

Appendix D

System Verification Check Scan

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/30/2022 12:36:29 AM

Robot#: DASY5-PG-1 | Run#: FZ-SYSP-900H-220730-01
Dipole Model# D900V2
Phantom#: EL14 1108
Tissue Temp: 21.3 (C)
Serial#: 1D025
Test Freq: 900.0000 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.039 dB
Adjusted SAR (1W): 11.32 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 900$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022**Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):**

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

Reference Value = 65.70 V/m; Power Drift = 0.01 dB

Fast SAR: SAR(1 g) = 2.95 W/kg; SAR(10 g) = 1.9 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.85 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 = 65.70 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.43 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 = 17.5 mm

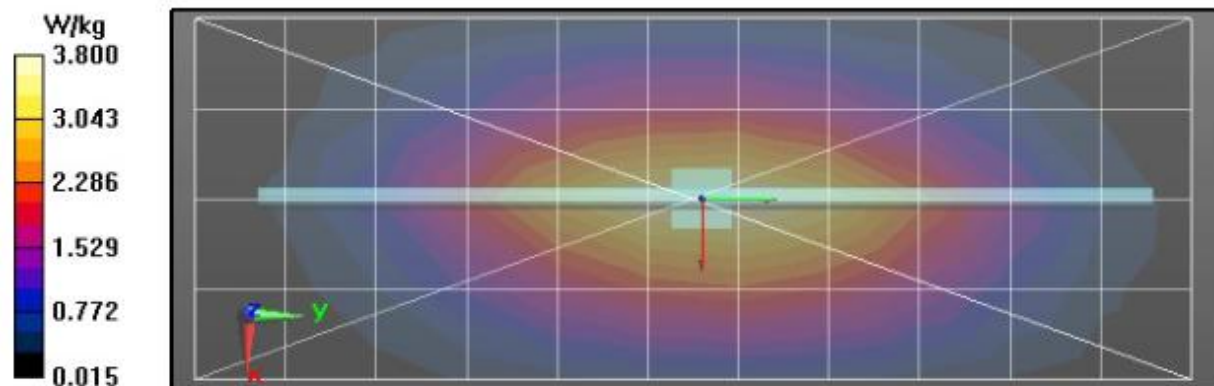
Ratio of SAR at M2 to SAR at M1 = 63.7%

Maximum value of SAR (measured) = 3.88 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) = 3.89 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/31/2022 1:35:19 AM

Robot#: DASY5-PG-1 | Run#: FZ-SYSP-900H-220731-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1108
 Tissue Temp: 20.6 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.033 dB
 Adjusted SAR (1W): 10.44 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

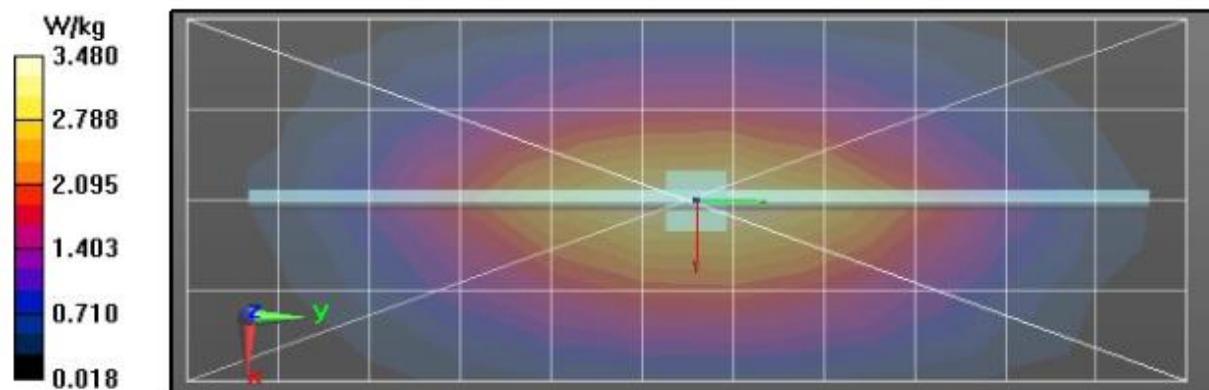
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 64.24 V/m; Power Drift = -0.16 dB
Fast SAR: SAR(1 g) = 2.75 W/kg; SAR(10 g) = 1.77 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.53 W/kg

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 = 64.24 V/m; Power Drift = -0.16 dB
 Peak SAR (extrapolated) = 4.00 W/kg
SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.67 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 = 63.9%
 Maximum value of SAR (measured) = 3.51 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) = 3.48 W/kg



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Date/Time: 8/1/2022 2:35:08 AM

Robot#: DASY5-PG-1 | Run#: MFR(AMF)-SYSP-900H-220801-03
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.5 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.037 dB
 Adjusted SAR (1W): 11.52 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

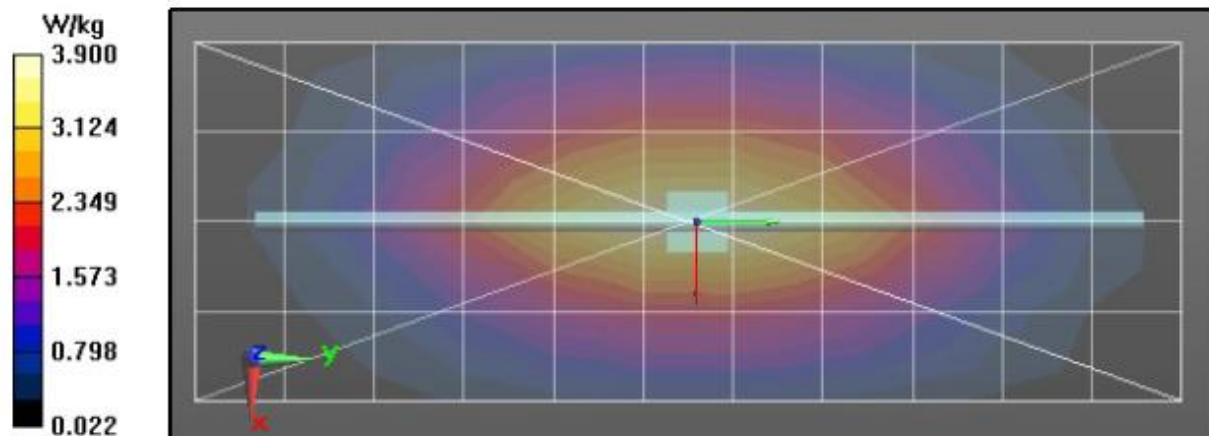
Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 66.11 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 3.01 W/kg; SAR(10 g) = 1.96 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.98 W/kg

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 = 66.11 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 4.59 W/kg
SAR(1 g) = 2.88 W/kg; SAR(10 g) = 1.85 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 21.2 mm
 Ratio of SAR at M2 to SAR at M1 = 63.5%
 Maximum value of SAR (measured) = 4.01 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) = 4.01 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/3/2022 2:29:28 AM

Robot#: DASY5-PG-1 | Run#: MFR(AMF)-SYSP-900H-220803-04
 Dipole Model# D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.5 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.034 dB
 Adjusted SAR (1W): 10.92 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

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

Reference Value = 67.89 V/m; Power Drift = -0.19 dB

Fast SAR: SAR(1 g) = 3.02 W/kg; SAR(10 g) = 1.96 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.05 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 = 67.89 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 4.34 W/kg

SAR(1 g) = 2.73 W/kg; SAR(10 g) = 1.76 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 21.2 mm

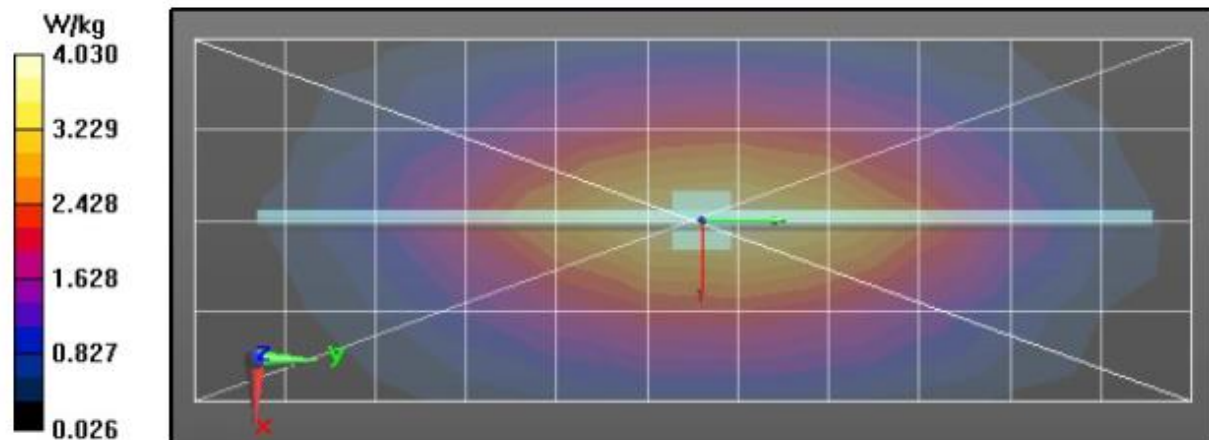
Ratio of SAR at M2 to SAR at M1 = 64.3%

Maximum value of SAR (measured) = 3.81 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) = 4.09 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/4/2022 2:51:34 AM

Robot#: DASY5-PG-1 | Run#: MFR(AMF)-SYSP-900H-220804-04
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.4 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.064 dB
 Adjusted SAR (1W): 11.48 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

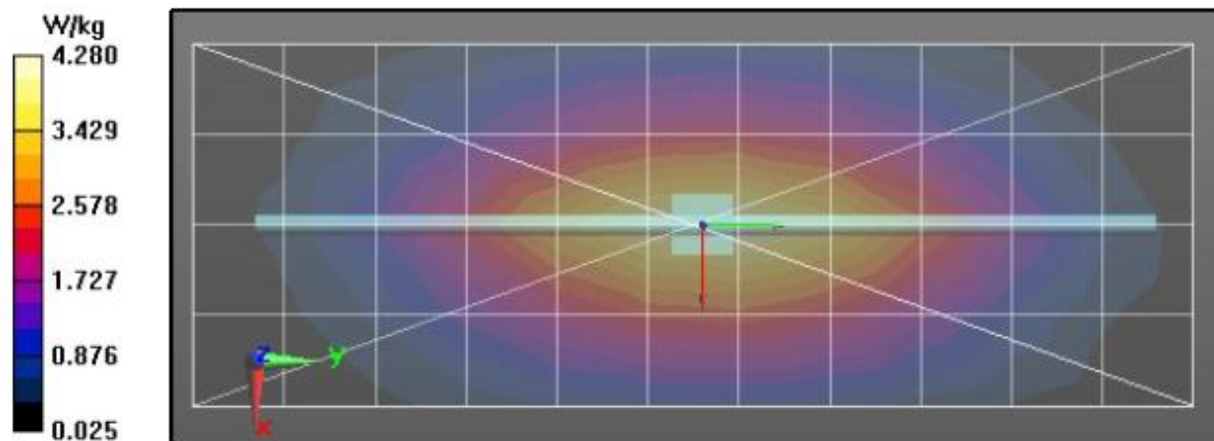
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 68.78 V/m; Power Drift = -0.10 dB
Fast SAR: SAR(1 g) = 3.21 W/kg; SAR(10 g) = 2.08 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.31 W/kg

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 = 68.78 V/m; Power Drift = -0.10 dB
 Peak SAR (extrapolated) = 4.58 W/kg
SAR(1 g) = 2.87 W/kg; SAR(10 g) = 1.85 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 = 64.1%
 Maximum value of SAR (measured) = 4.03 W/kg

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

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 4.30 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/5/2022 4:25:27 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-900H-220805-05
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 20.2 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.044 dB
 Adjusted SAR (1W): 11.36 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 900$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz

Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

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

Reference Value = 65.65 V/m; Power Drift = -0.05 dB

Fast SAR: SAR(1 g) = 2.97 W/kg; SAR(10 g) = 1.93 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.02 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 = 65.65 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 4.61 W/kg

SAR(1 g) = 2.84 W/kg; SAR(10 g) = 1.83 W/kg (SAR corrected for target medium)

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

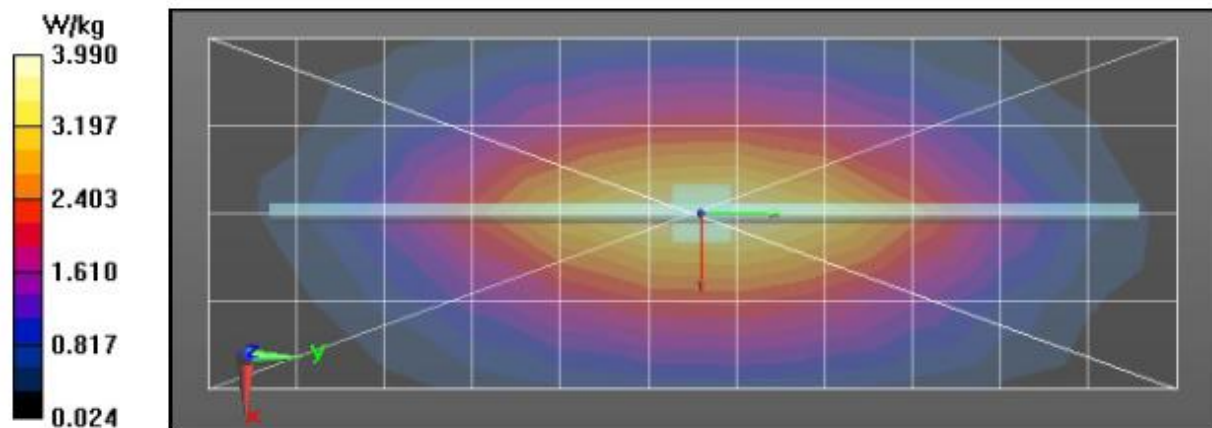
Ratio of SAR at M2 to SAR at M1 = 63.5%

Maximum value of SAR (measured) = 4.04 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) = 4.04 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/6/2022 4:08:34 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-900H-220806-06
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.3 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.053 dB
 Adjusted SAR (1W): 11.16 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

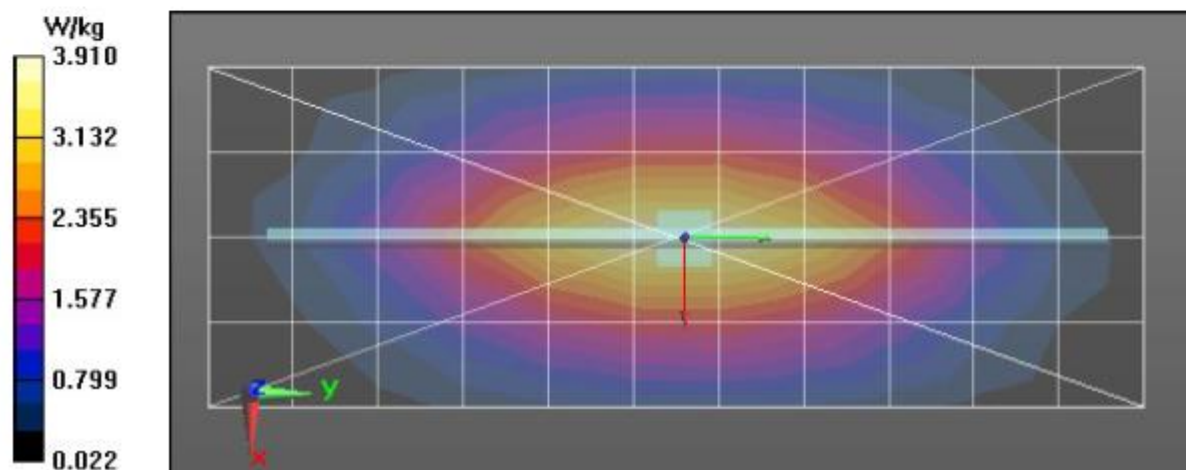
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
 Reference Value = 65.18 V/m; Power Drift = -0.03 dB
Fast SAR: SAR(1 g) = 2.93 W/kg; SAR(10 g) = 1.91 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.97 W/kg

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 = 65.18 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 4.55 W/kg
SAR(1 g) = 2.79 W/kg; SAR(10 g) = 1.8 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 = 63.5%
 Maximum value of SAR (measured) = 3.99 W/kg

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

grid: $dx=20$ mm, $dy=20$ mm, $dz=10$ mm
 Maximum value of SAR (measured) = 3.99 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/7/2022 4:18:41 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-900H-220807-07
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.4 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.043 dB
 Adjusted SAR (1W): 11.36 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

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

Reference Value = 65.75 V/m; Power Drift = 0.02 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 = 65.75 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.54 W/kg

SAR(1 g) = 2.84 W/kg; SAR(10 g) = 1.82 W/kg (SAR corrected for target medium)

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

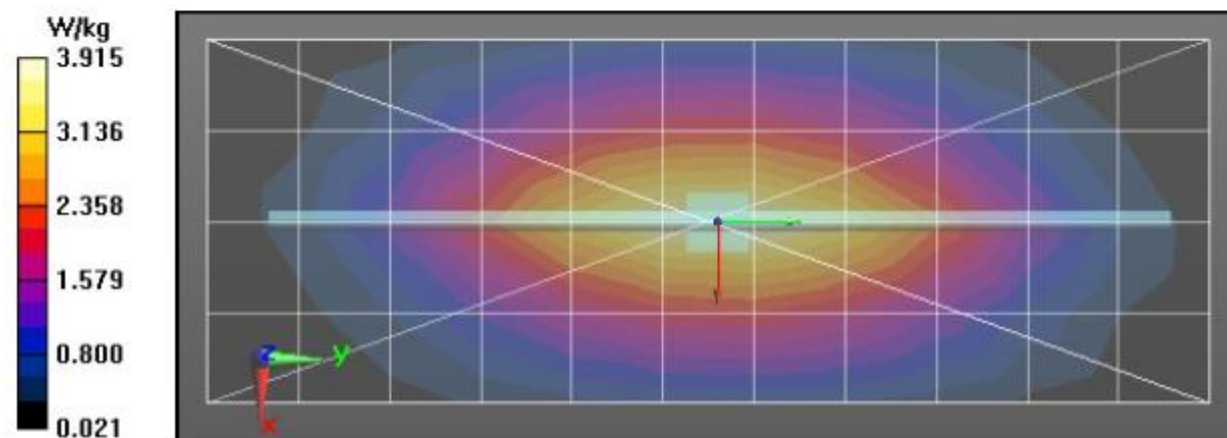
Ratio of SAR at M2 to SAR at M1 = 63.8%

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: 8/8/2022 3:24:59 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-900H-220808-05
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.6 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.045 dB
 Adjusted SAR (1W): 10.80 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 900$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz

Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

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

Reference Value = 64.05 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 2.82 W/kg; SAR(10 g) = 1.84 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.80 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 = 64.05 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.35 W/kg

SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.74 W/kg (SAR corrected for target medium)

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

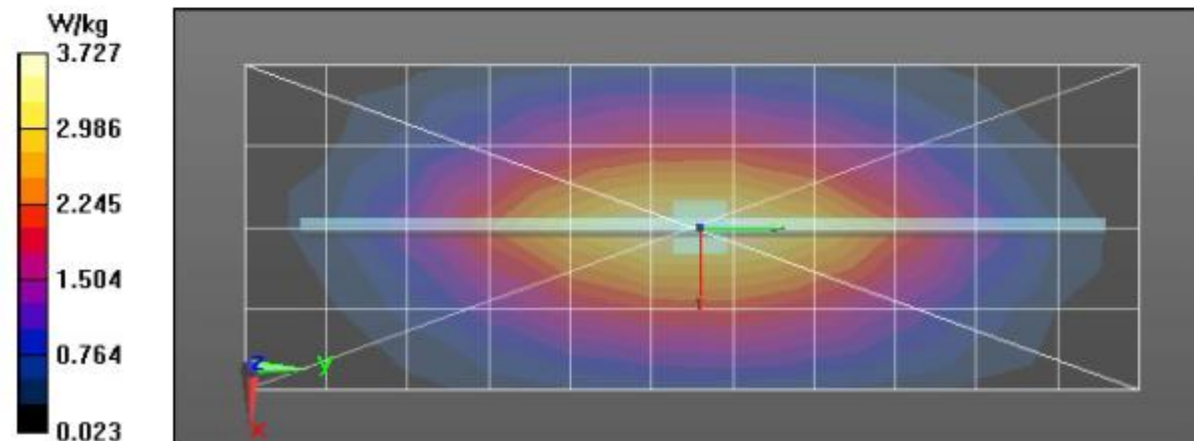
Ratio of SAR at M2 to SAR at M1 = 63.7%

Maximum value of SAR (measured) = 3.81 W/kg

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

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

Maximum value of SAR (measured) = 3.86 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/9/2022 8:54:29 AM

Robot#: DASY5-PG-1 | Run#: MFR(AMF)-SYSP-900H-220809-06
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 21.6 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.035 dB
 Adjusted SAR (1W): 11.56 mW/g (1g)

Comments:

Communication System Band: D900, 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 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

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

Reference Value = 66.53 V/m; Power Drift = -0.00 dB

Fast SAR: SAR(1 g) = 3.03 W/kg; SAR(10 g) = 1.97 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.05 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 = 66.53 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 4.66 W/kg

SAR(1 g) = 2.89 W/kg; SAR(10 g) = 1.86 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 16.2 mm

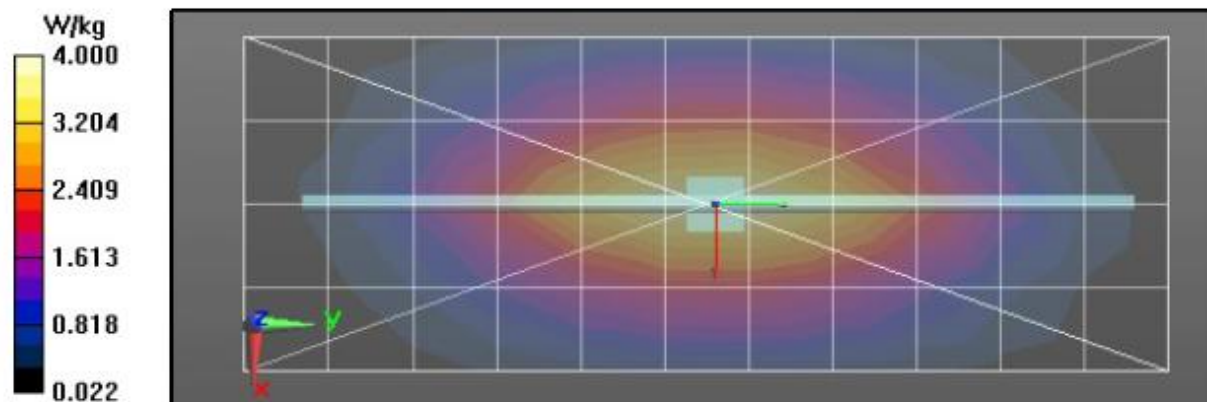
Ratio of SAR at M2 to SAR at M1 = 63.3%

Maximum value of SAR (measured) = 4.08 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) = 4.09 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/12/2022 9:11:34 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-900H-220812-02
 Dipole Model#: D900V2
 Phantom#: ELI4 1028
 Tissue Temp: 22.0 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.038 dB
 Adjusted SAR (1W): 11.00 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

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

Reference Value = 62.35 V/m; Power Drift = 0.17 dB

Fast SAR: SAR(1 g) = 2.78 W/kg; SAR(10 g) = 1.81 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.65 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 62.35 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 2.74 W/kg; SAR(10 g) = 1.77 W/kg (SAR corrected for target medium)

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

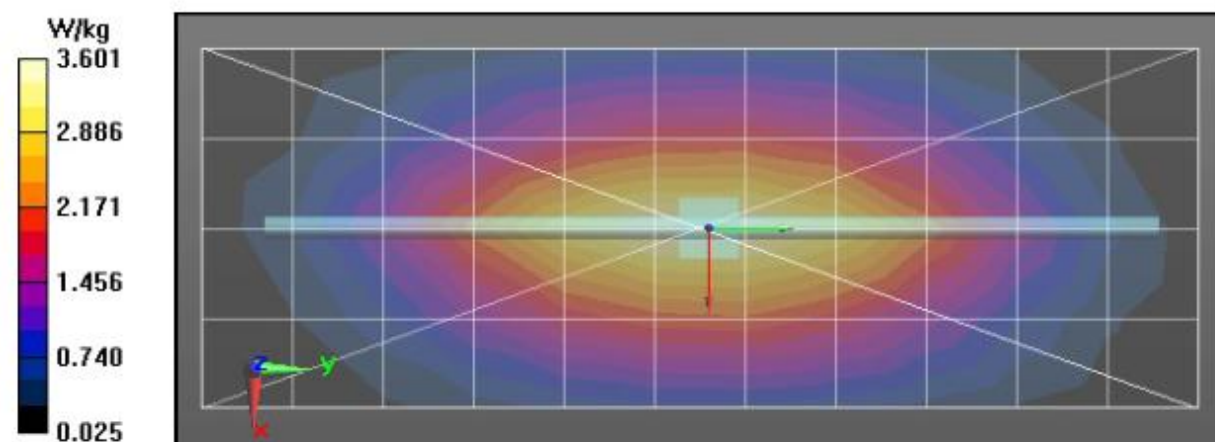
Ratio of SAR at M2 to SAR at M1 = 65%

Maximum value of SAR (measured) = 3.77 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) = 3.48 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/13/2022 10:03:10 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-900H-220813-05
 Dipole Model#: D900V2
 Phantom#: EL14 1028
 Tissue Temp: 21.6 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.043 dB
 Adjusted SAR (1W): 10.72 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 0.98$ S/m; $\epsilon_r = 41$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

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

Reference Value = 63.37 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 2.78 W/kg; SAR(10 g) = 1.81 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.65 W/kg

Below 2 GHz-Rev.3/System Performance Check/0-Degree Cube (6x6x7)/Cube 0:

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

Reference Value = 63.37 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 4.20 W/kg

SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.72 W/kg (SAR corrected for target medium)

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

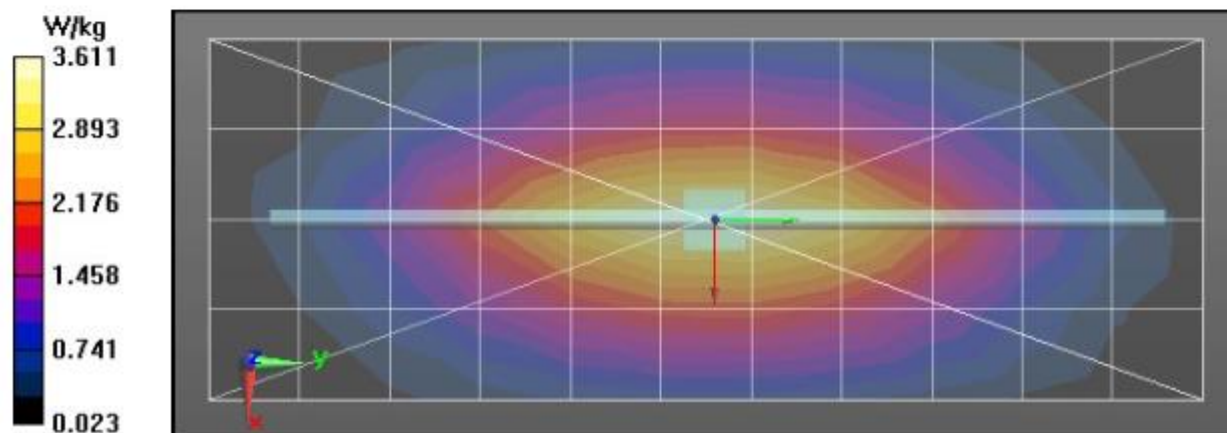
Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 3.70 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, Inc. EME Laboratory

Date/Time: 8/20/2022 12:33:22 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-900H-220820-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1108
 Tissue Temp: 20.1 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.035 dB
 Adjusted SAR (1W): 10.76 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 43.2$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

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

Reference Value = 63.46 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 2.79 W/kg; SAR(10 g) = 1.79 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.49 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 = 63.46 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.99 W/kg

SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.72 W/kg (SAR corrected for target medium)

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

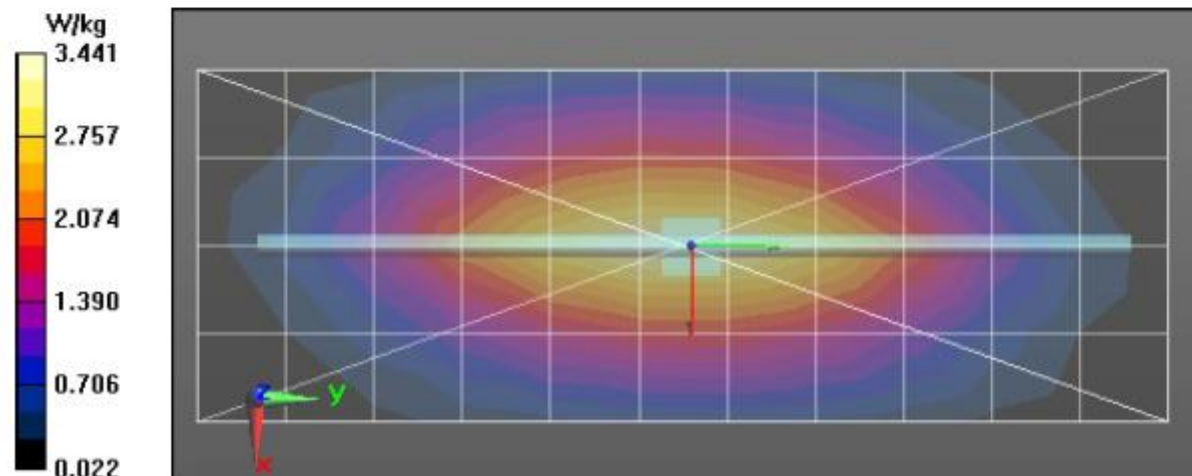
Ratio of SAR at M2 to SAR at M1 = 64.4%

Maximum value of SAR (measured) = 3.51 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) = 3.51 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/21/2022 5:35:35 AM

Robot#: DASY5-PG-1 | Run#: FZ-SYSP-900H-220821-05
 Dipole Model# D900V2
 Phantom#: ELI4 1108
 Tissue Temp: 20.1 (C)
 Serial#: 1D025
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.034 dB
 Adjusted SAR (1W): 11.48 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 900$ MHz; $\sigma = 0.97$ S/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz

Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

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

Reference Value = 67.45 V/m; Power Drift = -0.18 dB

Fast SAR: SAR(1 g) = 3.04 W/kg; SAR(10 g) = 1.96 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 = 67.45 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 4.40 W/kg

SAR(1 g) = 2.87 W/kg; SAR(10 g) = 1.85 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 16.2 mm

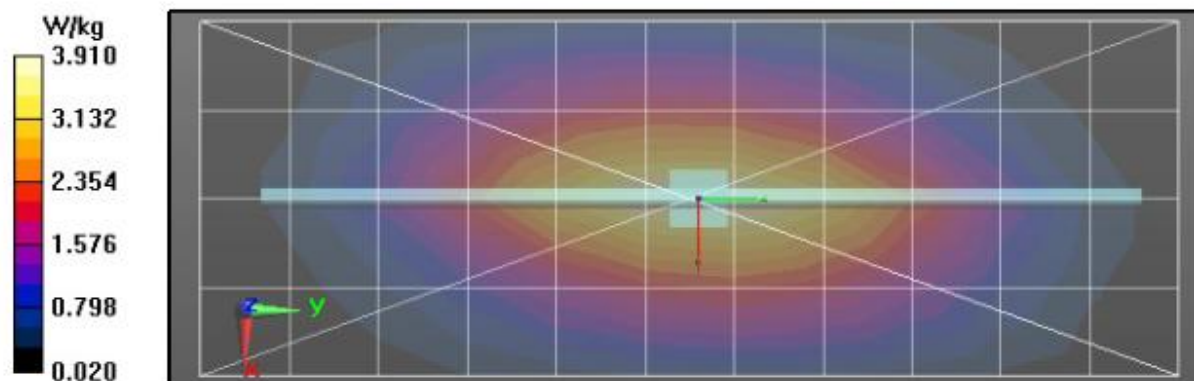
Ratio of SAR at M2 to SAR at M1 = 65%

Maximum value of SAR (measured) = 3.89 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) = 3.98 W/kg



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2022-08-02, 13:25

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2450V2 - SN781	2450.0	HSL	23.97	0.0	-1.4

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	8.32	1.71	39.0

Hardware Setup

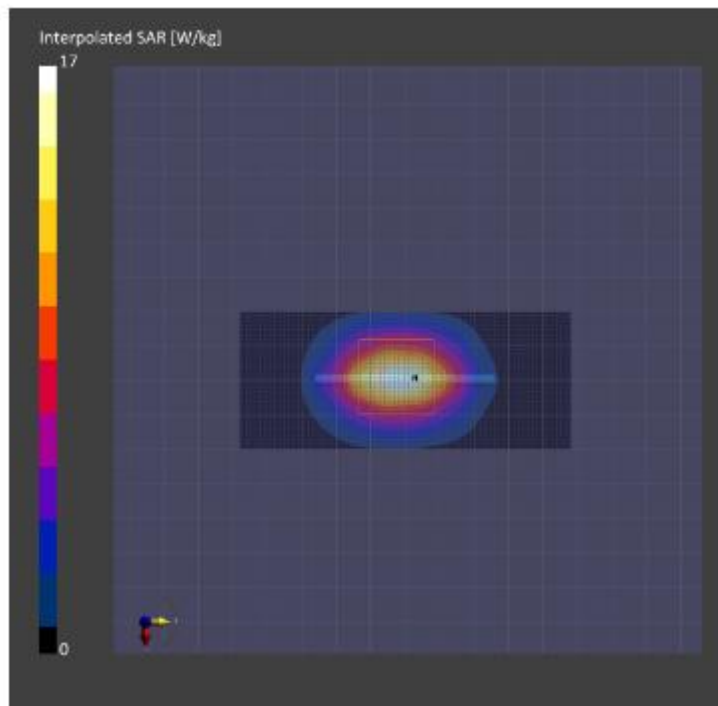
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2450, 2022-Aug-02	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

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 + 0p	VMS + 0p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-08-02, 13:25	2022-08-02, 13:33
psSAR1g [W/Kg]	13.3	12.8
psSAR10g [W/Kg]	6.07	5.93
Power Drift [dB]	-0.01	0.03
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-08-03, 13:55

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2450V2 - SN781	2450.0	HSL	15.0	-5.3	-5.6

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	8.32	1.78	38.7

Hardware Setup

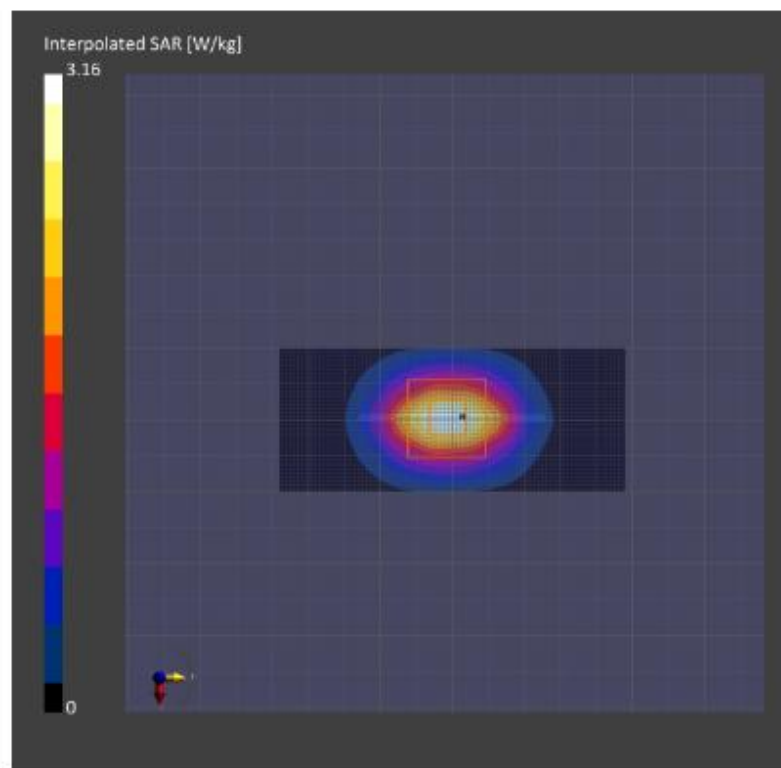
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2450, 2022-Aug-03	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

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	2022-08-03, 13:55	2022-08-03, 14:02
psSAR1g [W/Kg]	1.60	1.54
psSAR10g [W/Kg]	0.740	0.720
Power Drift [dB]	-0.01	-0.02
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-08-12, 21:16

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D2450V2 - SN781	2450.0	HSL	23.98	-0.0	-0.6

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	8.32	1.72	39.0

Hardware Setup

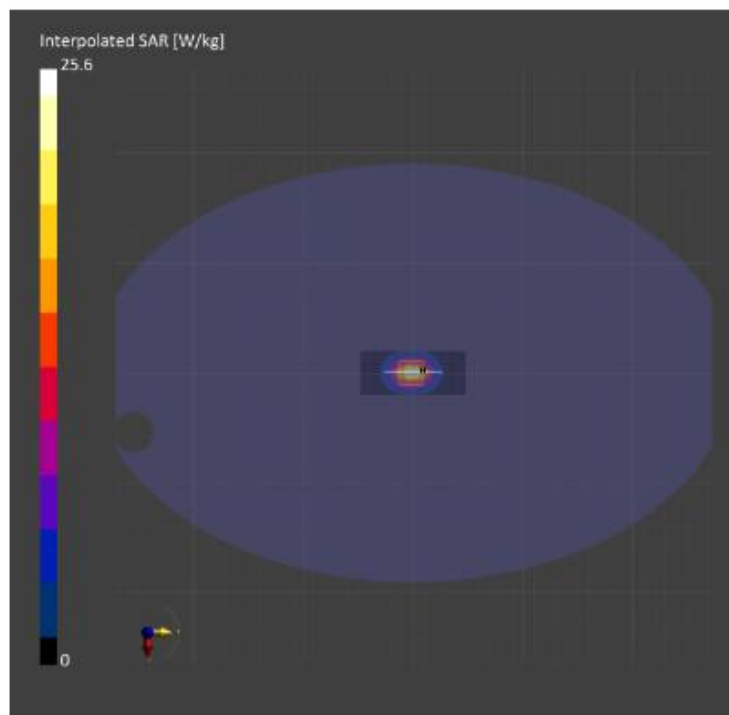
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2450, 2022-Aug-12	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

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 + 0p	VMS + 0p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-08-12, 21:16	2022-08-12, 21:23
psSAR1g [W/Kg]	13.2	12.8
psSAR10g [W/Kg]	6.05	5.99
Power Drift [dB]	0.01	-0.00
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-08-08, 22:53

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D5GHzV2 - SN1022	5250.0	HSL	15.0	-6.0	-4.7

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--	5250.0, 0	5.45	4.32	36.8

Hardware Setup

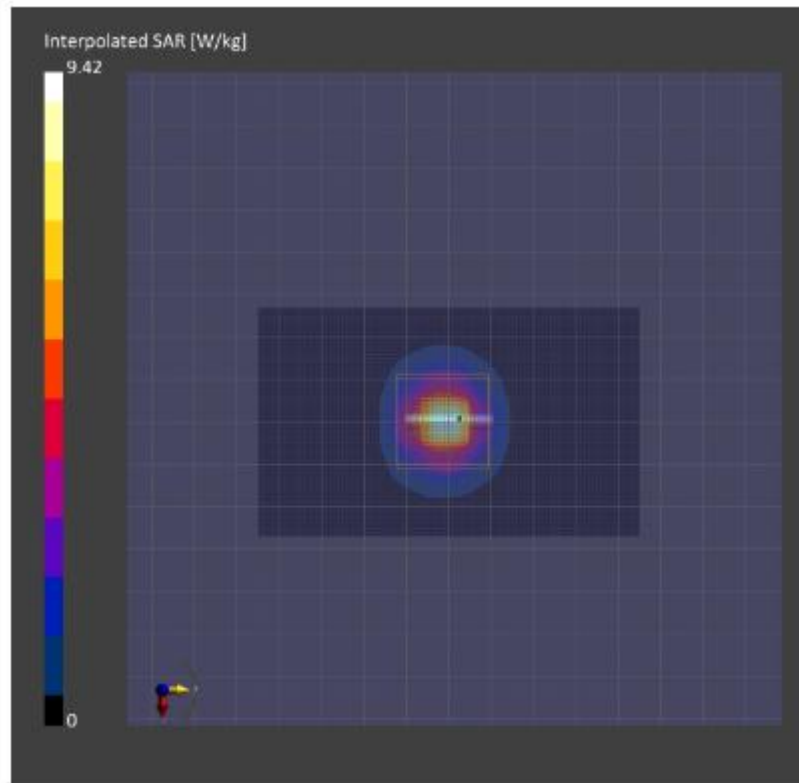
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL5250, 2022-Aug-08	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	54.0 x 90.0	28.0 x 28.0 x 22.0
Grid Steps [mm]	9.0 x 9.0	4.0 x 4.0 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	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-08-08, 22:53	2022-08-08, 23:02
psSAR1g [W/Kg]	2.55	2.42
psSAR10g [W/Kg]	0.732	0.699
Power Drift [dB]	-0.05	-0.10
TSL Correction	Positive / Negative	Positive / Negative



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2022-08-16, 13:26

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D5GHzV2 - SN1022	5250.0	HSL	15.0	-5.0	-3.3

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--	5250.0, 0	5.45	4.36	36.3

Hardware Setup

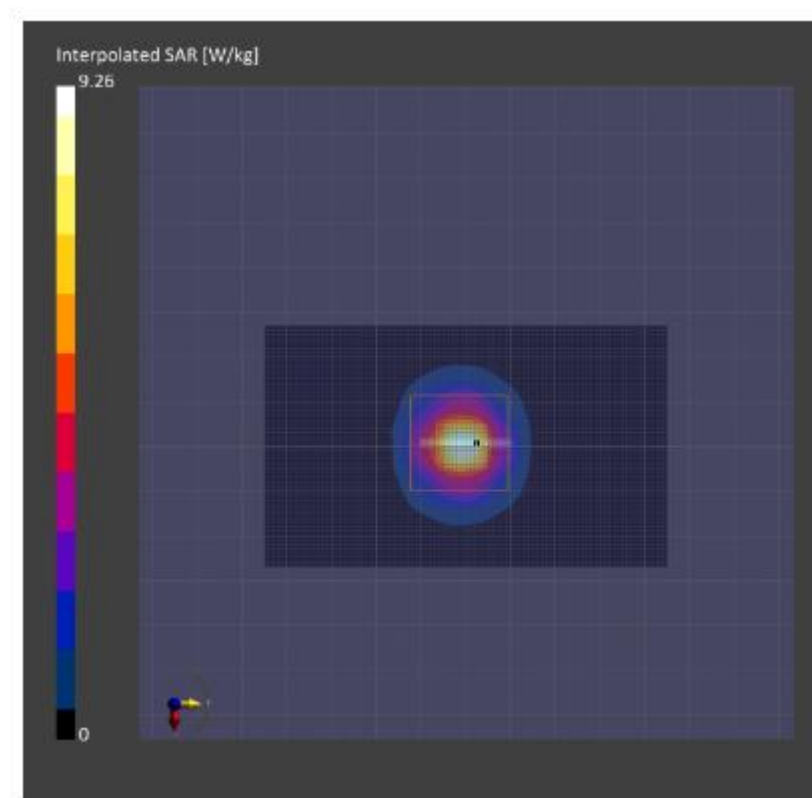
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI41109	HSL5250, 2022-Aug-16	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	54.0 x 90.0	28.0 x 28.0 x 22.0
Grid Steps [mm]	9.0 x 9.0	4.0 x 4.0 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	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-08-16, 13:26	2022-08-16, 13:35
psSAR1g [W/Kg]	2.48	2.44
psSAR10g [W/Kg]	0.712	0.710
Power Drift [dB]	-0.03	-0.03
TSL Correction	Positive / Negative	Positive / Negative



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2022-08-08, 23:17

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D5GHzV2 - SN1022	5000.0	HSL	15.0	-0.6	-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--	5000.0, 0	4.81	4.69	36.1

Hardware Setup

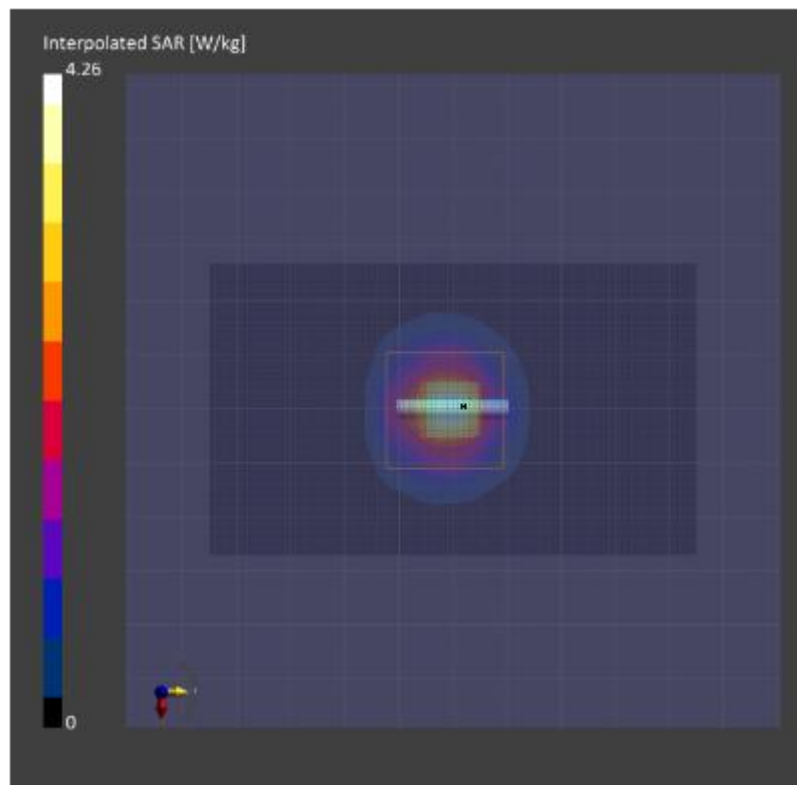
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL5250, 2022-Aug-08	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	54.0 x 90.0	28.0 x 28.0 x 22.0
Grid Steps [mm]	9.0 x 9.0	4.0 x 4.0 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	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-08-08, 23:17	2022-08-08, 23:26
psSAR 1g [W/Kg]	2.65	2.61
psSAR 10g [W/Kg]	0.751	0.739
Power Drift [dB]	0.07	-0.16
TSL Correction	Positive / Negative	Positive / Negative



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2022-08-09, 23:22

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D5GHzV2 - SN1022	5000.0	HSL	15.0	3.1	4.9

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--	5000.0, 0	4.81	4.67	36.2

Hardware Setup

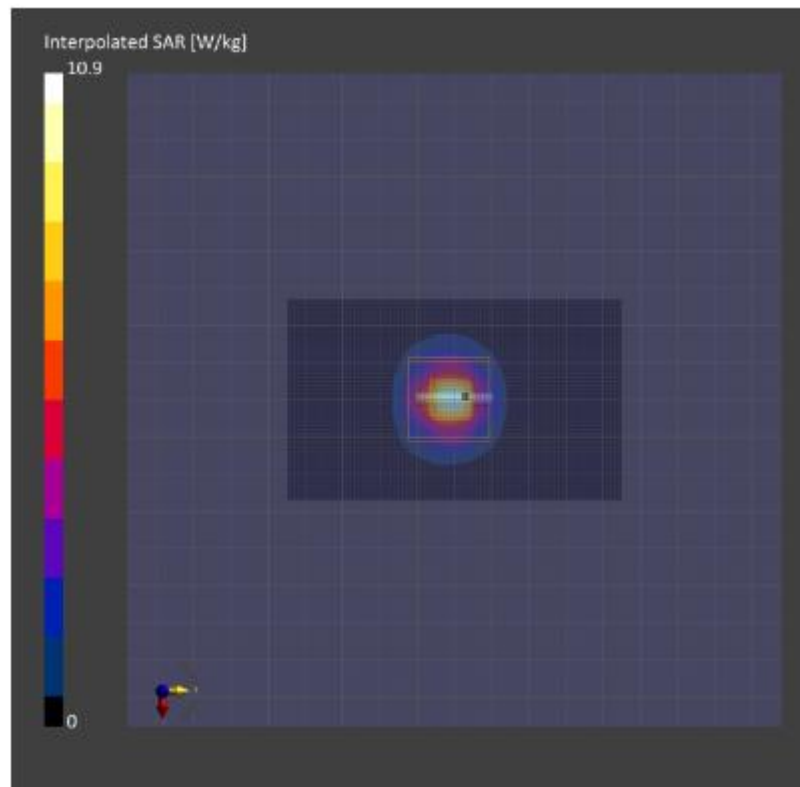
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL3600, 2022-Aug-09	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	54.0 x 90.0	28.0 x 28.0 x 22.0
Grid Steps [mm]	9.0 x 9.0	4.0 x 4.0 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	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-08-09, 23:22	2022-08-09, 23:31
psSAR1g [W/Kg]	2.82	2.71
psSAR10g [W/Kg]	0.800	0.780
Power Drift [dB]	0.02	0.02
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-08-16, 13:45

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D5GHzV2 - SN1022	5000.0	HSL	15.0	0.8	2.3

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--	5000.0, 0	4.81	4.73	36.0

Hardware Setup

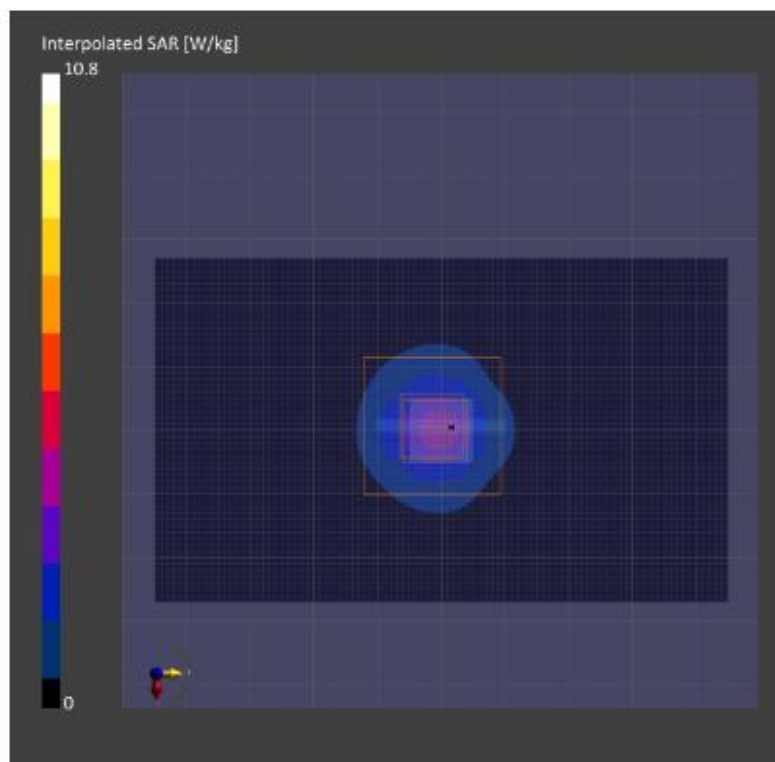
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL5250, 2022-Aug-16	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	54.0 x 90.0	28.0 x 28.0 x 22.0
Grid Steps [mm]	9.0 x 9.0	4.0 x 4.0 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	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-08-16, 13:45	2022-08-16, 13:54
psSAR 1g [W/Kg]	2.64	2.65
psSAR 10g [W/Kg]	0.747	0.760
Power Drift [dB]	0.07	0.01
TSL Correction	Positive / Negative	Positive / Negative



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2022-08-09, 23:55

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D5GHzV2 - SN1022	5600.0	HSL	20.0	-5.8	-3.5

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--	5600.0, 0	4.81	4.67	36.2

Hardware Setup

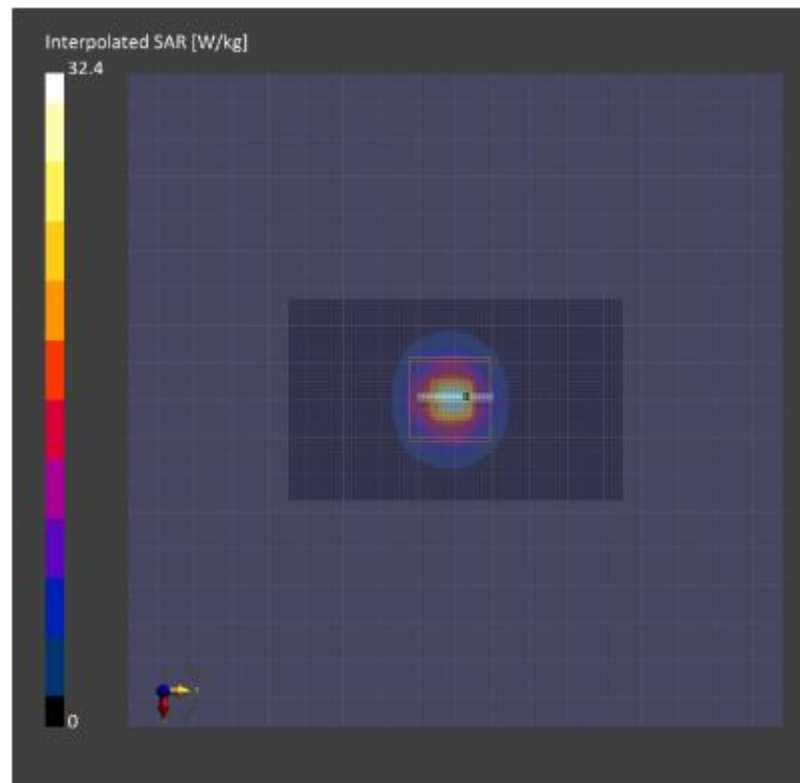
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL3600, 2022-Aug-09	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	54.0 x 90.0	28.0 x 28.0 x 22.0
Grid Steps [mm]	9.0 x 9.0	4.0 x 4.0 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	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-08-09, 23:55	2022-08-10, 00:04
psSAR 1g [W/Kg]	7.82	7.82
psSAR 10g [W/Kg]	2.25	2.27
Power Drift [dB]	0.05	0.07
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-08-11, 01:13

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D5GHzV2 - SN1022	5750.0	HSL	20.0	-4.1	-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, HSL	10		, 0--	5750.0, 0	5.0	4.79	34.7

Hardware Setup

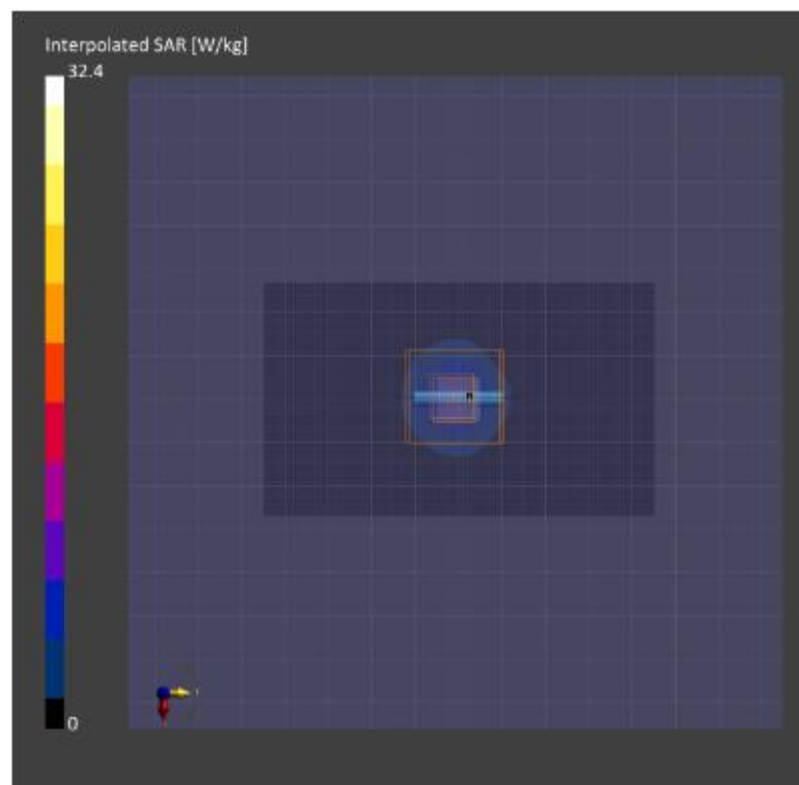
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL5600, 2022-Aug-11	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	34.0 x 90.0	28.0 x 28.0 x 22.0
Grid Steps [mm]	9.0 x 9.0	4.0 x 4.0 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	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-08-11, 01:13	2022-08-11, 01:22
psSAR1g [W/Kg]	7.89	7.82
psSAR10g [W/Kg]	2.26	2.28
Power Drift [dB]	0.01	0.01
TSL Correction	Positive / Negative	Positive / Negative



Motorola Solutions, EME Laboratory

2022-08-16, 14:53

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D5GHzV2 - SN1022	5750.0	HSL	20.0	-3.1	-1.2

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--	5750.0, 0	5.0	4.90	35.7

Hardware Setup

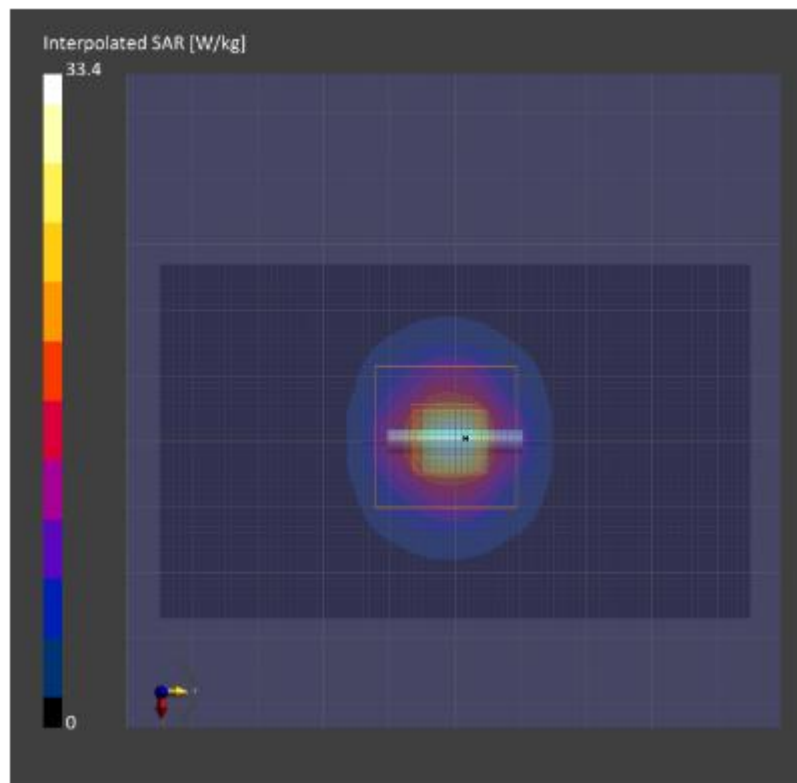
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL5250, 2022-Aug-16	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	54.0 x 90.0	28.0 x 28.0 x 22.0
Grid Steps [mm]	9.0 x 9.0	4.0 x 4.0 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	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-08-16, 14:53	2022-08-16, 15:02
psSAR1g [W/Kg]	7.94	7.90
psSAR10g [W/Kg]	2.27	2.28
Power Drift [dB]	-0.00	0.02
TSL Correction	Positive / Negative	Positive / Negative



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Date/Time: 9/22/2022 5:07:18 PM

Robot#: DASY5-PG-1 | Run#: FZ-SYSP-5750H-220922-08
 Dipole Model#: D5GHzV2
 Phantom#: EL14 1108
 Tissue Temp: 20.0 (C)
 Serial#: 1022
 Test Freq: 5750.0000 (MHz)
 Start Power: 31.6 (mW)
 Rotation (1D): 0.079 dB
 Adjusted SAR (1W): 75.00 mW/g (1g)

Comments:

Communication System Band: D5GHz, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 5750$ MHz; $\sigma = 4.79$ S/m; $\epsilon_r = 32$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5750 MHz, ConvF(5.11, 5.11, 5.11) @ 5750 MHz

Electronics: DAE4 Sn850, Calibrated: 4/14/2022

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 = 40.22 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 2.26 W/kg; SAR(10 g) = 0.619 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 6.29 W/kg

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

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

Reference Value = 40.22 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 2.37 W/kg; SAR(10 g) = 0.665 W/kg (SAR corrected for target medium)

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

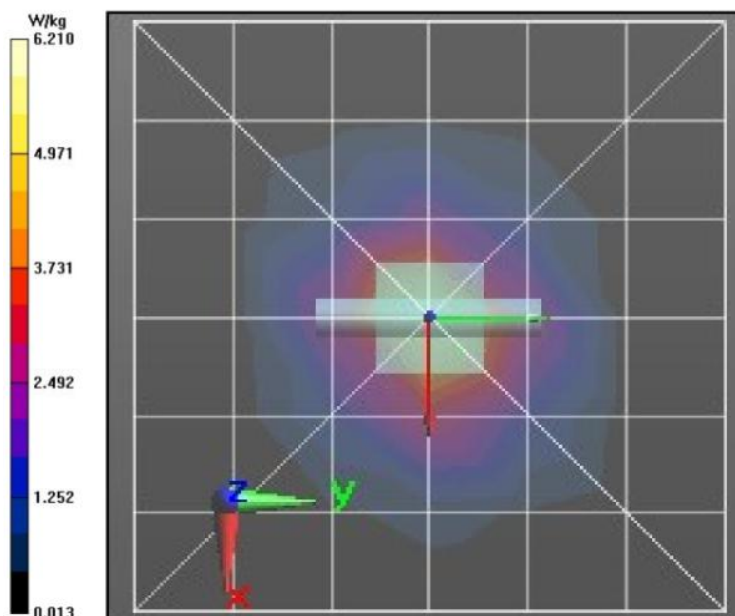
Ratio of SAR at M2 to SAR at M1 = 50.9%

Maximum value of SAR (measured) = 5.83 W/kg

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

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

Maximum value of SAR (measured) = 6.39 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/17/2022 12:48:24 AM

Robot#: DASY5-PG-1 | Run#: FZ-SYSP-900H-220917-01
 Dipole Model#: D900V2
 Phantom#: ELI4 1090
 Tissue Temp: 21.6 (C)
 Serial#: 085
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.034 dB
 Adjusted SAR (1W): 11.00 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 900$ MHz; $\sigma = 1.01$ S/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

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 = 64.66 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 2.88 W/kg; SAR(10 g) = 1.88 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.90 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 = 64.66 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 4.43 W/kg

SAR(1 g) = 2.75 W/kg; SAR(10 g) = 1.78 W/kg (SAR corrected for target medium)

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

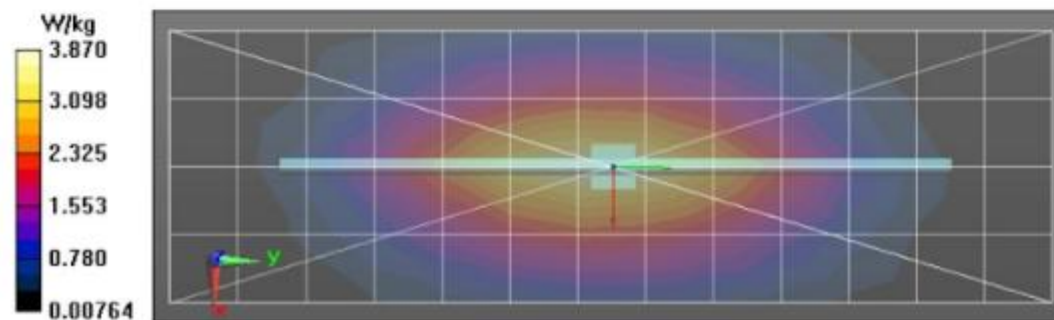
Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 3.89 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) = 3.90 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/10/2022 8:51:21 AM

Robot#: DASY5-PG-1 | Run#: FZ-SYSP-900H-220910-02
 Dipole Model# D900V2
 Phantom#: ELI4 1037
 Tissue Temp: 21.5 (C)
 Serial#: 085
 Test Freq: 900.0000 (MHz)
 Start Power: 250 (mW)
 Rotation (1D): 0.035dB
 Adjusted SAR (1W): 10.72 mW/g (1g)

Comments:

Communication System Band: D900, Communication System UID: 0, Duty Cycle: 1:1.

Medium parameters used: $f = 900$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 900 MHz, ConvF(10.26, 10.26, 10.26) @ 900 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x111x1):

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

Reference Value = 64.92 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 2.86 W/kg; SAR(10 g) = 1.84 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.63 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 = 64.92 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.15 W/kg

SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.67 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 = 62.3%

Maximum value of SAR (measured) = 3.62 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) = 3.64 W/kg

