Annex D Plots of Maximum SAR Test Results

MEASUREMENT 1

Type: Phone measurement (Complete)

Parameter area scan=step 12 mm

Parameter zoom scan=dx=5mm, dy=5mm, dz=4mm

Date of measurement: 2019.03.18

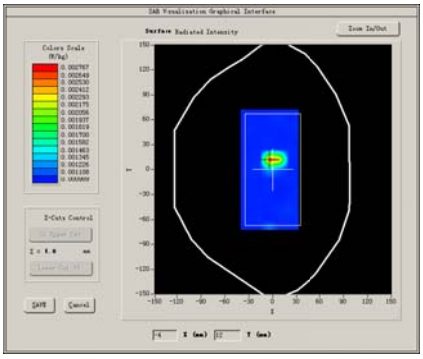
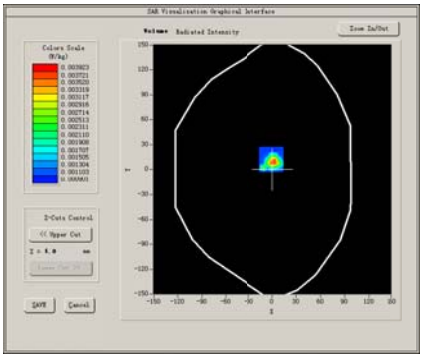
Measurement duration: 16 minutes 49 seconds

A. Experimental Conditions.

Phantom	Body
Device	Plane
Band	IEEE 802.11b ISM
Channels	HIGH
Signal	IEEE 802.b

B. SAR Measurement Results.

Channel	11
Frequency (MHz)	2462.0
Relative permittivity (real part)	52.688
Conductivity (S/m)	1.973
Power drift (%)	-1.42
Ambient Temperature:	22.7°C
Liquid Temperature:	22.2°C
ConvF:	4.96
Duty Cycle:	1:1.0

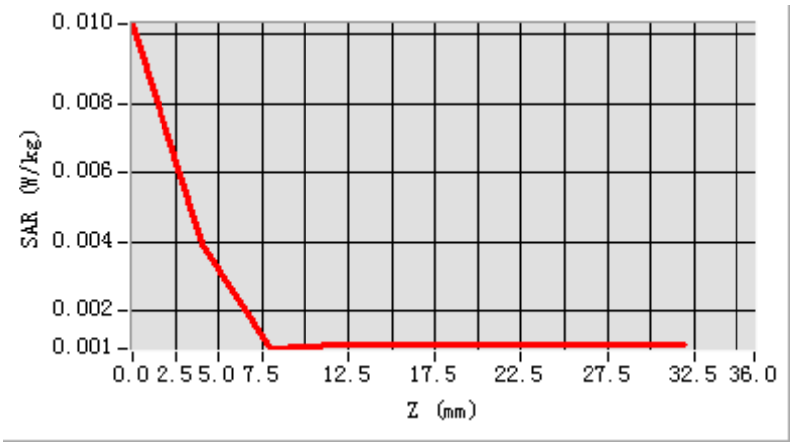
SURFACE SAR	VOLUME SAR
	

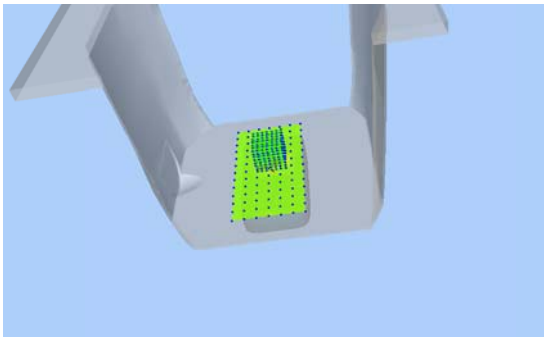
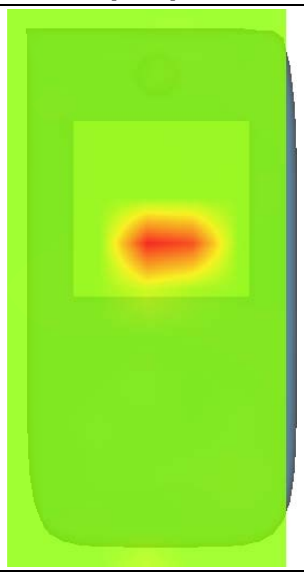
Maximum location: X=-1.000000 Y=12.000000

SAR Peak: 0.009823 W/kg

SAR 10g (W/Kg)	0.015971
SAR 1g (W/Kg)	0.038365

Z (mm)	0.00	4.00	8.00	12.00	16.00	20.00	24.00	28.00
SAR (W/Kg)	0.010317	0.003923	0.000914	0.001025	0.001022	0.001018	0.001003	0.001015



3D screen shot	**Hot spot positio**
	

MEASUREMENT 2

Type: Phone measurement (Complete)

Parameter area scan=step 10 mm

Parameter zoom scan=dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2019.03.18

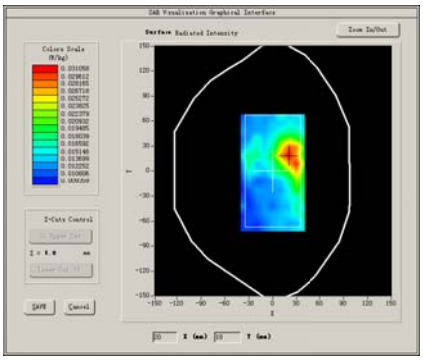
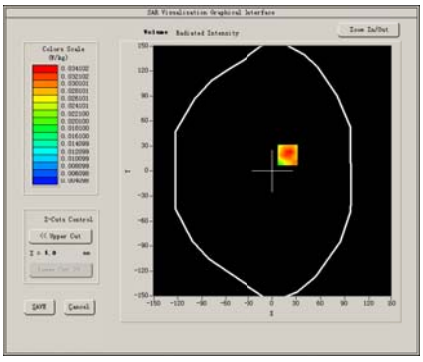
Measurement duration: 17 minutes 42 seconds

A. Experimental Conditions.

Phantom	Body
Device	Plane
Band	IEEE 802.11a U-NII
Channels	HIGH
Signal	IEEE 802.a

B. SAR Measurement Results.

Channel	48
Frequency (MHz)	5240.0
Relative permittivity (real part)	48.903
Conductivity (S/m)	5.606
Power drift (%)	-2.67
Ambient Temperature:	21.1°C
Liquid Temperature:	22.8°C
ConvF:	22.11
Duty Cycle:	1:1.0

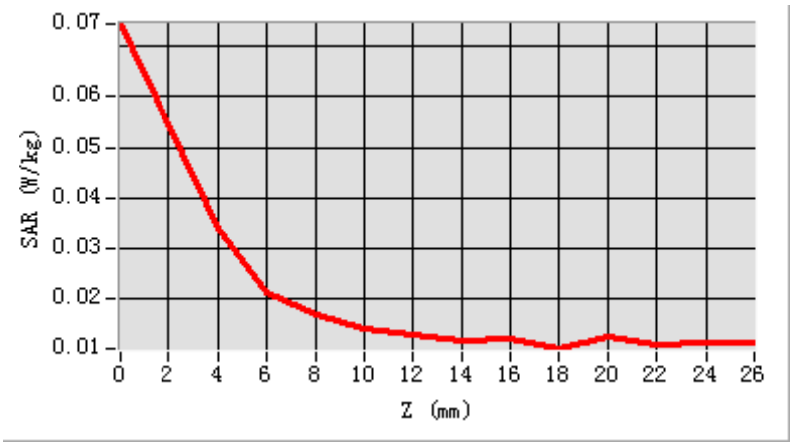
SURFACE SAR	VOLUME SAR
	

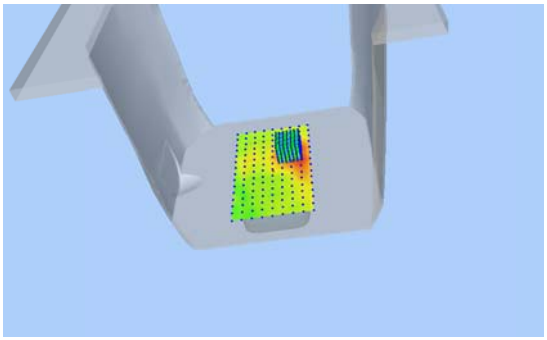
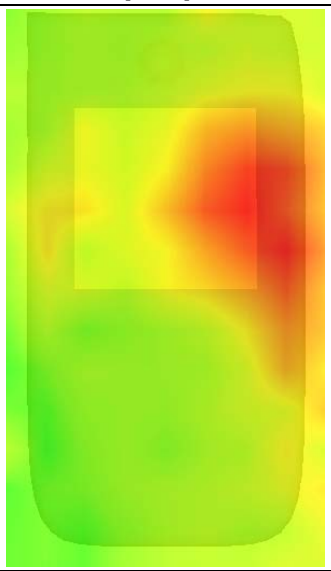
Maximum location: X=19.000000 Y=19.000000

SAR Peak: 0.068852 W/kg

SAR 10g (W/Kg)	0.022099
SAR 1g (W/Kg)	0.035788

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.074356	0.034102	0.021395	0.017039	0.014249	0.013172	0.011814	0.012035



3D screen shot	**Hot spot positio**
	

MEASUREMENT 3

Type: Phone measurement (Complete)

Parameter area scan=step 10 mm

Parameter zoom scan=dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2019.03.18

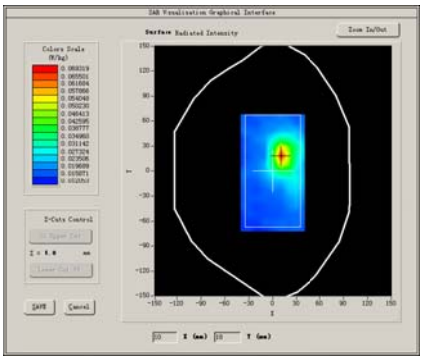
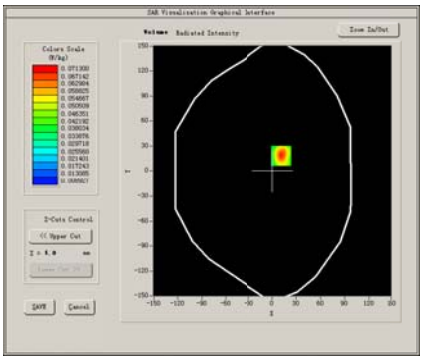
Measurement duration: 18 minutes 4 seconds

A. Experimental Conditions.

Phantom	Body
Device	Plane
Band	IEEE 802.11a U-NII
Channels	HIGH
Signal	IEEE 802.a

B. SAR Measurement Results.

Channel	165
Frequency (MHz)	5825.0
Relative permittivity (real part)	47.999
Conductivity (S/m)	6.001
Power drift (%)	0.87
Ambient Temperature:	21.3°C
Liquid Temperature:	22.8°C
ConvF:	23.02
Duty Cycle:	1:1.0

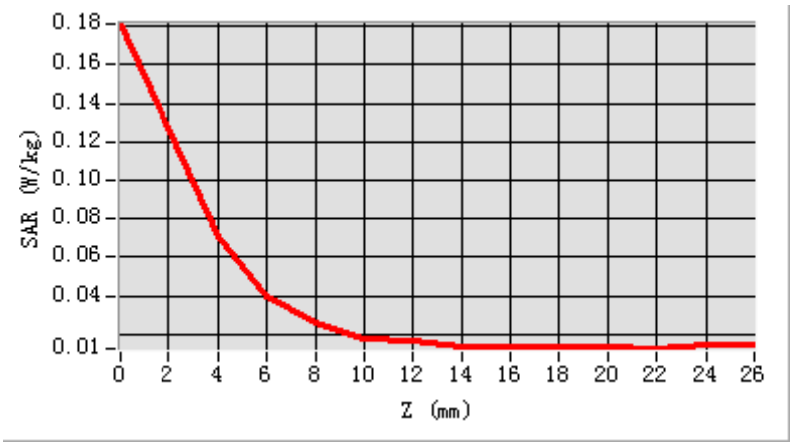
SURFACE SAR	VOLUME SAR
	

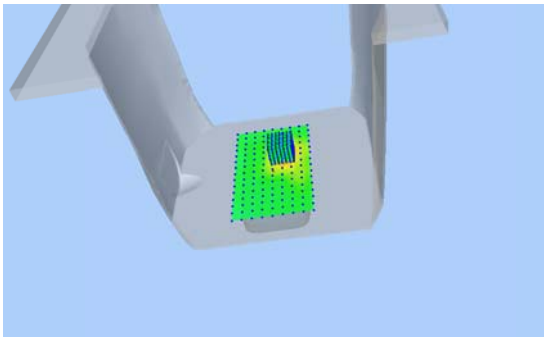
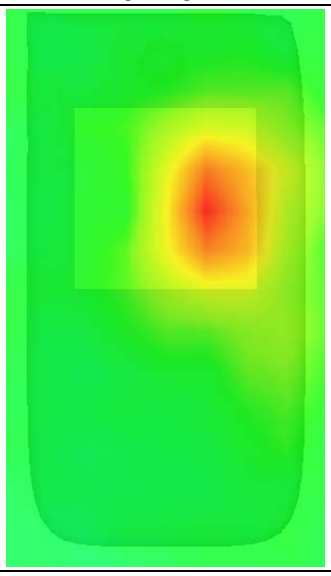
Maximum location: X=11.000000 Y=18.000000

SAR Peak: 0.175955 W/kg

SAR 10g (W/Kg)	0.037419
SAR 1g (W/Kg)	0.075575

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.181125	0.071300	0.040101	0.026097	0.018295	0.016823	0.013874	0.013517



3D screen shot	**Hot spot positio**
	

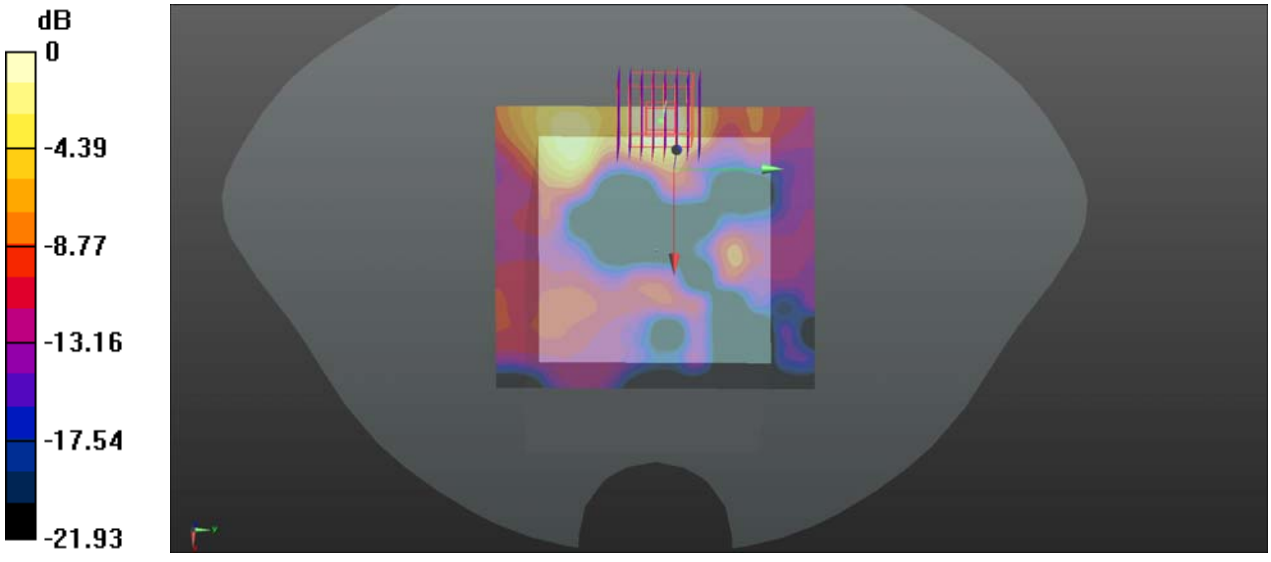
WLAN 5.8GHz_802.11a 6Mbps_Top Side_0mm_Ch165

Communication System: UID 0, WLAN 5GHz (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium: HSL_5750 Medium parameters used: f = 5825 MHz; σ = 5.388 S/m; ε_r = 35.018; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3753; ConvF(4.65, 4.65, 4.65) @ 5825 MHz; Calibrated: 2021.07.26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2021.12.30
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165/Area Scan (101x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.179 W/kg

Ch165/Zoom Scan (8x8x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.029 W/kg
Maximum value of SAR (measured) = 0.143 W/kg



0 dB = 0.143 W/kg