

SAR And Power Density Validation Data

Date: 7/9/2025

System+Check_Head_13MHz

Communication System: UID 0, CW (0); Communication System Band: 13.56; Duty Cycle: 1:1; Frequency: 13 MHz;
Medium parameters used: $f = 13 \text{ MHz}$; $\sigma = 0.728 \text{ S/m}$; $\epsilon_r = 52.313$; $\rho = 1055 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(14.53, 14.51, 15.55); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.245 W/kg

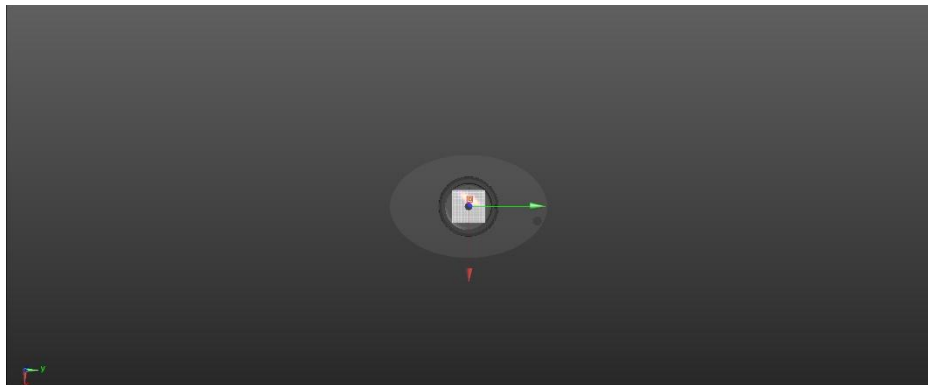
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.280 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.13 W/kg; SAR(10 g) = 0.09 W/kg

Maximum value of SAR (measured) = 0.243 W/kg



0 dB = 0.243 W/kg = -16.14 dBW/kg

Date: 7/10/2025

System Check Head 750MHz

Communication System: UID 0, CW (0); Communication System Band: D750MHz; Duty Cycle: 1:1; Frequency: 750 MHz;
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.91 \text{ S/m}$; $\epsilon_r = 40.794$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(9.18, 8.93, 9.03); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.96 W/kg

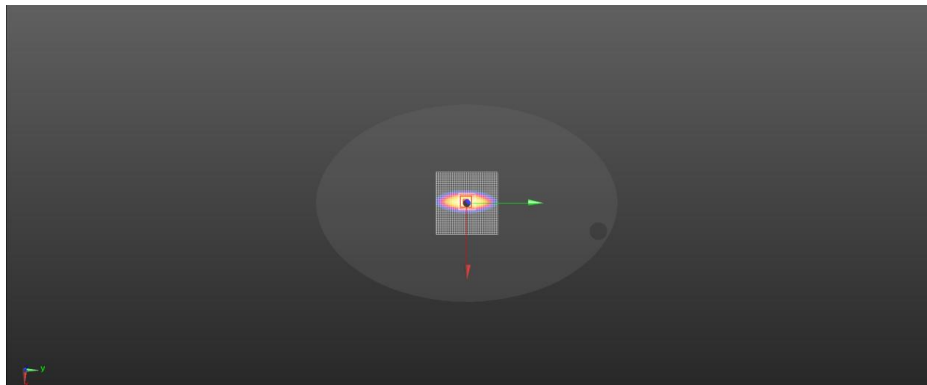
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 59.97 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.38 W/kg

SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.47 W/kg

Maximum value of SAR (measured) = 2.98 W/kg



0 dB = 2.98 W/kg = 4.74 dBW/kg

Date: 7/12/2025

System Check Head 835MHz

Communication System: UID 0, CW (0); Communication System Band: D835MHz; Duty Cycle: 1:1; Frequency: 835 MHz;
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.942 \text{ S/m}$; $\epsilon_r = 41.096$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(9.11, 8.85, 8.95); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.53 W/kg

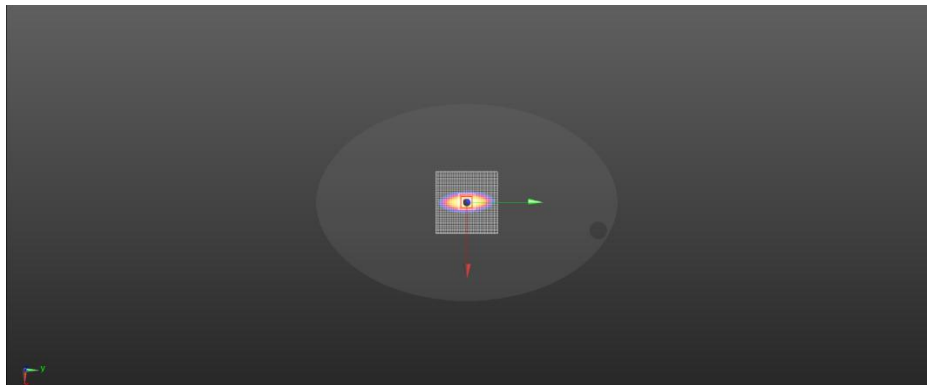
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 64.73 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.88 W/kg

SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.68 W/kg

Maximum value of SAR (measured) = 3.49 W/kg



0 dB = 3.49 W/kg = 5.43 dBW/kg

Date: 7/14/2025

System Check Head 1800MHz

Communication System: UID 0, CW (0); Communication System Band: D1800MHz; Duty Cycle: 1:1; Frequency: 1800 MHz; Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.399 \text{ S/m}$; $\epsilon_r = 40.009$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.72, 7.5, 7.59); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 15.1 W/kg

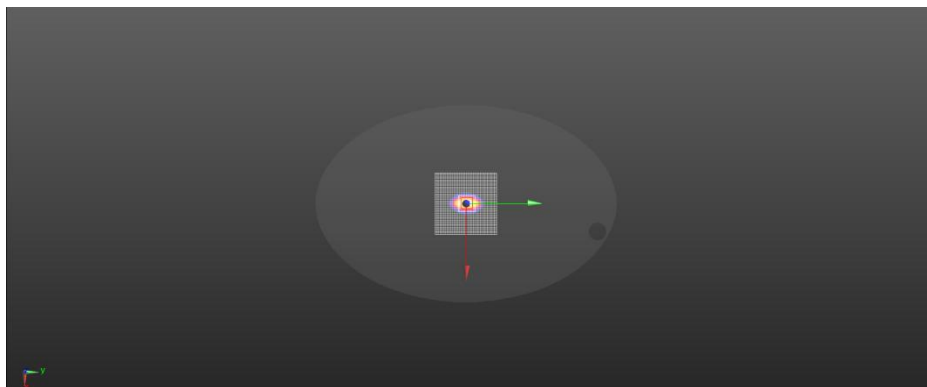
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 110.1 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 9.87 W/kg; SAR(10 g) = 5.22 W/kg

Maximum value of SAR (measured) = 15.1 W/kg



0 dB = 15.1 W/kg = 11.79 dBW/kg

Date: 7/17/2025

System Check Head 1900MHz

Communication System: UID 0, CW (0); Communication System Band: D1900MHz; Duty Cycle: 1:1; Frequency: 1900 MHz; Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.459 \text{ S/m}$; $\epsilon_r = 40.007$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.45, 7.25, 7.33); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 15.0 W/kg

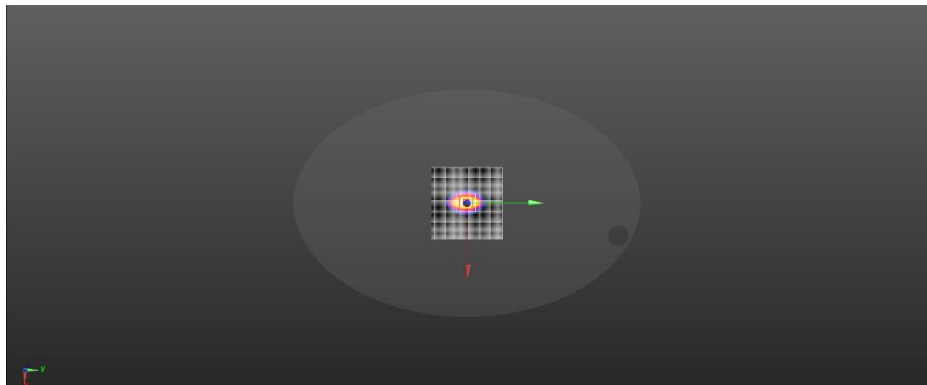
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 107.4 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 9.73 W/kg; SAR(10 g) = 5.11 W/kg

Maximum value of SAR (measured) = 15.0 W/kg



0 dB = 15.0 W/kg = 11.76 dBW/kg

Date: 7/21/2025

System Check Head 2450MHz

Communication System: UID 0, CW; Communication System Band: D2450MHz; Duty Cycle: 1:1.0; Frequency: 2450 MHz; Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.853 \text{ S/m}$; $\epsilon_r = 39.08$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.03, 6.83, 6.91); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (101x101x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 21.1 W/kg

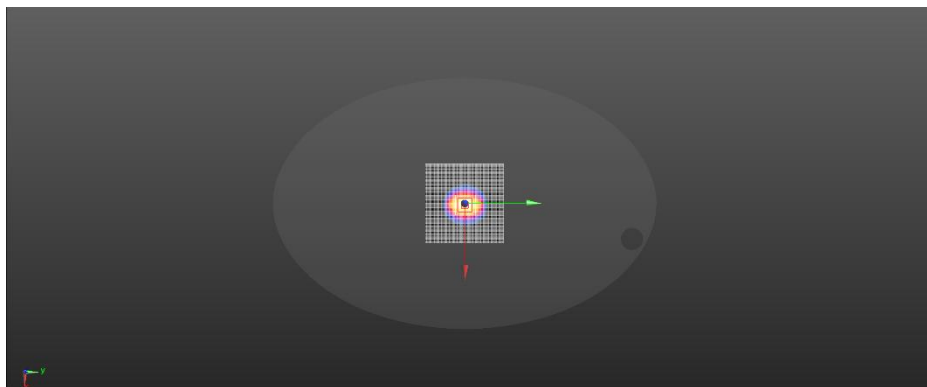
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 88.82 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 25.7 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.08 W/kg

Maximum value of SAR (measured) = 21.3 W/kg



0 dB = 21.3 W/kg = 13.28 dBW/kg

Date: 7/23/2025

System Check Head 2600MHz

Communication System: UID 0, CW (0); Communication System Band: D2600MHz; Duty Cycle: 1:1.0; Frequency: 2600 MHz; Medium parameters used: $f = 2600$ MHz; $\sigma = 1.981$ S/m; $\epsilon_r = 39.077$; $\rho = 1000$ kg/m³

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.1, 6.9, 6.98); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 23.9 W/kg

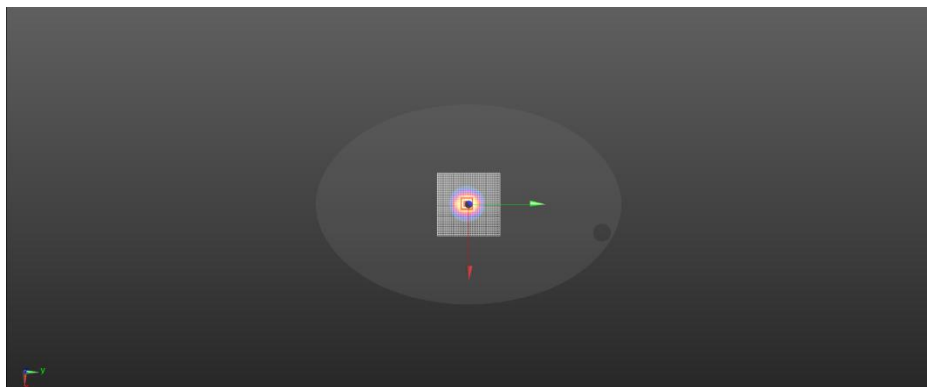
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.42 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 29.5 W/kg

SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.32 W/kg

Maximum value of SAR (measured) = 24.1 W/kg



0 dB = 24.1 W/kg = 13.82 dBW/kg

Date: 7/25/2025

System Check Head 5250MHz

Communication System: UID 0, CW (0); Communication System Band: 5250MHz; Duty Cycle: 1:1.0; Frequency: 5250 MHz; Medium parameters used: $f = 5250$ MHz; $\sigma = 4.748$ S/m; $\epsilon_r = 35.826$; $\rho = 1000$ kg/m³

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(5.42, 5.27, 5.33); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.3 W/kg

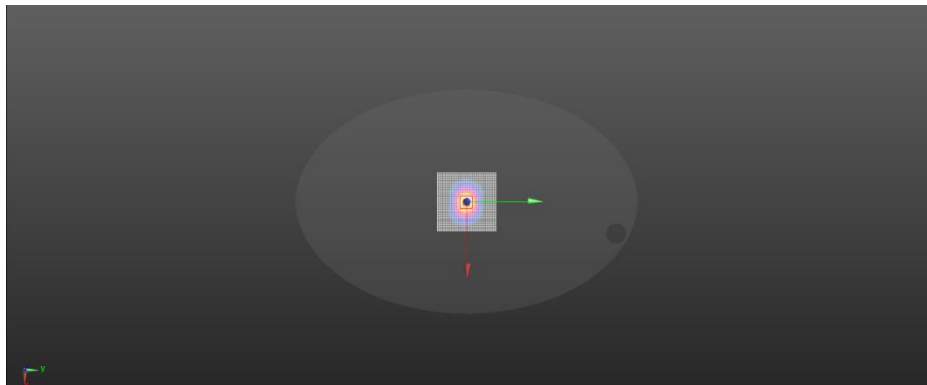
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.17 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 34.9 W/kg

SAR(1 g) = 8.21 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (measured) = 20.9 W/kg



0 dB = 20.9 W/kg = 13.20 dBW/kg

Date: 7/26/2025

System Check Head 5600MHz

Communication System: UID 0, CW (0); Communication System Band: D5600MHz; Duty Cycle: 1:1.0; Frequency: 5600 MHz; Medium parameters used: $f = 5600$ MHz; $\sigma = 5.169$ S/m; $\epsilon_r = 35.178$; $\rho = 1000$ kg/m³

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(4.64, 4.51, 4.56); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 21.7 W/kg

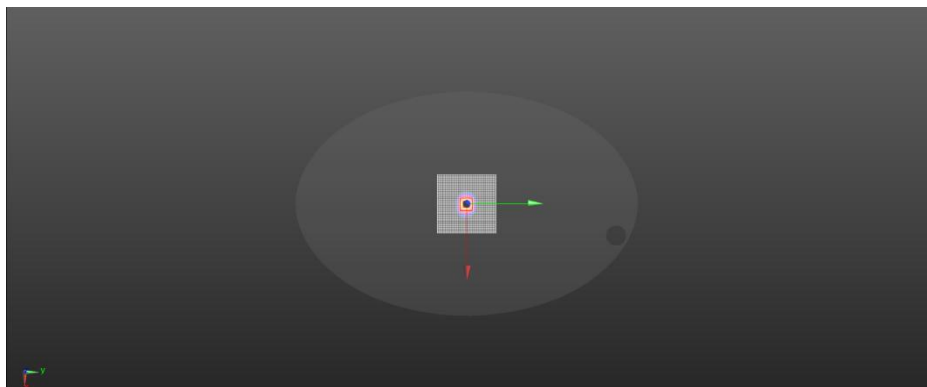
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 41.39 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 38.9 W/kg

SAR(1 g) = 8.52 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 22.0 W/kg



0 dB = 22.0 W/kg = 13.42 dBW/kg

Date: 7/27/2025

System Check Head 5750MHz

Communication System: UID 0, CW (0); Communication System Band: D5750MHz; Duty Cycle: 1:1.0; Frequency: 5750 MHz; Medium parameters used: $f = 5750 \text{ MHz}$; $\sigma = 5.346 \text{ S/m}$; $\epsilon_r = 34.884$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(5.05, 4.91, 4.97); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (101x101x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 20.3 W/kg

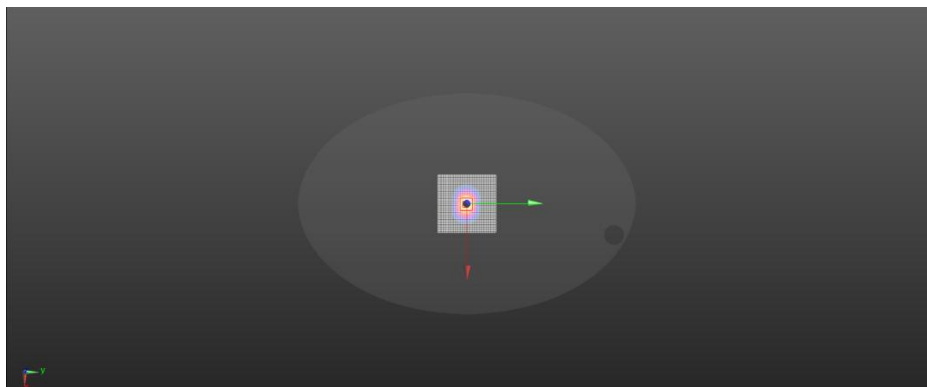
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 38.40 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 38.0 W/kg

SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg

Measurement Report for Device, CW, Channel 0 (6500MHz)

Exposure Conditions

Phantom Section, TSL	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	6500, 0	5.22	6.06	34.13

Hardware Setup

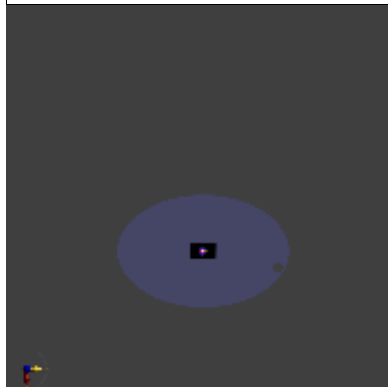
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	HBBL-600-10000	EX3DV4 - SN7761, 2024-09-19	DAE4 Sn1220, 2025-03-14

Scans 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

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-28	2025-07-28
psSAR1g [W/Kg]	27.1	27.9
psSAR10g [W/Kg]	4.85	5.40
Power Drift [dB]	-0.01	0.09



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

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor
5G	10.00	10000, 10000	1.0

Hardware Setup

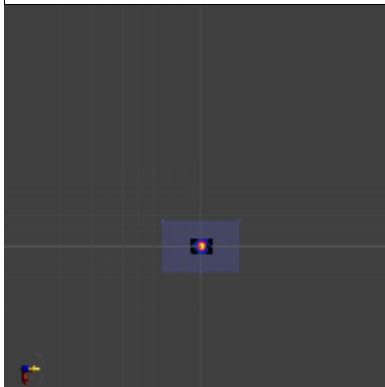
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air	EUmmWV4 - SN9681_F1-55GHz, 2024-09-16	DAE4 Sn1220, 2025-03-14

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Date	2025-07-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	52.7
psPDtot+ [W/m ²]	53.4
psPDmod+ [W/m ²]	54.0
Power Drift [dB]	-0.07



SAR And Power Density Test Data

Date: 7/9/2025

Back side_NFC-13.56MHz_0mm

Communication System: UID 0, NFC (0); Communication System Band: NFC; Duty Cycle: 1:1; Frequency: 13.56 MHz;
Medium parameters used: $f = 13.56 \text{ MHz}$; $\sigma = 0.727 \text{ S/m}$; $\epsilon_r = 52.316$; $\rho = 1055 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(14.53, 14.51, 15.55); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.082 W/kg

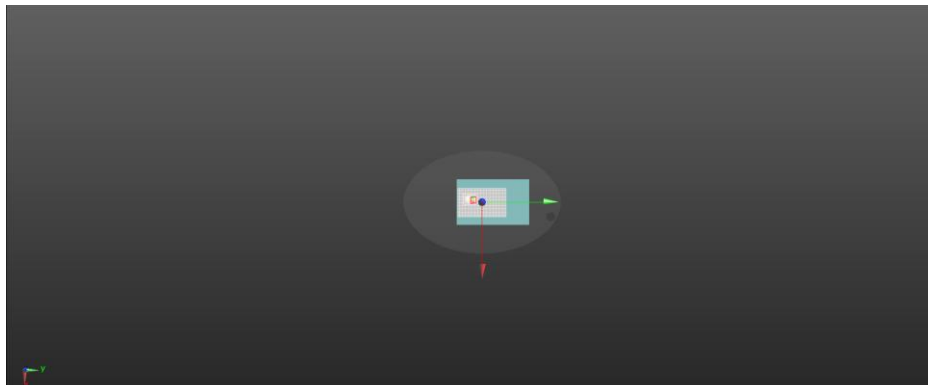
Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.075 W/kg

SAR(1 g) = 0.008 W/kg; SAR(10 g) = 0.003 W/kg

Maximum value of SAR (measured) = 0.092 W/kg



0 dB = 0.092 W/kg = -2.23 dBW/kg

Date: 7/17/2025

WCDMA Band2-RMC-Back side-CH9262-1852.4MHz

Communication System: UID 0, WCDMA (0); Communication System Band: WCDMA II; Duty Cycle: 1:1.0; Frequency: 1852.4 MHz; Medium parameters used: $f = 1852.4 \text{ MHz}$; $\sigma = 1.432 \text{ S/m}$; $\epsilon_r = 40.045$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.45, 7.25, 7.33); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.02 W/kg

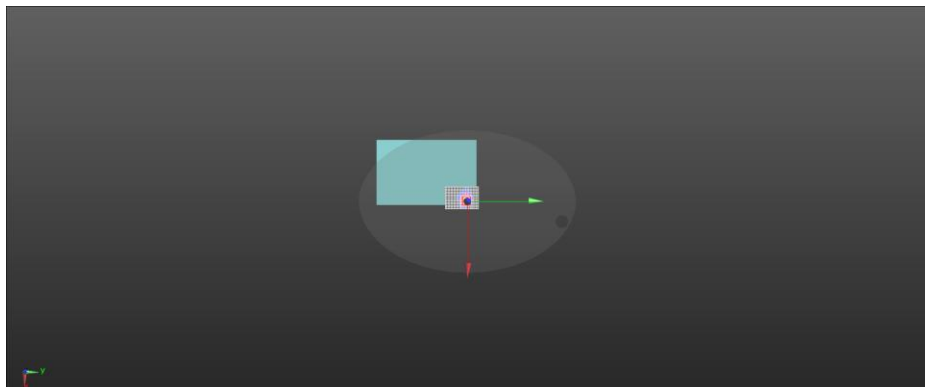
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.62 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.239 W/kg

Maximum value of SAR (measured) = 0.996 W/kg



0 dB = 0.996 W/kg = -0.02 dBW/kg

Date: 7/14/2025

WCDMA Band4-RMC-Back side-CH1413-1732.6MHz

Communication System: UID 0, WCDMA (0); Communication System Band: WCDMA IV; Duty Cycle: 1:1.0; Frequency: 1732.6 MHz; Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.36 \text{ S/m}$; $\epsilon_r = 40.095$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.72, 7.5, 7.59); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.09 W/kg

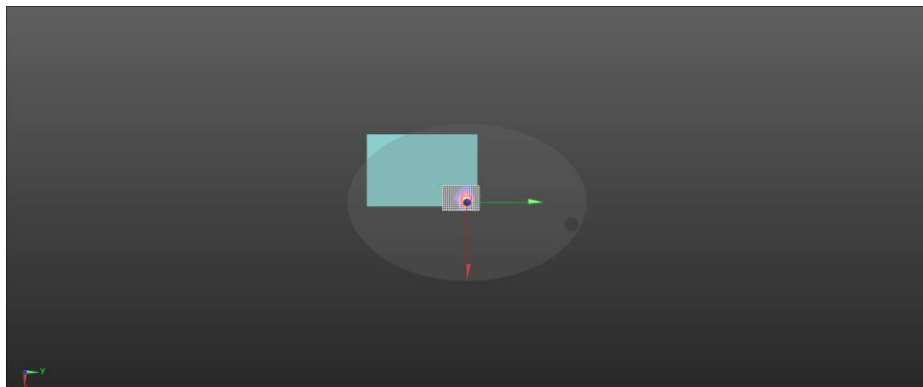
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.15 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.328 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

Date: 7/12/2025

WCDMA Band5-RMC-Back side-CH4132-826.4MHz

Communication System: UID 0, WCDMA (0); Communication System Band: WCDMA V; Duty Cycle: 1:1.0; Frequency: 826.4 MHz; Medium parameters used: $f = 826.4 \text{ MHz}$; $\sigma = 0.939 \text{ S/m}$; $\epsilon_r = 41.116$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(9.11, 8.85, 8.95); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.29 W/kg

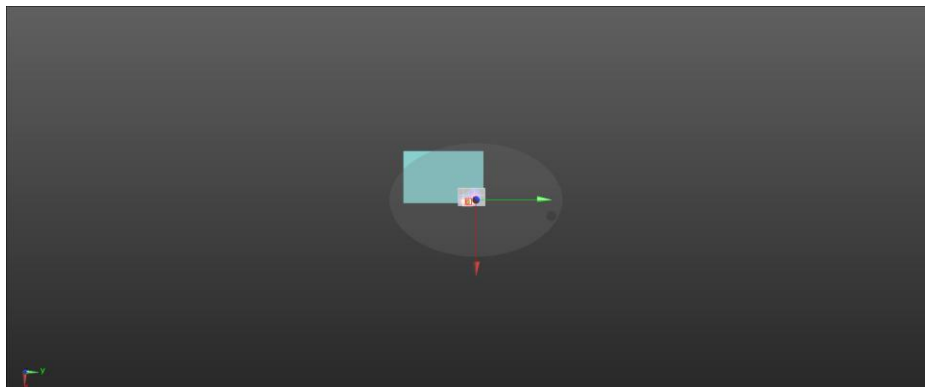
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.19 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.333 W/kg

Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

Date: 7/14/2025

LTE Band 4-BW20_QPSK_1RB0Offset-Back side-CH20175-1732.5MHz

Communication System: UID 0, LTE FDD (0); Communication System Band: Band4; Duty Cycle: 1:1.0; Frequency: 1732.5 MHz; Medium parameters used: $f = 1733$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 40.095$; $\rho = 1000$ kg/m³

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.72, 7.5, 7.59); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.718 W/kg

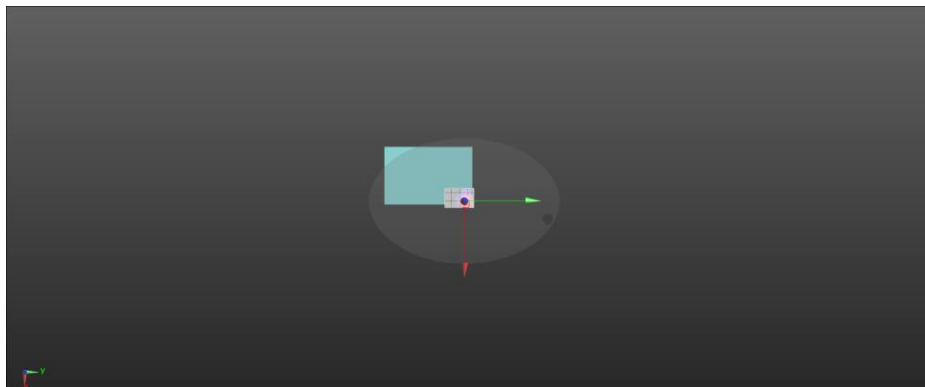
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 17.11 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.236 W/kg

Maximum value of SAR (measured) = 0.703 W/kg



0 dB = 0.703 W/kg = -1.53 dBW/kg

Date: 7/23/2025

LTE Band 7-BW20_QPSK_1RB0Offset-Back side-CH21100-2535MHz

Communication System: UID 0, LTE FDD (0); Communication System Band: Band7; Duty Cycle: 1:1.0; Frequency: 2535 MHz; Medium parameters used: $f = 2535$ MHz; $\sigma = 1.911$ S/m; $\epsilon_r = 39.066$; $\rho = 1000$ kg/m³

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.1, 6.9, 6.98); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (51x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.770 W/kg

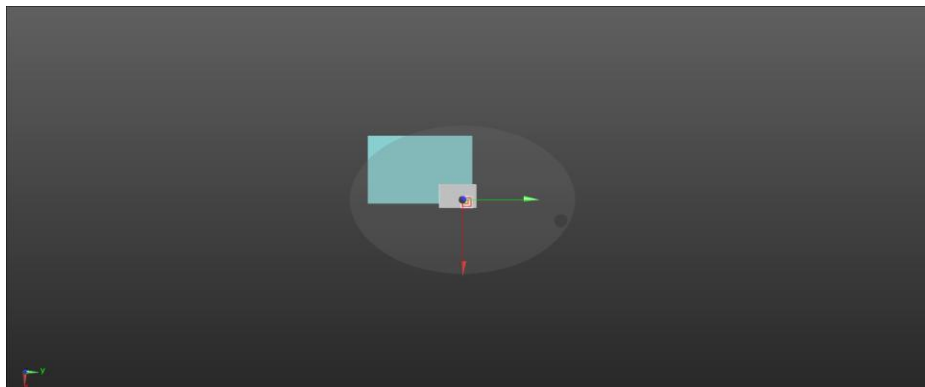
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.61 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.583 W/kg; SAR(10 g) = 0.224 W/kg

Maximum value of SAR (measured) = 0.877 W/kg



0 dB = 0.877 W/kg = -0.57 dBW/kg

Date: 7/10/2025

LTE Band 12-BW10_QPSK_1RB0Offset-Back side-CH23095-707.5MHz

Communication System: UID 0, LTE FDD (0); Communication System Band: Band12; Duty Cycle: 1:1.0; Frequency: 707.5 MHz; Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 40.917$; $\rho = 1000$ kg/m³

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(9.18, 8.93, 9.03); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.08 W/kg

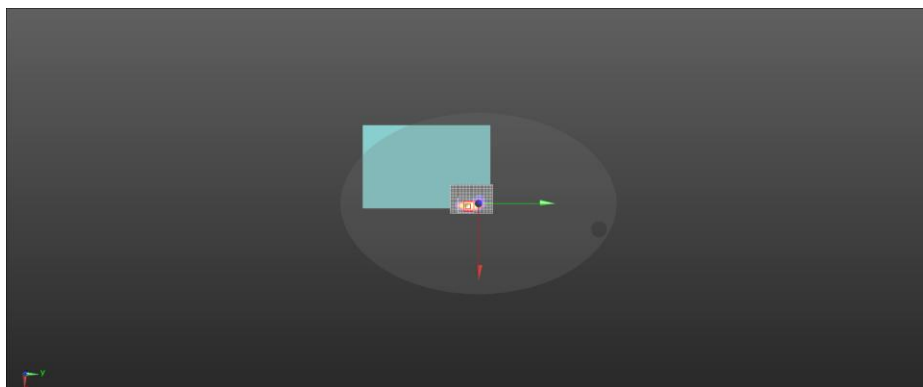
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.95 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.361 W/kg

Maximum value of SAR (measured) = 0.890 W/kg



0 dB = 0.890 W/kg = -0.51 dBW/kg

Date: 7/10/2025

LTE Band 13-BW10_QPSK_1RB0Offset-Back side-CH23230-782MHz

Communication System: UID 0, LTE FDD (0); Communication System Band: Band13; Duty Cycle: 1:1.0; Frequency: 782 MHz; Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.919 \text{ S/m}$; $\epsilon_r = 40.728$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(9.18, 8.93, 9.03); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.07 W/kg

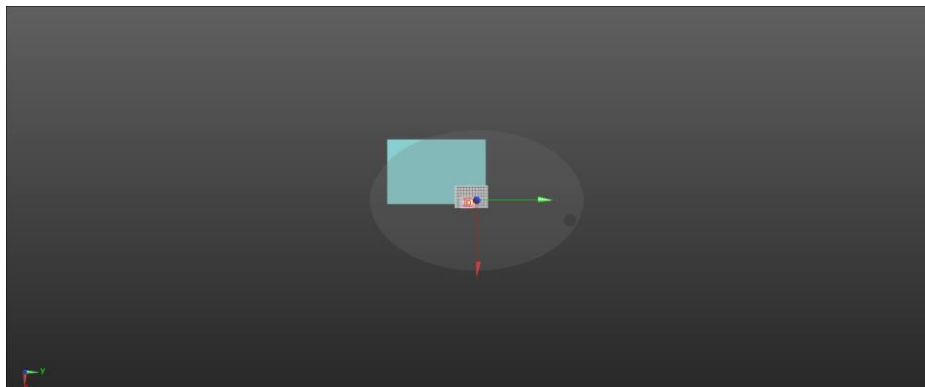
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.01 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg = 0.25 dBW/kg

Date: 7/17/2025

LTE Band 25-BW20_QPSK_1RB0Offset-Back side-CH26340-1880MHz

Communication System: UID 0, LTE FDD (0); Communication System Band: Band25; Duty Cycle: 1:1.0; Frequency: 1880 MHz; Medium parameters used: $f = 1880$ MHz; $\sigma = 1.448$ S/m; $\epsilon_r = 40.016$; $\rho = 1000$ kg/m³

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.45, 7.25, 7.33); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.17 W/kg

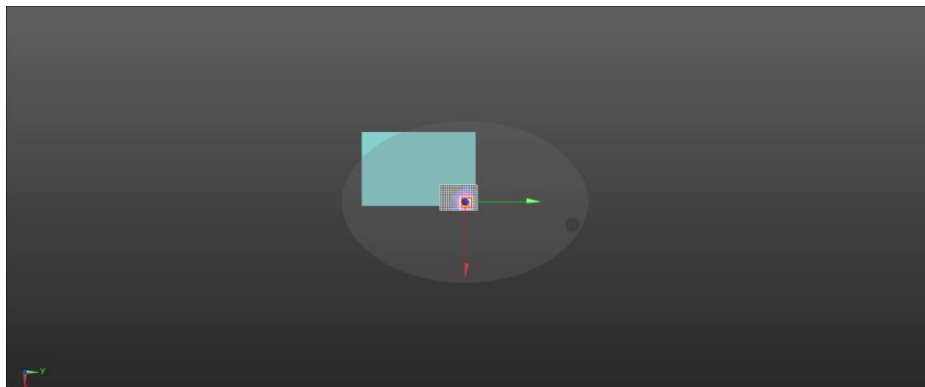
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.16 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.346 W/kg

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

Date: 7/12/2025

LTE Band 26-BW15_QPSK_1RB0Offset-Back side-CH26865-831.5MHz

Communication System: UID 0, LTE FDD (0); Communication System Band: Band26; Duty Cycle: 1:1.0; Frequency: 831.5 MHz; Medium parameters used: $f = 831.5 \text{ MHz}$; $\sigma = 0.941 \text{ S/m}$; $\epsilon_r = 41.105$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(9.11, 8.85, 8.95); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (41x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.00 W/kg

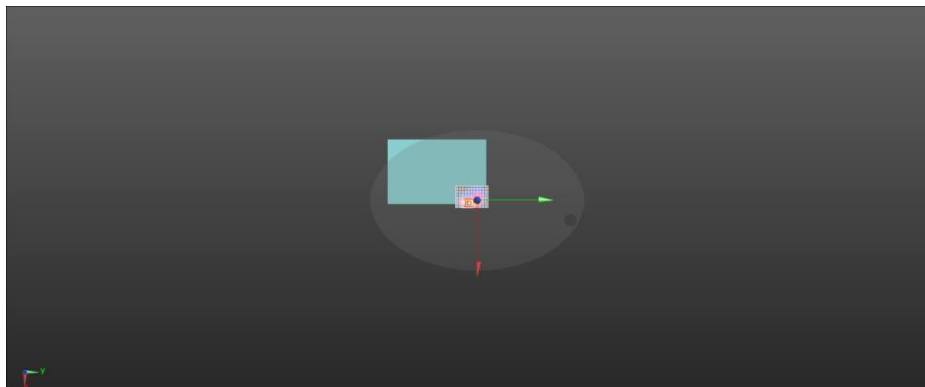
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.11 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.286 W/kg

Maximum value of SAR (measured) = 0.996 W/kg



0 dB = 0.996 W/kg = -0.02 dBW/kg

Date: 7/23/2025

LTE Band 41-BW20_QPSK_1RB0Offset-Back side-CH41490-2680MHz

Communication System: UID 0, LTE TDD (0); Communication System Band: Band 41; Duty Cycle: 1:1.0; Frequency: 2680 MHz; Medium parameters used: $f = 2680$ MHz; $\sigma = 2.041$ S/m; $\epsilon_r = 38.906$; $\rho = 1000$ kg/m³

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.1, 6.9, 6.98); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (51x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.638 W/kg

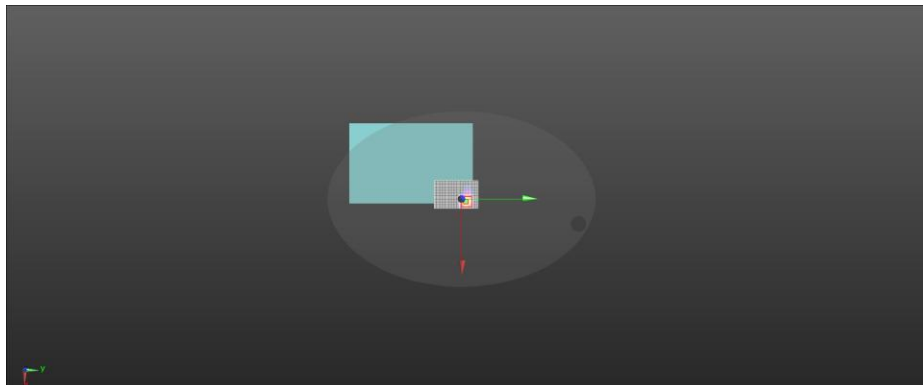
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.694 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.227 W/kg

Maximum value of SAR (measured) = 0.702 W/kg



0 dB = 0.702 W/kg = -1.54 dBW/kg

Date: 7/21/2025

Bluetooth DH5-Back Side-CH39-2441MHz

Communication System: UID 0, Bluetooth (0); Communication System Band: BDR+EDR; Duty Cycle: 1:1.0; Frequency: 2441 MHz; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.841$ S/m; $\epsilon_r = 39.075$; $\rho = 1000$ kg/m³

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.03, 6.83, 6.91); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (61x41x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.110 W/kg

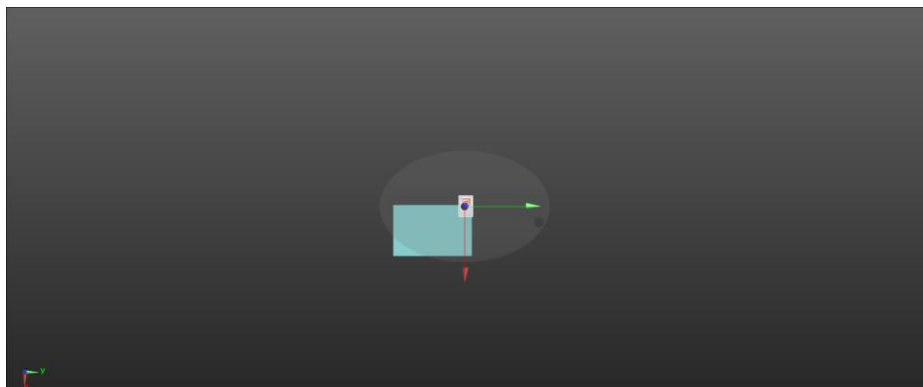
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.794 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.155 W/kg

SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.194 W/kg



0 dB = 0.194 W/kg = -4.05 dBW/kg

Date: 7/21/2025

WLAN2.4G 802.11b-Back Side-CH1-2412MHz

Communication System: UID 0, WIFI 2.4G (0); Communication System Band: 802.11b(20M); Duty Cycle: 1:1.0;
Frequency: 2412 MHz; Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.818 \text{ S/m}$; $\epsilon_r = 39.155$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(7.03, 6.83, 6.91); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (51x41x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 1.52 W/kg

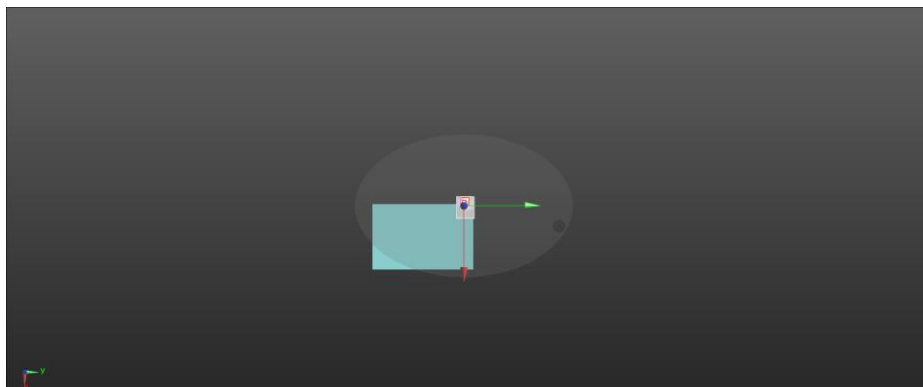
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.78 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.232 W/kg

Maximum value of SAR (measured) = 1.58 W/kg



0 dB = 1.58 W/kg = 1.99 dBW/kg

Date: 7/25/2025

WLAN5.3G 802.11a-Back Side-CH56-5280MHz

Communication System: UID 0, WIFI 5G (0); Communication System Band: 802.11a(20M); Duty Cycle: 1:1.0; Frequency: 5280 MHz; Medium parameters used: $f = 5280$ MHz; $\sigma = 4.791$ S/m; $\epsilon_r = 35.78$; $\rho = 1000$ kg/m³

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(5.42, 5.27, 5.33); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (61x41x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 1.54 W/kg

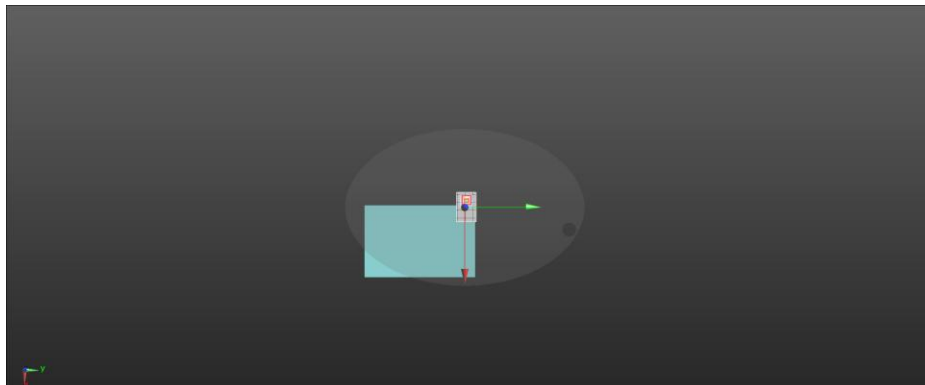
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.023 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.58 W/kg

SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

Date: 7/26/2025

WLAN5.6G 802.11a-Back Side-CH140-5700MHz

Communication System: UID 0, WIFI 5G (0); Communication System Band: 802.11a(20M); Duty Cycle: 1:1.0; Frequency: 5700 MHz; Medium parameters used: $f = 5700 \text{ MHz}$; $\sigma = 5.286 \text{ S/m}$; $\epsilon_r = 34.971$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(5.05, 4.91, 4.97); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (61x41x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 1.73 W/kg

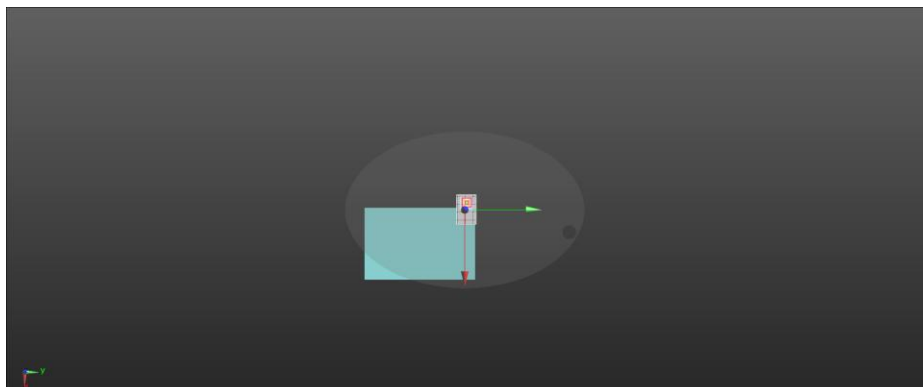
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.944 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.48 W/kg

SAR(1 g) = 0.621 W/kg; SAR(10 g) = 0.180 W/kg

Maximum value of SAR (measured) = 1.61 W/kg



0 dB = 1.61 W/kg = 2.07 dBW/kg

Date: 7/27/2025

WLAN5.6G 802.11a-Back Side-CH157-5785MHz

Communication System: UID 0, WIFI 5G (0); Communication System Band: 802.11a(20M); Duty Cycle: 1:1.0; Frequency: 5785 MHz; Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.388 \text{ S/m}$; $\epsilon_r = 34.819$; $\rho = 1000 \text{ kg/m}^3$

Ambient temperature (°C): 23.5, Liquid temperature (°C): 22.0

DASY5 Configuration:

- Probe: EX3DV4 - SN7761; ConvF(5.05, 4.91, 4.97); Calibrated: 9/19/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1220; Calibrated: 3/14/2025
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (61x41x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 1.75 W/kg

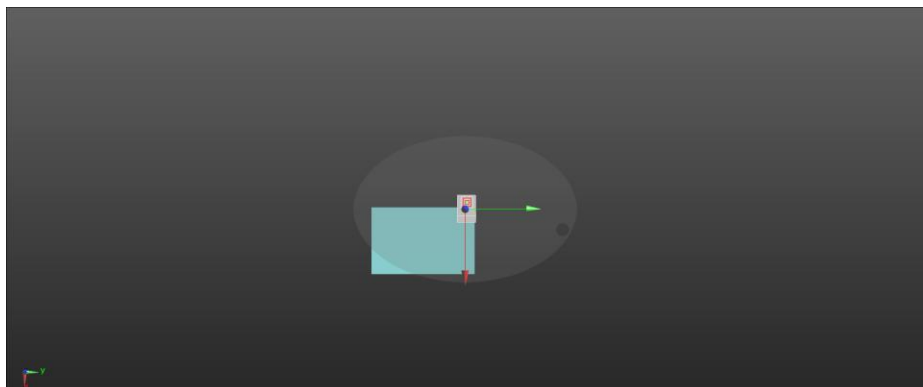
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.932 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.52 W/kg

SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.182 W/kg

Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

Measurement Report for Device, BACK, IEEE 802.11ax (160MHz, MCS0), Channel 47 (6185MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	6185, 47	5.22	5.77	34.5

Hardware Setup

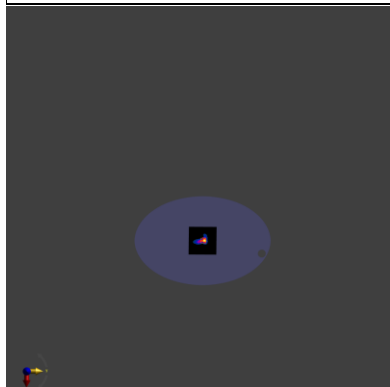
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt)	HBBL-600-10000	EX3DV4 - SN7761, 2024-09-19	DAE4 Sn1220, 2025-03-14

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 119.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-28	2025-07-28
psSAR1g [W/Kg]	0.348	0.342
psSAR10g [W/Kg]	0.099	0.108
Power Drift [dB]	0.07	0.05



Measurement Report for Device, BACK, IEEE 802.11ax (160MHz, MCS0), Channel 111 (6505MHz)

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	6505, 111	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air	EUmmWV4 - SN9681_F1-55GHz, 2024-09-16	DAE4 Sn1220, 2025-03-14

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Date	2025-07-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.19
psPDtot+ [W/m ²]	5.46
psPDmod+ [W/m ²]	12.8
Power Drift [dB]	0.06

