Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Ch.	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Right Cheek	19100	0.251	-3.86	24	23.1	0.309	/
			1	0	Right Cheek	19100	0.210	-3.37	23	22.8	0.220	/
			1	0	Right Tilt	19100	0.055	2.94	24	23.1	0.068	/
			1	0	Right Tilt	19100	0.042	1.80	23	22.8	0.044	/
			1	0	Left Cheek	19100	0.406	-3.85	24	23.1	**0.499**	9
			1	0	Left Cheek	19100	0.358	-2.57	23	22.8	0.375	/
			1	0	Left Tilt	19100	0.076	-1.24	24	23.1	0.094	/
			1	0	Left Tilt	19100	0.062	-2.19	23	22.8	0.065	/
LTE Band 4	20M	QPSK	1	0	Right Cheek	20175	0.391	2.53	24	23.07	**0.484**	11
			1	0	Right Cheek	20175	0.371	0.05	23	22.8	0.388	/
			1	0	Right Tilt	20175	0.099	-0.14	24	23.07	0.123	/
			1	0	Right Tilt	20175	0.082	2.58	23	22.8	0.086	/
			1	0	Left Cheek	20175	0.233	1.73	24	23.07	0.289	/
			1	0	Left Cheek	20175	0.204	-0.80	23	22.8	0.214	/
			1	0	Left Tilt	20175	0.144	-2.83	24	23.07	0.178	/
			1	0	Left Tilt	20175	0.120	-2.23	23	22.8	0.126	/
LTE Band 5	10M	QPSK	1	0	Right Cheek	20525	0.355	-3.33	24	23.8	**0.372**	13
			1	0	Right Cheek	20600	0.319	-1.68	24	23.58	0.351	/
			1	0	Right Tilt	20525	0.291	-2.74	24	23.8	0.305	/
			1	0	Right Tilt	20600	0.239	3.92	24	23.58	0.263	/
			1	0	Left Cheek	20525	0.346	4.00	24	23.8	0.362	/
			1	0	Left Cheek	20600	0.327	-1.55	24	23.58	0.360	/
			1	0	Left Tilt	20525	0.303	3.70	24	23.8	0.317	/
			1	0	Left Tilt	20600	0.238	2.58	24	23.58	0.262	/
LTE Band 7	20M	QPSK	1	0	Right Cheek	21100	0.184	-0.79	23	22.16	0.223	/
			1	0	Right Cheek	20850	0.139	-1.92	22	21.94	0.141	/
			1	0	Right Tilt	21100	0.070	-0.68	23	22.16	0.085	/
			1	0	Right Tilt	20850	0.054	-0.32	22	21.94	0.055	/
			1	0	Left Cheek	21100	0.346	0.17	23	22.16	**0.420**	15
			1	0	Left Cheek	20850	0.311	3.71	22	21.94	0.315	/
			1	0	Left Tilt	21100	0.097	-0.67	23	22.16	0.118	/
			1	0	Left Tilt	20850	0.071	1.05	22	21.94	0.072	/
LTE Band 12	10M	QPSK	1	0	Right Cheek	23060	0.108	2.64	24	23.4	0.124	/
			1	0	Right Cheek	23060	0.078	3.39	24	23.11	0.096	/
			1	0	Right Tilt	23060	0.081	-1.74	24	23.4	0.093	/
			1	0	Right Tilt	23060	0.059	-1.42	24	23.11	0.072	/
			1	0	Left Cheek	23060	0.122	-2.08	24	23.4	**0.140**	17
			1	0	Left Cheek	23060	0.104	-3.16	24	23.11	0.128	/
			1	0	Left Tilt	23060	0.109	-0.38	24	23.4	0.125	/
			1	0	Left Tilt	23060	0.085	1.34	24	23.11	0.104	/

LTE Band 17	10M	QPSK	1	0	Right Cheek	23780	0.170	0.51	24	23.16	0.206	19
			1	0	Right Cheek	23780	0.152	1.86	23	22.92	0.155	/
			1	0	Right Tilt	23780	0.135	-0.20	24	23.16	0.164	/
			1	0	Right Tilt	23780	0.107	2.16	23	22.92	0.109	/
			1	0	Left Cheek	23780	0.126	1.24	24	23.16	0.153	/
			1	0	Left Cheek	23780	0.106	1.69	23	22.92	0.108	/
			1	0	Left Tilt	23780	0.123	-3.86	24	23.16	0.149	/
			1	0	Left Tilt	23780	0.100	3.39	23	22.92	0.102	/

12.2 Body-worn and Hotspot SAR

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.
GSM 850	GPRS Data-4 Slot	Front side	190	0.396	2.83	28	27.84	**0.411**	2
		Back side	190	0.346	2.19	28	27.84	0.359	/
		Left side	190	0.241	-2.60	28	27.84	0.250	/
		Right side	190	0.268	0.03	28	27.84	0.278	/
		Bottom side	190	0.151	-2.51	28	27.84	0.157	/
GSM1900	GPRS Data-4 Slot	Front side	810	0.241	-1.21	25	24.50	0.270	/
		Back side	810	0.349	0.34	25	24.50	0.392	/
		Left side	810	0.169	2.47	25	24.50	0.190	/
		Right side	810	0.089	1.99	25	24.50	0.100	/
		Bottom side	810	0.455	2.21	25	24.50	**0.511**	4
WCDMA II	RMC	Front side	9538	0.340	-3.52	24	23.21	0.408	/
		Back side	9538	0.353	-2.21	24	23.21	0.423	/
		Left side	9538	0.164	-0.05	24	23.21	0.197	/
		Right side	9538	0.022	-0.17	24	23.21	0.026	/
		Bottom side	9538	0.527	1.11	24	23.21	**0.632**	6
WCDMA V	RMC	Front side	4233	0.044	1.85	23	22.78	**0.046**	8
		Back side	4233	0.031	2.15	23	22.78	0.033	/
		Left side	4233	0.004	-0.27	23	22.78	0.004	/
		Right side	4233	0.012	1.76	23	22.78	0.013	/
		Bottom side	4233	0.010	3.98	23	22.78	0.011	/

Band	Mode	Test Position	Ch.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Duty cycle(%)	Scaled SAR (W/Kg)	Meas. No.
Bluetooth	GFSK	Front side	78	0.004	-2.29	14	13.07	100	**0.005**	23
		Back side	78	0.003	-0.28	14	13.07	100	0.004	/
		Right side	78	0.001	2.32	14	13.07	100	0.001	/
		Top side	78	0.002	0.97	14	13.07	100	0.002	/

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. 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.

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Ch.	Result 1g (W/Kg)	Power Drift(%)	Max. Turn-up Power(dBm)	Meas. Output Power(dBm)	Scaled SAR (W/Kg)	Meas. No.
LTE Band 2	20M	QPSK	1	0	Front side	19100	0.452	-2.68	24	23.1	0.556	/
			1	0	Front side	19100	0.418	-0.10	23	22.8	0.438	/
			1	0	Back Side	19100	0.463	-0.66	24	23.1	**0.570**	10
			1	0	Back Side	19100	0.409	-0.21	23	22.8	0.428	/
			1	0	Left Side	19100	0.247	-0.68	24	23.1	0.304	/
			1	0	Left Side	19100	0.219	3.56	23	22.8	0.229	/
			1	0	Right Side	19100	0.144	1.86	24	23.1	0.177	/
			1	0	Right Side	19100	0.121	2.83	23	22.8	0.127	/
			1	0	Bottom Side	19100	0.459	-1.25	24	23.1	0.565	/
			1	0	Bottom Side	19100	0.412	-0.33	23	22.8	0.431	/
LTE Band 4	20M	QPSK	1	0	Front side	20175	0.448	-0.93	24	23.07	0.555	/
			1	0	Front side	20175	0.419	-1.92	23	22.8	0.439	/
			1	0	Back Side	20175	0.482	2.24	24	23.07	0.597	/
			1	0	Back Side	20175	0.459	1.10	23	22.8	0.481	/
			1	0	Left Side	20175	0.199	2.90	24	23.07	0.247	/
			1	0	Left Side	20175	0.163	-0.12	23	22.8	0.171	/
			1	0	Right Side	20175	0.211	-2.01	24	23.07	0.261	/
			1	0	Right Side	20175	0.199	2.45	23	22.8	0.208	/
			1	0	Bottom Side	20175	0.634	3.41	24	23.07	**0.785**	12
			1	0	Bottom Side	20175	0.624	-2.55	23	22.8	0.653	/
LTE Band 5	10M	QPSK	1	0	Front side	20525	0.328	1.61	24	23.8	**0.343**	14
			1	0	Front side	20600	0.301	0.28	24	23.58	0.332	/
			1	0	Back Side	20525	0.284	-3.87	24	23.8	0.297	/
			1	0	Back Side	20600	0.261	-1.93	24	23.58	0.288	/
			1	0	Left Side	20525	0.101	-0.70	24	23.8	0.106	/
			1	0	Left Side	20600	0.086	-1.71	24	23.58	0.095	/
			1	0	Right Side	20525	0.090	3.26	24	23.8	0.094	/
			1	0	Right Side	20600	0.082	3.25	24	23.58	0.090	/
			1	0	Bottom Side	20525	0.109	-1.47	24	23.8	0.114	/
			1	0	Bottom Side	20600	0.102	-1.60	24	23.58	0.112	/
LTE Band 7	20M	QPSK	1	0	Front side	21100	0.485	-2.35	23	22.16	0.588	/
			1	0	Front side	20850	0.428	-1.07	22	21.94	0.434	/
			1	0	Back Side	21100	0.585	-0.09	23	22.16	**0.710**	16
			1	0	Back Side	20850	0.539	-2.99	22	21.94	0.546	/
			1	0	Left Side	21100	0.177	1.20	23	22.16	0.215	/
			1	0	Left Side	20850	0.135	-2.15	22	21.94	0.137	/
			1	0	Right Side	21100	0.068	0.60	23	22.16	0.083	/
			1	0	Right Side	20850	0.056	-1.95	22	21.94	0.057	/
			1	0	Bottom Side	21100	0.540	0.71	23	22.16	0.655	/
			1	0	Bottom Side	20850	0.509	-2.30	22	21.94	0.516	/

LTE Band 12	10M	QPSK	1	0	Front side	23060	0.137	-3.16	24	23.4	0.157	/
			1	0	Front side	23060	0.115	0.33	24	23.11	0.141	/
			1	0	Back Side	23060	0.201	-1.95	24	23.4	**0.231**	18
			1	0	Back Side	23060	0.182	3.71	24	23.11	0.223	/
			1	0	Left Side	23060	0.062	1.00	24	23.4	0.071	/
			1	0	Left Side	23060	0.051	1.04	24	23.11	0.063	/
			1	0	Right Side	23060	0.043	-2.32	24	23.4	0.049	/
			1	0	Right Side	23060	0.038	0.55	24	23.11	0.047	/
			1	0	Bottom Side	23060	0.042	1.68	24	23.4	0.048	/
			1	0	Bottom Side	23060	0.034	0.10	24	23.11	0.042	/
LTE Band 17	10M	QPSK	1	0	Front side	23780	0.220	1.81	24	23.16	0.267	/
			1	0	Front side	23780	0.197	2.59	23	22.92	0.201	/
			1	0	Back Side	23780	0.268	-3.52	24	23.16	**0.325**	20
			1	0	Back Side	23780	0.247	1.02	23	22.92	0.252	/
			1	0	Left Side	23780	0.035	-0.91	24	23.16	0.042	/
			1	0	Left Side	23780	0.030	4.00	23	22.92	0.031	/
			1	0	Right Side	23780	0.019	1.36	24	23.16	0.023	/
			1	0	Right Side	23780	0.012	-3.94	23	22.92	0.012	/
			1	0	Bottom Side	23780	0.029	3.85	24	23.16	0.035	/
			1	0	Bottom Side	23780	0.021	-0.40	23	22.92	0.021	/

Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

Position	Simultaneous state
Head	1. GSM + WLAN
	2. GSM + Bluetooth
	3. WCDMA + WLAN
	4. WCDMA + Bluetooth
	5. LTE + WLAN
	6. LTE + Bluetooth
Body	1. GSM + WLAN
	2. GSM + Bluetooth
	3. WCDMA + WLAN
	4. WCDMA + Bluetooth
	5. LTE + 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≦50mm,Bluetooth standalone SAR is excluded according to [(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm) ·[√f (GHz) /x] ≦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) (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f (GHz) /x] W/kg for test separation distances≤ 50 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 >50mm.

Estimated SAR		Maximum Power		Antenna to user(mm)	Frequency(GHz)	Stand alone SAR(1g) [W/kg]
		dBm	mW			
2.4G WLAN	Body	11	12.589	10	2.462	0.263
5.2G WLAN	Head	2	1.585	5	5.200	0.096
	Body			10		0.048
5.8G WLAN	Head	2	1.585	5	5.800	0.102
	Body			10		0.051

Simultaneous Mode	Position	Mode	Max. 1-g SAR (W/kg)	1-g Sum SAR (W/kg)
GSM + WLAN	Head	GSM Data	0.460	0.878
		WLAN	0.418	
	Body	GSM Data	0.511	0.774
		WLAN	0.263	
GSM + Bluetooth	Head	GSM Data	0.460	0.469
		Bluetooth	0.009	
	Body	GSM Data	0.511	0.516
		Bluetooth	0.005	
WCDMA + WLAN	Head	WCDMA RMC	0.325	0.743
		WLAN	0.418	
	Body	WCDMA RMC	0.632	0.895
		WLAN	0.263	
WCDMA + Bluetooth	Head	WCDMA RMC	0.325	0.334
		Bluetooth	0.009	
	Body	WCDMA RMC	0.632	0.637
		Bluetooth	0.005	
LTE + WLAN	Head	LTE RMC	0.499	**0.917**
		WLAN	0.418	
	Body	LTE RMC	0.785	**1.048**
		WLAN	0.263	
LTE + Bluetooth	Head	LTE RMC	0.499	0.508
		Bluetooth	0.009	
	Body	LTE RMC	0.785	0.790
		Bluetooth	0.005	

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	2017.08.15	2020.08.14
835MHz Dipole	MVG	SID835	SN 30/14 DIP0G835-332	2017.08.15	2020.08.14
1800MHz Dipole	MVG	SID1800	SN 30/14 DIP1G800-329	2017.08.15	2020.08.14
1900MHz Dipole	MVG	SID1900	SN 30/14 DIP1G900-333	2017.08.15	2020.08.14
2450MHzDipole	MVG	SID2450	SN 30/14 DIP2G450-335	2017.08.15	2020.08.14
2600MHz Dipole	MVG	SID2600	SN 30/14 DIP2G600-336	2017.08.15	2020.08.14
E-Field Probe	MVG	SSE5	SN 14/16 EP309	2018.12.13	2019.12.12
Dielectric Probe Kit	MVG	SCLMP	SN 32/14 OCPG67	2018.12.01	2019.11.30
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	2019.03.02	2020.03.01
Multi Meter	Keithley	Multi Meter 2000	4050073	2018.10.13	2019.10.12
Signal Generator	Agilent	N5182A	MY50140530	2018.10.16	2019.10.15
Wireless Communication Test Set	Agilent	8960-E5515C	MY48360751	2018.10.16	2019.10.15
Wireless Communication Test Set	R&S	CMW500	117239	2018.10.13	2019.10.12
Power Amplifier	DESAY	ZHL-42W	9638	2018.10.13	2019.10.12
Power Meter	R&S	NRP	100510	2018.10.26	2019.10.25
Power Meter	Agilent	E4418B	GB43312526	2018.10.26	2019.10.25
Power Sensor	R&S	NRP-Z11	101919	2018.10.13	2019.10.12
Power Sensor	Agilent	E9301A	MY41497725	2018.10.13	2019.10.12
hygrothermograph	MiEO	HH660	N/A	2018.10.11	2019.10.10
Thermograph	Elitech	RC-4	S/N EF7176501537	2018.10.15	2019.10.14

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

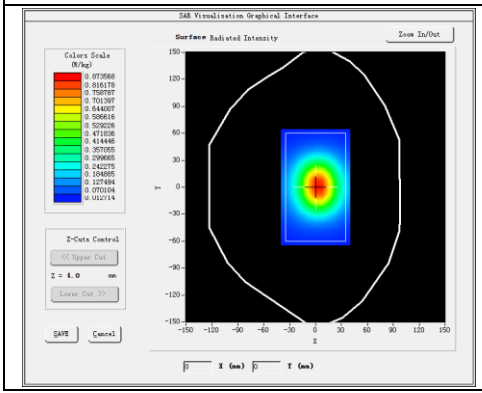
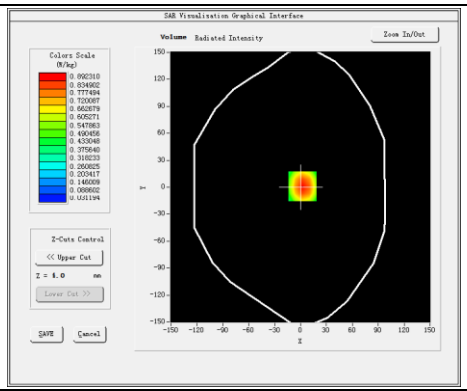
Appendix A. System Validation Plots

System Performance Check Data (750MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-17
Measurement duration: 13 minutes 25 seconds

Experimental conditions

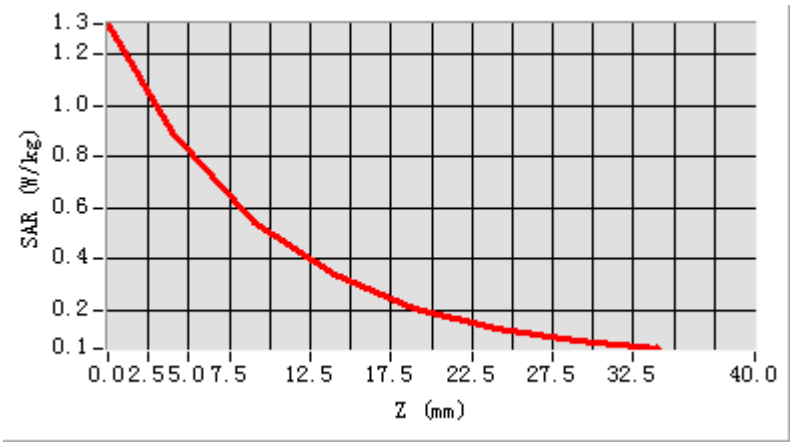
Phantom	Validation plane
Device Position	-
Band	750MHz
Channels	-
Signal	CW
Frequency (MHz)	750MHz
Relative permittivity	41.46
Conductivity (S/m)	0.87
Power drift (%)	-0.20
Probe	SN 14/16 EP309
ConvF:	5.11
Crest factor:	1:1

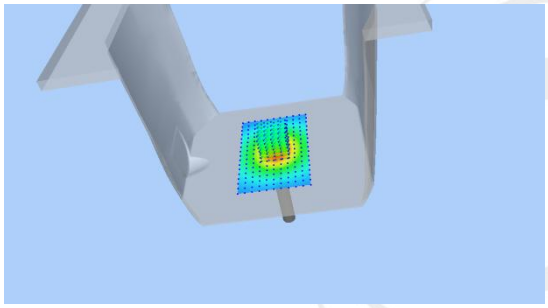
SURFACE SAR	VOLUME SAR
	

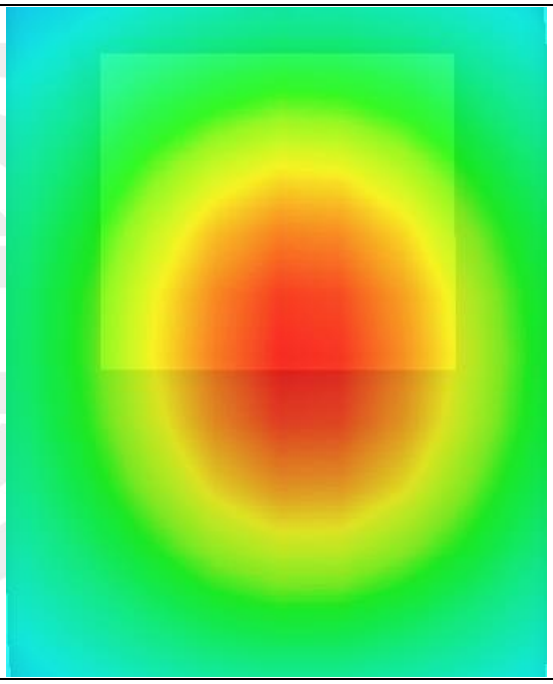
Maximum location: X=2.00, Y=1.00

SAR 10g (W/Kg)	0.535218
SAR 1g (W/Kg)	0.837104

Z Axis Scan


SAR (W/kg)
1.3
1.2
1.0
0.8
0.6
0.4
0.2
0.1
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)



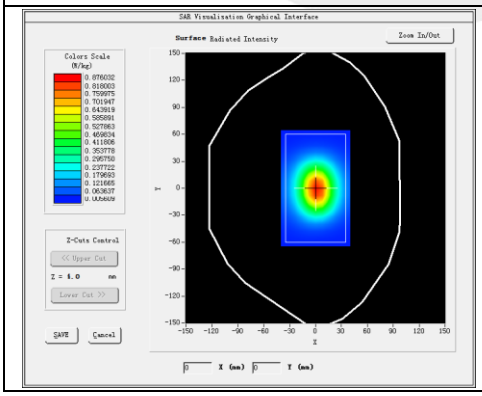
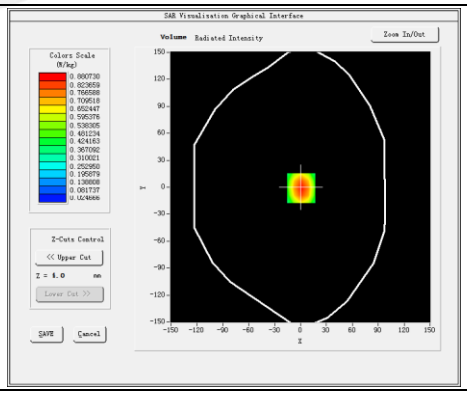


System Performance Check Data (750MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-17
Measurement duration: 14 minutes 12 seconds

Experimental conditions.

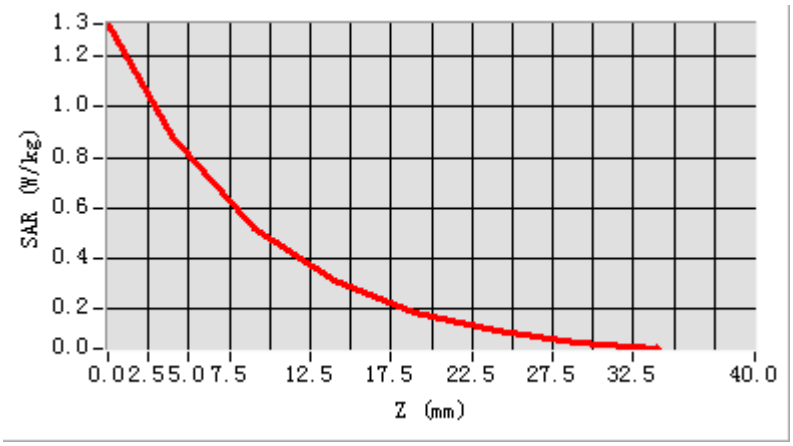
Probe	
Phantom	Validation plane
Device Position	-
Band	750MHz
Channels	-
Signal	CW
Frequency (MHz)	750MHz
Relative permittivity	54.68
Conductivity (S/m)	0.94
Power drift (%)	1.44
Probe	SN 14/16 EP309
ConvF:	5.28
Crest factor:	1:1

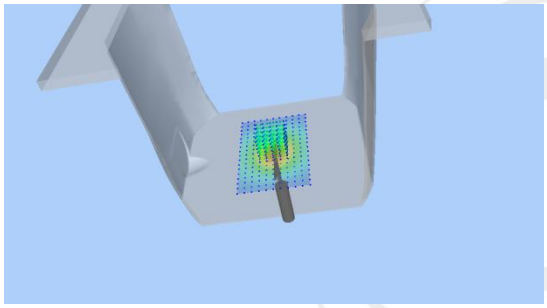
SURFACE SAR	VOLUME SAR
	

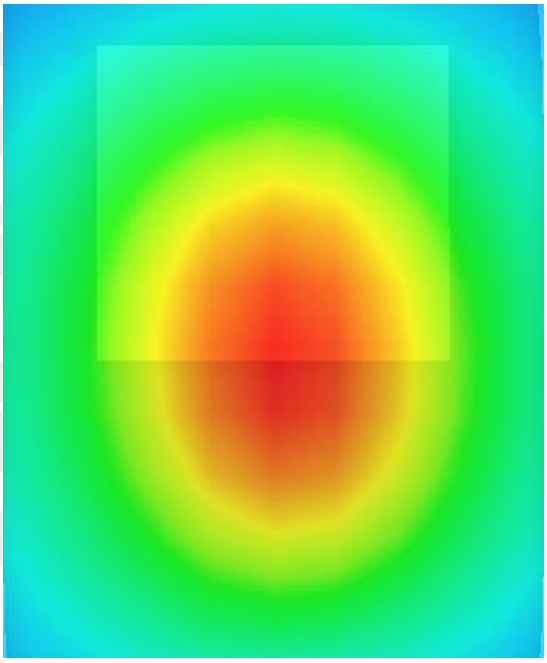
Maximum location: X=1.00, Y=-1.00

SAR 10g (W/Kg)	0.524586
SAR 1g (W/Kg)	0.882014

Z Axis Scan


SAR (W/kg)
1.3
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)





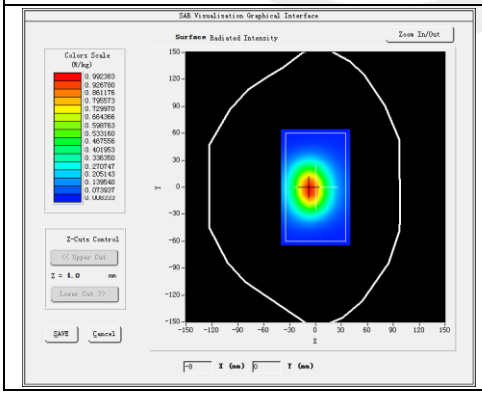
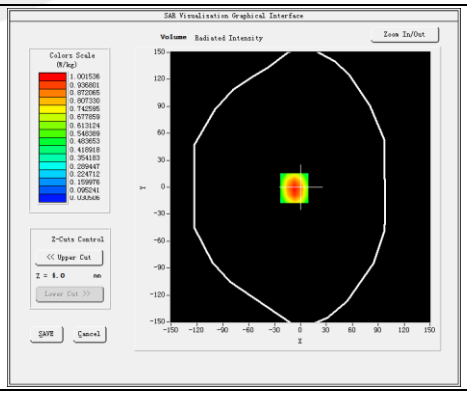
System Performance Check Data (835MHz Head)

Type: Phone measurement (Complete)

Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-18
Measurement duration: 13 minutes 27 seconds

Experimental conditions

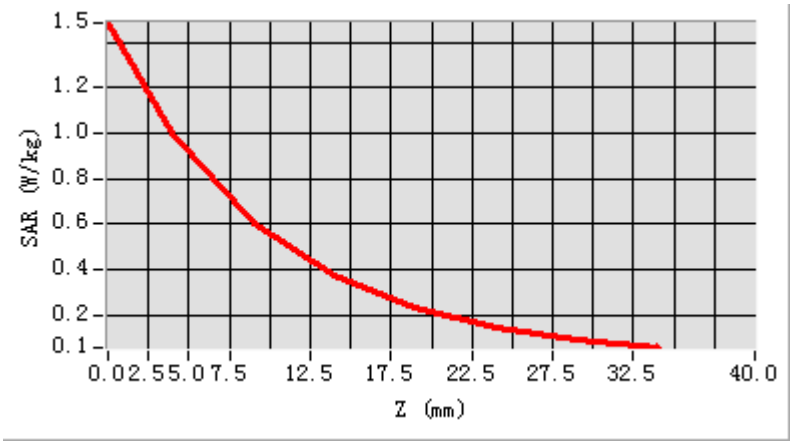
Phantom	Validation plane
Device Position	-
Band	835MHz
Channels	-
Signal	CW
Frequency (MHz)	835MHz
Relative permittivity	41.02
Conductivity (S/m)	0.87
Power drift (%)	0.07
Probe	SN 14/16 EP309
ConvF:	5.74
Crest factor:	1:1

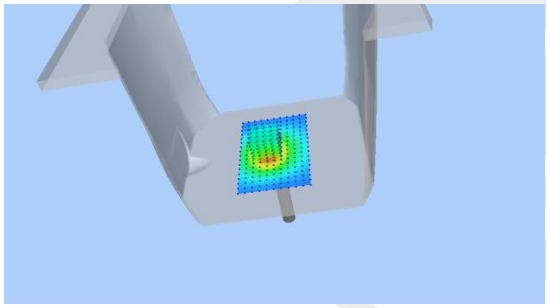
SURFACE SAR	VOLUME SAR
	

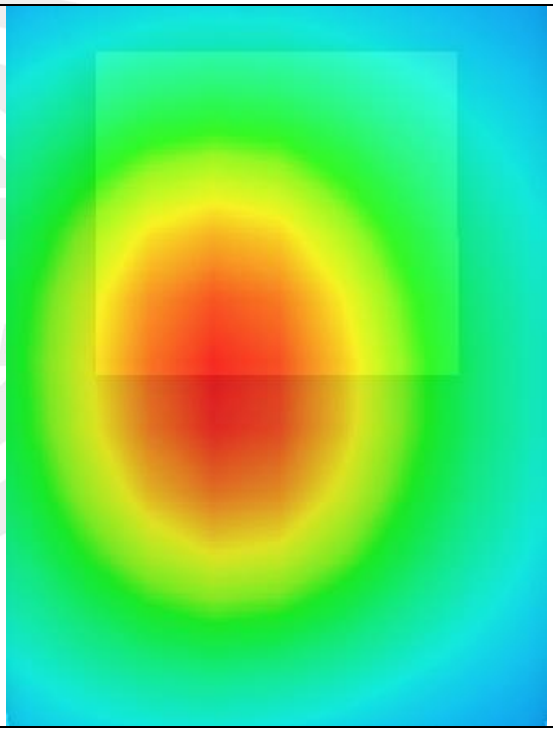
Maximum location: X=-7.00, Y=-1.00

SAR 10g (W/Kg)	0.621024
SAR 1g (W/Kg)	0.983019

Z Axis Scan


SAR (W/kg)
1.5
1.2
1.0
0.8
0.6
0.4
0.2
0.1
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)



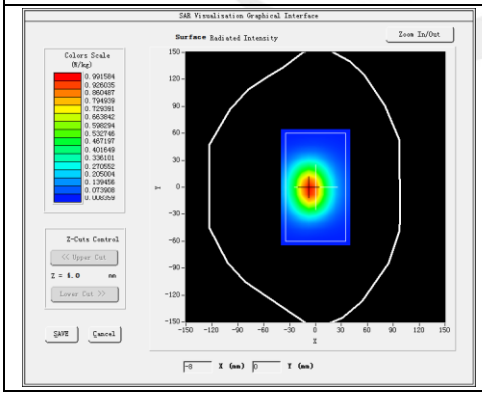
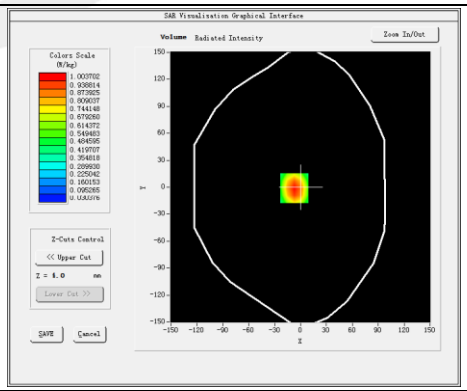


System Performance Check Data (835MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-18
Measurement duration: 14 minutes 13 seconds

Experimental conditions.

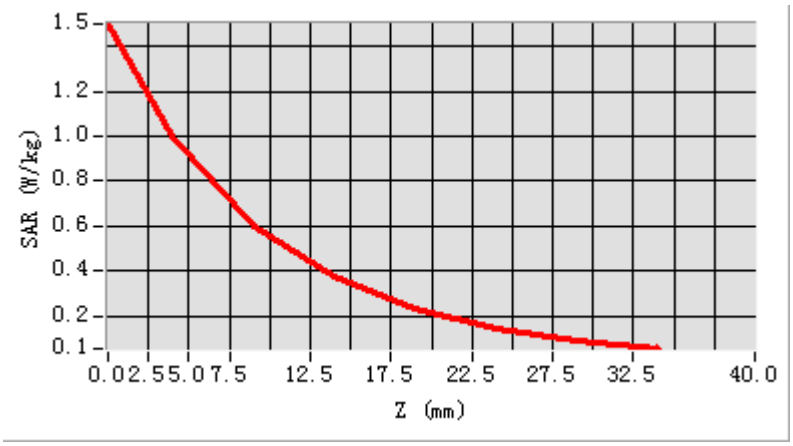
Probe	
Phantom	Validation plane
Device Position	-
Band	835MHz
Channels	-
Signal	CW
Frequency (MHz)	835MHz
Relative permittivity	54.91
Conductivity (S/m)	0.98
Power drift (%)	-0.37
Probe	SN 14/16 EP309
ConvF:	5.90
Crest factor:	1:1

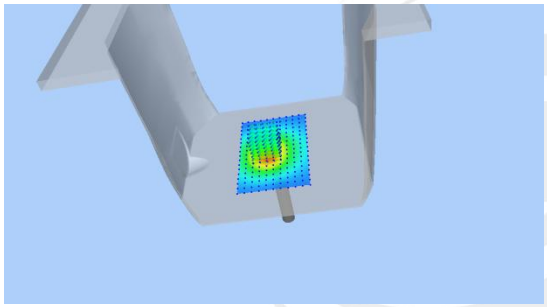
SURFACE SAR	VOLUME SAR
	

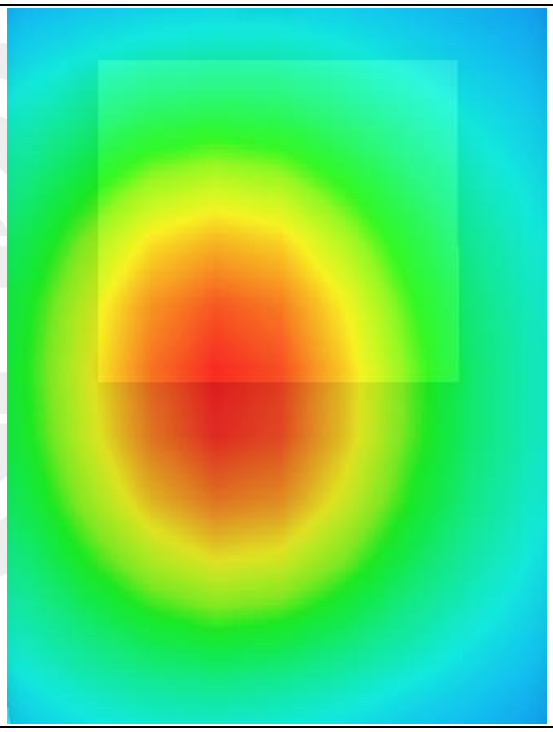
Maximum location: X=-7.00, Y=-1.00

SAR 10g (W/Kg)	0.610148
SAR 1g (W/Kg)	0.948054

Z Axis Scan


1.5
1.2
1.0
0.8
0.6
0.4
0.2
0.1
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)



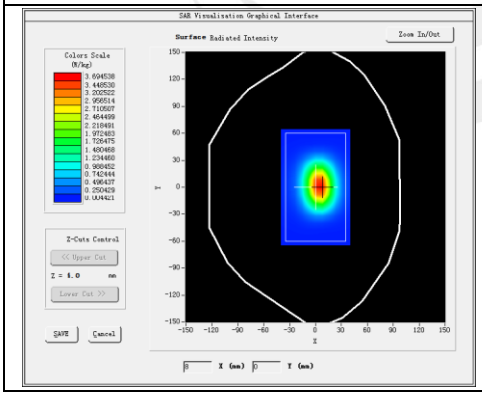
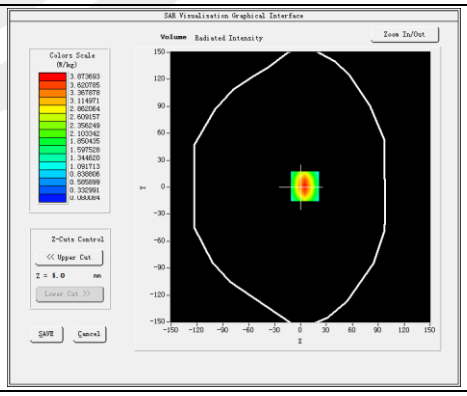


System Performance Check Data(1800MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-19

Experimental conditions.

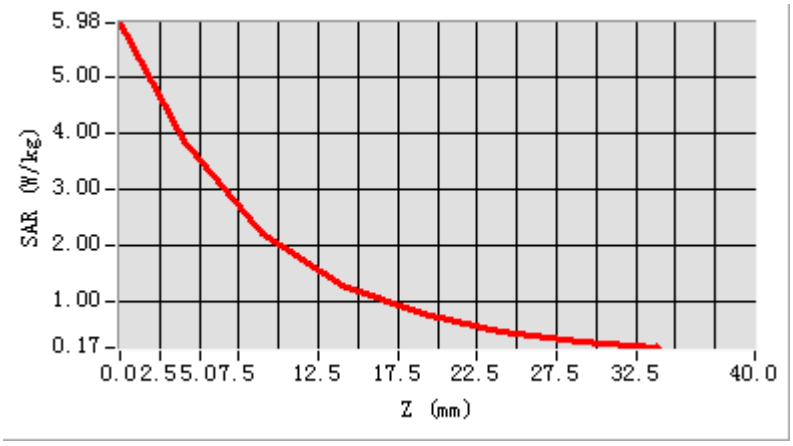
Phantom	Validation plane
Device Position	-
Band	1800MHz
Channels	-
Signal	CW
Frequency (MHz)	1800MHz
Relative permittivity	39.73
Conductivity (S/m)	1.38
Power drift (%)	0.23
Probe	SN 14/16 EP309
ConvF	4.69
Crest factor:	1:1

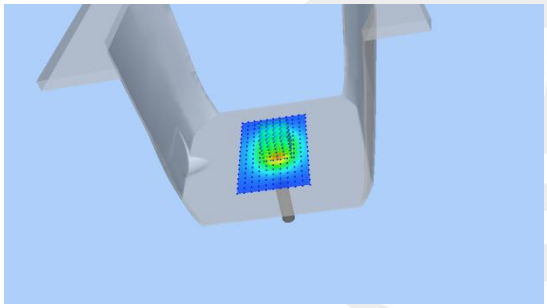
SURFACE SAR	VOLUME SAR
	

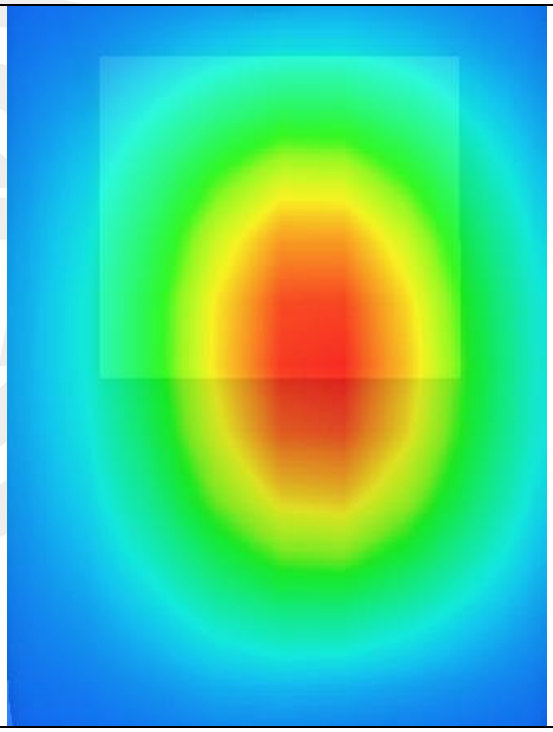
Maximum location: X=5.00, Y=1.00

SAR 10g (W/Kg)	2.021559
SAR 1g (W/Kg)	3.768701

Z Axis Scan


5.98
5.00
4.00
3.00
2.00
1.00
0.17
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)



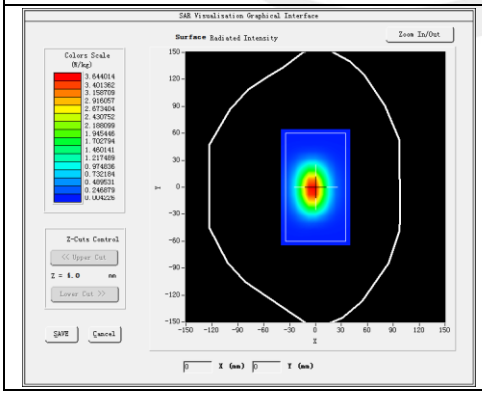
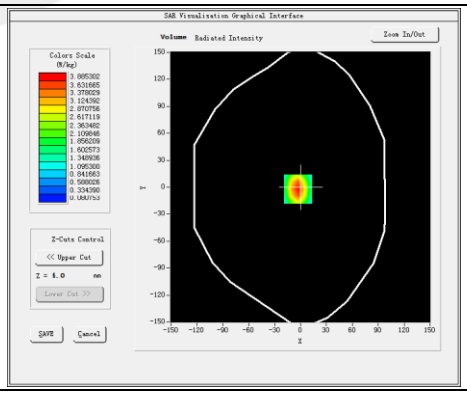


System Performance Check Data(1800MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-19

Experimental conditions.

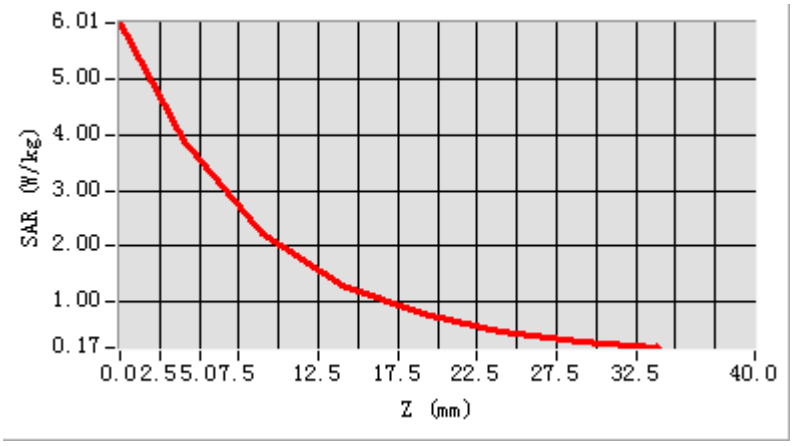
Phantom	Validation plane
Device Position	-
Band	1800MHz
Channels	-
Signal	CW
Frequency (MHz)	1800MHz
Relative permittivity	54.41
Conductivity (S/m)	1.56
Power drift (%)	-0.28
Probe	SN 14/16 EP309
ConvF	4.78
Crest factor:	1:1

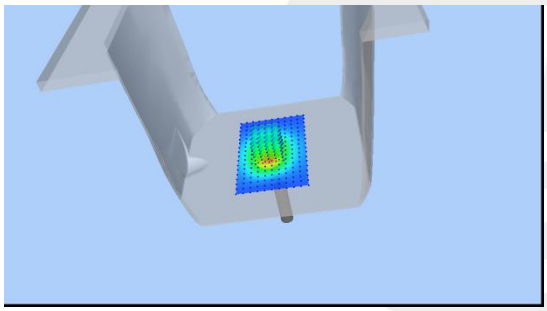
SURFACE SAR	VOLUME SAR
	

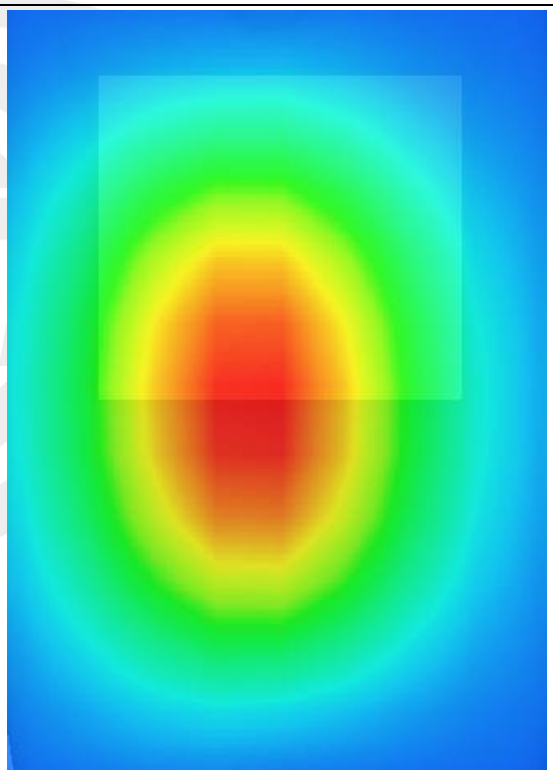
Maximum location: X=-3.00, Y=-2.00

SAR 10g (W/Kg)	2.095482
SAR 1g (W/Kg)	3.935571

Z Axis Scan


6.01
5.00
4.00
3.00
2.00
1.00
0.17
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)



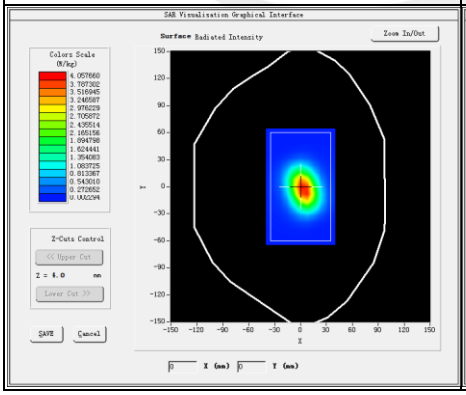
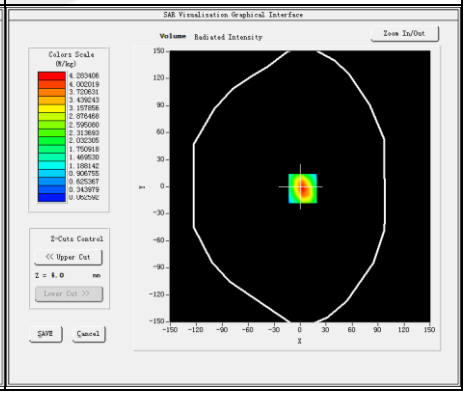


System Performance Check Data (1900MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-20
Measurement duration: 14 minutes 12 seconds

Experimental conditions.

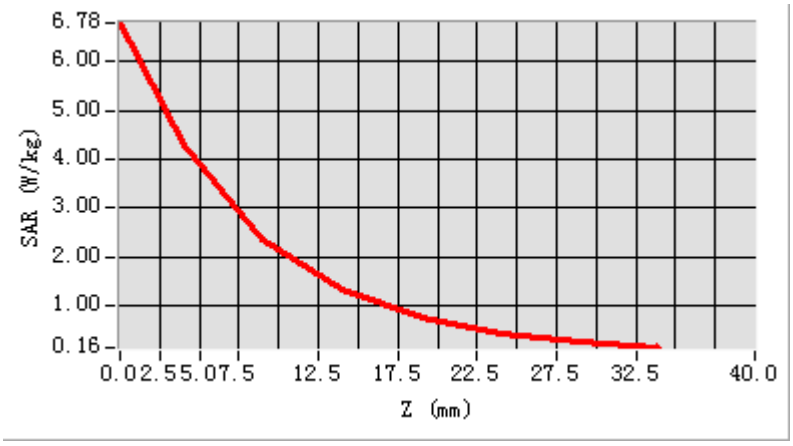
Phantom	Validation plane
Device Position	-
Band	1900MHz
Channels	-
Signal	CW
Frequency (MHz)	1900MHz
Relative permittivity	39.36
Conductivity (S/m)	1.44
Power drift (%)	0.46
Probe	SN 14/16 EP309
ConvF:	5.46
Crest factor:	1:1

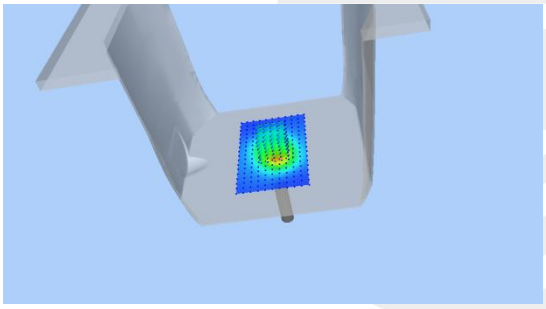
SURFACE SAR	VOLUME SAR
	

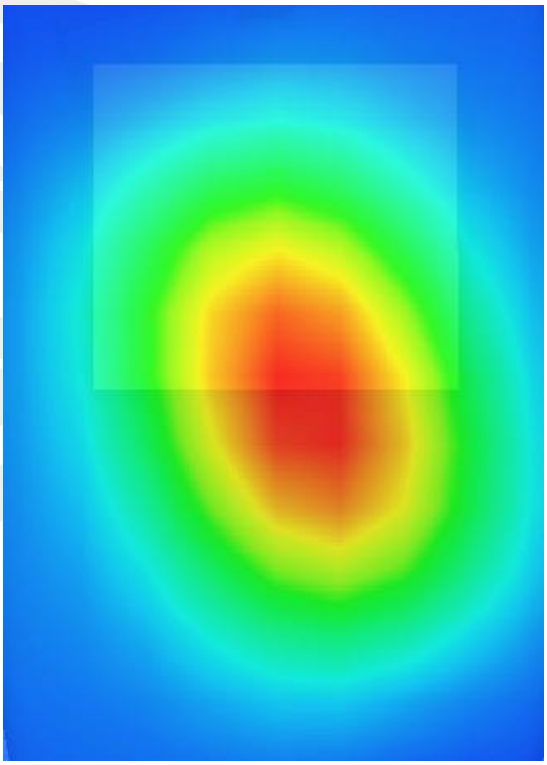
Maximum location: X=3.00, Y=-2.00

SAR 10g (W/Kg)	2.095321
SAR 1g (W/Kg)	3.856501

Z Axis Scan


6.78
6.00
5.00
4.00
3.00
2.00
1.00
0.16
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)



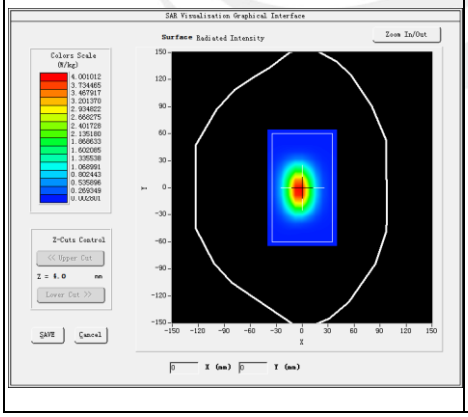
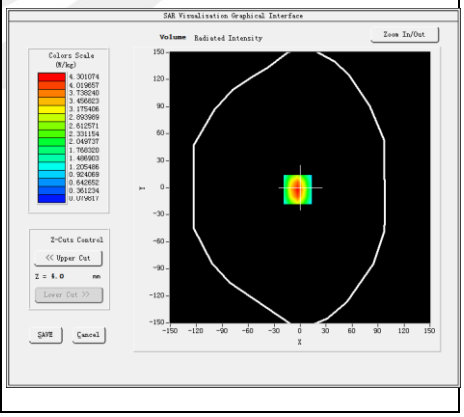


System Performance Check Data (1900MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-20
Measurement duration: 14 minutes 46 seconds

Experimental conditions.

Device Position	-
Band	1900MHz
Channels	-
Signal	CW
Frequency (MHz)	1900
Relative permittivity	53.25
Conductivity (S/m)	1.57
Power drift (%)	-0.31
Probe	SN 14/16 EP309
ConvF:	5.67
Crest factor:	1:1

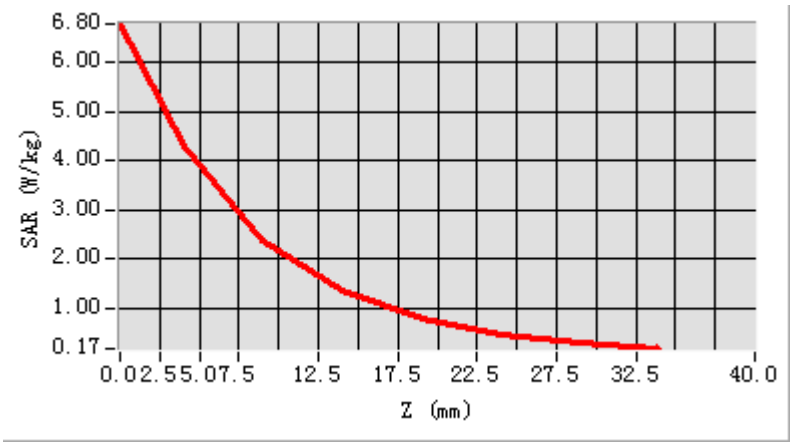
SURFACE SAR	VOLUME SAR
	

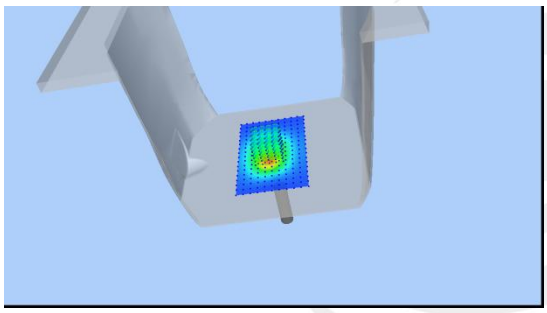
Maximum location: X=-3.00, Y=-2.00

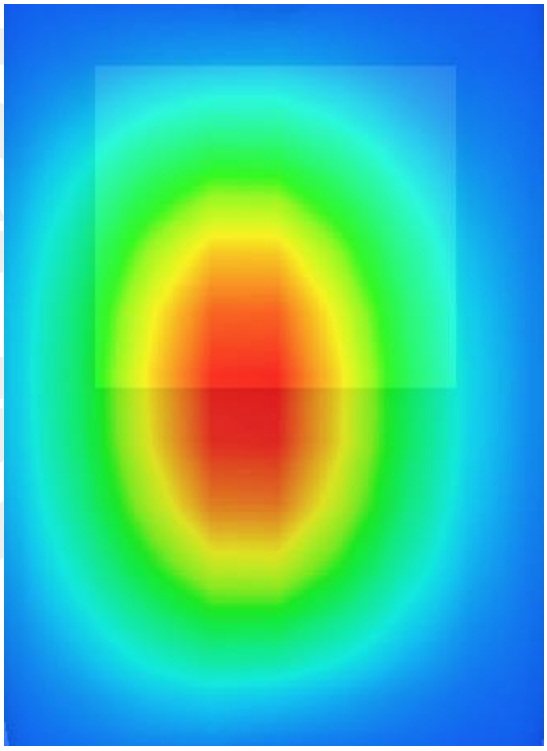
SAR Peak: 5.27 W/kg

SAR 10g (W/Kg)	2.065486
SAR 1g (W/Kg)	4.035501

Z Axis Scan


6.80
6.00
5.00
4.00
3.00
2.00
1.00
0.17
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)



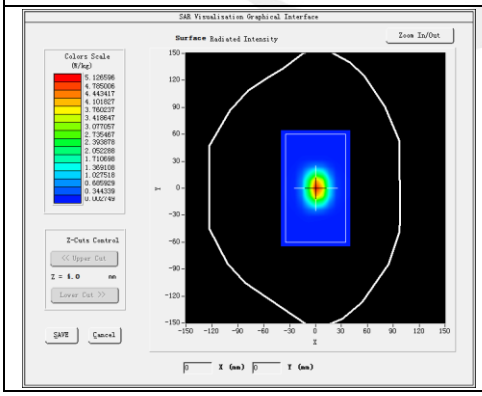
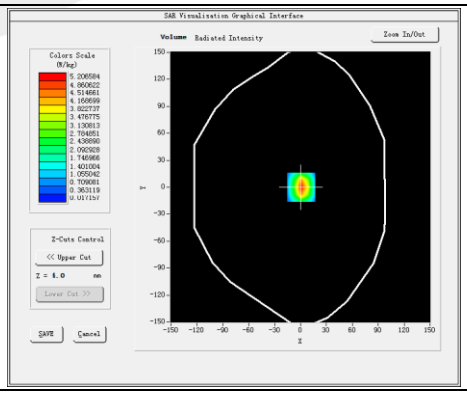


System Performance Check Data (2450MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-21
Measurement duration: 13 minutes 51seconds

Experimental conditions.

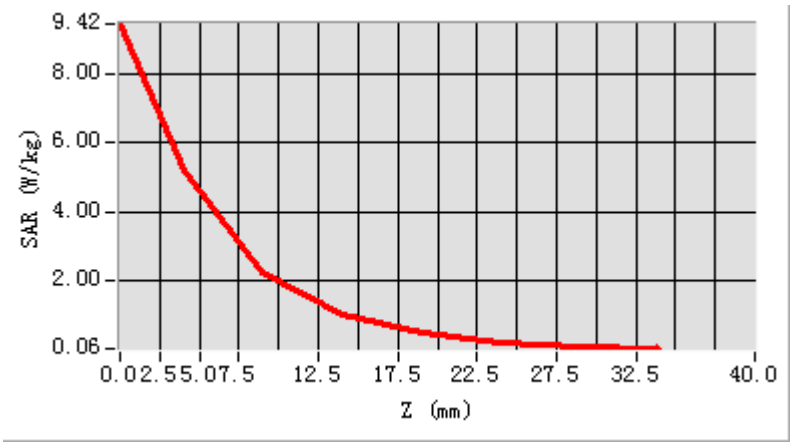
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	39.63
Conductivity (S/m)	1.78
Power drift (%)	-0.38
Probe	SN 14/16 EP309
ConvF	5.09
Crest factor:	1:1

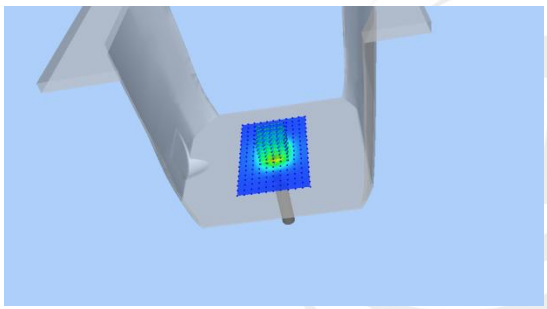
SURFACE SAR	VOLUME SAR
	

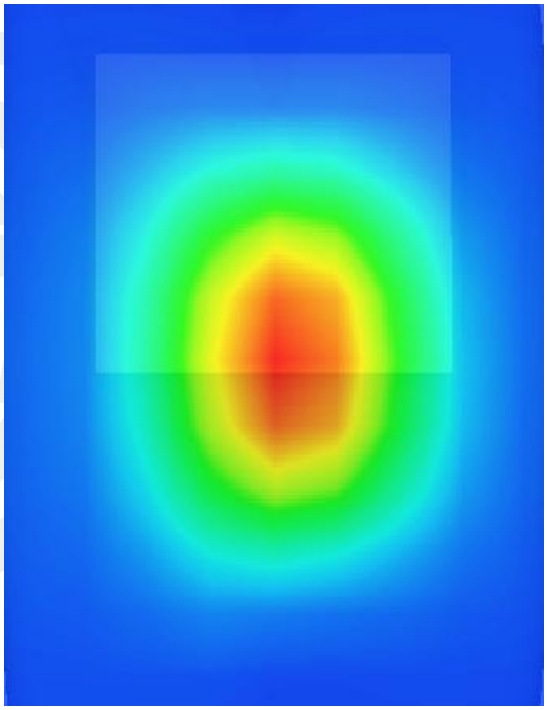
Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	2.489526
SAR 1g (W/Kg)	5.240878

Z Axis Scan


9.42
8.00
6.00
4.00
2.00
0.06
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)



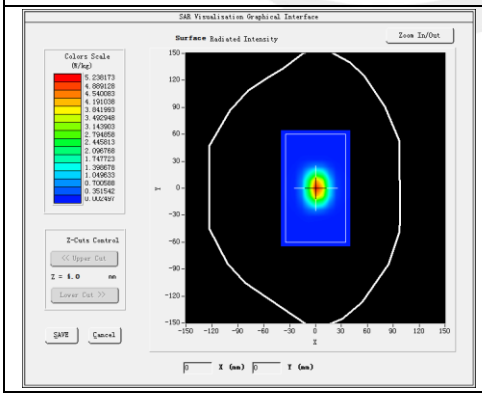
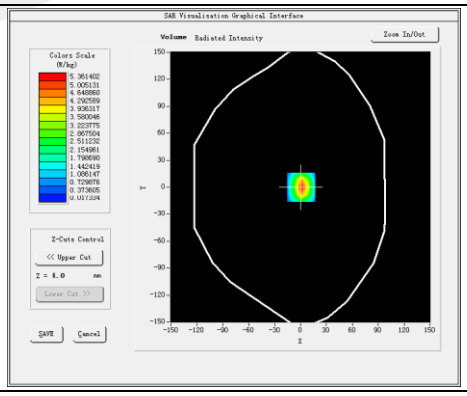


System Performance Check Data (2450MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-21
Measurement duration: 14 minutes 23 seconds

Experimental conditions.

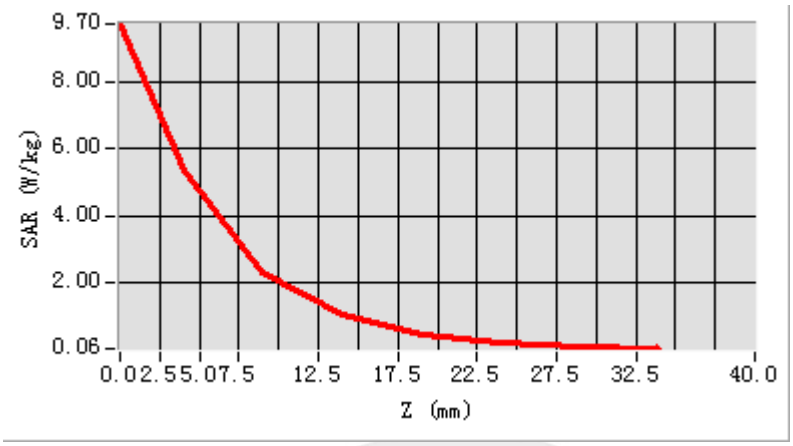
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	53.00
Conductivity (S/m)	1.97
Power drift (%)	-0.30
Probe	SN 14/16 EP309
ConvF	5.24
Crest factor:	1:1

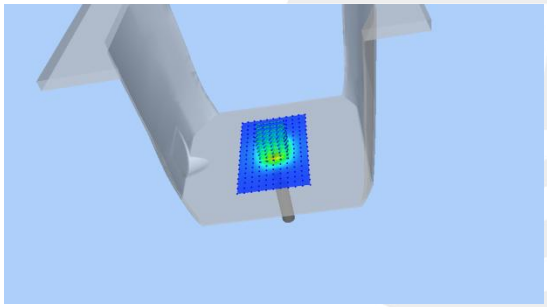
SURFACE SAR	VOLUME SAR
	

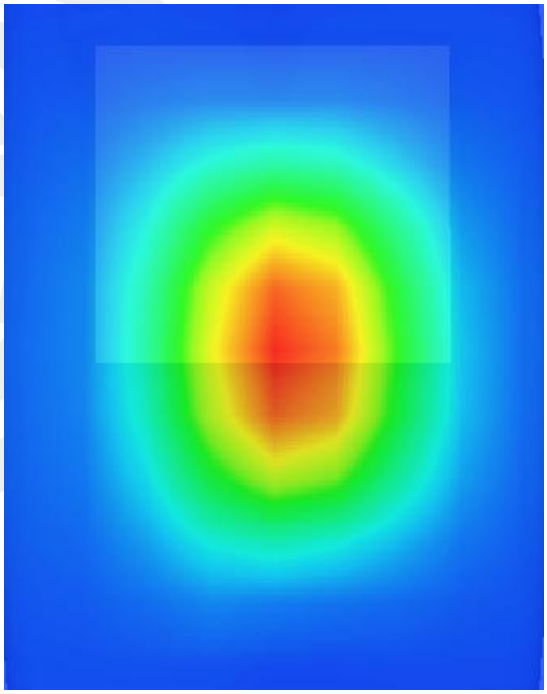
Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	2.401595
SAR 1g (W/Kg)	5.354017

Z Axis Scan


9.70
8.00
6.00
4.00
2.00
0.06
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)



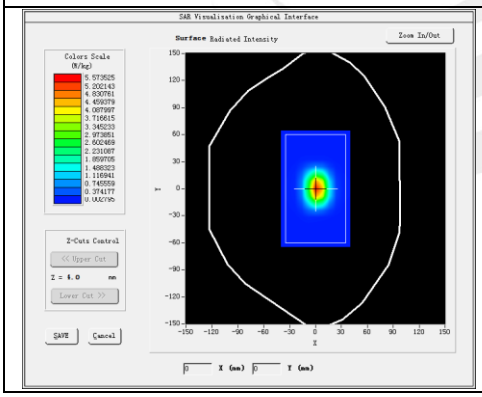
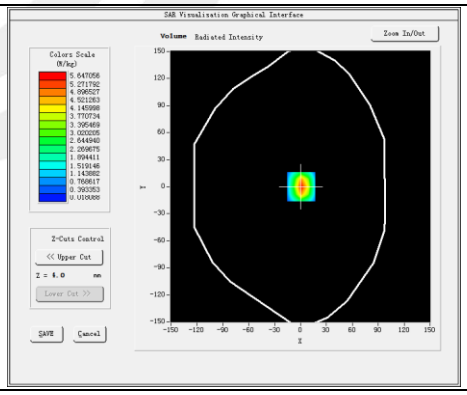


System Performance Check Data(2600MHz Head)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-23

Experimental conditions.

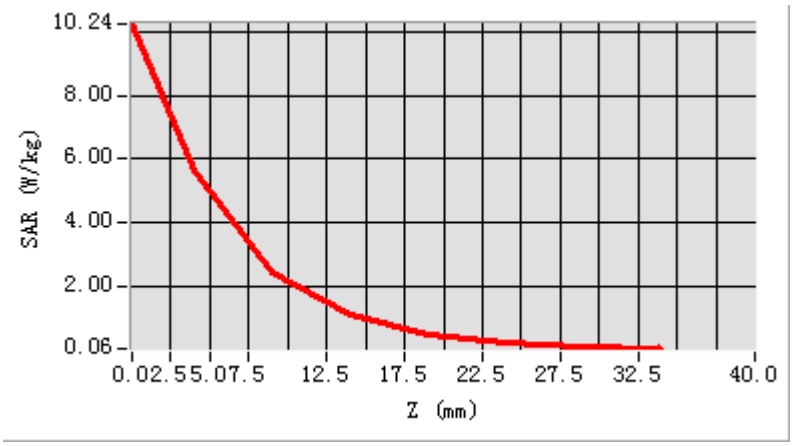
Device Position	Validation plane
Band	2600 MHz
Channels	-
Signal	CW
Frequency (MHz)	2600
Relative permittivity	39.60
Conductivity (S/m)	1.98
Power drift (%)	0.63
Probe	SN 14/16 EP309
ConvF	4.96
Crest factor:	1:1

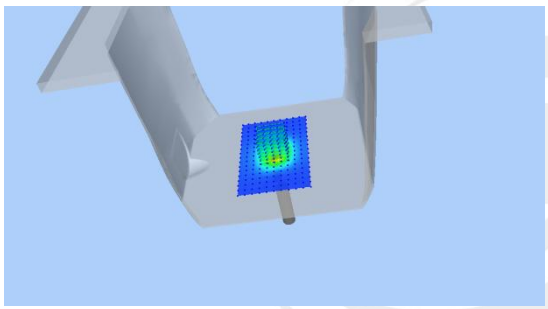
SURFACE SAR	VOLUME SAR
	

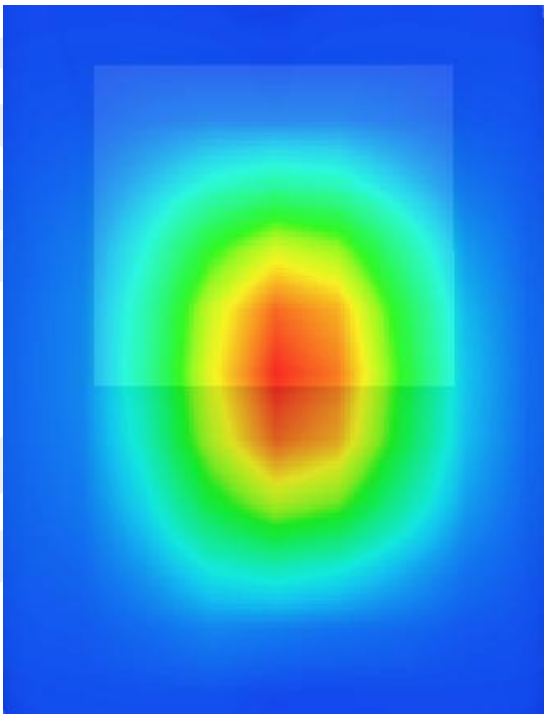
Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	2.504952
SAR 1g (W/Kg)	5.430389

Z Axis Scan


10.24
8.00
6.00
4.00
2.00
0.06
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)



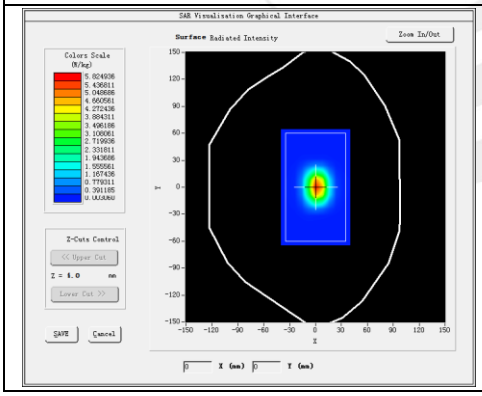
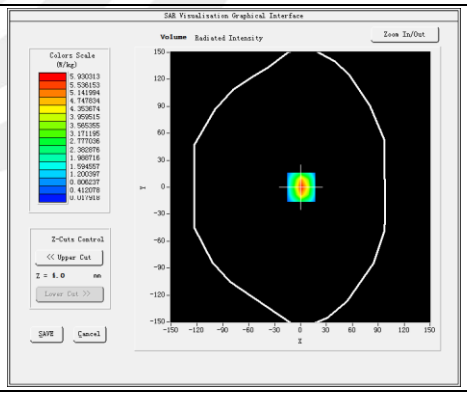


System Performance Check Data (2600MHz Body)

Type: Phone measurement (Complete)
Area scan resolution: dx=8mm,dy=8mm
Zoom scan resolution: dx=8mm, dy=8mm, dz=5mm
Date of measurement: 2019-09-23

Experimental conditions.

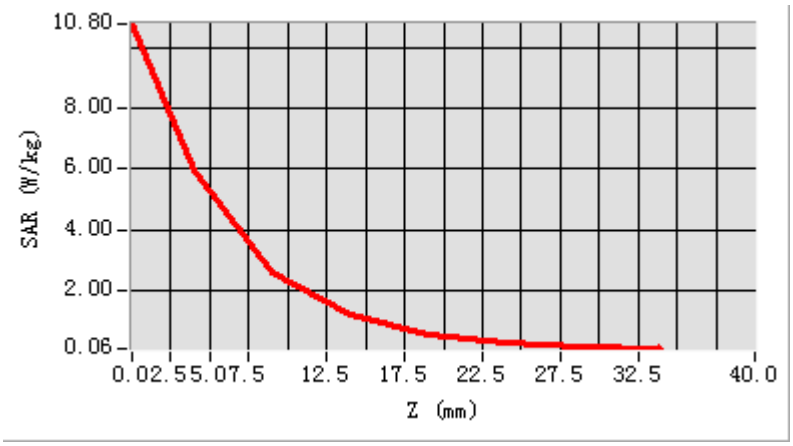
Device Position	Validation plane
Band	2600 MHz
Channels	-
Signal	CW
Frequency (MHz)	2600
Relative permittivity	52.52
Conductivity (S/m)	2.13
Power drift (%)	-0.30
Probe	SN 14/16 EP309
ConvF	5.07
Crest factor:	1:1

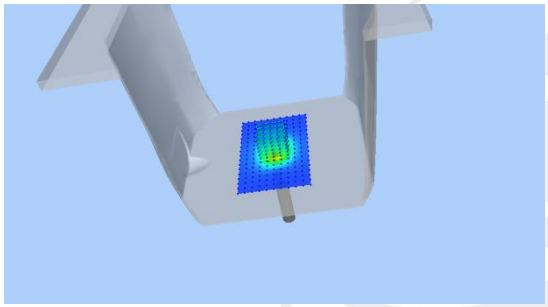
SURFACE SAR	VOLUME SAR
	

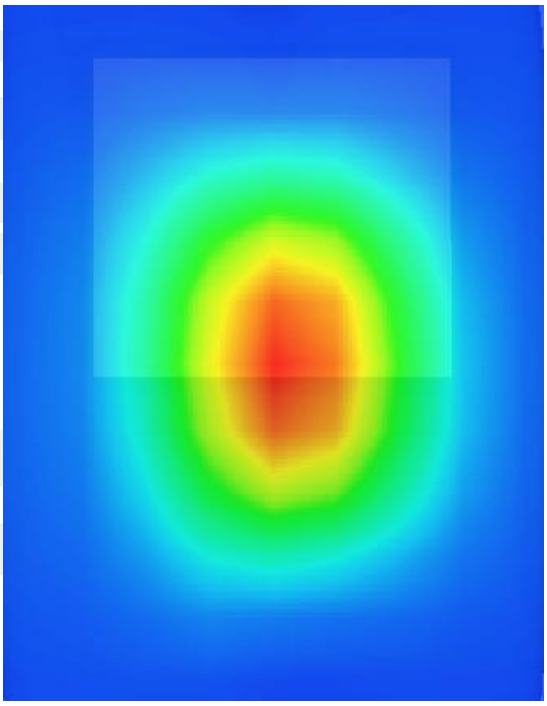
Maximum location: X=3.00, Y=1.00

SAR 10g (W/Kg)	2.542684
SAR 1g (W/Kg)	5.422501

Z Axis Scan


10.80
8.00
6.00
4.00
2.00
0.06
SAR (W/kg)
0.0 2.5 5.0 7.5 12.5 17.5 22.5 27.5 32.5 40.0
Z (mm)





Appendix B. SAR Test Plots

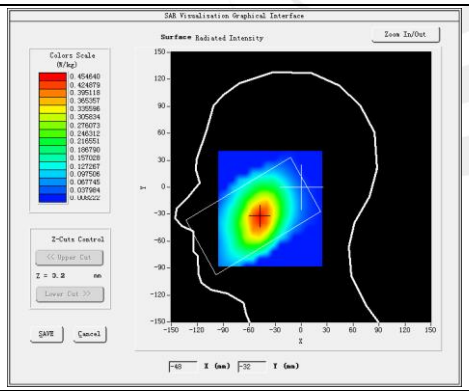
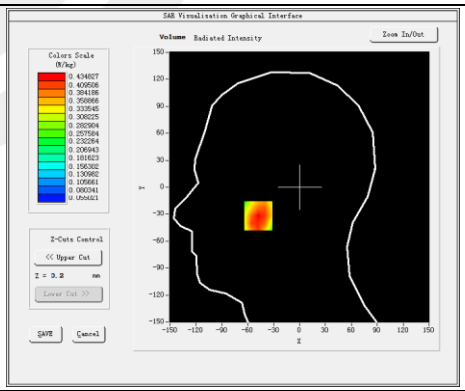
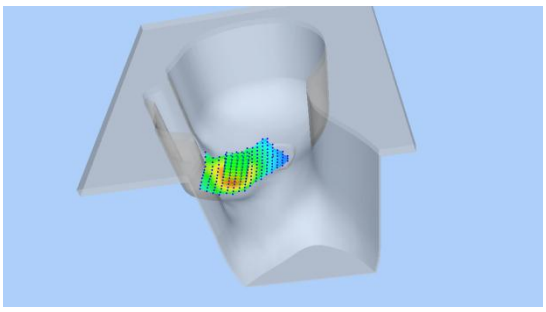
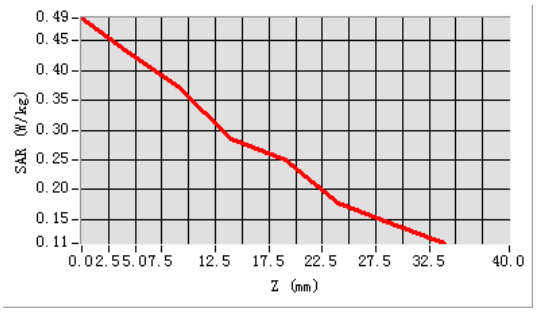
Plot 1: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-18
Probe	SN 14/16 EP309
ConvF	5.74
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	Right head
Device Position	Cheek
Band	GPRS 850
Channels	Middle
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	836.6
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	2.26

Maximum location: X=-48.00, Y=-32.00

SAR Peak: 0.54 W/kg

SAR 10g (W/Kg)	0.318416
SAR 1g (W/Kg)	0.424602

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

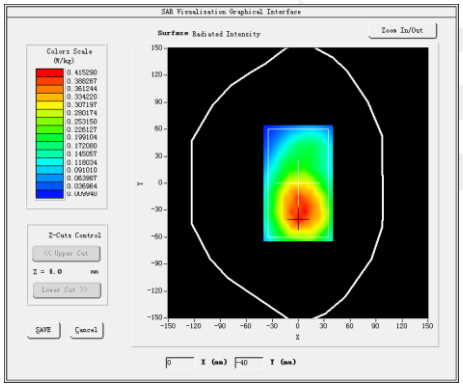
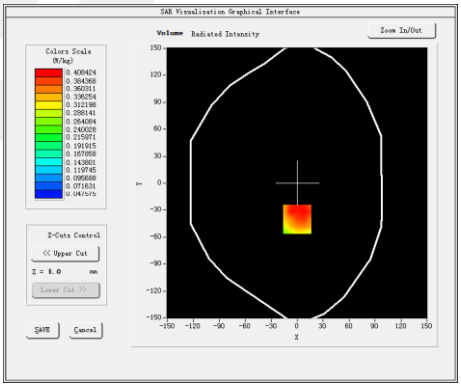
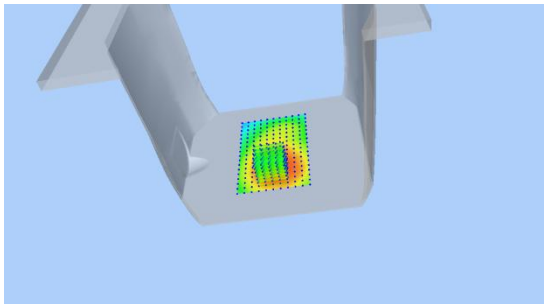
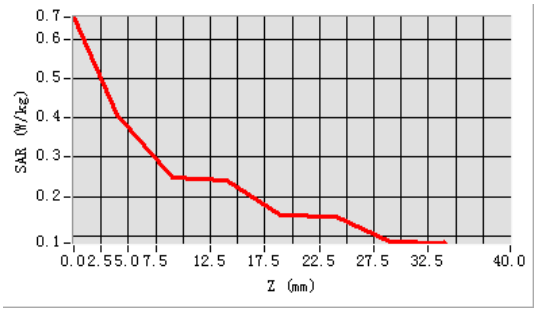
Plot 2: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-18
Probe	SN 14/16 EP309
ConvF	5.90
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	Front Side
Band	GPRS 850
Channels	Middle
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	2.83

Maximum location: X=0.00, Y=-40.00

SAR Peak: 0.54 W/kg

SAR 10g (W/Kg)	0.289379
SAR 1g (W/Kg)	0.395748

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

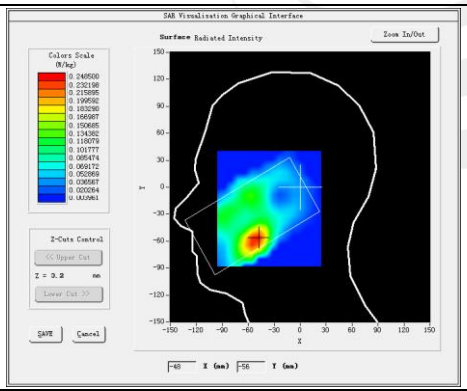
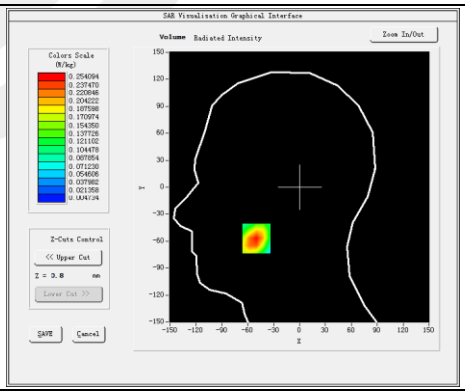
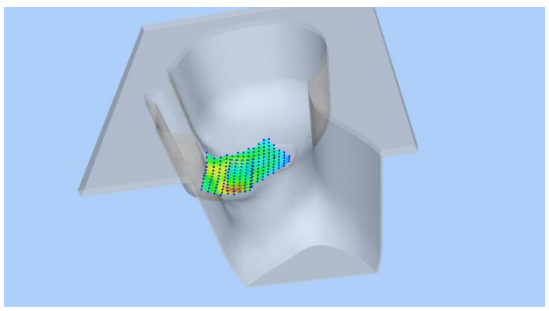
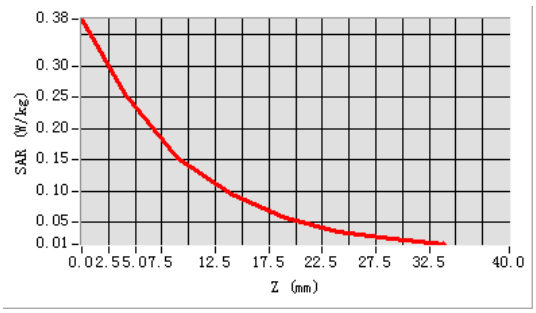
Plot 3: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-20
Probe	SN 14/16 EP309
ConvF	5.46
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	High
Signal	TDMA (Crest factor: 8.32)
Frequency (MHz)	1909.8
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	-3.22

Maximum location: X=-50.00, Y=-57.00

SAR Peak: 0.38 W/kg

SAR 10g (W/Kg)	0.135016
SAR 1g (W/Kg)	0.241706

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

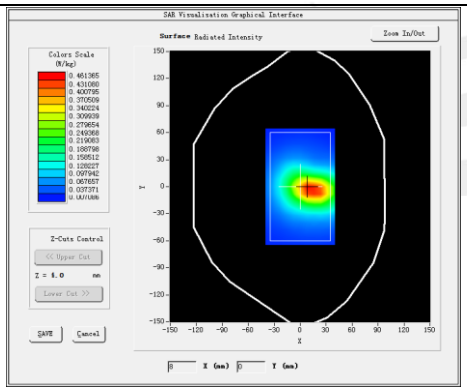
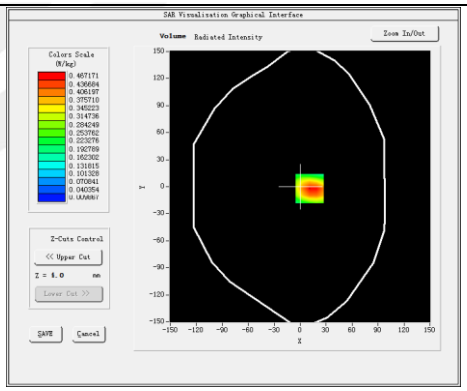
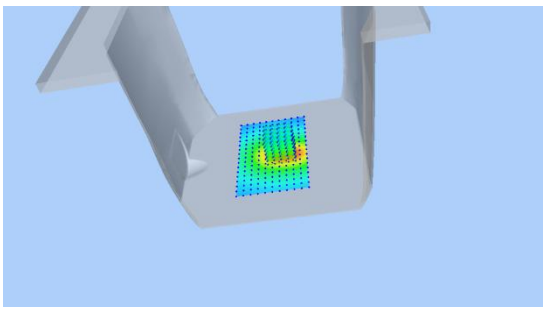
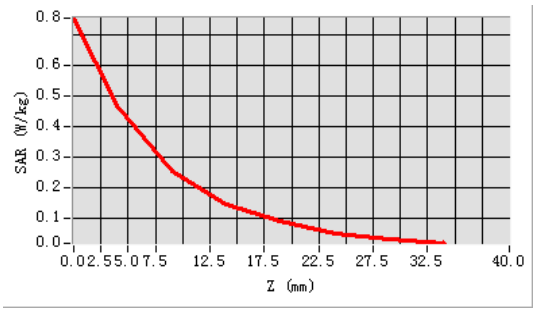
Plot 4: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-20
Probe	SN 14/16 EP309
ConvF	5.67
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	Bottom Edge
Band	GPRS 1900
Channels	High
Signal	Duty Cycle: 1:2.00 (Crest factor: 2.0)
Frequency (MHz)	1909.8
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	2.11

Maximum location: X=11.00, Y=-2.00

SAR Peak: 0.76 W/kg

SAR 10g (W/Kg)	0.246997
SAR 1g (W/Kg)	0.455285

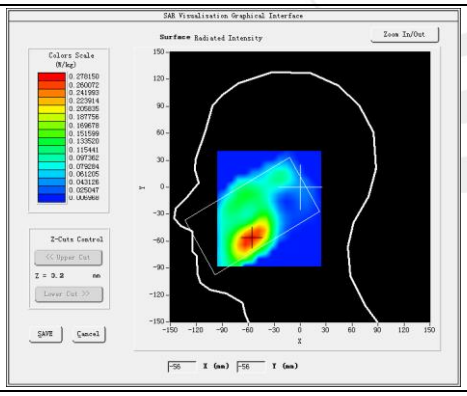
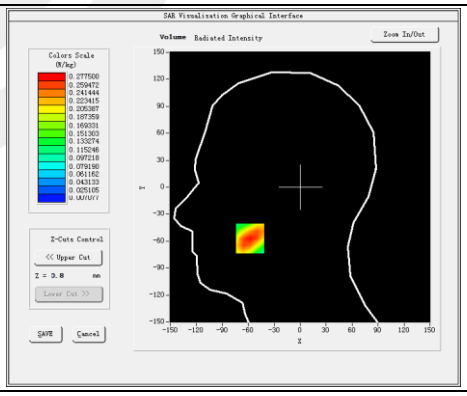
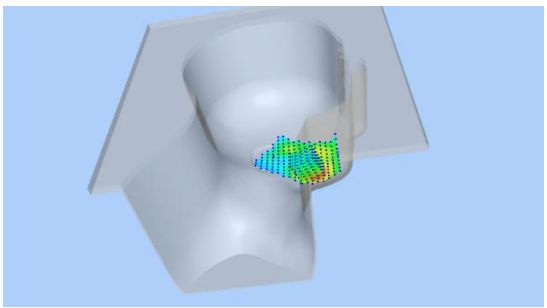
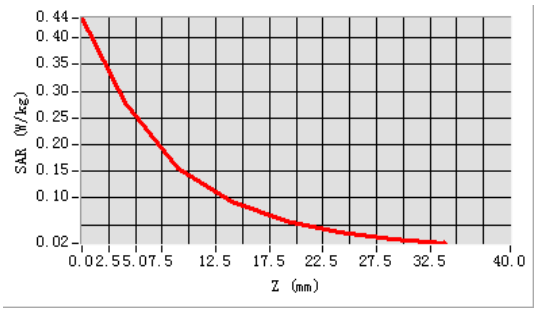
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 5: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-20
Probe	SN 14/16 EP309
ConvF	5.46
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	Left head
Device Position	Cheek
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1907.6
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	2.10

Maximum location: X=-58.00, Y=-57.00
SAR Peak: 0.44 W/kg

SAR 10g (W/Kg)	0.151677
SAR 1g (W/Kg)	0.270650

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

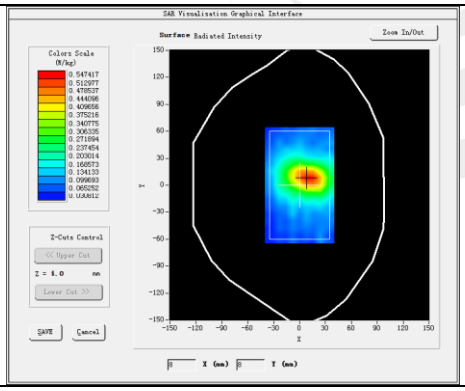
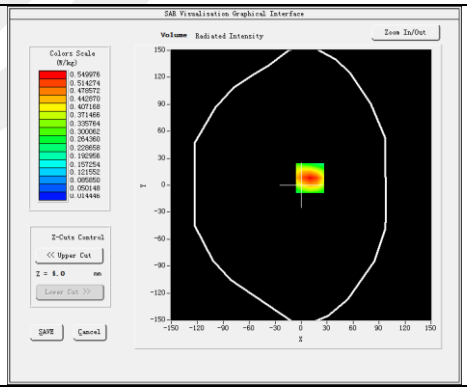
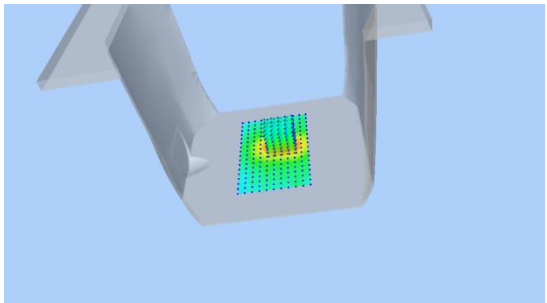
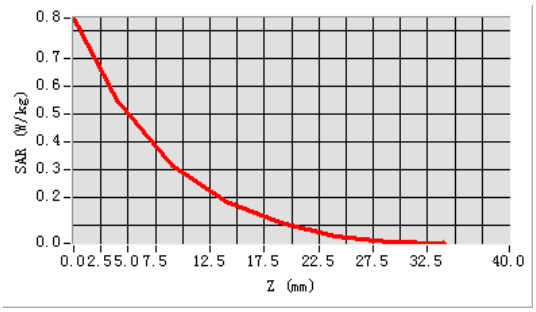
Plot 6: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-20
Probe	SN 14/16 EP309
ConvF	5.67
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	Bottom Edge
Band	WCDMA II
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1907.6
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	1.11

Maximum location: X=10.00, Y=8.00

SAR Peak: 0.84 W/kg

SAR 10g (W/Kg)	0.292877
SAR 1g (W/Kg)	0.527342

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

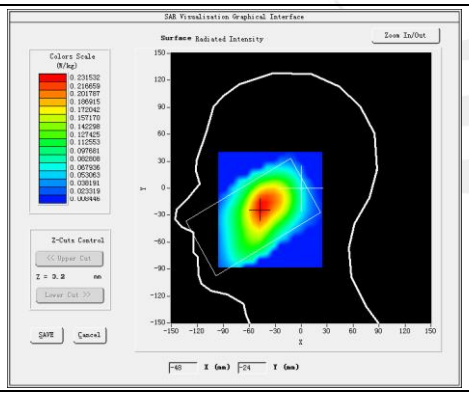
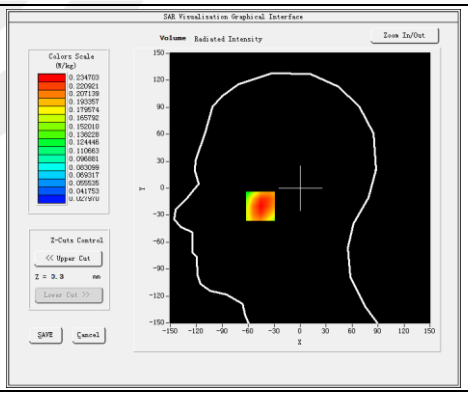
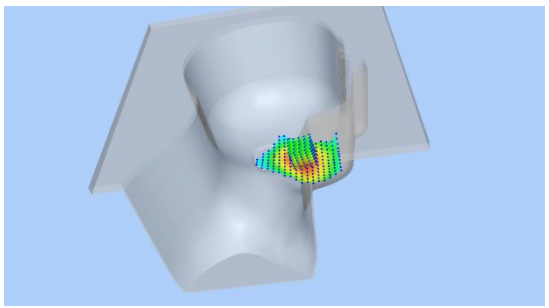
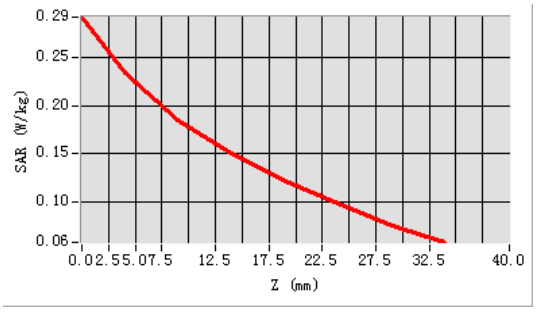
Plot 7: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-18
Probe	SN 14/16 EP309
ConvF	5.74
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	Left head
Device Position	Cheek
Band	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	846.6
Relative permittivity (real part)	41.50
Conductivity (S/m)	0.90
Variation (%)	-2.64

Maximum location: X=-46.00, Y=-20.00

SAR Peak: 0.29 W/kg

SAR 10g (W/Kg)	0.171936
SAR 1g (W/Kg)	0.230247

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

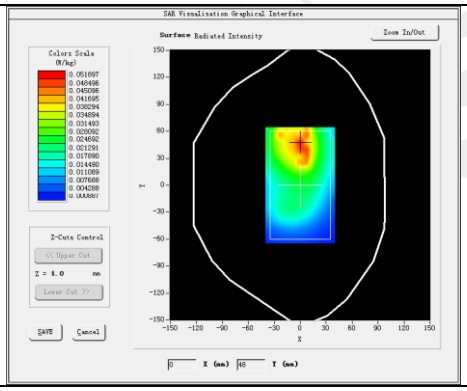
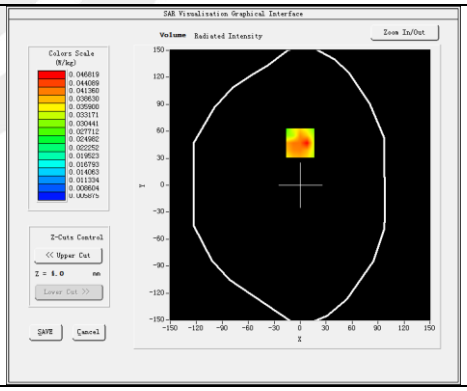
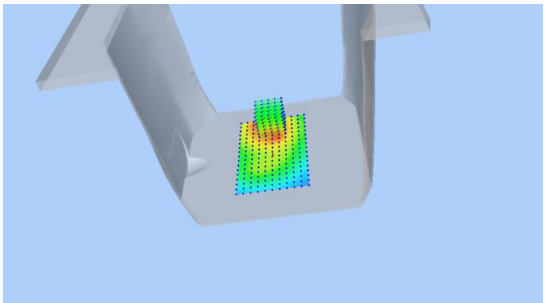
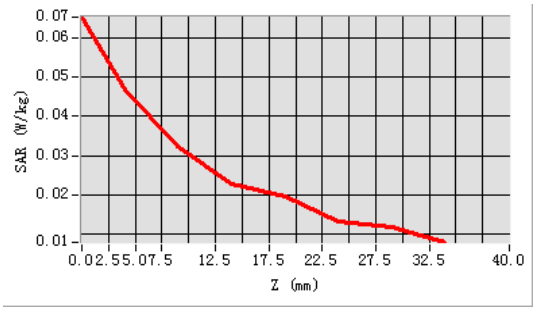
Plot 8: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-18
Probe	SN 14/16 EP309
ConvF	5.90
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	Front Side
Band	WCDMA V
Channels	High
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	846.6
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	1.85

Maximum location: X=0.00, Y=47.00

SAR Peak: 0.07 W/kg

SAR 10g (W/Kg)	0.030338
SAR 1g (W/Kg)	0.044145

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

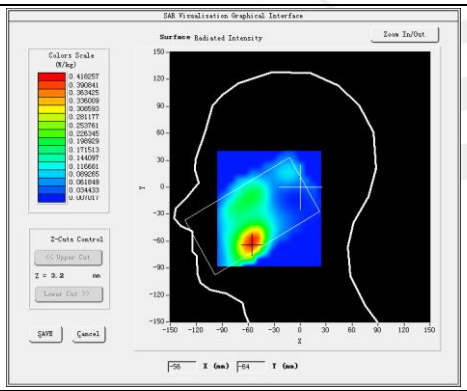
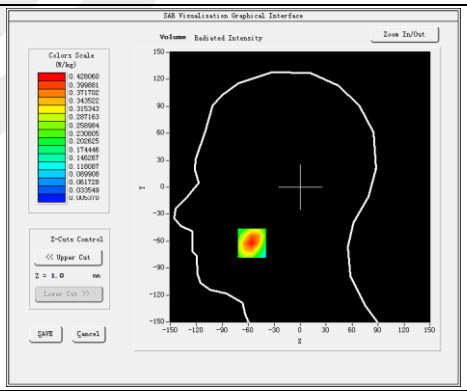
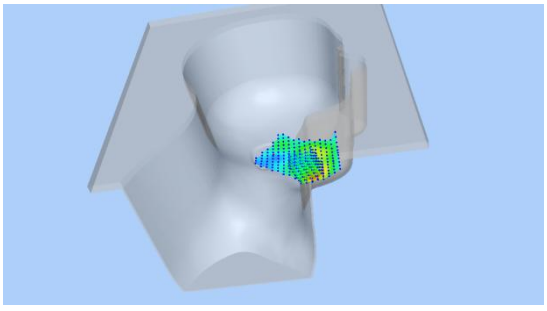
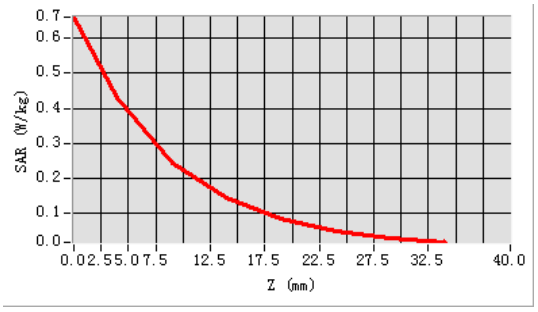
Plot 9: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-20
Probe	SN 14/16 EP309
ConvF	5.46
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	Left head
Device Position	Cheek
Band	LTE Band 2 (RB 1)
Channels	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1900
Relative permittivity (real part)	40.00
Conductivity (S/m)	1.40
Variation (%)	-3.85

Maximum location: X=-56.00, Y=-62.00

SAR Peak: 0.67 W/kg

SAR 10g (W/Kg)	0.220160
SAR 1g (W/Kg)	0.406371

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

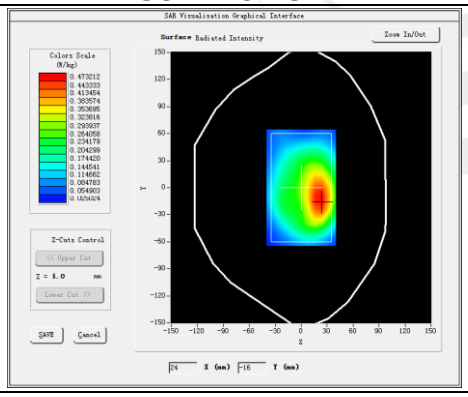
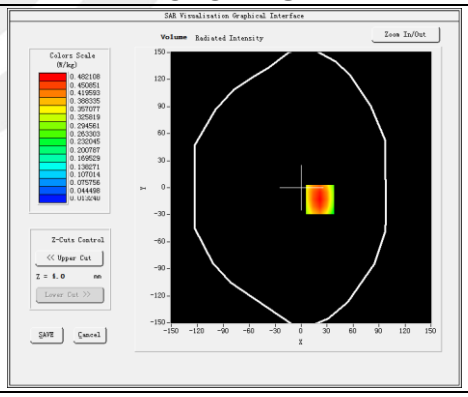
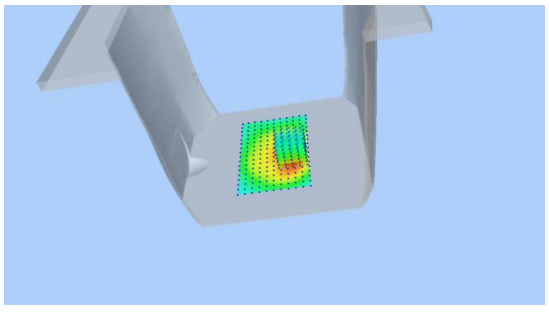
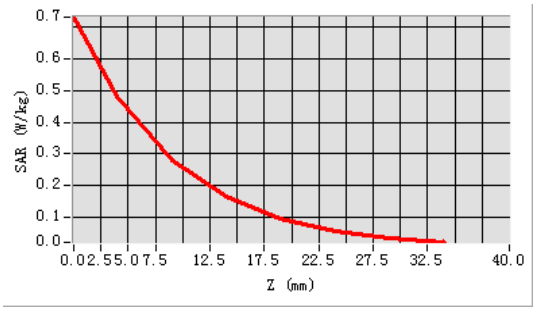
Plot 10: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-20
Probe	SN 14/16 EP309
ConvF	5.67
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	High
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1900
Relative permittivity (real part)	53.30
Conductivity (S/m)	1.52
Variation (%)	-0.66

Maximum location: X=22.00, Y=-13.00

SAR Peak: 0.73 W/kg

SAR 10g (W/Kg)	0.270918
SAR 1g (W/Kg)	0.463371

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

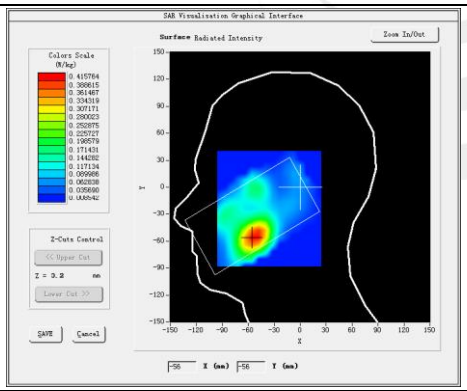
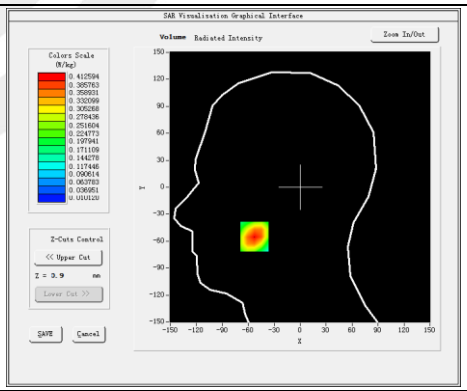
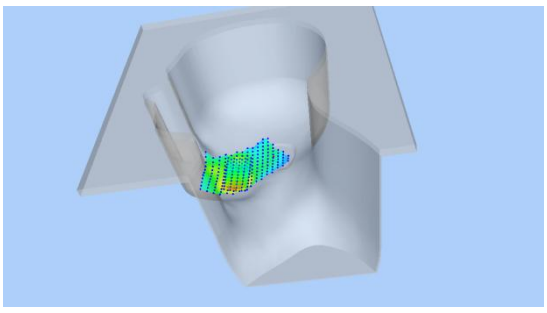
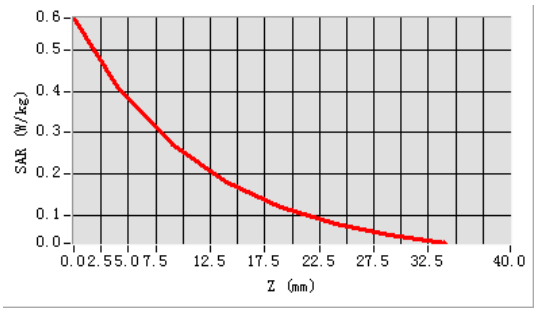
Plot 11: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-19
Probe	SN 14/16 EP309
ConvF	4.69
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)	40.00
Conductivity (S/m)	1.40
Variation (%)	2.53

Maximum location: X=-53.00, Y=-55.00

SAR Peak: 0.58 W/kg

SAR 10g (W/Kg)	0.233602
SAR 1g (W/Kg)	0.391366

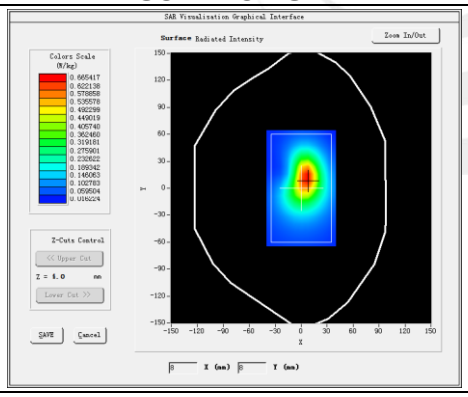
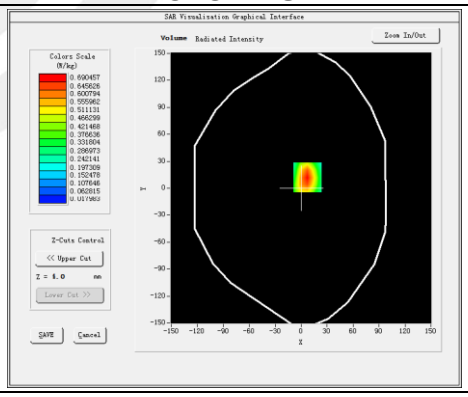
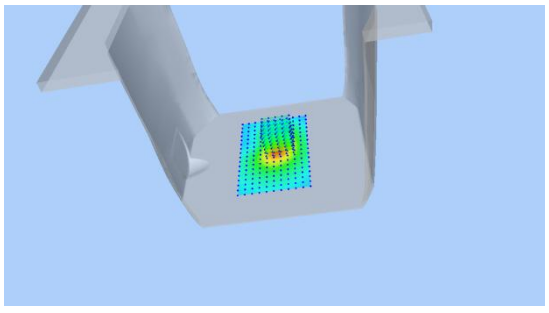
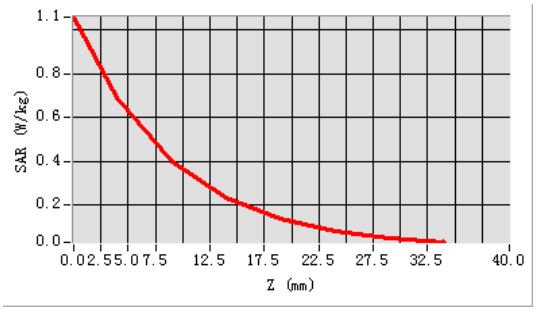
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 12: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-19
Probe	SN 14/16 EP309
ConvF	4.78
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)	53.30
Conductivity (S/m)	1.52
Variation (%)	3.41

Maximum location: X=7.00, Y=12.00
SAR Peak: 1.06 W/kg

SAR 10g (W/Kg)	0.356629
SAR 1g (W/Kg)	0.634038

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

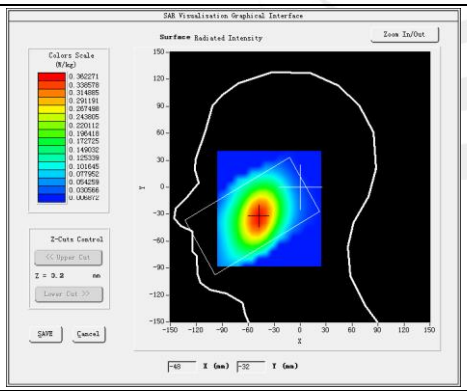
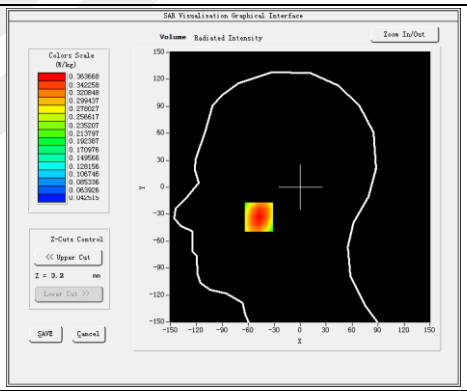
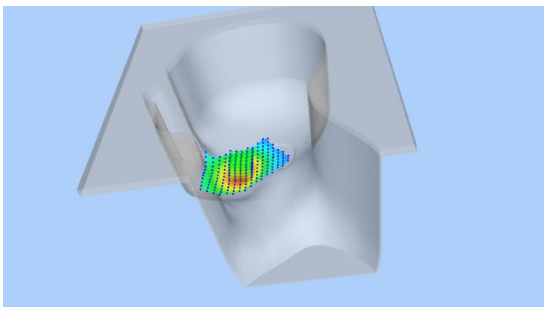
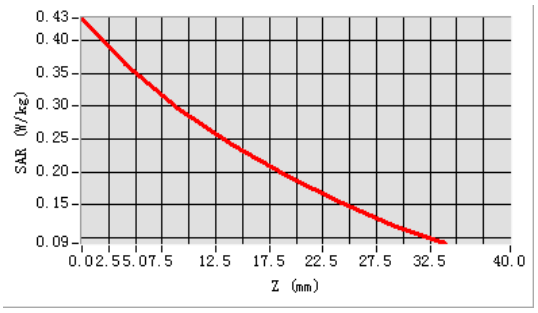
Plot 13: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-18
Probe	SN 14/16 EP309
ConvF	5.74
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	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)	41.50
Conductivity (S/m)	0.90
Variation (%)	-3.33

Maximum location: X=-48.00, Y=-33.00

SAR Peak: 0.43 W/kg

SAR 10g (W/Kg)	0.266609
SAR 1g (W/Kg)	0.354844

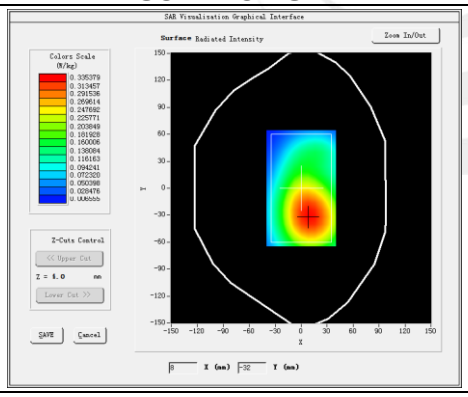
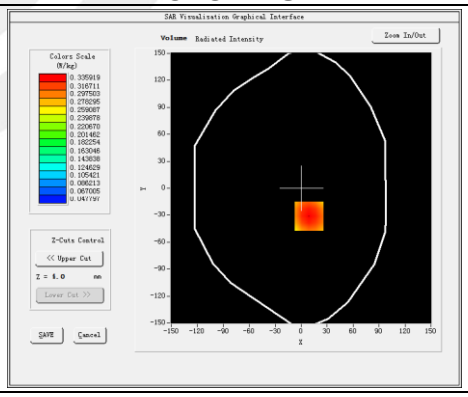
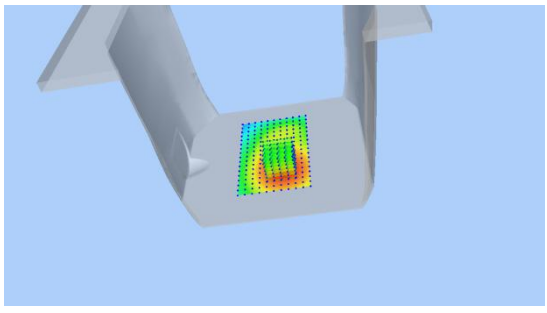
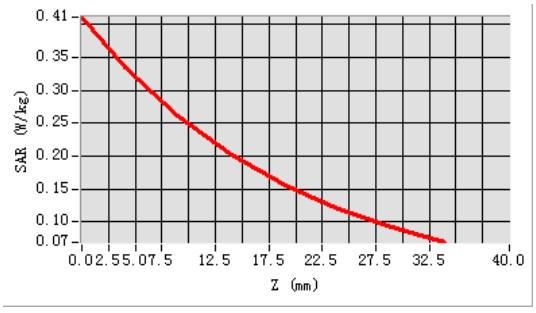
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 14: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-18
Probe	SN 14/16 EP309
ConvF	5.90
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	Front Side
Band	LTE Band 5 (RB 1)
Channels	Middle
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	836.5
Relative permittivity (real part)	55.20
Conductivity (S/m)	0.97
Variation (%)	1.61

Maximum location: X=9.00, Y=-31.00
SAR Peak: 0.41 W/kg

SAR 10g (W/Kg)	0.243430
SAR 1g (W/Kg)	0.327787

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

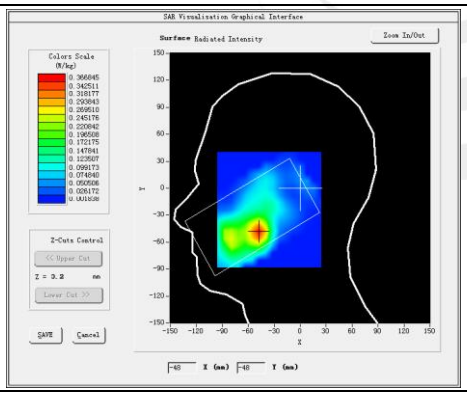
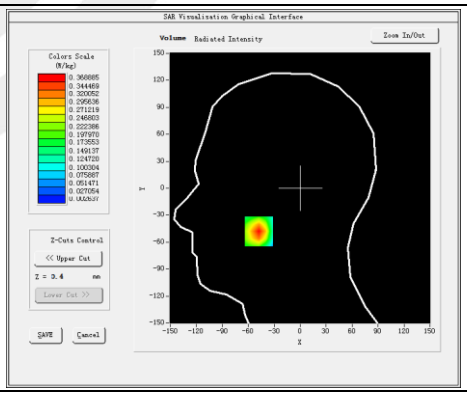
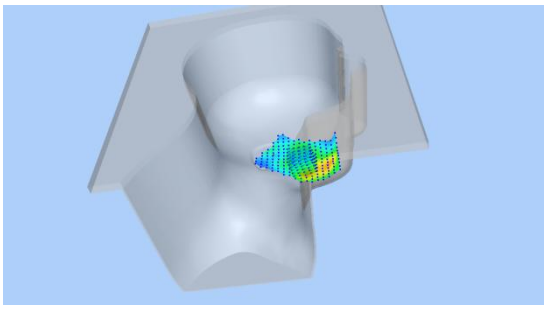
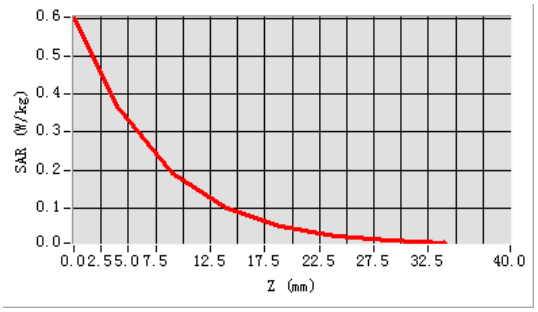
Plot 15: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-23
Probe	SN 14/16 EP309
ConvF	4.96
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	Left 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)	39.00
Conductivity (S/m)	1.96
Variation (%)	0.17

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

SAR Peak: 0.61 W/kg

SAR 10g (W/Kg)	0.169517
SAR 1g (W/Kg)	0.346297

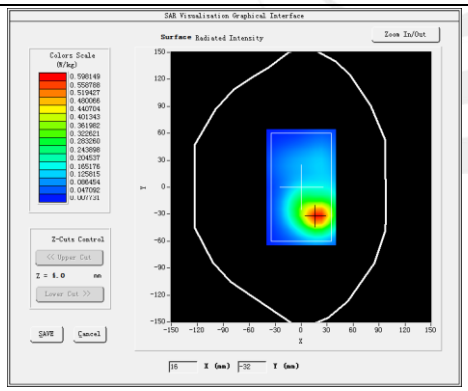
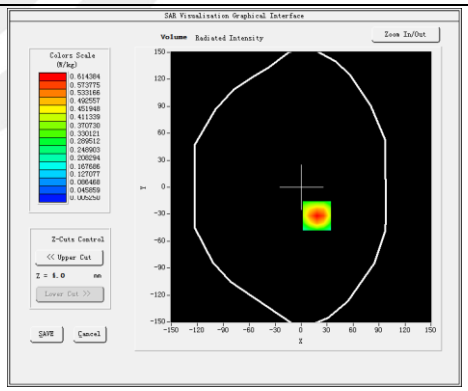
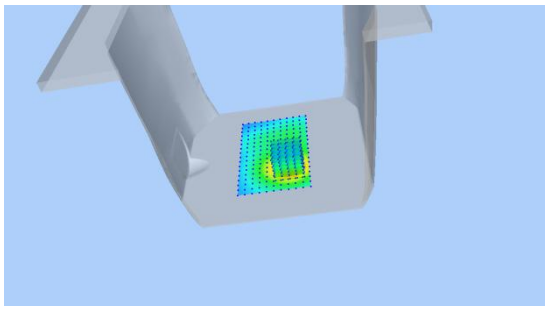
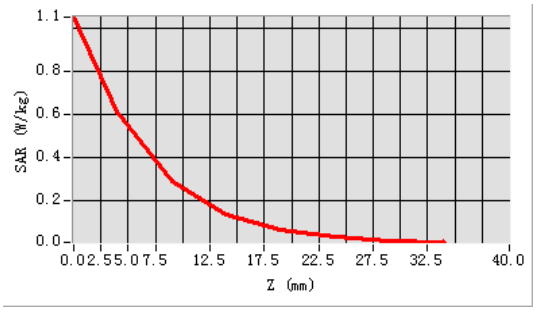
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 16: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-23
Probe	SN 14/16 EP309
ConvF	5.07
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)	52.50
Conductivity (S/m)	2.16
Variation (%)	-0.09

Maximum location: X=18.00, Y=-32.00
SAR Peak: 1.05 W/kg

SAR 10g (W/Kg)	0.286929
SAR 1g (W/Kg)	0.585334

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

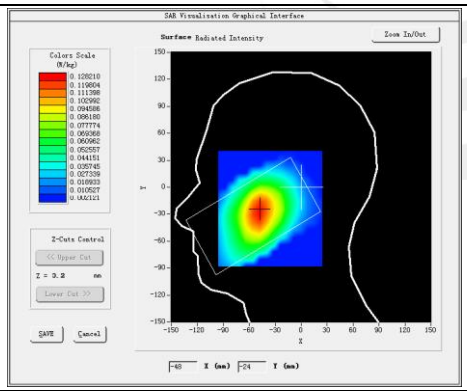
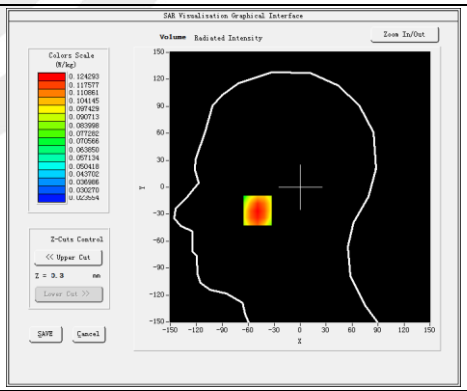
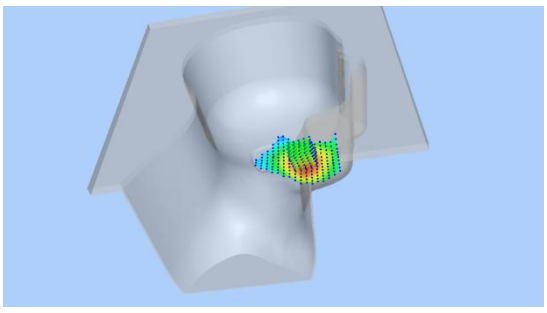
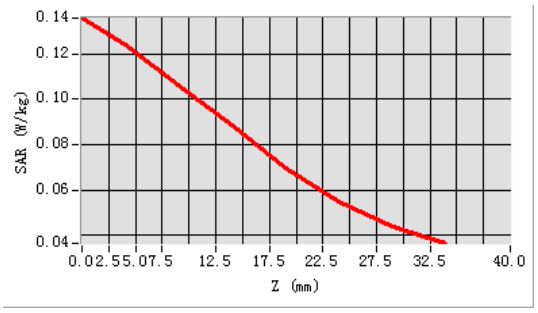
Plot 17: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-17
Probe	SN 14/16 EP309
ConvF	5.11
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	Left head
Device Position	Cheek
Band	LTE Band 12 (RB 1)
Channels	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	704
Relative permittivity (real part)	41.90
Conductivity (S/m)	0.89
Variation (%)	-2.08

Maximum location: X=-49.00, Y=-26.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.094982
SAR 1g (W/Kg)	0.122288

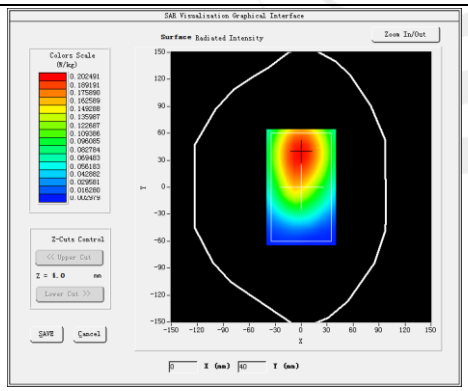
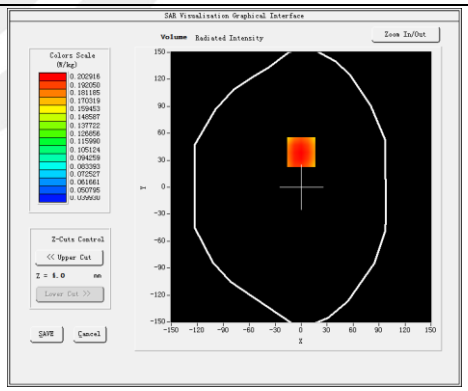
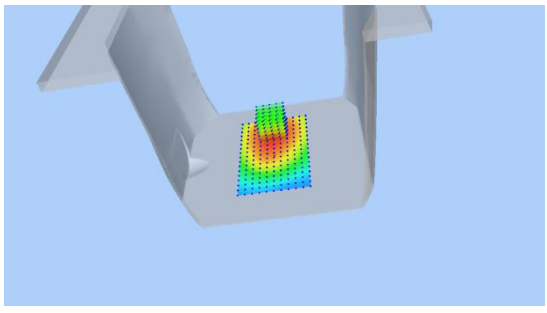
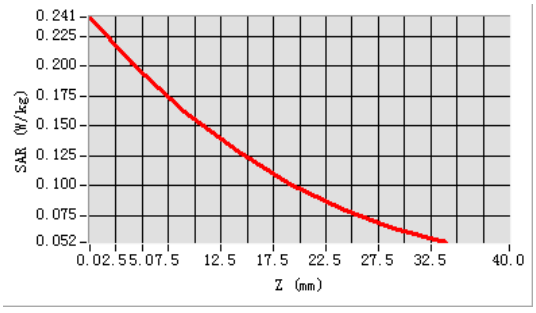
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 18: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-17
Probe	SN 14/16 EP309
ConvF	5.28
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	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	704
Relative permittivity (real part)	55.50
Conductivity (S/m)	0.96
Variation (%)	-1.95

Maximum location: X=0.00, Y=39.00
SAR Peak: 0.24 W/kg

SAR 10g (W/Kg)	0.153550
SAR 1g (W/Kg)	0.201199

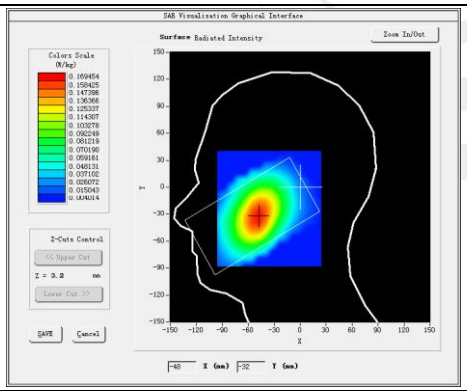
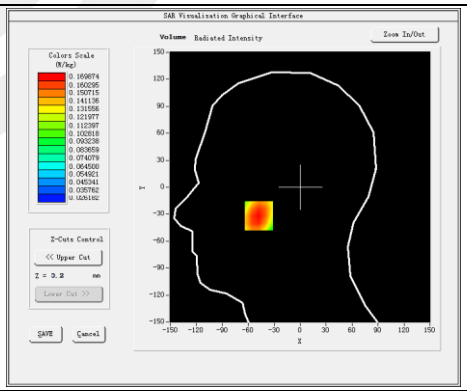
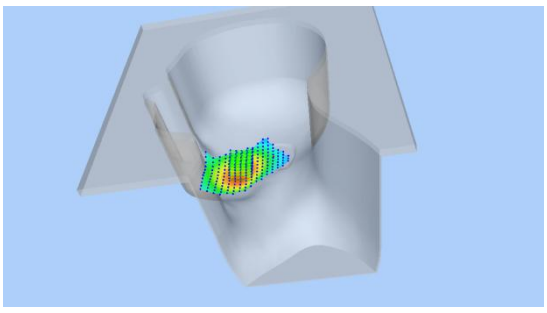
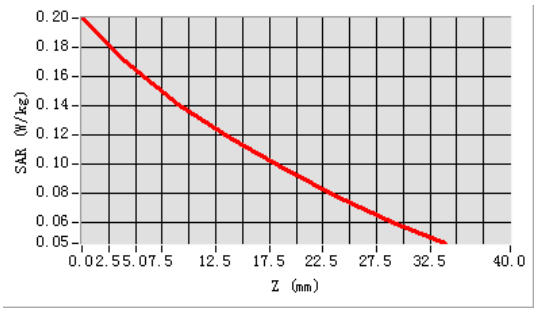
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 19: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-17
Probe	SN 14/16 EP309
ConvF	5.11
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	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709
Relative permittivity (real part)	41.90
Conductivity (S/m)	0.89
Variation (%)	0.51

Maximum location: X=-48.00, Y=-32.00
SAR Peak: 0.20 W/kg

SAR 10g (W/Kg)	0.129787
SAR 1g (W/Kg)	0.169511

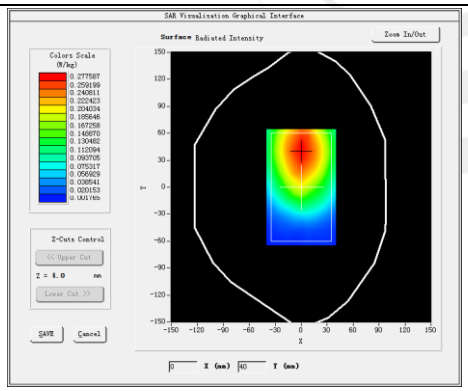
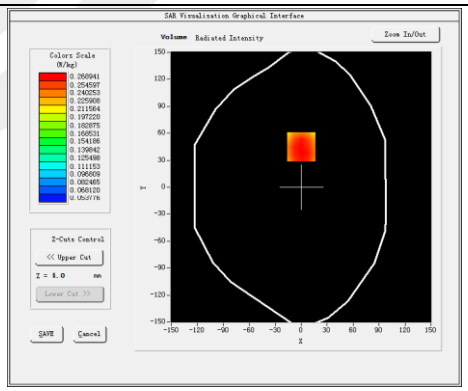
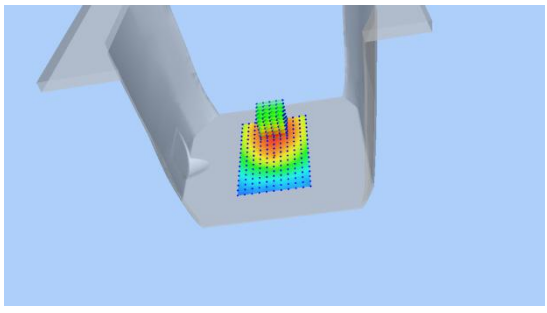
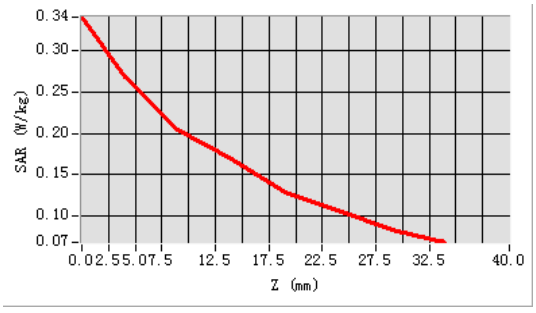
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 20: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-17
Probe	SN 14/16 EP309
ConvF	5.28
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	Low
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	709
Relative permittivity (real part)	55.50
Conductivity (S/m)	0.96
Variation (%)	-3.52

Maximum location: X=0.00, Y=45.00
SAR Peak: 0.34 W/kg

SAR 10g (W/Kg)	0.201765
SAR 1g (W/Kg)	0.267669

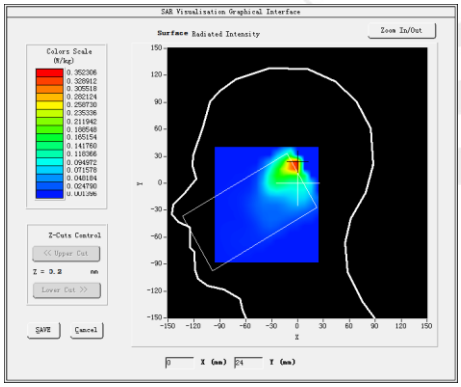
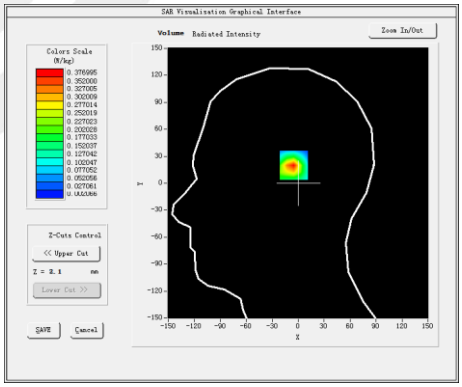
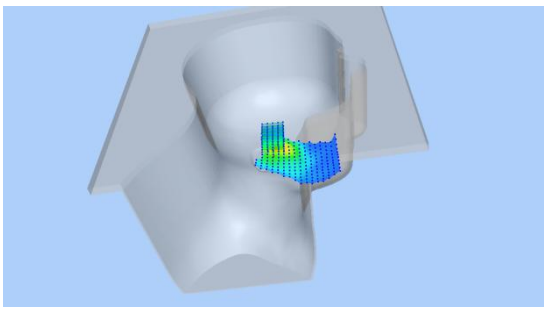
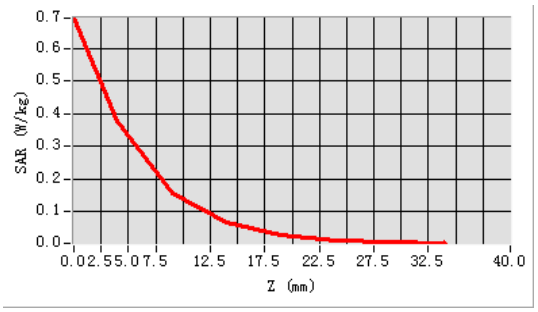
SURFACE SAR	VOLUME SAR
	
3D screen shot	**Z Axis Scan**
	

Plot 21: DUT:Fxter QX1000; EUT Model: T5-MB-P3

Test Date	2019-09-21
Probe	SN 14/16 EP309
ConvF	5.09
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	Left head
Device Position	Cheek
Band	IEEE 802.11b ISM
Channels	High
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	39.20
Conductivity (S/m)	1.80
Variation (%)	-1.22

Maximum location: X=0.00, Y=22.00
SAR Peak: 0.70 W/kg

SAR 10g (W/Kg)	0.148011
SAR 1g (W/Kg)	0.349187

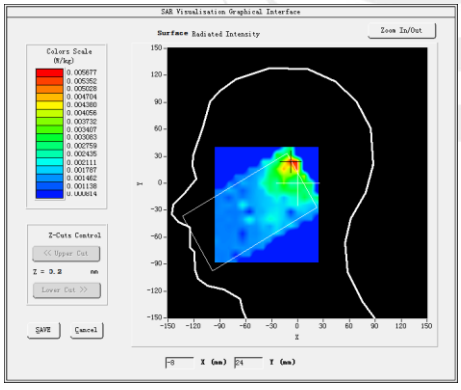
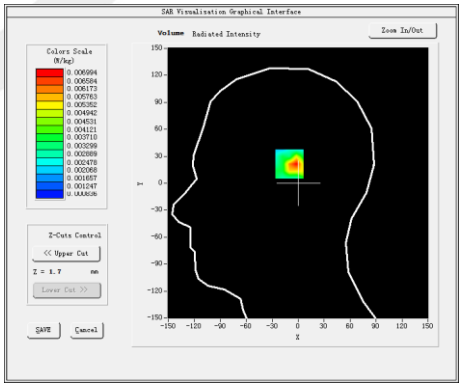
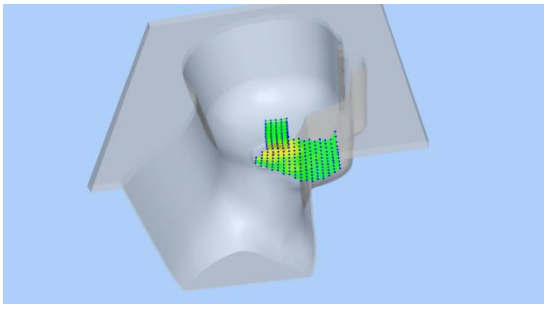
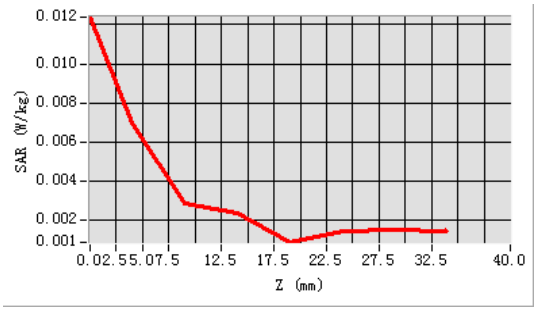
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 22: DUT:Smart Phone; EUT Model: TE610

Test Date	2019-09-21
Probe	SN 14/16 EP309
ConvF	5.09
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	Left head
Device Position	Cheek
Band	Bluetooth
Channels	High
Signal	Bluetooth (Crest factor: 1.0)
Frequency (MHz)	2480
Relative permittivity (real part)	39.20
Conductivity (S/m)	1.80
Variation (%)	3.77

Maximum location: X=-7.00, Y=24.00
SAR Peak: 0.01 W/kg

SAR 10g (W/Kg)	0.003491
SAR 1g (W/Kg)	0.006641

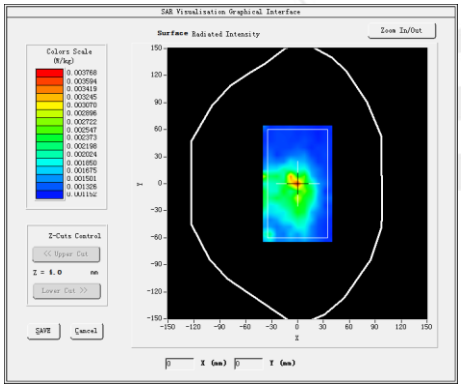
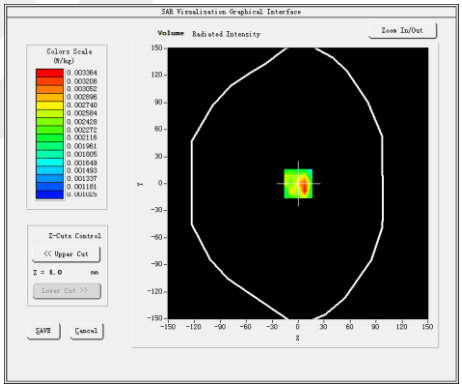
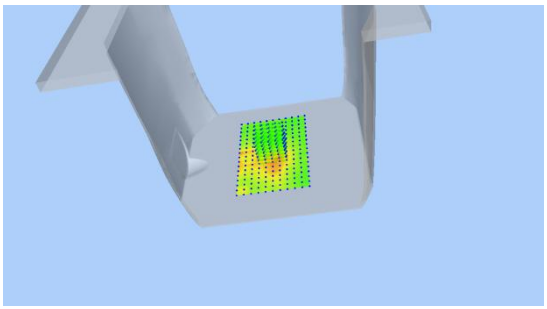
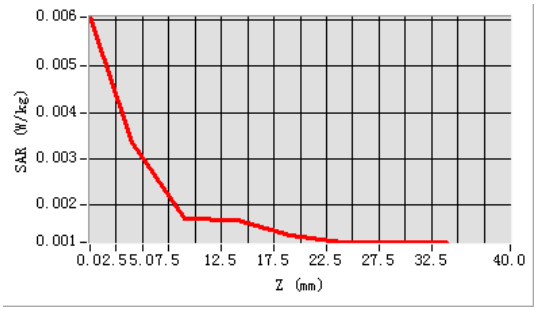
SURFACE SAR	VOLUME SAR
	
3D	**Z Axis Scan**
	

Plot 23: DUT: Smart Phone; EUT Model: TE610

Test Date	2019-09-21
Probe	SN 14/16 EP309
ConvF	5.24
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	Front Side
Band	Bluetooth
Channels	High
Signal	Bluetooth (Crest factor: 1.0)
Frequency (MHz)	2480
Relative permittivity (real part)	52.70
Conductivity (S/m)	1.95
Variation (%)	-2.29

Maximum location: X=0.00, Y=0.00
SAR Peak: 0.01 W/g

SAR 10g (W/Kg)	0.002049
SAR 1g (W/Kg)	0.003203

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※※※※※