

SAR Plots

- Verification Plots
- SAR Test Plots

Dt&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.827$ S/m; $\epsilon_r = 38.78$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.96, 4.76, 4.64); Calibrated: 1/22/2024 Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-04-01; Ambient Temp: 21.3; Tissue Temp: 21.2

2 450 MHz System Verification (100 mW)

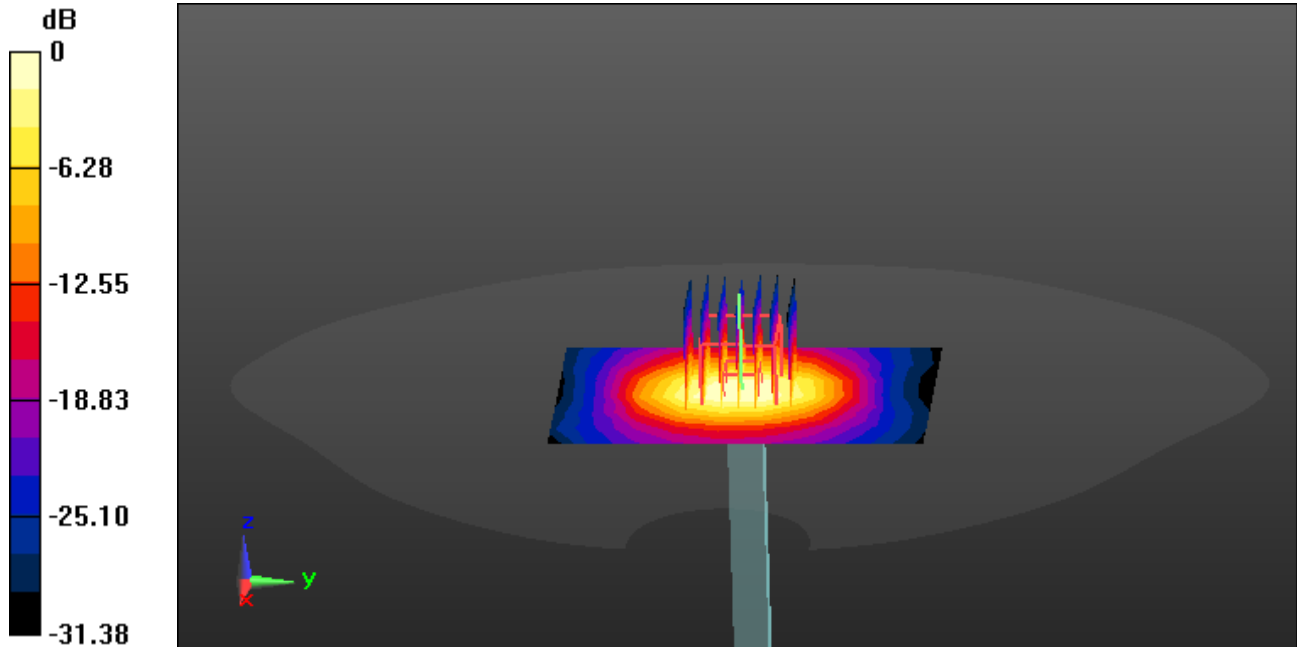
Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = 0.18 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.34 W/kg; SAR(10 g) = 2.43 W/kg



0 dB = 6.01 W/kg

Dt&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.828$ S/m; $\epsilon_r = 38.76$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.96, 4.76, 4.64); Calibrated: 1/22/2024 Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-04-02; Ambient Temp: 21.6; Tissue Temp: 21.5

2 450 MHz System Verification (100 mW)

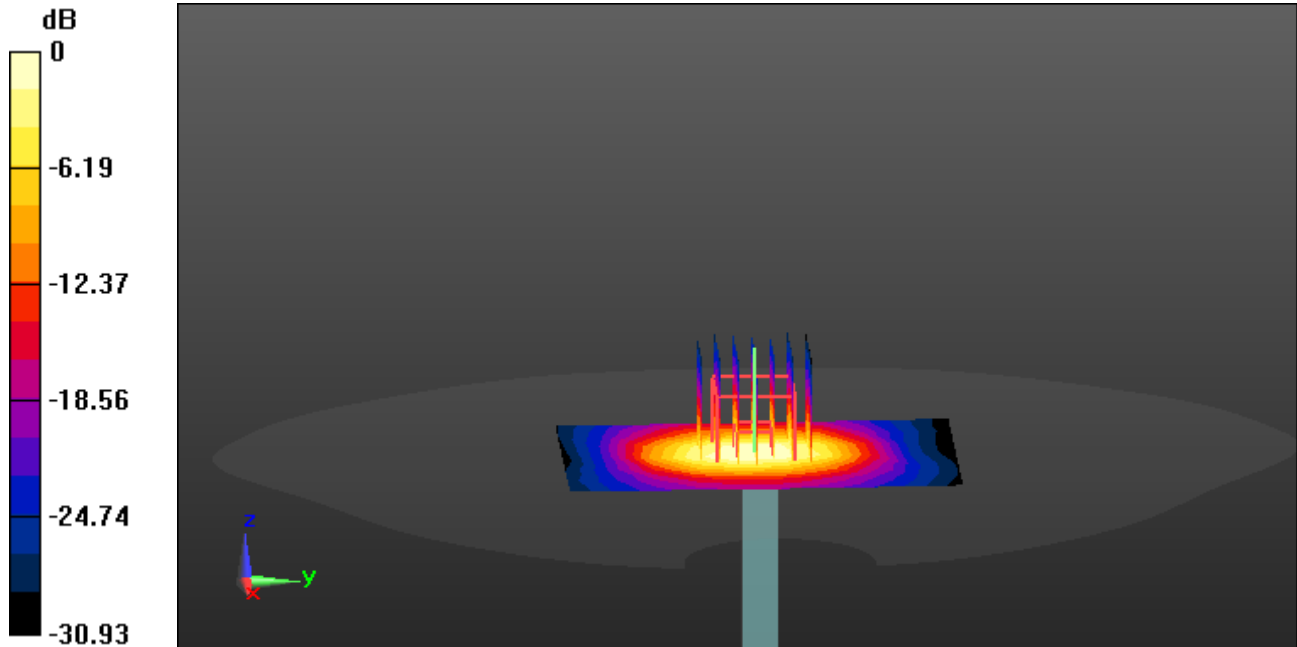
Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = 0.18 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.43 W/kg; SAR(10 g) = 2.47 W/kg



0 dB = 6.09 W/kg

Dt&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.829$ S/m; $\epsilon_r = 38.754$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.96, 4.76, 4.64); Calibrated: 1/22/2024 Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-04-03; Ambient Temp: 21.4; Tissue Temp: 21.3

2 450 MHz System Verification (100 mW)

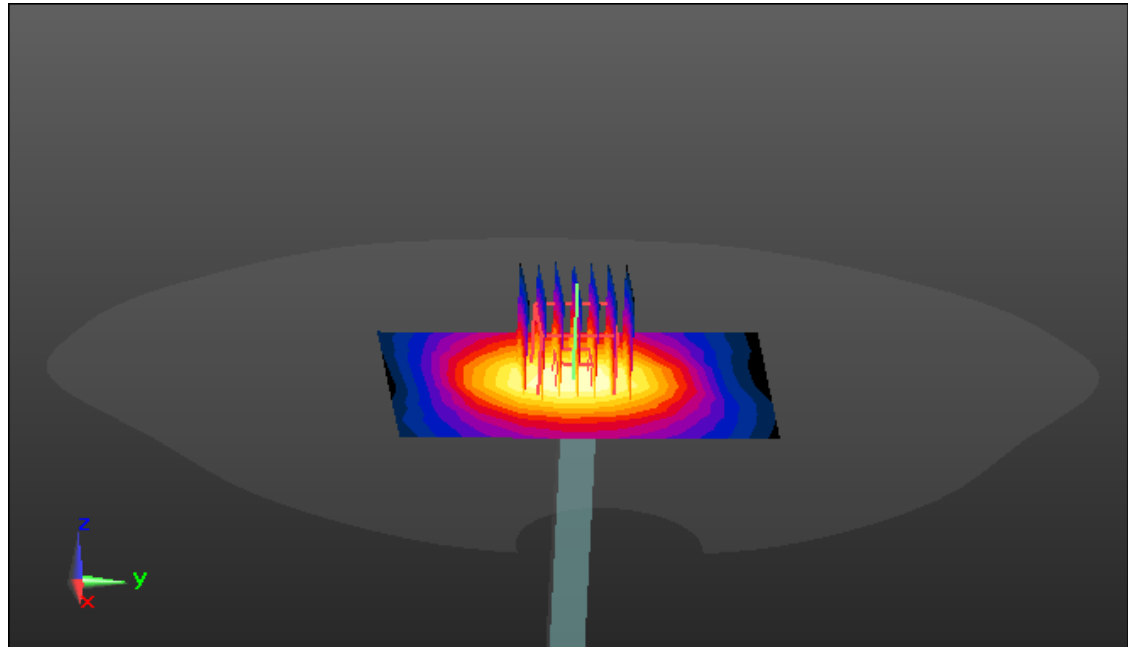
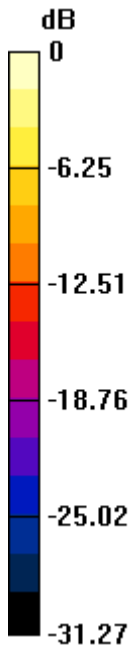
Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = 0.18 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.43 W/kg



0 dB = 6.08 W/kg

Dt&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.813$ S/m; $\epsilon_r = 39.009$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

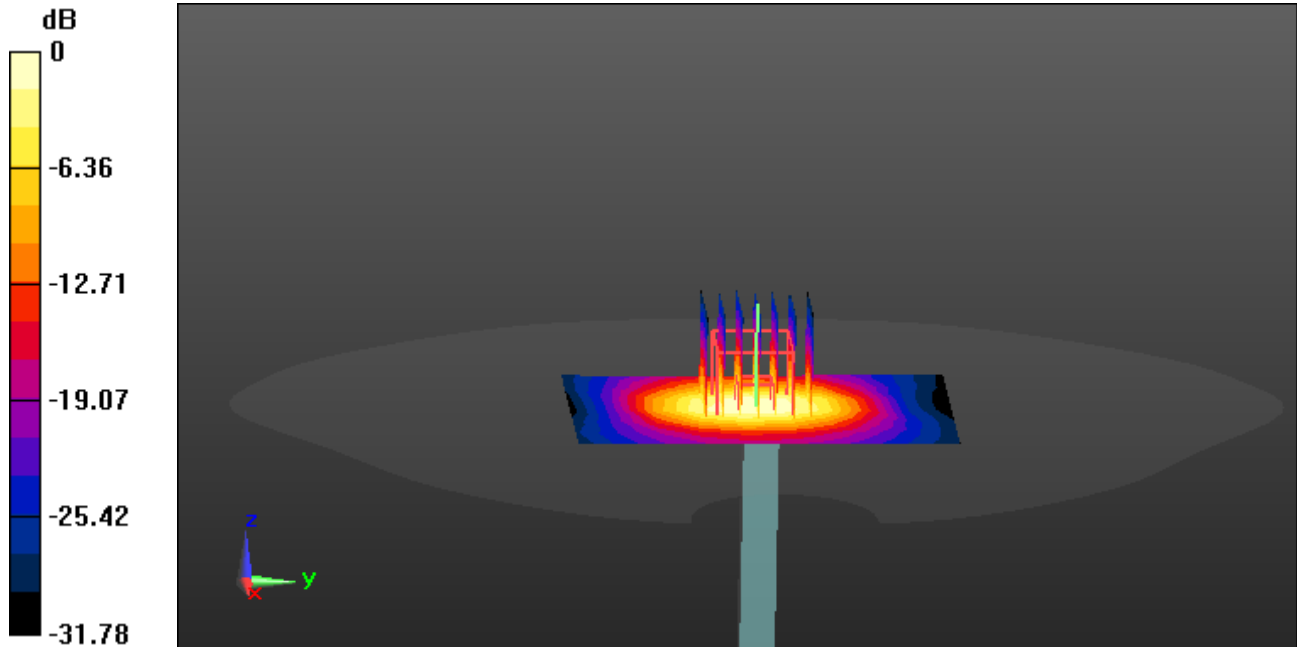
DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.96, 4.76, 4.64); Calibrated: 1/22/2024 Electronics: DAE4 Sn1391
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-04-05; Ambient Temp: 20.9; Tissue Temp: 20.8

2 450 MHz System Verification (100 mW)

Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm
/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 11.5 W/kg
SAR(1 g) = 5.31 W/kg; SAR(10 g) = 2.42 W/kg



0 dB = 5.76 W/kg

Dt&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.813$ S/m; $\epsilon_r = 39.009$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(7.75, 7.75, 7.75); Calibrated: 7/17/2023 Electronics: DAE4 Sn1391
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-04-05; Ambient Temp: 20.9; Tissue Temp: 20.8

2 450 MHz System Verification (100 mW)

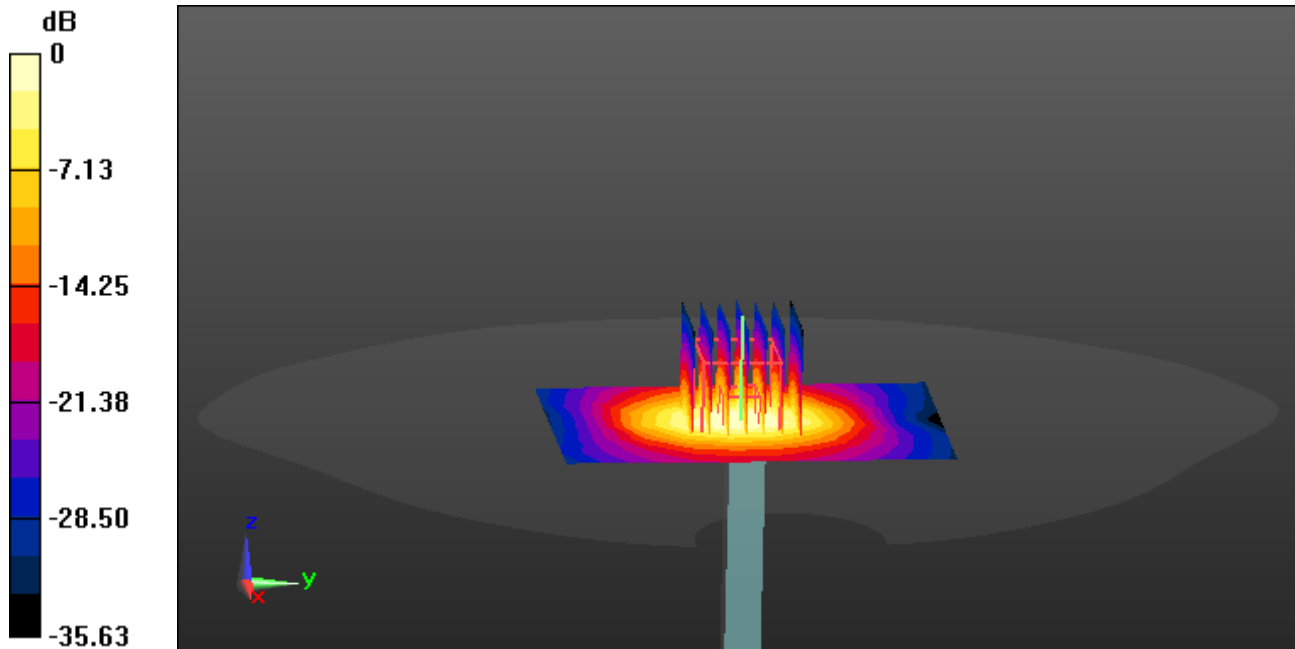
Area Scan (7x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 2.5 W/kg



0 dB = 7.31 W/kg

Dt&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5300 \text{ MHz}$; $\sigma = 4.949 \text{ S/m}$; $\epsilon_r = 36.829$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.42, 5.42, 5.42); Calibrated: 10/26/2023 Electronics: DAE4 Sn1396
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2024-05-09; Ambient Temp: 20.8; Tissue Temp: 20.8

5 300 MHz System Verification (100 mW)

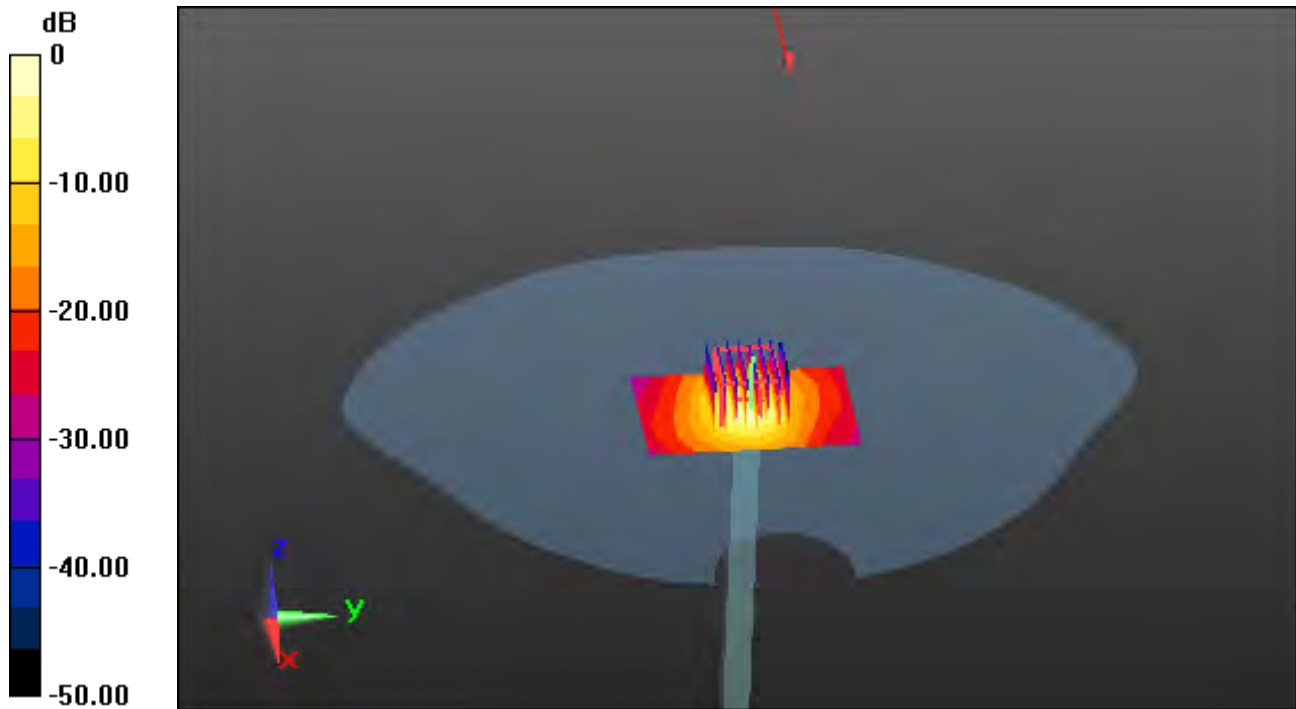
Area Scan (6x9x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio:1.4

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 35.8 W/kg

SAR(1 g) = 8.35 W/kg; SAR(10 g) = 2.38 W/kg



Dt&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5500$ MHz; $\sigma = 4.834$ S/m; $\epsilon_r = 37.032$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.89, 4.89, 4.89); Calibrated: 10/26/2023 Electronics: DAE4 Sn1396
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2024-05-10; Ambient Temp: 20.7; Tissue Temp: 20.5

5 500 MHz System Verification (100 mW)

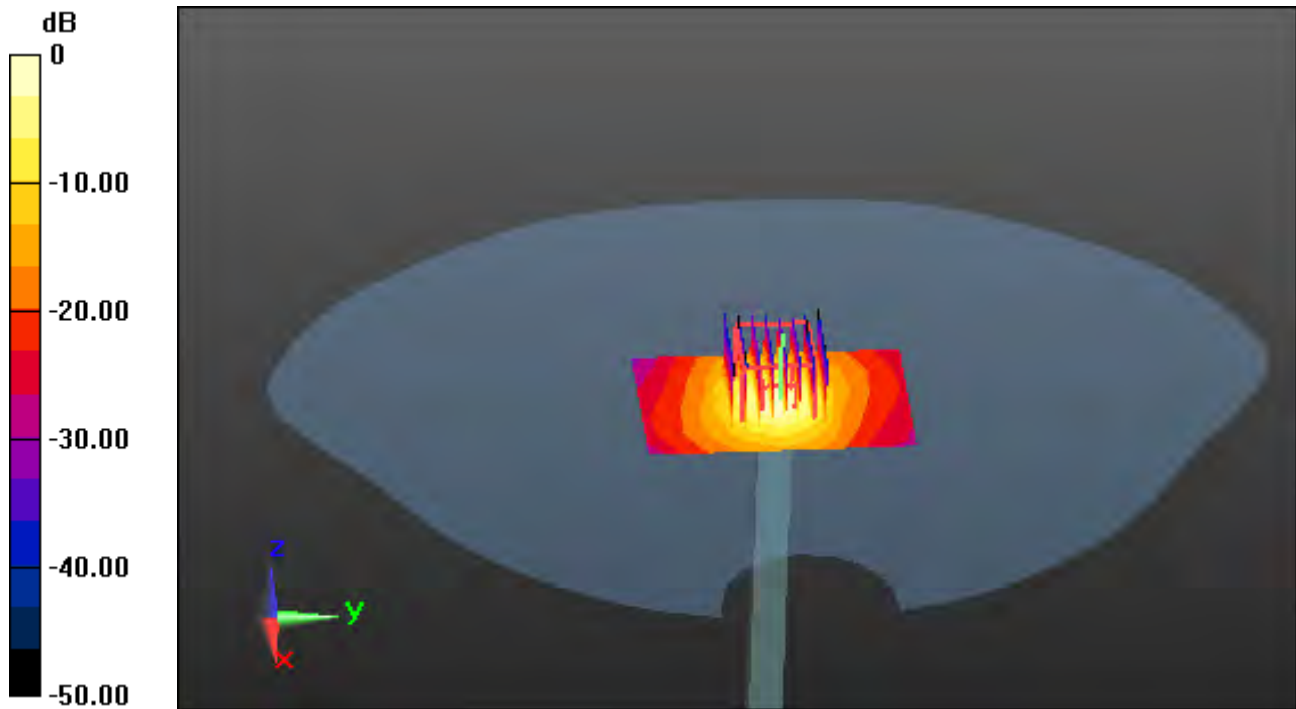
Area Scan (6x9x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 33.8 W/kg

SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.25 W/kg



0 dB = 19.3 W/kg

Dt&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 4.959$ S/m; $\epsilon_r = 36.833$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.75, 4.75, 4.75); Calibrated: 10/26/2023 Electronics: DAE4 Sn1396
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2024-05-10; Ambient Temp: 20.7; Tissue Temp: 20.5

5 600 MHz System Verification (100 mW)

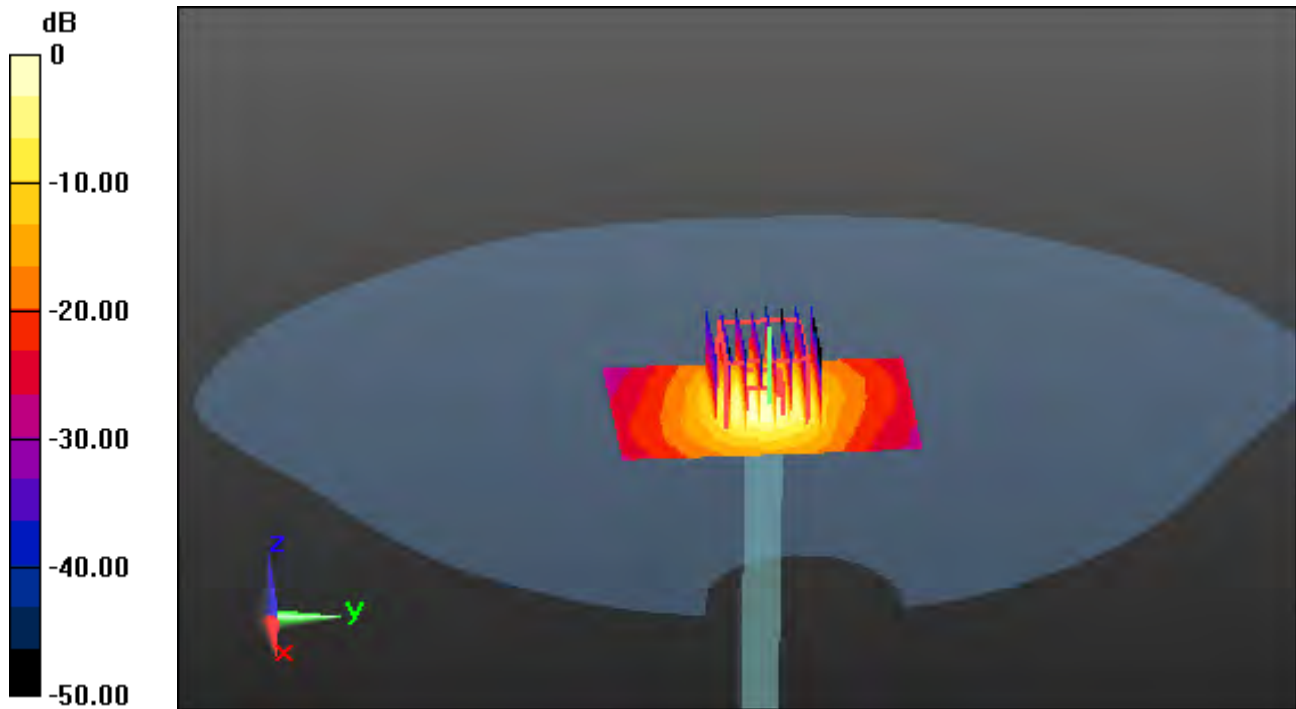
Area Scan (6x9x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 35.3 W/kg

SAR(1 g) = 8.08 W/kg; SAR(10 g) = 2.29 W/kg



Dt&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.208 \text{ S/m}$; $\epsilon_r = 36.444$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.85, 4.85, 4.85); Calibrated: 10/26/2023 Electronics: DAE4 Sn1396
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2024-05-10; Ambient Temp: 20.7; Tissue Temp: 20.5

5 800 MHz System Verification (100 mW)

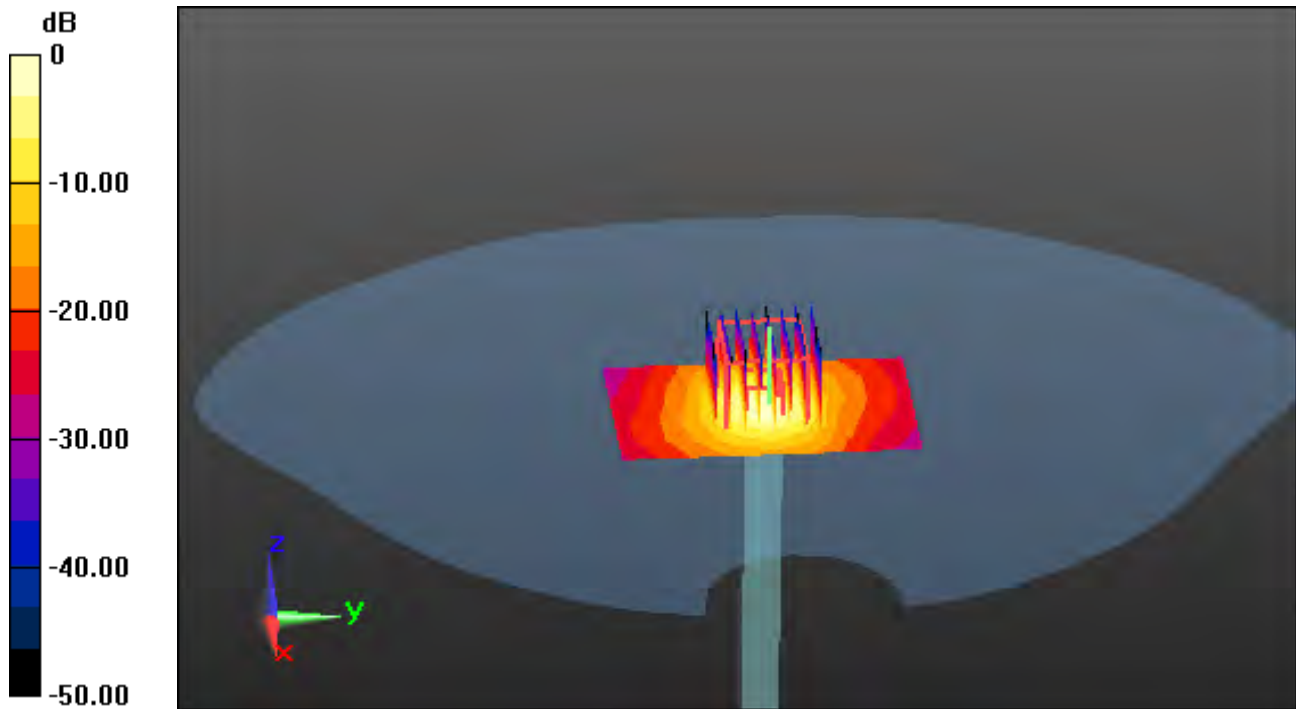
Area Scan (6x9x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio:1.4

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 7.63 W/kg; SAR(10 g) = 2.16 W/kg



System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D6.5GHzV2 - SN1017	6500.0	HSL	13.98

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5		CW, 0--	6500.0, 0	5.46	6.13	34.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 - 1679	HBBL-600-10000, 2024-Apr-19	EX3DV4 - SN7368, 2023-11-27	DAE4 Sn1391, 2024-02-16

Scan Setup

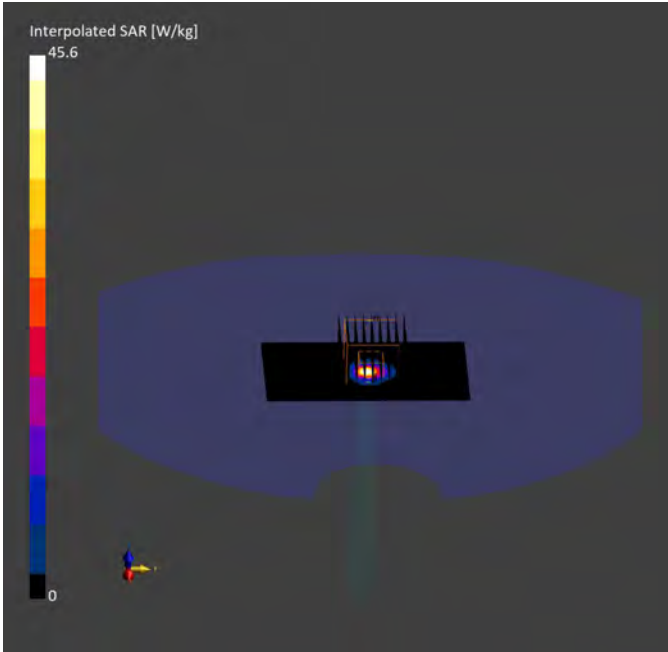
	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19, 09:10	2024-04-19, 09:22
psSAR1g [W/kg]	6.04	7.01
psSAR10g [W/kg]	1.15	1.27
psAPD (1.0cm2, sq) [W/m2]		70.1
psAPD (4.0cm2, sq) [W/m2]		31.0
Power Drift [dB]	0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.6
Dist 3dB Peak [mm]		4.4

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D6.5GHzV2 - SN1017	6500.0	HSL	13.98

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5		CW, 0--	6500.0, 0	5.46	6.11	33.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 - 1679	HBBL-600-10000, 2024-Apr-22	EX3DV4 - SN7368, 2023-11-27	DAE4 Sn1391, 2024-02-16

Scan Setup

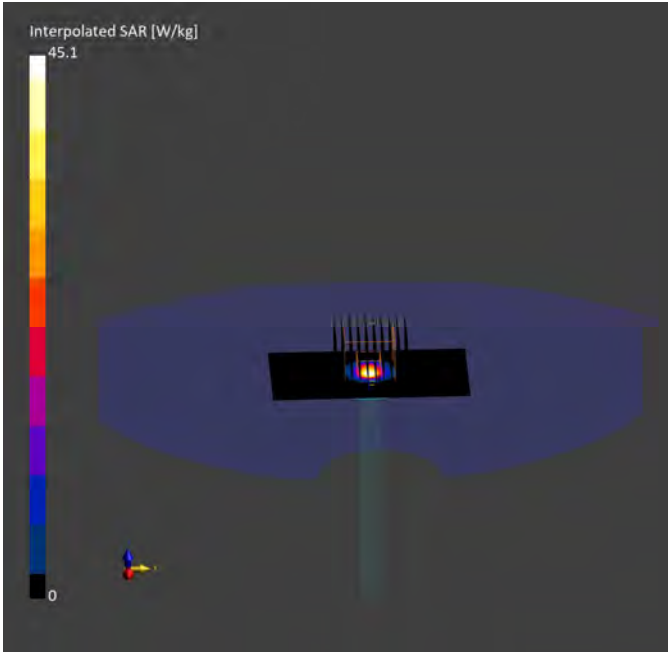
	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-22, 09:21	2024-04-22, 09:32
psSAR1g [W/kg]	5.79	7.48
psSAR10g [W/kg]	1.23	1.41
psAPD (1.0cm2, sq) [W/m2]		74.8
psAPD (4.0cm2, sq) [W/m2]		34.3
Power Drift [dB]	-0.00	-0.12
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.5
Dist 3dB Peak [mm]		4.6

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D6.5GHzV2 - SN1017	6500.0	HSL	13.98

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5		CW, 0--	6500.0, 0	5.46	6.13	33.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 - 1679	HBBL-600-10000, 2024-Apr-24	EX3DV4 - SN7368, 2023-11-27	DAE4 Sn1391, 2024-02-16

Scan Setup

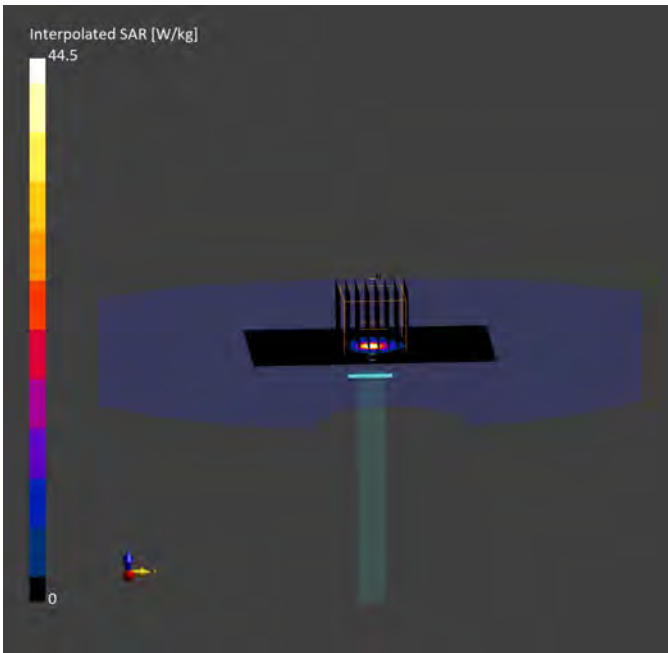
	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-24, 09:18	2024-04-24, 09:27
psSAR1g [W/kg]	5.94	6.98
psSAR10g [W/kg]	1.11	1.26
psAPD (1.0cm2, sq) [W/m2]		69.8
psAPD (4.0cm2, sq) [W/m2]		30.8
Power Drift [dB]	-0.03	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		4.8

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D7GHzV2 - SN1015	7000.0	HSL	13.98

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5		CW, 0--	7000.0, 0	5.61	6.69	33.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 - 1679	HBBL-600-10000, 2024-Apr-19	EX3DV4 - SN7368, 2023-11-27	DAE4 Sn1391, 2024-02-16

Scan Setup

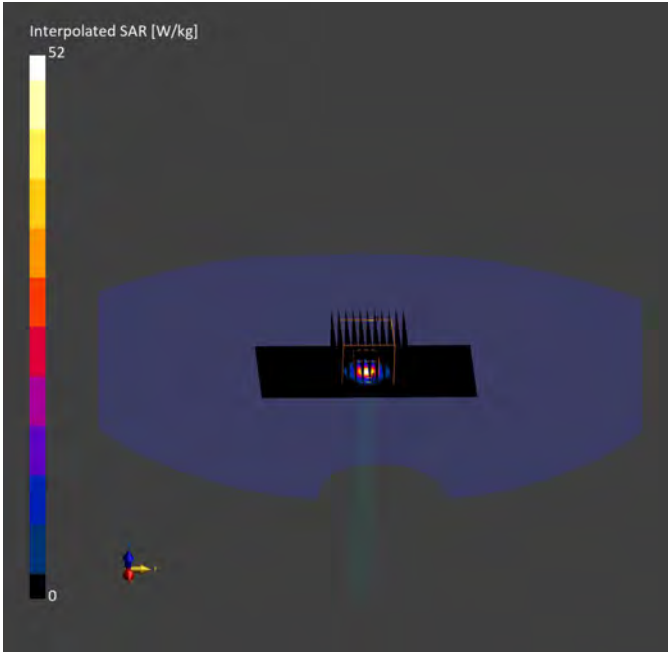
	Area Scan	Zoom Scan
Grid Extents [mm]	45.0 x 90.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.0 x 3.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-19, 10:58	2024-04-19, 10:14
psSAR1g [W/kg]	6.20	6.94
psSAR10g [W/kg]	1.11	1.18
psAPD (1.0cm2, sq) [W/m2]		69.4
psAPD (4.0cm2, sq) [W/m2]		29.0
Power Drift [dB]	-0.08	-0.10
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.0
Dist 3dB Peak [mm]		4.3

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D7GHzV2 - SN1015	7000.0	HSL	13.98

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5		CW, 0--	7000.0, 0	5.61	6.69	32.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 - 1679	HBBL-600-10000, 2024-Apr-22	EX3DV4 - SN7368, 2023-11-27	DAE4 Sn1391, 2024-02-16

Scan Setup

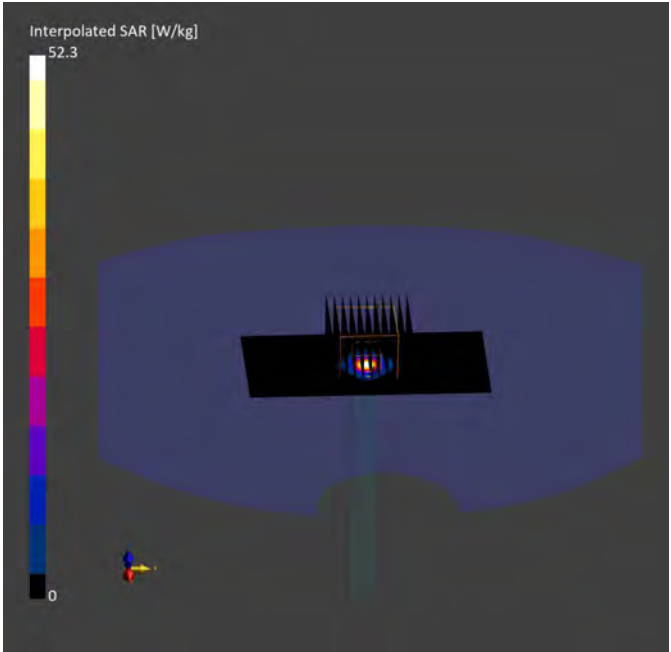
	Area Scan	Zoom Scan
Grid Extents [mm]	45.0 x 90.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.0 x 3.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-22, 10:03	2024-04-22, 10:19
psSAR1g [W/kg]	6.29	6.99
psSAR10g [W/kg]	1.13	1.19
psAPD (1.0cm2, sq) [W/m2]		69.9
psAPD (4.0cm2, sq) [W/m2]		29.2
Power Drift [dB]	-0.02	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.1
Dist 3dB Peak [mm]		4.3

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]
D7GHzV2 - SN1015	7000.0	HSL	13.98

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5		CW, 0--	7000.0, 0	5.61	6.71	33.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 - 1679	HBBL-600-10000, 2024-Apr-24	EX3DV4 - SN7368, 2023-11-27	DAE4 Sn1391, 2024-02-16

Scan Setup

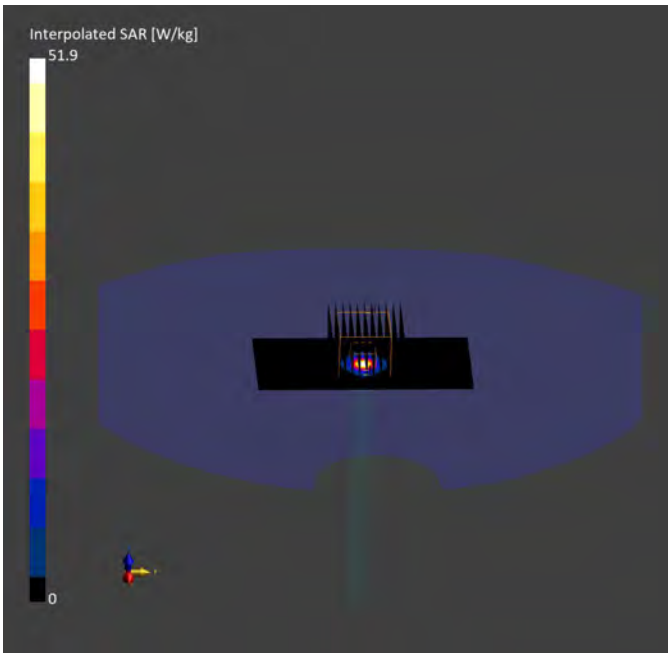
	Area Scan	Zoom Scan
Grid Extents [mm]	45.0 x 90.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.0 x 3.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-24, 09:56	2024-04-24, 10:12
psSAR1g [W/kg]	6.20	6.94
psSAR10g [W/kg]	1.11	1.18
psAPD (1.0cm2, sq) [W/m2]		69.4
psAPD (4.0cm2, sq) [W/m2]		29.0
Power Drift [dB]	-0.03	-0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.2
Dist 3dB Peak [mm]		4.4

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Dt&C Co., Ltd.

DUT: CLA-13; Type: CLA-13; Serial: 1030

Communication System: UID 0, CW (0); Frequency: 13 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 13 \text{ MHz}$; $\sigma = 0.73 \text{ S/m}$; $\epsilon_r = 54.39$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(17.92, 17.92, 17.92); Calibrated: 10/26/2023 Electronics: DAE4 Sn1396
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI v5.0_2017_03_08; Type: QDIVA001BB; Serial: 1223
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2024-04-01; Ambient Temp: 21.0; Tissue Temp: 20.9

13 MHz System Verification (250 mW)

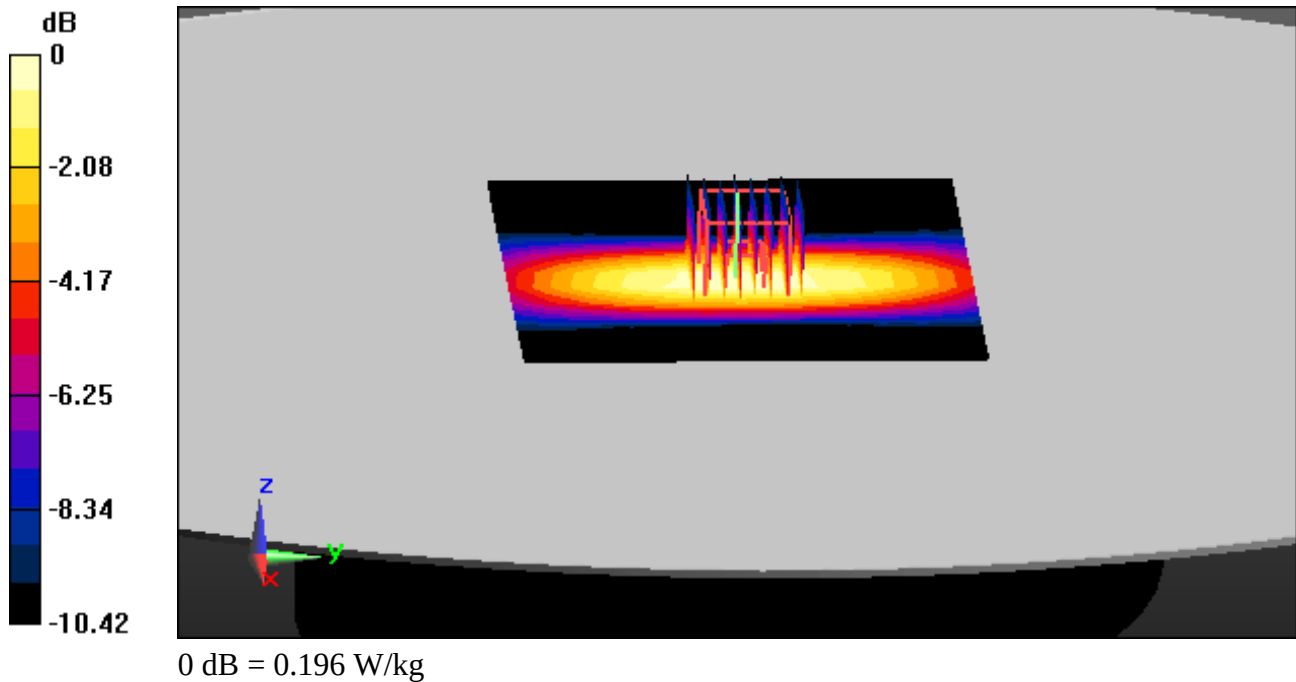
Area Scan (13x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio:1.4

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.315 W/kg

SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.080 W/kg



Dt&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.815$ S/m; $\epsilon_r = 38.995$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN7368; ConvF(7.31, 7.17, 7.07); Calibrated: 11/27/2023 Electronics: DAE4 Sn1391
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-04-09; Ambient Temp: 20.3; Tissue Temp: 20.2

2 450 MHz System Verification (100 mW)

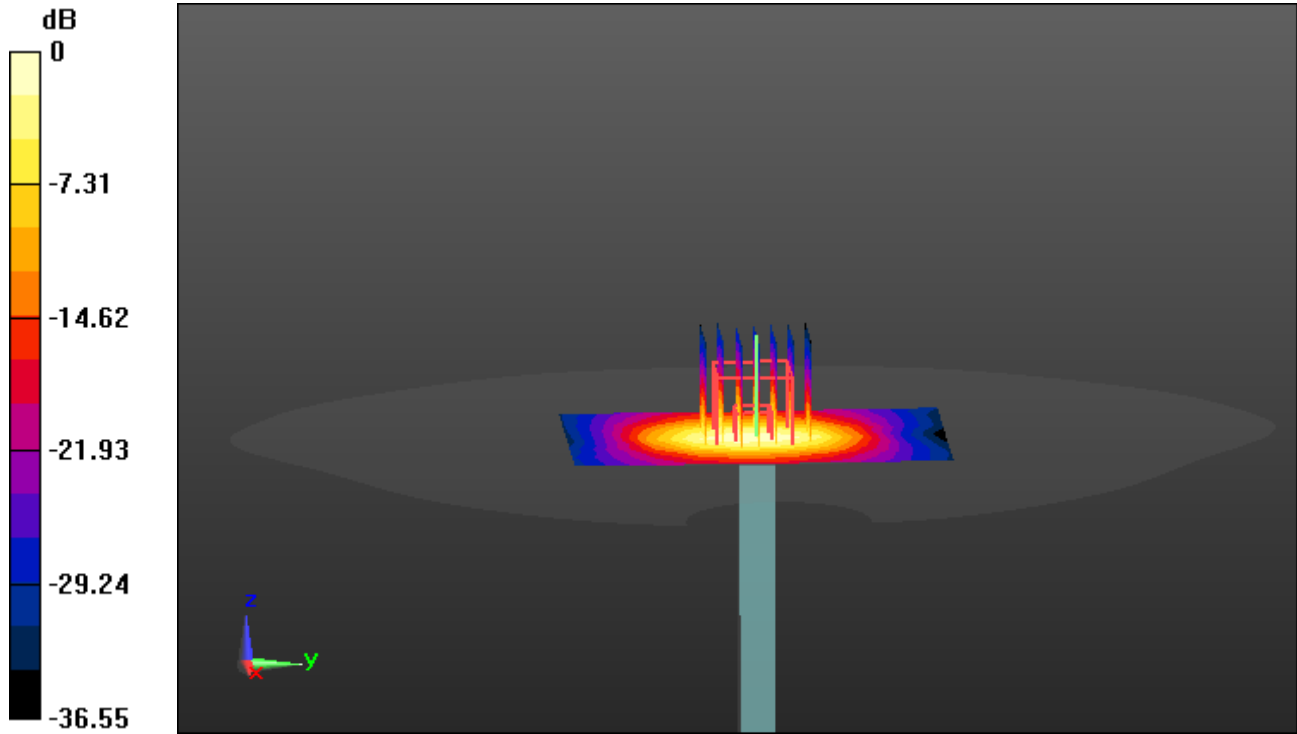
Area Scan (7x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.48 W/kg; SAR(10 g) = 2.51 W/kg



Measurement Report for Device, FRONT, Validation band, Channel 10000 (10000.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
10 GHz Horn Antenna	100.0 x 100.0 x 172.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1050	---Air	EUmmWV3 - SN9400_F1-55GHz, 2023-11-16	DAE4 Sn1453, 2023-09-20

Scan Setup

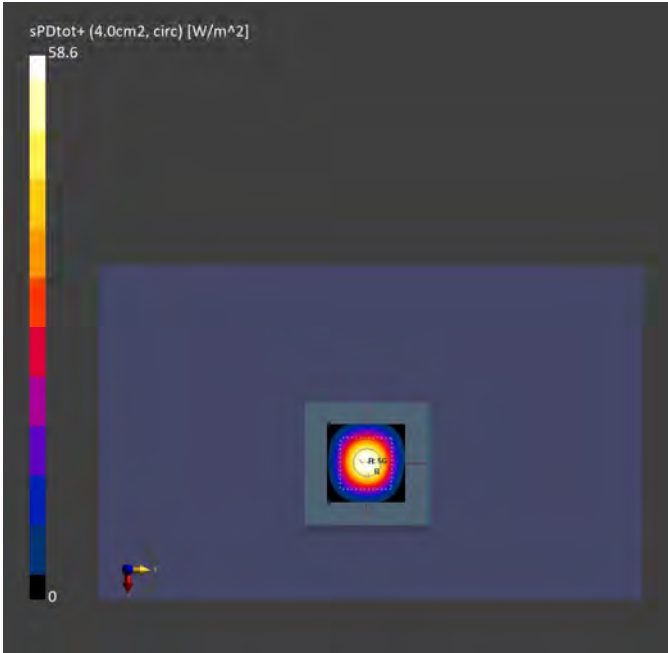
	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2024-05-17, 09:27
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	57.7
psPDtot+ [W/m²]	58.6
psPDmod+ [W/m²]	59.0
E _{max} [V/m]	152
Power Drift [dB]	0.04

Warning(s) / Error(s)

Details	5G Scan
Warning(s)	
Error(s)	



Measurement Report for Device, FRONT, Validation band, Channel 10000 (10000.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
10 GHz Horn Antenna	100.0 x 100.0 x 172.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1050	---Air	EUmmWV3 - SN9400_F1-55GHz, 2023-11-16	DAE4 Sn1453, 2023-09-20

Scan Setup

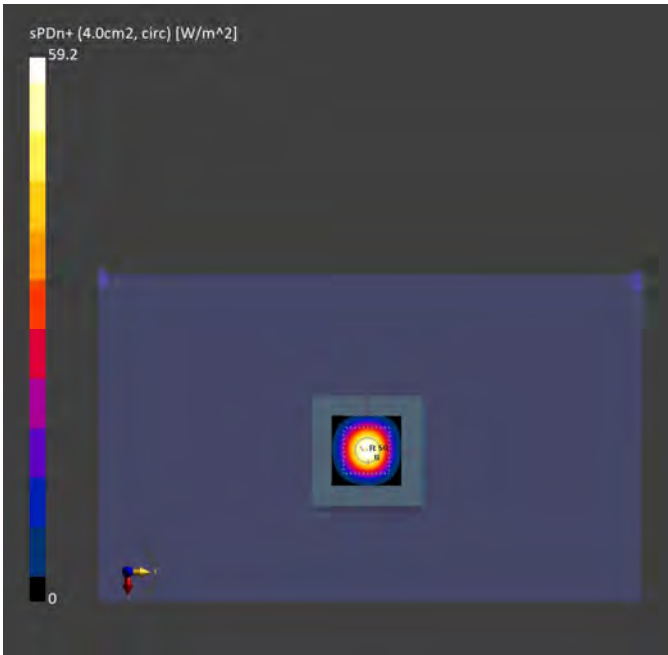
	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2024-05-20, 09:00
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	59.2
psPDtot+ [W/m²]	59.6
psPDmod+ [W/m²]	59.9
E _{max} [V/m]	154
Power Drift [dB]	0.03

Warning(s) / Error(s)

Details	5G Scan
Warning(s)	
Error(s)	



Measurement Report for Device, FRONT, Validation band, Channel 10000 (10000.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
10 GHz Horn Antenna	100.0 x 100.0 x 172.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1050	---Air	EUmmWV3 - SN9400_F1-55GHz, 2023-11-16	DAE4 Sn1453, 2023-09-20

Scan Setup

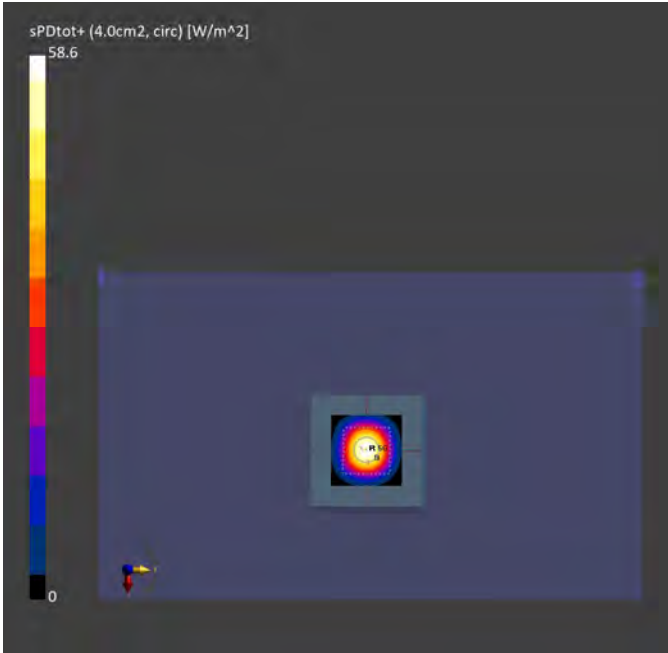
	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2024-05-22, 09:39
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	56.1
psPDtot+ [W/m²]	57.5
psPDmod+ [W/m²]	57.8
E _{max} [V/m]	152
Power Drift [dB]	-0.03

Warning(s) / Error(s)

Details	5G Scan
Warning(s)	
Error(s)	



Measurement Report for Device, FRONT, Validation band, Channel 10000 (10000.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
10 GHz Horn Antenna	100.0 x 100.0 x 172.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1050	---Air	EUmmWV3 - SN9400_F1-55GHz, 2024-07-12	DAE4 Sn1453, 2023-09-20

Scan Setup

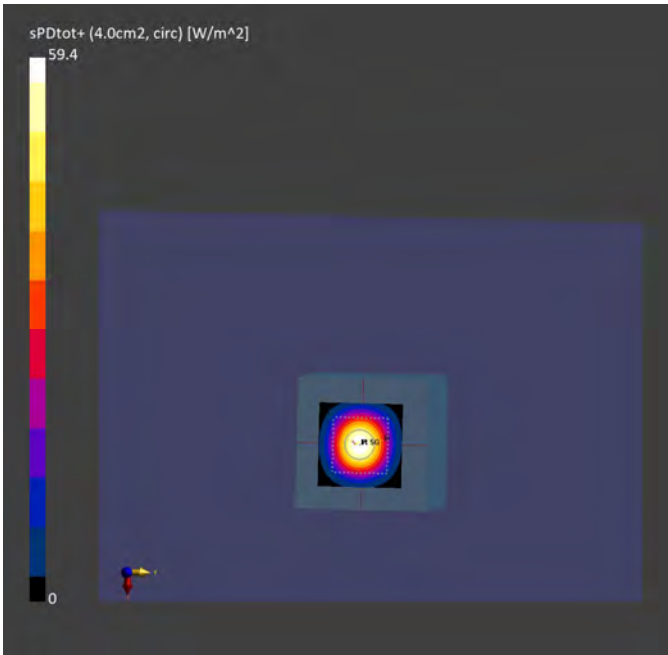
	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2024-08-05, 09:48
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	58.9
psPDtot+ [W/m²]	59.4
psPDmod+ [W/m²]	59.8
E _{max} [V/m]	155
Power Drift [dB]	0.02

Warning(s) / Error(s)

Details	5G Scan
Warning(s)	
Error(s)	



Dt&C Co., Ltd.

DUT: PM95W; Type: PDA

Communication System: UID 0, WLAN (2.4G FCC) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.811 \text{ S/m}$; $\epsilon_r = 38.838$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.96, 4.76, 4.64); Calibrated: 1/22/2024 Electronics: DAE3 Sn520

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-04-01; Ambient Temp: 21.3; Tissue Temp: 21.2

Left Touch, WLAN(802.11b) Ch. 6, Ant Internal, Standard Battery, Ant.8

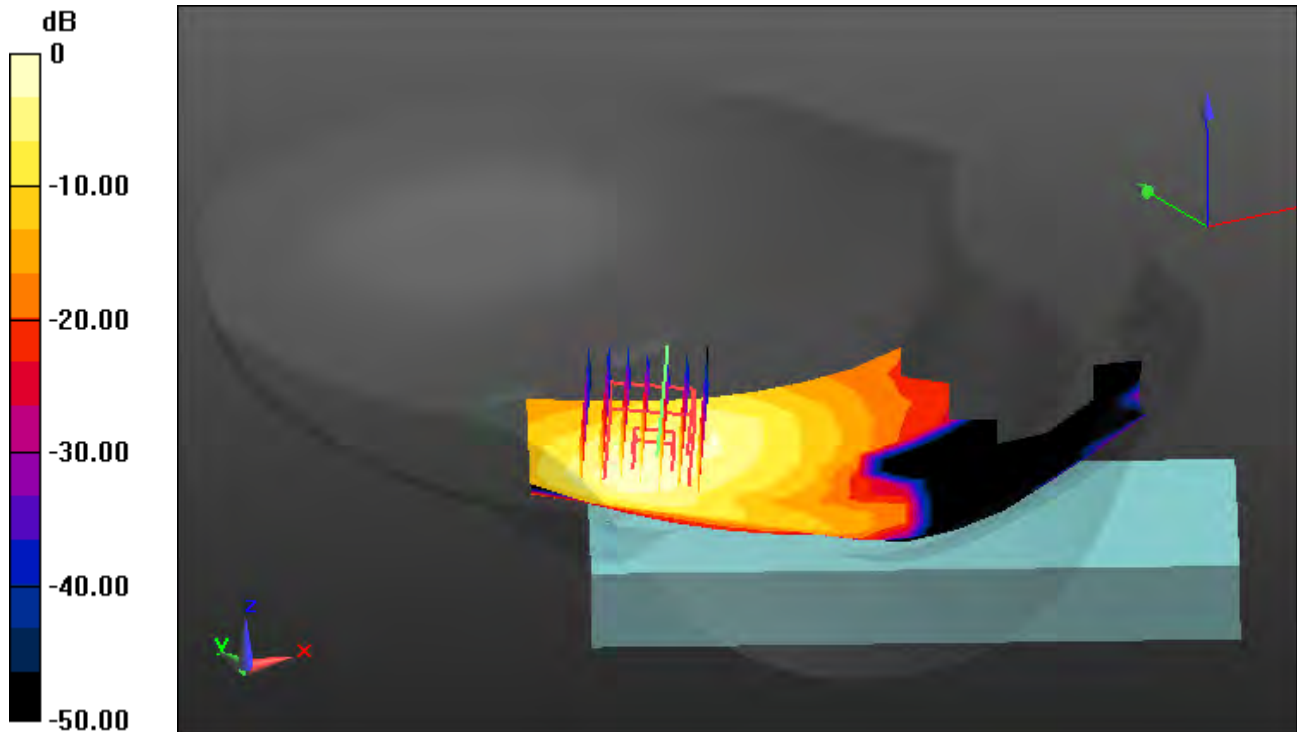
Area Scan (10x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.567 W/kg

SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.150 W/kg



0 dB = 0.349 W/kg

Dt&C Co., Ltd.

DUT: PM95W; Type: PDA

Communication System: UID 0, WLAN (2.4G FCC) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.812 \text{ S/m}$; $\epsilon_r = 38.816$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.96, 4.76, 4.64); Calibrated: 1/22/2024 Electronics: DAE3 Sn520

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-04-02; Ambient Temp: 21.6; Tissue Temp: 21.5

Right Touch, WLAN(802.11b) Ch. 6, Ant Internal, Standard Battery, Ant.9

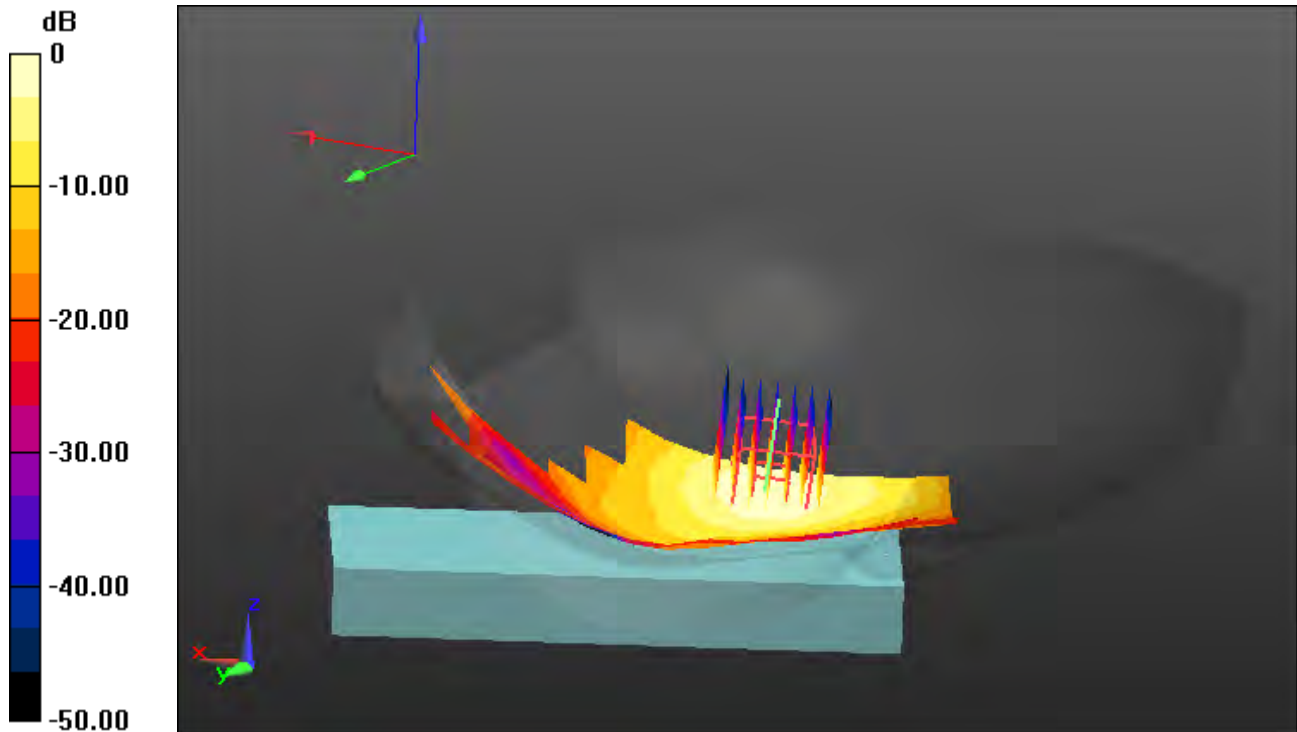
Area Scan (10x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.056 W/kg



0 dB = 0.131 W/kg

Dt&C Co., Ltd.

DUT: PM95W; Type: PDA

Communication System: UID 0, WLAN (2.4G FCC) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.812 \text{ S/m}$; $\epsilon_r = 38.811$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.96, 4.76, 4.64); Calibrated: 1/22/2024 Electronics: DAE3 Sn520

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Test Date: 2024-04-03; Ambient Temp: 21.4; Tissue Temp: 21.3

Left Tilt, WLAN(802.11ac VHT40) Ch. 6, Ant Internal, Standard Battery, MIMO

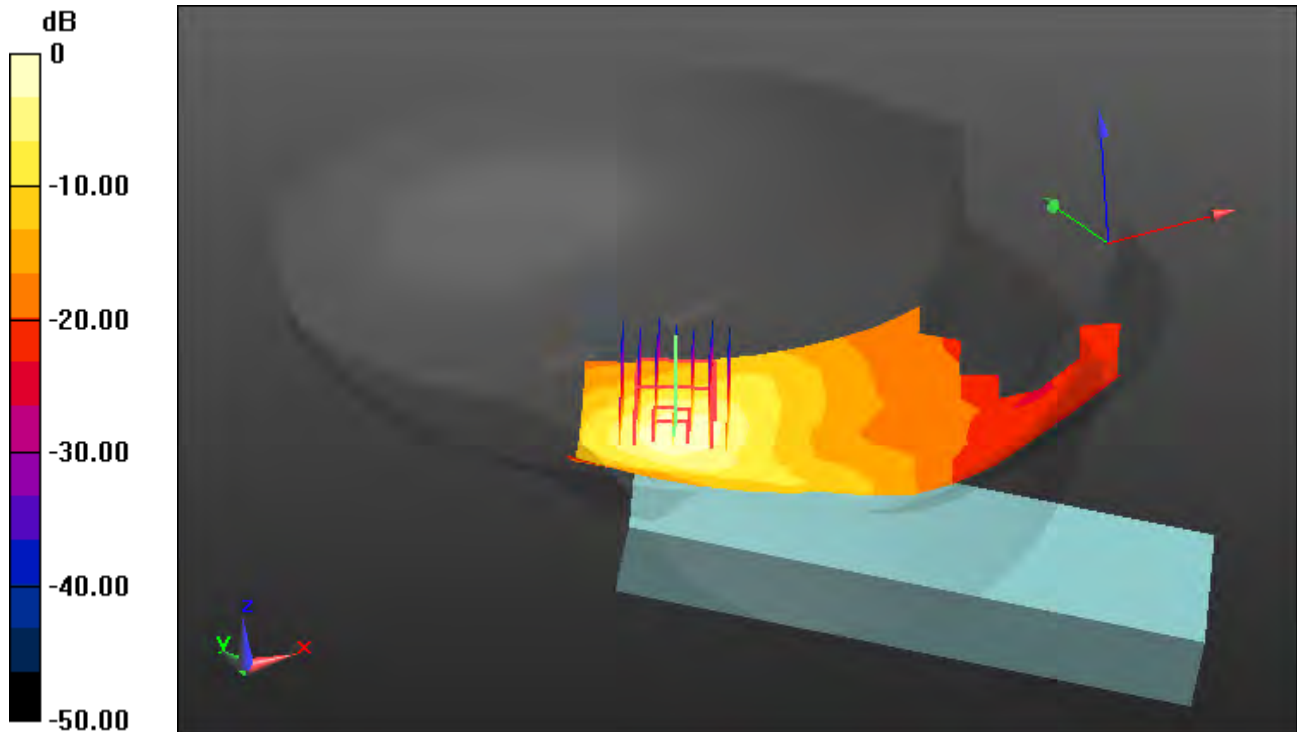
Area Scan (10x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.628 W/kg

SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.151 W/kg



0 dB = 0.399 W/kg

Dt&C Co., Ltd.

DUT: PM95W; Type: PDA

Communication System: UID 0, 00_W-LAN 5G (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270 \text{ MHz}$; $\sigma = 4.915 \text{ S/m}$; $\epsilon_r = 36.892$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.42, 5.42, 5.42); Calibrated: 10/26/2023 Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2024-05-09; Ambient Temp: 20.9; Tissue Temp: 20.8

Left Touch, WLAN(802.11n HT40) Ch. 54, Ant Internal, Standard Battery, Ant.8

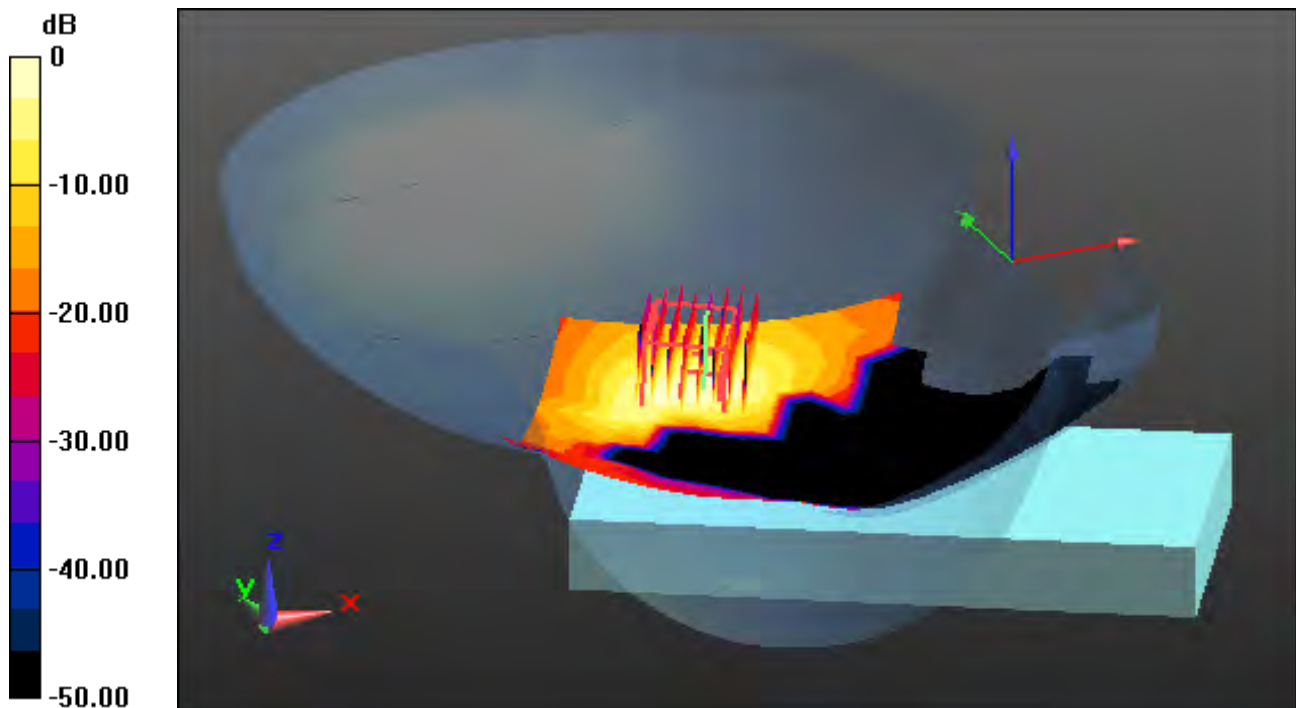
Area Scan (13x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio:1.4

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.954 W/kg

SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.093 W/kg



0 dB = 0.627 W/kg

Dt&C Co., Ltd.

DUT: PM95W; Type: PDA

Communication System: UID 0, 00_W-LAN 5G (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270 \text{ MHz}$; $\sigma = 4.915 \text{ S/m}$; $\epsilon_r = 36.892$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.42, 5.42, 5.42); Calibrated: 10/26/2023 Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2024-05-09; Ambient Temp: 20.9; Tissue Temp: 20.8

Left Touch, WLAN(802.11n HT40) Ch. 54, Ant Internal, Standard Battery, Ant.9

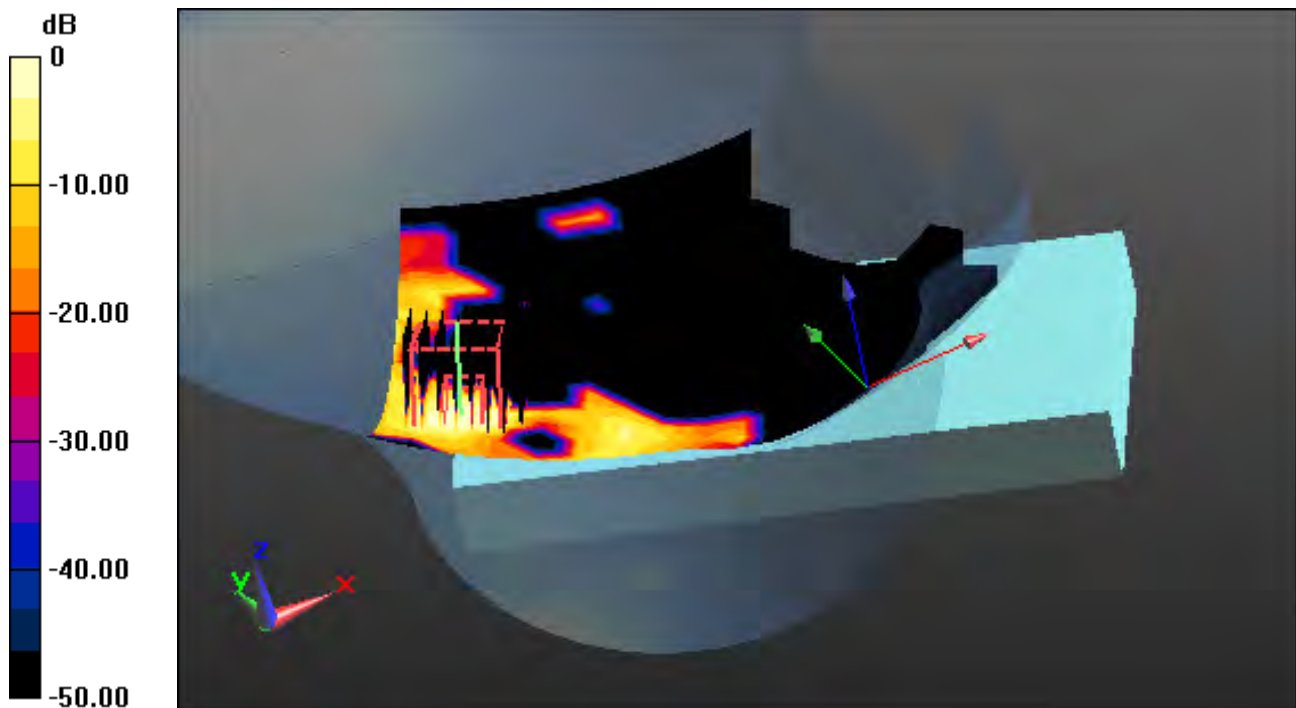
Area Scan (13x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio:1.4

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.006 W/kg



0 dB = 0.0746 W/kg

Dt&C Co., Ltd.

DUT: PM95W; Type: PDA

Communication System: UID 0, 00_W-LAN 5G (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5270 \text{ MHz}$; $\sigma = 4.915 \text{ S/m}$; $\epsilon_r = 36.892$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.42, 5.42, 5.42); Calibrated: 10/26/2023 Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2024-05-09; Ambient Temp: 20.9; Tissue Temp: 20.8

Left Touch, WLAN(802.11n HT40) Ch. 54, Ant Internal, Standard Battery, MIMO

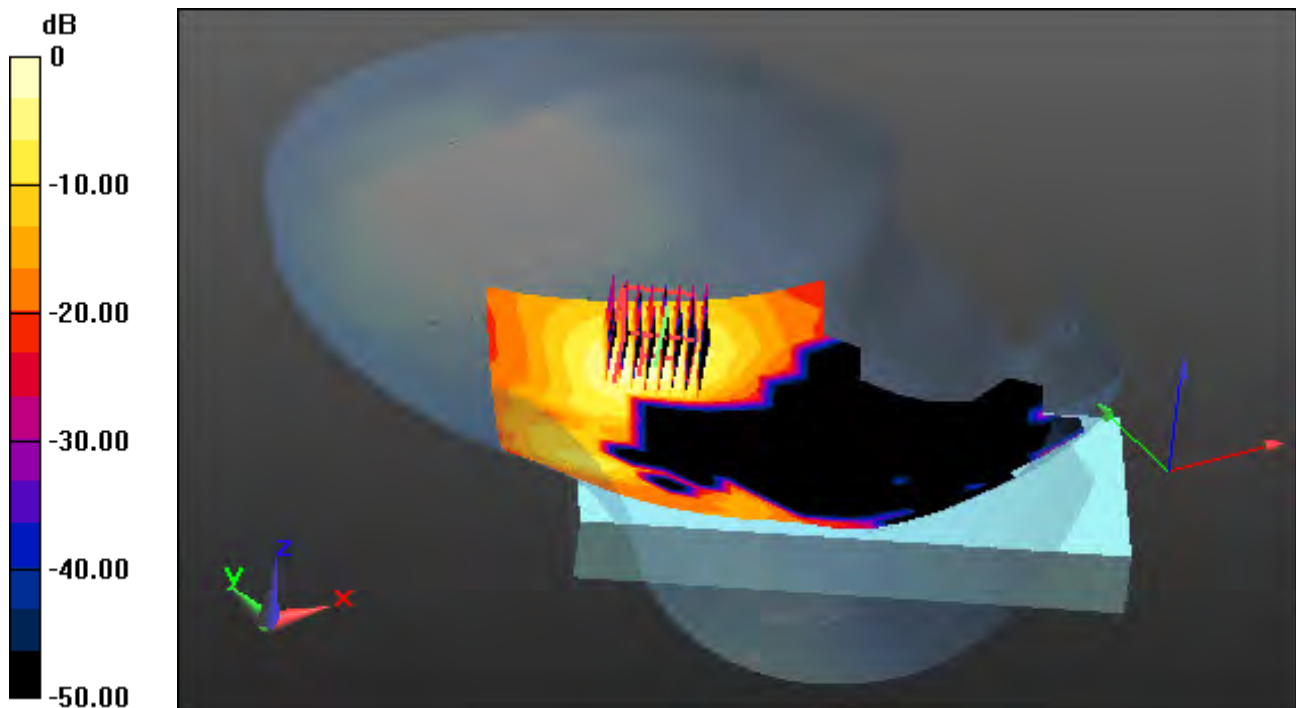
Area Scan (13x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio:1.4

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.975 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.088 W/kg



0 dB = 0.632 W/kg