

System Check 2450

Date: 2026/7/27

Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.792$ S/m; $\epsilon_r = 40.271$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(6.95, 6.95, 6.95); Calibrated: 2026/7/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2026/7/13
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 2450/Area Scan (71x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 9.47 W/kg

CW 2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.50 V/m; Power Drift = -0.04 dB

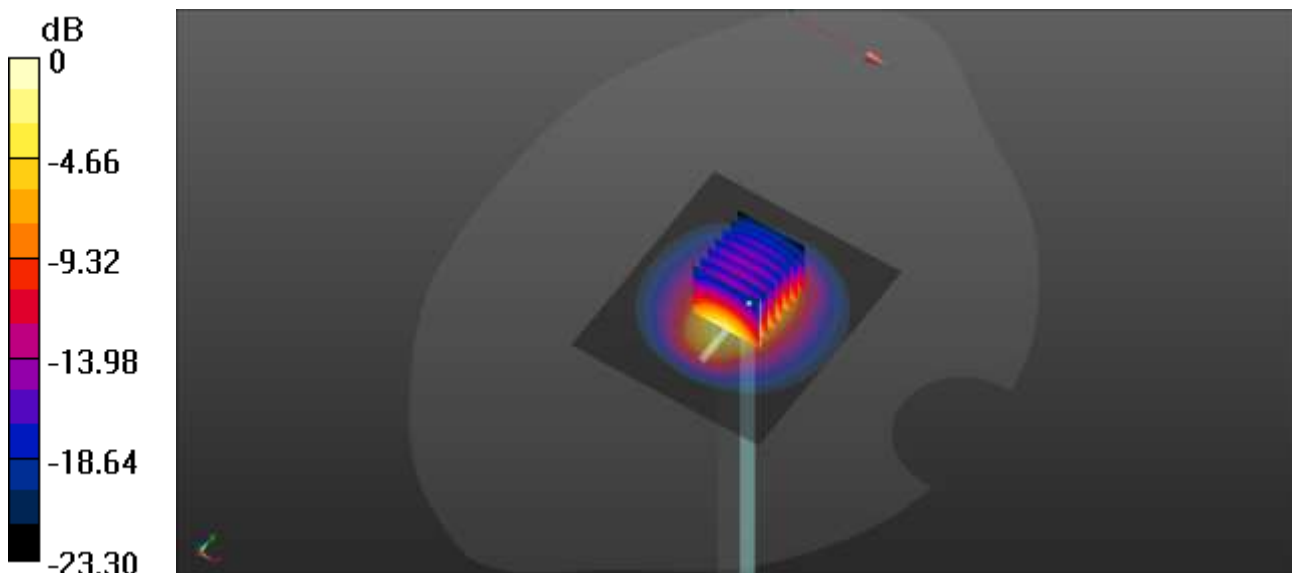
Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.43 W/kg; SAR(10 g) = 2.49 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 48%

Maximum value of SAR (measured) = 9.11 W/kg



0 dB = 9.47 W/kg

System Check 5200

Date: 2026/7/28

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.715$ S/m; $\epsilon_r = 35.576$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.6°C Liquid Temperature: 21.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.9, 4.9, 4.9); Calibrated: 2026/7/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2026/7/13
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 5200/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 15.8 W/kg

CW 5200/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 39.28 V/m; Power Drift = -0.02 dB

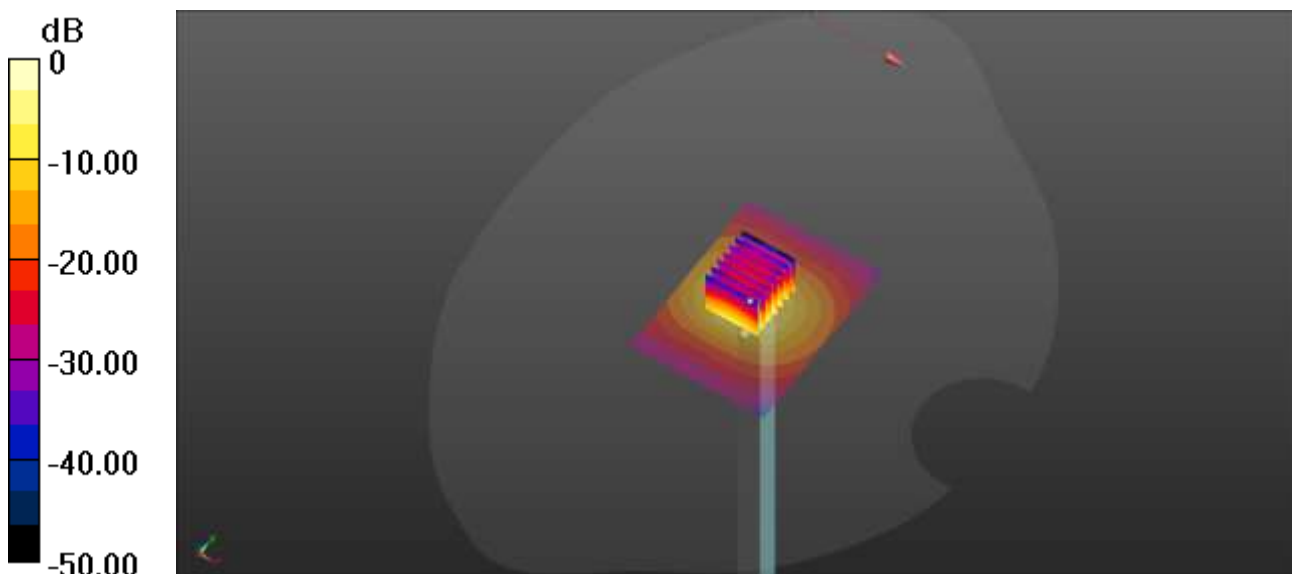
Peak SAR (extrapolated) = 31.2 W/kg

SAR(1 g) = 7.35 W/kg; SAR(10 g) = 2.11 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 53.2%

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



0 dB = 15.8 W/kg

System Check 5300

Date: 2026/7/29

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 4.832$ S/m; $\epsilon_r = 35.375$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 22.2°C Liquid Temperature: 21.1°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.9, 4.9, 4.9); Calibrated: 2026/7/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2026/7/13
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 5300/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 15.8 W/kg

CW 5300/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 39.99 V/m; Power Drift = -0.14 dB

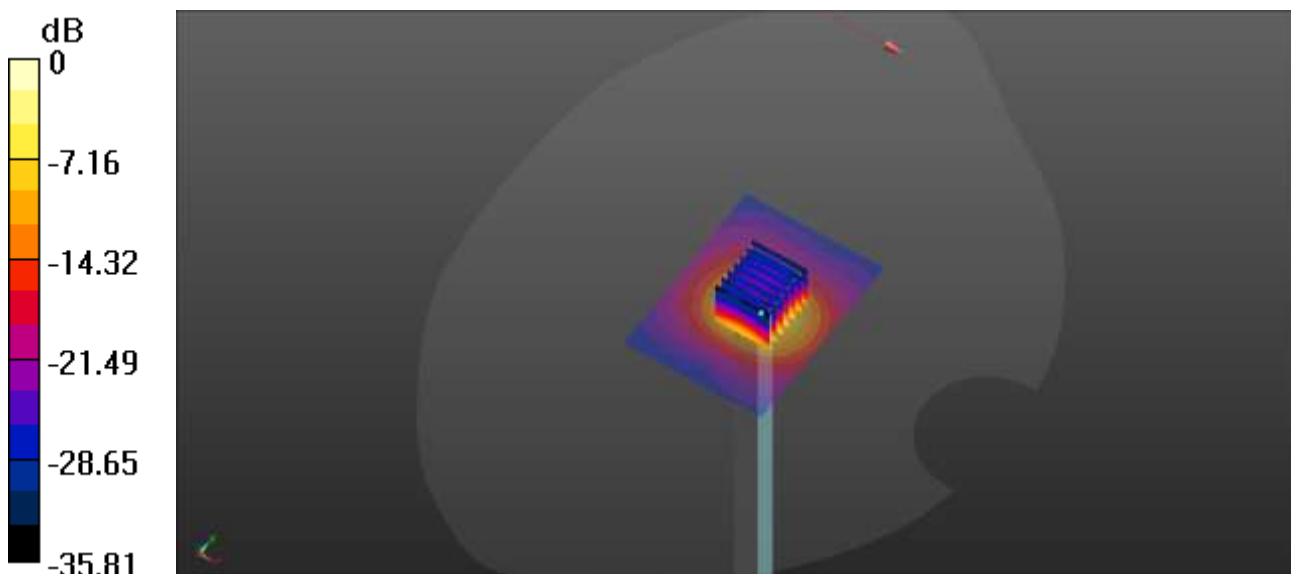
Peak SAR (extrapolated) = 31.0 W/kg

SAR(1 g) = 7.53 W/kg; SAR(10 g) = 2.13 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 54.1%

Maximum value of SAR (measured) = 15.8 W/kg



0 dB = 15.8 W/kg

System Check 5600

Date: 2026/7/30

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.201$ S/m; $\epsilon_r = 34.696$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 21.7°C Liquid Temperature: 20.8°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.3, 4.3, 4.3); Calibrated: 2026/7/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2026/7/13
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 5600/Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 18.0 W/kg

CW 5600/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 16.21 V/m; Power Drift = -0.18 dB

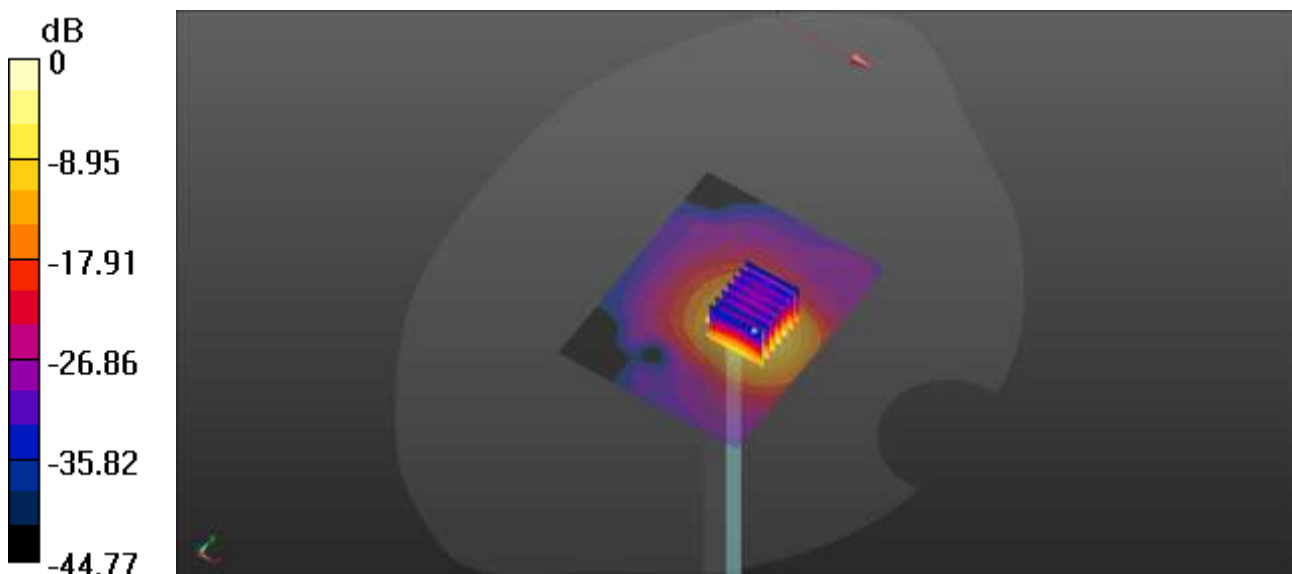
Peak SAR (extrapolated) = 39.8 W/kg

SAR(1 g) = 8.56 W/kg; SAR(10 g) = 2.4 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 50.3%

Maximum value of SAR (measured) = 18.4 W/kg



0 dB = 18.0 W/kg

System Check 5800

Date: 2026/7/31

Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.461$ S/m; $\epsilon_r = 34.264$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

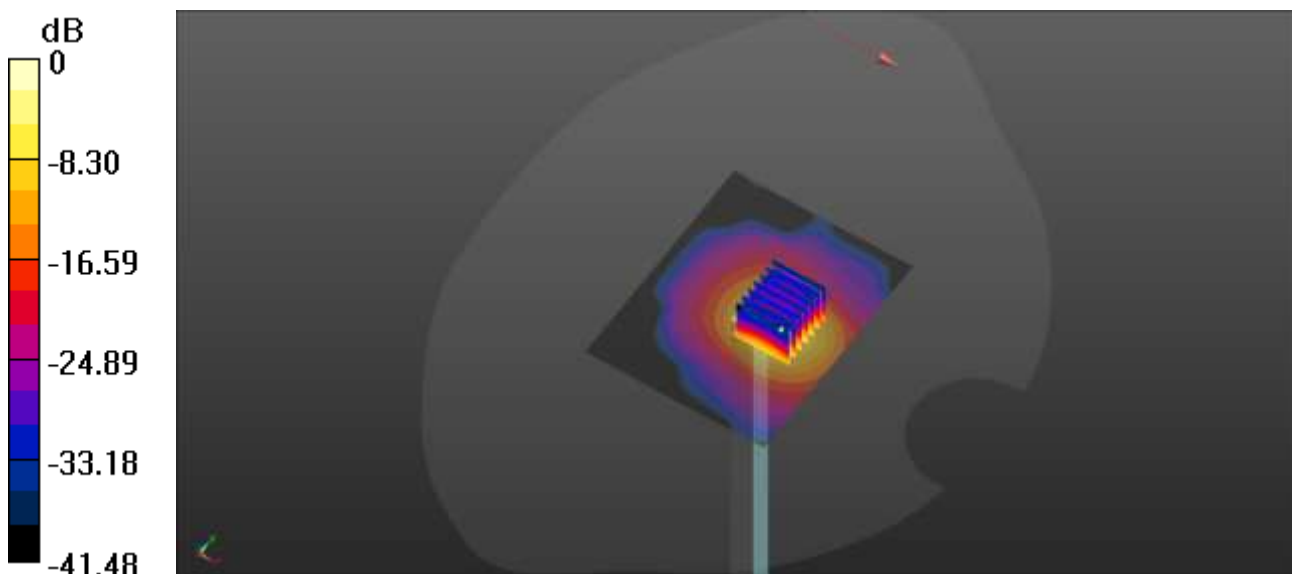
Ambient Temperature: 22.5°C Liquid Temperature: 21.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3748; ConvF(4.45, 4.45, 4.45); Calibrated: 2026/7/13
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn540; Calibrated: 2026/7/13
- Phantom: Twin-SAM Right V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1857
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

CW 5800/Area Scan (81x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 16.8 W/kg

CW 5800/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 15.38 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 38.4 W/kg
SAR(1 g) = 7.9 W/kg; SAR(10 g) = 2.21 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 49%
Maximum value of SAR (measured) = 17.1 W/kg



0 dB = 16.8 W/kg

System Check 6500MHz

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency	Conversion	TSL	TSL	Ambient	Liquid
Section, TSL	Distance		UID	[MHz],	Factor	Conductivity	Permittivity	Temperature	Temperature
	[mm]			Channel		[S/m]		[°C]	[°C]
				Number					
Flat,		Validation	CW,	6500.0,	5.6	6.05	34.9	22.3	21.5
HSL		band	0--	6500					

Hardware Setup

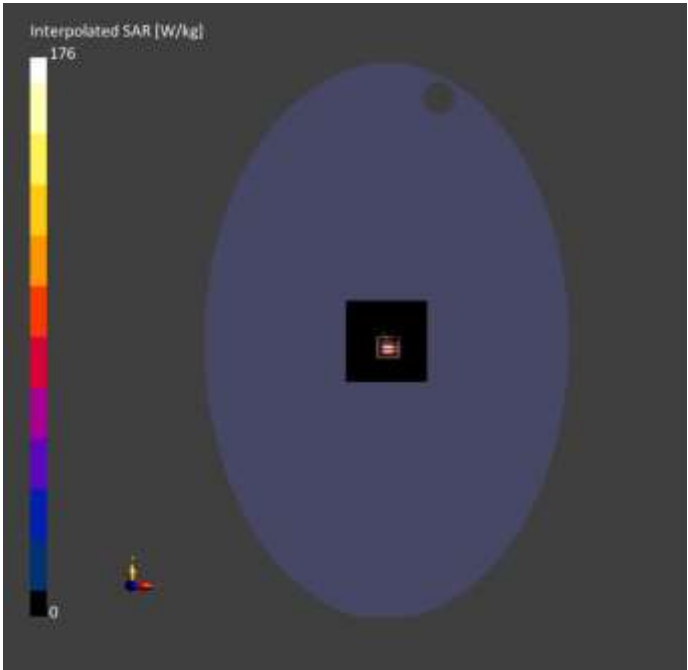
Phantom	TSL, Measured Date		Probe, Calibration Date		DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2162	HBBL-600-10000	2026-07-12	EX3DV4 - SN7607,	2025-08-06	DAE4 Sn1711, 2025-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-12	2026-07-12
psSAR1g [W/kg]	29.2	30.6
psSAR10g [W/kg]	5.31	5.69
APD4cm² [W/m²]		123
Power Drift [dB]	0.02	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.5
Dist 3dB Peak [mm]		7.2



System Check 6500MHz

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [°C]	Liquid Temperature [°C]
Flat, HSL		Validation band	CW, 0--	6500.0, 6500	5.6	5.96	34.7	22.5	21.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2162	HBBL-600-10000 2026-07-13	EX3DV4 - SN7607, 2025-08-06	DAE4 Sn1711, 2025-11-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 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	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	N/A	N/A
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-13	2026-07-13
psSAR1g [W/kg]	27.5	30.5
psSAR10g [W/kg]	5.33	5.62
APD4cm² [W/m²]		135
Power Drift [dB]	-0.05	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.9
Dist 3dB Peak [mm]		7.2

