

TEST REPORT

Applicant: PAX Technology Limited
Address: FLAT/RM 2504, 25/F, SUN HUNG KAI CENTRE, 30 HARBOUR ROAD, WANCHAI, HK, China
Equipment Type: Smart Handheld Computer
Model Name: A6650
Brand Name: PAX
FCC ID: V5PA66505G
Test Standard: FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR: Body (1 g@5mm): 0.72 W/kg
Limbs (10 g@0mm): 1.24 W/kg
Sample Arrival Date: Aug. 11, 2026
Test Date: Aug. 24, 2026 - Sep. 13, 2026
Date of Issue: Sep. 22, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Guo Guangwei**Checked by:** Xu Rui**Approved by:** Liao Jianming
(Technical Director)

Revision History

Version	Issue Date	Revisions Content
<u>Rev. 01</u>	<u>Sep. 22, 2026</u>	<u>Initial Issue</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	PAX Technology Limited
Address	FLAT/RM 2504, 25/F, SUN HUNG KAI CENTRE, 30 HARBOUR ROAD, WANCHAI, HK, China

2.2 Manufacturer Information

Manufacturer	PAX Computer Technology (Shenzhen) Co., Ltd.
Address	Room 701, PAX Technology Building, Shanxia Community, Pinghu Sub-district, Longgang District, Shenzhen, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Smart Handheld Computer
Model Name Under Test	A6650
Series Model Name	N/A
Description of Model Name Differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	179.2*82.4*18.55
Weight (Approx.)	N/A
EUT ID	CC26080061-001: S07, S11
IMEI Number	CC26080061-001-S07_IMEI1:869046064490652; IMEI2:869046064490660
	CC26080061-001-S11_IMEI1:869046064491916; IMEI2:869046064491924

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery 1	
	Model No.	IDS152GA
	Serial No.	N/A
	Capacity	5400mAh
	Rated Voltage	3.7V
	Limit Charge Voltage	4.4V
Ancillary Equipment 2	Battery 2	
	Model No.	JTH-J132
	Serial No.	N/A
	Capacity	85mAh
	Rated Voltage	3.7V
	Limit Charge Voltage	4.25V

2.5 Technical Information

Network and Wireless connectivity	3G Network WCDMA/HSDPA/HSUPA Band 2/4/5
	4G Network LTE FDD Band 2/4/5/7/12/13/14/17/25/26/66/71 LTE TDD Band 38/41
	5G Network
	SA: NR n2/n5/n7/n12/n13/n14/n25/n26/n38/n41/n66/n71/n77/n78 NSA(EN-DC): DC_5A_n77A, DC_12A_n77A, DC_41A_n77A, DC_2A_n78A, DC_5A_n78A, DC_41A_n78A
	Bluetooth (BR+EDR+BLE)
	WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160), 802.11ax (HE20/40/80)
	NFC

The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	WCDMA; LTE; NR; 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 38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	LTE Band 41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 1710 ~ 1780 MHz
	LTE Band 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	n2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	n5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	n7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	n12	TX: 699 ~ 716 MHz	RX: 729 ~ 746 MHz
	n13	TX: 777-787 MHz	RX: 746~756 MHz
	n14	TX: 788 ~ 798 MHz	RX: 758 ~ 768 MHz
	n25	TX: 1850 ~ 1915 MHz	RX: 1930 ~ 1995 MHz
	n26	TX: 814 ~ 849 MHz	RX: 859 ~ 894 MHz
	n38	TX: 2570 ~ 2620 MHz	RX: 2570 ~ 2620 MHz
	n41	TX: 2496 ~ 2690 MHz	RX: 2496 ~ 2690 MHz

	n66	TX: 1710 ~ 1780 MHz	RX: 1710 ~ 1780 MHz
	n71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	n77	TX: 3300 ~ 4200 MHz	RX: 3300 ~ 4200 MHz
	n78	TX: 3300 ~ 3800 MHz	RX: 3300 ~ 3800 MHz
	802.11b/g/n(HT20/40)/a c(VHT20/40)/ax(HE20/40)	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/ VHT160)	5150 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	802.11ax (HE20/HE40/HE80/ HE160)	5150 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
5725 ~ 5850 MHz			
802.11 ax(HE20/HE40/HE80)	5925 MHz ~ 6425 MHz		
	6425 MHz ~ 6525 MHz		
	6525 MHz ~ 6875 MHz		
	6875 MHz ~ 7125 MHz		
Bluetooth	2400 ~ 2483.5 MHz		
Antenna Type	WWAN	PIFA	
	WLAN	PIFA	
	Bluetooth	PIFA	
Exposure Category	General Population/Uncontrolled exposure		
EUT Type	Portable Device		
Note:			
1. The device utilizes independent power reduction mechanisms for SAR compliance for the 3/4/5G transmitter for held-to-ear exposure conditions.			
2. The device utilizes independent power reduction mechanisms for SAR compliance for the 3/4/5G transmitter for near to body exposure conditions.			

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	IEC/IEEE 62209- 1528:2020	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	KDB 248227 D01 v02r02	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters
8	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
9	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices

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	Limbs	Body	Limbs
		(5mm)	(0mm)	(5mm)	(0mm)
		1g SAR	10g SAR	1g SAR	10g SAR
PCB	WCDMA Band 2	0.28	0.29	0.72	1.24
	WCDMA Band 4	0.44	0.40		
	WCDMA Band 5	0.22	0.13		
	LTE Band 2	0.26	0.34		
	LTE Band 4	0.43	0.40		
	LTE Band 5	0.22	0.18		
	LTE Band 7	0.64	1.21		
	LTE Band 12	0.18	0.13		
	LTE Band 13	0.18	0.14		
	LTE Band 14	0.17	0.13		
	LTE Band 17	0.17	0.18		
	LTE Band 25	0.27	0.36		
	LTE Band 26	0.24	0.24		
	LTE Band 66	0.41	0.40		
	LTE Band 71	0.02	0.03		
	LTE Band 38	0.66	1.24		
	LTE Band 41	0.72	0.75		
	NR Band 2	0.42	0.32		
	NR Band 5	0.33	0.23		
	NR Band 7	0.57	0.45		
	NR Band 12	0.35	0.25		
	NR Band 13	0.35	0.23		
	NR Band 14	0.35	0.23		
	NR Band 25	0.64	0.40		
	NR Band 26	0.46	0.31		
	NR Band 66	0.51	0.35		
	NR Band 71	0.08	0.04		
	NR Band 38	0.71	0.47		
	NR Band 41	0.26	0.17		
	NR Band 77	0.25	0.15		
	NR Band 78	0.36	0.20		
DTS	2.4G WIFI	0.20	0.22		
NII	5.3G WIFI	0.49	0.40		
	5.6G WIFI	0.50	0.56		

DSS	5.8G WIFI	0.45	0.75		
	6G WIFI	0.24	0.11		
	Bluetooth	0.15	0.14		
Limit (W/kg)		1.6	4	1.6	4
Verdict		PASS			

3.3.2 Highest Simultaneous Transmission SAR

Equipment Class	Maximum Simultaneous Transmission SAR	
	(W/kg)	
	Body 1g (5mm)	Limbs10g (0mm)
PCB	1.57	2.35
DTS	1.57	2.35
NII	1.57	2.35
DSS	1.57	2.35
Limit (W/Kg)	1.60	4.00
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 0.72 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

The maximum 10 g SAR for the EUT in this report is 1.24 W/kg, which is lower than 3.75 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

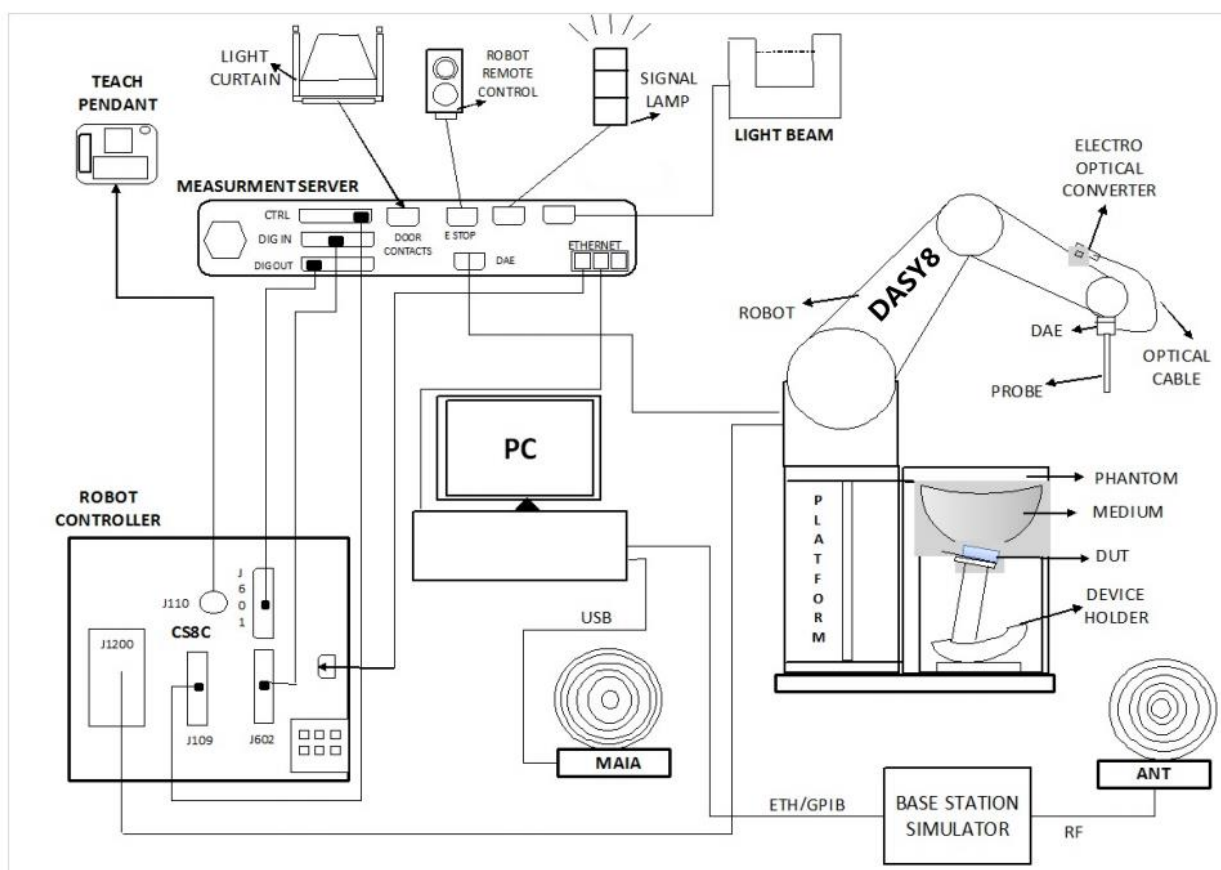
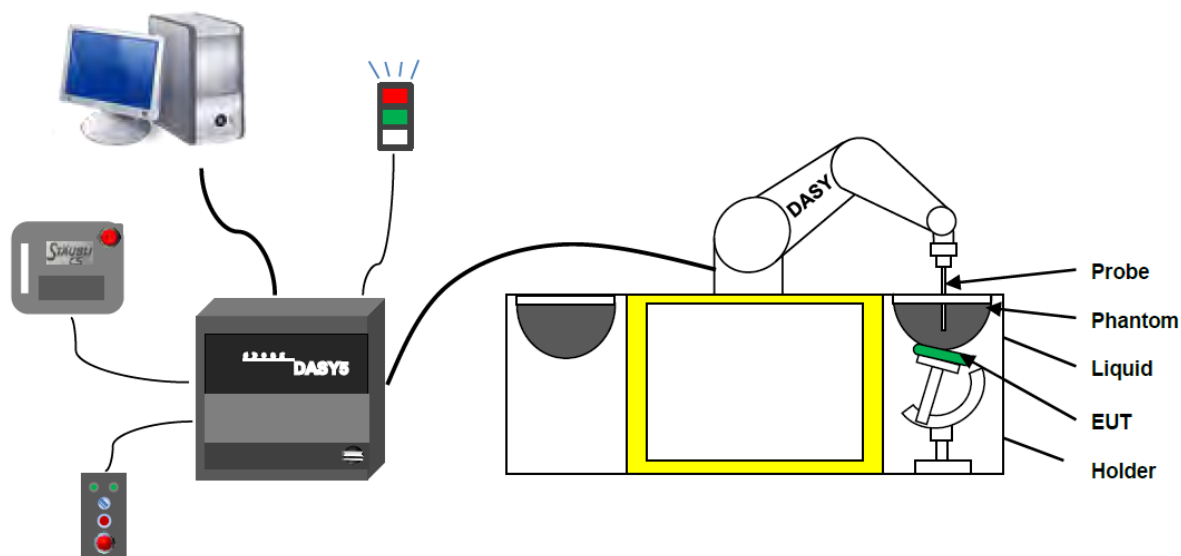
$$\text{SAR} = \frac{\sigma E^2}{\rho}$$

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 DASY 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.

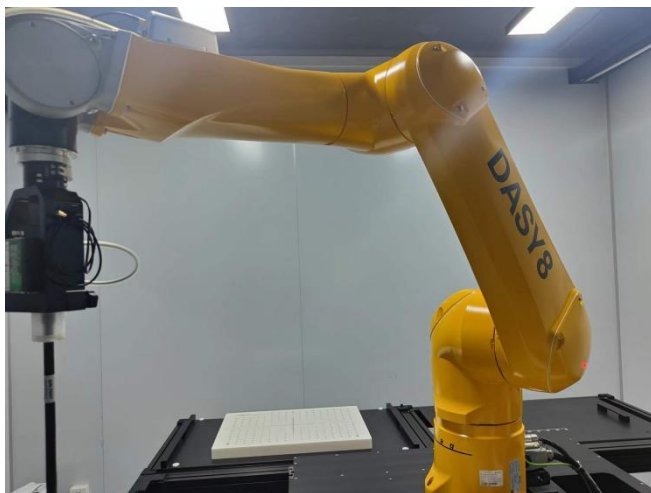
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to 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 DASY measurement server.
6. The DASY measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY 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: 200MΩ
- The Inputs: Symmetrical and Floating
- Common 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.



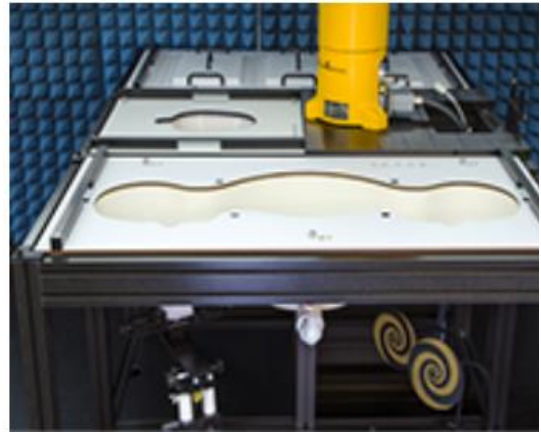
- Left hand
- Right hand
- Flat phantom



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

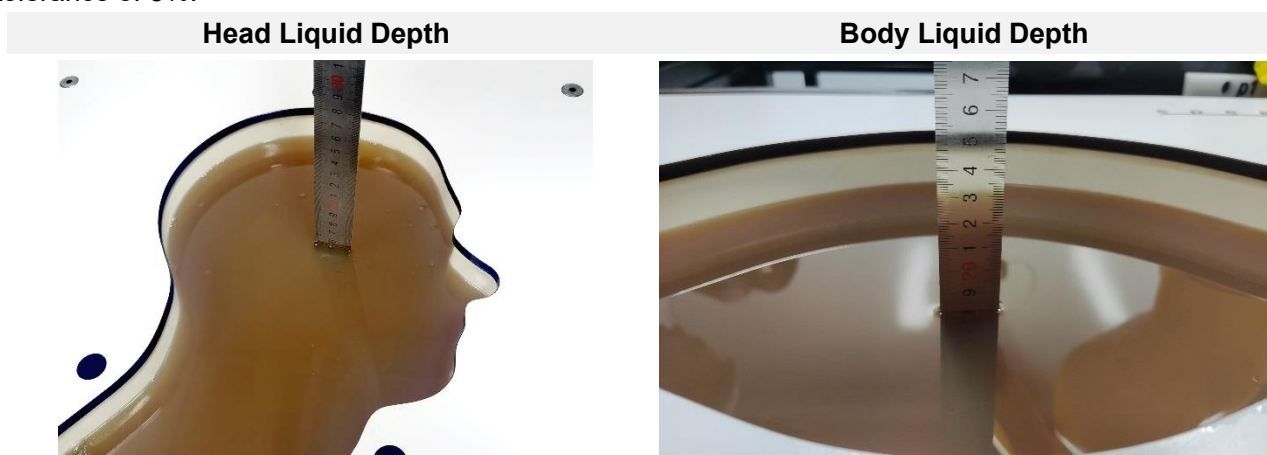
The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65° . The bottom plate contains three pair of bolts for 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

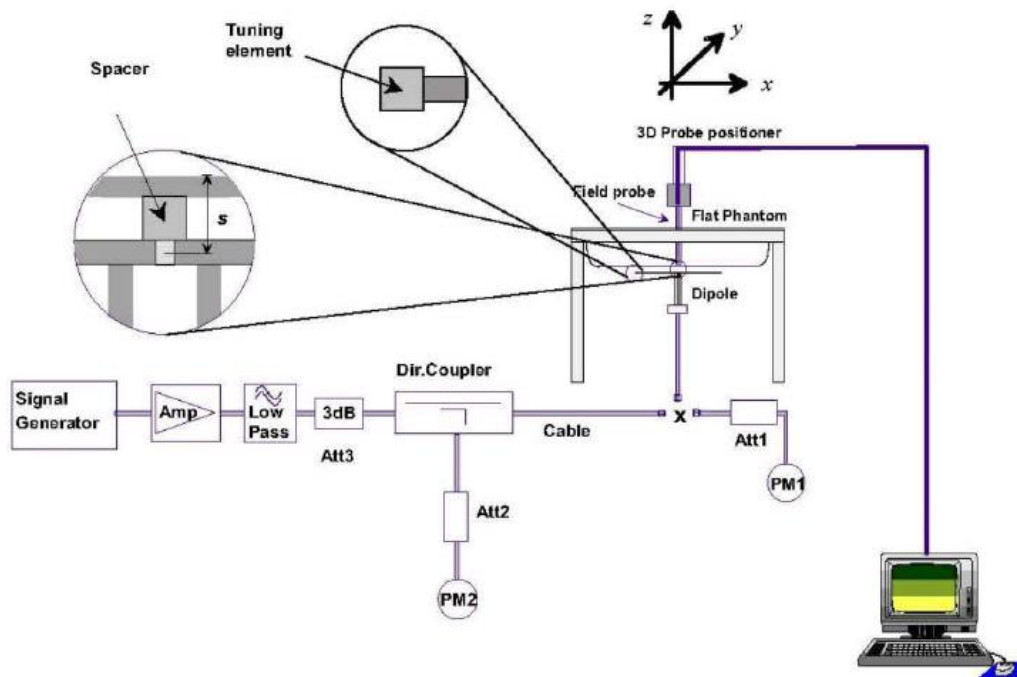
5 SYSTEM VERIFICATION

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

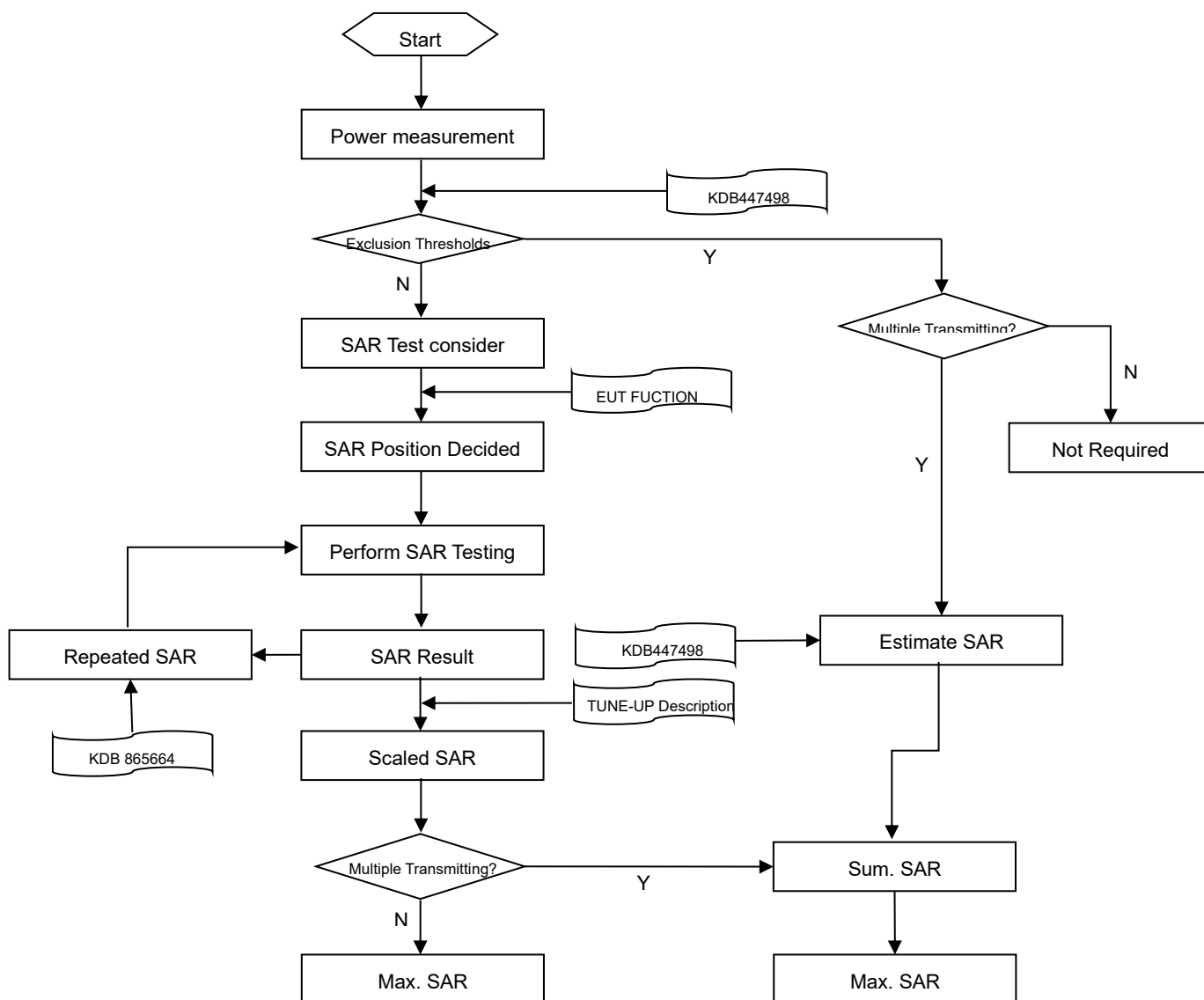
6.1 Body-worn Position Conditions

Devices that support transmission while used with body-worn accessories must be tested for SAR compliance related to each body-worn condition of use. SAR evaluation is required for body-worn accessories supplied with the device they are attached to.

The general informing principle is that the selected test configurations must conservatively capture the various body-worn accessory use conditions expected by users. For instance, devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, must be tested for SAR compliance using a conservative minimum test separation distance not to exceed 5 mm for all use conditions required by the device.

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 $\leq$ 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		5–6 GHz: ≤ 2 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:

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.

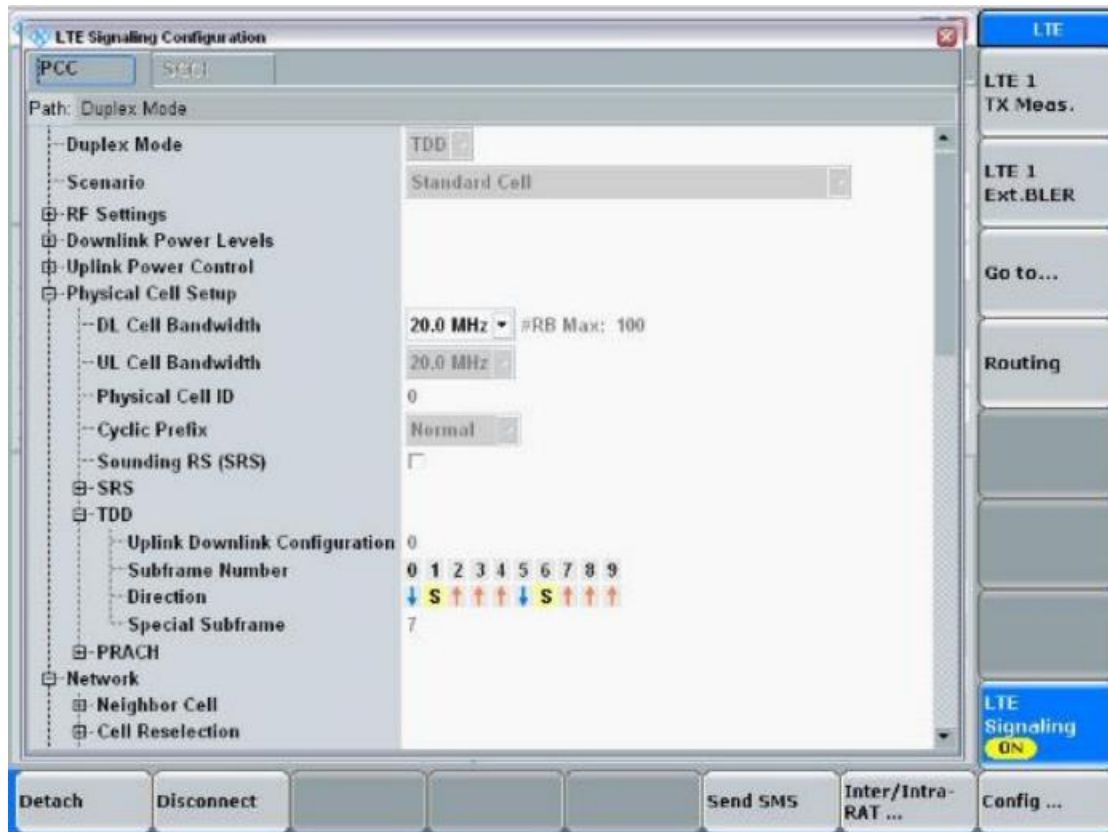
7.4 Area & Zoom Scan Procedure

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.

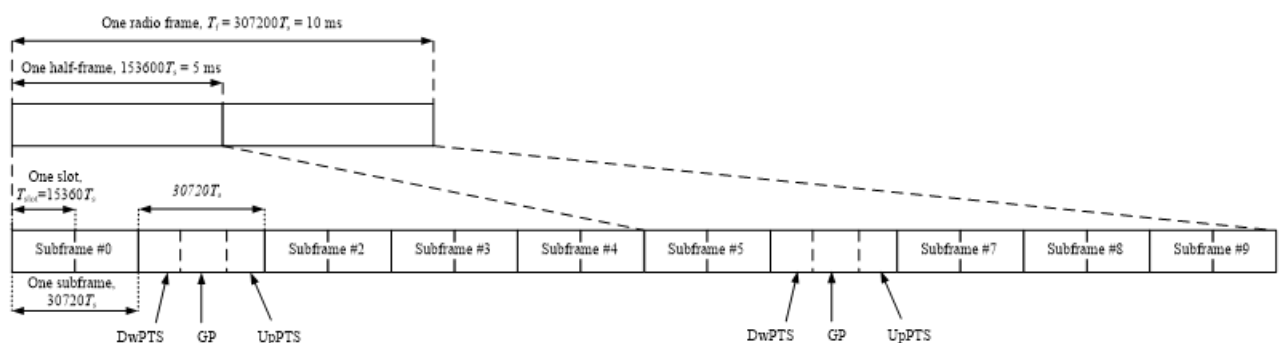
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

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: **$6.334\text{ms} / 10\text{ms} = 1: 1.58$**

7.6 Interim Procedures for WIFI 6E

Interim procedures for FCC radio frequency (RF) exposure evaluations of U-NII 6-7 GHz band portable devices have been made available during the TCB workshop in April 2021. The procedure is summarized below:

- Evaluate SAR / APD with DASY6 Module SAR V16.0 or higher. The configurations to be tested are defined in the relevant Knowledge Database (KDB). The psSAR and absorbed psPD are reported.
- For the configuration with the highest SAR, evaluate the incident power density with DASY6 Module mmWave V2.4.2 or higher. The incident psPD must be adjusted per amount that the measurement uncertainty exceeds 30% before it is included in the test report.

8 CONDUCTED RF OUTPUT POWER

8.1 Antenna Configurations

WWAN Antenna Configuration

EN-DC Configurations	E-UTRA	NR	Antenna Configurations
	Band	Band	1
5A+n77A	LTE Band5	n77	LTE ANT0
			NR ANT2
12A+n77A	LTE Band12	n77	LTE ANT0
			NR ANT2
41A+n77A	LTE Band13	n77	LTE ANT0
			NR ANT2
2A+n78A	LTE Band66	n78	LTE ANT0
			NR ANT2
5A+n78A	LTE Band2	n78	LTE ANT0
			NR ANT2
41A+n78A	LTE Band66	n78	LTE ANT0
			NR ANT2

8.2 WCDMA Output Power

Please refer the document "Ti-CC26080106-AP-1.pdf".

8.3 LTE Output Power

Please refer the document "Ti-CC26080106-AP-1.pdf".

8.4 LTE ENDC Output Power

Please refer the document "Ti-CC26080106-AP-1.pdf"

8.5 NR Output Power

Please refer the document "Ti-CC26080106-AP-1.pdf".

8.6 NR ENDC Output Power

Please refer the document "Ti-CC26080106-AP-1.pdf"

8.7 WIFI Output Power

Please refer the document "Ti-CC26080106-AP-1.pdf".

8.8 Bluetooth

Please refer the document "Ti-CC26080106-AP-1.pdf".

9 TEST EXCLUSION CONSIDERATION

For antenna location and support bands please refer the document "Ti-CC26080106-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

Please refer the document "Ti-CC26080106-ATR.pdf".

10.2 WWAN-Limbs

Please refer the document "Ti-CC26080106-ATR.pdf".

10.3 WIFI&BT-Body

Please refer the document "Ti-CC26080106-ATR.pdf".

10.4 WIFI&BT-Limbs

Please refer the document "Ti-CC26080106-ATR.pdf".

10.5NFC

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	63.39	3	6	-25.87

Note:

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

2. ERP = $63.39 + 20 \cdot \log(3) - 104.8 + 6 = -25.87$ (dBm)

According to the FCC KDB 447498 D04

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

Estimated SAR	$1.6 \cdot P_{\text{ant}} / P_{\text{th}}$ [W/kg]		
P _{meas} .(dBm)	-25.87	P _{meas} .(mW)	0.0025
P _{th} .(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], the worst TER = (1.568+0.001)/1.6 = 0.981 < 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 $0.595 < 0.80$ 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.	Simultaneous Tx Combination	Body	Extremity
1	WWAN + 2.4G WIFI+5GWIFI+BT	Yes	Yes
2	WWAN + 2.4G WIFI+6GWIFI+BT	Yes	Yes
1. The maximum SAR summation is calculated based on the same configuration and test position. 2. 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 Body Simultaneous Transmission SAR Evaluation

Position	Stand alone SAR					SUM SAR	
	1	2	3	4	5		
	WWAN.MAX	2.4GWIFI.Max	5GWIFI Max.	6GWIFI.Max	Bluetooth Max.	1+2+3+5	1+2+4+5
Body	0.722	0.196	0.502	0.239	0.148	1.568	1.305

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.568 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.3 Limbs Simultaneous Transmission SAR Evaluation

Position	Stand alone SAR					SUM SAR	
	1	2	3	4	5		
	WWAN.MAX	2.4GWIFI.Max	5GWIFI Max.	6GWIFI.Max	Bluetooth Max.	1+2+3+5	1+2+4+5
Body	1.242	0.223	0.750	0.110	0.137	2.352	1.712

Note:

1: The simultaneous transmission combinations of the antennas antennas contain combinations of two antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 10g SAR is 2.352 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

12.4 Body Simultaneous Transmission SAR Evaluation for ENDC

Band	LTE Band	LTE Antenna	4G		ENDC	NR Band	NR Antenna	SA		ENDC	Position	Stand alone SAR							SUM SAR	
			LTE.MAX	LTE Max Power	LTE Max Power			NR SAR	NR Max Power	NR Max Power		LTE.MAX SAR	NR.MAX SAR	1	2	3	4	5		
														ENDC (LTE+NR) MAX.	2.4GWIFI Max.	5GWIFI Max.	6GWIFI.Max Max.	Bluetooth Max.	1+2+3+5	1+2+4+5
DC_SA+n77A	Band5	ANT0	0.222	23.00	20.50	N77	ANT2	0.249	25.50	19.50	Body	0.125	0.063	0.187	0.196	0.502	0.239	0.148	1.033	0.770
DC_12A+n77A	Band12	ANT0	0.181	23.00	20.50	N77	ANT2	0.249	25.50	19.50	Body	0.102	0.063	0.164	0.196	0.502	0.239	0.148	1.010	0.747
DC_41A+n77A	Band41	ANT0	0.722	22.00	21.00	N77	ANT2	0.249	25.50	19.50	Body	0.574	0.063	0.636	0.196	0.502	0.239	0.148	1.482	1.219
DC_2A+n78A	Band2	ANT0	0.256	22.00	20.00	N78	ANT2	0.356	25.50	19.50	Body	0.162	0.089	0.251	0.196	0.502	0.239	0.148	1.097	0.834
DC_5A+n78A	Band5	ANT0	0.222	23.00	20.50	N78	ANT2	0.356	25.50	19.50	Body	0.125	0.089	0.214	0.196	0.502	0.239	0.148	1.060	0.797
DC_41A+n78A	Band41	ANT0	0.571	21.00	21.00	N78	ANT2	0.356	25.50	19.50	Body	0.571	0.089	0.660	0.196	0.502	0.239	0.148	1.506	1.243

Note:

1: The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 1g SAR is 1.506 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

12.5 Limbs Simultaneous Transmission SAR Evaluation for ENDC

Band	LTE Band	LTE Antenna	4G		ENDC	NR Band	NR Antenna	SA		ENDC	Position	Stand alone SAR							SUM SAR	
			LTE.MAX	LTE	LTE			NR.MAX	NR	NR		LTE.MAX	NR.MAX	1	2	3	4	5		
			SAR	Max Power	Max Power			SAR	Max Power	Max Power		SAR	SAR	ENDC (LTE+NR) MAX.	2.4GWIFI Max.	5GWIFI Max.	6GWIFI.Max	Bluetooth Max.	1+2+3+5	1+2+4+5
DC_SA+n77A	Band5	ANT0	0.184	23.00	20.50	N77	ANT2	0.154	25.50	19.50	Limbs	0.103	0.039	0.142	0.223	0.750	0.110	0.137	1.252	0.612
DC_12A+n77A	Band12	ANT0	0.130	23.00	20.50	N77	ANT2	0.154	25.50	19.50	Limbs	0.073	0.039	0.112	0.223	0.750	0.110	0.137	1.222	0.582
DC_41A+n77A	Band41	ANT0	0.753	22.00	21.00	N77	ANT2	0.154	25.50	19.50	Limbs	0.598	0.039	0.637	0.223	0.750	0.110	0.137	1.747	1.107
DC_2A+n78A	Band2	ANT0	0.342	22.00	20.00	N78	ANT2	0.197	25.50	19.50	Limbs	0.216	0.049	0.265	0.223	0.750	0.110	0.137	1.375	0.735
DC_SA+n78A	Band5	ANT0	0.184	23.00	20.50	N78	ANT2	0.197	25.50	19.50	Limbs	0.103	0.049	0.153	0.223	0.750	0.110	0.137	1.263	0.623
DC_41A+n78A	Band41	ANT0	0.660	21.00	21.00	N78	ANT2	0.197	25.50	19.50	Limbs	0.660	0.049	0.709	0.223	0.750	0.110	0.137	1.819	1.179

Note:

1: The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations was shown in this table.

2: The highest Summed 10g SAR is 1.819 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
Test Software	Speag	DASY8	16.2.2.1588	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
3900MHz Validation Dipole	Speag	D3900V2	SN: 1077	2024/07/19	2027/07/18
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
6.5GHz Validation Dipole	Speag	D6.5GHzV2	SN: 1037	2024/05/28	2027/05/27
Data Acquisition Electronics	Speag	DAE4	SN: 878	2026/03/23	2027/03/22
Data Acquisition Electronics	Speag	DAE4	SN: 1423	2026/08/19	2027/08/18
E-Field Probe	Speag	EX3DV4	SN: 7893	2026/07/30	2027/07/29
E-Field Probe	Speag	EX3DV4	SN: 3974	2026/08/19	2027/08/18
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
Wireless Communication Test Set	R&S	CMW500	104946	2026/03/24	2027/03/23
Network Analyzer	Agilent	E5071C	MY46103472	2026/07/14	2027/07/13
Thermometer	Elitech	RC-4HC	EF7264001049	2026/07/03	2027/07/02
Thermometer	Elitech	RC-4	EF5263002370	2026/07/03	2027/07/02
Thermometer	Elitech	RC-4HC	EF720B004813	2025/10/30	2026/10/29
Thermometer	Elitech	RC-4HC	EF720B004817	2025/10/30	2026/10/29
Thermometer	Elitech	RC-4HC	EF7239002655	2025/10/29	2026/10/28
Thermometer	Elitech	RC-4HC	EF7216002974	2025/10/30	2026/10/29
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
Phantom	Speag	SAM	SN: 2090	N/A	N/A
Phantom	Speag	SAM	SN: 1859	N/A	N/A

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
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.

DASY 5

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 (%)
2026.08.24	Head	750	21.5	0.890	41.663	0.893	41.940	-0.34	-0.66
2026.08.25	Head	750	21.5	0.914	40.984	0.893	41.940	2.35	-2.28
2026.08.26	Head	835	21.3	0.887	41.948	0.900	41.500	-1.44	1.08
2026.09.13	Head	1750	21.5	1.378	39.884	1.371	40.080	0.51	-0.49
2026.08.27	Head	1950	21.5	1.450	38.584	1.400	40.000	3.57	-3.54
2026.08.28	Head	2600	21.4	2.011	37.883	1.964	39.010	2.39	-2.89
2026.08.25	Head	835	21.5	0.896	41.454	0.900	41.500	-0.44	-0.11
2026.08.29	Head	2600	21.3	1.989	38.160	1.964	39.010	1.27	-2.18
2026.08.30	Head	3500	21.6	2.840	38.465	2.913	37.930	-2.51	1.41
2026.08.31	Head	3700	21.4	3.067	38.126	3.118	37.700	-1.64	1.13
2026.08.31	Head	3900	21.4	3.316	37.343	3.323	37.470	-0.21	-0.34
2026.09.12	Head	2600	21.5	1.998	38.132	1.964	39.010	1.73	-2.25
2026.08.30	Head	3400	21.6	2.723	38.743	2.810	38.040	-3.10	1.85

Note: The tolerance limit of Conductivity and Permittivity is $\pm 5\%$.

DASY 8

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 (%)
2026.09.09	Head	835	21.9	0.926	41.2	0.900	41.5	2.89	-0.72
2026.09.10	Head	750	21.7	0.891	42.1	0.893	41.9	-0.22	0.48
2026.09.11	Head	750	22.1	0.892	42.5	0.893	41.9	-0.11	1.43
2026.09.04	Head	1950	21.2	1.42	38.7	1.40	40.0	1.43	-3.25
2026.09.05	Head	1750	21.8	1.35	40.5	1.37	40.1	-1.46	1.00
2026.09.06	Head	2600	21.2	1.95	38.6	1.96	39.0	-0.51	-1.03
2026.09.07	Head	2600	21.7	1.95	39.1	1.96	39.0	-0.51	0.26
2026.09.08	Head	2450	21.5	1.78	40.1	1.80	39.2	-1.11	2.30
2026.09.01	Head	5250	21.9	4.55	36.6	4.71	35.9	-3.40	1.95
2026.09.02	Head	5600	21.8	5.07	35.5	5.07	35.5	0.00	0.00
2026.09.03	Head	5750	21.1	5.27	35.2	5.22	35.4	0.96	-0.56
2026.09.10	Head	6500	21.7	5.99	35.0	6.07	34.5	-1.32	1.45
2026.09.11	Head	6500	22.1	5.98	35.0	6.07	34.5	-1.48	1.45
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

DASY 5

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.08.24	Head	750	100	0.855	8.55	8.46	1.06
2026.08.25	Head	750	100	0.857	8.57	8.46	1.30
2026.08.26	Head	835	100	0.958	9.58	9.74	-1.64
2026.09.13	Head	1750	100	3.740	37.40	37.00	1.08
2026.08.27	Head	1950	100	4.180	41.80	41.70	0.24
2026.08.28	Head	2600	100	5.480	54.80	55.90	-1.97
2026.08.25	Head	835	100	0.954	9.54	9.74	-2.05
2026.08.29	Head	2600	100	5.440	54.40	55.90	-2.68
2026.08.30	Head	3500	100	6.870	68.70	68.00	1.03
2026.08.31	Head	3700	100	6.710	67.10	66.70	0.60
2026.08.31	Head	3900	100	7.130	71.30	67.60	5.47
2026.09.12	Head	2600	100	5.830	58.30	55.90	4.29
2026.08.30	Head	3400	100	6.760	67.60	66.80	1.20

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

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.08.24	Head	750	100	0.551	5.51	5.70	-3.33
2026.08.25	Head	750	100	0.558	5.58	5.70	-2.11
2026.08.26	Head	835	100	0.625	6.25	6.43	-2.80
2026.09.13	Head	1750	100	1.980	19.80	19.70	0.51
2026.08.27	Head	1950	100	2.080	20.80	21.70	-4.15
2026.08.28	Head	2600	100	2.530	25.30	25.40	-0.39
2026.08.25	Head	835	100	0.621	6.21	6.43	-3.42
2026.08.29	Head	2600	100	2.540	25.40	25.40	0.00
2026.08.30	Head	3500	100	2.650	26.50	26.10	1.53
2026.08.31	Head	3700	100	2.450	24.50	24.60	-0.41
2026.08.31	Head	3900	100	2.500	25.00	23.60	5.93
2026.09.12	Head	2600	100	2.620	26.20	25.40	3.15
2026.08.30	Head	3400	100	2.750	27.50	25.27	7.00

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

DASY 8

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.09.09	Head	835	100	0.971	9.71	9.74	-0.31
2026.09.10	Head	750	100	0.791	7.91	8.46	-6.50
2026.09.11	Head	750	100	0.891	8.91	8.46	5.32
2026.09.04	Head	1950	100	4.440	44.40	41.70	6.47
2026.09.05	Head	1750	100	3.830	38.30	37.00	3.51
2026.09.06	Head	2600	100	6.100	61.00	55.90	9.12
2026.09.07	Head	2600	100	5.620	56.20	55.90	0.54
2026.09.08	Head	2450	100	5.610	56.10	52.60	6.65
2026.09.01	Head	5250	100	8.170	81.70	77.70	5.15
2026.09.02	Head	5600	100	8.680	86.80	81.30	6.77
2026.09.03	Head	5750	100	7.090	70.90	77.60	-8.63
2026.09.10	Head	6500	100	29.800	298.00	299.00	-0.33
2026.09.11	Head	6500	100	27.300	273.00	299.00	-8.70
Note: The tolerance limit of System validation $\pm 10\%$.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.09.09	Head	835	100	0.631	6.31	6.43	-1.87
2026.09.10	Head	750	100	0.558	5.58	5.70	-2.11
2026.09.11	Head	750	100	0.591	5.91	5.70	3.68
2026.09.04	Head	1950	100	2.340	23.40	21.70	7.83
2026.09.05	Head	1750	100	1.950	19.50	19.70	-1.02
2026.09.06	Head	2600	100	2.690	26.90	25.40	5.91
2026.09.07	Head	2600	100	2.560	25.60	25.40	0.79
2026.09.08	Head	2450	100	2.660	26.60	24.70	7.69
2026.09.01	Head	5250	100	2.360	23.60	22.00	7.27
2026.09.02	Head	5600	100	2.380	23.80	23.10	3.03
2026.09.03	Head	5750	100	2.040	20.40	21.90	-6.85
2026.09.10	Head	6500	100	5.600	56.00	55.20	1.45
2026.09.11	Head	6500	100	5.290	52.90	55.20	-4.17
Note: The tolerance limit of System validation $\pm 10\%$.							

Please refer the document "Ti-CC26080106-ASC-1.pdf".

ANNEX C TEST DATA

Please refer the document “Ti-CC26080106-ATD-1.pdf”.

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26080106-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “Ti-CC26080106-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “Ti-CC26080106-AC.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “Ti-CC26080106-AT-1.pdf”.

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