

Test Laboratory: BTL Inc.

Date: 2025/6/24

System Check_H2450_0624**DUT: Dipole 2450 MHz D2450V2;SN:919;**

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 40.671$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7°C; Liquid Temperature : 22.3°C

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(7.25, 7.25, 7.39) @ 2450 MHz; Calibrated: 2024/12/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (8x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 7.52 W/kg

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

Reference Value = 65.70 V/m; Power Drift = 0.07 dB

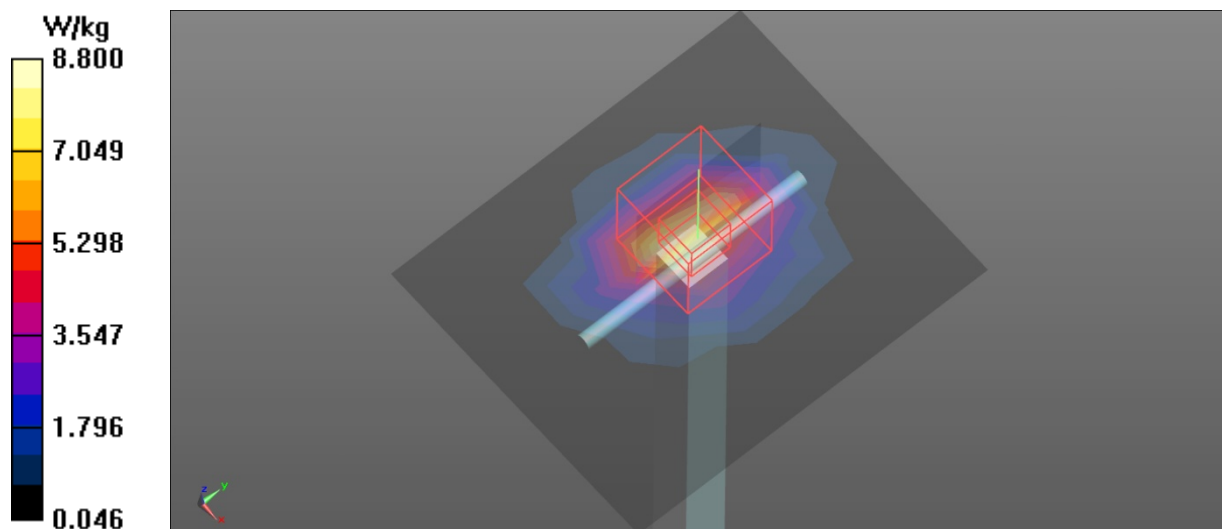
Peak SAR (extrapolated) = 10.5 W/kg

SAR(1 g) = 5.36 W/kg; SAR(10 g) = 2.48 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 50.4%

Maximum value of SAR (measured) = 8.80 W/kg



Test Laboratory: BTL Inc.

Date: 2025/6/25

System Check_H5250_0625**DUT: Dipole D5GHzV2;SN:1160;**

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.589$ S/m; $\epsilon_r = 35.391$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7°C

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(5.51, 5.5, 5.61) @ 5250 MHz; Calibrated: 2024/12/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x6x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.5 W/kg

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

Reference Value = 71.01 V/m; Power Drift = 0.01 dB

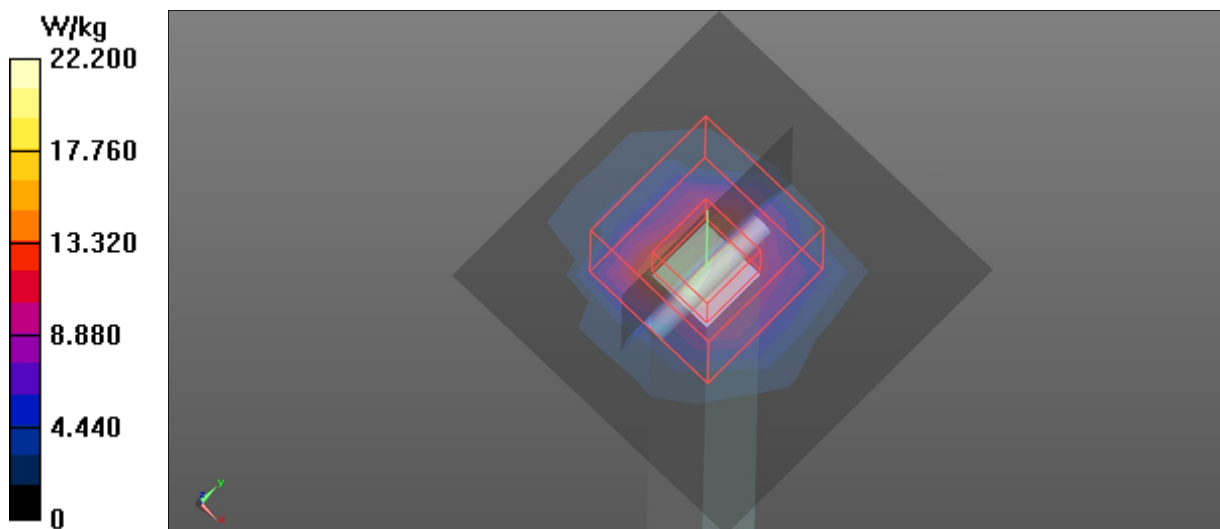
Peak SAR (extrapolated) = 40.3 W/kg

SAR(1 g) = 8.17 W/kg; SAR(10 g) = 2.31 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 18.5%

Maximum value of SAR (measured) = 22.2 W/kg



Test Laboratory: BTL Inc.

Date: 2025/6/25

System Check_H5600_0625**DUT: Dipole D5GHzV2;SN:1160;**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.051$ S/m; $\epsilon_r = 34.576$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(5, 5, 5.09) @ 5600 MHz; Calibrated: 2024/12/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x6x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 16.4 W/kg

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

Reference Value = 66.65 V/m; Power Drift = 0.02 dB

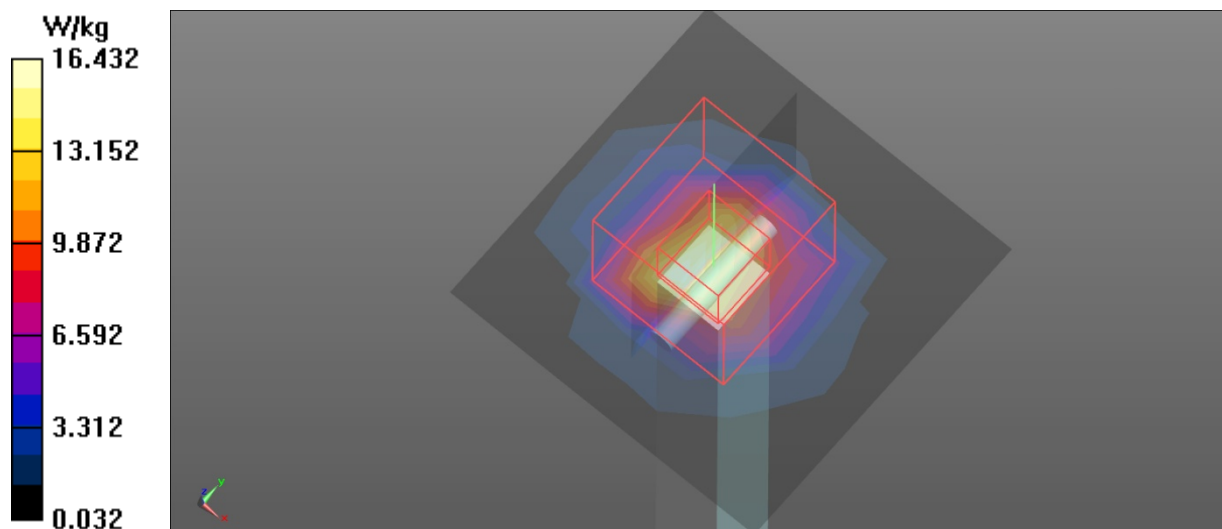
Peak SAR (extrapolated) = 44.0 W/kg

SAR(1 g) = 7.9 W/kg; SAR(10 g) = 2.2 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 15.7%

Maximum value of SAR (measured) = 22.2 W/kg



Test Laboratory: BTL Inc.

Date: 2025/6/25

System Check_H5750_0625**DUT: Dipole D5GHzV2;SN:1160;**

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.168$ S/m; $\epsilon_r = 34.173$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

DASY Configuration:

- Probe: EX3DV4 - SN7350; ConvF(4.96, 4.96, 5.06) @ 5750 MHz; Calibrated: 2024/12/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1128
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Area Scan (6x6x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 15.7 W/kg

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

Reference Value = 64.78 V/m; Power Drift = 0.01 dB

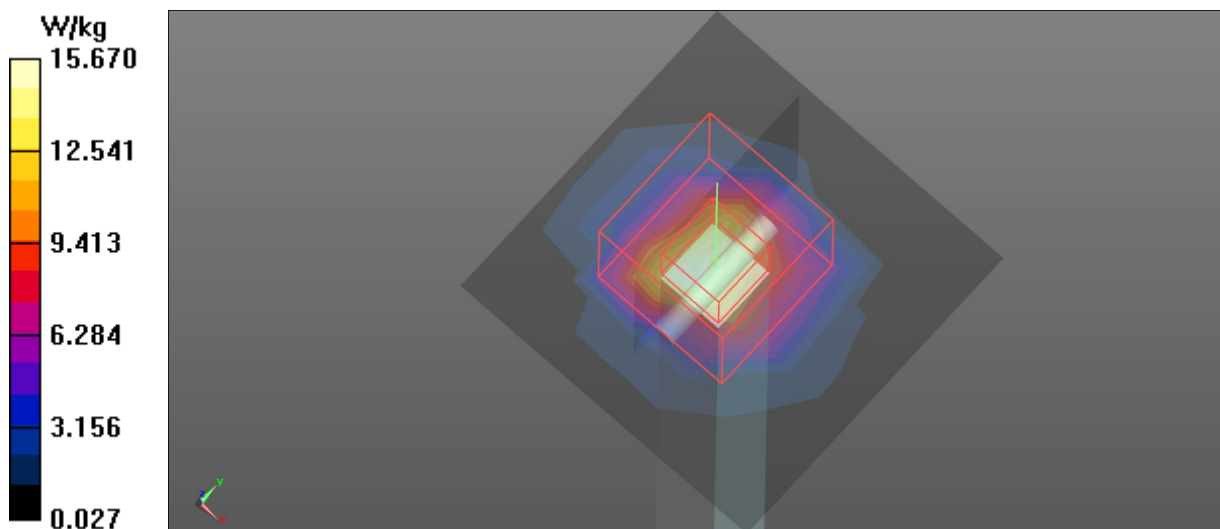
Peak SAR (extrapolated) = 45.2 W/kg

SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.1 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 14.6%

Maximum value of SAR (measured) = 21.2 W/kg



Measurement Report for System Check (6500.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	50.0 x 10.0 x 8.0		Dipole 6.5G

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency	Conversion	TSL	TSL
Section, TSL	Distance		UID	[MHz],	Factor	Conductivity	Permittivity
	[mm]			Channel		[S/m]	
				Number			
Flat,	,		CW,	6500.000,	5.6	5.83	33.1
Head			0--	0			
Simulating							
Liquid							

Hardware Setup

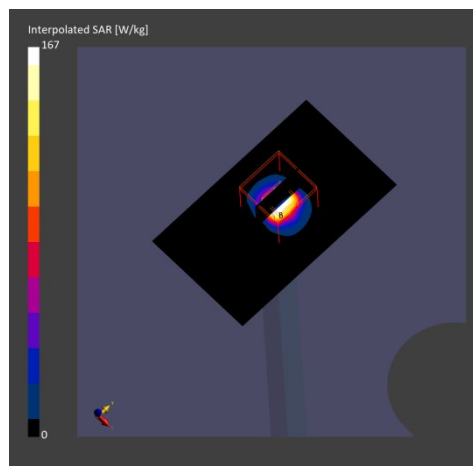
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2081	H600~10000-new+	EX3DV4 - SN7693, 2024-11-20	DAE4 Sn916, 2024-12-04

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2025-06-27	2025-06-27
psSAR1g [W/kg]	22.8	28.1
psSAR10g	4.94	5.38
[W/kg]		
Power Drift [dB]	0.03	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor		
[dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		53.5
Dist 3dB Peak		4.8
[mm]		



Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 10000 (10000.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 172.0	1041	Verification Source 10GHz

Exposure Conditions

Phantom Section	Position, Distance [mm]	Test Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

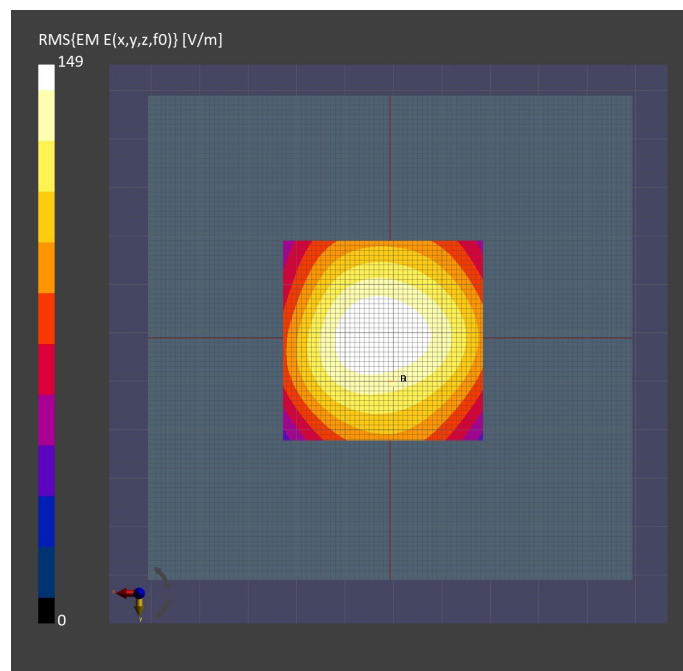
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- xxxx	---Air	EUmmWV4 - SN9602_F1-55GHz, 2025-03-19	DAE4 Sn1390, 2024-11-14

Scan Setup

5G Scan			
Grid	Extents	40.0 x 40.0	
[mm]			
Grid	Steps	0.0625 x 0.0625	
[lambda]			
Sensor	Surface	10.0	
[mm]			
MAIA		Y	

Measurement Results

5G Scan	
Date	2025-07-04
Avg. Area [cm ²]	1.00
psPDn+ [W/m ²]	60.1
psPDtot+ [W/m ²]	60.2
psPDmod+ [W/m ²]	60.5
E _{max} [V/m]	149
Power Drift [dB]	0.02



Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 10000 (10000.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 172.0	1041	Verification Source 10GHz

Exposure Conditions

Phantom Section	Position, Distance [mm]	Test Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- xxxx	---Air	EUmmWV4 - SN9602_F1-55GHz, 2025-3-19	DAE4 Sn1390, 2024-11-14

Scan Setup

	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	10.0
MAIA	Y

Measurement Results

	5G Scan
Date	2025-07-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	52.1
psPDtot+ [W/m ²]	52.3
psPDmod+ [W/m ²]	52.8
E _{max} [V/m]	149
Power Drift [dB]	0.02

