



Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	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	1900	0.614	1.24	25	24.59	0.675	6
			50	0	Front side	1900	0.558	-3.06	24.5	24.34	0.579	/
			1	0	Back Side	1900	0.259	-2.05	25	24.59	0.285	/
			50	0	Back Side	1900	0.240	0.36	24.5	24.34	0.249	/
			1	0	Left Side	1900	0.127	1.04	25	24.59	0.140	/
			50	0	Left Side	1900	0.121	-2.66	24.5	24.34	0.126	/
LTE Band 4	20M	QPSK	1	0	Front side	1720	0.815	0.29	25	24.29	0.960	/
			1	0	Front side	1732.5	0.786	-3.42	25	24.35	0.913	/
			1	0	Front side	1745	0.978	-1.33	25	24.56	1.082	7
			50	0	Front side	1745	0.819	-1.24	24.5	24.11	0.896	/
			1	0	Back Side	1745	0.432	3.28	25	24.56	0.478	/
			50	0	Back Side	1745	0.405	-3.23	24.5	24.11	0.443	/
			1	0	Left Side	1745	0.222	0.47	25	24.56	0.246	/
			50	0	Left Side	1745	0.210	-2.51	24.5	24.11	0.230	/
LTE Band 5	10M	QPSK	1	0	Front side	844	0.236	-0.16	24.5	24.03	0.263	8
			25	0	Front side	844	0.197	0.04	24	23.81	0.206	/
			1	0	Back Side	844	0.127	-3.35	24.5	24.03	0.142	/
			25	0	Back Side	844	0.114	2.21	24	23.81	0.119	/
			1	0	Left Side	844	0.089	3.80	24.5	24.03	0.099	/
			25	0	Left Side	844	0.077	-1.37	24	23.81	0.080	/
LTE Band 7	10M	QPSK	1	0	Front side	2510	0.817	3.75	25	24.22	0.978	/
			1	0	Front side	2535	0.799	-3.45	25	24.32	0.934	/
			1	0	Front side	2560	0.974	-3.94	25	24.55	1.080	9
			50	0	Front side	2560	0.905	-2.76	24.5	24.4	0.926	/
			1	0	Back Side	2560	0.433	-2.69	25	24.55	0.480	/
			50	0	Back Side	2560	0.421	2.31	24.5	24.4	0.431	/
			1	0	Left Side	2560	0.227	-0.80	25	24.55	0.252	/
			50	0	Left Side	2560	0.220	0.24	24.5	24.4	0.225	/
LTE Band 12	10M	QPSK	1	0	Front side	711	0.631	2.40	25	24.69	0.678	10
			25	0	Front side	707.5	0.599	2.00	24.5	24.33	0.623	/
			1	0	Back Side	711	0.287	2.87	25	24.69	0.308	/
			25	0	Back Side	707.5	0.265	-0.32	24.5	24.33	0.276	/
			1	0	Left Side	711	0.139	0.57	25	24.69	0.149	/
			25	0	Left Side	707.5	0.124	2.59	24.5	24.33	0.129	/



LTE Band 13	10M	QPSK	1	0	Front side	782	0.730	-0.12	24.5	24.23	0.777	11
			25	0	Front side	782	0.712	3.03	24	23.87	0.734	/
			1	0	Back Side	782	0.328	-3.62	24.5	24.23	0.349	/
			25	0	Back Side	782	0.306	-3.28	24	23.87	0.315	/
			1	0	Left Side	782	0.154	1.64	24.5	24.23	0.164	/
			25	0	Left Side	782	0.150	3.25	24	23.87	0.155	/
LTE Band 25	20M	QPSK	1	0	Front side	1905	0.611	3.96	24.5	24.13	0.665	12
			50	0	Front side	1882.5	0.584	-0.72	24	23.85	0.605	/
			1	0	Back Side	1905	0.309	-0.48	24.5	24.13	0.336	/
			50	0	Back Side	1882.5	0.287	0.57	24	23.85	0.297	/
			1	0	Left Side	1905	0.161	-3.23	24.5	24.13	0.175	/
			50	0	Left Side	1882.5	0.157	-1.18	24	23.85	0.163	/
LTE Band 26	15M	QPSK	1	0	Front side	841.5	0.603	3.79	24.5	24.22	0.643	13
			36	0	Front side	841.5	0.574	1.41	24	23.93	0.583	/
			1	0	Back Side	841.5	0.237	-0.14	24.5	24.22	0.253	/
			36	0	Back Side	841.5	0.224	-2.44	24	23.93	0.228	/
			1	0	Left Side	841.5	0.121	1.12	24.5	24.22	0.129	/
			36	0	Left Side	841.5	0.109	1.74	24	23.93	0.111	/
LTE Band 38	20M	QPSK	1	0	Front side	2610	0.614	-1.76	24	23.99	0.615	14
			50	0	Front side	2610	0.585	0.13	24	23.8	0.613	/
			1	0	Back Side	2610	0.224	1.00	24	23.99	0.225	/
			50	0	Back Side	2610	0.207	-2.97	24	23.8	0.217	/
			1	0	Left Side	2610	0.131	-3.63	24	23.99	0.131	/
			50	0	Left Side	2610	0.120	2.87	24	23.8	0.126	/
LTE Band 41	20M	QPSK	1	0	Front side	2680	0.707	-3.47	24.5	24.06	0.782	15
			50	0	Front side	2680	0.669	-2.14	24	23.82	0.697	/
			1	0	Back Side	2680	0.254	-2.27	24.5	24.06	0.281	/
			50	0	Back Side	2680	0.233	3.76	24	23.82	0.243	/
			1	0	Left Side	2680	0.157	0.61	24.5	24.06	0.174	/
			50	0	Left Side	2680	0.148	0.75	24	23.82	0.154	/



Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas.No.
2.4GHz WLAN ANT1	802.11b	Front Side	2412	0.215	-2.21	13.50	13.02	0.240	/
		Back Side	2412	0.440	-3.41	13.50	13.02	0.491	16
		Top Side	2412	0.121	1.34	13.50	13.02	0.135	/
2.4GHz WLAN ANT2	802.11b	Front Side	2412	0.135	-1.27	14.50	14.22	0.144	/
		Back Side	2412	0.298	3.64	14.50	14.22	0.318	17
		Top Side	2412	0.087	-1.79	14.50	14.22	0.093	/
2.4GHz WLAN MIMO_ANT1	802.11 n-HT40	Front Side	2422	0.253	2.38	14.00	13.93	0.257	/
		Back Side	2422	0.400	-0.88	14.00	13.93	0.406	18
		Top Side	2422	0.137	-2.69	14.00	13.93	0.139	/
2.4GHz WLAN MIMO_ANT2	802.11 n-HT40	Front Side	2422	0.059	3.25	14.00	13.93	0.060	/
		Back Side	2422	0.103	1.04	14.00	13.93	0.105	19
		Top Side	2422	0.042	-3.59	14.00	13.93	0.043	/

Band	ANT	Max SAR	2.4G WLAN_ANT_A+B
		(W/Kg)	
2.4G WLAN_ANT_1+2	ANT 1	0.406	0.511
	ANT 2	0.105	

Note:

- The test separation of all above table is 0mm.
- Per KDB 447498 D04, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - 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.
 - Scaled SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
- 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 **0.424** W/Kg for Body)
- 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.

**Repeated SAR**

Band	Mode	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR(W/Kg)	Meas. No.
GSM1900	GPRS Data-4 Slot	Front Side	1850.2	0.983	0.97	28	27.6	1.078	-
		Front Side	1880	0.778	0.77	28	27.55	0.863	-
		Front Side	1909.8	0.679	0.65	28	27.47	0.767	-

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Result 1g (W/Kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR(W/Kg)	Meas. No.
LTE Band 4	20M	QPSK	1	0	Front side	1720	0.815	3.69	25	24.29	0.960	-
			1	0	Front side	1732.5	0.786	-2.78	25	24.35	0.913	-
			1	0	Front side	1745	0.978	1.51	25	24.56	1.082	-
LTE Band 7	10M	QPSK	1	0	Front side	2510	0.817	1.45	25	24.22	0.978	-
			1	0	Front side	2535	0.799	-1.05	25	24.32	0.934	-
			1	0	Front side	2560	0.974	-1.67	25	24.55	1.080	-

**Repeated SAR measurement**

Band	Mode	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio	Original Measured SAR 1g(W/kg)	2nd Repeated SAR 1g	Ratio
GSM1900	GPRS Data-4 Slot	Front Side	1850.2	0.983	0.970	1.013	-	-	-
		Front Side	1880	0.778	0.766	1.016	-	-	-
		Front Side	1909.8	0.679	0.654	1.038	-	-	-

Band	BW (MHz)	Mod.	RB Size	RB offset	Test Position	Freq.	Original Measured SAR 1g(W/kg) 1g (W/Kg)	1 st Repeated SAR 1g	Ratio	Original Measured	2nd Repeated SAR 1g	Ratio
LTE Band 4	20M	QPSK	1	0	Front side	1720	0.815	0.792	1.029			
			1	0	Front side	1732.5	0.786	0.762	1.031	-	-	-
			1	0	Front side	1745	0.978	0.951	1.028	-	-	-
LTE Band 7	10M	QPSK	1	0	Front side	2510	0.817	0.803	1.017			
			1	0	Front side	2535	0.799	0.795	1.005	-	-	-
			1	0	Front side	2560	0.974	0.949	1.026	-	-	-

Note:

1. Per KDB 865664 D01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/Kg}$.
2. Per KDB 865664 D01,if the ratio of largest to smallest SAR for the original and first repeated measurement is ≤ 1.2 and the measured SAR $< 1.45\text{W/Kg}$, only one repeated measurement is required.
3. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is $\geq 1.45\text{W/Kg}$.
4. The ratio is the difference in percentage between original and repeated measured SAR.

**Simultaneous Multi-band Transmission Evaluation:**

Application Simultaneous Transmission information:

Position	Simultaneous State
Body	1. GSM + 2.4GHz WLAN
	2. WCDMA + 2.4GHz WLAN
	3. LTE + 2.4GHz WLAN

NOTE:

1. 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. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
4. KDB 447498 Appendix E, 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:

$$SAR_{\text{rest}} = 1.6 \cdot P_{\text{ant}} / P_{\text{th}} \text{ [W/kg]}.$$

P_{ant} is maximum time-averaged power or effective radiated power (ERP), whichever is greater, and P_{th} is defined in Formula KDB 447498 (B.2).

Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
GSM + 2.4G WLAN	Body	GSM	1.078	1.699
		2.4G WLAN	0.511	
WCDMA + 2.4G WLAN	Body	WCDMA	0.627	1.138
		2.4G WLAN	0.511	
LTE + 2.4G WLAN	Body	LTE	1.082	1.593
		2.4G WLAN	0.511	

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

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	PC	Lenovo	G5005	MY42081102	N/A	N/A
2	SAR Measurement system	SATIMO	4014_01	SAR_4014_01	N/A	N/A
3	Signal Generator	Agilent	E4438C	MY49072627	2023-06-09	2024-06-08
4	S-parameter Network Analyzer	Agilent	8753ES	US38432944	2023-06-09	2024-06-08
5	Wideband Radio Communication Tester	R&S	CMW500	103818-1	2023-10-25	2024-10-24
6	E-Field PROBE	MVG	SSE2	SN 25/22 EPGO376	2023-06-22	2024-06-21
7	DIPOLE 750	SATIMO	SID 750	SN 07/14 DIP 0G750-302	2021-09-29	2024-09-28
8	DIPOLE 835	SATIMO	SID 835	SN 07/14 DIP 0G835-303	2021-09-29	2024-09-28
9	DIPOLE 1800	SATIMO	SID 1800	SN 07/14 DIP 1G800-301	2021-09-29	2024-09-28
10	DIPOLE 1900	SATIMO	SID 1900	SN 38/18 DIP 1G900-466	2021-09-22	2024-09-21
11	DIPOLE 2450	SATIMO	SID 2450	SN 07/14 DIP 2G450-306	2021-09-29	2024-09-28
12	DIPOLE 2600	SATIMO	SID 2600	SN 38/18 DIP 2G600-468	2021-09-22	2024-09-21
14	COMOSAR OPENCoaxial Probe	SATIMO	OCPG 68	SN 40/14 OCPG68	2023-10-25	2024-10-24
16	Communication Antenna	SATIMO	ANTA57	SN 39/14 ANTA57	2023-10-25	2024-10-24
17	FEATURE PHONEPOSITIONING DEVICE	SATIMO	MSH98	SN 40/14 MSH98	N/A	N/A
18	DUMMY PROBE	SATIMO	DP60	SN 03/14 DP60	N/A	N/A
19	SAM PHANTOM	SATIMO	SAM117	SN 40/14 SAM117	N/A	N/A
20	Liquid measurement Kit	HP	85033D	3423A03482	N/A	N/A
21	Power meter	Agilent	E4419B	MY45104493	2023-10-25	2024-10-24
22	Power meter	Agilent	E4419B	MY45100308	2023-10-25	2024-10-24
23	Power sensor	Agilent	E9301H	MY41495616	2023-10-25	2024-10-24
24	Power sensor	Agilent	E9301H	MY41495234	2023-10-25	2024-10-24
25	Directional Coupler	MCLI/USA	4426-20	03746	2023-06-09	2024-06-08



Appendix A. System Validation Plots

System Performance Check Data (750MHz)

Type: Phone measurement (Complete)

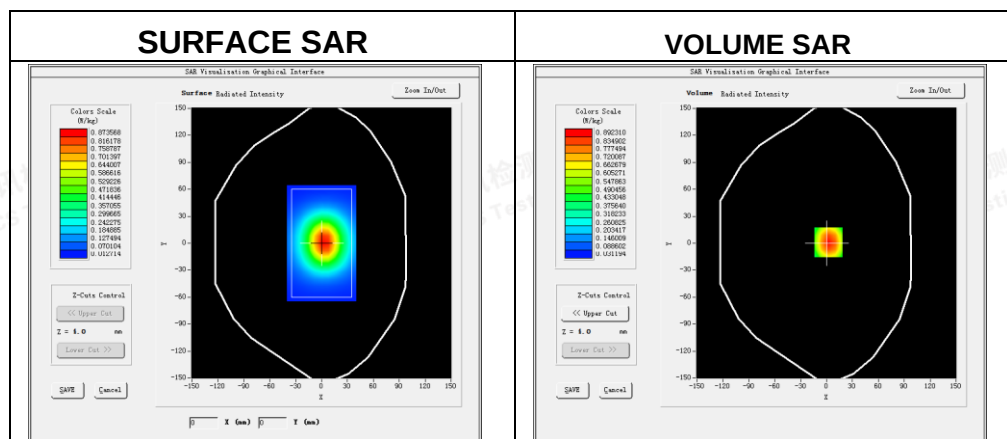
Area scan resolution: dx=15mm dy=15mm

Zoom scan resolution: 5x5x7,dx=8mm dy=8mm dz=5mm

Date of measurement: 2023-12-04

Experimental conditions

Phantom	Validation plane
Device Position	-
Band	750MHz
Channels	-
Signal	CW
Frequency (MHz)	750MHz
Relative permittivity	42.33
Conductivity (S/m)	0.87
Probe	SN 25/22 EPGO376
ConvF	1.69
Crest factor	1:1

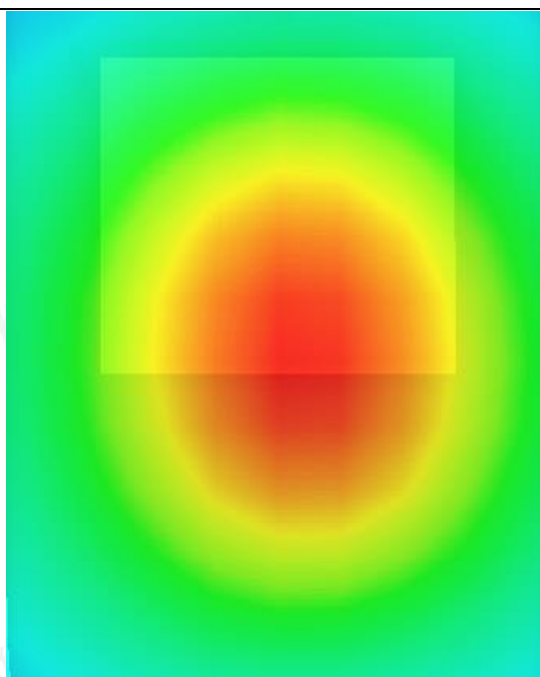
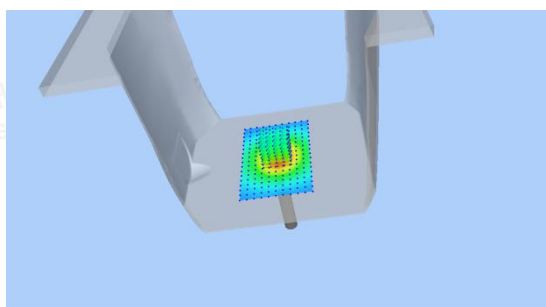
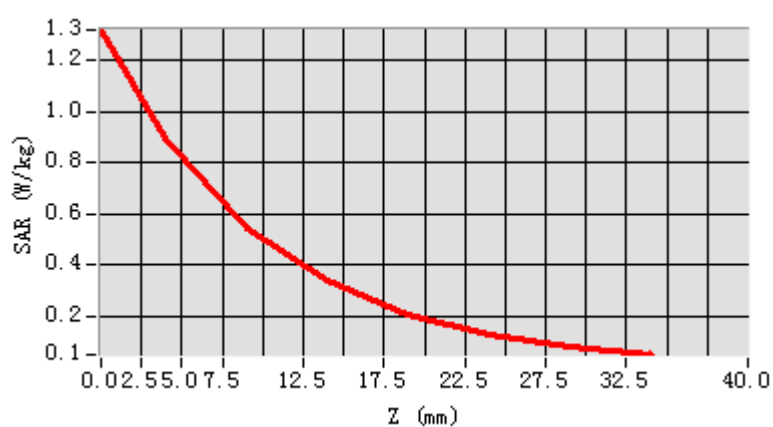


Maximum location: X=2.00, Y=1.00

SAR 10g (W/Kg)	0.559327
SAR 1g (W/Kg)	0.872725



Z Axis Scan





System Performance Check Data (835MHz)

Type: Phone measurement (Complete)

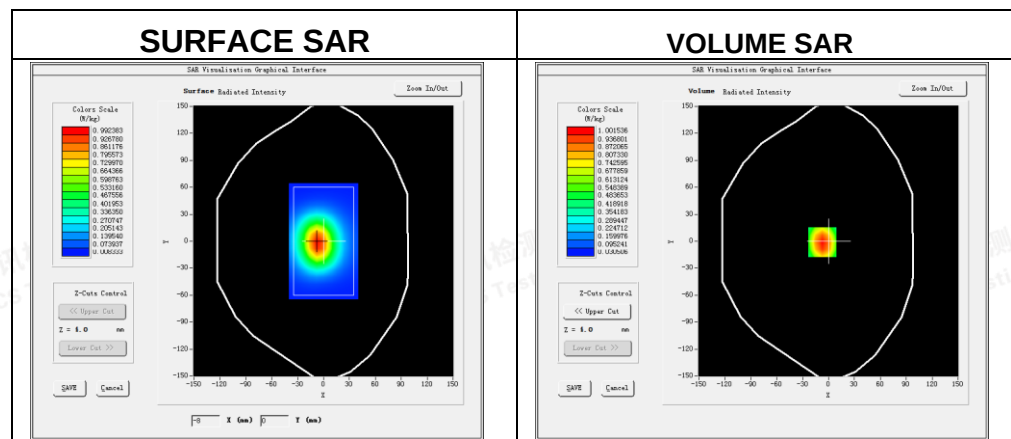
Area scan resolution: dx=15mm dy=15mm

Zoom scan resolution: 5x5x7,dx=8mm dy=8mm dz=5mm

Date of measurement: 2023-12-05

Experimental conditions

Phantom	Validation plane
Device Position	-
Band	835MHz
Channels	-
Signal	CW
Frequency (MHz)	835MHz
Relative permittivity	40.96
Conductivity (S/m)	0.91
Probe	SN 25/22 EPGO376
ConvF:	1.75
Crest factor:	1:1

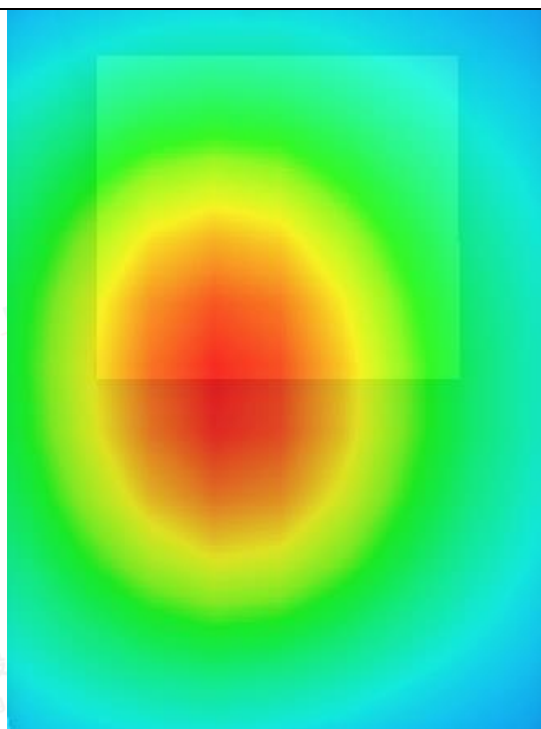
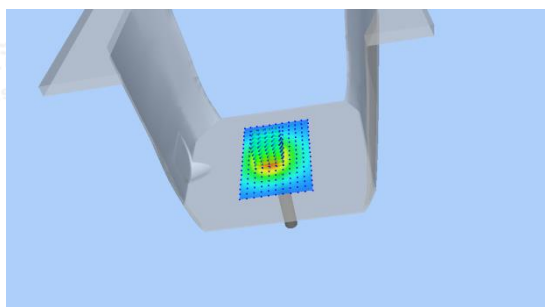
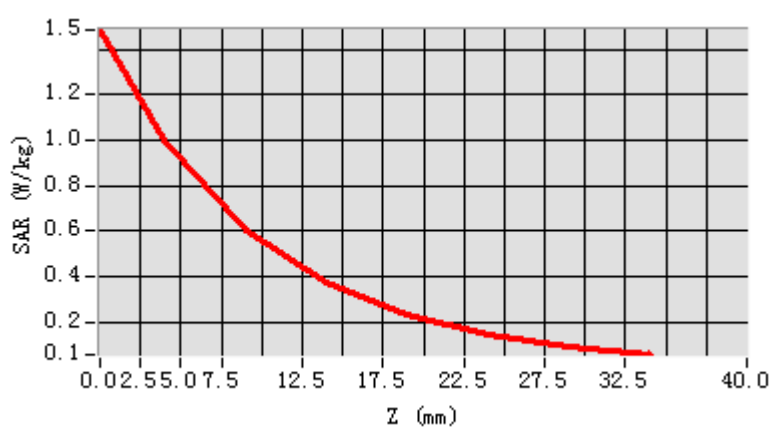


Maximum location: X=-7.00, Y=-1.00

SAR 10g (W/Kg)	0.625418
SAR 1g (W/Kg)	0.955315



Z Axis Scan



**System Performance Check Data(1800MHz)**

Type: Phone measurement (Complete)

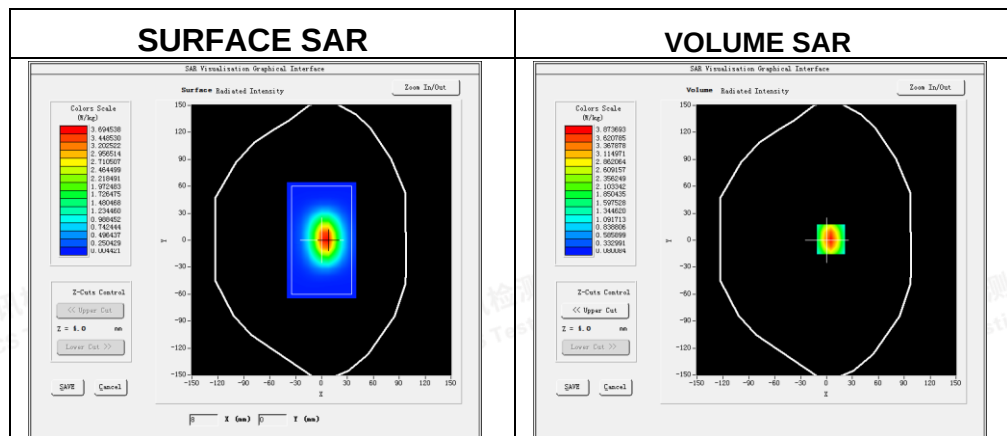
Area scan resolution: dx=15mm dy=15mm

Zoom scan resolution: 5x5x7,dx=8mm dy=8mm dz=5mm

Date of measurement: 2023-12-06

Experimental conditions.

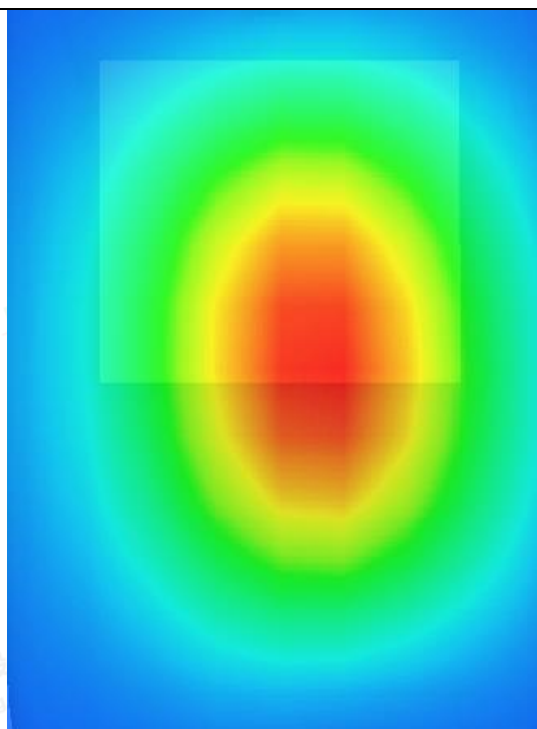
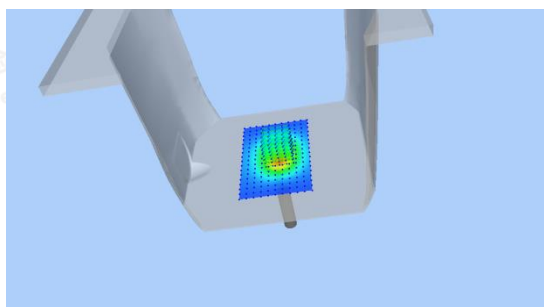
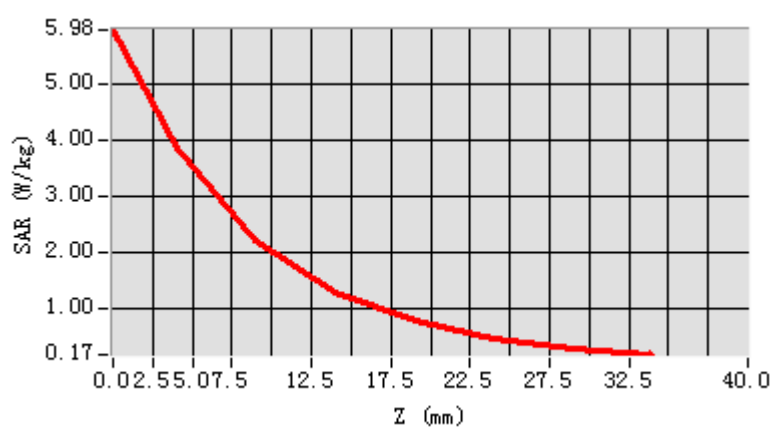
Phantom	Validation plane
Device Position	-
Band	1800MHz
Channels	-
Signal	CW
Frequency (MHz)	1800MHz
Relative permittivity	41.18
Conductivity (S/m)	1.39
Probe	SN 25/22 EPG0376
ConvF	2.09
Crest factor:	1:1

**Maximum location: X=5.00, Y=1.00**

SAR 10g (W/Kg)	2.198752
SAR 1g (W/Kg)	3.709690



Z Axis Scan





System Performance Check Data (1900MHz)

Type: Phone measurement (Complete)

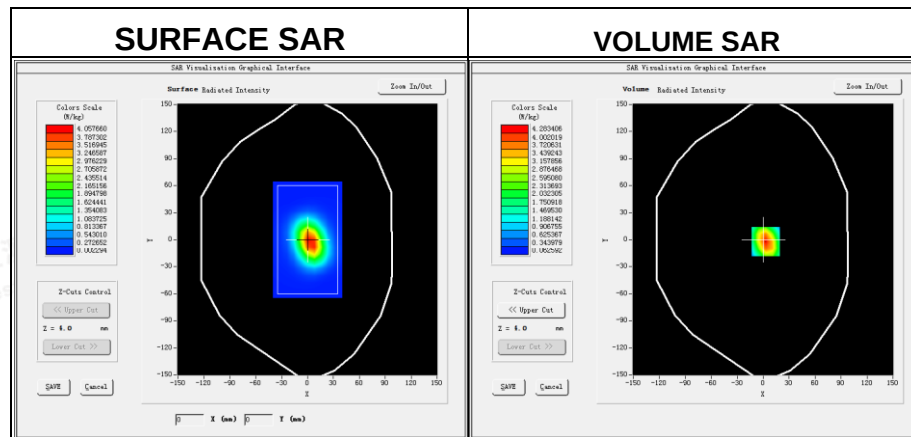
Area scan resolution: dx=15mm dy=15mm

Zoom scan resolution: 5x5x7,dx=8mm dy=8mm dz=5mm

Date of measurement: 2023-12-07

Experimental conditions.

Phantom	Validation plane
Device Position	-
Band	1900MHz
Channels	-
Signal	CW
Frequency (MHz)	1900MHz
Relative permittivity	40.89
Conductivity (S/m)	1.42
Probe	SN 25/22 EPG0376
ConvF:	2.14
Crest factor:	1:1

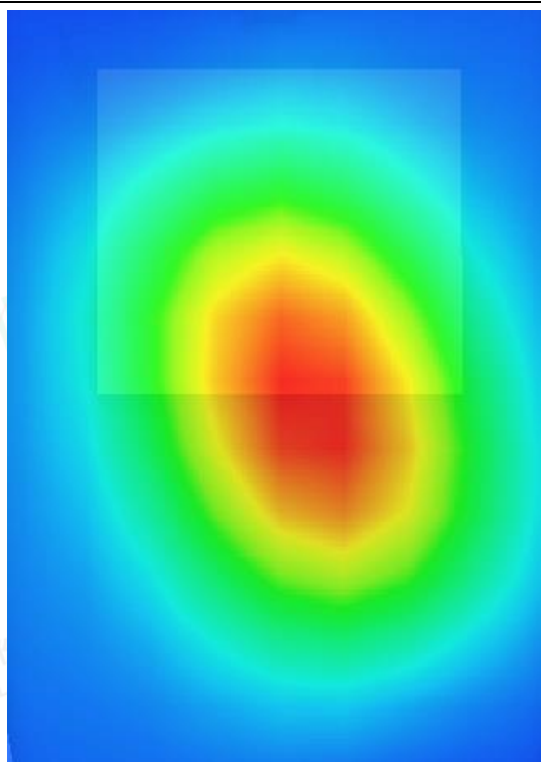
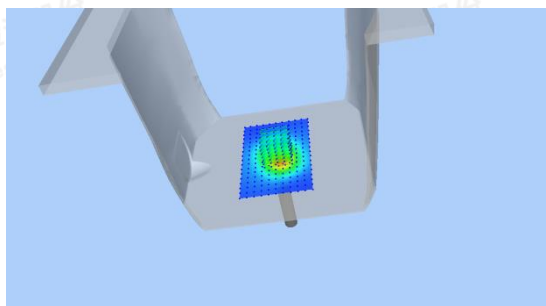
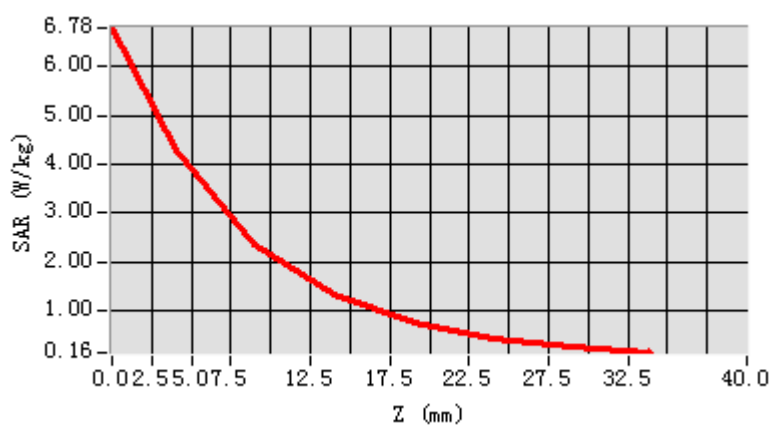


Maximum location: X=3.00, Y=-2.00

SAR 10g (W/Kg)	1.957062
SAR 1g (W/Kg)	3.867770



Z Axis Scan



**System Performance Check Data (2450MHz)**

Type: Phone measurement (Complete)

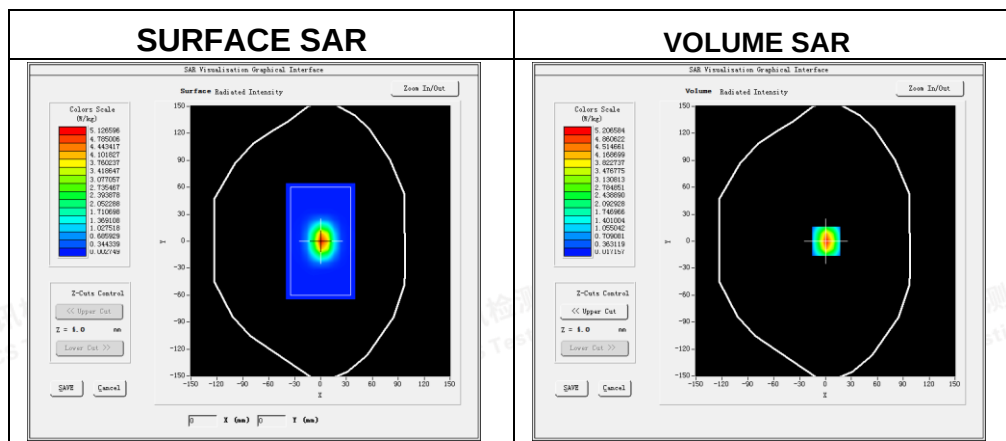
Area scan resolution: dx=15mm dy=15mm

Zoom scan resolution: 5x5x7,dx=8mm dy=8mm dz=5mm

Date of measurement: 2023-12-08

Experimental conditions.

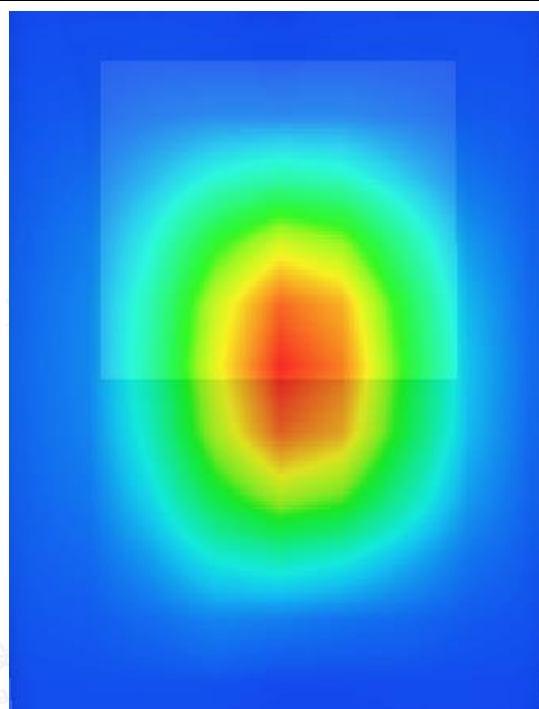
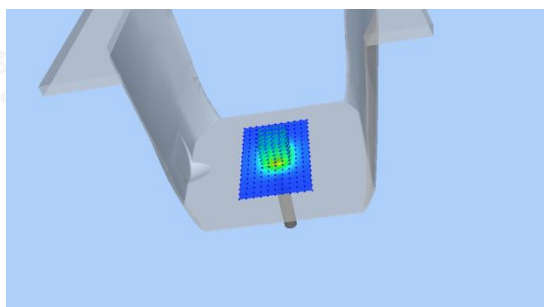
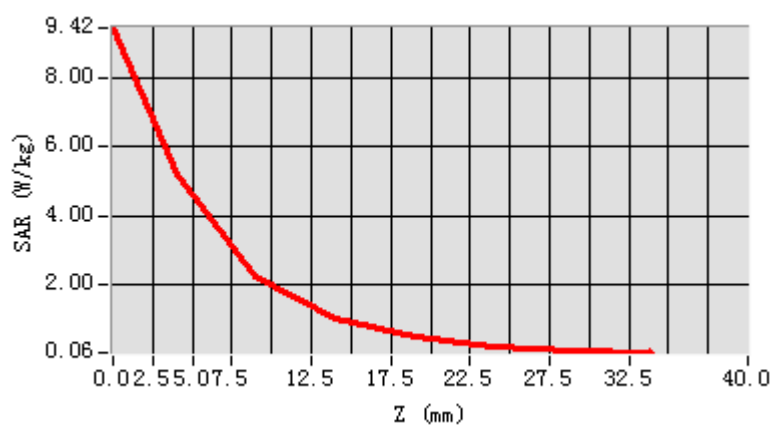
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	40.17
Conductivity (S/m)	1.82
Probe	SN 25/22 EPGO376
ConvF	2.60
Crest factor:	1:1

**Maximum location: X=1.00, Y=0.00**

SAR 10g (W/Kg)	2.600073
SAR 1g (W/Kg)	5.603773



Z Axis Scan



**System Performance Check Data (2600MHz)**

Type: Dipole measurement (Complete)

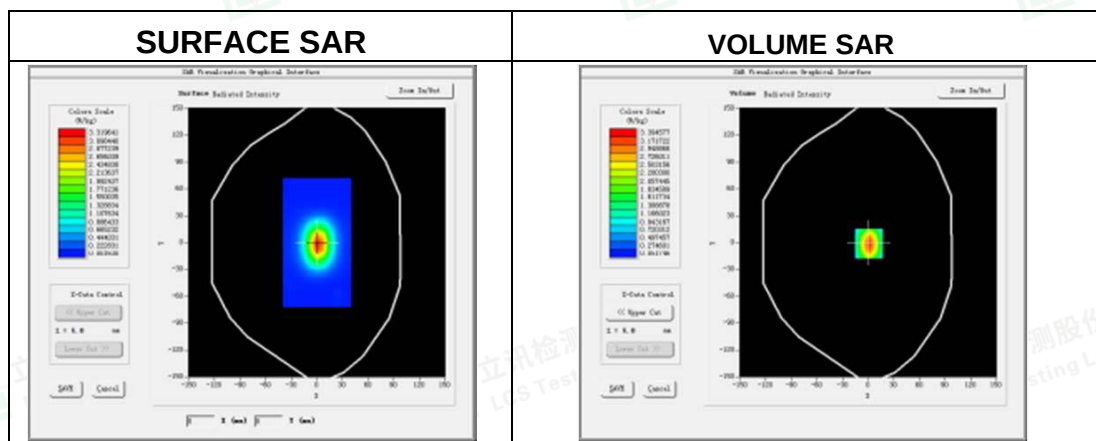
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2023-12-12

Experimental conditions.

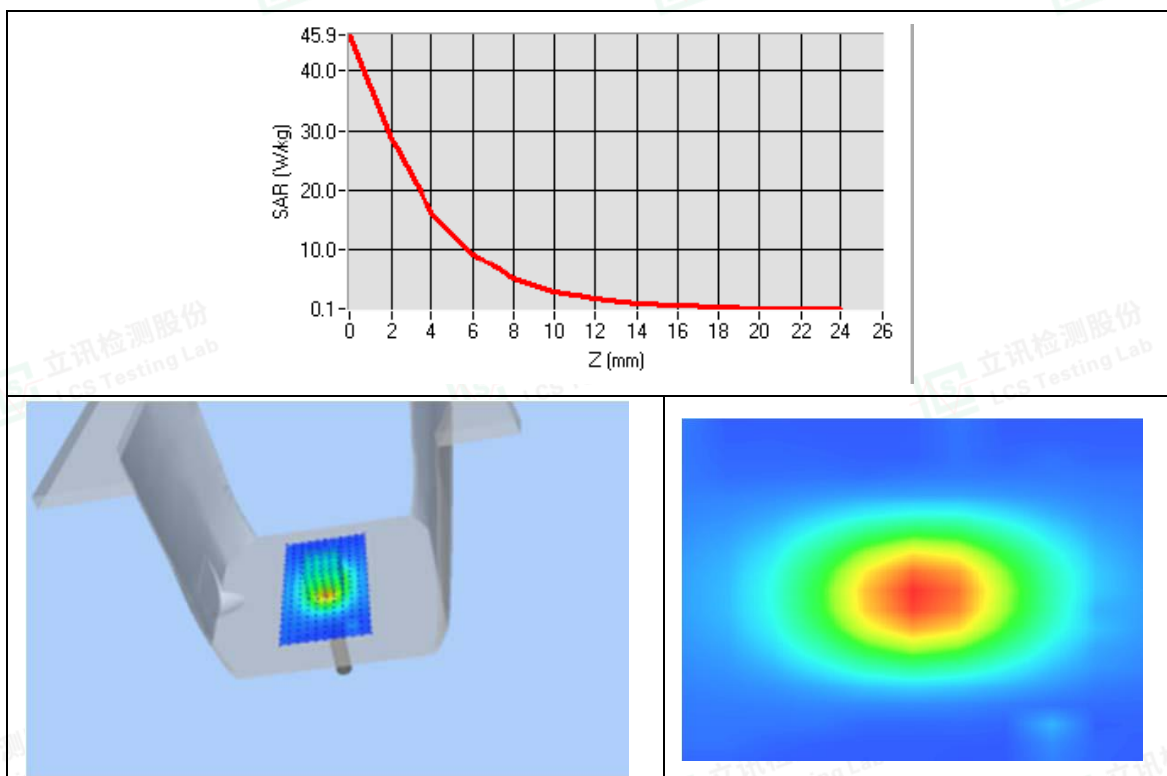
Device Position	Validation plane
Band	2600 MHz
Channels	-
Signal	CW
Frequency (MHz)	2600
Relative permittivity	39.56
Conductivity (S/m)	2.00
Probe	SN 25/22 EPGO376
ConvF	2.39
Crest factor:	1:1

**Maximum location: X=7.00, Y=2.00**

SAR 10g (W/Kg)	2.523349
SAR 1g (W/Kg)	5.754714



Z Axis Scan





Appendix B. SAR Test Plots

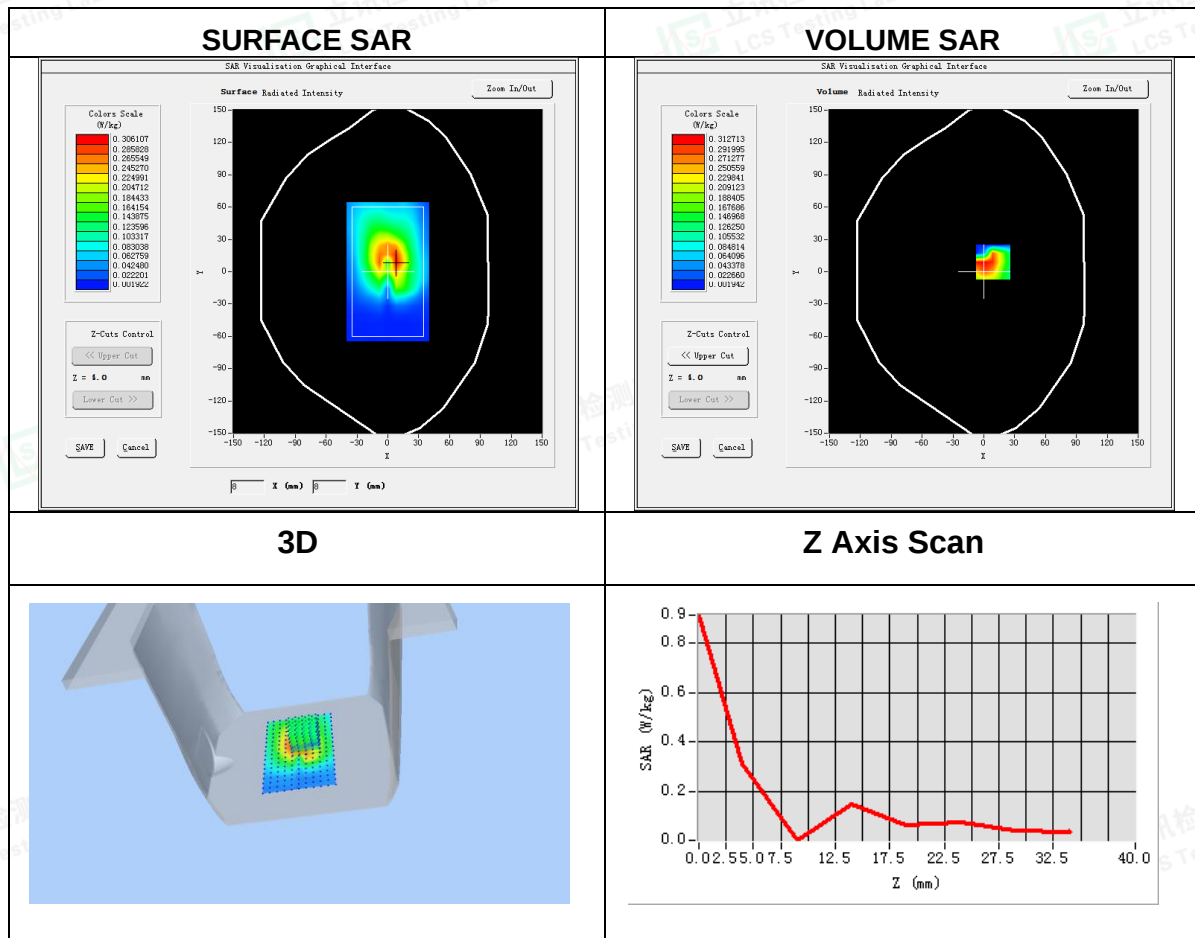
Plot 1: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4

Test Date	2023-12-05
ConvF	1.75
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Right Side
Band	GPRS 850
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	836.6
Relative permittivity (real part)	41.22
Conductivity (S/m)	0.94

Maximum location: X=9.00, Y=9.00

SAR Peak: 0.94 W/kg

SAR 10g (W/Kg)	0.161390
SAR 1g (W/Kg)	0.373462



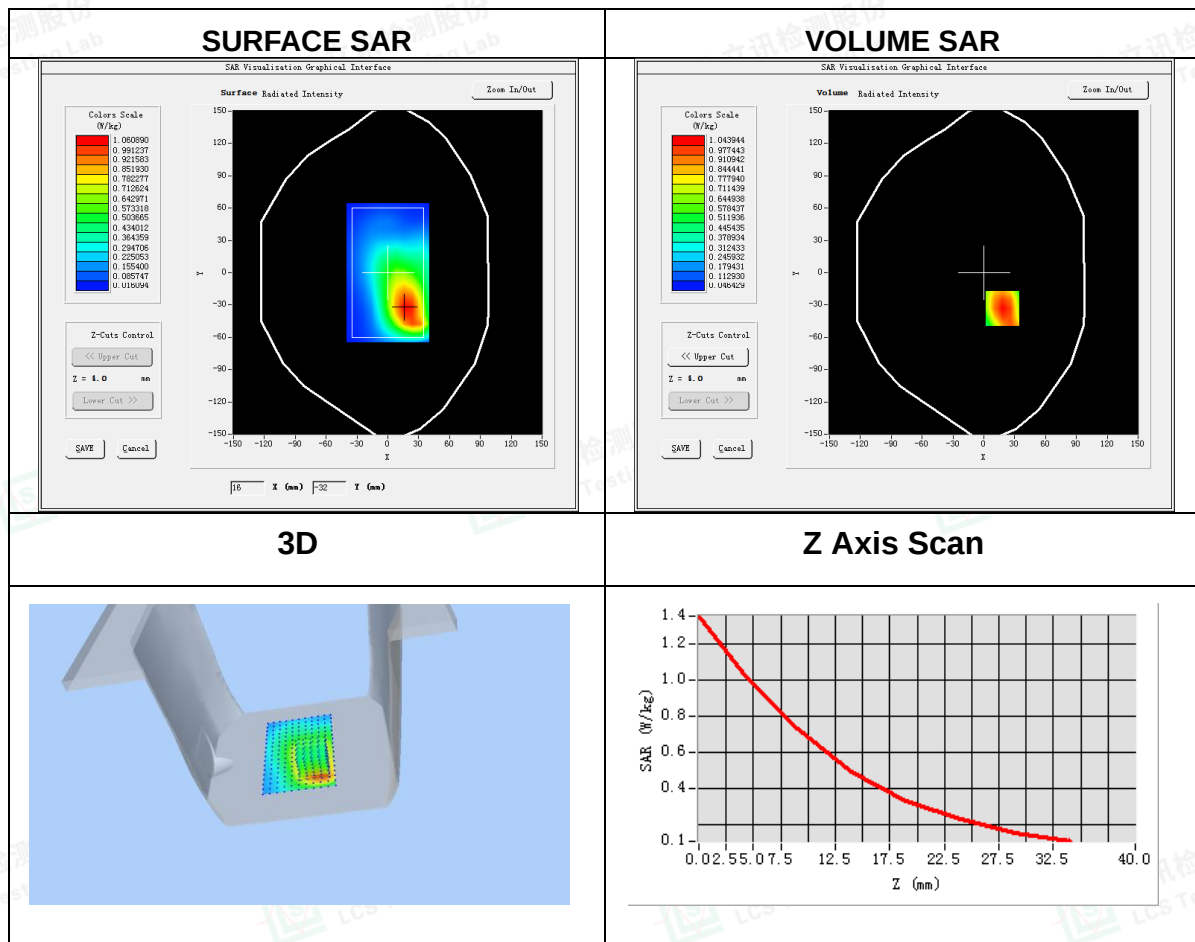
**Plot 2: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-06
ConvF	2.14
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	GPRS 1900
Signal	Duty Cycle: 2.00 (Crest factor: 2.0)
Frequency (MHz)	1850.2
Relative permittivity (real part)	40.93
Conductivity (S/m)	1.42

Maximum location: X=18.00, Y=-33.00

SAR Peak: 1.53 W/kg

SAR 10g (W/Kg)	0.650747
SAR 1g (W/Kg)	0.982802



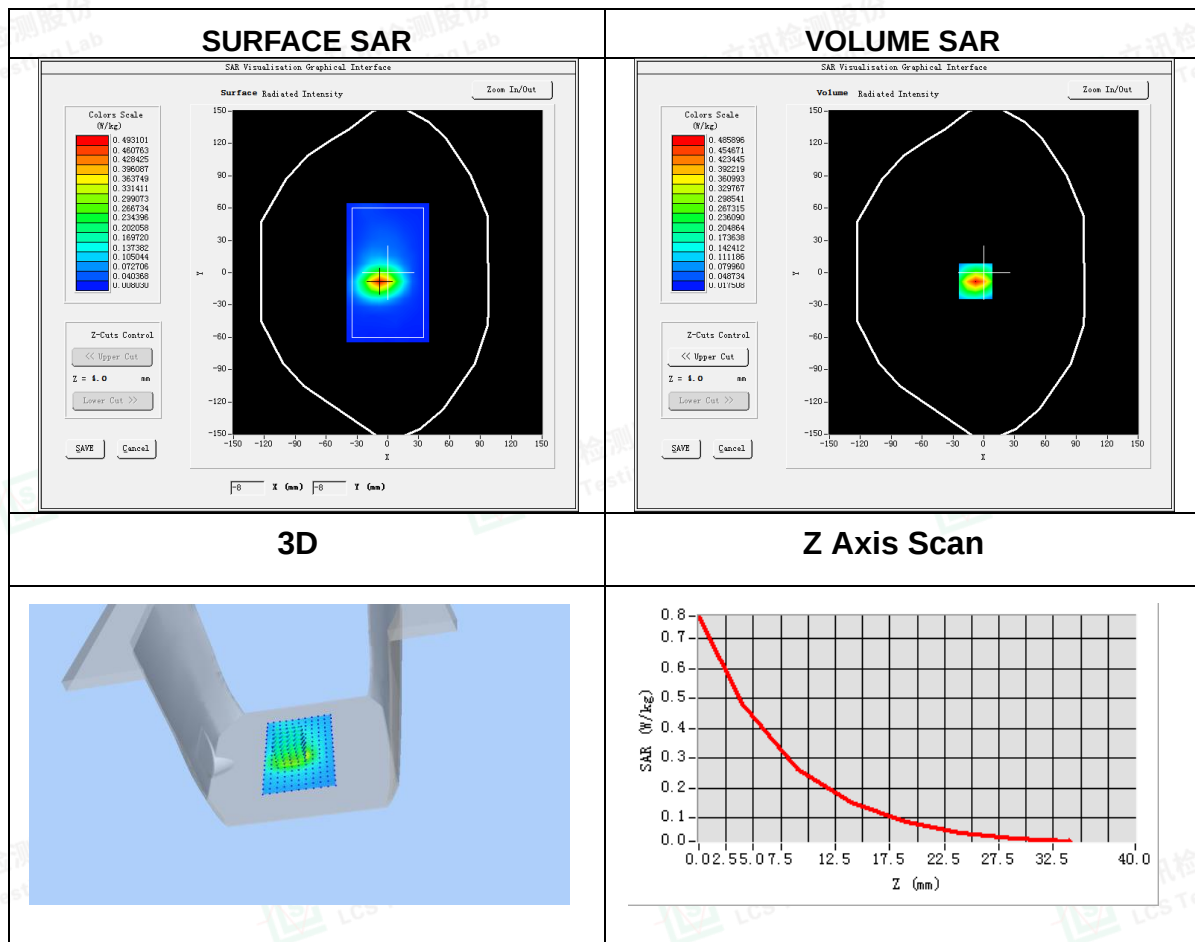
**Plot 3: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-07
ConvF	2.14
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	WCDMA II
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1880
Relative permittivity (real part)	40.34
Conductivity (S/m)	1.41

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

SAR Peak: 0.77 W/kg

SAR 10g (W/Kg)	0.215287
SAR 1g (W/Kg)	0.444915



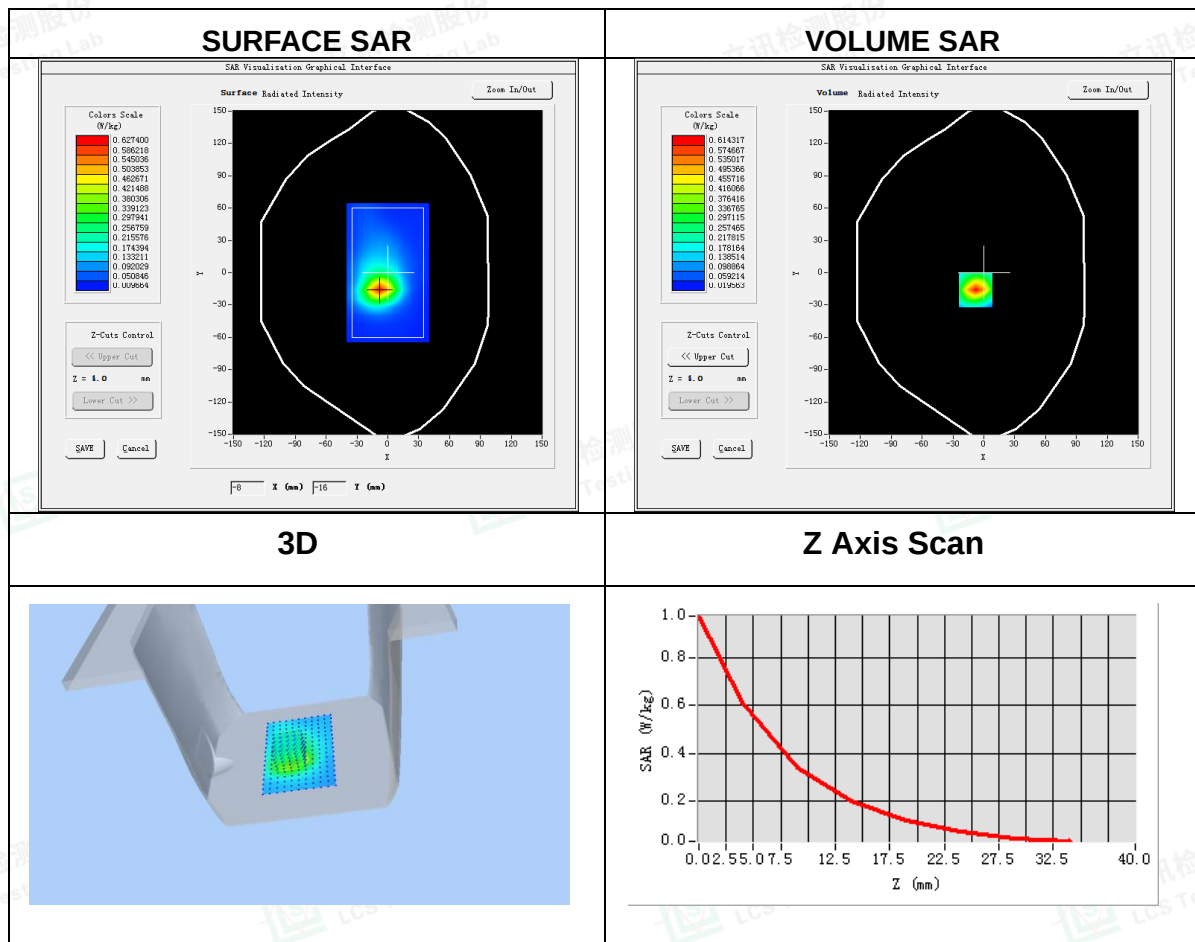
**Plot 4: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-05
ConvF	1.75
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	WCDMA V
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	826.4
Relative permittivity (real part)	40.87
Conductivity (S/m)	0.93

Maximum location: X=-8.00, Y=-16.00

SAR Peak: 0.97 W/kg

SAR 10g (W/Kg)	0.279575
SAR 1g (W/Kg)	0.564825



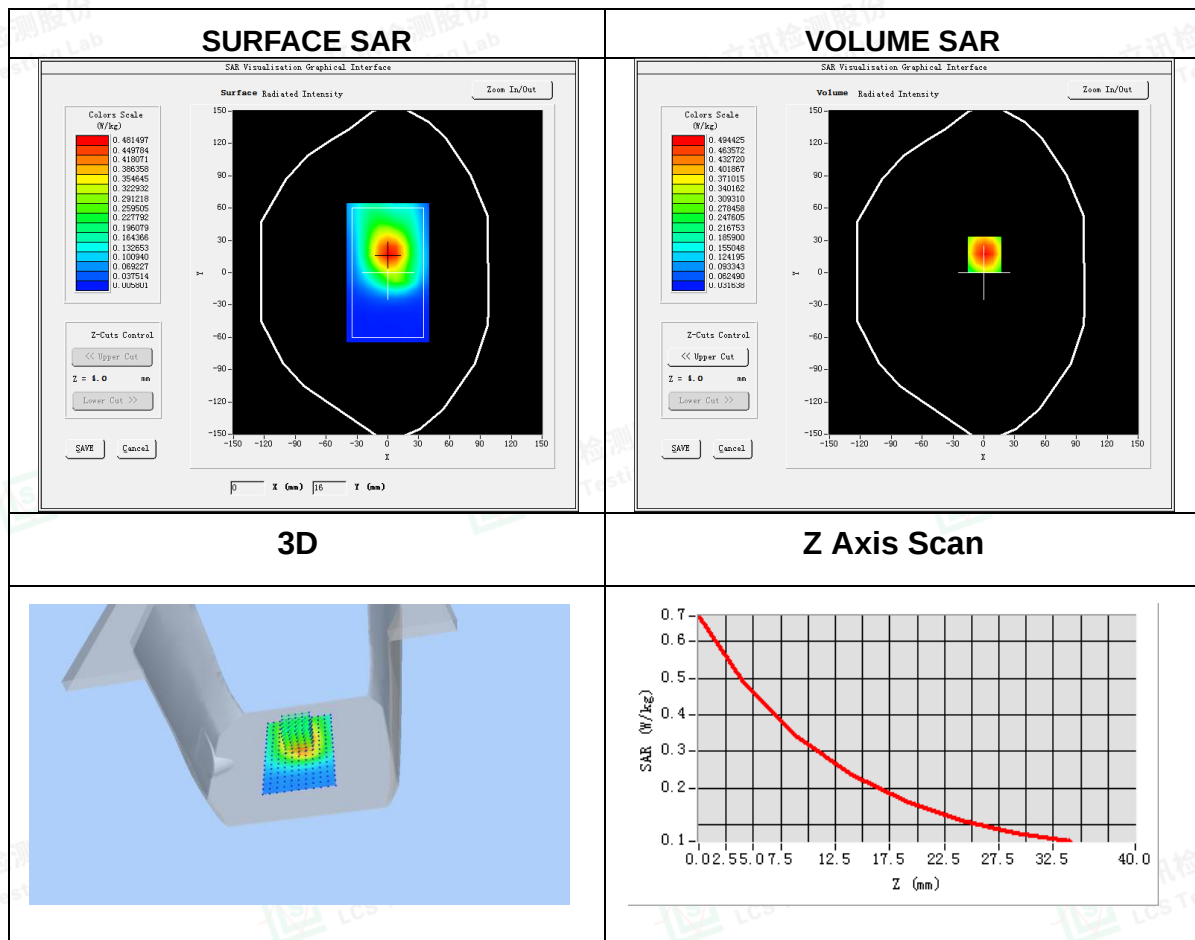
**Plot 5: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-06
ConvF	2.09
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	WCDMA IV
Signal	WCDMA (Crest factor: 1.0)
Frequency (MHz)	1712.5
Relative permittivity (real part)	40.37
Conductivity (S/m)	1.37

Maximum location: X=1.00, Y=17.00

SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.311350
SAR 1g (W/Kg)	0.477749





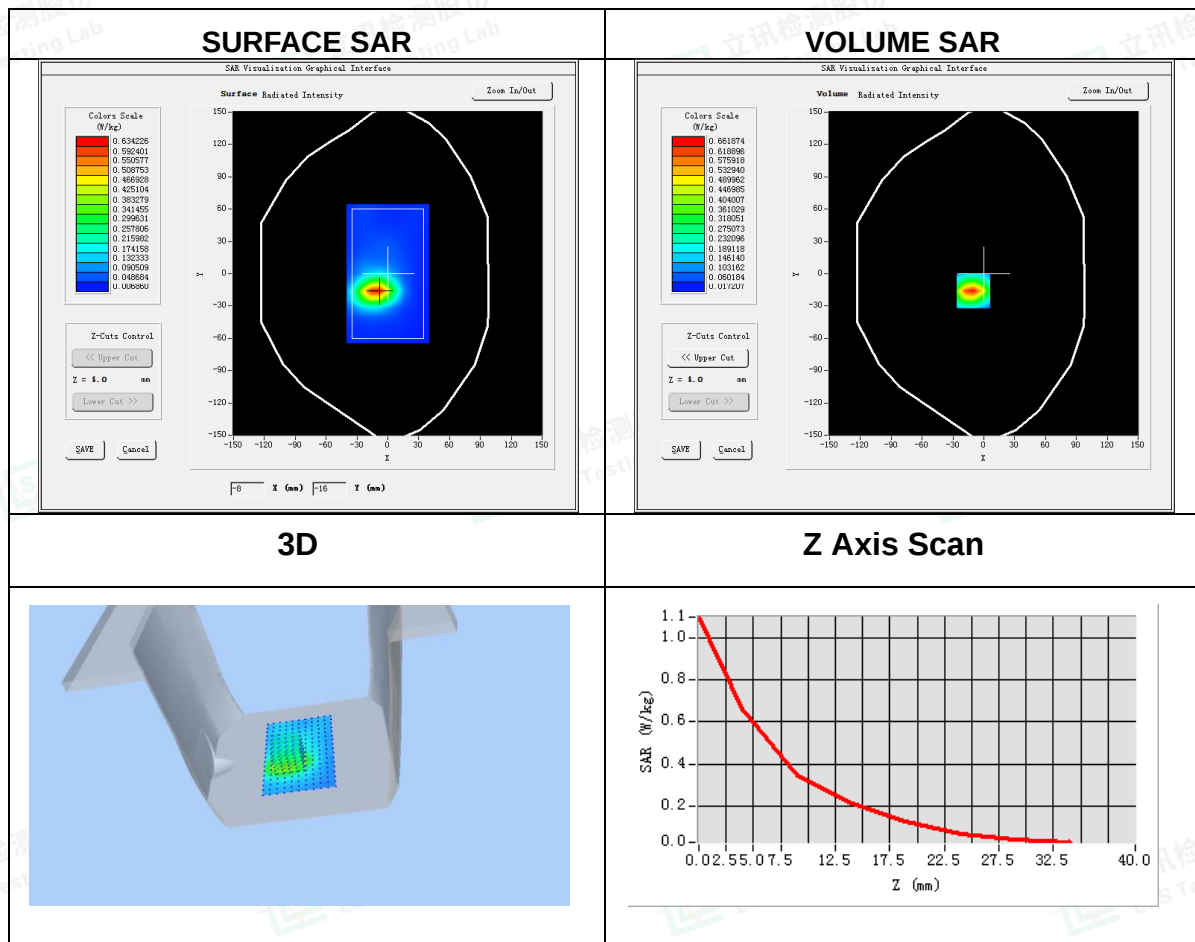
Plot 6: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4

Test Date	2023-12-07
ConvF	2.14
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 2 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1900
Relative permittivity (real part)	40.89
Conductivity (S/m)	1.42

Maximum location: X=-10.00, Y=-16.00

SAR Peak: 1.11 W/kg

SAR 10g (W/Kg)	0.290212
SAR 1g (W/Kg)	0.614384





Plot 7: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4

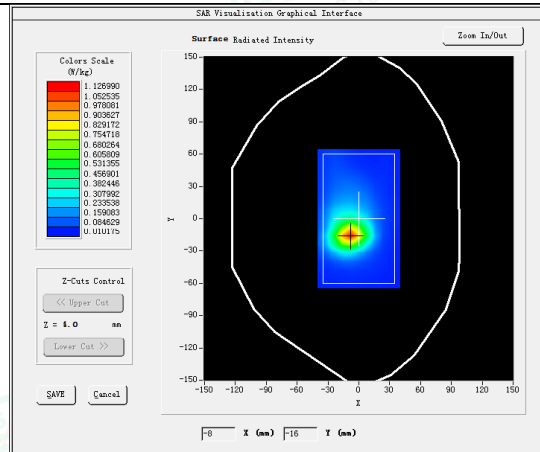
Test Date	2023-12-06
ConvF	2.09
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 4 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1720
Relative permittivity (real part)	41.55
Conductivity (S/m)	1.41

Maximum location: X=-8.00, Y=-16.00

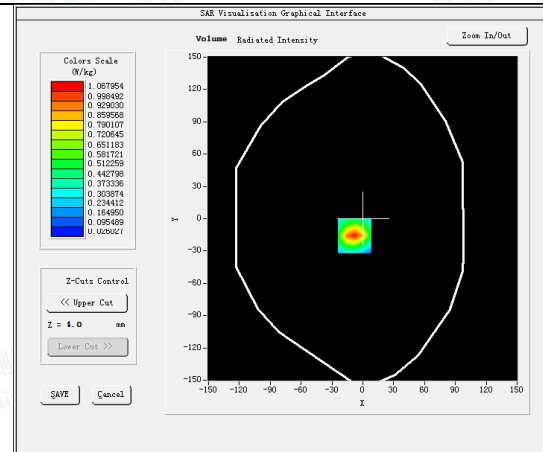
SAR Peak: 1.66 W/kg

SAR 10g (W/Kg)	0.486793
SAR 1g (W/Kg)	0.977935

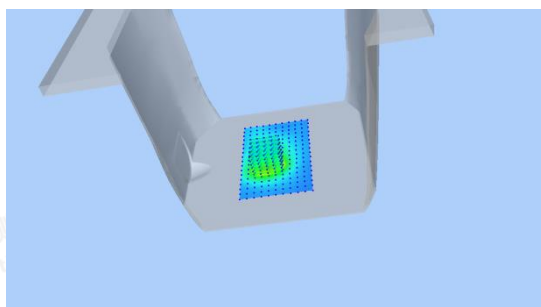
SURFACE SAR



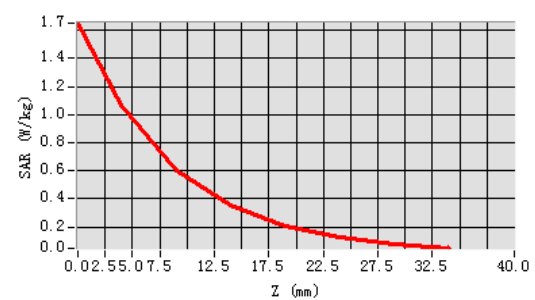
VOLUME SAR



3D



Z Axis Scan



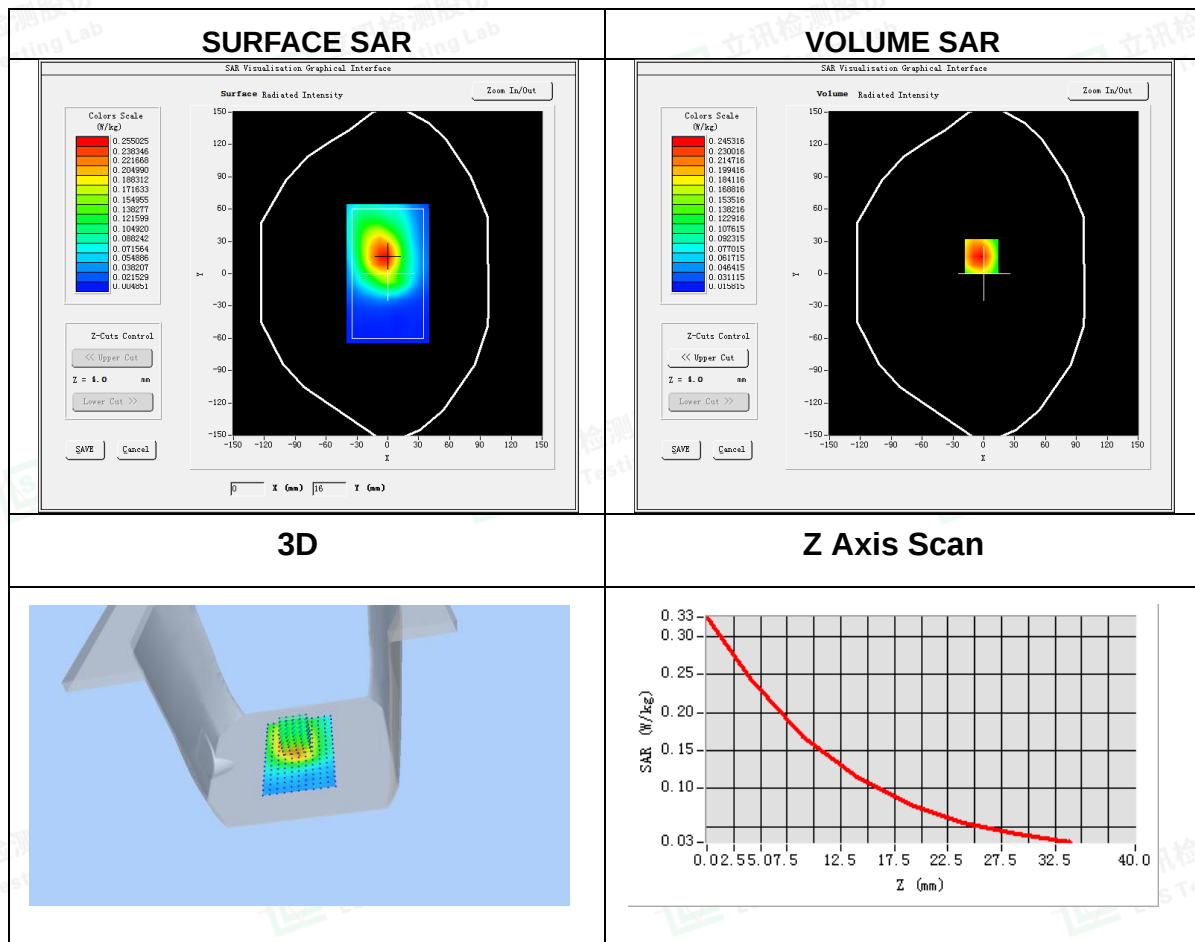
**Plot 8: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-05
ConvF	1.75
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 5 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	844
Relative permittivity (real part)	42.13
Conductivity (S/m)	0.89

Maximum location: X=-2.00, Y=16.00

SAR Peak: 0.33 W/kg

SAR 10g (W/Kg)	0.154094
SAR 1g (W/Kg)	0.236037



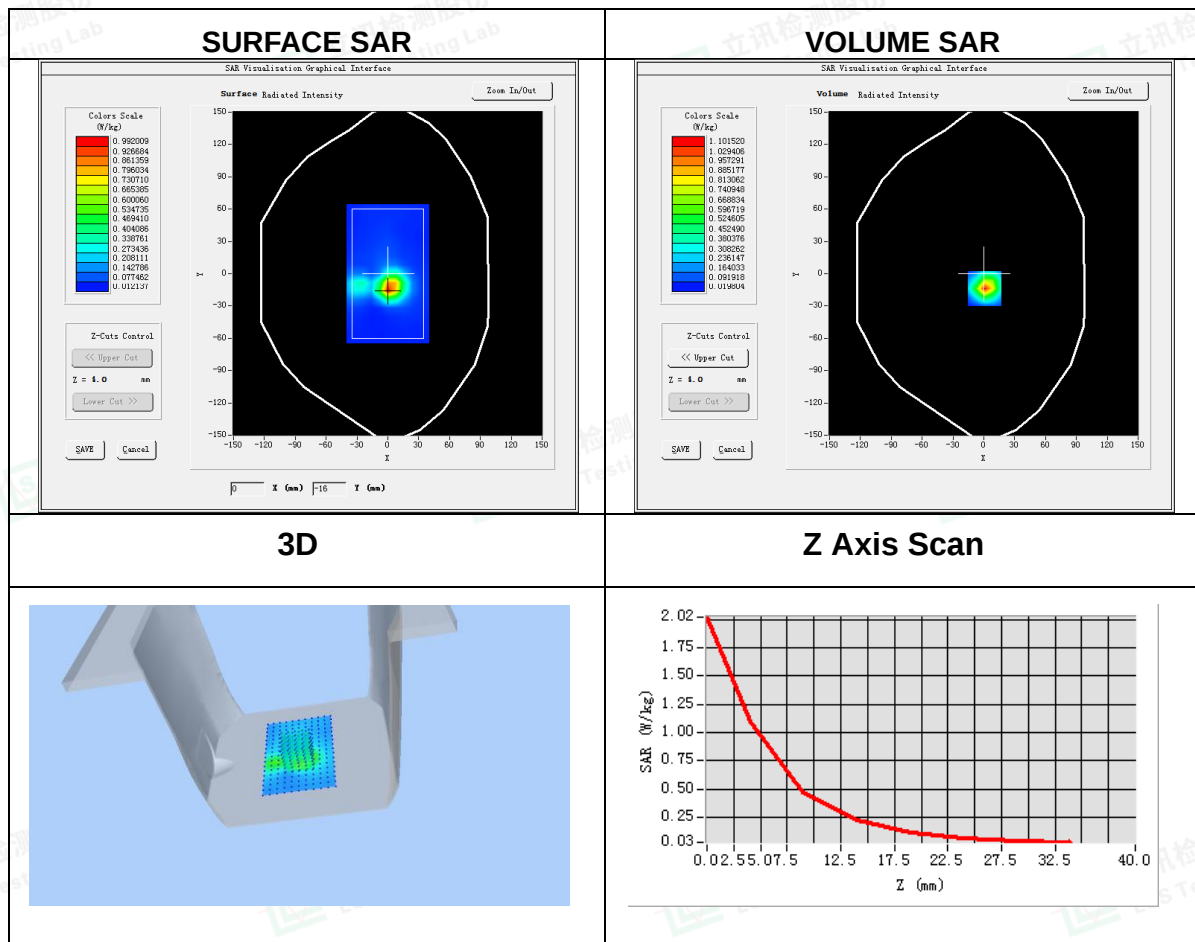
**Plot 9: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-12
ConvF	2.39
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 7 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2560
Relative permittivity (real part)	39.35
Conductivity (S/m)	1.89

Maximum location: X=1.00, Y=-14.00

SAR Peak: 2.00 W/kg

SAR 10g (W/Kg)	0.380158
SAR 1g (W/Kg)	0.974169



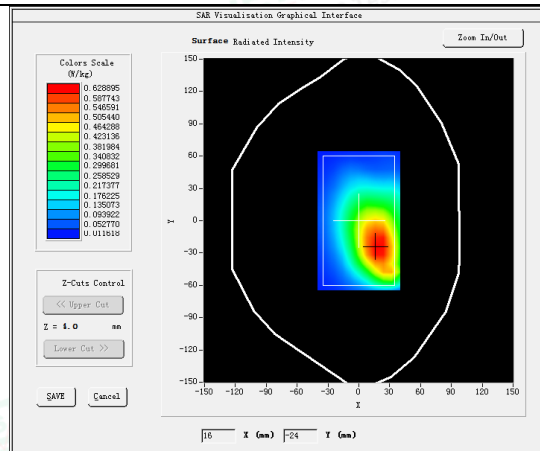
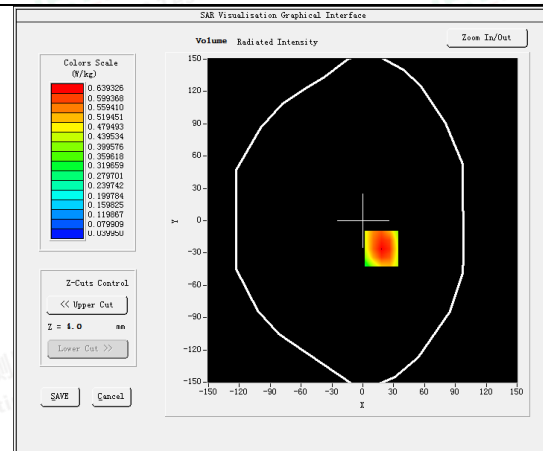
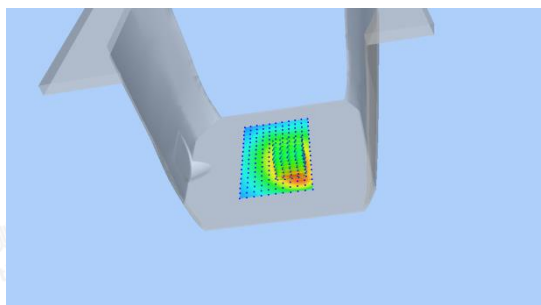
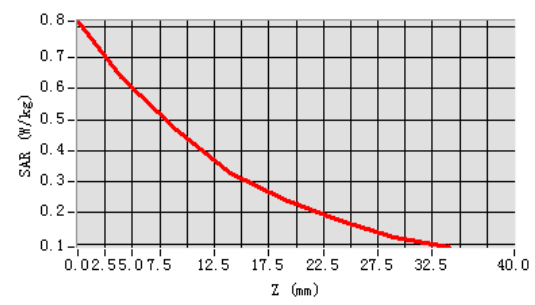
**Plot 10: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-04
ConvF	1.69
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 12 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	711
Relative permittivity (real part)	42.54
Conductivity (S/m)	0.91

Maximum location: X=18.00, Y=-26.00

SAR Peak: 0.86 W/kg

SAR 10g (W/Kg)	0.431581
SAR 1g (W/Kg)	0.631790

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



Plot 11: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4

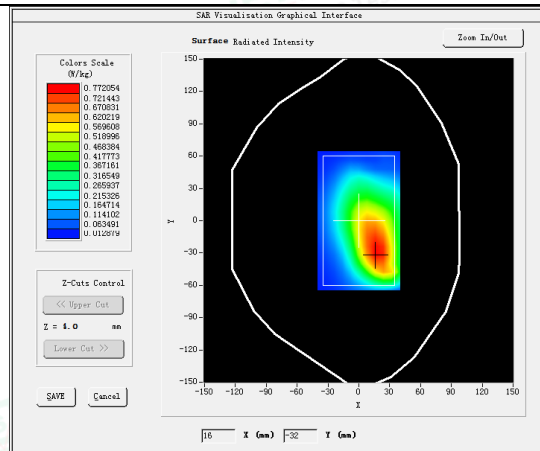
Test Date	2023-12-04
ConvF	1.69
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 13(RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	782
Relative permittivity (real part)	42.46
Conductivity (S/m)	0.85

Maximum location: X=17.00, Y=-30.00

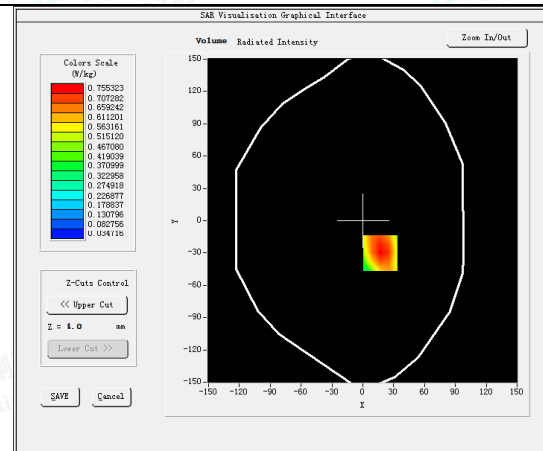
SAR Peak: 1.05 W/kg

SAR 10g (W/Kg)	0.486215
SAR 1g (W/Kg)	0.730152

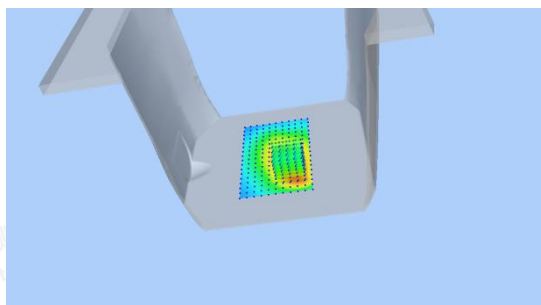
SURFACE SAR



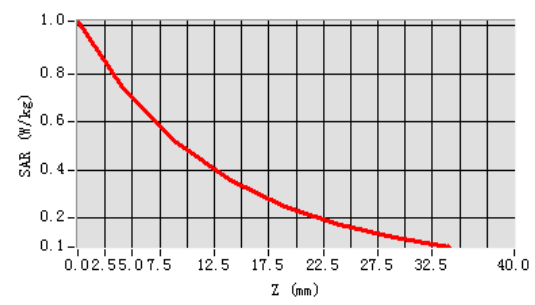
VOLUME SAR



3D



Z Axis Scan



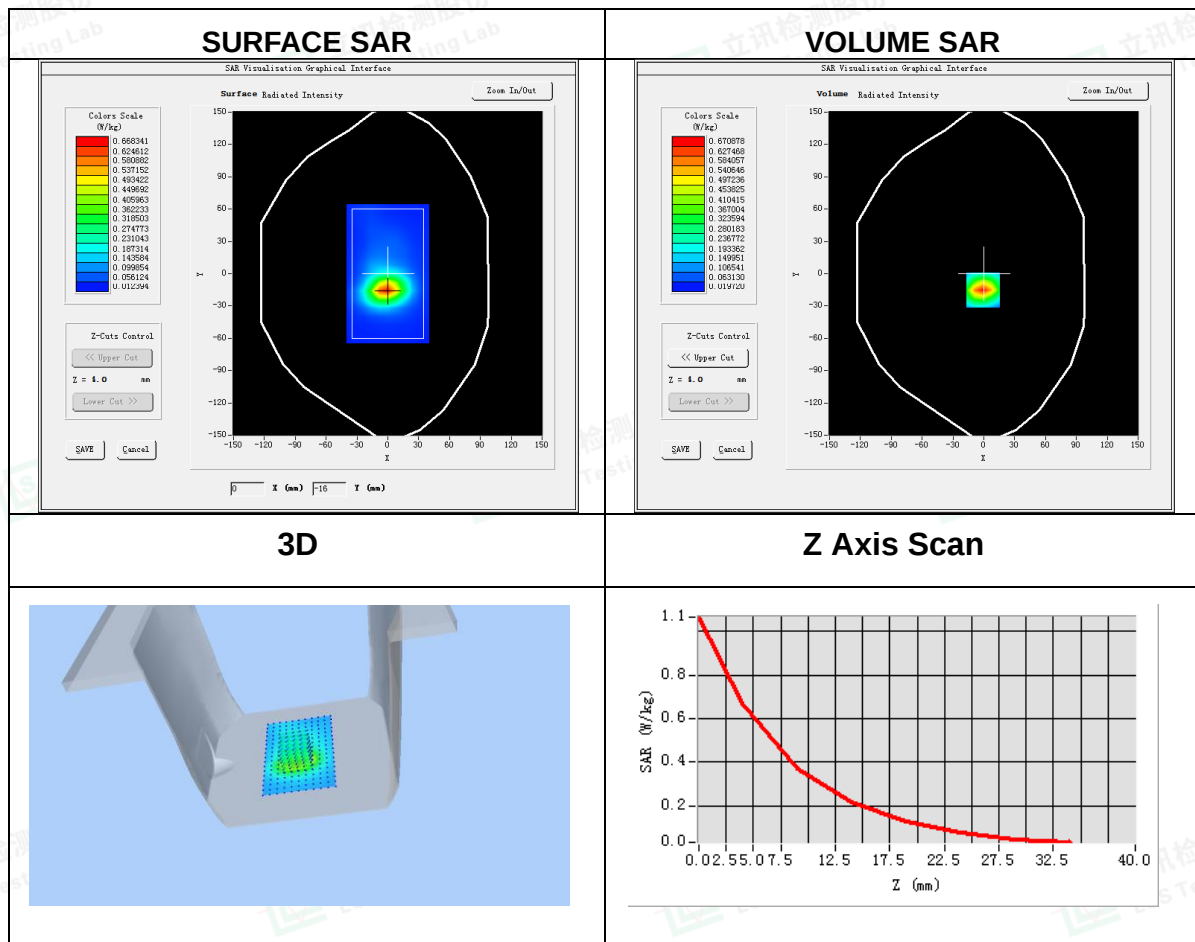
**Plot 12: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-07
ConvF	2.14
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 25 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	1905
Relative permittivity (real part)	40.89
Conductivity (S/m)	1.43

Maximum location: X=-1.00, Y=-15.00

SAR Peak: 1.06 W/kg

SAR 10g (W/Kg)	0.298857
SAR 1g (W/Kg)	0.611791



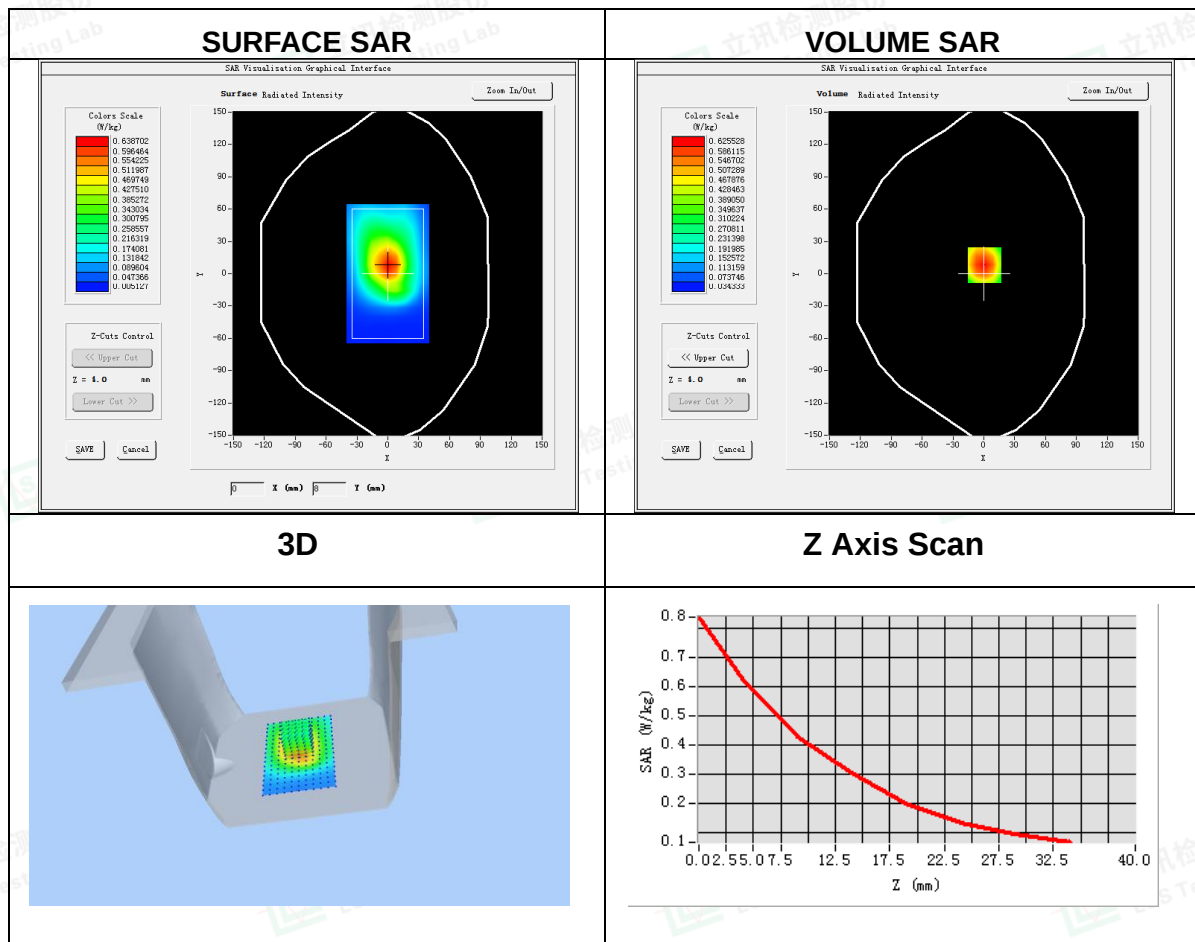
**Plot 13: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-05
ConvF	1.75
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 26 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	841.5
Relative permittivity (real part)	41.10
Conductivity (S/m)	0.86

Maximum location: X=1.00, Y=8.00

SAR Peak: 0.86 W/kg

SAR 10g (W/Kg)	0.389255
SAR 1g (W/Kg)	0.602901



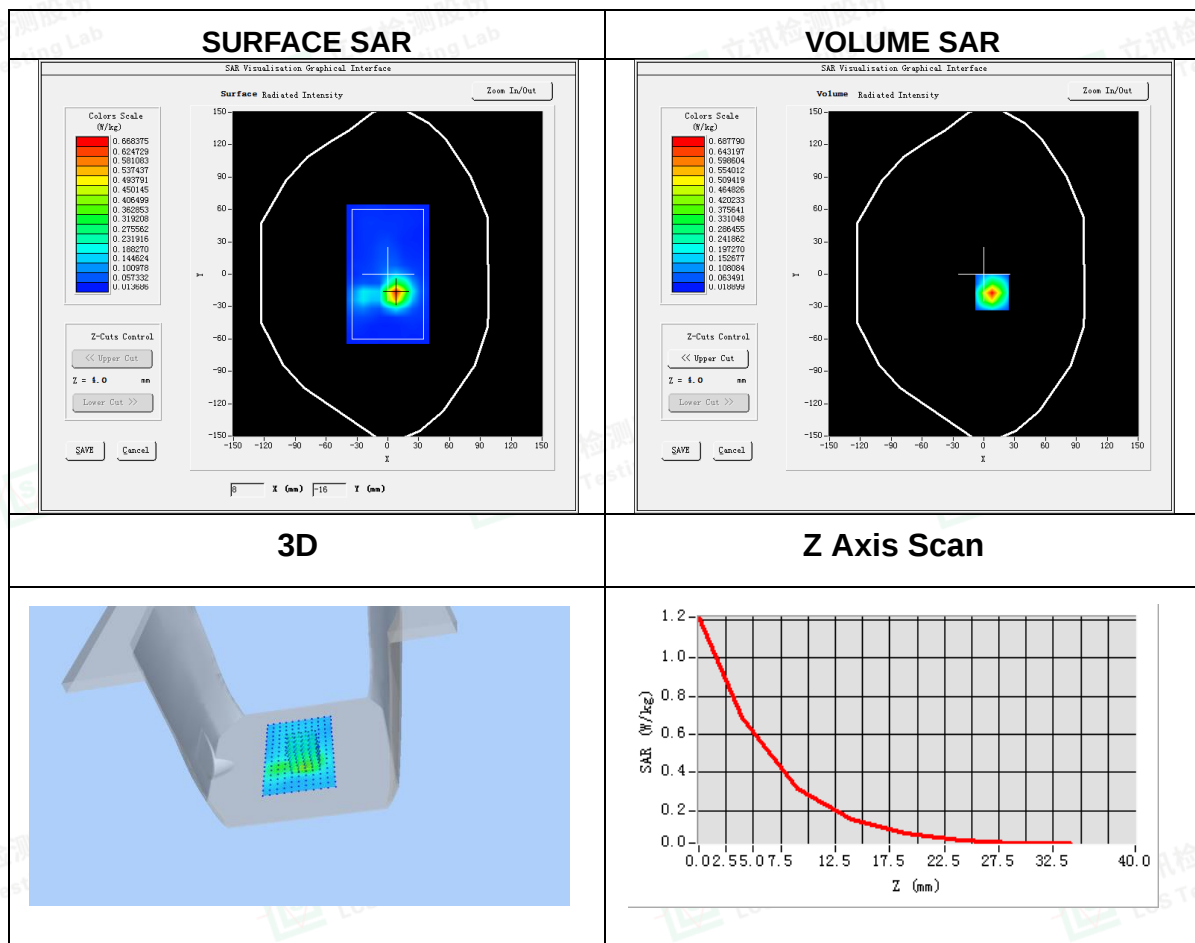
**Plot 14: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-12
ConvF	2.39
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 38 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2610
Relative permittivity (real part)	39.22
Conductivity (S/m)	1.94

Maximum location: X=8.00, Y=-17.00

SAR Peak: 1.21 W/kg

SAR 10g (W/Kg)	0.249162
SAR 1g (W/Kg)	0.614362



**Plot 15: DUT: 4G LTE Wireless Router EUT Model: GL-XE300C4**

Test Date	2023-12-12
ConvF	2.39
Probe	SN 25/22 EPGO376
Area Scan	dx=15mm dy=15mm, h= 5.00 mm
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	LTE Band 41 (RB 1)
Signal	LTE (Crest factor: 1.0)
Frequency (MHz)	2680
Relative permittivity (real part)	39.21
Conductivity (S/m)	2.03

Maximum location: X=17.00, Y=-16.00

SAR Peak: 1.43 W/kg

SAR 10g (W/Kg)	0.276689
SAR 1g (W/Kg)	0.707489

