

Appendix C

System Verification Check Scan

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/28/2022 10:18:50 AM

Robot#: DASY5-PG-2 | Run#: MFR-SYSP-835H-220328-01
 Dipole Model#: D835V2
 Phantom#: ELI4 1011
 Tissue Temp: 21.5 (C)
 Serial#: 4d029
 Test Freq: 835.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.15 dB
 Adjusted SAR (1W): 9.28 mW/g (1g)

Comments:

Communication System Band: Dipole 835, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 835$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 835 MHz, ConvF(9.98, 9.98, 9.98) @ 835 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):

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

Reference Value = 60.11 V/m; Power Drift = 0.14 dB

Fast SAR: SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.57 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.21 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 = 60.11 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.63 W/kg

SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.51 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 20.2 mm

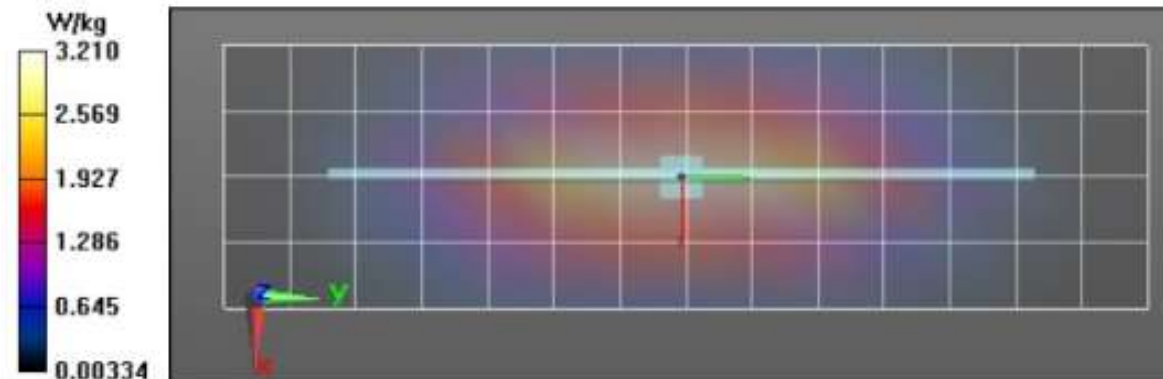
Ratio of SAR at M2 to SAR at M1 = 64.9%

Maximum value of SAR (measured) = 3.20 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) = 3.21 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2022 10:55:00 AM

Robot#: DASY5-PG-2 | Run#: MFR(AMF)-SYSP-835H-220329-10
 Dipole Model#: D835V2
 Phantom#: ELI4 1011
 Tissue Temp: 20.5 (C)
 Serial#: 4d029
 Test Freq: 835.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.092 dB
 Adjusted SAR (1W): 9.36 mW/g (1g)

Comments:

Communication System Band: Dipole 835, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 835$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 835 MHz, ConvF(9.98, 9.98, 9.98) @ 835 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):

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

Reference Value = 61.84 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.6 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.27 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 = 61.84 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.70 W/kg

SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.53 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 19.2 mm

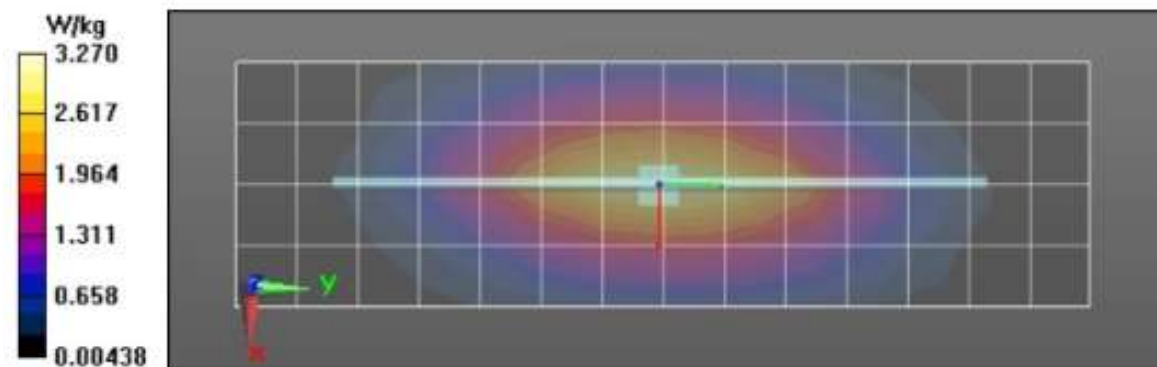
Ratio of SAR at M2 to SAR at M1 = 65.1%

Maximum value of SAR (measured) = 3.27 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) = 3.23 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/30/2022 10:34:02 AM

Robot#: DASY5-PG-2 | Run#: MFR(AMF)-SYSP-835H-220330-09
Dipole Model# D835V2
Phantom#: ELI4 1011
Tissue Temp: 20.5 (C)
Serial#: 4d029
Test Freq: 835.0000 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.090dB
Adjusted SAR (1W): 10.00mW/g (1g)

Comments:

Communication System Band: Dipole 835, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.94 \text{ S/m}$; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$
Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 835 MHz, ConvF(9.98, 9.98, 9.98) @ 835 MHz
Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):

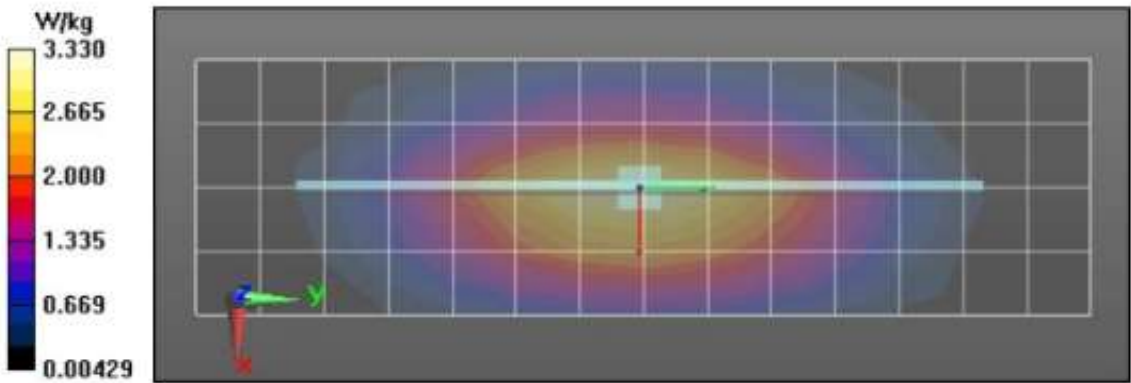
Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Reference Value = 66.74 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.71 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.44 W/kg

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

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 66.74 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.95 W/kg
SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.63 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 = 64.9%
Maximum value of SAR (measured) = 3.48 W/kg

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

grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
Maximum value of SAR (measured) = 3.88 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/31/2022 4:33:39 AM

Robot#: DASY5-PG-2 | Run#: AF-SYSP-900H-220331-05
 Dipole Model#: D900V2
 Phantom#: ELI4 1011
 Tissue Temp: 19.9 (C)
 Serial#: 1d025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.090 dB
 Adjusted SAR (1W): 11.40 mW/g (1g)

Comments:

Communication System Band: Dipole 900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 900$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 900 MHz, ConvF(9.86, 9.86, 9.86) @ 900 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):

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

Reference Value = 66.19 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 2.96 W/kg; SAR(10 g) = 1.92 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.96 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 = 66.19 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 4.54 W/kg

SAR(1 g) = 2.85 W/kg; SAR(10 g) = 1.83 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 16.5 mm

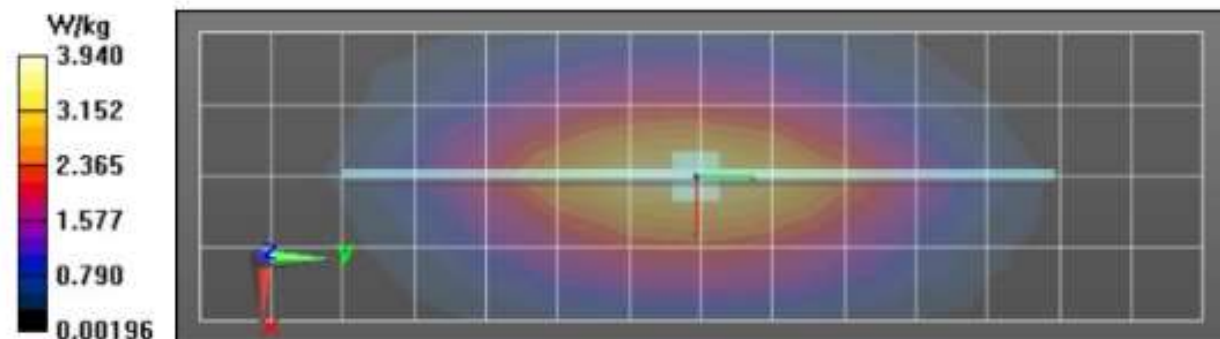
Ratio of SAR at M2 to SAR at M1 = 63.9%

Maximum value of SAR (measured) = 3.99 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) = 3.99 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/1/2022 4:26:57 AM

Robot#: DASY5-PG-2 | Run#: AF-SYSP-900H-220401-05
 Dipole Model#: D900V2
 Phantom#: ELI4 1011
 Tissue Temp: 19.6 (C)
 Serial#: 1d025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.100 dB
 Adjusted SAR (1W): 11.24 mW/g (1g)

Comments:

Communication System Band: Dipole 900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 900$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 900 MHz, ConvF(9.86, 9.86, 9.86) @ 900 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):

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

Reference Value = 68.54 V/m; Power Drift = -0.19 dB

Fast SAR: SAR(1 g) = 2.95 W/kg; SAR(10 g) = 1.91 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.94 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 = 68.54 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 4.48 W/kg

SAR(1 g) = 2.81 W/kg; SAR(10 g) = 1.8 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 17.5 mm

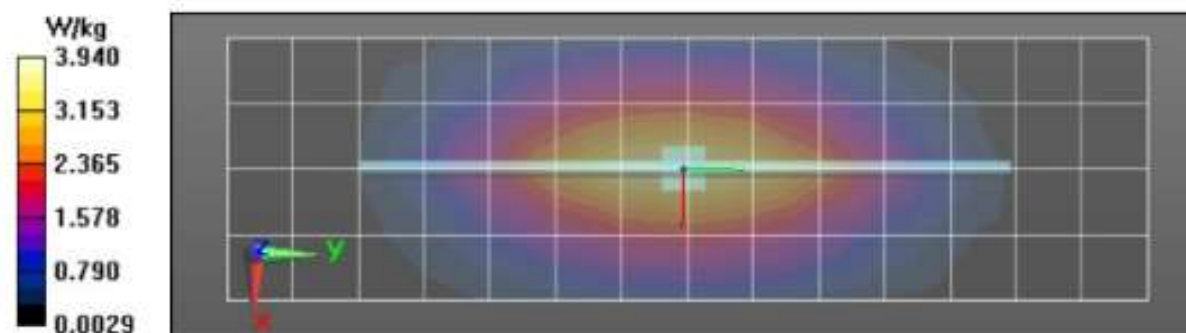
Ratio of SAR at M2 to SAR at M1 = 63.8%

Maximum value of SAR (measured) = 3.94 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) = 4.08 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/2/2022 4:01:14 AM

Robot#: DASY5-PG-2 | Run#: AF-SYSP-900H-220402-06
 Dipole Model#: D900V2
 Phantom#: ELI4 1011
 Tissue Temp: 19.4 (C)
 Serial#: 1d025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.093 dB
 Adjusted SAR (1W): 11.32 mW/g (1g)

Comments:

Communication System Band: Dipole 900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 900$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 42.8$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 900 MHz, ConvF(9.86, 9.86, 9.86) @ 900 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x141x1):

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

Reference Value = 65.99 V/m; Power Drift = -0.11 dB

Fast SAR: SAR(1 g) = 2.97 W/kg; SAR(10 g) = 1.91 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.95 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 = 65.99 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 4.46 W/kg

SAR(1 g) = 2.83 W/kg; SAR(10 g) = 1.81 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 18.3 mm

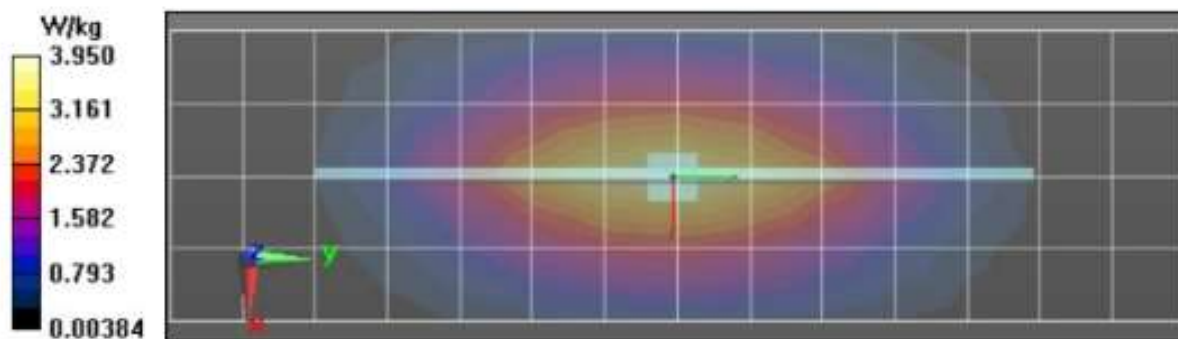
Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 3.92 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) = 3.94 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/12/2022 12:41:55 AM

Robot#: DASY5-PG-3 | Run#: BAD-SYSP-835H-220412-01#
 Dipole Model#: D835V2
 Phantom#: ELI4 1011
 Tissue Temp: 22.0 (C)
 Serial#: 4d029
 Test Freq: 835.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.13 dB
 Adjusted SAR (1W): 9.80 mW/g (1g)

Comments:

Communication System Band: Dipole 835, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 835$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 835 MHz, ConvF(10.5, 10.5, 10.5) @ 835 MHz

Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x131x1):

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

Reference Value = 63.20 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.66 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.38 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 = 63.20 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.78 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.61 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 18.3 mm

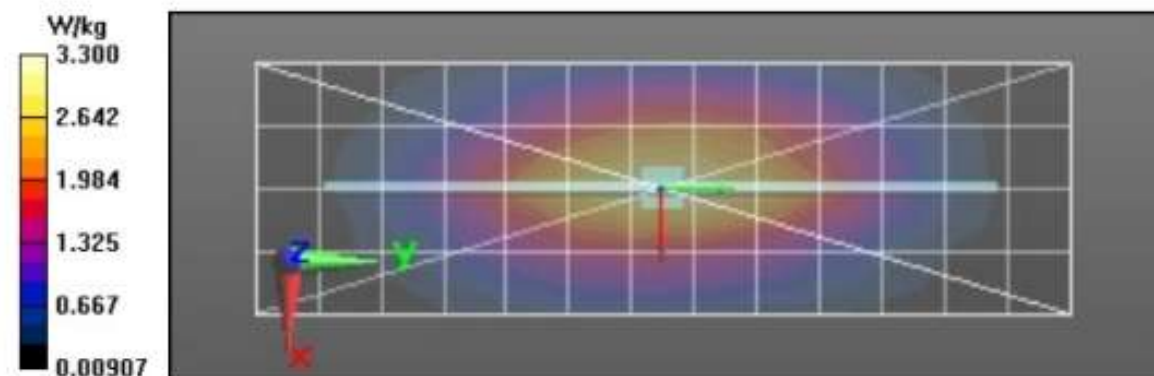
Ratio of SAR at M2 to SAR at M1 = 66.4%

Maximum value of SAR (measured) = 3.37 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) = 3.39 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/10/2022 4:00:36 PM

Robot#: DASY5-PG-3 | Run#: SAN(IRA)-SYSP-900H-220510-04
 Dipole Model#: D900V2
 Phantom#: ELI4 1108
 Tissue Temp: 20.2 (C)
 Serial#: 1D025
 Test Freq: 900.0000(MHz)
 Start Power: 250(mW)
 Rotation (1D): 0.100 dB
 Adjusted SAR (1W): 11.32 mW/g (1g)

Comments:

Communication System Band: Dipole 900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 900$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 900 MHz, ConvF(10.32, 10.32, 10.32) @ 900 MHz

Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x151x1):

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

Reference Value = 66.52 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 2.92 W/kg; SAR(10 g) = 1.88 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.73 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 = 66.52 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.22 W/kg

SAR(1 g) = 2.83 W/kg; SAR(10 g) = 1.81 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 18.3 mm

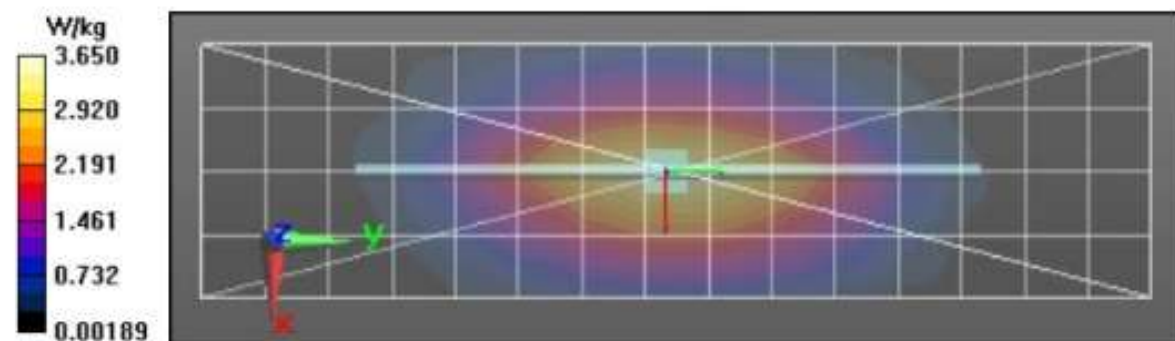
Ratio of SAR at M2 to SAR at M1 = 65.3%

Maximum value of SAR (measured) = 3.74 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) = 3.73 W/kg



Motorola Solutions, EME Laboratory

2022-04-01, 23:37

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2450V2 - SN782	2450.0	HSL	23.9794	-0.7	-0.6

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, U/D	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0—	2450.0, 0	7.0	1.72	38.3

Hardware Setup

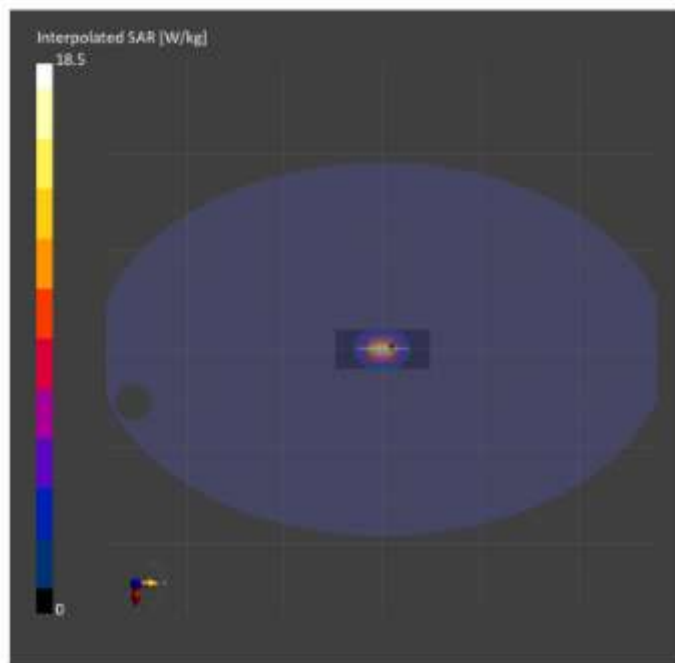
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe kit) - ELI4 1109	HSL2450, 2022-Apr-01	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-01, 23:37	2022-04-01, 23:46
psSAR1g [W/Kg]	14.3	13.5
psSAR10g [W/Kg]	6.57	6.29
Power Drift [dB]	-0.10	-0.10
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-03, 00:27

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2450V2 - SN782	2450.0	HSL	23.98	-4.2	-3.4

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0---	2450.0, 0	7.0	1.74	40.8

Hardware Setup

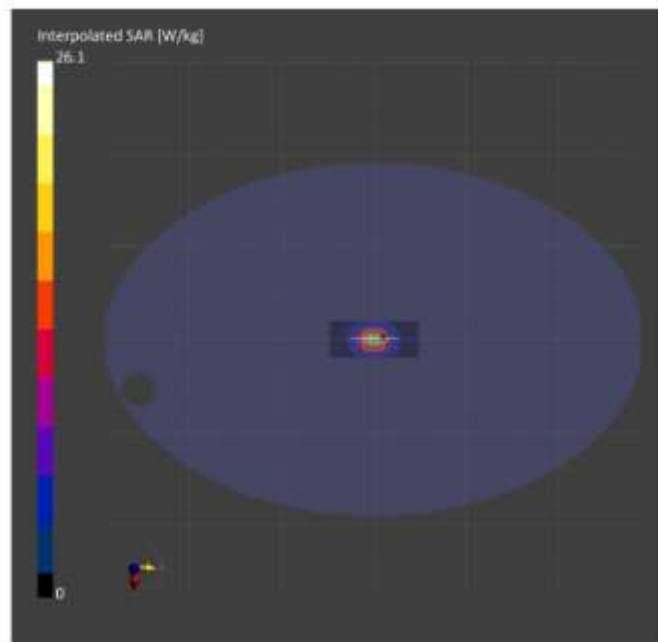
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2450, 2022-Apr-02	EXIDV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-03, 00:27	2022-04-03, 00:36
psSAR1g [W/Kg]	13.2	13.0
psSAR10g [W/Kg]	6.09	6.11
Power Drift [dB]	0.03	0.03
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-03, 22:24

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2450V2 - SN782	2450.0	HSL	23.98	-3.9	-2.4

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0—	2450.0, 0	7.0	1.76	39.3

Hardware Setup

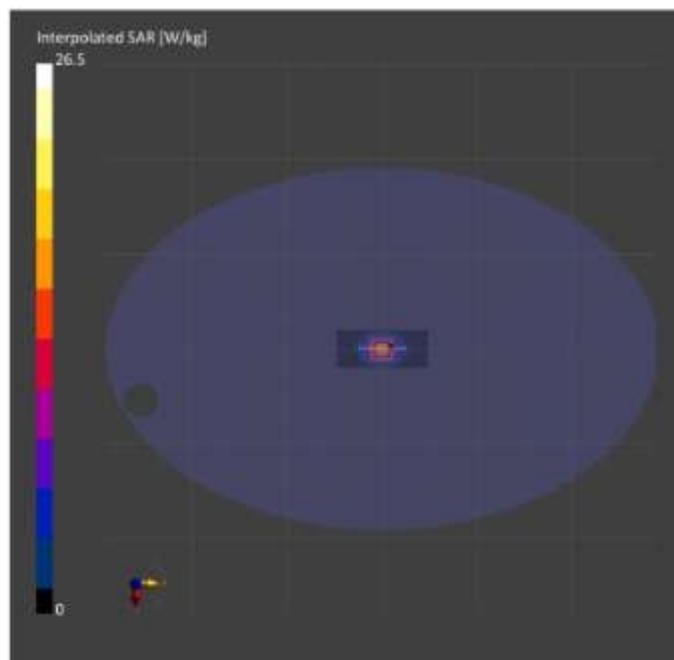
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe kit) - ELI4 1109	HSL2450, 2022-Apr-03	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-03, 22:24	2022-04-03, 22:31
psSAR1g [W/Kg]	13.3	13.1
psSAR10g [W/Kg]	6.16	6.17
Power Drift [dB]	-0.00	-0.00
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-20, 22:18

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2450V2 - SN782	2450.0	HSL	23.97	-1.9	-2.6

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0--	2450.0, 0	7.0	1.76	41.0

Hardware Setup

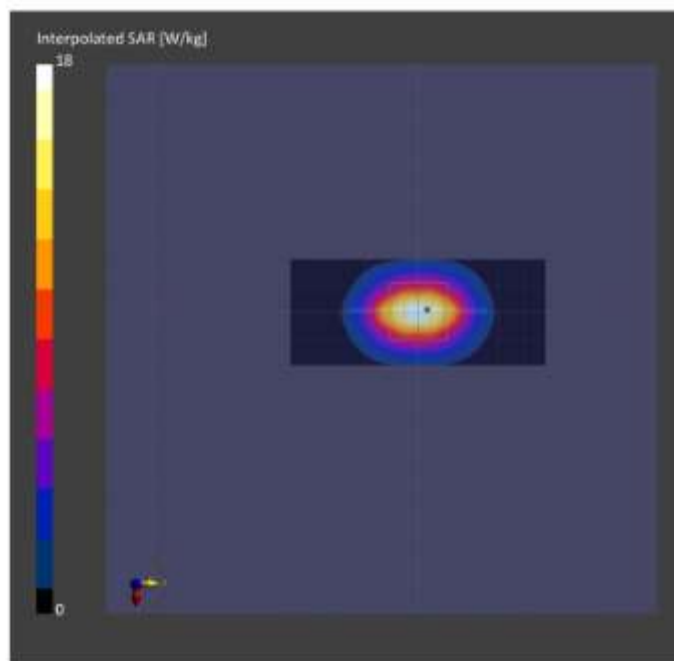
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe 11l) - ELI4 1100	HSL2450, 2022-Apr-20	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn720, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-20, 22:18	2022-04-20, 22:28
psSAR1g [W/Kg]	13.8	13.3
psSAR10g [W/Kg]	6.35	6.14
Power Drift [dB]	-0.01	0.00
TSL Correction	Positive / Negative	Positive / Negative



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2022-04-22, 11:33

System Performance Check Report

Summary

Dipole	Frequency (MHz)	TSL	Power (dBm)	Dev. 1g (%)	Dev. 10g (%)
D2450V2 - SN782	2450.0	HSL	23.98	-3.9	-4.3

Exposure Conditions

Phantom Section, TSL	Test Distance (mm)	Band	Group, UID	Frequency (MHz), Channel Number	Conversion Factor	TSL Conductivity (S/m)	TSL Permittivity
Flat, HSL	10		, 0--	2450.0, 0	7.0	1.78	36.8

Hardware Setup

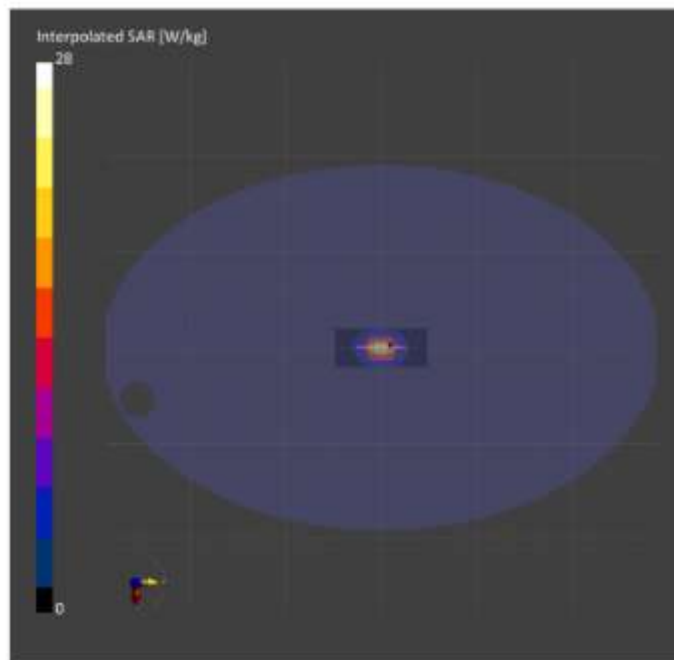
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2450, 2022-Apr-22	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents (mm)	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps (mm)	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface (mm)	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-22, 11:33	2022-04-22, 11:40
psSAR1g (W/Kg)	13.5	13.1
psSAR10g (W/Kg)	6.24	6.05
Power Drift (dB)	-0.00	0.02
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/2/2022 9:14:48 PM

Robot#: DASY5-PG-2 | Run#: MFR-SYSP-5250H-220402-12
 Dipole Model#: D5GHzV2
 Phantom#: ELI4 1108
 Tissue Temp: 22.0 (C)
 Serial#: 1022
 Test Freq: 5250.0000 (MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.23 dB
 Adjusted SAR (1W): 76.10 mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.46$ S/m; $\epsilon_r = 33$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 5250 MHz, ConvF(5.38, 5.38, 5.38) @ 5250 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 74.80 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.07 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.7 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 74.80 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 31.4 W/kg

SAR(1 g) = 7.61 W/kg; SAR(10 g) = 2.17 W/kg (SAR corrected for target medium)

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

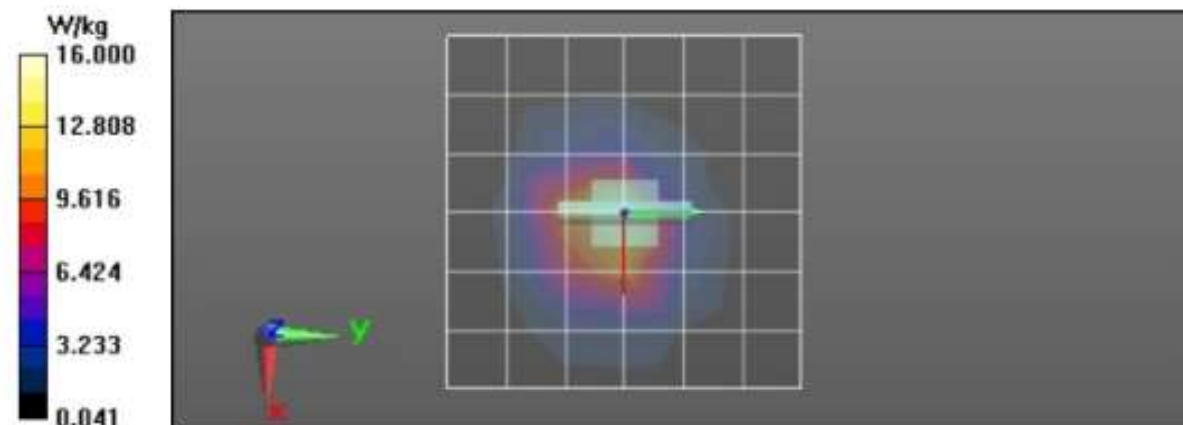
Ratio of SAR at M2 to SAR at M1 = 54.5%

Maximum value of SAR (measured) = 17.9 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 19.7 W/kg



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Date/Time: 4/3/2022 9:33:34 PM

Robot#: DASY5-PG-2 | Run#: MFR-SYSP-5250H-220403-07
 Dipole Model#: D5GHzV2
 Phantom#: ELI4 1108
 Tissue Temp: 22.0 (C)
 Serial#: 1022
 Test Freq: 5250.0000 (MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.24 dB
 Adjusted SAR (1W): 79.20 mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.42$ S/m; $\epsilon_r = 32.7$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 5250 MHz, ConvF(5.38, 5.38, 5.38) @ 5250 MHz

Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 77.97 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 7.67 W/kg; SAR(10 g) = 2.11 W/kg (SAR corrected for target medium)

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

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 77.97 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 33.1 W/kg

SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.24 W/kg (SAR corrected for target medium)

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

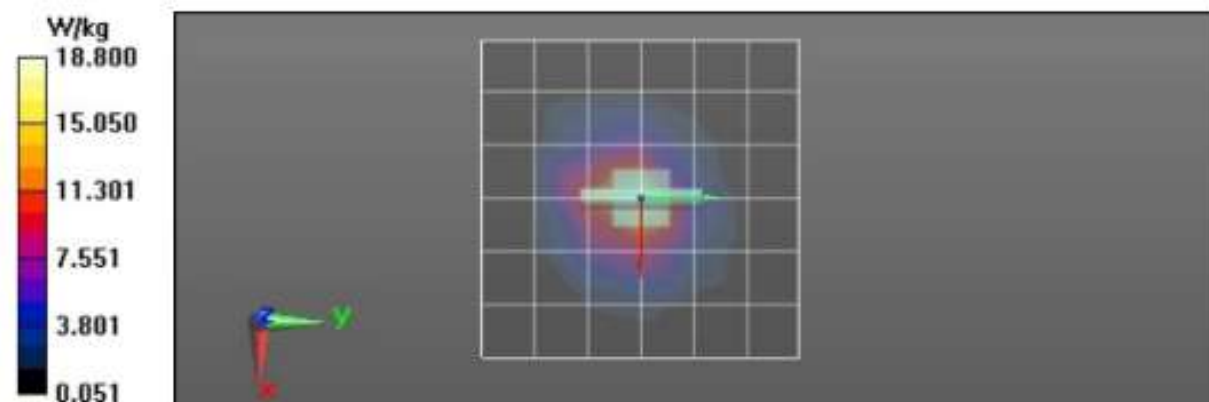
Ratio of SAR at M2 to SAR at M1 = 54.1%

Maximum value of SAR (measured) = 19.1 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 21.5 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/4/2022 8:14:01 PM

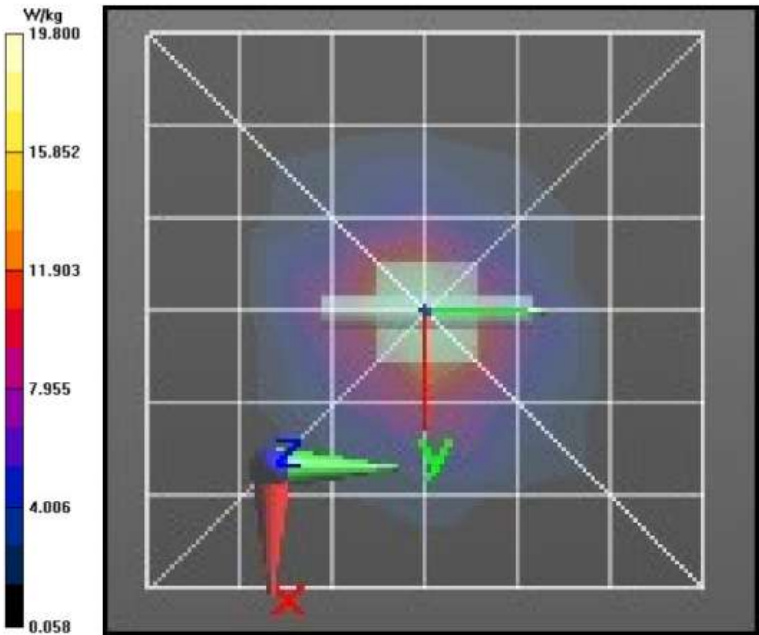
Robot#: DASY5-PG-3 | Run#: MA(DAN)-SYSP-5250H-220404-01
Dipole Model# D5GHzV2
Phantom#: EL14 1108
Tissue Temp: 20.5(C)
Serial#: 1022
Test Freq: 5250.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.16dB
Adjusted SAR (1W): 79.50mW/g (1g)

Comments:
Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: $f = 5250$ MHz; $\sigma = 4.27$ S/m; $\epsilon_r = 32.8$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5250 MHz, ConvF(5.4, 5.4, 5.4) @ 5250 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:
dx=0.9000 mm, dy=0.9000 mm
Reference Value = 75.30 V/m; Power Drift = 0.19 dB
Fast SAR: SAR(1 g) = 7.64 W/kg; SAR(10 g) = 2.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 20.2 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement
grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 75.30 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.26 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 56%
Maximum value of SAR (measured) = 18.9 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 22.8 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/6/2022 5:04:56 PM

Robot#: DASY5-PG-3 | Run#: BAD-SYSP-5250H-220406-07
Dipole Model# D5GHzV2
Phantom#: EL14 1108
Tissue Temp: 20.5 (C)
Serial#: 1026
Test Freq: 5250.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.18 dB
Adjusted SAR (1W): 75.90 mW/g (1g)

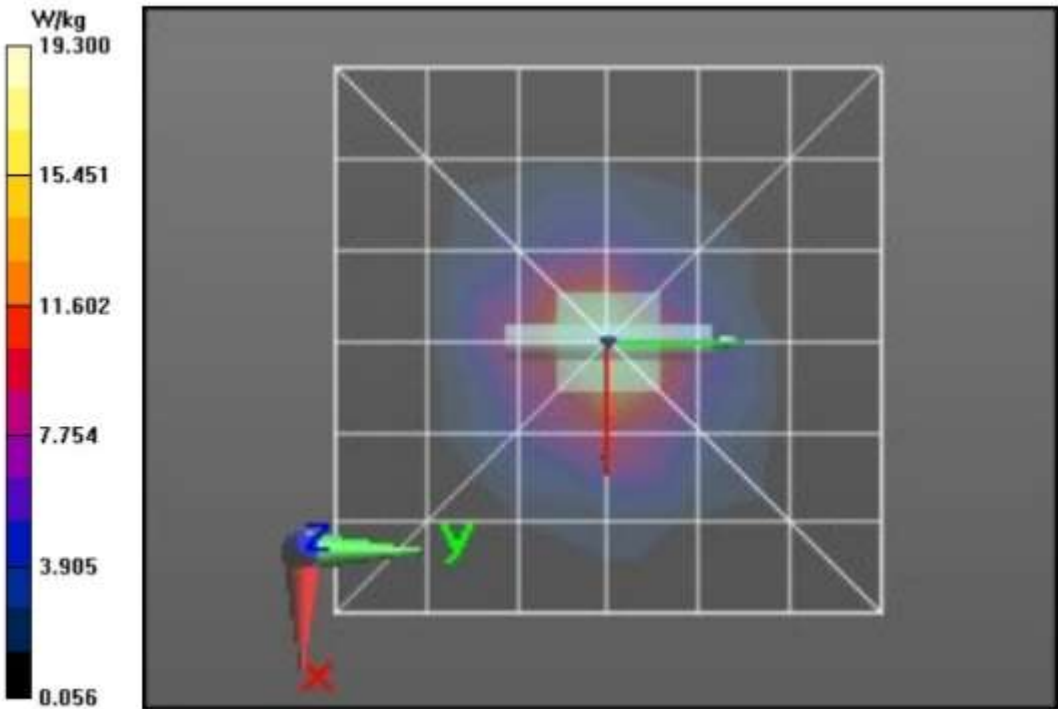
Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: $f = 5250$ MHz; $\sigma = 4.49$ S/m; $\epsilon_r = 33.2$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5250 MHz, ConvF(5.4, 5.4, 5.4) @ 5250 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:
dx=0.9000 mm, dy=0.9000 mm
Reference Value = 74.38 V/m; Power Drift = -0.07 dB
Fast SAR: SAR(1 g) = 7.56 W/kg; SAR(10 g) = 2.09 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 19.9 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement
grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 74.38 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 30.3 W/kg
SAR(1 g) = 7.59 W/kg; SAR(10 g) = 2.16 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 55.9%
Maximum value of SAR (measured) = 17.8 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 21.1 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/4/2022 8:14:01 PM

Robot#: DASY5-PG-3 | Run#: MA(DAN)-SYSP-5250H-220404-01
 Dipole Model#: D5GHzV2
 Phantom#: ELI4 1108
 Tissue Temp: 20.5(C)
 Serial#: 1022
 Test Freq: 5250.0000 (MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.16dB
 Adjusted SAR (1W): 79.50mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.27$ S/m; $\epsilon_r = 32.8$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5250 MHz, ConvF(5.4, 5.4, 5.4) @ 5250 MHz

Electronics: DAE3 Sn374, Calibrated: 4/8/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 75.30 V/m; Power Drift = 0.19 dB

Fast SAR: SAR(1 g) = 7.64 W/kg; SAR(10 g) = 2.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.2 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 75.30 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 31.9 W/kg

SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.26 W/kg (SAR corrected for target medium)

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

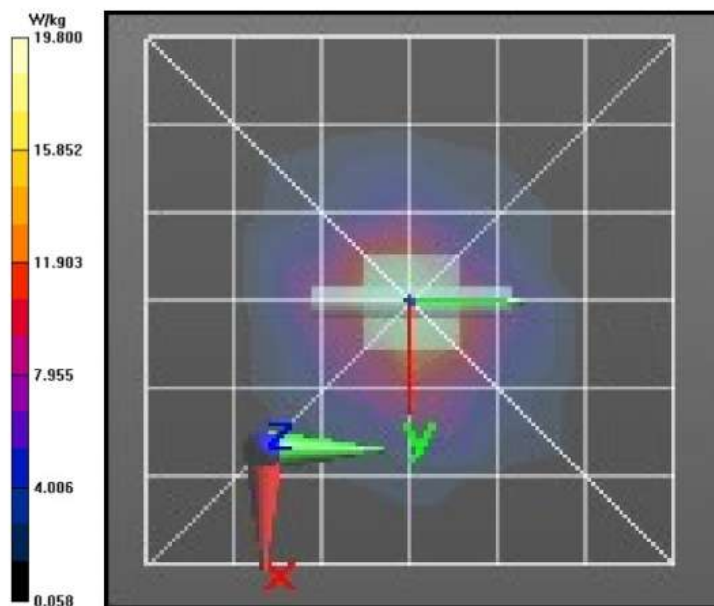
Ratio of SAR at M2 to SAR at M1 = 56%

Maximum value of SAR (measured) = 18.9 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 22.8 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/7/2022 12:51:05 AM

Robot#: DASY5-PG-3 | Run#: SAN(IRA)-SYSP-5600H-220407-01#

Dipole Model#: D5GHzV2

Phantom#: ELI4 1108

Tissue Temp: 22.8 (C)

Serial#: 1026

Test Freq: 5600.0000 (MHz)

Start Power: 100 (mW)

Rotation (1D): 0.150dB

Adjusted SAR (1W): 74.80 mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 5600$ MHz; $\sigma = 4.86$ S/m; $\epsilon_r = 32.6$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5600 MHz, ConvF(4.82, 4.82, 4.82) @ 5600 MHz

Electronics: DAE3 Sn374, Calibrated: 4/8/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 70.55 V/m; Power Drift = -0.05 dB

Fast SAR: SAR(1 g) = 7.13 W/kg; SAR(10 g) = 1.94 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 19.6 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 70.55 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 32.5 W/kg

SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.1 W/kg (SAR corrected for target medium)

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

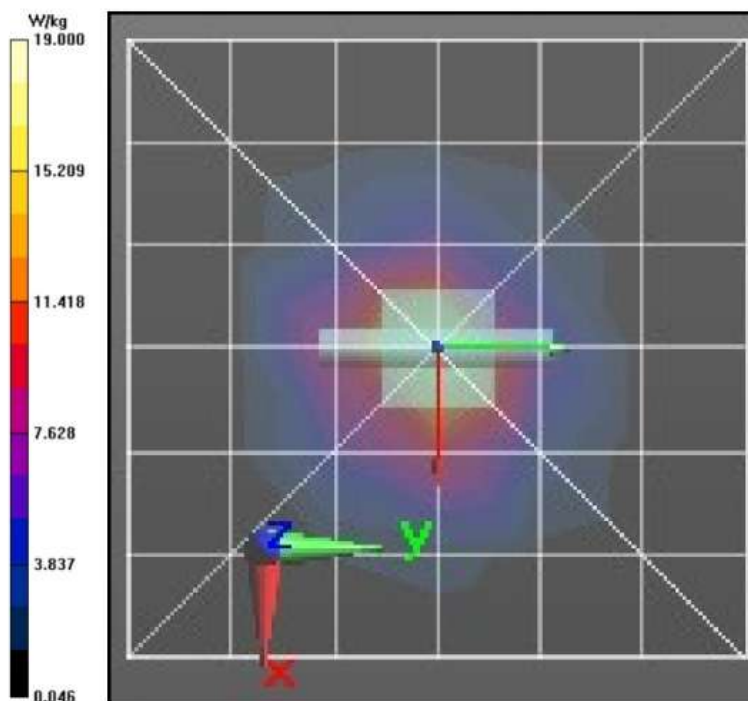
Ratio of SAR at M2 to SAR at M1 = 52.7%

Maximum value of SAR (measured) = 18.2 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 20.8 W/kg



Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/5/2022 7:35:35 AM

Robot#: DASY5-PG-3 | Run#: BAD-SYSP-5600H-220405-02#
Dipole Model# D5GHzV2
Phantom#: ELI4 1108
Tissue Temp: 20.5 (C)
Serial#: 1022
Test Freq: 5250.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.22 dB
Adjusted SAR (1W): 76.00 mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: $f = 5600$ MHz; $\sigma = 4.62$ S/m; $\epsilon_r = 32.3$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5600 MHz, ConvF(4.82, 4.82, 4.82) @ 5600 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

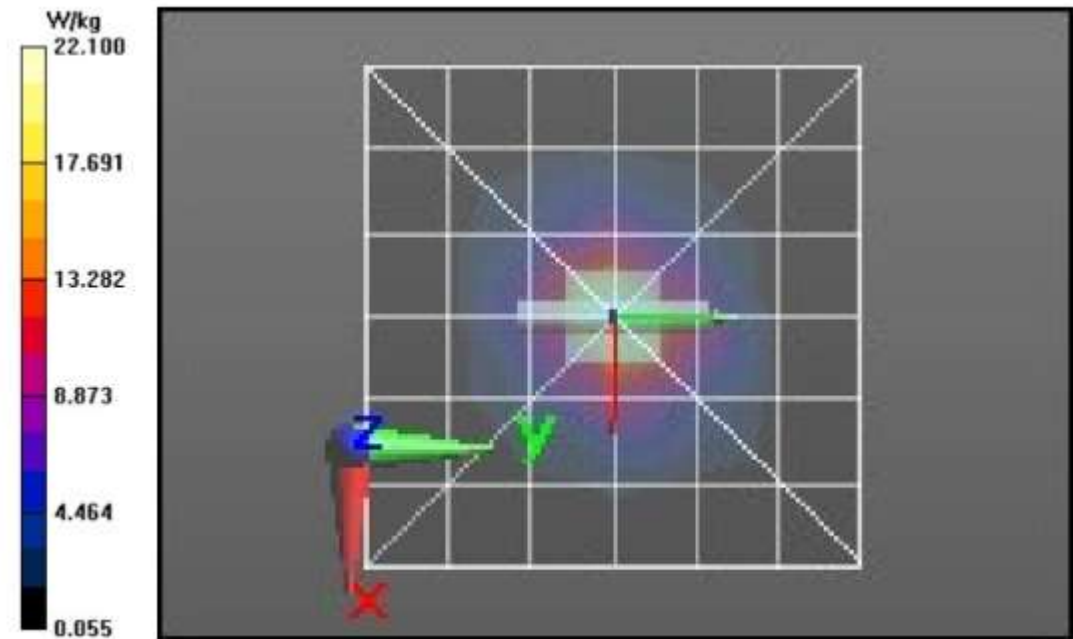
dx=0.9000 mm, dy=0.9000 mm
Reference Value = 74.87 V/m; Power Drift = -0.12 dB
Fast SAR: SAR(1 g) = 8.02 W/kg; SAR(10 g) = 2.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 22.2 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 74.87 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 33.7 W/kg
SAR(1 g) = 7.6 W/kg; SAR(10 g) = 2.15 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 52.1%
Maximum value of SAR (measured) = 19.0 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 22.0 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/7/2022 8:06:33 PM

Robot#: DASY5-PG-3 | Run#: SAN(IRA)-SYSP-5750H-220407-08
 Phantom#: ELI4 1108
 Tissue Temp: 21.6 (C)
 Serial#: 1026
 Test Freq: 5750.0000 (MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.250 dB
 Adjusted SAR (1W): 75.70 mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 5750$ MHz; $\sigma = 4.91$ S/m; $\epsilon_r = 32.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5750 MHz, ConvF(4.89, 4.89, 4.89) @ 5750 MHz
 Electronics: DAE3 Sn374, Calibrated: 4/8/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 71.00 V/m; Power Drift = 0.05 dB

Fast SAR: SAR(1 g) = 7.15 W/kg; SAR(10 g) = 1.96 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.0 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 71.00 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 34.2 W/kg

SAR(1 g) = 7.57 W/kg; SAR(10 g) = 2.14 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.5 mm

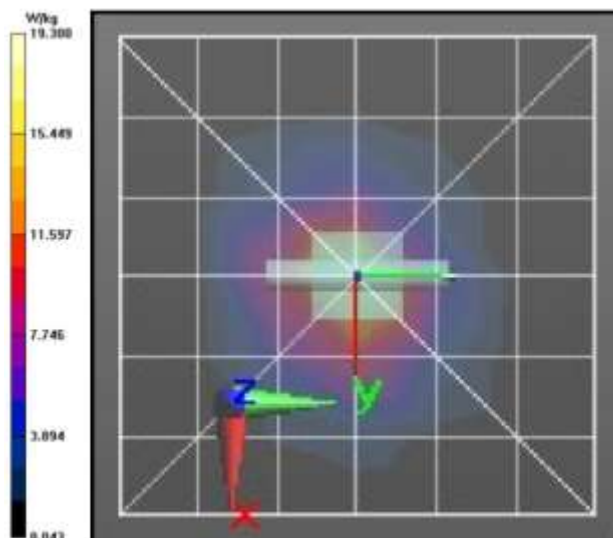
Ratio of SAR at M2 to SAR at M1 = 51.6%

Maximum value of SAR (measured) = 19.0 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/8/2022 3:25:23 PM

Robot#: DASY5-PG-3 | Run#: BAD-SYSP-5750H-220408-05
 Phantom#: ELI4 1108
 Tissue Temp: 21.3 (C)
 Serial#: 1026
 Test Freq: 5750.0000 (MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.19 dB
 Adjusted SAR (1W): 76.80 mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 5750$ MHz; $\sigma = 4.96$ S/m; $\epsilon_r = 32.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5750 MHz, ConvF(4.89, 4.89, 4.89) @ 5750 MHz
 Electronics: DAE3 Sn374, Calibrated: 4/8/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 71.50 V/m; Power Drift = -0.15 dB

Fast SAR: SAR(1 g) = 7.42 W/kg; SAR(10 g) = 2.03 W/kg (SAR corrected for target medium)

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

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 71.50 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 35.3 W/kg

SAR(1 g) = 7.68 W/kg; SAR(10 g) = 2.17 W/kg (SAR corrected for target medium)

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

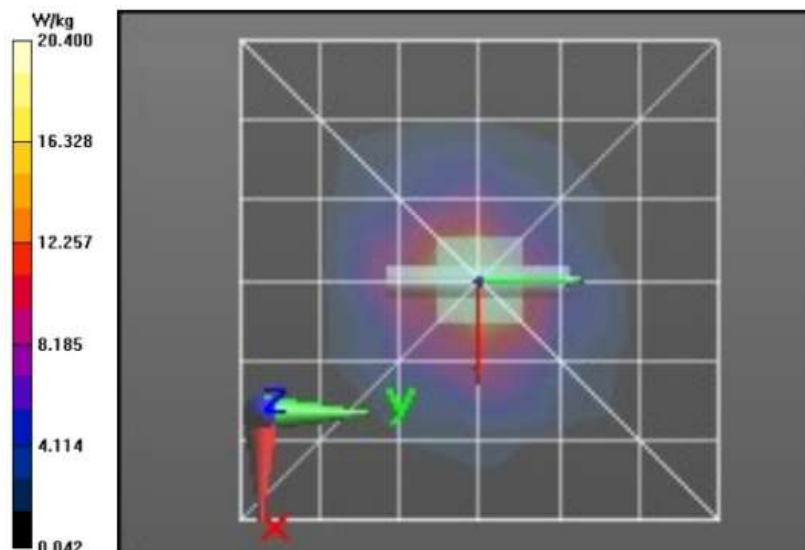
Ratio of SAR at M2 to SAR at M1 = 50.8%

Maximum value of SAR (measured) = 18.8 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

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



Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/9/2022 6:57:08 PM

Robot#: DASY5-PG-3 | Run#: SAN(IRA)-SYSP-5750H-220409-07
 Phantom#: ELI4 1108
 Tissue Temp: 21.5(C)
 Serial#: 1026
 Test Freq: 5750.0000 (MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.230 dB
 Adjusted SAR (1W): 75.90 mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 5750$ MHz; $\sigma = 4.76$ S/m; $\epsilon_r = 31.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5750 MHz, ConvF(4.89, 4.89, 4.89) @ 5750 MHz
 Electronics: DAE3 Sn374, Calibrated: 4/8/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 72.05 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 7.18 W/kg; SAR(10 g) = 1.96 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 20.2 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 72.05 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 34.3 W/kg

SAR(1 g) = 7.59 W/kg; SAR(10 g) = 2.15 W/kg (SAR corrected for target medium)

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

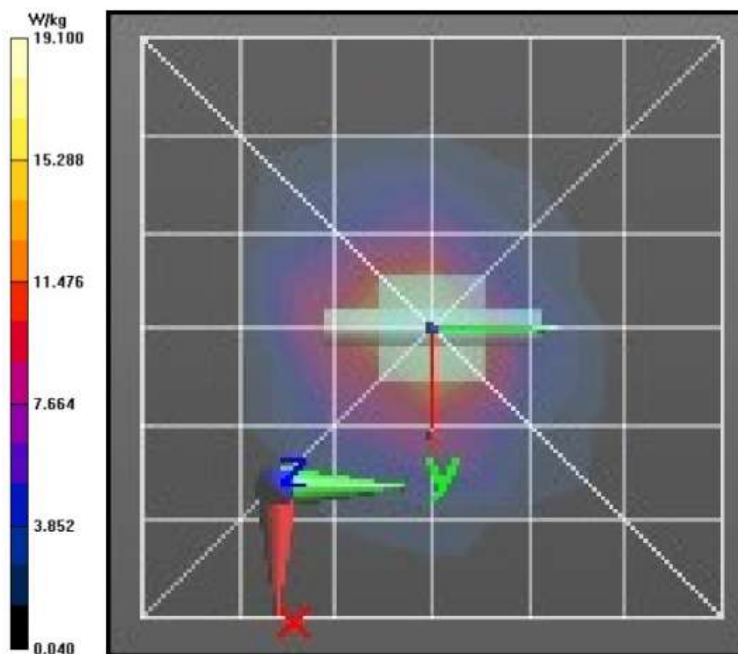
Ratio of SAR at M2 to SAR at M1 = 50.9%

Maximum value of SAR (measured) = 18.5 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

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



Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/12/2022 3:18:44 AM

Robot#: DASY5-PG-3 | Run#: BAD-SYSP-5750H-220412-03
Phantom#: ELI4 1108
Tissue Temp: 21.2 (C)
Serial#: 1026
Test Freq: 5750.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.13 dB
Adjusted SAR (1W): 76.50 mW/g (1g)

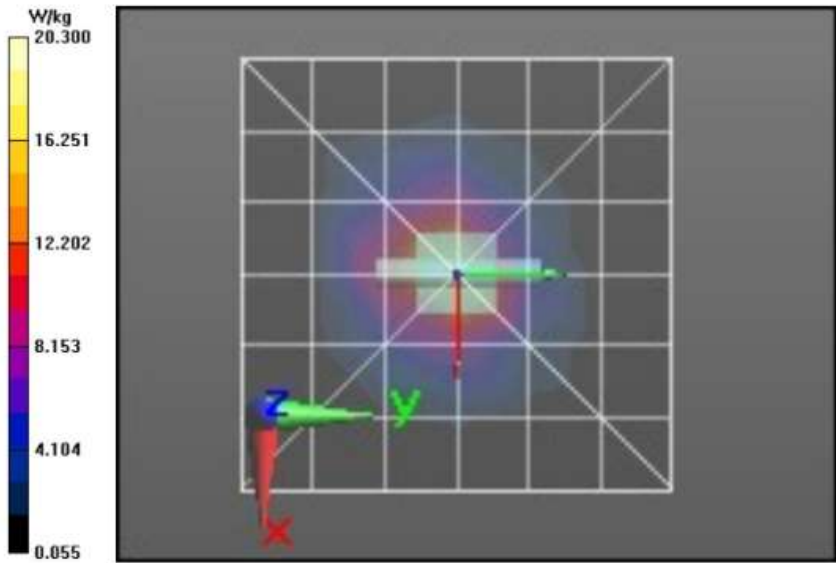
Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 5750 MHz; σ = 4.8 S/m; ϵ_r = 31.9; ρ = 1000 kg/m³
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5750 MHz, ConvF(4.89, 4.89, 4.89) @ 5750 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:
dx=0.9000 mm, dy=0.9000 mm
Reference Value = 73.09 V/m; Power Drift = -0.10 dB
Fast SAR: SAR(1 g) = 7.45 W/kg; SAR(10 g) = 2.02 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 21.1 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement
grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 73.09 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 34.6 W/kg
SAR(1 g) = 7.65 W/kg; SAR(10 g) = 2.15 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 51.4%
Maximum value of SAR (measured) = 19.3 W/kg

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 20.8 W/kg



Motorola Solutions, EME Laboratory

2022-04-10, 00:16

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D750V3 - SN1142	750.0	HSL	23.97	-6.5	-5.1

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		, 0--	750.0, 0	9.52	0.862	41.9

Hardware Setup

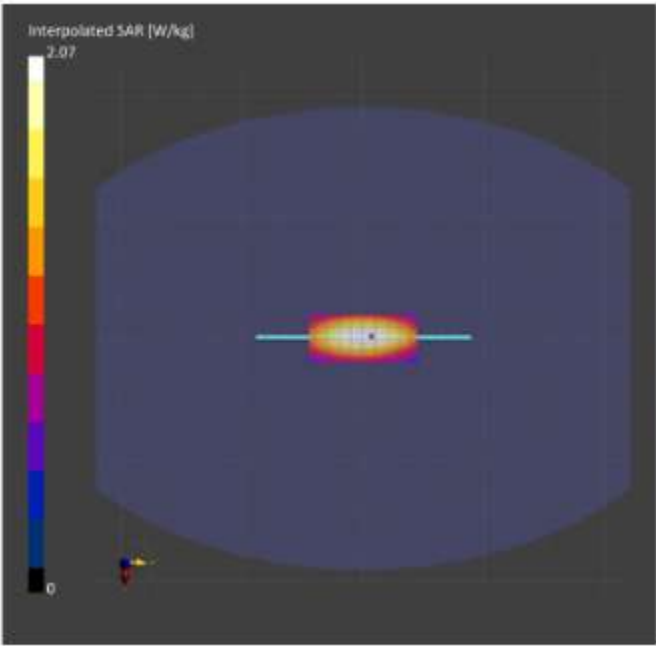
Phantom	TSL Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELJ4 1108	HSL750 , 2022-Apr-10	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-10, 00:16	2022-04-10, 00:22
psSAR1g [W/Kg]	1.84	1.99
psSAR10g [W/Kg]	1.22	1.32
Power Drift [dB]	0.07	0.04
TSL Correction	Positive / Negative	Positive / Negative



System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D750V3 - SN1142	750.0	HSL	23.98	-5.6	-4.3

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UFD	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		, 0--	750.0, 0	9.52	0.864	40.5

Hardware Setup

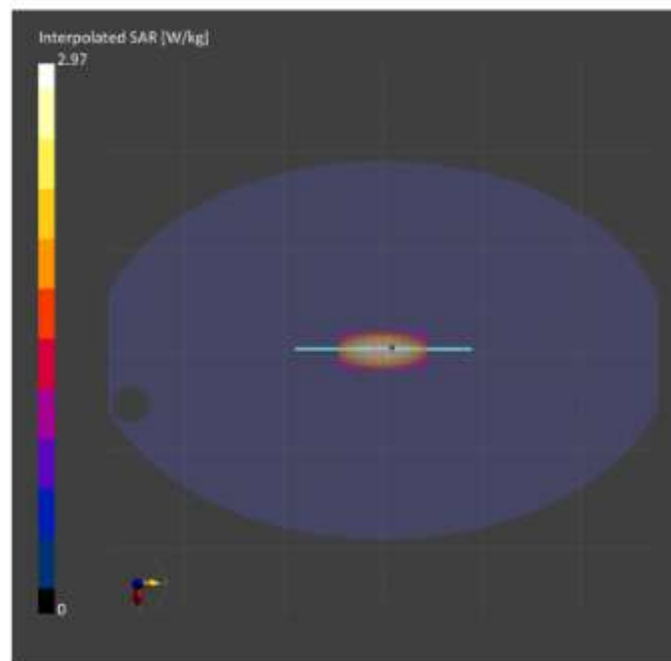
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL750 , 2022-Apr-10	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-10, 07:59	2022-04-10, 08:04
psSAR1g [W/Kg]	2.09	2.01
psSAR10g [W/Kg]	1.39	1.33
Power Drift [dB]	0.01	0.04
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-08, 09:25

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D835V2 - SN4d029	835.0	HSL	23.9794	-2.2	-1.9

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		0--	835.0, 0	9.22	0.871	42.9

Hardware Setup

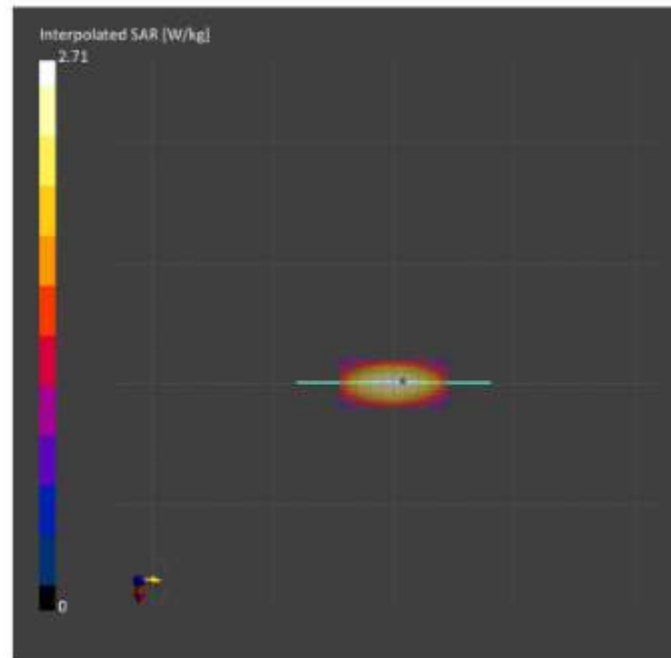
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe sit) - ELI4 1109	HSL835, 2022-Apr-08	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 50.0	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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-08, 09:25	2022-04-08, 09:31
psSAR1g [W/Kg]	2.43	2.37
psSAR10g [W/Kg]	1.59	1.55
Power Drift [dB]	0.04	0.05
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-09, 08:27

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [N]	Dev. 10g [N]
DB35V2 - SN4d029	835.0	HSL	23.98	-4.3	-3.6

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, U/D	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		, 0---	835.0, 0	9.22	0.890	41.7

Hardware Setup

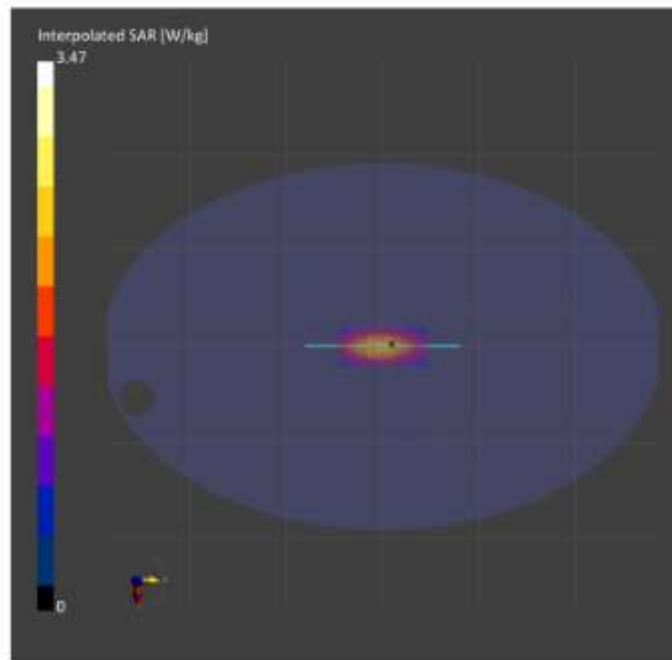
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL835, 2022-Apr-09	EK3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-09, 08:27	2022-04-09, 08:33
psSAR1g [W/Kg]	2.39	2.32
psSAR10g [W/Kg]	1.57	1.52
Power Drift [dB]	0.04	0.03
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-07, 13:26

System Performance Check Report

Summary

Dipole	Frequency (MHz)	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D1800V2 - SN2d119	1800.0	HSL	23.9794	-2.7	-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, HSL	10		, 0--	1800.0, 0	7.85	1.34	40.6

Hardware Setup

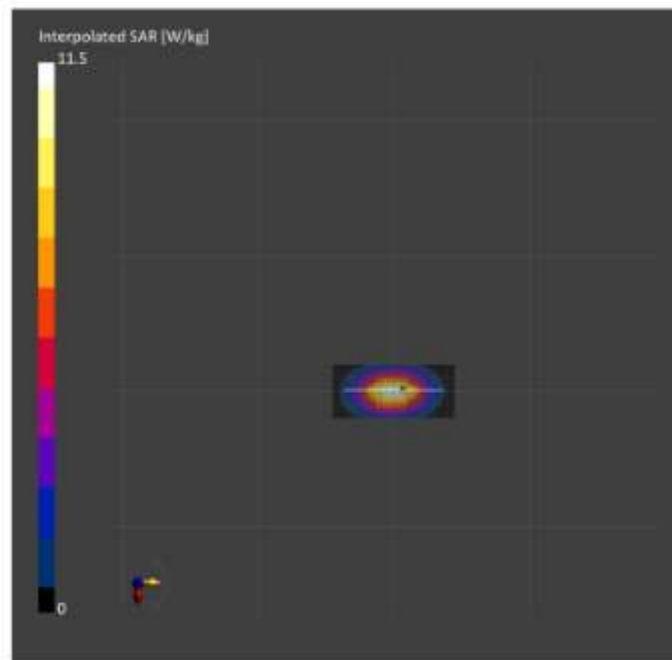
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1108	HSL1800, 2022-Apr-07	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-07, 13:26	2022-04-07, 13:32
psSAR1g [W/Kg]	9.47	9.36
psSAR10g [W/Kg]	4.97	4.98
Power Drift [dB]	0.02	0.01
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-27, 00:46

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D1800V2 - SN2d119	1800.0	HSL	23.98	-6.9	-6.5

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0---	1800.0, 0	7.85	1.33	39.2

Hardware Setup

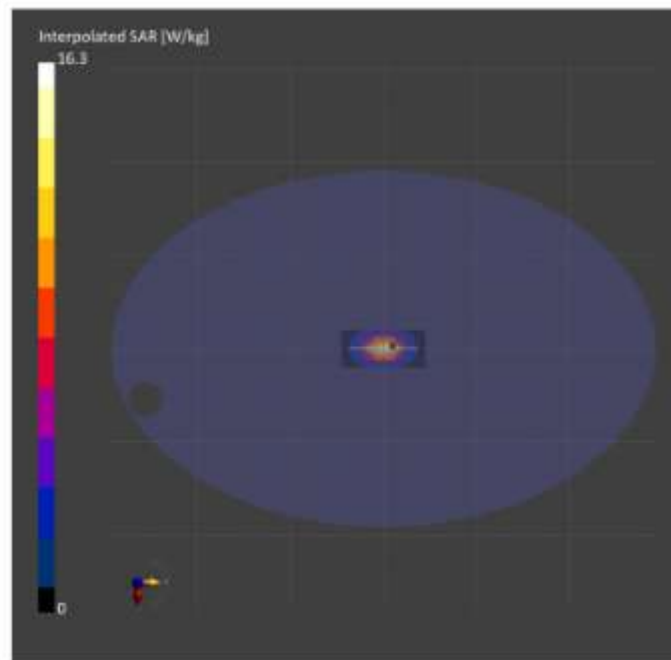
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL1800, 2022-Apr-27	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-27, 00:46	2022-04-27, 00:55
psSAR1g [W/Kg]	9.32	8.96
psSAR10g [W/Kg]	4.86	4.68
Power Drift [dB]	0.02	0.05
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-06, 20:52

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025,, CW, Channel 0 (1900.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions (mm)
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	50.0 x 10.0 x 40.0

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, HSL	-		, 0---	1900.0, 0	7.63	1.36	40.3

Hardware Setup

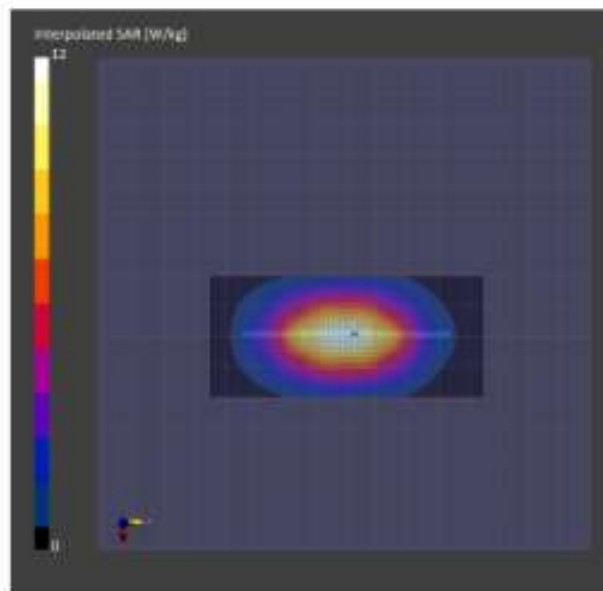
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL1900, 2022-Apr-06	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-06, 20:52	2022-04-06, 20:57
psSAR1g [W/Kg]	9.72	9.48
psSAR10g [W/Kg]	5.02	4.95
Power Drift [dB]	0.02	0.03
TSL Correction	Positive / Negative	Positive / Negative
M2/M1 [%]		83.9
Dist 3dB Peak [mm]		9.6



Motorola Solutions, EME Laboratory

2022-04-18, 13:52

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D1900V2 – SN5d064	1900.0	HSL	23.9794	-2.7	-3.7

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0—	1900.0, 0	7.63	1.36	41.5

Hardware Setup

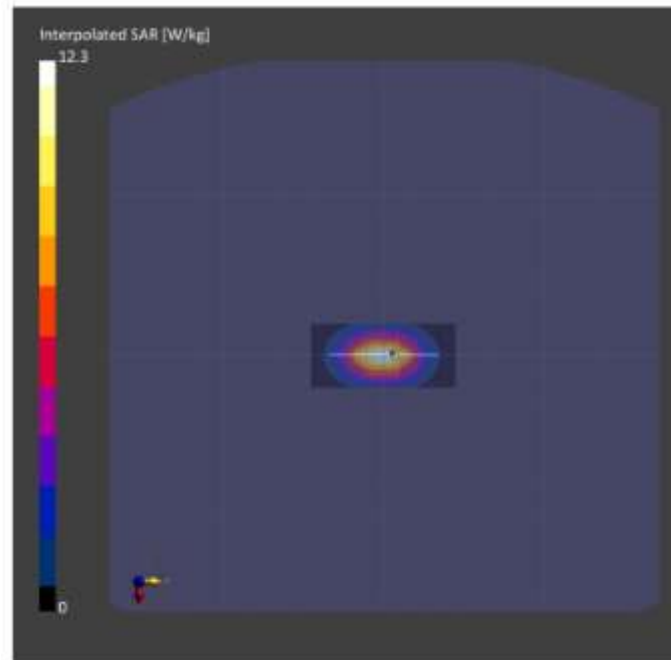
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) – ELI4 1109	HSL1900, 2022-Apr-18	EX3DV4 – SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

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	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-18, 13:52	2022-04-18, 13:57
psSAR1g [W/Kg]	10.0	9.70
psSAR10g [W/Kg]	5.15	4.99
Power Drift [dB]	-0.01	-0.00
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-12, 13:33

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2300V2 - SN1003	2300.0	HSL	23.98	-8.4	-7.5

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0--	2300.0, 0	7.18	1.65	37.9

Hardware Setup

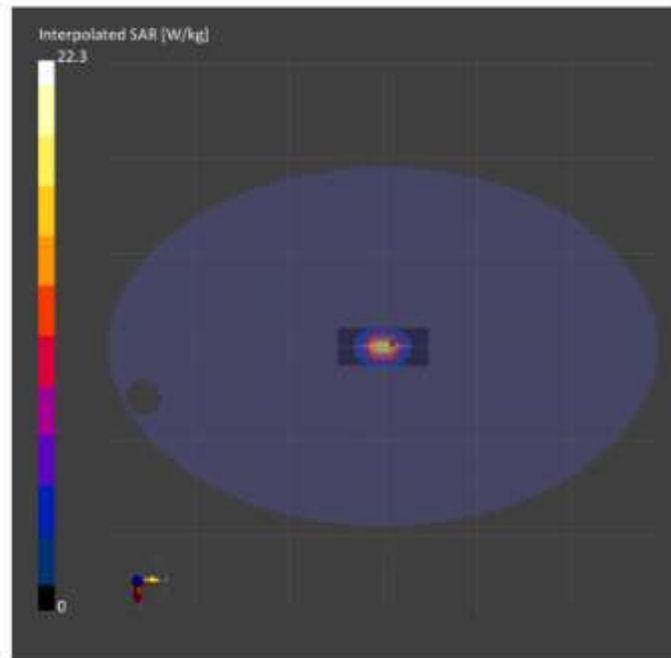
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe kit) - ELJ4 1109	HSL2300, 2022-Apr-12	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-12, 13:33	2022-04-12, 13:41
psSAR1g [W/Kg]	11.2	11.1
psSAR10g [W/Kg]	5.33	5.39
Power Drift [dB]	0.02	-0.01
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-10, 19:07

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2600V2 - SN1011	2600.0	HSL	23.9794	-9.6	-8.2

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		0--	2600.0, 0	6.8	1.89	38.1

Hardware Setup

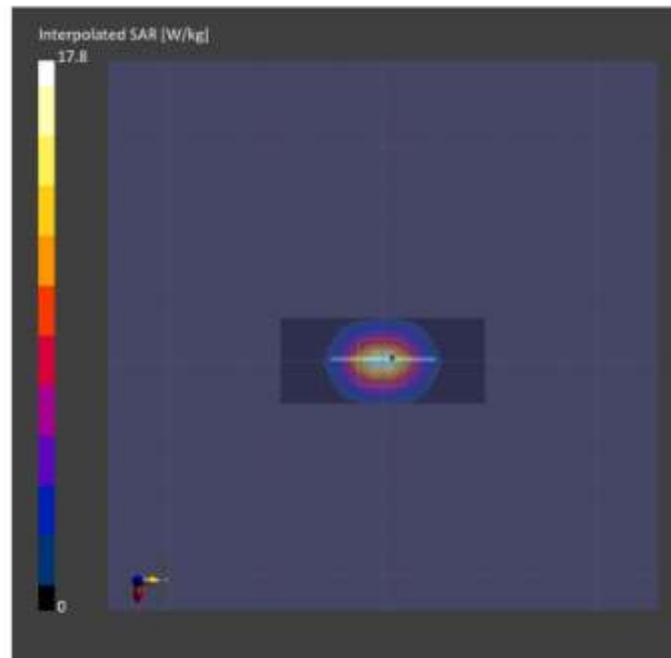
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
EU V4.0 (20deg probe slit) - ELI4 1109	HSL2600, 2022-Apr-10	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 56.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-10, 19:07	2022-04-10, 19:14
psSAR1g [W/Kg]	13.4	13.0
psSAR10g [W/Kg]	5.95	5.85
Power Drift [dB]	-0.02	-0.09
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-11, 20:42

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2600V2 – SN1011	2600.0	HSL	23.9794	2.5	3.2

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0--	2600.0, 0	6.8	1.88	40.1

Hardware Setup

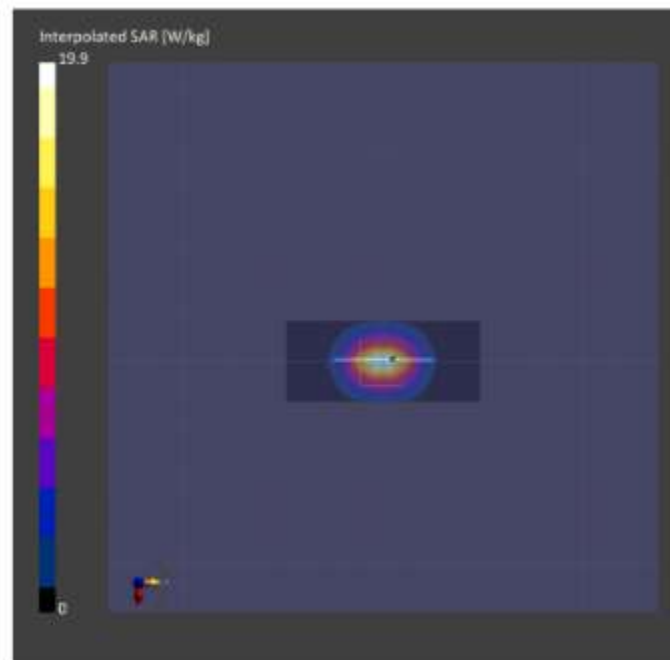
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) – ELI4 1100	HSL2600, 2022-Apr-11	EX3DV4 – SN7511, 2021-06-18	DAE4 Sn720, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-11, 20:42	2022-04-11, 20:50
psSAR1g [W/Kg]	15.2	14.7
psSAR10g [W/Kg]	6.72	6.58
Power Drift [dB]	-0.02	-0.07
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-04-27, 01:11

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D3500V2 - SN1008	3500.0	HSL	20.0	5.1	5.9

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		0---	3500.0, 0	6.47	2.70	40.2

Hardware Setup

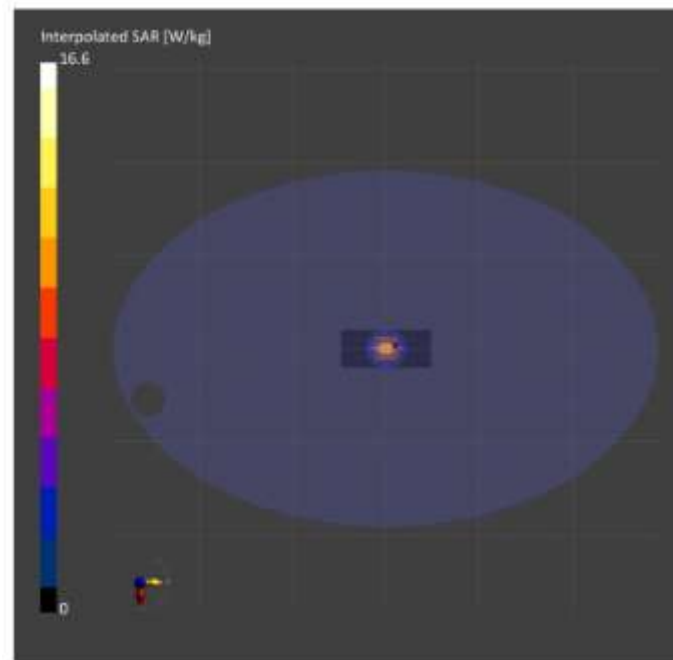
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELM 1109	HSL3500, 2022-Apr-27	DX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-27, 01:11	2022-04-27, 01:27
psSAR1g [W/Kg]	6.94	6.79
psSAR10g [W/Kg]	2.58	2.58
Power Drift [dB]	0.03	0.04
TSL Correction	Positive / Negative	Positive / Negative



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2022-04-15, 03:15

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D3700V2 - SN1028	3700.0	HSL	20.0	4.7	8.7

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, U/D	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0---	3700.0, 0	6.38	2.91	40.8

Hardware Setup

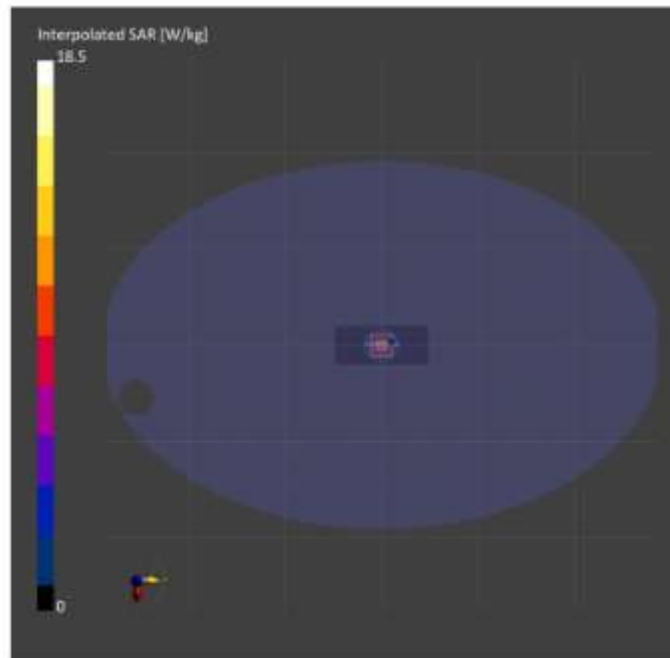
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL3700, 2022-Apr-15	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-15, 03:15	2022-04-15, 03:23
psSAR1g [W/Kg]	7.39	7.43
psSAR10g [W/Kg]	2.60	2.79
Power Drift [dB]	-0.01	0.01
TSL Correction	Positive / Negative	Positive / Negative



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2022-04-13, 22:24

System Performance Check Report

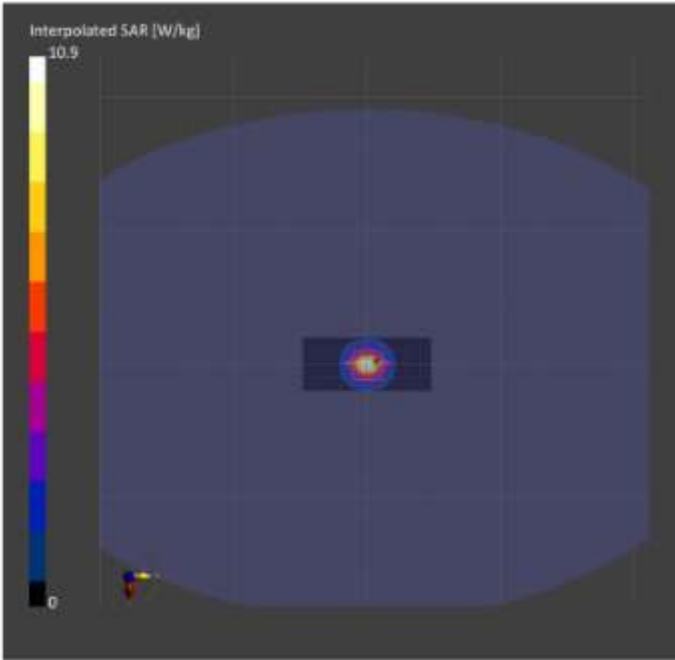
Summary					
Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D3700V2 - SN1028	3700.0	HSL	20.0	6.9	10.5

Exposure Conditions							
Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0--	3700.0, 0	6.38	2.90	38.8

Hardware Setup			
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELH 1109	HSL3700 , 2022-Apr-13	EK3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

	Scans Setup	
	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

	Measurement Results	
	Area Scan	Zoom Scan
Date	2022-04-13, 22:24	2022-04-13, 22:32
psSAR1g [W/Kg]	7.56	7.59
psSAR10g [W/Kg]	2.72	2.84
Power Drift [dB]	0.02	0.00
TSL Correction	Positive / Negative	Positive / Negative



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2022-04-27, 02:11

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D3700V2 - SN1028	3700.0	HSL	20.0	2.5	4.2

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		, 0—	3700.0, 0	6.38	2.68	39.8

Hardware Setup

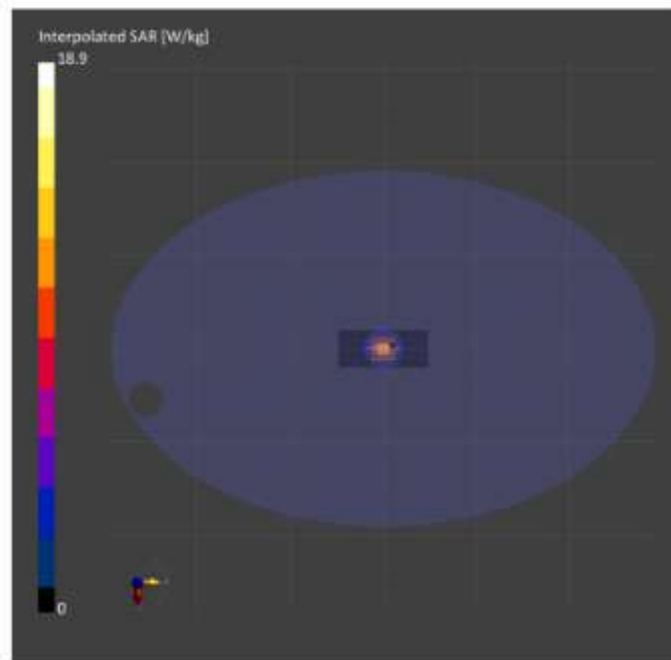
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL3700, 2022-Apr-27	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-27, 02:11	2022-04-27, 02:26
psSAR1g [W/Kg]	7.43	7.28
psSAR10g [W/Kg]	2.67	2.68
Power Drift [dB]	0.02	0.01
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/22/2022 6:46:48 PM

Robot#: DASY5-PG-3 | Run#: BAD-SYSP-3700H-220422-03
Dipole Model#: D3700V2
Phantom#: ELI4 1108
Tissue Temp: 21.8(C)
Serial#: 1028
Test Freq: 3700.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.11 dB
Adjusted SAR (1W): 73.20 mW/g (1g)

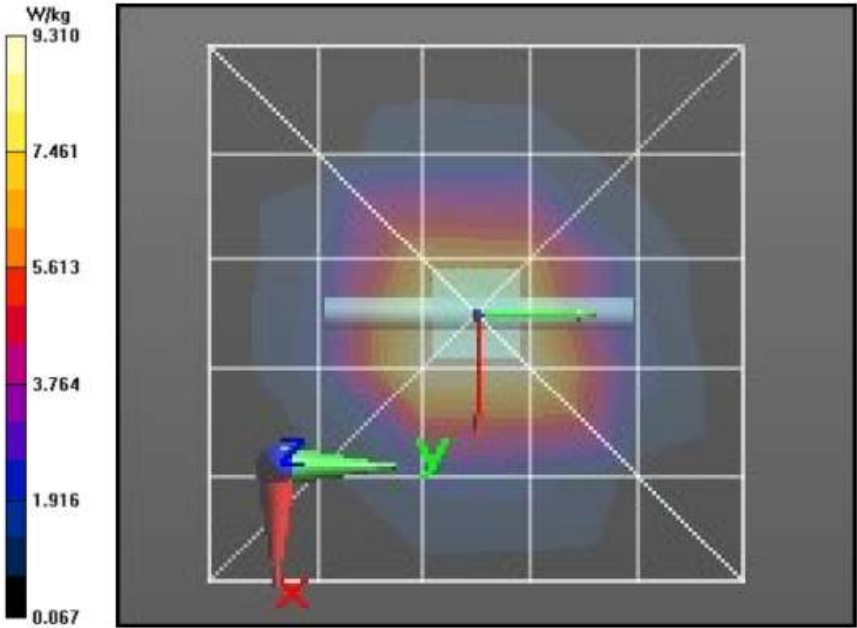
Comments:

Communication System Band: Dipole 3700, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: $f = 3700$ MHz; $\sigma = 2.88$ S/m; $\epsilon_r = 36.8$; $\rho = 1000$ kg/m³
Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 3700 MHz, ConvF(7.01, 7.01, 7.01) @ 3700 MHz
Electronics: DAE3 Sn374, Calibrated: 4/8/2021

3-4 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (51x51x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Reference Value = 73.76 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 7.56 W/kg; SAR(10 g) = 2.65 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 15.3 W/kg

3-4 GHz-Rev.5/System Performance Check/0-Degree Cube (7x7x11)/Cube 0: Measurement
grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 73.76 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 19.3 W/kg
SAR(1 g) = 7.32 W/kg; SAR(10 g) = 2.68 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 54.3%
Maximum value of SAR (measured) = 14.3 W/kg

3-4 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:
dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 14.5 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 5/25/2022 10:10:31 AM

Robot#: DASY5-PG-2 | Run#: AF-SYSP-5600H-220525-08
 Dipole Model#: D5GHzV2
 Phantom#: ELI4 1108
 Tissue Temp: 20.7 (C)
 Serial#: 1026
 Test Freq: 5600.0000(MHz)
 Start Power: 100 (mW)
 Rotation (1D): 0.140 dB
 Adjusted SAR (1W): 84.00 mW/g (1g)

Comments:

Communication System Band: Dipole 5000, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 5600$ MHz; $\sigma = 4.92$ S/m; $\epsilon_r = 33.9$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 5600 MHz, ConvF(4.86, 4.86, 4.86) @ 5600 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

4-6 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (61x61x1): Interpolated grid:

dx=0.9000 mm, dy=0.9000 mm

Reference Value = 74.89 V/m; Power Drift = -0.09 dB

Fast SAR: SAR(1 g) = 8.18 W/kg; SAR(10 g) = 2.23 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 22.4 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement

grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 74.89 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 36.2 W/kg

SAR(1 g) = 8.4 W/kg; SAR(10 g) = 2.39 W/kg (SAR corrected for target medium)

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

Ratio of SAR at M2 to SAR at M1 = 52.4%

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

4-6 GHz-Rev.5/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid:

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

Maximum value of SAR (measured) = 22.3 W/kg

