

TEST REPORT

Applicant: JACS Solutions, Inc.
Address: 809 Pinnacle Drive, Suite R, Linthicum Heights, MD
21090, USA
Equipment Type: 8 inch tablet
Model Name: TR0840
Brand Name: TAE TAB
FCC ID: 2AGCDTR0840
Test Standard: FCC 47 CFR Part 2.1093
(refer section 3.1)
Maximum SAR: Body (1 g@0mm): 0.79 W/kg
Sample Arrival Date: Jul. 08, 2026
Test Date: Jul. 24, 2026 - Jul. 30, 2026
Date of Issue: Sep. 09, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Song Gui**Checked by:** Xu Rui**Approved by:** Liao Jianming
(Technical Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Aug. 20, 2026</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Sep. 09, 2026</u>	<u>Correct the Brand Name</u>

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong ☒ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

1.3 Test Environment Condition

Ambient Temperature	18°C to 25°C
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	JACS Solutions, Inc.
Address	809 Pinnacle Drive, Suite R, Linthicum Heights, MD 21090, USA

2.2 Manufacturer Information

Manufacturer	JACS Solutions, Inc.
Address	809 Pinnacle Drive, Suite R, Linthicum Heights, MD 21090, USA

2.3 General Description for Equipment under Test (EUT)

EUT Name	8 inch tablet
Model Name Under Test	TR0840
Series Model Name	N/A
Description of Model Name Differentiation	N/A
Hardware Version	MBV1.0
Software Version	TR0840 JACS V1.0.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
EUT ID	CC26060255-001-S07, S06
IMEI number	CC26060255-001-S07: SN:C4FBC80A65E4; IMEI:867141050059116
	CC26060255-001-S06: SN:C4FBC80A65E6; IMEI:867141050059272

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	YUNGBANG
	Model No.	2898103_1S2P_3.7V_6000mAh
	Serial No.	N/A
	Capacitance	Rated: 6000mAh Typical: 6000mAh
	Rated Voltage	3.7V
	Limited Voltage	4.28V
	Manufacturer	YUNGBANG CONFIDENTIAL

2.5 Technical Information

Network and Wireless connectivity	3G Network WCDMA HSDPA/HSUPA Band 2/4/5 4G Network LTE FDD Band 2/4/5/7/12/13/14/17/25/26/29/30/66/71 LTE TDD Band B41/42/43/46/48 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40), 802.11ac(VHT20/40/80), 802.11ax(HE20/40/80) GPS, NFC
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	WCDMA; LTE; WLAN; Bluetooth		
Frequency Range	WCDMA Band 2	TX: 1850~1910 MHz	RX: 1930~1990 MHz
	WCDMA Band 4	TX: 1710~1755 MHz	RX: 2110~2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850~1910 MHz	RX: 1930~1990 MHz
	LTE Band 4	TX: 1710~1755 MHz	RX: 2110~2115 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 699-716 MHz	RX: 729~746 MHz
	LTE Band 13	TX: 777-787 MHz	RX: 746~756 MHz
	LTE Band 14	TX: 788-798 MHz	RX: 758~768 MHz
	LTE Band 17	TX: 704-716 MHz	RX: 734~746 MHz
	LTE Band 25	TX: 1850~1915 MHz	RX: 1930~1995 MHz
	LTE Band 26	TX: 814~849 MHz	RX: 859~894 MHz
	LTE Band 30	TX: 2305~2315 MHz	RX: 2350~2360 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	LTE Band 42	TX: 3400~3800 MHz	RX: 3400~3800 MHz
	LTE Band 43	TX: 3600~3800 MHz	RX: 3600~3800 MHz
	LTE Band 48	TX: 3550~3700 MHz	RX: 3550~3700 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 1710 ~ 1780 MHz
	LTE Band 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	802.11b/g/n(HT20/40)	2400 ~ 2483.5 MHz	
	802.11a	5150 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	802.11n(HT20/HT40)	5150 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	802.11ac (VHT20/VHT40/VHT80)	5150 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	802.11ax (HE20/HE40/HE80)	5150 ~ 5350 MHz	
		5470 ~ 5725 MHz	

Antenna Type		5725 ~ 5850 MHz
	Bluetooth	2400 ~ 2483.5 MHz
	WWAN	FPC
	WLAN	FPC
	Bluetooth	FPC
Exposure Category	General Population/Uncontrolled exposure	
EUT Type	Portable Device	

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI/IEEE Std. C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
4	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
5	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
6	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
7	KDB 865664 D02 v01r02	RF Exposure Reporting
8	KDB 248227 D01 v02r02	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters
9	KDB 616217 D04 v01r02	SAR for laptop and tablets

3.2 Device Category and SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user.

Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue.

Table of Exposure Limits:

Body Position	SAR Value (W/Kg)	
	General Population/ Uncontrolled Exposure	Occupational/ Controlled Exposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

General Population/Uncontrolled Exposure: Locations where there is the exposure of individuals who have no knowledge or control of their exposure. General population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

Occupational/Controlled Exposure: Locations where there is exposure that may be incurred by persons who are aware of the potential for exposure. In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

3.3 Test Result Summary

3.3.1 Highest SAR

Equipment Class	Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
		Body (0mm)	Body (0mm)
		1g SAR	1g SAR
PCB	WCDMA Band 2	0.61	0.79
	WCDMA Band 4	0.40	
	WCDMA Band 5	0.53	
	LTE Band 7	0.38	
	LTE Band 12	0.73	
	LTE Band 13	0.52	
	LTE Band 14	0.37	
	LTE Band 25	0.66	
	LTE Band 26	0.70	
	LTE Band 30	0.65	
	LTE Band 66	0.47	
	LTE Band 71	0.28	
	LTE Band 41	0.79	
	LTE Band 42	0.53	
	LTE Band 43	0.55	
	LTE Band 48	0.45	
DTS	2.4G WIFI	0.63	0.31
NII	5.3G WIFI	0.30	
	5.6G WIFI	0.23	
	5.8G WIFI	0.21	
DSS	Bluetooth	0.31	
Limit (W/kg)		1.6	1.6
Verdict		PASS	
Note:This device supports LTE B2/B4/B5/B17 and LTE B25/B66/B26/B12. Since the supported frequency span for LTE B2/B4/B5/B17 falls completely within the supports frequency span for LTE B25/B66/B26/B12, these LTE bands have the same target power, and share the same transmission path; therefore, SAR was only assessed for LTE B25/B66/B26/B12.			

3.3.2 Highest Simultaneous Transmission SAR

Equipment Class	Maximum Simultaneous Transmission SAR
	(W/kg)
	Body 1g (0mm)
PCB	1.55
DTS	1.17
NII	1.55
DSS	1.55
Limit (W/Kg)	1.60
Verdict	Pass

3.4 Test Uncertainty

According to KDB 865664 D01, when the highest measured 1 g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis is not required in SAR reports submitted for equipment approval.

The maximum 1 g SAR for the EUT in this report is 0.79 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

4 MEASUREMENT SYSTEM

4.1 Specific Absorption Rate (SAR) Definition

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 techniques 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.

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:

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

SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

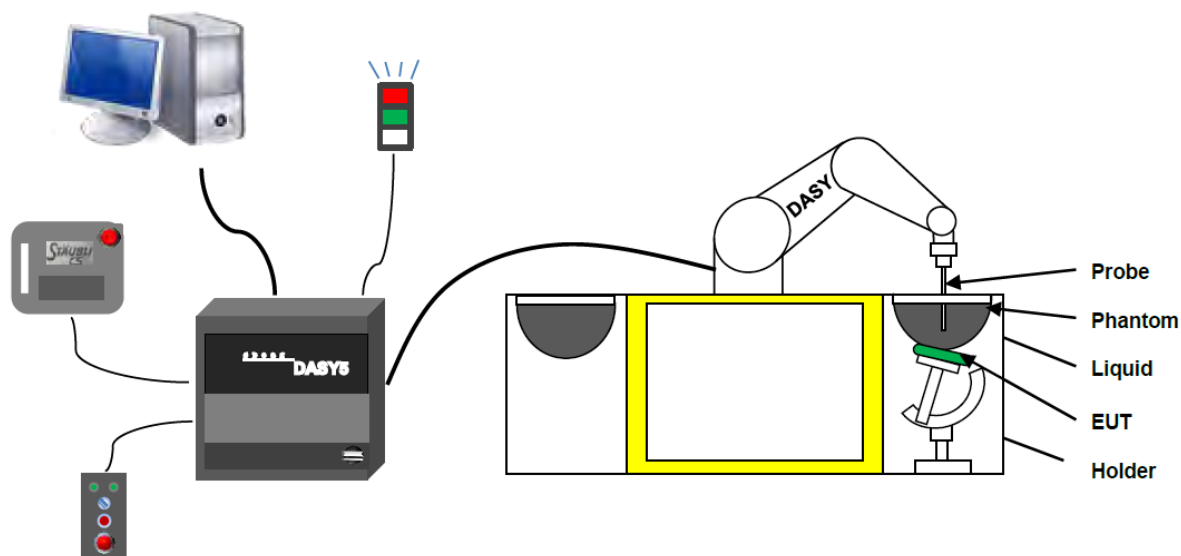
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,

ρ is the mass density of the tissue and E is the RMS electrical field strength.

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



The DASY5 system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY5 measurement server.
6. The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY5 software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many features that are important for our application:



- High precision
(repeatability ± 0.02 mm)
- High reliability
(industrial design)
- Low maintenance costs
(virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements
(brush less synchron motors; no stepper motors)
- Low ELF interference
(motor control _elds shielded via the closed metallic construction shields)

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4 with following specifications is used.

Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection system Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic range	5 μ W/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)



E-Field Probe Calibration Process

Probe calibration is realized, in compliance with CENELEC EN 62209-1/-2 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the EN 62209-1/2 annexe technique using reference guide at the five frequencies.

4.2.4 Data Acquisition Electronics

The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.



- Input Impedance: 200M Ω m
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

4.2.5 Phantoms

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.



- Left hand
- Right hand
- Flat phantom



Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully compatible with the latest draft of the standard IEC 62209 Part II and all known tissue simulating liquids. ELI4 has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points.



• Flat phantom



4.2.6 Device Holder

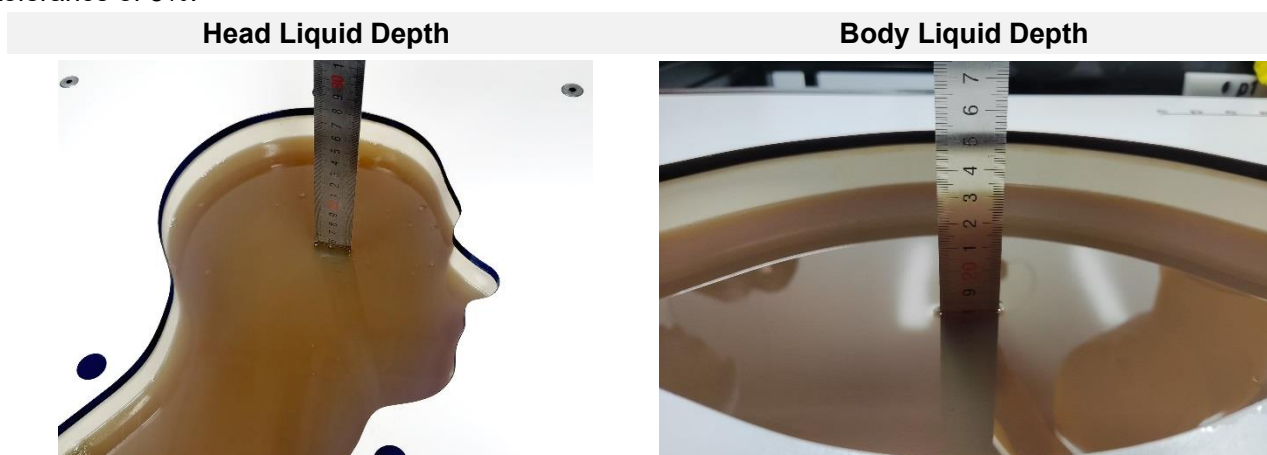
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA's only. If necessary an additional support of polystyrene material is used. Larger DUT's (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.



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

4.2.7 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. 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. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5%.



The following table gives the recipes for tissue simulating liquid.

TSL	Manufacturer / Model	Freq Range (MHz)	Main Ingredients
Head WideBand	SPEAG HBBL600-10000V6	600-10000	Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

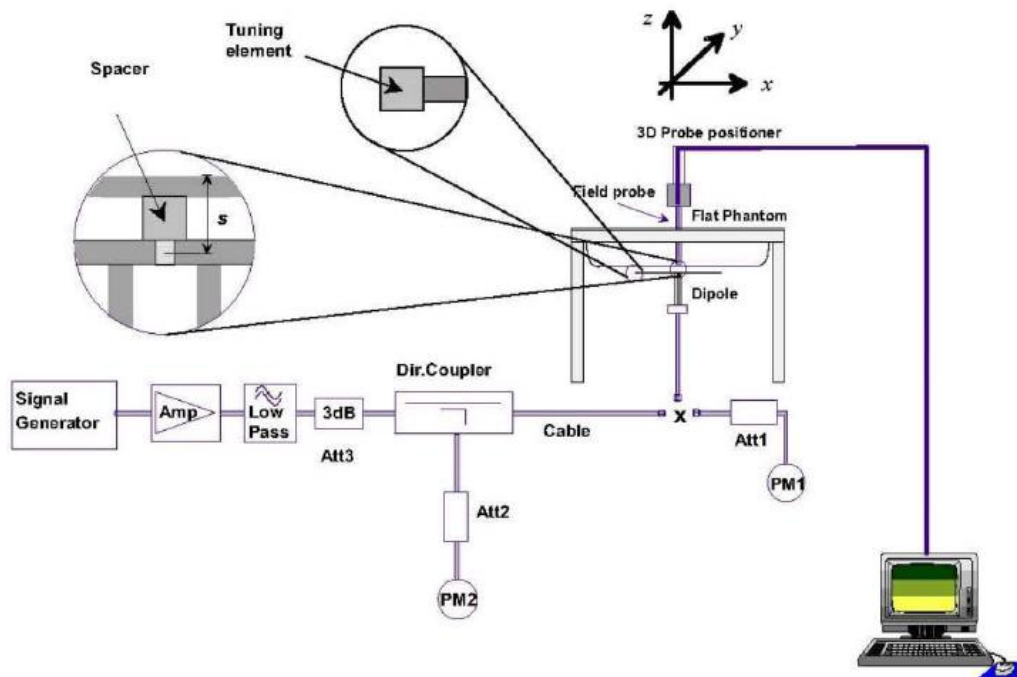
5 SYSTEM VERIFICATION

5.1 Purpose of System Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source. This setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

5.2 System Check 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 that comes from a signal generator. 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 equipment setup is shown below:



6 TEST POSITION CONFIGURATIONS

6.1 Tablet Exposure Condition

This DUT was tested in six different positions. They are front side, back side, left edge, right edge, bottom edge and top edge in these positions, the surface of DUT is touching with phantom 0mm.

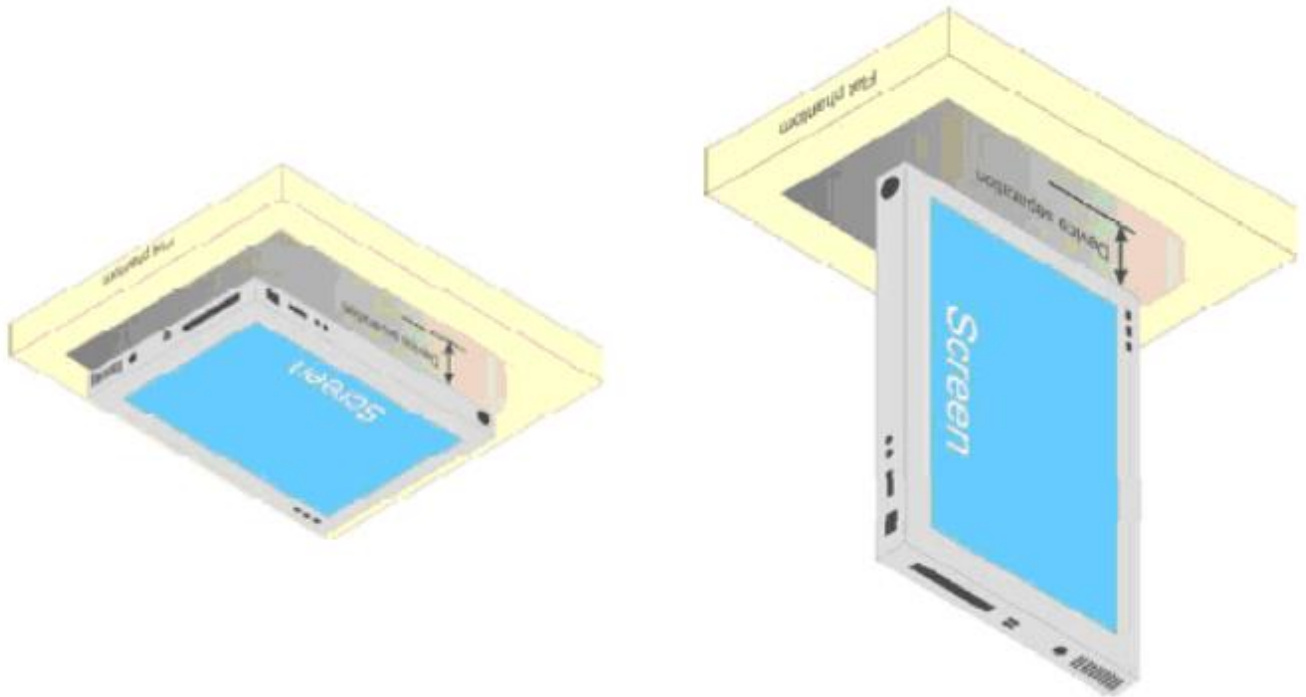
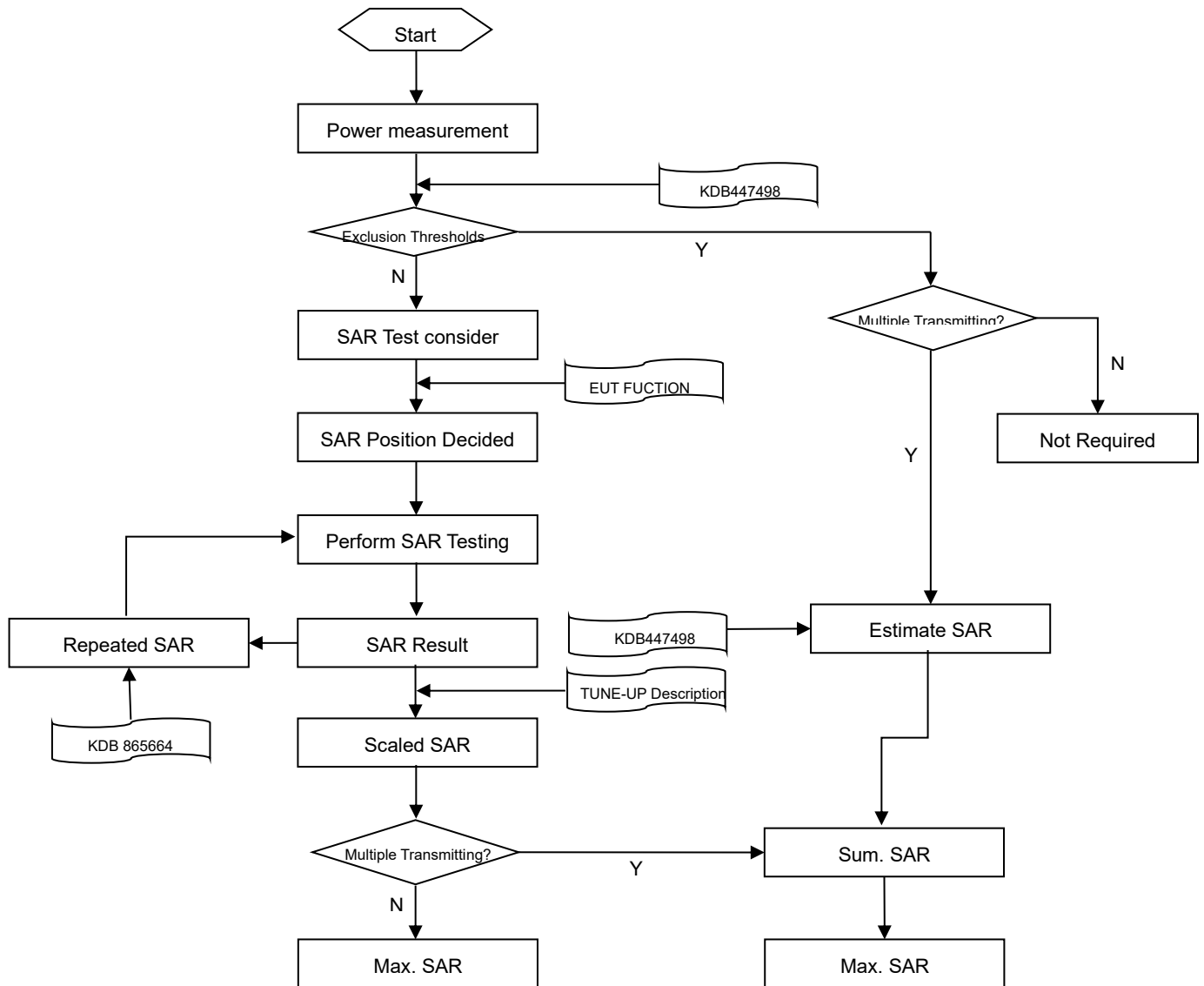


Fig Illustration for Lap-touching Position

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1 g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013.

			≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5±1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5$ mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			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 with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm
				4–5 GHz: ≤ 3 mm
				5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm
				4–5 GHz: ≤ 2.5 mm
		Δz Zoom (n>1): between subsequent points	≤ 1.5·Δz Zoom (n-1)	
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: 1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528-2011 for details. 2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB 447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

7.3 Measurement Procedure

The following steps are used for each test position

- a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

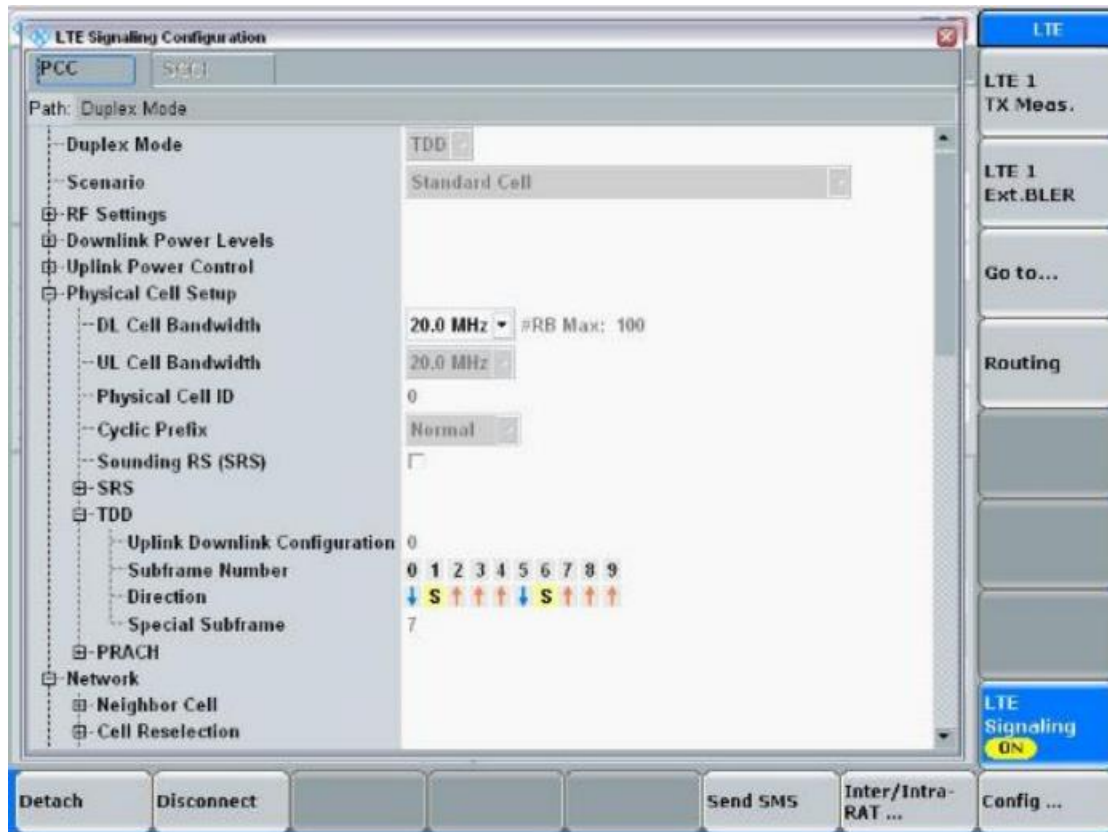
7.4 Area & Zoom Scan Procedure

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 is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 quoted below.

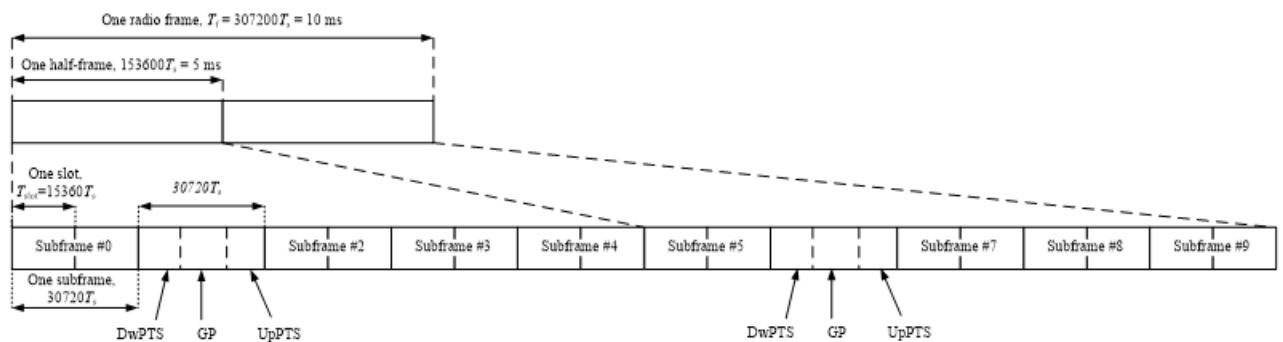
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 LTE (TDD) Considerations

During TDD-LTE SAR testing, the EUT was commanded to transmit on maximum output power and maximum transmitting bandwidth. The uplink and downlink slot configuration as below in one radio frame.



According to 3GPP Per 3GPP TS 36.211. Each radio frame of length ($T_f = 307200 \cdot T_s = 10\text{ms}$) of two half-frames of length ($153600 \cdot T_s = 5\text{ms}$). Each half-frame consists of five sub-frames of length ($30720 \cdot T_s = 1\text{ms}$)



And the special sub-frame with the three fields DwPTS, GP and UpPTS.

The length of DwPTS and UpPTS is given by below table subject to the total length of DwPTS, GP and UpPTS being equal to $30720 \cdot T_s = 1\text{ms}$.

Configuration of special sub-frame (lengths of DwPTS/GP/UpPTS)

Special sub-frame configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21592 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$2560 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21592 \cdot T_s$			$12800 \cdot T_s$	-	-
8	$24144 \cdot T_s$			-		
9	$13168 \cdot T_s$			-	-	-

For special sub-frame uplink time we used the largest cyclic prefix for duty cycle calculate;

Maximum uplink time of one special sub-frame=(largest cyclic prefix)/(one sub-frame of length)* time of one sub-frame= $5120 \cdot T_s / 30720 \cdot T_s \cdot 1\text{ms} = 0.167\text{ms}$

One radio frame with 6 uplink sub-frames and two special sub-frame,

there for the maximum Uplink time in one radio frame is: **$6 \cdot 1\text{ ms} + 2 \cdot 0.167\text{ ms} = 6.334\text{ms}$**

So, the duty cycle for TDD-LTE is: **$6.334\text{ms} / 10\text{ms} = 1: 1.58$**

8 CONDUCTED RF OUTPUT POWER

Please refer the document “Ti-CC26070052-AP.pdf”.

8.1 WCDMA

Please refer the document “Ti-CC26070052-AP.pdf”.

8.2 LTE

Please refer the document “Ti-CC26070052-AP.pdf”.

8.3 WIFI

Please refer the document “Ti-CC26070052-AP.pdf”.

8.4 Bluetooth

Please refer the document “Ti-CC26070052-AP.pdf”.

9 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document "Ti-CC26070052-AI EUT internal photo.pdf.

10 TEST RESULT

Note: Refer to ANNEX C for the detailed test data for each test configuration.

10.1 WWAN Body

Band	Antenna	Mode	Position	Dist.(mm)	Bandwidth	Ch.	Freq.(MHz)	RB Size	RB offset	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
WCDMA B2	ANT0	RMC	Front Side	0	/	9538	1907.6	/	/	-0.07	0.305	13.94	15.50	1.432	0.437	/
WCDMA B2	ANT0	RMC	Back Side	0	/	9538	1907.6	/	/	-0.14	0.413	13.94	15.50	1.432	0.591	/
WCDMA B2	ANT0	RMC	Left Edge	0	/	9538	1907.6	/	/	0.00	0.013	13.94	15.50	1.432	0.019	/
WCDMA B2	ANT0	RMC	Right Edge	0	/	9538	1907.6	/	/	0.12	0.017	13.94	15.50	1.432	0.024	/
WCDMA B2	ANT0	RMC	Top Edge	0	/	9538	1907.6	/	/	0.19	0.015	13.94	15.50	1.432	0.021	/
WCDMA B2	ANT0	RMC	Bottom Edge	0	/	9538	1907.6	/	/	0.10	0.354	13.94	15.50	1.432	0.507	/
WCDMA B2	ANT0	RMC	Back Side	0	/	9262	1852.4	/	/	-0.01	0.420	13.90	15.50	1.445	0.607	1 #
WCDMA B2	ANT0	RMC	Back Side	0	/	9400	1880	/	/	-0.01	0.389	13.64	15.50	1.535	0.597	/
WCDMA B4	ANT0	RMC	Front Side	0	/	1412	1732.4	/	/	0.14	0.231	13.16	14.50	1.361	0.314	/
WCDMA B4	ANT0	RMC	Back Side	0	/	1412	1732.4	/	/	0.16	0.295	13.16	14.50	1.361	0.401	2 #
WCDMA B4	ANT0	RMC	Left Edge	0	/	1412	1732.4	/	/	-0.09	0.015	13.16	14.50	1.361	0.020	/
WCDMA B4	ANT0	RMC	Right Edge	0	/	1412	1732.4	/	/	-0.05	0.017	13.16	14.50	1.361	0.023	/
WCDMA B4	ANT0	RMC	Top Edge	0	/	1412	1732.4	/	/	-0.11	0.012	13.16	14.50	1.361	0.016	/
WCDMA B4	ANT0	RMC	Bottom Edge	0	/	1412	1732.4	/	/	0.14	0.225	13.16	14.50	1.361	0.306	/
WCDMA B4	ANT0	RMC	Back Side	0	/	1312	1712.4	/	/	0.04	0.278	13.04	14.50	1.400	0.389	/
WCDMA B4	ANT0	RMC	Back Side	0	/	1513	1752.6	/	/	-0.08	0.281	12.99	14.50	1.416	0.398	/
WCDMA B5	ANT0	RMC	Front Side	0	/	4132	826.4	/	/	-0.08	0.366	18.20	19.50	1.349	0.494	/

WCDMA B5	ANT0	RMC	Back Side	0	/	4132	826.4	/	/	0.05	0.326	18.20	19.50	1.349	0.440	/
WCDMA B5	ANT0	RMC	Left Edge	0	/	4132	826.4	/	/	-0.11	0.017	18.20	19.50	1.349	0.023	/
WCDMA B5	ANT0	RMC	Right Edge	0	/	4132	826.4	/	/	0.03	0.082	18.20	19.50	1.349	0.111	/
WCDMA B5	ANT0	RMC	Top Edge	0	/	4132	826.4	/	/	-0.16	0.011	18.20	19.50	1.349	0.015	/
WCDMA B5	ANT0	RMC	Bottom Edge	0	/	4132	826.4	/	/	-0.18	0.138	18.20	19.50	1.349	0.186	/
WCDMA B5	ANT0	RMC	Front Side	0	/	4183	836.6	/	/	0.10	0.367	18.01	19.50	1.409	0.517	/
WCDMA B5	ANT0	RMC	Front Side	0	/	4233	846.6	/	/	0.05	0.374	17.96	19.50	1.426	0.533	3#
LTE B7	ANT0	QPSK	Front Side	0	20	21100	2535	1	49	-0.15	0.194	15.44	17.00	1.432	0.278	/
LTE B7	ANT0	QPSK	Back Side	0	20	21100	2535	1	49	0.01	0.182	15.44	17.00	1.432	0.261	/
LTE B7	ANT0	QPSK	Left Edge	0	20	21100	2535	1	49	-0.14	0.014	15.44	17.00	1.432	0.020	/
LTE B7	ANT0	QPSK	Right Edge	0	20	21100	2535	1	49	-0.16	0.015	15.44	17.00	1.432	0.021	/
LTE B7	ANT0	QPSK	Top Edge	0	20	21100	2535	1	49	0.18	0.013	15.44	17.00	1.432	0.019	/
LTE B7	ANT0	QPSK	Bottom Edge	0	20	21100	2535	1	49	0.10	0.143	15.44	17.00	1.432	0.205	/
LTE B7	ANT0	QPSK	Front Side	0	20	20850	2510	1	0	-0.02	0.262	15.38	17.00	1.452	0.380	4#
LTE B7	ANT0	QPSK	Front Side	0	20	21350	2560	1	49	0.07	0.236	15.38	17.00	1.452	0.343	/
LTE B7	ANT0	QPSK	Front Side	0	20	20850	2510	50	50	-0.02	0.198	14.50	16.00	1.413	0.280	/
LTE B7	ANT0	QPSK	Back Side	0	20	20850	2510	50	50	0.12	0.138	14.50	16.00	1.413	0.195	/
LTE B7	ANT0	QPSK	Left Edge	0	20	20850	2510	50	50	-0.19	0.010	14.50	16.00	1.413	0.014	/
LTE B7	ANT0	QPSK	Right Edge	0	20	20850	2510	50	50	-0.18	0.017	14.50	16.00	1.413	0.024	/
LTE B7	ANT0	QPSK	Top Edge	0	20	20850	2510	50	50	-0.18	0.015	14.50	16.00	1.413	0.021	/
LTE B7	ANT0	QPSK	Bottom Edge	0	20	20850	2510	50	50	-0.04	0.127	14.50	16.00	1.413	0.179	/
LTE B7	ANT0	QPSK	Front Side	0	20	21100	2535	50	50	-0.05	0.213	14.15	16.00	1.531	0.326	/

LTE B7	ANT0	QPSK	Front Side	0	20	21350	2560	50	50	-0.18	0.189	14.08	16.00	1.556	0.294	/
LTE B7	ANT0	QPSK	Front Side	0	20	20850	2510	100	0	0.12	0.193	14.16	16.00	1.528	0.295	/
LTE B12	ANT0	QPSK	Front Side	0	10	23095	707.5	1	0	-0.17	0.325	20.42	22.00	1.439	0.468	/
LTE B12	ANT0	QPSK	Back Side	0	10	23095	707.5	1	0	0.02	0.485	20.42	22.00	1.439	0.698	/
LTE B12	ANT0	QPSK	Left Edge	0	10	23095	707.5	1	0	0.02	0.013	20.42	22.00	1.439	0.019	/
LTE B12	ANT0	QPSK	Right Edge	0	10	23095	707.5	1	0	0.14	0.146	20.42	22.00	1.439	0.210	/
LTE B12	ANT0	QPSK	Top Edge	0	10	23095	707.5	1	0	0.05	0.014	20.42	22.00	1.439	0.020	/
LTE B12	ANT0	QPSK	Bottom Edge	0	10	23095	707.5	1	0	0.19	0.082	20.42	22.00	1.439	0.118	/
LTE B12	ANT0	QPSK	Back Side	0	10	23060	704	1	0	-0.12	0.472	20.10	22.00	1.549	0.731	/
LTE B12	ANT0	QPSK	Back Side	0	10	23130	711	1	24	0.04	0.503	20.36	22.00	1.459	0.734	5#
LTE B12	ANT0	QPSK	Front Side	0	10	23095	707.5	25	12	0.10	0.274	19.16	21.00	1.528	0.419	/
LTE B12	ANT0	QPSK	Back Side	0	10	23095	707.5	25	12	0.05	0.403	19.16	21.00	1.528	0.616	/
LTE B12	ANT0	QPSK	Left Edge	0	10	23095	707.5	25	12	-0.06	0.011	19.16	21.00	1.528	0.017	/
LTE B12	ANT0	QPSK	Right Edge	0	10	23095	707.5	25	12	-0.12	0.133	19.16	21.00	1.528	0.203	/
LTE B12	ANT0	QPSK	Top Edge	0	10	23095	707.5	25	12	0.15	0.011	19.16	21.00	1.528	0.017	/
LTE B12	ANT0	QPSK	Bottom Edge	0	10	23095	707.5	25	12	-0.12	0.068	19.16	21.00	1.528	0.104	/
LTE B12	ANT0	QPSK	Back Side	0	10	23060	704	25	25	-0.01	0.407	19.15	21.00	1.531	0.623	/
LTE B12	ANT0	QPSK	Back Side	0	10	23130	711	25	0	0.15	0.403	19.06	21.00	1.563	0.630	/
LTE B12	ANT0	QPSK	Back Side	0	10	23095	707.5	50	0	-0.12	0.402	19.17	21.00	1.524	0.613	/
LTE B13	ANT0	QPSK	Front Side	0	10	23230	782	1	49	-0.19	0.332	18.69	20.50	1.517	0.504	/
LTE B13	ANT0	QPSK	Back Side	0	10	23230	782	1	49	0.08	0.342	18.69	20.50	1.517	0.519	6#
LTE B13	ANT0	QPSK	Left Edge	0	10	23230	782	1	49	0.11	0.014	18.69	20.50	1.517	0.021	/

LTE B13	ANT0	QPSK	Right Edge	0	10	23230	782	1	49	-0.17	0.167	18.69	20.50	1.517	0.253	/
LTE B13	ANT0	QPSK	Top Edge	0	10	23230	782	1	49	0.03	0.011	18.69	20.50	1.517	0.017	/
LTE B13	ANT0	QPSK	Bottom Edge	0	10	23230	782	1	49	0.18	0.100	18.69	20.50	1.517	0.152	/
LTE B13	ANT0	QPSK	Front Side	0	10	23230	782	25	12	0.01	0.284	17.73	19.50	1.503	0.427	/
LTE B13	ANT0	QPSK	Back Side	0	10	23230	782	25	12	-0.15	0.289	17.73	19.50	1.503	0.434	/
LTE B13	ANT0	QPSK	Left Edge	0	10	23230	782	25	12	0.08	0.013	17.73	19.50	1.503	0.020	/
LTE B13	ANT0	QPSK	Right Edge	0	10	23230	782	25	12	0.17	0.122	17.73	19.50	1.503	0.183	/
LTE B13	ANT0	QPSK	Top Edge	0	10	23230	782	25	12	-0.11	0.017	17.73	19.50	1.503	0.026	/
LTE B13	ANT0	QPSK	Bottom Edge	0	10	23230	782	25	12	0.00	0.088	17.73	19.50	1.503	0.132	/
LTE B13	ANT0	QPSK	Back Side	0	10	23230	782	50	0	0.11	0.281	17.71	19.50	1.510	0.424	/
LTE B14	ANT0	QPSK	Front Side	0	10	23330	793	1	49	-0.13	0.235	18.14	20.00	1.535	0.361	/
LTE B14	ANT0	QPSK	Back Side	0	10	23330	793	1	49	0.10	0.242	18.14	20.00	1.535	0.371	7#
LTE B14	ANT0	QPSK	Left Edge	0	10	23330	793	1	49	0.02	0.014	18.14	20.00	1.535	0.021	/
LTE B14	ANT0	QPSK	Right Edge	0	10	23330	793	1	49	-0.19	0.108	18.14	20.00	1.535	0.166	/
LTE B14	ANT0	QPSK	Top Edge	0	10	23330	793	1	49	0.00	0.013	18.14	20.00	1.535	0.020	/
LTE B14	ANT0	QPSK	Bottom Edge	0	10	23330	793	1	49	0.16	0.091	18.14	20.00	1.535	0.140	/
LTE B14	ANT0	QPSK	Front Side	0	10	23330	793	25	0	0.00	0.201	17.11	19.00	1.545	0.311	/
LTE B14	ANT0	QPSK	Back Side	0	10	23330	793	25	0	0.09	0.203	17.11	19.00	1.545	0.314	/
LTE B14	ANT0	QPSK	Left Edge	0	10	23330	793	25	0	0.03	0.015	17.11	19.00	1.545	0.023	/
LTE B14	ANT0	QPSK	Right Edge	0	10	23330	793	25	0	0.09	0.104	17.11	19.00	1.545	0.161	/
LTE B14	ANT0	QPSK	Top Edge	0	10	23330	793	25	0	0.16	0.013	17.11	19.00	1.545	0.020	/
LTE B14	ANT0	QPSK	Bottom Edge	0	10	23330	793	25	0	0.04	0.075	17.11	19.00	1.545	0.116	/

LTE B14	ANT0	QPSK	Front Side	0	10	23330	793	50	0	0.01	0.196	17.09	19.00	1.552	0.304	/
LTE B25	ANT0	QPSK	Front Side	0	20	26365	1882.5	1	0	0.06	0.309	14.24	16.00	1.500	0.464	/
LTE B25	ANT0	QPSK	Back Side	0	20	26365	1882.5	1	0	-0.08	0.431	14.24	16.00	1.500	0.647	/
LTE B25	ANT0	QPSK	Left Edge	0	20	26365	1882.5	1	0	0.19	0.014	14.24	16.00	1.500	0.021	/
LTE B25	ANT0	QPSK	Right Edge	0	20	26365	1882.5	1	0	-0.02	0.013	14.24	16.00	1.500	0.020	/
LTE B25	ANT0	QPSK	Top Edge	0	20	26365	1882.5	1	0	0.07	0.017	14.24	16.00	1.500	0.026	/
LTE B25	ANT0	QPSK	Bottom Edge	0	20	26365	1882.5	1	0	0.15	0.344	14.24	16.00	1.500	0.516	/
LTE B25	ANT0	QPSK	Back Side	0	20	26140	1860	1	0	0.13	0.440	14.24	16.00	1.500	0.660	8#
LTE B25	ANT0	QPSK	Back Side	0	20	26590	1905	1	99	-0.11	0.416	14.18	16.00	1.521	0.633	/
LTE B25	ANT0	QPSK	Front Side	0	20	26365	1882.5	50	0	-0.16	0.260	13.25	15.00	1.496	0.389	/
LTE B25	ANT0	QPSK	Back Side	0	20	26365	1882.5	50	0	0.05	0.344	13.25	15.00	1.496	0.515	/
LTE B25	ANT0	QPSK	Left Edge	0	20	26365	1882.5	50	0	-0.12	0.014	13.25	15.00	1.496	0.021	/
LTE B25	ANT0	QPSK	Right Edge	0	20	26365	1882.5	50	0	-0.08	0.015	13.25	15.00	1.496	0.022	/
LTE B25	ANT0	QPSK	Top Edge	0	20	26365	1882.5	50	0	0.01	0.014	13.25	15.00	1.496	0.021	/
LTE B25	ANT0	QPSK	Bottom Edge	0	20	26365	1882.5	50	0	0.07	0.259	13.25	15.00	1.496	0.387	/
LTE B25	ANT0	QPSK	Back Side	0	20	26140	1860	50	25	-0.06	0.356	13.24	15.00	1.500	0.534	/
LTE B25	ANT0	QPSK	Back Side	0	20	26590	1905	50	50	-0.01	0.334	13.19	15.00	1.517	0.507	/
LTE B25	ANT0	QPSK	Back Side	0	20	26140	1860	100	0	0.09	0.336	13.17	15.00	1.524	0.512	/
LTE B26	ANT0	QPSK	Front Side	0	15	26865	831.5	1	0	-0.17	0.442	18.67	20.50	1.524	0.674	/
LTE B26	ANT0	QPSK	Back Side	0	15	26865	831.5	1	0	0.03	0.359	18.67	20.50	1.524	0.547	/
LTE B26	ANT0	QPSK	Left Edge	0	15	26865	831.5	1	0	0.07	0.018	18.67	20.50	1.524	0.027	/
LTE B26	ANT0	QPSK	Right Edge	0	15	26865	831.5	1	0	0.02	0.179	18.67	20.50	1.524	0.273	/

LTE B26	ANT0	QPSK	Top Edge	0	15	26865	831.5	1	0	0.14	0.015	18.67	20.50	1.524	0.023	/
LTE B26	ANT0	QPSK	Bottom Edge	0	15	26865	831.5	1	0	-0.18	0.170	18.67	20.50	1.524	0.259	/
LTE B26	ANT0	QPSK	Front Side	0	15	26765	821.5	1	74	-0.02	0.453	18.63	20.50	1.538	0.697	9#
LTE B26	ANT0	QPSK	Front Side	0	15	26965	841.5	1	0	0.08	0.433	18.62	20.50	1.542	0.668	/
LTE B26	ANT0	QPSK	Front Side	0	15	26865	831.5	37	0	-0.12	0.359	17.72	19.50	1.507	0.541	/
LTE B26	ANT0	QPSK	Back Side	0	15	26865	831.5	37	0	-0.05	0.294	17.72	19.50	1.507	0.443	/
LTE B26	ANT0	QPSK	Left Edge	0	15	26865	831.5	37	0	-0.14	0.015	17.72	19.50	1.507	0.023	/
LTE B26	ANT0	QPSK	Right Edge	0	15	26865	831.5	37	0	-0.01	0.161	17.72	19.50	1.507	0.243	/
LTE B26	ANT0	QPSK	Top Edge	0	15	26865	831.5	37	0	-0.13	0.017	17.72	19.50	1.507	0.026	/
LTE B26	ANT0	QPSK	Bottom Edge	0	15	26865	831.5	37	0	-0.09	0.130	17.72	19.50	1.507	0.196	/
LTE B26	ANT0	QPSK	Front Side	0	15	26765	821.5	37	38	-0.07	0.374	17.65	19.50	1.531	0.573	/
LTE B26	ANT0	QPSK	Front Side	0	15	26965	841.5	37	38	0.05	0.369	17.56	19.50	1.563	0.577	/
LTE B26	ANT0	QPSK	Front Side	0	15	26865	831.5	75	0	0.17	0.346	17.66	19.50	1.528	0.529	/
LTE B30	ANT0	QPSK	Front Side	0	10	27710	2310	1	49	0.12	0.458	14.49	16.00	1.416	0.649	10#
LTE B30	ANT0	QPSK	Back Side	0	10	27710	2310	1	49	-0.19	0.361	14.49	16.00	1.416	0.511	/
LTE B30	ANT0	QPSK	Left Edge	0	10	27710	2310	1	49	-0.18	0.013	14.49	16.00	1.416	0.018	/
LTE B30	ANT0	QPSK	Right Edge	0	10	27710	2310	1	49	-0.10	0.015	14.49	16.00	1.416	0.021	/
LTE B30	ANT0	QPSK	Top Edge	0	10	27710	2310	1	49	0.12	0.017	14.49	16.00	1.416	0.024	/
LTE B30	ANT0	QPSK	Bottom Edge	0	10	27710	2310	1	49	-0.06	0.169	14.49	16.00	1.416	0.239	/
LTE B30	ANT0	QPSK	Front Side	0	10	27710	2310	25	12	0.19	0.367	13.56	15.00	1.393	0.511	/
LTE B30	ANT0	QPSK	Back Side	0	10	27710	2310	25	12	-0.17	0.283	13.56	15.00	1.393	0.394	/
LTE B30	ANT0	QPSK	Left Edge	0	10	27710	2310	25	12	-0.15	0.013	13.56	15.00	1.393	0.018	/

LTE B30	ANT0	QPSK	Right Edge	0	10	27710	2310	25	12	0.19	0.015	13.56	15.00	1.393	0.021	/
LTE B30	ANT0	QPSK	Top Edge	0	10	27710	2310	25	12	0.16	0.133	13.56	15.00	1.393	0.185	/
LTE B30	ANT0	QPSK	Bottom Edge	0	10	27710	2310	25	12	-0.18	0.142	13.56	15.00	1.393	0.198	/
LTE B30	ANT0	QPSK	Front Side	0	10	27710	2310	50	0	-0.16	0.254	13.54	15.00	1.400	0.356	/
LTE B66	ANT0	QPSK	Front Side	0	20	132322	1745	1	49	-0.01	0.197	13.35	15.00	1.462	0.288	/
LTE B66	ANT0	QPSK	Back Side	0	20	132322	1745	1	49	-0.03	0.316	13.35	15.00	1.462	0.462	/
LTE B66	ANT0	QPSK	Left Edge	0	20	132322	1745	1	49	-0.12	0.011	13.35	15.00	1.462	0.016	/
LTE B66	ANT0	QPSK	Right Edge	0	20	132322	1745	1	49	-0.13	0.013	13.35	15.00	1.462	0.019	/
LTE B66	ANT0	QPSK	Top Edge	0	20	132322	1745	1	49	-0.03	0.017	13.35	15.00	1.462	0.025	/
LTE B66	ANT0	QPSK	Bottom Edge	0	20	132322	1745	1	49	-0.18	0.269	13.35	15.00	1.462	0.393	/
LTE B66	ANT0	QPSK	Back Side	0	20	132072	1720	1	99	0.10	0.294	13.17	15.00	1.524	0.448	/
LTE B66	ANT0	QPSK	Back Side	0	20	132572	1770	1	49	0.10	0.321	13.31	15.00	1.476	0.474	11#
LTE B66	ANT0	QPSK	Front Side	0	20	132322	1745	50	0	-0.04	0.164	12.19	14.00	1.517	0.249	/
LTE B66	ANT0	QPSK	Back Side	0	20	132322	1745	50	0	-0.09	0.256	12.19	14.00	1.517	0.388	/
LTE B66	ANT0	QPSK	Left Edge	0	20	132322	1745	50	0	0.03	0.015	12.19	14.00	1.517	0.023	/
LTE B66	ANT0	QPSK	Right Edge	0	20	132322	1745	50	0	-0.02	0.014	12.19	14.00	1.517	0.021	/
LTE B66	ANT0	QPSK	Top Edge	0	20	132322	1745	50	0	0.06	0.014	12.19	14.00	1.517	0.021	/
LTE B66	ANT0	QPSK	Bottom Edge	0	20	132322	1745	50	0	0.11	0.230	12.19	14.00	1.517	0.349	/
LTE B66	ANT0	QPSK	Back Side	0	20	132072	1720	50	50	0.15	0.236	12.18	14.00	1.521	0.359	/
LTE B66	ANT0	QPSK	Back Side	0	20	132572	1770	50	0	-0.06	0.255	12.06	14.00	1.563	0.399	/
LTE B66	ANT0	QPSK	Back Side	0	20	132572	1770	100	0	0.00	0.256	12.41	14.00	1.442	0.369	/
LTE B71	ANT0	QPSK	Front Side	0	20	133322	683	1	99	-0.02	0.127	16.87	18.00	1.297	0.165	/

LTE B71	ANT0	QPSK	Back Side	0	20	133322	683	1	99	-0.15	0.206	16.87	18.00	1.297	0.267	/
LTE B71	ANT0	QPSK	Left Edge	0	20	133322	683	1	99	-0.12	0.026	16.87	18.00	1.297	0.034	/
LTE B71	ANT0	QPSK	Right Edge	0	20	133322	683	1	99	0.11	0.014	16.87	18.00	1.297	0.018	/
LTE B71	ANT0	QPSK	Top Edge	0	20	133322	683	1	99	0.07	0.015	16.87	18.00	1.297	0.019	/
LTE B71	ANT0	QPSK	Bottom Edge	0	20	133322	683	1	99	0.00	0.045	16.87	18.00	1.297	0.058	/
LTE B71	ANT0	QPSK	Back Side	0	20	133222	673	1	99	0.05	0.211	16.85	18.00	1.303	0.275	12#
LTE B71	ANT0	QPSK	Back Side	0	20	133372	688	1	99	0.00	0.176	16.80	18.00	1.318	0.232	/
LTE B71	ANT0	QPSK	Front Side	0	20	133322	683	50	50	0.17	0.116	15.77	17.00	1.327	0.154	/
LTE B71	ANT0	QPSK	Back Side	0	20	133322	683	50	50	-0.12	0.142	15.77	17.00	1.327	0.188	/
LTE B71	ANT0	QPSK	Left Edge	0	20	133322	683	50	50	0.04	0.011	15.77	17.00	1.327	0.015	/
LTE B71	ANT0	QPSK	Right Edge	0	20	133322	683	50	50	0.10	0.015	15.77	17.00	1.327	0.020	/
LTE B71	ANT0	QPSK	Top Edge	0	20	133322	683	50	50	-0.18	0.014	15.77	17.00	1.327	0.019	/
LTE B71	ANT0	QPSK	Bottom Edge	0	20	133322	683	50	50	0.18	0.028	15.77	17.00	1.327	0.037	/
LTE B71	ANT0	QPSK	Back Side	0	20	133222	673	50	25	0.17	0.170	15.70	17.00	1.349	0.229	/
LTE B71	ANT0	QPSK	Back Side	0	20	133372	688	50	50	0.02	0.143	15.76	17.00	1.330	0.190	/
LTE B71	ANT0	QPSK	Back Side	0	20	133372	688	100	0	0.05	0.145	15.65	17.00	1.365	0.198	/
LTE B41	ANT0	QPSK	Front Side	0	20	40620	2593	1	49	0.18	0.409	17.95	18.00	1.012	0.414	/
LTE B41	ANT0	QPSK	Back Side	0	20	40620	2593	1	49	0.03	0.361	17.95	18.00	1.012	0.365	/
LTE B41	ANT0	QPSK	Left Edge	0	20	40620	2593	1	49	-0.12	0.013	17.95	18.00	1.012	0.013	/
LTE B41	ANT0	QPSK	Right Edge	0	20	40620	2593	1	49	-0.02	0.059	17.95	18.00	1.012	0.060	/
LTE B41	ANT0	QPSK	Top Edge	0	20	40620	2593	1	49	-0.18	0.011	17.95	18.00	1.012	0.011	/
LTE B41	ANT0	QPSK	Bottom Edge	0	20	40620	2593	1	49	0.13	0.304	17.95	18.00	1.012	0.308	/

LTE B41	ANT0	QPSK	Front Side	0	20	39750	2506	1	99	-0.07	0.369	17.85	18.00	1.035	0.382	/
LTE B41	ANT0	QPSK	Front Side	0	20	40185	2549.5	1	99	0.03	0.612	17.76	18.00	1.057	0.647	/
LTE B41	ANT0	QPSK	Front Side	0	20	41055	2636.5	1	0	0.05	0.605	17.95	18.00	1.012	0.612	/
LTE B41	ANT0	QPSK	Front Side	0	20	41490	2680	1	99	-0.18	0.771	17.89	18.00	1.026	0.791	13#
LTE B41	ANT0	QPSK	Front Side	0	20	40620	2593	50	0	0.01	0.308	16.97	17.00	1.007	0.310	/
LTE B41	ANT0	QPSK	Back Side	0	20	40620	2593	50	0	0.06	0.291	16.97	17.00	1.007	0.293	/
LTE B41	ANT0	QPSK	Left Edge	0	20	40620	2593	50	0	0.16	0.015	16.97	17.00	1.007	0.015	/
LTE B41	ANT0	QPSK	Right Edge	0	20	40620	2593	50	0	-0.17	0.061	16.97	17.00	1.007	0.061	/
LTE B41	ANT0	QPSK	Top Edge	0	20	40620	2593	50	0	-0.14	0.008	16.97	17.00	1.007	0.008	/
LTE B41	ANT0	QPSK	Bottom Edge	0	20	40620	2593	50	0	-0.03	0.262	16.97	17.00	1.007	0.264	/
LTE B41	ANT0	QPSK	Front Side	0	20	39750	2506	50	0	0.19	0.291	16.94	17.00	1.014	0.295	/
LTE B41	ANT0	QPSK	Front Side	0	20	40185	2549.5	50	0	0.02	0.530	16.89	17.00	1.026	0.544	/
LTE B41	ANT0	QPSK	Front Side	0	20	41055	2636.5	50	50	-0.04	0.515	16.86	17.00	1.033	0.532	/
LTE B41	ANT0	QPSK	Front Side	0	20	41490	2680	50	50	0.17	0.644	16.74	17.00	1.062	0.684	/
LTE B41	ANT0	QPSK	Front Side	0	20	40620	2593	100	0	-0.06	0.659	16.95	17.00	1.012	0.667	/
LTE B41	ANT0	QPSK	Front Side	0	20	39750	2506	100	0	0.19	0.613	16.74	17.00	1.062	0.651	/
LTE B41	ANT0	QPSK	Front Side	0	20	40185	2549.5	100	0	0.02	0.632	16.81	17.00	1.045	0.660	/
LTE B41	ANT0	QPSK	Front Side	0	20	41055	2636.5	100	0	-0.04	0.617	16.79	17.00	1.050	0.648	/
LTE B41	ANT0	QPSK	Front Side	0	20	41490	2680	100	0	0.17	0.598	16.73	17.00	1.064	0.636	/
LTE B42	ANT0	QPSK	Front Side	0	20	42590	3500	1	99	0.15	0.369	13.15	14.00	1.216	0.449	/
LTE B42	ANT0	QPSK	Back Side	0	20	42590	3500	1	99	0.09	0.154	13.15	14.00	1.216	0.187	/
LTE B42	ANT0	QPSK	Left Edge	0	20	42590	3500	1	99	0.03	0.015	13.15	14.00	1.216	0.018	/

LTE B42	ANT0	QPSK	Right Edge	0	20	42590	3500	1	99	0.12	0.013	13.15	14.00	1.216	0.016	/
LTE B42	ANT0	QPSK	Top Edge	0	20	42590	3500	1	99	-0.19	0.018	13.15	14.00	1.216	0.022	/
LTE B42	ANT0	QPSK	Bottom Edge	0	20	42590	3500	1	99	-0.02	0.131	13.15	14.00	1.216	0.159	/
LTE B42	ANT0	QPSK	Front Side	0	20	41690	3410	1	0	0.14	0.431	13.09	14.00	1.233	0.531	14 #
LTE B42	ANT0	QPSK	Front Side	0	20	43490	3590	1	0	-0.07	0.364	13.04	14.00	1.247	0.454	/
LTE B42	ANT0	QPSK	Front Side	0	20	42590	3500	50	0	0.02	0.291	12.05	13.00	1.245	0.362	/
LTE B42	ANT0	QPSK	Back Side	0	20	42590	3500	50	0	-0.06	0.109	12.05	13.00	1.245	0.136	/
LTE B42	ANT0	QPSK	Left Edge	0	20	42590	3500	50	0	0.06	0.015	12.05	13.00	1.245	0.019	/
LTE B42	ANT0	QPSK	Right Edge	0	20	42590	3500	50	0	-0.01	0.011	12.05	13.00	1.245	0.014	/
LTE B42	ANT0	QPSK	Top Edge	0	20	42590	3500	50	0	-0.03	0.018	12.05	13.00	1.245	0.022	/
LTE B42	ANT0	QPSK	Bottom Edge	0	20	42590	3500	50	0	-0.03	0.102	12.05	13.00	1.245	0.127	/
LTE B42	ANT0	QPSK	Front Side	0	20	41690	3410	50	25	-0.11	0.331	11.97	13.00	1.268	0.420	/
LTE B42	ANT0	QPSK	Front Side	0	20	43490	3590	50	0	-0.09	0.298	12.04	13.00	1.247	0.372	/
LTE B42	ANT0	QPSK	Front Side	0	20	42590	3500	100	0	-0.11	0.294	12.03	13.00	1.250	0.368	/
LTE B43	ANT0	QPSK	Front Side	0	20	44590	3700	1	0	0.19	0.338	13.11	14.00	1.227	0.415	/
LTE B43	ANT0	QPSK	Back Side	0	20	44590	3700	1	0	-0.05	0.184	13.11	14.00	1.227	0.226	/
LTE B43	ANT0	QPSK	Left Edge	0	20	44590	3700	1	0	-0.02	0.015	13.11	14.00	1.227	0.018	/
LTE B43	ANT0	QPSK	Right Edge	0	20	44590	3700	1	0	0.18	0.017	13.11	14.00	1.227	0.021	/
LTE B43	ANT0	QPSK	Top Edge	0	20	44590	3700	1	0	-0.03	0.013	13.11	14.00	1.227	0.016	/
LTE B43	ANT0	QPSK	Bottom Edge	0	20	44590	3700	1	0	0.08	0.142	13.11	14.00	1.227	0.174	/
LTE B43	ANT0	QPSK	Front Side	0	20	43690	3610	1	0	0.12	0.428	12.93	14.00	1.279	0.547	15 #
LTE B43	ANT0	QPSK	Front Side	0	20	45490	3790	1	99	0.00	0.382	13.09	14.00	1.233	0.471	/

LTE B43	ANT0	QPSK	Front Side	0	20	44590	3700	50	0	-0.14	0.259	12.04	13.00	1.247	0.323	/
LTE B43	ANT0	QPSK	Back Side	0	20	44590	3700	50	0	-0.08	0.136	12.04	13.00	1.247	0.170	/
LTE B43	ANT0	QPSK	Left Edge	0	20	44590	3700	50	0	-0.15	0.011	12.04	13.00	1.247	0.014	/
LTE B43	ANT0	QPSK	Right Edge	0	20	44590	3700	50	0	0.04	0.019	12.04	13.00	1.247	0.024	/
LTE B43	ANT0	QPSK	Top Edge	0	20	44590	3700	50	0	-0.06	0.013	12.04	13.00	1.247	0.016	/
LTE B43	ANT0	QPSK	Bottom Edge	0	20	44590	3700	50	0	-0.06	0.112	12.04	13.00	1.247	0.140	/
LTE B43	ANT0	QPSK	Front Side	0	20	43690	3610	50	25	-0.06	0.302	11.88	13.00	1.294	0.391	/
LTE B43	ANT0	QPSK	Front Side	0	20	45490	3790	50	50	-0.05	0.343	12.03	13.00	1.250	0.429	/
LTE B43	ANT0	QPSK	Front Side	0	20	44590	3700	100	0	0.12	0.351	12.08	13.00	1.236	0.434	/
LTE B48	ANT0	QPSK	Front Side	0	20	55990	3625	1	0	-0.03	0.263	11.68	13.00	1.355	0.356	/
LTE B48	ANT0	QPSK	Back Side	0	20	55990	3625	1	0	0.10	0.169	11.68	13.00	1.355	0.229	/
LTE B48	ANT0	QPSK	Left Edge	0	20	55990	3625	1	0	0.11	0.015	11.68	13.00	1.355	0.020	/
LTE B48	ANT0	QPSK	Right Edge	0	20	55990	3625	1	0	0.18	0.017	11.68	13.00	1.355	0.023	/
LTE B48	ANT0	QPSK	Top Edge	0	20	55990	3625	1	0	-0.16	0.015	11.68	13.00	1.355	0.020	/
LTE B48	ANT0	QPSK	Bottom Edge	0	20	55990	3625	1	0	0.08	0.117	11.68	13.00	1.355	0.159	/
LTE B48	ANT0	QPSK	Front Side	0	20	55340	3560	1	0	0.18	0.322	11.59	13.00	1.384	0.446	16#
LTE B48	ANT0	QPSK	Front Side	0	20	56640	3690	1	0	-0.02	0.221	11.63	13.00	1.371	0.303	/
LTE B48	ANT0	QPSK	Front Side	0	20	55990	3625	50	0	-0.02	0.210	11.82	12.00	1.042	0.219	/
LTE B48	ANT0	QPSK	Back Side	0	20	55990	3625	50	0	0.02	0.134	11.82	12.00	1.042	0.140	/
LTE B48	ANT0	QPSK	Left Edge	0	20	55990	3625	50	0	0.13	0.012	11.82	12.00	1.042	0.013	/
LTE B48	ANT0	QPSK	Right Edge	0	20	55990	3625	50	0	0.02	0.018	11.82	12.00	1.042	0.019	/
LTE B48	ANT0	QPSK	Top Edge	0	20	55990	3625	50	0	0.07	0.019	11.82	12.00	1.042	0.020	/

LTE B48	ANT0	QPSK	Bottom Edge	0	20	55990	3625	50	0	0.19	0.094	11.82	12.00	1.042	0.098	/
LTE B48	ANT0	QPSK	Front Side	0	20	55340	3560	50	0	-0.11	0.264	11.78	12.00	1.052	0.278	/
LTE B48	ANT0	QPSK	Front Side	0	20	56640	3690	50	0	0.04	0.184	11.78	12.00	1.052	0.194	/
LTE B48	ANT0	QPSK	Front Side	0	20	55990	3625	100	0	0.08	0.176	10.88	12.00	1.294	0.228	/

10.2 Bluetooth

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
Bluetooth	ANT1	DH5	Front Side	0	39	2441	0.16	0.069	3.48	5.00	1.419	77.37	1.292	0.127	/
Bluetooth	ANT1	DH5	Back Side	0	39	2441	0.11	0.124	3.48	5.00	1.419	77.37	1.292	0.227	/
Bluetooth	ANT1	DH5	Left Edge	0	39	2441	-0.19	0.015	3.48	5.00	1.419	77.37	1.292	0.028	/
Bluetooth	ANT1	DH5	Right Edge	0	39	2441	0.11	0.017	3.48	5.00	1.419	77.37	1.292	0.031	/
Bluetooth	ANT1	DH5	Top Edge	0	39	2441	0.00	0.013	3.48	5.00	1.419	77.37	1.292	0.024	/
Bluetooth	ANT1	DH5	Bottom Edge	0	39	2441	-0.10	0.059	3.48	5.00	1.419	77.37	1.292	0.108	/
Bluetooth	ANT1	DH5	Back Side	0	0	2402	0.19	0.154	3.03	5.00	1.574	77.37	1.292	0.313	17 #
Bluetooth	ANT1	DH5	Back Side	0	78	2480	-0.02	0.132	2.87	5.00	1.633	77.37	1.292	0.278	/

10.3WIFI

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	Duty cycle (%)	Duty cycle Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
2.4G WIFI	ANT1	802.11b	Front Side	0	11	2462	0.09	0.194	11.08	11.50	1.102	98.77	1.012	0.216	/
2.4G WIFI	ANT1	802.11b	Back Side	0	11	2462	-0.02	0.263	11.08	11.50	1.102	98.77	1.012	0.293	/
2.4G WIFI	ANT1	802.11b	Left Edge	0	11	2462	0.08	0.015	11.08	11.50	1.102	98.77	1.012	0.017	/
2.4G WIFI	ANT1	802.11b	Right Edge	0	11	2462	-0.07	0.013	11.08	11.50	1.102	98.77	1.012	0.014	/
2.4G WIFI	ANT1	802.11b	Top Edge	0	11	2462	-0.17	0.017	11.08	11.50	1.102	98.77	1.012	0.019	/
2.4G WIFI	ANT1	802.11b	Bottom Edge	0	11	2462	-0.07	0.481	11.08	11.50	1.102	98.77	1.012	0.536	/
2.4G WIFI	ANT1	802.11b	Bottom Edge	0	1	2412	0.11	0.536	10.88	11.50	1.153	98.77	1.012	0.625	18 #
2.4G WIFI	ANT1	802.11b	Bottom Edge	0	6	2437	0.04	0.459	11.05	11.50	1.109	98.77	1.012	0.515	/
2.4G WIFI	ANT2	802.11b	Front Side	0	6	2437	0.06	0.093	10.55	11.50	1.245	98.77	1.012	0.117	/
2.4G WIFI	ANT2	802.11b	Back Side	0	6	2437	-0.14	0.088	10.55	11.50	1.245	98.77	1.012	0.111	/
2.4G WIFI	ANT2	802.11b	Left Edge	0	6	2437	-0.08	0.084	10.55	11.50	1.245	98.77	1.012	0.106	/
2.4G WIFI	ANT2	802.11b	Right Edge	0	6	2437	0.17	0.013	10.55	11.50	1.245	98.77	1.012	0.016	/
2.4G WIFI	ANT2	802.11b	Top Edge	0	6	2437	-0.10	0.015	10.55	11.50	1.245	98.77	1.012	0.019	/
2.4G WIFI	ANT2	802.11b	Bottom Edge	0	6	2437	-0.05	0.019	10.55	11.50	1.245	98.77	1.012	0.024	/
2.4G WIFI	ANT2	802.11b	Front Side	0	1	2412	0.04	0.096	10.36	11.50	1.300	98.77	1.012	0.126	/
2.4G WIFI	ANT2	802.11b	Front Side	0	11	2462	0.11	0.093	10.37	11.50	1.297	98.77	1.012	0.122	/
Body															
5.3G WIFI	ANT1	802.11ac80	Front Side	0	58	5290	0.02	0.051	5.60	6.50	1.230	98.73	1.013	0.064	/
5.3G WIFI	ANT1	802.11ac80	Back Side	0	58	5290	0.09	0.239	5.60	6.50	1.230	98.73	1.013	0.298	19 #
5.3G WIFI	ANT1	802.11ac80	Left Edge	0	58	5290	-0.10	0.018	5.60	6.50	1.230	98.73	1.013	0.022	/

5.3G WIFI	ANT1	802.11ac80	Right Edge	0	58	5290	-0.04	0.015	5.60	6.50	1.230	98.73	1.013	0.019	/
5.3G WIFI	ANT1	802.11ac80	Top Edge	0	58	5290	-0.19	0.019	5.60	6.50	1.230	98.73	1.013	0.024	/
5.3G WIFI	ANT1	802.11ac80	Bottom Edge	0	58	5290	0.17	0.164	5.60	6.50	1.230	98.73	1.013	0.204	/
5.3G WIFI	ANT2	802.11ac80	Front Side	0	58	5290	0.04	0.043	5.21	6.50	1.346	98.73	1.013	0.059	/
5.3G WIFI	ANT2	802.11ac80	Back Side	0	58	5290	0.01	0.151	5.21	6.50	1.346	98.73	1.013	0.206	/
5.3G WIFI	ANT2	802.11ac80	Left Edge	0	58	5290	-0.19	0.072	5.21	6.50	1.346	98.73	1.013	0.098	/
5.3G WIFI	ANT2	802.11ac80	Right Edge	0	58	5290	-0.03	0.015	5.21	6.50	1.346	98.73	1.013	0.020	/
5.3G WIFI	ANT2	802.11ac80	Top Edge	0	58	5290	0.18	0.018	5.21	6.50	1.346	98.73	1.013	0.025	/
5.3G WIFI	ANT2	802.11ac80	Bottom Edge	0	58	5290	0.07	0.019	5.21	6.50	1.346	98.73	1.013	0.026	/
Body															
5.6G WIFI	ANT1	802.11ac80	Front Side	0	122	5610	-0.03	0.051	5.91	6.00	1.021	98.73	1.013	0.053	/
5.6G WIFI	ANT1	802.11ac80	Back Side	0	122	5610	0.03	0.206	5.91	6.00	1.021	98.73	1.013	0.213	/
5.6G WIFI	ANT1	802.11ac80	Left Edge	0	122	5610	-0.07	0.015	5.91	6.00	1.021	98.73	1.013	0.016	/
5.6G WIFI	ANT1	802.11ac80	Right Edge	0	122	5610	0.12	0.012	5.91	6.00	1.021	98.73	1.013	0.012	/
5.6G WIFI	ANT1	802.11ac80	Top Edge	0	122	5610	0.15	0.013	5.91	6.00	1.021	98.73	1.013	0.013	/
5.6G WIFI	ANT1	802.11ac80	Bottom Edge	0	122	5610	0.09	0.164	5.91	6.00	1.021	98.73	1.013	0.170	/
5.6G WIFI	ANT1	802.11ac80	Back Side	0	106	5530	0.01	0.213	5.82	6.00	1.042	98.73	1.013	0.225	20 #
5.6G WIFI	ANT2	802.11ac80	Front Side	0	106	5530	-0.01	0.032	5.12	6.00	1.225	98.73	1.013	0.040	/
5.6G WIFI	ANT2	802.11ac80	Back Side	0	106	5530	0.11	0.099	5.12	6.00	1.225	98.73	1.013	0.123	/
5.6G WIFI	ANT2	802.11ac80	Left Edge	0	106	5530	0.07	0.084	5.12	6.00	1.225	98.73	1.013	0.104	/
5.6G WIFI	ANT2	802.11ac80	Right Edge	0	106	5530	-0.05	0.041	5.12	6.00	1.225	98.73	1.013	0.051	/
5.6G WIFI	ANT2	802.11ac80	Top Edge	0	106	5530	0.07	0.015	5.12	6.00	1.225	98.73	1.013	0.019	/
5.6G WIFI	ANT2	802.11ac80	Bottom Edge	0	106	5530	-0.11	0.019	5.12	6.00	1.225	98.73	1.013	0.024	/

5.6G WIFI	ANT2	802.11ac80	Back Side	0	122	5610	0.15	0.077	4.75	6.00	1.334	98.73	1.013	0.104	/
Body															
5.8G WIFI	ANT1	802.11ac80	Front Side	0	155	5775	0.14	0.051	5.79	6.00	1.050	98.73	1.013	0.054	/
5.8G WIFI	ANT1	802.11ac80	Back Side	0	155	5775	0.19	0.197	5.79	6.00	1.050	98.73	1.013	0.210	21#
5.8G WIFI	ANT1	802.11ac80	Left Edge	0	155	5775	0.19	0.019	5.79	6.00	1.050	98.73	1.013	0.020	/
5.8G WIFI	ANT1	802.11ac80	Right Edge	0	155	5775	0.13	0.018	5.79	6.00	1.050	98.73	1.013	0.019	/
5.8G WIFI	ANT1	802.11ac80	Top Edge	0	155	5775	-0.15	0.015	5.79	6.00	1.050	98.73	1.013	0.016	/
5.8G WIFI	ANT1	802.11ac80	Bottom Edge	0	155	5775	-0.12	0.108	5.79	6.00	1.050	98.73	1.013	0.115	/
5.8G WIFI	ANT2	802.11ac80	Front Side	0	155	5775	-0.13	0.046	4.07	6.00	1.560	98.73	1.013	0.073	/
5.8G WIFI	ANT2	802.11ac80	Back Side	0	155	5775	0.00	0.099	4.07	6.00	1.560	98.73	1.013	0.156	/
5.8G WIFI	ANT2	802.11ac80	Left Edge	0	155	5775	-0.14	0.033	4.07	6.00	1.560	98.73	1.013	0.052	/
5.8G WIFI	ANT2	802.11ac80	Right Edge	0	155	5775	-0.01	0.015	4.07	6.00	1.560	98.73	1.013	0.024	/
5.8G WIFI	ANT2	802.11ac80	Top Edge	0	155	5775	0.11	0.011	4.07	6.00	1.560	98.73	1.013	0.017	/
5.8G WIFI	ANT2	802.11ac80	Bottom Edge	0	155	5775	0.05	0.017	4.07	6.00	1.560	98.73	1.013	0.027	/

10.4 NFC SAR

According to the ANSI C63.10 clause 11.12.2.2:

The value of maximum peak output power is according to the method described in ANSI C63.10 clause 11.12.2.2 General procedure for conducted measurements in restricted bands:

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies $\leq$ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies $>$ 1000 MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship: $E = \text{EIRP} - 20\log D + 104.8$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Mode	f (MHz)	Max. E-Field strength (dB μ V/m)	D (m)	Ground reflection factor (dB)	ERP (dBm)
NFC (13.56MHz)	13.56	52.25	3	6	-37.00

Note:

1. Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies $\leq$ 30 MHz).

2. ERP = $52.25 + 20 \cdot \log(3) - 104.8 + 6 = -37.00$ (dBm)

According to the FCC KDB 447498 D04

Estimated SAR: SAR test = $1.6 \cdot P_{ant} / P_{th}$ [W/kg]

Estimated SAR	1.6 · Pant / Pth [W/kg]		
Pmeas.(dBm)	-37.00	Pmeas.(mW)	0.00019
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	<0.001		

Highest Total Exposure Ratio of Simultaneous Transmission

NFC multi-transmit requires the use of the TER formula:

$$TER = \sum_{k=1}^{N_s} \left(\frac{SAR_k}{SAR_{lim}} \right) + \sum_{k=1}^{N_f} \left(\frac{MPE_{field, k}}{MPE_{field, lim}} \right)^2 + \sum_{k=1}^{N_{PD}} \left(\frac{MPE_{PD, k}}{MPE_{PD, lim}} \right)$$

The maximum SAR value for Simultaneous Transmission is 0.001 [W/kg], SAR test exemption may be considered by applying a factor of 2.5 to the SAR-based exemption thresholds. Therefore, the worst TER $= (1.55 + 0.001) / 1.6 = 0.9694 < 1$, the NFC SAR transmit simultaneously Pass.

11 SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10 , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 , or when the original or repeated measurement is ≥ 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 , and the original, first or second repeated measurement is ≥ 1.5 W/kg, perform a third repeated measurement.

Note: For 1g SAR, the highest measured 1g SAR is $0.771 < 0.80$ W/kg, repeated measurement is not required.

12 SIMULTANEOUS TRANSMISSION

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR 1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR 1g 1.6 W/kg), SAR test exclusion is determined by the SAR to Peak Location Ratio (SPLSR).

According KDB 447498 D04, simultaneous transmission:

- a) $SPLSR = (SAR1 + SAR2)^{1.5} / R_i$ (min. separation distance, mm), and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
SAR1 is the highest reported or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition.
SAR2 is the highest reported or estimated SAR for the second of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition as the first.
- b) If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
- c) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

12.1 Simultaneous Transmission Mode Considerations

NO.	Mode	Body
1	WWAN+WIFI 2.4G(ANT1)+WIFI 2.4G(ANT2)+NFC	Yes
2	WWAN+WIFI 5G(ANT1)+WIFI 5G(ANT2)+Bluetooth+NFC	Yes
Note: 1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously. 2. The maximum SAR summation is calculated based on the same configuration and test position. 3. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.		

12.2 Sum SAR of Simultaneous Transmission

Please refer the document "Ti-CC26070052-AST.pdf".

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2024/08/19	2027/08/18
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
3500MHz Validation Dipole	Speag	D3500V2	SN: 1129	2024/07/19	2027/07/18
3700MHz Validation Dipole	Speag	D3700V2	SN: 1101	2024/07/18	2027/07/17
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
Data Acquisition Electronics	Speag	DAE4	SN: 1710	2026/01/12	2027/01/11
E-Field Probe	Speag	EX3DV4	SN: 7607	2025/08/06	2026/08/05
Signal Generator	Keysight	N5173B	MY62150163	2026/06/22	2027/06/21
Power Meter	R&S	NRVD-B2	835843/014	2026/06/23	2027/06/22
Power Sensor	R&S	NRV-Z4	100381	2026/06/23	2027/06/22
Power Sensor	R&S	NRV-Z2	100211	2026/06/23	2027/06/22
Wireless Communication Test Set	Anritsu	MT8820C	6201524635	2026/07/14	2027/07/13
Network Analyzer	Agilent	E5071C	MY46103472	2026/07/14	2027/07/13
Thermometer	Elitech	RC-4HC	EF7239002652	2025/09/04	2026/09/03
Thermometer	Elitech	RC-4	EF5238001629	2025/09/16	2026/09/15
Power Amplifier	Mini-Circuits	ZVA-183W-S+	932502132	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1858	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

Note: For dipole antennas, BALUN has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.
4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.

ANNEX A SIMULATING LIQUID VERIFICATION RESULT

The dielectric parameters of the liquids were verified prior to the SAR evaluation using a DAK3.5 Dielectric Probe Kit.

Head Liquid

Date	Liquid Type	Fre. (MHz)	Temp. (°C)	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ϵ)	Target Conductivity (σ) (S/m)	Target Permittivity (ϵ)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2026.07.24	Head	750	21.7	0.899	43.160	0.89	41.94	1.01	2.91
2026.07.24	Head	750	21.7	0.888	43.158	0.89	41.94	-0.22	2.90
2026.07.25	Head	835	21.5	0.893	42.481	0.90	41.50	-0.78	2.36
2026.07.25	Head	1750	21.5	1.378	40.822	1.37	40.08	0.58	1.85
2026.07.26	Head	1950	21.7	1.414	40.841	1.40	40.00	1.00	2.10
2026.07.27	Head	2450	21.4	1.817	39.518	1.80	39.20	0.94	0.81
2026.07.28	Head	2600	21.6	2.004	38.981	1.96	39.01	2.24	-0.07
2026.07.28	Head	3500	21.6	2.913	37.664	2.91	37.93	0.10	-0.70
2026.07.29	Head	3700	21.7	3.216	37.105	3.12	37.70	3.08	-1.58
2026.07.29	Head	5250	21.7	4.673	36.859	4.71	35.93	-0.79	2.59
2026.07.30	Head	5600	21.7	5.044	35.580	5.07	35.53	-0.51	0.14
2026.07.30	Head	5750	21.7	5.184	35.220	5.22	35.36	-0.69	-0.40
Note: The tolerance limit of Conductivity and Permittivity is $\pm 5\%$.									

ANNEX B SYSTEM CHECK RESULT

Comparing to the original SAR value provided by SPEAG, the validation data should be within its specification of 10 % (for 1 g).

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.07.24	Head	750	100	0.775	7.75	8.46	-8.39
2026.07.24	Head	750	100	0.779	7.79	8.46	-7.92
2026.07.25	Head	835	100	0.995	9.95	9.74	2.16
2026.07.25	Head	1750	100	3.960	39.60	37.00	7.03
2026.07.26	Head	1950	100	4.380	43.80	41.70	5.04
2026.07.27	Head	2450	100	5.560	55.60	52.60	5.70
2026.07.28	Head	2600	100	5.380	53.80	55.90	-3.76
2026.07.28	Head	3500	100	6.810	68.10	68.00	0.15
2026.07.29	Head	3700	100	6.720	67.20	66.70	0.75
2026.07.29	Head	5250	100	7.850	78.50	77.70	1.03
2026.07.30	Head	5600	100	8.120	81.20	81.30	-0.12
2026.07.30	Head	5750	100	7.510	75.10	77.60	-3.22

Note: The tolerance limit of System validation $\pm 10\%$.

Please refer the document "Ti-CC26070052-ASC.pdf".

ANNEX C TEST DATA

Please refer the document “Ti-CC26070052-ATD.pdf”.

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26070052-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “Ti-CC26070052-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “Ti-CC26070052-AC.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “Ti-CC26070052-AT.pdf”.

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