

Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/8/28

System Check_H2450_0828**DUT: Dipole 2450 MHz D2450V2;SN:919;**

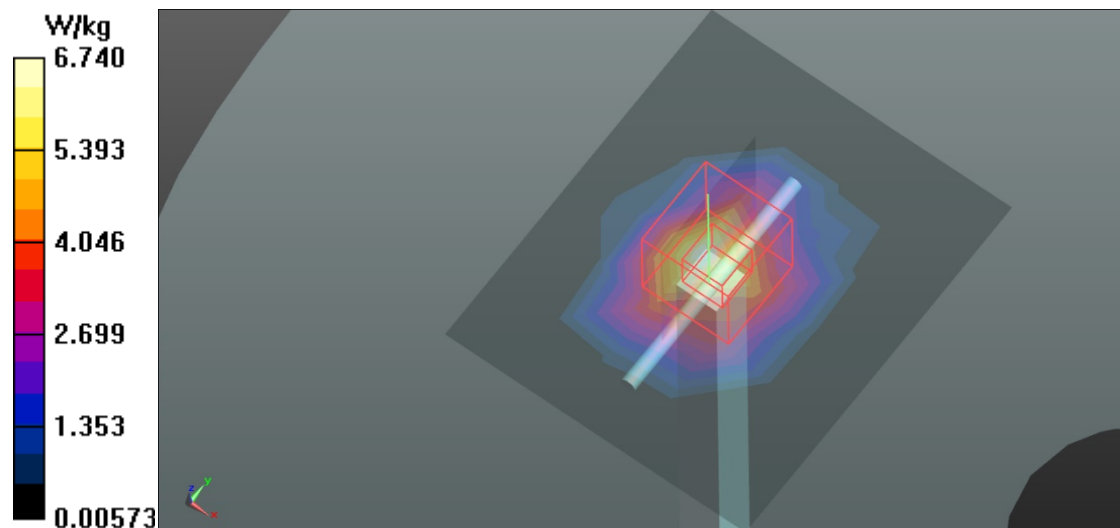
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.874$ S/m; $\epsilon_r = 38.301$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.4 °C; Liquid Temperature: 22.2 °C

DASY Configuration:

- Probe:EX3DV4-SN7544; ConvF(7.63, 7.63, 7.63) @ 2450 MHz; Calibrated: 2025/6/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: S/N:1896
- 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) = 6.74 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 69.87 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 11.0 W/kg
SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.46 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 49.2%
Maximum value of SAR (measured) = 8.77 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/8/15

System Check_H5250_815**DUT: Dipole D5GHzV2;SN:1160;**

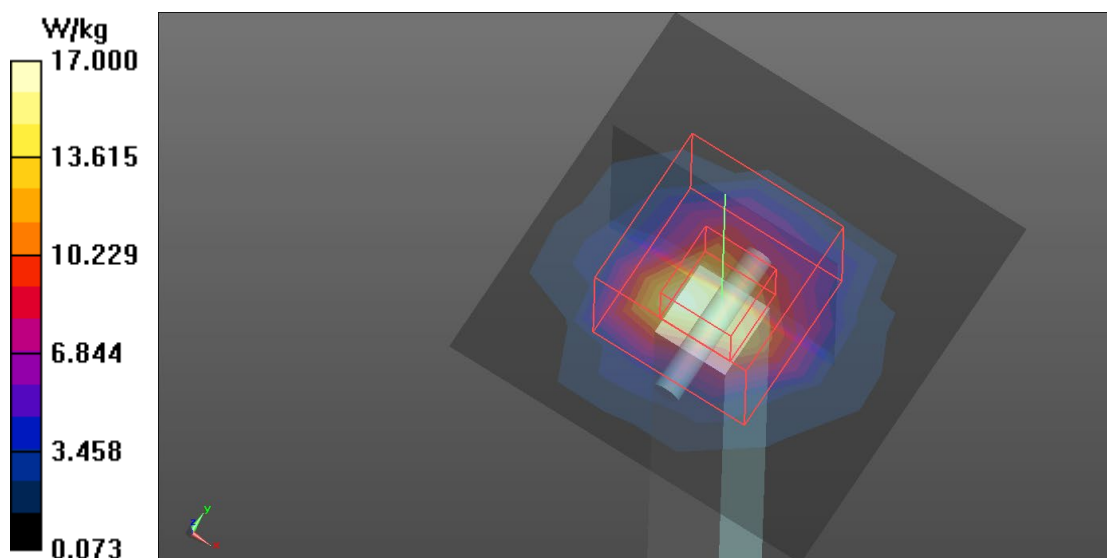
Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5250$ MHz; $\sigma = 4.781$ S/m; $\epsilon_r = 37.107$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 -SN3809; ConvF(5.51, 5.06, 4.93)@5745MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: S/N:1896
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) = 17.0 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 70.83 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 39.2 W/kg
SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.29 W/kg
Smallest distance from peaks to all points 3 dB below = 6.6 mm
Ratio of SAR at M2 to SAR at M1 = 19.8%
Maximum value of SAR (measured) = 21.5 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/8/15

System Check_H5600_0815**DUT: Dipole D5GHzV2;SN:1160;**

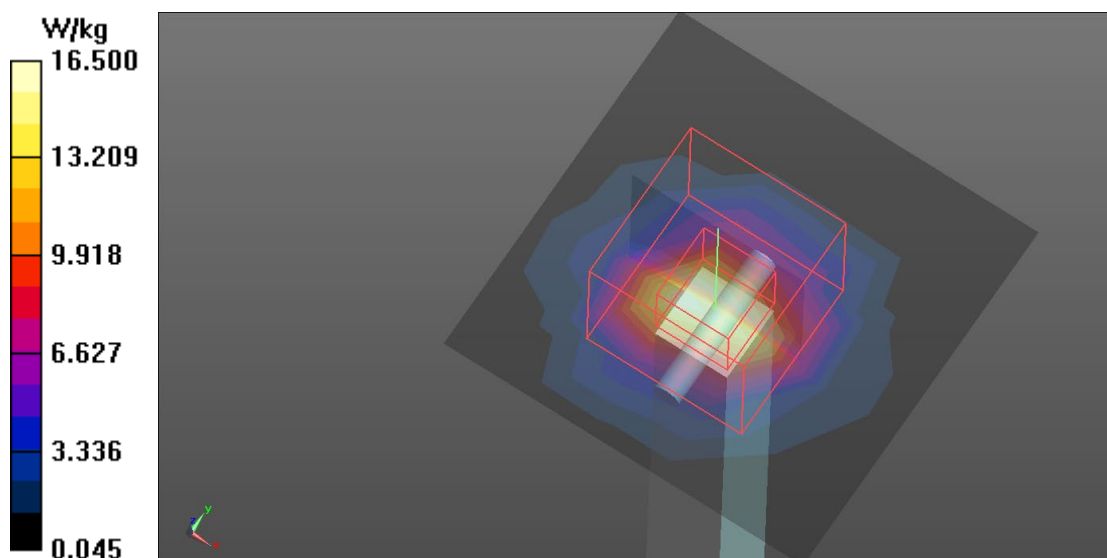
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.109$ S/m; $\epsilon_r = 35.349$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 -SN3809; ConvF(5.51, 5.06, 4.93)@5745MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: S/N:1896
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 = 63.09 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 34.3 W/kg
SAR(1 g) = 8.21 W/kg; SAR(10 g) = 2.34 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 52.8%
Maximum value of SAR (measured) = 21.2 W/kg



Test Laboratory: BTL Inc. (Dongguan)

Date: 2025/8/15

System Check_H5750_0815**DUT: Dipole D5GHzV2;SN;1160;**

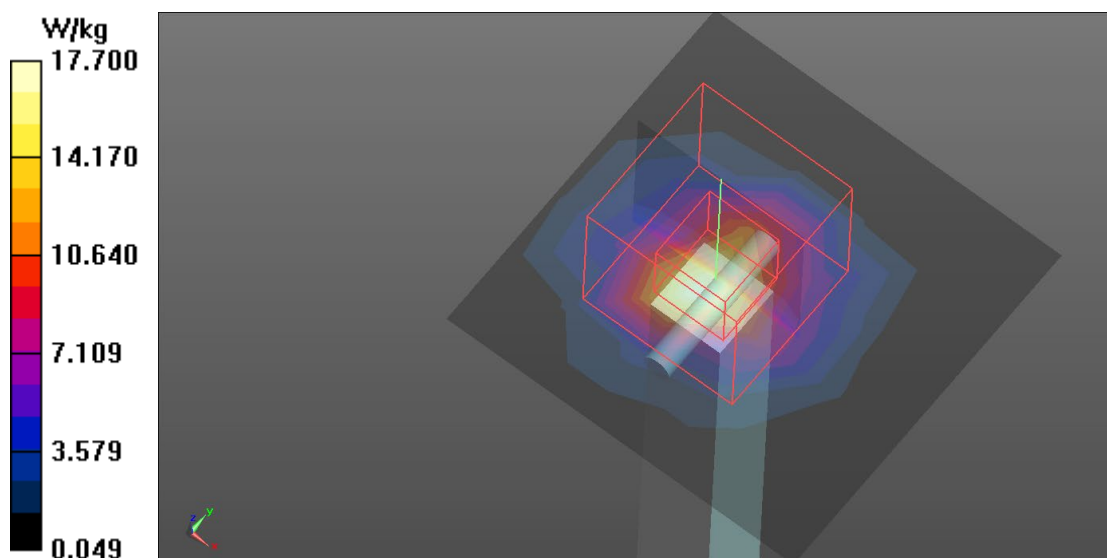
Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5750$ MHz; $\sigma = 5.302$ S/m; $\epsilon_r = 34.978$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.2 °C; Liquid Temperature: 22.5 °C

DASY Configuration:

- Probe: EX3DV4 -SN3809; ConvF(5.51, 5.06, 4.93)@5745MHz; Calibrated: 2025/1/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2024/11/14
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: S/N:1896
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) = 17.7 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 60.64 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 7.62 W/kg; SAR(10 g) = 2.18 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 53%
Maximum value of SAR (measured) = 19.4 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 Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	6500.000, 0	5.6	5.87	33.6

Hardware Setup

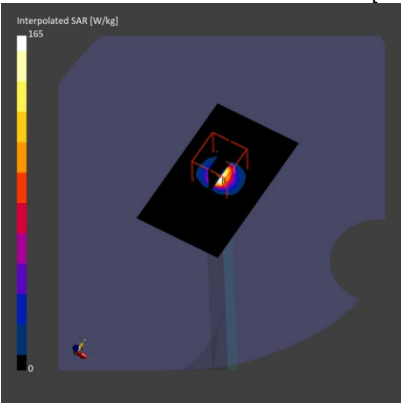
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2081	HBBL-695-10000	EX3DV4 - SN7693, 2024-11-20	DAE4 Sn1717, 2025-06-19

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	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-09-01	2025-09-01
psSAR1g [W/kg]	24.3	27.9
psSAR10g [W/kg]	5.22	5.35
Power Drift [dB]	0.01	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		5.2



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, Test Distance [mm]	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,CalibrationDate	DAE,CalibrationDate
mmWave- xxxx	---Air	EUmmWV4 - SN9561_F1-55GHz, 2025-06-18	DAE4 Sn1717, 2025-06-19

Scan Setup

	5G Scan
Grid Extents [mm]	110.0 x 110.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0
MAIA	Y

Measurement Results

	5G Scan
Date	2025-08-29
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	58.0
psPDtot+ [W/m ²]	60.8
psPDmod+ [W/m ²]	61.3
E _{max} [V/m]	159
Power Drift [dB]	-0.01

