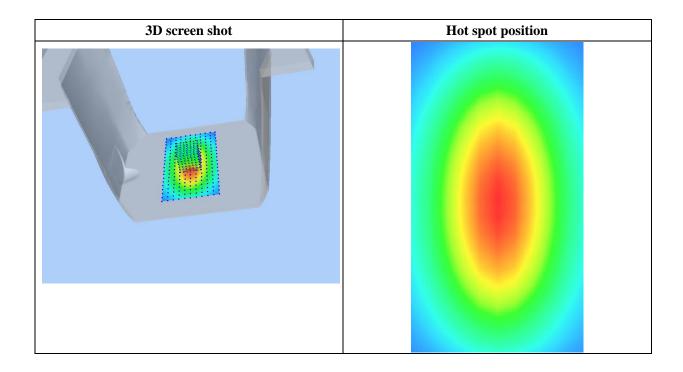


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	5.134651
SAR 1g (W/Kg)	9.781550

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	10.2031	6.43001	4.9011	4.5325	3.1201	2.5024
(W/Kg)							
	10.30 9.25 — 7.60 WW) 6.21 84.70 4.70 3.00 2.00	0-	7.5 10.0 12.5 15	.0 17.520.0 22.5 Z (mm)	525.0 27.5 30.0 3	2.5 35.0	





### For Body Liquid

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 10/17/2018

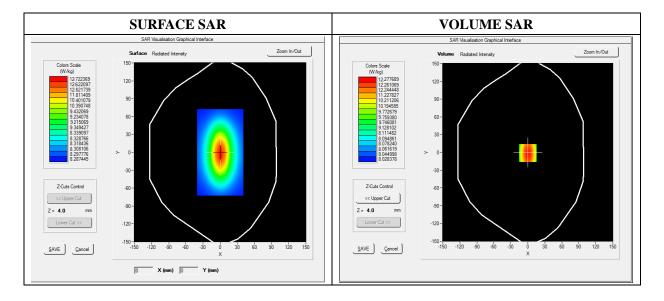
Measurement duration: 12 minutes 21 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 5.80; Calibrated: 06/01/2018

#### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Signal	Duty Cycle 1:1

Frequency (MHz)	2450.000000
Relative Permittivity (real part)	52.010212
Conductivity (S/m)	1.910255
Power Variation (%)	1.369745
Ambient Temperature	21.1
Liquid Temperature	21.2



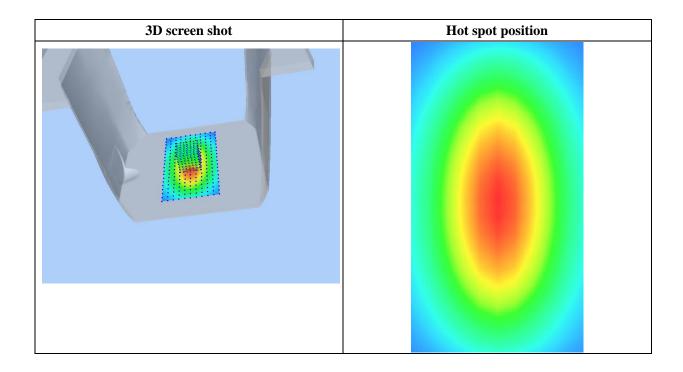


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	7.119522
SAR 1g (W/Kg)	12.592360

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	13.1911	11.7951	9.2945	8.5400	6.3712	4.6225
(W/Kg)							
	13.27 12.25 — 7.60 WW 6.17 W S	7-					
	3.05 2.03	3-	7.5 10.0 12.5 15.	0 17.520.0 22.5 Z (mm)	25.0 27.5 30.0 3	2.5 35.0	





#### For Body Liquid

Type: Validation measurement (Fast, 75.00 %)

Date of measurement: 10/17/2018

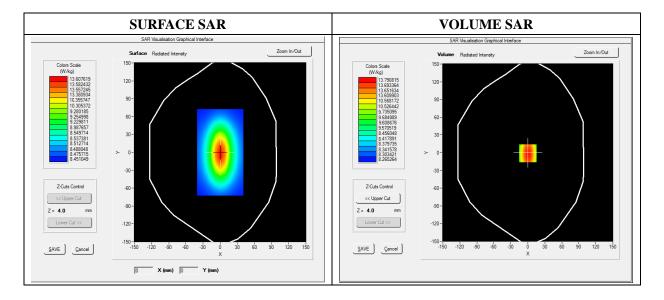
Measurement duration: 12 minutes 21 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 5.58; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Signal	Duty Cycle 1:1

Frequency (MHz)	2600.000000
Relative Permittivity (real part)	52.241202
Conductivity (S/m)	2.120943
Power Variation (%)	1.038832
Ambient Temperature	21.1
Liquid Temperature	21.2



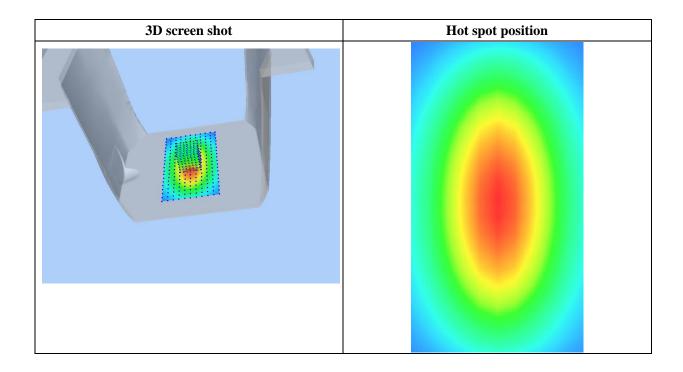


Maximum location: X=0.00, Y=0.00

SAR 10g (W/Kg)	6.083781
SAR 1g (W/Kg)	13.430481

Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR	0.0000	13.6473	11.8441	9.3627	8.5782	6.4357	4.6342
(W/Kg)							
	14.73 13.50 —10.50 WW 7.50 4.50 1.50		7.5 10.0 12.5 15.	0 17.520.0 22.5 Z (mm)	25.0 27.5 30.0 32	2.5 35.0	





## Annex B. Plots of SAR Measurement

TYPE	BAND	<u>PARAMETERS</u>
Phone	GSM850	Measurement 3: Left Head with Cheek device position on Middle Channel in GSM mode
Phone	GSM1900	Measurement 5: Right Head with Cheek device position on High Channel in GSM mode
Phone	GPRS850_2TX	Measurement 11: Left Head with Cheek device position on Low Channel in GPRS mode
Phone	GPRS1900_2TX	Measurement 17: Right Head with Cheek device position on High Channel in GPRS mode
Phone	WCDMA1900_RMC	Measurement 21: Right Head with Cheek device position on Low Channel in WCDMA mode
Phone	WCDMA850_RMC	Measurement 25:Right Head with Cheek device position on High Channel in WCDMA mode
Phone	LTE Band 2	Measurement 29: Right Head with Cheek device position on Low Channel in LTE mode
Phone	LTE Band 4	Measurement 37: Right Head with Cheek device position on Low Channel in LTE mode
Phone	LTE Band 5	Measurement 47: Left Head with Cheek device position on Low Channel in LTE mode
Phone	LTE Band 7	Measurement 53: Right Head with Cheek device position on Low Channel in LTE mode
Phone	LTE Band 17	Measurement 68: Left Head with Cheek device position on Low Channel in LTE mode
Phone	WiFi_802.11b	Measurement 76: Left Head with Cheek device position on Low Channel in 802.11b mode
Phone	GSM850	Measurement 79: Flat Plane with Front(Body-worn) device position on Middle Channel in GSM mode
Phone	GSM1900	Measurement 81: Flat Plane with Front(Body-worn) device position on High Channel in GSM mode
Phone	GPRS850_2TX	Measurement 83: Flat Plane with Front device position on Low Channel in GPRS mode
Phone	GPRS1900_2TX	Measurement 91: Flat Plane with Right device position on Low Channel in GPRS mode
Phone	WCDMA1900_RMC	Measurement 93: Flat Plane with Front side device position on Low Channel in WCDMA mode
Phone	WCDMA1900_RMC	Measurement 95: Flat Plane with Right side device position on Low Channel in WCDMA mode
Phone	WCDMA850_RMC	Measurement 97: Flat Plane with Front side device position on High Channel in WCDMA mode





Phone LTE Band 2	Measurement 101: Flat Plane with Front device position	
	on Low Channel in LTE mode	
Dhomo	DI LEED 12	Measurement 103: Flat Plane with Right device position
Phone	LTE Band 2	on Low Channel in LTE mode
Dl	I TE D 1 4	Measurement 109: Flat Plane with Front device position
Phone	Phone LTE Band 4	on Low Channel in LTE mode
Diama	DI 100 D 15	Measurement 117: Flat Plane with Front device position
Phone	LTE Band 5	on Low Channel in LTE mode
Phone	LTE Band 7	Measurement 127: Flat Plane with Front device position
Phone	LIE Dang /	on High Channel in LTE mode
Dhomo	LTE Band 17	Measurement 138: Flat Plane with Back device position
Phone	LIE Band 17	on Low Channel in LTE mode
Phone	W:E: 002 11b	Measurement 146: Flat Plane with Back side device
	WiFi_802.11b	position on Low Channel in 802.11b mode
1		

Remark: SAR plot is showed the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.

<b>TYPE</b>	BAND	<u>PARAMETERS</u>
Phone	GPRS850_2TX	Measurement 150: Flat Plane with Front device position on Low Channel in PTT mode
Phone	GPRS1900_2TX	Measurement 151: Flat Plane with Front device position on Low Channel in PTT mode



Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

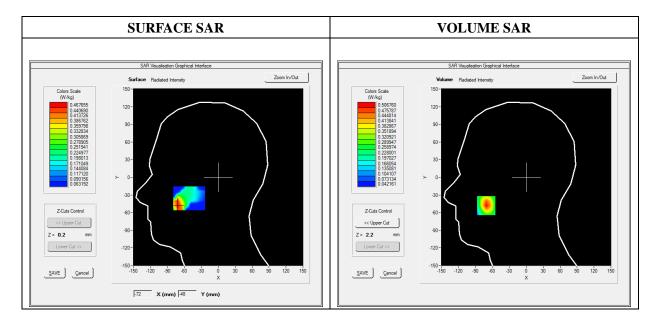
Measurement duration: 11 minutes 48 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.93; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm	
Zoom Scan	dx=8mm dy=8mm dz=5mm	
Phantom	Left head	
Device Position	Cheek	
Band	GSM850	
Channels	Middle	
Signal	TDMA (Crest factor: 8.0)	

Frequency (MHz)	836.600000
Relative Permittivity (real part)	41.110245
Conductivity (S/m)	0.871245
Power Variation (%)	1.144536
Ambient Temperature	21.1
Liquid Temperature	21.3





Maximum location: X=-71.00, Y=-48.00 SAR Peak: 0.83 W/kg

SAR 10g (W/Kg)	0.262707
SAR 1g (W/Kg)	0.476293

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8236	0.5068	0.2722	0.1548	0.1011
	0.8- 0.7- 0.6- 0.6- 0.5- 0.4- 0.4- 0.2- 0.1- 0 2 4		4 16 18 20 22 Z (mm)	24 26 28 30	

3D screen shot	Hot spot position



Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

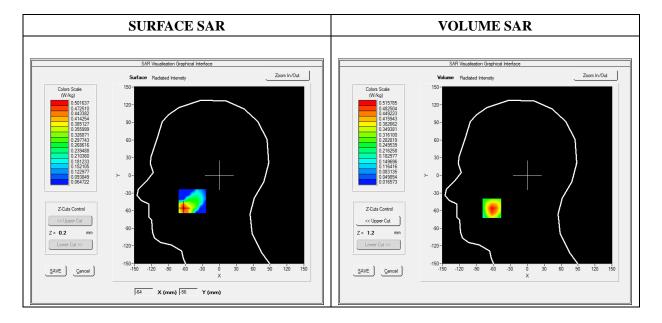
Measurement duration: 11 minutes 48 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.35; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm	
Zoom Scan	dx=8mm dy=8mm dz=5mm	
Phantom	Right head	
Device Position	Cheek	
Band	GSM1900	
Channels	High	
Signal	TDMA (Crest factor: 8.0)	

Frequency (MHz)	1909.800000
Relative Permittivity (real part)	38.560124
Conductivity (S/m)	1.380369
Power Variation (%)	1.442440
Ambient Temperature	21.1
Liquid Temperature	21.3

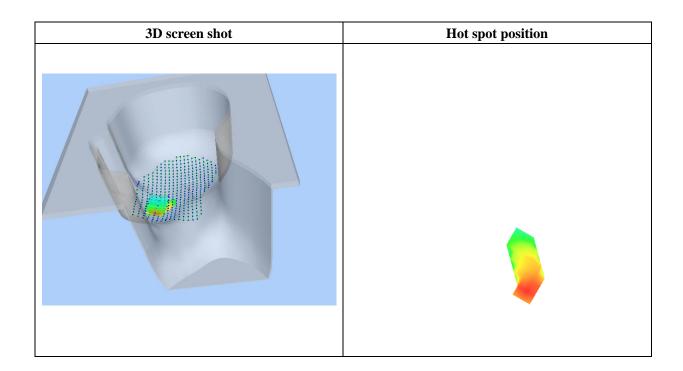




Maximum location: X=-63.00, Y=-56.00 SAR Peak: 0.91 W/kg

SAR 10g (W/Kg)	0.249726
SAR 1g (W/Kg)	0.491367

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8919	0.5158	0.2467	0.1178	0.0615
	0.9- 0.8- 0.6- 0.4- 0.2- 0.0- 0 2		14 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

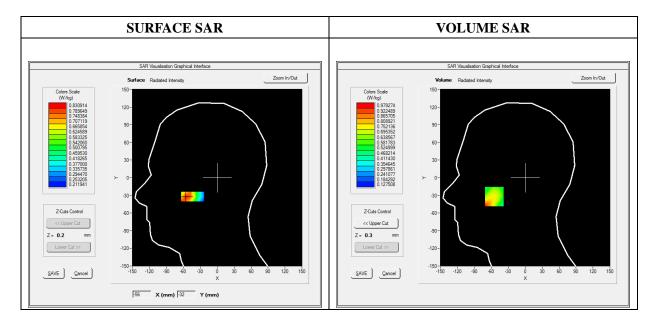
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.93; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm	
Zoom Scan	dx=8mm dy=8mm dz=5mm	
Phantom	Left head	
Device Position	Cheek	
Band	GPRS850_2TX	
Channels	Low	
Signal	Duty Cycle: 1:4	

Frequency (MHz)	824.200000
Relative Permittivity (real part)	41.110245
Conductivity (S/m)	0.871245
Power Variation (%)	1.521350
Ambient Temperature	21.1
Liquid Temperature	21.3





Maximum location: X=-55.00, Y=-32.00 SAR Peak: 1.50 W/kg

	0
SAR 10g (W/Kg)	0.537620
SAR 1g (W/Kg)	0.819163

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	2.9037	0.9793	0.3547	0.3358	0.2249
	2.9- 2.5- (6) 2.0- (7) 1.5- (8) 1.5- (9) 2.4- (1.0- (1		14 16 18 20 22 Z (mm)	24 26 28 30	

3D screen shot	Hot spot position



Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

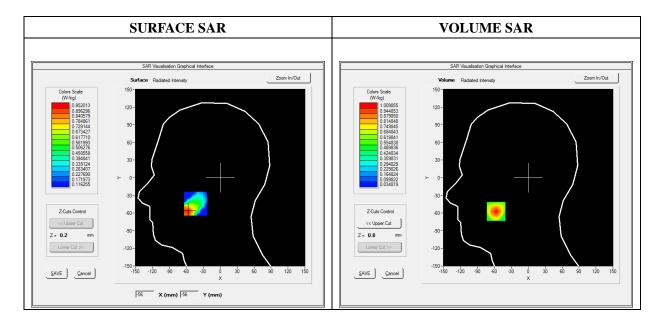
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.35; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GPRS1900_2TX
Channels	High
Signal	Duty Cycle: 1:4

Frequency (MHz)	1909.800000
Relative Permittivity (real part)	38.560124
Conductivity (S/m)	1.380369
Power Variation (%)	1.536272
Ambient Temperature	21.1
Liquid Temperature	21.3



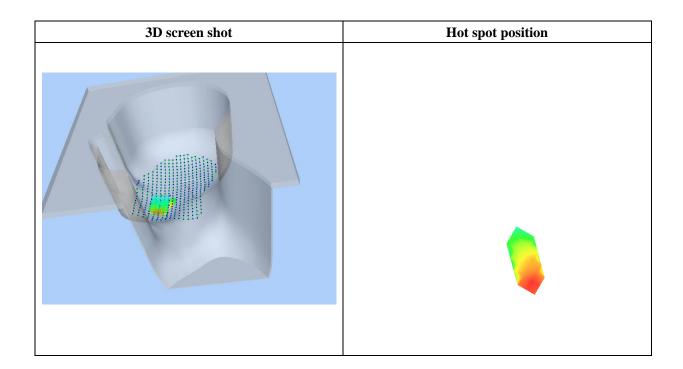


 $Maximum\ location:\ X\texttt{=-57.00},\ Y\texttt{=-57.00}$ 

SAR Peak: 1.72 W/kg

SAR 10g (W/Kg)	0.485928
SAR 1g (W/Kg)	0.948241

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.7164	1.0099	0.4944	0.2394	0.1231
	1.7- 1.4- 1.2- 1.0- 0.8- 0.6- 0.4- 0.2- 0.1- 0 2 4		4 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

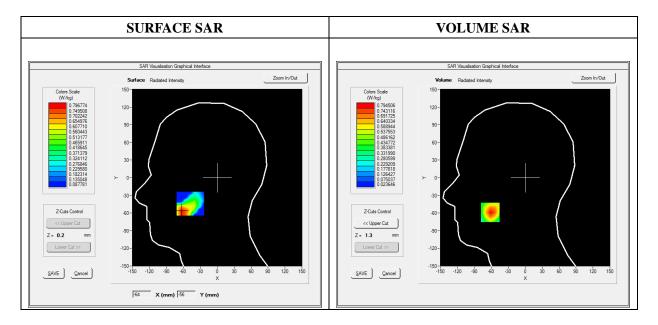
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.35; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	WCDMA1900_RMC
Channels	Low
Signal	Duty Cycle 1:1

Frequency (MHz)	1852.400000
Relative Permittivity (real part)	38.560124
Conductivity (S/m)	1.380369
Power Variation (%)	1.524540
Ambient Temperature	21.1
Liquid Temperature	21.3





Maximum location: X=-62.00, Y=-59.00 SAR Peak: 1.38 W/kg

SAR 10g (W/Kg)	0.387192
SAR 1g (W/Kg)	0.752672

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3643	0.7945	0.3845	0.1861	0.0984
	1.4- 1.2- 1.0- (by 0.8- 0.8- 0.4- 0.2- 0.1- 0 2 4		14 16 18 20 22 Z (mm)	24 26 28 30	

3D screen shot	Hot spot position



Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

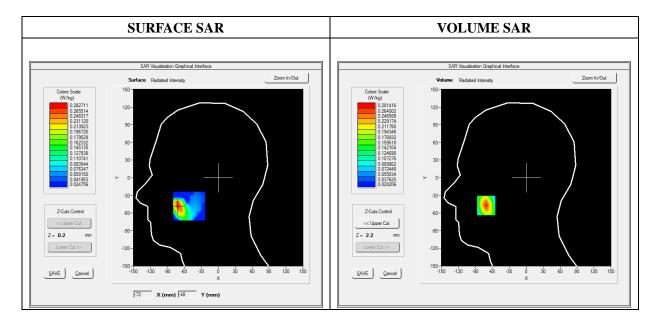
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.93; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm	
Zoom Scan	dx=8mm dy=8mm dz=5mm	
Phantom	Right head	
Device Position	Cheek	
Band	WCDMA850_RMC	
Channels	High	
Signal	Duty Cycle 1:1	

Frequency (MHz)	846.600000
Relative Permittivity (real part)	41.110245
Conductivity (S/m)	0.871245
Power Variation (%)	1.342427
Ambient Temperature	21.1
Liquid Temperature	21.3





Maximum location: X=-71.00, Y=-47.00 SAR Peak: 0.46 W/kg

SAR 10g (W/Kg)	0.142969
SAR 1g (W/Kg)	0.262648

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.4582	0.2814	0.1493	0.0818	0.0497
	0.5- 0.4- (b) 0.3- 0.2- 0.1- 0.0- 0 2		14 16 18 20 22 Z (mm)	24 26 28 30	

3D screen shot	Hot spot position



Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

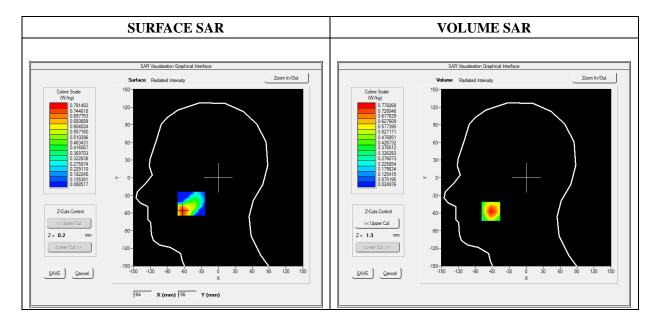
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.35; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm	
Zoom Scan	dx=8mm dy=8mm dz=5mm	
Phantom	Right head	
Device Position	Cheek	
Band	LTE Band 2	
Channels	QPSK, 20MHz, 1RB, Low	
Signal	Duty Cycle 1:1	

Frequency (MHz)	1860.000000
Relative Permittivity (real part)	38.560124
Conductivity (S/m)	1.380369
Power Variation (%)	1.743564
Ambient Temperature	21.1
Liquid Temperature	21.3



SAR Report



Maximum location: X=-63.00, Y=-57.00 SAR Peak: 1.34 W/kg

SAR 10g (W/Kg)	0.383629
SAR 1g (W/Kg)	0.738664

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.3293	0.7783	0.3795	0.1848	0.0975
	1.3- 1.2- 1.0- (by 0.8- W) 0.6- 0.4- 0.2- 0.1- 0 2 4		14 16 18 20 22 Z (mm)	24 26 28 30	

3D screen shot	Hot spot position



Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

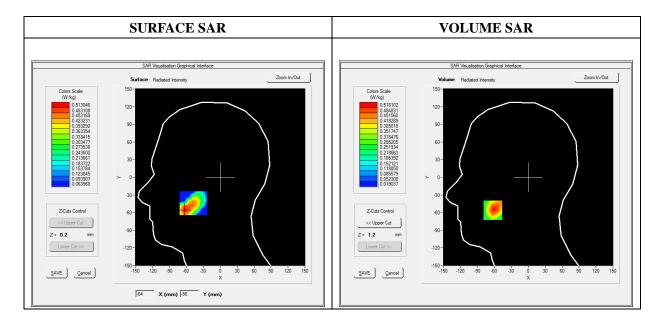
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 5.84; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm	
Zoom Scan	dx=8mm dy=8mm dz=5mm	
Phantom	Right head	
Device Position	Cheek	
Band	LTE Band 4	
Channels	QPSK, 20MHz, 1RB, Low	
Signal	Duty Cycle 1:1	

Frequency (MHz)	1720.000000
Relative Permittivity (real part)	39.025421
Conductivity (S/m)	1.370123
Power Variation (%)	1.374628
Ambient Temperature	21.1
Liquid Temperature	21.2

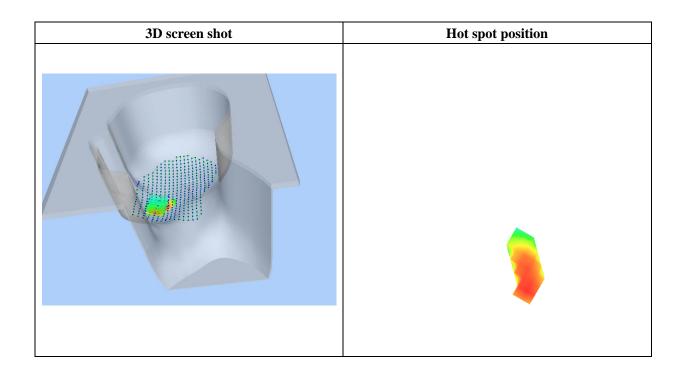




Maximum location: X=-63.00, Y=-56.00 SAR Peak: 0.88 W/kg

SAR 10g (W/Kg)	0.269352
SAR 1g (W/Kg)	0.496283

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8646	0.5181	0.2633	0.1360	0.0771
	0.9- 0.8- 0.7- 0.6- 0.6- 0.5- 0.5- 0.4- 0.2- 0.0- 0.2-		14 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

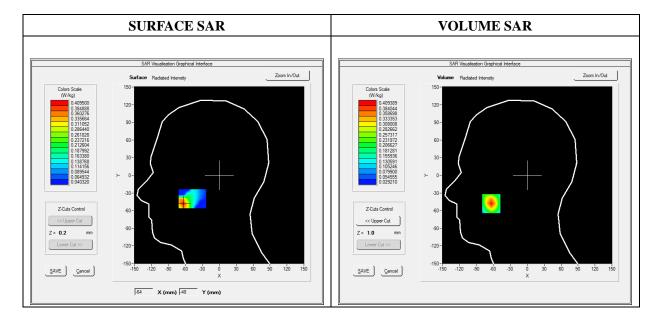
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.93; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 5
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

Frequency (MHz)	829.000000
Relative Permittivity (real part)	41.110245
Conductivity (S/m)	0.871245
Power Variation (%)	0.924535
Ambient Temperature	21.1
Liquid Temperature	21.2

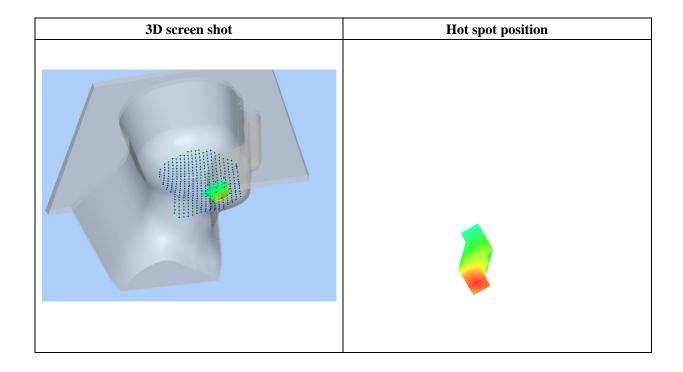




Maximum location: X=-64.00, Y=-48.00 SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.200368
SAR 1g (W/Kg)	0.380825

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6855	0.4094	0.2095	0.1126	0.0702
	0.7- 0.6- 0.5- 0.5- WW 0.4- WY 0.3- 0.2- 0.1- 0.0- 0 2 4		4 16 18 20 22 (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/17/2018

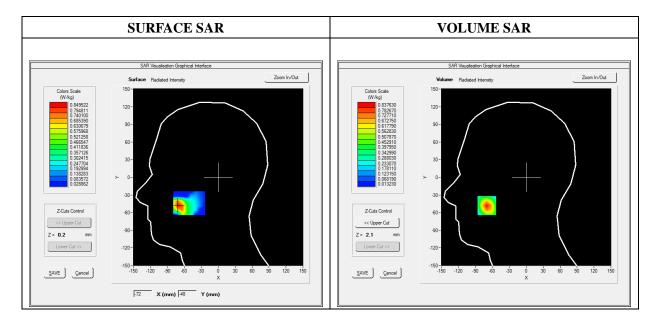
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 5.37; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE Band 7
Channels	QPSK, 20MHz, 1RB, Low
Signal	Duty Cycle 1:1

Frequency (MHz)	2510.000000
Relative Permittivity (real part)	38.631092
Conductivity (S/m)	1.930182
Power Variation (%)	0.924535
Ambient Temperature	21.1
Liquid Temperature	21.2



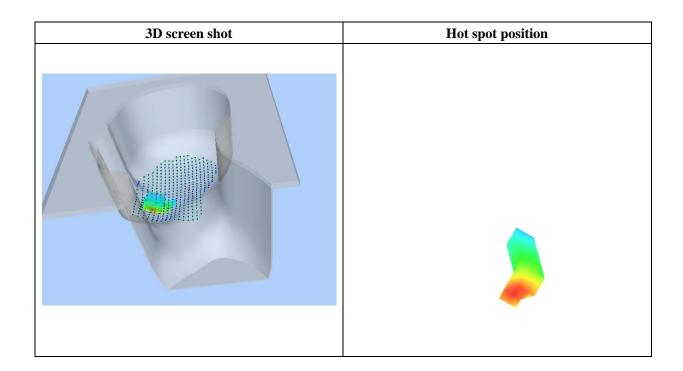


 $Maximum\ location:\ X\text{=-}70.00,\ Y\text{=-}48.00$ 

SAR Peak: 1.58 W/kg

SAR 10g (W/Kg)	0.362572	
SAR 1g (W/Kg)	0.786286	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.5724	0.8376	0.3465	0.1364	0.0587
	1.6- 1.4- 1.2- (\$\text{\$\text{\$W}}\text{\$W}\text{\$W}\text{\$W}\text{\$0.6}- 0.4- 0.2- 0.0- 0 2		14 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

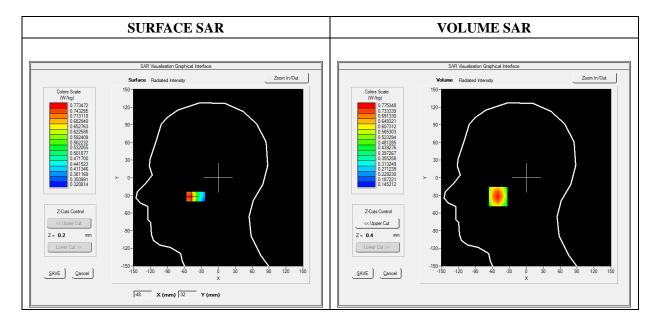
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.99; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE Band 17
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

Frequency (MHz)	709.000000
Relative Permittivity (real part)	41.320574
Conductivity (S/m)	0.862373
Power Variation (%)	0.924535
Ambient Temperature	21.1
Liquid Temperature	21.2





Maximum location: X=-50.00, Y=-32.00 SAR Peak: 1.00 W/kg

SAR 10g (W/Kg)	0.525136
SAR 1g (W/Kg)	0.743397

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.0028	0.7753	0.5694	0.4322	0.3423
	1.0- 0.9- 0.8- 0.8- 0.7- 0.6- 0.5- 0.4- 0.3- 0 2		14 16 18 20 22 Z (mm)	24 26 28 30	

3D screen shot	Hot spot position



Type: Phone measurement (Complete)
Date of measurement: 10/17/2018

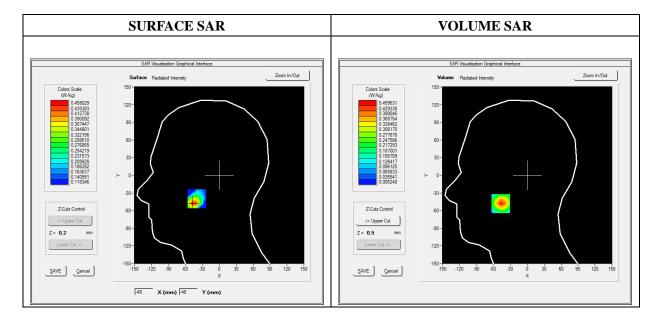
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 5.64; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm	
Zoom Scan	dx=8mm dy=8mm dz=5mm	
Phantom	Left head	
Device Position	Cheek	
Band	WiFi_802.11b	
Channels	Low	
Signal	Duty Cycle 1:1	

Frequency (MHz)	2412.000000	
Relative Permittivity (real part)	38.153660	
Conductivity (S/m)	1.740236	
Power Variation (%)	3.234772	
Ambient Temperature	21.1	
Liquid Temperature 21.2		





Maximum location: X=-47.00, Y=-48.00 SAR Peak: 0.84 W/kg

SAR 10g (W/Kg)	0.198851	
SAR 1g (W/Kg)	0.428158	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8382	0.4596	0.2008	0.0857	0.0405
	0.8- 0.7- 0.6- 0.5- 0.4- WW 0.3- 0.2- 0.1- 0.0- 0 2 4		4 16 18 20 22 Z (mm)	24 26 28 30	

3D screen shot	Hot spot position



Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

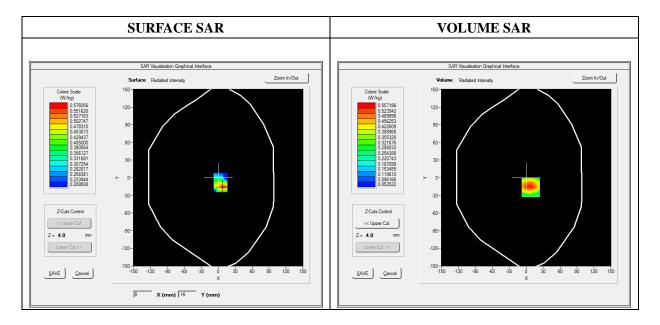
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 7.13; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm	
Zoom Scan	dx=8mm dy=8mm dz=5mm	
Phantom	Flat Plane	
<b>Device Position</b>	Front(Body-worn)	
Band	GSM850	
Channels	Middle	
Signal	TDMA (Crest factor: 8.0)	

Frequency (MHz)	836.600000	
Relative Permittivity (real part)	54.851214	
Conductivity (S/m)	0.951454	
Power Variation (%)	0.901472	
Ambient Temperature	21.1	
Liquid Temperature	21.3	

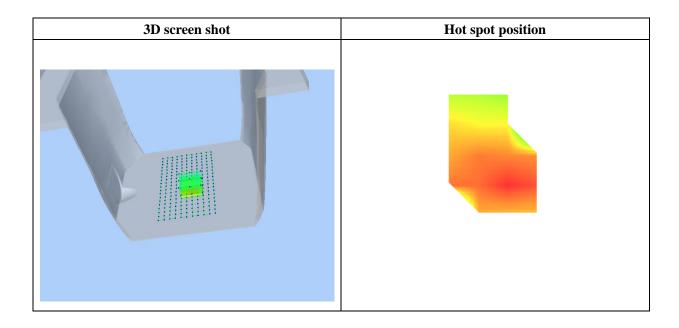




Maximum location: X=8.00, Y=-16.00 SAR Peak: 0.87 W/kg

SAR 10g (W/Kg)	0.305039	
SAR 1g (W/Kg)	0.529076	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8673	0.5572	0.3181	0.1903	0.1265
	0.9-				
	-8.0				
	0.7-				
	<b>⊕</b> 0.6−			<del>                                     </del>	
	© 0.6- 0.5-	$\longrightarrow$			
	₩ 0.4-				
	0.3-				
	0.2-				
	0.1-				
	0.1 0 2 4	6 8 10 12	14 16 18 20 22	24 26 28 30	
			Z (mm)		





Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

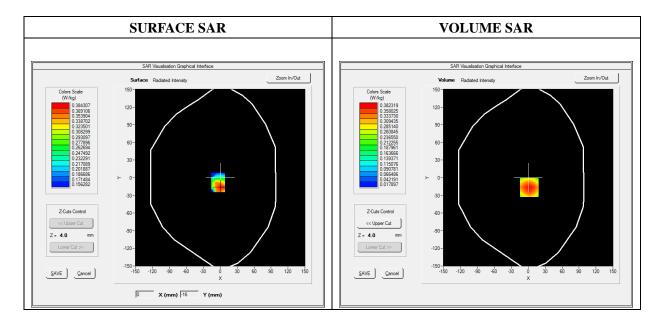
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.55; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Front(Body-worn)
Band	GSM1900
Channels	High
Signal	TDMA (Crest factor: 8.0)

Frequency (MHz)	1909.800000
Relative Permittivity (real part)	52.420415
Conductivity (S/m)	1.501966
Power Variation (%)	1.474622
Ambient Temperature	21.1
Liquid Temperature	21.3





Maximum location: X=2.00, Y=-16.00 SAR Peak: 0.63 W/kg

SAR 10g (W/Kg)	0.202201
SAR 1g (W/Kg)	0.365333

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6319	0.3823	0.1966	0.1020	0.0570
	0.6-				
	0.5				
	፟⊉ 0.4-				
	SAR (W/kg)				
	SAF				
	0.2-				
	0.1-	+++	<del></del>		
	0.0-	6 8 10 12	14 16 18 20 22	24 26 29 20	
	0 2 4		Z (mm)	24 20 20 30	
			- ·····,		

3D screen shot	Hot spot position



Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

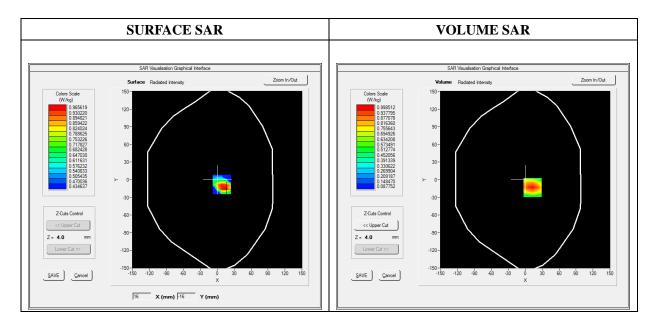
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 7.13; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat plane
Device Position	Front
Band	GPRS850_2TX
Channels	Low
Signal	Duty Cycle: 1:4

Frequency (MHz)	824.200000
Relative Permittivity (real part)	54.851214
Conductivity (S/m)	0.951454
Power Variation (%)	0.901472
Ambient Temperature	21.1
Liquid Temperature	21.3

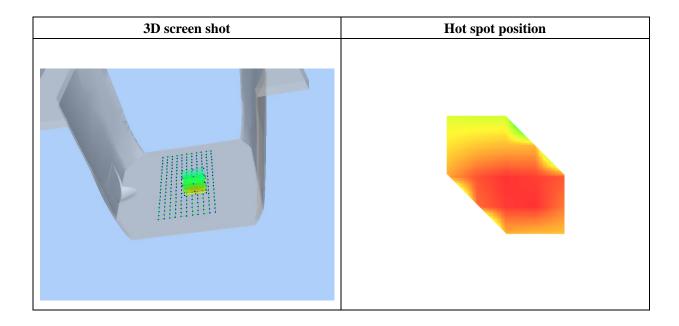




Maximum location: X=13.00, Y=-13.00 SAR Peak: 1.57 W/kg

SAR 10g (W/Kg)	0.536525
SAR 1g (W/Kg)	0.949314

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.5656	0.9985	0.5604	0.3248	0.2051
	1.6- 1.4- 1.2- (g) 1.0- 0.8- 0.6- 0.4- 0.1- 0 2		14 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

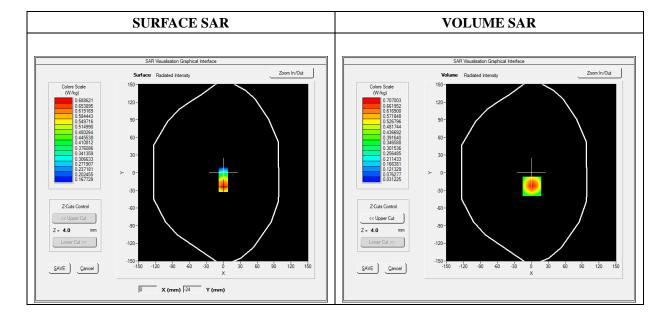
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.55; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat plane
Device Position	Right
Band	GPRS1900_2TX
Channels	Low
Signal	Duty Cycle: 1:4

Frequency (MHz)	1850.200000
Relative Permittivity (real part)	52.420415
Conductivity (S/m)	1.501966
Power Variation (%)	2.483762
Ambient Temperature	21.1
Liquid Temperature	21.3



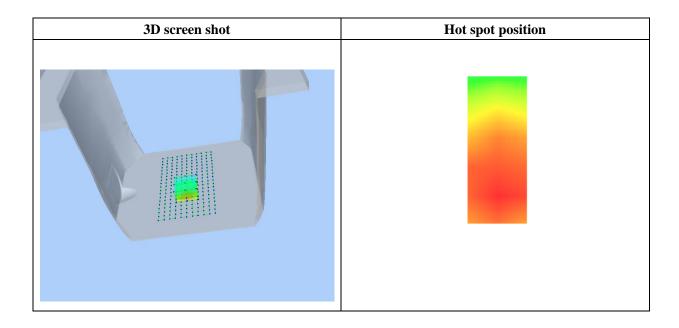


 $\label{eq:maximum location: X=1.00, Y=-23.00} Maximum location: X=1.00, Y=-23.00$ 

SAR Peak: 1.22 W/kg

SAR 10g (W/Kg)	0.350907
SAR 1g (W/Kg)	0.669362

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.2098	0.7070	0.3464	0.1732	0.0976
	1.2- 1.0- (6) 0.8- 0.6- 0.4- 0.2- 0.1- 0 2 4		4 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

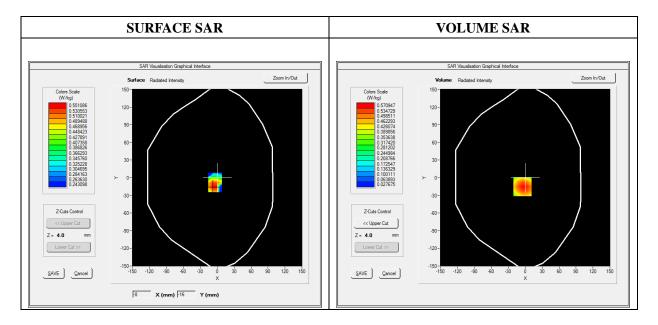
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.55; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Front
Band	WCDMA1900_RMC
Channels	Low
Signal	Duty Cycle 1:1

Frequency (MHz)	1852.400000
Relative Permittivity (real part)	52.420415
Conductivity (S/m)	1.501966
Power Variation (%)	1.772511
Ambient Temperature	21.1
Liquid Temperature	21.3

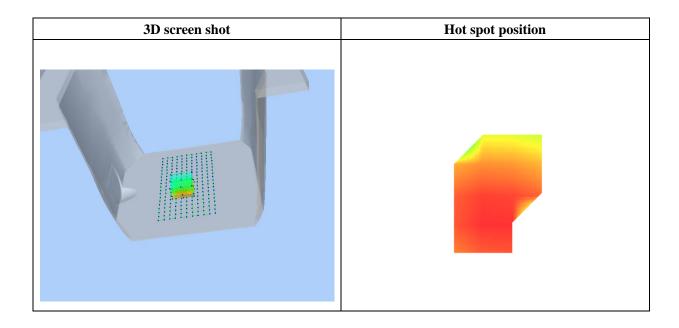




Maximum location: X=-5.00, Y=-15.00 SAR Peak: 0.91 W/kg

SAR 10g (W/Kg)	0.308633
SAR 1g (W/Kg)	0.544627

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9124	0.5709	0.3071	0.1645	0.0914
	0.9- 0.8- 0.6- 0.6- 0.2- 0.0- 0 2 4		14 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

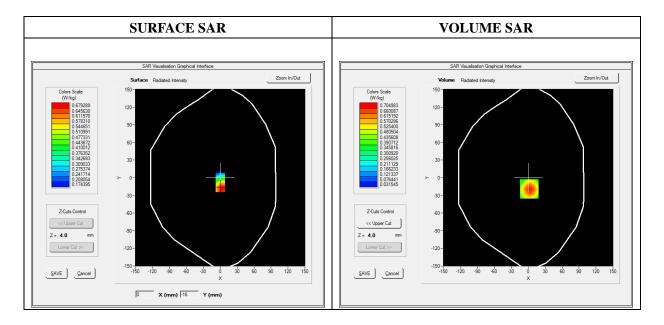
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.55; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
<b>Device Position</b>	Right
Band	WCDMA1900_RMC
Channels	Low
Signal	Duty Cycle 1:1

Frequency (MHz)	1852.400000
Relative Permittivity (real part)	52.420415
Conductivity (S/m)	1.501966
Power Variation (%)	1.789272
Ambient Temperature	21.1
Liquid Temperature	21.3



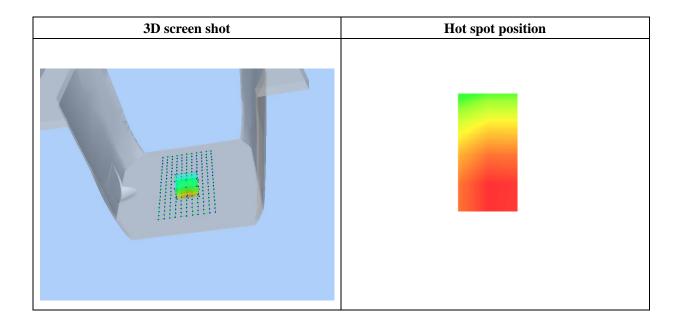


 $Maximum\ location:\ X{=}2.00,\ Y{=}\text{-}19.00$ 

SAR Peak: 1.12 W/kg

SAR 10g (W/Kg)	0.366488
SAR 1g (W/Kg)	0.666064

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.1170	0.7050	0.3841	0.2086	0.1172
	1.1- 1.0- 0.8- 0.6- WW 0.6- 0.4- 0.2- 0.1- 0 2 4		14 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

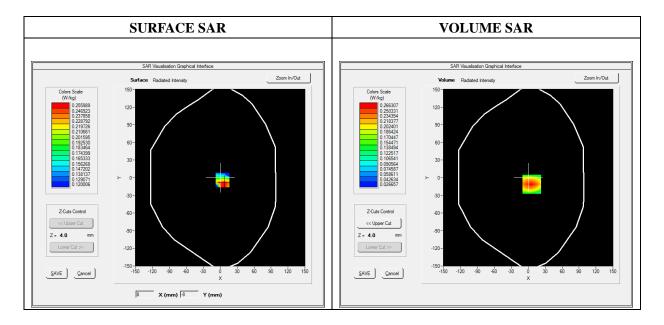
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 7.13; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Front
Band	WCDMA850_RMC
Channels	High
Signal	Duty Cycle 1:1

Frequency (MHz)	846.600000
Relative Permittivity (real part)	54.851214
Conductivity (S/m)	0.951454
Power Variation (%)	2.341234
Ambient Temperature	21.1
Liquid Temperature	21.3

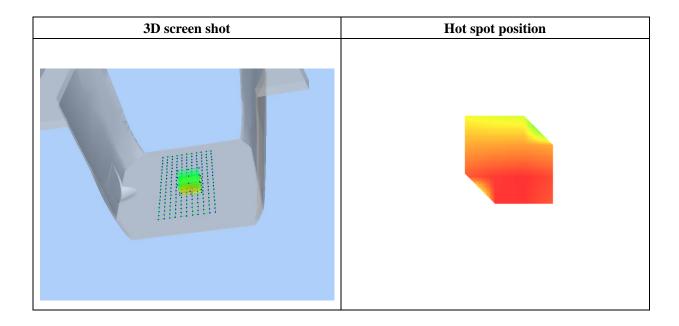




Maximum location: X=6.00, Y=-11.00 SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.151097
SAR 1g (W/Kg)	0.251087

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3872	0.2663	0.1655	0.1048	0.0692
	0.39- 0.35- 0.30- 0.25- 0.20- WW 0.25- 0.15- 0.10- 0.05- 0 2		14 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

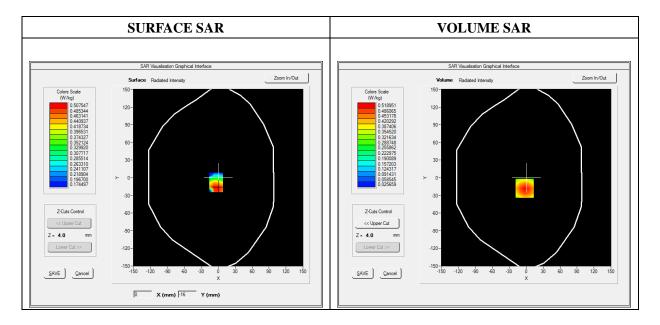
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.55; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Front
Band	LTE Band 2
Channels	QPSK, 20MHz, 1RB,Low
Signal	Duty Cycle 1:1

Frequency (MHz)	1860.000000
Relative Permittivity (real part)	52.420415
Conductivity (S/m)	1.501966
Power Variation (%)	1.508191
Ambient Temperature	21.1
Liquid Temperature	21.3

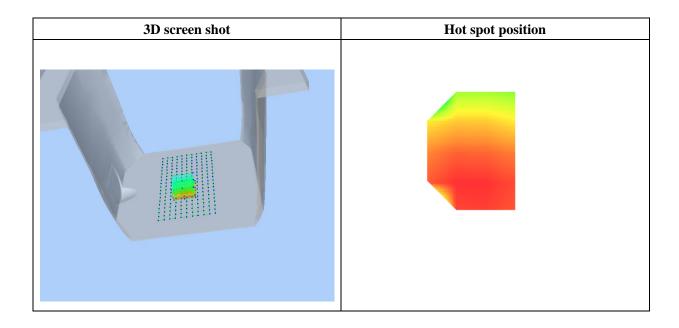




Maximum location: X=-3.00, Y=-18.00 SAR Peak: 0.82 W/kg

SAR 10g (W/Kg)	0.281425
SAR 1g (W/Kg)	0.494244

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.8198	0.5190	0.2838	0.1544	0.0865
	0.8- 0.7- 0.6- 0.5- 0.4- 0.4- 0.2- 0.0- 0.2-		14 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

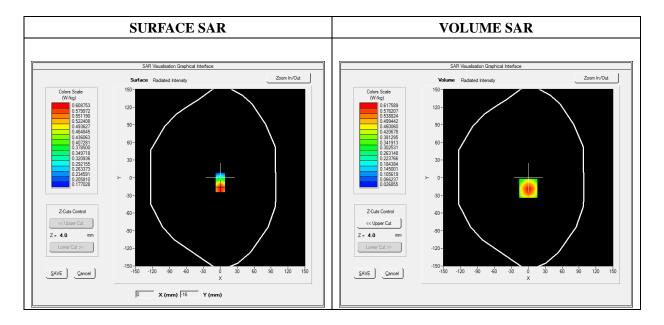
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.55; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Right
Band	LTE Band 2
Channels	QPSK, 20MHz, 1RB,Low
Signal	Duty Cycle 1:1

Frequency (MHz)	1860.000000
Relative Permittivity (real part)	52.420415
Conductivity (S/m)	1.501966
Power Variation (%)	1.523573
Ambient Temperature	21.1
Liquid Temperature	21.3

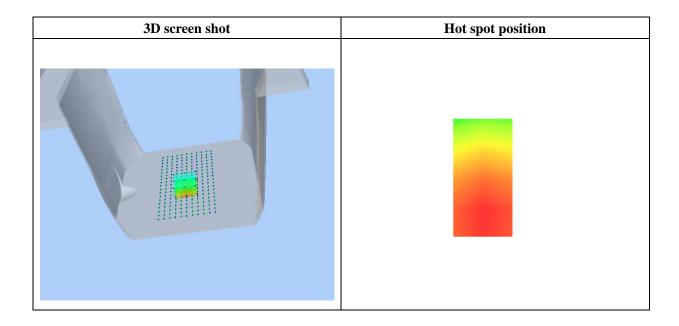




Maximum location: X=0.00, Y=-18.00 SAR Peak: 0.98 W/kg

SAR 10g (W/Kg)	0.320340
SAR 1g (W/Kg)	0.583321

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.9832	0.6176	0.3340	0.1798	0.1002
	1.0- 0.8- 0.6- 0.4- 0.2- 0.1- 0 2 4		4 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

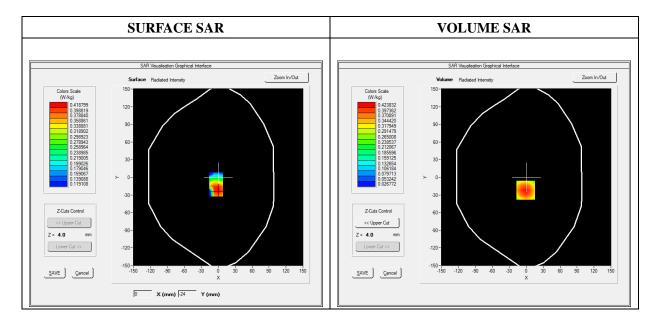
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.06; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm	
Zoom Scan	dx=8mm dy=8mm dz=5mm	
Phantom	Flat Plane	
Device Position	Front	
Band	LTE Band 4	
Channels	QPSK, 20MHz, 1RB, Low	
Signal	Duty Cycle 1:1	

Frequency (MHz)	1720.000000
Relative Permittivity (real part)	51.220432
Conductivity (S/m)	1.460124
Power Variation (%)	0.858383
Ambient Temperature	21.1
Liquid Temperature	21.2

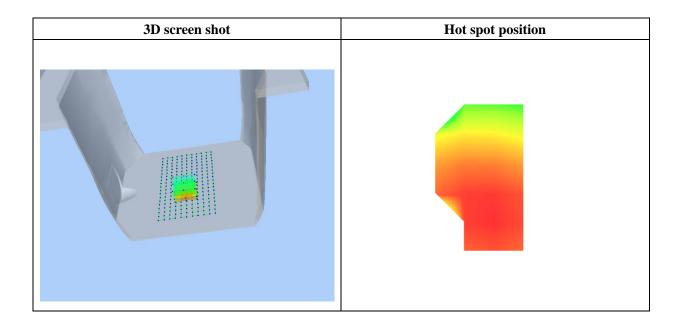




Maximum location: X=-1.00, Y=-22.00 SAR Peak: 0.64 W/kg

SAR 10g (W/Kg)	0.236560
SAR 1g (W/Kg)	0.402870

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6440	0.4238	0.2454	0.1420	0.0842
	0.6- 0.5- 0.5- 0.4- 0.3- 0.2- 0.1- 0.0-	4 6 8 10 12		24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

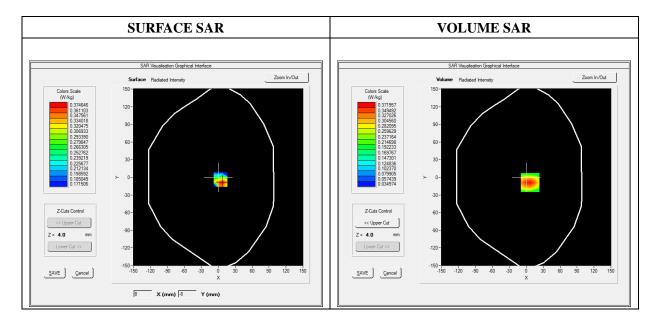
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 7.13; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Front
Band	LTE Band 5
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

Frequency (MHz)	829.000000
Relative Permittivity (real part)	54.851214
Conductivity (S/m)	0.951454
Power Variation (%)	1.037332
Ambient Temperature	21.1
Liquid Temperature	21.2

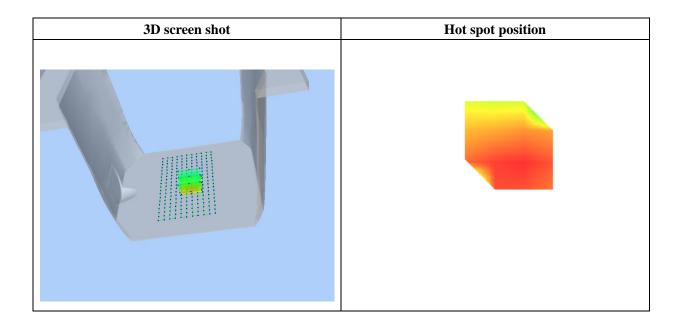




Maximum location: X=7.00, Y=-9.00 SAR Peak: 0.55 W/kg

SAR 10g (W/Kg)	0.207514
SAR 1g (W/Kg)	0.352365

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.5505	0.3720	0.2253	0.1389	0.0895
	0.6-				
	0.5-				
	© 0.4-				
	€ 0.3-		++++		
	SAR				
	0.2-				
	0.1-				
	0.1-			<del>-</del>	
	0 2		14 16 18 20 22	24 26 28 30	
			Z (mm)		





Type: Phone measurement (Complete)
Date of measurement: 10/17/2018

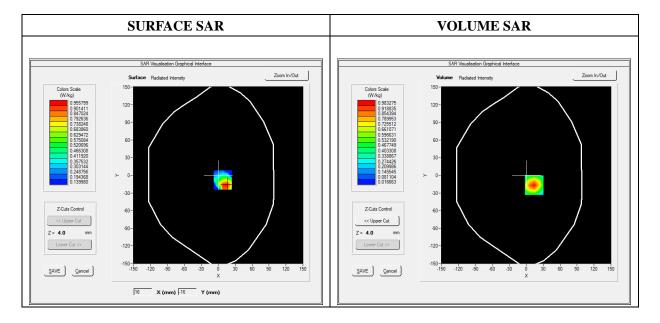
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 5.58; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm	
Zoom Scan	dx=8mm dy=8mm dz=5mm	
Phantom	Flat Plane	
Device Position	Front	
Band	LTE Band 7	
Channels	QPSK, 20MHz, 1RB, High	
Signal	Duty Cycle 1:1	

Frequency (MHz)	2560.000000
Relative Permittivity (real part)	52.241202
Conductivity (S/m)	2.120943
Power Variation (%)	3.124788
Ambient Temperature	21.1
Liquid Temperature	21.2





Maximum location: X=14.00, Y=-17.00 SAR Peak: 1.71 W/kg

SAR 10g (W/Kg)	0.441911
SAR 1g (W/Kg)	0.917776

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	1.7049	0.9833	0.4649	0.2145	0.1041
	1.7- 1.4- 1.2- 1.0- 0.8- WY 0.6- 0.4- 0.2- 0.0- 0 2 4		4 16 18 20 22 Z (mm)	24 26 28 30	

3D screen shot	Hot spot position



Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

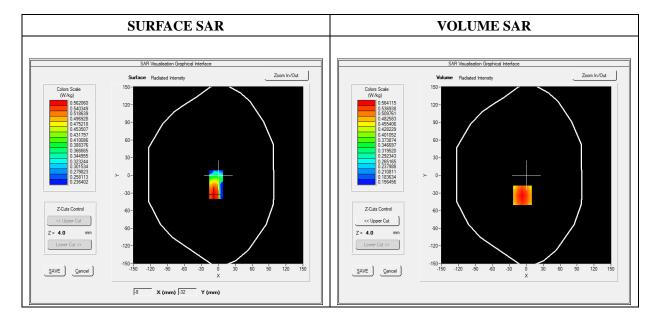
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 7.28; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Back
Band	LTE Band 17
Channels	QPSK, 10MHz, 1RB, Low
Signal	Duty Cycle 1:1

Frequency (MHz)	709.000000
Relative Permittivity (real part)	54.964739
Conductivity (S/m)	0.931048
Power Variation (%)	3.672346
Ambient Temperature	21.1
Liquid Temperature	21.2

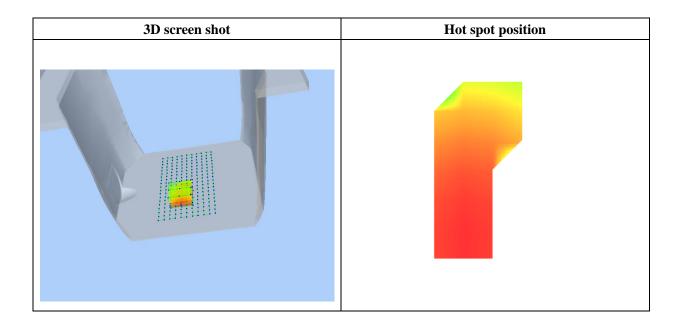




Maximum location: X=-7.00, Y=-34.00 SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.431354	
SAR 1g (W/Kg)	0.576966	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6824	0.5641	0.4432	0.3479	0.2727
	0.7-				
	0.6-				
	፟ 2 0.5−	$\downarrow\downarrow\downarrow\downarrow$			
	0.5 - 0.0 (B) 0.4 - 0.4 (B) 0.5 (B) 0.				
	VS 0.4				
	0.3				
	0.2	4 6 8 10 12	14 16 18 20 22	24 26 28 30	
			Z (mm)		





Type: Phone measurement (Complete)
Date of measurement: 10/17/2018

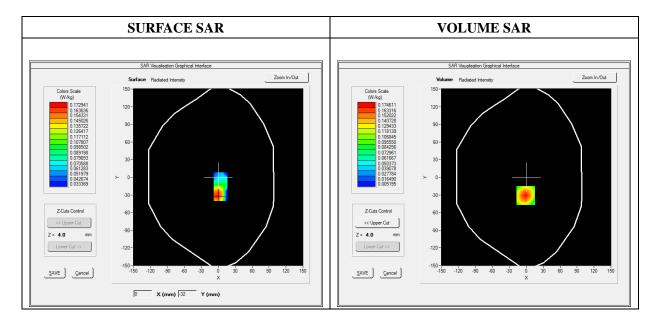
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 5.80; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Back
Band	WiFi_802.11b
Channels	Low
Signal	Duty Cycle 1:1

Frequency (MHz)	2412.000000
Relative Permittivity (real part)	52.010212
Conductivity (S/m)	1.910255
Power Variation (%)	2.492743
Ambient Temperature	21.1
Liquid Temperature	21.2

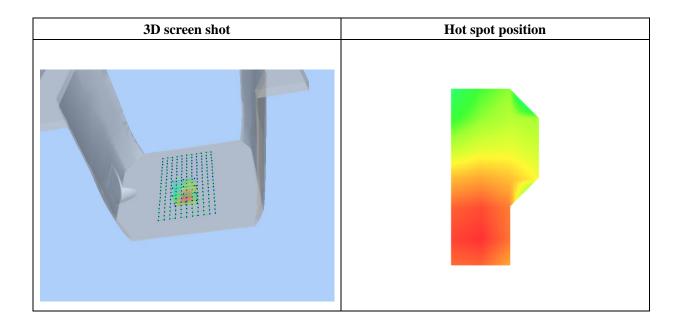




Maximum location: X=-1.00, Y=-31.00 SAR Peak: 0.30 W/kg

SAR 10g (W/Kg)	0.084376	
SAR 1g (W/Kg)	0.164723	

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.2970	0.1746	0.0847	0.0398	0.0191
	0.30- 0.25- 0.20- 0.15- 0.10- 0.05- 0.01- 0 2		14 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/15/2018

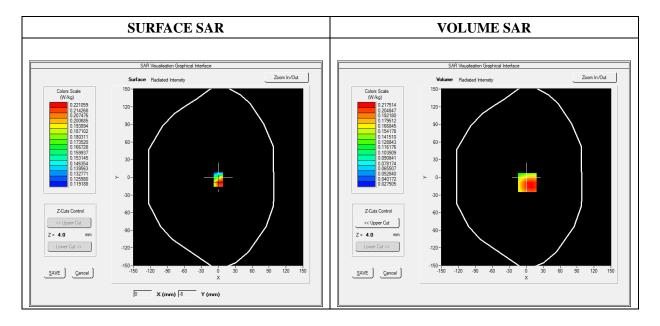
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.93; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm
Zoom Scan	dx=8mm dy=8mm dz=5mm
Phantom	Flat Plane
Device Position	Front
Band	GPRS850_2TX
Channels	Low
Signal	Duty Cycle: 1:4

Frequency (MHz)	824.200000		
Relative Permittivity (real part)	41.110245		
Conductivity (S/m)	0.871245		
Power Variation (%)	1.502922		
Ambient Temperature	21.1		
Liquid Temperature	21.3		

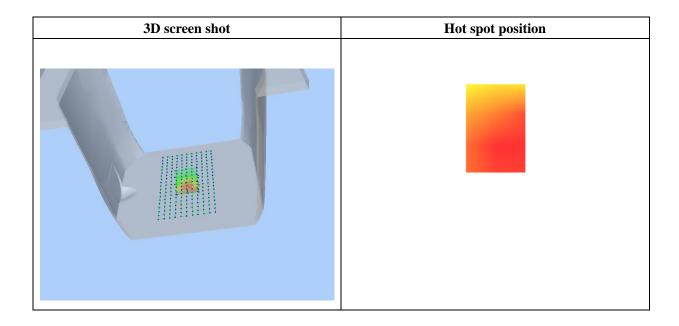




Maximum location: X=2.00, Y=-9.00 SAR Peak: 0.31 W/kg

SAR 10g (W/Kg)	0.142861		
SAR 1g (W/Kg)	0.213991		

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.6117	0.2175	0.1129	0.1044	0.0531
	0.6- 0.5- 0.4- 0.3- 0.2- 0.1- 0.1- 0.1-		14 16 18 20 22 Z (mm)	24 26 28 30	





Type: Phone measurement (Complete)
Date of measurement: 10/16/2018

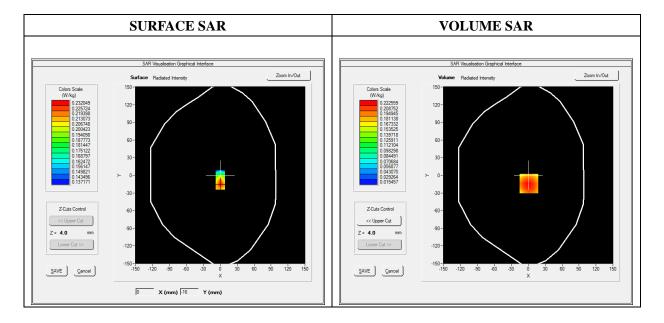
Measurement duration: 12 minutes 3 seconds

E-field Probe: SSE5 - SN 09/13 EP168; ConvF: 6.35; Calibrated: 06/01/2018

### A. Experimental conditions

Area Scan	dx=8mm dy=8mm		
Zoom Scan	dx=8mm dy=8mm dz=5mm		
Phantom	Flat Plane		
Device Position	Front		
Band	GPRS1900_2TX		
Channels	Low		
Signal	Duty Cycle: 1:4		

Frequency (MHz)	1850.200000		
Relative Permittivity (real part)	38.560124		
Conductivity (S/m)	1.380369		
Power Variation (%)	1.503921		
Ambient Temperature	21.1		
Liquid Temperature	21.3		

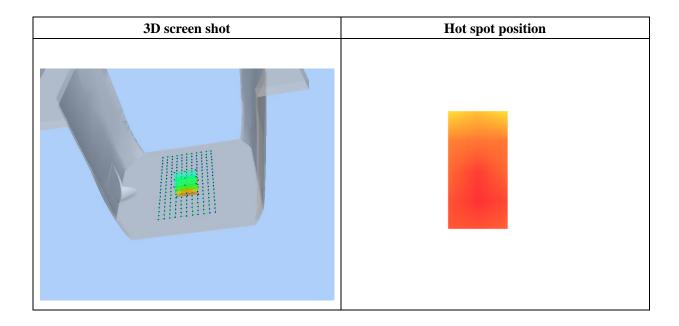




Maximum location: X=1.00, Y=-14.00 SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.125348		
SAR 1g (W/Kg)	0.213487		

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.3483	0.2226	0.1238	0.0692	0.0404
	0.35- 0.30- 0.25- W 0.20- W 0.15- 0.10- 0.05- 0.02-	4 6 8 10 12		24 26 28 30	





### **Annex C. EUT Photos**

### **EUT View Front**

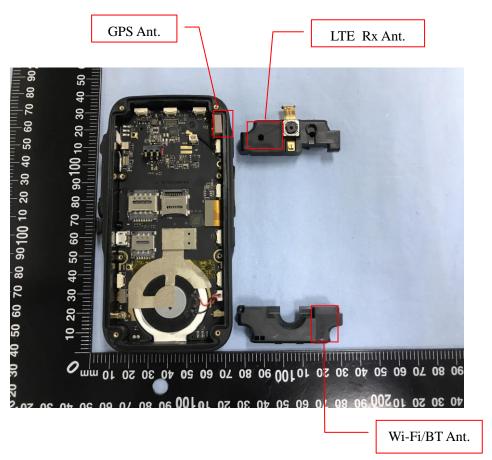


### **EUT View Back**





### **Antenna View**







# **Annex D. Test Setup Photos**

## **Head Exposure Conditions**



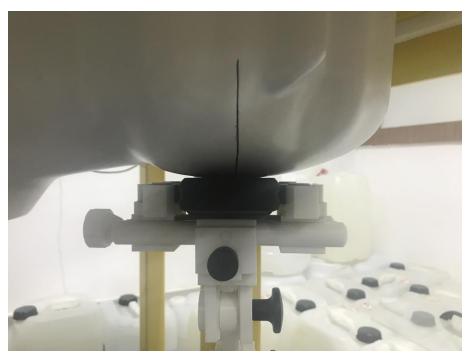


Tilt









Tilt





## Body-worn & Hotspot mode Exposure Conditions





**Body Back** 



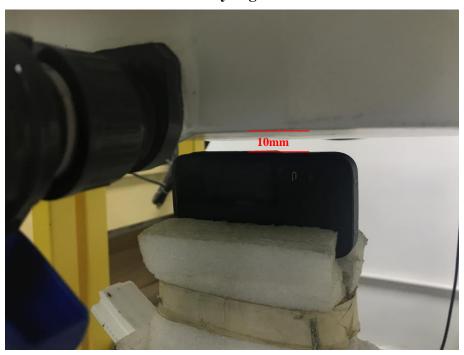


## **Hotspot Exposure Conditions**





**Body Right** 

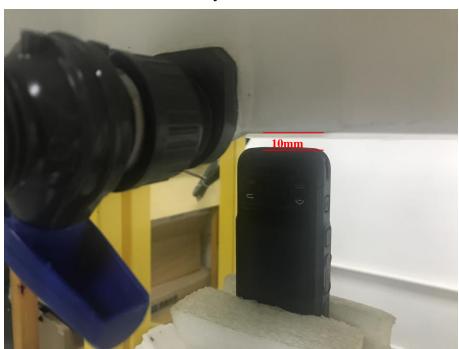




**Body Top** 



**Body Bottom** 





## Front-of the face Exposure Conditions

### **Front**





## **Annex E. Calibration Certificate**

Please refer to the exhibit for the calibration certificate

\*\*\*\*\* END OF REPORT \*\*\*\*\*