

11.2 Setup Photo

Body Back side(separation distance is 0mm)

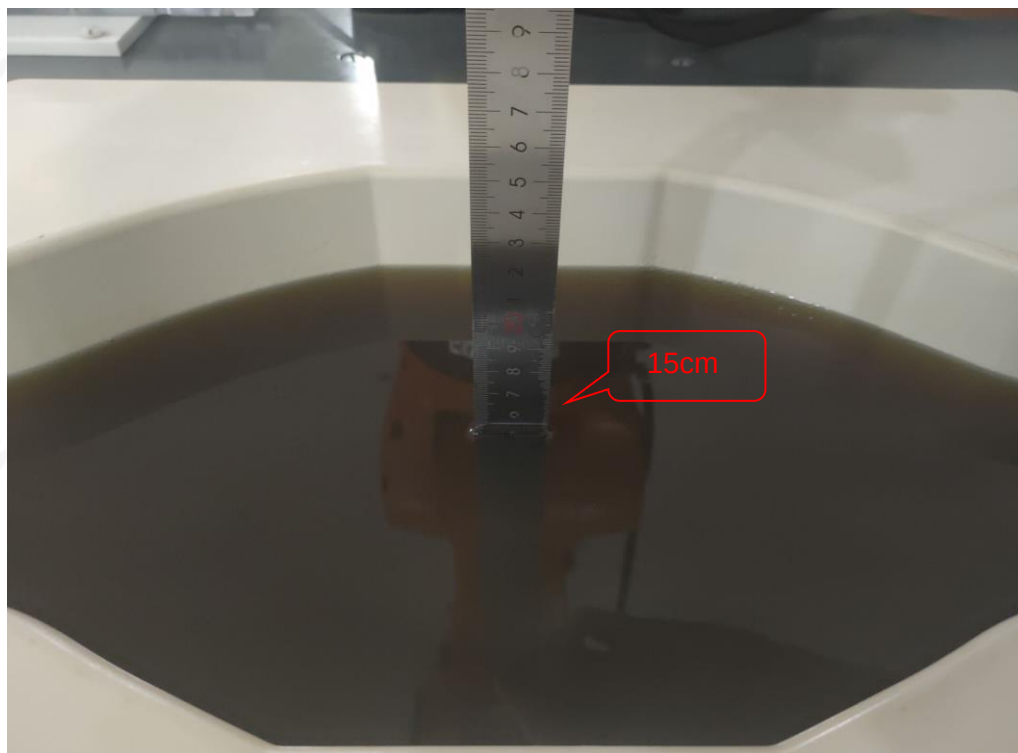


Body Front Side (separation distance is 0mm)





Liquid depth (15 cm)





12. SAR Result Summary

12.1 Body-worn SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaling Factor	Scaled SAR (W/Kg)	Me as. No.
2.4G WLAN_ANT_1	802.11b	Back Side	2462	0.281	-0.58	10.00	9.64	1.086	0.305	1
		Front Side	2462	0.106	1.51	10.00	9.64	1.086	0.115	/
2.4G WLAN_ANT_2	802.11b	Back Side	2462	0.228	-2.12	9.00	8.79	1.050	0.239	2
		Front Side	2462	0.092	-0.16	9.00	8.79	1.050	0.097	/
2.4G WLAN_MIMO_ANT_1	802.11 n-HT40	Back Side	2452	0.213	-2.07	12.50	12.02	1.117	0.238	3
		Front Side	2452	0.085	-3.73	12.50	12.02	1.117	0.095	/
2.4G WLAN_MIMO_ANT_2	802.11 n-HT40	Back Side	2452	0.188	-0.32	12.50	12.02	1.117	0.210	4
		Front Side	2452	0.076	3.25	12.50	12.02	1.117	0.085	/
5.2G WLAN_ANT_1	802.11a	Back Side	5240	0.666	3.84	11.00	10.81	1.045	0.696	5
		Front Side	5240	0.215	3.18	11.00	10.81	1.045	0.225	/
5.2G WLAN_ANT_2	802.11a	Back Side	5240	0.473	0.68	10.00	9.50	1.122	0.531	6
		Front Side	5240	0.145	0.84	10.00	9.50	1.122	0.163	/
5.2G WLAN_MIMO_ANT_1	802.11 n-HT20	Back Side	5240	0.697	2.83	13.50	13.17	1.079	0.752	7
		Front Side	5240	0.332	-0.1	13.50	13.17	1.079	0.358	/
5.2G WLAN_MIMO_ANT_2	802.11 n-HT20	Back Side	5240	0.602	-3.68	13.50	13.17	1.079	0.650	8
		Front Side	5240	0.298	1.17	13.50	13.17	1.079	0.322	/
5.8G WLAN_ANT_1	802.11a	Back Side	5825	0.551	1.41	11.50	11.03	1.114	0.614	9
		Front Side	5825	0.241	-1.65	11.50	11.03	1.114	0.269	/
5.8G WLAN_ANT_2	802.11a	Back Side	5825	0.477	1.51	10.00	9.87	1.030	0.491	10
		Front Side	5825	0.228	3.27	10.00	9.87	1.030	0.235	/
5.8G WLAN_MIMO_ANT_1	802.11ac-VHT80	Back Side	5775	0.792	3.98	11.00	10.86	1.033	0.818	11
		Front Side	5775	0.369	2.25	11.00	10.86	1.033	0.381	/
5.8G WLAN_MIMO_ANT_2	802.11ac-VHT80	Back Side	5775	0.580	-1.51	11.00	10.86	1.033	0.599	12
		Front Side	5775	0.345	-3.37	11.00	10.86	1.033	0.356	/



Band	ANT	Max SAR	2.4G
		(W/Kg)	WLAN_ANT_A+B
2.4G WLAN_ANT_A+B	ANT-A	0.241	0.451
	ANT-B	0.210	
Band	ANT	Max SAR	5.G WLAN_ANT_A+B
		(W/Kg)	
5.2G WLAN_ANT_A+B	ANT-A	0.752	1.402
	ANT-B	0.650	
Band	ANT	Max SAR	5.8G
		(W/Kg)	WLAN_ANT_A+B
5.8G WLAN_ANT_A+B	ANT-A	0.818	1.417
	ANT-B	0.599	

Note:

1. The test separation of all above table is 0mm.
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. Scaled SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
3. Per KDB 248227- When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg. (The highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power was **0.878W/Kg** for Body)



12.3 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.
5.8G WLAN_MIMO_ANT_A	802.11ac- VHT80	Back Side	5775	0.778	-3.47	33	32.09	0.959	-

12.4 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
5.8G WLAN_MIMO_ANT_A	802.11ac- VHT80	Back Side	5775	0.792	0.778	1.018	-	-	-

Note:

1. Per KDB 865664 D01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is ≥ 0.8 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 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 ≥ 1.45 W/Kg.
4. The ratio is the difference in percentage between original and repeated measured SAR.



12.5 Simultaneous Multi-band Transmission Evaluation

Application Simultaneous Transmission information:

Position	Simultaneous State
Body	1. BT_ANT1 + 2.4GHz WLAN/5G WLAN_ANT2

NOTE:

1. EUT cannot transmit 5G WIFI when transmitting 2.4G WIFI.
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 / 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 Average Power		Dis.	Frequency(GHz)	Stand alone SAR(1g) [W/kg]
		dBm	mW			
BT	Body	2.5	1.778	5	2.48	0.075

Simultaneous Mode	Position	Mode	Max. 1-g SAR	1-g Sum SAR
			(W/kg)	(W/kg)
BT_ANT1 + 2.4GHz WLAN/5G WLAN_ANT2	Body	BT_ANT	0.075	0.606
		2.4GHz WLAN/5G WLAN_ANT2	0.531	



13. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
2450MHzDipole	MVG	SID2450	SN 30/14 DIP2G450-335	2023.07.04	2026.07.03
Waveguide	MVG	SWG5500	SN 13/14 WGA32	2023.07.04	2026.07.03
E-Field Probe	MVG	SSE2	SN 08/21 EPGO352	2024.09.18	2025.09.17
Dielectric Probe Kit	MVG	SCLMP	SN 32/14 OCPG67	2024.09.18	2025.09.17
Antenna	MVG	ANTA3	SN 07/13 ZNTA52	N/A	N/A
Phantom1	MVG	SAM	SN 32/14 SAM115	N/A	N/A
Phantom3	MVG	SAM	SN 21/21 ELLI48	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	HXT-10-8-SMA	240327017	2025-02-22	2026-02-21
Directional coupler	Xi'an Xingbo	XBOH-OA08- 20dB	211123-4-3	2025-02-22	2026-02-21
Network Analyzer	Agilent	E5071C	MY46520378	2024-09-25	2025-09-26
Multi Meter	Keithley	Multi Meter 2000	4050073	2024-09-25	2025-09-26
Signal Generator	Agilent	N5182A	MY50140530	2024-09-25	2025-09-26
Wireless Communication Test Set	Agilent	8960-E5515C	MY48360751	2025-02-22	2026-02-21
Wireless Communication Test Set	R&S	CMW500	156324	2024-09-25	2025-09-26
Power Amplifier	DESAY	ZHL-42W	9638	2024-09-25	2025-09-26
Power Meter	R&S	NRP	100510	2024-09-25	2025-09-26
Power Sensor	R&S	NRP-Z11	101919	2024-09-25	2025-09-26
Power Sensor	Keysight	U2021XA	MY56280002	2024-09-25	2025-09-26
Temperature hygrometer	SuWei	SW-108	N/A	2024.10.15	2025.10.14
Thermograph	Elitech	RC-4	S/N EF7176501537	2024.10.15	2025.10.14



Appendix A. System Validation Plots

System Performance Check Data (2450MHz)

Type: Phone measurement (Complete)

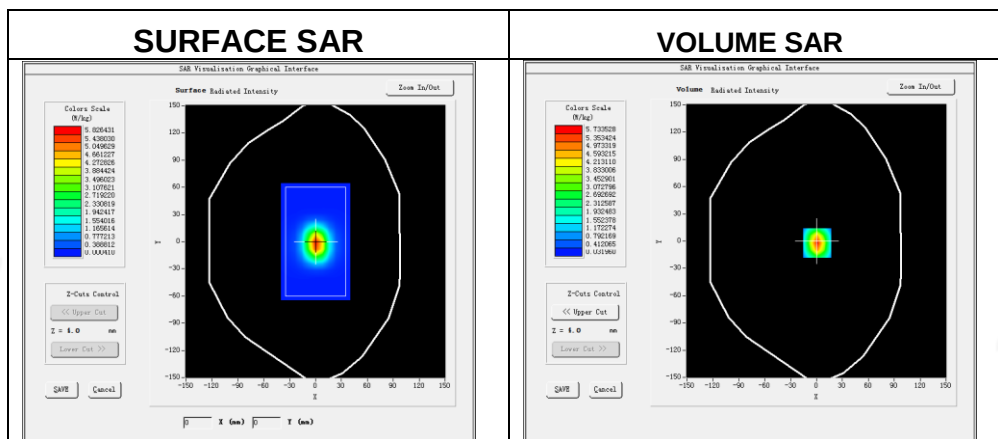
Area scan resolution: dx=8mm, dy=8mm

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

Date of measurement: 2025-03-19

Experimental conditions.

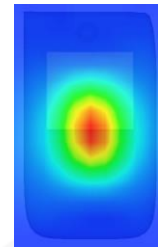
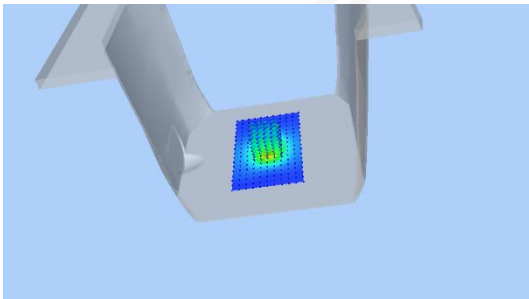
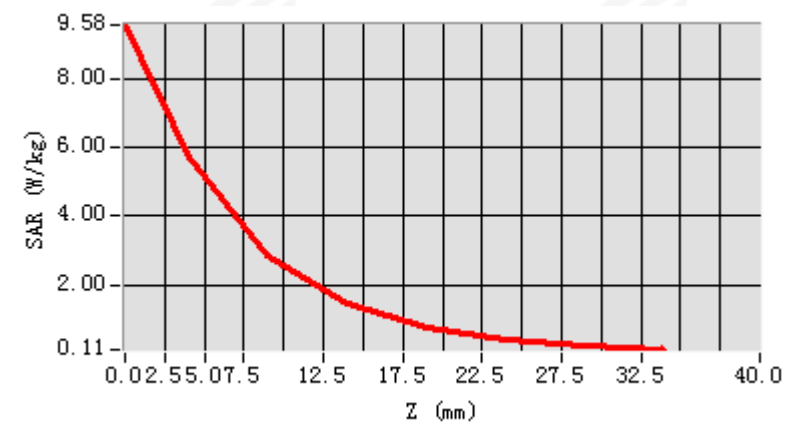
Device Position	Validation plane
Band	2450 MHz
Channels	-
Signal	CW
Frequency (MHz)	2450
Relative permittivity	39.77
Conductivity (S/m)	1.79
Probe	SN 08/21 EPGO352
ConvF	1.80
Crest factor:	1:1



Maximum location: X=1.00, Y=0.00

SAR 10g (W/Kg)	2.610117
SAR 1g (W/Kg)	5.492340

Z Axis Scan



**System Performance Check Data (5200MHz)**

Type: Dipole measurement (Complete)

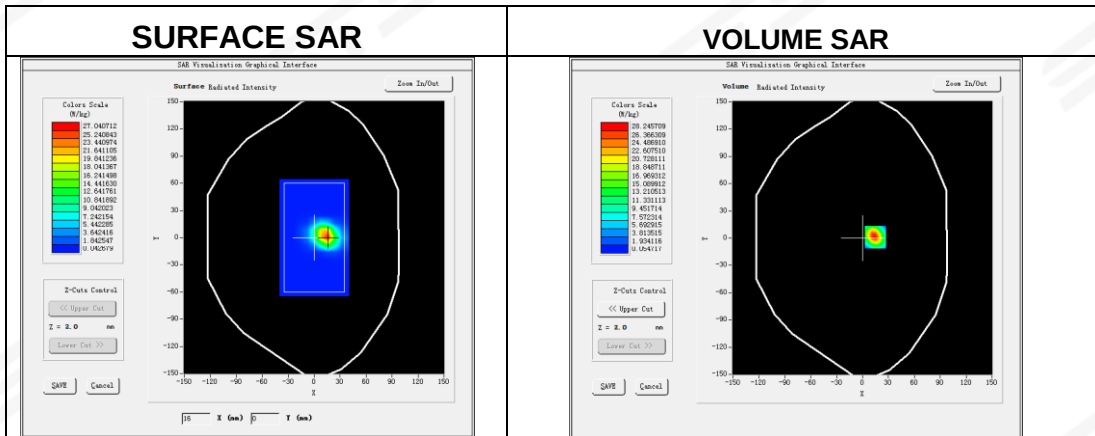
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-03-20

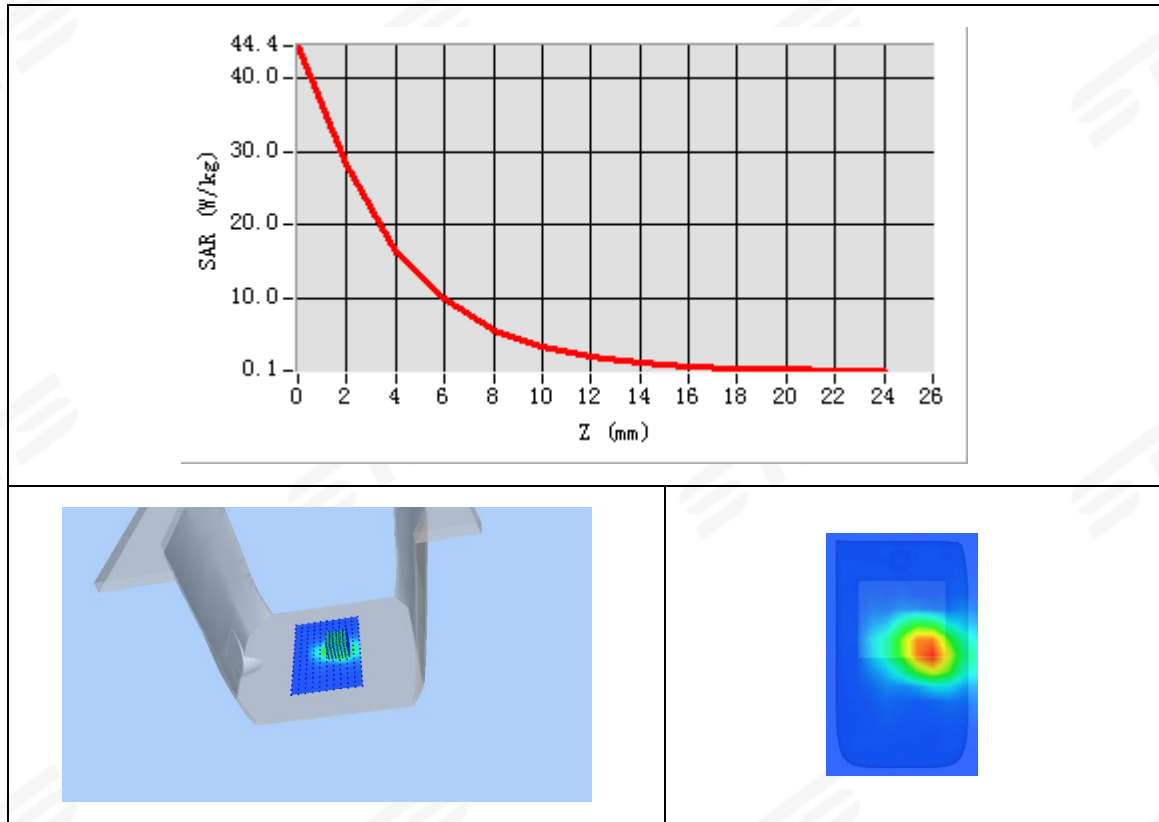
Experimental conditions.

Device Position	Validation plane
Band	5200 MHz
Channels	-
Signal	CW
Frequency (MHz)	5200
Relative permittivity	36.40
Conductivity (S/m)	4.65
Probe	SN 08/21 EPGO352
ConvF	1.33
Crest factor:	1:1

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

SAR 10g (W/Kg)	5.891496
SAR 1g (W/Kg)	16.646438

Z Axis Scan



**System Performance Check Data (5800MHz)**

Type: Dipole measurement (Complete)

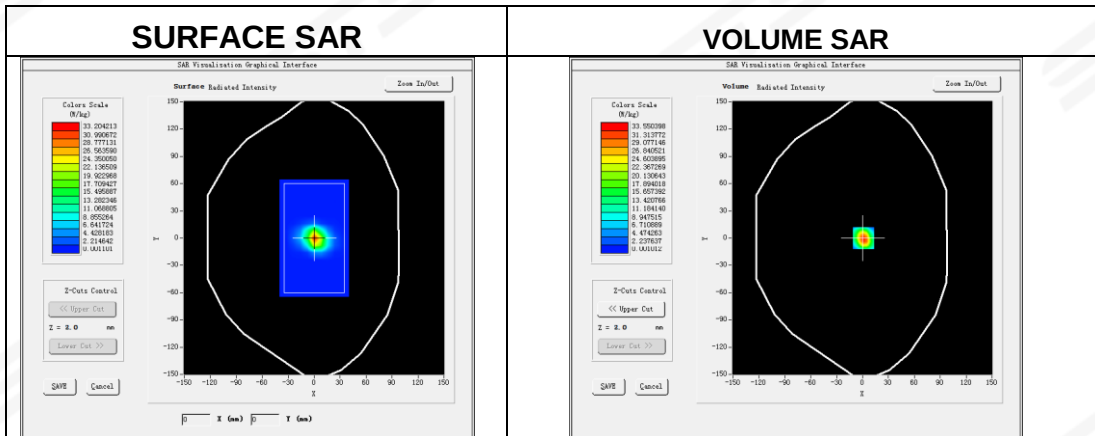
Area scan resolution: dx=8mm,dy=8mm

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

Date of measurement: 2025-03-20

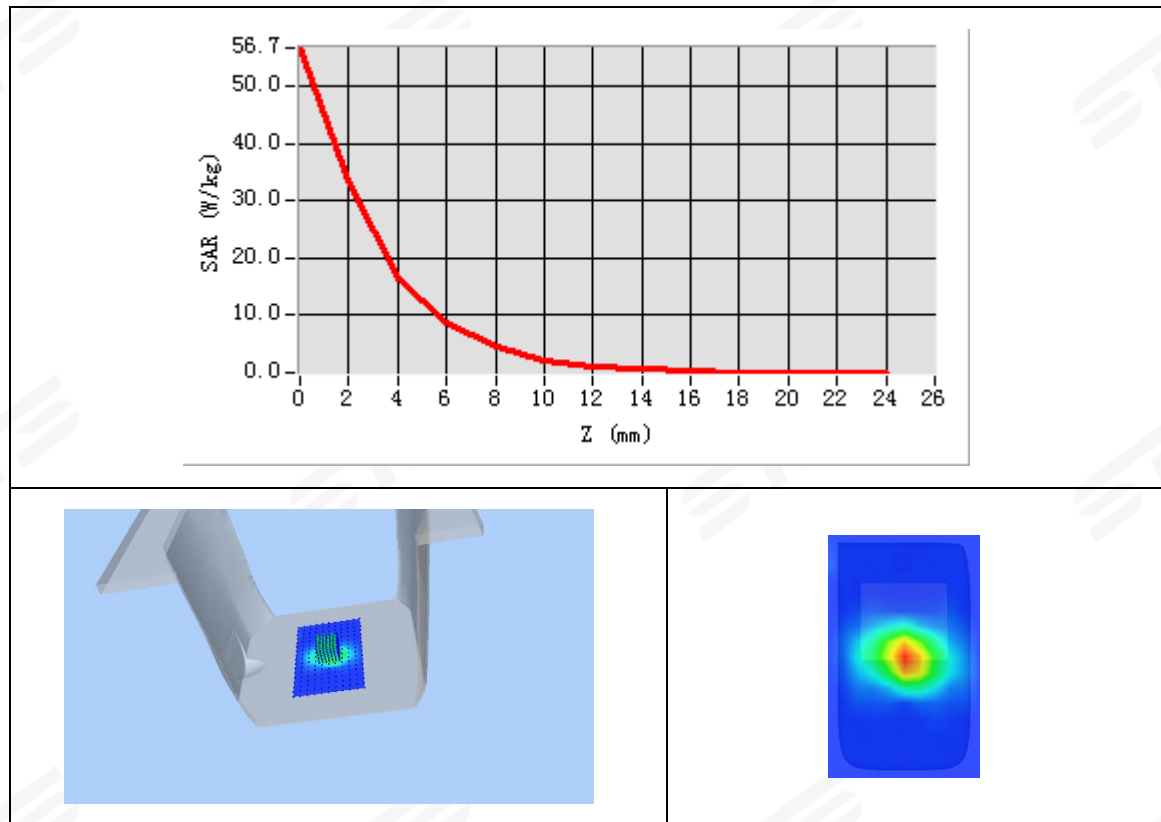
Experimental conditions.

Device Position	Validation plane
Band	5800 MHz
Channels	-
Signal	CW
Frequency (MHz)	5800
Relative permittivity	35.52
Conductivity (S/m)	5.25
Probe	SN 08/21 EPGO352
ConvF	1.35
Crest factor:	1:1

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

SAR 10g (W/Kg)	6.332349
SAR 1g (W/Kg)	19.025433

Z Axis Scan



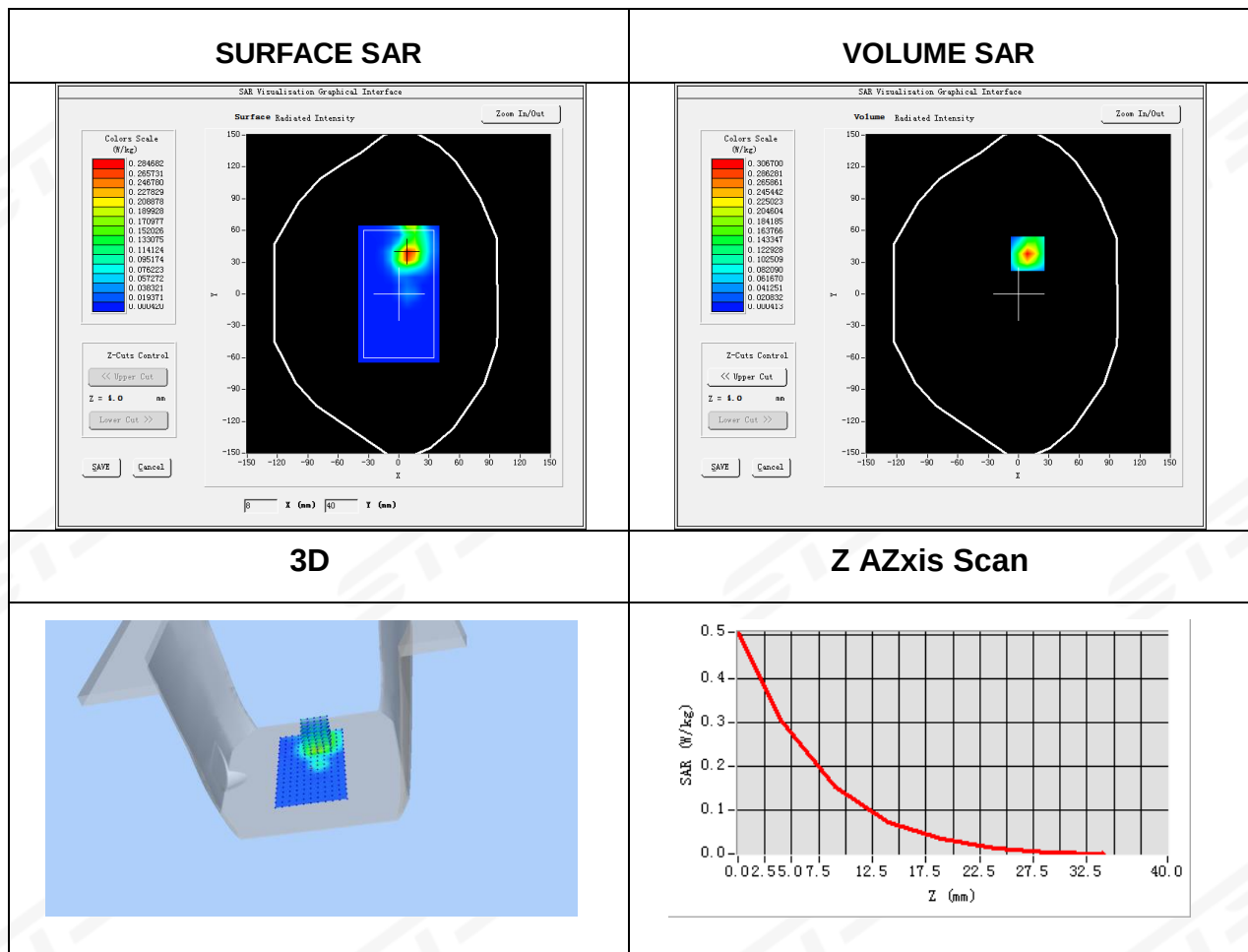
**Appendix B. SAR Test Plots****Plot 1: DUT: Travel Lite; EUT Model: TL44-53M**

Test Date	2025-03-19
ConvF	1.80
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	2.4G WLAN_ANT_1
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	40.06
Conductivity (S/m)	1.87

Maximum location: X=9.00, Y=38.00

SAR Peak: 0.51 W/kg

SAR 10g (W/Kg)	0.118086
SAR 1g (W/Kg)	0.280595





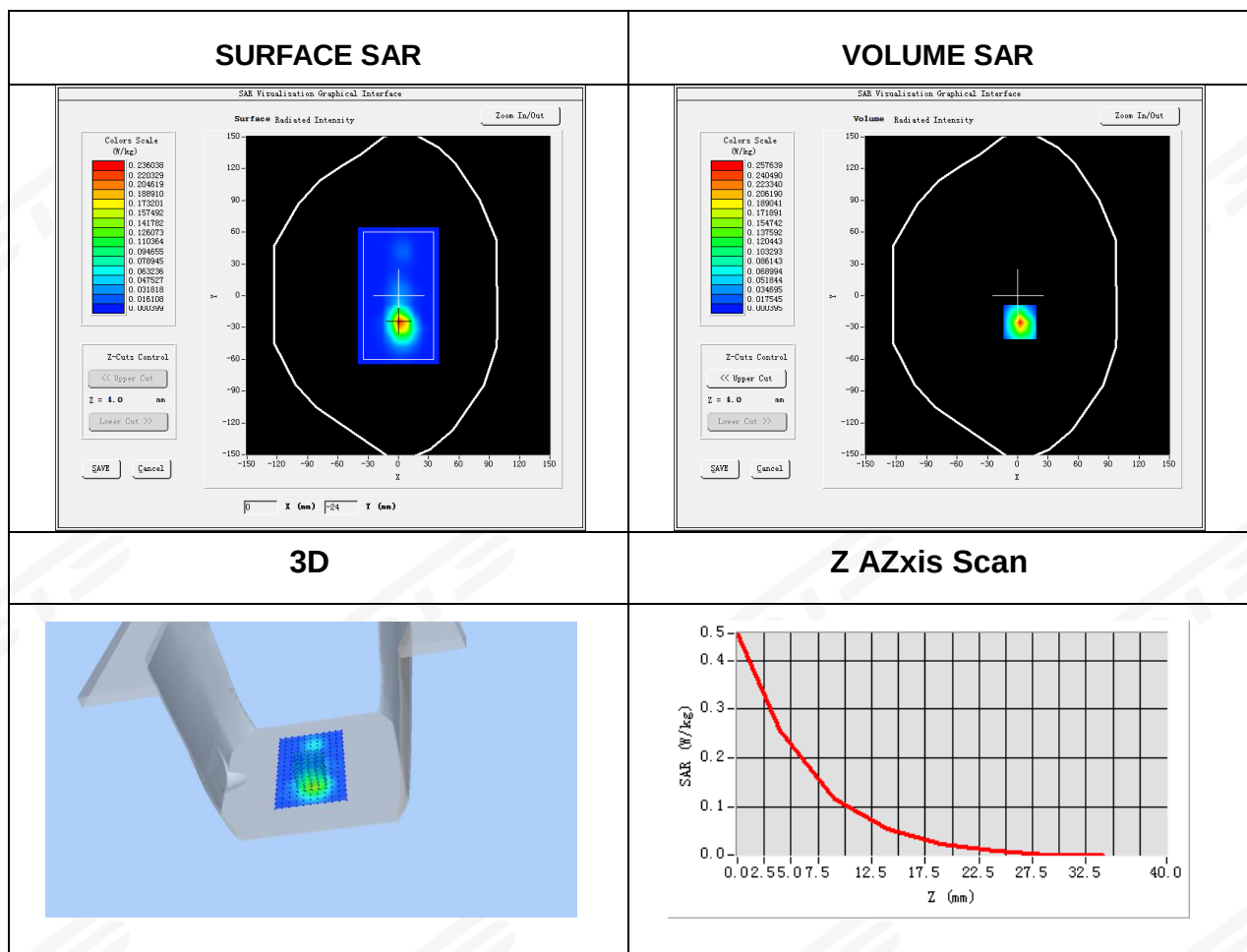
Plot 2: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-19
ConvF	1.80
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	2.4G WLAN_ANT_2
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2462
Relative permittivity (real part)	40.06
Conductivity (S/m)	1.87

Maximum location: X=2.00, Y=-25.00

SAR Peak: 0.45 W/kg

SAR 10g (W/Kg)	0.085732
SAR 1g (W/Kg)	0.227659





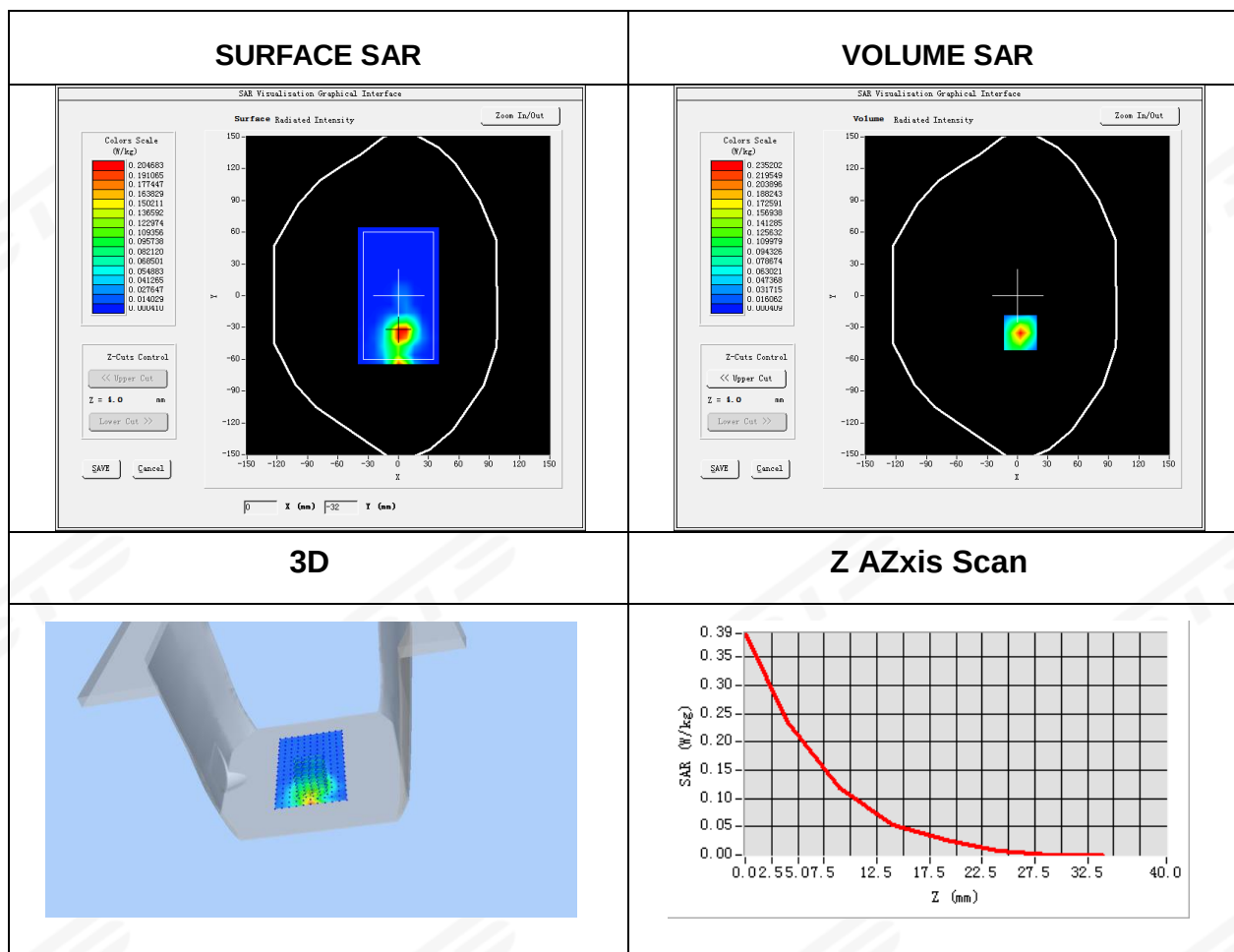
Plot 3: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-19
ConvF	1.80
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	2.4G WLAN_MIMO_ANT_1
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2452
Relative permittivity (real part)	39.96
Conductivity (S/m)	1.78

Maximum location: X=3.00, Y=-35.00

SAR Peak: 0.39 W/kg

SAR 10g (W/Kg)	0.088116
SAR 1g (W/Kg)	0.212815





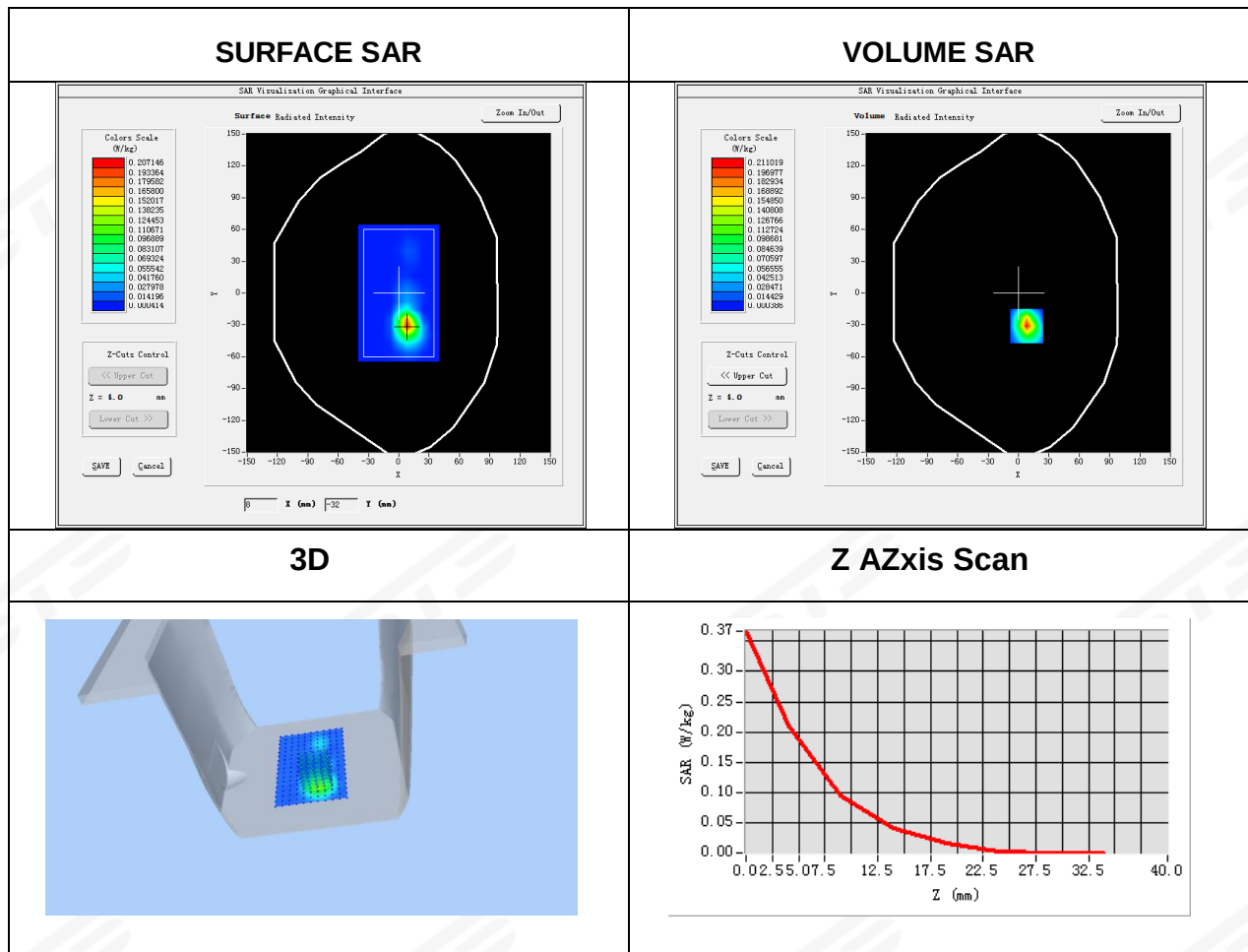
Plot 4: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-19
ConvF	1.80
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	5x5x7, dx=8mm, dy=8mm, dz=5mm
Phantom	Validation plane
Device Position	Back Side
Band	2.4G WLAN_MIMO_ANT_2
Signal	IEEE802.b (Crest factor: 1.0)
Frequency (MHz)	2452
Relative permittivity (real part)	39.96
Conductivity (S/m)	1.78

Maximum location: X=8.00, Y=-31.00

SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.069878
SAR 1g (W/Kg)	0.188022





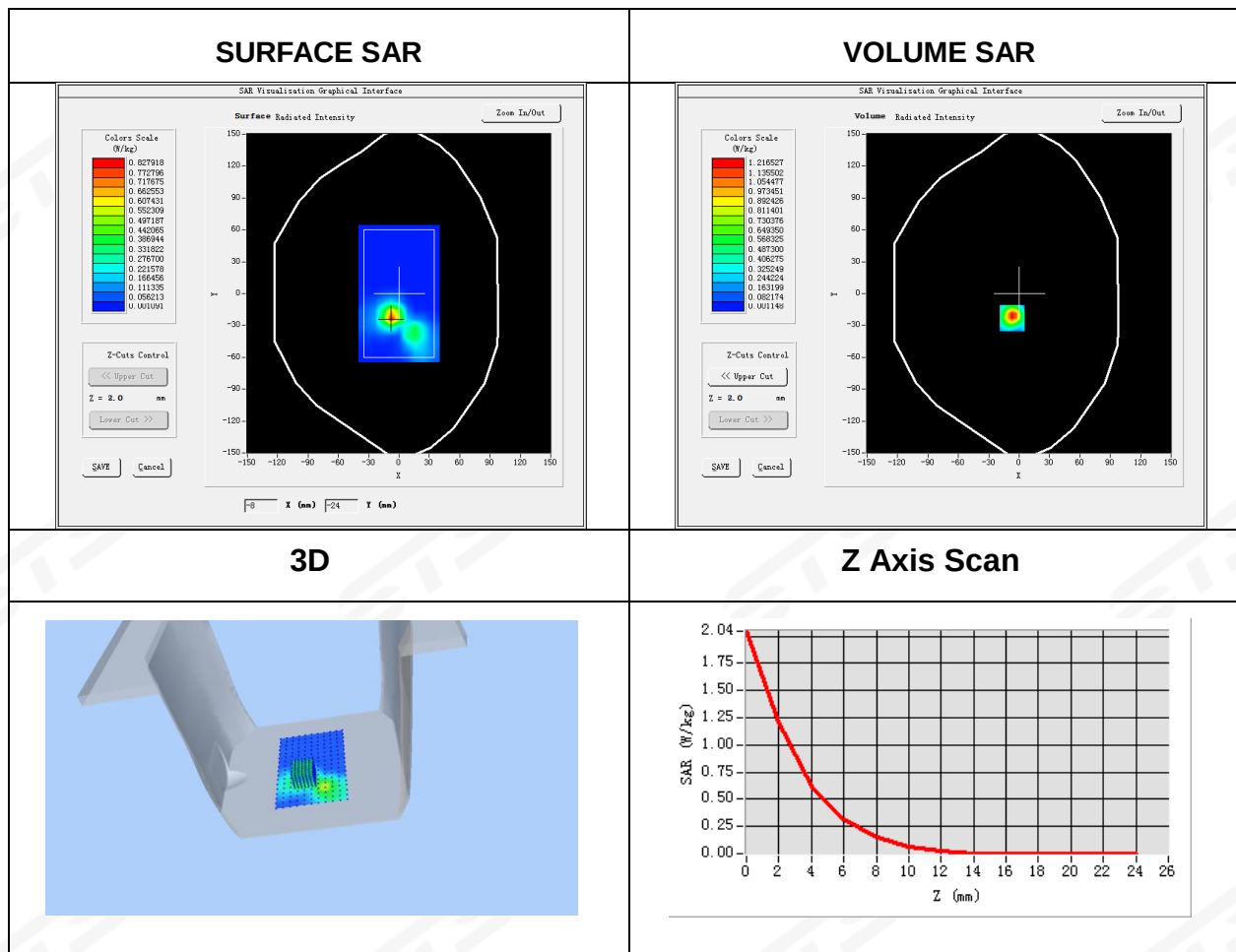
Plot 5: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-20
ConvF	1.33
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.2G WLAN_ANT_1
Signal	IEEE802.a(Crest factor: 1.0)
Frequency (MHz)	5240
Relative permittivity (real part)	36.15
Conductivity (S/m)	4.73

Maximum location: X=-7.00, Y=-23.00

SAR Peak: 2.20 W/kg

SAR 10g (W/Kg)	0.202472
SAR 1g (W/Kg)	0.666399





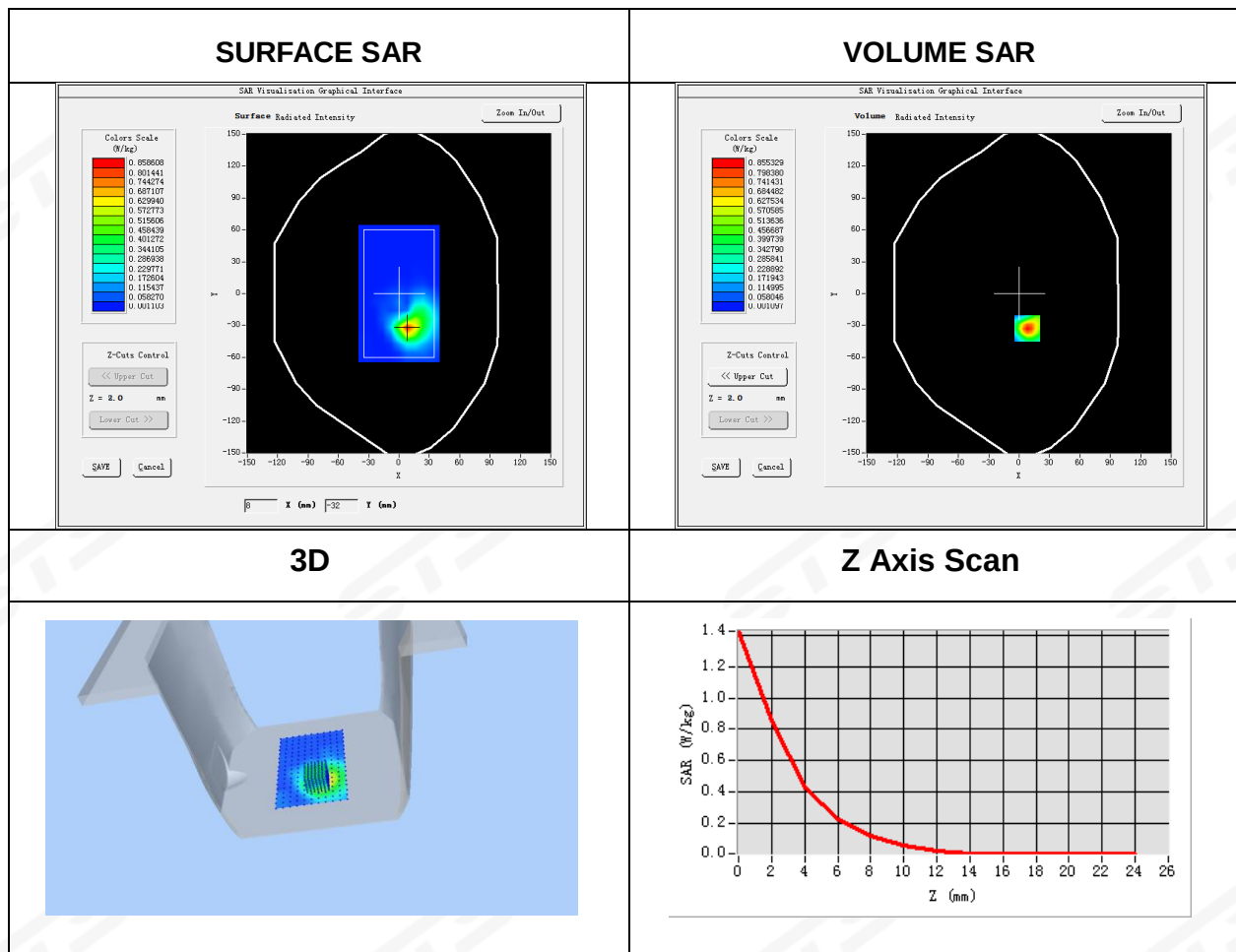
Plot 6: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-20
ConvF	1.33
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.2G WLAN_ANT_2
Signal	IEEE802.a(Crest factor: 1.0)
Frequency (MHz)	5240
Relative permittivity (real part)	36.15
Conductivity (S/m)	4.73

Maximum location: X=8.00, Y=-33.00

SAR Peak: 1.49 W/kg

SAR 10g (W/Kg)	0.159571
SAR 1g (W/Kg)	0.472604





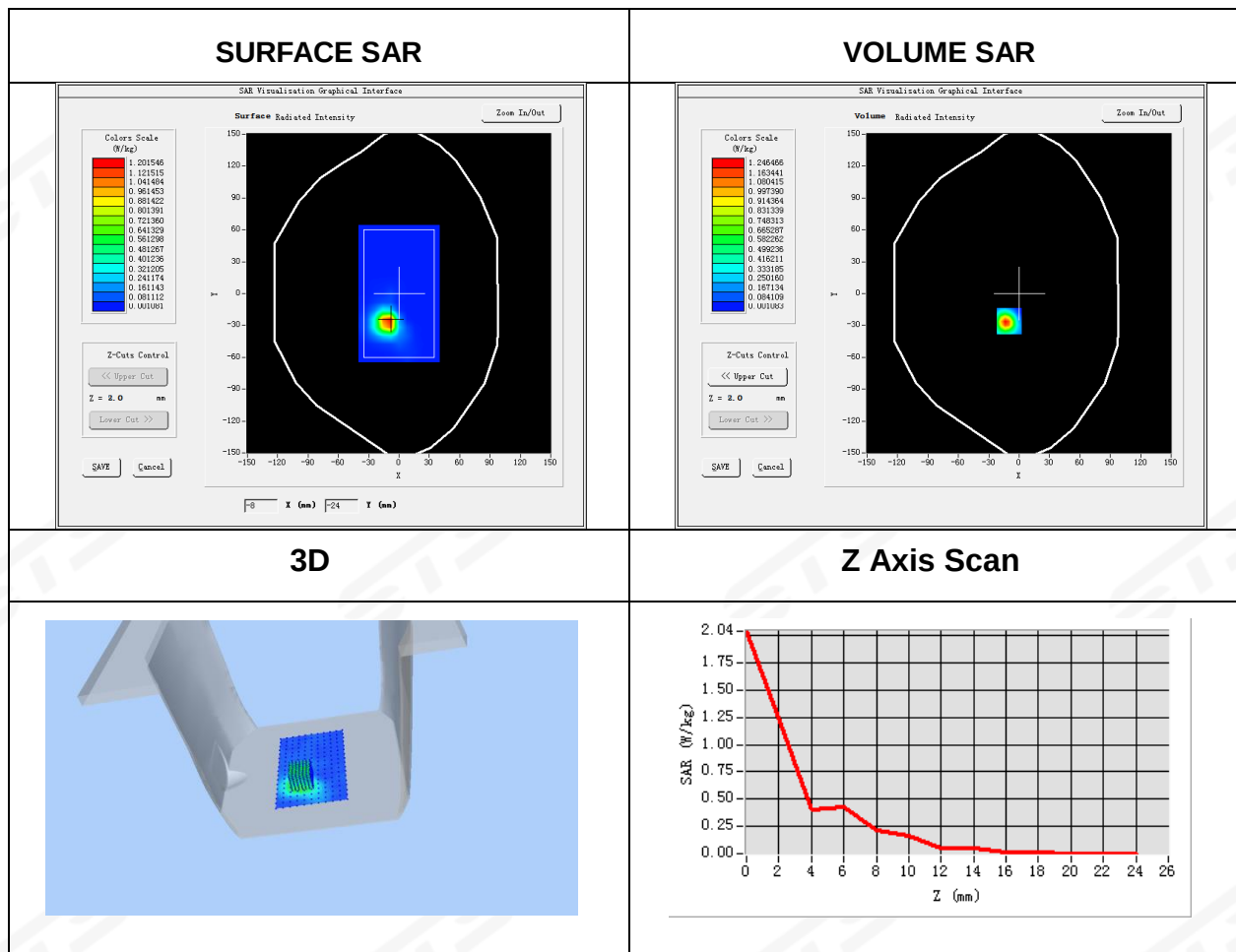
Plot 7: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-20
ConvF	1.33
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.2G WLAN_MIMO_ANT_1
Signal	IEEE802.a(Crest factor: 1.0)
Frequency (MHz)	5240
Relative permittivity (real part)	36.15
Conductivity (S/m)	4.73

Maximum location: X=-10.00, Y=-26.00

SAR Peak: 2.08 W/kg

SAR 10g (W/Kg)	0.205415
SAR 1g (W/Kg)	0.697370





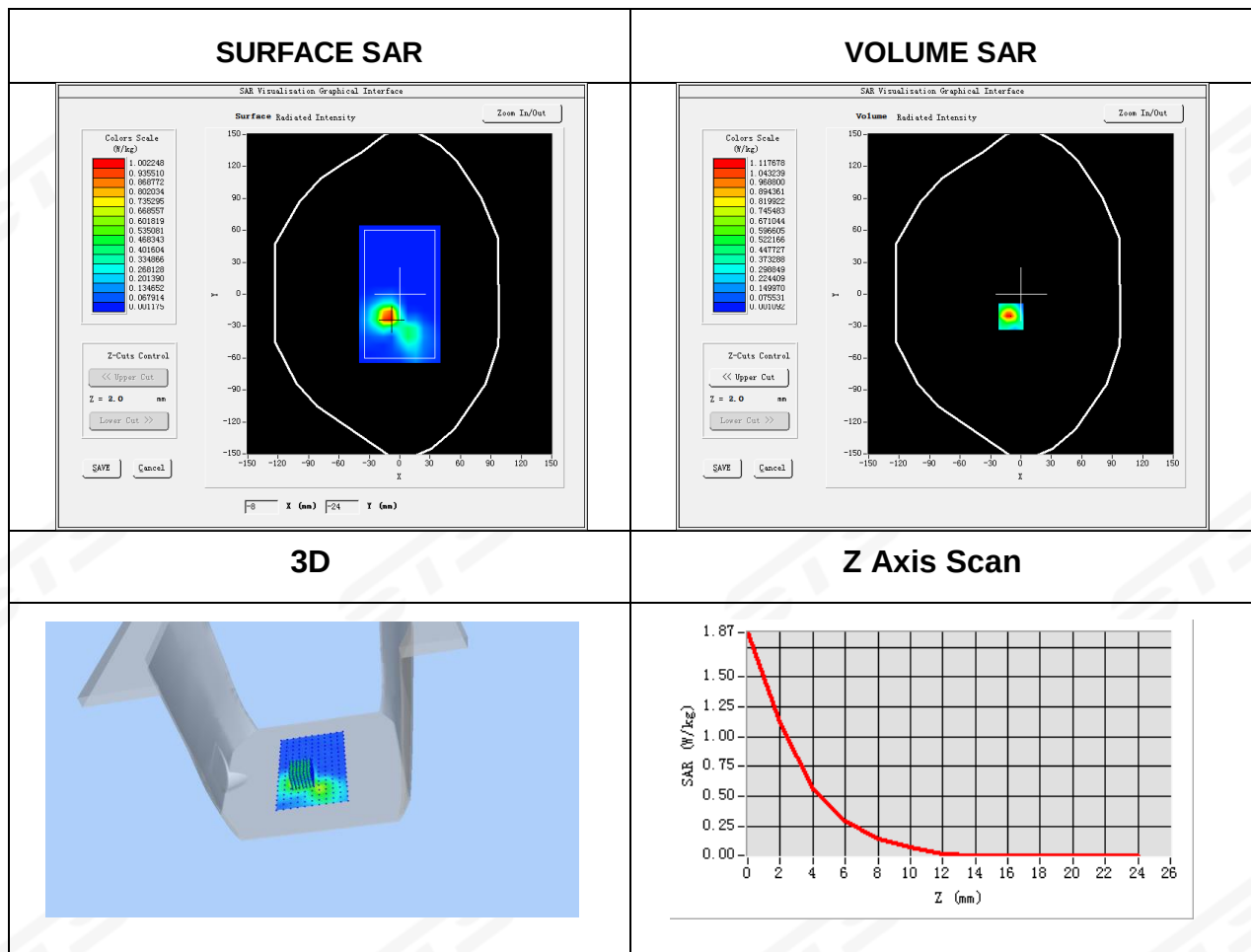
Plot 8: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-20
ConvF	1.33
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.2G WLAN_MIMO_ANT_2
Signal	IEEE802.a(Crest factor: 1.0)
Frequency (MHz)	5240
Relative permittivity (real part)	36.15
Conductivity (S/m)	4.73

Maximum location: X=-10.00, Y=-21.00

SAR Peak: 2.03 W/kg

SAR 10g (W/Kg)	0.178410
SAR 1g (W/Kg)	0.602442





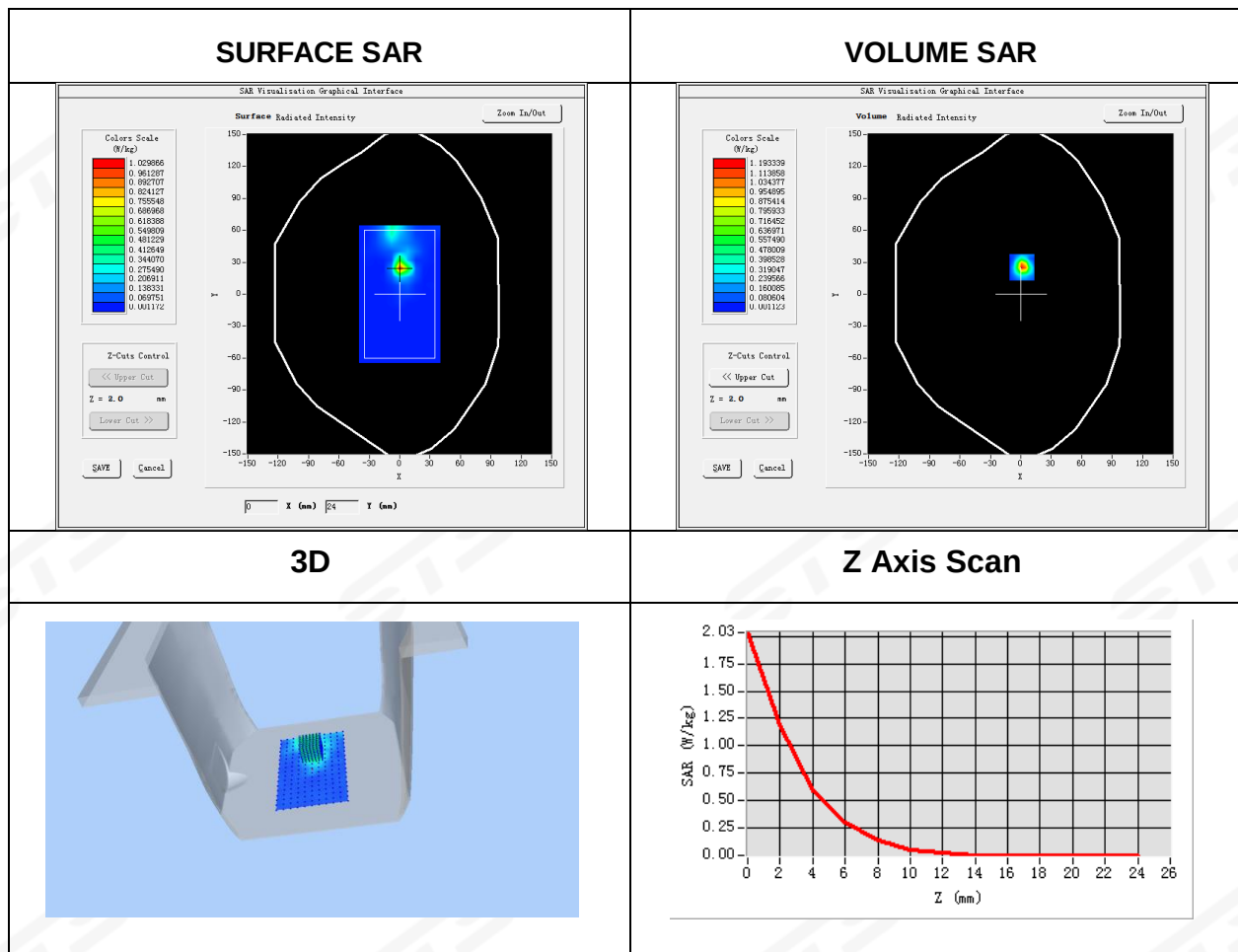
Plot 9: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-20
ConvF	1.35
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.8G WLAN_ANT_1
Signal	IEEE802.a(Crest factor: 1.0)
Frequency (MHz)	5825
Relative permittivity (real part)	36.58
Conductivity (S/m)	5.33

Maximum location: X=1.00, Y=25.00

SAR Peak: 2.24 W/kg

SAR 10g (W/Kg)	0.119736
SAR 1g (W/Kg)	0.550506





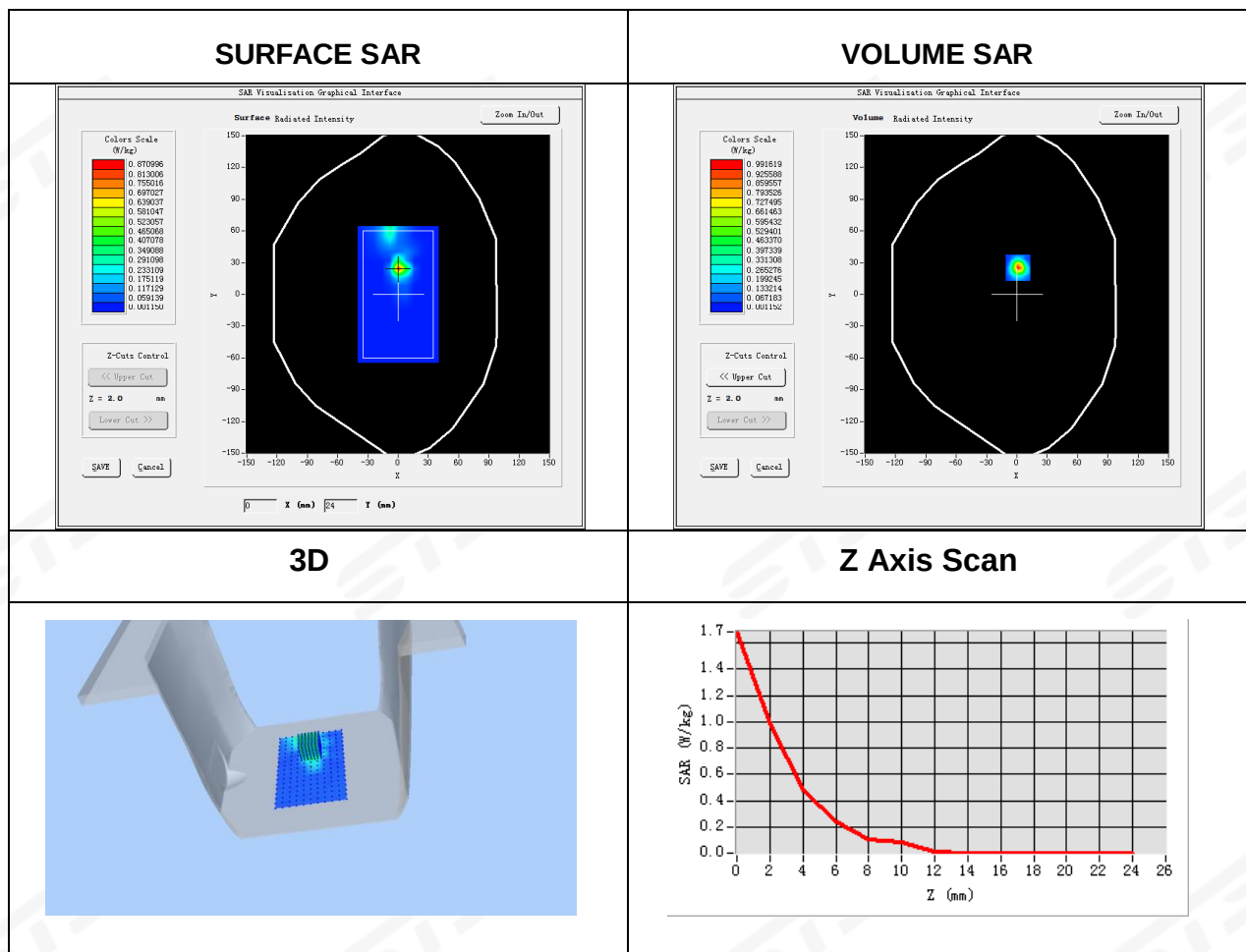
Plot 10: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-20
ConvF	1.35
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.8G WLAN_ANT_2
Signal	IEEE802.a(Crest factor: 1.0)
Frequency (MHz)	5825
Relative permittivity (real part)	36.58
Conductivity (S/m)	5.33

Maximum location: X=1.00, Y=25.00

SAR Peak: 1.83 W/kg

SAR 10g (W/Kg)	0.098837
SAR 1g (W/Kg)	0.477349





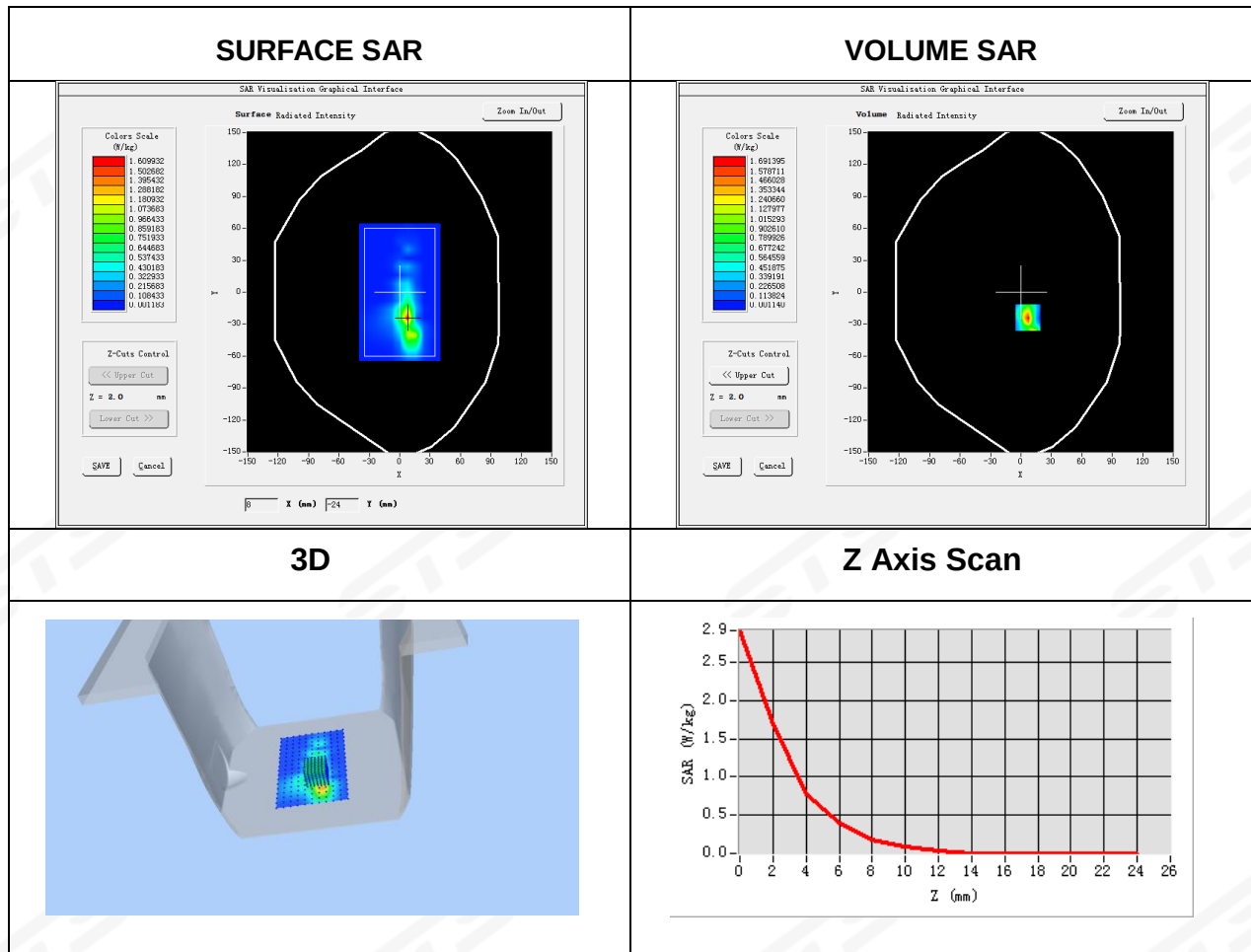
Plot 11: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-20
ConvF	1.35
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.8G WLAN_MIMO_ANT_1
Signal	IEEE802.a(Crest factor: 1.0)
Frequency (MHz)	5775
Relative permittivity (real part)	35.92
Conductivity (S/m)	5.15

Maximum location: X=7.00, Y=-24.00

SAR Peak: 3.06 W/kg

SAR 10g (W/Kg)	0.225951
SAR 1g (W/Kg)	0.791744





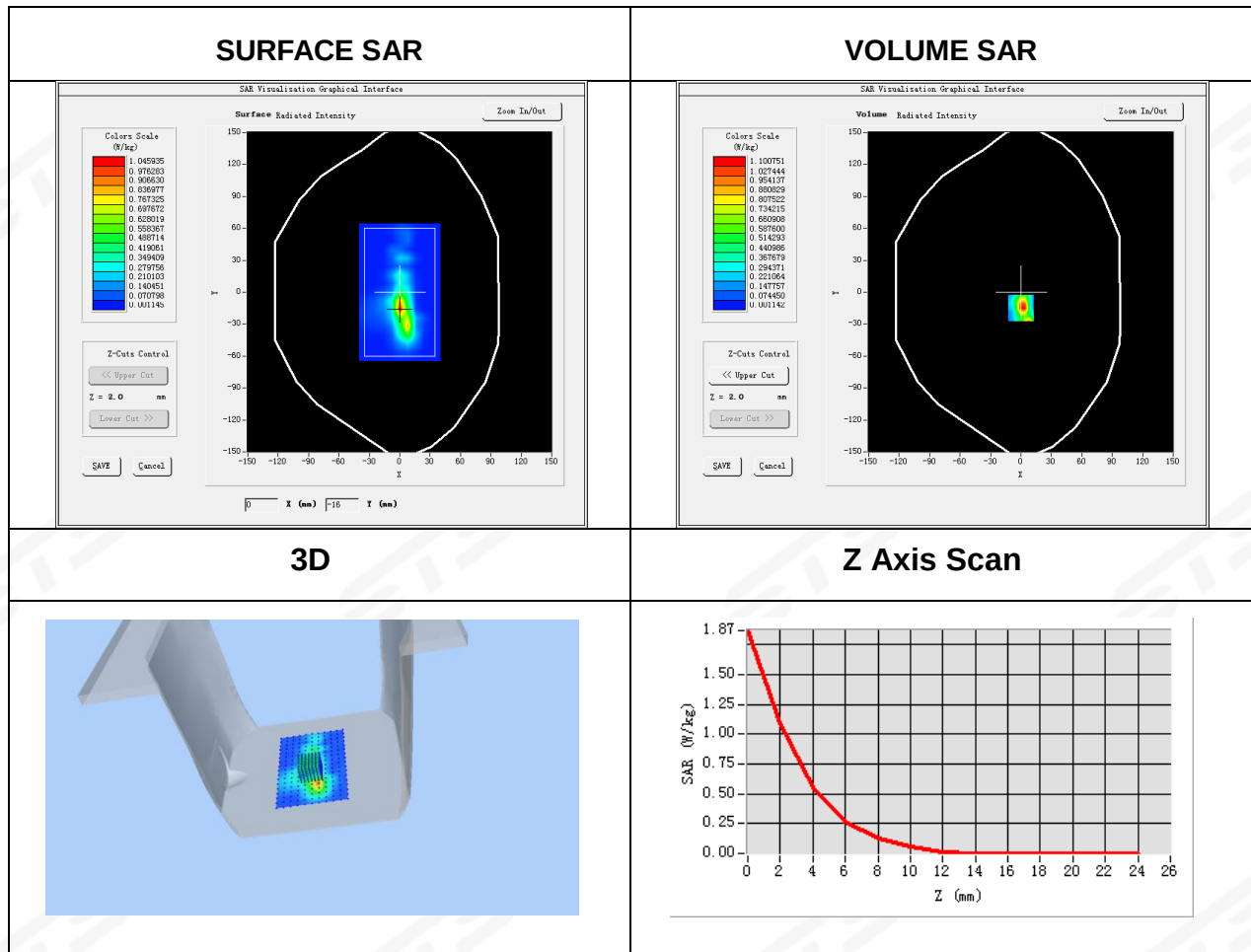
Plot 12: DUT: Travel Lite; EUT Model: TL44-53M

Test Date	2025-03-20
ConvF	1.35
Probe	SN 08/21 EPGO352
Area Scan	dx=8mm, dy=8mm, h= 5.00 mm
Zoom Scan	7x7x12, dx=4mm, dy=4mm, dz=2mm,
Phantom	Validation plane
Device Position	Back Side
Band	5.8G WLAN_MIMO_ANT_2
Signal	IEEE802.a(Crest factor: 1.0)
Frequency (MHz)	5775
Relative permittivity (real part)	35.92
Conductivity (S/m)	5.15

Maximum location: X=0.00, Y=-15.00

SAR Peak: 2.14 W/kg

SAR 10g (W/Kg)	0.163900
SAR 1g (W/Kg)	0.579704





Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

※※※※END OF THE REPORT※※※※