

Appendix D

DUT Scans

LMR assessments at the Body for 806-824MHz band

Table 19

Assessments at the Body with Body worn PMLN8126A w/ PMLN4651A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2022 3:43:45 AM

Robot#: DASY5-PG-2 | Run#: SAN-AB-220329-04#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: PMMN4128A
 Start Power: 2.98 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 40.6$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 824 MHz, ConvF(9.98, 9.98, 9.98) @ 824 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 43.42 V/m; Power Drift = -0.14 dB

Fast SAR: SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.913 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: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 43.42 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.955 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 = 73.5%

Maximum value of SAR (measured) = 1.61 W/kg

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

Maximum value of SAR (measured) = 1.58 W/kg

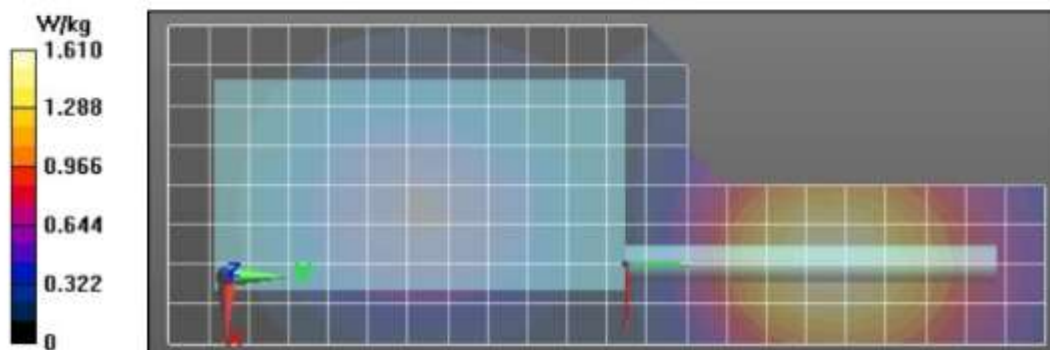


Table 20
Assessments at the Body with Body worn PMLN8126A w/ PMLN7008A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2022 8:32:53 AM

Robot#: DASY5-PG-2 | Run#: MFR-AB-220329-09#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.6 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4805A
 Carry Acc: PMLN8126A w/ PMLN7008A
 Audio Acc: PMMN4128A
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 824$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 824 MHz, ConvF(9.98, 9.98, 9.98) @ 824 MHz

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

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

Reference Value = 45.13 V/m; Power Drift = -0.23 dB

Fast SAR: SAR(1 g) = 1.38 W/kg; SAR(10 g) = 0.978 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.74 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 = 45.13 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.37 W/kg; SAR(10 g) = 1.01 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 = 73.7%

Maximum value of SAR (measured) = 1.69 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) = 1.69 W/kg

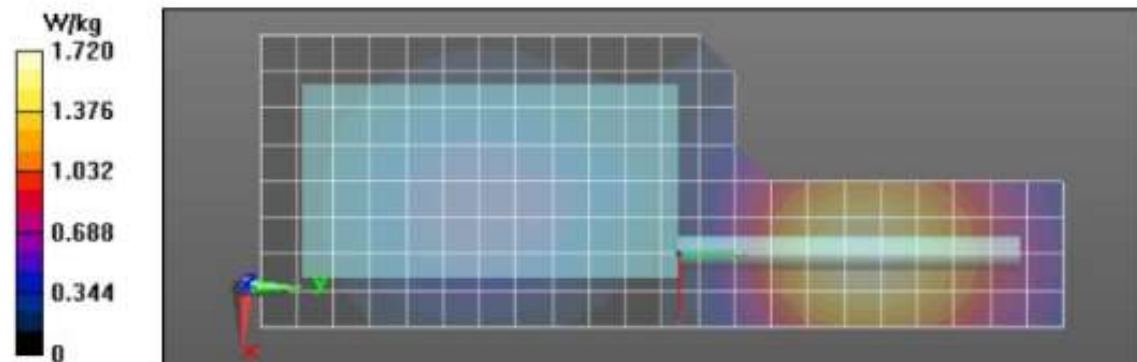


Table 21
Assessments at the Body with Body worn PMLN8127A w/ PMLN5407A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2022 3:40:23 PM

Robot#: DASY5-PG-2 | Run#: MFR(AMF)-AB-220329-12
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.6 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8127A w/ PMLN5407A
 Audio Acc: PMMN4128A
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 824 MHz, ConvF(9.98, 9.98, 9.98) @ 824 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 35.94 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 0.872 W/kg; SAR(10 g) = 0.620 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.10 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 = 35.94 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.870 W/kg; SAR(10 g) = 0.645 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 = 73.6%

Maximum value of SAR (measured) = 1.07 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) = 1.07 W/kg

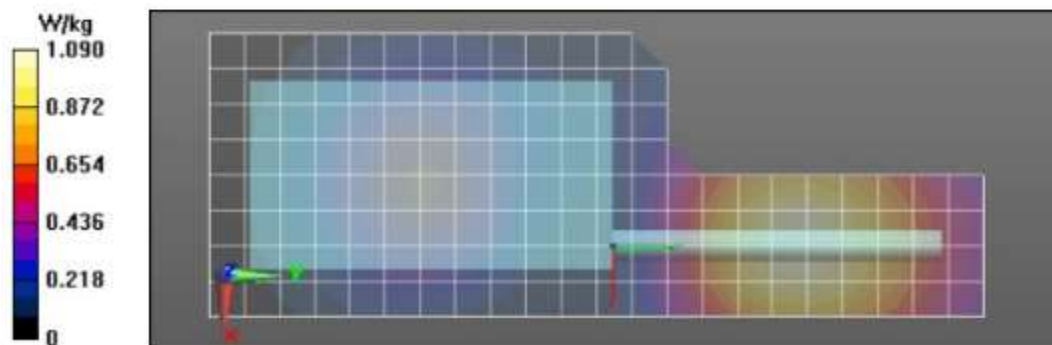


Table 22
Assessments at the Body with Body worn PMLN8127A w/ PMLN5409A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2022 5:58:22 PM

Robot#: DASY5-PG-2 | Run#: MFR-AB-220329-15
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.6 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8127A w/ PMLN5409A
 Audio Acc: PMMN4128A
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $v_t = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 824 MHz, ConvF(9.98, 9.98, 9.98) @ 824 MHz

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

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

Reference Value = 32.20 V/m; Power Drift = -0.19 dB

Fast SAR: SAR(1 g) = 0.686 W/kg; SAR(10 g) = 0.488 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.865 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 = 32.20 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.924 W/kg

SAR(1 g) = 0.687 W/kg; SAR(10 g) = 0.511 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 = 73.7%

Maximum value of SAR (measured) = 0.845 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) = 0.837 W/kg

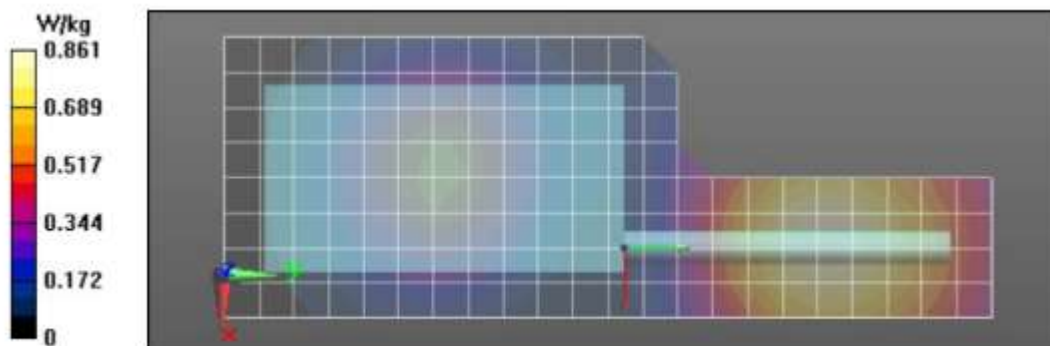


Table 23
Assessment of wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2022 9:22:27 PM

Robot#: DASY5-PG-2 | Run#: AF-AB-220329-18
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4805A
 Carry Acc: PMLN8126A w/ PMLN7008A
 Audio Acc: None
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 824 MHz, ConvF(9.98, 9.98, 9.98) @ 824 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 47.32 V/m; Power Drift = -0.22 dB

Fast SAR: SAR(1 g) = 1.61 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.04 W/kg

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

Reference Value = 47.32 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 1.61 W/kg; SAR(10 g) = 1.18 W/kg (SAR corrected for target medium)

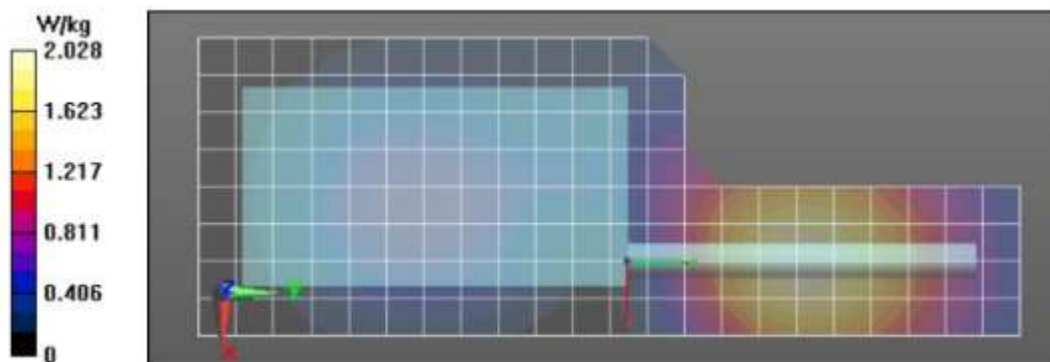
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 73.1%

Maximum value of SAR (measured) = 1.99 W/kg

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

Maximum value of SAR (measured) = 2.01 W/kg



LMR assessments at the Body for 851-869MHz band

Table 25

Assessments at the Body with Body worn PMLN8126A w/ PMLN4651A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/30/2022 3:14:22 AM

Robot#: DASY5-PG-2 | Run#: AF-AB-220330-05#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.5 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: PMMN4128A
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 851 MHz, ConvF(9.98, 9.98, 9.98) @ 851 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 45.98 V/m; Power Drift = -0.25 dB

Fast SAR: SAR(1 g) = 1.47 W/kg; SAR(10 g) = 1.04 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.86 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 = 45.98 V/m; Power Drift = -0.30 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 1.44 W/kg; SAR(10 g) = 1.06 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 = 72.9%

Maximum value of SAR (measured) = 1.79 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) = 1.79 W/kg

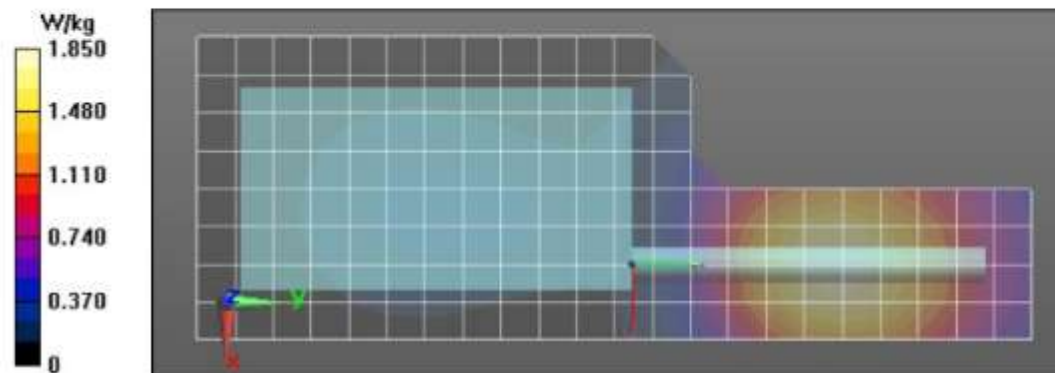


Table 26
Assessments at the Body with Body worn PMLN8126A w/ PMLN7008A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/30/2022 11:38:08 AM

Robot#: DASY5-PG-2 | Run#: MFR(AMF)-AB-220330-10
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.5 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: PMLN8126A w/ PMLN7008A
 Audio Acc: PMMN4128A
 Start Power: 2.91 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 851$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 851 MHz, ConvF(9.98, 9.98, 9.98) @ 851 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 43.52 V/m; Power Drift = -0.35 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) = 1.64 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 = 43.52 V/m; Power Drift = -0.42 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.913 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) = 1.55 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) = 1.54 W/kg

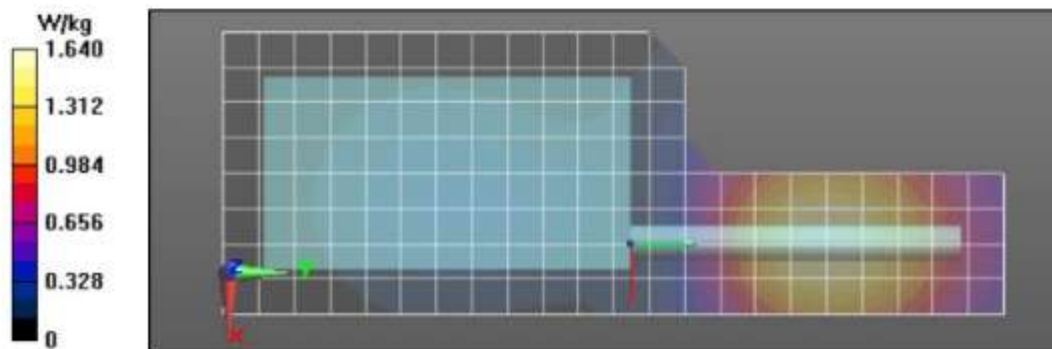


Table 27
Assessments at the Body with Body worn PMLN8127A w/ PMLN5407A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/30/2022 3:09:26 PM

Robot#: DASY5-PG-2 | Run#: MFR(AMF)-AB-220330-13
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.6 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: PMLN8127A w/ PMLN5407A
 Audio Acc: PMMN4128A
 Start Power: 2.99 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 851 MHz, ConvF(9.98, 9.98, 9.98) @ 851 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 37.48 V/m; Power Drift = -0.35 dB

Fast SAR: SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.695 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.24 W/kg

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

Reference Value = 37.48 V/m; Power Drift = -0.42 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.943 W/kg; SAR(10 g) = 0.692 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) = 1.18 W/kg

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

Maximum value of SAR (measured) = 1.17 W/kg

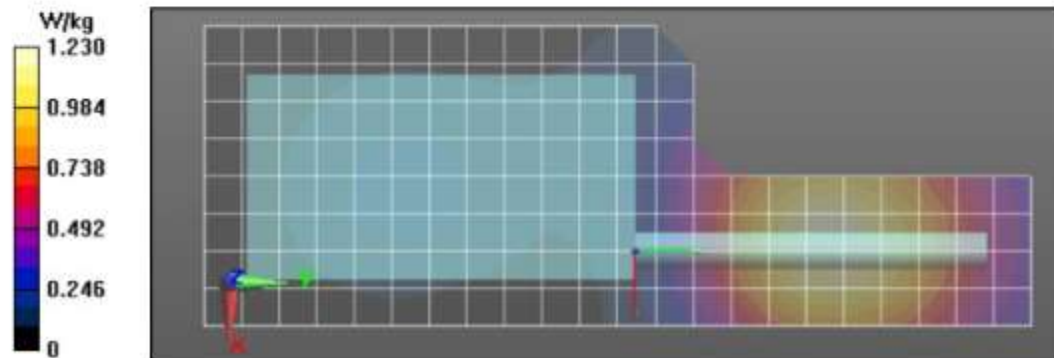


Table 28
Assessments at the Body with Body worn PMLN8127A w/ PMLN5409A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/30/2022 4:57:54 PM

Robot#: DASY5-PG-2 | Run#: MFR(AMF)-AB-220330-15
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.6 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8127A w/ PMLN5409A
 Audio Acc: PMMN4128A
 Start Power: 3.00(W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 851$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 851 MHz, ConvF(9.98, 9.98, 9.98) @ 851 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 31.60 V/m; Power Drift = -0.30 dB

Fast SAR: SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.492 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.879 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 = 31.60 V/m; Power Drift = -0.34 dB

Peak SAR (extrapolated) = 0.926 W/kg

SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.501 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 = 72.7%

Maximum value of SAR (measured) = 0.844 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) = 0.838 W/kg

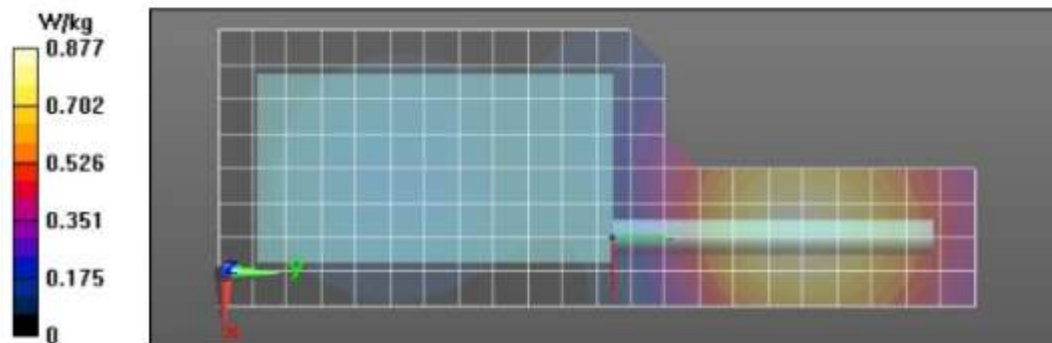


Table 29
Assessment of wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/30/2022 6:46:34 PM

Robot#: DASY5-PG-2 | Run#: MFR-AB-220330-18
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.6 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: None
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 851 MHz, ConvF(9.98, 9.98, 9.98) @ 851 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 47.58 V/m; Power Drift = -0.27 dB

Fast SAR: SAR(1 g) = 1.61 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.05 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 = 47.58 V/m; Power Drift = -0.33 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 1.57 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)

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

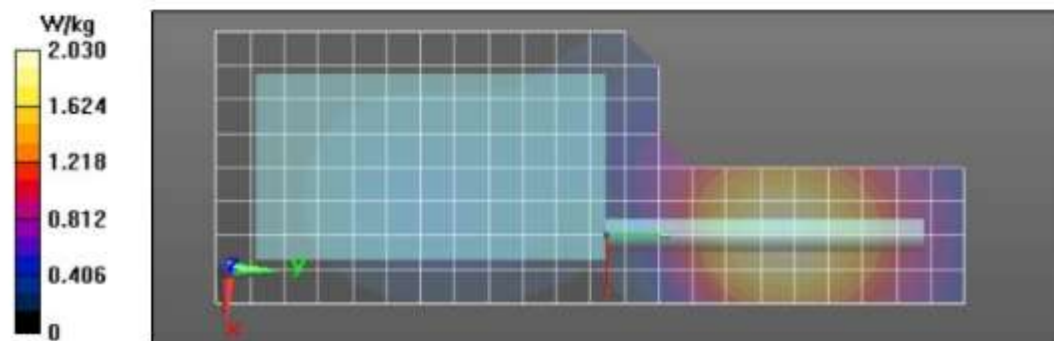
Ratio of SAR at M2 to SAR at M1 = 72.7%

Maximum value of SAR (measured) = 1.95 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) = 1.93 W/kg



LMR assessments at the Body for 869-901MHz band

Table 31
Assessments at the Body with Body worn PMLN8126A w/ PMLN4651A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/31/2022 5:12:54 AM

Robot#: DASY5-PG-2 | Run#: AF-AB-220331-06
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.0 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 901.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: PMMN4128A
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 901$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 901 MHz, ConvF(9.86, 9.86, 9.86) @ 901 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 41.76 V/m; Power Drift = -0.55 dB

Fast SAR: SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.850 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.54 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 = 41.76 V/m; Power Drift = -0.69 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.813 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 = 71.9%

Maximum value of SAR (measured) = 1.41 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) = 1.39 W/kg

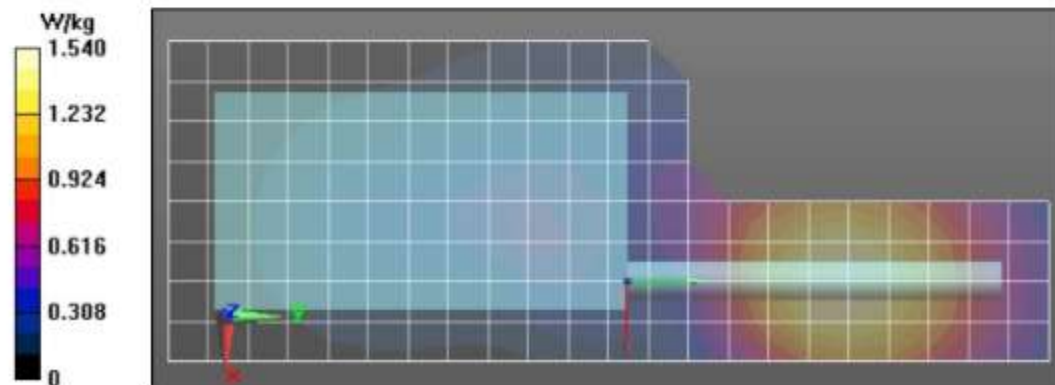


Table 32
Assessments at the Body with Body worn PMLN8126A w/ PMLN7008A

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/31/2022 8:38:13 AM

Robot#: DASY5-PG-2 | Run#: MFR-AB-220331-09
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.2 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 901.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8126A w/ PMLN7008A
 Audio Acc: PMMN4128A
 Start Power: 2.91 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 901$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 901 MHz, ConvF(9.86, 9.86, 9.86) @ 901 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 37.91 V/m; Power Drift = -0.51 dB
Fast SAR: SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.689 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.24 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 = 37.91 V/m; Power Drift = -0.65 dB
 Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.912 W/kg; SAR(10 g) = 0.659 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 = 71.7%
 Maximum value of SAR (measured) = 1.14 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) = 1.13 W/kg

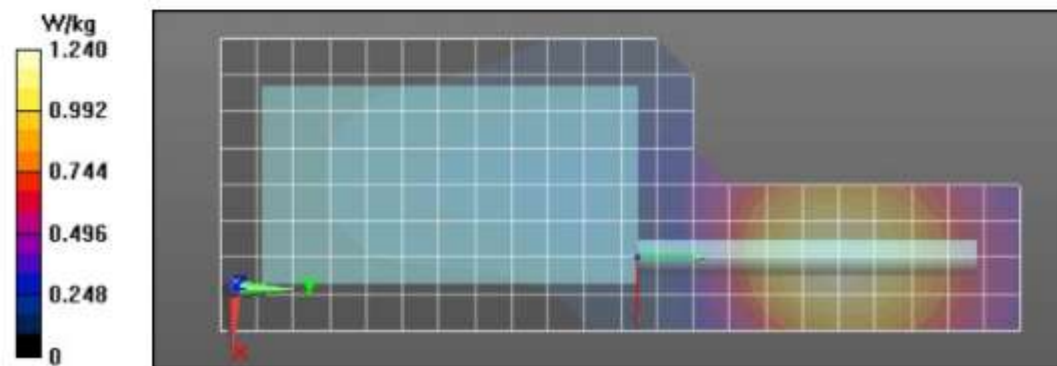


Table 33
Assessments at the Body with Body worn PMLN8127A w/ PMLN5407A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/31/2022 11:27:55 AM

Robot#: DASY5-PG-2 | Run#: MFR(AMF)-AB-220331-13
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.3 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 901.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: PMLN8127A w/ PMLN5407A
 Audio Acc: PMMN4128A
 Start Power: 2.99 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 901$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 901 MHz, ConvF(9.86, 9.86, 9.86) @ 901 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 29.13 V/m; Power Drift = -0.65 dB

Fast SAR: SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.402 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.719 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 = 29.13 V/m; Power Drift = -0.85 dB

Peak SAR (extrapolated) = 0.728 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.382 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 = 71.1%

Maximum value of SAR (measured) = 0.660 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) = 0.639 W/kg

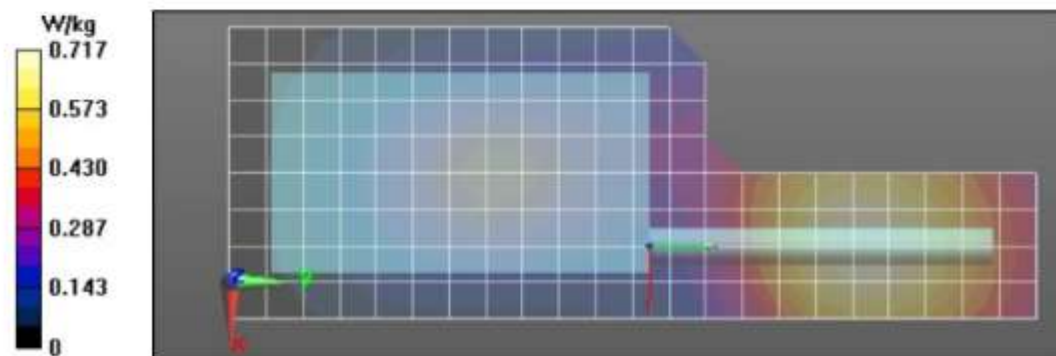


Table 34
Assessments at the Body with Body worn PMLN8127A w/ PMLN5409A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/31/2022 2:21:07 PM

Robot#: DASY5-PG-2 | Run#: MFR(AMF)-AB-220331-15
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.3 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 901.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8127A w/ PMLN5409A
 Audio Acc: PMMN4128A
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 901 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 901 MHz, ConvF(9.86, 9.86, 9.86) @ 901 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 28.01 V/m; Power Drift = -0.52 dB

Fast SAR: SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.380 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.679 W/kg

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

Reference Value = 28.01 V/m; Power Drift = -0.64 dB

Peak SAR (extrapolated) = 0.699 W/kg

SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.370 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) = 0.634 W/kg

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

Maximum value of SAR (measured) = 0.625 W/kg

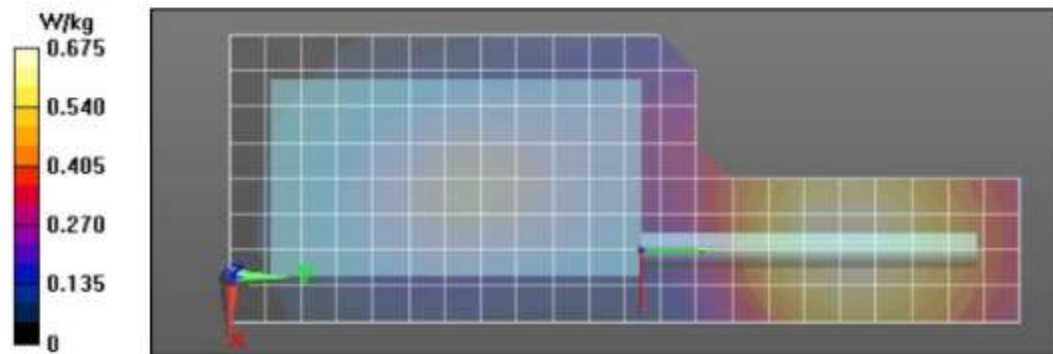


Table 35
Assessment of wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/31/2022 4:22:41 PM

Robot#: DASY5-PG-2 | Run#: MFR(AMF)-AB-220331-18
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.3 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 901.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: None
 Start Power: 2.99 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 901$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 901 MHz, ConvF(9.86, 9.86, 9.86) @ 901 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 43.80 V/m; Power Drift = -0.54 dB

Fast SAR: SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.960 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.74 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 = 43.80 V/m; Power Drift = -0.66 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.908 W/kg (SAR corrected for target medium)

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

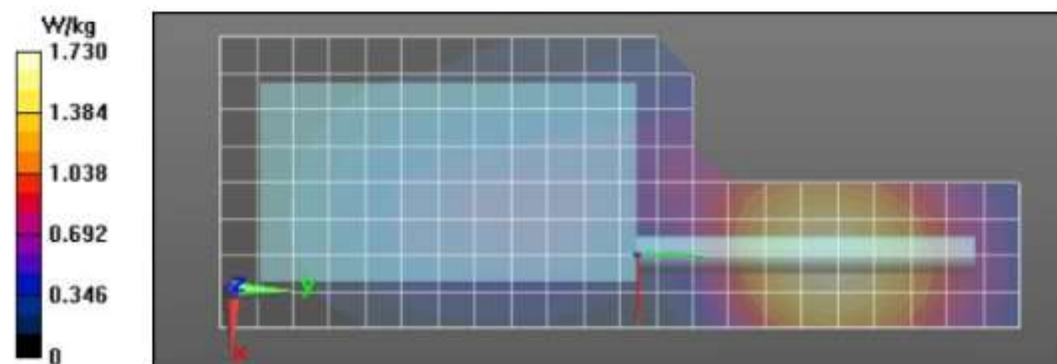
Ratio of SAR at M2 to SAR at M1 = 71.7%

Maximum value of SAR (measured) = 1.58 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) = 1.56 W/kg



LMR assessments at the Body for 935-940MHz band

Table 37

Assessments at the Body with Body worn PMLN8126A w/ PMLN4651A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/1/2022 11:35:23 AM

Robot#: DASY5-PG-2 | Run#: SAN(AMF)-AB-220401-11
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 935.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: PMMN4128A
 Start Power: 2.96 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 935$ MHz; $\sigma = 1.03$ S/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 935 MHz, ConvF(9.86, 9.86, 9.86) @ 935 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 36.14 V/m; Power Drift = -0.86 dB

Fast SAR: SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.625 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.13 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 = 36.14 V/m; Power Drift = -1.09 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.557 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%

Maximum value of SAR (measured) = 0.992 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) = 0.964 W/kg

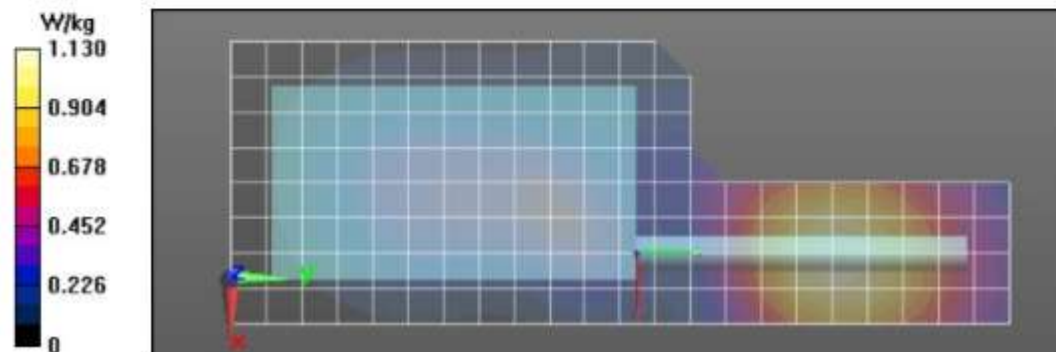


Table 38
Assessments at the Body with Body worn PMLN8126A w/ PMLN7008A

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/1/2022 5:17:05 PM

Robot#: DASY5-PG-2 | Run#: SAN(AMF)-AB-220401-14
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.0 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 935.0000 (MHz)
 Battery: PMNN4803A
 Carry Ace: PMLN8126A w/ PMLN7008A
 Audio Acc: PMMN4128A
 Start Power: 2.93 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 935$ MHz; $\sigma = 1.03$ S/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 935 MHz, ConvF(9.86, 9.86, 9.86) @ 935 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 34.78 V/m; Power Drift = -0.61 dB

Fast SAR: SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.598 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.09 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 = 34.78 V/m; Power Drift = -0.77 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.552 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 = 70.5%

Maximum value of SAR (measured) = 0.976 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) = 0.960 W/kg

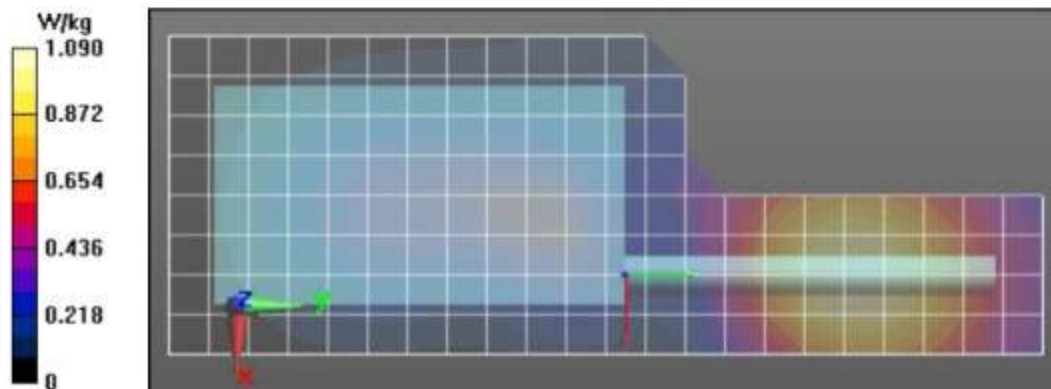


Table 39
Assessments at the Body with Body worn PMLN8127A w/ PMLN5407A

Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/1/2022 11:42:43 PM

Robot#: DASY5-PG-2 | Run#: AF-AB-220401-19
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 935.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: PMLN8127A w/ PMLN5407A
 Audio Acc: PMMN4128A
 Start Power: 2.96 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 935$ MHz; $\sigma = 1.03$ S/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 935 MHz, ConvF(9.86, 9.86, 9.86) @ 935 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 23.42 V/m; Power Drift = -0.75 dB
Fast SAR: SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.269 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.481 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 = 23.42 V/m; Power Drift = -0.97 dB
 Peak SAR (extrapolated) = 0.473 W/kg
SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.248 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 = 71.7%
 Maximum value of SAR (measured) = 0.428 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) = 0.415 W/kg

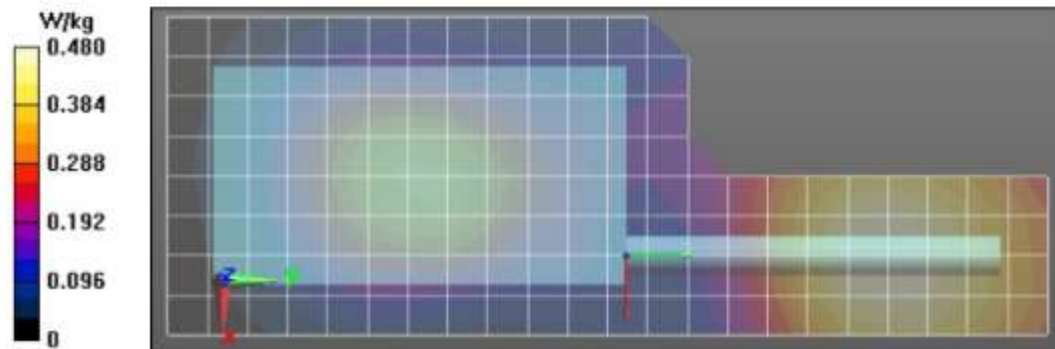


Table 40
Assessments at the Body with Body worn PMLN8127A w/ PMLN5409A

Motorola Solutions, Inc. EME Laboratory
Date/Time: 4/2/2022 12:53:18 AM

Robot#: DASY5-PG-2 | Run#: AF-AB-220402-02#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.6 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 935.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8127A w/ PMLN5409A
 Audio Acc: PMMN4128A
 Start Power: 2.97 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 935 \text{ MHz}$; $\sigma = 1.03 \text{ S/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 935 MHz, ConvF(9.86, 9.86, 9.86) @ 935 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 22.55 V/m; Power Drift = -0.47 dB

Fast SAR: SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.262 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.469 W/kg

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

Reference Value = 22.55 V/m; Power Drift = -0.60 dB

Peak SAR (extrapolated) = 0.478 W/kg

SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.251 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 = 70.8%

Maximum value of SAR (measured) = 0.432 W/kg

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

Maximum value of SAR (measured) = 0.423 W/kg

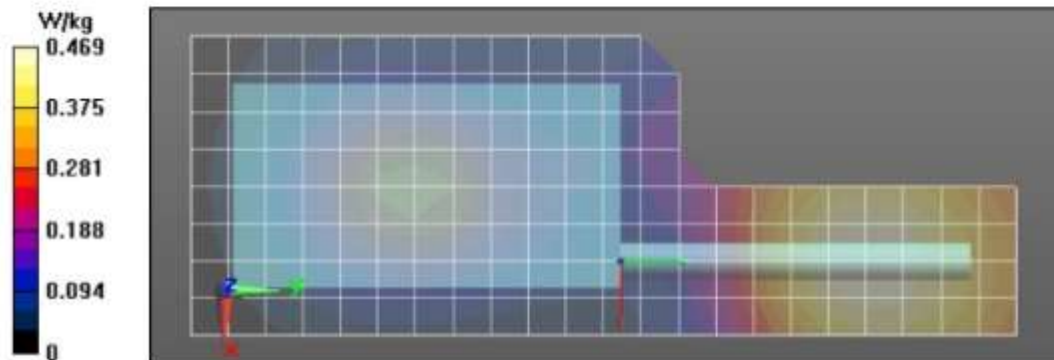


Table 41
Assessment of wireless BT configuration

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/2/2022 2:43:45 AM

Robot#: DASY5-PG-2 | Run#: AF-AB-220402-05#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 935.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: None
 Start Power: 2.96 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 935$ MHz; $\sigma = 1.03$ S/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 935 MHz, ConvF(9.86, 9.86, 9.86) @ 935 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 38.36 V/m; Power Drift = -0.63 dB

Fast SAR: SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.720 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.31 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 = 38.36 V/m; Power Drift = -0.76 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.942 W/kg; SAR(10 g) = 0.676 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) = 1.19 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) = 1.16 W/kg

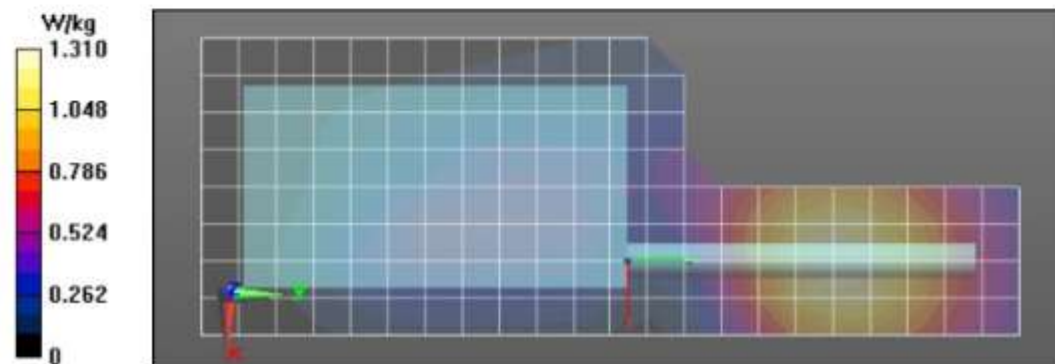


Table 43
LMR assessments at the Face for 806-824MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/28/2022 10:52:32 PM

Robot#: DASY5-PG-2 | Run#: SAN-FACE-220328-09
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 22.1 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4805A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 2.91 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,

Medium parameters used: $f = 824$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 824 MHz, ConvF(9.98, 9.98, 9.98) @ 824 MHz

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

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

Reference Value = 67.35 V/m; Power Drift = -0.08 dB

Fast SAR: SAR(1 g) = 3.25 W/kg; SAR(10 g) = 2.28 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.12 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 = 67.35 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.49 W/kg

SAR(1 g) = 3.28 W/kg; SAR(10 g) = 2.37 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) = 4.10 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) = 4.08 W/kg

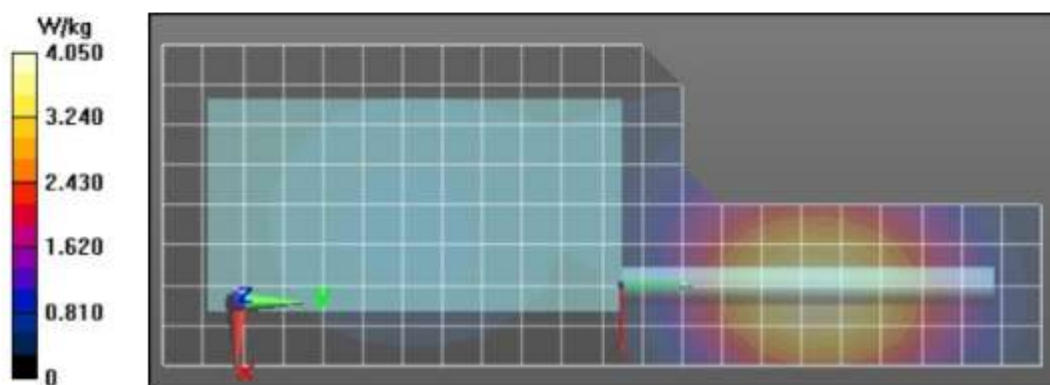


Table 45
LMR assessment at the Face for 851-869MHz band

Motorola Solutions, Inc. EME Laboratory
Date/Time: 3/30/2022 11:04:46 PM

Robot#: DASY5-PG-2 | Run#: AF-FACE-220330-21
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 851 MHz, ConvF(9.98, 9.98, 9.98) @ 851 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 69.06 V/m; Power Drift = -0.57 dB

Fast SAR: SAR(1 g) = 3.23 W/kg; SAR(10 g) = 2.26 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.08 W/kg

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

Reference Value = 69.06 V/m; Power Drift = -0.60 dB

Peak SAR (extrapolated) = 4.38 W/kg

SAR(1 g) = 3.18 W/kg; SAR(10 g) = 2.29 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 = 72.2%

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

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

Maximum value of SAR (measured) = 3.97 W/kg

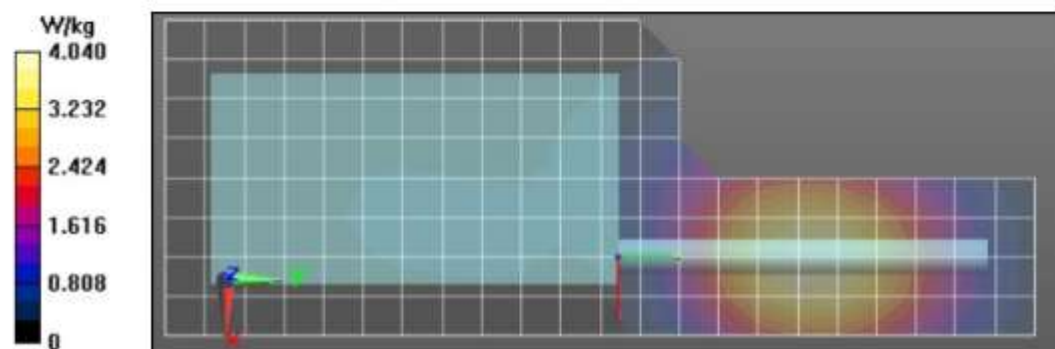


Table 47
LMR assessments at the Face for 896-901MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/31/2022 11:14:28 PM

Robot#: DASY5-PG-2 | Run#: AF-FACE-220331-21
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.3 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 901.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 2.98 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 901 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 901 MHz, ConvF(9.86, 9.86, 9.86) @ 901 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 64.11 V/m; Power Drift = -0.56 dB

Fast SAR: SAR(1 g) = 3.02 W/kg; SAR(10 g) = 2.1 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.85 W/kg

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

Reference Value = 64.11 V/m; Power Drift = -0.68 dB

Peak SAR (extrapolated) = 3.92 W/kg

SAR(1 g) = 2.79 W/kg; SAR(10 g) = 1.98 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) = 3.54 W/kg

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

Maximum value of SAR (measured) = 3.49 W/kg

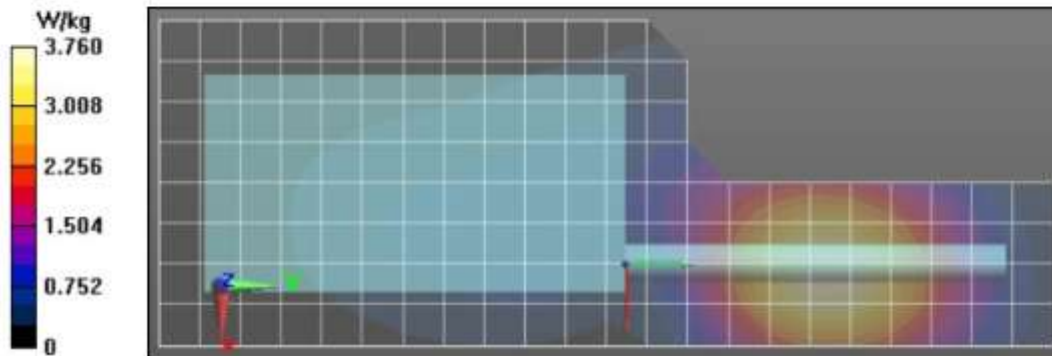


Table 49
LMR assessments at the Face for 935-940MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/1/2022 5:43:59 AM

Robot#: DASY5-PG-2 | Run#: AF-FACE-220401-07
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 19.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 935.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 2.98 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 935$ MHz; $\sigma = 1.03$ S/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 935 MHz, ConvF(9.86, 9.86, 9.86) @ 935 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 61.22 V/m; Power Drift = -0.65 dB

Fast SAR: SAR(1 g) = 3.01 W/kg; SAR(10 g) = 2.07 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.84 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 = 61.22 V/m; Power Drift = -0.78 dB

Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.88 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 = 69.8%

Maximum value of SAR (measured) = 3.43 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) = 3.37 W/kg

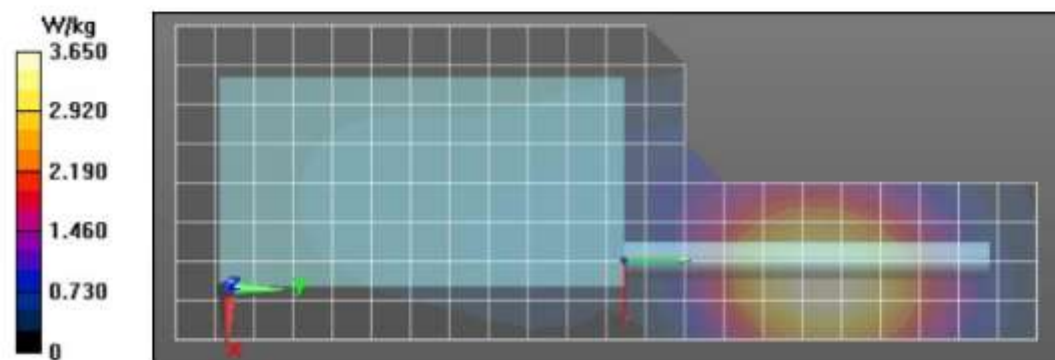


Table 50
Assessment at the ISED Body for 806-824MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/29/2022 9:22:27 PM

Robot#: DASY5-PG-2 | Run#: AF-AB-220329-18
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4805A
 Carry Acc: PMLN8126A w/ PMLN7008A
 Audio Acc: None
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 824 MHz, ConvF(9.98, 9.98, 9.98) @ 824 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 47.32 V/m; Power Drift = -0.22 dB

Fast SAR: SAR(1 g) = 1.61 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.04 W/kg

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

Reference Value = 47.32 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 1.61 W/kg; SAR(10 g) = 1.18 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 = 73.1%

Maximum value of SAR (measured) = 1.99 W/kg

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

Maximum value of SAR (measured) = 2.01 W/kg

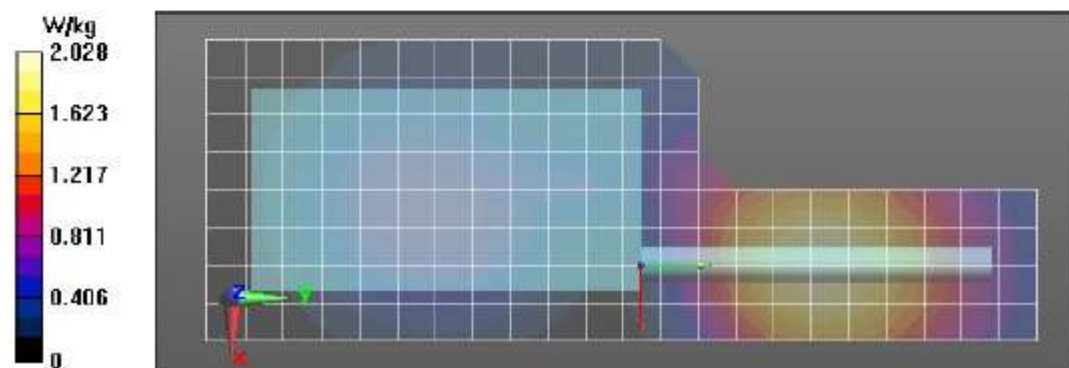


Table 50
Assessment at the ISED Face for 806-824MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/28/2022 10:52:32 PM

Robot#: DASY5-PG-2 | Run#: SAN-FACE-220328-09
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 22.1 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 824.0000 (MHz)
 Battery: PMNN4805A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 2.91 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 824 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 40.6$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 824 MHz, ConvF(9.98, 9.98, 9.98) @ 824 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 67.35 V/m; Power Drift = -0.08 dB
 Fast SAR: SAR(1 g) = 3.25 W/kg; SAR(10 g) = 2.28 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.12 W/kg

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

Reference Value = 67.35 V/m; Power Drift = -0.09 dB
 Peak SAR (extrapolated) = 4.49 W/kg
 SAR(1 g) = 3.28 W/kg; SAR(10 g) = 2.37 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) = 4.10 W/kg

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

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

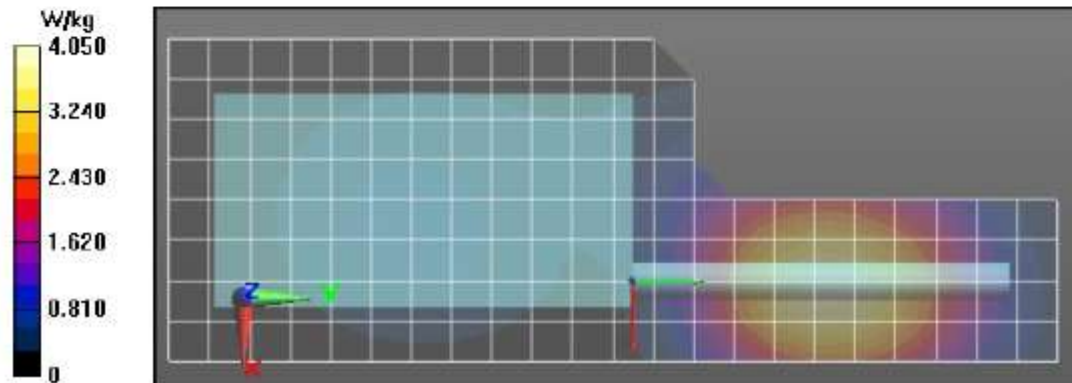


Table 51
Assessment at the ISED Body for 851-869MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/30/2022 6:46:34 PM

Robot#: DASY5-PG-2 | Run#: MFR-AB-220330-18
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.6 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: None
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 851 MHz, ConvF(9.98, 9.98, 9.98) @ 851 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 47.58 V/m; Power Drift = -0.27 dB

Fast SAR: SAR(1 g) = 1.61 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 2.05 W/kg

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

Reference Value = 47.58 V/m; Power Drift = -0.33 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 1.57 W/kg; SAR(10 g) = 1.14 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 = 72.7%

Maximum value of SAR (measured) = 1.95 W/kg

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

Maximum value of SAR (measured) = 1.93 W/kg

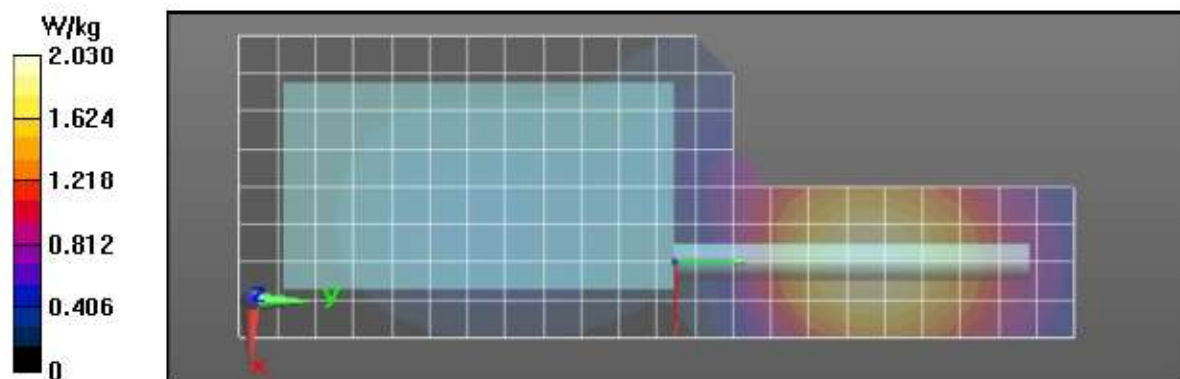


Table 51
Assessment at the ISED Face for 851-869MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/30/2022 11:04:46 PM

Robot#: DASY5-PG-2 | Run#: AF-FACE-220330-21
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 3.00 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 851 MHz, ConvF(9.98, 9.98, 9.98) @ 851 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 69.06 V/m; Power Drift = -0.57 dB
 Fast SAR: SAR(1 g) = 3.23 W/kg; SAR(10 g) = 2.26 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 4.08 W/kg

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

Reference Value = 69.06 V/m; Power Drift = -0.60 dB
 Peak SAR (extrapolated) = 4.38 W/kg
 SAR(1 g) = 3.18 W/kg; SAR(10 g) = 2.29 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 = 72.2%
 Maximum value of SAR (measured) = 3.98 W/kg

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

Maximum value of SAR (measured) = 3.97 W/kg

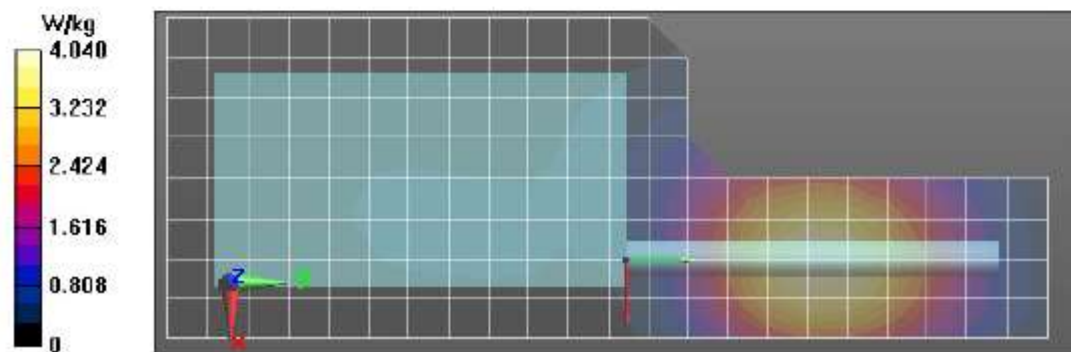


Table 52
Assessment at the ISED Body for 896-901MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/31/2022 5:05:06 PM

Robot#: DASY5-PG-2 | Run#: MFR(AMF)-AB-220331-19
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.3 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 896.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: None
 Start Power: 2.96 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 896$ MHz; $\sigma = 0.99$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 896 MHz, ConvF(9.86, 9.86, 9.86) @ 896 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (81x221x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 43.86 V/m; Power Drift = -0.45 dB
 Fast SAR: SAR(1 g) = 1.4 W/kg; SAR(10 g) = 0.984 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 1.78 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 = 43.86 V/m; Power Drift = -0.56 dB
 Peak SAR (extrapolated) = 1.79 W/kg
 SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.940 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%
 Maximum value of SAR (measured) = 1.63 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) = 1.61 W/kg

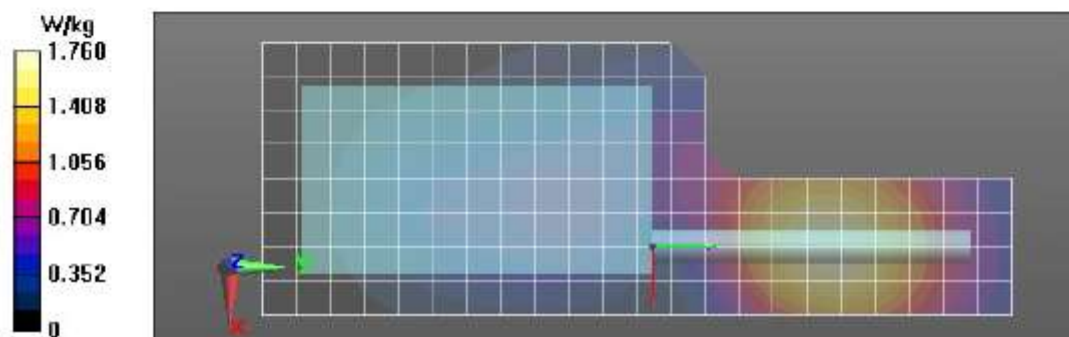


Table 52
Assessment at the ISED Face for 896-901MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 3/31/2022 11:14:28 PM

Robot#: DASY5-PG-2 | Run#: AF-FACE-220331-21
 Model#: AAH90UCU9RHLAN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 20.3 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 901.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 2.98 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 901 \text{ MHz}$; $\sigma = 0.99 \text{ S/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 901 MHz, ConvF(9.86, 9.86, 9.86) @ 901 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 64.11 V/m; Power Drift = -0.56 dB
 Fast SAR: SAR(1 g) = 3.02 W/kg; SAR(10 g) = 2.1 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 3.85 W/kg

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

Reference Value = 64.11 V/m; Power Drift = -0.68 dB
 Peak SAR (extrapolated) = 3.92 W/kg
 SAR(1 g) = 2.79 W/kg; SAR(10 g) = 1.98 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) = 3.54 W/kg

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

Maximum value of SAR (measured) = 3.49 W/kg

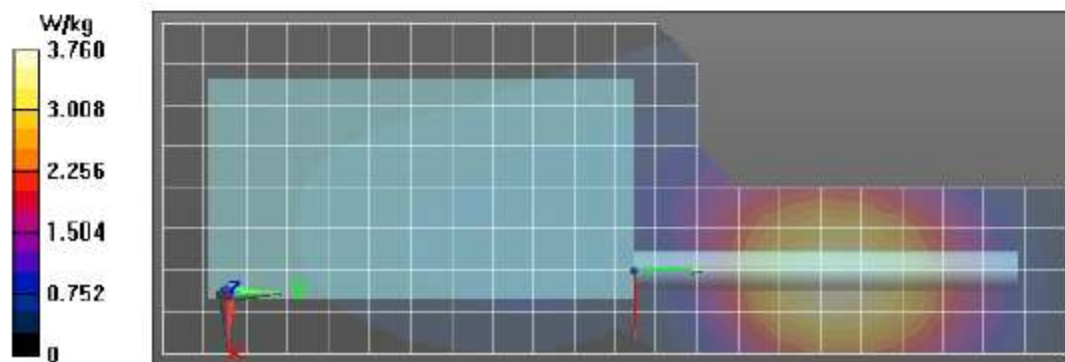


Table 53
Assessment at the ISED Body for 935-940MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/2/2022 8:59:35 AM

Robot#: DASY5-PG-2 | Run#: SAN-AB-220402-08
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 19.5 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 940.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: None
 Start Power: 2.92 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 940$ MHz; $\sigma = 1.04$ S/m; $\epsilon_r = 42.4$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 940 MHz, ConvF(9.86, 9.86, 9.86) @ 940 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 37.81 V/m; Power Drift = -0.88 dB

Fast SAR: SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.706 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.28 W/kg

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

$dy=7.5$ mm, $dz=5$ mm

Reference Value = 37.81 V/m; Power Drift = -1.03 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.895 W/kg; SAR(10 g) = 0.640 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%

Maximum value of SAR (measured) = 1.12 W/kg

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

$dz=10$ mm

Maximum value of SAR (measured) = 1.10 W/kg

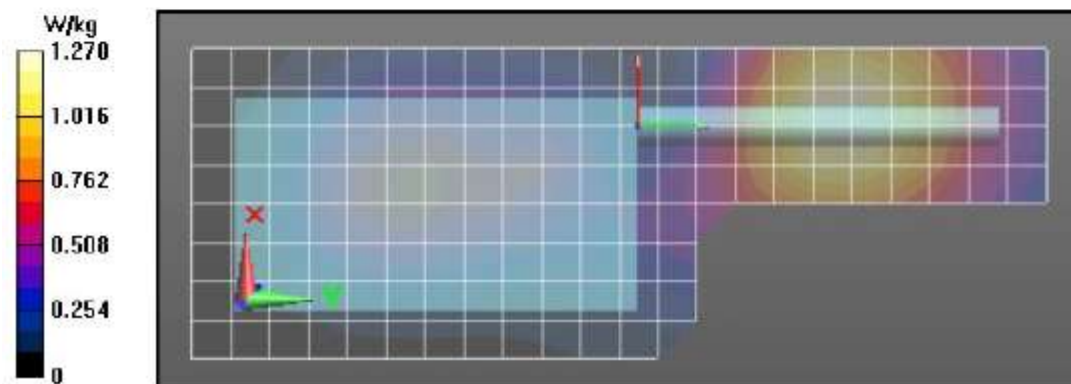


Table 53
Assessment at the ISED Face for 935-940MHz band

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/1/2022 5:43:59 AM

Robot#: DASY5-PG-2 | Run#: AF-FACE-220401-07
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 19.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 935.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 2.98 (W)

Comments:

Communication System Band: McKenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 935 \text{ MHz}$; $\sigma = 1.03 \text{ S/m}$; $\epsilon_r = 39.5$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 935 MHz, ConvF(9.86, 9.86, 9.86) @ 935 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

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

Reference Value = 61.22 V/m; Power Drift = -0.65 dB

Fast SAR: SAR(1 g) = 3.01 W/kg; SAR(10 g) = 2.07 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.84 W/kg

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

Reference Value = 61.22 V/m; Power Drift = -0.78 dB

Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.88 W/kg (SAR corrected for target medium)

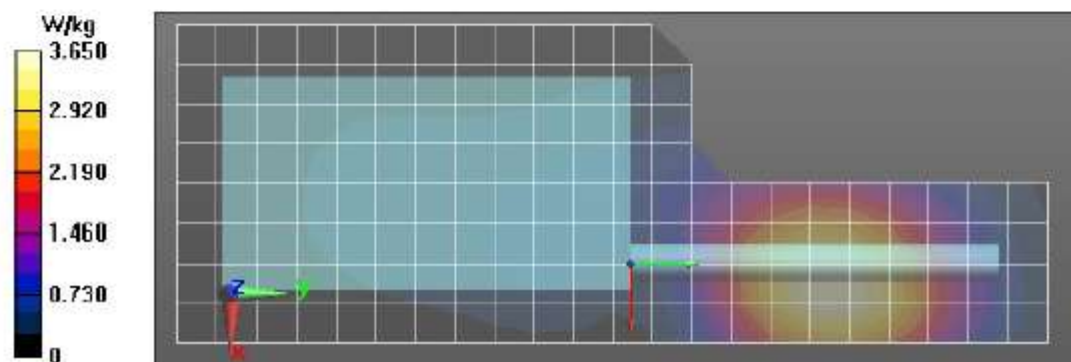
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 69.8%

Maximum value of SAR (measured) = 3.43 W/kg

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

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



Assessment for WLAN 2.4 GHz (802.11 b/g/n)

Assessments at the Body
Table 4

Motorola Solutions, EME Laboratory

2022-04-04, 01:34

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, WLAN 2.4GHz, IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 11 (2462.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	295.0 x 80.0 x 40.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, U/I/D	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	WLAN 2.4GHz	WLAN, 10415-AAA	2462.0, 11	7.0	1.77	39.2

Hardware Setup

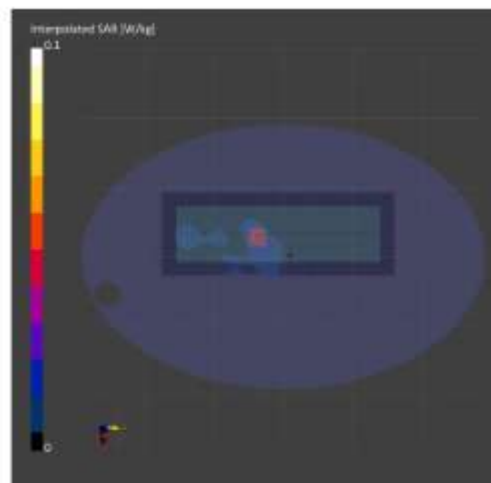
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2450, 2022-Apr-03	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 336.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-04, 01:34	2022-04-04, 01:43
psSAR1g [W/Kg]	0.040	0.040
psSAR10g [W/Kg]	0.020	0.018
Power Drift [dB]	0.22	-0.07
TSL Correction	Positive only	Positive only
M2/M1 [%]		79.7
Dist 3dB Peak [mm]		> 15.0



Assessments at the Face

Table 5

Motorola Solutions, EME Laboratory

2022-04-03, 19:07

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, WLAN 2.4GHz, IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 11 (2462.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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 2.4GHz	WLAN, 10415-AAA	2462.0, 11	7.0	1.75	40.7

Hardware Setup

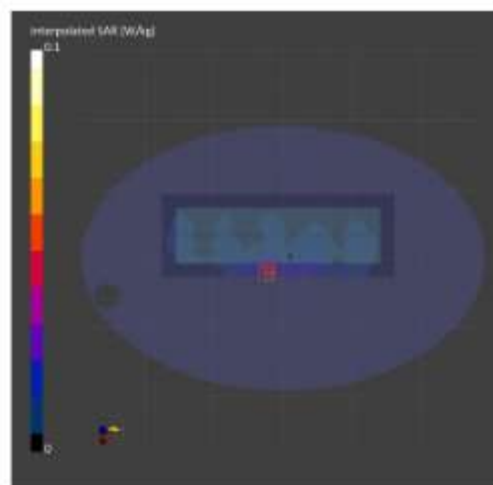
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe fit) - ELI4 1103	HSL2450, 2022-Apr-02	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 336.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + Sp	VMS + Sp
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-03, 19:07	2022-04-03, 19:16
psSARTg [W/Kg]	0.024	0.025
psSART10g [W/Kg]	0.014	0.014
Power (drift) [dB]	-0.18	0.14
TSL Correction	Positive only	Positive only
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		> 15.0



Additional Assessments for ISED Canada

Body -Table 6

Motorola Solutions, EME Laboratory

2022-04-04, 04:05

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, WLAN 2.4GHz, IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 6 (2437.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	295.0 x 80.0 x 40.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, U/D	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	WLAN 2.4GHz	WLAN, 10415-AAA	2437.0, 6	7.0	1.75	39.3

Hardware Setup

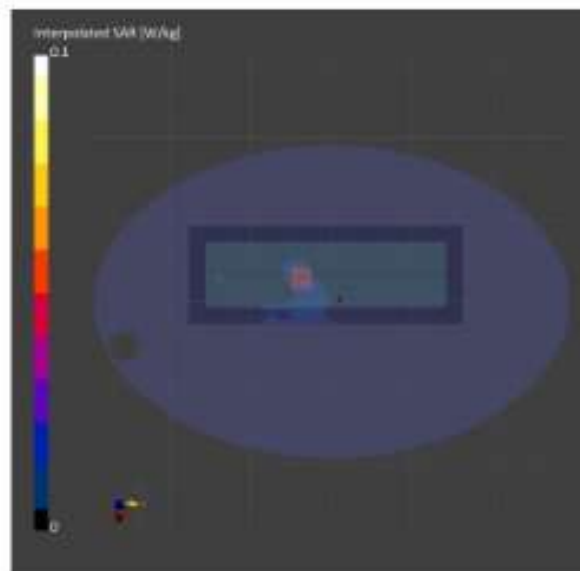
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
EU V4.0 (20deg probe tilt) - EL34 1109	HSL2450, 2022-Apr-03	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 336.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS = 6p	VMS = 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-04, 04:05	2022-04-04, 04:14
µSAR1g [W/Kg]	0.041	0.044
µSAR10g [W/Kg]	0.020	0.020
Power Drift [dB]	0.43	0.55
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.0
Dist 3dB Peak [mm]		> 15.0



Face -Table 6

Motorola Solutions, EME Laboratory

2022-04-03, 19:07

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, WLAN 2.4GHz, IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 11 (2462.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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 2.4GHz	WLAN, 10415-AAA	2462.0, 11	7.0	1.75	40.7

Hardware Setup

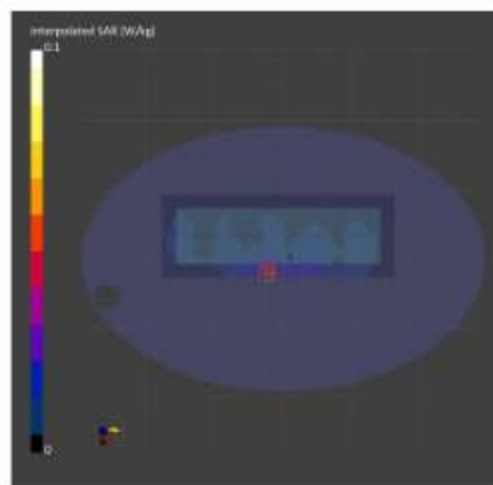
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1103	HSL2450, 2022-Apr-02	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 336.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-03, 19:07	2022-04-03, 19:16
psSARTg [W/Kg]	0.024	0.025
psSART10g [W/Kg]	0.014	0.014
Power Drift [dB]	-0.18	0.14
TSL Correction	Positive only	Positive only
M2/M1 [%]		79.5
Dist 3dB Peak [mm]		> 13.0



Assessment for WLAN 5.0 GHz (802.11 a/n/ac)

Assessments at the Body U-NII-2A (5.25-5.35GHz)
Table 8

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/7/2022 1:57:14 PM

Robot#: DASY5-PG-3 | Run#: BAD(AMF)-AB-220407-06#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1108
 Tissue Temp: 21.3 (C)
 Serial#: 734TYF0018
 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; $\sigma = 4.53$ S/m; $\epsilon_r = 33.1$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5290 MHz, ConvF(5.4, 5.4, 5.4) @ 5290 MHz

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

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

Reference Value = 1.784 V/m; Power Drift = 0.41 dB

Fast SAR: SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.00649 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0649 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.596 V/m; Power Drift = -0.48 dB

Peak SAR (extrapolated) = 0.151 W/kg

SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00481 W/kg (SAR corrected for target medium)

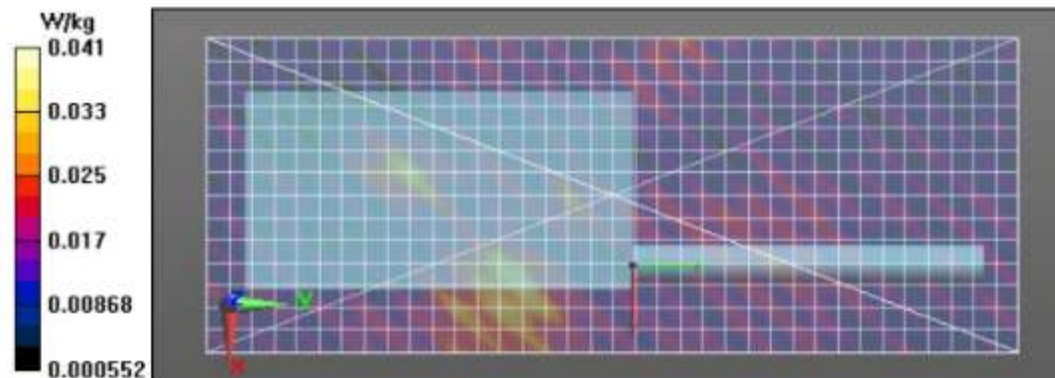
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 32.9%

Maximum value of SAR (measured) = 0.0396 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) = 0.0244 W/kg



Assessments at the Body U-NII-2C (5.47-5.65GHz)

Table 9

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/5/2022 11:20:42 AM

Robot#: DASY5-PG-3 | Run#: BAD-AB-220405-04#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1108
 Tissue Temp: 20.6 (C)
 Serial#: 734TYF0018
 Antenna: AN000345A01
 Test Freq: 5530.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: None
 Start Power: 0.0394 (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; $\sigma = 4.54$ S/m; $\epsilon_r = 32.4$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5530 MHz, ConvF(4.92, 4.92, 4.92) @ 5530 MHz
 Electronics: DAE3 Sn374, Calibrated: 4/8/2021

4-6 GHz-Rev.5/Shortened Ab Scan/1-Area Scan (161x361x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 2.260 V/m; Power Drift = -0.68 dB

Fast SAR: SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00639 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0379 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 = 2.869 V/m; Power Drift = -0.60 dB

Peak SAR (extrapolated) = 0.0780 W/kg

SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00702 W/kg (SAR corrected for target medium)

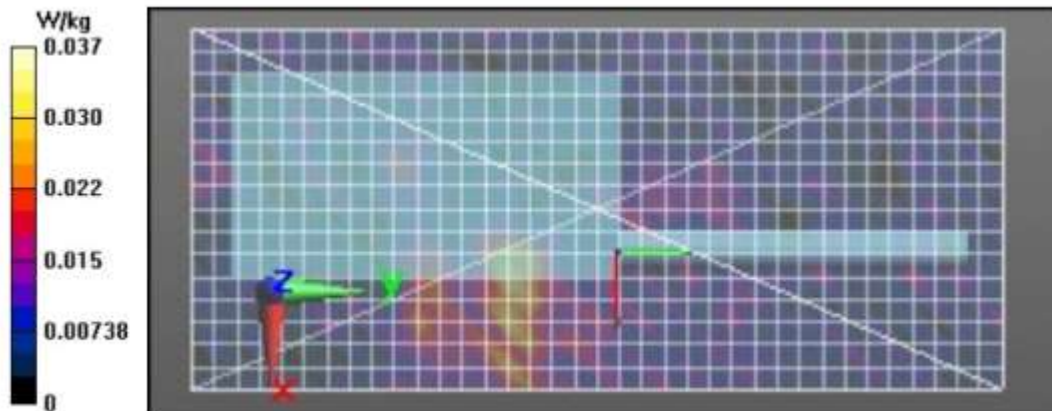
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 60.3%

Maximum value of SAR (measured) = 0.0421 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) = 0.0243 W/kg



Assessments at the Body U-NII-3 (5.65-5.85 GHz)

Table 10

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/12/2022 12:45:15 PM

Robot#: DASY5-PG-3 | Run#: MFR(DAN)-AB-220412-06
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1108
 Tissue Temp: 21.5(C)
 Serial#: 734TYF0018
 Antenna: AN000345A01
 Test Freq: 5690.0000(MHz)
 Battery: PMNN4804A
 Carry Acc: PMLN8126A w/ PMLN7008A
 Audio Acc: None
 Start Power: 0.0381(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: $f = 5690$ MHz; $\sigma = 4.74$ S/m; $\epsilon_r = 32$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5690 MHz, ConvF(4.89, 4.89, 4.89) @ 5690 MHz

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

4-6 GHz-Rev.5/Shortened Ab Scan/1-Area Scan (151x361x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 2.014 V/m; Power Drift = -1.13 dB

Fast SAR: SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00557 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0417 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/2-Zoom Scan (11x11x12)/Cube 0: Measurement grid:

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

Reference Value = 1.651 V/m; Power Drift = -1.93 dB

Peak SAR (extrapolated) = 0.141 W/kg

SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00515 W/kg (SAR corrected for target medium)

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

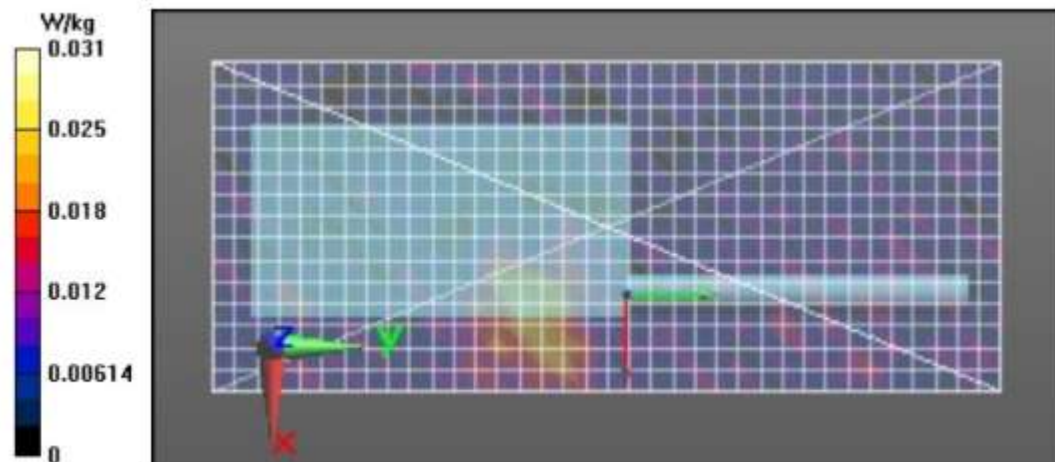
Ratio of SAR at M2 to SAR at M1 = 38.1%

Maximum value of SAR (measured) = 0.0407 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) = 0.0258 W/kg



Assessments at the Face U-NII-2A (5.25-5.35GHz)

Table 11 (FCC & ISED)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/3/2022 10:41:08 PM

Robot#: DASY5-PG-2 | Run#: MFR-FACE-220403-08
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1108
 Tissue Temp: 19.1 (C)
 Serial#: 734TYF0018
 Antenna: AN000345A01
 Test Freq: 5290.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: None, Radio @ front 2.5cm
 Audio Acc: None
 Start Power: 0.0218 (W)

Comments: Full Scan

Communication System Band: U-NII-1, U-NII-2A (5170 - 5330 MHz), Communication System UID: 10626 - AAC, Duty Cycle: 1:7.6366,

Medium parameters used: $f = 5290$ MHz; $\sigma = 4.46$ S/m; $\epsilon_r = 32.7$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7534, Calibrated: 4/19/2021, Frequency: 5290 MHz, ConvF(5.38, 5.38, 5.38) @ 5290 MHz
 Electronics: DAE4 Sn1598, Calibrated: 4/7/2021

4-6 GHz-Rev.5/Full Face Scan/1-Area Scan (131x361x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 0.8660 V/m; Power Drift = 0.06 dB

Fast SAR: SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.0044 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0284 W/kg

4-6 GHz-Rev.5/Full Face Scan/2-Zoom Scan (10x10x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.8660 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.0990 W/kg

SAR(1 g) = 0.00638 W/kg; SAR(10 g) = 0.00179 W/kg (SAR corrected for target medium)

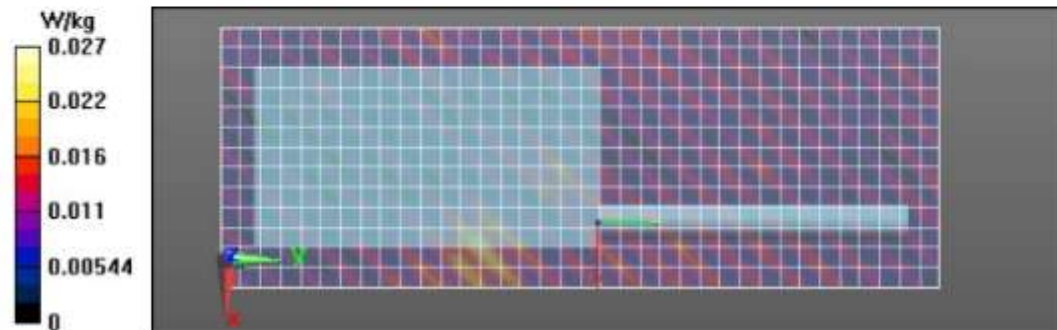
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 20.4%

Maximum value of SAR (measured) = 0.0240 W/kg

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

Maximum value of SAR (measured) = 0.0128 W/kg



Assessments at the Face U-NII-2C (5.47-5.65GHz)

Table 12 (FCC) & Table 14 (ISED)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/6/2022 12:00:52 PM

Robot#: DASY5-PG-3 | Run#: BAD-FACE-220406-05#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1108
 Tissue Temp: 21.2 (C)
 Serial#: 734TYF0018
 Antenna: AN000345A01
 Test Freq: 5530.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: None, Radio @ front 2.5cm
 Audio Acc: None
 Start Power: 0.0397 (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; $\sigma = 4.57$ S/m; $\epsilon_r = 34.1$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5530 MHz, ConvF(4.92, 4.92, 4.92) @ 5530 MHz

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

4-6 GHz-Rev.5/Shortened Face Scan/1-Area Scan (151x361x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 2.213 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.00813 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0611 W/kg

4-6 GHz-Rev.5/Shortened Face Scan/2-Zoom Scan (10x11x12)/Cube 0: Measurement grid:

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

Reference Value = 2.279 V/m; Power Drift = -0.92 dB

Peak SAR (extrapolated) = 0.115 W/kg

SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00591 W/kg (SAR corrected for target medium)

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

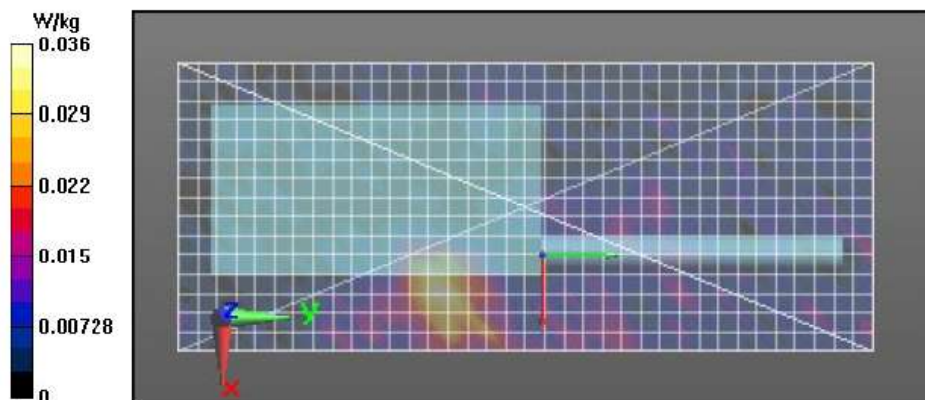
Ratio of SAR at M2 to SAR at M1 = 33.9%

Maximum value of SAR (measured) = 0.0379 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) = 0.0234 W/kg



Assessments at the Face U-NII-3 (5.65-5.85GHz)

Table 13 (FCC) & Table 15 (ISED)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/9/2022 1:47:14 PM

Robot#: DASY5-PG-3 | Run#: MA(DAN)-FACE-220409-06#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1108
 Tissue Temp: 21.6(C)
 Serial#: 734TYF0018
 Antenna: AN000345A01
 Test Freq: 5690.0000(MHz)
 Battery: PMNN4804A
 Carry Acc: None, Radio @ front 2.5cm
 Audio Acc: None
 Start Power: 0.0381(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: $f = 5690$ MHz; $\sigma = 4.9$ S/m; $\epsilon_r = 32.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5690 MHz, ConvF(4.89, 4.89, 4.89) @ 5690 MHz

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

4-6 GHz-Rev.5/Shortened Face Scan/1-Area Scan (151x361x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 1.679 V/m; Power Drift = -2.66 dB

Fast SAR: SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00625 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0372 W/kg

4-6 GHz-Rev.5/Shortened Face Scan/2-Zoom Scan (9x10x12)/Cube 0: Measurement grid:

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

Reference Value = 2.206 V/m; Power Drift = 0.66 dB

Peak SAR (extrapolated) = 0.0990 W/kg

SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00777 W/kg (SAR corrected for target medium)

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

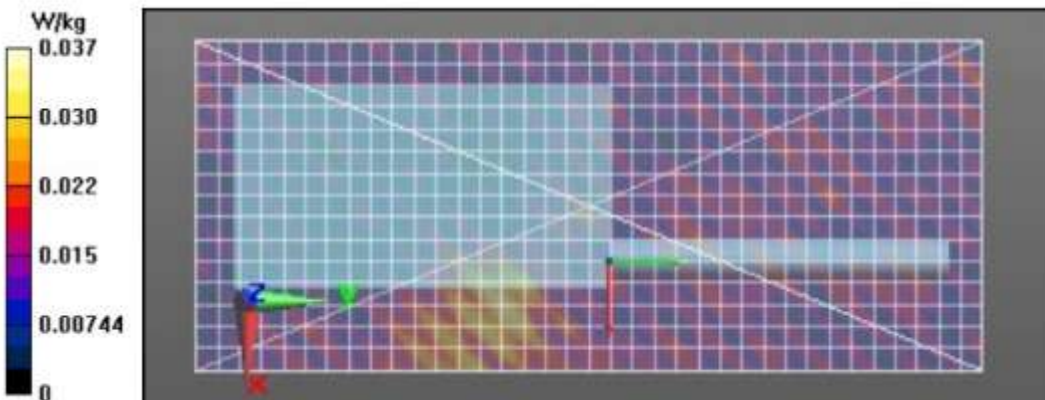
Ratio of SAR at M2 to SAR at M1 = 39.5%

Maximum value of SAR (measured) = 0.0403 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) = 0.0228 W/kg



Additional Assessments for ISED Canada

Table 14 – Body U-NII-2C (5.47-5.65GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/7/2022 9:02:42 AM

Robot#: DASY5-PG-3 | Run#: BAD-AB-220407-04#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1108
 Tissue Temp: 21.3 (C)
 Serial#: 734TYF0018
 Antenna: AN000345A01
 Test Freq: 5610.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: PMLN8126A w/ PMLN4651A
 Audio Acc: None
 Start Power: 0.0385 (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: $f = 5610$ MHz; $\sigma = 4.87$ S/m; $\epsilon_r = 32.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5610 MHz, ConvF(4.82, 4.82, 4.82) @ 5610 MHz

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

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

Reference Value = 1.924 V/m; Power Drift = -0.10 dB

Fast SAR: SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.0074 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0420 W/kg

4-6 GHz-Rev.5/Shortened Ab Scan/2-Zoom Scan (9x11x12)/Cube 0: Measurement grid:

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

Reference Value = 2.007 V/m; Power Drift = -0.35 dB

Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.00839 W/kg (SAR corrected for target medium)

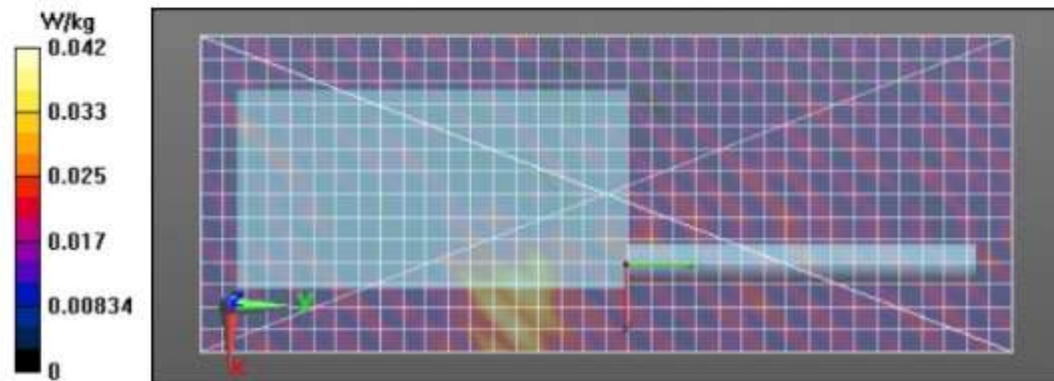
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 35.9%

Maximum value of SAR (measured) = 0.0507 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) = 0.0227 W/kg



Additional Assessments for ISED Canada

Table 15 – Body U-NII-3 (5.65-5.85GHz)

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/12/2022 9:05:53 PM

Robot#: DASY5-PG-3 | Run#: BAD-AB-220412-09
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1108
 Tissue Temp: 22.3 (C)
 Serial#: 734TYF0018
 Antenna: AN000345A01
 Test Freq: 5775.0000 (MHz)
 Battery: PMNN4804A
 Carry Acc: PMLN8126A w/ PMLN7008A
 Audio Acc: None
 Start Power: 0.0366 (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: $f = 5775$ MHz; $\sigma = 4.82$ S/m; $\epsilon_r = 31.9$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 5775 MHz, ConvF(4.89, 4.89, 4.89) @ 5775 MHz

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

4-6 GHz-Rev.5/Shortened Ab Scan/1-Area Scan (151x361x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 1.894 V/m; Power Drift = 0.58 dB

Fast SAR: SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00556 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0647 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 = 2.611 V/m; Power Drift = -0.46 dB

Peak SAR (extrapolated) = 0.0770 W/kg

SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.00837 W/kg (SAR corrected for target medium)

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

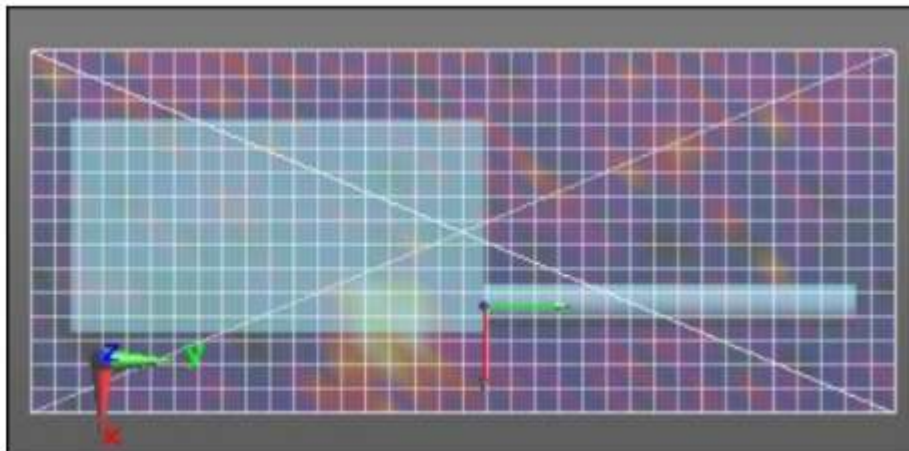
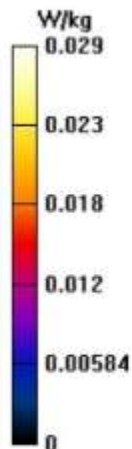
Ratio of SAR at M2 to SAR at M1 = 64%

Maximum value of SAR (measured) = 0.0401 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) = 0.0259 W/kg



Assessment for LTE Band 2 (1850-1910 MHz)

Assessments at the Body – Table 19

Motorola Solutions, EME Laboratory

2022-04-06, 21:46

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 2, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SiSO, Channel 18700 (1860.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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, 0.00	Band 2, E-UTRA/FDD	LTE-FDD, 10169-CAE	1860.0, 18700	7.63	1.33	40.4

Hardware Setup

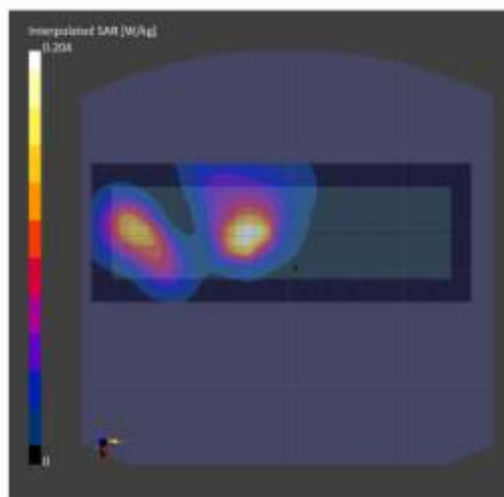
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL1900, 2022-Apr-06	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-06, 21:46	2022-04-06, 21:53
psSAR1g [W/Kg]	0.175	0.177
psSAR10g [W/Kg]	0.100	0.103
Power Drift [dB]	-0.04	-0.08
TSL Correction	Positive only	Positive only
M2/M1 [%]		86.1
Dist 3dB Peak [mm]		12.4



Assessments at the Face

Table 20

Motorola Solutions, EME Laboratory

2022-04-07, 09:55

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 2, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCf:SI50, Channel 18900 (1880.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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, 0.00	Band 2, E-UTRA/FDD	LTE-FDD, 10169-CAE	1880.0, 18900	7.63	1.35	40.4

Hardware Setup

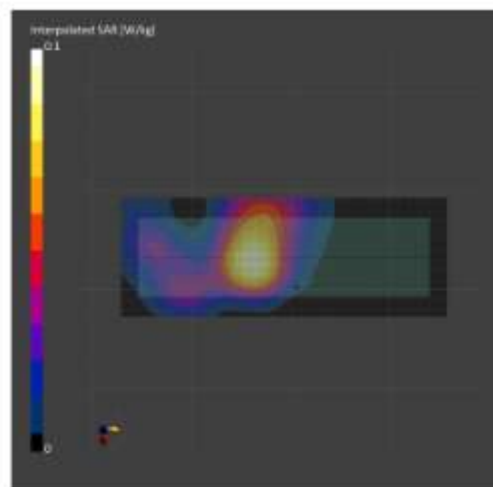
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
EU V4.0 (26deg probe tilt) - EU4 1109	HSL1900, 2022-Apr-06	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + Gp	VMS + Gp
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-07, 09:55	2022-04-07, 10:02
psSAR1g [W/Kg]	0.083	0.085
psSAR10g [W/Kg]	0.052	0.055
Power Drift [dB]	0.12	0.32
TSL Correction	Positive only	Positive only
M2/M1 [%]		87.3
Dist 3dB Peak [mm]		> 15.0



Additional Assessments for ISED Canada

Table 21 – Body

Motorola Solutions, EME Laboratory

2022-04-18, 15:09

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 2, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) R8Position:Low AntennaCfg:SISO, Channel 18900 (1880.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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, 0.00	Band 2, E-UTRA/FDD	LTE-FDD, 10169-CAE	1880.0, 18900	7.63	1.35	41.5

Hardware Setup

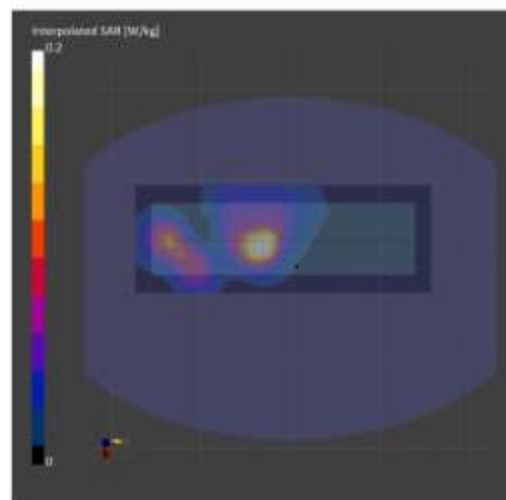
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) – ELI4 1109	HSL1900, 2022-Apr-18	EX3DV4 – SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-18, 15:09	2022-04-18, 15:16
psSAR1g [W/Kg]	0.175	0.194
psSAR10g [W/Kg]	0.103	0.110
Power Drift [dB]	0.40	0.27
TSL Correction	Positive only	Positive only
M2/M1 [%]		83.4
Dist 3dB Peak [mm]		10.3



Additional Assessments for ISED Canada

Table 21 – Face

Motorola Solutions, EME Laboratory

2022-04-07, 10:23

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 2, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RPosition:Low AntennaCfg:SISO, Channel 18700 (1860.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	295.0 x 80.0 x 40.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, URD	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band 2, E-UTRA/FDD	LTE-FDD, 10169-CAE	1860.0, 18700	7.63	1.33	40.4

Hardware Setup

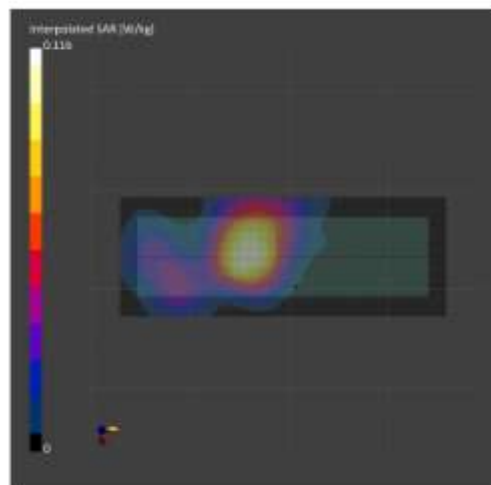
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - EL34 1109	HSL1900 - 2022-Apr-06	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 5p	VMS + 5p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-07, 10:23	2022-04-07, 10:30
psSAR1g [W/Kg]	0.101	0.087
psSAR10g [W/Kg]	0.062	0.056
Power Drift [dB]	-0.05	0.29
TSL Correction	Positive only	Positive only
M2/M1 [%]		87.8
Dist 3dB Peak [mm]		> 15.0



Assessment for LTE Band 4 (1710 – 1755 MHz)

Assessments at the Body – Table 23 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-07, 19:06

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 4, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 20175 (1732.5 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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, 0.00	Band 4, E-UTRA/FDD	LTE-FDD, 10169-CAE	1732.5, 20175	7.85	1.30	40.7

Hardware Setup

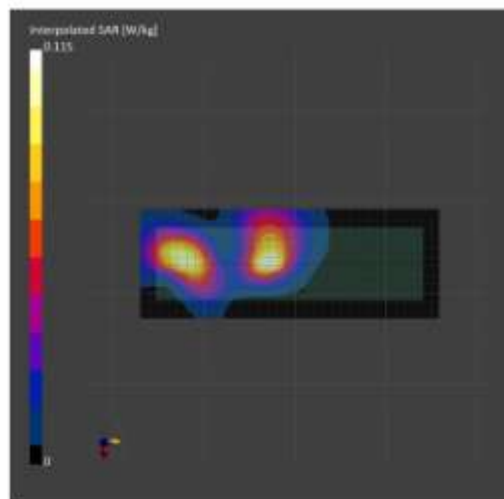
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) – ELI4 1100	HSL1800, 2022-Apr-07	EX3DV4 – SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-07, 19:06	2022-04-07, 19:13
psSAR1g [W/Kg]	0.101	0.099
psSAR10g [W/Kg]	0.059	0.057
Power Drift [dB]	0.52	0.15
TSL Correction	Positive only	Positive only
M2/M1 [%]		81.7
Dist 3dB Peak [mm]		10.7



Assessments at the Face

Table 24 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-27, 04:26

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 4, E-UTRA/FDD, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) RBPosition:High AntennaCfg:SiSO, Channel 20175 (1732.5 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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	Band 4, E-UTRA/FDD	LTE-FDD, 10297-AAD	1732.5, 20175	7.85	1.29	39.3

Hardware Setup

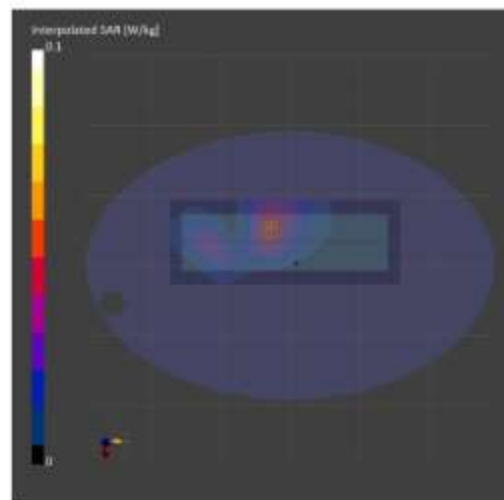
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL1806, 2022-Apr-27	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-27, 04:26	2022-04-27, 04:33
psSAR1g [W/Kg]	0.045	0.045
psSAR10g [W/Kg]	0.029	0.030
Power Drift [dB]	0.06	0.06
TSL Correction	Positive only	Positive only
M2/M1 [%]		88.1
Dist 3dB Peak [mm]		> 15.0



Assessment for LTE Band 5 (824 – 849 MHz)

Assessments at the Body – Table 26 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-08, 16:36

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 5, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) R8Position:High AntennaCfg:SISO, Channel 20525 (836.5 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	205.0 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, 0.00	Band 5, E-UTRA/FDD	LTE-FDD, 10175-CAG	836.5, 20525	9.22	0.872	42.9

Hardware Setup

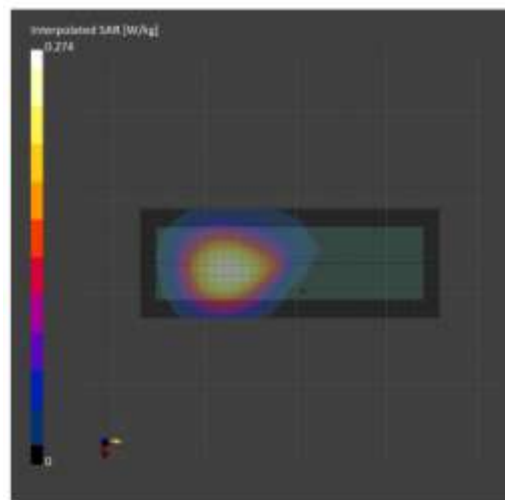
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL835, 2022-Apr-08	EX3DV4 - 5N7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-08, 16:36	2022-04-08, 16:43
psSAR1g [W/Kg]	0.252	0.257
psSAR10g [W/Kg]	0.175	0.192
Power Drift [dB]	-0.01	0.05
TSL Correction	Positive only	Positive only
M2/M1 [%]		92.5
Dist 3dB Peak [mm]		> 15.0



Assessments at the Face

Table 27 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-08, 20:37

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 5, E-UTRA/FDD, LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) RBPosition:High AntennaCfg:SiSO, Channel 20525 (836.5 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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	Band 5, E-UTRA/FDD	LTE-FDD, 10154-CAG	836.5, 20525	9.22	0.872	42.9

Hardware Setup

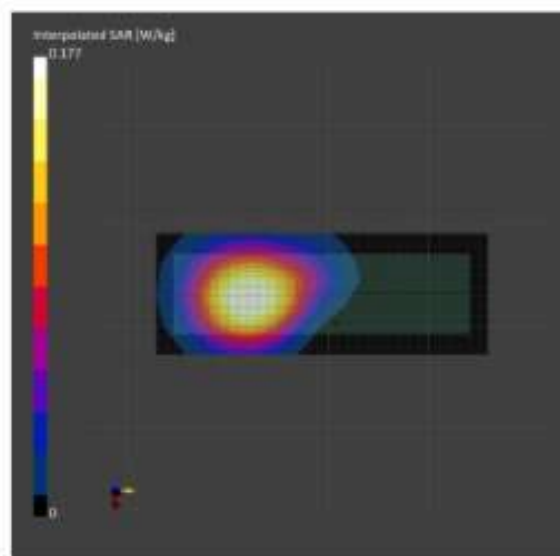
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL835, 2022-Apr-08	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-08, 20:37	2022-04-08, 20:45
μ SAR1g [W/Kg]	0.163	0.168
μ SAR10g [W/Kg]	0.114	0.125
Power Drift [dB]	-0.10	0.06
TSL Correction	Positive only	Positive only
M2/M1 [dB]		91.4
Dist 3dB Peak [mm]		> 15.0



Assessment for LTE Band 7 (2500-2570 MHz)

Assessments at the Body – Table 29 (FCC) & Table 31 (ISED)

Motorola Solutions, EME Laboratory

2022-04-12, 09:23

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 7, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) R8Position:Low AntennaCf9:SISO, Channel 20850 (2510.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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, 0.00	Band 7, E-UTRA/FDD	LTE-FDD, 10169-CAE	2510.0, 20850	6.8	1.81	40.2

Hardware Setup

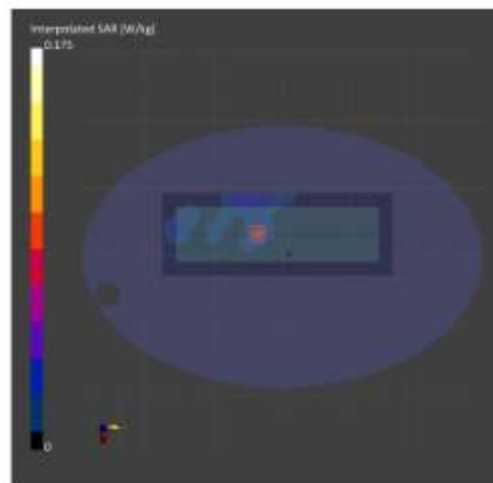
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
EU V4.0 (20deg probe tilt) - EJM 1109	HSL2600, 2022-Apr-11	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 336.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-12, 09:23	2022-04-12, 09:32
psSAR1g [W/Kg]	0.086	0.001
psSAR10g [W/Kg]	0.040	0.044
Power Drift [dB]	0.10	0.32
TSL Correction	Positive only	Positive only
M2/M1 [%]		82.9
Dist 3dB Peak [mm]		10.3



Assessments at the Face

Table 30 (FCC) & Table 31 (ISED)

Motorola Solutions, EME Laboratory

2022-04-11, 21:28

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 7, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 20850 (2510.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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	Band 7, E-UTRA/FDD	LTE-FDD, 10169-CAE	2510.0, 20850	6.8	1.81	40.2

Hardware Setup

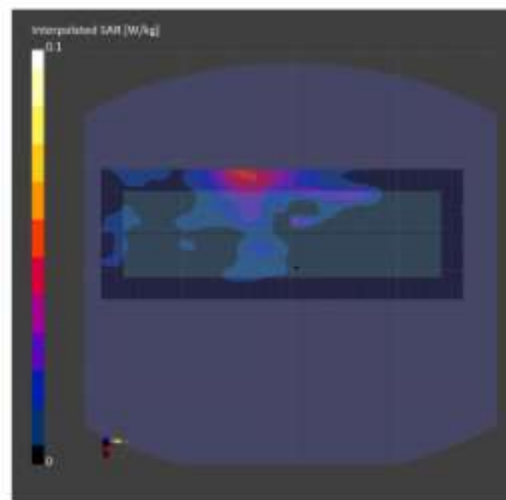
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL2600, 2022-Apr-11	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 336.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-11, 21:28	2022-04-11, 21:37
psSAR1g [W/Kg]	0.043	0.045
psSAR10g [W/Kg]	0.024	0.026
Power Drift [dB]	-0.01	0.18
TSL Correction	Positive only	Positive only
M2/M1 [N]		23.2
Dist 3dB Peak [mm]		> 15.0



Assessment for LTE Band 12 (699-716 MHz)

Assessments at the Body – Table 33 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-10, 11:17

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 12, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCf:SI50, Channel 23095 (707.5 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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, 0.00	Band 12, E-UTRA/FDD	LTE-FDD, 10175-CAG	707.5, 23095	9.52	0.850	40.6

Hardware Setup

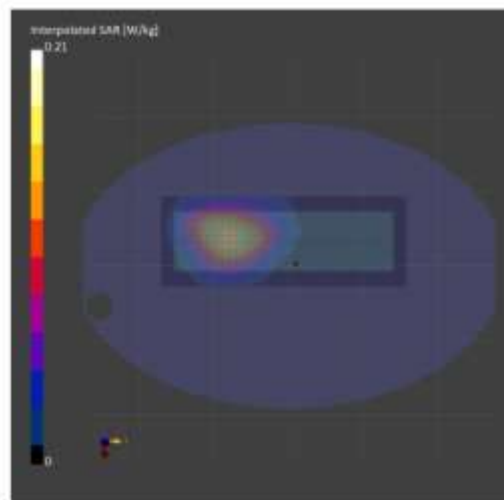
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
EU V4.0 (20deg probe tilt) - EU4 1109	HSL750, 2022-Apr-10	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-10, 11:17	2022-04-10, 11:24
psSAR1g [W/Kg]	0.166	0.170
psSAR10g [W/Kg]	0.118	0.129
Power Drift [dB]	0.06	0.09
TSL Correction	Positive only	Positive only
M2/M1 [%]		93.9
Dist 3dB Peak [mm]		> 15.0



Assessments at the Face

Table 34 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-10, 11:50

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 12, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 23095 (707.5 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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	Band 12, E-UTRA/FDD	LTE-FDD, 10175-CAG	707.5, 23095	9.52	0.850	40.6

Hardware Setup

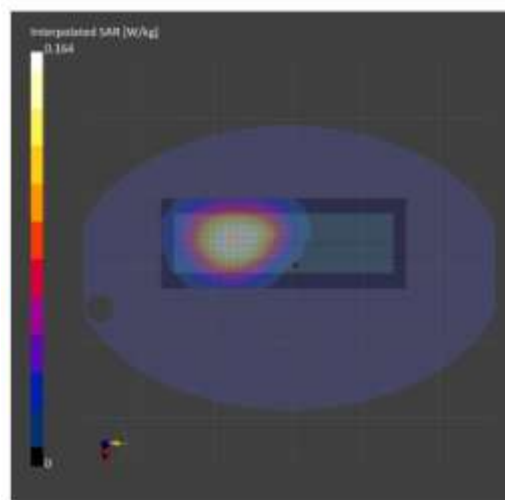
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) ~ ELI4 1109	HSL750, 2022-Apr-10	EX3DV4 ~ SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-10, 11:50	2022-04-10, 11:57
psSAR1g [W/Kg]	0.129	0.133
psSAR10g [W/Kg]	0.092	0.101
Power Drift [dB]	0.02	-0.25
TSL Correction	Positive only	Positive only
M2/M1 [N]		94.2
Dist 3dB Peak [mm]		> 15.0



Assessment for LTE Band 13 (777-787 MHz)

Assessments at the Body – Table 36 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-08, 21:08

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 13, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:High AntennaCfg:SiSO, Channel 23230 (782.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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, 0.00	Band 13, E-UTRA/FDD	LTE-FDD, 10175-CAC	782.0, 23230	9.52	0.854	43.1

Hardware Setup

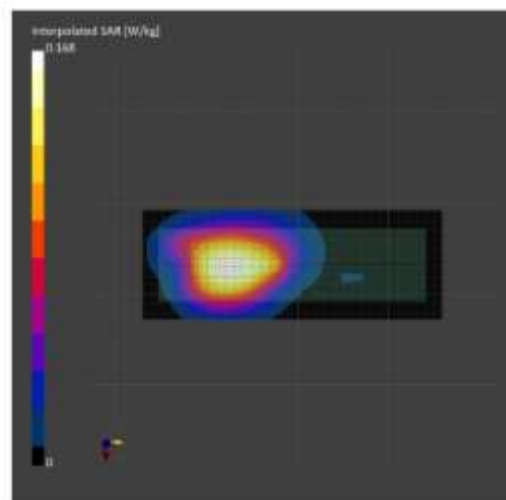
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL835, 2022-Apr-08	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-08, 21:08	2022-04-08, 21:15
psSAR1g [W/Kg]	0.135	0.157
psSAR10g [W/Kg]	0.109	0.118
Power Drift [dB]	-0.01	0.05
TSL Correction	Positive only	Positive only
M2/M1 [N]		92.8
Dist 3dB Peak [mm]		> 15.0



Assessments at the Face

Table 37 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-09, 10:50

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 13, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 23230 (782.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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	Band 13, E-UTRA/FDD	LTE-FDD, 10175-CAG	782.0, 23230	9.52	0.854	43.1

Hardware Setup

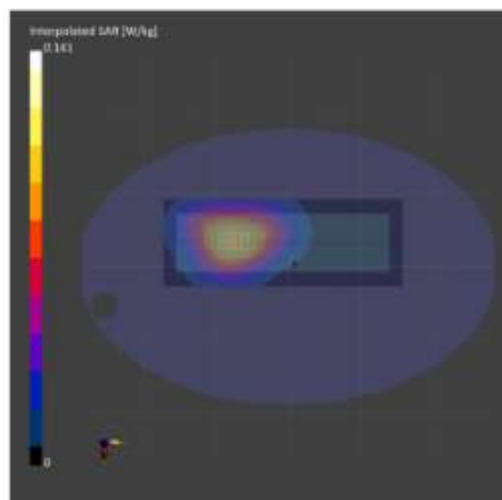
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL835, 2022-Apr-08	EX3DV4 - SN7511, 2021-06-18	DAE4 5e729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-09, 10:50	2022-04-09, 10:57
psSAR1g [W/Kg]	0.110	0.113
psSAR10g [W/Kg]	0.077	0.085
Power Drift [dB]	0.03	0.11
TSL Correction	Positive only	Positive only
M2/M1 [%]		93.1
Dist 3dB Peak [mm]		> 15.0



Assessment for LTE Band 14 (788-798 MHz)

Assessments at the Body – Table 39 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-09, 13:59

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 14, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 23330 (793.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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, 0.00	Band 14, E-UTRA/FDD	LTE-FDD, 10175-CAG	793.0, 23330	9.52	0.857	43.0

Hardware Setup

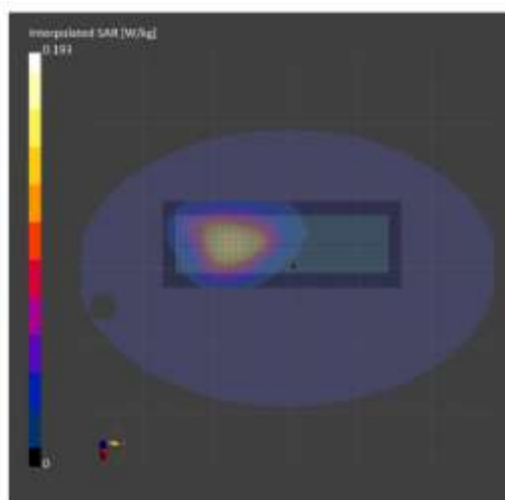
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL835, 2022-Apr-08	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-09, 13:59	2022-04-09, 14:06
ptSAR1q [W/Kg]	0.156	0.156
ptSAR10g [W/Kg]	0.109	0.117
Power Drift [dB]	0.02	0.07
TSL Correction	Positive only	Positive only
M2/M1 [%]		93.8
Dist 3dB Peak [mm]		> 15.0



Assessments at the Face

Table 40 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-09, 11:42

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 14, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Channel 23330 (793.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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	Band 14, E-UTRA/FDD	LTE-FDD, 10175-CAG	793.0, 23330	9.52	0.857	43.0

Hardware Setup

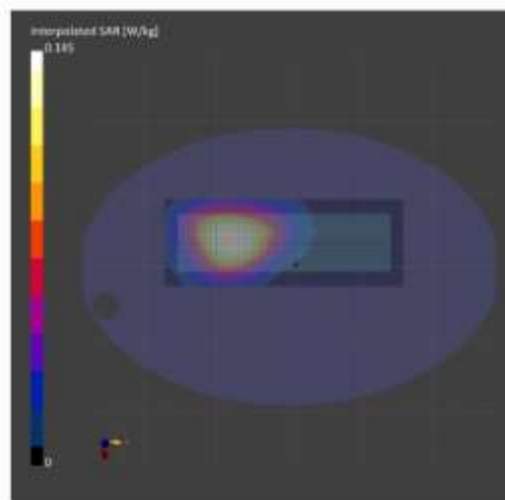
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (26deg probe tilt) - ELI4 1109	HSL835, 2022-Apr-08	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 330.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAJA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-09, 11:42	2022-04-09, 11:50
psSAR1g [W/Kg]	0.112	0.116
psSAR10g [W/Kg]	0.079	0.087
Power Drift [dB]	0.03	0.10
TSL Correction	Positive only	Positive only
M2/M1 [%]		92.3
Dist 3dB Peak [mm]		> 15.0



Assessment for LTE Band 30 (2305-2315 MHz)

Assessments at the Body – Table 43 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-13, 02:41

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 30, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Low AntennaCfg:SISO, Channel 27710 (2310.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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, 0.00	Band 30, E-UTRA/FDD	LTE-FDD, 10175-CAG	2310.0, 27710	7.18	1.65	37.9

Hardware Setup

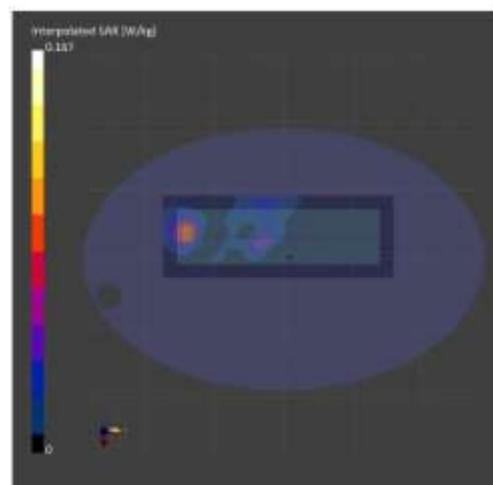
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) – EL34 1109	HSL2300, 2022-Apr-12	EX3DV4 – SN7511, 2021-06-18	DAE4 Sn729, 2021-06-05

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 336.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-13, 02:41	2022-04-13, 02:50
psSAR1g [W/Kg]	0.091	0.094
psSAR10g [W/Kg]	0.049	0.052
Power Drift [dB]	-0.06	-0.12
TSL Correction	Positive only	Positive only
M2/M1 [%]		84.1
Dist 3dB Peak [mm]		14.3



Assessments at the Face

Table 44 (FCC & ISED)

Motorola Solutions, EME Laboratory

2022-04-13, 04:59

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 30, E-UTRA/FDD, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Low AntennaCf:SSO, Channel 27710 (2310.0 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	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	Band 30, E-UTRA/FDD	LTE-FDD, 10175-CAG	2310.0, 27710	7.18	1.65	37.9

Hardware Setup

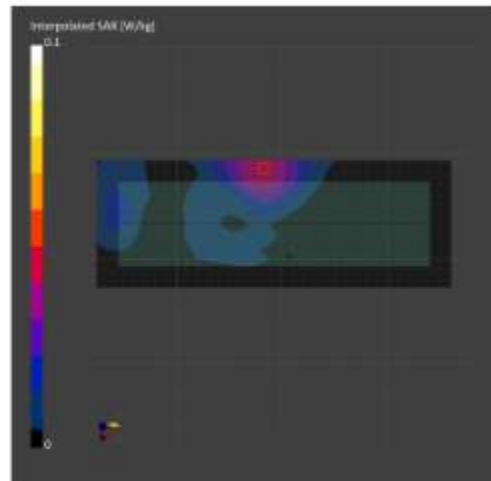
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
EU V4.0 (20deg probe tilt) - ELJ4 1109	HSL2300, 2022-Apr-12	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 336.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	3.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-13, 04:59	2022-04-13, 05:34
psSAR1g [W/Kg]	0.035	0.037
psSAR10g [W/Kg]	0.022	0.022
Power Drift [dB]	0.59	-0.21
TSL Correction	Positive only	Positive only
M2/M1 [N]		84.0
Dist 3dB Peak [mm]		> 15.0



Assessment for LTE Band 48 (3550-3700 MHz)

Assessments at the Body – Table 46 (FCC) & Table 48 (ISED)

Motorola Solutions, EME Laboratory

2022-04-14, 04:11

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 48, E-UTRA/TDD, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) RBPosition:High AntennaCfg:SISO, Channel 56207 (3646.7 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	295.0 x 80.0 x 49.0

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, 0.00	Band 48, E-UTRA/TDD	LTE-TDD, 10435-AAF	3646.7, 56207	6.38	2.85	38.9

Hardware Setup

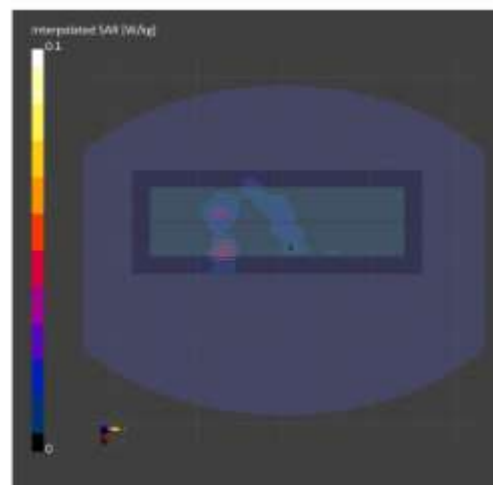
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - EL34 1109	HSL3700, 2022-Apr-13	EX3DV4 - 5N7511, 2021-06-18	DAE4 5n729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 336.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-14, 04:11	2022-04-14, 04:23
psSAR1g [W/Kg]	0.039	0.040
psSAR10g [W/Kg]	0.016	0.014
Power Drift [dB]	0.58	0.51
TSL Correction	Positive only	Positive only
M2/M1 [N]		66.0
Dist 3dB Peak [mm]		> 15.0



Assessments at the Face

Table 47 (FCC) & Table 48 (ISED)

Motorola Solutions, EME Laboratory

2022-04-15, 08:19

Measurement Report for AAH90UCU9RH1AN (PMUF5678A), 734TYF0025, FRONT, Band 48, E-UTRA/TDD, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) RBPosition:Mid AntennaCfg:SISO, Channel 55773 (3603.3 MHz)

Device Under Test Properties

Model	Serial Number	Dimensions [mm]
AAH90UCU9RH1AN (PMUF5678A)	734TYF0025	295.0 x 80.0 x 40.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UTD	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band 48, E-UTRA/TDD	LTE-TDD, 10435-AAF	3603.3, 55773	6.38	2.82	40.9

Hardware Setup

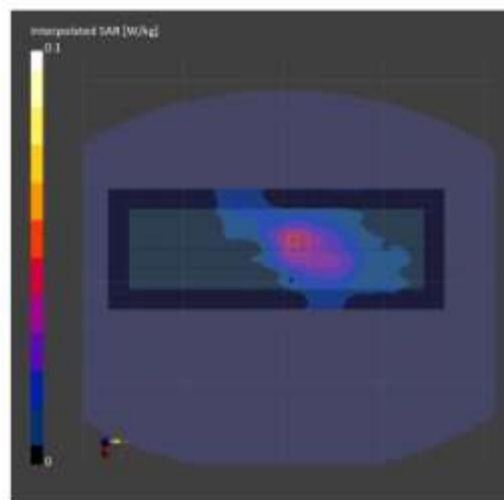
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V4.0 (20deg probe tilt) - ELI4 1109	HSL3700, 2022-Apr-15	EX3DV4 - SN7511, 2021-06-18	DAE4 Sn729, 2021-06-09

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 336.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5
MAIA	Y	Y
Surface Deflection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2022-04-15, 08:19	2022-04-15, 08:29
psSAR1g [W/Kg]	0.036	0.041
psSAR10g [W/Kg]	0.019	0.020
Power Drift [dB]	-0.02	0.07
TSL Correction	Positive only	Positive only
M2/M1 [%]		78.8
Dist 3dB Peak [mm]		> 15.0



Appendix E
Shorten Scan of Highest SAR Configuration

Table 54

Motorola Solutions, Inc. EME Laboratory

Date/Time: 4/12/2022 1:33:06 AM

Robot#: DASY5-PG-3 | Run#: BAD-AB-220412-02#
 Model#: AAH90UCU9RH1AN (PMUF5678A)
 Phantom#: ELI4 1011
 Tissue Temp: 21.8 (C)
 Serial#: 734TYF0018
 Antenna: AN000415A01
 Test Freq: 851.0000 (MHz)
 Battery: PMNN4803A
 Carry Acc: @ front
 Audio Acc: N/A
 Start Power: 3.00 (W)

Comments:

Communication System Band: Mackenzie 8900, Communication System UID: 0, Duty Cycle: 1:1,
 Medium parameters used: $f = 851 \text{ MHz}$; $\sigma = 0.95 \text{ S/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7533, Calibrated: 4/19/2021, Frequency: 851 MHz, ConvF(10.5, 10.5, 10.5) @ 851 MHz
 Electronics: DAE3 Sn374, Calibrated: 4/8/2021

Below 2 GHz-Rev.3/Face scan/1-Area Scan (81x231x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 61.10 V/m; Power Drift = -0.44 dB

Fast SAR: SAR(1 g) = 3.2 W/kg; SAR(10 g) = 2.23 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 4.06 W/kg

Below 2 GHz-Rev.3/Face scan/2-Volume 2D Scan (41x41x1): Interpolated grid: $dx=0.7500 \text{ mm}$, $dy=0.7500 \text{ mm}$, $dz=1.000 \text{ mm}$

Reference Value = 61.10 V/m; Power Drift = -0.45 dB

Fast SAR: SAR(1 g) = 3.19 W/kg; SAR(10 g) = 2.26 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 3.97 W/kg

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

Reference Value = 72.78 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 4.88 W/kg

SAR(1 g) = 3.65 W/kg; SAR(10 g) = 2.63 W/kg (SAR corrected for target medium)

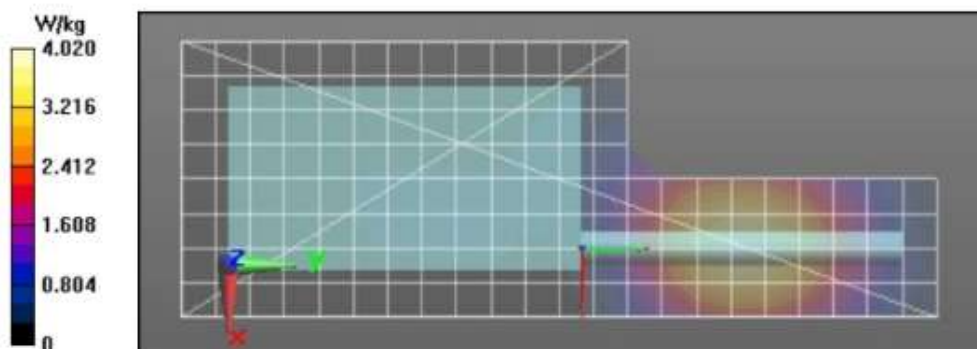
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 74.1%

Maximum value of SAR (measured) = 4.50 W/kg

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

Maximum value of SAR (measured) = 3.96 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)	54	7	1.89
Full scan (area & zoom)	45	30	1.83