

Appendix E

System Verification Check Scans

(LMR_VHF)

SPEAG CLA150 / 4010

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/30/2026 1:59:15 PM

Robot#: DASY5-PG-2 | Run#: MHY-SYSP-150H-260630-11
Dipole Model# CLA-150
Phantom#: ELI4 1022
Tissue Temp: 20.7 (C)
Serial#: 4010
Test Freq: 150.0000 (MHz)
Start Power: 1000 (mW)
Rotation (1D): 0.2 dB
Adjusted SAR (1W): 3.88 mW/g (1g)

Comments:

Communication System Band: CLA150, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 150$ MHz; $\sigma = 0.739$ S/m; $\epsilon_r = 50.877$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7511, Calibrated: 7/23/2024, Frequency: 150 MHz, ConvF(12.04, 12.04, 12.04) @ 150 MHz

Electronics: DAE4 Sn1488, Calibrated: 1/16/2024

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (81x81x1):Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 85.75 V/m; Power Drift = 0.05 dB

Fast SAR: SAR(1 g) = 4.66 W/kg; SAR(10 g) = 3.3 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 5.55 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 85.75 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 6.87 W/kg

SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.49 W/kg (SAR corrected for target medium)

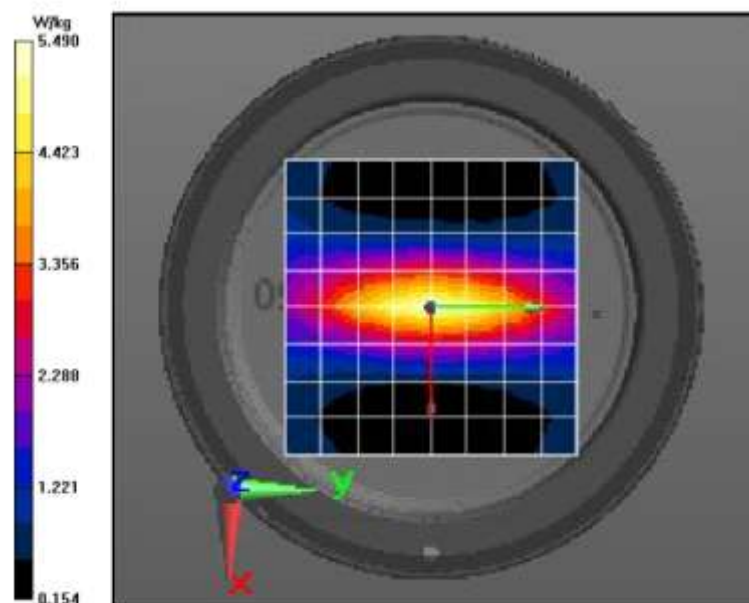
Smallest distance from peaks to all points 3 dB below = 15 mm

Ratio of SAR at M2 to SAR at M1 = 56.9%

Maximum value of SAR (measured) = 5.52 W/kg

Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurementgrid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm

Maximum value of SAR (measured) = 5.49 W/kg



(LMR_UHF)

SPEAG D450V3 / 1077

Motorola Solutions, Inc. EME Laboratory

Date/Time: 6/29/2026 11:05:56 AM

Robot#: DASY5-PG-2 | Run#: MHY-SYSP-450H-260629-01
 Dipole Model#: D450V2
 Phantom#: ELI4 1090
 Tissue Temp: 21.8 (C)
 Serial#: 1077
 Test Freq: 450.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.19 dB
 Adjusted SAR (1W): 4.84 mW/g (1g)

Comments:

Communication System Band: Dipole 450, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 450$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 42.942$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7511, Calibrated: 7/23/2024, Frequency: 450 MHz, ConvF(10.26, 10.26, 10.26) @ 450 MHz
 Electronics: DAE4 Sn1488, Calibrated: 1/16/2024

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x201x1):Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 44.41 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.903 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.66 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 44.41 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.809 W/kg (SAR corrected for target medium)

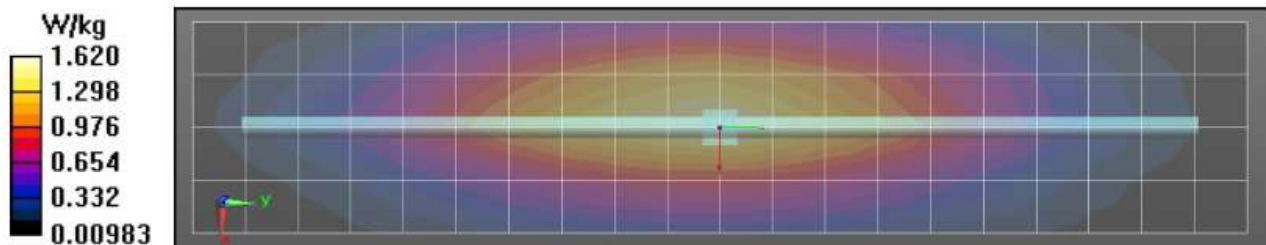
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 63.6%

Maximum value of SAR (measured) = 1.67 W/kg

Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurementgrid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm

Maximum value of SAR (measured) = 1.67 W/kg



(LMR_750)

SPEAG D750V3 / 1098

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/1/2026 9:47:36 PM

Robot#: DASY5-PG-2 | Run#: MHN-SYSP-750H-260701-11
Dipole Model# D750V3
Phantom#: ELI4 1022
Tissue Temp: 22.0 (C)
Serial#: 1098
Test Freq: 750.0000 (MHz)
Start Power: 31.6 (mW)
Rotation (1D): 0.24 dB
Adjusted SAR (1W): 8.54 mW/g (1g)

Comments:

Communication System Band: Dipole 750, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: $f = 750$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 43.7$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7511, Calibrated: 7/23/2024, Frequency: 750 MHz, ConvF(9.39, 9.39, 9.39) @ 750 MHz
Electronics: DAE4 Sn1488, Calibrated: 1/16/2024

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 20.95 V/m; Power Drift = 0.00 dB

Fast SAR: SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.183 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.352 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 20.95 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.409 W/kg

SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.177 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

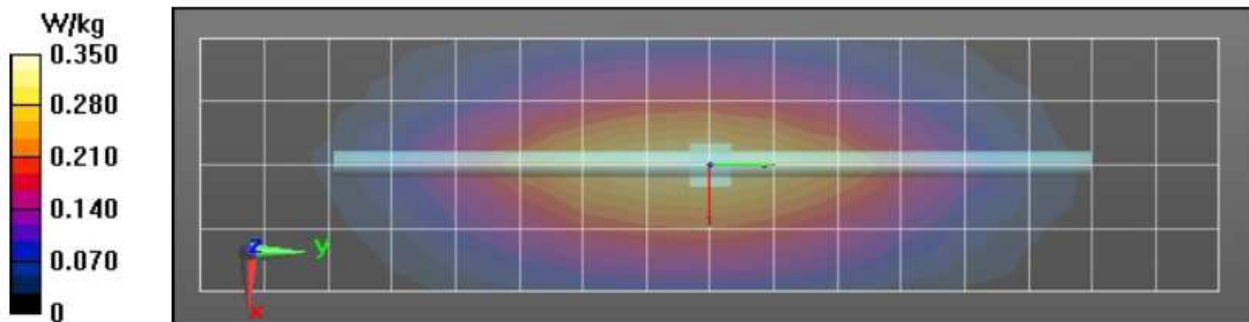
Ratio of SAR at M2 to SAR at M1 = 65%

Maximum value of SAR (measured) = 0.358 W/kg

Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement

grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.353 W/kg



(LMR_750)

SPEAG D750V3 / 1142

Motorola Solutions, EME Laboratory

2026-07-23, 15:16

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D750V3 – SN1142	750.0	HSL	15.0	-4.2	0.5

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	15		CW, 0-	750.000, 0	9.75	0.829	42.4

Hardware Setup

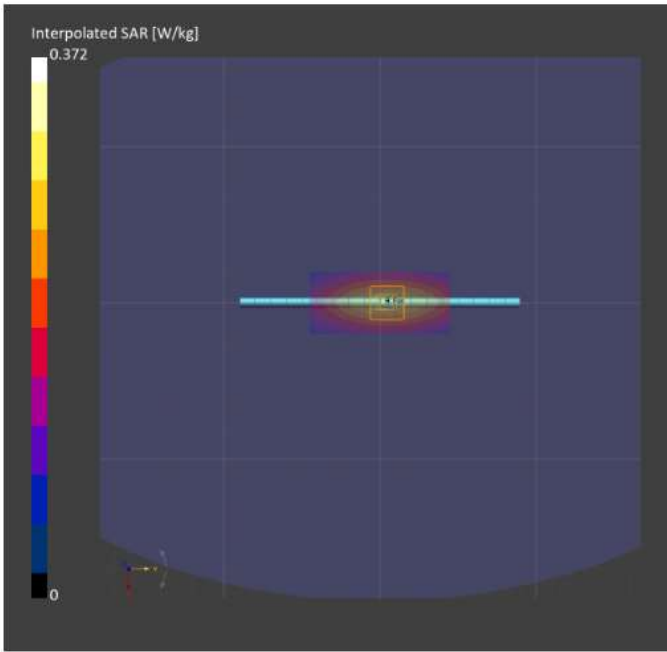
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) – 1011	HBBL-600-10000 , 2026-07-23	EX3DV4 – SN7940, 2026-01-23	DAE4 Sn1598, 2024-05-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-23, 15:16	2026-07-23, 15:25
psSAR1g [W/Kg]	0.272	0.259
psSAR10g [W/Kg]	0.179	0.177
Power Drift [dB]	-0.16	-0.06
TSL Correction	Positive / Negative	Positive / Negative



(LMR_835)

SPEAG D835V2 / 4d030

Motorola Solutions, EME Laboratory

2026-07-15, 04:49

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D835V2 - SN4d030	835.0	HSL	15.0	-2.0	1.5

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	15		CW, 0-	835.000, 0	9.52	0.830	38.4

Hardware Setup

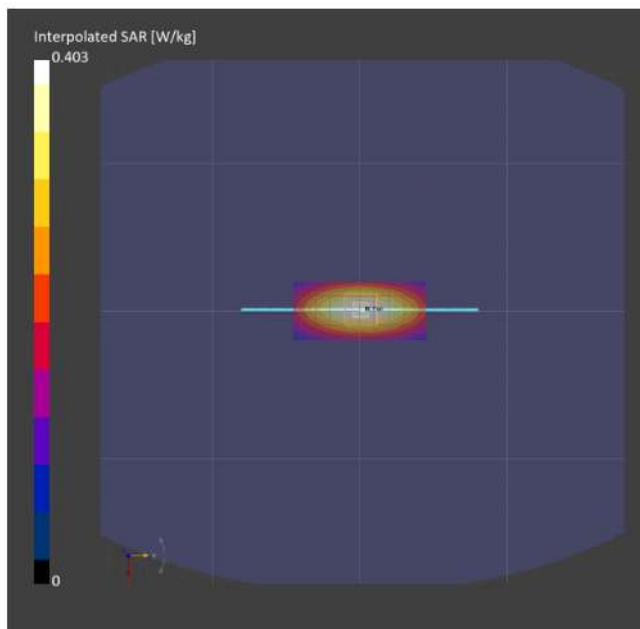
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - 1011	HBBL-600-10000, 2026-07-15	EX3DV4 - SN7940, 2026-01-23	DAE4 Sn1598, 2024-05-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-15, 04:49	2026-07-15, 04:56
psSAR1g [W/Kg]	0.298	0.300
psSAR10g [W/Kg]	0.195	0.203
Power Drift [dB]	0.02	0.05
TSL Correction	Positive / Negative	Positive / Negative



(LMR_835)

SPEAG D835V2 / 4d029

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/3/2026 5:01:39 PM

Robot#: DASY5-PG-2 | Run#: AR(AIZ)-SYSP-835H-260703-11
Dipole Model#: D835V2
Phantom#: ELI4 1022
Tissue Temp: 22.7 (C)
Serial#: 4d029
Test Freq: 835.0000 (MHz)
Start Power: 31.6 (mW)
Rotation (1D): 0.25 dB
Adjusted SAR (1W): 8.89 mW/g (1g)

Comments:

Communication System Band: Dipole 835, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: $f = 835$ MHz; $\sigma = 0.944$ S/m; $\epsilon_r = 40.564$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7511, Calibrated: 7/23/2024, Frequency: 835 MHz, ConvF(9.08, 9.08, 9.08) @ 835 MHz
Electronics: DAE4 Sn1488, Calibrated: 1/16/2024

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x161x1):Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 20.01 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.179 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.356 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 20.01 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.451 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.185 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 0.394 W/kg

Below 2 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurementgrid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm

Maximum value of SAR (measured) = 0.358 W/kg

