

11. SAR Test Data

GSM850

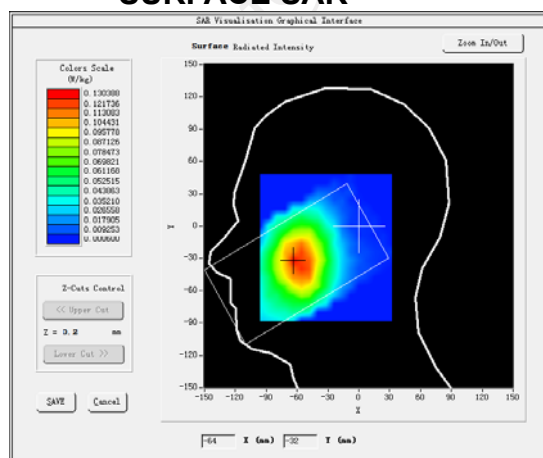
MEASUREMENT 1

High Band SAR (Channel 251):

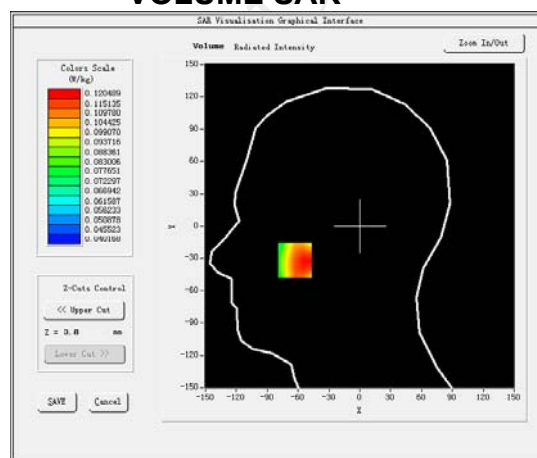
Date: 02/09/2016

Frequency (MHz)	848.800000
Relative permittivity (real part)	40.392154
Relative permittivity (imaginary part)	18.129852
Conductivity (S/m)	0.881254
Variation (%)	3.320000
Crest Factor:	8.3
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>GSM850(voice)</u>

SURFACE SAR



VOLUME SAR



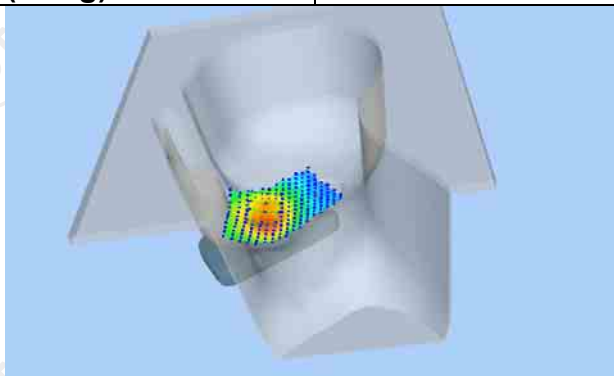
Maximum location: X=-63.00, Y=-32.00 SAR Peak: 0.13 W/kg

SAR 10g (W/Kg)

0.105940

SAR 1g (W/Kg)

0.119954



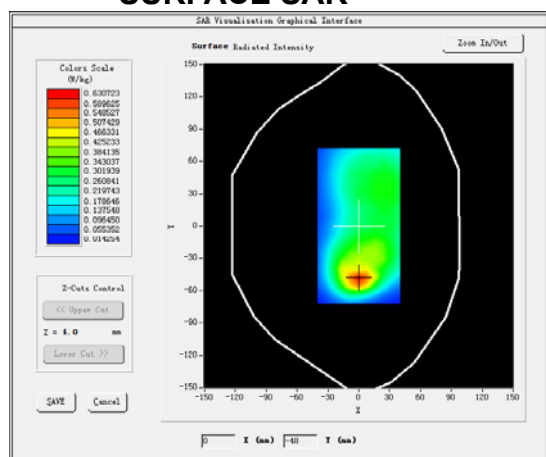
MEASUREMENT 2

High Band SAR (Channel 251):

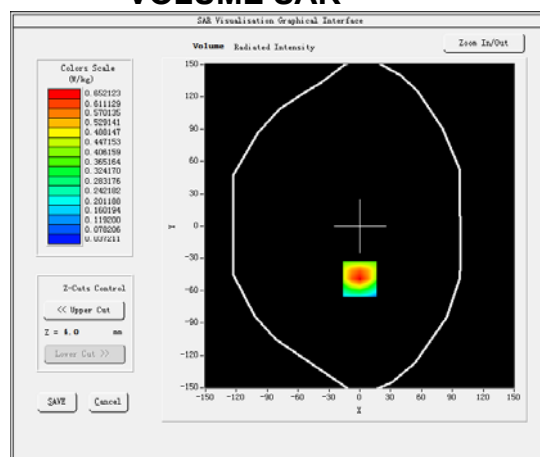
Date: 02/09/2016

Frequency (MHz)	848.800000
Relative permittivity (real part)	55.212077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.971188
Variation (%)	0.570000
Crest Factor:	8.3
Probe Conversion factor	5.22
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back</u>
Band	<u>GSM850(Voice)</u>

SURFACE SAR



VOLUME SAR



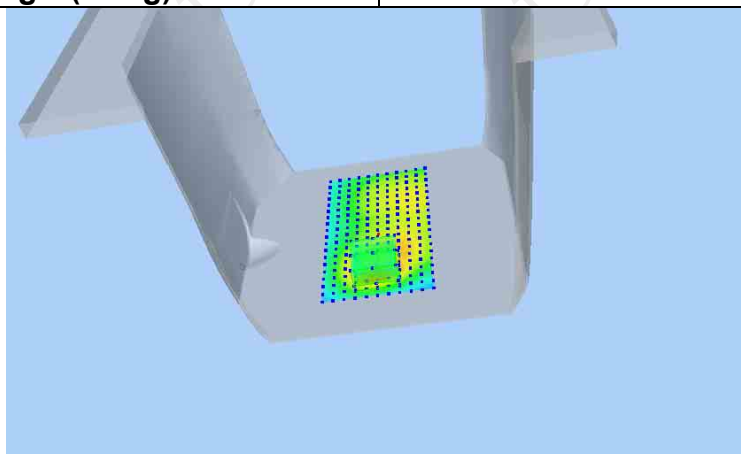
Maximum location: X=0.00, Y=-49.00 SAR Peak: 1.02 W/kg

SAR 10g (W/Kg)

0.345169

SAR 1g (W/Kg)

0.616570



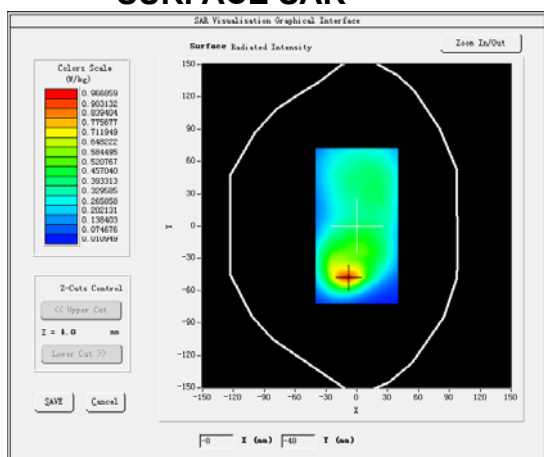
MEASUREMENT 3

Lower Band SAR (Channel 128):

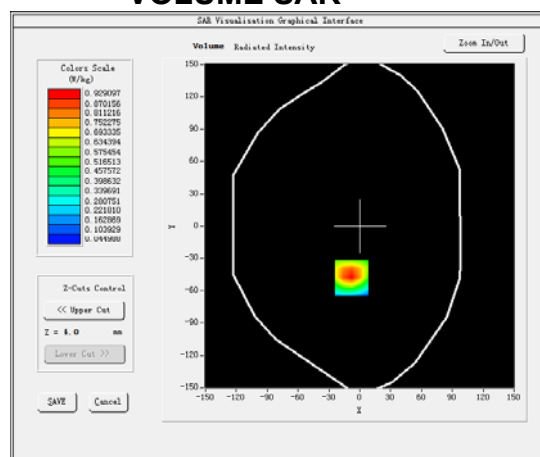
Date: 02/09/2016

Frequency (MHz)	824.200000
Relative permittivity (real part)	55.262145
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.934587
Variation (%)	-1.580000
Crest Factor:	2.0
Probe Conversion factor	5.22
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back</u>
Band	<u>GSM850(GPRS 4slot hotspot)</u>

SURFACE SAR

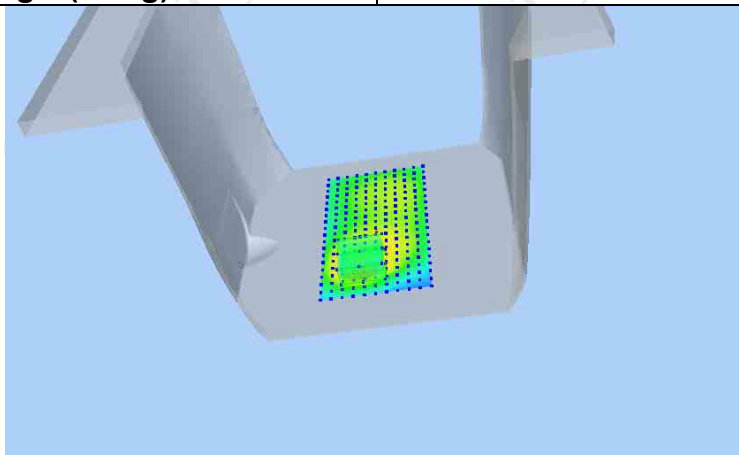


VOLUME SAR



Maximum location: X=-8.00, Y=-48.00 SAR Peak: 1.51 W/kg

SAR 10g (W/Kg)	0.484396
SAR 1g (W/Kg)	0.889118



MEASUREMENT 4

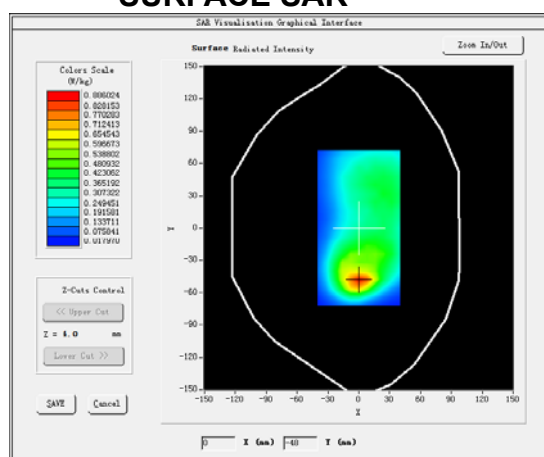
Middle Band SAR (Channel 190):

Date: 02/09/2016

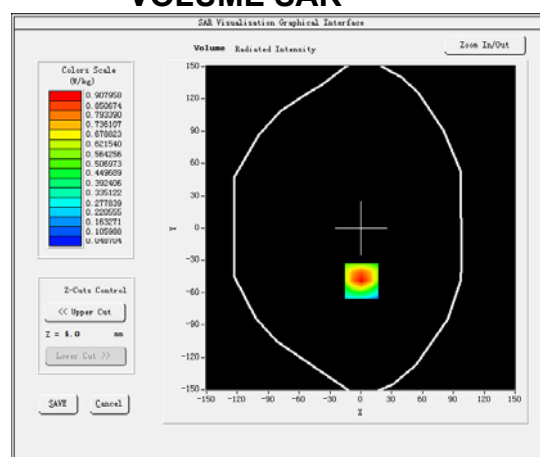
Frequency (MHz)	836.600000
Relative permittivity (real part)	55.242077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.943587
Variation (%)	1.000000
Crest Factor:	2.0
Probe Conversion factor	5.22
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	dx=8mm dy=8mm, h= 5.00 mm
ZoomScan	5x5x7, dx=8mm dy=8mm dz=5mm, Complete/ndx=8mm dy=8mm, h= 5.00 mm

Phantom	Validation plane
Device Position	Body back
Band	GSM850(GPRS 4slot hotspot)

SURFACE SAR

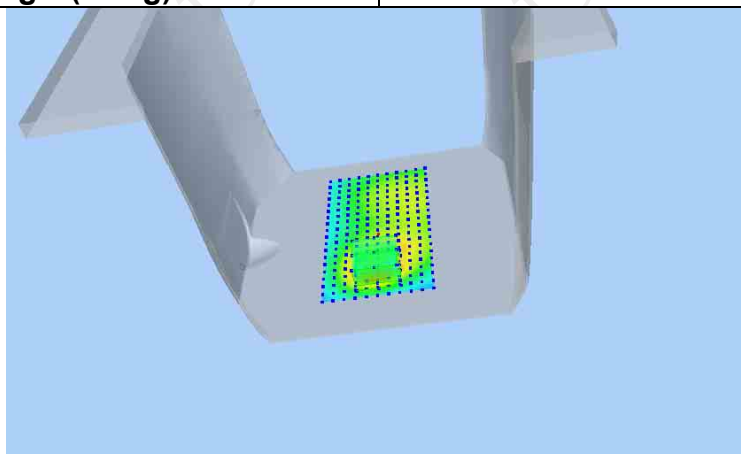


VOLUME SAR



Maximum location: X=1.00, Y=-49.00 SAR Peak: 1.47 W/kg

SAR 10g (W/Kg)	0.470838
SAR 1g (W/Kg)	0.863918



MEASUREMENT 5

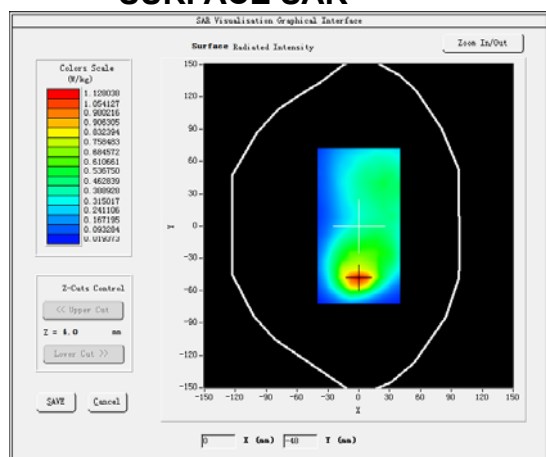
Higher Band SAR (Channel251):

Date: 02/09/2016

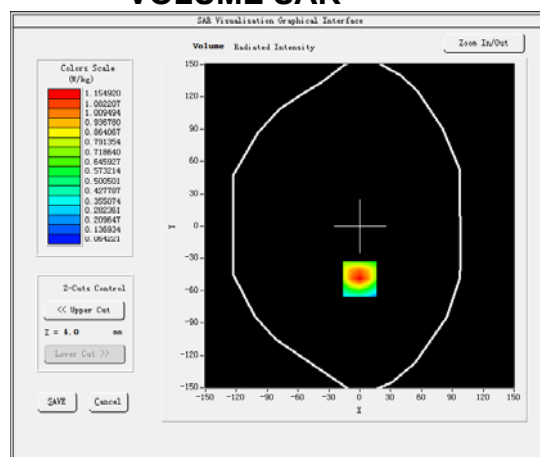
Frequency (MHz)	848.800000
Relative permittivity (real part)	55.212077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.971188
Variation (%)	2.990000
Crest Factor:	2.0
Probe Conversion factor	5.22
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>

Phantom	<u>Validation plane</u>
Device Position	<u>Body back</u>
Band	<u>GSM850(GPRS 4slot hotspot)</u>

SURFACE SAR

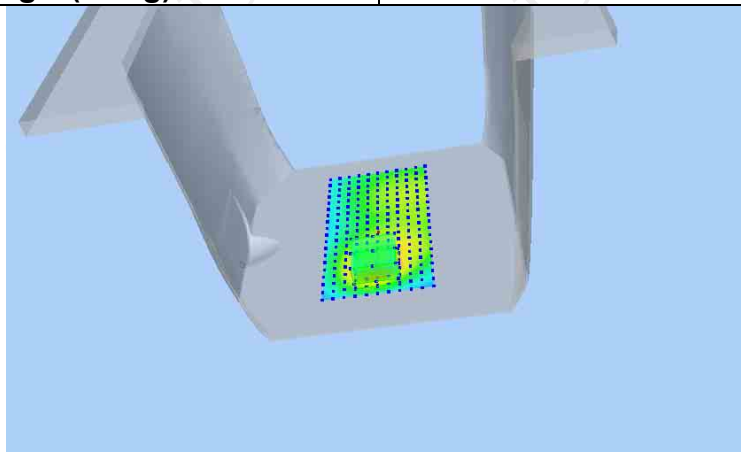


VOLUME SAR



Maximum location: X=0.00, Y=-49.00 SAR Peak: 1.81 W/kg

SAR 10g (W/Kg)	0.508559
SAR 1g (W/Kg)	0.914081



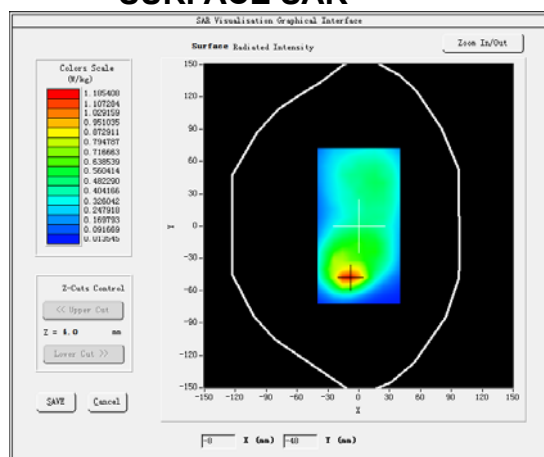
MEASUREMENT 6

High Band SAR (Channel251):

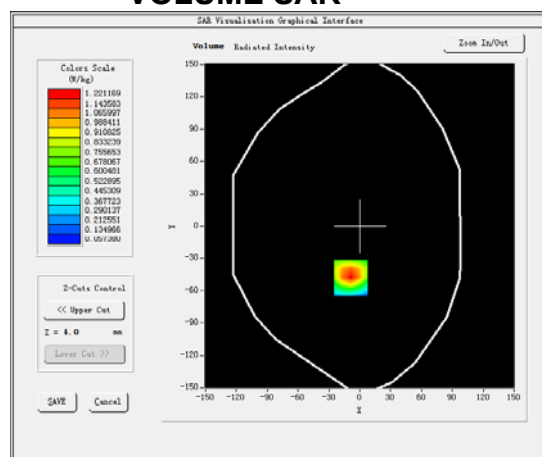
Date: 02/09/2016

Frequency (MHz)	848.800000
Relative permittivity (real part)	55.212077
Relative permittivity (imaginary part)	21.378187
Conductivity (S/m)	0.971188
Variation (%)	-2.130000
Crest Factor:	2.0
Probe Conversion factor	5.22
E-Field Probe:	SSE5 (SN 07/15 EP248)
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
Band	GSM850(GPRS 4slot hotspot)

SURFACE SAR

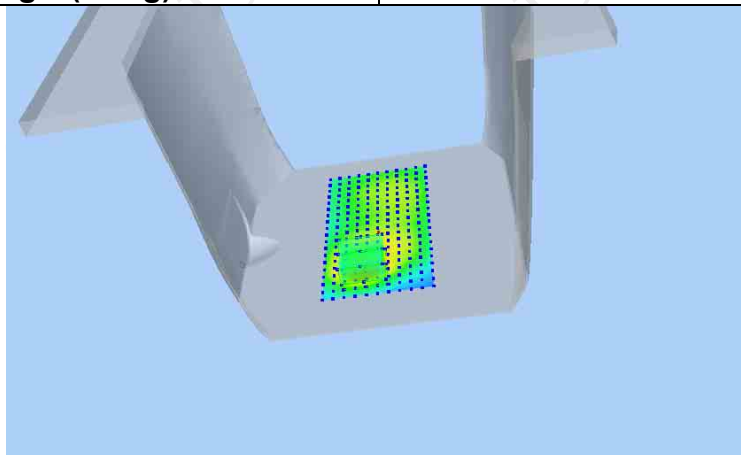


VOLUME SAR



Maximum location: X=-9.00, Y=-48.00 SAR Peak: 1.78 W/kg

SAR 10g (W/Kg)	0.525515
SAR 1g (W/Kg)	0.923995



PCS1900

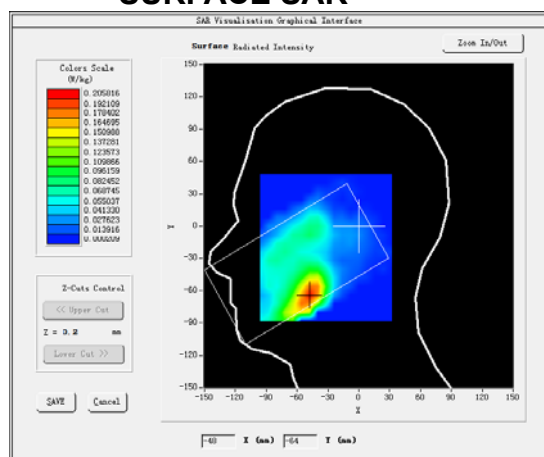
MEASUREMENT 1

Higher Band SAR (Channel 810):

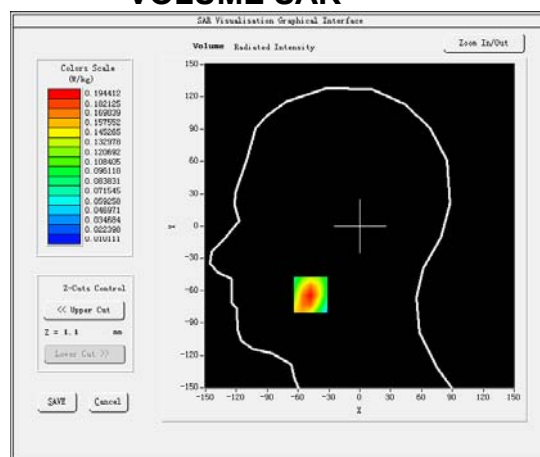
Date: 06/09/2016

Frequency (MHz)	1909.800049
Relative permittivity (real part)	38.870125
Relative permittivity (imaginary part)	12.607061
Conductivity (S/m)	1.392547
Variation (%)	-2.140000
Crest Factor	8.3
Probe Conversion factor	4.86
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	Right head
Device Position	Cheek
Band	PCS1900(voice)

SURFACE SAR



VOLUME SAR



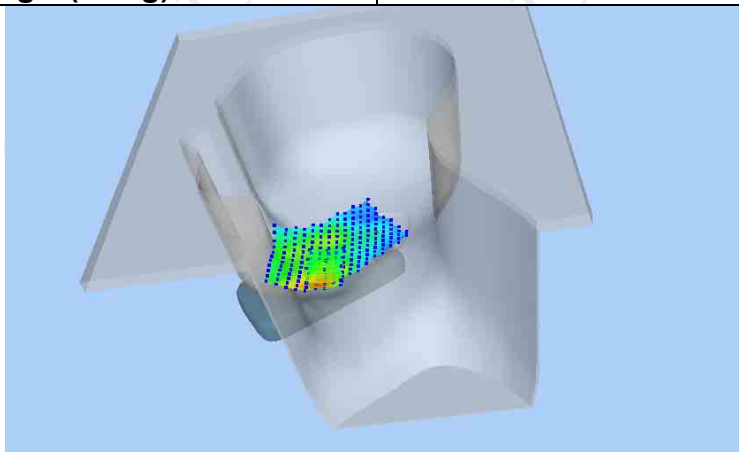
Maximum location: X=-48.00, Y=-64.00 SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)

0.116782

SAR 1g (W/Kg)

0.183516



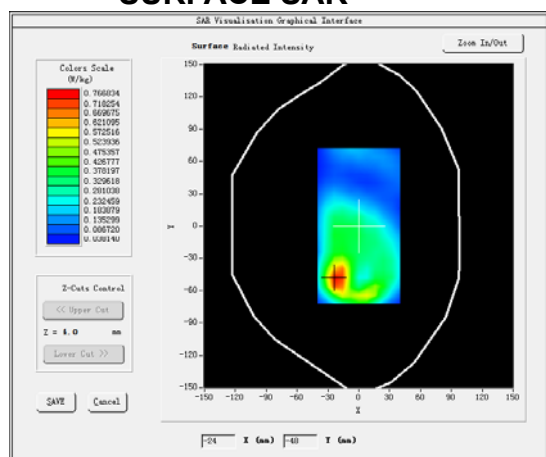
MEASUREMENT 2

Higher Band SAR (Channel 810):

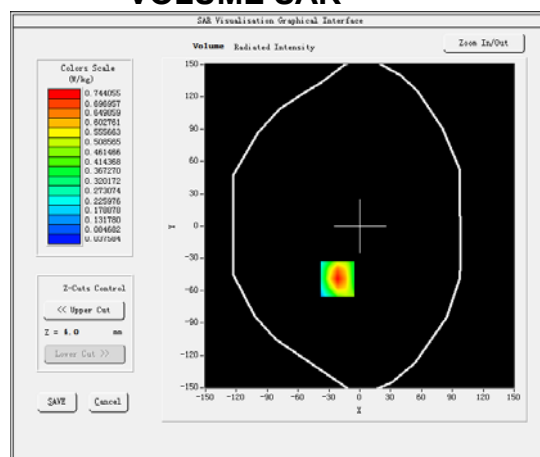
Date: 06/09/2016

Frequency (MHz)	1909.800049
Relative permittivity (real part)	52.094257
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.541233
Variation (%)	3.060000
Crest Factor	8.3
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back</u>
Band	<u>PCS1900(voice)</u>

SURFACE SAR



VOLUME SAR



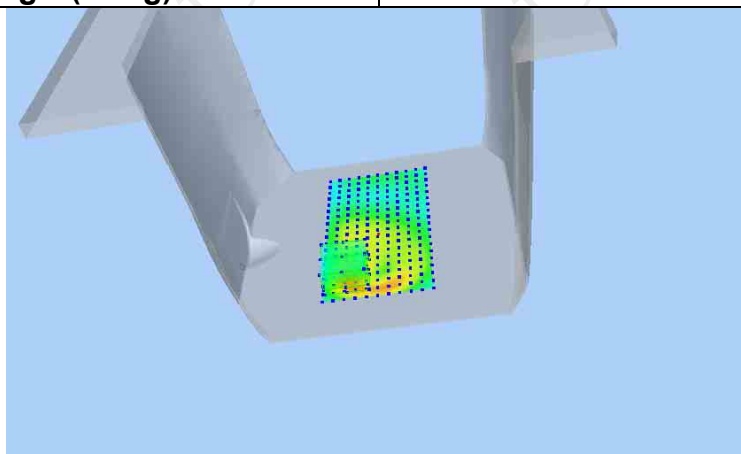
Maximum location: X=-22.00, Y=-49.00 SAR Peak: 1.13 W/kg

SAR 10g (W/Kg)

0.383174

SAR 1g (W/Kg)

0.693489



MEASUREMENT 3

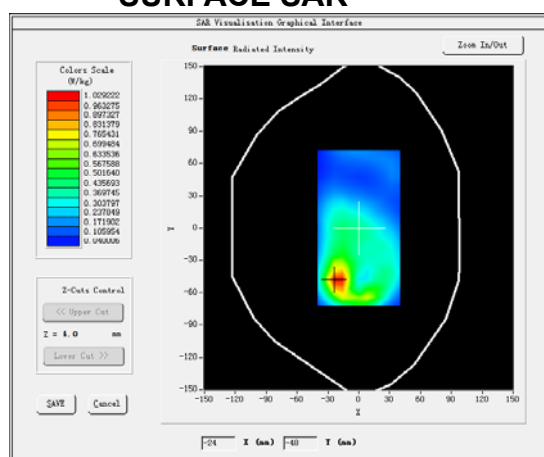
Lower Band SAR (Channel 512):

Date: 06/09/2016

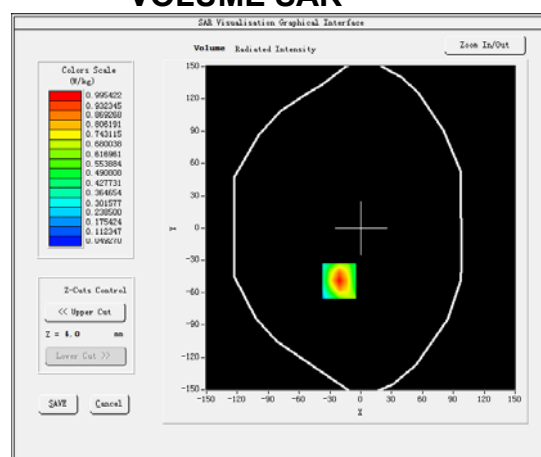
Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.143690
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.500124
Variation (%)	-2.510000
Crest Factor	2.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>

Phantom	<u>Validation plane</u>
Device Position	<u>Body back</u>
Band	<u>PCS1900(GPRS 4slot hotspot)</u>

SURFACE SAR

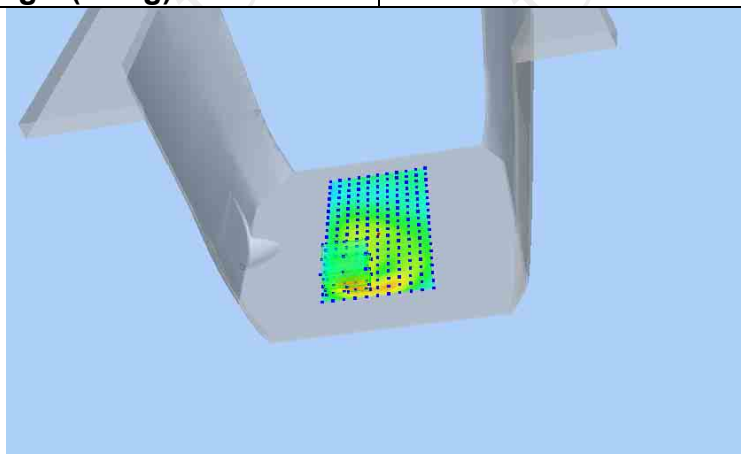


VOLUME SAR



Maximum location: X=-21.00, Y=-49.00 SAR Peak: 1.50 W/kg

SAR 10g (W/Kg)	0.503382
SAR 1g (W/Kg)	0.922169



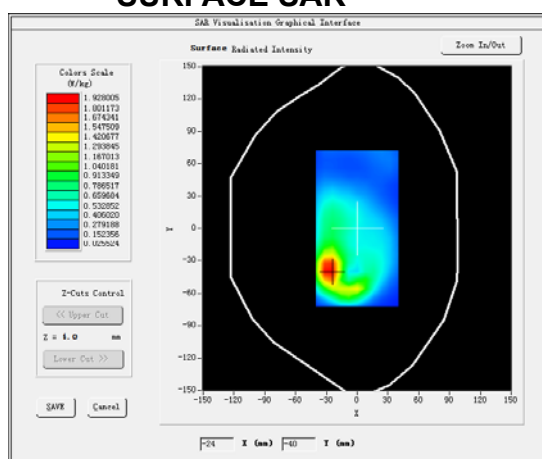
MEASUREMENT 4

Middle Band SAR (Channel 661):

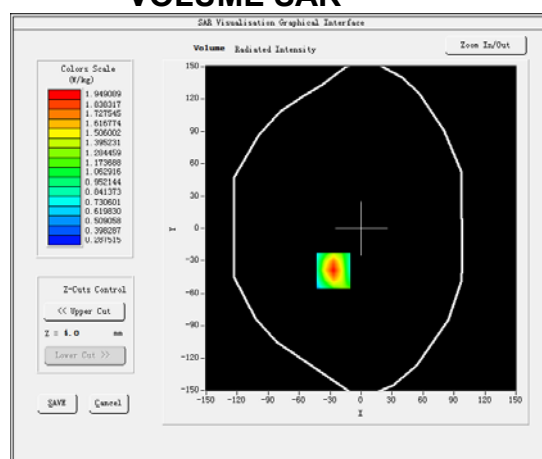
Date: 06/09/2016

Frequency (MHz)	1880.000000
Relative permittivity (real part)	52.122360
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.514788
Variation (%)	-2.510000
Crest Factor	2.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back</u>
Band	<u>PCS1900(GPRS 4slot hotspot)</u>

SURFACE SAR



VOLUME SAR



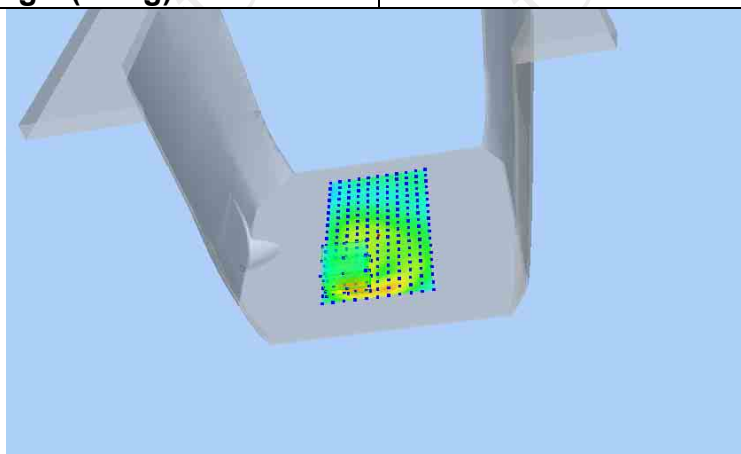
Maximum location: X=-27.00, Y=-39.00 SAR Peak: 3.85 W/kg

SAR 10g (W/Kg)

0.492547

SAR 1g (W/Kg)

0.932365



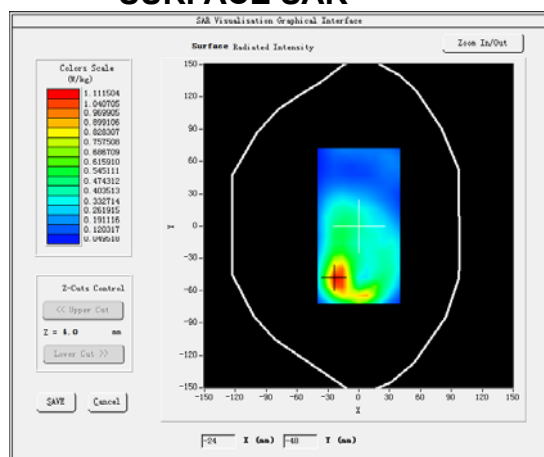
MEASUREMENT 5

Higher Band SAR (Channel 810):

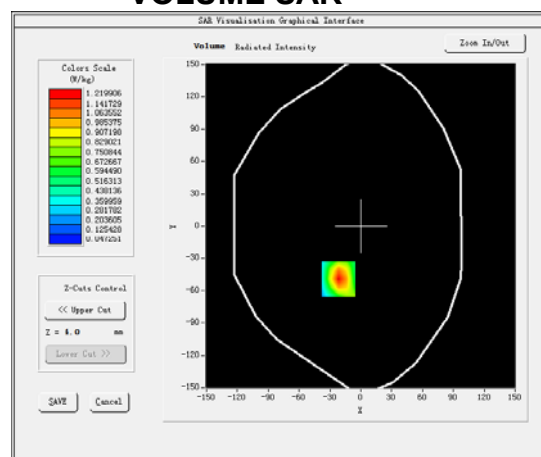
Date: 06/09/2016

Frequency (MHz)	1909.800049
Relative permittivity (real part)	52.094257
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.541233
Variation (%)	-2.750000
Crest Factor	2.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back</u>
Band	<u>PCS1900(GPRS 4slot hotspot)</u>

SURFACE SAR



VOLUME SAR



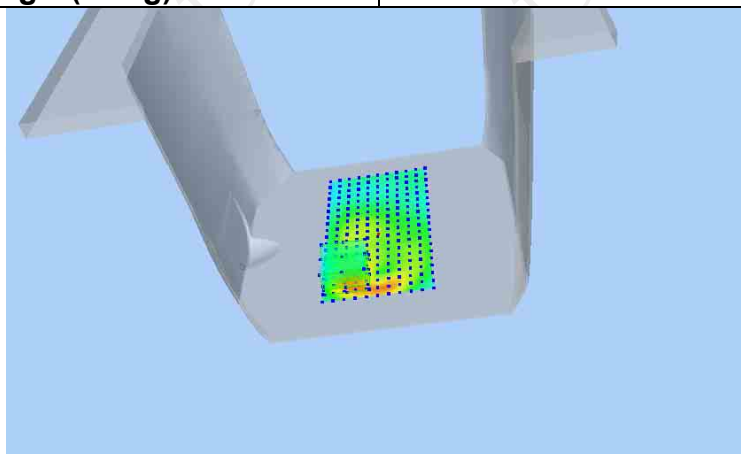
Maximum location: X=-22.00, Y=-49.00 SAR Peak: 2.00 W/kg

SAR 10g (W/Kg)

0.590107

SAR 1g (W/Kg)

1.010895



MEASUREMENT 6

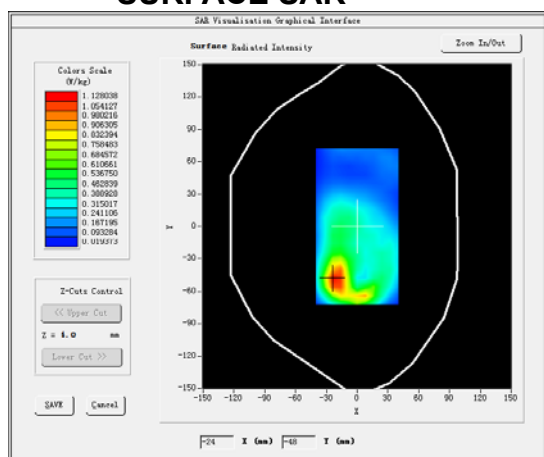
Higher Band SAR (Channel 810):

Date: 06/09/2016

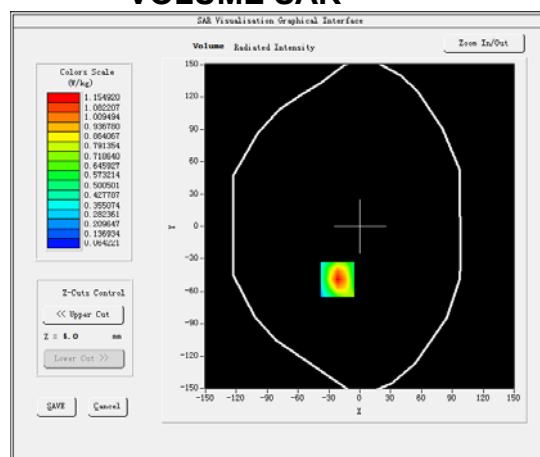
Frequency (MHz)	1909.800049
Relative permittivity (real part)	52.094257
Relative permittivity (imaginary part)	14.232400
Conductivity (S/m)	1.541233
Variation (%)	3.150000
Crest Factor	2.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>

Phantom	<u>Validation plane</u>
Device Position	<u>Body back</u>
Band	<u>PCS1900(GPRS 4slot hotspot)</u>

SURFACE SAR

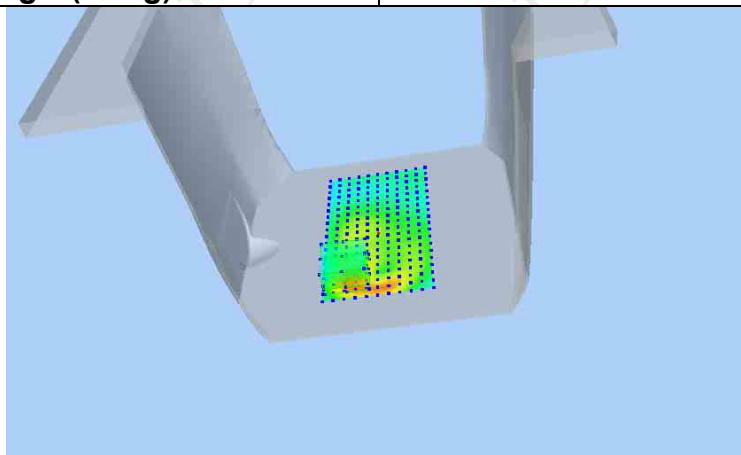


VOLUME SAR



Maximum location: X=-22.00, Y=-49.00 SAR Peak: 2.00 W/kg

SAR 10g (W/Kg)	0.568741
SAR 1g (W/Kg)	1.020154



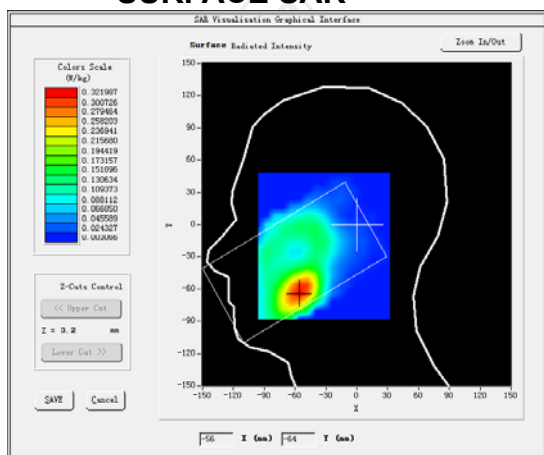
WCDMA Band IV
MEASUREMENT 1

Lower Band SAR (Channel 1412):

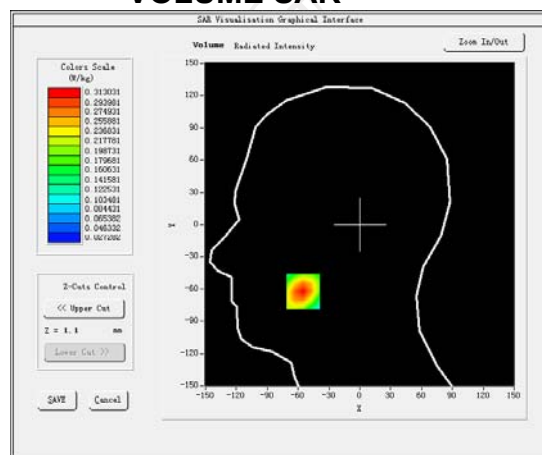
Date: 05/09/2016

Frequency (MHz)	1732.000000
Relative permittivity (real part)	39.104959
Relative permittivity (imaginary part)	13.809060
Conductivity (S/m)	1.348738
Variation (%)	-2.250000
Crest Factor	1.0
Probe Conversion factor	4.86
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>BAND1 WCDMA1700</u>

SURFACE SAR

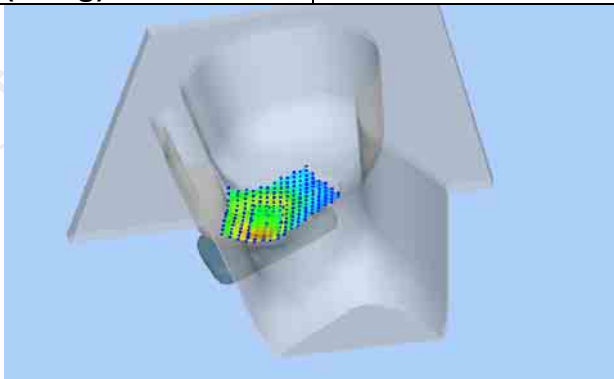


VOLUME SAR



Maximum location: X=-55.00, Y=-62.00 SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.187715
SAR 1g (W/Kg)	0.294950



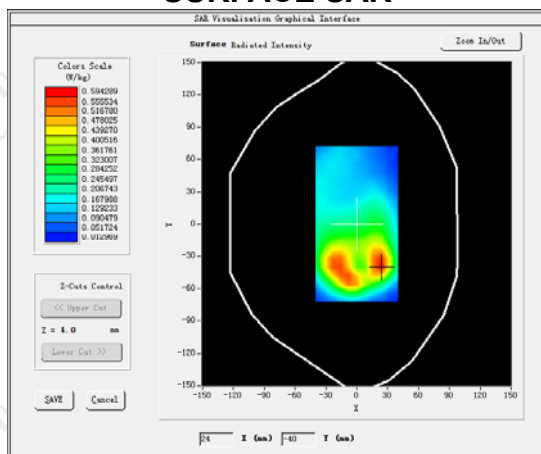
MEASUREMENT 2

Lower Band SAR (Channel 1412):

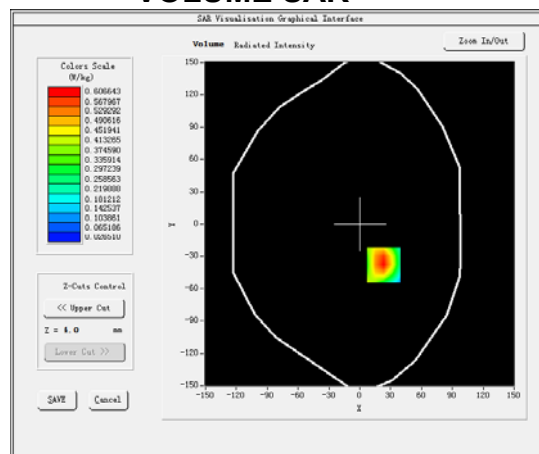
Date: 05/09/2016

Frequency (MHz)	1732.000000
Relative permittivity (real part)	53.322660
Relative permittivity (imaginary part)	14.700620
Conductivity (S/m)	1.500860
Variation (%)	-1.880000
Crest Factor	1.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back</u>
Band	<u>BAND1 WCDMA1700</u>

SURFACE SAR

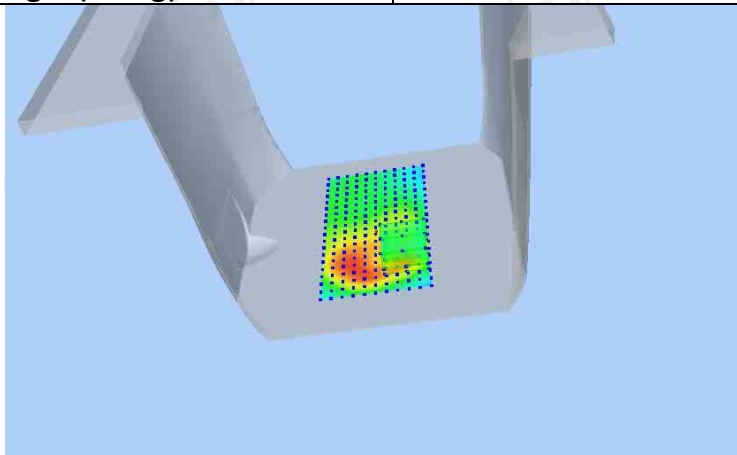


VOLUME SAR



Maximum location: X=23.00, Y=-38.00 SAR Peak: 0.91 W/kg

SAR 10g (W/Kg)	0.329197
SAR 1g (W/Kg)	0.570968



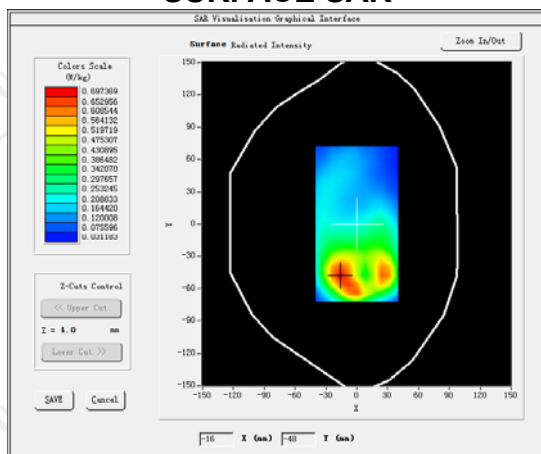
MEASUREMENT 3

Lower Band SAR (Channel 1412):

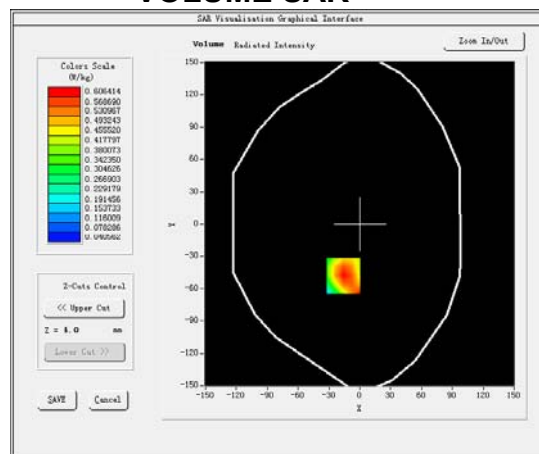
Date: 05/09/2016

Frequency (MHz)	1732.000000
Relative permittivity (real part)	53.322660
Relative permittivity (imaginary part)	14.700620
Conductivity (S/m)	1.500860
Variation (%)	-3.860000
Crest Factor	1.0
Probe Conversion factor	5.05
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body front</u>
Band	<u>BAND1 WCDMA1700</u>

SURFACE SAR

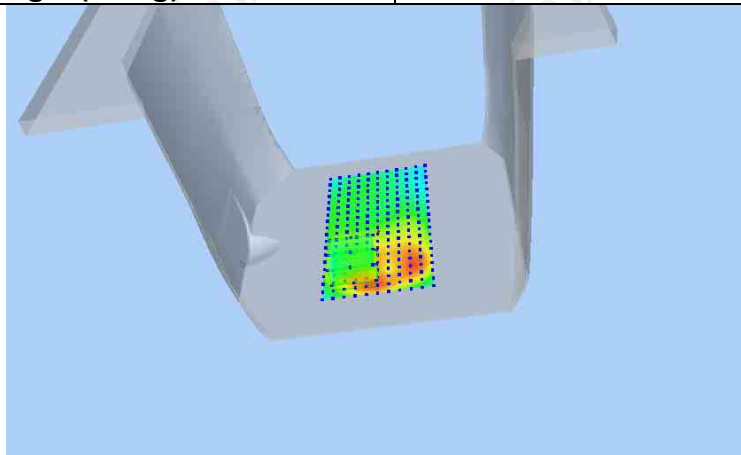


VOLUME SAR



Maximum location: X=-16.00, Y=-48.00 SAR Peak: 0.85 W/kg

SAR 10g (W/Kg)	0.360389
SAR 1g (W/Kg)	0.524295



WLAN 2.4

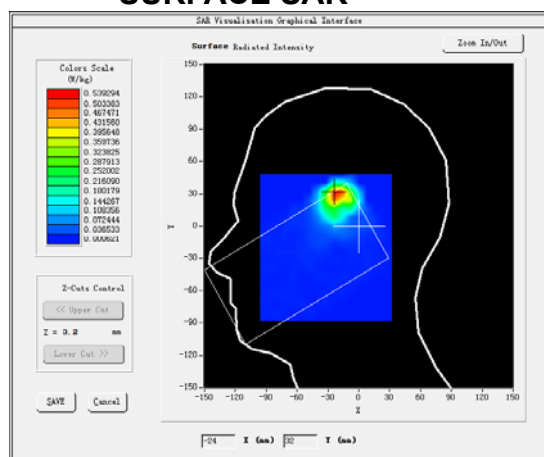
MEASUREMENT 1

Lower Band SAR (Channel 1):

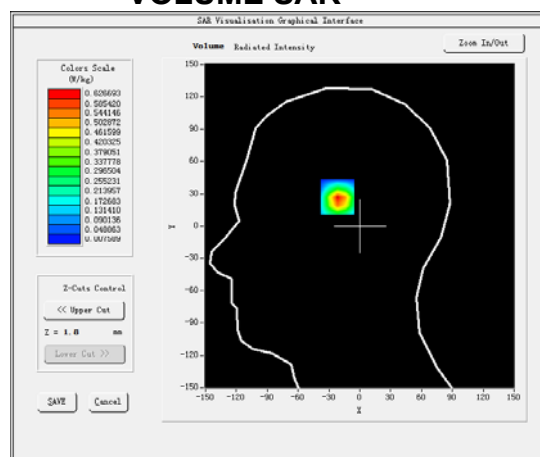
Date: 07/09/2016

Frequency (MHz)	2412.000000
Relative permittivity (real part)	37.841613
Relative permittivity (imaginary part)	13.546980
Conductivity (S/m)	1.794111
Variation (%)	-3.780000
Crest Factor	1.0
Probe Conversion factor	4.21
E-Field Probe:	SSE5 (SN 07/15 EP248)
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	Right head
Device Position	Cheek
Band	IEEE 802.11b ISM

SURFACE SAR



VOLUME SAR



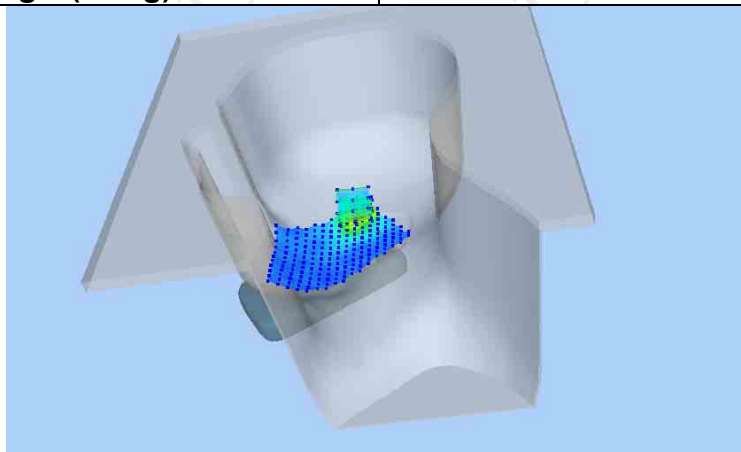
Maximum location: X=-22.00, Y=30.00 SAR Peak: 1.24 W/kg

SAR 10g (W/Kg)

0.246672

SAR 1g (W/Kg)

0.499826



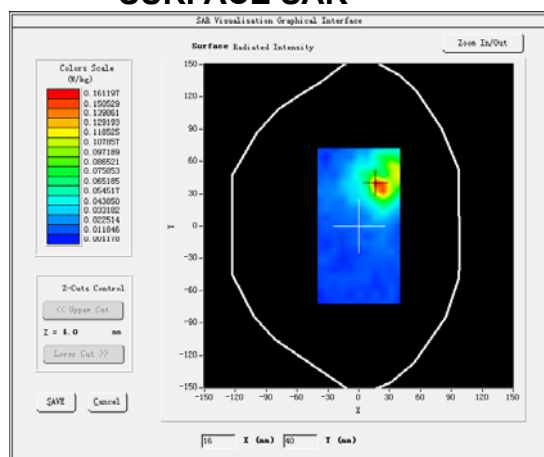
MEASUREMENT 2

Lower Band SAR (Channel 1):

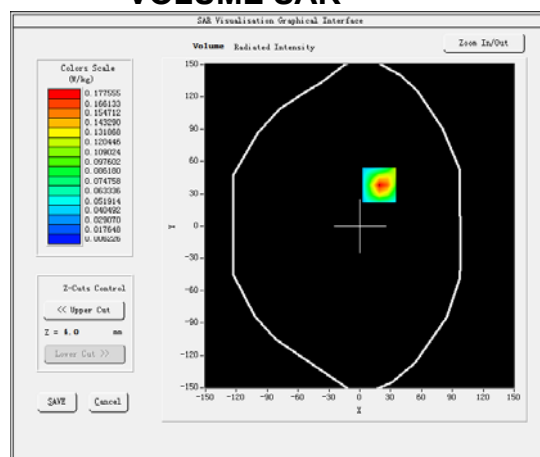
Date: 07/09/2016

Frequency (MHz)	2412.000000
Relative permittivity (real part)	53.650667
Relative permittivity (imaginary part)	14.318444
Conductivity (S/m)	1.972536
Variation (%)	-4.210000
Crest Factor	1.0
Probe Conversion factor	4.36
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	Validation plane
Device Position	Body back
Band	<u>IEEE 802.11b ISM</u>

SURFACE SAR



VOLUME SAR



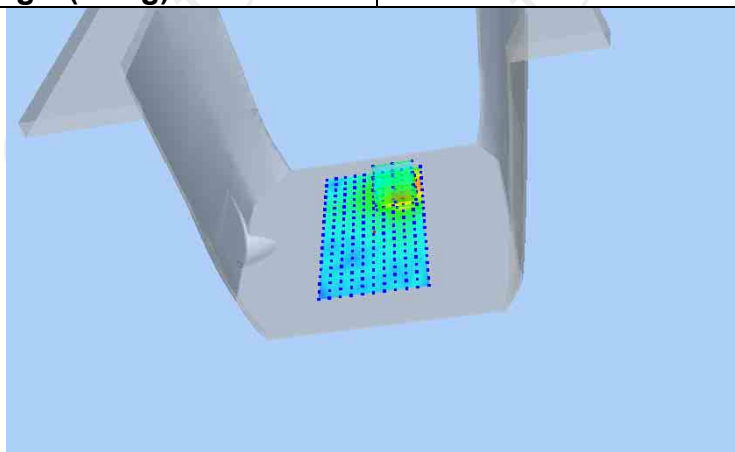
Maximum location: X=19.00, Y=38.00 SAR Peak: 0.31 W/kg

SAR 10g (W/Kg)

0.080811

SAR 1g (W/Kg)

0.170980



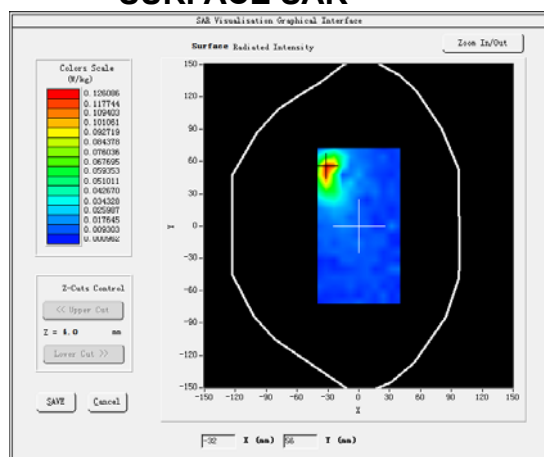
MEASUREMENT 3

Lower Band SAR (Channel 1):

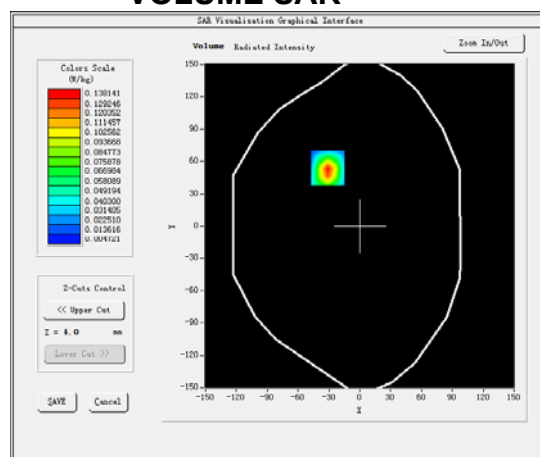
Date: 07/09/2016

Frequency (MHz)	2412.000000
Relative permittivity (real part)	53.650667
Relative permittivity (imaginary part)	14.318444
Conductivity (S/m)	1.972536
Variation (%)	1.780000
Crest Factor	1.0
Probe Conversion factor	4.36
E-Field Probe:	SSE5 (SN 07/15 EP248)
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	Validation plane
Device Position	Body back
Band	<u>IEEE 802.11b ISM</u>

SURFACE SAR

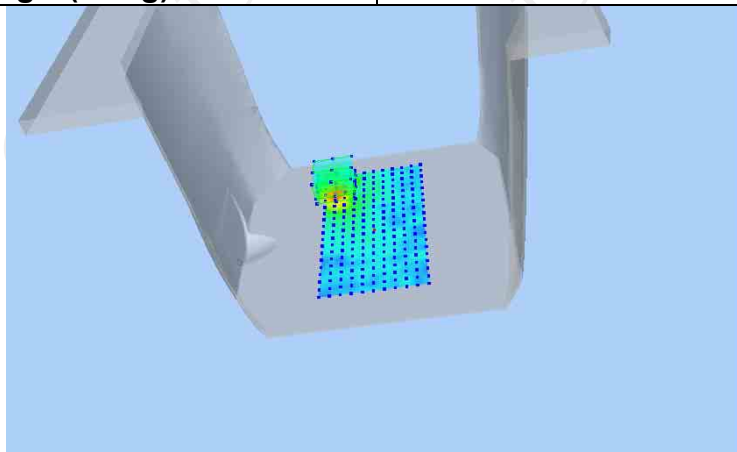


VOLUME SAR



Maximum location: X=-31.00, Y=54.00 SAR Peak: 0.25 W/kg

SAR 10g (W/Kg)	0.061644
SAR 1g (W/Kg)	0.133034



LTE II

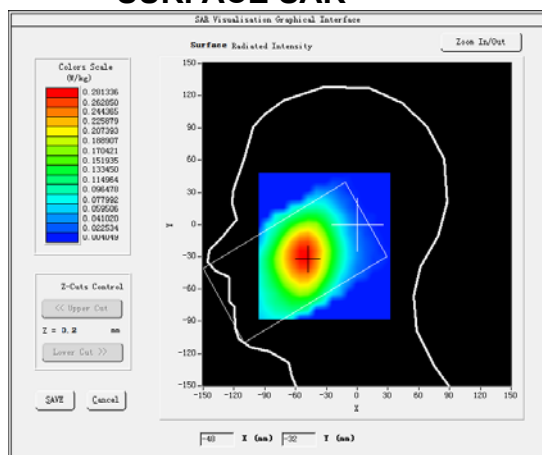
MEASUREMENT 1

Lower Band SAR (Channel 18700):

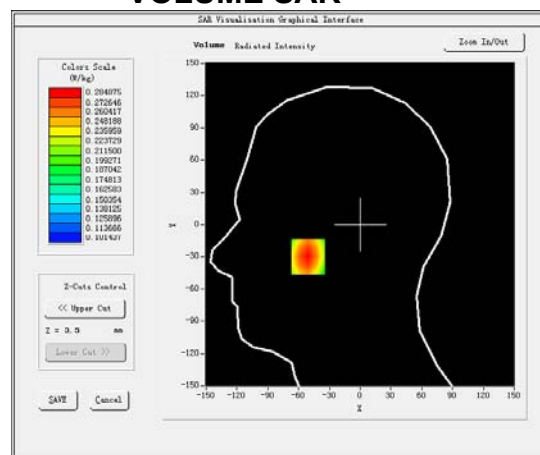
Date: 06/09/2016

Frequency (MHz)	1860.000000
Relative permittivity (real part)	38.910021
Relative permittivity (imaginary part)	13.411700
Conductivity (S/m)	1.352254
Variation (%)	0.530000
Crest Factor	1.0
Probe Conversion factor	4.86
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	Right head
Device Position	Cheek(QPSK 1RB)
Band	LTE band 2

SURFACE SAR

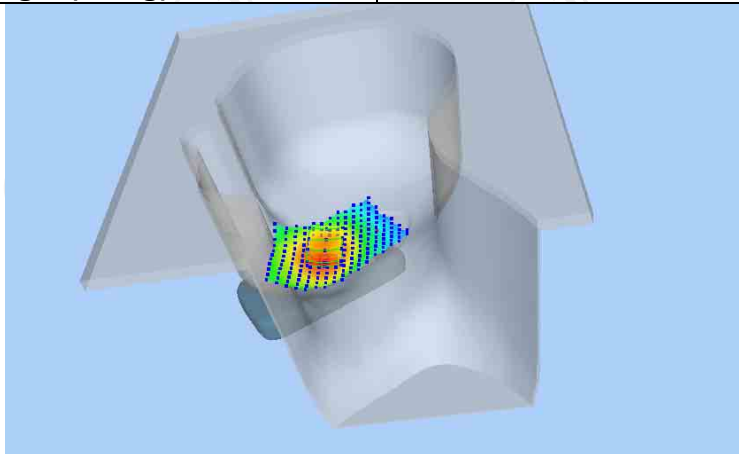


VOLUME SAR



Maximum location: X=-51.00, Y=-30.00 SAR Peak: 0.31 W/kg

SAR 10g (W/Kg)	0.236870
SAR 1g (W/Kg)	0.278353



MEASUREMENT 2

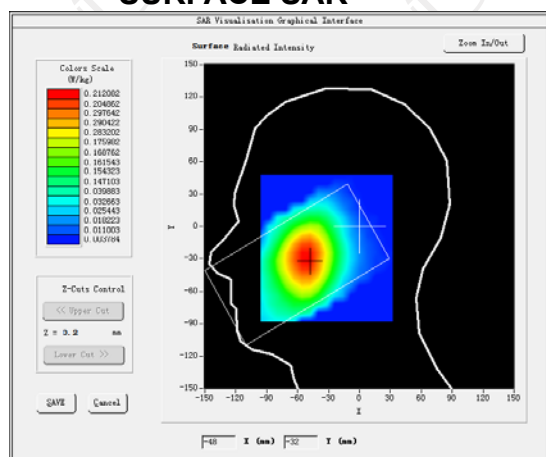
Lower Band SAR (Channel 18700):

Date: 06/09/2016

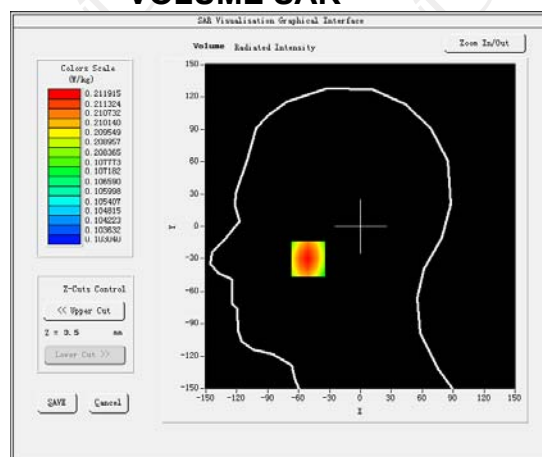
Frequency (MHz)	1860.000000
Relative permittivity (real part)	38.910021
Relative permittivity (imaginary part)	13.411700
Conductivity (S/m)	1.352254
Variation (%)	2.140000
Crest Factor	1.0
Probe Conversion factor	5.05
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>

Phantom	<u>Right head</u>
Device Position	<u>Cheek(QPSK 50%RB)</u>
Band	<u>LTE band 2</u>

SURFACE SAR

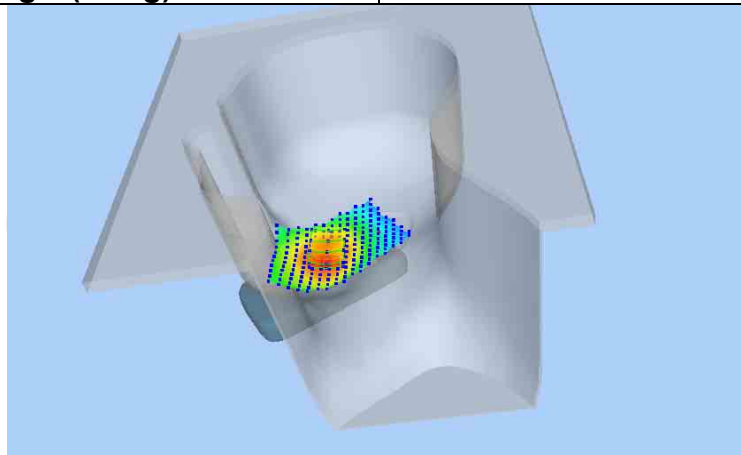


VOLUME SAR



Maximum location: X=-51.00, Y=-30.00 SAR Peak: 0.28 W/kg

SAR 10g (W/Kg)	0.215478
SAR 1g (W/Kg)	0.202587



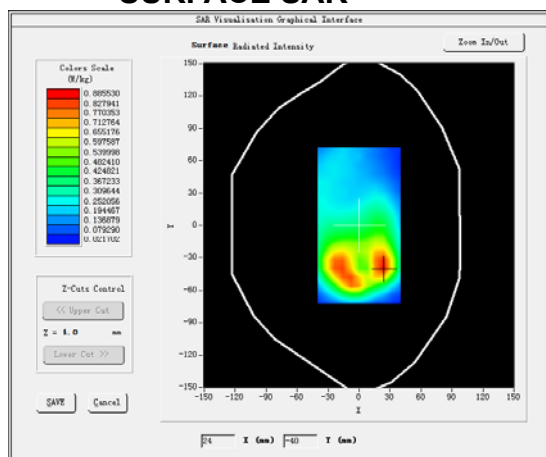
MEASUREMENT 3

Lower Band SAR (Channel 18700):

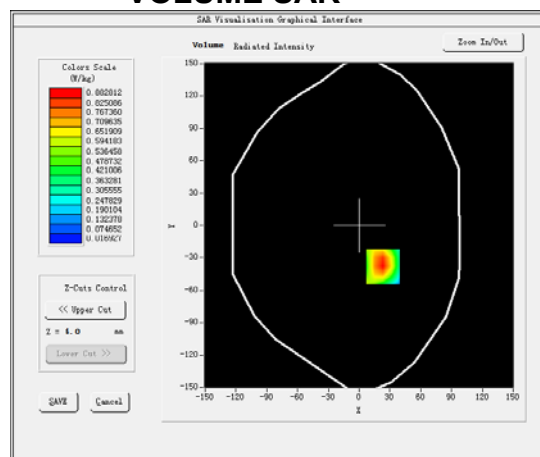
Date: 06/09/2016

Frequency (MHz)	1860.000000
Relative permittivity (real part)	52.142547
Relative permittivity (imaginary part)	13.770436
Conductivity (S/m)	1.501456
Variation (%)	-0.500000
Crest Factor	1.0
Probe Conversion factor	5.05
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back(QPSK 1RB)</u>
Band	<u>LTE band 2</u>

SURFACE SAR

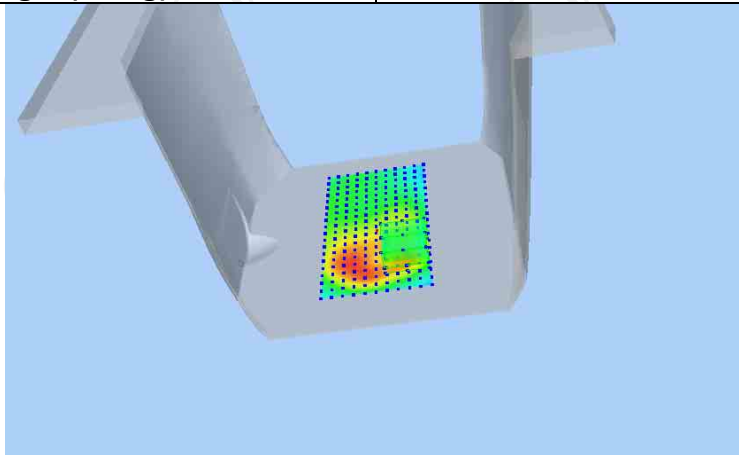


VOLUME SAR



Maximum location: X=23.00, Y=-38.00 SAR Peak: 1.39 W/kg

SAR 10g (W/Kg)	0.327816
SAR 1g (W/Kg)	0.705521



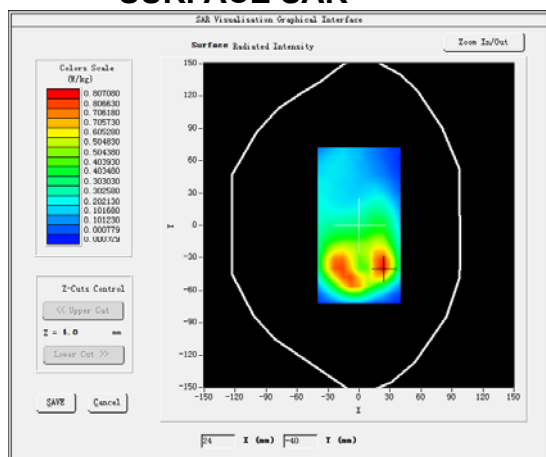
MEASUREMENT 4

Lower Band SAR (Channel 18700):

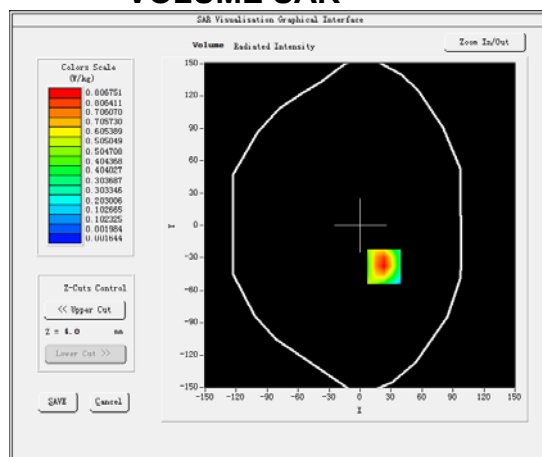
Date: 06/09/2016

Frequency (MHz)	1860.000000
Relative permittivity (real part)	52.142547
Relative permittivity (imaginary part)	13.770436
Conductivity (S/m)	1.501456
Variation (%)	2.330000
Crest Factor	1.0
Probe Conversion factor	5.05
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 Cheek(QPSK 50%RB)
Band	LTE band 2

SURFACE SAR

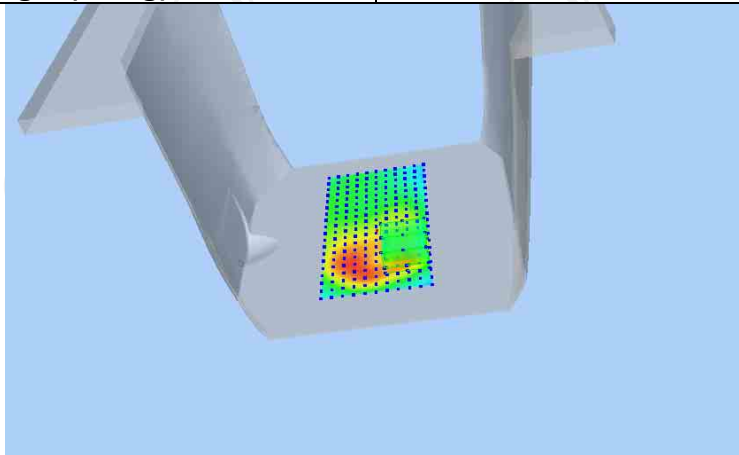


VOLUME SAR



Maximum location: X=23.00, Y=-38.00 SAR Peak: 1.16 W/kg

SAR 10g (W/Kg)	0.365479
SAR 1g (W/Kg)	0.542546



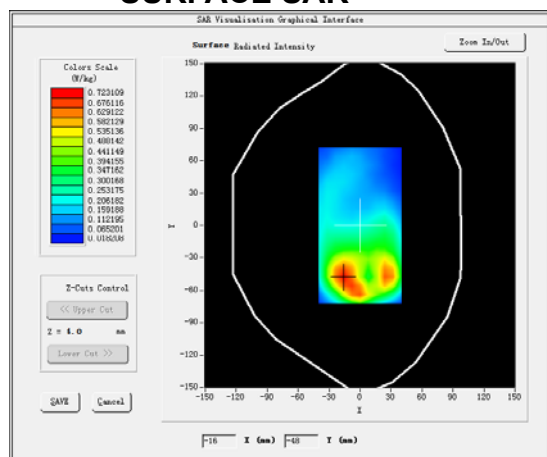
MEASUREMENT 5

Lower Band SAR (Channel 18700):

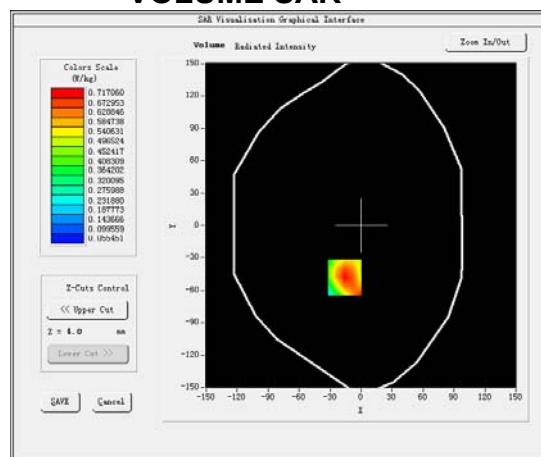
Date: 06/09/2016

Frequency (MHz)	1860.000000
Relative permittivity (real part)	52.142547
Relative permittivity (imaginary part)	13.770436
Conductivity (S/m)	1.501456
Variation (%)	-0.310000
Crest Factor	1.0
Probe Conversion factor	5.05
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 front(QPSK 1RB)
Band	LTE band 2

SURFACE SAR

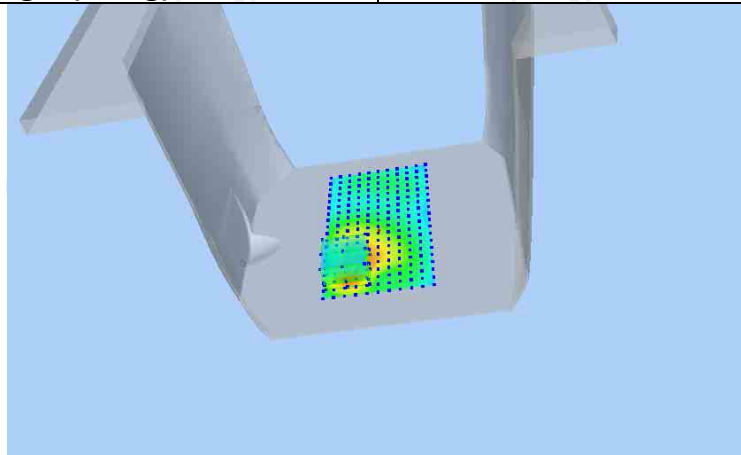


VOLUME SAR



Maximum location: X=-16.00, Y=-48.00 SAR Peak: 1.15 W/kg

SAR 10g (W/Kg)	0.390227
SAR 1g (W/Kg)	0.683341



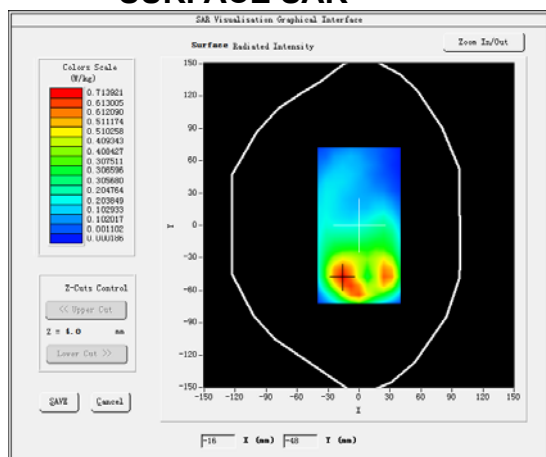
MEASUREMENT 6

Lower Band SAR (Channel 18700):

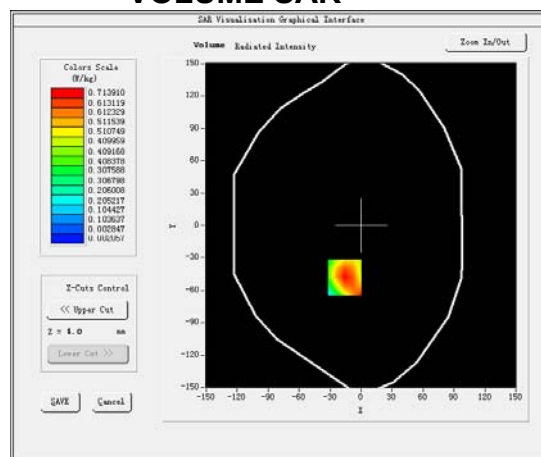
Date: 06/09/2016

Frequency (MHz)	1860.000000
Relative permittivity (real part)	52.142547
Relative permittivity (imaginary part)	13.770436
Conductivity (S/m)	1.501456
Variation (%)	0.330000
Crest Factor	1.0
Probe Conversion factor	5.05
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 front Cheek(QPSK 50%RB)
Band	LTE band 2

SURFACE SAR

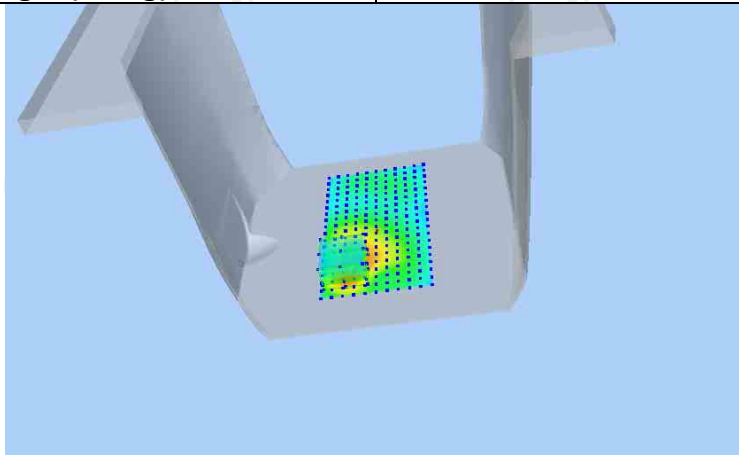


VOLUME SAR



Maximum location: X=-16.00, Y=-48.00 SAR Peak: 1.04 W/kg

SAR 10g (W/Kg)	0.324873
SAR 1g (W/Kg)	0.572547



LTE IV

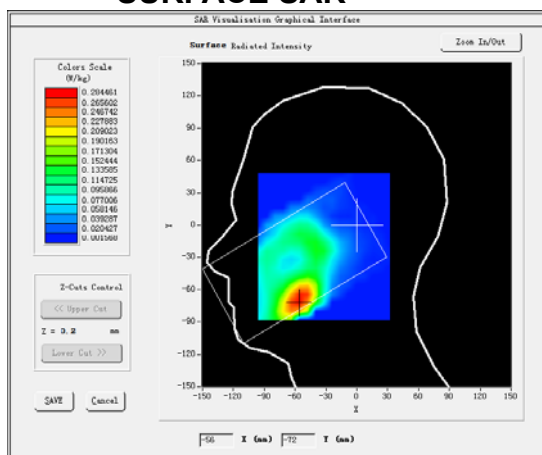
MEASUREMENT 1

Lower Band SAR (Channel 20050):

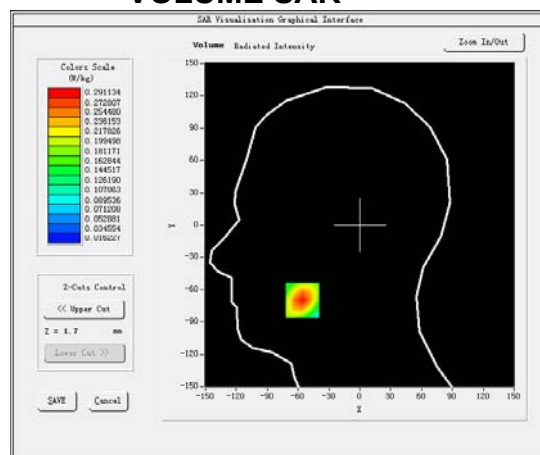
Date: 05/09/2016

Frequency (MHz)	1720.000000
Relative permittivity (real part)	39.111249
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.340792
Variation (%)	-3.780000
Crest Factor	1.0
Probe Conversion factor	4.21
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>LTE band 4</u>

SURFACE SAR

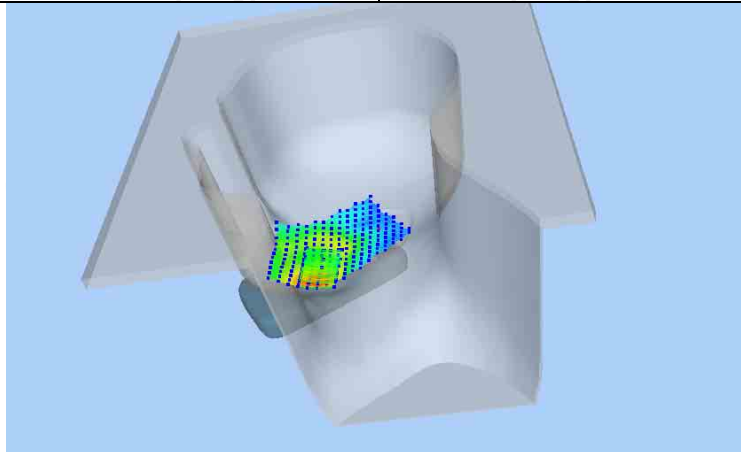


VOLUME SAR



Maximum location: X=-56.00, Y=-70.00 SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.173499
SAR 1g (W/Kg)	0.273824



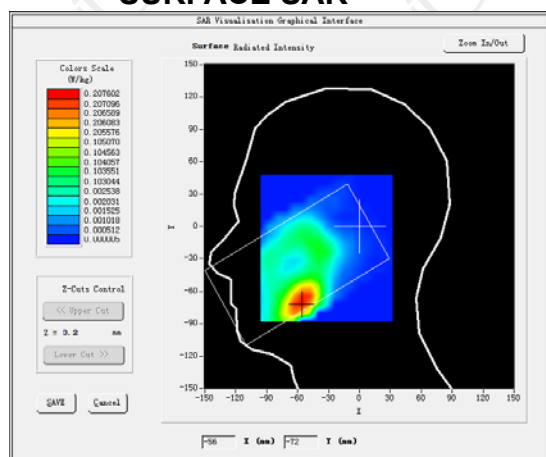
MEASUREMENT 2

Lower Band SAR (Channel 20050):

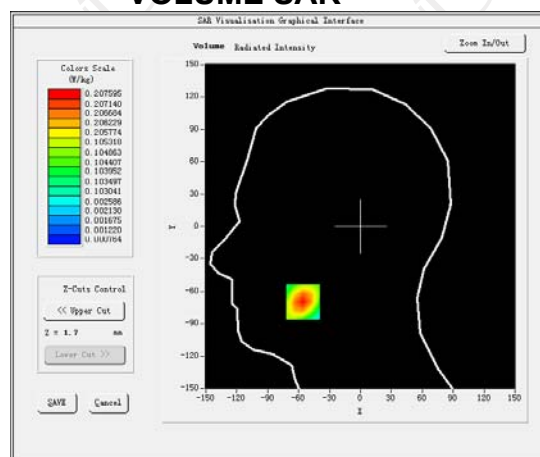
Date: 05/09/2016

Frequency (MHz)	1720.000000
Relative permittivity (real part)	39.111249
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.340792
Variation (%)	2.140000
Crest Factor	1.0
Probe Conversion factor	4.33
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>LTE band 4</u>

SURFACE SAR



VOLUME SAR



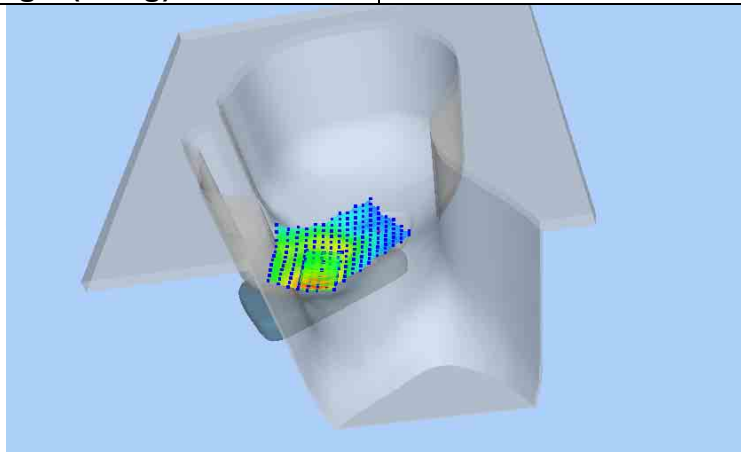
Maximum location: X=-56.00, Y=-70.00 SAR Peak: 0.31 W/kg

SAR 10g (W/Kg)

0.153267

SAR 1g (W/Kg)

0.201458



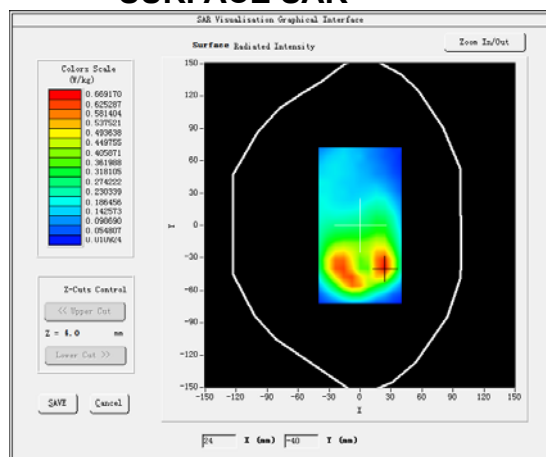
MEASUREMENT 3

Lower Band SAR (Channel 20050):

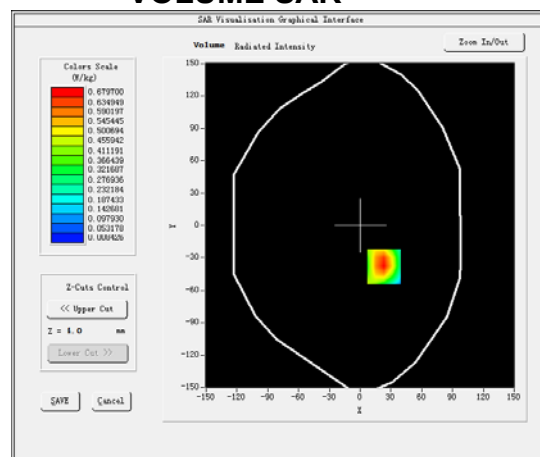
Date: 05/09/2016

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.341259
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.492541
Variation (%)	1.130000
Crest Factor	1.0
Probe Conversion factor	4.33
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body back</u>
Band	<u>LTE band 4</u>

SURFACE SAR

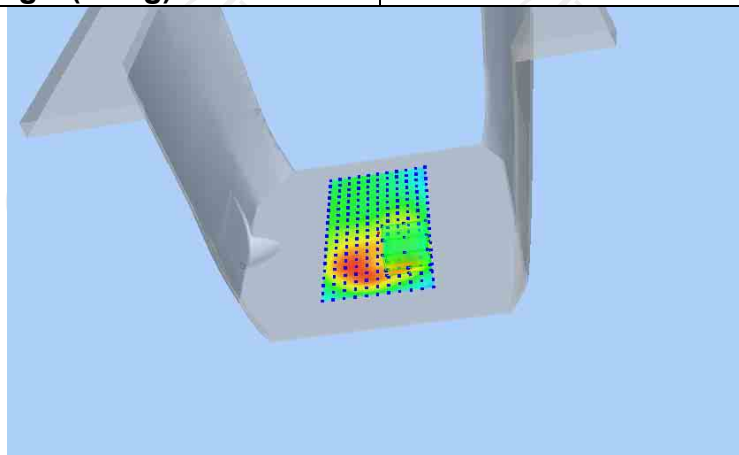


VOLUME SAR



Maximum location: X=23.00, Y=-38.00 SAR Peak: 1.29 W/kg

SAR 10g (W/Kg)	0.307046
SAR 1g (W/Kg)	0.648106



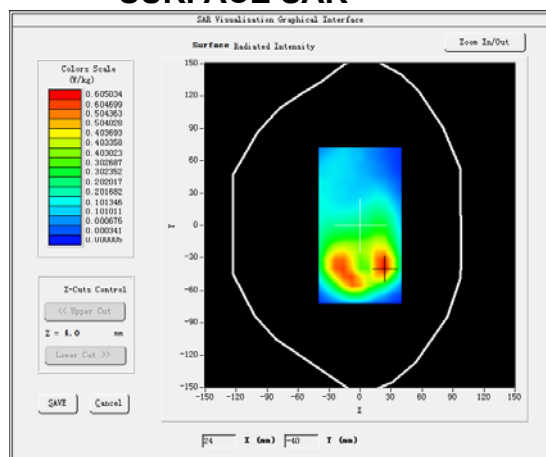
MEASUREMENT 4

Lower Band SAR (Channel 20050):

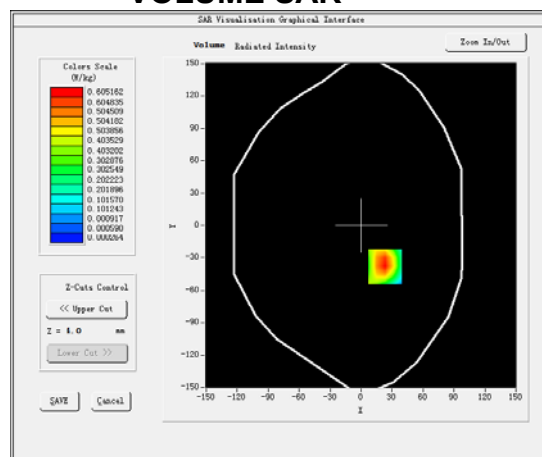
Date: 05/09/2016

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.341259
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.492541
Variation (%)	2.330000
Crest Factor	1.0
Probe Conversion factor	4.33
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
Band	LTE band 4

SURFACE SAR

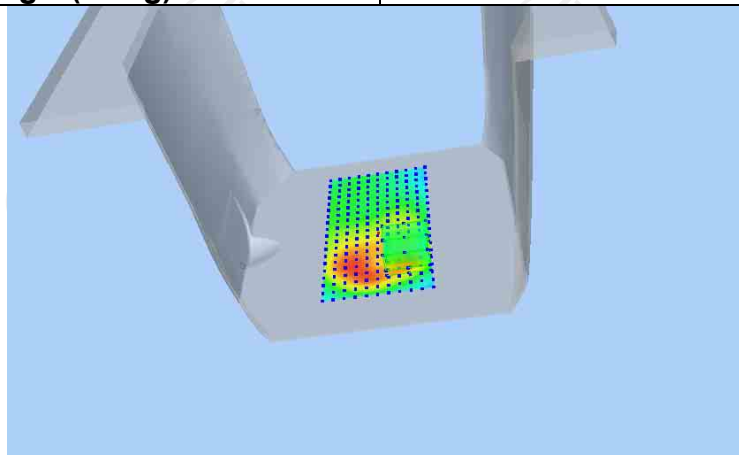


VOLUME SAR



Maximum location: X=23.00, Y=-38.00 SAR Peak: 1.03 W/kg

SAR 10g (W/Kg)	0.312587
SAR 1g (W/Kg)	0.541587



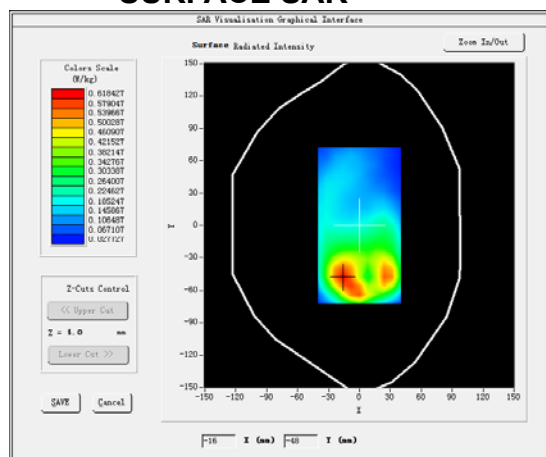
MEASUREMENT 5

Lower Band SAR (Channel 20050):

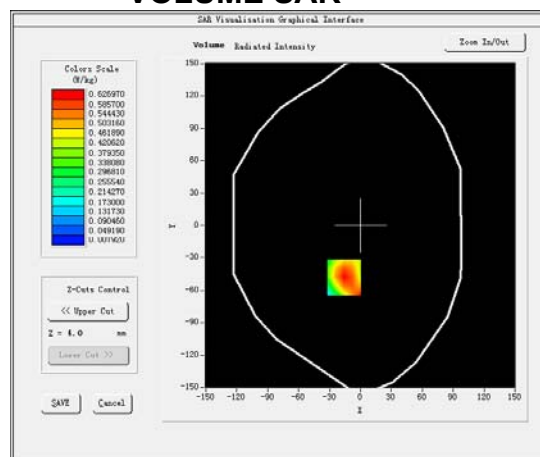
Date: 05/09/2016

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.341259
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.492541
Variation (%)	-0.650000
Crest Factor	1.0
Probe Conversion factor	4.33
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 front
Band	LTE band 1

SURFACE SAR

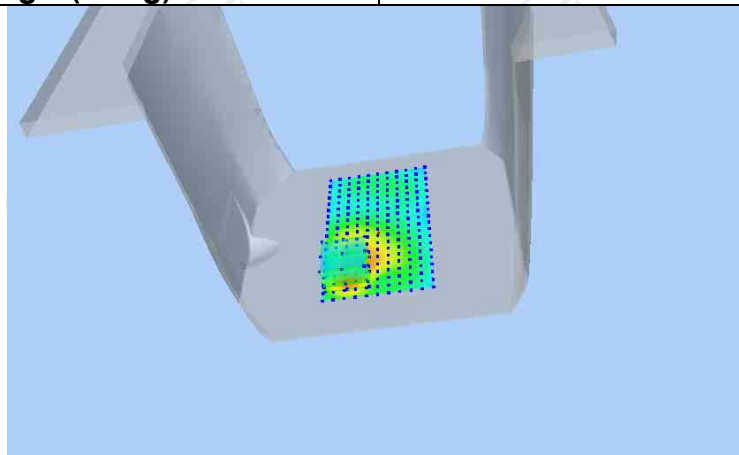


VOLUME SAR



Maximum location: X=-16.00, Y=-48.00 SAR Peak: 1.16 W/kg

SAR 10g (W/Kg)	0.281875
SAR 1g (W/Kg)	0.594625



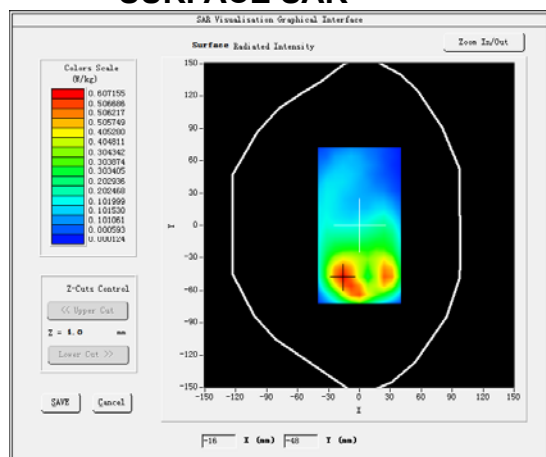
MEASUREMENT 6

Lower Band SAR (Channel 20050):

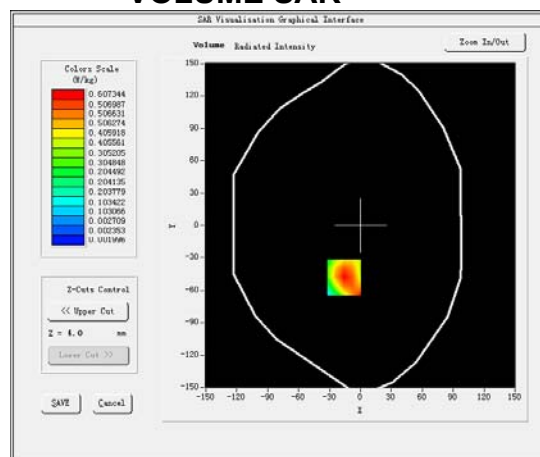
Date: 05/09/2016

Frequency (MHz)	1720.000000
Relative permittivity (real part)	53.341259
Relative permittivity (imaginary part)	12.468850
Conductivity (S/m)	1.492541
Variation (%)	0.330000
Crest Factor	1.0
Probe Conversion factor	4.33
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 front
Band	LTE band 4

SURFACE SAR

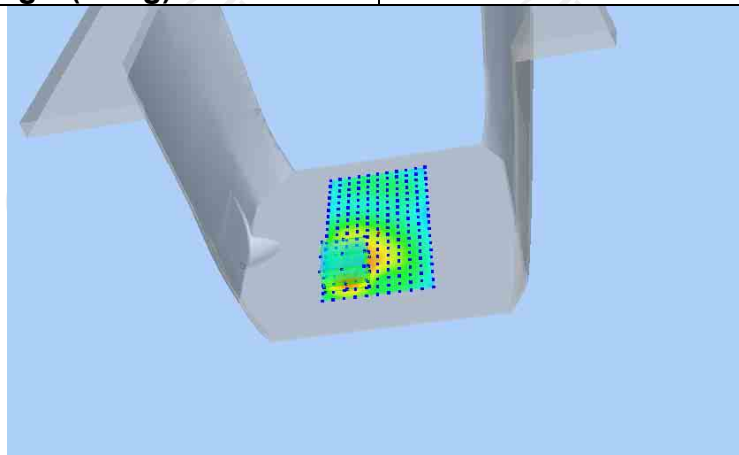


VOLUME SAR



Maximum location: X=-16.00, Y=-48.00 SAR Peak: 1.02W/kg

SAR 10g (W/Kg)	0.281875
SAR 1g (W/Kg)	0.572547



LTE VII

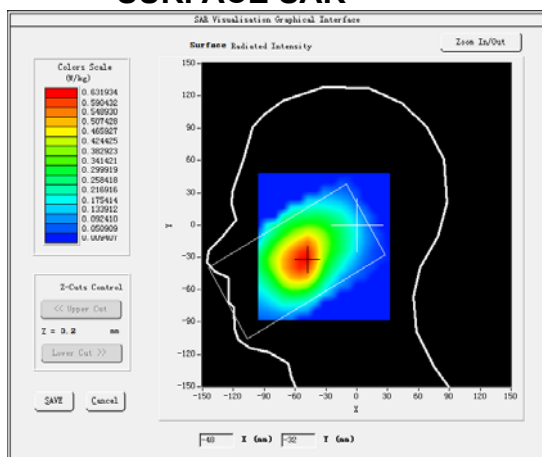
MEASUREMENT 1

Lower SAR (Channel 20850):

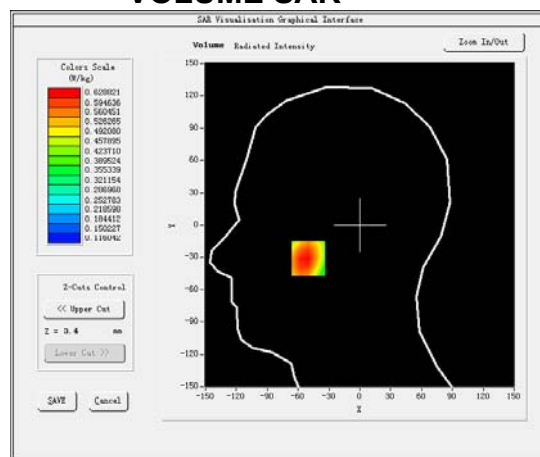
Date: 07/09/2016

Frequency (MHz)	2510.000000
Relative permittivity (real part)	37.723589
Relative permittivity (imaginary part)	13.671675
Conductivity (S/m)	1.867891
Variation (%)	-2.070000
Crest Factor	1.0
Probe Conversion factor	4.18
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek(QPSK 1RB)</u>
Band	<u>LTE band 7</u>

SURFACE SAR

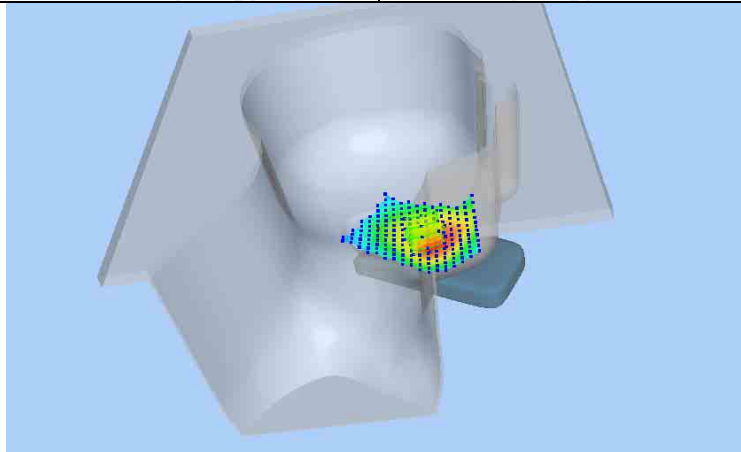


VOLUME SAR



Maximum location: X=-50.00, Y=-31.00 SAR Peak: 0.67 W/kg

SAR 10g (W/Kg)	0.252042
SAR 1g (W/Kg)	0.321644



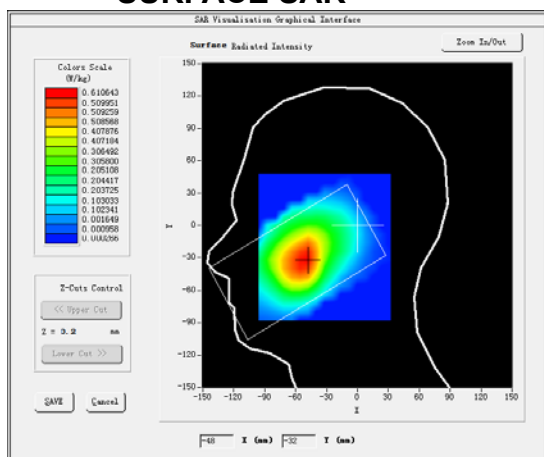
MEASUREMENT 2

Lower SAR (Channel 20850):

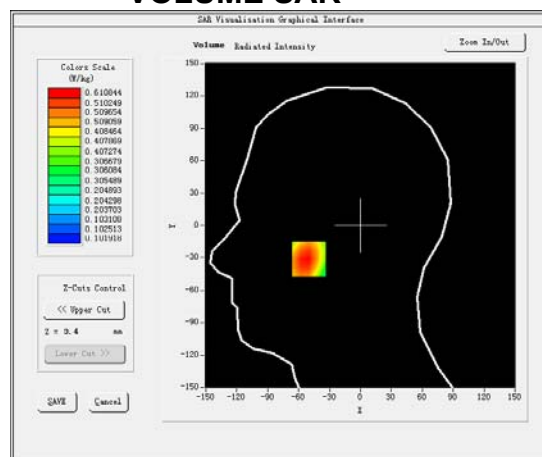
Date: 07/09/2016

Frequency (MHz)	2510.000000
Relative permittivity (real part)	37.723589
Relative permittivity (imaginary part)	13.671675
Conductivity (S/m)	1.867891
Variation (%)	0.400000
Crest Factor	1.0
Probe Conversion factor	4.31
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Left head</u>
Device Position	<u>Cheek(QPSK 50%RB)</u>
Band	<u>LTE band 7</u>

SURFACE SAR

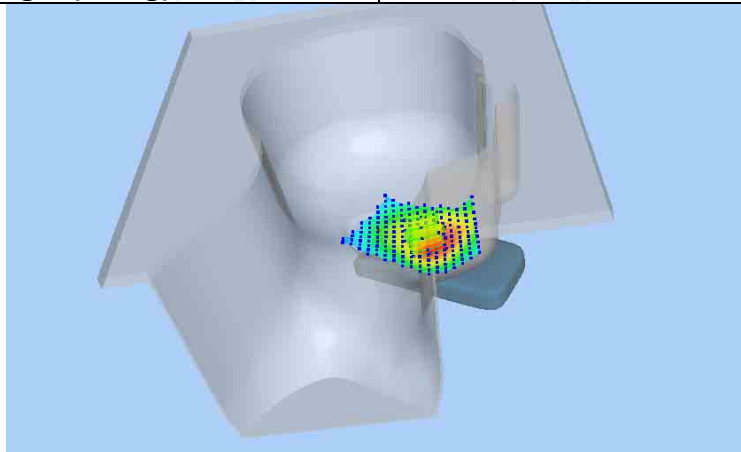


VOLUME SAR



Maximum location: X=-50.00, Y=-31.00 SAR Peak: 0.60 W/kg

SAR 10g (W/Kg)	0.187451
SAR 1g (W/Kg)	0.251254



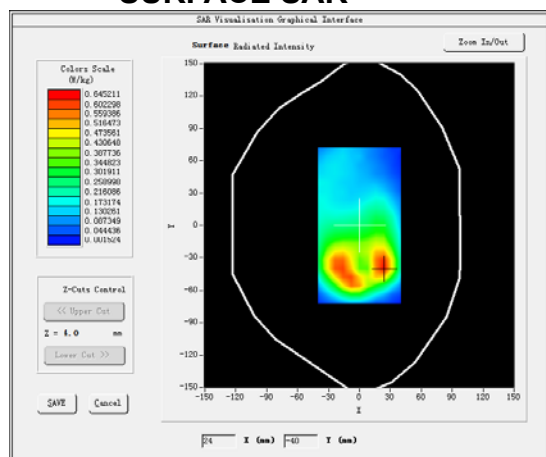
MEASUREMENT 3

Lower SAR (Channel 20850):

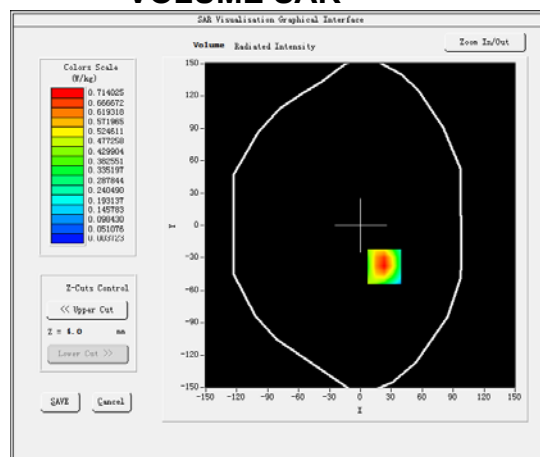
Date: 07/09/2016

Frequency (MHz)	2510.000000
Relative permittivity (real part)	53.482578
Relative permittivity (imaginary part)	13.671675
Conductivity (S/m)	2.052687
Variation (%)	0.280000
Crest Factor	1.0
Probe Conversion factor	4.31
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(QPSK 1RB)
Band	LTE band 7

SURFACE SAR

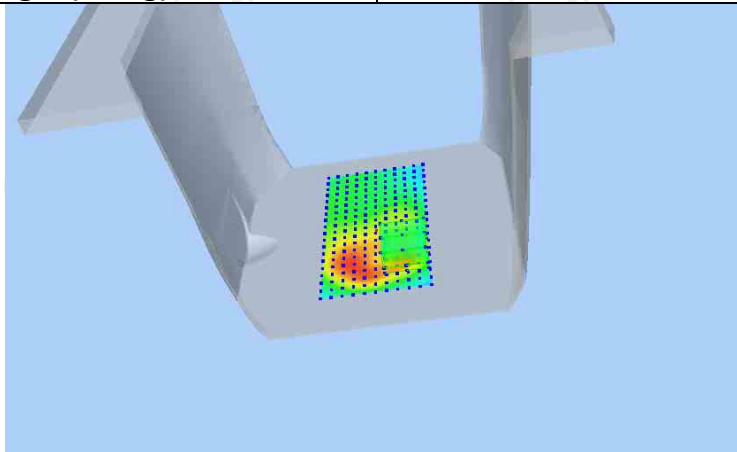


VOLUME SAR



Maximum location: X=23.00, Y=-38.00 SAR Peak: 1.48 W/kg

SAR 10g (W/Kg)	0.286984
SAR 1g (W/Kg)	0.686339



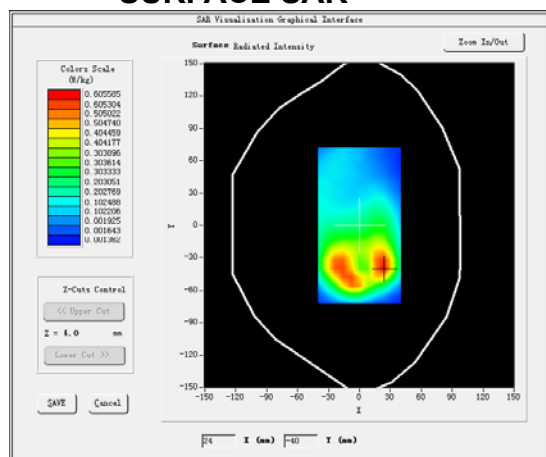
MEASUREMENT 4

Lower SAR (Channel 20850):

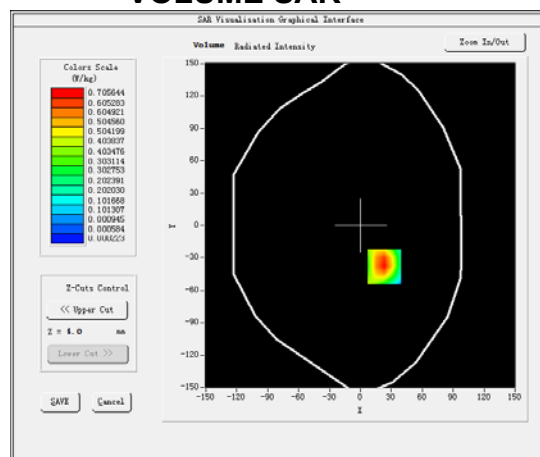
Date: 07/09/2016

Frequency (MHz)	2510.000000
Relative permittivity (real part)	53.482578
Relative permittivity (imaginary part)	13.671675
Conductivity (S/m)	2.052687
Variation (%)	0.690000
Crest Factor	1.0
Probe Conversion factor	4.31
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(QPSK 50%RB)
Band	LTE band 7

SURFACE SAR

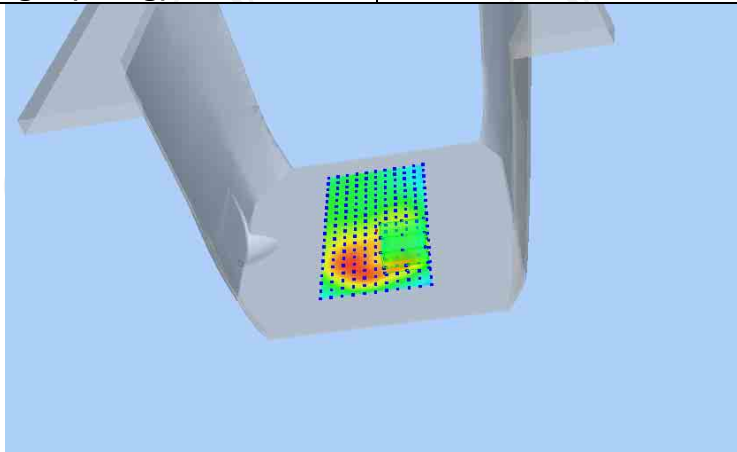


VOLUME SAR



Maximum location: X=23.00, Y=-38.00 SAR Peak: 1.37 W/kg

SAR 10g (W/Kg)	0.282547
SAR 1g (W/Kg)	0.542587



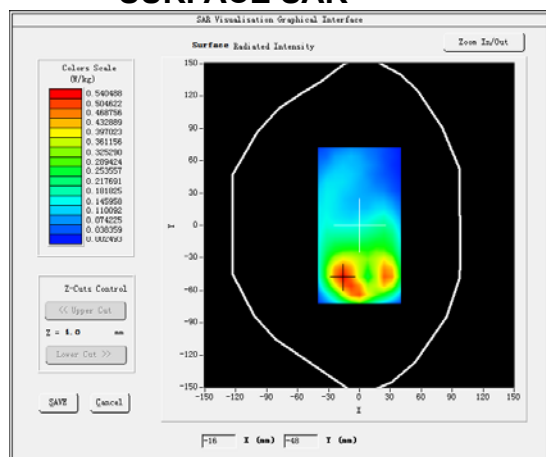
MEASUREMENT 5

Lower SAR (Channel 20850):

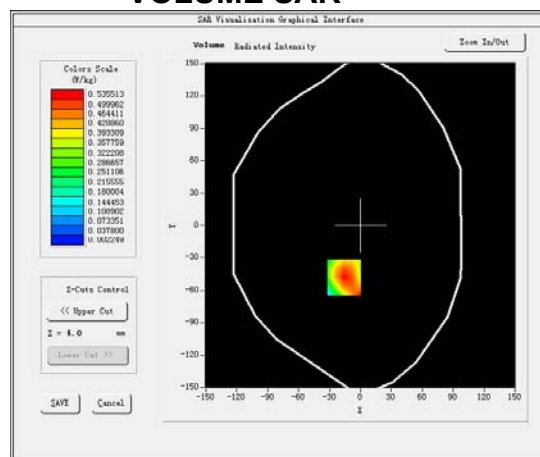
Date: 07/09/2016

Frequency (MHz)	2510.000000
Relative permittivity (real part)	53.482578
Relative permittivity (imaginary part)	13.671675
Conductivity (S/m)	2.052687
Variation (%)	-0.870000
Crest Factor	1.0
Probe Conversion factor	4.31
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 front(QPSK 1RB)
Band	LTE band 7

SURFACE SAR

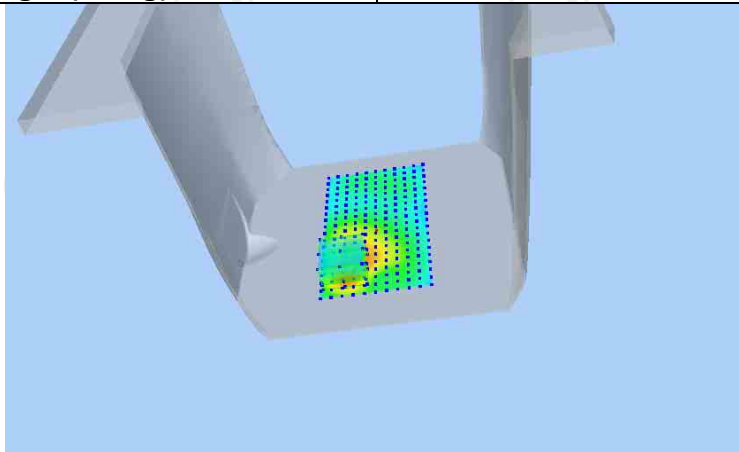


VOLUME SAR



Maximum location: X=-16.00, Y=-48.00 SAR Peak: 1.12 W/kg

SAR 10g (W/Kg)	0.225504
SAR 1g (W/Kg)	0.520751



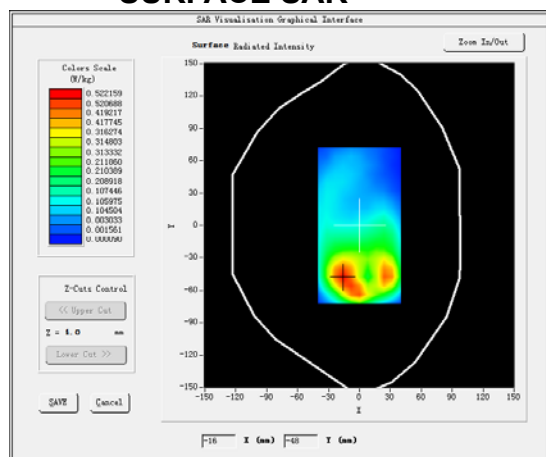
MEASUREMENT 6

Lower SAR (Channel 20850):

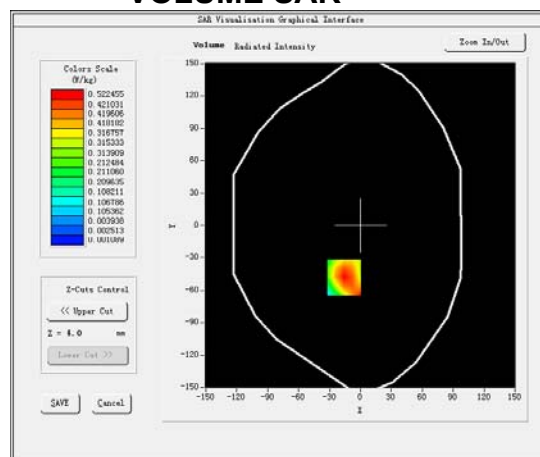
Date: 07/09/2016

Frequency (MHz)	2510.000000
Relative permittivity (real part)	53.482578
Relative permittivity (imaginary part)	13.671675
Conductivity (S/m)	2.052687
Variation (%)	-1.250000
Crest Factor	1.0
Probe Conversion factor	4.31
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 front(QPSK 50%RB)
Band	LTE band 7

SURFACE SAR

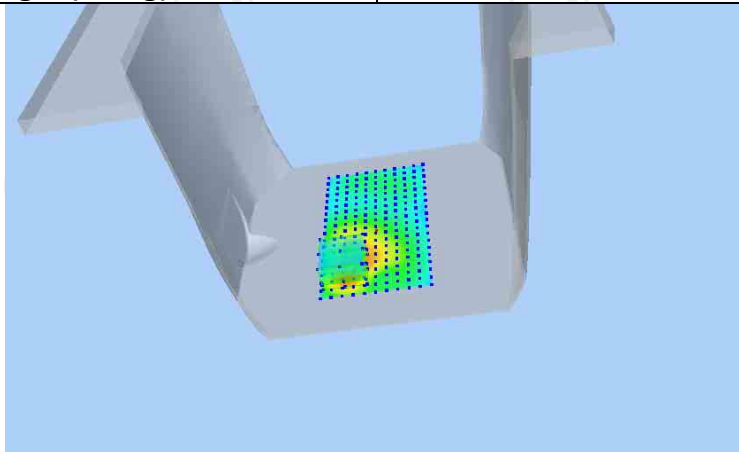


VOLUME SAR



Maximum location: X=-16.00, Y=-48.00 SAR Peak: 1.01 W/kg

SAR 10g (W/Kg)	0.214587
SAR 1g (W/Kg)	0.490257



LTE XVII

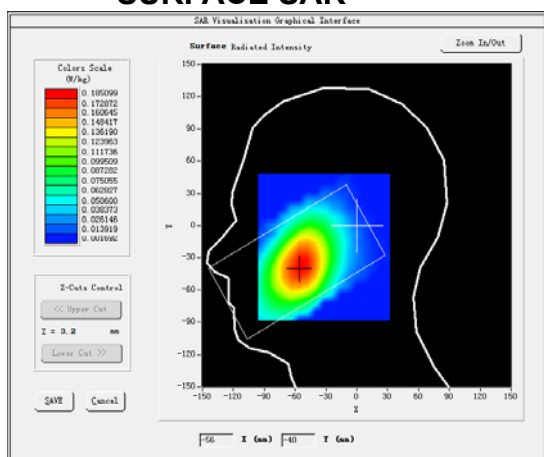
MEASUREMENT 1

Lower Band SAR (Channel 23780):

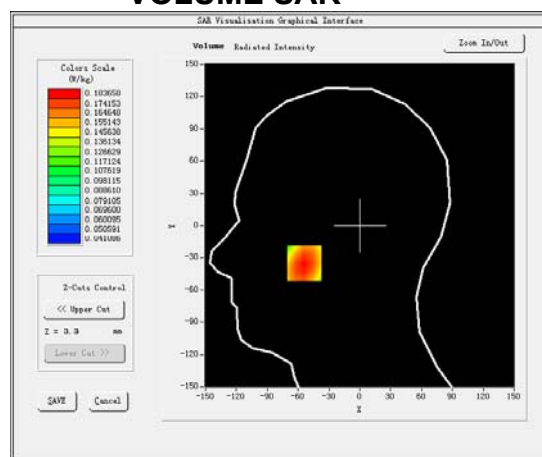
Date: 01/09/2016

Frequency (MHz)	709.000000
Relative permittivity (real part)	43.722892
Relative permittivity (imaginary part)	18.296230
Conductivity (S/m)	0.850939
Variation (%)	0.690000
Crest Factor	1.0
Probe Conversion factor	4.74
Area Scan	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
ZoomScan	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
Phantom	<u>Right head</u>
Device Position	<u>Cheek</u>
Band	<u>LTE band 17</u>

SURFACE SAR



VOLUME SAR



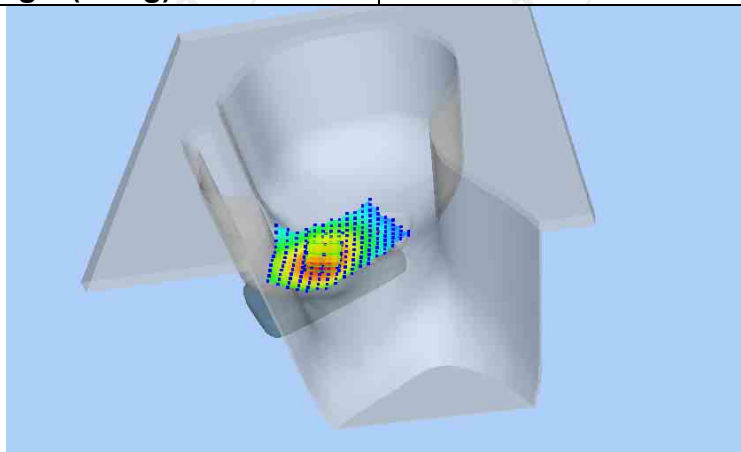
Maximum location: X=-54.00, Y=-35.00 SAR Peak: 0.21 W/kg

SAR 10g (W/Kg)

0.138245

SAR 1g (W/Kg)

0.178043



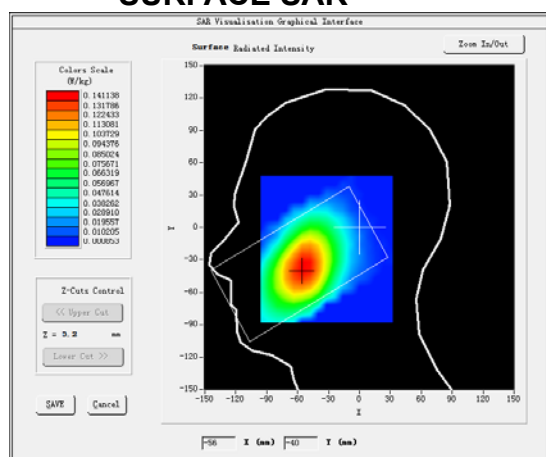
MEASUREMENT 2

Lower Band SAR (Channel 23780):

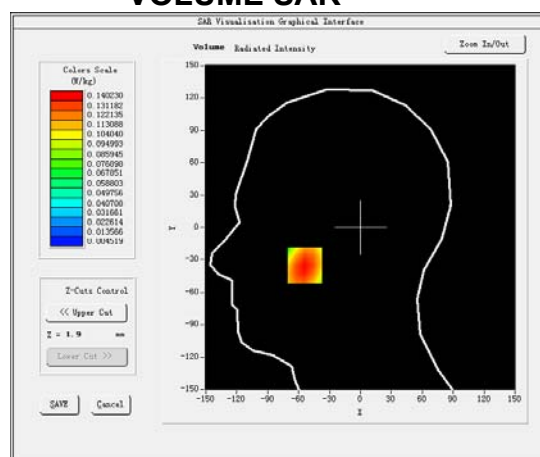
Date: 01/09/2016

Frequency (MHz)	709.000000
Relative permittivity (real part)	55.520245
Relative permittivity (imaginary part)	18.296230
Conductivity (S/m)	0.924587
Variation (%)	-0.290000
Crest Factor	1.0
Probe Conversion factor	4.74
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	Right head
Device Position	Cheek
Band	LTE band 17

SURFACE SAR

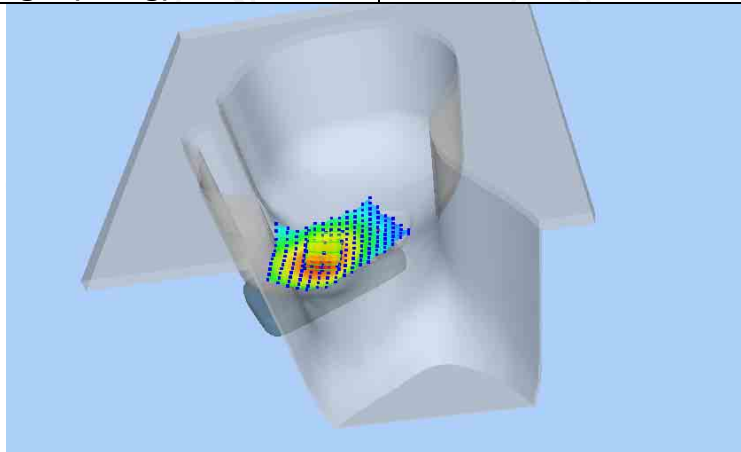


VOLUME SAR



Maximum location: X=-54.00, Y=-35.00 SAR Peak: 0.19 W/kg

SAR 10g (W/Kg)	0.098547
SAR 1g (W/Kg)	0.144587



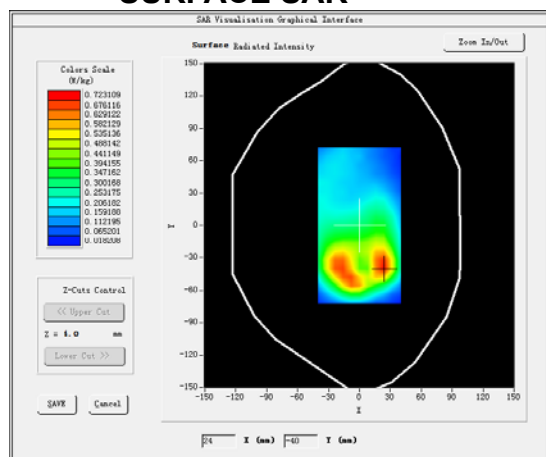
MEASUREMENT 3

Lower Band SAR (Channel 23780):

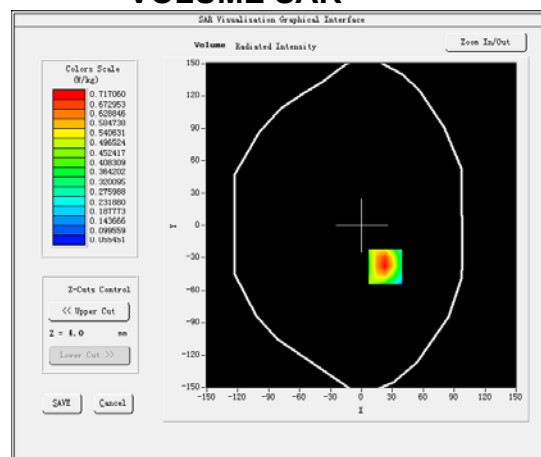
Date: 01/09/2016

Frequency (MHz)	709.000000
Relative permittivity (real part)	55.520245
Relative permittivity (imaginary part)	18.296230
Conductivity (S/m)	0.924587
Variation (%)	-0.140000
Crest Factor	1.0
Probe Conversion factor	4.85
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
Band	LTE band 17

SURFACE SAR

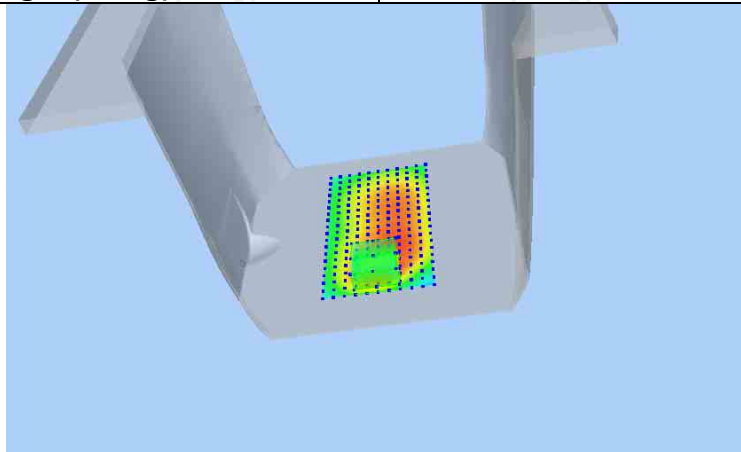


VOLUME SAR



Maximum location: X=23.00, Y=-38.00 SAR Peak: 0.54 W/kg

SAR 10g (W/Kg)	0.297782
SAR 1g (W/Kg)	0.532256



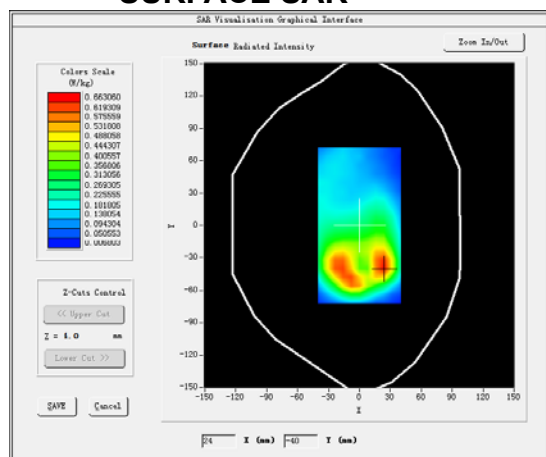
MEASUREMENT 4

Lower Band SAR (Channel 23780):

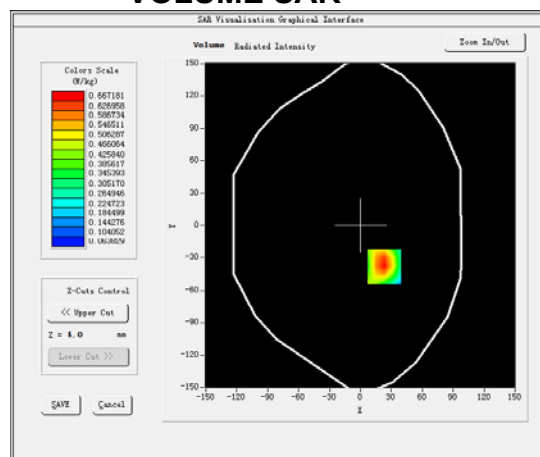
Date: 01/09/2016

Frequency (MHz)	709.000000
Relative permittivity (real part)	55.520245
Relative permittivity (imaginary part)	18.296230
Conductivity (S/m)	0.924587
Variation (%)	0.670000
Crest Factor	1.0
Probe Conversion factor	4.85
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
Band	LTE band 17

SURFACE SAR

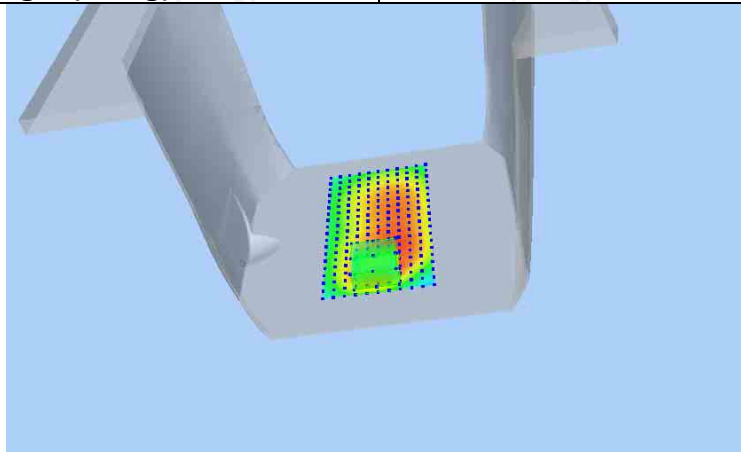


VOLUME SAR



Maximum location: X=23.00, Y=-38.00 SAR Peak: 0.49 W/kg

SAR 10g (W/Kg)	0.215478
SAR 1g (W/Kg)	0.421587



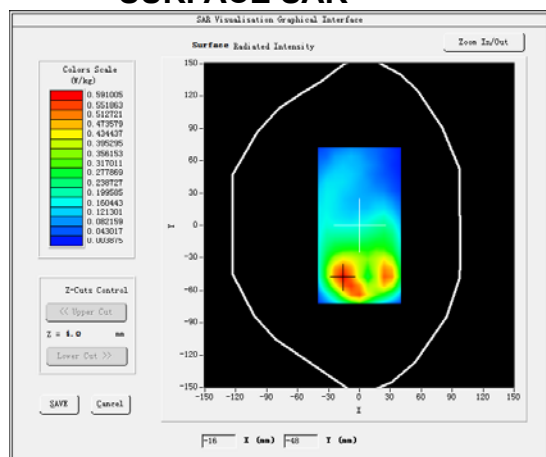
MEASUREMENT 5

Lower Band SAR (Channel 23780):

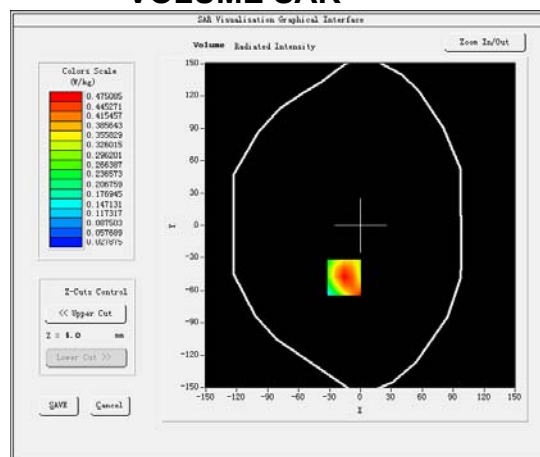
Date: 01/09/2016

Frequency (MHz)	709.000000
Relative permittivity (real part)	55.520245
Relative permittivity (imaginary part)	18.296230
Conductivity (S/m)	0.924587
Variation (%)	-0.110000
Crest Factor	1.0
Probe Conversion factor	4.85
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 front
Band	LTE band 17

SURFACE SAR

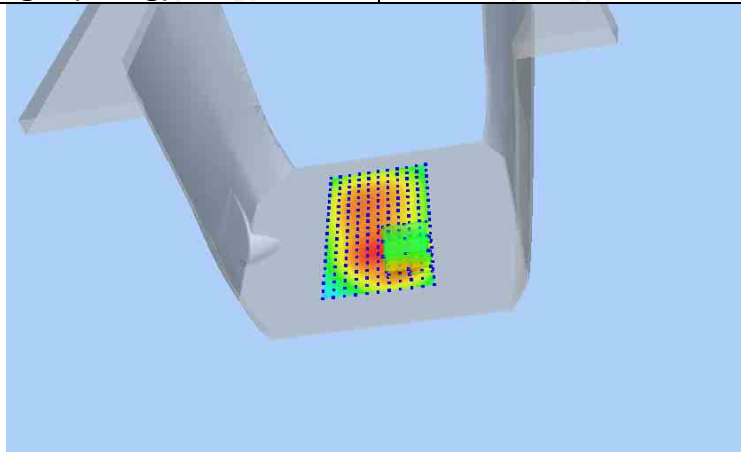


VOLUME SAR



Maximum location: X=-16.00, Y=-48.00 SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.244105
SAR 1g (W/Kg)	0.327496



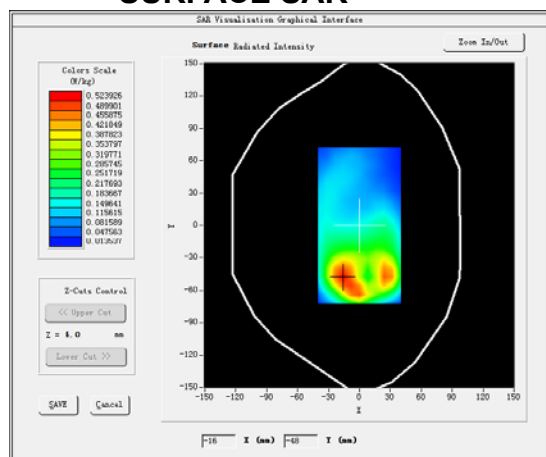
MEASUREMENT 6

Lower Band SAR (Channel 23780):

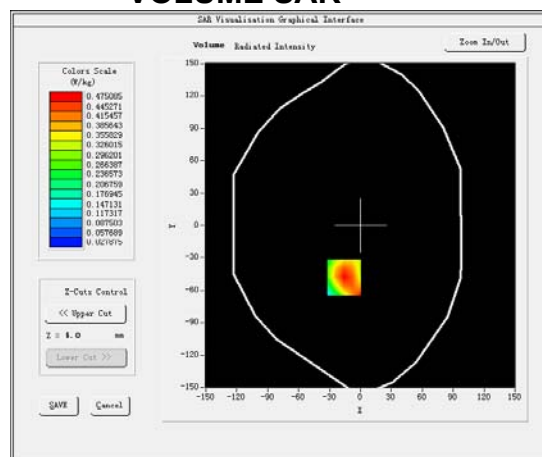
Date: 01/09/2016

Frequency (MHz)	709.000000
Relative permittivity (real part)	55.520254
Relative permittivity (imaginary part)	18.296230
Conductivity (S/m)	0.921458
Variation (%)	0.970000
Crest Factor	1.0
Probe Conversion factor	4.85
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 front
Band	LTE band 17

SURFACE SAR



VOLUME SAR



Maximum location: X=-16.00, Y=-48.00 SAR Peak: 0.30W/kg

SAR 10g (W/Kg)	0.154789
SAR 1g (W/Kg)	0.241254

