APPENDIX D

System Verification Check Scans

Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/18/2022 4:10:31 PM

Robot#: DASY5-PG-1 | Run#:	BL-SYSP-750H-220718-12
Dipole Model#	D750V3
Phantom#:	ELI4 1050
Tissue Temp:	20.5 (C)
Serial#:	1098
Test Freq:	750.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.046 dB
Adjusted SAR (1W):	8.24 mW/g (1g)

Comments:

Communication System Band: D750, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 750 MHz; σ = 0.91 S/m; ε_r = 40.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 750 MHz, ConvF(11.05, 11.05, 11.05) @ 750 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

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

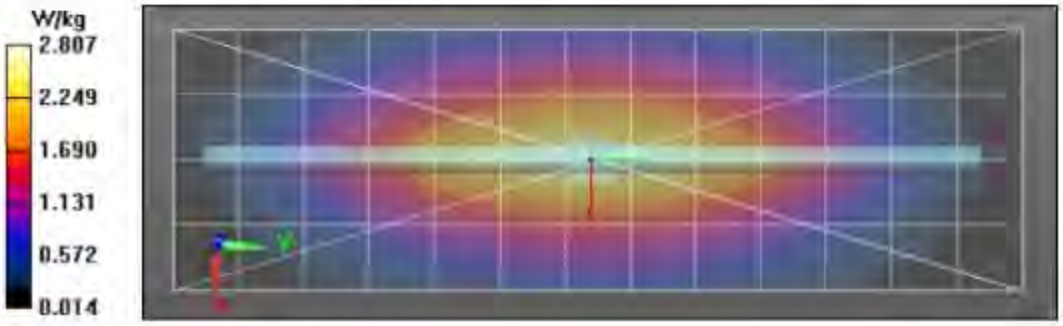
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 58.28 V/m; Power Drift = -0.10 dB
Fast SAR: SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.43 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.82 W/kg

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 = 58.28 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 3.19 W/kg
SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.36 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 65.6%
Maximum value of SAR (measured) = 2.83 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) = 2.84 W/kg



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Date/Time: 7/11/2022 9:15:47 AM

Robot#: DASY5-PG-1 | Run#:	FZ-SYSP-835H-220711-01
Dipole Model#	D835V2
Phantom#:	ELI4 1028
Tissue Temp:	21.8 (C)
Serial#:	4d30
Test Freq:	835.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.046 dB
Adjusted SAR (1W):	10.28 mW/g (1g)

Comments:

Communication System Band: D835, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 835 MHz; σ = 0.93 S/m; ε_r = 42; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 835 MHz, ConvF(10.49, 10.49, 10.49) @ 835 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

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

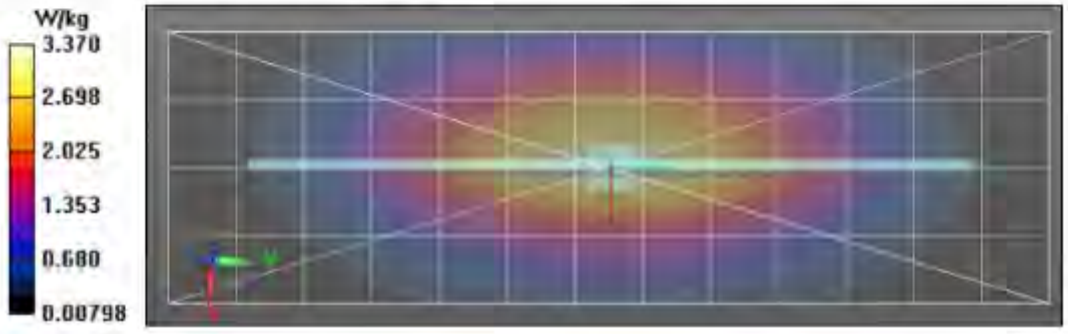
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 63.78 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 2.65 W/kg; SAR(10 g) = 1.74 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.47 W/kg

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 = 63.78 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 3.95 W/kg
SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.68 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 = 65.6%
Maximum value of SAR (measured) = 3.49 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



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Date/Time: 7/12/2022 8:31:43 AM

Robot#: DASY5-PG-1 | Run#:	FZ-SYSP-900H-220711-02
Dipole Model#	D900V2
Phantom#:	ELI4 1028
Tissue Temp:	21.8 (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; σ = 0.98 S/m; ε_r = 40.1; ρ = 1000 kg/m^3
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):

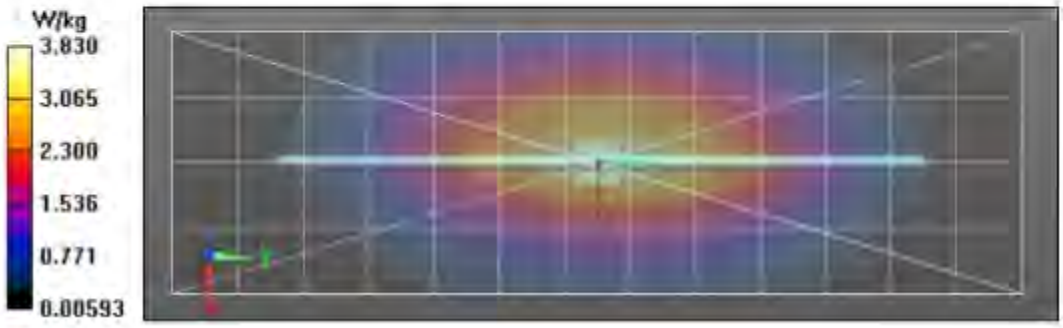
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 65.89 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 2.95 W/kg; SAR(10 g) = 1.92 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.92 W/kg

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 = 65.89 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 4.51 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 = 17.5 mm
Ratio of SAR at M2 to SAR at M1 = 63.8%
Maximum value of SAR (measured) = 3.95 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) = 3.92 W/kg



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Date/Time: 8/18/2022 9:04:34 PM

Robot#: DASY5-PG-1 | Run#:	BL-SYSP-900H-220818-14
Dipole Model#	D900V2
Phantom#:	ELI4 1108
Tissue Temp:	21.5 (C)
Serial#:	085
Test Freq:	900.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.032 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; σ = 0.93 S/m; ε_r = 41.9; ρ = 1000 kg/m^3
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):

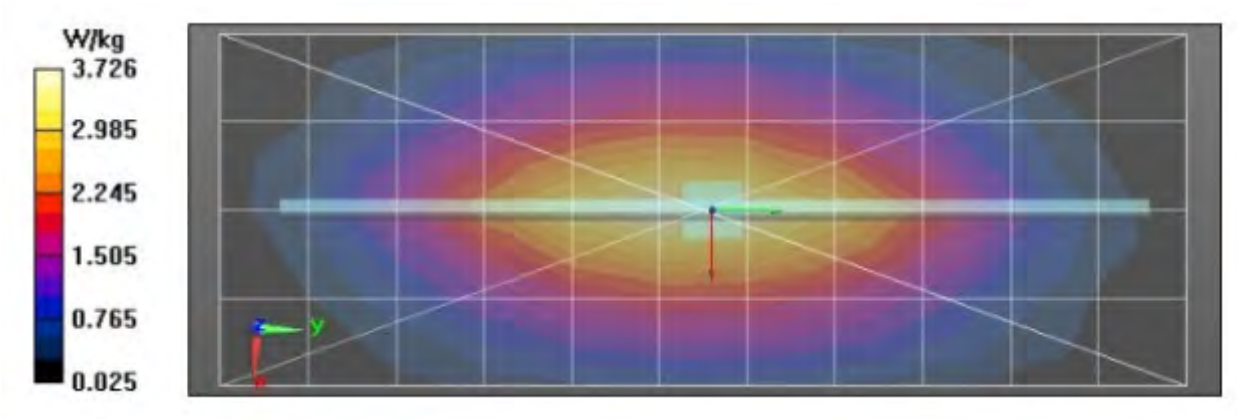
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 66.95 V/m; Power Drift = -0.16 dB
Fast SAR: SAR(1 g) = 2.98 W/kg; SAR(10 g) = 1.91 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.76 W/kg

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 = 66.95 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 4.24 W/kg
SAR(1 g) = 2.83 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 = 64.2%
Maximum value of SAR (measured) = 3.73 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) = 3.74 W/kg



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Date/Time: 7/17/2022 8:49:38 AM

Robot#: DASY5-PG-1 | Run#: MFR(AMF)SYSP-1800H-220717-04
Dipole Model# D1800V2
Phantom#: ELI4 1050
Tissue Temp: 21.40 (C)
Serial#: 2d120
Test Freq: 1800.0000 (MHz)
Start Power: 250 (mW)
Rotation (1D): 0.053 dB
Adjusted SAR (1W): 41.60 mW/g (1g)

Comments:

Communication System Band: D1800, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 1800 MHz; σ = 1.37 S/m; ε_r = 38.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 1800 MHz, ConvF(8.92, 8.92, 8.92) @ 1800 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):

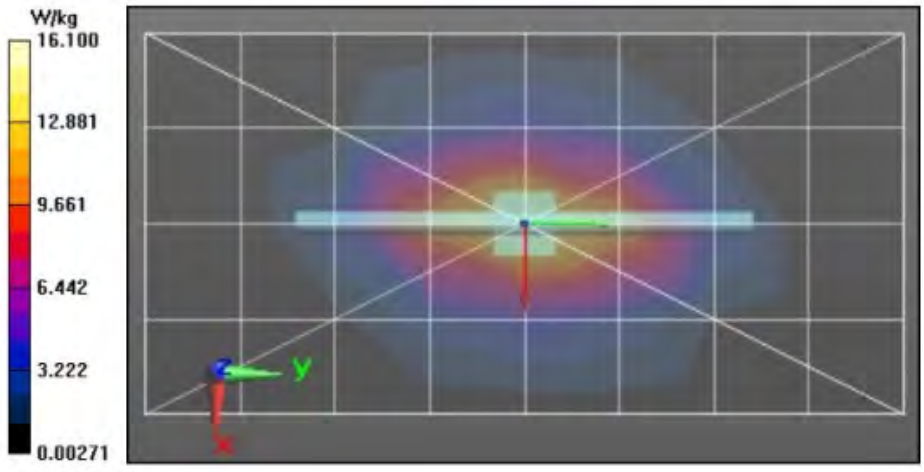
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 110.9 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 11 W/kg; SAR(10 g) = 5.64 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 16.1 W/kg

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 = 110.9 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 19.4 W/kg
SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.42 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 10.5 mm
Ratio of SAR at M2 to SAR at M1 = 52.9%
Maximum value of SAR (measured) = 16.2 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) = 16.4 W/kg



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Date/Time: 7/18/2022 1:21:39 PM

Robot#: DASY5-PG-1 | Run#:	BL-SYSP-1800H-220718-09
Dipole Model#	D1800V2
Phantom#:	ELI4 1050
Tissue Temp:	20.5 (C)
Serial#:	2d120
Test Freq:	1800.0000 (MHz)
Start Power:	250 (mW)
Rotation (1D):	0.06 dB
Adjusted SAR (1W):	38.44 mW/g (1g)

Comments:

Communication System Band: D1800, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 1800 MHz; σ = 1.41 S/m; ε_r = 38.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 1800 MHz, ConvF(8.92, 8.92, 8.92) @ 1800 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (41x81x1):

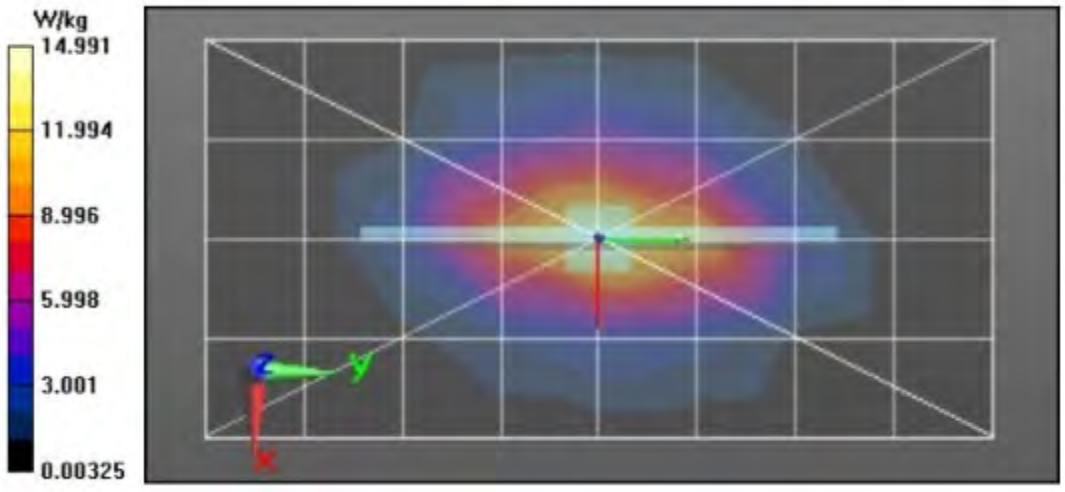
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 105.5 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.32 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 15.3 W/kg

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 = 105.5 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 9.61 W/kg; SAR(10 g) = 5.07 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 10.5 mm
Ratio of SAR at M2 to SAR at M1 = 53.2%
Maximum value of SAR (measured) = 14.9 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) = 15.2 W/kg



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Date/Time: 7/18/2022 8:10:02 AM

Robot#: DASY5-PG-1 | Run#:	BL-SYSP-23000H-220718-05#
Dipole Model#	D2300V2
Phantom#:	ELI4 1050
Tissue Temp:	21.5 (C)
Serial#:	1003
Test Freq:	2300.0000(MHz)
Start Power:	250 (mW)
Rotation (1D):	0.066 dB
Adjusted SAR (1W):	47.60 mW/g (1g)

Comments:

Communication System Band: D2300, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2300 MHz; σ = 1.65 S/m; ε_r = 36.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 2300 MHz, ConvF(8.45, 8.45, 8.45) @ 2300 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x71x1): Interpolated grid:

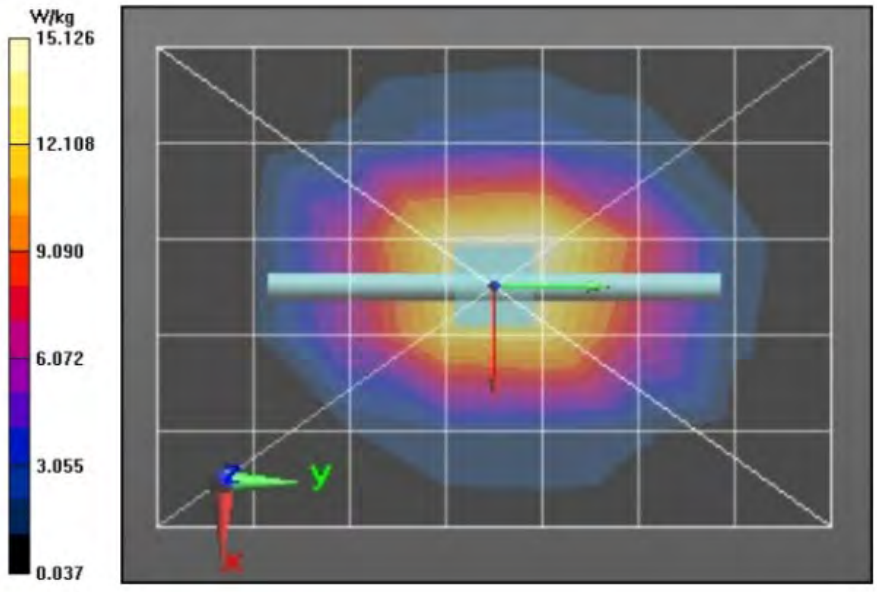
dx=1.200 mm, dy=1.200 mm
Reference Value = 113.9 V/m; Power Drift = -0.19 dB
Fast SAR: SAR(1 g) = 12.8 W/kg; SAR(10 g) = 6.07 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 21.3 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm
Reference Value = 113.9 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 24.7 W/kg
SAR(1 g) = 11.9 W/kg; SAR(10 g) = 5.7 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 48.7%
Maximum value of SAR (measured) = 19.9 W/kg

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

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 19.9 W/kg



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Date/Time: 7/12/2022 3:25:41 PM

Robot#: DASY5-PG-1 | Run#:	FZ-SYSP-2450H-10
Dipole Model#	D2450V2
Phantom#:	ELI4 1050
Tissue Temp:	21.7 (C)
Serial#:	781
Test Freq:	2450.0000(MHz)
Start Power:	250 (mW)
Rotation (1D):	0.087dB
Adjusted SAR (1W):	53.60mW/g (1g)

Comments:

Communication System Band: D2450, Communication System UID: 0, Duty Cycle: 1:1,

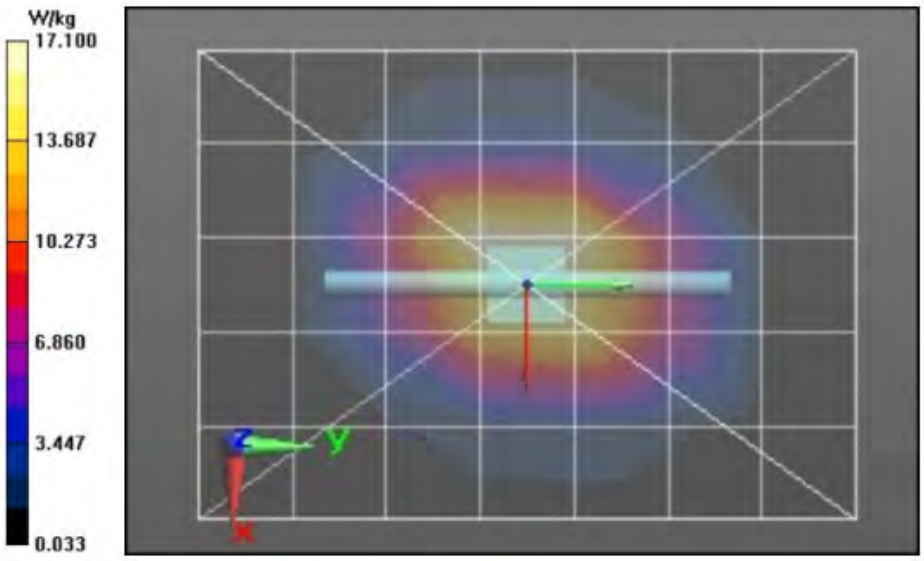
Medium parameters used: f = 2450 MHz; σ = 1.79 S/m; ε_r = 36.7; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 2450 MHz, ConvF(8.13, 8.13, 8.13) @ 2450 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 116.3 V/m; Power Drift = -0.06 dB
Fast SAR: SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.6 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 24.7 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 116.3 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 29.0 W/kg
SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.26 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 47%
Maximum value of SAR (measured) = 23.2 W/kg

2-3 GHz-Rev.3/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 23.1 W/kg



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Date/Time: 7/17/2022 8:14:49 PM

Robot#: DASY5-PG-1 | Run#:	FZ-SYSP-2450H-220717-12
Dipole Model#	D2450V2
Phantom#:	ELI4 1050
Tissue Temp:	21.3 (C)
Serial#:	781
Test Freq:	2450.0000(MHz)
Start Power:	250 (mW)
Rotation (1D):	0.076dB
Adjusted SAR (1W):	51.58 mW/g (1g)

Comments:

Communication System Band: D2450, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 2450 MHz; σ = 1.76 S/m; ε_r = 36.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 2450 MHz, ConvF(8.13, 8.13, 8.13) @ 2450 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/System Performance Check/Dipole Area Scan 2 (51x71x1): Interpolated grid:

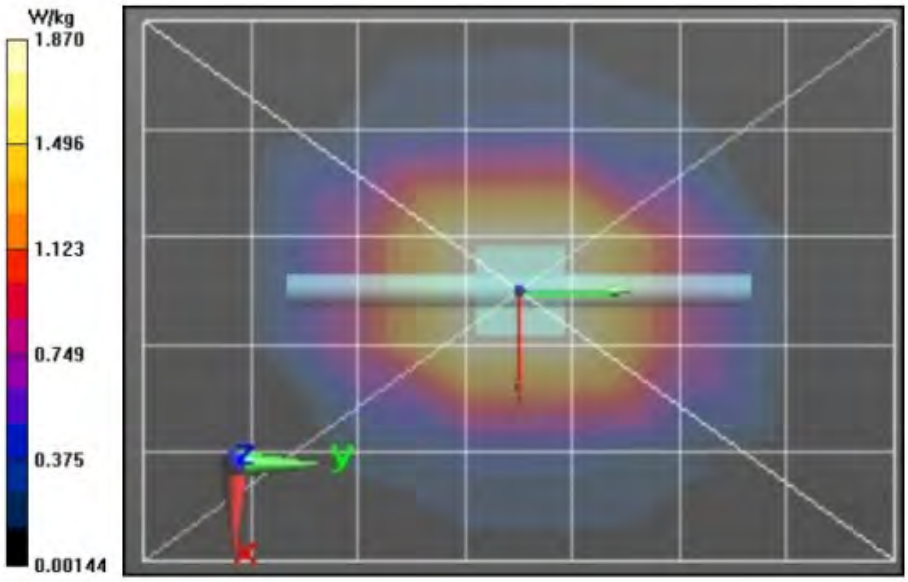
dx=1.200 mm, dy=1.200 mm
Reference Value = 41.04 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 1.73 W/kg; SAR(10 g) = 0.795 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.95 W/kg

2-3 GHz-Rev.3/System Performance Check/0-Degree Cube (7x7x7)/Cube 0: Measurement grid:

dx=5mm, dy=5mm, dz=5mm
Reference Value = 41.04 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.49 W/kg
SAR(1 g) = 1.63 W/kg; SAR(10 g) = 0.756 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 46.9%
Maximum value of SAR (measured) = 2.78 W/kg

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

dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.81 W/kg



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Date/Time: 7/19/2022 11:05:24 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-3700H-220719-03
Dipole Model# D3700V2
Phantom#: ELI4 1050
Tissue Temp: 20.2 (C)
Serial#: 1028
Test Freq: 3700.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.180 dB
Adjusted SAR (1W): 63.60 mW/g (1g)

Comments:

Communication System Band: D3700, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 3700 MHz; σ = 2.81 S/m; ε_r = 35.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 3700 MHz, ConvF(7.03, 7.03, 7.03) @ 3700 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

3-4 GHz-Rev.5/System Performance Check/Dipole Area Scan 2 (51x51x1): Interpolated grid:

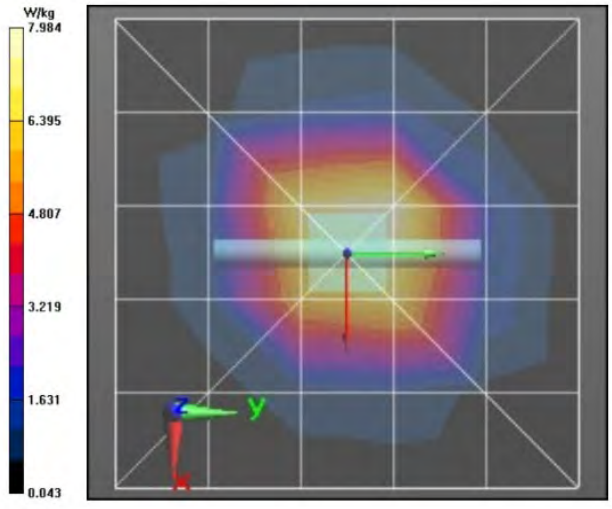
dx=1.200 mm, dy=1.200 mm
Reference Value = 69.25 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 6.46 W/kg; SAR(10 g) = 2.29 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 13.0 W/kg

3-4 GHz-Rev.5/System Performance Check/0-Degree Cube (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 69.25 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 17.1 W/kg
SAR(1 g) = 6.36 W/kg; SAR(10 g) = 2.33 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 53.5%
Maximum value of SAR (measured) = 12.6 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) = 12.7 W/kg



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Date/Time: 9/12/2022 2:40:15 PM

Robot#: DASY5-PG-1 | Run#:	ZZ-SYSP-5250H-220912-01
Dipole Model#	D5GHzV2
Phantom#:	ELI4 1037
Tissue Temp:	21.7 (C)
Serial#:	1022
Test Freq:	5250.0000 (MHz)
Start Power:	100 (mW)
Rotation (1D):	0.071 dB
Adjusted SAR (1W):	82.20 mW/g (1g)

Comments:

Communication System Band: D5000, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 5250 MHz; σ = 4.34 S/m; ε_r = 34.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5250 MHz, ConvF(5.66, 5.66, 5.66) @ 5250 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

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

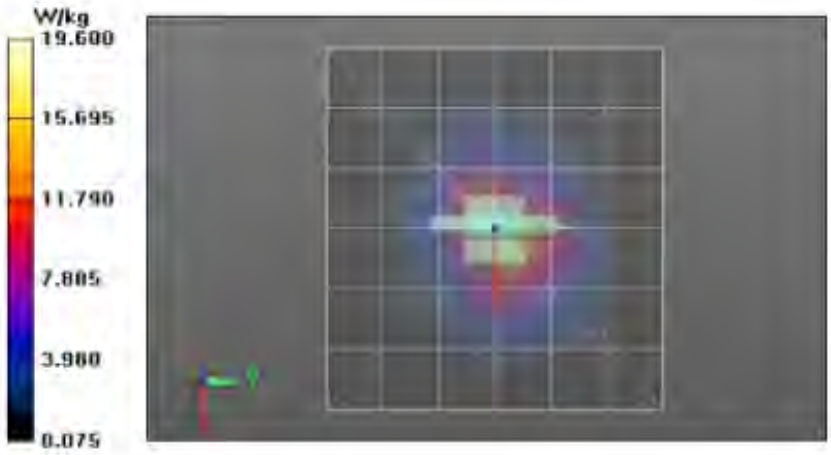
dx=0.9000 mm, dy=0.9000 mm
Reference Value = 76.34 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 7.97 W/kg; SAR(10 g) = 2.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 20.7 W/kg

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

grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 76.34 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 32.4 W/kg
SAR(1 g) = 8.22 W/kg; SAR(10 g) = 2.36 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 = 55.4%
Maximum value of SAR (measured) = 19.2 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: 9/11/2022 4:12:58 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-5500H-220911-04
Dipole Model# D5GHzV2
Phantom#: ELI4 1037
Tissue Temp: 20.5 (C)
Serial#: 1022
Test Freq: 5500.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.079 dB
Adjusted SAR (1W): 82.90 mW/g (1g)

Comments:

Communication System Band: D5GHz, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 5500 MHz; σ = 4.52 S/m; ε_r = 32.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5500 MHz, ConvF(5.19, 5.19, 5.19) @ 5500 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

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

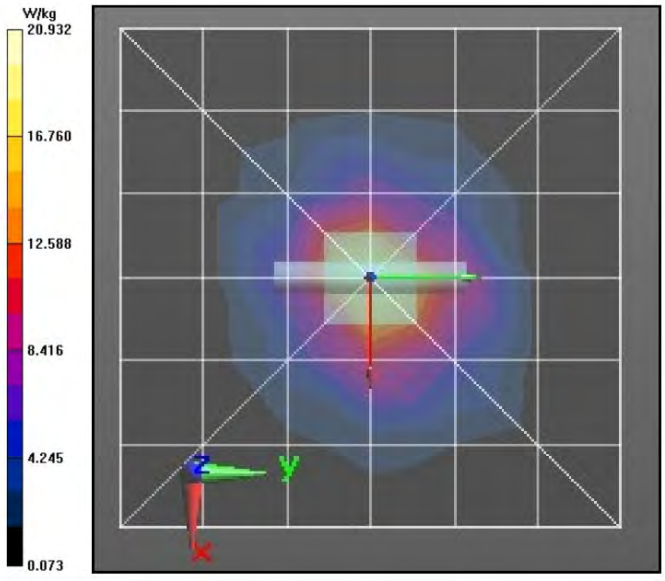
dx=0.9000 mm, dy=0.9000 mm
Reference Value = 75.79 V/m; Power Drift = -0.00 dB
Fast SAR: SAR(1 g) = 7.98 W/kg; SAR(10 g) = 2.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 21.5 W/kg

4-6 GHz-Rev.5/System Performance Check/0-Degree Cube (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 75.79 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 34.9 W/kg
SAR(1 g) = 8.29 W/kg; SAR(10 g) = 2.37 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 = 53.7%
Maximum value of SAR (measured) = 19.8 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) = 21.7 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/12/2022 9:52:51 PM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-5600H-220912-02
Dipole Model# D5GHzV2
Phantom#: ELI4 1037
Tissue Temp: 20.3 (C)
Serial#: 1022
Test Freq: 5600.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.16 dB
Adjusted SAR (1W): 76.90 mW/g (1g)

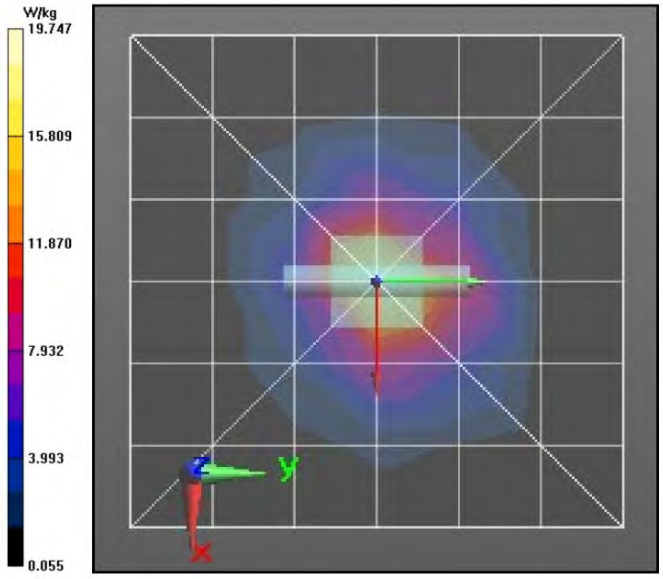
Comments:

Communication System Band: D5GHz, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 5600 MHz; σ = 4.63 S/m; ε_r = 32.5; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5600 MHz, ConvF(5.08, 5.08, 5.08) @ 5600 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 = 73.39 V/m; Power Drift = -0.15 dB
Fast SAR: SAR(1 g) = 7.4 W/kg; SAR(10 g) = 2.02 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 20.4 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 = 73.39 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 33.3 W/kg
SAR(1 g) = 7.69 W/kg; SAR(10 g) = 2.19 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 = 52.3%
Maximum value of SAR (measured) = 19.2 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) = 19.3 W/kg



Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/20/2022 9:12:19 AM

Robot#: DASY5-PG-1 | Run#: BL-SYSP-5750H-220720-05
Dipole Model# D5GHzV2
Phantom#: ELI4 1050
Tissue Temp: 20.2 (C)
Serial#: 1022
Test Freq: 5750.0000 (MHz)
Start Power: 100 (mW)
Rotation (1D): 0.092 dB
Adjusted SAR (1W): 74.60 mW/g (1g)

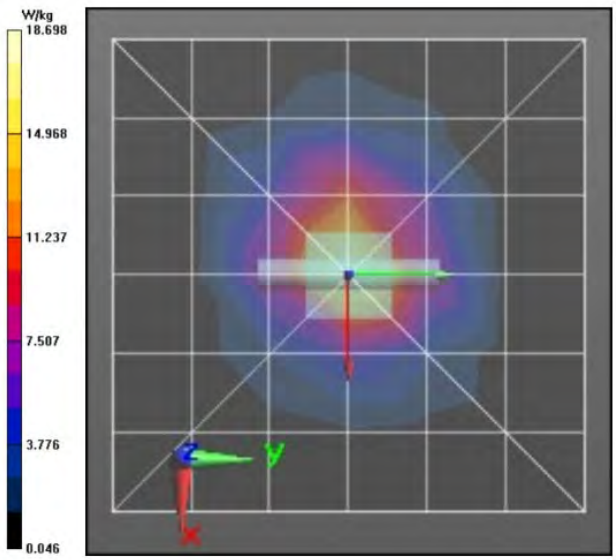
Comments:

Communication System Band: D5000, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 5750 MHz; σ = 5.03 S/m; ε_r = 32.7; ρ = 1000 kg/m^3
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 = 67.53 V/m; Power Drift = 0.12 dB
Fast SAR: SAR(1 g) = 7.12 W/kg; SAR(10 g) = 1.97 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 = 67.53 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 33.7 W/kg
SAR(1 g) = 7.46 W/kg; SAR(10 g) = 2.13 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 = 50.8%
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) = 19.8 W/kg



Motorola Solutions, EME Laboratory

2022-07-25, 20:05

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]
D5GHzV2 - SN1026	5250.0	HSL	15.0	6.9	8.4

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--	5250.0, 0	5.45	4.47	38.2

Hardware Setup

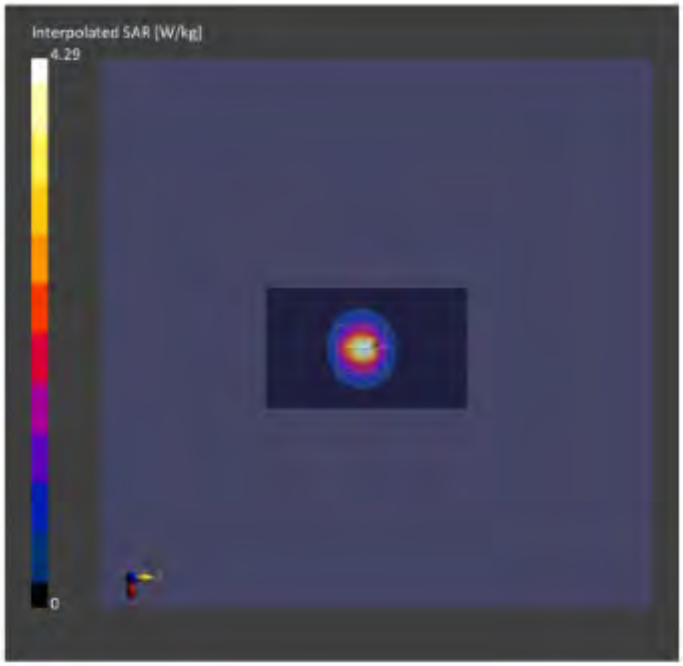
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL5250 , 2022-Jul-25	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

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	2022-07-25, 20:05	2022-07-25, 20:13
psSAR1g [W/Kg]	2.73	2.74
psSAR10g [W/Kg]	0.799	0.795
Power Drift [dB]	-0.00	0.06
TSL Correction	Positive / Negative	Positive / Negative



APPENDIX E
DUT Scans

Assessment at Body - LMR 806 - 824MHz
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/11/2022 7:58:29 PM

Robot#: DASY5-PG-1 | Run#:	BL-AB-220711-07
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1028
Tissue Temp:	21.2 (C)
Serial#:	734TYM0065
Antenna:	AN000415A01
Test Freq:	824.0000 (MHz)
Battery:	PMNN4805A
Carry Acc:	PMLN8126A w/ PMLN7008A
Audio Acc:	N/A
Start Power:	2.57 (W)

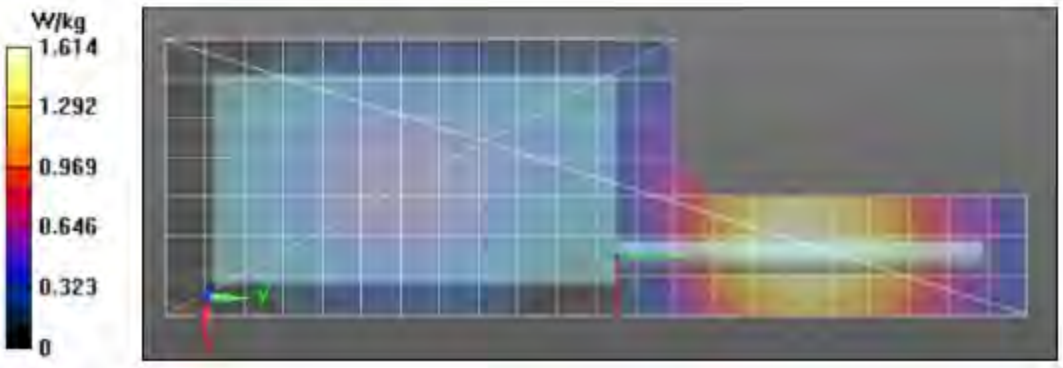
Comments:

Communication System Band: Mackenzie, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 824 MHz; σ = 0.92 S/m; ε_r = 42.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 824 MHz, ConvF(10.49, 10.49, 10.49) @ 824 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 42.10 V/m; Power Drift = -0.25 dB
Fast SAR: SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.911 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.63 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.10 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.954 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 = 73.8%
Maximum value of SAR (measured) = 1.59 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.58 W/kg



Assessment at Body - LMR 851 - 869MHz
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/12/2022 12:17:00 AM

Robot#: DASY5-PG-1 | Run#:	BL-AB-220712-01#
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1028
Tissue Temp:	21.5 (C)
Serial#:	734TYM0065
Antenna:	AN000415A01
Test Freq:	851.0000(MHz)
Battery:	PMNN4803A
Carry Acc:	PMLN8126A w/ PMLN4651A
Audio Acc:	N/A
Start Power:	2.80 (W)

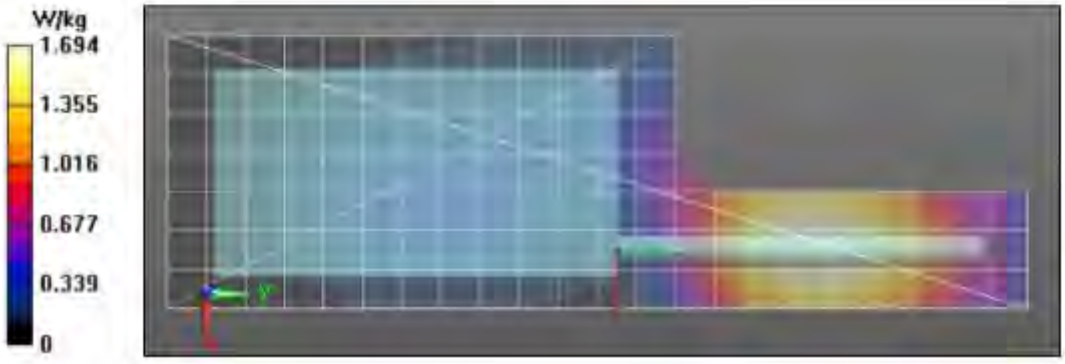
Comments:

Communication System Band: Mackenzie, Communication System UID: 0, Duty Cycle: 1:1.
Medium parameters used: f = 851 MHz; σ = 0.95 S/m; ε_r = 41.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 851 MHz, ConvF(10.49, 10.49, 10.49) @ 851 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 44.48 V/m; Power Drift = -0.39 dB
Fast SAR: SAR(1 g) = 1.38 W/kg; SAR(10 g) = 0.974 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.75 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 44.48 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 1.36 W/kg; SAR(10 g) = 1 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 = 73.3%
Maximum value of SAR (measured) = 1.68 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.67 W/kg



Assessment at Body - LMR 896 - 901MHz
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/11/2022 10:56:20 PM

Robot#: DASY5-PG-1 | Run#: BL-FACE-220711-11
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1028
Tissue Temp: 21.5 (C)
Serial#: 734TYM0065
Antenna: AN000415A01
Test Freq: 896.0000 (MHz)
Battery: PMNN4803A
Carry Acc: PMLN8126A w/ PMLN4651A
Audio Acc: N/A
Start Power: 3.00 (W)

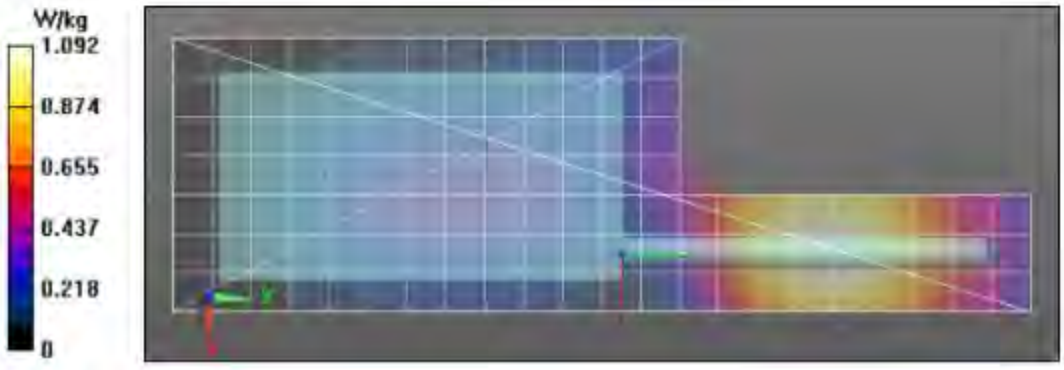
Comments:

Communication System Band: Mackenzie, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 896 MHz; σ = 0.99 S/m; ε_r = 41.3; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 896 MHz, ConvF(10.26, 10.26, 10.26) @ 896 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 39.90 V/m; Power Drift = -0.53 dB
Fast SAR: SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.618 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 1.12 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.90 V/m; Power Drift = -0.67 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.775 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 = 71.8%
Maximum value of SAR (measured) = 1.33 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.31 W/kg



Assessment at Body - LMR 935 - 940MHz
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/12/2022 9:25:09 AM

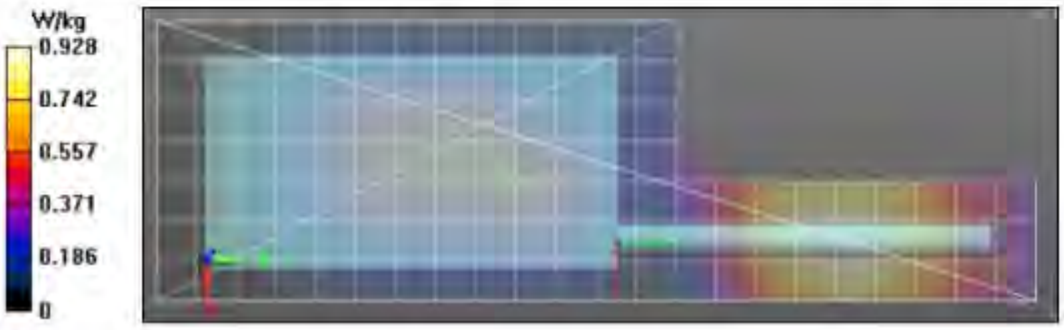
Robot#: DASY5-PG-1 | Run#:	FZ-AB-220712-03
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1028
Tissue Temp:	21.7 (C)
Serial#:	734TYM0065
Antenna:	AN000415A01
Test Freq:	940.0000(MHz)
Battery:	PMNN4804A
Carry Acc:	PMLN8126A w/ PMLN4651A
Audio Acc:	N/A
Start Power:	2.70 (W)
Comments:	

Communication System Band: Mackenzie, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 940 MHz; σ = 1.02 S/m; ε_r = 39.6; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 940 MHz, ConvF(10.26, 10.26, 10.26) @ 940 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 32.76 V/m; Power Drift = -0.75 dB
Fast SAR: SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.519 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.949 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.76 V/m; Power Drift = -0.92 dB
Peak SAR (extrapolated) = 0.930 W/kg
SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.477 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 = 70.9%
Maximum value of SAR (measured) = 0.837 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.814 W/kg



Assessment at Body - LTE B2
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/17/2022 9:54:38 AM

Robot#: DASY5-PG-1 | Run#:	MFR(AMF)-Ab-220717-05
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	21.4 (C)
Serial#:	734TYM0065
Antenna:	AN000415A01
Test Freq:	1880.0000 (MHz)
Battery:	PMNN4803A
Carry Acc:	PMLN8126A w/ PMLN7008A
Audio Acc:	None
Start Power:	0.238 (W)

Comments:

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,

Medium parameters used: f = 1880 MHz; σ = 1.42 S/m; ε_r = 38; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 1880 MHz, ConvF(8.77, 8.77, 8.77) @ 1880 MHz

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

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 13.08 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.096 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.258 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.08 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.100 W/kg (SAR corrected for target medium)

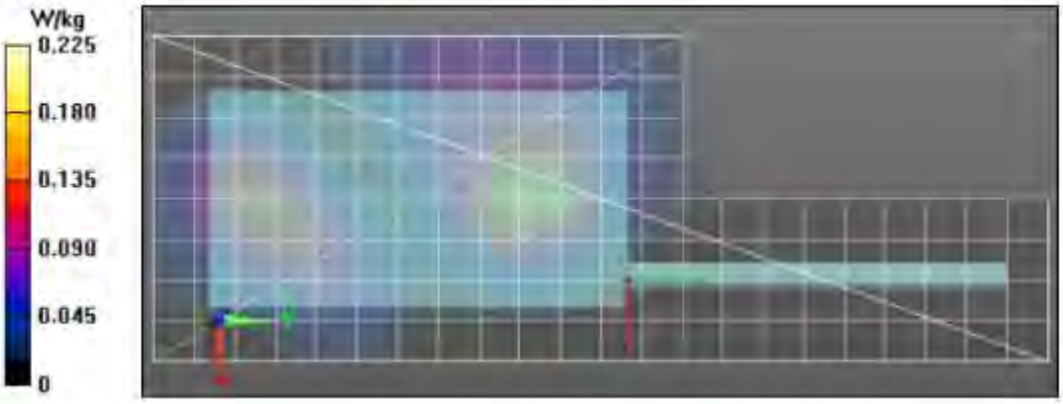
Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 56.2%

Maximum value of SAR (measured) = 0.243 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.250 W/kg



Assessment at Body - LTE B4
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 2:08:56 PM

Robot#: DASY5-PG-1 | Run#: BL-AB-220718-10

Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	20.5 (C)
Serial#:	734TYM0065
Antenna:	AN000346A01
Test Freq:	1732.5000 (MHz)
Battery:	PMNN4803A
Carry Acc:	PMLN8126A w/ PMLN7008A
Audio Acc:	None
Start Power:	0.188 (W)

Comments:

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,

Medium parameters used: f = 1733 MHz; σ = 1.37 S/m; ε_r = 38.9; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 1732.5 MHz, ConvF(8.92, 8.92, 8.92) @ 1732.5 MHz

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

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 10.13 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.091 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.209 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.13 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.093 W/kg (SAR corrected for target medium)

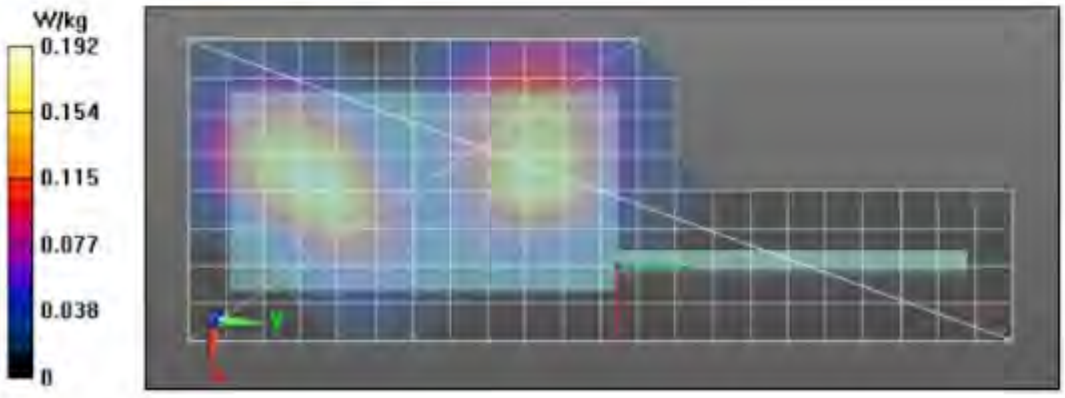
Smallest distance from peaks to all points 3 dB below = 18.1 mm

Ratio of SAR at M2 to SAR at M1 = 61.9%

Maximum value of SAR (measured) = 0.205 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.207 W/kg



Assessment at Body - LTE B5
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 5:36:56 PM

Robot#: DASY5-PG-1 | Rim#: BL-AB-220718-14
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1050
Tissue Temp: 20.8 (C)
Serial#: 734TYM0065
Antenna: AN000343A01
Test Freq: 836.5000 (MHz)
Battery: PMNN4804A
Carry Acc: PMLN8126A w/ PMLN4651A
Audio Acc: None
Start Power: 0.221 (W)

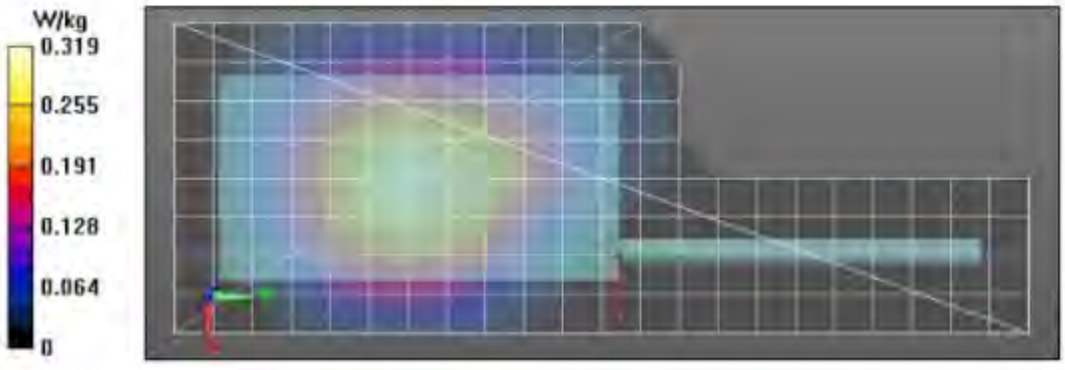
Comments:

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,
Medium parameters used: f = 837 MHz; σ = 0.94 S/m; ε_r = 40.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 836.5 MHz, ConvF(10.49, 10.49, 10.49) @ 836.5 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.01 V/m; Power Drift = -0.21 dB
Fast SAR: SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.178 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.322 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.01 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.345 W/kg
SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.196 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 = 75.7%
Maximum value of SAR (measured) = 0.317 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.318 W/kg



Assessment at Body - LTE B7
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 12:49:03 AM

Robot#: DASY5-PG-01 | Run#: FZ-AB-2220718-01#
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1050
Tissue Temp: 21.3 (C)
Serial#: 734TYM0065
Antenna: AN000415A01
Test Freq: 2510.0000 (MHz)
Battery: PMNN4805A
Carry Acc: PMLN8126A w/ PMLN7008A
Audio Acc: None
Start Power: 0.178 (W)

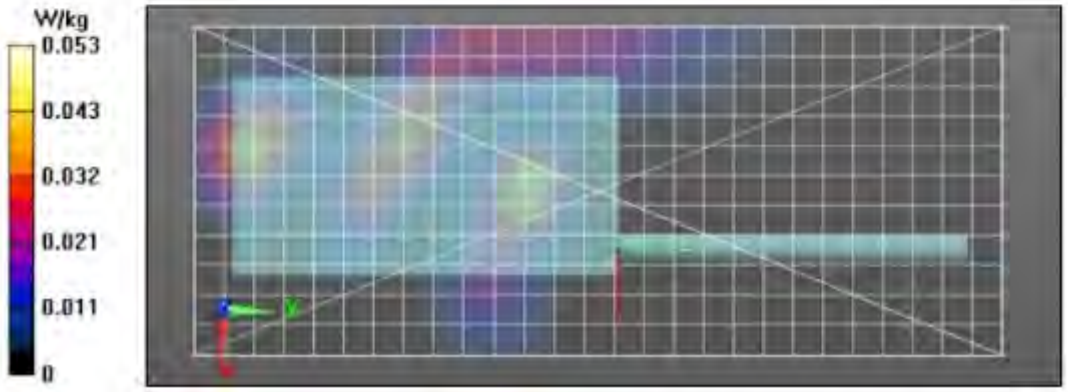
Comments:

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,
Medium parameters used: f = 2510 MHz; σ = 1.8 S/m; ε_r = 36; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 2510 MHz, ConvF(7.87, 7.87, 7.87) @ 2510 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (111x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.277 V/m; Power Drift = -0.55 dB
Fast SAR: SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.021 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0955 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.277 V/m; Power Drift = -0.41 dB
Peak SAR (extrapolated) = 0.0760 W/kg
SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.018 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 = 48.4%
Maximum value of SAR (measured) = 0.0600 W/kg

2-3 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0627 W/kg



Assessment at Body - LTE B12
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 7:22:36 PM

Robot#: DASY5-PG-1 | Run#:	FZ-AB-220718-16
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	20.8 (C)
Serial#:	734TYM0065
Antenna:	AN000343A01
Test Freq:	707.5000 (MHz)
Battery:	PMNN4805A
Carry Acc:	PMLN8126A w/ PMLN4651A
Audio Acc:	None
Start Power:	0.256 (W)

Comments: 1 RB, 10MHz BW, QPSK, Offset: Mid

Communication System Band: Band 12, E-UTRA/FDD (699.0 - 716.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,

Medium parameters used: f = 708 MHz; σ = 0.9 S/m; ε_r = 40.6; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 707.5 MHz, ConvF(11.05, 11.05, 11.05) @ 707.5 MHz

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

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 15.95 V/m, Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.140 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.246 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.95 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.153 W/kg (SAR corrected for target medium)

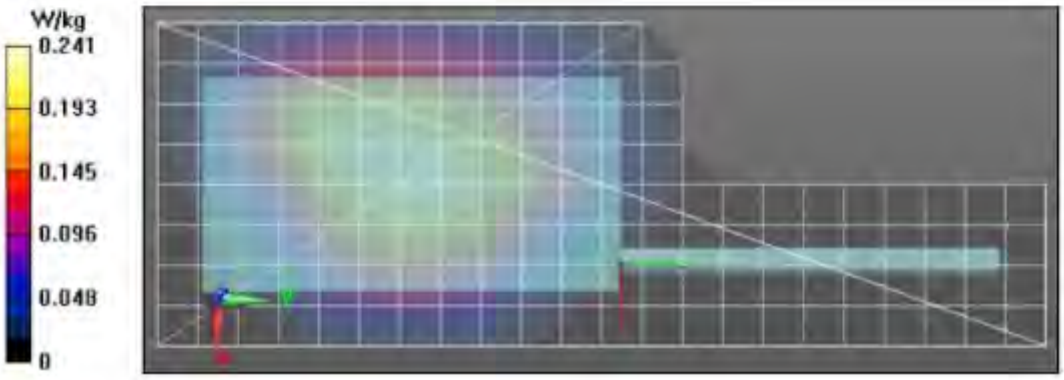
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 76.5%

Maximum value of SAR (measured) = 0.243 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.244 W/kg



Assessment at Body - LTE B13
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 8:05:00 PM

Robot#: DASY5-PG-1 | Run#: FZ-AB-220718-17

Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	20.8 (C)
Serial#:	734TYM0065
Antenna:	AN000343A01
Test Freq:	782.0000 (MHz)
Battery:	PMNN4803A
Carry Acc:	PMLN8126A w/ PMLN4651A
Audio Acc:	None
Start Power:	0.218 (W)

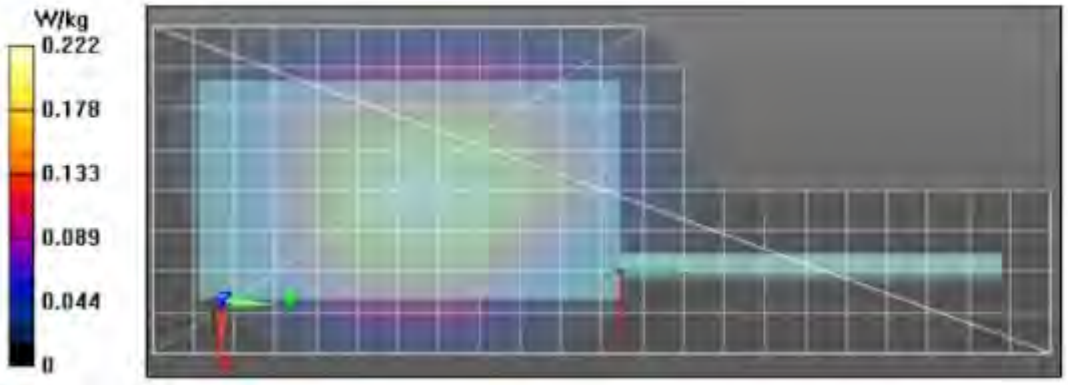
Comments: 1 RB, 10MHz BW, QPSK, Offset: Mid

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,
Medium parameters used: f = 782 MHz; σ = 0.92 S/m; ε_r = 40.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 782 MHz, ConvF(11.05, 11.05, 11.05) @ 782 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.76 V/m; Power Drift = -0.15 dB
Fast SAR: SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.126 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.225 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.76 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.241 W/kg
SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.138 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 = 75.9%
Maximum value of SAR (measured) = 0.223 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.222 W/kg



Assessment at Body - LTE B14
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 10:07:47 PM

Robot#: DASY5-PG-1 | Run#: FZ-AB-220718-18
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1050
Tissue Temp: 21.0 (C)
Serial#: 734TYM0065
Antenna: AN000343A01
Test Freq: 793.0000 (MHz)
Battery: PMNN4803A
Carry Acc: PMLN8126A w/ PMLN4651A
Audio Acc: None
Start Power: 0.221 (W)

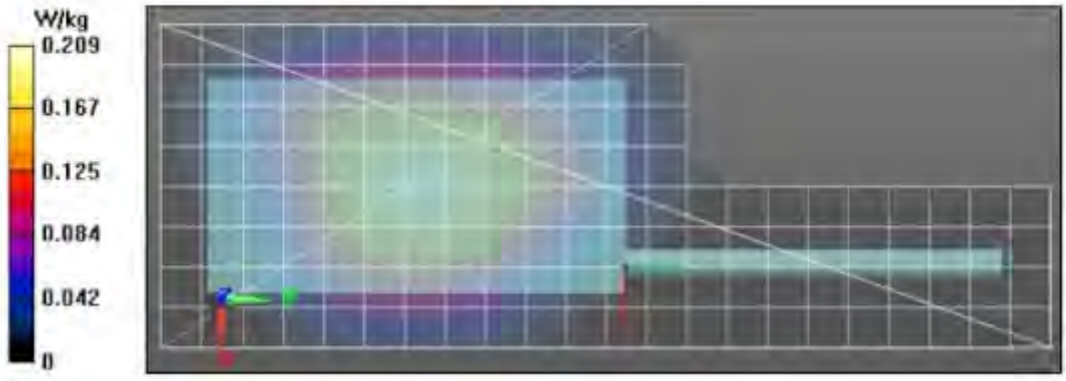
Comments: 1 RB, 10MHz BW, QPSK, Offset: Mid

Communication System Band: Band 14, E-UTRA/FDD (788.0 - 798.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,
Medium parameters used: f = 793 MHz, σ = 0.93 S/m; ε_r = 40.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 793 MHz, ConvF(11.05, 11.05, 11.05) @ 793 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.21 V/m; Power Drift = -0.21 dB
Fast SAR: SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.118 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.212 W/kg

Below 2 GHz-Rev.3/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.21 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.228 W/kg
SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.130 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 = 75.8%
Maximum value of SAR (measured) = 0.210 W/kg

Below 2 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.212 W/kg



Assessment at Body - LTE B30
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 9:04:33 AM

Robot#: DASY5-PG-01 | Run#: BL-AB-2220718-06#
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1050
Tissue Temp: 21.4 (C)
Serial#: 734TYM0065
Antenna: AN000346A01
Test Freq: 2310.0000 (MHz)
Battery: PMNN4804A
Carry Acc: PMLN8126A w/ PMLN7008A
Audio Acc: None
Start Power: 0.172 (W)

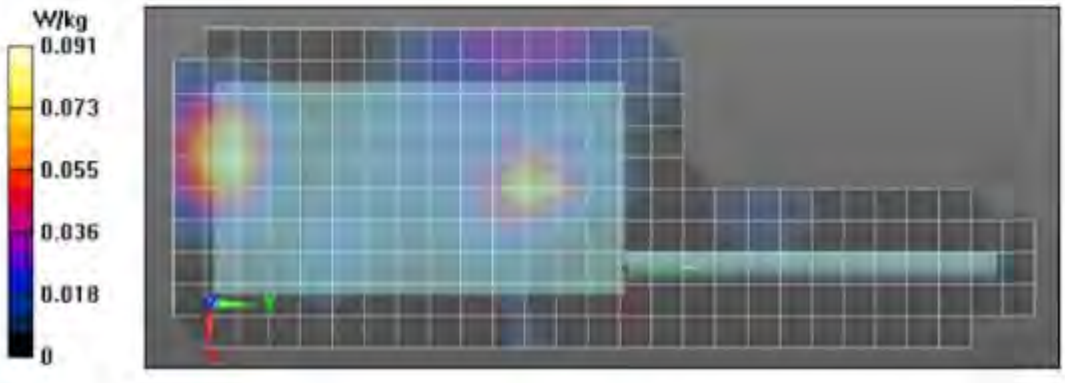
Comments:

Communication System Band: Band 30, E-UTRA/FDD (2305.0 - 2315.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,
Medium parameters used: f = 2310 MHz; σ = 1.66 S/m; ε_r = 36.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 2310 MHz, ConvF(8.45, 8.45, 8.45) @ 2310 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (111x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 5.392 V/m; Power Drift = -0.13 dB
Fast SAR: SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.034 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.100 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.392 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.118 W/kg
SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.035 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 = 56.1%
Maximum value of SAR (measured) = 0.0982 W/kg

2-3 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0982 W/kg



Assessment at Body - LTE B48
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/19/2022 4:57:03 PM

Robot#: DASY5-PG-1 | Run#:	BL-AB-220719-07
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	20.2 (C)
Serial#:	734TYM0065
Antenna:	AN000343A01
Test Freq:	3646.7000 (MHz)
Battery:	PMNN4803A
Carry Acc:	PMLN8127A w/ PMLN5409A
Audio Acc:	None
Start Power:	0.184 (W)

Comments: Full Scan

Communication System Band: Band 48, E-UTRA/TDD (3550.0 - 3700.0 MHz), Communication System UID: 10435 - AAF, Duty Cycle: 1:6.05899,

Medium parameters used: f = 3647 MHz; σ = 2.76 S/m; ε_r = 35.9; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 3646.7 MHz, ConvF(7.03, 7.03, 7.03) @ 3646.7 MHz

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

3-4 GHz-Rev.5/Full Ab Scan/1-Area Scan (101x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 3.460 V/m; Power Drift = 0.28 dB

Fast SAR: SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.016 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0676 W/kg

3-4 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 3.460 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0980 W/kg

SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.017 W/kg (SAR corrected for target medium)

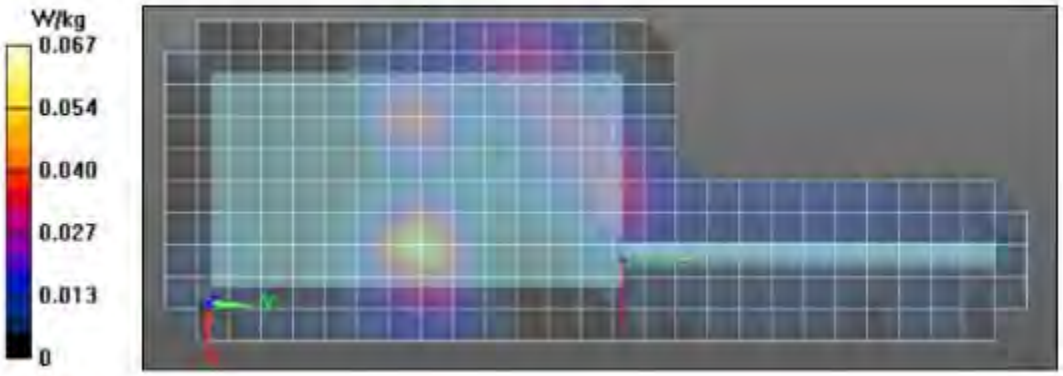
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 57.2%

Maximum value of SAR (measured) = 0.0710 W/kg

3-4 GHz-Rev.5/Full Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.0728 W/kg



Assessment at Body - WLAN 2.4GHz
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/12/2022 8:27:47 PM

Robot#: DASY5-PG-01 | Run#: BL-AB-220712-11
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1050
Tissue Temp: 20.8 (C)
Serial#: 734TYM0065
Antenna: AN000415A01
Test Freq: 2437.0000 (MHz)
Battery: PMNN4805A
Carry Acc: PMLN8126A w/ PMLN7008A
Audio Acc: None
Start Power: 0.0351 (W)

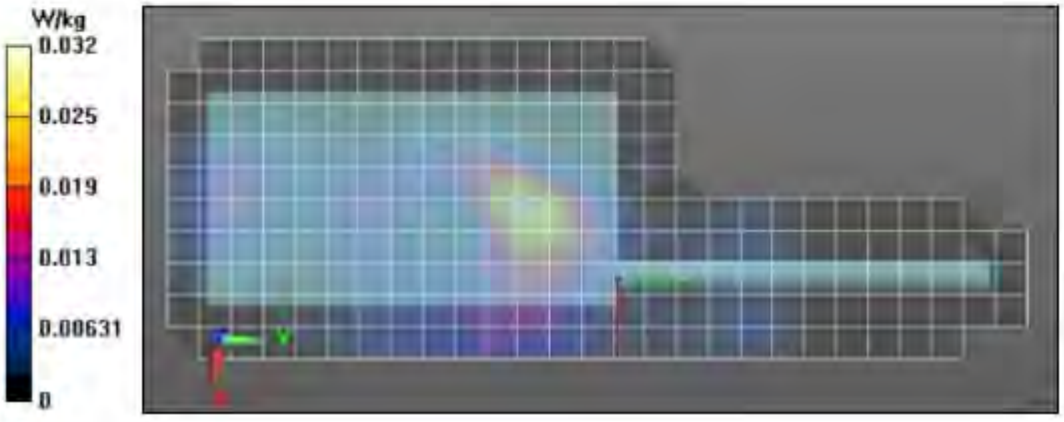
Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.4243,
Medium parameters used: f = 2437 MHz; σ = 1.78 S/m; ε_r = 36.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 2437 MHz, ConvF(8.13, 8.13, 8.13) @ 2437 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (101x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.046 V/m; Power Drift = -0.34 dB
Fast SAR: SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.012 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0363 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.046 V/m; Power Drift = -0.39 dB
Peak SAR (extrapolated) = 0.0470 W/kg
SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.010 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 = 41.3%
Maximum value of SAR (measured) = 0.0359 W/kg

2-3 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0344 W/kg



Assessment at Body - WLAN UNII-2A
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/12/2022 4:05:40 PM

Robot#: DASY5-PG-1 | Run#:	ZZ-AB-220912-02
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1037
Tissue Temp:	21.5 (C)
Serial#:	734TYM0065
Antenna:	AN000345A01
Test Freq:	5290.0000 (MHz)
Battery:	PMNN4804A
Carry Acc:	PMLN8126A w/ PMLN7008A
Audio Acc:	None
Start Power:	0.0218 (W)

Comments: Shortened scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10626 - AAB, Duty Cycle: 1:7.6366,

Medium parameters used: f = 5290 MHz; σ = 4.38 S/m; ε_r = 34.6; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5290 MHz, ConvF(5.66, 5.66, 5.66) @ 5290 MHz

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

4-6 GHz-Rev.5/Shortened Ab Scan/1-Area Scan (141x361x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 0.8870 V/m; Power Drift = 0.31 dB

Fast SAR: SAR(1 g) = 0.00759 W/kg; SAR(10 g) = 0.003 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0331 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.040 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.0420 W/kg

SAR(1 g) = 0.0045 W/kg; SAR(10 g) = 0.00187 W/kg (SAR corrected for target medium)

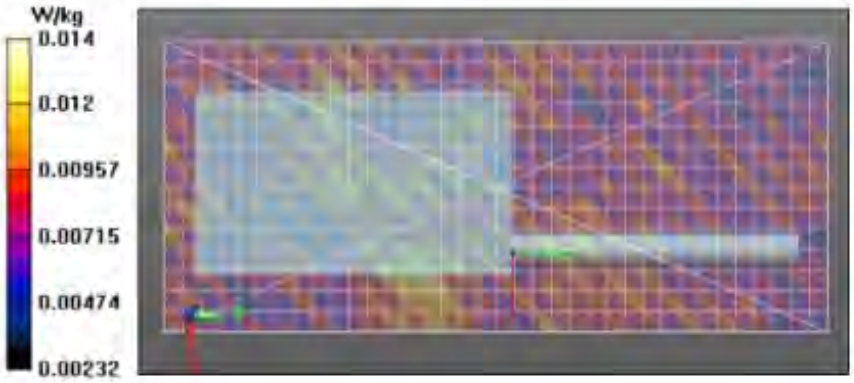
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 64%

Maximum value of SAR (measured) = 0.0166 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.00890 W/kg



Assessment at Body - WLAN UNII-2C
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/13/2022 11:05:37 AM

Robot#: DASY5-PG-1 | Run#:	ZZ--AB-220913-05#
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1037
Tissue Temp:	21.5 (C)
Serial#:	734TYM0065
Antenna:	AN000415A01
Test Freq:	5610.0000 (MHz)
Battery:	PMNN4804A
Carry Acc:	PMLN8126A w/ PMLN4651A
Audio Acc:	None
Start Power:	0.0319 (W)

Comments: Shortened scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10626 - AAC, Duty Cycle: 1:7.6366,

Medium parameters used: f = 5610 MHz; σ = 4.64 S/m; ε_r = 32.5; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5610 MHz, ConvF(5.08, 5.08, 5.08) @ 5610 MHz

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

4-6 GHz-Rev.5/Shortened Ab Scan/1-Area Scan (141x361x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 2.481 V/m; Power Drift = -2.29 dB

Fast SAR: SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00635 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0365 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.267 V/m; Power Drift = -1.01 dB

Peak SAR (extrapolated) = 0.0590 W/kg

SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00559 W/kg (SAR corrected for target medium)

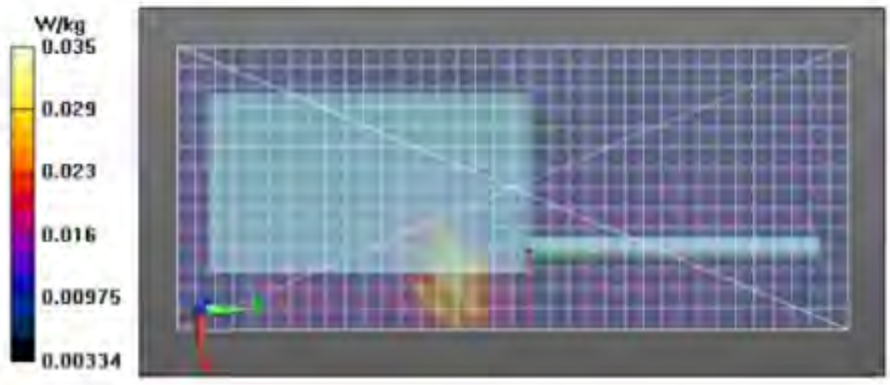
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 38.5%

Maximum value of SAR (measured) = 0.0349 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.0219 W/kg



Assessment at Body - WLAN UNII-3
Table 18

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/20/2022 1:05:30 PM

Robot#: DASY5-PG-1 | Run#:	BL-AB-220720-07
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	21.1 (C)
Serial#:	734TYM0065
Antenna:	AN000345A01
Test Freq:	5775.0000 (MHz)
Battery:	PMNN4804A
Carry Acc:	PMLN8126A w/ PMLN7008A
Audio Acc:	None
Start Power:	0.0316 (W)

Comments: Shorten Scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10626 - AAC, Duty Cycle: 1:7.6366,

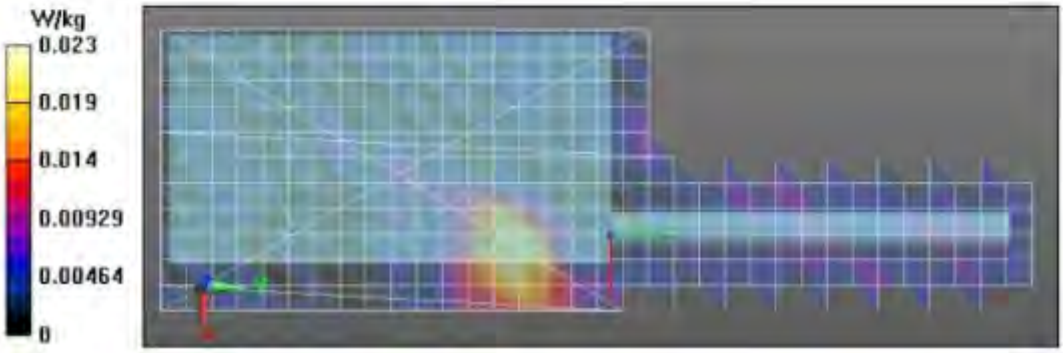
Medium parameters used: f = 5775 MHz; σ = 5.06 S/m; ε_r = 32.7; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5775 MHz, ConvF(5.11, 5.11, 5.11) @ 5775 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Shortened Ab Scan/1-Area Scan (111x341x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm
Reference Value = 2.306 V/m; Power Drift = -0.22 dB
Fast SAR: SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00464 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0348 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/2-Zoom Scan (10x10x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.964 V/m; Power Drift = -0.29 dB
Peak SAR (extrapolated) = 0.0470 W/kg
SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00705 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 = 43.2%
Maximum value of SAR (measured) = 0.0254 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0128 W/kg



Assessment at Face - LMR 806 - 824MHz
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/11/2022 9:27:48 PM

Robot#: DASY5-PG-1 | Run#:	BL-FACE-220711-09
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1028
Tissue Temp:	21.5 (C)
Serial#:	734TYM0038
Antenna:	AN000415A01
Test Freq:	824.0000 (MHz)
Battery:	PMNN4805A
Carry Acc:	@ front
Audio Acc:	N/A
Start Power:	2.68 (W)

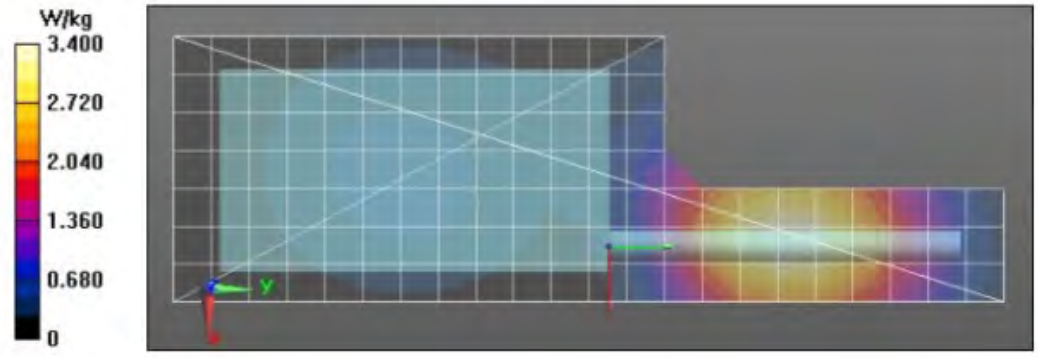
Comments:

Communication System Band: Mackenzie, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 824 MHz; σ = 0.92 S/m; ε_r = 42.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 824 MHz, ConvF(10.49, 10.49, 10.49) @ 824 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 61.53 V/m; Power Drift = -0.37 dB
Fast SAR: SAR(1 g) = 2.74 W/kg; SAR(10 g) = 1.92 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.46 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 61.53 V/m; Power Drift = -0.39 dB
Peak SAR (extrapolated) = 3.69 W/kg
SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.97 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 = 73%
Maximum value of SAR (measured) = 3.37 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.31 W/kg



Assessment at Face - LMR 851 - 869MHz
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/11/2022 2:01:31 PM

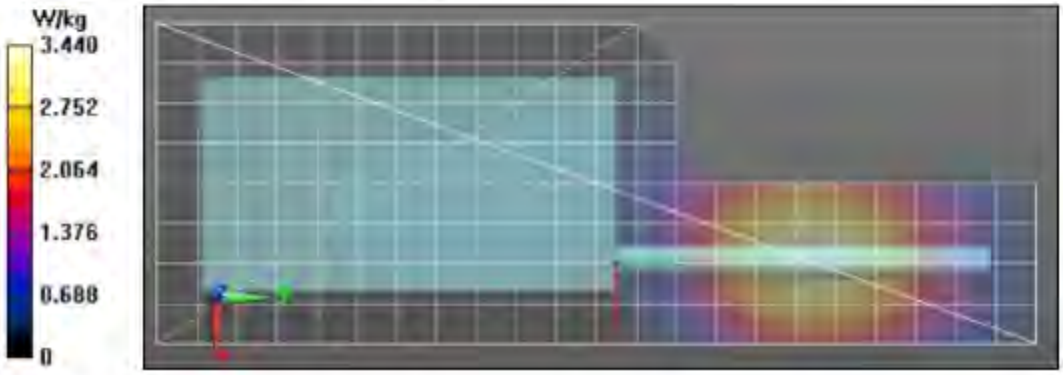
Robot#: DASY5-PG-1 | Run#:	FZ-FACE-220711-05
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1028
Tissue Temp:	21.2(C)
Serial#:	734TYM0065
Antenna:	AN000415A01
Test Freq:	851.0000(MHz)
Battery:	PMNN4803A
Carry Acc:	@ front
Audio Acc:	N/A
Start Power:	2.70(W)
Comments:	

Communication System Band: Mackenzie, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 851 MHz; σ = 0.95 S/m; ε_r = 41.8; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 851 MHz, ConvF(10.49, 10.49, 10.49) @ 851 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 61.93 V/m; Power Drift = -0.36 dB
Fast SAR: SAR(1 g) = 2.75 W/kg; SAR(10 g) = 1.92 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.49 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 61.93 V/m; Power Drift = -0.38 dB
Peak SAR (extrapolated) = 3.73 W/kg
SAR(1 g) = 2.72 W/kg; SAR(10 g) = 1.97 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 = 72.6%
Maximum value of SAR (measured) = 3.40 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.40 W/kg



Assessment at Face - LMR 896 - 901MHz
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/11/2022 10:04:03 PM

Robot#: DASY5-PG-1 | Run#:	BL-FACE-220711-10
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1028
Tissue Temp:	21.5 (C)
Serial#:	734TYM0065
Antenna:	AN000415A01
Test Freq:	901.0000 (MHz)
Battery:	PMNN4803A
Carry Acc:	@ front
Audio Acc:	N/A
Start Power:	2.80 (W)

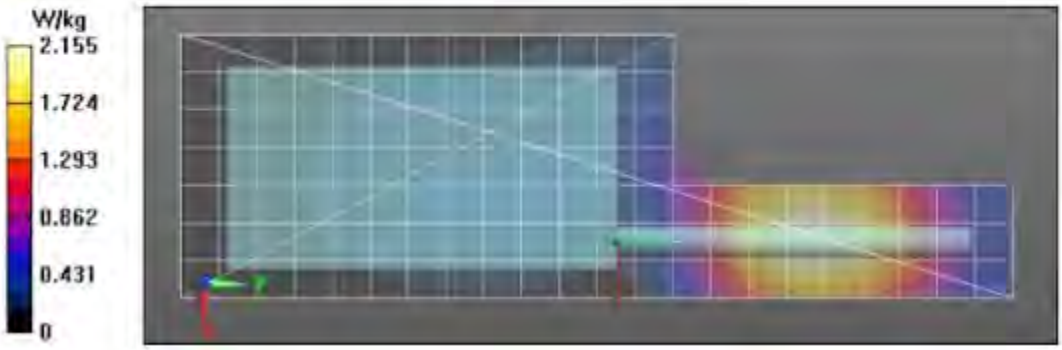
Comments:

Communication System Band: Mackenzie, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 901 MHz; σ = 1 S/m; ε_r = 41.2; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 901 MHz, ConvF(10.26, 10.26, 10.26) @ 901 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 54.66 V/m; Power Drift = -0.52 dB
Fast SAR: SAR(1 g) = 1.75 W/kg; SAR(10 g) = 1.22 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.22 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.66 V/m; Power Drift = -0.63 dB
Peak SAR (extrapolated) = 2.88 W/kg
SAR(1 g) = 2.07 W/kg; SAR(10 g) = 1.48 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 = 71.2%
Maximum value of SAR (measured) = 2.61 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.57 W/kg



Assessment at Face - LMR 935 – 940MHz
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/12/2022 11:44:01 AM

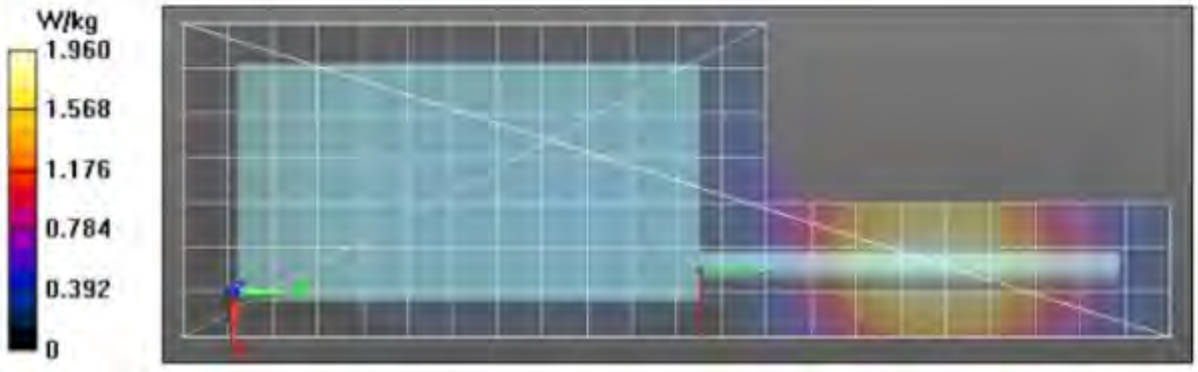
Robot#: DASY5-PG-1 | Run#: FZ-FACE-220712-06
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1028
Tissue Temp: 21.8 (C)
Serial#: 734TYM0038
Antenna: AN000415A01
Test Freq: 935.0000(MHz)
Battery: PMNN4803A
Carry Acc: @ front
Audio Acc: N/A
Start Power: 2.48 (W)
Comments:

Communication System Band: Mackenzie, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 935 MHz; σ = 1.01 S/m; ε_r = 39.7; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 935 MHz, ConvF(10.26, 10.26, 10.26) @ 935 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 47.43 V/m; Power Drift = -0.59 dB
Fast SAR: SAR(1 g) = 1.58 W/kg; SAR(10 g) = 1.1 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.02 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.43 V/m; Power Drift = -0.71 dB
Peak SAR (extrapolated) = 2.04 W/kg
SAR(1 g) = 1.45 W/kg; SAR(10 g) = 1.02 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 = 70.7%
Maximum value of SAR (measured) = 1.84 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.80 W/kg



Assessment at Face - LTE B2
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/17/2022 4:20:46 PM

Robot#: DASY5-PG-1 | Run#: MFR(AMF)-FACE-220717-11
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1050
Tissue Temp: 21.4 (C)
Serial#: 734TYM0065
Antenna: AN000415A01
Test Freq: 1860.0000 (MHz)
Battery: PMNN4804A
Carry Acc: None, Radio @ front 2.5cm
Audio Acc: None
Start Power: 0.236 (W)

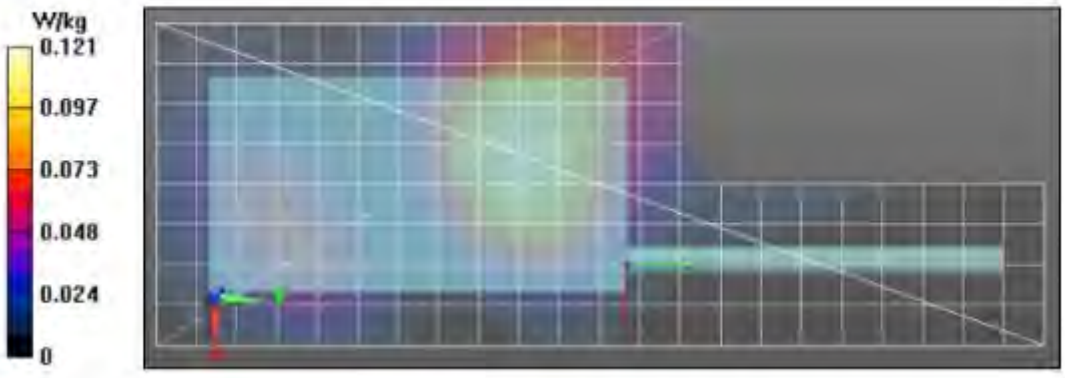
Comments:

Communication System Band: Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,
Medium parameters used: f = 1860 MHz; σ = 1.4 S/m; ε_r = 38.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 1860 MHz, ConvF(8.77, 8.77, 8.77) @ 1860 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.849 V/m; Power Drift = -0.06 dB
Fast SAR: SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.057 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.126 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.849 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.149 W/kg
SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.061 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 = 61.7%
Maximum value of SAR (measured) = 0.128 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.127 W/kg



Assessment at Face - LTE B4
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 3:01:26 PM

Robot#: DASY5-PG-1 | Run#:	BL-FACE-220718-11
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	20.5 (C)
Serial#:	734TYM0065
Antenna:	AN000346A01
Test Freq:	1732.5000 (MHz)
Battery:	PMNN4805A
Carry Acc:	None, Radio @ front 2.5cm
Audio Acc:	None
Start Power:	0.181 (W)

Comments:

Communication System Band: Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz), Communication System UID: 10297 - AAD, Duty Cycle: 1:3.80978,

Medium parameters used: f = 1733 MHz; σ = 1.37 S/m; ε_r = 38.9; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 1732.5 MHz, ConvF(8.92, 8.92, 8.92) @ 1732.5 MHz

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

Below 2 GHz-Rev.3/Face scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 8.781 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.051 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.111 W/kg

Below 2 GHz-Rev.3/Face scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.781 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.128 W/kg

SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.053 W/kg (SAR corrected for target medium)

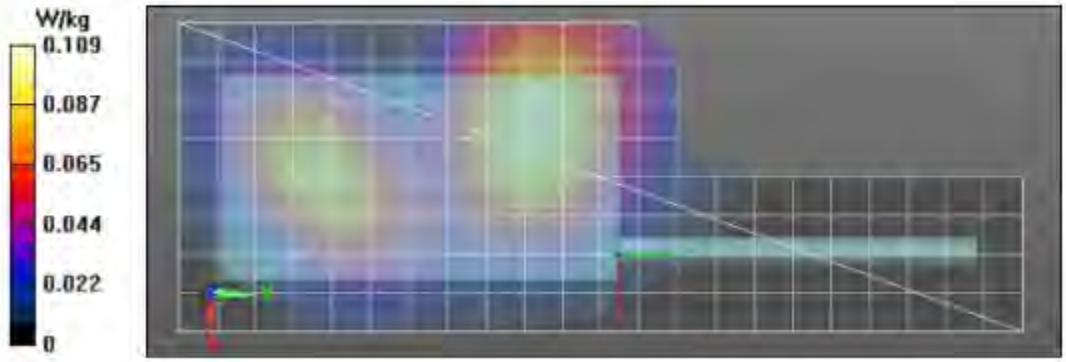
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 62.2%

Maximum value of SAR (measured) = 0.112 W/kg

Below 2 GHz-Rev.3/Face scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.111 W/kg



Assessment at Face - LTE B5
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 6:13:58 PM

Robot#: DASY5-PG-1 | Run#:	BL-FACE-220718-15
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	20.8 (C)
Serial#:	734TYM0065
Antenna:	AN000343A01
Test Freq:	836.5000 (MHz)
Battery:	PMNN4804A
Carry Acc:	None, Radio @ front 2.5cm
Audio Acc:	None
Start Power:	0.221 (W)

Comments:

Communication System Band: Band 5, E-UTRA/FDD (824.0 - 849.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,

Medium parameters used: f = 837 MHz; σ = 0.94 S/m; ε_r = 40.2; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 836.5 MHz, ConvF(10.49, 10.49, 10.49) @ 836.5 MHz

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

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 12.56 V/m; Power Drift = -0.19 dB

Fast SAR: SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.117 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.210 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.56 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.128 W/kg (SAR corrected for target medium)

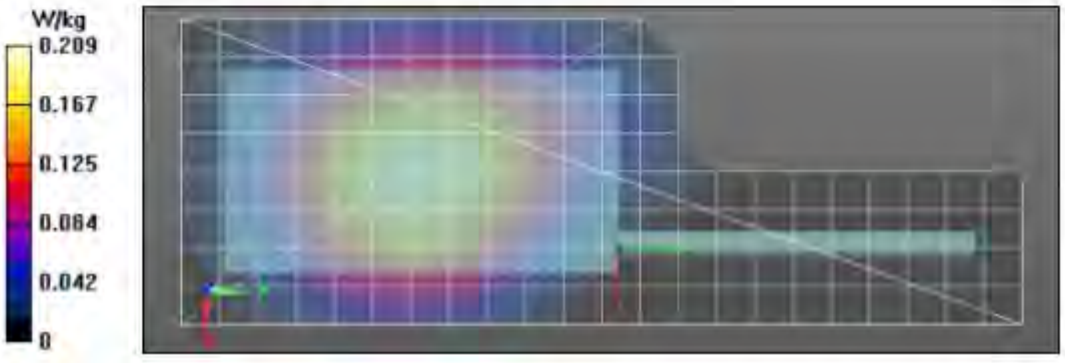
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 74.6%

Maximum value of SAR (measured) = 0.209 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.209 W/kg



Assessment at Face - LTE B7
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 1:57:46 AM

Robot#: DASY5-PG-01 | Run#: FZ-FACE-2220718-02#
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1050
Tissue Temp: 21.3 (C)
Serial#: 734TYM0065
Antenna: AN000415A01
Test Freq: 2510.0000 (MHz)
Battery: PMNN4805A
Carry Acc: None, Radio @ front 2.5cm
Audio Acc: None
Start Power: 0.178 (W)

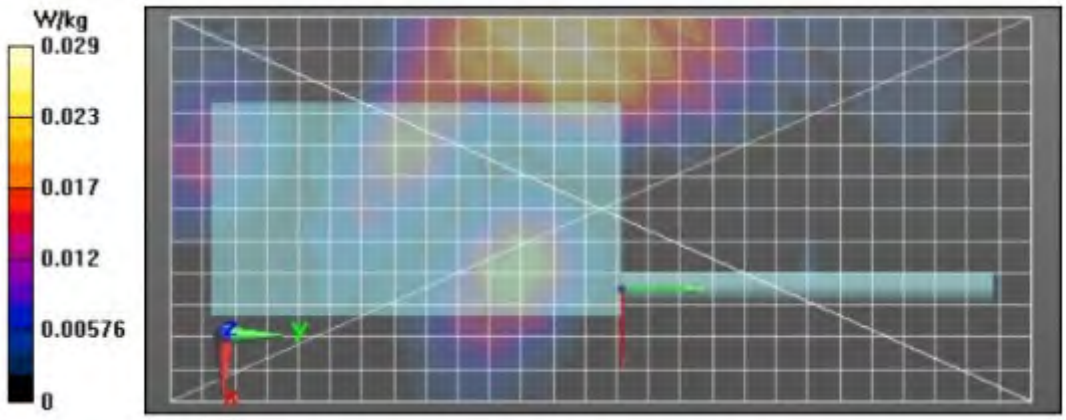
Comments:

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,
Medium parameters used: f = 2510 MHz; σ = 1.8 S/m; ε_r = 36; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 2510 MHz, ConvF(7.87, 7.87, 7.87) @ 2510 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (121x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.861 V/m; Power Drift = -0.38 dB
Fast SAR: SAR(1 g) = 0.022 W/kg; SAR(10 g) = 0.011 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0439 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.861 V/m; Power Drift = -0.39 dB
Peak SAR (extrapolated) = 0.0320 W/kg
SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00849 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 = 51.6%
Maximum value of SAR (measured) = 0.0255 W/kg

2-3 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0241 W/kg



Assessment at Face - LTE B12
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 10:41:26 PM

Robot#: DASY5-PG-1 | Run#:	FZ-FACE-220718-19
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	20.9 (C)
Serial#:	734TYM0065
Antenna:	AN000343A01
Test Freq:	707.5000 (MHz)
Battery:	PMNN4805A
Carry Acc:	None, Radio @ front 2.5cm
Audio Acc:	None
Start Power:	0.256 (W)

Comments: 1 RB, 10MHz BW, QPSK, Offset: Mid

Communication System Band: Band 12, E-UTRA/FDD (699.0 - 716.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,

Medium parameters used: f = 708 MHz; σ = 0.9 S/m; ε_r = 40.6; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 707.5 MHz, ConvF(11.05, 11.05, 11.05) @ 707.5 MHz

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

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 14.21 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.124 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.217 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.21 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.235 W/kg

SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.135 W/kg (SAR corrected for target medium)

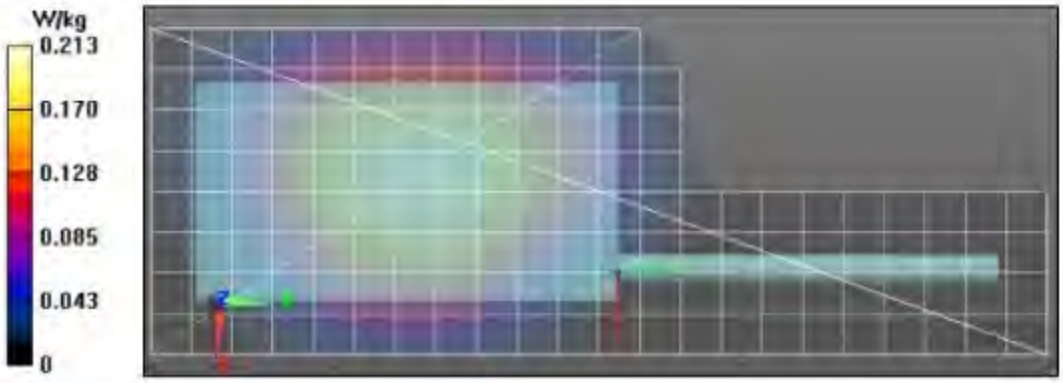
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 76.1%

Maximum value of SAR (measured) = 0.216 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.218 W/kg



Assessment at Face - LTE B13
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 11:16:40 PM

Robot#: DASY5-PG-1 | Run#:	FZ-FACE-220718-20
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	20.9 (C)
Serial#:	734TYM0065
Antenna:	AN000343A01
Test Freq:	782.0000 (MHz)
Battery:	PMNN4805A
Carry Acc:	None, Radio @ front 2.5cm
Audio Acc:	None
Start Power:	0.218 (W)

Comments: 1 RB, 10MHz BW, QPSK, Offset: Mid

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,

Medium parameters used: f = 782 MHz; σ = 0.92 S/m; ε_r = 40.4; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 782 MHz, ConvF(11.05, 11.05, 11.05) @ 782 MHz

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

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 11.42 V/m; Power Drift = -0.10 dB

Fast SAR: SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.083 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.147 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.42 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.091 W/kg (SAR corrected for target medium)

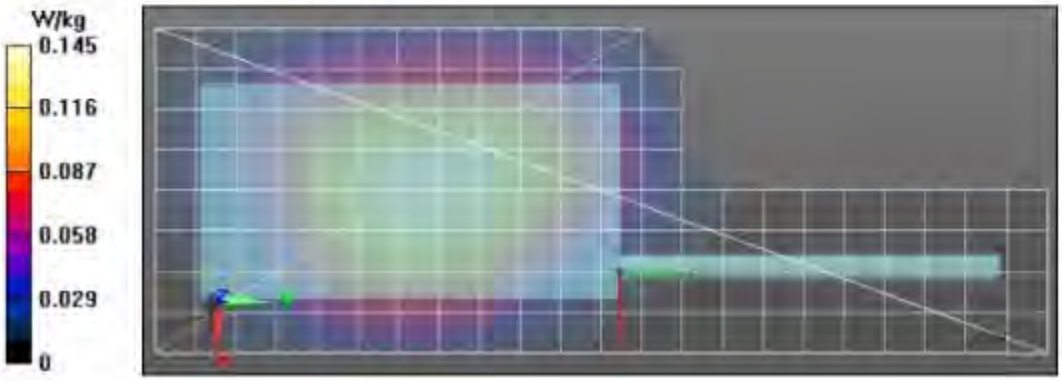
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 74.5%

Maximum value of SAR (measured) = 0.148 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.148 W/kg



Assessment at Face - LTE B14
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/19/2022 12:28:54 AM

Robot#: DASY5-PG-1 | Run#:	FZ-FACE-220719-01#
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	20.9 (C)
Serial#:	734TYM0065
Antenna:	AN000343A01
Test Freq:	793.0000 (MHz)
Battery:	PMNN4805A
Carry Acc:	None, Radio @ front 2.5cm
Audio Acc:	None
Start Power:	0.221 (W)

Comments: 1 RB, 10MHz BW, QPSK, Offset: Mid

Communication System Band: Band 14, E-UTRA/FDD (788.0 - 798.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,

Medium parameters used: f = 793 MHz; σ = 0.93 S/m; ε_r = 40.4; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 793 MHz, ConvF(11.05, 11.05, 11.05) @ 793 MHz

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

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 11.49 V/m; Power Drift = -0.10 dB

Fast SAR: SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.082 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.145 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.49 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.089 W/kg (SAR corrected for target medium)

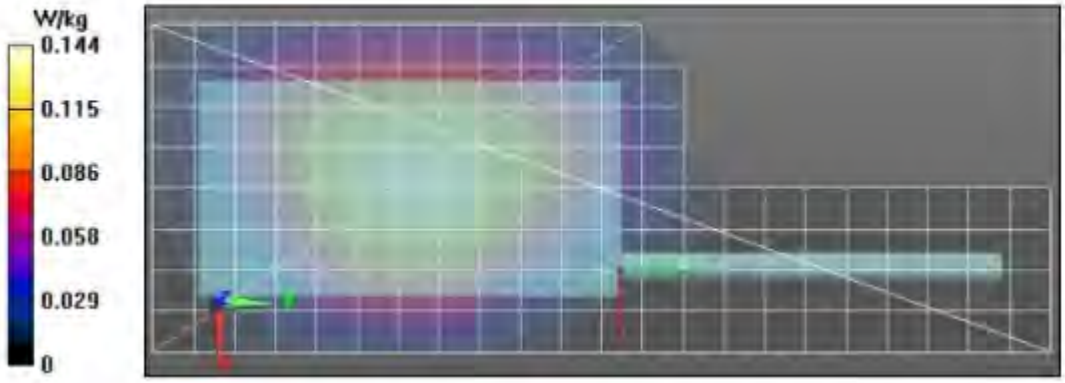
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 74.7%

Maximum value of SAR (measured) = 0.145 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.146 W/kg



Assessment at Face - LTE B30
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/18/2022 10:49:59 AM

Robot#: DASY5-PG-01 | Run#: BL-FACE-2220718-08#
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1050
Tissue Temp: 21.4 (C)
Serial#: 734TYM0065
Antenna: AN000346A01
Test Freq: 2310.0000 (MHz)
Battery: PMNN4805A
Carry Acc: None, Radio @ front 2.5cm
Audio Acc: None
Start Power: 0.166 (W)

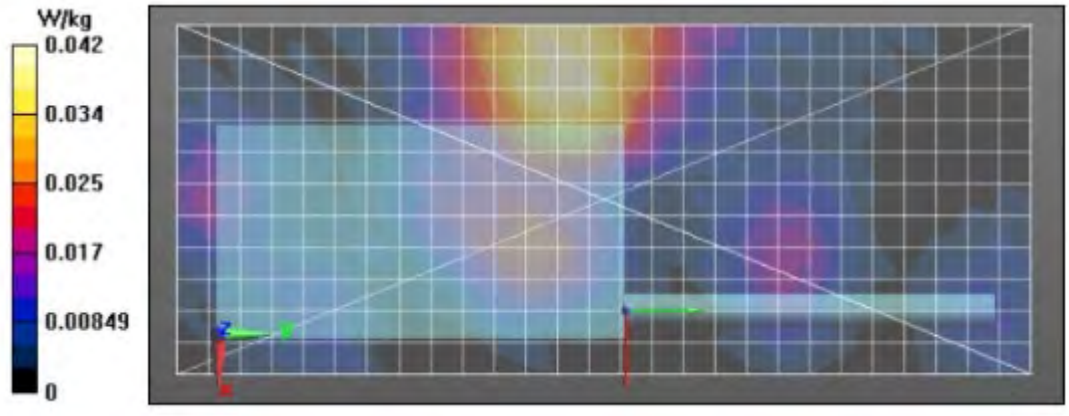
Comments:

Communication System Band: Band 30, E-UTRA/FDD (2305.0 - 2315.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,
Medium parameters used: f = 2310 MHz; σ = 1.66 S/m; ε_r = 36.4; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 2310 MHz, ConvF(8.45, 8.45, 8.45) @ 2310 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (111x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 3.626 V/m; Power Drift = 0.14 dB
Fast SAR: SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.018 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0428 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.626 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 0.0530 W/kg
SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.019 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 = 56.6%
Maximum value of SAR (measured) = 0.0443 W/kg

2-3 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0441 W/kg



Assessment at Face - LTE B48
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/19/2022 3:53:56 PM

Robot#: DASY5-PG-I | Run#:	BL-FACE-220719-06
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	20.2 (C)
Serial#:	734TYM0065
Antenna:	AN000343A01
Test Freq:	3603.3000 (MHz)
Battery:	PMNN4805A
Carry Acc:	None, Radio @ front 2.5cm
Audio Acc:	None
Start Power:	0.189 (W)

Comments: Full Scan

Communication System Band: Band 48, E-UTRA/TDD (3550.0 - 3700.0 MHz), Communication System UID: 10435 - AAF, Duty Cycle: 1:6.05899,

Medium parameters used: f = 3603 MHz; σ = 2.73 S/m; ε_r = 35.9; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 3603.3 MHz, ConvF(7.03, 7.03, 7.03) @ 3603.3 MHz

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

3-4 GHz-Rev.5/Full Face Scan/1-Area Scan (101x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 4.728 V/m; Power Drift = 0.12 dB

Fast SAR: SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.017 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0553 W/kg

3-4 GHz-Rev.5/Full Face Scan/2-Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.728 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0760 W/kg

SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.018 W/kg (SAR corrected for target medium)

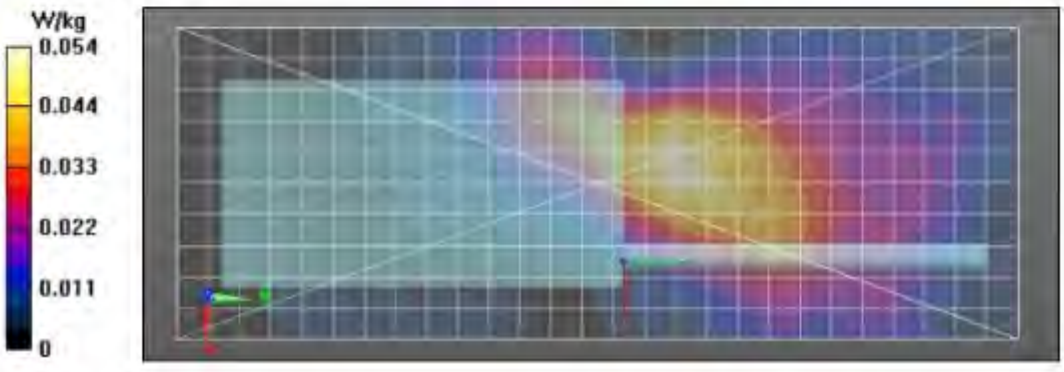
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 53.3%

Maximum value of SAR (measured) = 0.0566 W/kg

3-4 GHz-Rev.5/Full Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.0564 W/kg



Assessment at Face - WLAN 2.4GHz
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/17/2022 10:12:24 PM

Robot#: DASY5-PG-01 | Run#: FZ-FACE-2220717-13
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1050
Tissue Temp: 21.3 (C)
Serial#: 734TYM0065
Antenna: AN000415A01
Test Freq: 2462.0000 (MHz)
Battery: PMNN4803A
Carry Acc: None, Radio @ front 2.5cm
Audio Acc: None
Start Power: 0.0380 (W)

Comments:

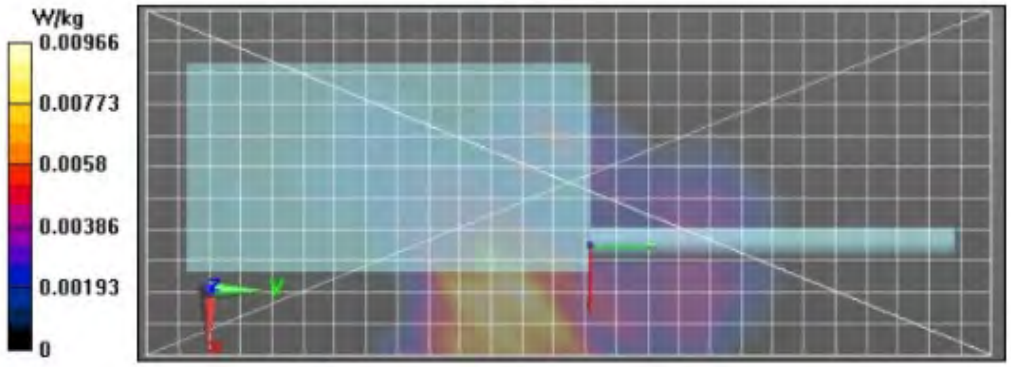
Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.4243,
Medium parameters used: f = 2462 MHz; σ = 1.77 S/m; ε_r = 36.1; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 2462 MHz, ConvF(8.13, 8.13, 8.13) @ 2462 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (111x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.026 V/m; Power Drift = -0.53 dB
Fast SAR: SAR(1 g) = 0.00799 W/kg; SAR(10 g) = 0.00397 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0182 W/kg

2-3 GHz-Rev.3/Face Scan/2-Volume 2D Scan (61x61x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm, dz=1.000 mm
Reference Value = 2.026 V/m; Power Drift = -0.82 dB
Fast SAR: SAR(1 g) = 0.00522 W/kg; SAR(10 g) = 0.00273 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0104 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (9x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.510 V/m; Power Drift = -0.45 dB
Peak SAR (extrapolated) = 0.0130 W/kg
SAR(1 g) = 0.00669 W/kg; SAR(10 g) = 0.00298 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 = 36.1%
Maximum value of SAR (measured) = 0.0110 W/kg

2-3 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.00713 W/kg



Assessment at Face - WLAN UNII-2A
Table 19

Motorola Solutions, EME Laboratory

2022-07-25, 22:33

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYM0065,FRONT, WLAN 5GHz, IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle), Channel 58 (5290.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYM0065	295.0 x 80.0 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	FRONT, 25.00	WLAN 5GHz	WLAN, 10626-AAC	5290.0, 58	5.45	4.52	38.2

Hardware Setup

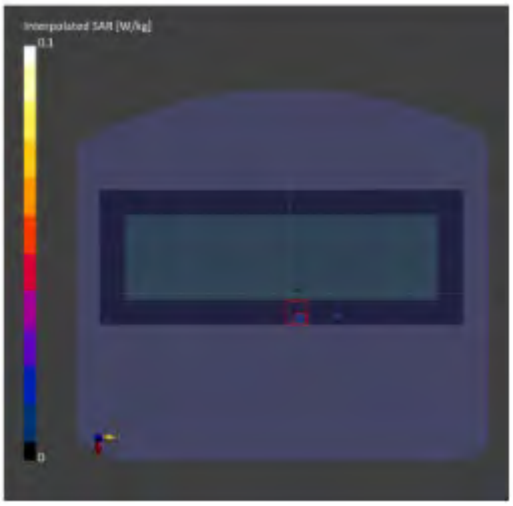
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL5250 , 2022-Jul-25	EX3DV4 - SN7594, 2022-04-26	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	126.0 x 342.0	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	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-07-25, 22:33	2022-07-25, 22:43
psSAR1g [W/Kg]	0.007	0.003
psSAR10g [W/Kg]	0.002	0
Power Drift [dB]	n/a	-3.06
TSL Correction	Positive only	Positive only
M2/M1 [%]		72.3
Dist 3dB Peak [mm]		> 14.0



Assessment at Face - WLAN UNII-2C
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/11/2022 11:39:33 AM

Robot#: DASY5-PG-1 | Run#: FZ-FACE-2200911-06
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1108
Tissue Temp: 20.2 (C)
Serial#: 734TYM0065
Antenna: AN000345A01
Test Freq: 5530.0000 (MHz)
Battery: PMNN4804A
Carry Acc: None, Radio @ front 2.5cm
Audio Acc: None
Start Power: 0.0343 (W)

Comments: Shortened scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10626 - AAB, Duty Cycle: 1:7.6366,

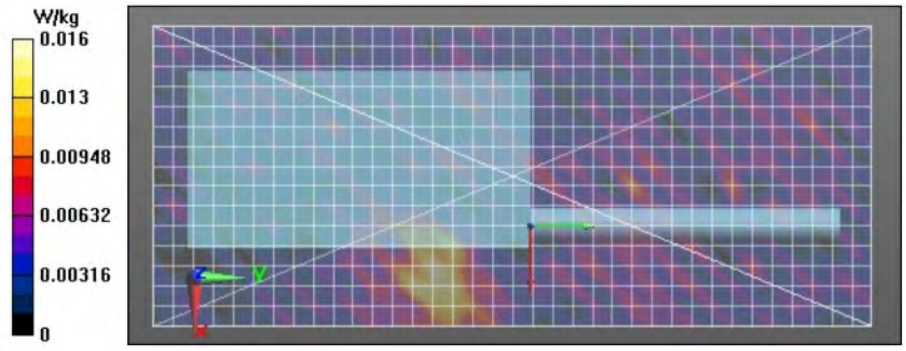
Medium parameters used: f = 5530 MHz; σ = 4.55 S/m; ε_r = 32.6; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5530 MHz, ConvF(5.19, 5.19, 5.19) @ 5530 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Shortened Face Scan/1-Area Scan (151x361x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm
Reference Value = 1.137 V/m; Power Drift = 3.30 dB
Fast SAR: SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00299 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 0.0413 W/kg

4-6 GHz-Rev.5/Shortened Face Scan/2-Zoom Scan (14x15x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.652 V/m; Power Drift = 0.38 dB
Peak SAR (extrapolated) = 0.0380 W/kg
SAR(1 g) = 0.000251 W/kg; SAR(10 g) = 2.7e-005 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 = 18.4%
Maximum value of SAR (measured) = 0.0383 W/kg

4-6 GHz-Rev.5/Shortened Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.0120 W/kg



Assessment at Face - WLAN UNII-3
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/20/2022 2:57:20 PM

Robot#: DASY5-PG-1 | Run#:	BL-FACE-220720-08
Model#:	AAH90UCU9RH1AN (PMUF5678A)
Phantom#:	ELI4 1050
Tissue Temp:	21.1 (C)
Serial#:	734TYM0065
Antenna:	AN000345A01
Test Freq:	5690.0000 (MHz)
Battery:	PMNN4804A
Carry Acc:	None, Radio @ front 2.5cm
Audio Acc:	None
Start Power:	0.0315 (W)

Comments: Shorten Scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10626 - AAC, Duty Cycle: 1:7.6366,

Medium parameters used: f = 5690 MHz; σ = 4.97 S/m; ε_r = 32.8; ρ = 1000 kg/m^3

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5690 MHz, ConvF(5.11, 5.11, 5.11) @ 5690 MHz

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

4-6 GHz-Rev.5/Shortened Face Scan/1-Area Scan (111x341x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 2.019 V/m; Power Drift = -0.75 dB

Fast SAR: SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00507 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0384 W/kg

4-6 GHz-Rev.5/Shortened Face Scan/2-Zoom Scan (10x9x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.119 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.0560 W/kg

SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00697 W/kg (SAR corrected for target medium)

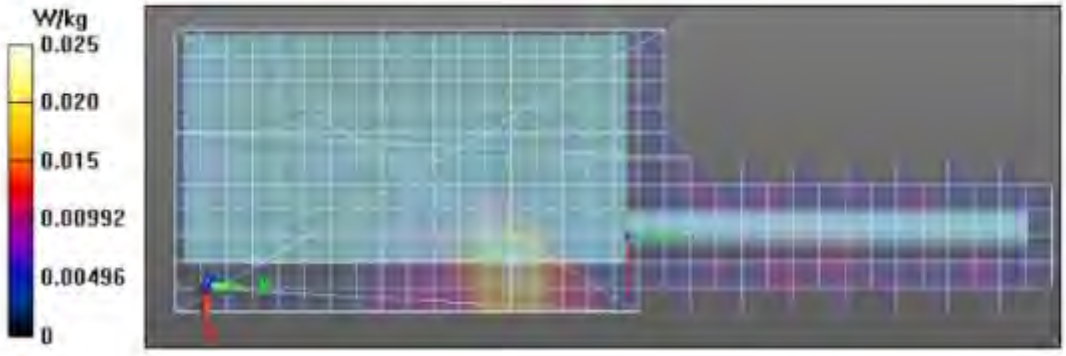
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 44.1%

Maximum value of SAR (measured) = 0.0235 W/kg

4-6 GHz-Rev.5/Shortened Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.0161 W/kg



APPENDIX F
Shorten Scan of Highest SAR Configuration

Table 20 - Shortened scan

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/19/2022 2:39:11 AM

Robot#: DASY5-PG-1 | Run#: BL-FACE-220819-03#
Model#: AAH90UCU9RH1AN (PMUF5678A)
Phantom#: ELI4 1108
Tissue Temp: 21.1 (C)
Serial#: 734TYM0065
Antenna: AN000415A01
Test Freq: 851.0000(MHz)
Battery: PMNN4803A
Carry Acc: @ front
Audio Acc: N/A
Start Power: 2.80 (W)

Comments: Shorten scan

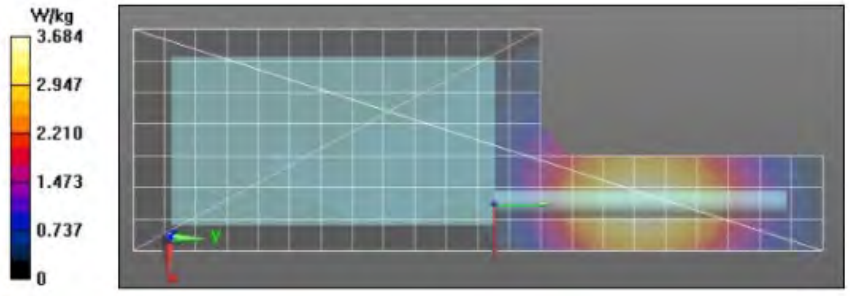
Communication System Band: Mackenzie, Communication System UID: 0, Duty Cycle: 1:1,
Medium parameters used: f = 851 MHz; σ = 0.92 S/m; ε_r = 42; ρ = 1000 kg/m^3
Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 851 MHz, ConvF(10.49, 10.49, 10.49) @ 851 MHz
Electronics: DAE4 Sn850, Calibrated: 4/14/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 64.65 V/m; Power Drift = -0.17 dB
Fast SAR: SAR(1 g) = 3.02 W/kg; SAR(10 g) = 2.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.81 W/kg

Below 2 GHz-Rev.3/Face Scan/2-Volume Scan 2D (41x41x1): Interpolated grid: dx=0.7500 mm, dy=0.7500 mm, dz=1.000 mm
Reference Value = 64.65 V/m; Power Drift = -0.19 dB
Fast SAR: SAR(1 g) = 3.14 W/kg; SAR(10 g) = 2.23 W/kg (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.89 W/kg

Below 2 GHz-Rev.3/Face Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 66.39 V/m; Power Drift = -0.35 dB
Peak SAR (extrapolated) = 3.99 W/kg
SAR(1 g) = 2.91 W/kg; SAR(10 g) = 2.09 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 = 72.4%
Maximum value of SAR (measured) = 3.62 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.88 W/kg



Shortened scan reflects highest SAR producing configuration and is compared to the full scan.

Scan Description	Referenced Table	Test Time (min.)	SAR 1g (W/kg)
Shorten scan (zoom)	20	7	1.69
Full scan (area & zoom)	19	30	1.65

APPENDIX G
DUT Test Position Photos

Refer to original filing report

APPENDIX H
DUT, Body worn and Audio accessories photos

Refer to original filing report