

S

T

S

L

A

B



FCC SAR TEST REPORT

Report No: STS1702103H02

Issued for

Pod Trackers Pty Ltd.

Lvl 9, 61 Lavender St., Milsons Point NSW 2061, Australia

Product Name:	Pod 3 GPS Tracker and Activity Monitor
Brand Name:	N/A
Model Name:	POD-003
Series Model:	N/A
FCC ID:	2AD83POD-3
Test Standard:	ANSI/IEEE Std. C95.1
	FCC 47 CFR Part 2 (2.1093)
	IEEE 1528: 2013
Max. Report SAR (1g):	Body:0.624 W/kg

Any reproduction of this document must be done in full. No single part of this document may be reproduced without permission from STS, All Test Data Presented in this report is only applicable to presented Test sample.





Test Report Certification

Applicant's name : Pod Trackers Pty Ltd.

Address : Lvl 9, 61 Lavender St., Milsons Point NSW 2061, Australia

Manufacture's Name : Kaifa Technology Co., Ltd

Address : 7006 Caitain Rd., Futian Distric, Shenzhen, China

Product description

Product name : Pod 3 GPS Tracker and Activity Monitor

Trademark : N/A

Model and/or type reference : POD-003

Series Model : N/A

Standards : ANSI/IEEE Std. C95.1-1992
FCC 47 CFR Part 2 (2.1093)
IEEE 1528: 2013

The device was tested by Shenzhen STS Test Services Co., Ltd. in accordance with the measurement methods and procedures specified in KDB 865664 The test results in this report apply only to the tested sample of the stated device/equipment. Other similar device/equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Date (s) of performance of tests : 17 Mar 2017

Date of Issue : 20 Mar. 2017

Test Result : **Pass**

Testing Engineer :

Aaron Bu

(Aaron Bu)

Technical Manager :

John Zou

(John Zou)

Authorized Signatory :

Vita Li

(Vita Li)





Table of Contents

1.General Information	4
1.1 EUT Description	4
1.2 Test Environment	5
1.3 Test Factory	5
2.Test Standards And Limits	6
3. SAR Measurement System	7
3.1 Definition Of Specific Absorption Rate (SAR)	7
3.2 SAR System	7
4. Tissue Simulating Liquids	10
4.1 Simulating Liquids Parameter Check	10
5. SAR System Validation	11
5.1 Validation System	11
5.2 Validation Result	11
6. SAR Evaluation Procedures	12
7. EUT Antenna Location Sketch	13
8. EUT Test Position	14
8.1 This EUT was tested in Front Face and Rear Face.	14
9. Uncertainty	15
9.1 Measurement Uncertainty	15
9.2 System validation Uncertainty	17
10. Conducted Power Measurement	19
10.1 Test Result	19
10.2 Tune-up Power	22
10.3 SAR Test Exclusions Applied	23
11. EUT And Test Setup Photo	24
11.1 EUT Photo	24
11.2 Setup Photo	26
12. SAR Result Summary	30
12.1 Body-worn SAR	30
13. Equipment List	33
Appendix A. System Validation Plots	34
Appendix B. SAR Test Plots	40
Appendix C. Probe Calibration And Dipole Calibration Report	45



1. General Information

Environmental evaluation measurements of specific absorption rate (SAR) distributions in emulated human head and body tissues exposed to radio frequency (RF) radiation from wireless portable devices for compliance with the rules and regulations of the U.S. Federal Communications Commission (FCC).

1.1 EUT Description

Equipment	Pod 3 GPS Tracker and Activity Monitor		
Brand Name	N/A		
Model No.	POD-003		
Series Model	N/A		
FCC ID	2AD83POD-3		
Model Difference	N/A		
Adapter	N/A		
Battery	Rated Voltage: 3.7 V; Charge Limit: 4.2 V; Capacity: 420 mAh		
Device Category	Portable		
Product stage	Production unit		
RF Exposure Environment	General Population / Uncontrolled		
Hardware Version	N/A		
Software Version	N/A		
Frequency Range	GSM 850:824.2~848.8MHz PCS1900:1850.2~1909.8MHz WCDMA Band II:1852.4~1907.6MHz WCDMA Band V:826.4~846.6MHz WLAN 802.11b/g/n(HT20/40):2412~2462MHz Bluetooth:2402~ 2480MHz		
Max. Reported SAR(1g): (Limit:1.6W/kg)	Band	Mode	Body (W/kg)
	PCT	GSM 850	0.624
	PCT	GSM 1900	0.624
	PCT	WCDMA Band II	0.550
	PCT	WCDMA Band V	0.508
	DTS	WIFI	0.289
	DSS	Bluetooth ^{Note}	0.067
1-g Sum SAR			0.913
FCC Equipment Class	PCS Licensed Transmitter worn on body(PCT) Part 15 Spread Spectrum Transmitter (DSS) Digital Transmission System (DTS)		
Operating Mode:	GSM: GSM Voice; GPRS; EGPRS Class 12; WCDMA:RMC,HSDPA,HSUPA Release 6; WLAN: 802.11 b/g/n(HT20/40); Bluetooth: V4.0		
Antenna Specification:	GSM,WCDMA: Internal Antenna BT,WIFI: Internal Antenna		
SIM Card	Support single card		
Hotspot Mode:	Not Support		
DTM Mode:	Not Support		
Note: 1. Bluetooth SAR was estimated 2. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power			



1.2 Test Environment

Ambient conditions in the SAR laboratory:

Items	Required	Actual
Temperature (°C)	18-25	22~23
Humidity (%RH)	30-70	55~65

1.3 Test Factory

Shenzhen STS Test Services Co., Ltd.

Add. : 1/F, Building B, Zhuoke Science Park, No.190, Chongqing Road, Fuyong,
Baoan District, Shenzhen, Guangdong, China

CNAS Registration No.: L7649;

FCC Registration No.: 842334;

IC Registration No.: 12108A-1





2. Test Standards And Limits

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
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	IEEE Std. 1528-2013	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 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	FCC KDB 941225 D01 v03r01	SAR Measurement Procedures for 3G Devices
8	FCC KDB 648474 D04 v01r03	SAR Evaluation Considerations for Wireless Handsets
9	FCC KDB 248227 D01 Wi-Fi SAR v02r02	SAR Considerations for 802.11 Devices

(A). Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

(B). Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

NOTE: Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube.

Population/Uncontrolled Environments:

are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Occupational/Controlled Environments:

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

NOTE

GENERAL POPULATION/UNCONTROLLED EXPOSURE

PARTIAL BODY LIMIT

1.6 W/kg

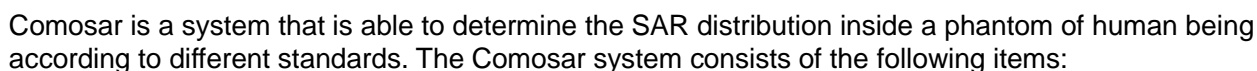
3.1 Definition Of Specific Absorption Rate (SAR)

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

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

Where: σ is the conductivity of the tissue,
 ρ is the mass density of the tissue and E is the RMS electrical field strength.

SATIMO SAR System Diagram:



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

The following figure shows the system.



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

3.2.1 Probe

For the measurements the Specific Dosimetric E-Field Probe SN 14/16 EP309 with following specifications is used

- Dynamic range: 0.01-100 W/kg
- Tip Diameter: 5 mm
- Length of Individual Dipoles: 4.5 mm
- Maximum external diameter: 8 mm
- Distance between dipole/probe extremity: 8 mm (repeatability better than +/- 2.7mm)
- Probe linearity: $0 \pm 2.27\%$ ($\pm 0.10\text{dB}$)
- Axial Isotropy: $< 0.10\text{ dB}$
- Spherical Isotropy: $< 0.10\text{ dB}$
- Calibration range: 400 MHz to 3 GHz for head & body simulating liquid.
- Angle between probe axis (evaluation axis) and surface normal line: less than 30°



Figure 1-MVG COMOSAR Dosimetric E field Dipole

3.2.2 Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm \pm 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.

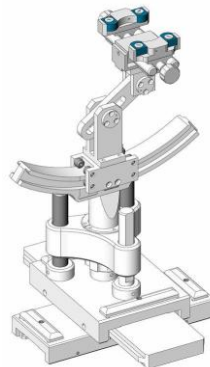


Figure-SN 32/14 SAM115



Figure-SN 32/14 SAM116

3.2.3 Device Holder



The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of \pm 0.5 mm would produce a SAR uncertainty of \pm 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.



4. Tissue Simulating Liquids

4.1 Simulating Liquids Parameter Check

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in P1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head and body tissue parameters that have not been specified in P1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in P1528.

Frequency (MHz)	Bactericide	DGBE	HEC	NaCl	Sucrose	1,2-Propanediol	X100	Water	Conductivity	Permittivity
	%	%	%	%	%	%	%	%	σ	ϵ_r
750	/	/	/	0.79	/	64.81	/	34.40	0.97	41.8
835	/	/	/	0.79	/	64.81	/	34.40	0.97	41.8
900	/	/	/	0.79	/	64.81	/	34.40	0.97	41.8
1800	/	13.84	/	0.35	/	/	30.45	55.36	1.38	41.0
1900	/	13.84	/	0.35	/	/	30.45	55.36	1.38	41.0
2000	/	7.99	/	0.16	/	/	19.97	71.88	1.55	41.1
2450	/	7.99	/	0.16	/	/	19.97	71.88	1.88	40.3
2600	/	7.99	/	0.16	/	/	19.97	71.88	1.88	40.3

Tissue dielectric parameters for head and body phantoms				
Frequency	ϵ_r		σ S/m	
	Head	Body	Head	Body
300	45.3	58.2	0.87	0.92
450	43.5	58.7	0.87	0.94
900	41.5	55.0	0.97	1.05
1450	40.5	54.0	1.20	1.30
1800	40.0	53.3	1.40	1.52
2450	39.2	52.7	1.80	1.95
3000	38.5	52.0	2.40	2.73
5800	35.3	48.2	5.27	6.00

LIQUID MEASUREMENT RESULTS

Date: 17 Mar. 2017 **Ambient condition:** Temperature 23.9°C **Relative humidity:** 55%

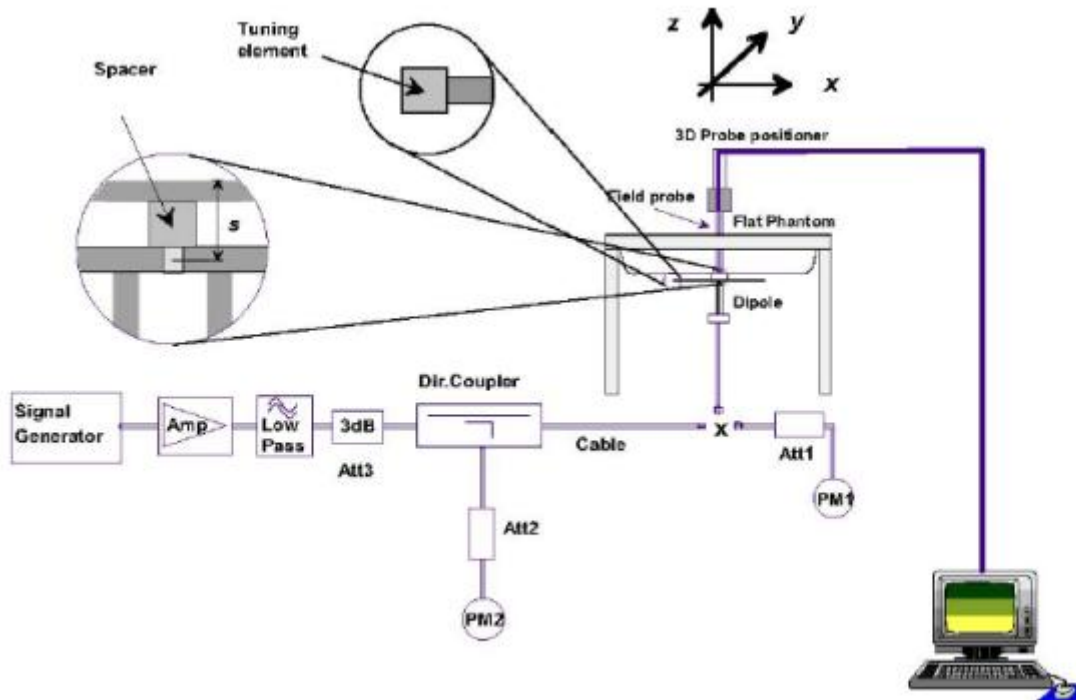
Body Simulating Liquid		Parameters	Target	Measured	Deviation[%]	Limited[%]
Frequency	Temp. [°C]					
835 MHz	22.40	Permittivity:	55.20	54.12	-1.96	± 5
		Conductivity:	0.97	0.95	-2.06	± 5
1900 MHz	22.40	Permittivity:	53.30	53.21	-0.17	± 5
		Conductivity:	1.52	1.50	-1.32	± 5
2450 MHz	22.40	Permittivity:	52.70	53.41	1.35	± 5
		Conductivity:	1.95	1.93	-1.03	± 5

5. SAR System Validation

5.1 Validation System

Each SATIMO system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the SATIMO software, enable the user to conduct the system performance check and system validation. System kit includes a dipole, and dipole device holder.

The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system validation setup is shown as below.



5.2 Validation Result

Comparing to the original SAR value provided by SATIMO, the validation data should be within its specification of 10 %.

Ambient condition: Temperature 23.9°C **Relative humidity:** 55%

Freq.(MHz)	Power(mW)	Tested Value (W/Kg)	Normalized SAR (W/kg)	Target(W/Kg)	Tolerance(%)	Date
835 Body	100	0.941	9.41	9.56	-1.62	2017-03-17
1900 Body	100	4.161	41.61	39.7	4.81	2017-03-17
2450 Body	100	5.317	53.17	52.4	1.47	2017-03-17

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



6. SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:

The following steps are used for each test position

- 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
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- 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.
- 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.

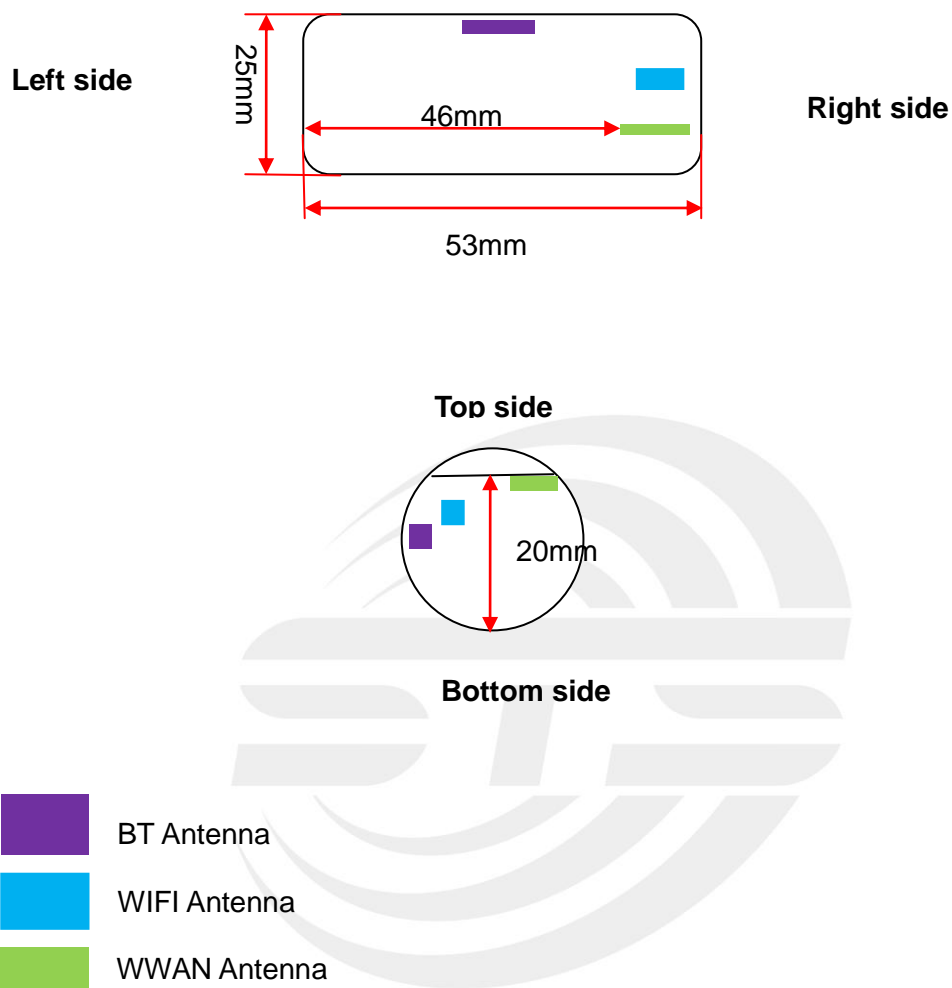
Area Scan& Zoom Scan:

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 D01v01r01 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. EUT Antenna Location Sketch

It is a Pod 3 GPS Tracker and Activity Monitor, support GSM/WCDMA mode.

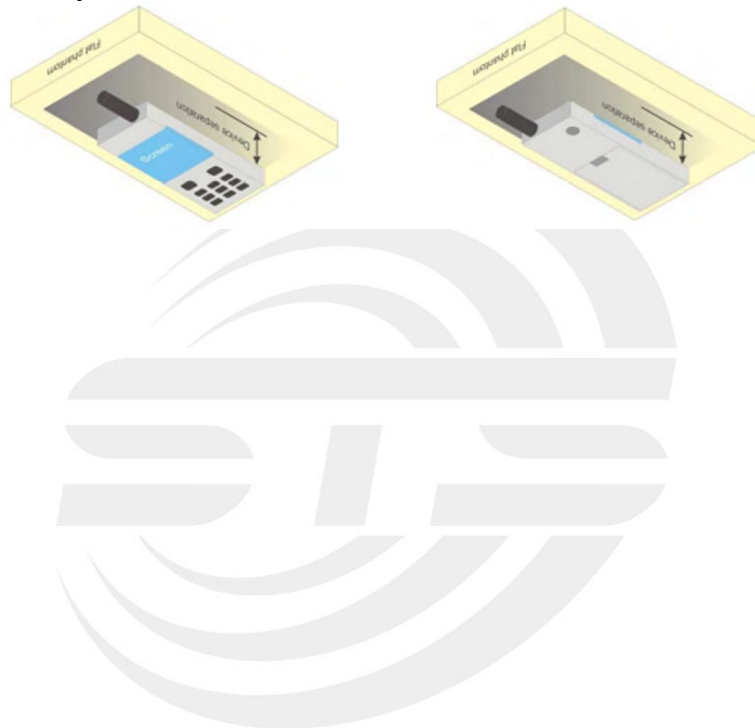


8. EUT Test Position

8.1 This EUT was tested in Front Face and Rear Face.

Body-worn Position Conditions:

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. When the same wireless transmission configuration is used for testing body-worn accessory and hotspot mode SAR, respectively, in voice and data mode, SAR results for the most conservative *test separation distance* configuration may be used to support both SAR conditions. When the *reported SAR* for a body-worn accessory, measured without a headset connected to the handset, is $> 1.2 \text{ W/kg}$, the highest *reported SAR* configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.





9. Uncertainty

9.1 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in IEEE 1528: 2013. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

NO	Source	Tol(%)	Prob. Dist.	Div. k	ci (1g)	ci (10g)	1gUi	10gUi	Veff
Measurement System <input type="checkbox"/>									
1	Probe calibration	5.8	N	1	1	1	5.8	5.8	∞
2	Axial isotropy	3.5	R	$\sqrt{3}$	$(1-cp)^{1/2}$	$(1-cp)^{1/2}$	1.43	1.43	∞
3	Hemispherical isotropy	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
4	Boundary effect	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
5	Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
6	System Detection limits	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
7	Readout electronics	0.5	N	1	1	1	0.50	0.50	∞
8	Response time	0	R	$\sqrt{3}$	1	1	0	0	∞
9	Integration time	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
10	Ambient noise	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
11	Ambient reflections	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
12	Probe positioner mech. restrictions	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
13	Probe positioning with respect to phantom shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
14	Max.SAR evaluation	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Test sample related									
15	Device positioning	2.6	N	1	1	1	2.6	2.6	11



16	Device holder	3	N	1	1	1	3.0	3.0	7
17	Drift of output power	5.0	R	√3	1	1	2.89	2.89	∞
Phantom and set-up									
18	Phantom uncertainty	4.0	R	√3	1	1	2.31	2.31	∞
19	Liquid conductivity (target)	2.5	N	1	0.78	0.71	1.95	1.78	5
20	Liquid conductivity (meas)	4	N	1	0.23	0.26	0.92	1.04	5
21	Liquid Permittivity (target)	2.5	N	1	0.78	0.71	1.95	1.78	∞
22	Liquid Permittivity (meas)	5.0	N	1	0.23	0.26	1.15	1.30	∞
Combined standard			RSS	$U_c = \sqrt{\sum_{i=1}^n C_i^2 U_i^2}$			10.63%	10.54%	
Expanded uncertainty (P=95%)		$U = k U_c, k=2$					21.26%	21.08%	



9.2 System validation Uncertainty

NO	Source	Tol(%)	Prob. Dist.	Div. k	ci (1g)	ci (10g)	1gUi	10gUi	Veff
Measurement System <input type="checkbox"/>									
1	Probe calibration	5.8	N	1	1	1	5.8	5.8	∞
2	Axial isotropy	3.5	R	$\sqrt{3}$	$(1-c_p)^{1/2}$	$(1-c_p)^{1/2}$	1.43	1.43	∞
3	Hemispherical isotropy	5.9	R	$\sqrt{3}$	$\sqrt{C_p}$	$\sqrt{C_p}$	2.41	2.41	∞
4	Boundary effect	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
5	Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
6	System Detection limits	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	∞
7	Modulation response	0	N	1	1	1	0	0	∞
8	Readout electronics	0.5	N	1	1	1	0.50	0.50	∞
9	Response time	0	R	$\sqrt{3}$	1	1	0	0	∞
10	Integration time	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
11	Ambient noise	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
12	Ambient reflections	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	∞
13	Probe positioner mech. restrictions	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
14	Probe positioning with respect to phantom shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	∞
15	Max.SAR evaluation	1.0	R	$\sqrt{3}$	1	1	0.6	0.6	∞
Dipole									
16	Deviation of experimental source from	4	N	1	1	1	4.00	4.00	∞



17	Input power and SAR drif measurement	5	R	√3	1	1	2.89	2.89	∞
18	Dipole Axis to liquid Distance	2	R	√3	1	1			∞
Phantom and set-up									
19	Phantom uncertainty	4.0	R	√3	1	1	2.31	2.31	∞
20	Uncertainty in SAR correction for deviation(in	2.0	N	1	1	0.84	2	1.68	∞
21	Liquid conductivity (target)	2	N	1	1	0.84	2.00	1.68	∞
22	Liquid conductivity (temperature uncertainty)	2.5	N	1	0.78	0.71	1.95	1.78	5
23	Liquid conductivity (meas)	4	N	1	0.23	0.26	0.92	1.04	5
24	Liquid Permittivity (target)	2.5	N	1	0.78	0.71	1.95	1.78	∞
25	Liquid Permittivity (temperature uncertainty)	2.5	N	1	0.78	0.71	1.95	1.78	5
26	Liquid Permittivity (meas)	5.0	N	1	0.23	0.26	1.15	1.30	∞
Combined standard			RSS	$U_c = \sqrt{\sum_{i=1}^n C_i^2 U_i^2}$			10.15%	10.05%	
Expanded uncertainty (P=95%)		$U = k U_c, k=2$					20.29%	20.10%	



10. Conducted Power Measurement

10.1 Test Result

Burst Average Power (dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM(GMSK, 1-Slot)	32.25	32.28	32.50	29.78	29.62	29.69
GPRS (GMSK, 1-Slot)	32.26	32.27	32.47	28.76	28.21	28.67
GPRS (GMSK, 2-Slot)	31.41	31.52	31.72	28.00	27.45	27.92
GPRS (GMSK, 3-Slot)	29.35	29.54	29.74	26.34	26.48	26.54
GPRS (GMSK, 4-Slot)	27.46	27.43	27.63	24.35	24.37	24.83
EGPRS(8PSK, 1-Slot)	26.39	26.86	26.44	24.64	24.63	24.99
EGPRS(8PSK, 2-Slot)	25.44	25.58	25.50	23.47	23.41	23.73
EGPRS(8PSK, 3-Slot)	23.52	23.44	23.62	23.43	22.37	22.34
EGPRS(8PSK, 4-Slot)	22.49	22.36	22.58	21.33	21.11	21.43
Remark: GPRS, CS4 coding scheme. EGPRS, MCS9 coding scheme. Multi-Slot Class 8 , Support Max 4 downlink, 1 uplink , 5 working link Multi-Slot Class 10 , Support Max 4 downlink, 2 uplink , 5 working link Multi-Slot Class 12 , Support Max 4 downlink, 4 uplink , 5 working link						

Fram- Average Power(dBm)						
Band	GSM 850			PCS 1900		
Channel	128	190	251	512	661	810
Frequency (MHz)	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM(GMSK, 1-Slot)	23.22	23.25	23.47	20.75	20.59	20.66
GPRS (GMSK, 1-Slot)	23.23	23.24	23.44	19.73	19.18	19.64
GPRS (GMSK, 2-Slot)	25.39	25.50	25.70	21.98	21.43	21.90
GPRS (GMSK, 3-Slot)	25.09	25.28	25.48	22.08	22.22	22.28
GPRS (GMSK, 4-Slot)	24.45	24.42	24.62	21.34	21.36	21.82
EGPRS(8PSK, 1-Slot)	17.36	17.83	17.41	15.61	15.60	15.96
EGPRS(8PSK, 2-Slot)	19.42	19.56	19.48	17.45	17.39	17.71
EGPRS(8PSK, 3-Slot)	19.26	19.18	19.36	19.17	18.11	18.08
EGPRS(8PSK, 4-Slot)	19.48	19.35	19.57	18.32	18.10	18.42
Remark : 1. SAR testing was performed on the maximum frame-averaged power mode. 2. The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below: Frame-averaged power = Burst averaged power (1 Tx Slot) – 9.03 dB Frame-averaged power = Burst averaged power (2 Tx Slots) – 6.02 dB Frame-averaged power = Burst averaged power (3 Tx Slots) - 4.26 dB Frame-averaged power = Burst averaged power (4 Tx Slots) – 3.01 dB						

**WCDMA**

Band	WCDMA Band V			WCDMA Band II		
Channel	4132	4183	4233	9262	9400	9538
Frequency (MHz)	826.4	836.6	846.6	1852.4	1880.0	1907.6
RMC 12.2Kbps	22.80	22.69	22.67	24.14	24.66	24.27
HSDPA Subtest-1	22.43	22.35	22.40	24.12	24.65	24.25
HSDPA Subtest-2	22.37	22.34	22.40	24.11	24.63	24.24
HSDPA Subtest-3	22.32	22.30	22.32	24.09	24.62	24.22
HSDPA Subtest-4	22.29	22.21	22.34	24.09	24.60	24.20
HSUPA Subtest-1	22.27	22.30	22.28	24.13	24.64	24.26
HSUPA Subtest-2	22.24	22.19	22.30	24.10	24.63	24.24
HSUPA Subtest-3	22.37	22.29	22.34	24.08	24.62	24.23
HSUPA Subtest-4	22.19	22.22	22.30	24.14	24.66	24.27

According to 3GPP 25.101 sub-clause 6.2.2 , the maximum output power is allowed to be reduced by following the table.

Table 6.1A: UE maximum output power with HS-DPCCH and E-DCH

UE Transmit Channel Configuration	CM(db)	MPR(db)
For all combinations of ,DPDCH,DPCCH HS-DPDCH,E-DPDCH and E-DPCCH	$0 \leq CM \leq 3.5$	$MAX(CM-1,0)$
Note: CM=1 for $\beta_c/\beta_d=12/15$, $\beta_{hs}/\beta_c=24/15$.For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.		

The device supports MPR to solve linearity issues (ACLR or SEM) due to the higher peak-to average ratios (PAR) of the HSUPA signal. This prevents saturating the full range of the TX DAC inside of device and provides a reduced power output to the RF transceiver chip according to the Cubic Metric (a function of the combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH).

When E-DPDCH channels are present the beta gains on those channels are reduced firsts to try to get the power under the allowed limit. If the beta gains are lowered as far as possible, then a hard limiting is applied at the maximum allowed level.

The SW currently recalculates the cubic metric every time the beta gains on the E-DPDCH are reduced. The cubic metric will likely get lower each time this is done .However, there is no reported reduction of maximum output power in the HSUPA mode since the device also provides a compensation for the power back-off by increasing the gain of TX_AGC in the transceiver (PA) device.

The end effect is that the DUT output power is identical to the case where there is no MPR in the device.

**WIFI**

Mode	Channel Number	Frequency (MHz)	Average Power (dBm)
802.11b	1	2412	18.35
	6	2437	18.54
	11	2462	18.48
802.11g	1	2412	16.16
	6	2437	16.20
	11	2462	16.15
802.11n(HT 20)	1	2412	16.34
	6	2437	16.43
	11	2462	16.39
802.11n(HT 40)	3	2422	15.56
	6	2437	15.49
	9	2452	15.51

BT 4.0

Mode	Channel Number	Frequency (MHz)	Average Power (dBm)
GFSK(1Mbps)	0	2402	1.56
	19	2440	1.49
	39	2480	1.51



10.2 Tune-up Power

Mode	GSM850(AVG)	GSM1900(AVG)
GSM/PCS	32±1dBm	29±1dBm
GPRS (1 Slot)	32±1dBm	28±1dBm
GPRS (2 Slot)	31±1dBm	28±1dBm
GPRS (3 Slot)	29±1dBm	26±1dBm
GPRS (4 Slot)	27±1dBm	24±1dBm
EDGE (1 Slot)	26±1dBm	24±1dBm
EDGE (2 Slot)	25±1dBm	23±1dBm
EDGE (3 Slot)	23±1dBm	23±1dBm
EDGE (4 Slot)	22±1dBm	21±1dBm

Mode	WCDMA Band V (AVG)	WCDMA Band II (AVG)
RMC	22±1dBm	24±1dBm
HSDPA Subtest-1	22±1dBm	24±1dBm
HSDPA Subtest-2	22±1dBm	24±1dBm
HSDPA Subtest-3	22±1dBm	24±1dBm
HSDPA Subtest-4	22±1dBm	24±1dBm
HSUPA Subtest-1	22±1dBm	24±1dBm
HSUPA Subtest-2	22±1dBm	24±1dBm
HSUPA Subtest-3	22±1dBm	24±1dBm
HSUPA Subtest-4	22±1dBm	24±1dBm
HSUPA Subtest-5	22±1dBm	24±1dBm

Mode	WIFI(AVG)
IEEE 802.11b	18±1dBm
IEEE 802.11g	16±1dBm
IEEE 802.11n(HT 20)	16±1dBm
IEEE 802.11n(HT 40)	15±1dBm

Mode	BT 4.0(AVG)
GFSK	1±1dBm



10.3 SAR Test Exclusions Applied

Per FCC KDB 447498D01, the 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

$$\frac{\text{Max Power of Channel (mW)}}{\text{Test Separation Dist (mm)}} * \sqrt{\text{Frequency (GHz)}} \leq 3.0$$

Based on the maximum conducted power of **Bluetooth Body** (rounded to the nearest mW) and the antenna to user separation distance,

Bluetooth Body SAR was not required; $[(1.585/5) * \sqrt{2.480}] = 0.50 < 3.0$.

Based on the maximum conducted power of **2.4 GHz WIFI Body** (rounded to the nearest mW) and the antenna to user separation distance,

2.4 GHz WIFI Body SAR was required; $[(79.433/5) * \sqrt{2.462}] = 12.46 > 3.0$.



11. EUT And Test Setup Photo

11.1 EUT Photo

Photo 1

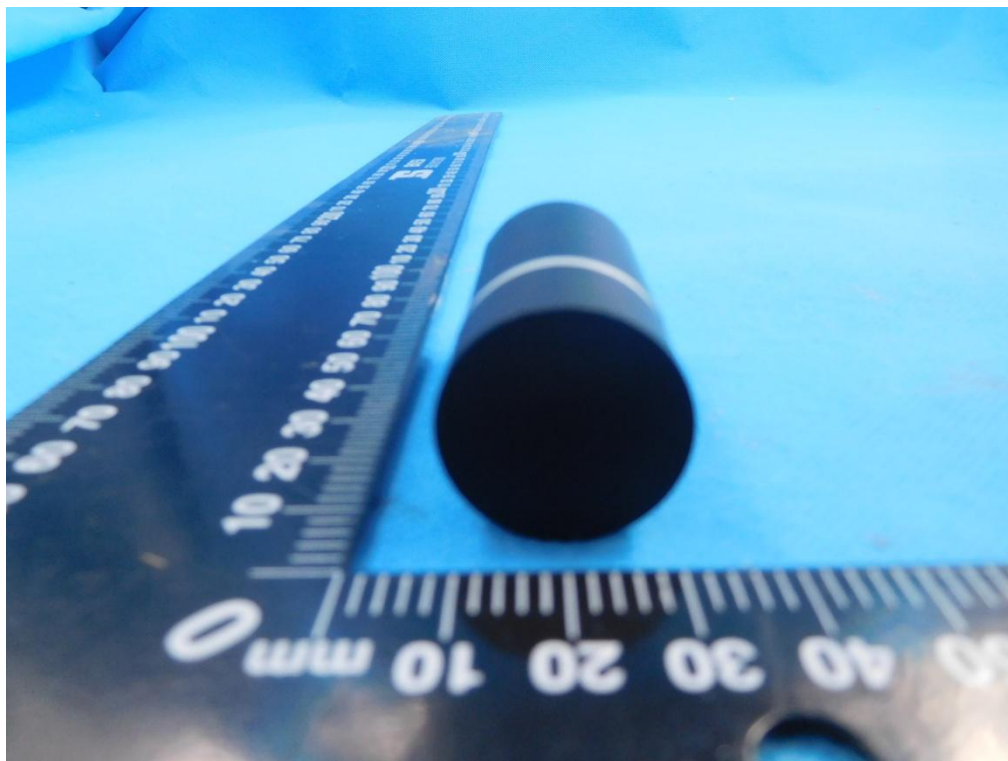


Photo 2

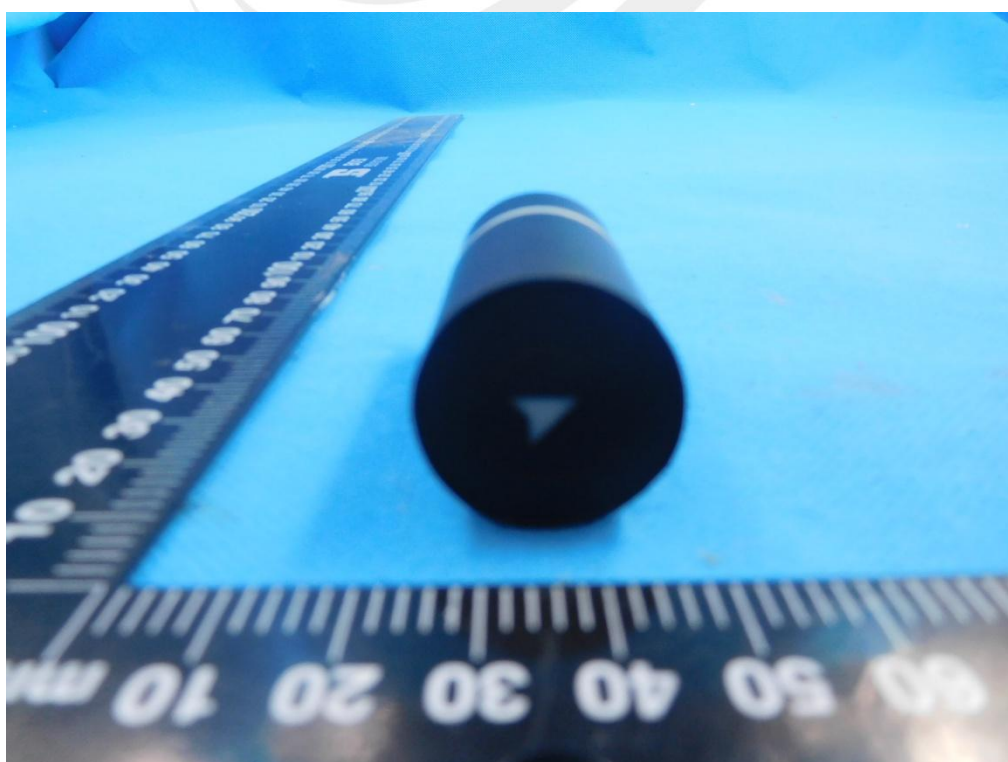


Photo 3

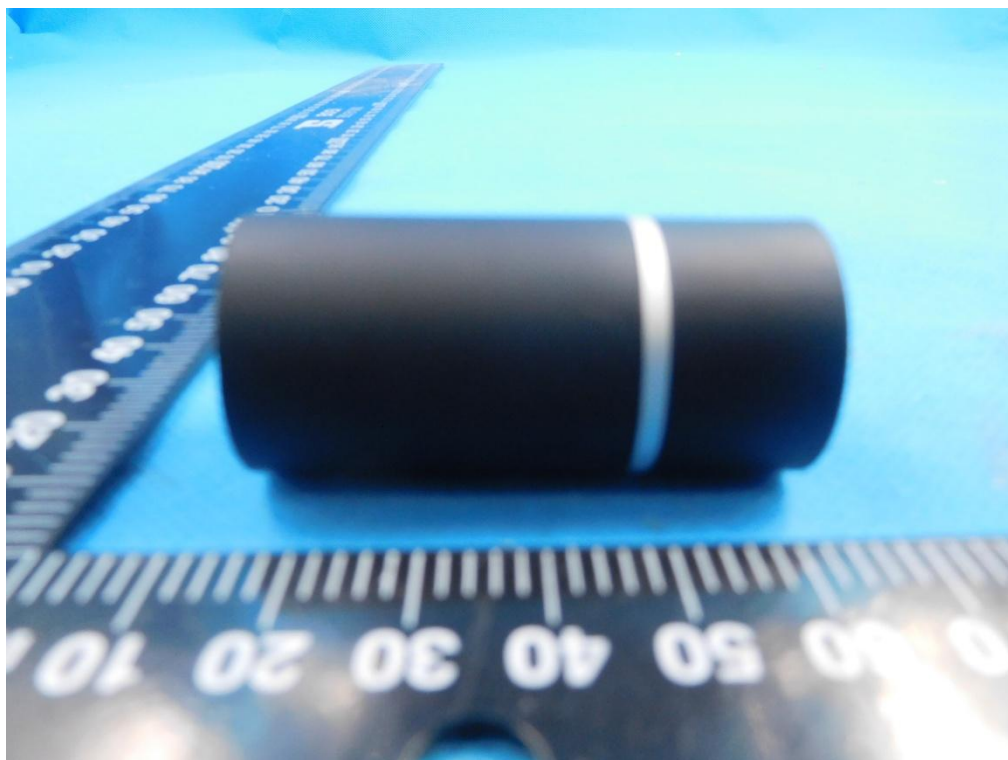
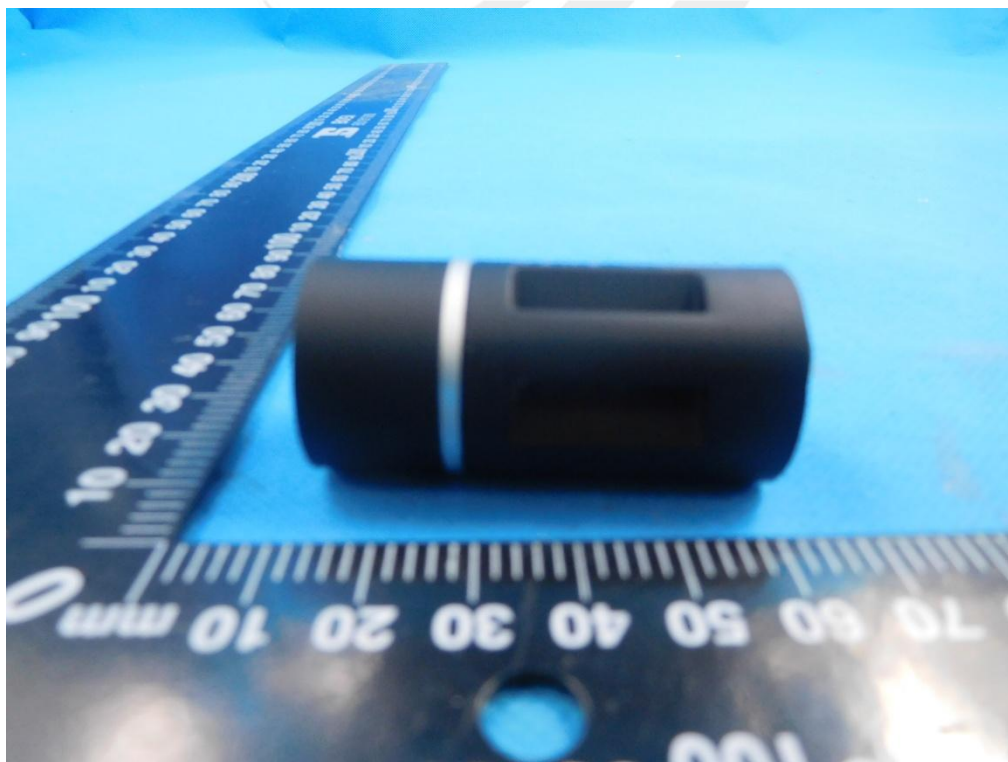
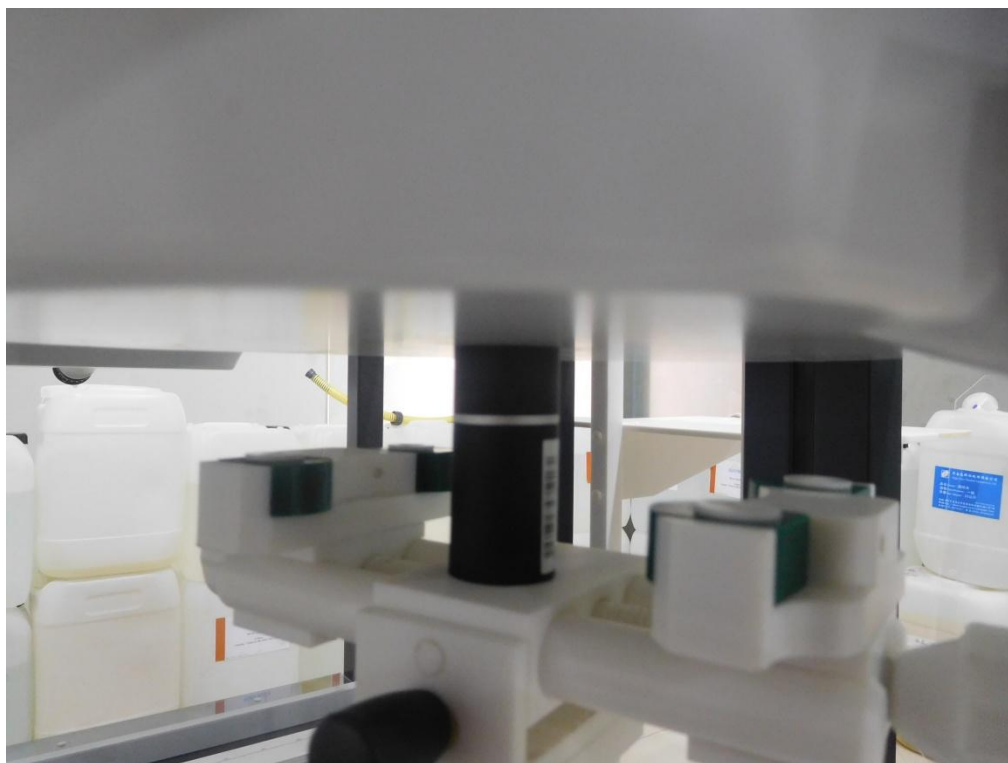


Photo 4

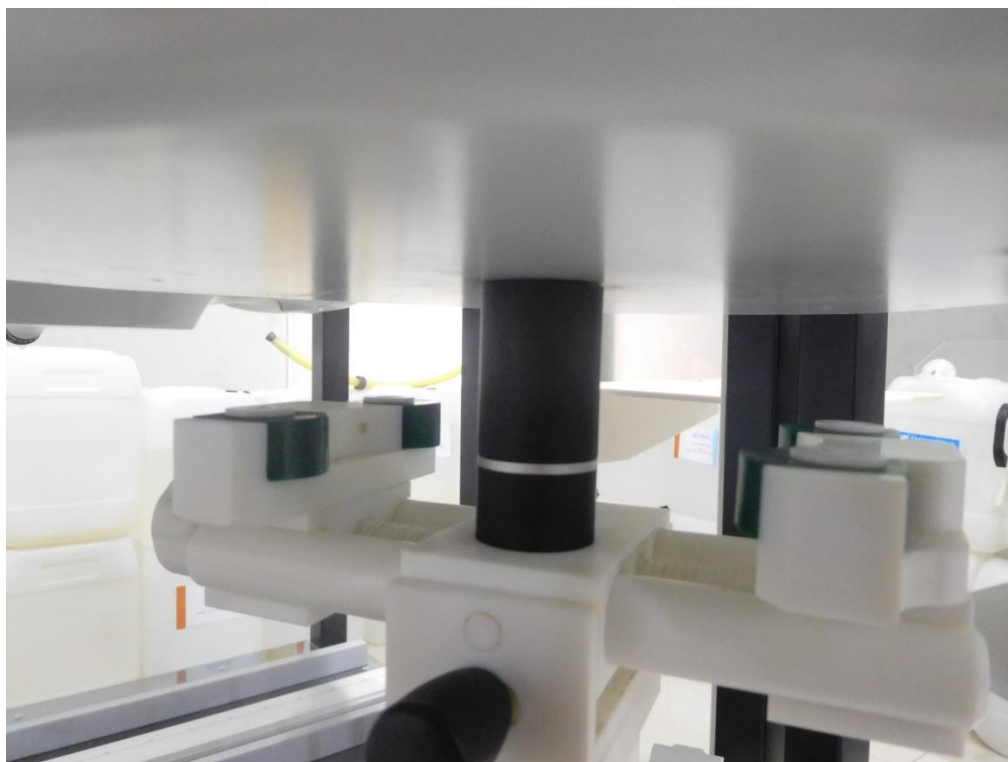


11.2 Setup Photo

Body left side(separation distance is 0mm)



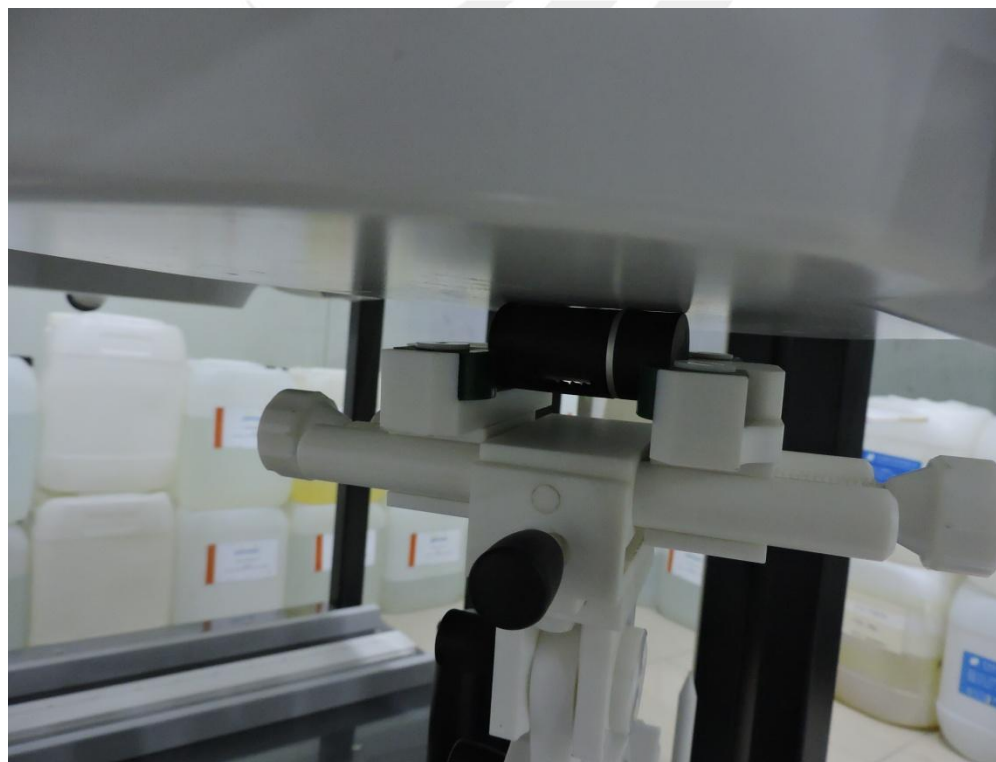
Body right side(separation distance is 0mm)



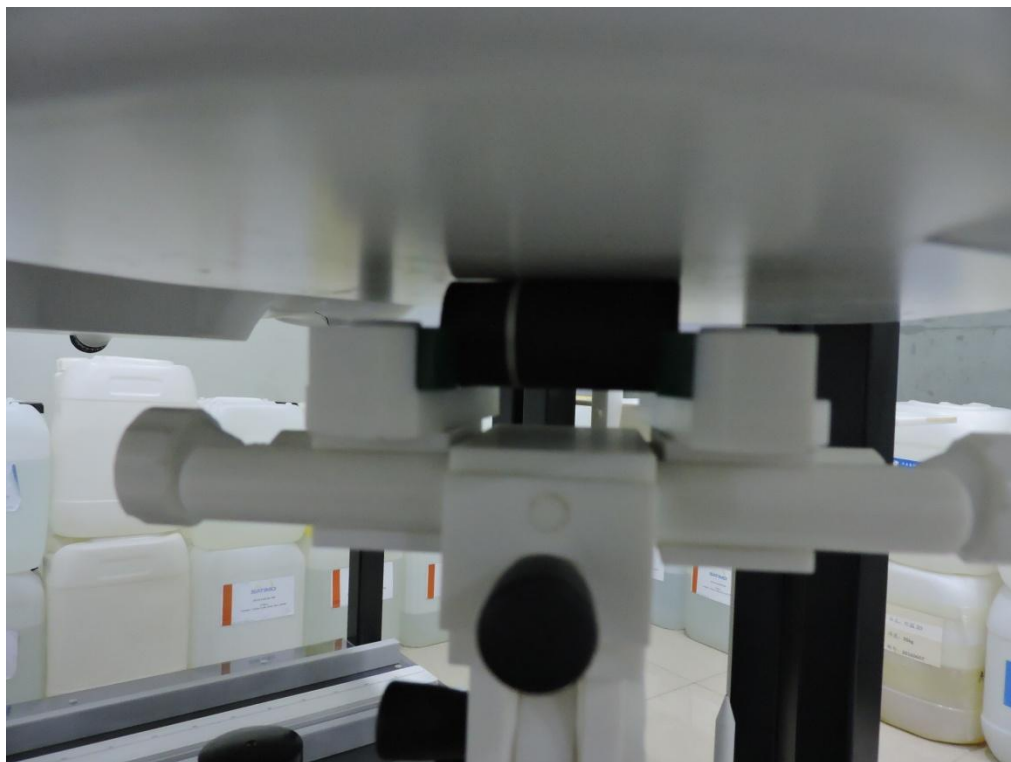
Top side (separation distance is 0mm)



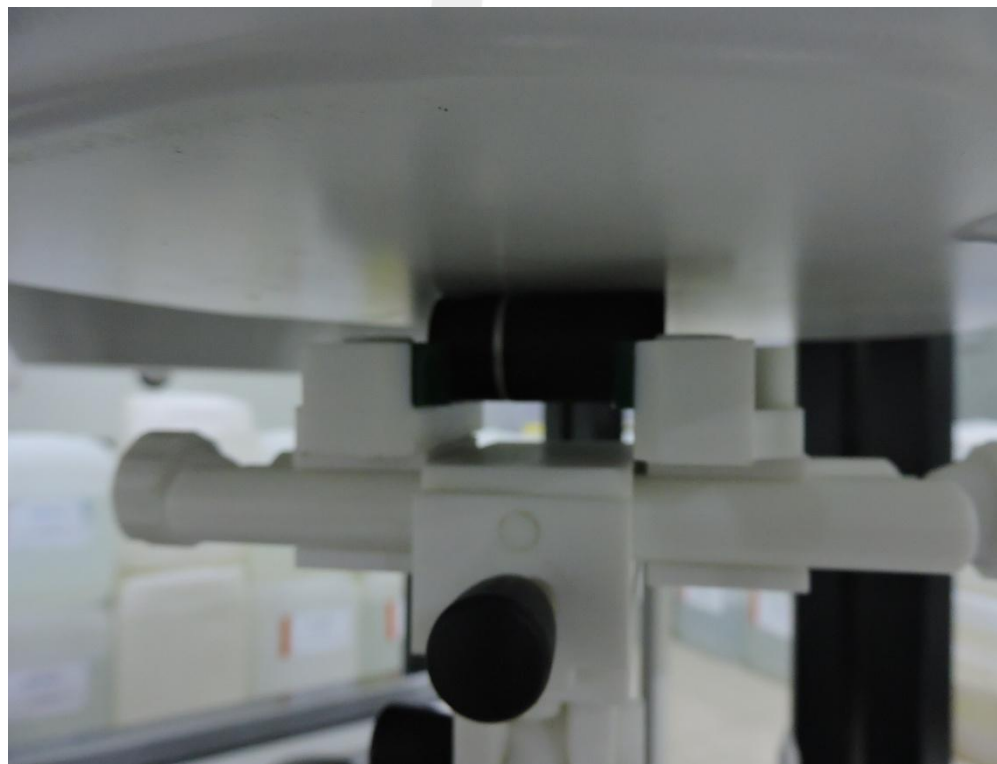
Bottom side (separation distance is 0mm)



Front side (separation distance is 0mm)

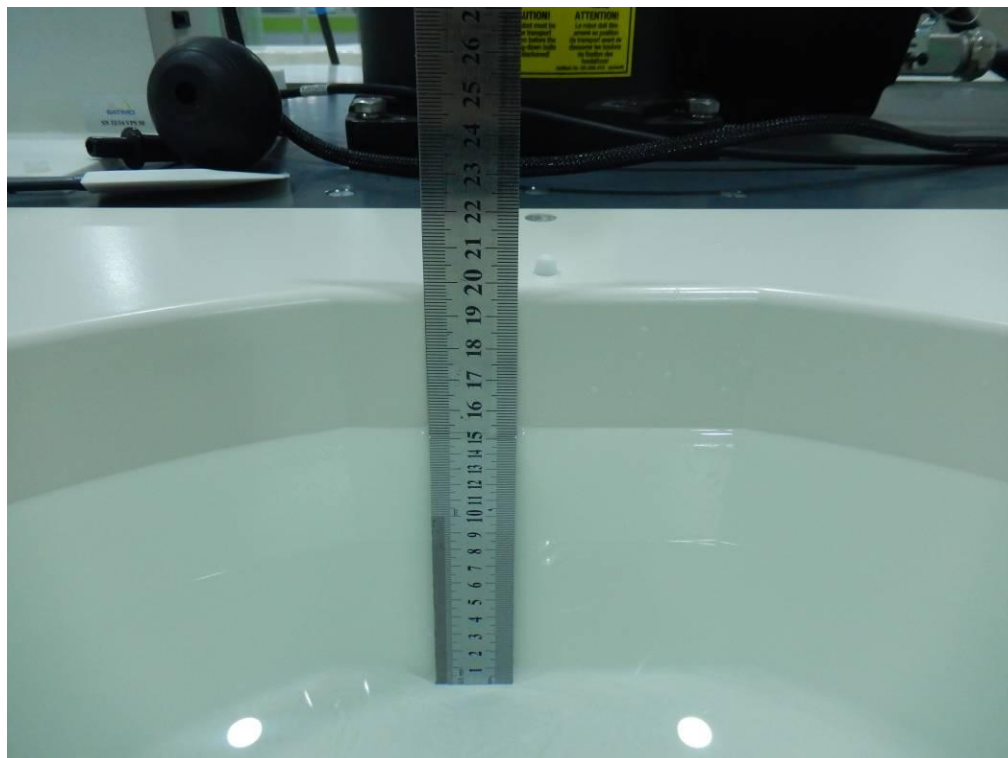


Back side (separation distance is 0mm)





Liquid depth (15 cm)





12. SAR Result Summary

12.1 Body-worn SAR

Band	Mode	Test Position	Ch.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
GSM 850	GPRS Data-2 Slot	Left side	251	0.098	3.09	32	31.72	0.105	/
		Right side	251	0.585	-0.42	32	31.72	0.624	1
		Top side	251	0.216	-2.24	32	31.72	0.230	/
		Bottom side	251	0.024	1.34	32	31.72	0.026	/
		Front side	251	0.113	-2.16	32	31.72	0.121	/
		Back side	251	0.124	-2.54	32	31.72	0.132	/
GSM1900	GPRS Data-3 Slot	Left side	810	0.084	1.77	27	26.54	0.093	/
		Right side	810	0.561	-1.44	27	26.54	0.624	2
		Top side	810	0.201	2.46	27	26.54	0.223	/
		Bottom side	810	0.013	1.02	27	26.54	0.014	/
		Front side	810	0.080	-3.05	27	26.54	0.089	/
		Back side	810	0.064	-2.11	27	26.54	0.071	/
WCDMA Band II	RMC	Left side	9400	0.076	-0.54	25	24.66	0.082	/
		Right side	9400	0.509	-4.00	25	24.66	0.550	3
		Top side	9400	0.197	3.12	25	24.66	0.213	/
		Bottom side	9400	0.009	-0.59	25	24.66	0.010	/
		Front side	9400	0.065	-0.36	25	24.66	0.070	/
		Back side	9400	0.054	2.18	25	24.66	0.058	/
WCDMA Band V	RMC	Left side	4132	0.066	-2.89	23	22.80	0.069	/
		Right side	4132	0.485	-0.23	23	22.80	0.508	4
		Top side	4132	0.154	1.66	23	22.80	0.161	/
		Bottom side	4132	0.008	0.96	23	22.80	0.008	/
		Front side	4132	0.047	2.45	23	22.80	0.049	/
		Back side	4132	0.035	-3.14	23	22.80	0.037	/

Band	Mode	Test Position	Ch.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Duty cycle(%)	Scaled SAR (W/Kg)	Meas. No.
WIFI	802.11b	Left side	6	0.009	2.16	19	18.54	100	0.010	/
		Right side	6	0.260	-0.90	19	18.54	100	0.289	5
		Top side	6	0.098	-0.34	19	18.54	100	0.109	/
		Bottom side	6	0.006	-2.11	19	18.54	100	0.008	/
		Front side	6	0.018	-0.69	19	18.54	100	0.025	/
		Back side	6	0.014	-2.43	19	18.54	100	0.020	/

Note:

1. The test separation of all above table is 0mm.
2. Per KDB 248227- When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg. (The highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power was **0.169** W/Kg for Body)
3. When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.
4. Different transmission modes, under the same operating frequency to reduce the lower power mode test, does not affect the worst situation



5. In this test reduction protocol, the decision to apply the complete measurement procedure ("full SAR measurement") is taken after looking at peak SAR values measured from the area scan (not the final peak spatial-average SAR). Moreover, a threshold value is necessary since the goal is to avoid the zoom scan for some particular measurement configurations as well as the applicability of a particular fast SAR algorithm to estimate the peak spatial-average SAR.

Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

Position	Simultaneous state
Body	1. GSM + WIFI
	2. GSM + Bluetooth
	3. WCDMA + WIFI
	4. WCDMA + Bluetooth

NOTE:

1. Bluetooth and WIFI can't simultaneous transmission at the same time.
2. For simultaneous transmission at head and body exposure position, 2 transmitters simultaneous transmission was the worst state.
3. Based upon KDB 447498 D01 v05, BT SAR is excluded as below table.
4. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
5. For minimum test separation distance $\leq 50\text{mm}$, Bluetooth standalone SAR is excluded according to $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f} (\text{GHz}) / x] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
6. The reported SAR summation is calculated based on the same configuration and test position.
7. KDB 447498 / 4.3.2 (2) when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:
 - a) $(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f} (\text{GHz}) / x] \text{ W/kg}$ for test separation distances $\leq 50 \text{ mm}$; Where $x = 7.5$ for 1-g SAR, and $x = 18.75$ for 10-g SAR.
 - b) 0.4W/Kg for 1-g SAR and 1.0W/Kg for 10-g SAR, when the separation distance is $>50\text{mm}$.

Estimated SAR		Maximum Power		Antenna to user(mm)	Frequency(GHz)	Stand alone SAR(1g) [W/kg]
		dBm	mW			
BT	Body	2	1.585	5	2.480	0.067



Simultaneous Mode	Position	Mode	Max. 1-g SAR (W/kg)	1-g Sum SAR (W/kg)
GSM + WIFI	Body	GSM Data	0.624	0.913
		WIFI	0.289	
GSM + Bluetooth	Body	GSM Data	0.624	0.691
		Bluetooth	0.067	
WCDMA + WIFI	Body	GSM Data	0.550	0.839
		WIFI	0.289	
WCDMA + Bluetooth	Body	GSM Data	0.550	0.617
		Bluetooth	0.067	

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 SPLSR.



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
835MHz Dipole	SATIMO	SID835	SN 30/14 DIP0G835-332	2014.09.01	2017.08.31
1900MHz Dipole	SATIMO	SID1900	SN 30/14 DIP1G900-333	2014.09.01	2017.08.31
2450MHzDipole	SATIMO	SID2450	SN 30/14 DIP2G450-335	2014.09.01	2017.08.31
Antenna	SATIMO	ANTA3	SN 07/13 ZNTA52	2014.09.01	2017.08.31
Waveguide	SATIMO	SWG5500	SN 13/14 WGA32	2014.09.01	2017.08.31
E-Field Probe	MVG	SSE5	SN 14/16 EP309	2016.12.05	2017.12.04
Phantom1	SATIMO	SAM	SN 32/14 SAM115	N/A	N/A
Phantom2	SATIMO	SAM	SN 32/14 SAM116	N/A	N/A
SAR TEST BENCH	SATIMO	MOBILE PHONE POSITIONNIN G SYSTEM	SN 32/14 MSH97	N/A	N/A
SAR TEST BENCH	SATIMO	LAPTOP POSITIONNIN G SYSTEM	SN 32/14 LSH29	N/A	N/A
Dielectric Probe Kit	SATIMO	SCLMP	SN 32/14 OCPG52	2016.08.30	2017.08.29
Multi Meter	Keithley	Multi Meter 2000	4050073	2016.10.23	2017.10.22
Signal Generator	Agilent	N5182A	MY50140530	2016.10.23	2017.10.22
Power Meter	R&S	NRP	100510	2016.10.23	2017.10.22
Power Meter	HP	EPM-442A	GB37170267	2016.10.23	2017.10.22
Power Sensor	R&S	NRP-Z11	101919	2016.10.23	2017.10.22
Power Sensor	HP	8481A	2702A65976	2016.10.23	2017.10.22
Power Sensor	R&S	NRP-Z21	103971	2016.10.23	2017.10.22
Network Analyzer	Agilent	5071C	EMY46103472	2016.10.23	2017.10.22
Attenuator 1	PE	PE7005-10	N/A	2016.10.23	2017.10.22
Attenuator 2	PE	PE7005-3	N/A	2016.10.23	2017.10.22
Attenuator 3	Woken	WK0602-XX	N/A	2016.10.23	2017.10.22
Dual Directional Coupler	Agilent	778D	50422	2016.10.23	2017.10.22



Appendix A. System Validation Plots

System Performance Check Data (835MHz Body)

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017-03-17

Measurement duration: 14 minutes 13 seconds

Experimental conditions.

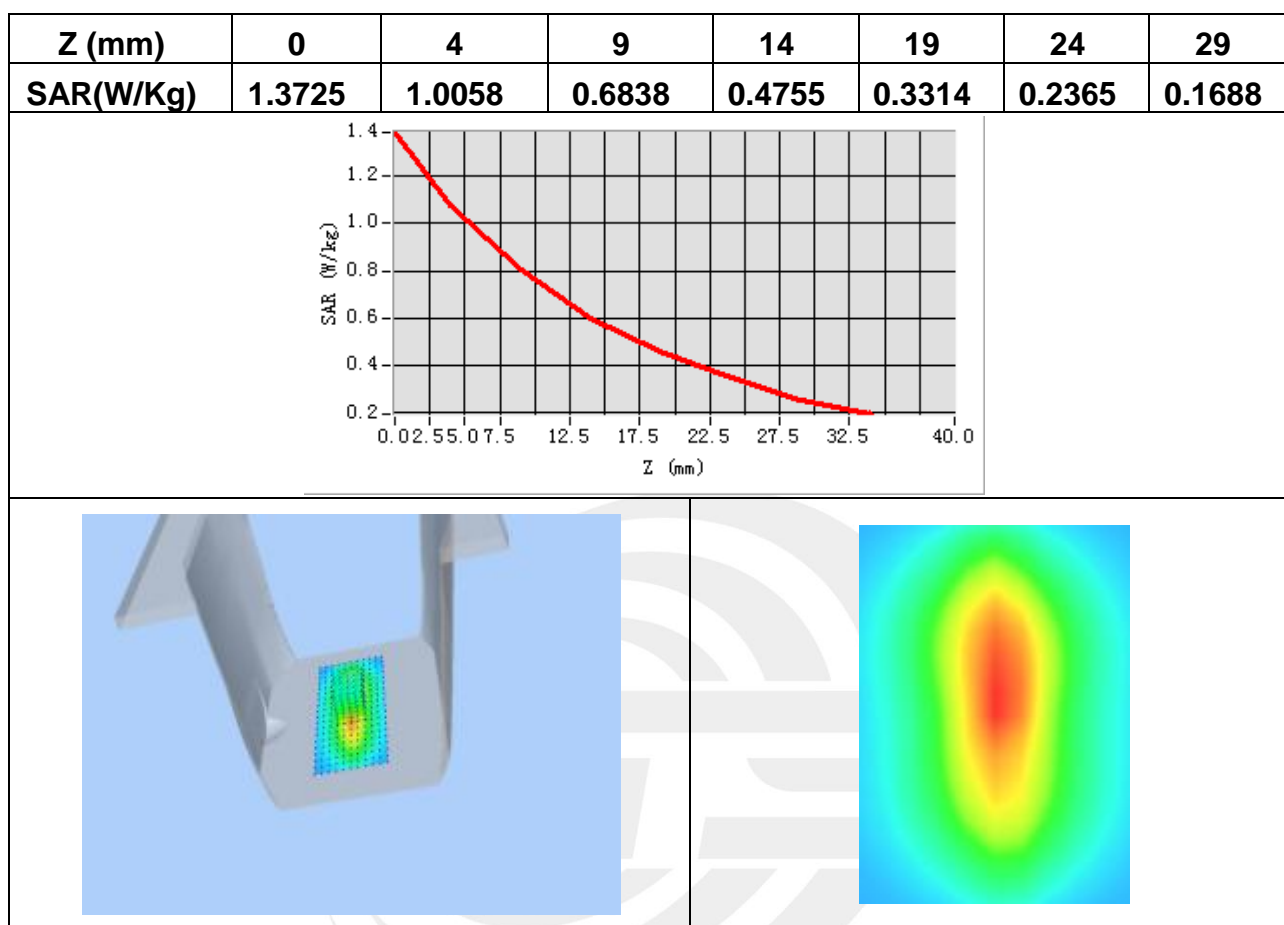
Probe	
Phantom	Validation plane
Device Position	-
Band	835MHz
Channels	-
Signal	CW
Frequency (MHz)	835MHz
Relative permittivity (real part)	54.12
Relative permittivity	21.408187
Conductivity (S/m)	0.95
Power drift (%)	0.090000
Probe	SN 14/16 EP309
ConvF:	5.90
Crest factor:	1:1

Maximum location: X=1.00, Y=0.00

SAR Peak: 1.45 W/kg

SAR 10g (W/Kg)	0.613913
SAR 1g (W/Kg)	0.941052

Z Axis Scan



**System Performance Check Data (1900MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

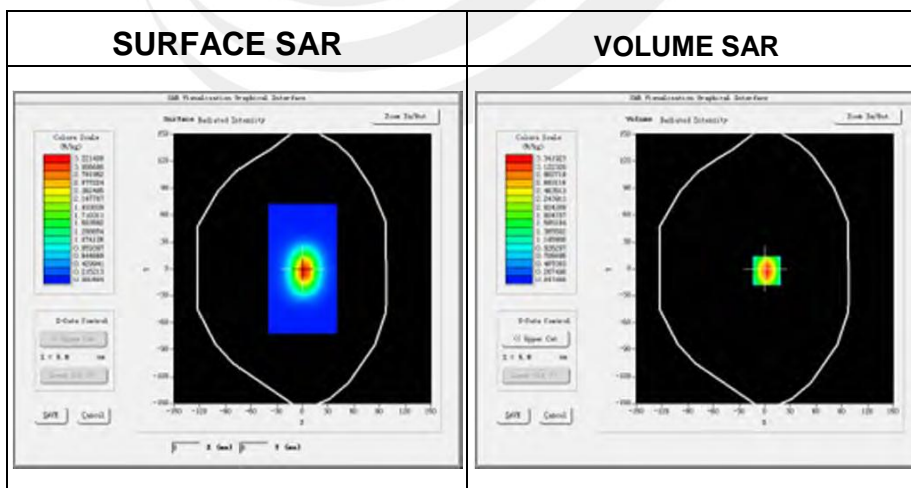
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017-03-17

Measurement duration: 14 minutes 46 seconds

Experimental conditions.

Device Position	-
Band	1900MHz
Channels	-
Signal	CW
Frequency (MHz)	1900
Relative permittivity (real part)	53.21
Relative permittivity	12.87531
Conductivity (S/m)	1.50
Power drift (%)	0.37
Probe	SN 14/16 EP309
ConvF:	5.67
Crest factor:	1:1



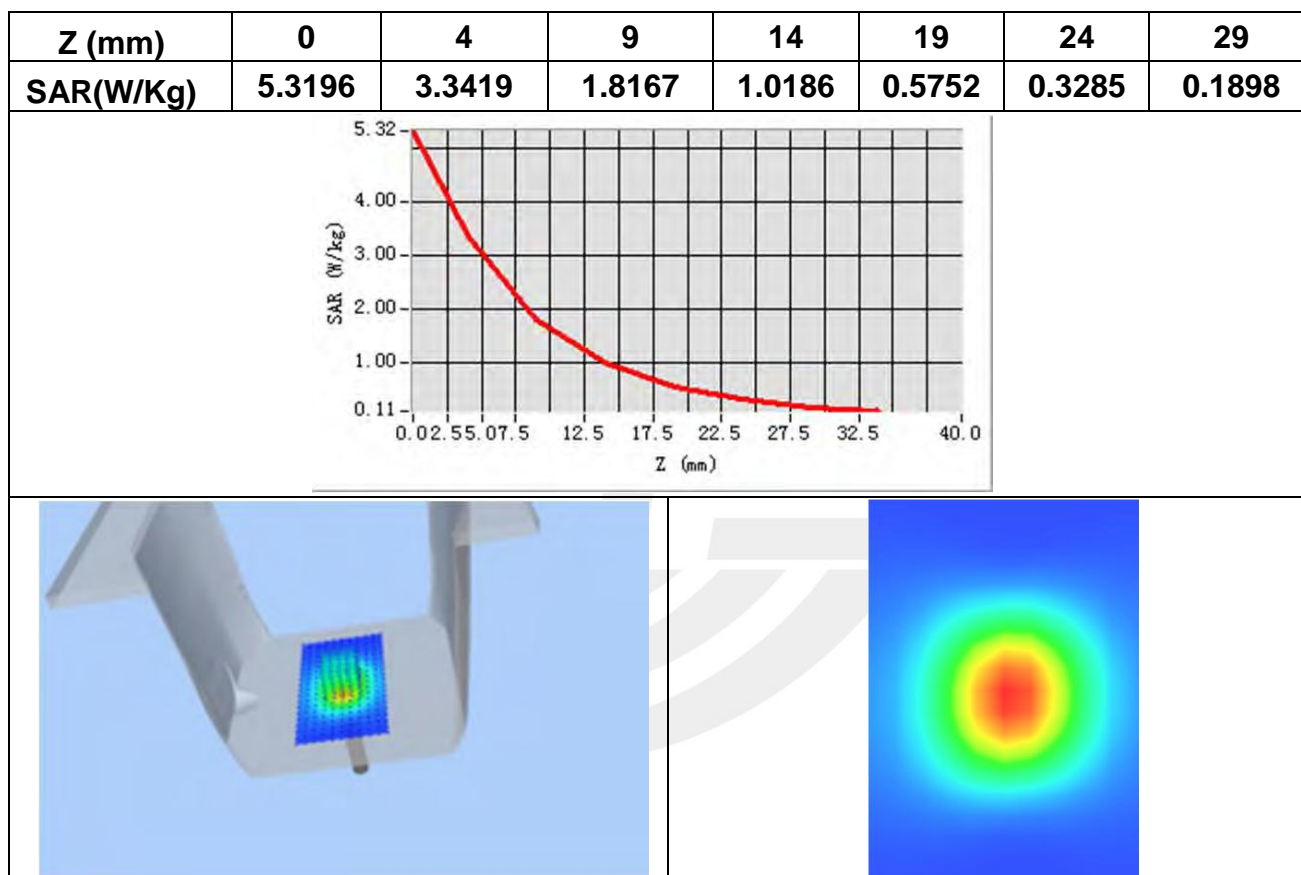


Maximum location: X=2.00, Y=2.00

SAR Peak: 5.30 W/kg

SAR 10g (W/Kg)	2.383383
SAR 1g (W/Kg)	4.160721

Z Axis Scan



**System Performance Check Data (2450MHz Body)**

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm

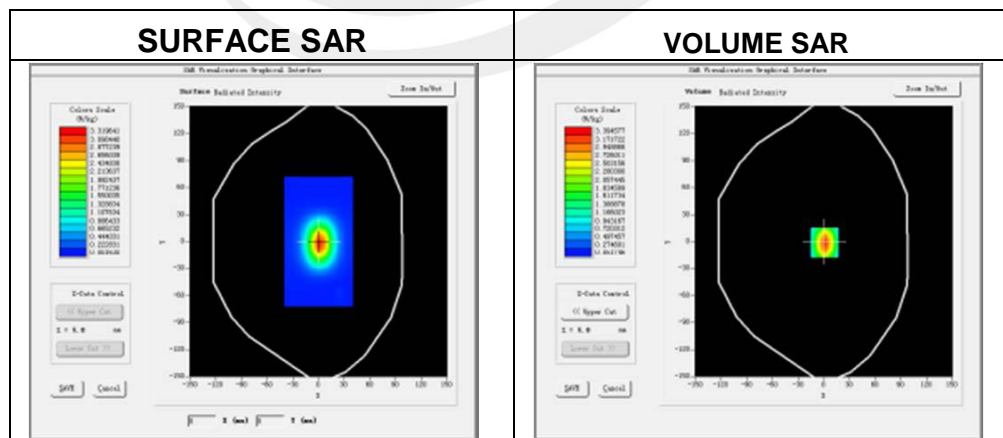
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm

Date of measurement: 2017-03-17

Measurement duration: 14 minutes 23 seconds

Experimental conditions.

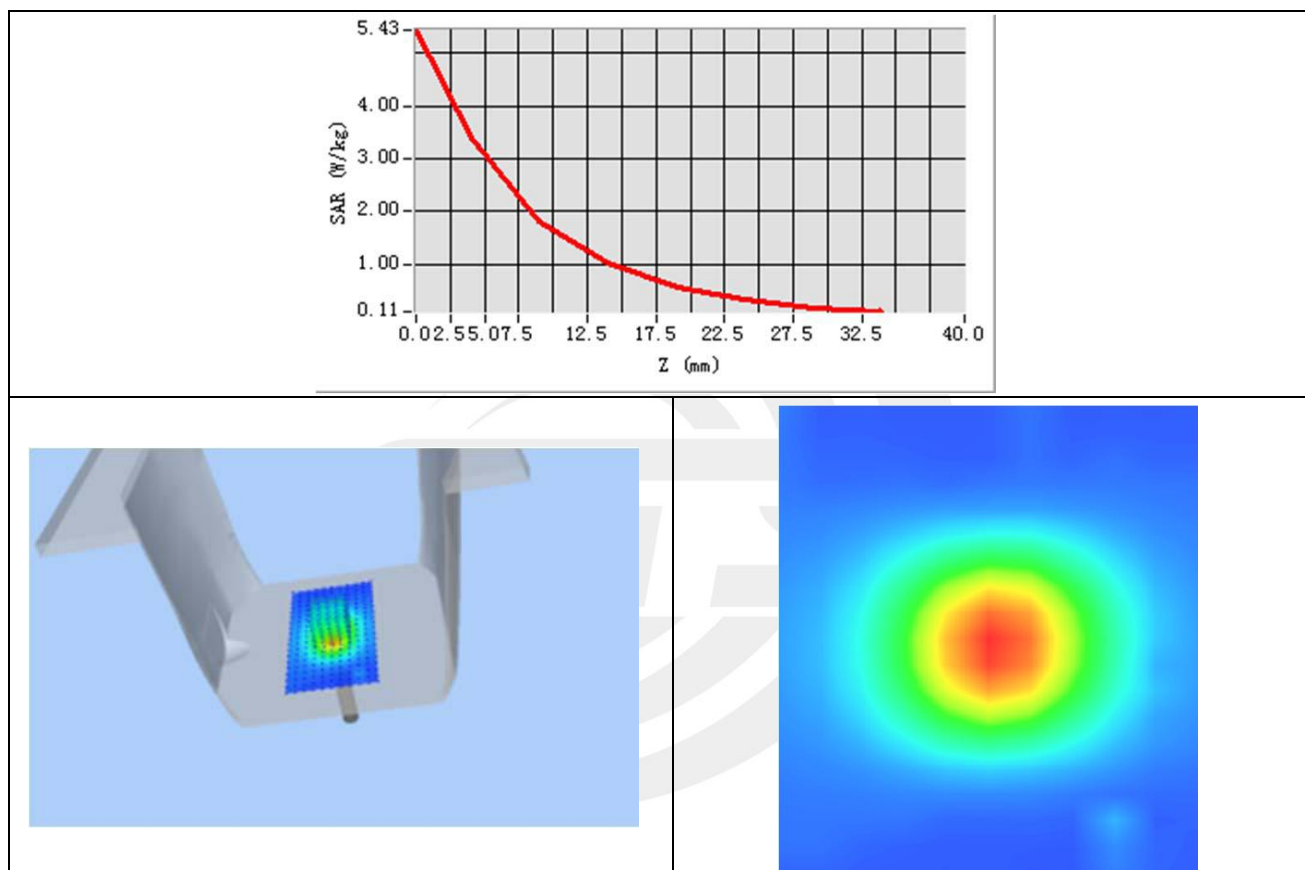
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity (real part)	52.41
Relative permittivity	12.930000
Conductivity (S/m)	1.93
Power drift (%)	-1.200000
Probe	SN 14/16 EP309
ConvF	5.24
Crest factor:	1:1



Maximum location: X=3.00, Y=1.00

SAR 10g (W/Kg)	2.338810
SAR 1g (W/Kg)	5.316861

Z Axis Scan



Appendix B. SAR Test Plots

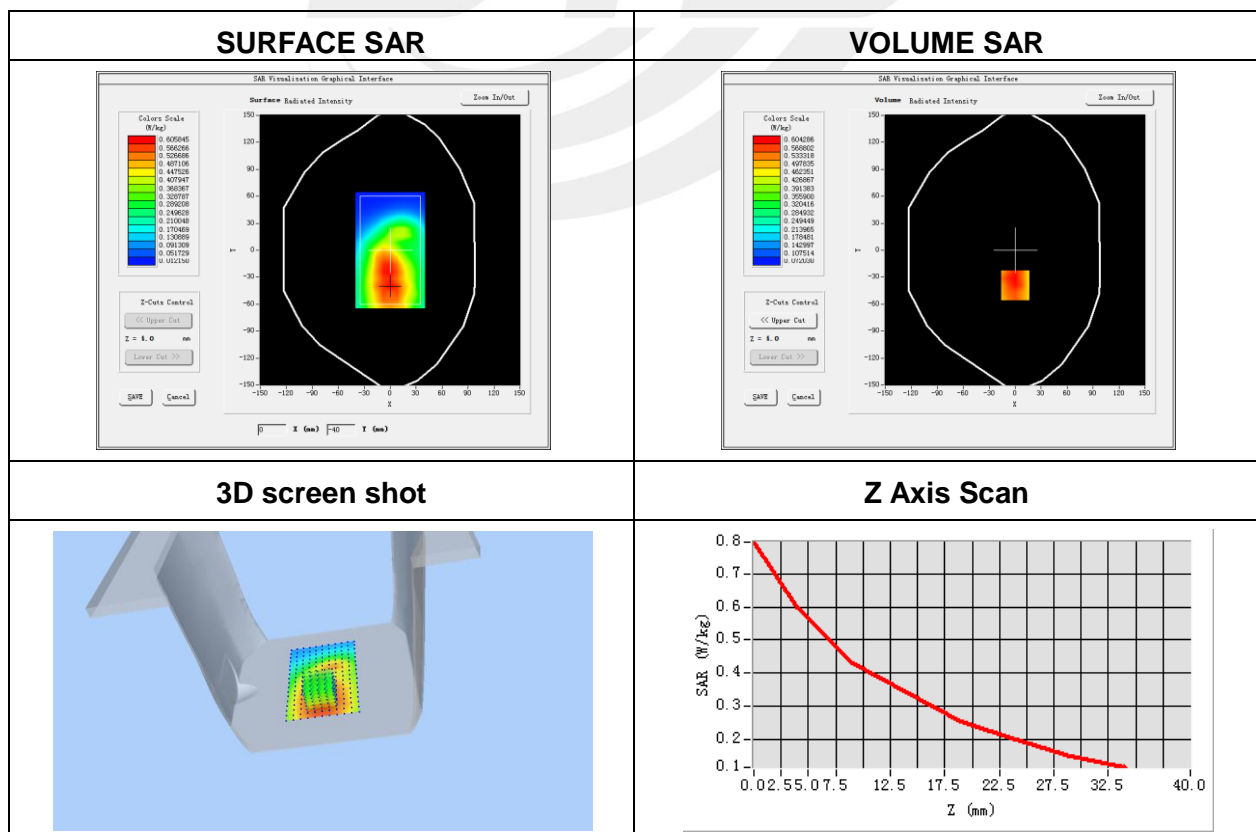
Plot 1: DUT: Pod 3 GPS Tracker and Activity Monitor; EUT Model: POD-003

Test Date	2017-03-17
Probe	SN 14/16 EP309
ConvF	5.90
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back side
Band	GPRS 850
Channels	High
Signal	Duty Cycle: 1:2.00 (Crest factor: 2.0)
Frequency (MHz)	848.8
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	-0.42

Maximum location: X=0.00, Y=-39.00

SAR Peak: 0.79 W/kg

SAR 10g (W/Kg)	0.318944
SAR 1g (W/Kg)	0.584698



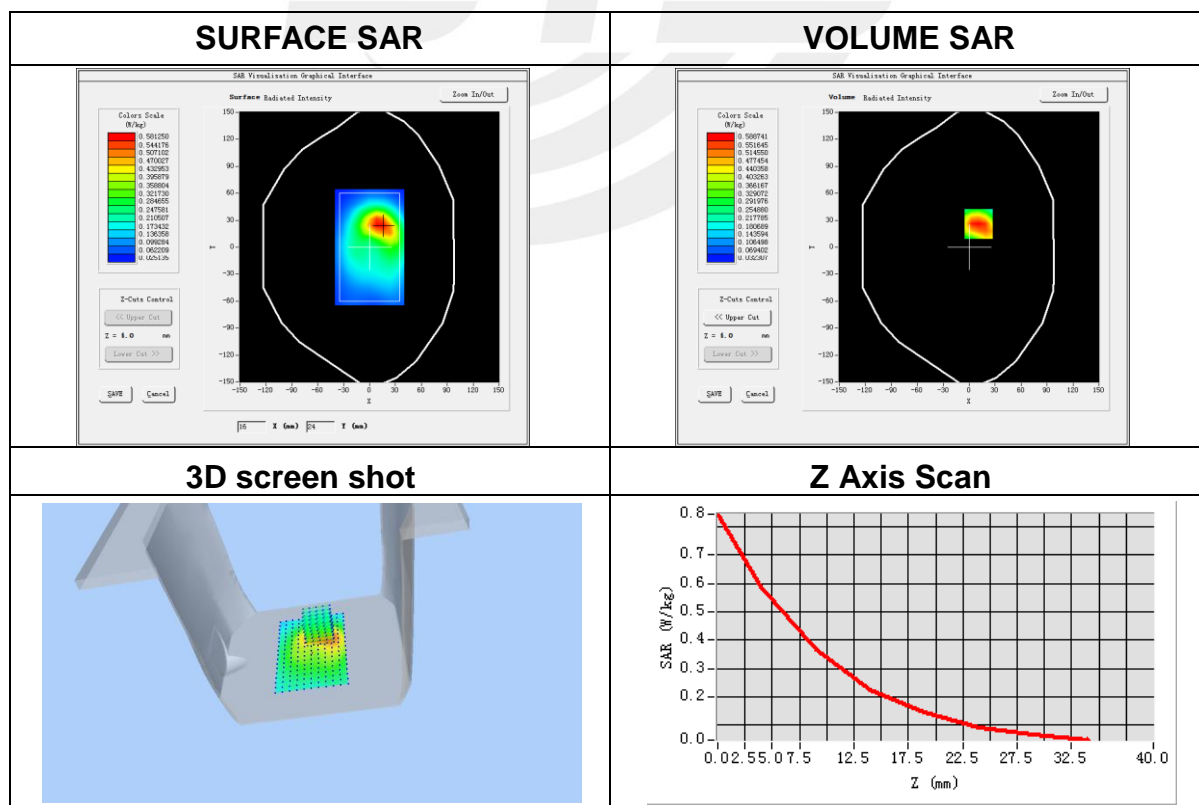
Plot 2: DUT: Pod 3 GPS Tracker and Activity Monitor; EUT Model: POD-003

Test Date	2017-03-17
Probe	SN 14/16 EP309
ConvF	5.67
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back side
Band	GPRS 1900
Channels	High
Signal	Duty Cycle: 1:2.00 (Crest factor: 2.0)
Frequency (MHz)	1909.8
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-1.44

Maximum location: X=11.00, Y=26.00

SAR Peak: 0.90 W/kg

SAR 10g (W/Kg)	0.322612
SAR 1g (W/Kg)	0.560988



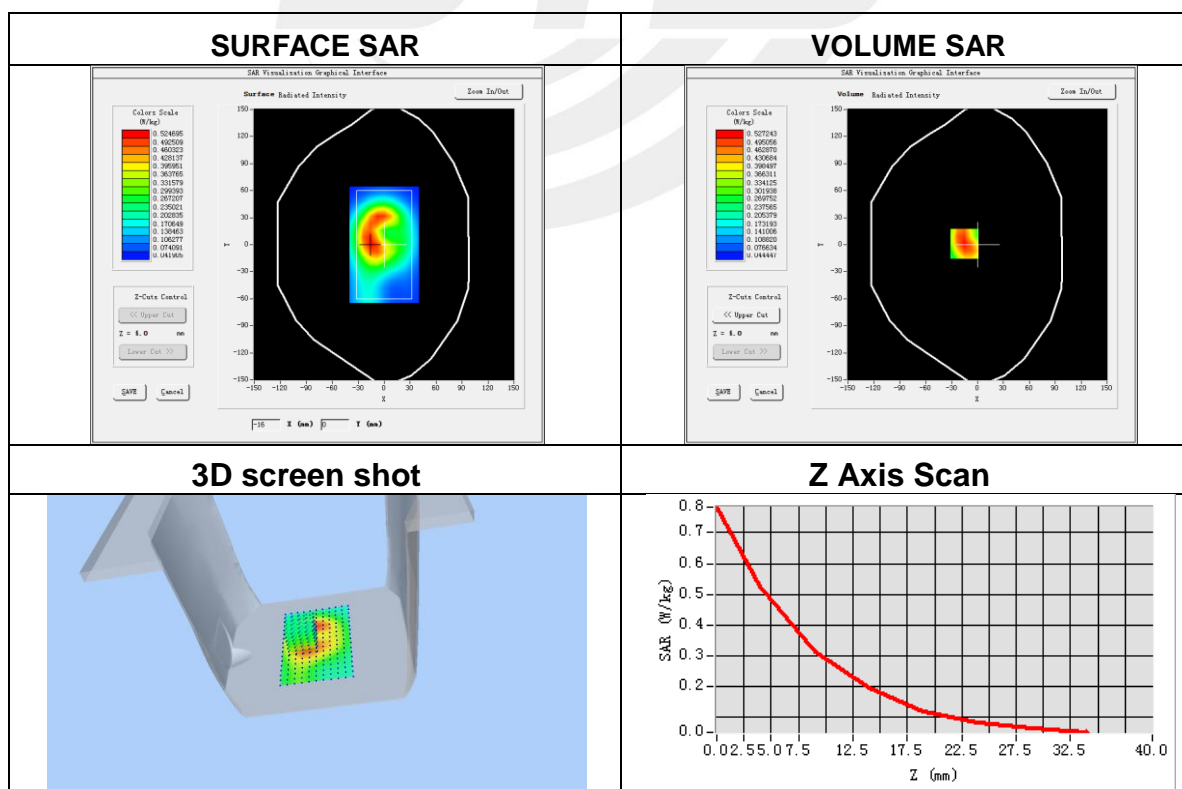
Plot 3: DUT: Pod 3 GPS Tracker and Activity Monitor; EUT Model: POD-003

Test Date	2017-03-17
Probe	SN 14/16 EP309
ConvF	5.67
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back side
Band	WCDMA II
Channels	Middle
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880.0
Relative permittivity (real part)	39.71
Conductivity (S/m)	1.40
Variation (%)	-4.00

Maximum location: X=-15.00, Y=1.00

SAR Peak: 0.79 W/kg

SAR 10g (W/Kg)	0.299329
SAR 1g (W/Kg)	0.508839



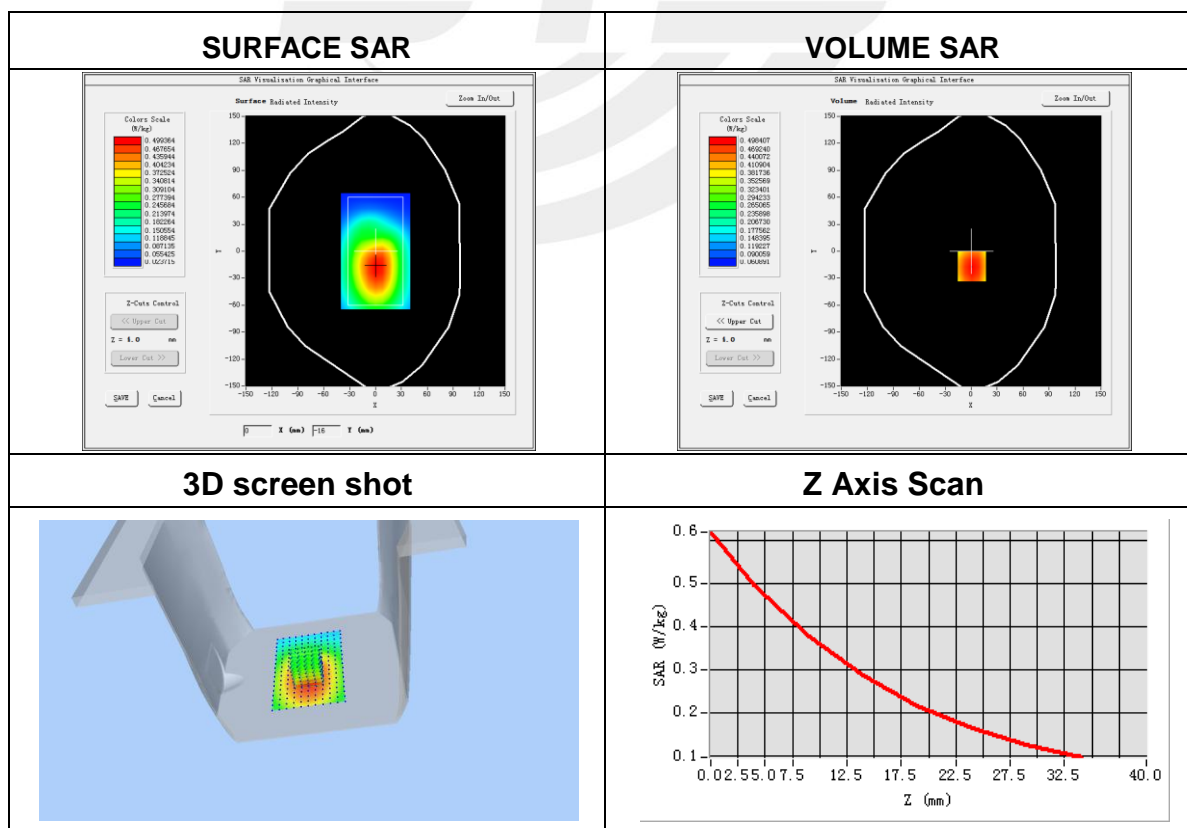
Plot 4: DUT: Pod 3 GPS Tracker and Activity Monitor; EUT Model: POD-003

Test Date	2017-03-17
Probe	SN 14/16 EP309
ConvF	5.90
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7,dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back side
Band	WCDMA V
Channels	Low
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	55.5
Conductivity (S/m)	0.96
Variation (%)	-0.23

Maximum location: X=1.00, Y=-17.00

SAR Peak: 0.62 W/kg

SAR 10g (W/Kg)	0.352616
SAR 1g (W/Kg)	0.485313



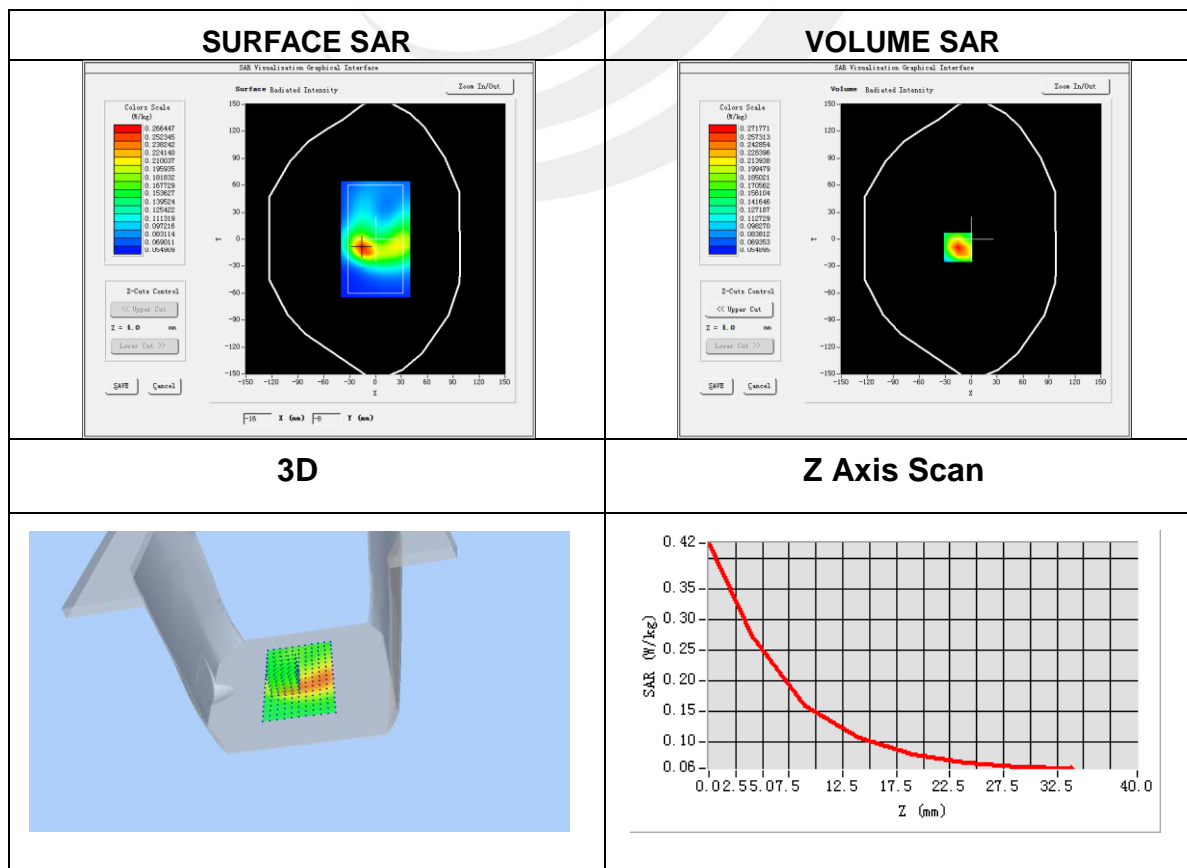

Plot 5: DUT: Pod 3 GPS Tracker and Activity Monitor; EUT Model: POD-003

Test Date	2017-03-17
Probe	SN 14/16 EP309
ConvF	5.24
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Body back side
Band	IEEE 802.11b ISM
Channels	Middle
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2437
Relative permittivity (real part)	52.40
Conductivity (S/m)	1.94
Variation (%)	-0.90

Maximum location: X=-15.00, Y=-9.00

SAR Peak: 0.43 W/kg

SAR 10g (W/Kg)	0.151332
SAR 1g (W/Kg)	0.260048





Appendix C. Probe Calibration And Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※

