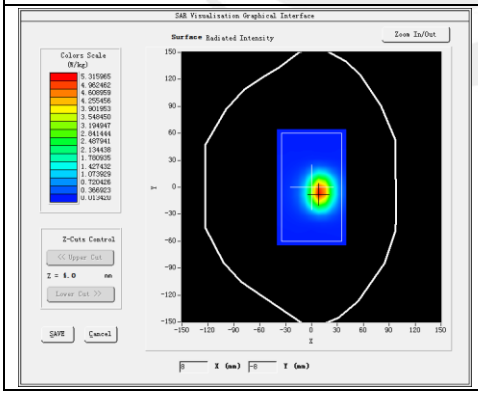
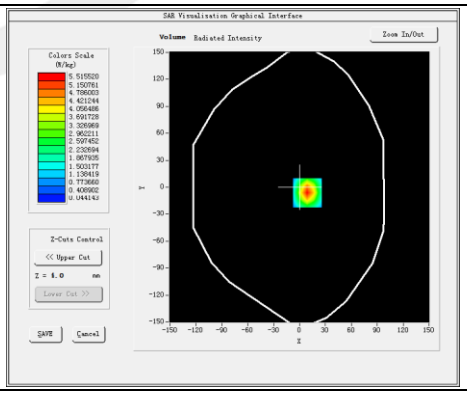
Appendix A. System Validation Plots

System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2023-07-24

Experimental conditions.

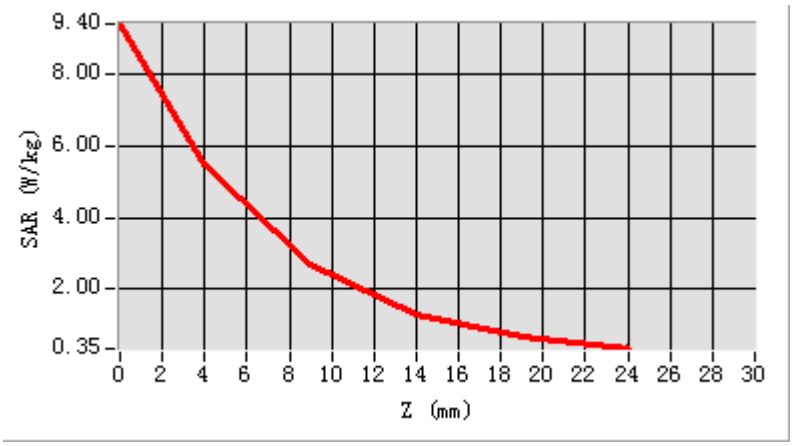
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	40.18
Conductivity (S/m)	1.79
Probe	SN 07/21 EPGO352
ConvF	1.75
Crest factor	1:1

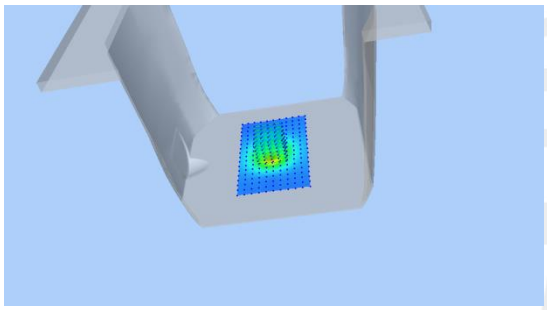
SURFACE SAR	VOLUME SAR
	

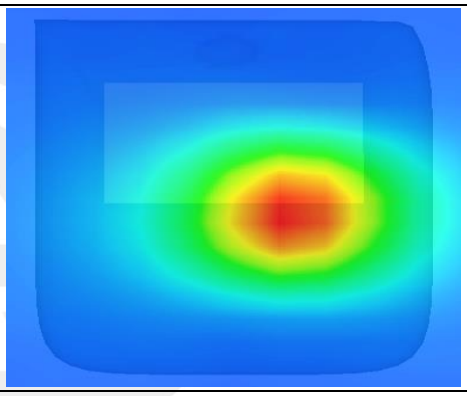
Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	2.319833
SAR 1g (W/Kg)	5.396963

Z Axis Scan


9.40
8.00
6.00
4.00
2.00
0.35
SAR (W/kg)
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
Z (mm)



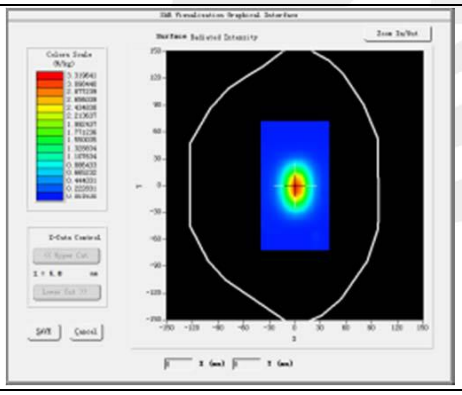
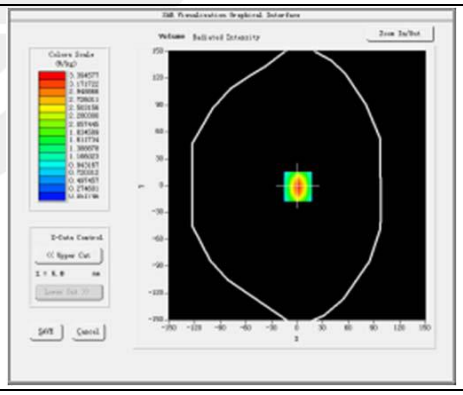


System Performance Check Data(5200MHz)

Type: Dipole measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-07-25

Experimental conditions.

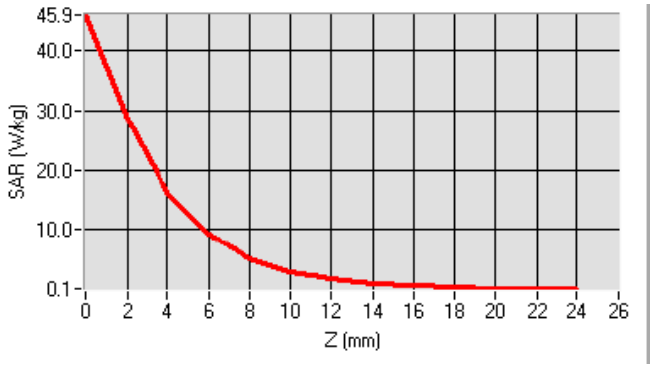
Device Position	Validation plane
Band	5200 MHz
Channels	-
Signal	CW
Frequency (MHz)	5200
Relative permittivity	36.23
Conductivity (S/m)	4.65
Probe	SN 07/21 EPGO352
ConvF	1.47
Crest factor:	1:1

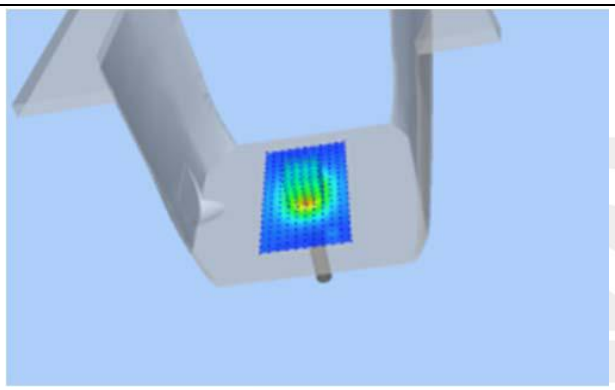
SURFACE SAR	VOLUME SAR
	

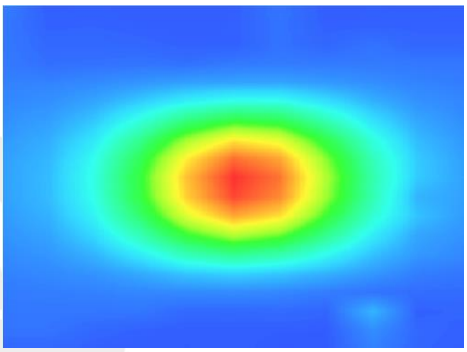
Maximum location: X=7.00, Y=2.00

SAR 10g (W/Kg)	6.065974
SAR 1g (W/Kg)	16.121791

Z Axis Scan





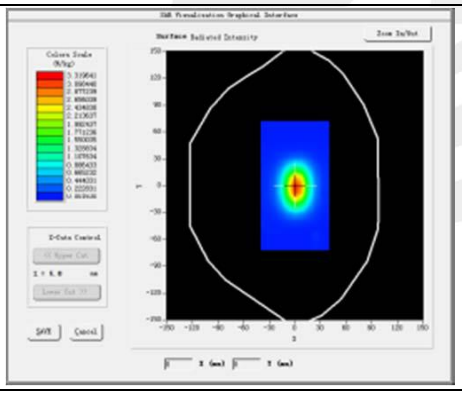
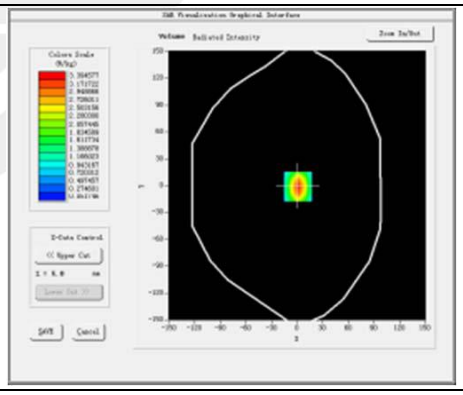


System Performance Check Data(5300MHz)

Type: Dipole measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-07-26

Experimental conditions.

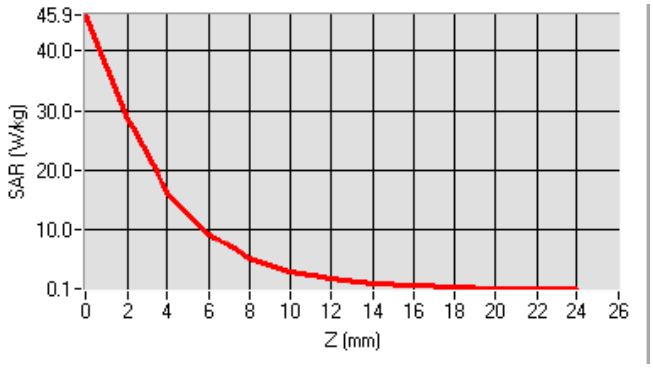
Device Position	Validation plane
Band	5300 MHz
Channels	-
Signal	CW
Frequency (MHz)	5300
Relative permittivity	36.65
Conductivity (S/m)	4.78
Probe	SN 07/21 EPGO352
ConvF	1.65
Crest factor:	1:1

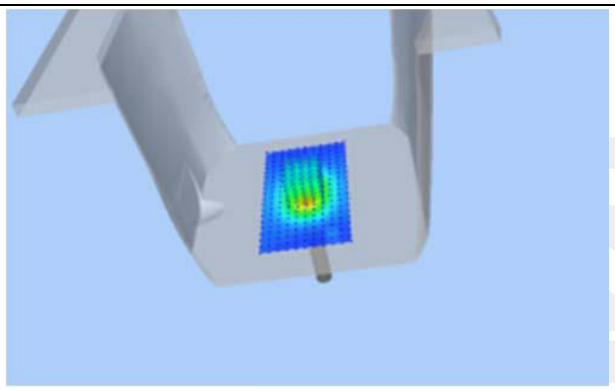
SURFACE SAR	VOLUME SAR
	

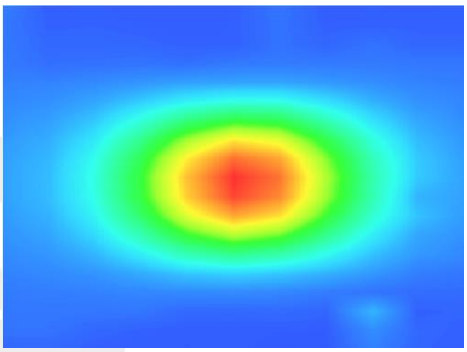
Maximum location: X=7.00, Y=2.00

SAR 10g (W/Kg)	5.983691
SAR 1g (W/Kg)	16.689179

Z Axis Scan





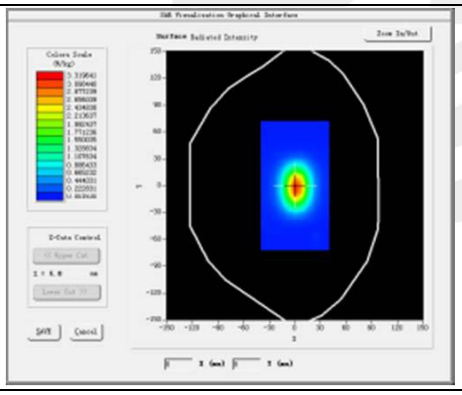
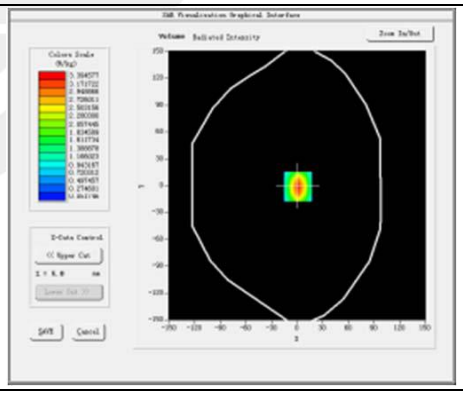


System Performance Check Data(5600MHz)

Type: Dipole measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-07-26

Experimental conditions.

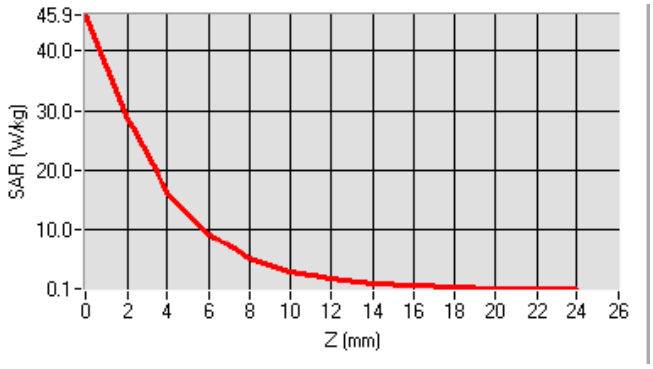
Device Position	Validation plane
Band	5600 MHz
Channels	-
Signal	CW
Frequency (MHz)	5600
Relative permittivity	36.68
Conductivity (S/m)	5.12
Probe	SN 07/21 EPGO352
ConvF	1.74
Crest factor:	1:1

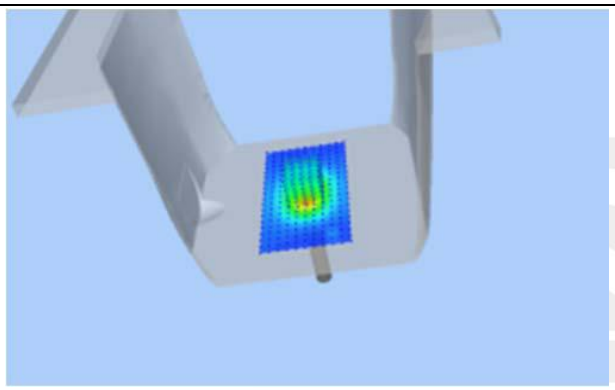
SURFACE SAR	VOLUME SAR
	

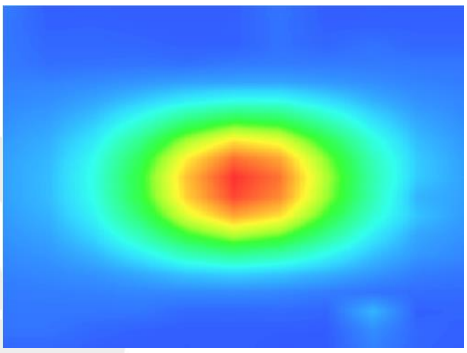
Maximum location: X=7.00, Y=2.00

SAR 10g (W/Kg)	6.666098
SAR 1g (W/Kg)	16.702024

Z Axis Scan





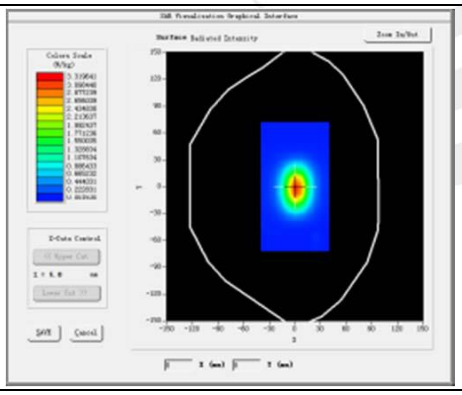
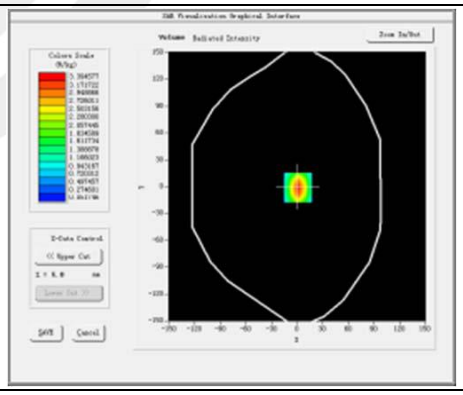


System Performance Check Data(5800MHz)

Type: Dipole measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-07-27

Experimental conditions.

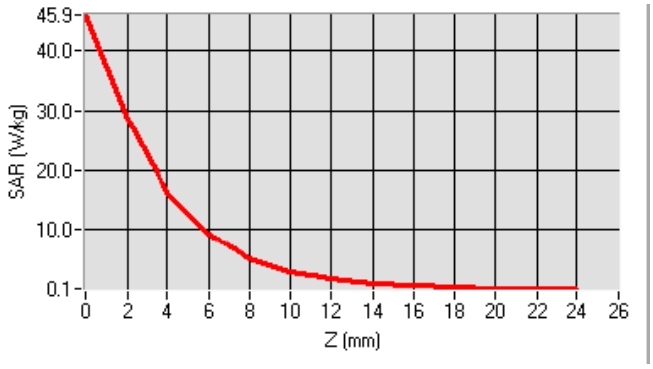
Device Position	Validation plane
Band	5800 MHz
Channels	-
Signal	CW
Frequency (MHz)	5800
Relative permittivity	35.59
Conductivity (S/m)	5.33
Probe	SN 07/21 EPGO352
ConvF	1.64
Crest factor:	1:1

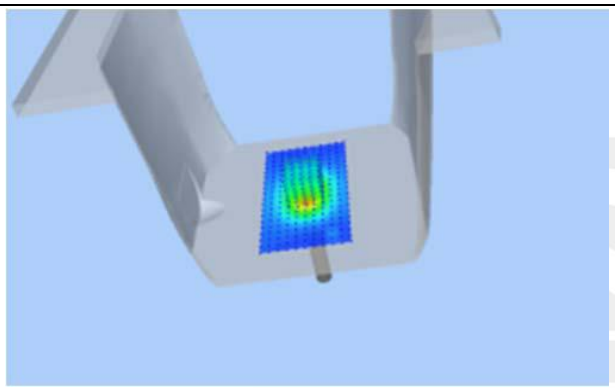
SURFACE SAR	VOLUME SAR
	

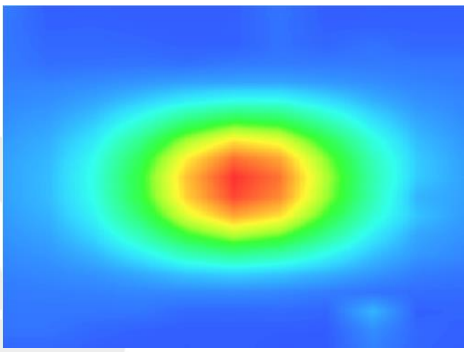
Maximum location: X=7.00, Y=2.00

SAR 10g (W/Kg)	6.147179
SAR 1g (W/Kg)	18.474563

Z Axis Scan





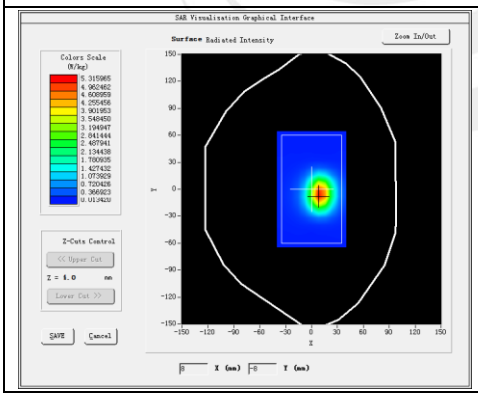
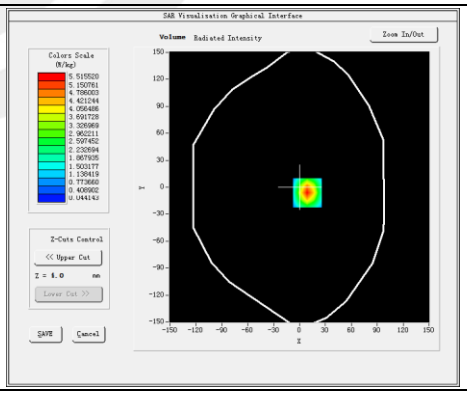


System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm, dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2023-07-24

Experimental conditions.

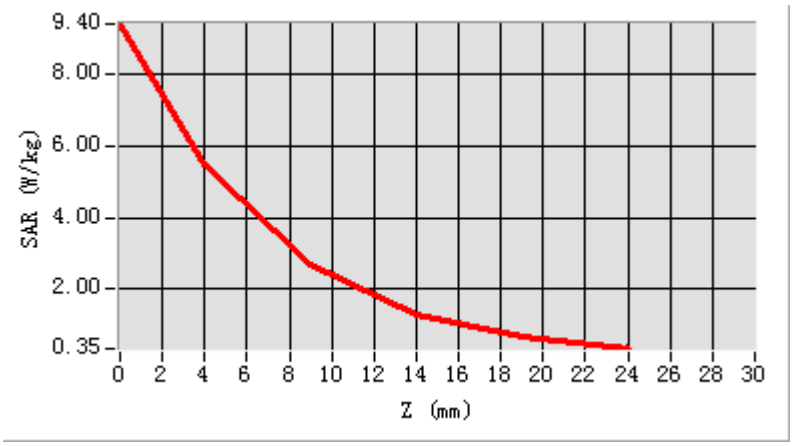
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	39.48
Conductivity (S/m)	1.85
Probe	SN 07/21 EPGO352
ConvF	1.75
Crest factor	1:1

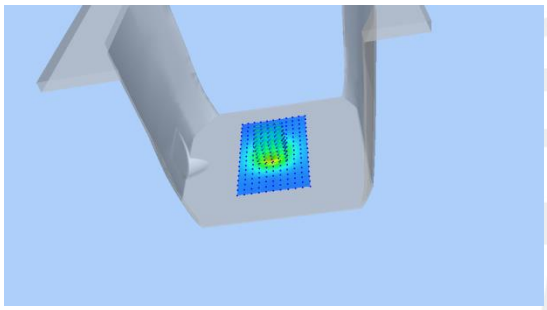
SURFACE SAR	VOLUME SAR
	

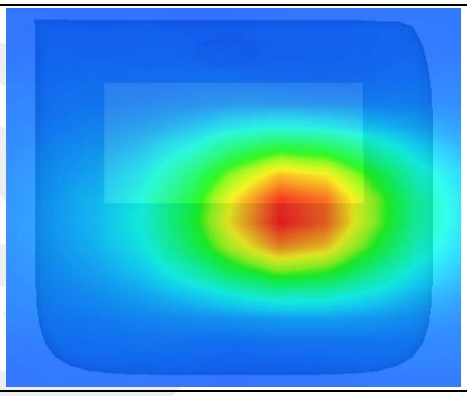
Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	2.400556
SAR 1g (W/Kg)	5.567188

Z Axis Scan


9.40
8.00
6.00
4.00
2.00
0.35
SAR (W/kg)
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
Z (mm)



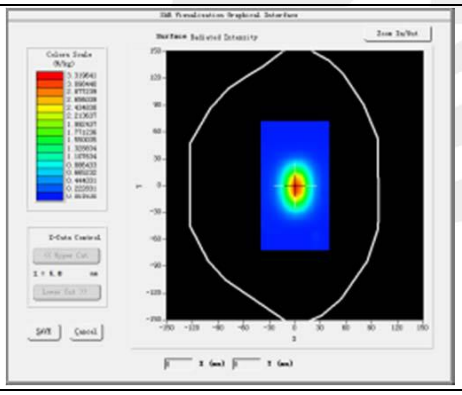
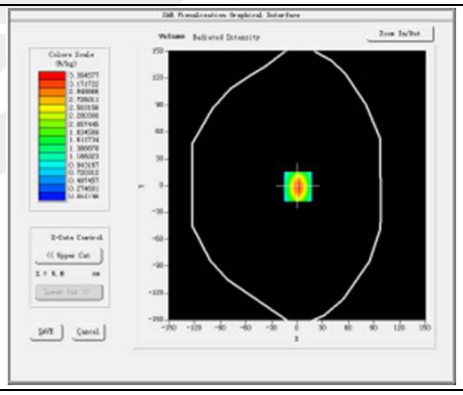


System Performance Check Data(5200MHz)

Type: Dipole measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-07-25

Experimental conditions.

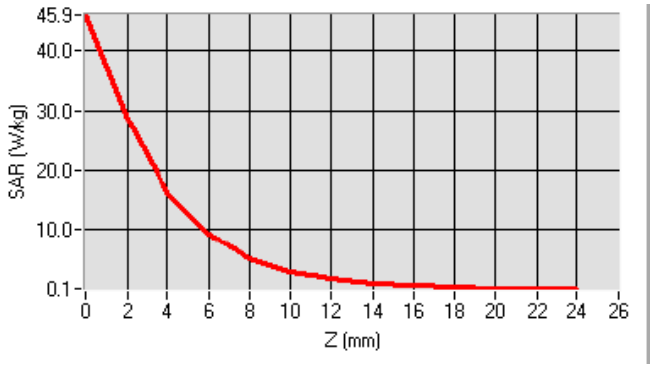
Device Position	Validation plane
Band	5200 MHz
Channels	-
Signal	CW
Frequency (MHz)	5200
Relative permittivity	36.58
Conductivity (S/m)	4.48
Probe	SN 07/21 EPGO352
ConvF	1.47
Crest factor:	1:1

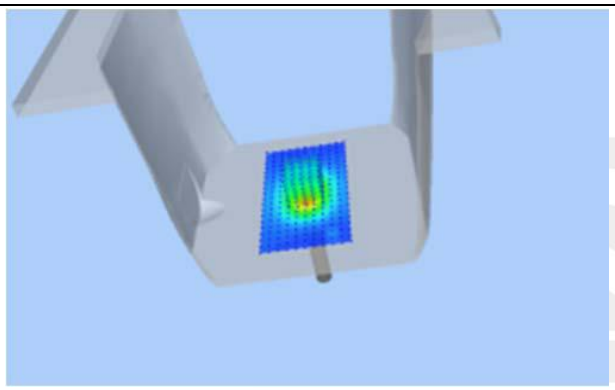
SURFACE SAR	VOLUME SAR
	

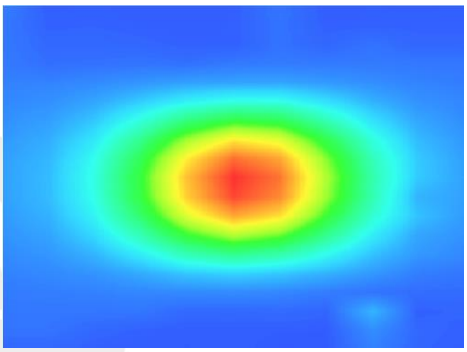
Maximum location: X=7.00, Y=2.00

SAR 10g (W/Kg)	5.952856
SAR 1g (W/Kg)	16.068046

Z Axis Scan





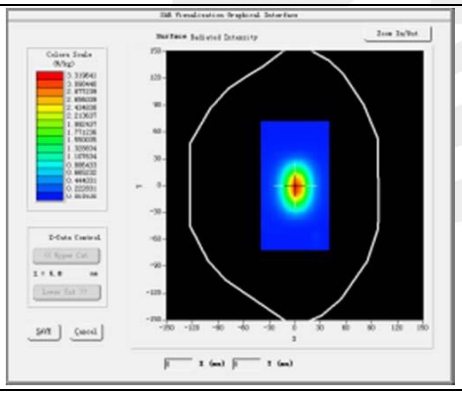
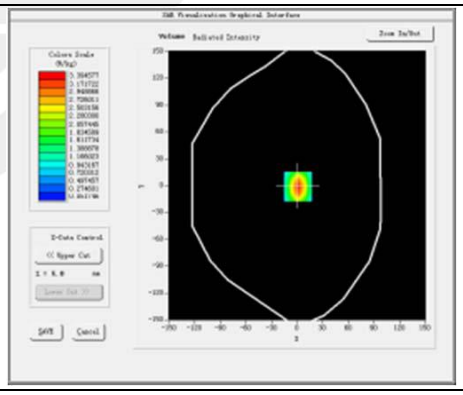


System Performance Check Data(5300MHz)

Type: Dipole measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-07-26

Experimental conditions.

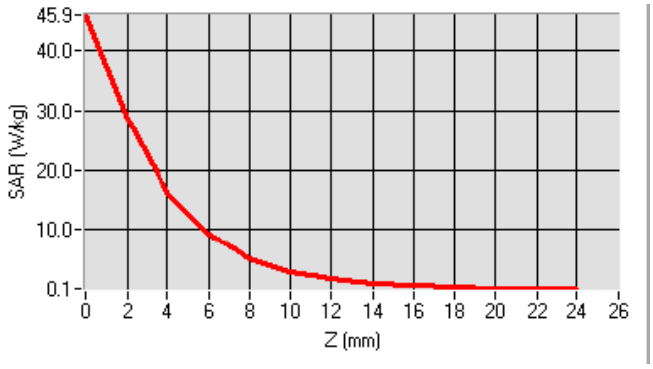
Device Position	Validation plane
Band	5300 MHz
Channels	-
Signal	CW
Frequency (MHz)	5300
Relative permittivity	35.98
Conductivity (S/m)	4.75
Probe	SN 07/21 EPGO352
ConvF	1.65
Crest factor:	1:1

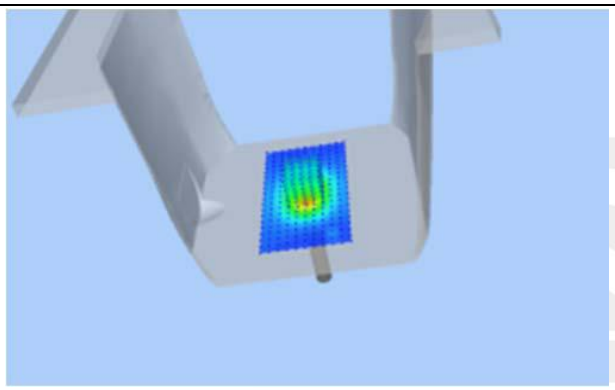
SURFACE SAR	VOLUME SAR
	

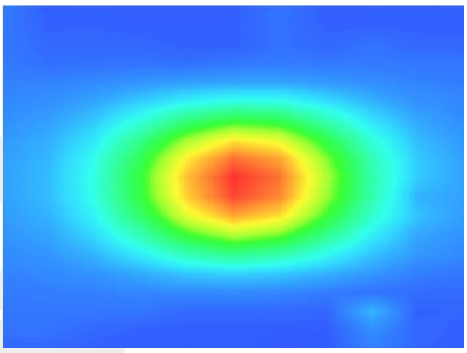
Maximum location: X=7.00, Y=2.00

SAR 10g (W/Kg)	5.906613
SAR 1g (W/Kg)	16.365293

Z Axis Scan





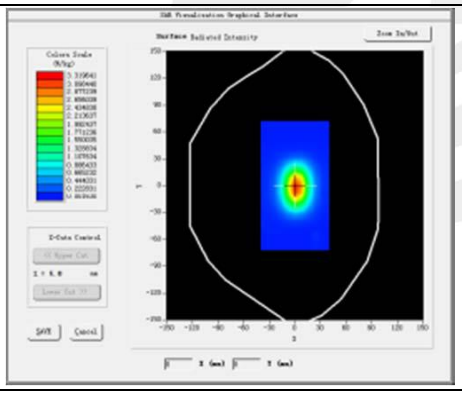
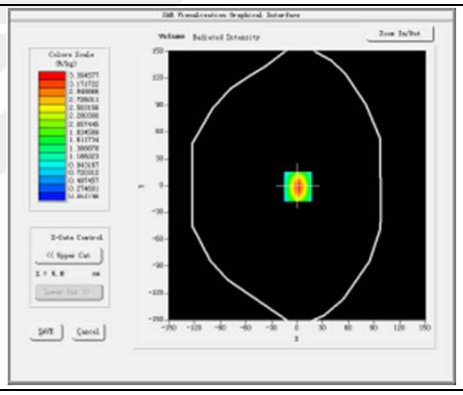


System Performance Check Data(5600MHz)

Type: Dipole measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-07-26

Experimental conditions.

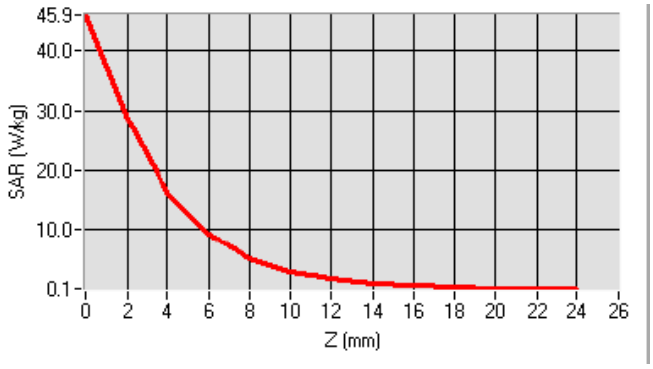
Device Position	Validation plane
Band	5600 MHz
Channels	-
Signal	CW
Frequency (MHz)	5600
Relative permittivity	36.58
Conductivity (S/m)	5.01
Probe	SN 07/21 EPGO352
ConvF	1.74
Crest factor:	1:1

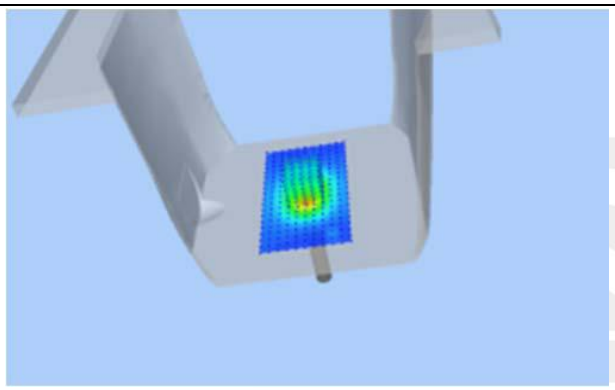
SURFACE SAR	VOLUME SAR
	

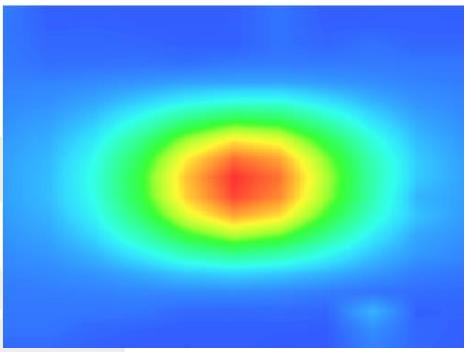
Maximum location: X=7.00, Y=2.00

SAR 10g (W/Kg)	5.894988
SAR 1g (W/Kg)	17.698645

Z Axis Scan





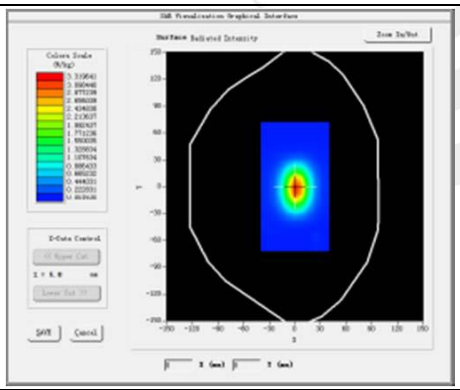
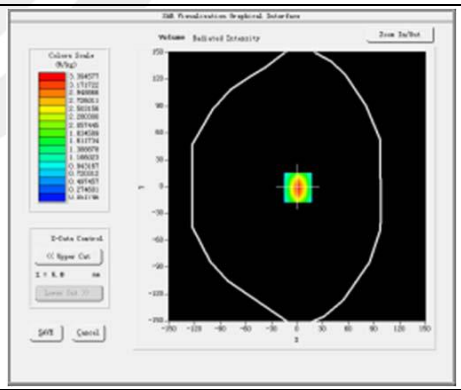


System Performance Check Data(5800MHz)

Type: Dipole measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm
Date of measurement: 2023-07-27

Experimental conditions.

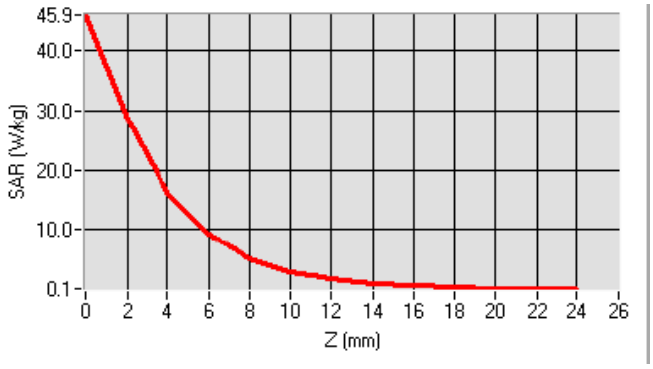
Device Position	Validation plane
Band	5800 MHz
Channels	-
Signal	CW
Frequency (MHz)	5800
Relative permittivity	35.69
Conductivity (S/m)	5.28
Probe	SN 07/21 EPGO352
ConvF	1.64
Crest factor:	1:1

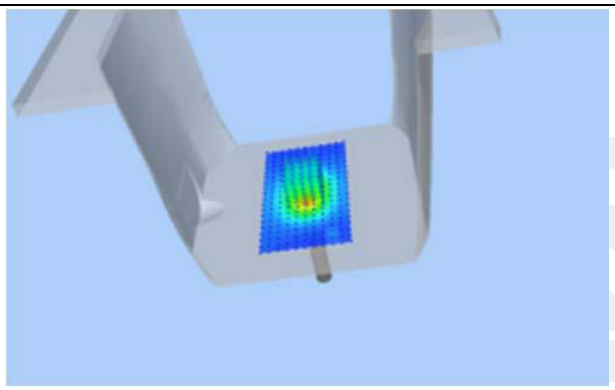
SURFACE SAR	VOLUME SAR
	

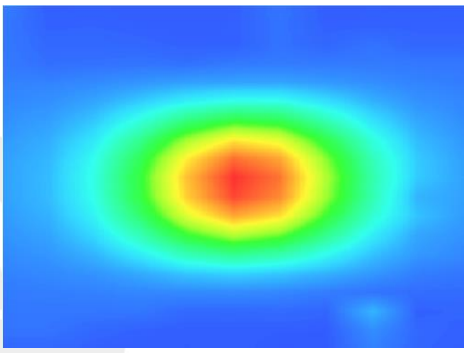
Maximum location: X=7.00, Y=2.00

SAR 10g (W/Kg)	6.124779
SAR 1g (W/Kg)	19.075472

Z Axis Scan







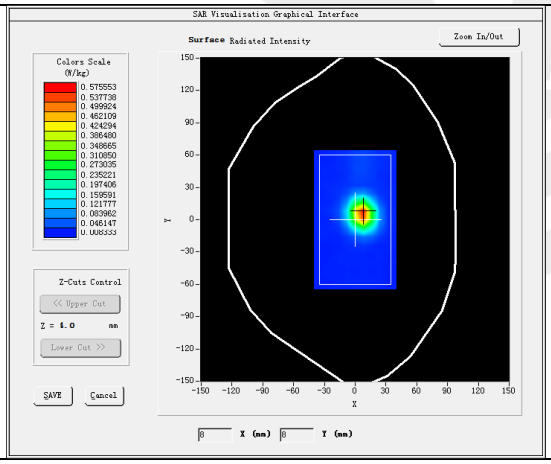
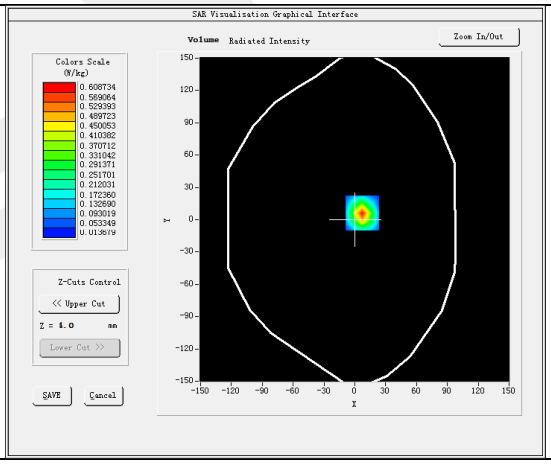
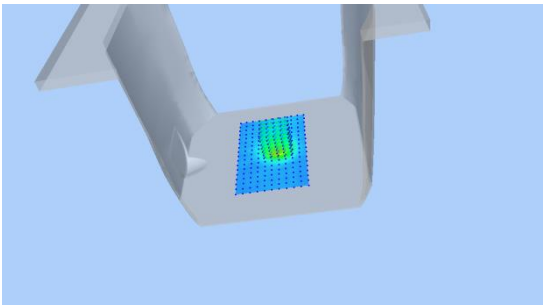
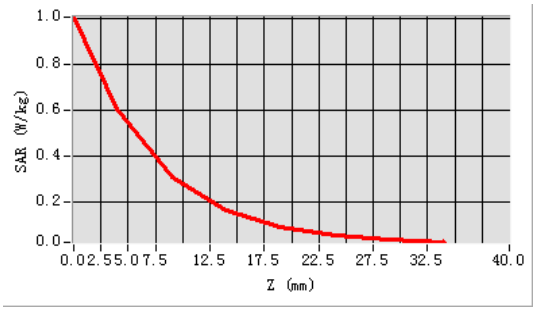
Appendix B. SAR Test Plots

Plot 1: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-24
Probe	SN 07/21 EPGO352
ConvF	1.75
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	2.4GHz WLAN ANT-1
Signal	IEEE802.11b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.65
Conductivity (S/m)	1.79

Maximum location: X=7.00, Y=6.00
SAR Peak: 1.00 W/kg

SAR 10g (W/Kg)	0.232758
SAR 1g (W/Kg)	0.539565

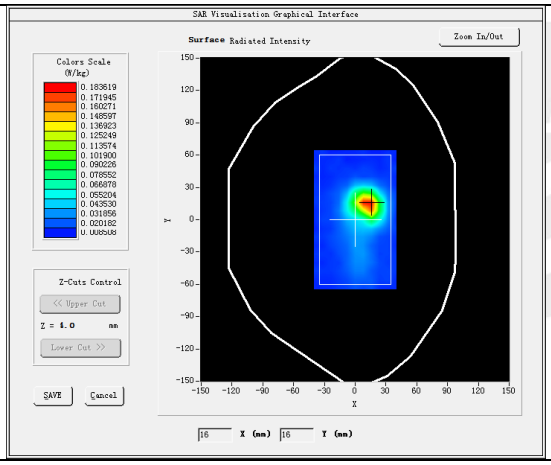
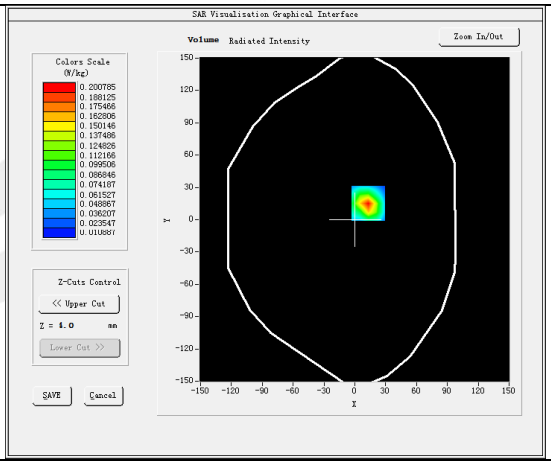
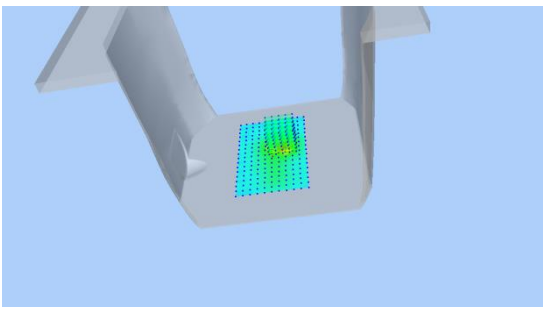
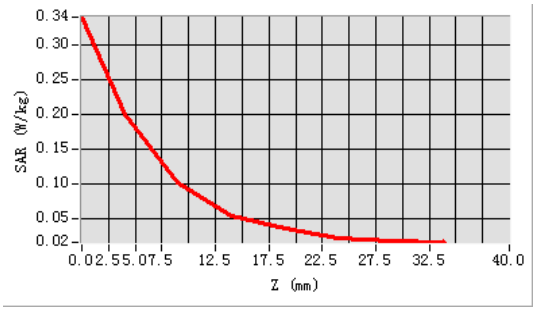
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 2: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-24
Probe	SN 07/21 EPGO352
ConvF	1.75
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	2.4GHz WLAN ANT-2
Signal	IEEE802.11b (Crest factor: 1.0)
Frequency (MHz)	2437
Relative permittivity (real part)	39.70
Conductivity (S/m)	1.76

Maximum location: X=13.00, Y=15.00
SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.084392
SAR 1g (W/Kg)	0.182282

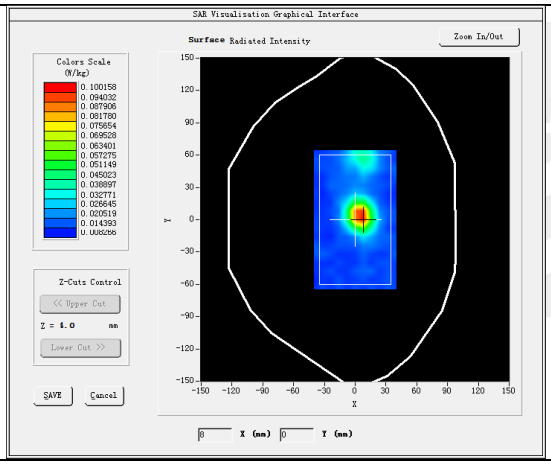
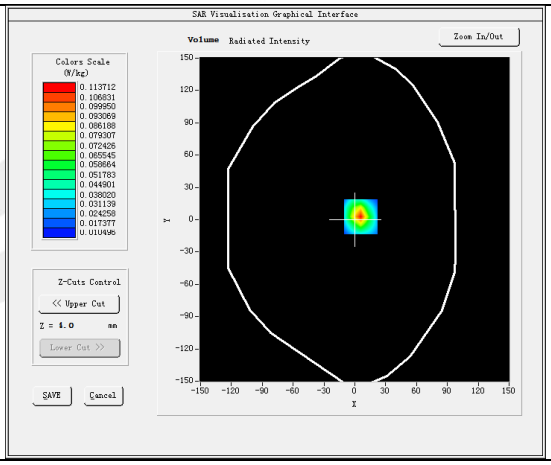
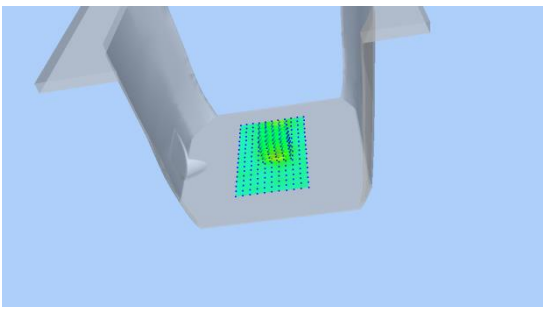
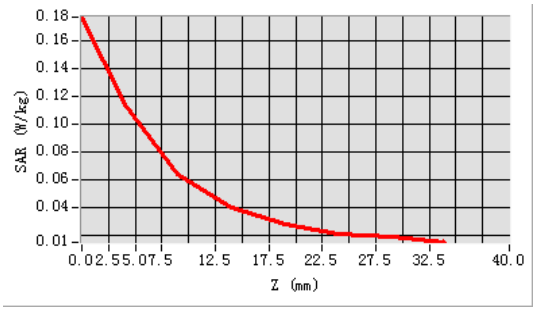
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 3: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-24
Probe	SN 07/21 EPGO352
ConvF	1.75
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	2.4GHz WLAN ANT-MIMO-1
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.65
Conductivity (S/m)	1.79

Maximum location: X=6.00, Y=3.00
SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.050121
SAR 1g (W/Kg)	0.101473

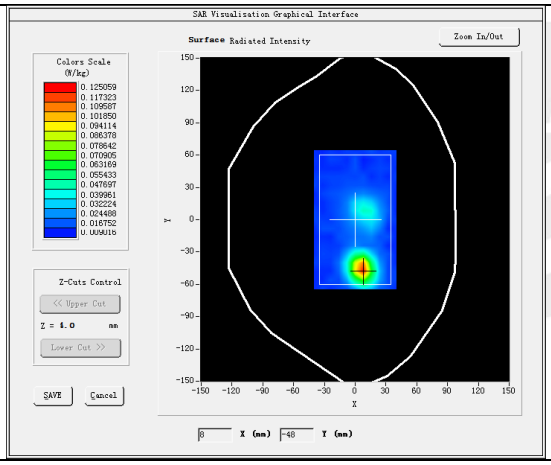
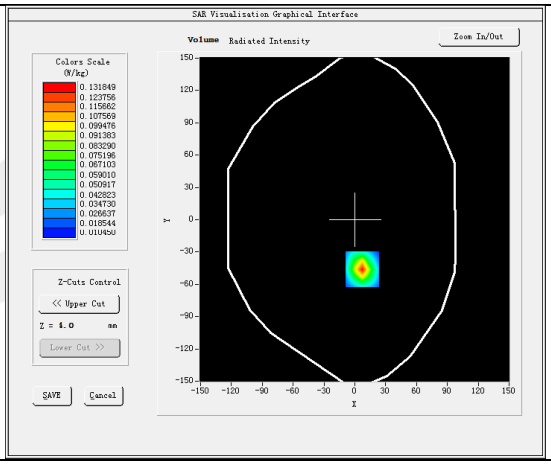
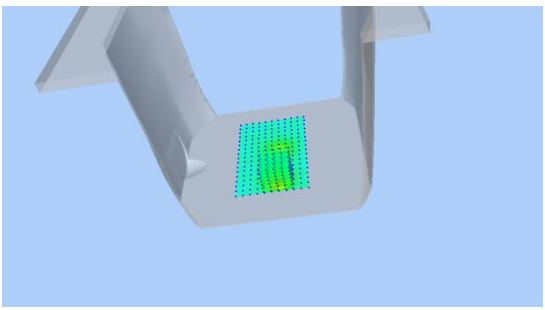
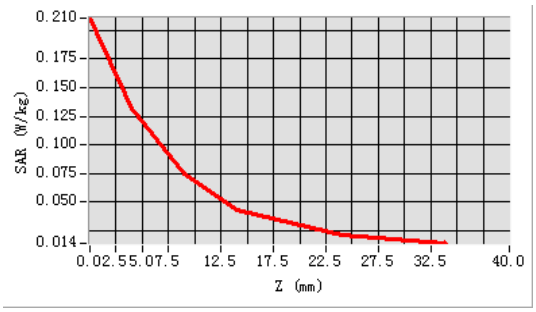
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 4: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-24
Probe	SN 07/21 EPGO352
ConvF	1.75
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	2.4GHz WLAN ANT-MIMO-2
Signal	802.11 n-HT20 (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.65
Conductivity (S/m)	1.79

Maximum location: X=7.00, Y=-46.00
SAR Peak: 0.21 W/kg

SAR 10g (W/Kg)	0.056738
SAR 1g (W/Kg)	0.117276

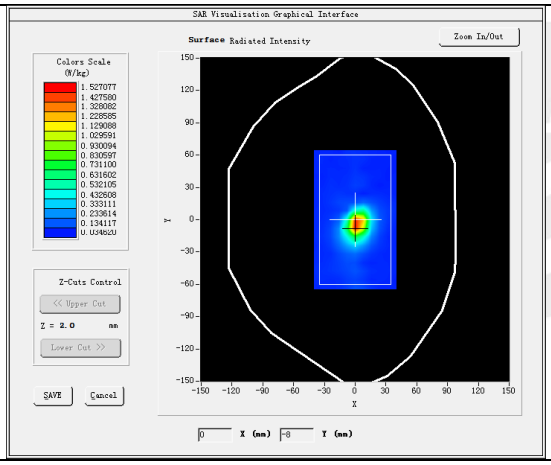
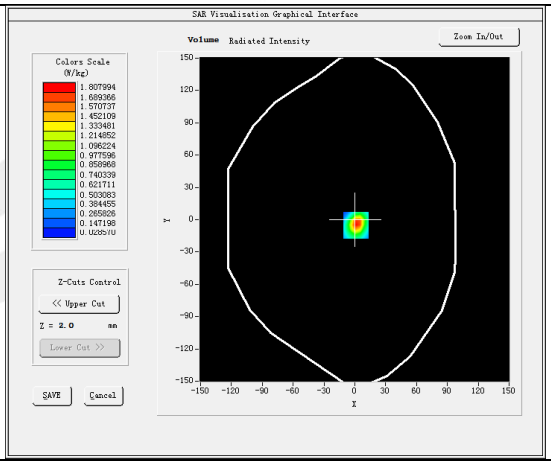
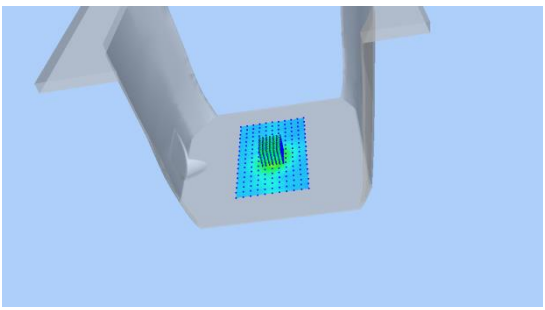
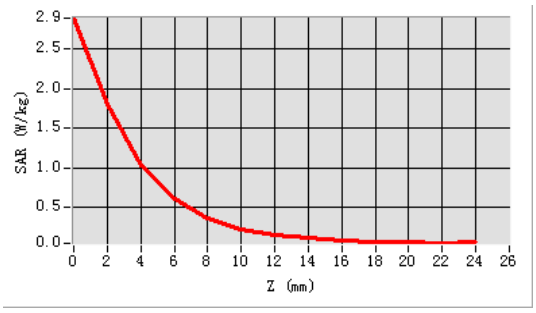
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 5: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-25
Probe	SN 07/21 EPGO352
ConvF	1.47
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.2GHz WLAN ANT-1
Signal	802.11 n-HT40 (Crest factor: 1.0)
Frequency (MHz)	5190
Relative permittivity (real part)	36.97
Conductivity (S/m)	4.66

Maximum location: X=1.00, Y=-5.00
SAR Peak: 3.08 W/kg

SAR 10g (W/Kg)	0.353093
SAR 1g (W/Kg)	1.035448

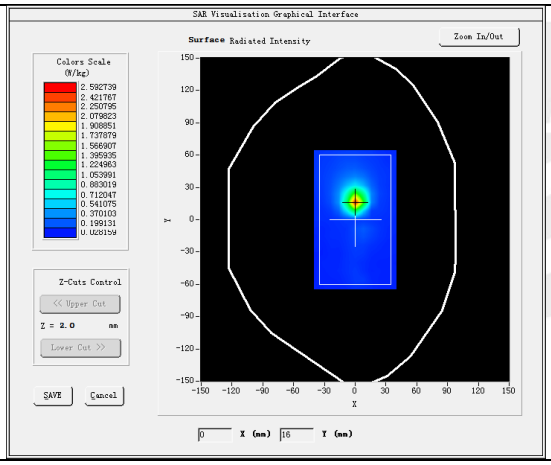
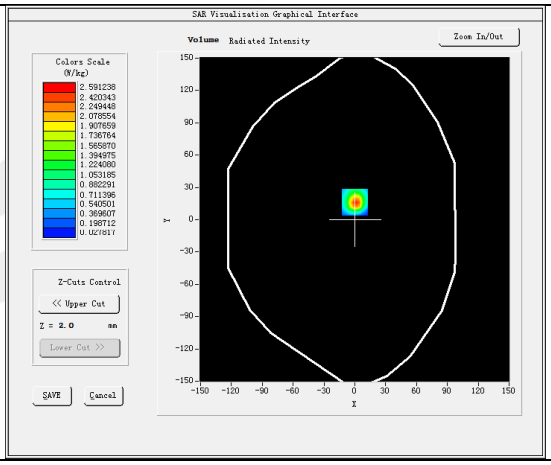
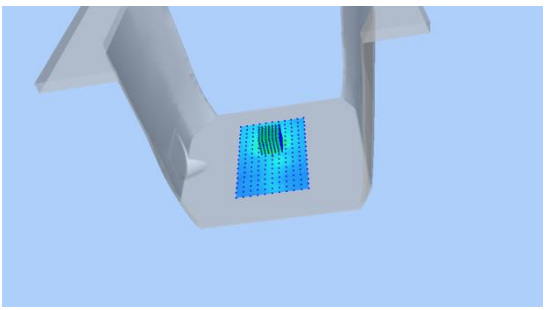
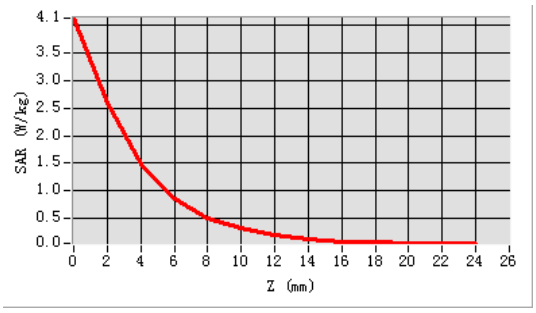
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 6: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-25
Probe	SN 07/21 EPGO352
ConvF	1.47
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.2GHz WLAN ANT-2
Signal	802.11 n-HT40 (Crest factor: 1.0)
Frequency (MHz)	5190
Relative permittivity (real part)	36.97
Conductivity (S/m)	4.66

Maximum location: X=0.00, Y=16.00
SAR Peak: 4.33 W/kg

SAR 10g (W/Kg)	0.455073
SAR 1g (W/Kg)	1.423614

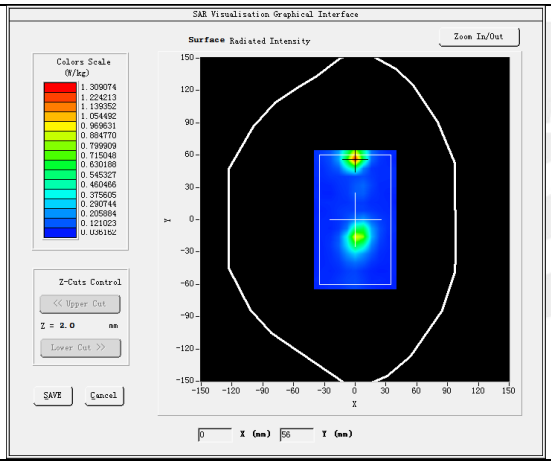
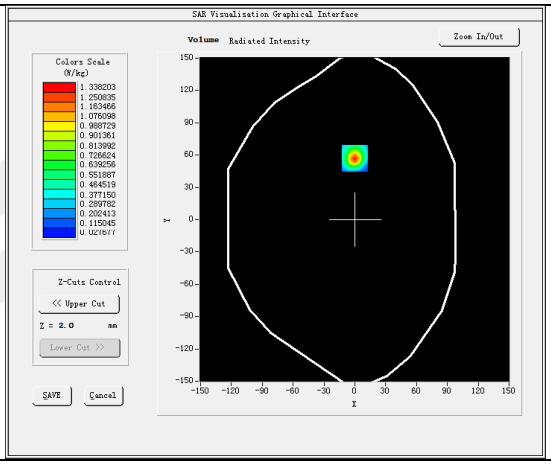
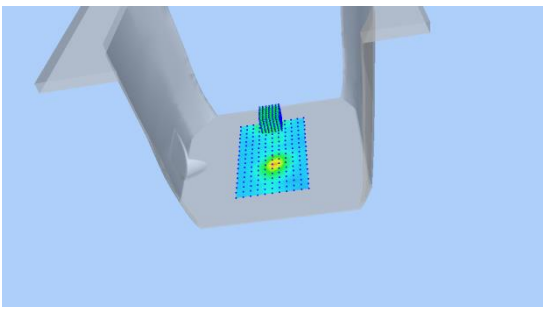
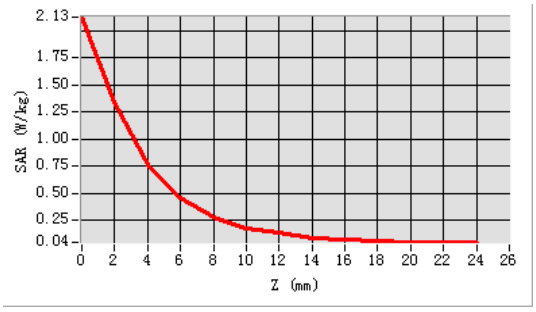
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 7: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-25
Probe	SN 07/21 EPGO352
ConvF	1.47
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.2GHz WLAN ANT-MIMO-1
Signal	802.11 n-HT40 (Crest factor: 1.0)
Frequency (MHz)	5190
Relative permittivity (real part)	36.97
Conductivity (S/m)	4.66

Maximum location: X=0.00, Y=57.00
SAR Peak: 2.20 W/kg

SAR 10g (W/Kg)	0.248244
SAR 1g (W/Kg)	0.732601

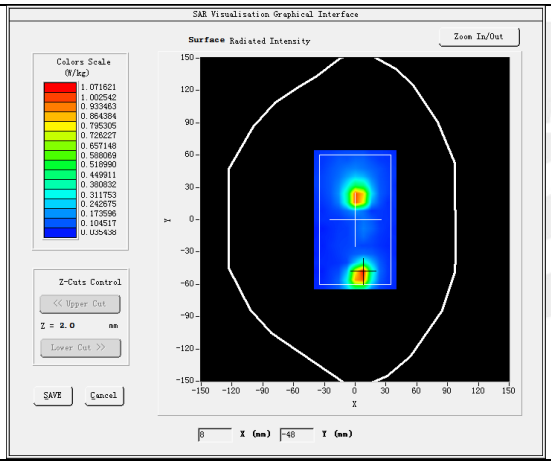
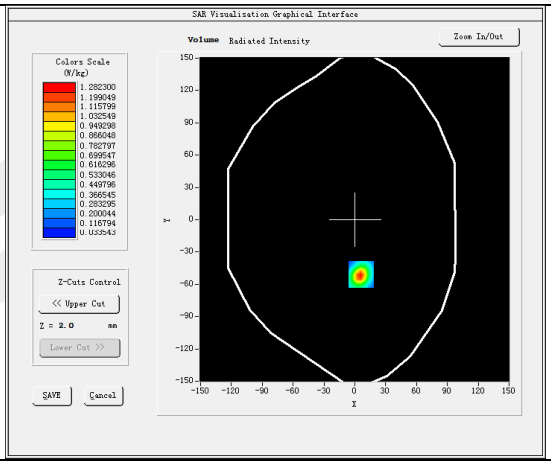
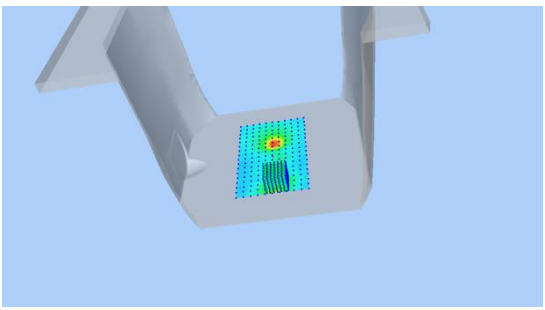
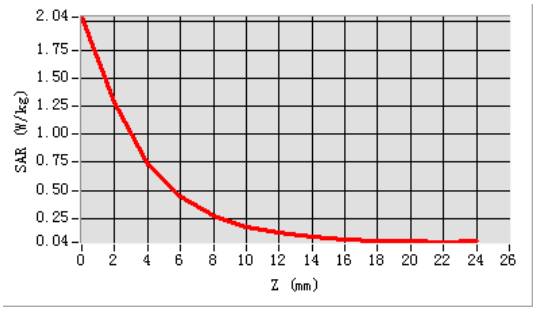
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 8: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-25
Probe	SN 07/21 EPGO352
ConvF	1.47
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.2GHz WLAN ANT-MIMO-2
Signal	802.11 n-HT40 (Crest factor: 1.0)
Frequency (MHz)	5190
Relative permittivity (real part)	36.97
Conductivity (S/m)	4.66

Maximum location: X=6.00, Y=-51.00
SAR Peak: 2.15 W/kg

SAR 10g (W/Kg)	0.246020
SAR 1g (W/Kg)	0.717618

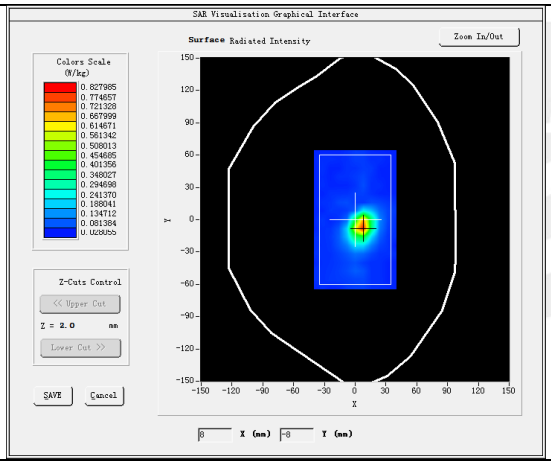
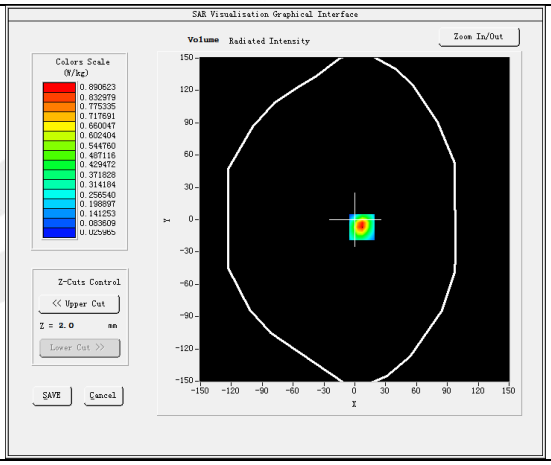
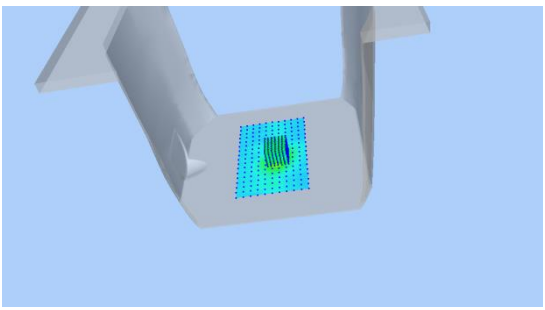
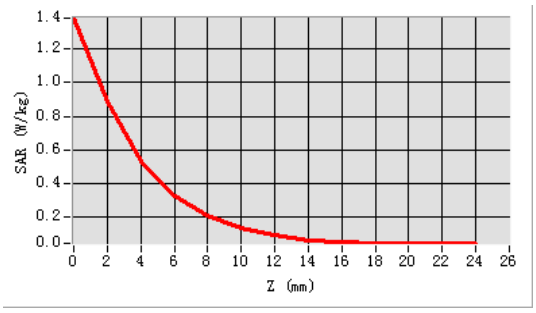
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 9: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-26
Probe	SN 07/21 EPGO352
ConvF	1.65
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.3GHz WLAN ANT-1
Signal	802.11ac-VHT40 (Crest factor: 1.0)
Frequency (MHz)	5270
Relative permittivity (real part)	35.78
Conductivity (S/m)	4.70

Maximum location: X=7.00, Y=-7.00
SAR Peak: 1.47 W/kg

SAR 10g (W/Kg)	0.184464
SAR 1g (W/Kg)	0.509225

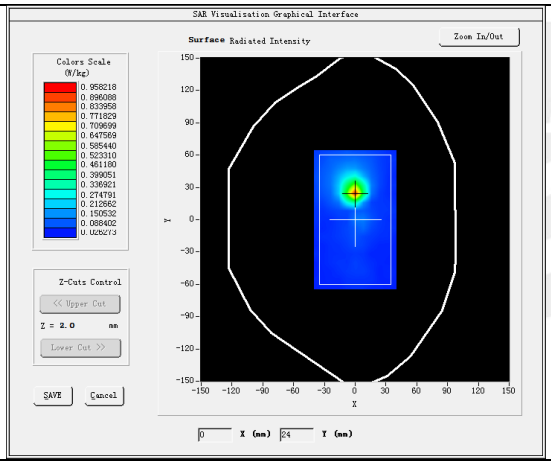
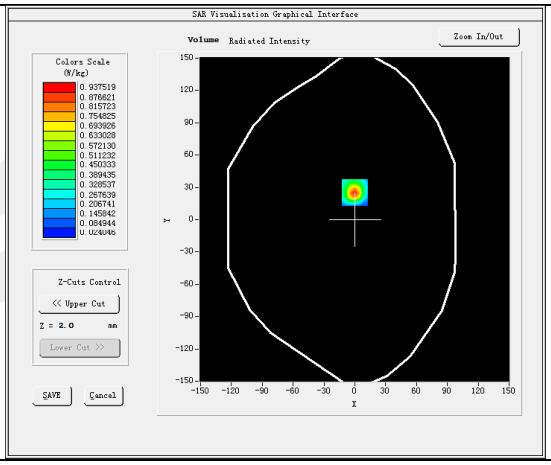
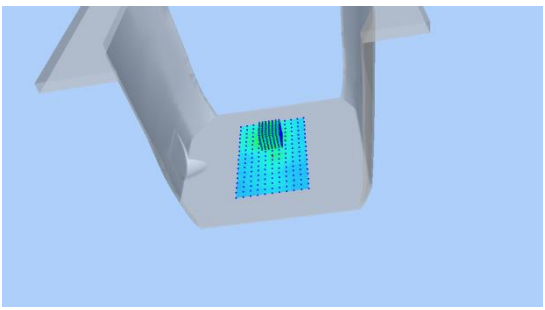
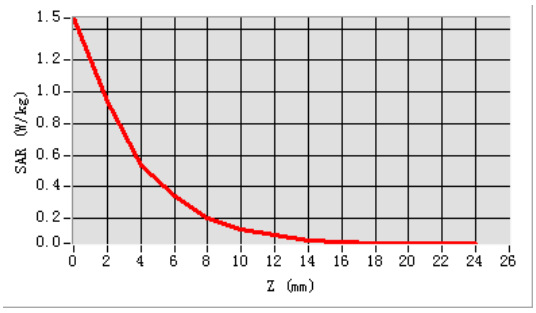
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 10: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-26
Probe	SN 07/21 EPGO352
ConvF	1.65
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.3GHz WLAN ANT-2
Signal	802.11 n-HT40 (Crest factor: 1.0)
Frequency (MHz)	5310
Relative permittivity (real part)	36.66
Conductivity (S/m)	4.78

Maximum location: X=0.00, Y=25.00
SAR Peak: 1.52 W/kg

SAR 10g (W/Kg)	0.182445
SAR 1g (W/Kg)	0.521770

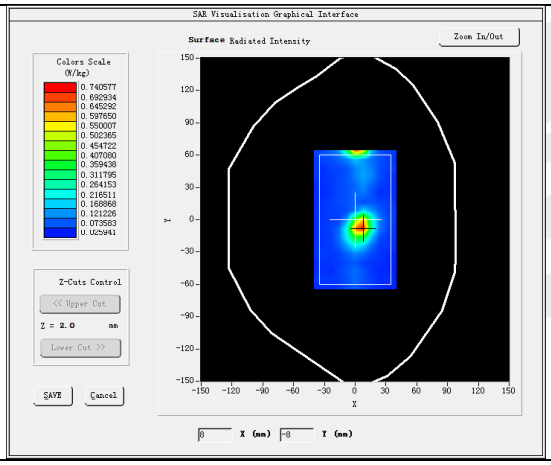
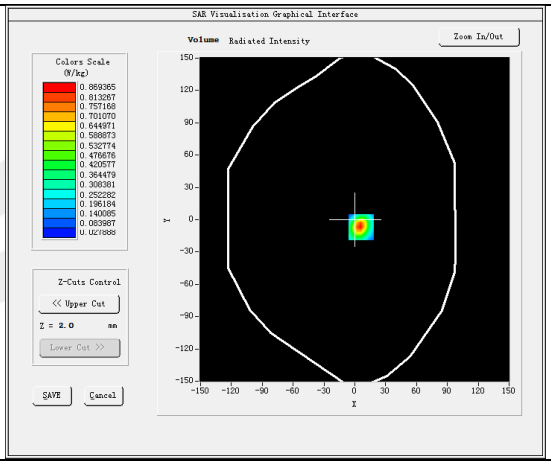
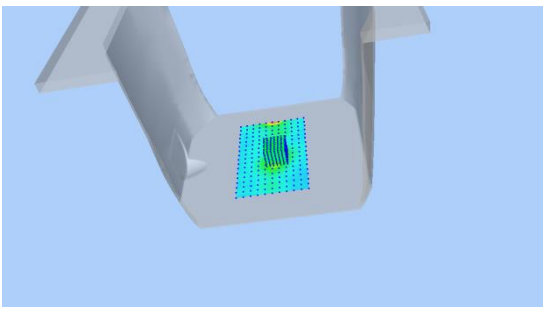
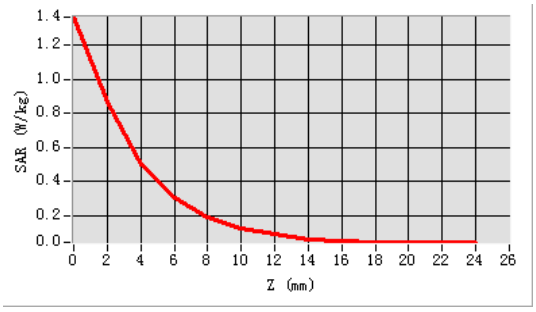
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 11: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-26
Probe	SN 07/21 EPGO352
ConvF	1.65
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.3GHz WLAN ANT-MIMO-1
Signal	802.11ac-VHT40 (Crest factor: 1.0)
Frequency (MHz)	5310
Relative permittivity (real part)	36.66
Conductivity (S/m)	4.78

Maximum location: X=6.00, Y=-7.00
SAR Peak: 1.43 W/kg

SAR 10g (W/Kg)	0.176754
SAR 1g (W/Kg)	0.490987

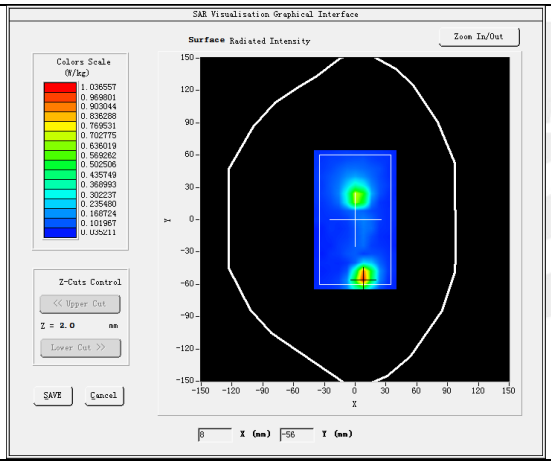
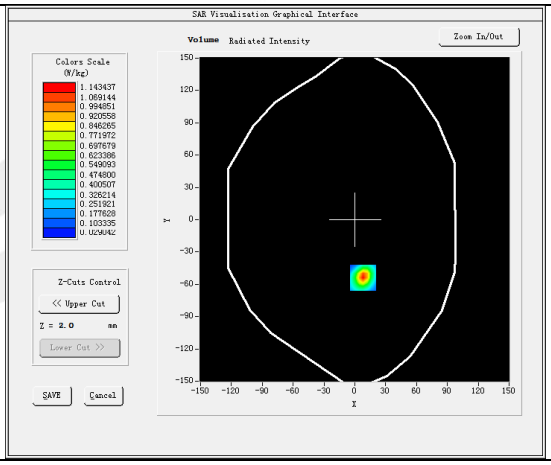
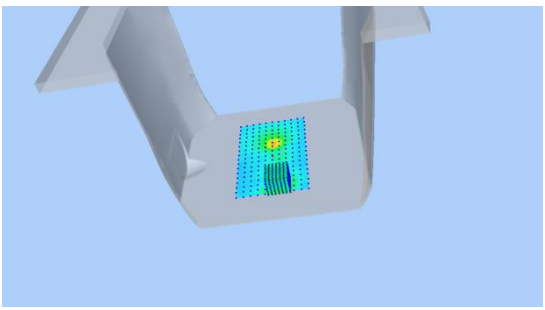
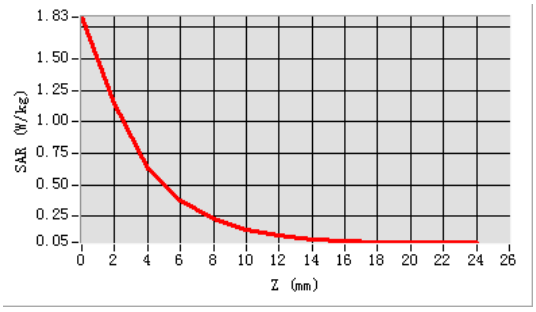
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 12: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-26
Probe	SN 07/21 EPGO352
ConvF	1.65
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.3GHz WLAN ANT-MIMO-2
Signal	802.11ac-VHT40 (Crest factor: 1.0)
Frequency (MHz)	5310
Relative permittivity (real part)	36.66
Conductivity (S/m)	4.78

Maximum location: X=8.00, Y=-54.00
SAR Peak: 1.91 W/kg

SAR 10g (W/Kg)	0.214144
SAR 1g (W/Kg)	0.625996

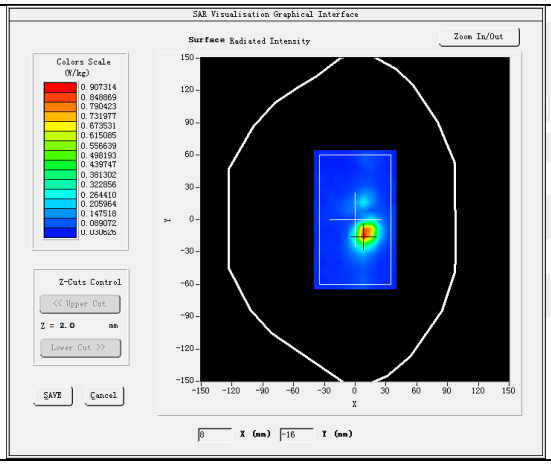
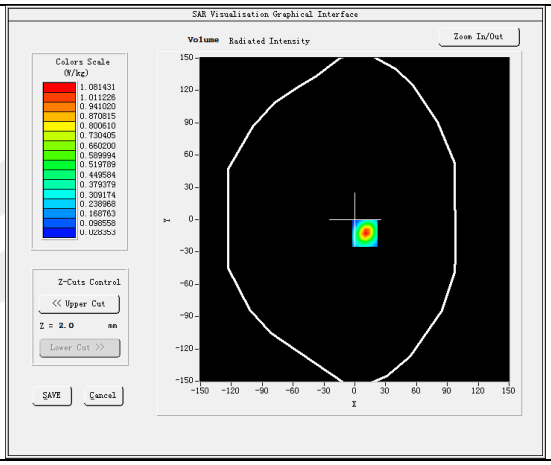
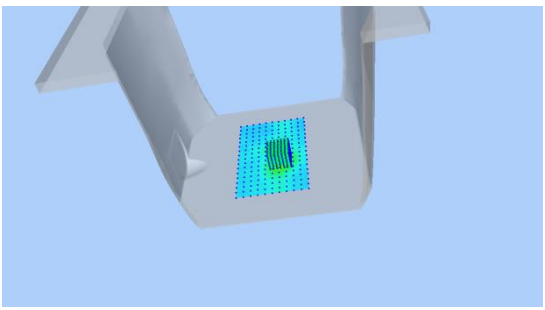
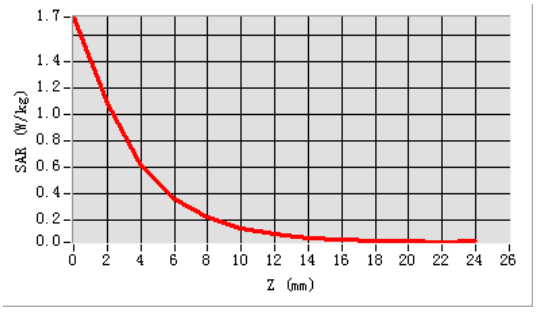
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 13: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-26
Probe	SN 07/21 EPGO352
ConvF	1.74
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.6GHz WLAN ANT-1
Signal	802.11ac-VHT40 (Crest factor: 1.0)
Frequency (MHz)	5510
Relative permittivity (real part)	36.25
Conductivity (S/m)	4.97

Maximum location: X=10.00, Y=-13.00
SAR Peak: 1.84 W/kg

SAR 10g (W/Kg)	0.202890
SAR 1g (W/Kg)	0.602168

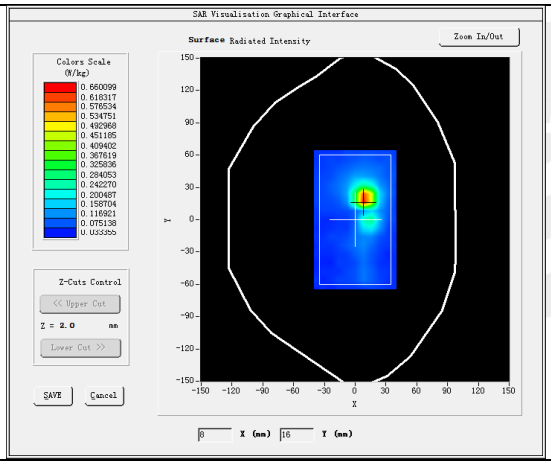
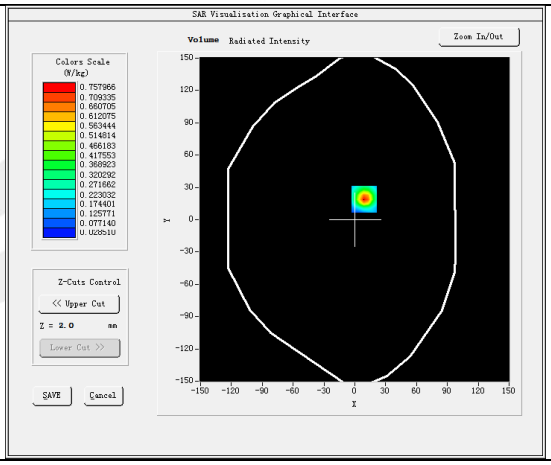
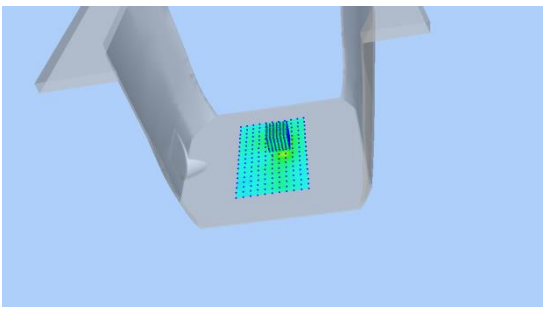
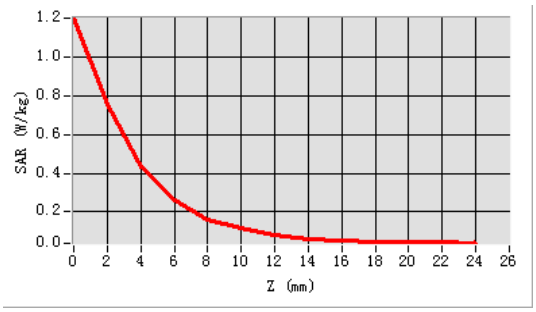
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 14: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-26
Probe	SN 07/21 EPGO352
ConvF	1.74
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.6GHz WLAN ANT-2
Signal	802.11ac-VHT40 (Crest factor: 1.0)
Frequency (MHz)	5550
Relative permittivity (real part)	36.48
Conductivity (S/m)	5.04

Maximum location: X=9.00, Y=19.00
SAR Peak: 1.25 W/kg

SAR 10g (W/Kg)	0.155037
SAR 1g (W/Kg)	0.427330

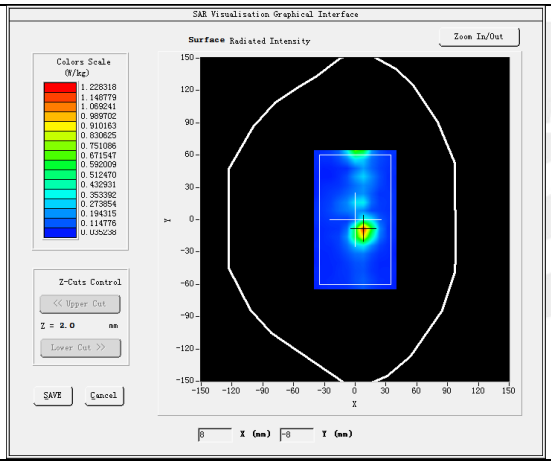
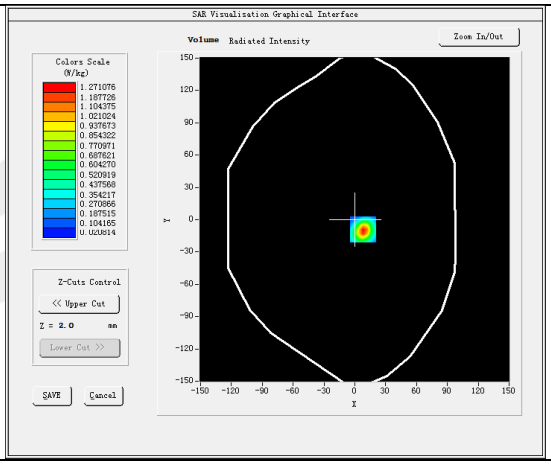
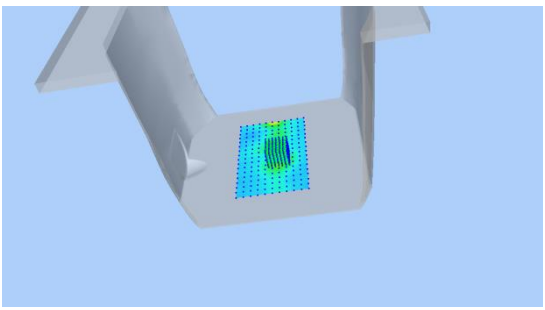
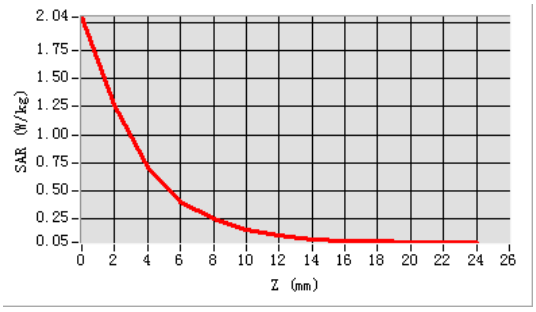
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 15: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-26
Probe	SN 07/21 EPGO352
ConvF	1.74
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.6GHz WLAN ANT-MIMO-1
Signal	802.11ac-VHT40 (Crest factor: 1.0)
Frequency (MHz)	5550
Relative permittivity (real part)	36.48
Conductivity (S/m)	5.04

Maximum location: X=8.00, Y=-9.00
SAR Peak: 2.17 W/kg

SAR 10g (W/Kg)	0.235864
SAR 1g (W/Kg)	0.704824

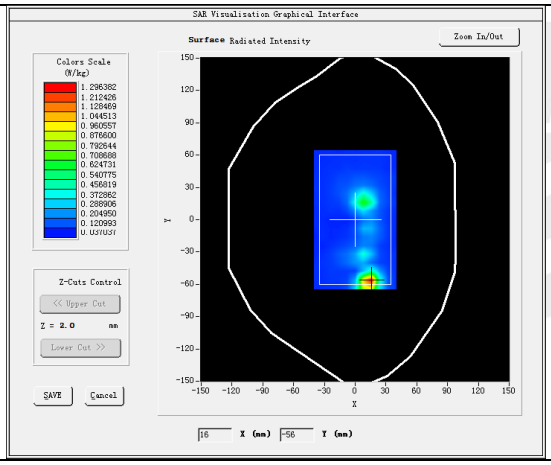
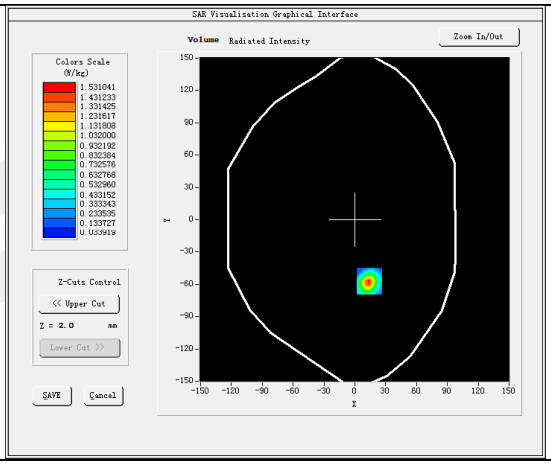
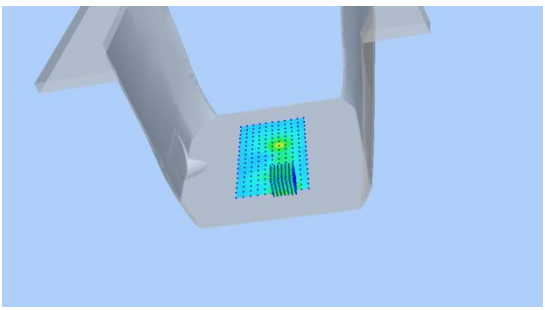
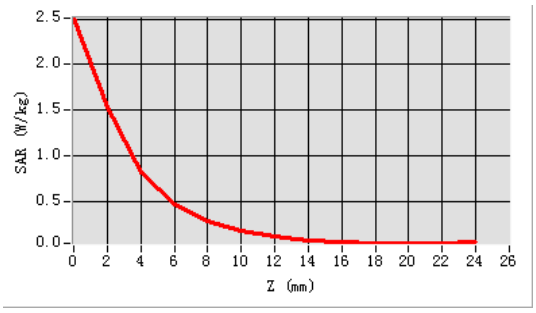
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 16: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-26
Probe	SN 07/21 EPGO352
ConvF	1.74
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.6GHz WLAN ANT-MIMO-2
Signal	802.11ac-VHT40 (Crest factor: 1.0)
Frequency (MHz)	5550
Relative permittivity (real part)	36.48
Conductivity (S/m)	5.04

Maximum location: X=14.00, Y=-57.00
SAR Peak: 2.66 W/kg

SAR 10g (W/Kg)	0.263582
SAR 1g (W/Kg)	0.818375

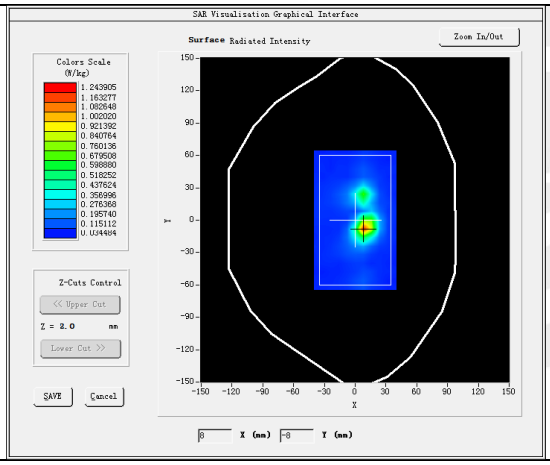
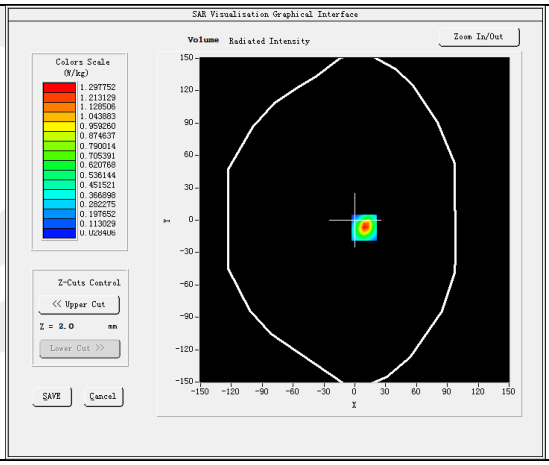
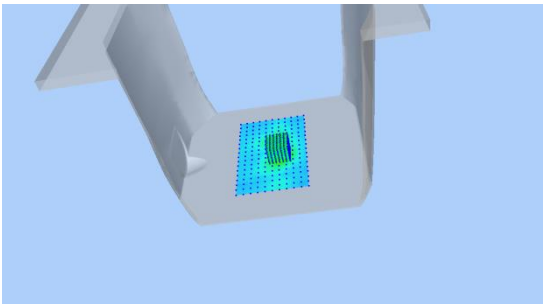
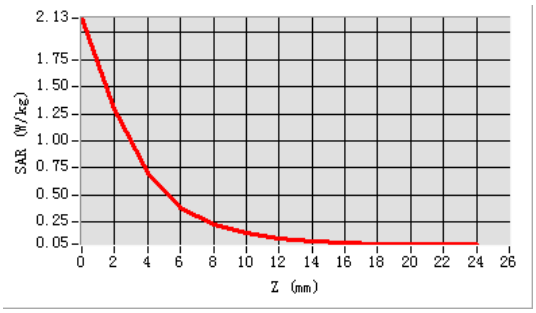
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 17: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-27
Probe	SN 07/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.8GHz WLAN ANT-1
Signal	802.11ax-VHT20 (Crest factor: 1.0)
Frequency (MHz)	5785
Relative permittivity (real part)	36.21
Conductivity (S/m)	5.21

Maximum location: X=9.00, Y=-7.00
SAR Peak: 2.28 W/kg

SAR 10g (W/Kg)	0.237924
SAR 1g (W/Kg)	0.715354

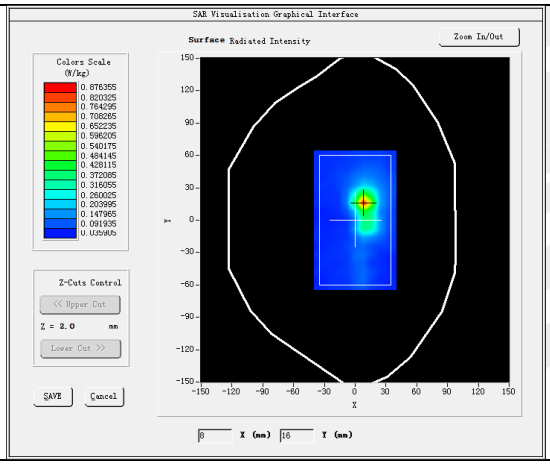
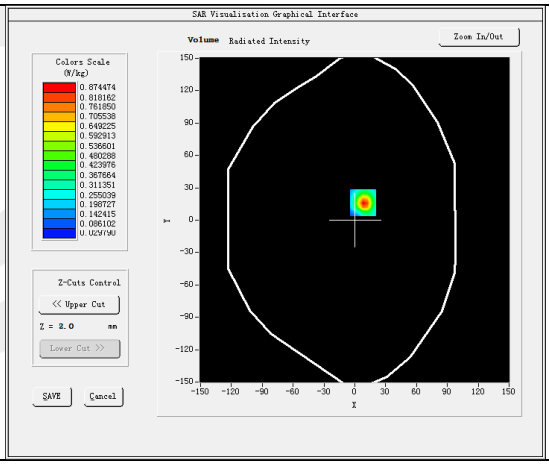
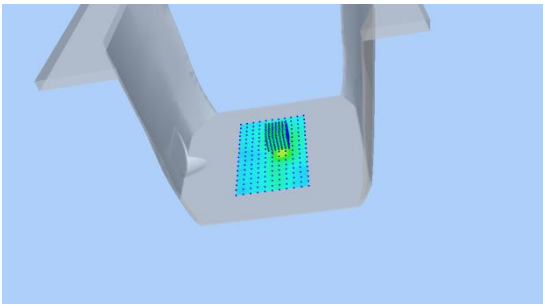
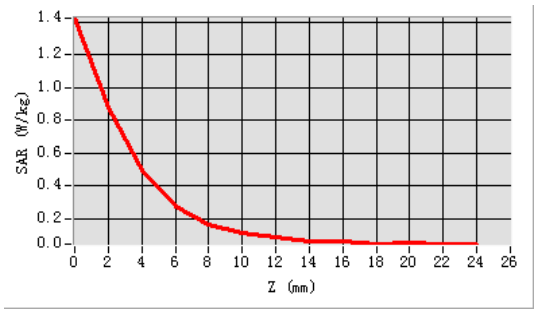
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 18: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-27
Probe	SN 07/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.8GHz WLAN ANT-2
Signal	802.11ax-VHT40 (Crest factor: 1.0)
Frequency (MHz)	5795
Relative permittivity (real part)	35.54
Conductivity (S/m)	5.23

Maximum location: X=8.00, Y=16.00
SAR Peak: 1.50 W/kg

SAR 10g (W/Kg)	0.179226
SAR 1g (W/Kg)	0.495094

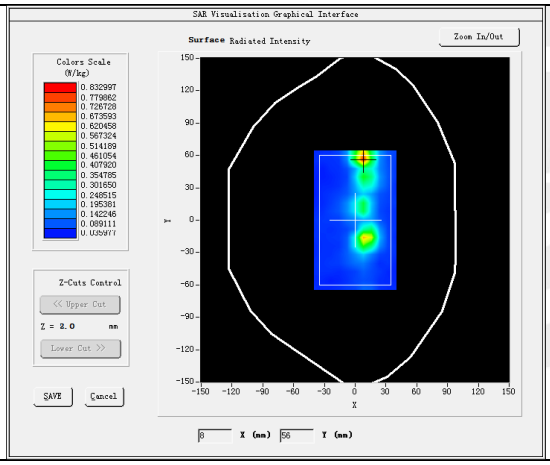
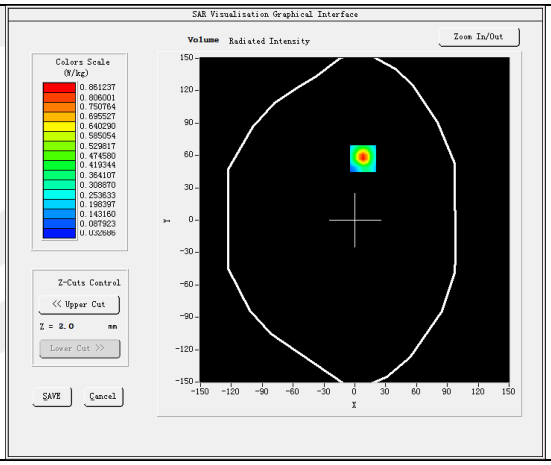
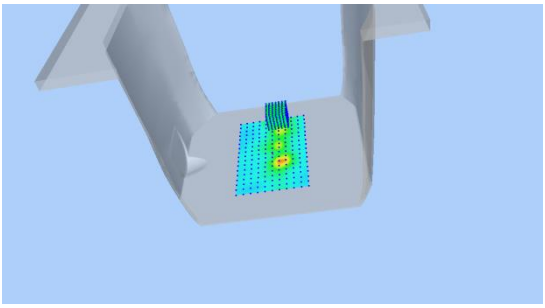
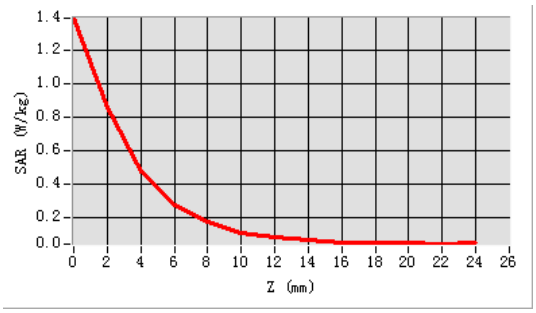
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 19: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-27
Probe	SN 07/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.8GHz WLAN ANT-MIMO-1
Signal	802.11ac-VHT40 (Crest factor: 1.0)
Frequency (MHz)	5795
Relative permittivity (real part)	35.54
Conductivity (S/m)	5.23

Maximum location: X=8.00, Y=57.00
SAR Peak: 1.46 W/kg

SAR 10g (W/Kg)	0.175199
SAR 1g (W/Kg)	0.484962

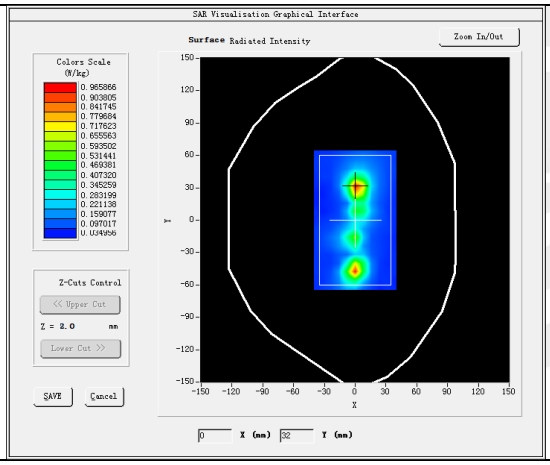
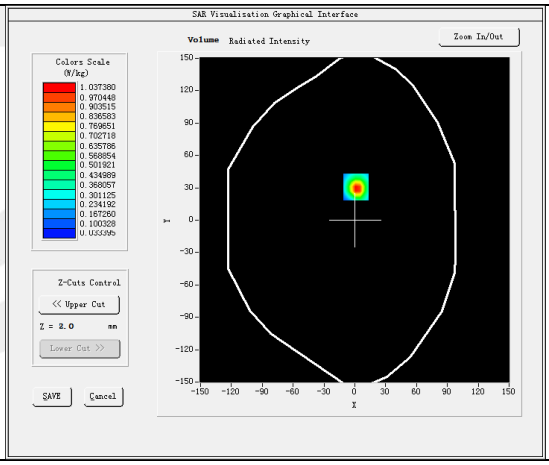
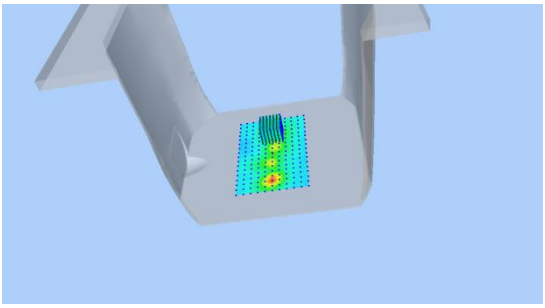
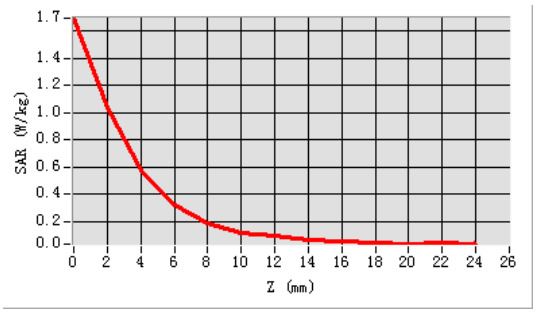
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 20: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-07-27
Probe	SN 07/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Top Side
Band	5.8GHz WLAN ANT-MIMO-2
Signal	802.11ac-VHT40 (Crest factor: 1.0)
Frequency (MHz)	5795
Relative permittivity (real part)	35.54
Conductivity (S/m)	5.23

Maximum location: X=1.00, Y=31.00
SAR Peak: 1.85 W/kg

SAR 10g (W/Kg)	0.209403
SAR 1g (W/Kg)	0.598529

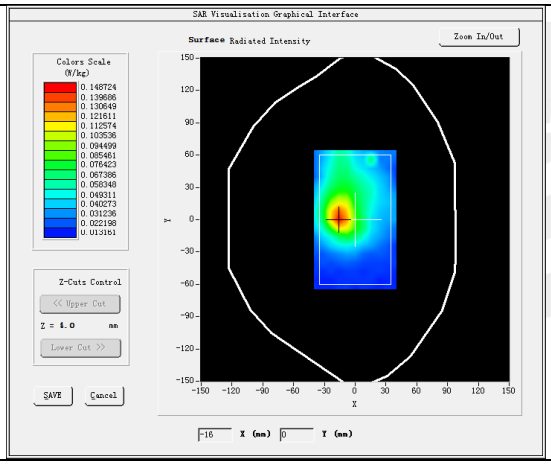
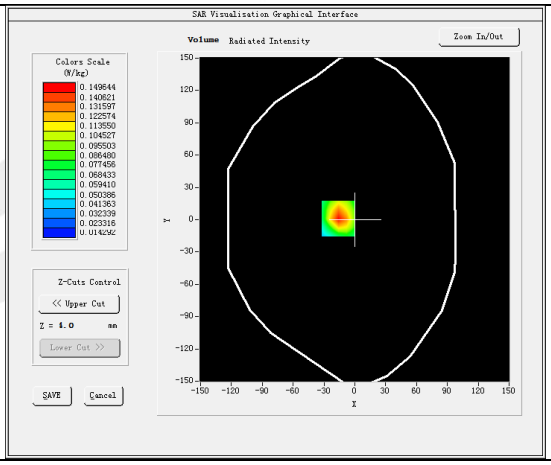
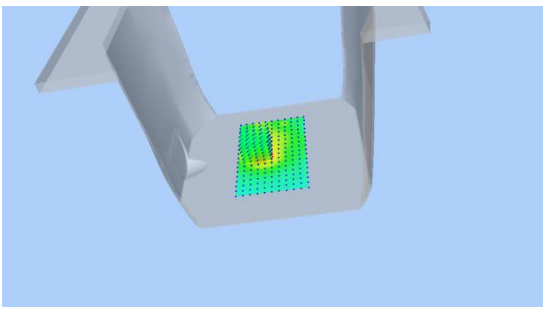
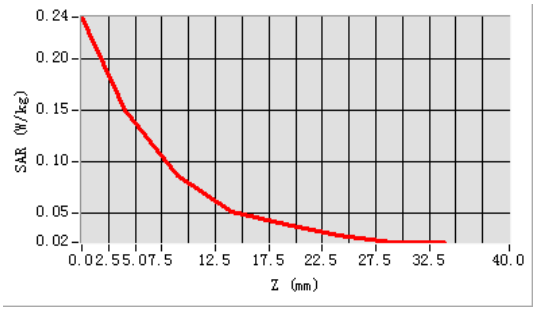
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 21: DUT: Rugged Windows Tablet EUT Model: GTW5081

Test Date	2023-10-09
Probe	SN 07/21 EPGO352
ConvF	1.75
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm, dy=8mm, dz=5mm, Complete/ndx=8mm, dy=8mm, h= 5.00 mm
Phantom	Validation plane
Device Position	Back Side
Band	BT
Signal	GFSK (Crest factor: 1.0)
Frequency (MHz)	2480
Relative permittivity (real part)	40.53
Conductivity (S/m)	1.74

Maximum location: X=-16.00, Y=1.00
SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.080169
SAR 1g (W/Kg)	0.142216

SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Appendix C. Probe Calibration And Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※※END OF THE REPORT※※※※※