | 23.56 | 2.44 | 26.00 | PASS |
| Band2 | 10 | 18650 | 50 | #0 | QPSK | 23.51 | 2.44 | 25.95 | PASS |
| Band2 | 10 | 18650 | 1 | #0 | 16QAM | 24.23 | 2.44 | 26.67 | PASS |
| Band2 | 10 | 18650 | 1 | #Mid | 16QAM | 24.53 | 2.44 | 26.97 | PASS |
| Band2 | 10 | 18650 | 1 | #Max | 16QAM | 24.62 | 2.44 | 27.06 | PASS |
| Band2 | 10 | 18650 | 25 | #0 | 16QAM | 22.18 | 2.44 | 24.62 | PASS |
| Band2 | 10 | 18650 | 25 | #Mid | 16QAM | 22.42 | 2.44 | 24.86 | PASS |
| Band2 | 10 | 18650 | 25 | #Max | 16QAM | 22.39 | 2.44 | 24.83 | PASS |
| Band2 | 10 | 18650 | 50 | #0 | 16QAM | 22.47 | 2.44 | 24.91 | PASS |
| Band2 | 10 | 18900 | 1 | #0 | QPSK | 24.31 | 2.44 | 26.75 | PASS |
| Band2 | 10 | 18900 | 1 | #Mid | QPSK | 24.27 | 2.44 | 26.71 | PASS |
| Band2 | 10 | 18900 | 1 | #Max | QPSK | 24.34 | 2.44 | 26.78 | PASS |
| Band2 | 10 | 18900 | 25 | #0 | QPSK | 23.53 | 2.44 | 25.97 | PASS |
| Band2 | 10 | 18900 | 25 | #Mid | QPSK | 23.45 | 2.44 | 25.89 | PASS |
| Band2 | 10 | 18900 | 25 | #Max | QPSK | 23.47 | 2.44 | 25.91 | PASS |
| Band2 | 10 | 18900 | 50 | #0 | QPSK | 23.51 | 2.44 | 25.95 | PASS |
| Band2 | 10 | 18900 | 1 | #0 | 16QAM | 23.46 | 2.44 | 25.90 | PASS |
| Band2 | 10 | 18900 | 1 | #Mid | 16QAM | 23.45 | 2.44 | 25.89 | PASS |
| Band2 | 10 | 18900 | 1 | #Max | 16QAM | 23.52 | 2.44 | 25.96 | PASS |
| Band2 | 10 | 18900 | 25 | #0 | 16QAM | 22.53 | 2.44 | 24.97 | PASS |
| Band2 | 10 | 18900 | 25 | #Mid | 16QAM | 22.50 | 2.44 | 24.94 | PASS |
| Band2 | 10 | 18900 | 25 | #Max | 16QAM | 22.54 | 2.44 | 24.98 | PASS |
| Band2 | 10 | 18900 | 50 | #0 | 16QAM | 22.52 | 2.44 | 24.96 | PASS |
| Band2 | 10 | 19150 | 1 | #0 | QPSK | 24.41 | 2.44 | 26.85 | PASS |
| Band2 | 10 | 19150 | 1 | #Mid | QPSK | 24.70 | 2.44 | 27.14 | PASS |
| Band2 | 10 | 19150 | 1 | #Max | QPSK | 24.94 | 2.44 | 27.38 | PASS |
| Band2 | 10 | 19150 | 25 | #0 | QPSK | 23.47 | 2.44 | 25.91 | PASS |
| Band2 | 10 | 19150 | 25 | #Mid | QPSK | 23.65 | 2.44 | 26.09 | PASS |
| Band2 | 10 | 19150 | 25 | #Max | QPSK *** | 23.77 | 2.44 | 26.21 | PASS |
| Band2 | 10 | 19150 | 50 | #0 | QPSK | 23.66 | 2.44 | 26.10 | PASS |
| Band2 | 10 | 19150 | 1 | #0 | 16QAM | 23.53 | 2.44 | 25.97 | PASS |
| Band2 | 10 | 19150 | 1 | #Mid | 16QAM | 23.86 | 2.44 | 26.30 | PASS |
| Band2 | 10 | 19150 | 1 | #Max | 16QAM | 24.15 | 2.44 | 26.59 | PASS |
| Band2 | 10 | 19150 | 25 | #1VIAX #0 | 16QAM····· | 23.06 | 2.44 | 25.50 | PASS |
| Band2 | 10 | 19150 | 25 | #Mid | 16QAM····· | 22.73 | 2.44 | 25.17 | PASS |
| Band2 | 10 | 19150 | 25 | #Max | 16QAM | 22.78 | 2.44 | 25.22 | PASS |
| Band2 | 10 | 19150 | 50 | #IVIAX #0 | 16QAM | 22.70 | 2.44 | 25.22 | PASS |
| Danaz | 10 | 10100 | _ 50 | #0 | I UQ/AIVI | 22.02,,,,, | 4.77 | 20.00 | 17100 |
| | | | | | | | | | |



| | | | | | Re | port No : | BC1C240 | J8028722 | 2E |
|-------|----|-------|-----|--------------|----------|-----------|---------|----------|------|
| Band2 | 15 | 18675 | 1 | #0 | QPSK | 24.20 | 2.44 | 26.64 | PASS |
| Band2 | 15 | 18675 | 1 | #Mid | QPSK | 24.43 | 2.44 | 26.87 | PASS |
| Band2 | 15 | 18675 | 1 | #Max | QPSK | 24.54 | 2.44 | 26.98 | PASS |
| Band2 | 15 | 18675 | 36 | #0 | QPSK | 23.32 | 2.44 | 25.76 | PASS |
| Band2 | 15 | 18675 | 36 | #Mid | QPSK | 23.44 | 2.44 | 25.88 | PASS |
| Band2 | 15 | 18675 | 36 | #Max | QPSK | 23.58 | 2.44 | 26.02 | PASS |
| Band2 | 15 | 18675 | 75 | #0 | QPSK | 23.51 | 2.44 | 25.95 | PASS |
| Band2 | 15 | 18675 | 1 | #0 | 16QAM | 24.24 | 2.44 | 26.68 | PASS |
| Band2 | 15 | 18675 | 1 | #Mid | 16QAM | 24.51 | 2.44 | 26.95 | PASS |
| Band2 | 15 | 18675 | 1 | #Max | 16QAM | 24.54 | 2.44 | 26.98 | PASS |
| Band2 | 15 | 18675 | 36 | #0 | 16QAM | 22.48 | 2.44 | 24.92 | PASS |
| Band2 | 15 | 18675 | 36 | #Mid | 16QAM | 22.52 | 2.44 | 24.96 | PASS |
| Band2 | 15 | 18675 | 36 | #Max | 16QAM | 22.61 | 2.44 | 25.05 | PASS |
| Band2 | 15 | 18675 | 75 | #0 | 16QAM | 22.47 | 2.44 | 24.91 | PASS |
| Band2 | 15 | 18900 | 1 | #0 | QPSK | 24.30 | 2.44 | 26.74 | PASS |
| Band2 | 15 | 18900 | 1 | #Mid | QPSK | 24.28 | 2.44 | 26.72 | PASS |
| Band2 | 15 | 18900 | 1 | #Max | QPSK | 24.48 | 2.44 | 26.92 | PASS |
| Band2 | 15 | 18900 | 36 | #0 | QPSK | 23.52 | 2.44 | 25.96 | PASS |
| Band2 | 15 | 18900 | 36 | #Mid | QPSK | 23.41 | 2.44 | 25.85 | PASS |
| Band2 | 15 | 18900 | 36 | #Max | QPSK | 23.38 | 2.44 | 25.82 | PASS |
| Band2 | 15 | 18900 | 75 | #1014 | QPSK | 23.45 | 2.44 | 25.89 | PASS |
| Band2 | 15 | 18900 | 1 | #0 | 16QAM | 23.43 | 2.44 | 26.35 | PASS |
| Band2 | 15 | 18900 | 1 | #Mid | 16QAM | 23.87 | 2.44 | 26.31 | PASS |
| Band2 | 15 | 18900 | 1 | #Max | 16QAM | 24.19 | 2.44 | 26.63 | PASS |
| | 15 | 18900 | 36 | #IVIAX #0 | 16QAM | 22.65 | 2.44 | 25.09 | PASS |
| Band2 | | | | | | | | | |
| Band2 | 15 | 18900 | 36 | #Mid | 16QAM | 22.54 | 2.44 | 24.98 | PASS |
| Band2 | 15 | 18900 | 36 | #Max | 16QAM | 22.58 | 2.44 | 25.02 | PASS |
| Band2 | 15 | 18900 | 75 | #0 #0 | 16QAM | 22.49 | 2.44 | 24.93 | PASS |
| Band2 | 15 | 19125 | 1 | | QPSK | 24.40 | 2.44 | 26.84 | PASS |
| Band2 | 15 | 19125 | 1 | #Mid | QPSK | 24.48 | 2.44 | 26.92 | PASS |
| Band2 | 15 | 19125 | 1 | #Max | QPSK | 24.88 | 2.44 | 27.32 | PASS |
| Band2 | 15 | 19125 | 36 | #0 | QPSK | 23.40 | 2.44 | 25.84 | PASS |
| Band2 | 15 | 19125 | 36 | #Mid | QPSK | 23.50 | 2.44 | 25.94 | PASS |
| Band2 | 15 | 19125 | 36 | #Max | QPSK | 23.70 | 2.44 | 26.14 | PASS |
| Band2 | 15 | 19125 | 75 | #0 | QPSK | 23.42 | 2.44 | 25.86 | PASS |
| Band2 | 15 | 19125 | 1 | #0 | 16QAM | 24.03 | 2.44 | 26.47 | PASS |
| Band2 | 15 | 19125 | 1 | #Mid | 16QAM | 24.15 | 2.44 | 26.59 | PASS |
| Band2 | 15 | 19125 | 1 | #Max | 16QAM | 24.52 | 2.44 | 26.96 | PASS |
| Band2 | 15 | 19125 | 36 | #0 | 16QAM | 22.40 | 2.44 | 24.84 | PASS |
| Band2 | 15 | 19125 | 36 | #Mid | 16QAM | 22.91 | 2.44 | 25.35 | PASS |
| Band2 | 15 | 19125 | 36 | #Max | 16QAM | 22.73 | 2.44 | 25.17 | PASS |
| Band2 | 15 | 19125 | 75 | #0 | 16QAM | 23.01 | 2.44 | 25.45 | PASS |
| Band2 | 20 | 18700 | 1 | #0 | QPSK | 24.48 | 2.44 | 26.92 | PASS |
| Band2 | 20 | 18700 | 1 | #Mid | QPSK | 24.57 | 2.44 | 27.01 | PASS |
| Band2 | 20 | 18700 | 1 | #Max | QPSK | 24.72 | 2.44 | 27.16 | PASS |
| Band2 | 20 | 18700 | 50 | #0 | QPSK | 23.51 | 2.44 | 25.95 | PASS |
| Band2 | 20 | 18700 | 50 | #Mid | QPSK | 23.55 | 2.44 | 25.99 | PASS |
| Band2 | 20 | 18700 | 50 | #Max | QPSK | 23.65 | 2.44 | 26.09 | PASS |
| Band2 | 20 | 18700 | 100 | #0 | QPSK | 23.60 | 2.44 | 26.04 | PASS |
| Band2 | 20 | 18700 | 1 | #0 | 16QAM | 23.41 | 2.44 | 25.85 | PASS |
| Band2 | 20 | 18700 | 1 | #Mid | 16QAM | 23.61 | 2.44 | 26.05 | PASS |
| Band2 | 20 | 18700 | 1 | #Max | 16QAM | 23.65 | 2.44 | 26.09 | PASS |
| Band2 | 20 | 18700 | 50 | #0 | 16QAM | 22.54 | 2.44 | 24.98 | PASS |
| Band2 | 20 | 18700 | 50 | #Mid | 16QAM | 22.64 | 2.44 | 25.08 | PASS |
| Band2 | 20 | 18700 | 50 | #Max | 16QAM | 22.67 | 2.44 | 25.11 | PASS |
| | | | 100 | #0 | 16QAM | 22.61 | 2.44 | 25.05 | PASS |
| Band2 | 20 | 18700 | 100 | #-0 | I OQAIVI | ZZ.01 | 2.44 | 20.00 | PASS |



| Band2 | 20 | 18900 | 1 | #Mid | QPSK | 24.59 | 2.44 | 27.03 | PASS |
|-------|----|-------|-----|------|-------|-------|------|-------|------|
| Band2 | 20 | 18900 | 1 | #Max | QPSK | 24.79 | 2.44 | 27.23 | PASS |
| Band2 | 20 | 18900 | 50 | #0 | QPSK | 23.57 | 2.44 | 26.01 | PASS |
| Band2 | 20 | 18900 | 50 | #Mid | QPSK | 23.42 | 2.44 | 25.86 | PASS |
| Band2 | 20 | 18900 | 50 | #Max | QPSK | 23.42 | 2.44 | 25.86 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | QPSK | 23.52 | 2.44 | 25.96 | PASS |
| Band2 | 20 | 18900 | 1 | #0 | 16QAM | 23.27 | 2.44 | 25.71 | PASS |
| Band2 | 20 | 18900 | 1 | #Mid | 16QAM | 23.20 | 2.44 | 25.64 | PASS |
| Band2 | 20 | 18900 | 1 | #Max | 16QAM | 23.17 | 2.44 | 25.61 | PASS |
| Band2 | 20 | 18900 | 50 | #0 | 16QAM | 22.39 | 2.44 | 24.83 | PASS |
| Band2 | 20 | 18900 | 50 | #Mid | 16QAM | 22.52 | 2.44 | 24.96 | PASS |
| Band2 | 20 | 18900 | 50 | #Max | 16QAM | 22.45 | 2.44 | 24.89 | PASS |
| Band2 | 20 | 18900 | 100 | #0 | 16QAM | 22.44 | 2.44 | 24.88 | PASS |
| Band2 | 20 | 19100 | 1 | #0 | QPSK | 24.48 | 2.44 | 26.92 | PASS |
| Band2 | 20 | 19100 | 1 | #Mid | QPSK | 24.39 | 2.44 | 26.83 | PASS |
| Band2 | 20 | 19100 | 1 | #Max | QPSK | 24.88 | 2.44 | 27.32 | PASS |
| Band2 | 20 | 19100 | 50 | #0 | QPSK | 23.50 | 2.44 | 25.94 | PASS |
| Band2 | 20 | 19100 | 50 | #Mid | QPSK | 23.50 | 2.44 | 25.94 | PASS |
| Band2 | 20 | 19100 | 50 | #Max | QPSK | 23.63 | 2.44 | 26.07 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | QPSK | 23.35 | 2.44 | 25.79 | PASS |
| Band2 | 20 | 19100 | 1 | #0 | 16QAM | 23.66 | 2.44 | 26.10 | PASS |
| Band2 | 20 | 19100 | 1 | #Mid | 16QAM | 23.66 | 2.44 | 26.10 | PASS |
| Band2 | 20 | 19100 | 1 | #Max | 16QAM | 24.13 | 2.44 | 26.57 | PASS |
| Band2 | 20 | 19100 | 50 | #0 | 16QAM | 22.50 | 2.44 | 24.94 | PASS |
| Band2 | 20 | 19100 | 50 | #Mid | 16QAM | 22.49 | 2.44 | 24.93 | PASS |
| Band2 | 20 | 19100 | 50 | #Max | 16QAM | 22.80 | 2.44 | 25.24 | PASS |
| Band2 | 20 | 19100 | 100 | #0 | 16QAM | 22.45 | 2.44 | 24.89 | PASS |



No.: BCTC/RF-EMC-005 Page 3



| Band | Bandwidth | UL | RB | RB Desition | Modulation | Power | Gain | EIRP | Verdict |
|-------|--------------|------------------|-----------|----------------|------------|----------------|---------------|----------------|---------|
| Band4 | (MHz) 1.4 | Channel 19957 | Size 1 | Position #0 | QPSK | (dBm) 24.97 | (dBm) 0.97 | (dBm) 25.94 | PASS |
| Band4 | 1.4 | 19957 | 1 | #Mid | QPSK | 25.03 | 0.97 | 26.00 | PASS |
| Band4 | 1.4 | 19957 | 1 | #Max | QPSK | 24.95 | 0.97 | 25.92 | PASS |
| Band4 | 1.4 | 19957 | 3 | #IVIAX #0 | QPSK | 24.92 | 0.97 | 25.89 | PASS |
| Band4 | 1.4 | 19957 | 3 | #Mid | QPSK | 24.88 | 0.97 | 25.85 | PASS |
| Band4 | 1.4 | 19957 | 3 | #Max | QPSK | 24.83 | 0.97 | 25.80 | PASS |
| Band4 | 1.4 | 19957 | 6 | #IVIAX #0 | QPSK | 23.98 | 0.97 | 24.95 | PASS |
| Band4 | 1.4 | 19957 | 1 | #0 | 16QAM | 25.28 | 0.97 | 26.25 | PASS |
| Band4 | 1.4 | 19957 | 1 | #Mid | 16QAM | 25.35 | 0.97 | 26.32 | PASS |
| Band4 | 1.4 | 19957 | 1 | #Max | 16QAM | 25.35 | 0.97 | 26.32 | PASS |
| Band4 | 1.4 | 19957 | 3 | #0 | 16QAM | 24.13 | 0.97 | 25.10 | PASS |
| Band4 | 1.4 | 19957 | 3 | #Mid | 16QAM | 24.18 | 0.97 | 25.15 | PASS |
| Band4 | 1.4 | 19957 | 3 | #Max | 16QAM | 24.13 | 0.97 | 25.10 | PASS |
| Band4 | 1.4 | 19957 | 6 | #0 | 16QAM | 23.16 | 0.97 | 24.13 | PASS |
| Band4 | 1.4 | 20175 | 1 | #0 | QPSK | 24.75 | 0.97 | 25.72 | PASS |
| Band4 | 1.4 | 20175 | 1 | #Mid | QPSK | 24.77 | 0.97 | 25.74 | PASS |
| Band4 | 1.4 | 20175 | 1 | #Max | QPSK | 24.73 | 0.97 | 25.70 | PASS |
| Band4 | 1.4 | 20175 | 3 | #0 | QPSK | 24.77 | 0.97 | 25.74 | PASS |
| Band4 | 1.4 | 20175 | 3 | #Mid | QPSK | 24.84 | 0.97 | 25.81 | PASS |
| Band4 | 1.4 | 20175 | 3 | #Max | QPSK | 24.81 | 0.97 | 25.78 | PASS |
| Band4 | 1.4 | 20175 | 6 | #0 | QPSK | 23.76 | 0.97 | 24.73 | PASS |
| Band4 | 1.4 | 20175 | 1 | #0 | 16QAM | 25.04 | 0.97 | 26.01 | PASS |
| Band4 | 1.4 | 20175 | 1 | #Mid | 16QAM | 25.02 | 0.97 | 25.99 | PASS |
| Band4 | 1.4 | 20175 | 1 | #Max | 16QAM | 25.05 | 0.97 | 26.02 | PASS |
| Band4 | 1.4 | 20175 | 3 | #0 | 16QAM | 23.96 | 0.97 | 24.93 | PASS |
| Band4 | 1.4 | 20175 | 3 | #Mid | 16QAM | 23.94 | 0.97 | 24.91 | PASS |
| Band4 | 1.4 | 20175 | 3 | #Max | 16QAM | 23.92 | 0.97 | 24.89 | PASS |
| Band4 | 1.4 | 20175 | 6 | #0 | 16QAM | 22.84 | 0.97 | 23.81 | PASS |
| Band4 | 1.4 | 20393 | 1 | #0 | QPSK | 24.83 | 0.97 | 25.80 | PASS |
| Band4 | 1.4 | 20393 | 1 | #Mid | QPSK | 24.86 | 0.97 | 25.83 | PASS |
| Band4 | 1.4 | 20393 | 1 | #Max | QPSK | 24.75 | 0.97 | 25.72 | PASS |
| Band4 | 1.4 | 20393 | 3 | #0 | QPSK | 24.74 | 0.97 | 25.71 | PASS |
| Band4 | 1.4 | 20393 | 3 | #Mid | QPSK | 24.64 | 0.97 | 25.61 | PASS |
| Band4 | 1.4 | 20393 | 3 | #Max | QPSK | 24.56 | 0.97 | 25.53 | PASS |
| Band4 | 1.4 | 20393 | 6 | #0 | QPSK | 23.60 | 0.97 | 24.57 | PASS |
| Band4 | 1.4 | 20393 | 1 | #0 | 16QAM | 23.79 | 0.97 | 24.76 | PASS |
| Band4 | 1.4 | 20393 | 1 | #Mid | 16QAM | 23.82 | 0.97 | 24.79 | PASS |
| Band4 | 1.4 | 20393 | 1 | #Max | 16QAM | 23.81 | 0.97 | 24.78 | PASS |
| Band4 | 1.4 | 20393 | 3 | #0 | 16QAM | 23.63 | 0.97 | 24.60 | PASS |
| Band4 | 1.4 | 20393 | 3 | #Mid | 16QAM | 23.59 | 0.97 | 24.56 | PASS |
| Band4 | 1.4 | 20393 | 3 | #Max | 16QAM | 23.53 | 0.97 | 24.50 | PASS |
| Band4 | 1.4 | 20393 | 6 | #0 | 16QAM | 22.67 | 0.97 | 23.64 | PASS |
| Band4 | 3 | 19965 | 1 | #0 | QPSK | 24.88 | 0.97 | 25.85 | PASS |
| Band4 | 3 | 19965 | 1 | #Mid | QPSK | 24.80 | 0.97 | 25.77 | PASS |
| Band4 | 3 | 19965 | 1 | #Max | QPSK | 24.69 | 0.97 | 25.66 | PASS |
| Band4 | 3 | 19965 | 8 | #0 | QPSK | 23.91 | 0.97 | 24.88 | PASS |
| Band4 | 3 | 19965 | 8 | #Mid | QPSK | 23.84 | 0.97 | 24.81 | PASS |
| Band4 | 3 | 19965 | 8 | #Max | QPSK | 23.79 | 0.97 | 24.76 | PASS |
| Band4 | 3 | 19965 | 15 | #0 | QPSK | 23.94 | 0.97 | 24.91 | PASS |
| Band4 | 3 | 19965 | 1 | #0 | 16QAM | 25.44 | 0.97 | 26.41 | PASS |
| Band4 | 3 | 19965 | 1 | #Mid | 16QAM | 25.39 | 0.97 | 26.36 | PASS |
| Band4 | 3 | 19965 | 1 | #Max | 16QAM | 25.31 | 0.97 | 26.28 | PASS |
| Band4 | 3 | 19965 | 8 | #0 | 16QAM | 22.91 | 0.97 | 23.88 | PASS |
| Band4 | 3 | 19965 | 8 | #Mid | 16QAM | 22.92 | 0.97 | 23.89 | PASS |



| | | | | | Re | port No : | BCTC240 |)8028722 | 2 E |
|-------|----------|-------|----|--------------|------------|-----------|---------|----------|------------|
| Band4 | 3 | 19965 | 8 | #Max | 16QAM | 22.83 | 0.97 | 23.80 | PASS |
| Band4 | 3 | 19965 | 15 | #0 | 16QAM | 23.02 | 0.97 | 23.99 | PASS |
| Band4 | 3 | 20175 | 1 | #0 | QPSK | 24.88 | 0.97 | 25.85 | PASS |
| Band4 | 3 | 20175 | 1 | #Mid | QPSK | 24.93 | 0.97 | 25.90 | PASS |
| Band4 | 3 | 20175 | 1 | #Max | QPSK | 25.00 | 0.97 | 25.97 | PASS |
| Band4 | 3 | 20175 | 8 | #0 | QPSK | 23.88 | 0.97 | 24.85 | PASS |
| Band4 | 3 | 20175 | 8 | #Mid | QPSK | 23.82 | 0.97 | 24.79 | PASS |
| Band4 | 3 | 20175 | 8 | #Max | QPSK | 23.86 | 0.97 | 24.83 | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QPSK | 23.80 | 0.97 | 24.77 | PASS |
| Band4 | 3 | 20175 | 1 | #0 | 16QAM | 24.39 | 0.97 | 25.36 | PASS |
| Band4 | 3 | 20175 | 1 | #Mid | 16QAM | 24.37 | 0.97 | 25.34 | PASS |
| Band4 | 3 | 20175 | 1 | #Max | 16QAM | 24.43 | 0.97 | 25.40 | PASS |
| Band4 | 3 | 20175 | 8 | #0 | 16QAM | 22.96 | 0.97 | 23.93 | PASS |
| Band4 | 3 | 20175 | 8 | #Mid | 16QAM | 22.98 | 0.97 | 23.95 | PASS |
| Band4 | 3 | 20175 | 8 | #Max | 16QAM | 23.01 | 0.97 | 23.98 | PASS |
| Band4 | 3 | 20175 | 15 | #0 | 16QAM | 22.91 | 0.97 | 23.88 | PASS |
| Band4 | 3 | 20385 | 1 | #0 | QPSK | 24.94 | 0.97 | 25.91 | PASS |
| Band4 | 3 | 20385 | 1 | #Mid | QPSK | 24.79 | 0.97 | 25.76 | PASS |
| Band4 | 3 | 20385 | 1 | #Max | QPSK | 24.76 | 0.97 | 25.73 | PASS |
| Band4 | 3 | 20385 | 8 | #10 | QPSK | 23.68 | 0.97 | 24.65 | PASS |
| | 3 | 20385 | 8 | #Mid | QPSK | 23.70 | 0.97 | 24.65 | PASS |
| Band4 | 3 | 20385 | 8 | #Max | QPSK | 23.62 | 0.97 | 24.57 | PASS |
| Band4 | <u> </u> | | 15 | #IVIAX #0 | | | | | |
| Band4 | | 20385 | | | QPSK | 23.67 | 0.97 | 24.64 | PASS |
| Band4 | 3 | 20385 | 1 | #0 | 16QAM | 23.90 | 0.97 | 24.87 | PASS |
| Band4 | 3 | 20385 | 1 | #Mid | 16QAM | 23.78 | 0.97 | 24.75 | PASS |
| Band4 | 3 | 20385 | 1 | #Max | 16QAM | 23.82 | 0.97 | 24.79 | PASS |
| Band4 | 3 | 20385 | 8 | #0 | 16QAM | 22.82 | 0.97 | 23.79 | PASS |
| Band4 | 3 | 20385 | 8 | #Mid | 16QAM | 22.81 | 0.97 | 23.78 | PASS |
| Band4 | 3 | 20385 | 8 | #Max | 16QAM | 22.77 | 0.97 | 23.74 | PASS |
| Band4 | 3 | 20385 | 15 | #0 | 16QAM | 22.71 | 0.97 | 23.68 | PASS |
| Band4 | 5 | 19975 | 1 | #0 | QPSK | 24.84 | 0.97 | 25.81 | PASS |
| Band4 | 5 | 19975 | 1 | #Mid | QPSK | 24.65 | 0.97 | 25.62 | PASS |
| Band4 | 5 | 19975 | 1 | #Max | QPSK | 24.63 | 0.97 | 25.60 | PASS |
| Band4 | 5 | 19975 | 12 | #0 | QPSK | 23.95 | 0.97 | 24.92 | PASS |
| Band4 | 5 | 19975 | 12 | #Mid | QPSK | 23.82 | 0.97 | 24.79 | PASS |
| Band4 | 5 | 19975 | 12 | #Max | QPSK | 23.90 | 0.97 | 24.87 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK | 23.83 | 0.97 | 24.80 | PASS |
| Band4 | 5 | 19975 | 1 | #0 | 16QAM | 24.60 | 0.97 | 25.57 | PASS |
| Band4 | 5 | 19975 | 1 | #Mid | 16QAM | 24.48 | 0.97 | 25.45 | PASS |
| Band4 | 5 | 19975 | 1 | #Max | 16QAM | 24.45 | 0.97 | 25.42 | PASS |
| Band4 | 5 | 19975 | 12 | #0 | 16QAM | 22.87 | 0.97 | 23.84 | PASS |
| Band4 | 5 | 19975 | 12 | #Mid | 16QAM | 22.81 | 0.97 | 23.78 | PASS |
| Band4 | 5 | 19975 | 12 | #Max | 16QAM | 22.77 | 0.97 | 23.74 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | 16QAM | 22.96 | 0.97 | 23.93 | PASS |
| Band4 | 5 | 20175 | 1 | #0 | QPSK | 24.86 | 0.97 | 25.83 | PASS |
| Band4 | 5 | 20175 | 1 | #Mid | QPSK | 24.91 | 0.97 | 25.88 | PASS |
| Band4 | 5 | 20175 | 1 | #Max | QPSK | 24.96 | 0.97 | 25.93 | PASS |
| Band4 | 5 | 20175 | 12 | #0 | QPSK | 23.93 | 0.97 | 24.90 | PASS |
| Band4 | 5 | 20175 | 12 | #Mid | QPSK | 23.82 | 0.97 | 24.79 | PASS |
| Band4 | 5 | 20175 | 12 | #Max | QPSK | 23.96 | 0.97 | 24.93 | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QPSK | 23.87 | 0.97 | 24.84 | PASS |
| Band4 | 5 | 20175 | 1 | #0 | 16QAM | 24.38 | 0.97 | 25.35 | PASS |
| Band4 | 5 | 20175 | 1 | #Mid | 16QAM | 24.42 | 0.97 | 25.39 | PASS |
| Band4 | 5 | 20175 | 1 | #Max | 16QAM | 24.42 | 0.97 | 25.39 | PASS |
| Band4 | 5 | 20175 | 12 | #0 | 16QAM····· | 22.68 | 0.97 | 23.65 | PASS |
| Danu | | | | | | | | | |
| Band4 | 5 | 20175 | 12 | #Mid | 16QAM | 22.69 | 0.97 | 23.66 | PASS |