



LTE Band 7	20M	QPSK	1	0	Front side	21100	0.392	0.29	20.5	20.29	0.411	/
			50	0	Front side	21100	0.346	1.37	20	19.60	0.379	/
			1	0	Back Side	21100	0.544	-3.48	20.5	20.29	0.571	16
			50	0	Back Side	21100	0.514	3.60	20	19.60	0.564	/
			1	0	Left Side	21100	0.167	3.00	20.5	20.29	0.175	/
			50	0	Left Side	21100	0.155	1.84	20	19.60	0.170	/
			1	0	Right Side	21100	0.092	2.87	20.5	20.29	0.097	/
			50	0	Right Side	21100	0.075	-2.51	20	19.60	0.082	/
			1	0	Bottom Side	21100	0.127	-2.73	20.5	20.29	0.133	/
			50	0	Bottom Side	21100	0.112	0.28	20	19.60	0.123	/
LTE Band 12	10M	QPSK	1	0	Front side	23095	0.155	-3.64	22.5	22.29	0.163	/
			25	0	Front side	23095	0.142	-2.25	21.8	21.54	0.151	/
			1	0	Back Side	23095	0.214	-3.83	22.5	22.29	0.225	18
			25	0	Back Side	23095	0.201	-2.23	21.8	21.54	0.213	/
			1	0	Left Side	23095	0.085	1.24	22.5	22.29	0.089	/
			25	0	Left Side	23095	0.072	-0.82	21.8	21.54	0.076	/
			1	0	Right Side	23095	0.048	0.42	22.5	22.29	0.050	/
			25	0	Right Side	23095	0.035	-2.38	21.8	21.54	0.037	/
			1	0	Bottom Side	23095	0.067	-0.64	22.5	22.29	0.070	/
			25	0	Bottom Side	23095	0.055	-2.33	21.8	21.54	0.058	/
LTE Band 17	10M	QPSK	1	0	Front side	23790	0.147	1.86	22.5	22.12	0.160	/
			25	0	Front side	23790	0.146	3.78	21.5	21.45	0.148	/
			1	0	Back Side	23790	0.206	-2.75	22.5	22.12	0.225	20
			25	0	Back Side	23790	0.196	-1.24	21.5	21.45	0.198	/
			1	0	Left Side	23790	0.077	1.25	22.5	22.12	0.084	/
			25	0	Left Side	23790	0.075	-0.58	21.5	21.45	0.076	/
			1	0	Right Side	23790	0.026	-0.04	22.5	22.12	0.028	/
			25	0	Right Side	23790	0.025	-1.98	21.5	21.45	0.025	/
			1	0	Bottom Side	23790	0.044	2.04	22.5	22.12	0.048	/
			25	0	Bottom Side	23790	0.042	-0.34	21.5	21.45	0.042	/
LTE Band 41	20M	QPSK	1	0	Front side	40620	0.078	-2.08	20	19.32	0.091	/
			50	0	Front side	40620	0.075	-2.05	19	18.58	0.083	/
			1	0	Back Side	40620	0.108	-0.83	20	19.32	0.126	22
			50	0	Back Side	40620	0.105	2.43	19	18.58	0.116	/
			1	0	Left Side	40620	0.046	-3.83	20	19.32	0.054	/
			50	0	Left Side	40620	0.042	-0.82	19	18.58	0.046	/
			1	0	Right Side	40620	0.016	0.94	20	19.32	0.019	/
			50	0	Right Side	40620	0.012	3.92	19	18.58	0.013	/
			1	0	Bottom Side	40620	0.033	1.34	20	19.32	0.039	/
			50	0	Bottom Side	40620	0.029	-3.41	19	18.58	0.032	/



Band	Mode	Test Position	Ch.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
2.4G WLAN	802.11b	Front side	1	0.124	2.18	17	16.80	0.130	/
		Back side	1	0.174	2.50	17	16.80	0.182	24
		Top side	1	0.056	-0.92	17	16.80	0.059	/

Note:

1. The test separation of all above table is 10mm.
2. Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For WWAN: Scaled SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
3. Per KDB 248227- When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg. (The highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power was **0.117** W/Kg for Body)
4. When the user enables the personal Wireless router functions for the handsets, actual operations include simultaneous transmission of both the Wi-Fi transmitting frequency and thus cannot be evaluated for SAR under actual use conditions. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.



Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

Position	Simultaneous State
Head	1. GSM + 2.4GHz WLAN/5G WLAN
	2. GSM + Bluetooth
	3. WCDMA + 2.4GHz WLAN/5G WLAN
	4. WCDMA + Bluetooth
	5. LTE + 2.4GHz WLAN/5G WLAN
	6. LTE + Bluetooth
Body	1. GSM + 2.4GHz WLAN/5G WLAN
	2. GSM + Bluetooth
	3. WCDMA + 2.4GHz WLAN/5G WLAN
	4. WCDMA + Bluetooth
	5. LTE + 2.4GHz WLAN/5G WLAN
	6. LTE + Bluetooth

NOTE:

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

Estimated SAR		Maximum Power		Antenna to user(mm)	Frequency(GHz)	Stand Alone SAR(1g) [W/kg]
		dBm	mW			
BT	Head	-5	0.316	5	2.480	0.013
	Body			10	2.480	0.007
5.2G WLAN	Body	8.5	6.310	10	5.240	0.216
5.8G WLAN	Body	10	10.000	10	5.825	0.322



Simultaneous Mode	Position	Mode	Max. 1-g SAR (W/kg)	1-g Sum SAR (W/kg)
GSM + 2.4G WLAN	Head	GSM	0.140	0.368
		2.4G WLAN	0.228	
	Body	GSM	0.408	0.590
		2.4G WLAN	0.182	
GSM + Bluetooth	Head	GSM	0.140	0.153
		Bluetooth	0.013	
	Body	GSM	0.408	0.415
		Bluetooth	0.007	
GSM + 5G WLAN	Head	GSM	0.140	0.664
		5G WLAN	0.524	
	Body	GSM	0.408	0.730
		5G WLAN	0.322	
WCDMA + 2.4G WLAN	Head	WCDMA	0.231	0.459
		2.4G WLAN	0.228	
	Body	WCDMA	0.321	0.503
		2.4G WLAN	0.182	
WCDMA + Bluetooth	Head	WCDMA	0.231	0.243
		Bluetooth	0.012	
	Body	WCDMA	0.321	0.328
		Bluetooth	0.007	
WCDMA + 5G WLAN	Head	WCDMA	0.231	0.755
		5G WLAN	0.524	
	Body	WCDMA	0.321	0.643
		5G WLAN	0.322	



LTE + 2.4G WLAN	Head	LTE	0.356	0.584
		2.4G WLAN	0.228	
	Body	LTE	0.571	0.753
		2.4G WLAN	0.182	
LTE + Bluetooth	Head	LTE	0.356	0.368
		Bluetooth	0.012	
	Body	LTE	0.571	0.578
		Bluetooth	0.007	
LTE + 5G WLAN	Head	LTE	0.356	0.880
		5G WLAN	0.524	
	Body	LTE	0.571	0.893
		5G WLAN	0.322	

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.

When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR-1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR-1g 1.6 W/kg), SAR test exclusion is determined by the SPLSR.



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
750MHz Dipole	MVG	SID750	SN 30/14 DIP0G750-331	2020.07.14	2023.07.13
835MHz Dipole	MVG	SID835	SN 30/14 DIP0G835-332	2020.07.14	2023.07.13
1800MHz Dipole	MVG	SID1800	SN 30/14 DIP1G800-329	2020.07.14	2023.07.13
1900MHz Dipole	MVG	SID1900	SN 30/14 DIP1G900-333	2020.07.14	2023.07.13
2450MHz Dipole	MVG	SID2450	SN 30/14 DIP2G450-335	2020.07.14	2023.07.13
2600MHz Dipole	MVG	SID2600	SN 30/14 DIP2G600-336	2020.07.14	2023.07.13
Waveguide	MVG	SWG5500	SN 13/14 WGA32	2020.07.14	2023.07.13
E-Field Probe	MVG	SSE2	SN 41/18 EPGO334	2020.07.14	2021.07.13
Dielectric Probe Kit	MVG	SCLMP	SN 32/14 OCPG67	2020.11.24	2021.11.23
Antenna	MVG	ANTA3	SN 07/13 ZNTA52	N/A	N/A
Phantom1	MVG	SAM	SN 32/14 SAM115	N/A	N/A
Phantom2	MVG	SAM	SN 32/14 SAM116	N/A	N/A
Phone holder	MVG	N/A	SN 32/14 MSH97	N/A	N/A
Laptop holder	MVG	N/A	SN 32/14 LSH29	N/A	N/A
Attenuator	Agilent	99899	DC-18GHz	N/A	N/A
Directional coupler	Narda	4226-20	3305	N/A	N/A
Network Analyzer	Agilent	8753ES	US38432810	2020.10.12	2021.10.11
Multi Meter	Keithley	Multi Meter 2000	4050073	2020.10.10	2021.10.09
Signal Generator	Agilent	N5182A	MY50140530	2020.10.10	2021.10.09
Wireless Communication Test Set	Agilent	8960-E5515C	MY48360751	2020.10.10	2021.10.09
Wireless Communication Test Set	R&S	CMW500	117239	2020.10.10	2021.10.09
Power Amplifier	DESAY	ZHL-42W	9638	2020.10.12	2021.10.11
Power Meter	R&S	NRP	100510	2020.10.10	2021.10.09
Power Meter	Agilent	E4419B	QB43312265	2020.10.10	2021.10.09
Power Sensor	R&S	NRP-Z11	101919	2020.10.10	2021.10.09
Power Sensor	HP	E9300A	US39210170	2020.10.10	2021.10.09
Temperature hygrometer	SuWei	SW-108	N/A	2020.10.12	2021.10.11
Thermograph	Elitech	RC-4	S/N EF7176501537	2020.10.12	2021.10.11

Note:

Per KDB 865664 D01, Dipole SAR Validation Verification, STS LAB has adopted 3 years calibration intervals. On annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole
2. System validation with specific dipole is within 10% of calibrated value

Return-loss in within 20% of calibrated measurement

Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

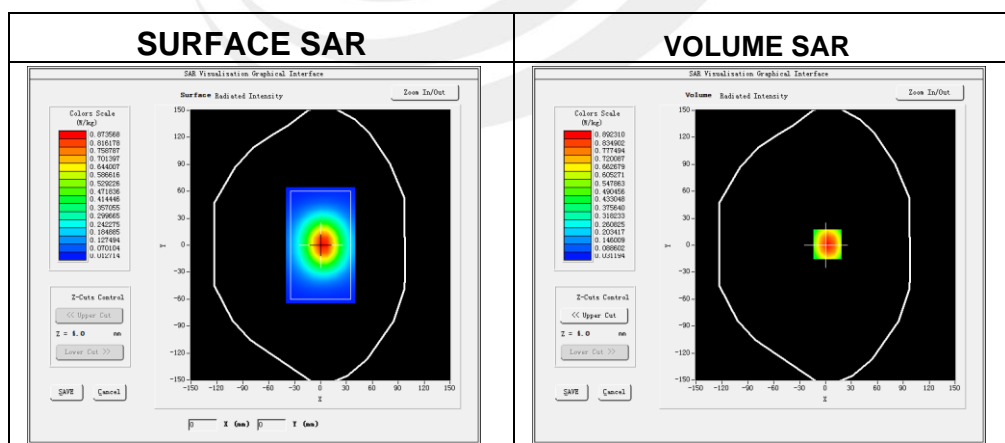
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2021-02-25

Experimental conditions

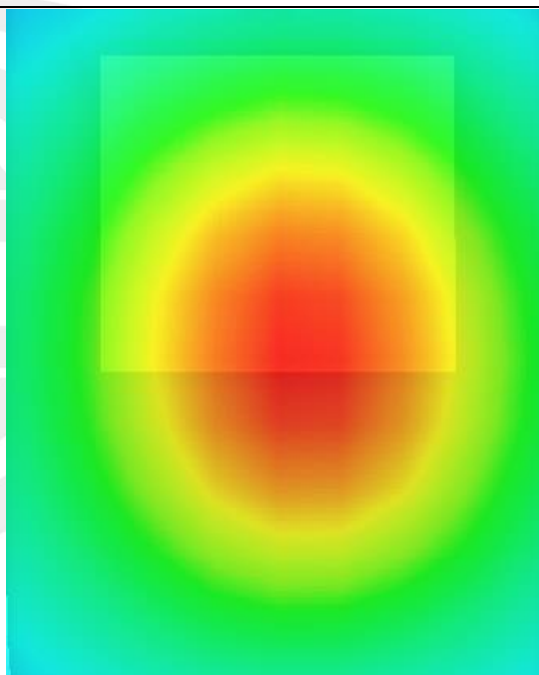
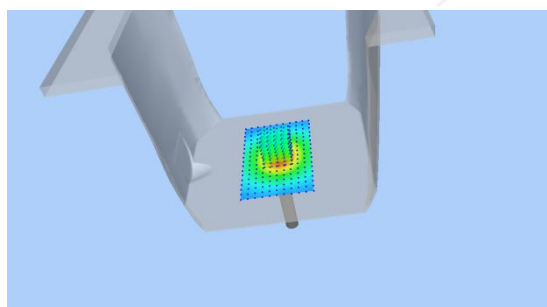
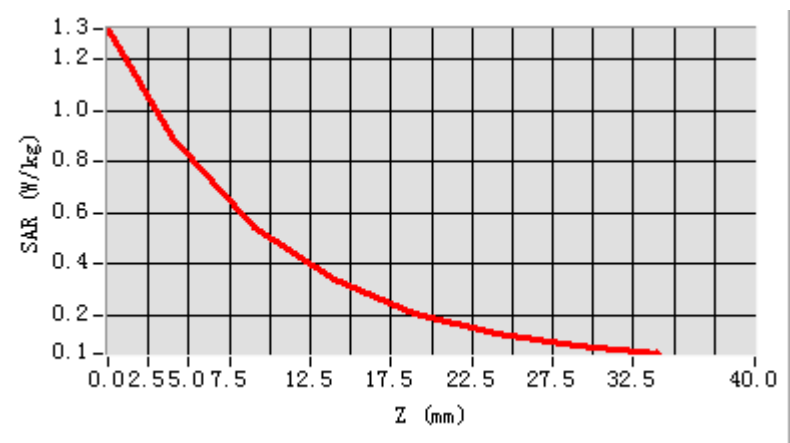
Phantom	Validation plane
Device Position	-
Band	750MHz
Channels	-
Signal	CW
Frequency (MHz)	750MHz
Relative permittivity	42.58
Conductivity (S/m)	0.88
Probe	SN 41/18 EPGO334
ConvF	1.43
Crest factor	1:1



Maximum location: X=2.00, Y=1.00

SAR 10g (W/Kg)	0.535529
SAR 1g (W/Kg)	0.877438

Z Axis Scan



System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

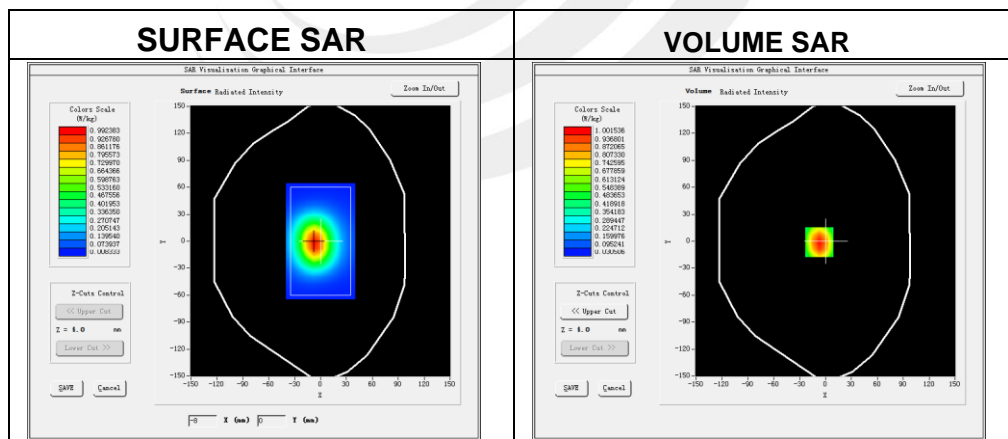
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2020-02-26

Experimental conditions

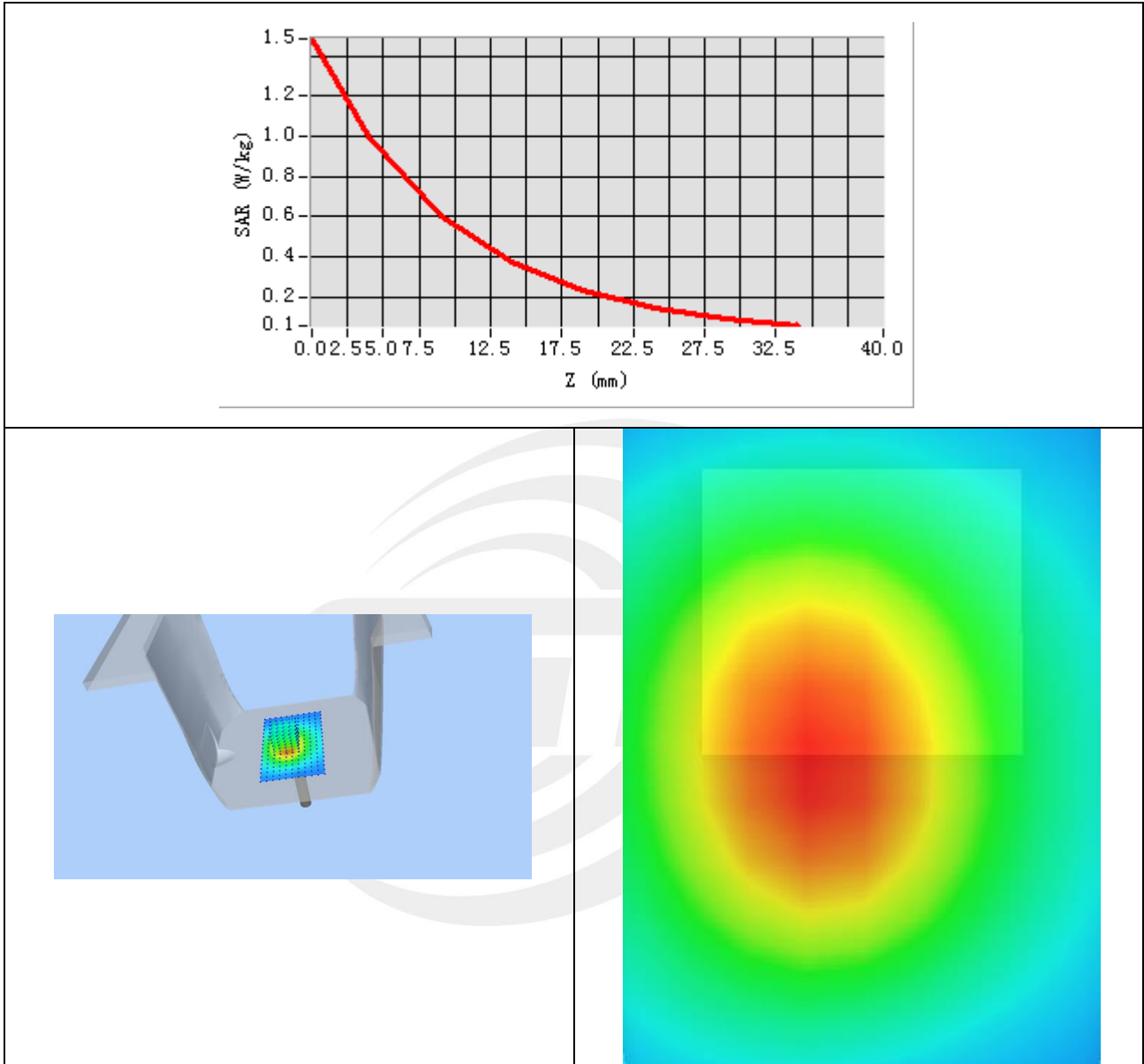
Phantom	Validation plane
Device Position	-
Band	835MHz
Channels	-
Signal	CW
Frequency (MHz)	835MHz
Relative permittivity	41.81
Conductivity (S/m)	0.90
Probe	SN 41/18 EPG0334
ConvF:	1.48
Crest factor:	1:1



Maximum location: X=-7.00, Y=-1.00

SAR 10g (W/Kg)	0.616945
SAR 1g (W/Kg)	0.903947

Z Axis Scan



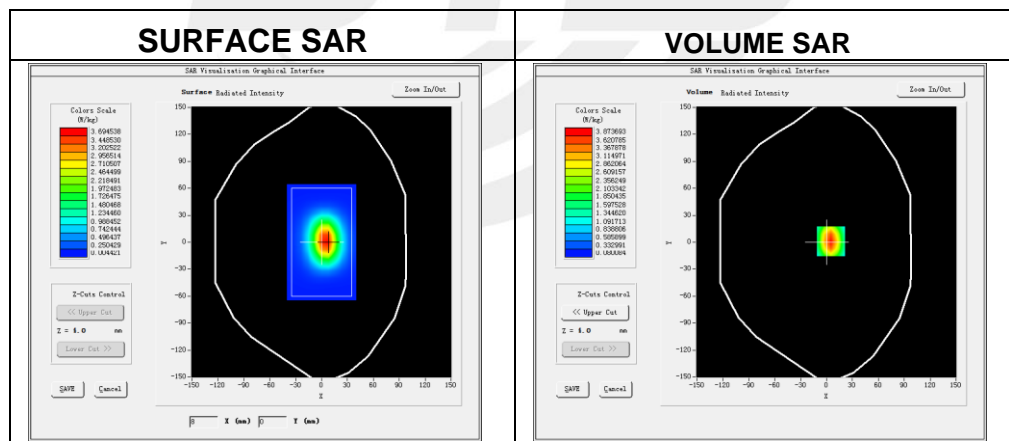


System Performance Check Data(1800MHz)

Type: Phone measurement (Complete)
 Area scan resolution: dx=8mm, dy=8mm
 Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
 Date of measurement: 2021-03-01

Experimental conditions.

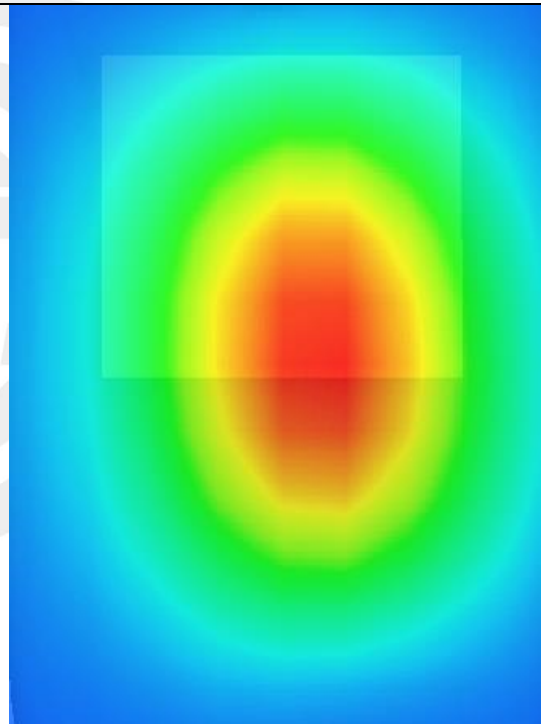
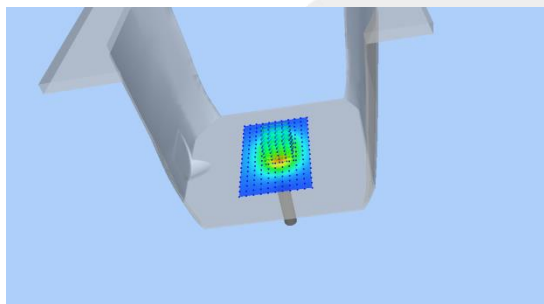
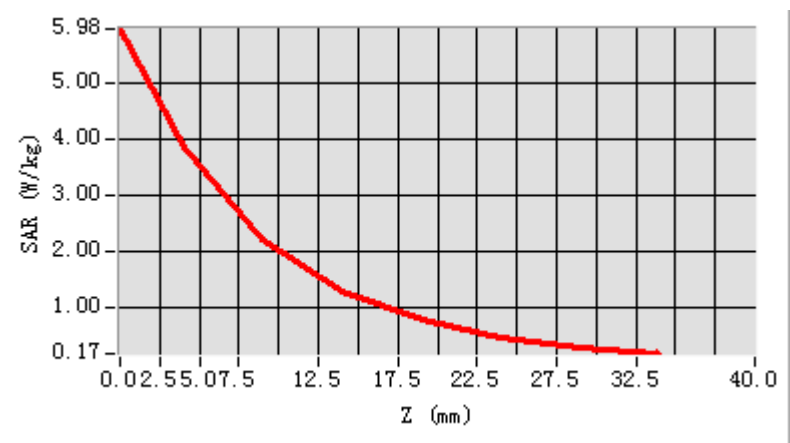
Phantom	Validation plane
Device Position	-
Band	1800MHz
Channels	-
Signal	CW
Frequency (MHz)	1800MHz
Relative permittivity	39.15
Conductivity (S/m)	1.40
Probe	SN 41/18 EPGO334
ConvF	1.60
Crest factor:	1:1



Maximum location: X=5.00, Y=1.00

SAR 10g (W/Kg)	1.964352
SAR 1g (W/Kg)	3.810646

Z Axis Scan



System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

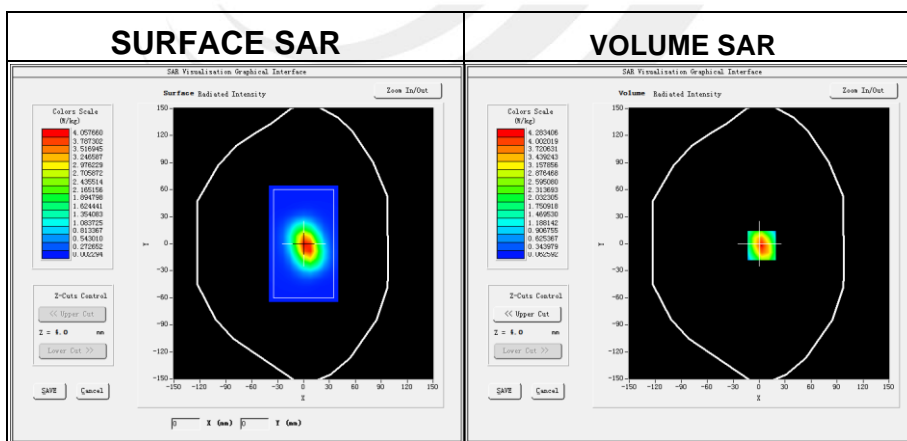
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2021-03-02

Experimental conditions.

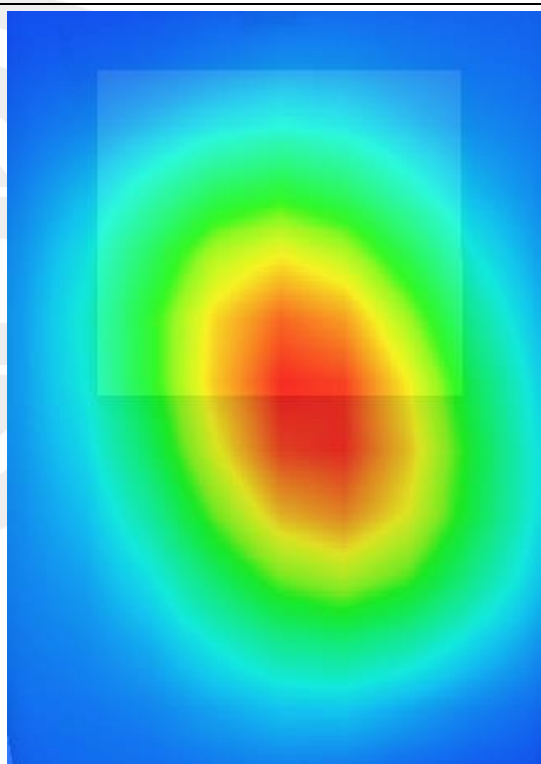
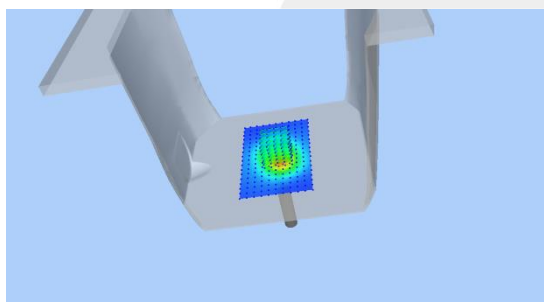
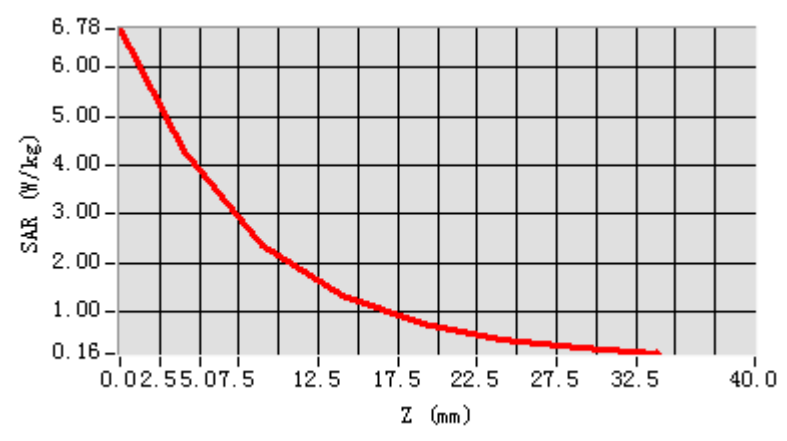
Phantom	Validation plane
Device Position	-
Band	1900MHz
Channels	-
Signal	CW
Frequency (MHz)	1900MHz
Relative permittivity	38.78
Conductivity (S/m)	1.42
Probe	SN 41/18 EPGO334
ConvF:	1.84
Crest factor:	1:1



Maximum location: X=3.00, Y=-2.00

SAR 10g (W/Kg)	2.083439
SAR 1g (W/Kg)	4.084060

Z Axis Scan

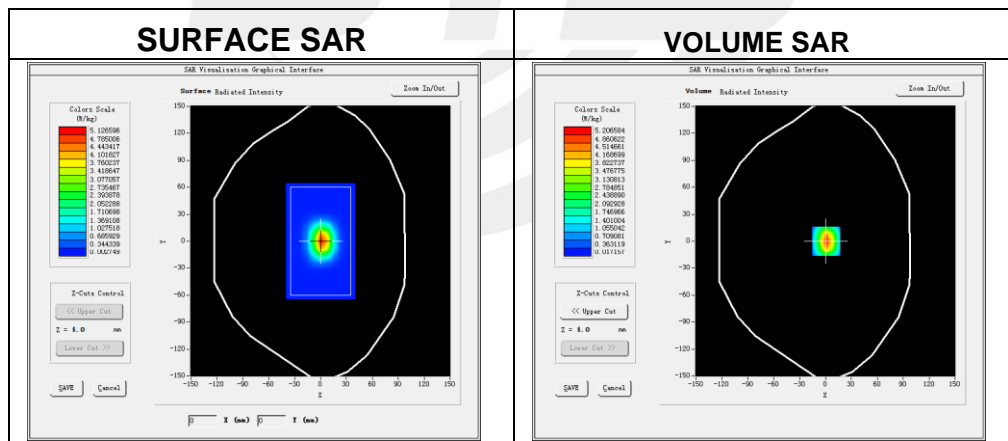


System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)
 Area scan resolution: dx=8mm, dy=8mm
 Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
 Date of measurement: 2021-03-03

Experimental conditions.

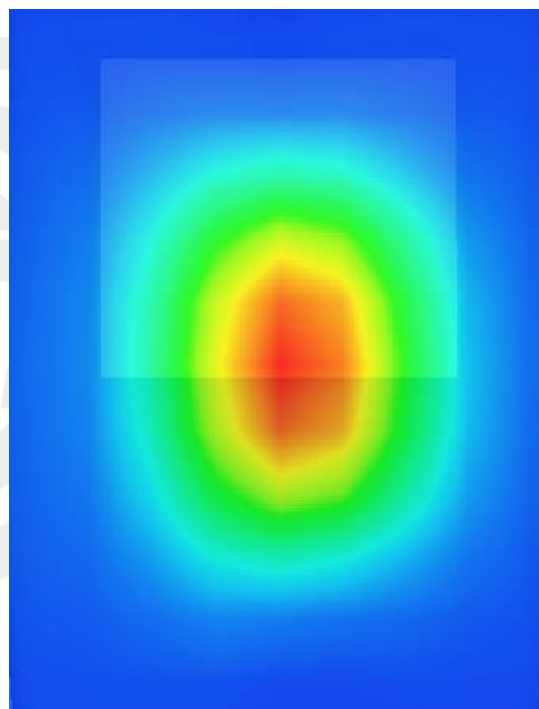
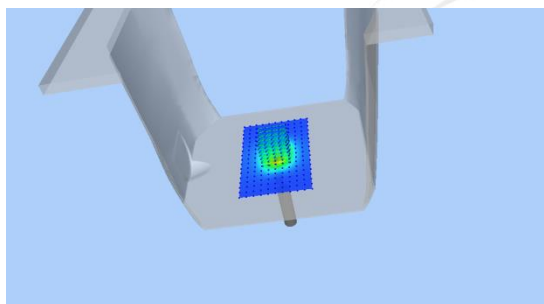
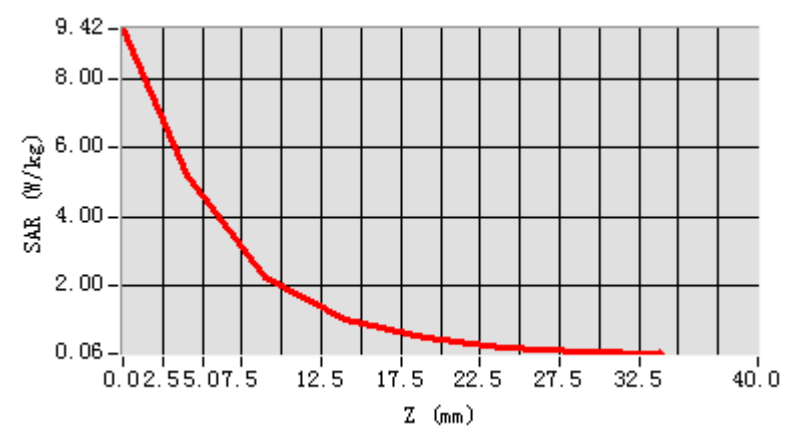
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	39.43
Conductivity (S/m)	1.81
Probe	SN 41/18 EPGO334
ConvF	1.97
Crest factor:	1:1



Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	2.352368
SAR 1g (W/Kg)	5.131641

Z Axis Scan



System Performance Check Data(2600MHz)

Type: Phone measurement (Complete)

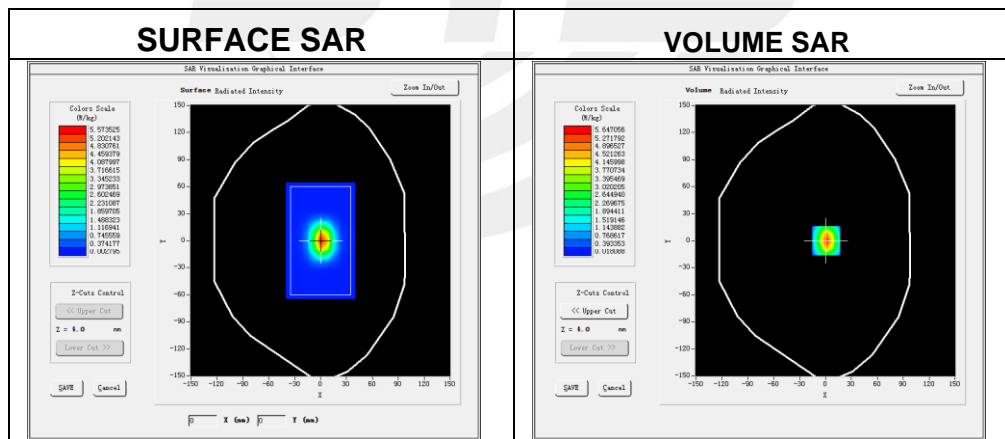
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2021-03-03

Experimental conditions.

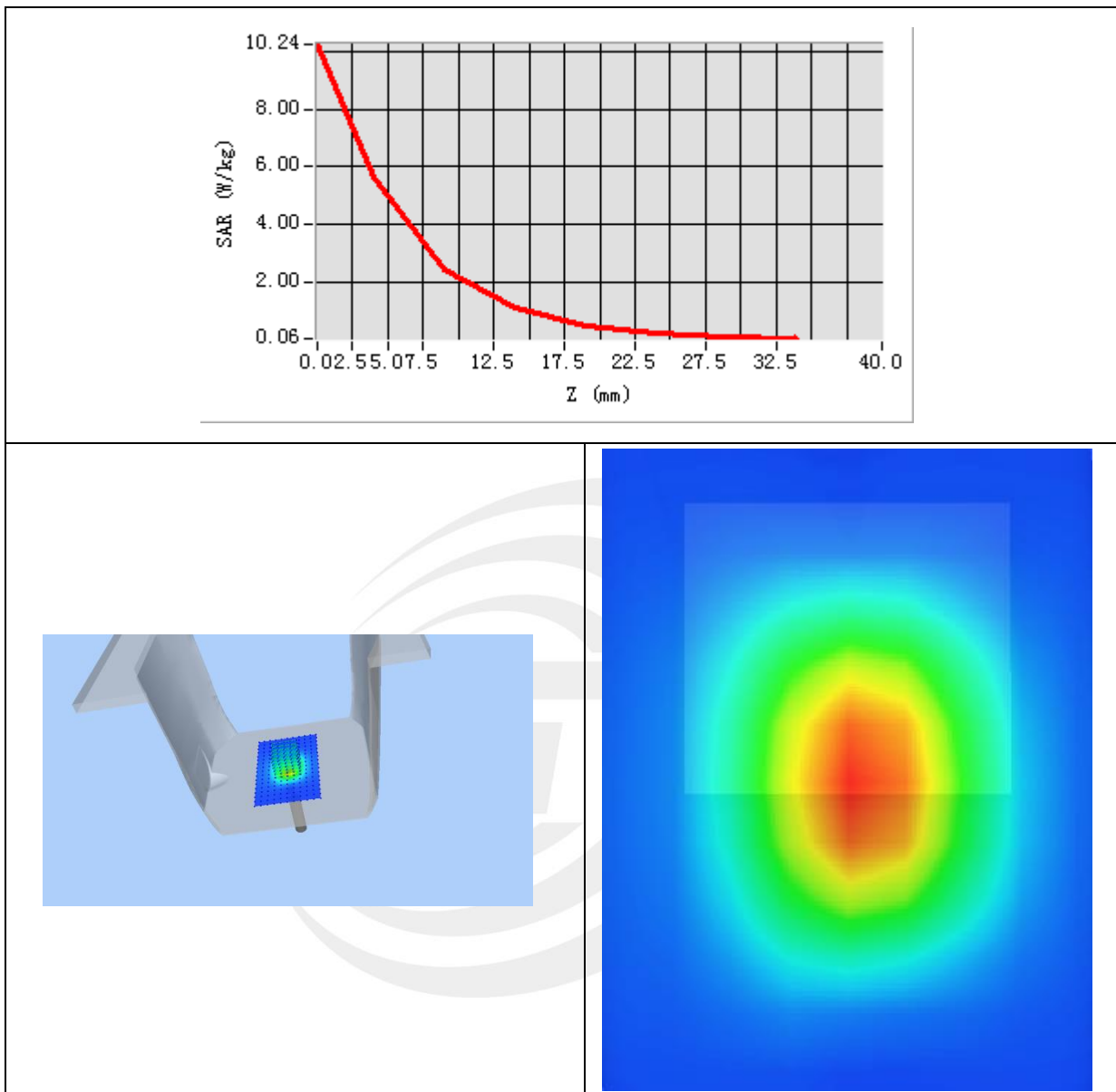
Device Position	Validation plane
Band	2600 MHz
Channels	-
Signal	CW
Frequency (MHz)	2600
Relative permittivity	38.08
Conductivity (S/m)	1.93
Probe	SN 41/18 EPGO334
ConvF	1.85
Crest factor:	1:1



Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	2.468865
SAR 1g (W/Kg)	5.190890

Z Axis Scan



System Performance Check Data(5200MHz)

Type: Dipole measurement (Complete)

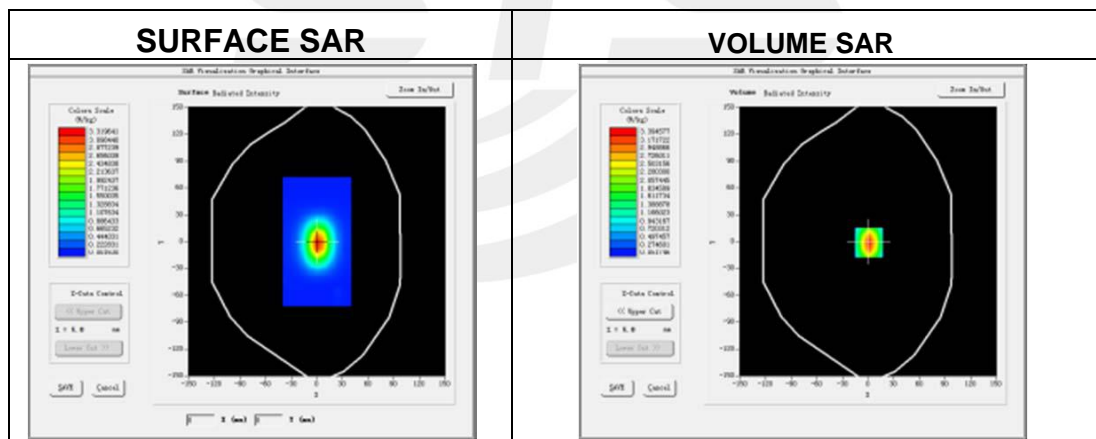
Area scan resolution: dx=8mm,dy=8mm

Zoom scan resolution: dx=4mm, dy=4mm, dz=2mm

Date of measurement: 2021-03-04

Experimental conditions.

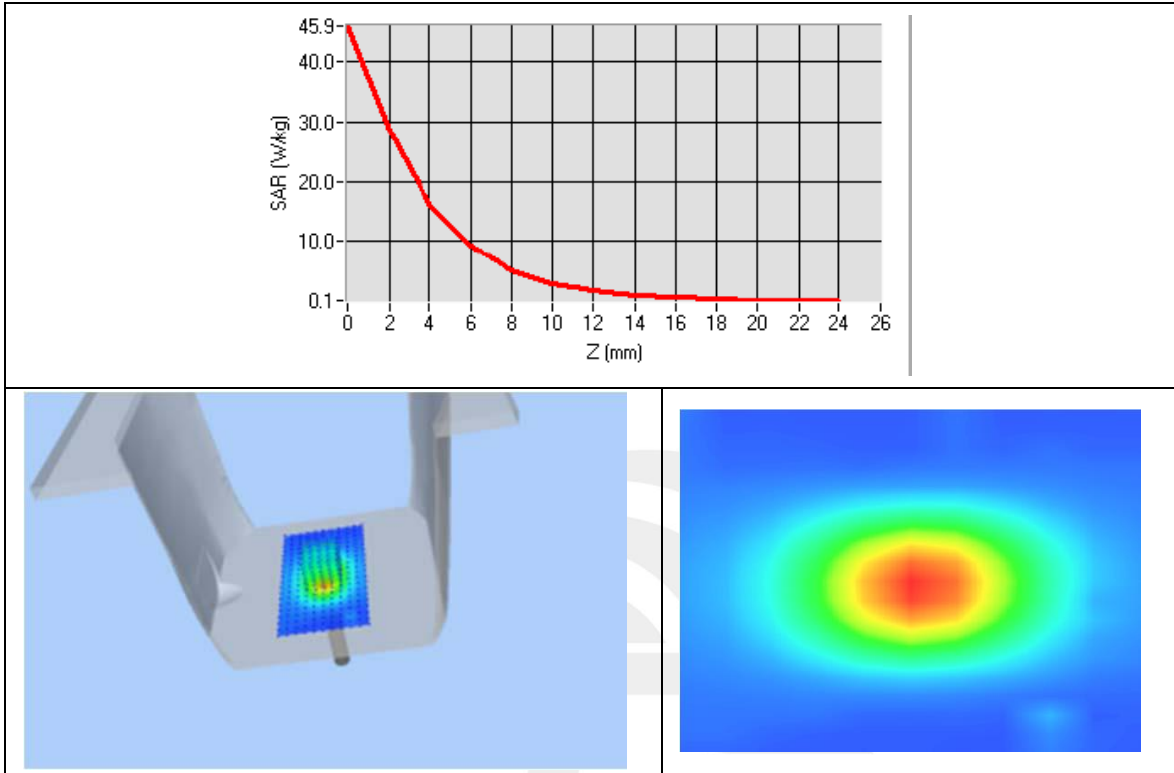
Device Position	Validation plane
Band	5200 MHz
Channels	-
Signal	CW
Frequency (MHz)	5200
Relative permittivity	37.28
Conductivity (S/m)	4.60
Probe	SN 41/18 EPGO334
ConvF	1.86
Crest factor:	1:1



Maximum location: X=7.00, Y=2.00

SAR 10g (W/Kg)	5.939760
SAR 1g (W/Kg)	16.372755

Z Axis Scan



System Performance Check Data(5800MHz)

Type: Dipole measurement (Complete)

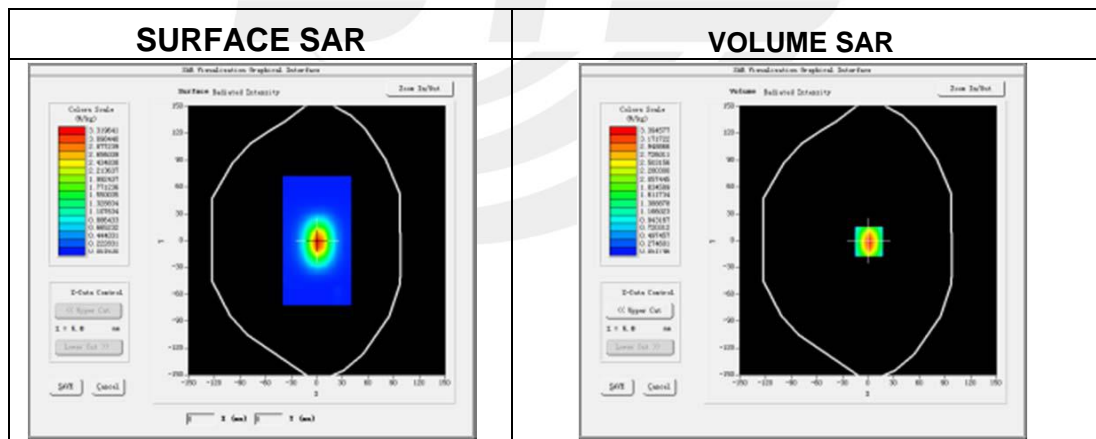
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2021-03-04

Experimental conditions.

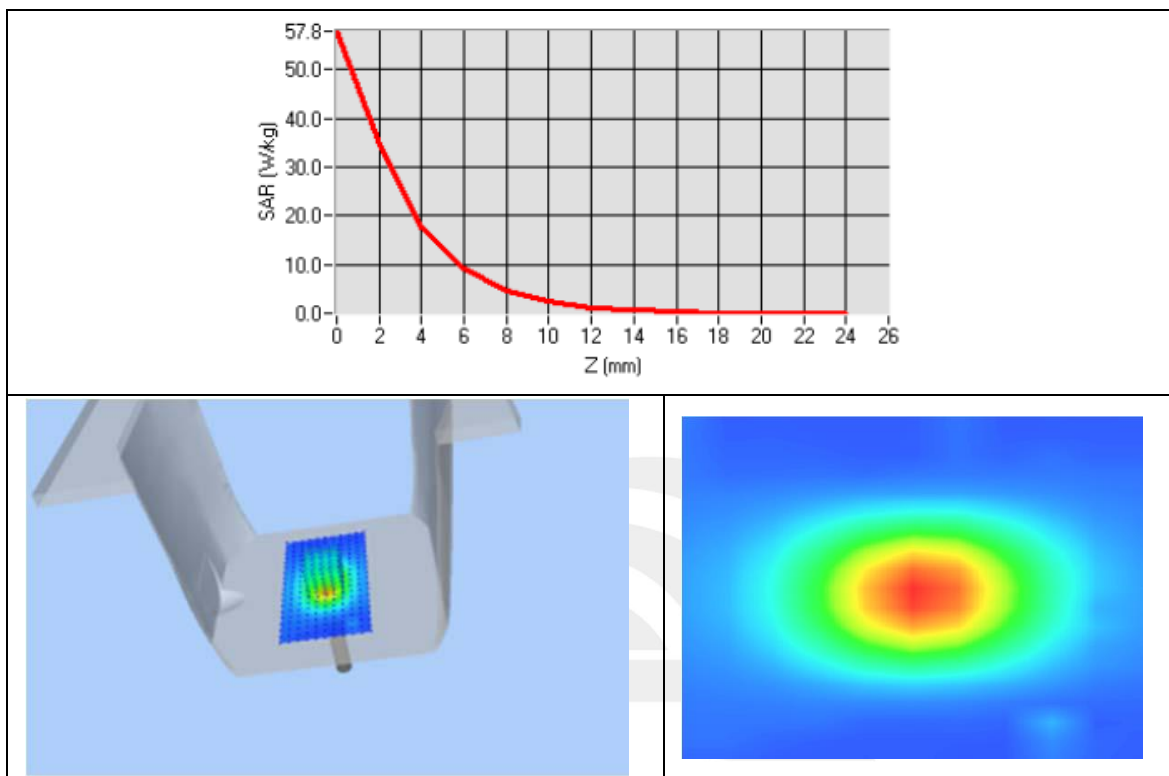
Device Position	Validation plane
Band	5800 MHz
Channels	-
Signal	CW
Frequency (MHz)	5800
Relative permittivity	35.25
Conductivity (S/m)	5.24
Probe	SN 41/18 EPGO334
ConvF	2.09
Crest factor:	1:1



Maximum location: X=7.00, Y=2.00

SAR 10g (W/Kg)	6.143273
SAR 1g (W/Kg)	16.683312

Z Axis Scan



Appendix B. SAR Test Plots

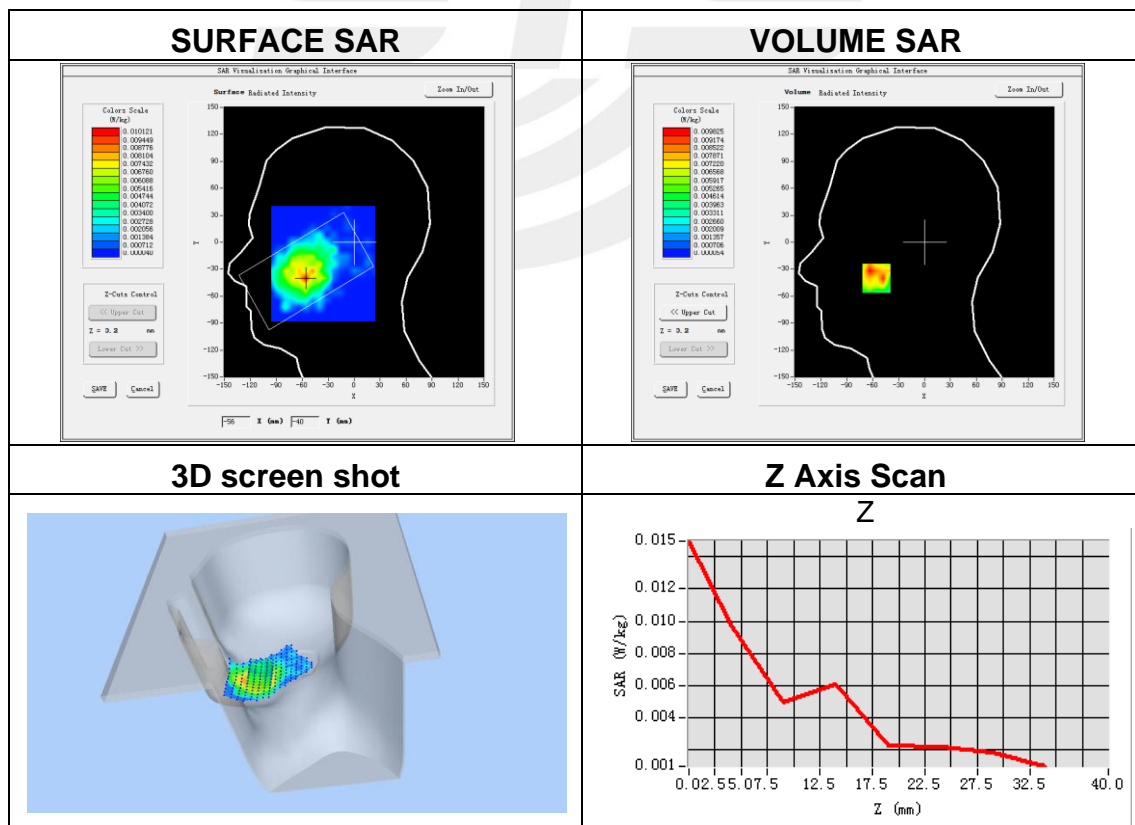
Plot 1: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-02-26
Probe	SN 41/18 EPGO334
ConvF	1.48
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	Right head
Device Position	Cheek
Band	GPRS 850
Channels	Low
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	824.2
Relative permittivity (real part)	41.81
Conductivity (S/m)	0.90

Maximum location: X=-56.00, Y=-40.00

SAR Peak: 0.02 W/kg

SAR 10g (W/Kg)	0.005872
SAR 1g (W/Kg)	0.009856

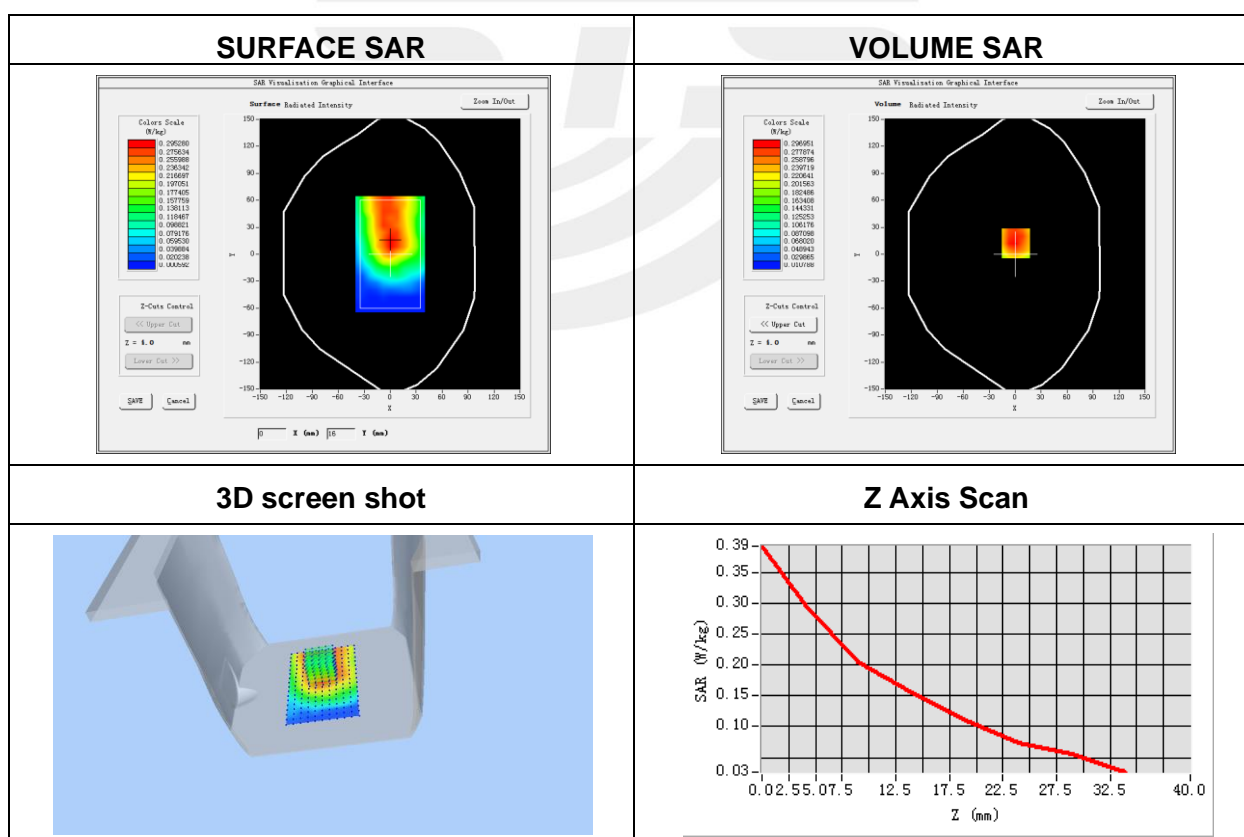


Plot 2: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-02-26
Probe	SN 41/18 EPGO334
ConvF	1.48
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	GPRS 850
Channels	Low
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	824.2
Relative permittivity (real part)	41.81
Conductivity (S/m)	0.90

Maximum location: X=1.00, Y=12.00
SAR Peak: 0.40 W/kg

SAR 10g (W/Kg)	0.196999
SAR 1g (W/Kg)	0.287983



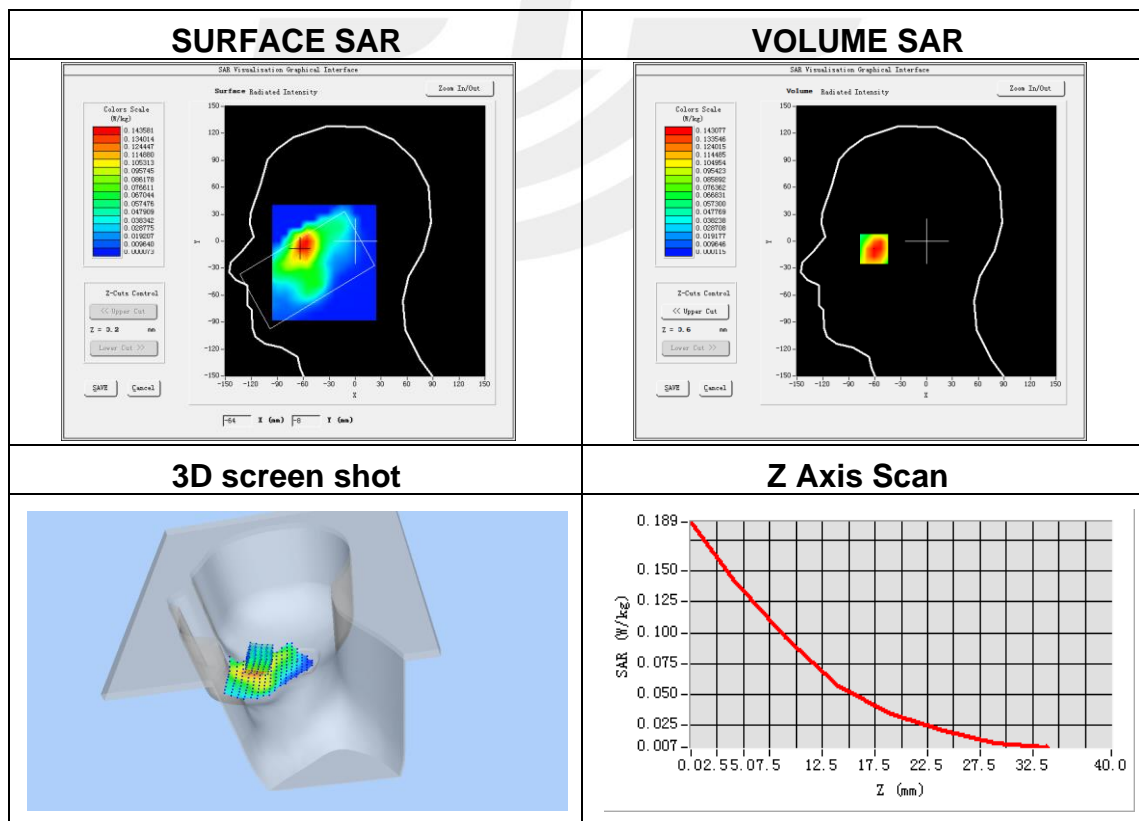
Plot 3: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-02
Probe	SN 41/18 EPGO334
ConvF	1.84
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	Right head
Device Position	Cheek
Band	GPRS 1900
Channels	Low
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	38.78
Conductivity (S/m)	1.42

Maximum location: X=-61.00, Y=-5.00

SAR Peak: 0.21 W/kg

SAR 10g (W/Kg)	0.079967
SAR 1g (W/Kg)	0.136876



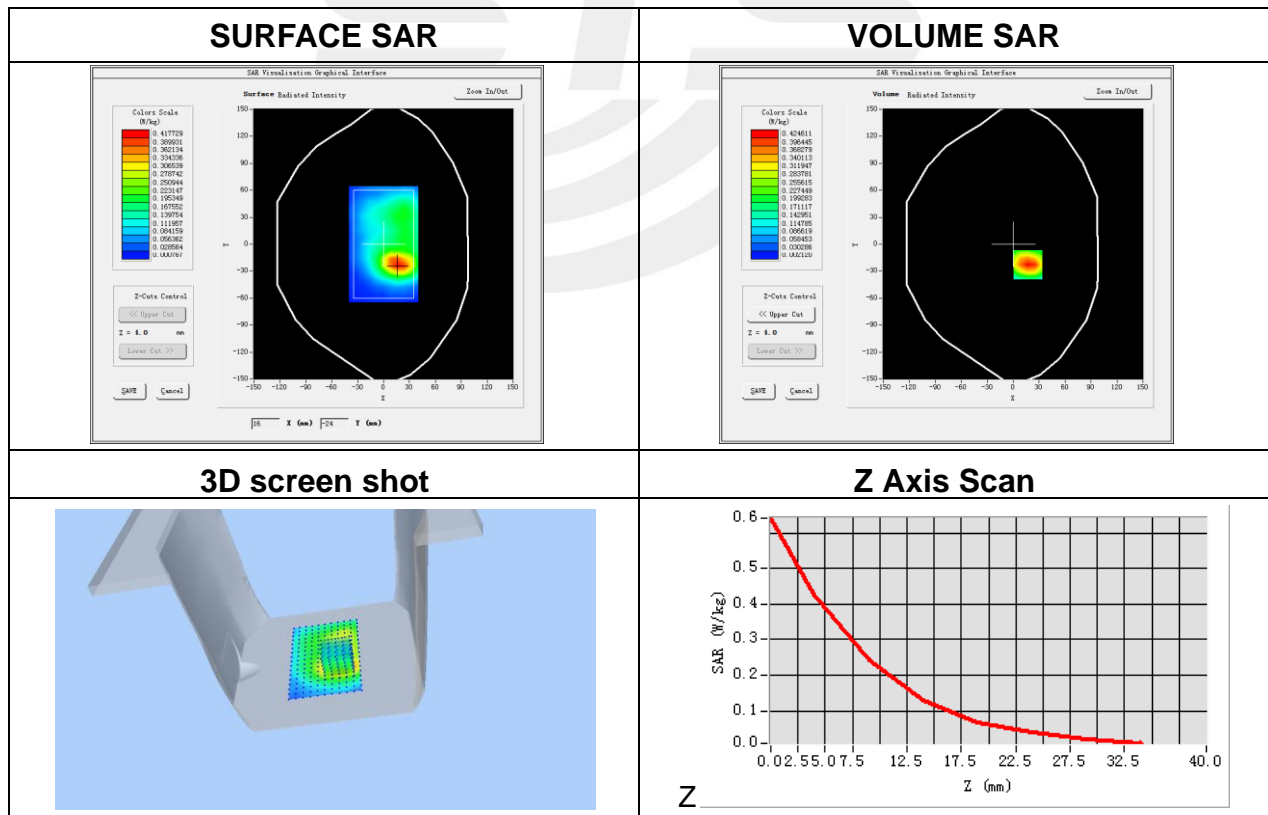
Plot 4: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-02
Probe	SN 41/18 EPGO334
ConvF	1.84
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	GPRS 1900
Channels	Low
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	38.78
Conductivity (S/m)	1.42

Maximum location: X=17.00, Y=-23.00

SAR Peak: 0.69 W/kg

SAR 10g (W/Kg)	0.209584
SAR 1g (W/Kg)	0.401463



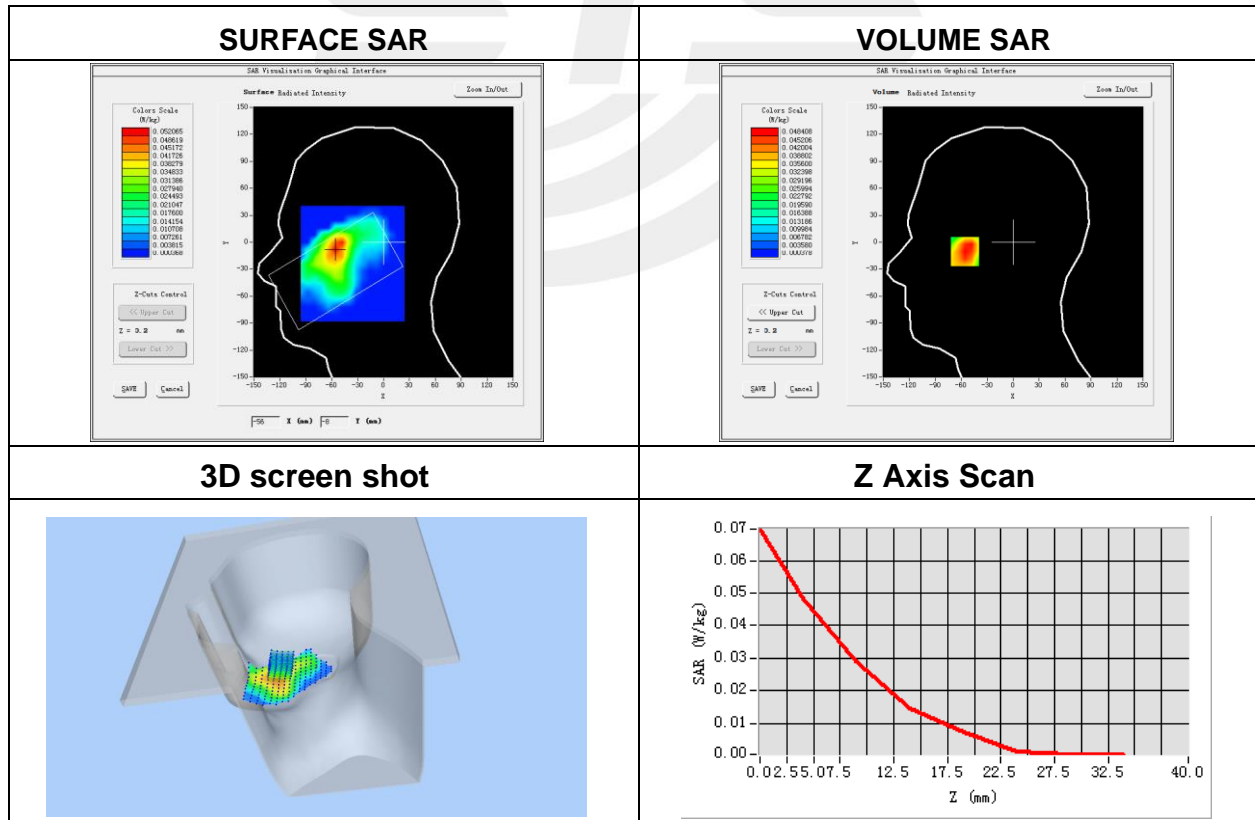
Plot 5: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-02
Probe	SN 41/18 EPGO334
ConvF	1.84
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	Right head
Device Position	Cheek
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1907.6
Relative permittivity (real part)	38.78
Conductivity (S/m)	1.42

Maximum location: X=-56.00, Y=-8.00

SAR Peak: 0.08 W/kg

SAR 10g (W/Kg)	0.024824
SAR 1g (W/Kg)	0.046705



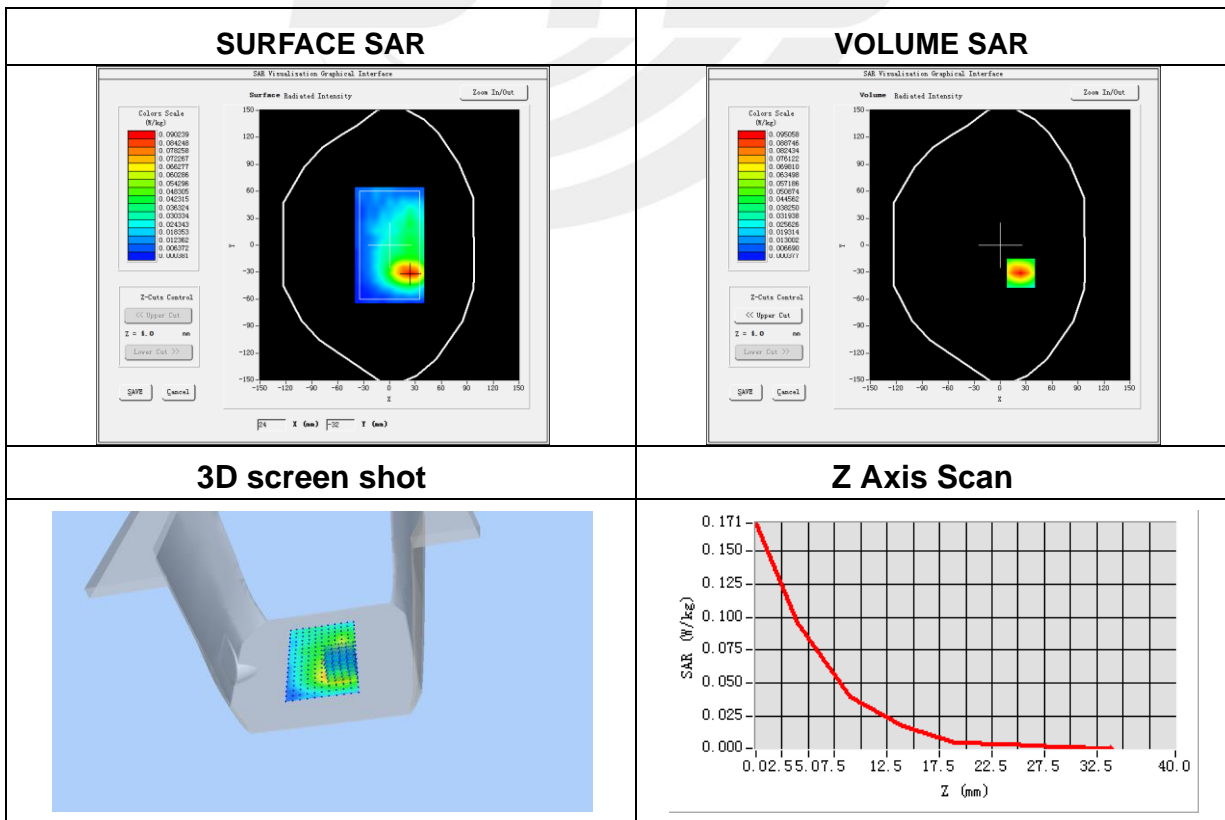
Plot 6: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2020-09-24
Probe	SN 41/18 EPGO334
ConvF	1.84
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	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1907.6
Relative permittivity (real part)	38.78
Conductivity (S/m)	1.42

Maximum location: X=24.00, Y=-31.00

SAR Peak: 0.17 W/kg

SAR 10g (W/Kg)	0.041207
SAR 1g (W/Kg)	0.090143



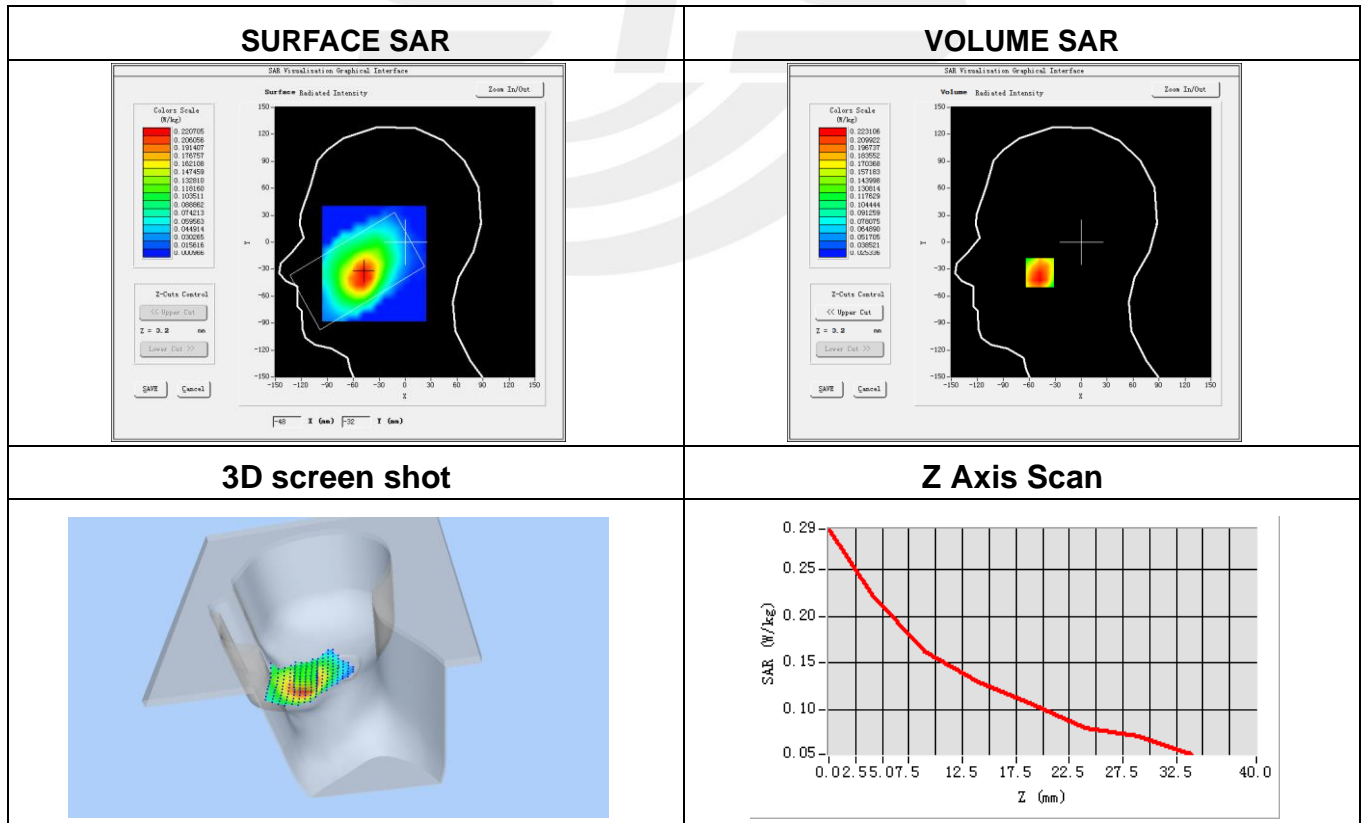
Plot 7: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-02-26
Probe	SN 41/18 EPGO334
ConvF	1.48
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	Right head
Device Position	Cheek
Band	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	846.6
Relative permittivity (real part)	41.81
Conductivity (S/m)	0.90

Maximum location: X=-48.00, Y=-34.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.154556
SAR 1g (W/Kg)	0.213505



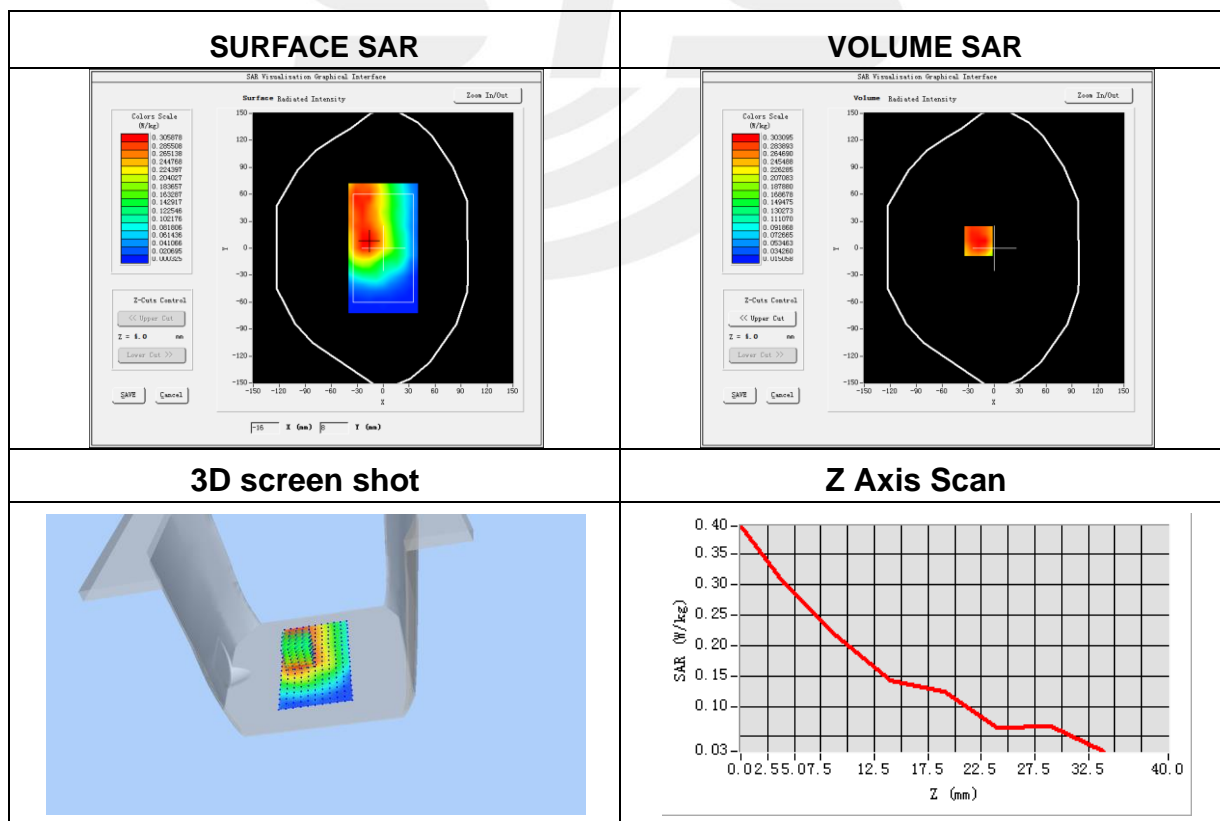
Plot 8: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-02-26
Probe	SN 41/18 EPGO334
ConvF	1.48
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	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	846.6
Relative permittivity (real part)	41.81
Conductivity (S/m)	0.90

Maximum location: X=-18.00, Y=8.00

SAR Peak: 0.42 W/kg

SAR 10g (W/Kg)	0.210986
SAR 1g (W/Kg)	0.297123



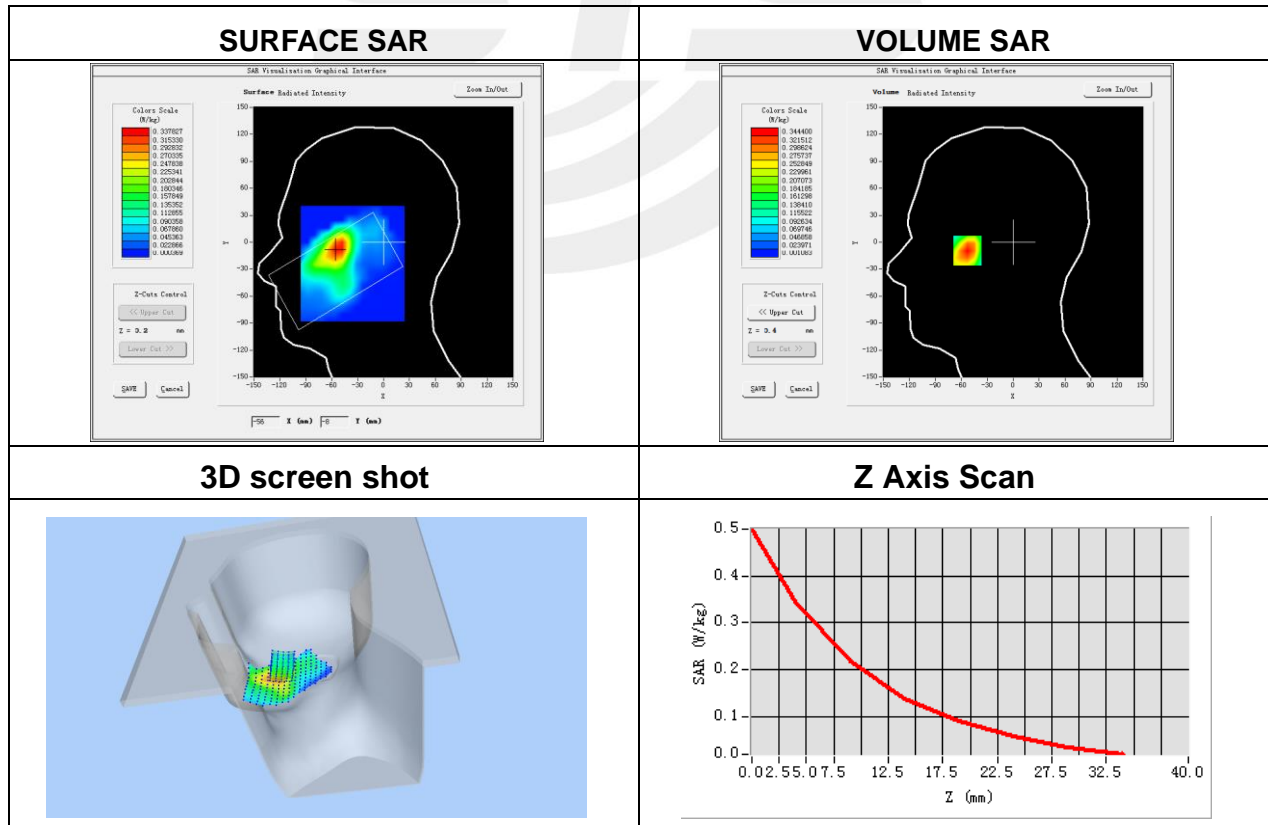
Plot 9: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-02
Probe	SN 41/18 EPGO334
ConvF	1.84
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	Right head
Device Position	Cheek
Band	LTE Band 2 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	38.78
Conductivity (S/m)	1.42

Maximum location: X=-53.00, Y=-7.00

SAR Peak: 0.51 W/kg

SAR 10g (W/Kg)	0.186353
SAR 1g (W/Kg)	0.327481



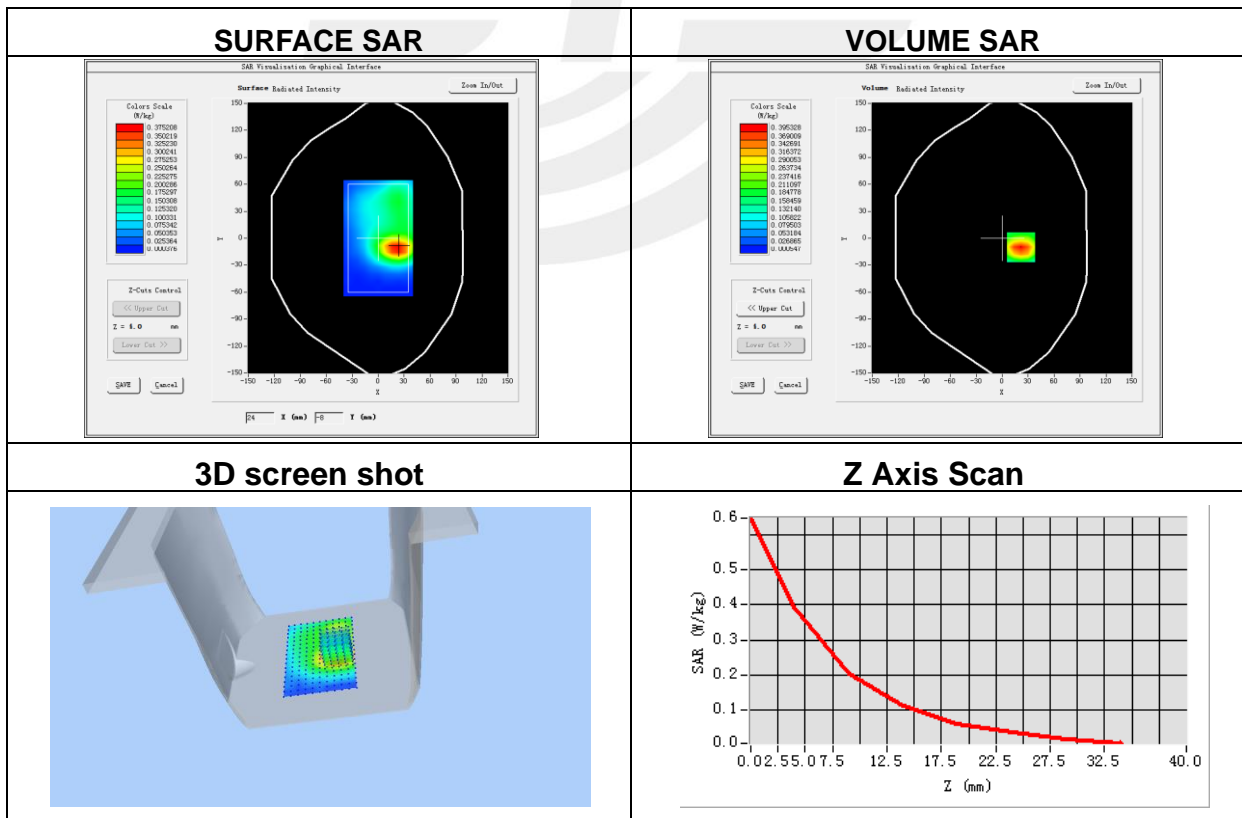
Plot 10: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-02
Probe	SN 41/18 EPGO334
ConvF	1.84
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	LTE Band 2(RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	38.78
Conductivity (S/m)	1.42

Maximum location: X=22.00, Y=-10.00

SAR Peak: 0.65 W/kg

SAR 10g (W/Kg)	0.189713
SAR 1g (W/Kg)	0.375712



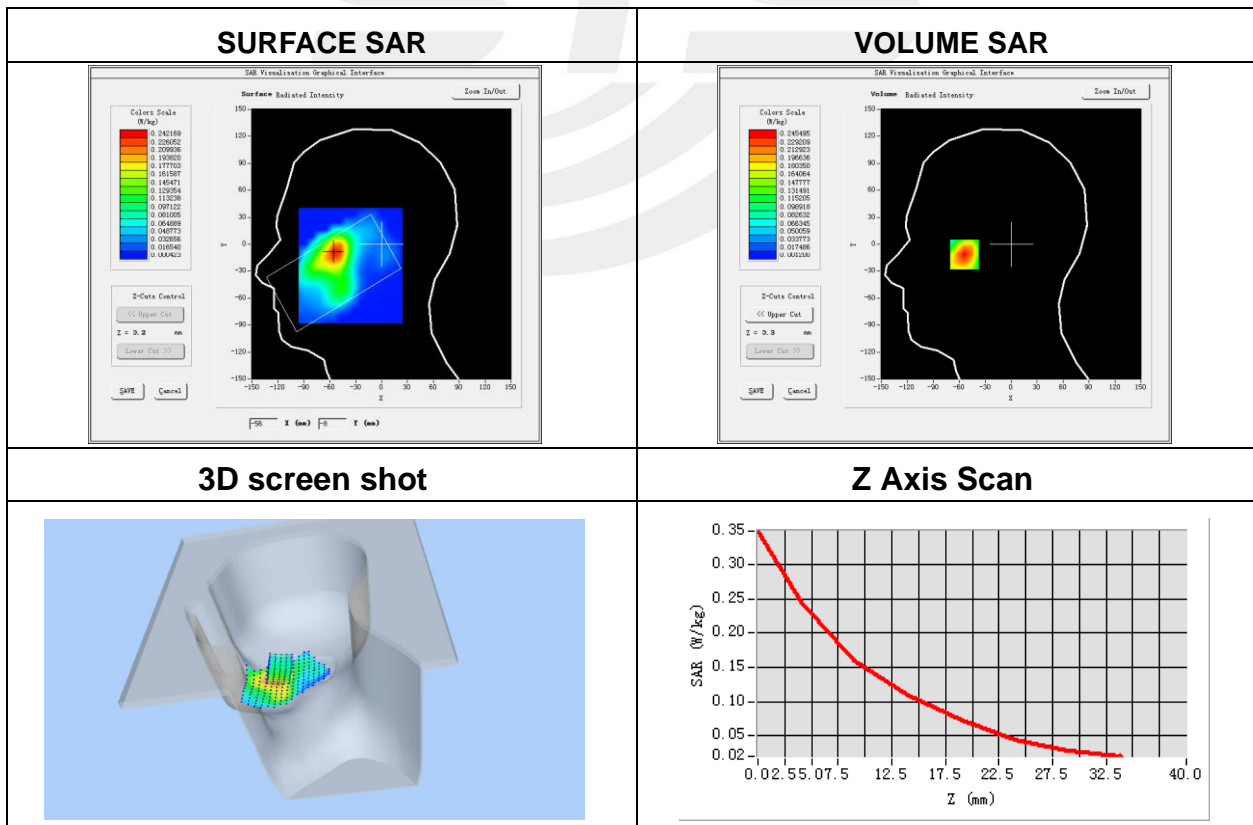
Plot 11: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-01
Probe	SN 41/18 EPGO334
ConvF	1.60
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	Right head
Device Position	Cheek
Band	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	39.15
Conductivity (S/m)	1.40

Maximum location: X=-54.00, Y=-9.00

SAR Peak: 0.35 W/kg

SAR 10g (W/Kg)	0.139609
SAR 1g (W/Kg)	0.233265



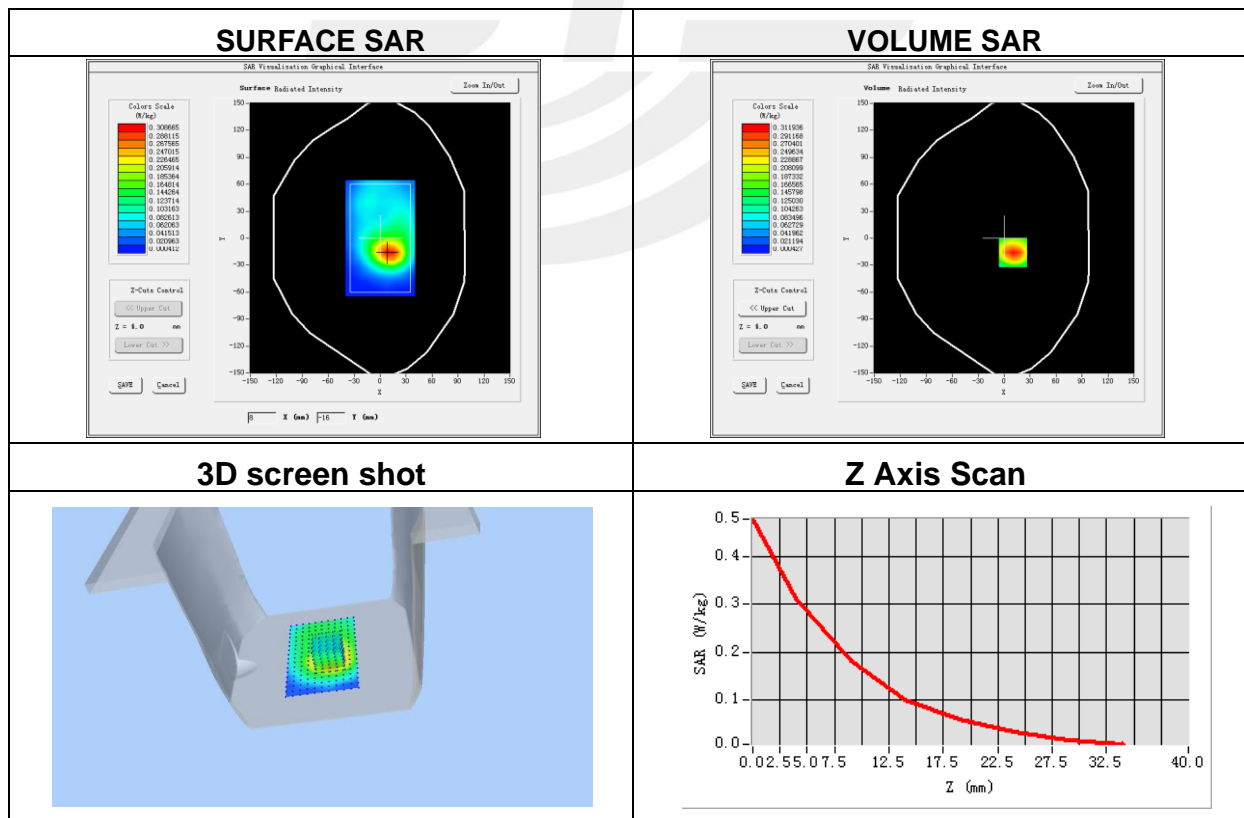
Plot 12: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-01
Probe	SN 41/18 EPGO334
ConvF	1.60
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	LTE Band 4 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1732.5
Relative permittivity (real part)	39.15
Conductivity (S/m)	1.40

Maximum location: X=10.00, Y=-16.00

SAR Peak: 0.48 W/kg

SAR 10g (W/Kg)	0.159583
SAR 1g (W/Kg)	0.293966



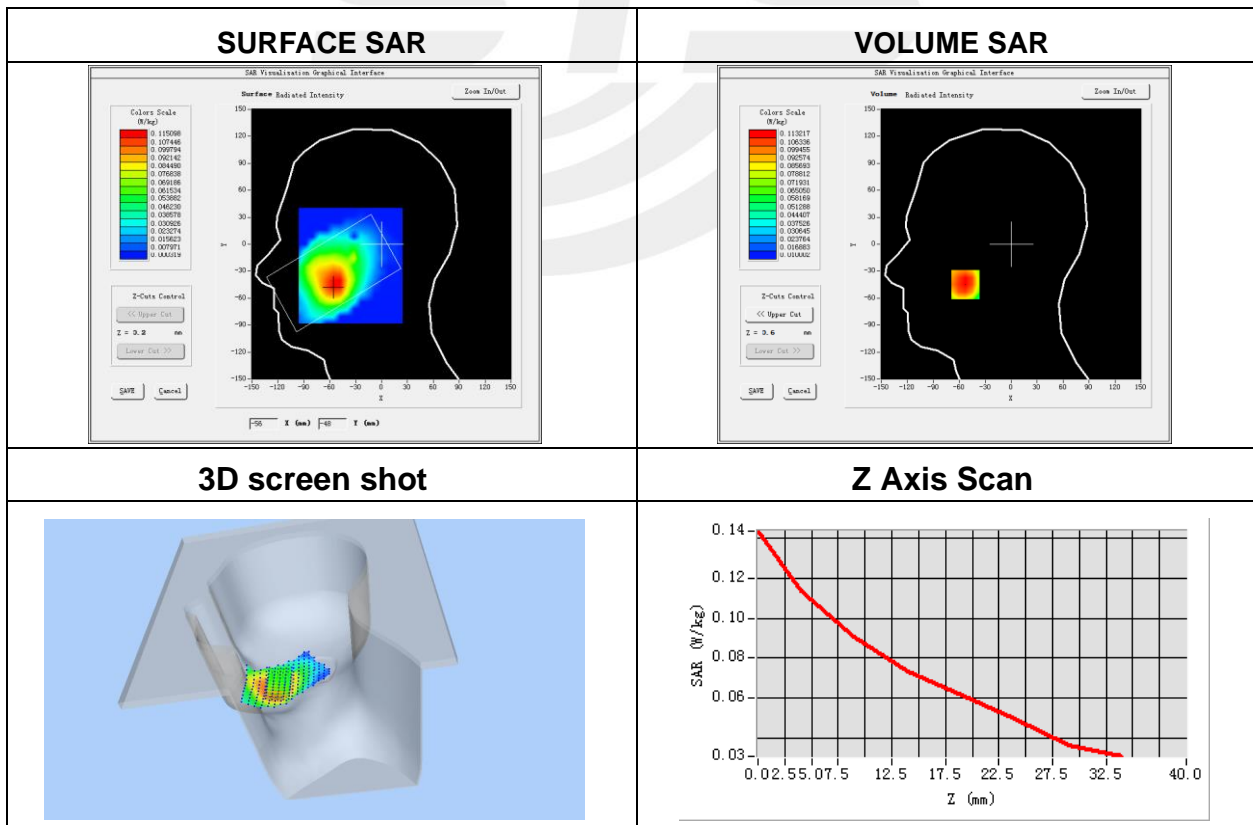
Plot 13: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-02-26
Probe	SN 41/18 EPGO334
ConvF	1.48
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	Right head
Device Position	Cheek
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	41.81
Conductivity (S/m)	0.90

Maximum location: X=-53.00, Y=-45.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.083355
SAR 1g (W/Kg)	0.112862



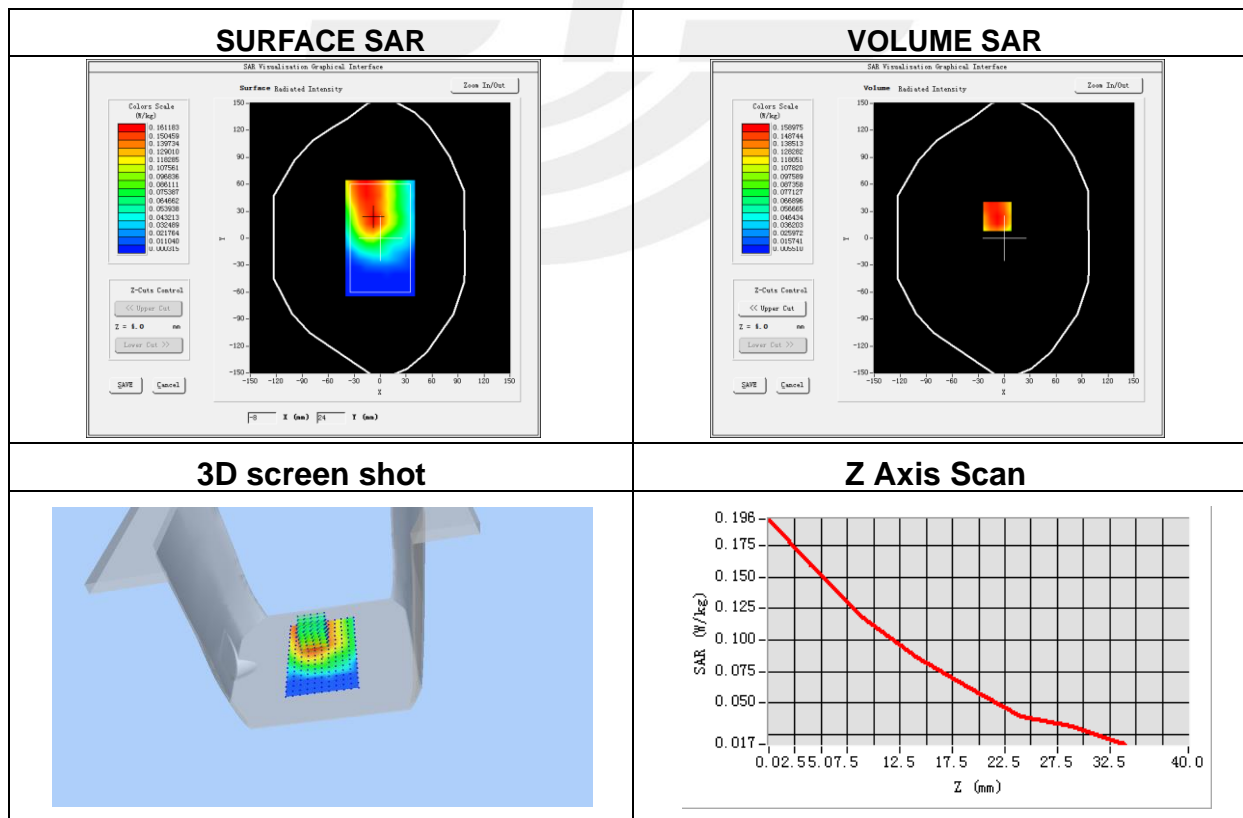
Plot 14: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-02-26
Probe	SN 41/18 EPGO334
ConvF	1.48
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	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	41.81
Conductivity (S/m)	0.90

Maximum location: X=-8.00, Y=24.00

SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.111004
SAR 1g (W/Kg)	0.156745



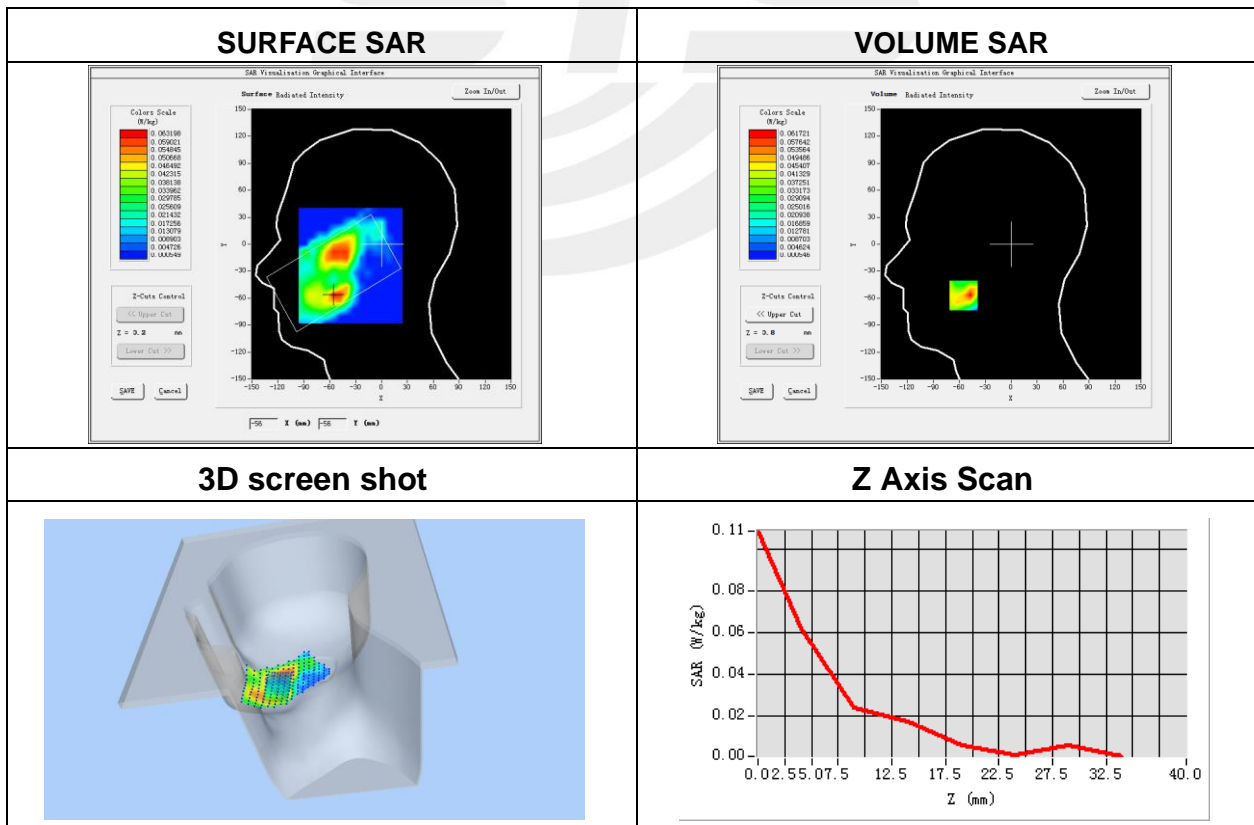
Plot 15: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-03
Probe	SN 41/18 EPGO334
ConvF	1.85
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	Right head
Device Position	Cheek
Band	LTE Band 7 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	38.08
Conductivity (S/m)	1.93

Maximum location: X=-55.00, Y=-57.00

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.025156
SAR 1g (W/Kg)	0.053703



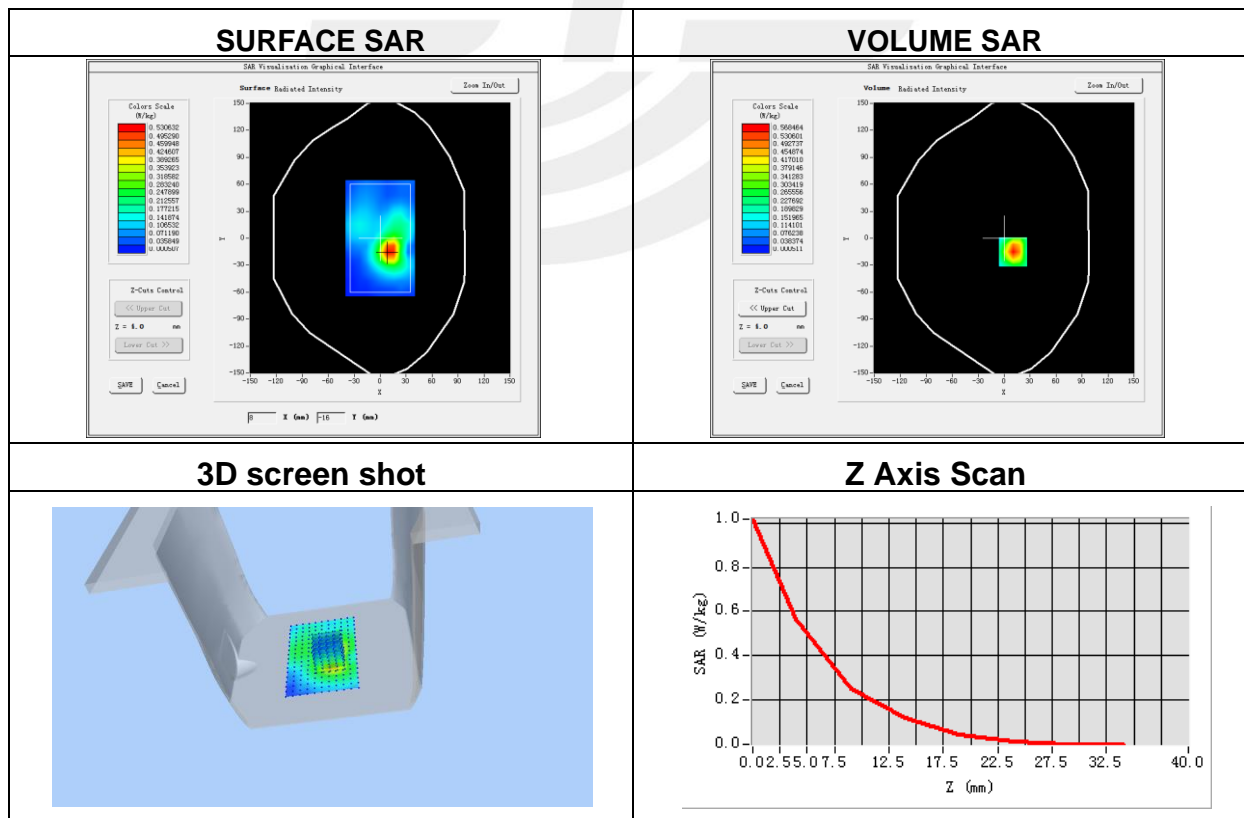
Plot 16: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-03
Probe	SN 41/18 EPGO334
ConvF	1.85
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	LTE Band 7 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2535
Relative permittivity (real part)	38.08
Conductivity (S/m)	1.93

Maximum location: X=10.00, Y=-15.00

SAR Peak: 1.03 W/kg

SAR 10g (W/Kg)	0.235409
SAR 1g (W/Kg)	0.543868



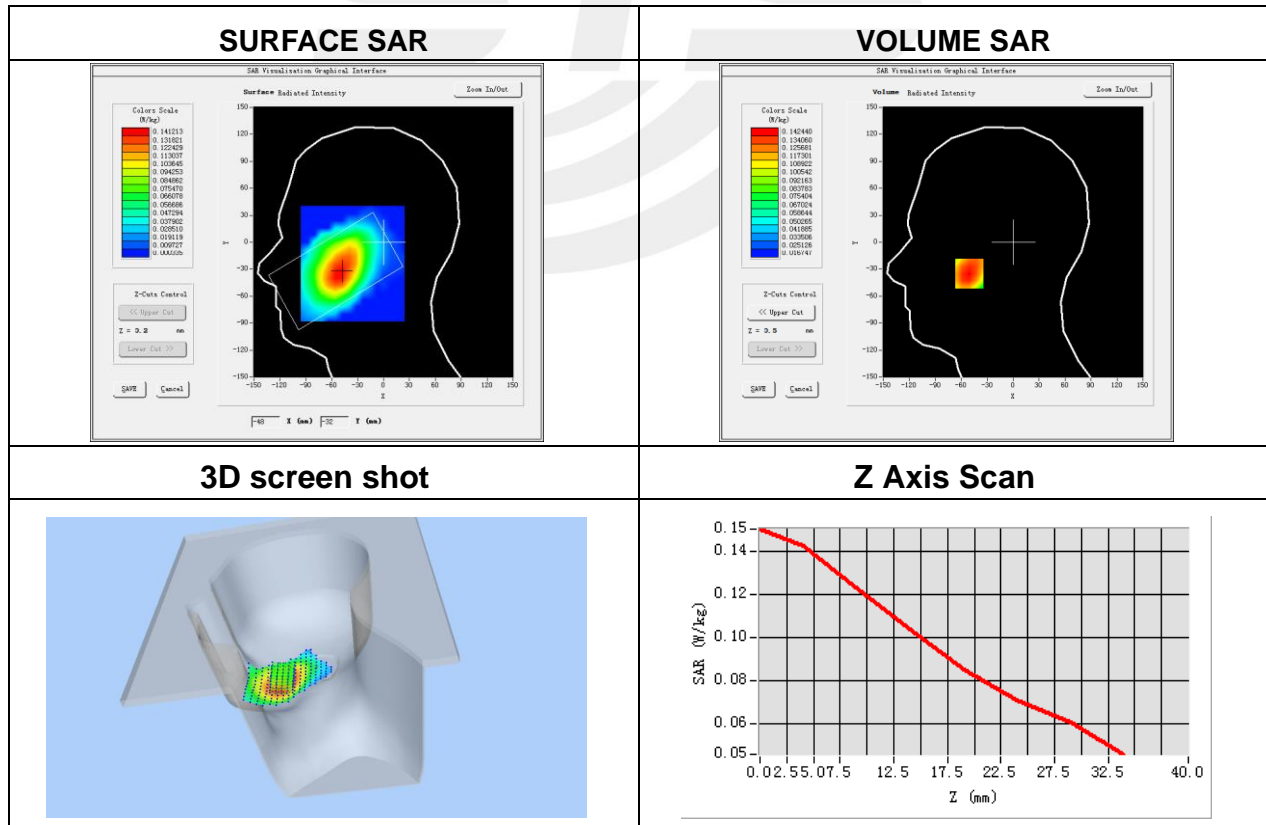
Plot 17: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2020-02-25
Probe	SN 41/18 EPGO334
ConvF	1.43
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	Right head
Device Position	Cheek
Band	LTE Band 12 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	707.5
Relative permittivity (real part)	42.58
Conductivity (S/m)	0.88

Maximum location: X=-51.00, Y=-35.00

SAR Peak: 0.16 W/kg

SAR 10g (W/Kg)	0.111090
SAR 1g (W/Kg)	0.138945



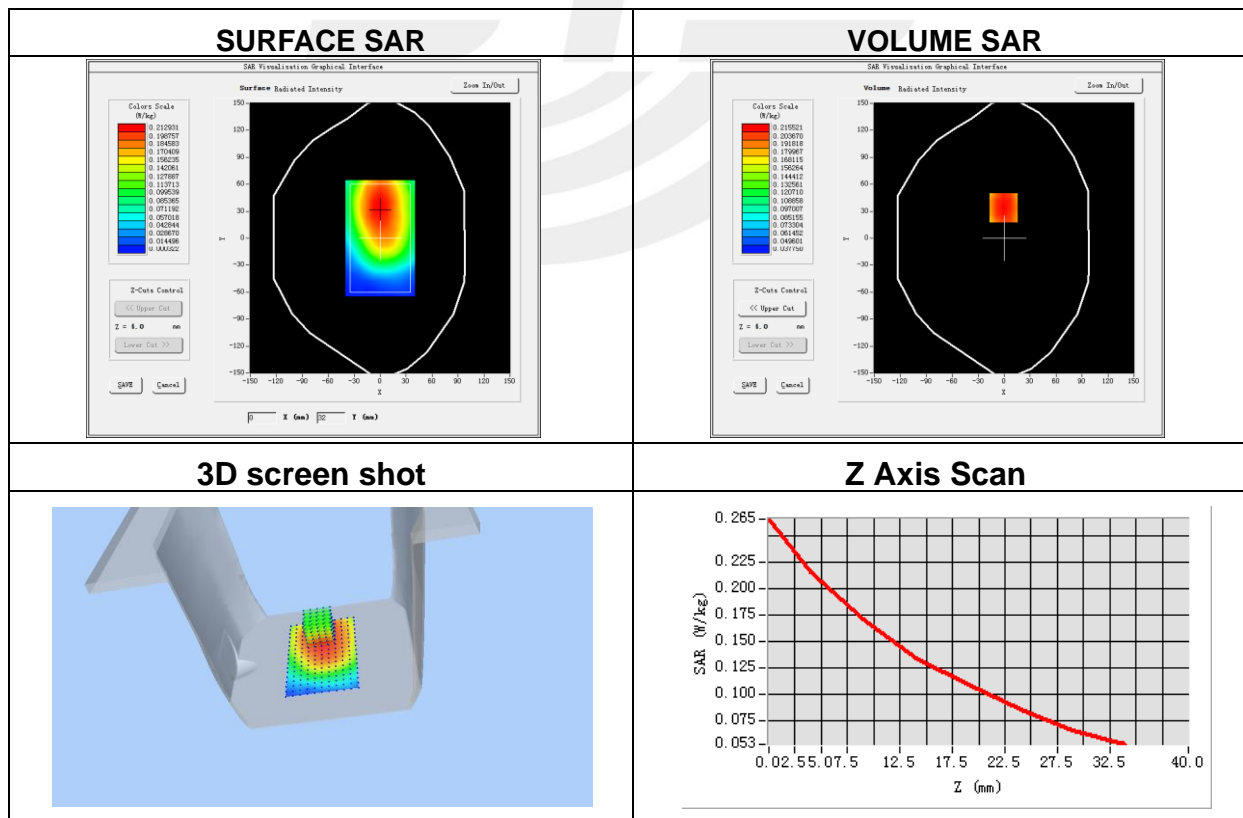
Plot 18: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2020-02-25
Probe	SN 41/18 EPGO334
ConvF	1.43
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	LTE Band 12 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	707.5
Relative permittivity (real part)	42.58
Conductivity (S/m)	0.88

Maximum location: X=-1.00, Y=34.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.162303
SAR 1g (W/Kg)	0.214423



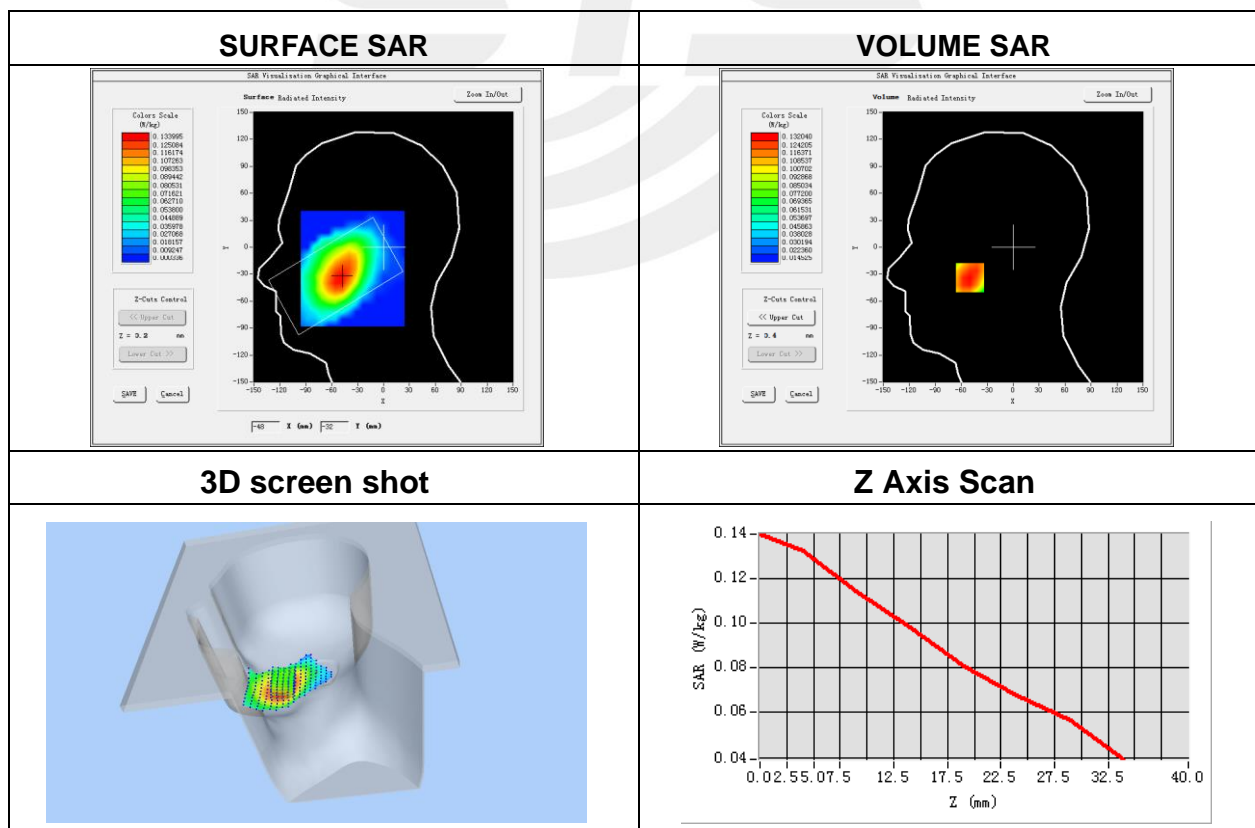
Plot 19: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-02-25
Probe	SN 41/18 EPGO334
ConvF	1.43
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	Right head
Device Position	Cheek
Band	LTE Band 17 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	710
Relative permittivity (real part)	42.58
Conductivity (S/m)	0.88

Maximum location: X=-50.00, Y=-34.00

SAR Peak: 0.15 W/kg

SAR 10g (W/Kg)	0.104389
SAR 1g (W/Kg)	0.130074



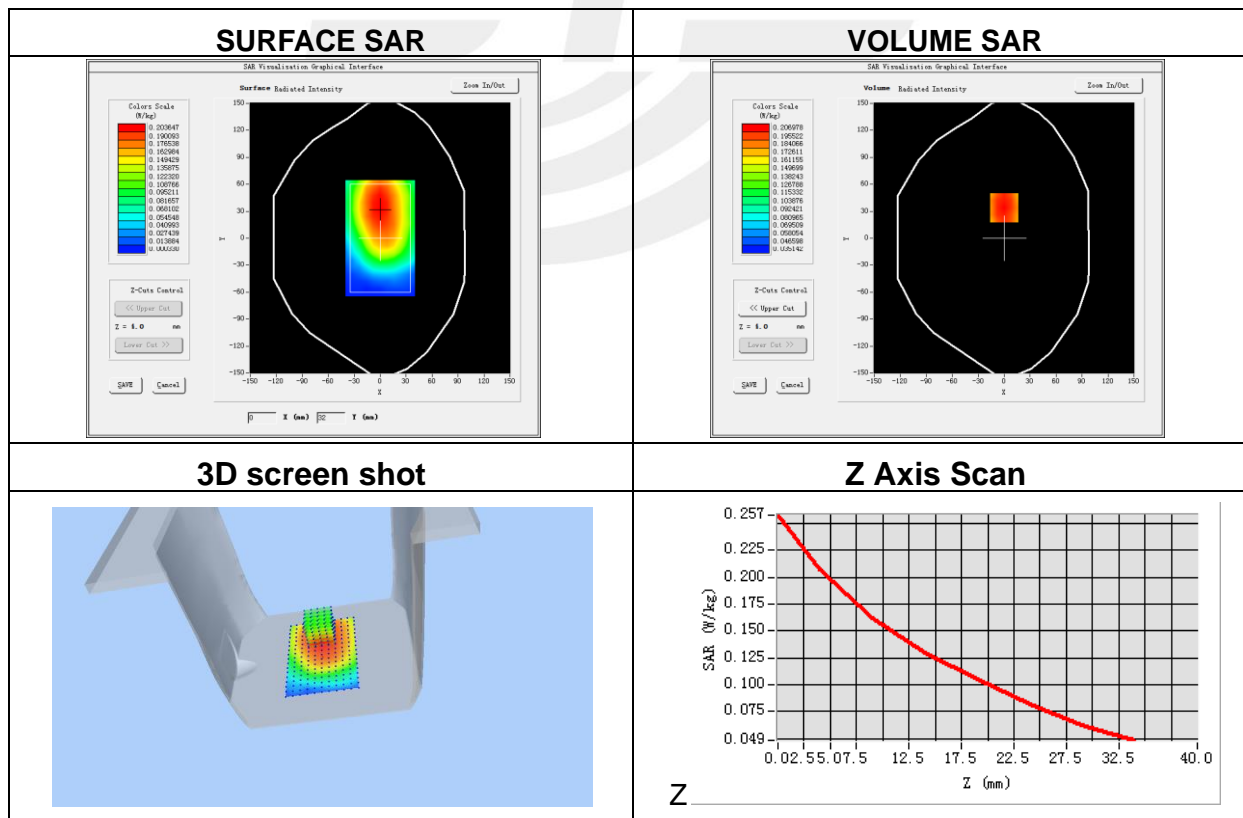
Plot 20: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-02-25
Probe	SN 41/18 EPGO334
ConvF	1.43
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	LTE Band 17 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	710
Relative permittivity (real part)	42.58
Conductivity (S/m)	0.88

Maximum location: X=0.00, Y=34.00

SAR Peak: 0.26 W/kg

SAR 10g (W/Kg)	0.156097
SAR 1g (W/Kg)	0.206479



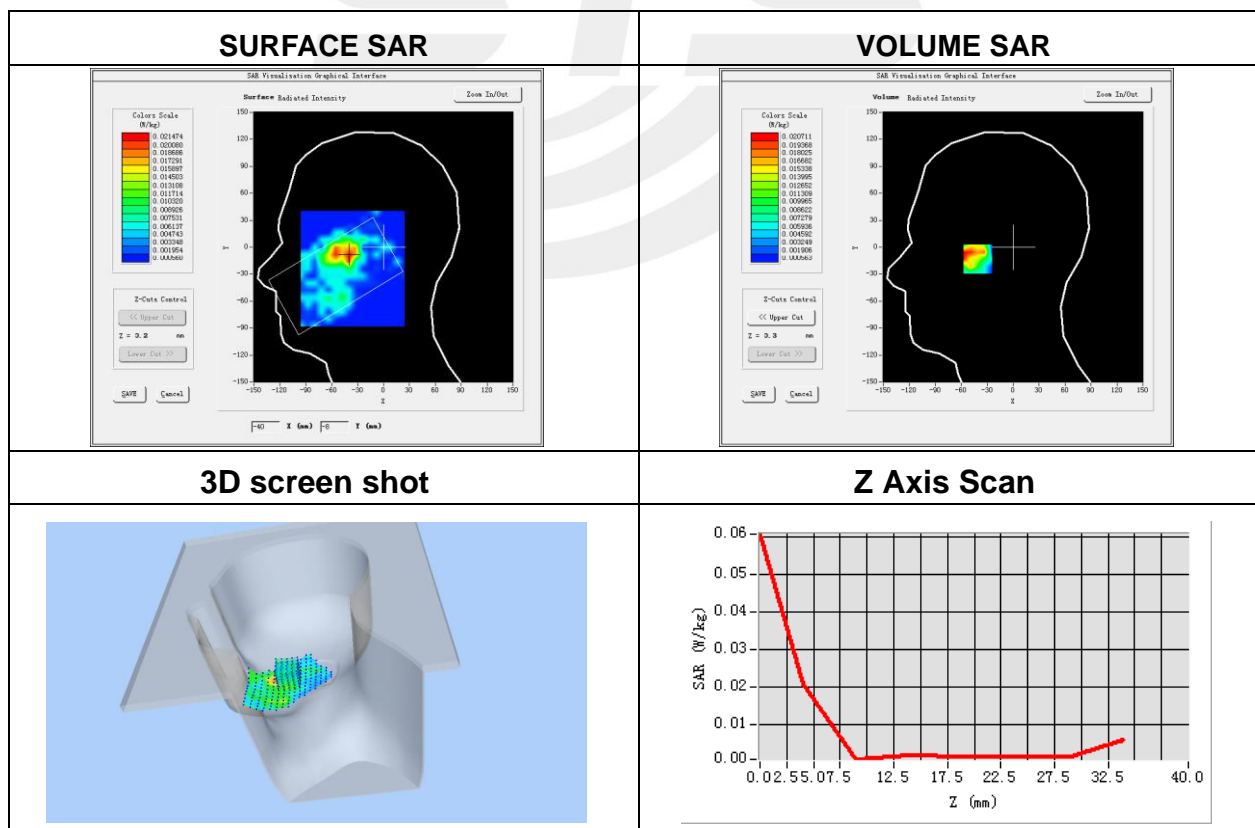
Plot 21: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-03
Probe	SN 41/18 EPGO334
ConvF	1.85
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	Right head
Device Position	Cheek
Band	LTE Band 41 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2593
Relative permittivity (real part)	38.08
Conductivity (S/m)	1.93

Maximum location: X=-41.00, Y=-12.00

SAR Peak: 0.05 W/kg

SAR 10g (W/Kg)	0.008878
SAR 1g (W/Kg)	0.019801



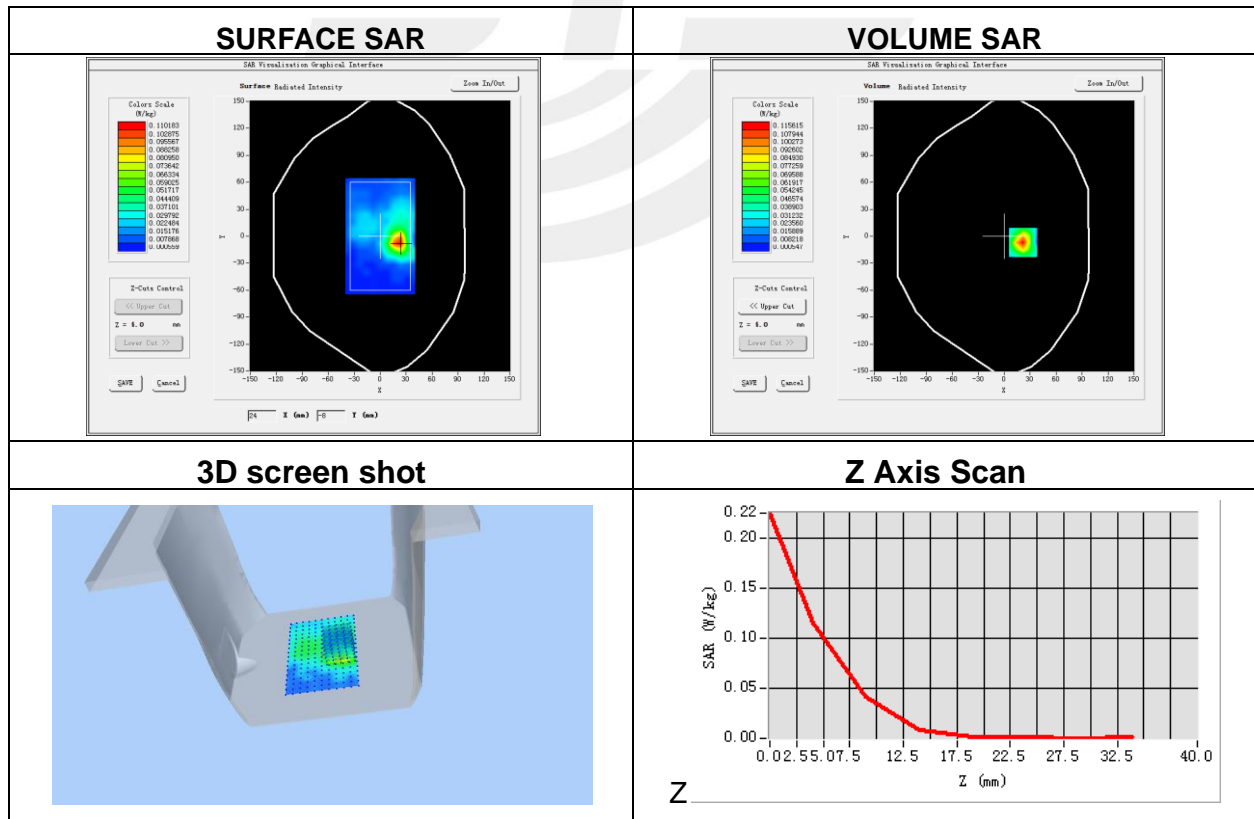
Plot 22: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-03
Probe	SN 41/18 EPGO334
ConvF	1.85
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	LTE Band 41 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2593
Relative permittivity (real part)	38.08
Conductivity (S/m)	1.93

Maximum location: X=22.00, Y=-7.00

SAR Peak: 0.22 W/kg

SAR 10g (W/Kg)	0.041450
SAR 1g (W/Kg)	0.108257

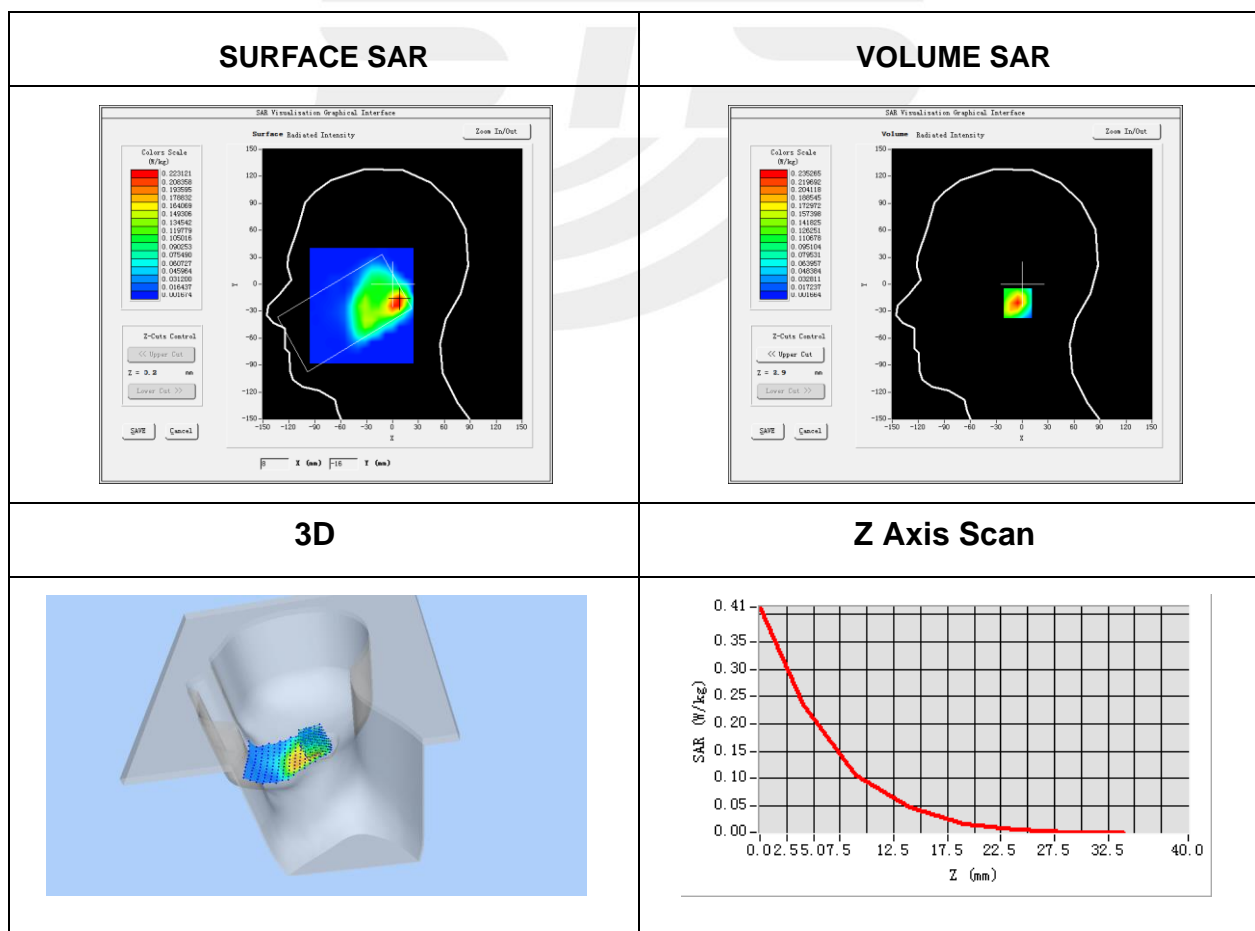


Plot 23: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-03
Probe	SN 41/18 EPGO334
ConvF	1.97
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	Right head
Device Position	Cheek
Band	IEEE 802.11b ISM
Channels	Low
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.43
Conductivity (S/m)	1.81

Maximum location: X=6.00, Y=-21.00
SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.097868
SAR 1g (W/Kg)	0.217847



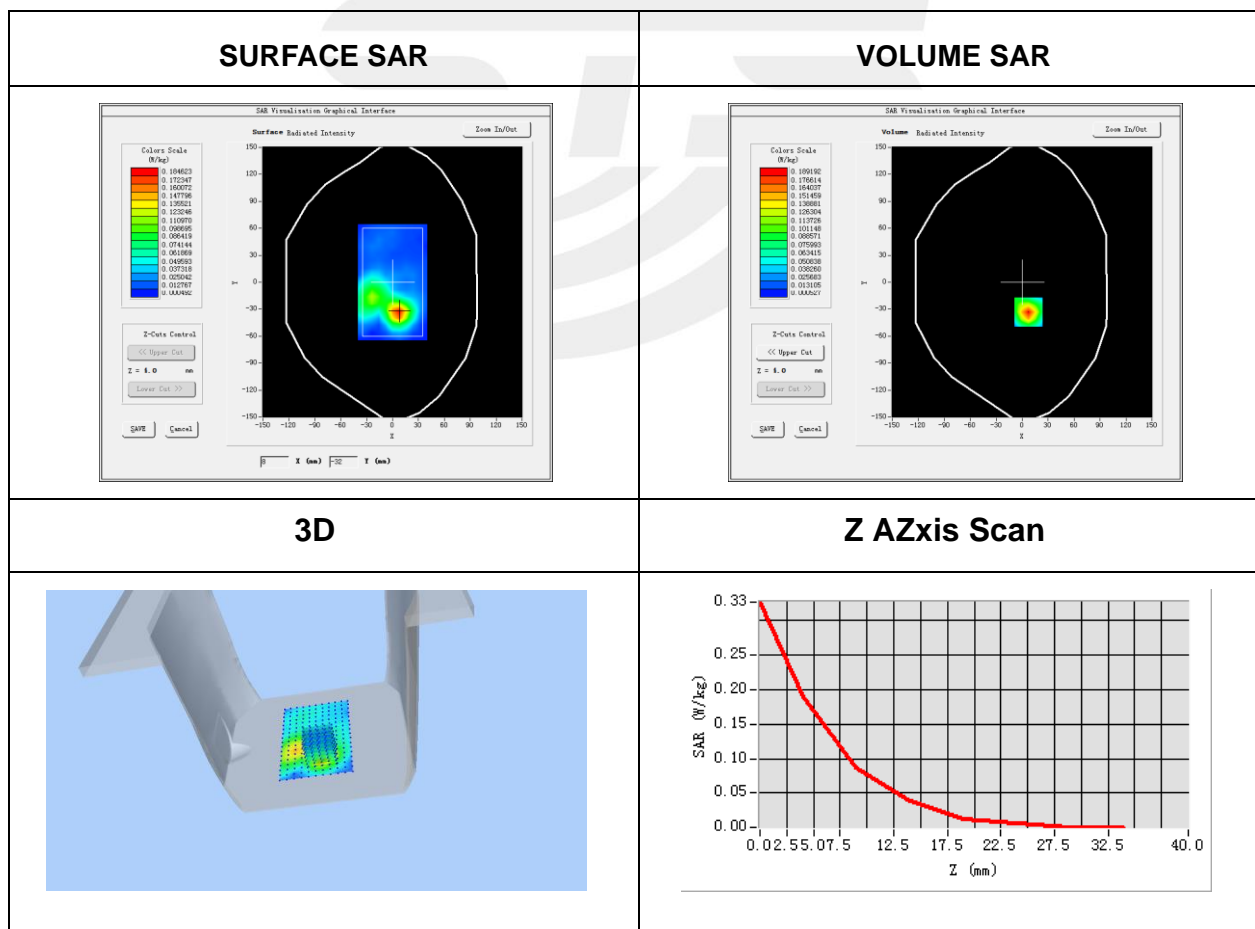
Plot 24: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-03
Probe	SN 41/18 EPGO334
ConvF	1.97
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	IEEE 802.11b ISM
Channels	Low
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2412
Relative permittivity (real part)	39.43
Conductivity (S/m)	1.81

Maximum location: X=7.00, Y=-33.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.075441
SAR 1g (W/Kg)	0.173745

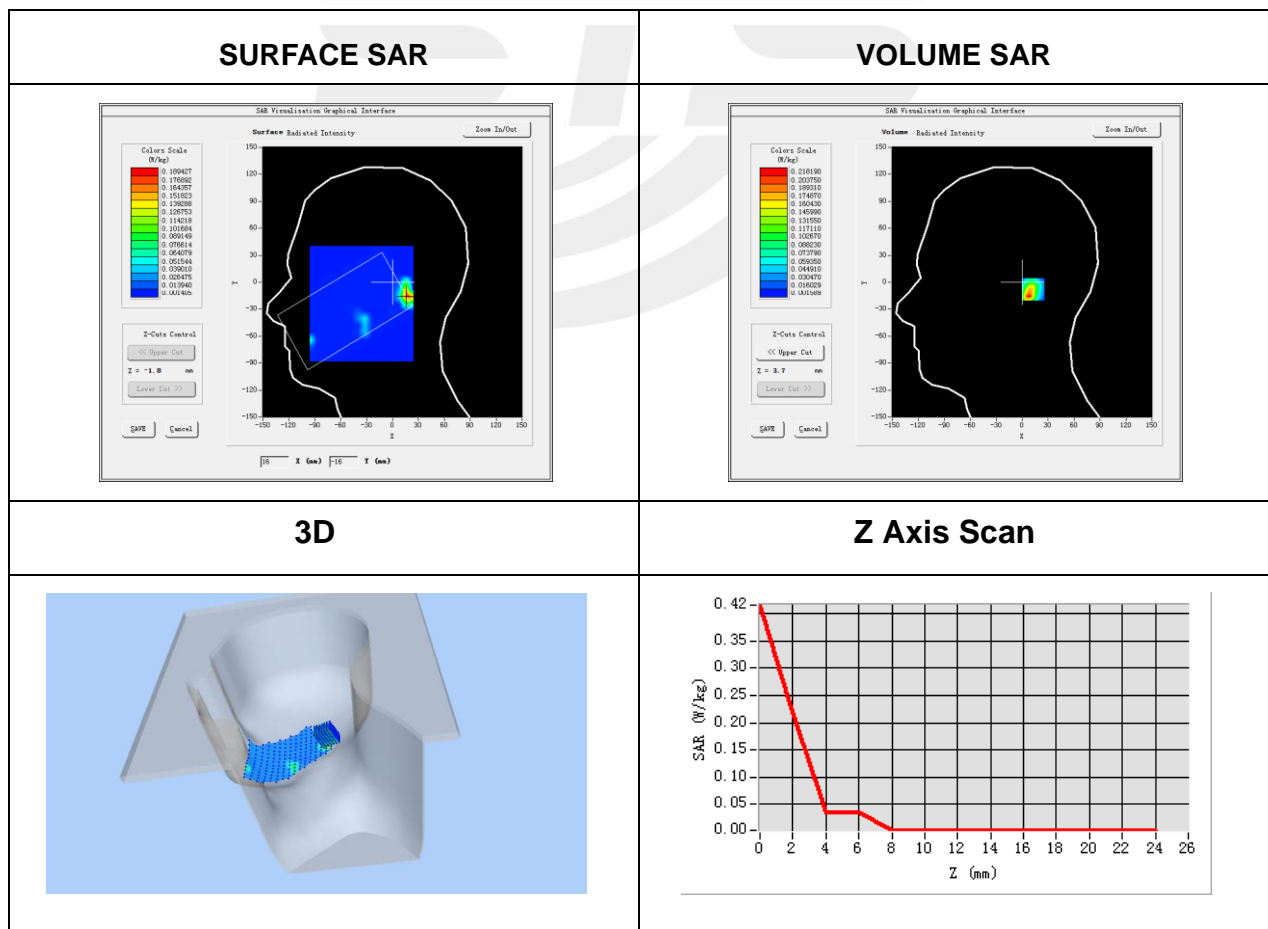


Plot 25: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-04
Probe	SN 41/18 EPGO334
ConvF	1.86
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	Right head
Device Position	Cheek
Band	IEEE 802.11a ISM
Channels	High
Signal	IEEE802.a (Crest factor: 1.0)
Frequency (MHz)	5240
Relative permittivity (real part)	37.28
Conductivity (S/m)	4.60

Maximum location: X=24.00, Y=-8.00
SAR Peak: 0.71 W/kg

SAR 10g (W/Kg)	0.066717
SAR 1g (W/Kg)	0.206126

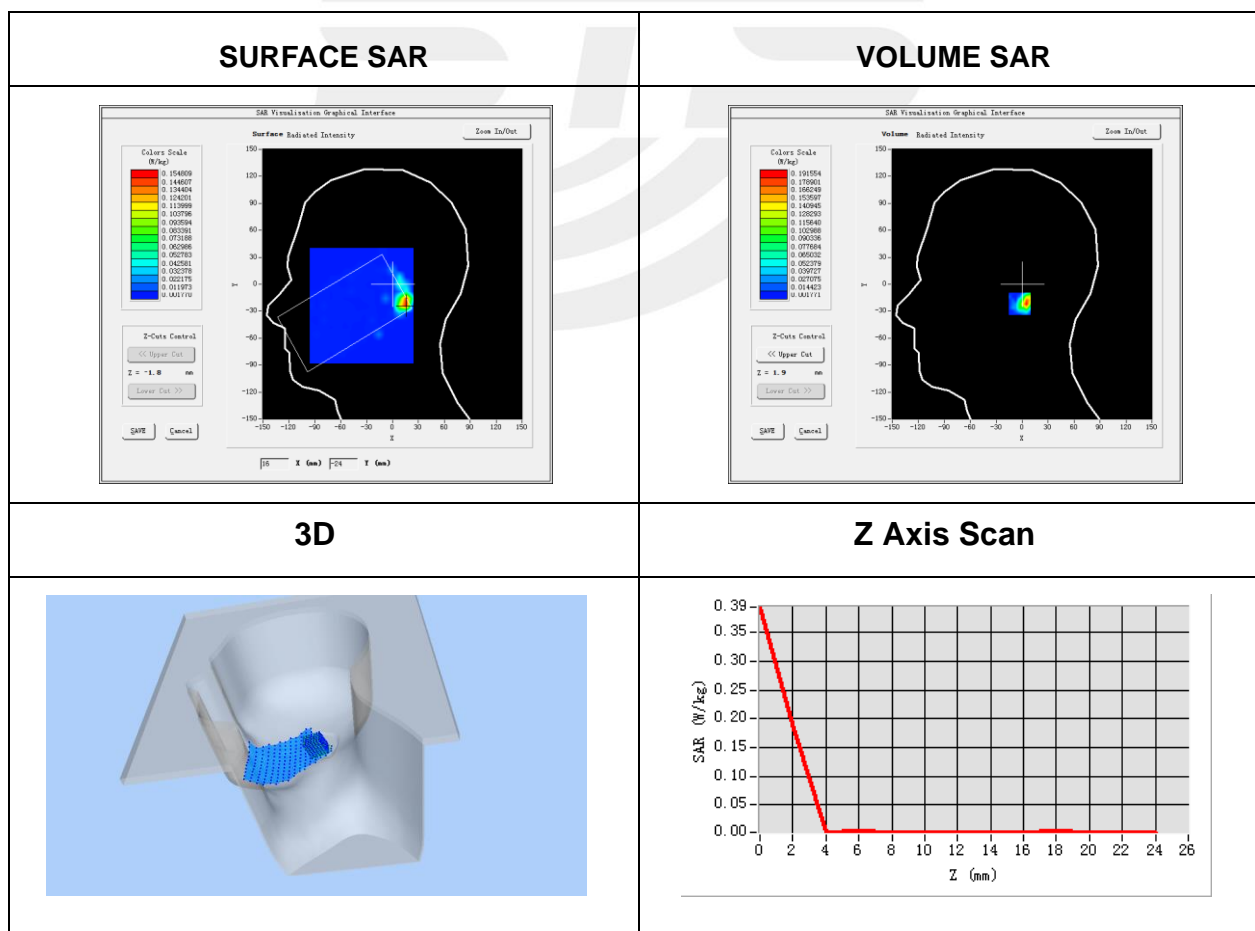


Plot 26: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-04
Probe	SN 41/18 EPGO334
ConvF	1.86
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	Right head
Device Position	Cheek
Band	IEEE 802.11a ISM
Channels	Middle
Signal	IEEE802.a (Crest factor: 1.0)
Frequency (MHz)	5210
Relative permittivity (real part)	37.28
Conductivity (S/m)	4.60

Maximum location: X=7.00, Y=-22.00
SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.059124
SAR 1g (W/Kg)	0.177205

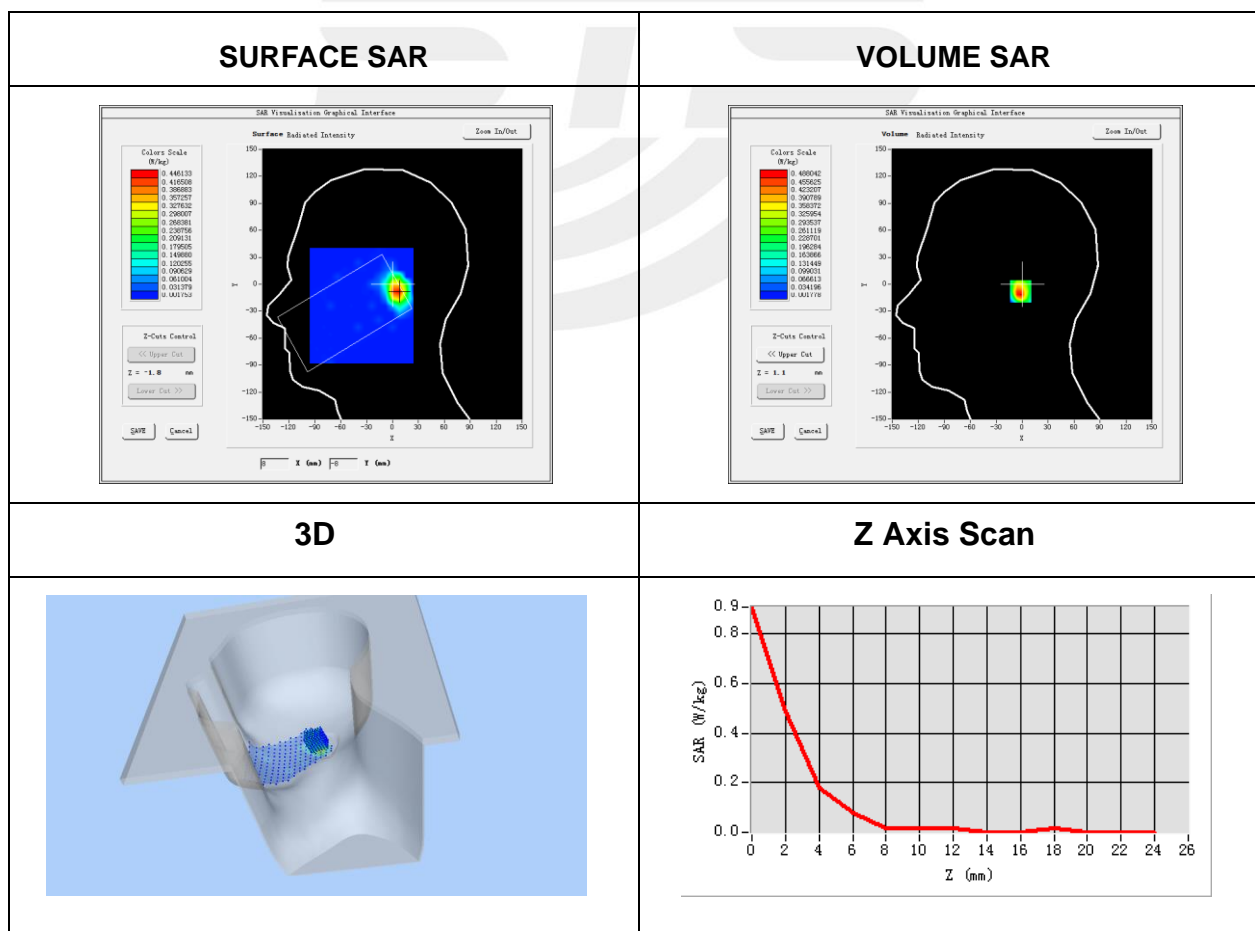


Plot 27: DUT: Mobile Computing Device; EUT Model: G47

Test Date	2021-03-04
Probe	SN 41/18 EPGO334
ConvF	2.09
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	Right head
Device Position	Cheek
Band	IEEE 802.11a ISM
Channels	Middle
Signal	IEEE802.a (Crest factor: 1.0)
Frequency (MHz)	5825
Relative permittivity (real part)	35.25
Conductivity (S/m)	5.24

Maximum location: X=6.00, Y=-8.00
SAR Peak: 1.53 W/kg

SAR 10g (W/Kg)	0.162181
SAR 1g (W/Kg)	0.506081





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※

