

Appendix D DUT Scans

Refer to Report Part 2 of 4

FCC Body Assessments at WCDMA Band 2 (1850 – 1910 MHz)

Table 5

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/29/2022 9:32:18 AM

Robot#: DASY5-PG-3 | Run#: BAD-AB-220829-05
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 21.4 (C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 1907.6000 (MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.251 (W)

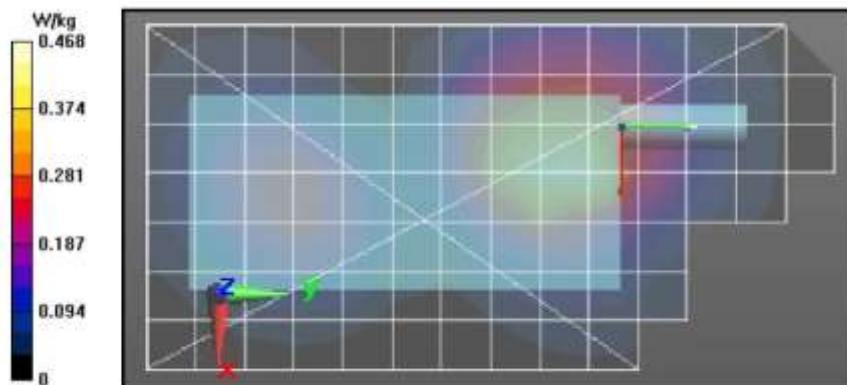
Comments:

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB, Duty Cycle: 1:1.95434,
 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1907.6 MHz, ConvF(8.36, 8.36, 8.36) @ 1907.6 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 16.63 V/m; Power Drift = -0.53 dB
Fast SAR: SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.204 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.502 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 = 16.63 V/m; Power Drift = -0.45 dB
 Peak SAR (extrapolated) = 0.570 W/kg
SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.207 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 14.2 mm
 Ratio of SAR at M2 to SAR at M1 = 58.4%
 Maximum value of SAR (measured) = 0.482 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) = 0.507 W/kg



FCC Face Assessments at WCDMA Band 2 (1850 – 1910 MHz)

Table 6

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/29/2022 1:54:42 PM

Robot#: DASY5-PG-3 | Run#: BAD-FACE-220829-09
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 21.8 (C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 1907.6000 (MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom.
 Audio Acc: None
 Start Power: 0.251 (W)

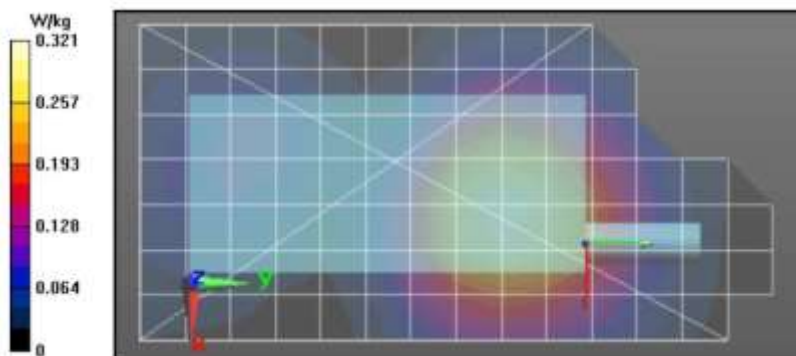
Comments:

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB,
 Duty Cycle: 1:1.95434,
 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.5$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1907.6 MHz, ConvF(8.36, 8.36, 8.36) @ 1907.6 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 15.37 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.147 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.326 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 = 15.37 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 0.372 W/kg
SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.148 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
 Ratio of SAR at M2 to SAR at M1 = 61.1%
 Maximum value of SAR (measured) = 0.320 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.320 W/kg



ISED Body Assessments at WCDMA Band 2 (1850 – 1910 MHz)

Table 7

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/14/2022 8:06:01 AM

Robot#: DASY5-PG-3 | Run#: DAN-AB-221114-09#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.9 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 1880.0000MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.2208(W)

Comments:

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB, Duty Cycle: 1:1.95434,

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1880 MHz, ConvF(8.36, 8.36, 8.36) @ 1880 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 17.50 V/m; Power Drift = -0.06 dB

Fast SAR: SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.212 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.499 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 = 17.50 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.675 W/kg

SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.230 W/kg (SAR corrected for target medium)

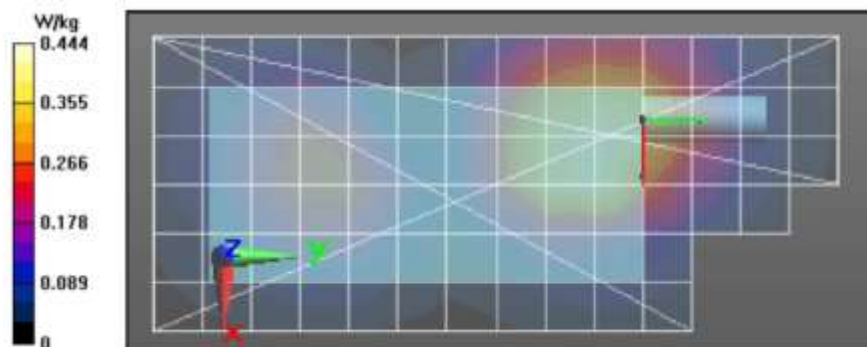
Smallest distance from peaks to all points 3 dB below = 10.6 mm

Ratio of SAR at M2 to SAR at M1 = 55.1%

Maximum value of SAR (measured) = 0.547 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) = 0.601 W/kg



ISED Face Assessments at WCDMA Band 2 (1850 – 1910 MHz)

Table 7

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/14/2022 9:13:08 AM

Robot#: DASY5-PG-3 | Run#: DAN-FACE-221114-11#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.7(C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 1852.4000MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom.
 Audio Acc: None
 Start Power: 0.2094(W)

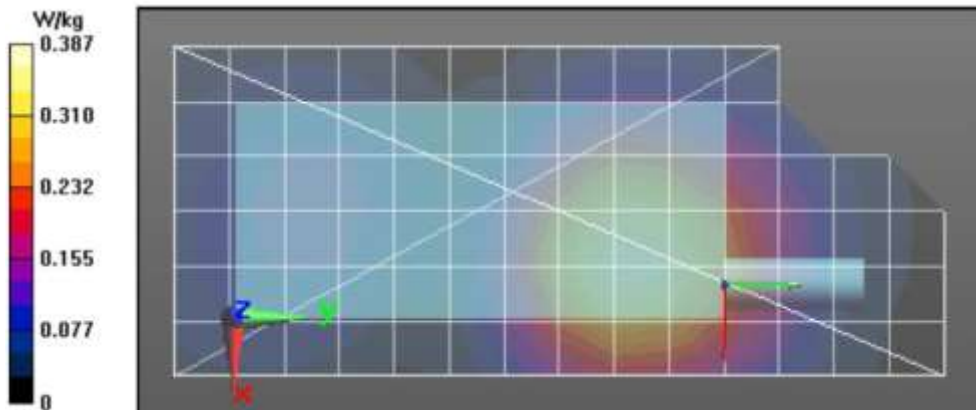
Comments:

Communication System Band: Band 2, UTRA/FDD (1850.0 - 1910.0 MHz), Communication System UID: 10011 - CAB, Duty Cycle: 1:1.95434,
 Medium parameters used: $f = 1852 \text{ MHz}$; $\sigma = 1.38 \text{ S/m}$; $\epsilon_r = 38.6$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1852.4 MHz, ConvF(8.36, 8.36, 8.36) @ 1852.4 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 17.53 V/m; Power Drift = -0.26 dB
Fast SAR: SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.177 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.393 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 = 17.53 V/m; Power Drift = -0.35 dB
 Peak SAR (extrapolated) = 0.443 W/kg
SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.183 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
 Ratio of SAR at M2 to SAR at M1 = 62.3%
 Maximum value of SAR (measured) = 0.385 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.379 W/kg



FCC/ISED Body Assessments at WCDMA Band 4 (1710– 1755 MHz)

Table 9 & 11

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/14/2022 8:39:30 AM

Robot#: DASY5-PG-3 | Run#: DAN-AB-221114-10#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.9 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 1752.6000MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.1875 (W)

Comments:

Communication System Band: Band 4, UTRA/FDD (1710.0 - 1755.0 MHz), Communication System UID: 10011 - CAB, Duty Cycle: 1:1.95434,

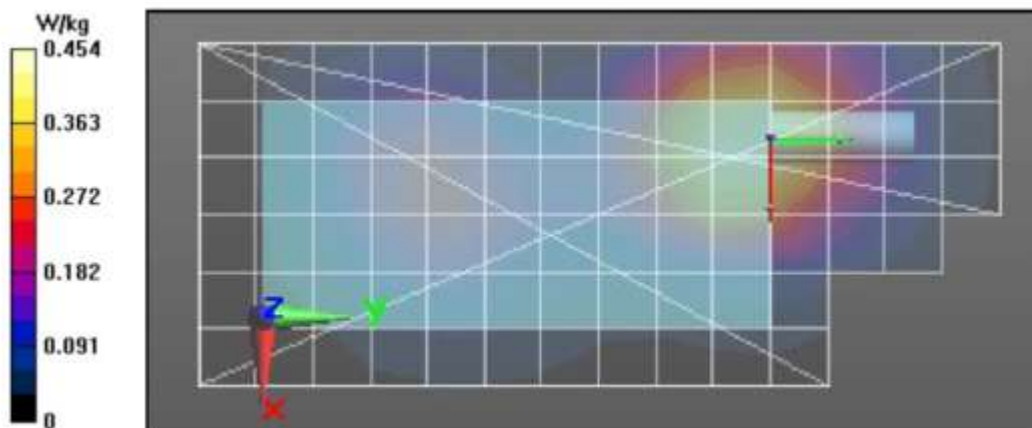
Medium parameters used: $f = 1753$ MHz; $\sigma = 1.33$ S/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1752.6 MHz, ConvF(8.43, 8.43, 8.43) @ 1752.6 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 15.04 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.218 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.485 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 = 15.04 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 0.573 W/kg
SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.230 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 27.6 mm
 Ratio of SAR at M2 to SAR at M1 = 61.8%
 Maximum value of SAR (measured) = 0.494 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) = 0.490 W/kg



FCC/ISED Face Assessments at WCDMA Band 4 (1710– 1755 MHz)

Table 10 & 11

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/25/2022 10:07:52 AM

Robot#: DASY5-PG-3 | Run#: DAN-FACE-221125-05#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.3(C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 1752.6000
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom.
 Audio Acc: None
 Start Power: 0.1875 (W)

Comments:

Communication System Band: Band 4, UTRA/FDD (1710.0 - 1755.0 MHz), Communication System UID: 10011 - CAB, Duty Cycle: 1:1.95434,

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.32$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1752.6 MHz, ConvF(8.43, 8.43, 8.43) @ 1752.6 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 16.37 V/m; Power Drift = 0.07 dB

Fast SAR: SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.171 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.366 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 = 16.37 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.428 W/kg

SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.184 W/kg (SAR corrected for target medium)

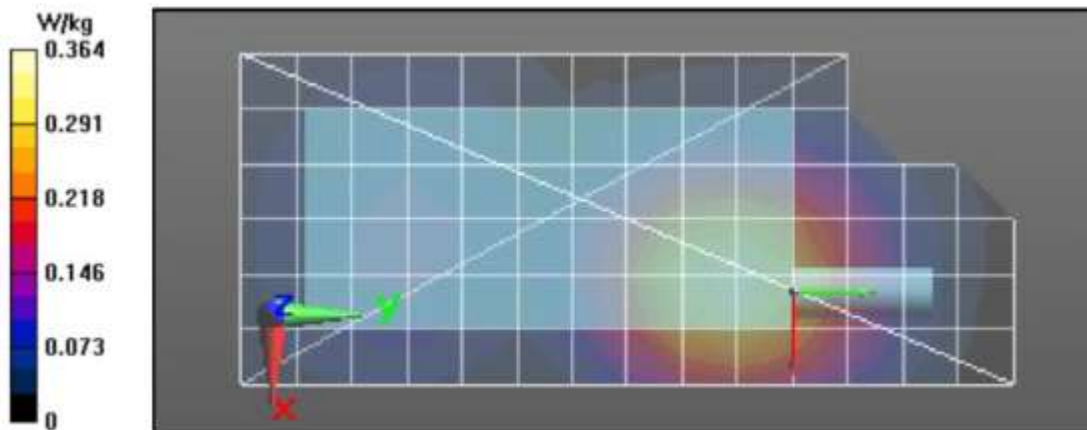
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

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

Maximum value of SAR (measured) = 0.374 W/kg

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

Maximum value of SAR (measured) = 0.376 W/kg



FCC Body Assessments at WCDMA Band 5 (824– 849 MHz)

Table 13

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/30/2022 9:58:22 AM

Robot#: DASY5-PG-3 | Run#: BAD-AB-220830-04
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 22.0 (C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 836.4000 (MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8439A
 Audio Acc: None
 Start Power: 0.243 (W)

Comments:

Communication System Band: Band 5, UTRA/FDD (824.0 - 849.0 MHz), Communication System UID: 10011 - CAB, Duty Cycle: 1:1.95434,

Medium parameters used: $f = 836$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 836.4 MHz, ConvF(9.8, 9.8, 9.8) @ 836.4 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 19.00 V/m; Power Drift = -0.24 dB

Fast SAR: SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.248 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.458 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 = 19.00 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.264 W/kg (SAR corrected for target medium)

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

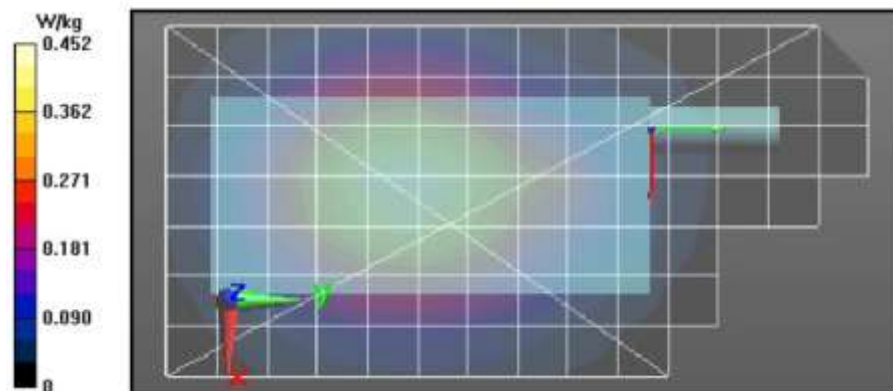
Ratio of SAR at M2 to SAR at M1 = 73.4%

Maximum value of SAR (measured) = 0.456 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) = 0.451 W/kg



FCC Face Assessments at WCDMA Band 5 (824– 849 MHz)

Table 14

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/30/2022 1:37:05 PM

Robot#: DASY5-PG-3 | Run#: BAD-FACE-220830-07
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 21.7 (C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 836.4000 (MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom.
 Audio Acc: None
 Start Power: 0.243 (W)

Comments:

Communication System Band: Band 5, UTRA/FDD (824.0 - 849.0 MHz), Communication System UID: 10011 - CAB, Duty Cycle: 1:1.95434,

Medium parameters used: $f = 836$ MHz; $\sigma = 0.92$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 836.4 MHz, ConvF(9.8, 9.8, 9.8) @ 836.4 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 15.11 V/m; Power Drift = 0.07 dB

Fast SAR: SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.166 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.300 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 = 15.11 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.330 W/kg

SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.179 W/kg (SAR corrected for target medium)

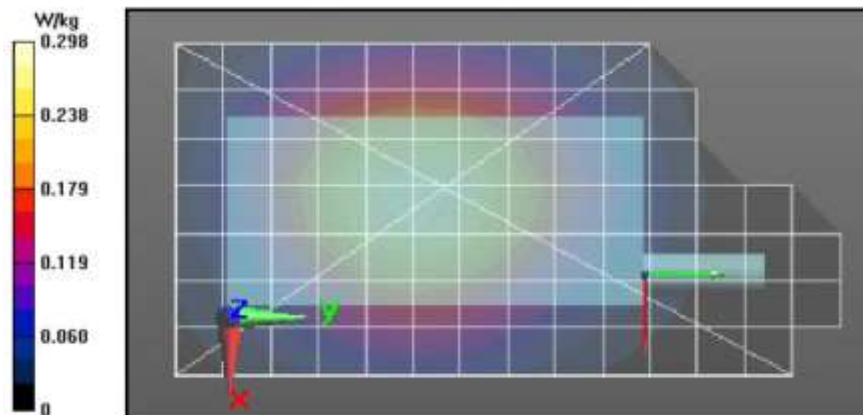
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 73.4%

Maximum value of SAR (measured) = 0.301 W/kg

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

Maximum value of SAR (measured) = 0.301 W/kg



ISED Body Assessments at WCDMA Band 5 (824– 849 MHz)

Table 15

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/14/2022 3:00:28 AM

Robot#: DASY5-PG-3 | Run#: IRA-AB-221114-02#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.9 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 826.4000 MHz
 Battery: PMNN4578A
 Carry Acc: PMLN8439A
 Audio Acc: None
 Start Power: 0.2208 (W)

Comments:

Communication System Band: Band 5, UTRA/FDD (824.0 - 849.0 MHz), Communication System UID: 10011 - CAB, Duty Cycle: 1:1.95434,

Medium parameters used: $f = 826$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 826.4 MHz, ConvF(9.8, 9.8, 9.8) @ 826.4 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 20.74 V/m; Power Drift = -0.38 dB

Fast SAR: SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.315 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.562 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 = 20.74 V/m; Power Drift = -0.35 dB

Peak SAR (extrapolated) = 0.597 W/kg

SAR(1 g) = 0.462 W/kg; SAR(10 g) = 0.333 W/kg (SAR corrected for target medium)

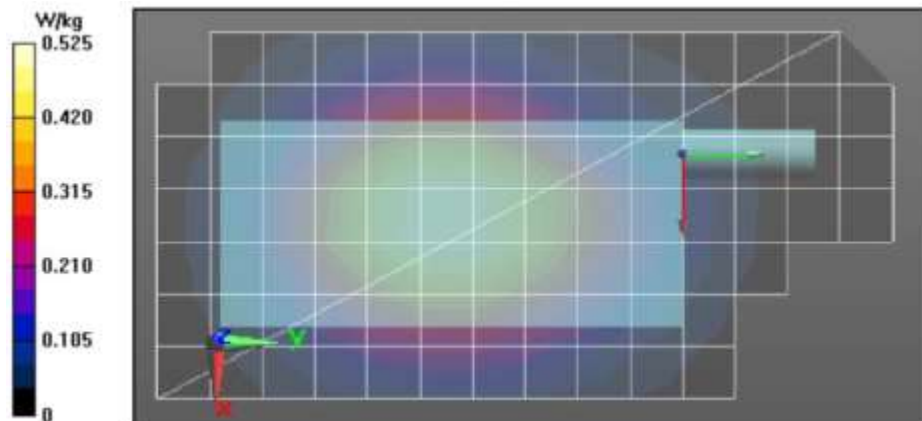
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

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

Maximum value of SAR (measured) = 0.548 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) = 0.542 W/kg



ISED Face Assessments at WCDMA Band 5 (824– 849 MHz)

Table 15

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/25/2022 8:33:45 AM

Robot#: DASY5-PG-3 | Run#: DAN-FACE-221125-03#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.5(C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 826.4000 MHz
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom.
 Audio Acc: None
 Start Power: 0.2208 (W)

Comments:

Communication System Band: Band 5, UTRA/FDD (824.0 - 849.0 MHz), Communication System UID: 10011 - CAB, Duty Cycle: 1:1.95434,

Medium parameters used: $f = 826$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 826.4 MHz, ConvF(9.8, 9.8, 9.8) @ 826.4 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 15.52 V/m; Power Drift = -0.41 dB

Fast SAR: SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.169 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.297 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 = 15.52 V/m; Power Drift = -0.39 dB

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.176 W/kg (SAR corrected for target medium)

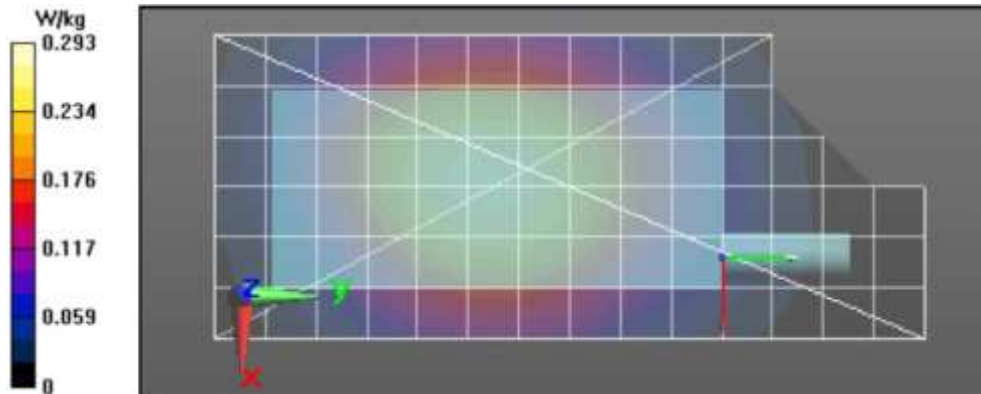
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 74.3%

Maximum value of SAR (measured) = 0.282 W/kg

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

Maximum value of SAR (measured) = 0.283 W/kg



Refer to Report Part 3 of 4 FCC/ISED Body Assessments at WLAN 2.4GHz Table 5 & 7

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/25/2022 2:34:49 PM

Robot#: DASY5-PG-3 | Run#: DAN-AB-221125-07
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 20.5(C)
 Serial#: 642QYU0102
 Antenna: AS1000215
 Test Freq: 2437.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.0536(W)

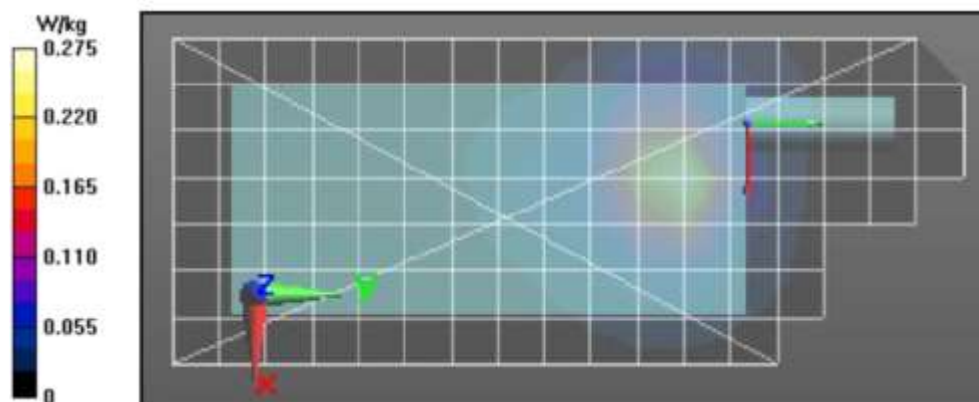
Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.4243,
 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.71$ S/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 2437 MHz, ConvF(7.71, 7.71, 7.71) @ 2437 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (71x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
 Reference Value = 11.45 V/m; Power Drift = -0.48 dB
Fast SAR: SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.086 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.289 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 11.45 V/m; Power Drift = -0.38 dB
 Peak SAR (extrapolated) = 0.359 W/kg
SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.076 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 11.3 mm
 Ratio of SAR at M2 to SAR at M1 = 46.1%
 Maximum value of SAR (measured) = 0.276 W/kg

2-3 GHz-Rev.3/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.276 W/kg



FCC Face Assessments at WLAN 2.4GHz Table 6

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/8/2022 4:43:30 PM

Robot#: DASY5-PG-2 | Run#: AF-FACE-220908-18#
 Model#: HKUN4243A
 Phantom#: ELI4 1108
 Tissue Temp: 21.7 (C)
 Serial#: 642QYQ0141
 Antenna: AS1000215
 Test Freq: 2437.0000 (MHz)
 Battery: PMNN4578A
 Carry Acc: None
 Audio Acc: None
 Start Power: 0.0661 (W)

Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.4243,

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.76$ S/m; $\epsilon_r = 37.6$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7364, Calibrated: 2/28/2022, Frequency: 2437 MHz, ConvF(7.5, 7.5, 7.5) @ 2437 MHz

Electronics: DAE4 Sn1294, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (71x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 2.139 V/m; Power Drift = -0.14 dB

Fast SAR: SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.0053 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0253 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.139 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0200 W/kg

SAR(1 g) = 0.00639 W/kg; SAR(10 g) = 0.00221 W/kg (SAR corrected for target medium)

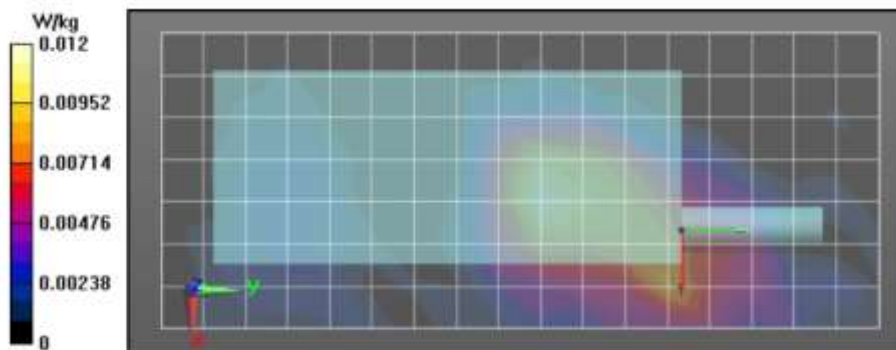
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 37%

Maximum value of SAR (measured) = 0.0118 W/kg

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

Maximum value of SAR (measured) = 0.00839 W/kg



ISED Face Assessments at WLAN 2.4GHz

Table 7

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/17/2022 9:50:12 AM

Robot#: DASY5-PG-2 | Run#: SAN(ZIQ)-FACE-221117-05#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.5 (C)
 Serial#: 642QYU0102
 Antenna: AS1000215
 Test Freq: 2412.000 (MHz)
 Battery: PMNN4578A
 Carry Acc: None
 Audio Acc: None
 Start Power: 0.0536 (W)

Comments:

Communication System Band: WLAN 2.4GHz (2412.0 - 2484.0 MHz), Communication System UID: 10415 - AAA, Duty Cycle: 1:1.4243,

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.73$ S/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 2412 MHz, ConvF(7.71, 7.71, 7.71) @ 2412 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (71x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 2.669 V/m; Power Drift = -0.21 dB

Fast SAR: SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00726 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0233 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (10x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.669 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0390 W/kg

SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00735 W/kg (SAR corrected for target medium)

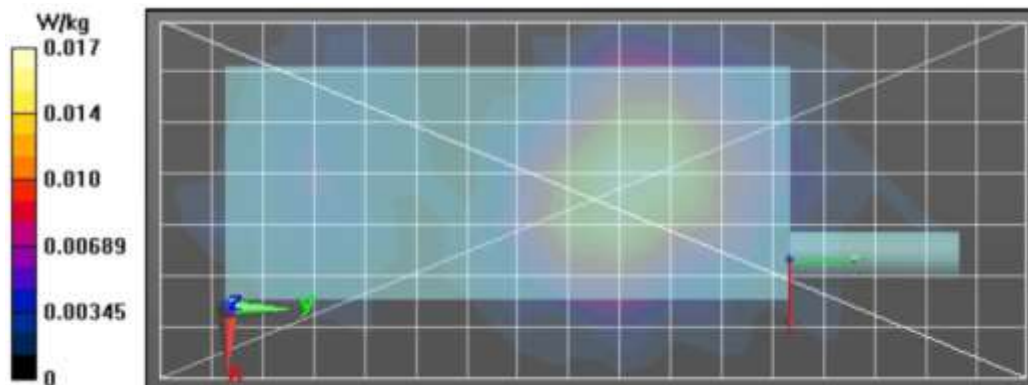
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 49.1%

Maximum value of SAR (measured) = 0.0180 W/kg

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

Maximum value of SAR (measured) = 0.00656 W/kg



FCC/ISED Body Assessments at WLAN 5GHz (U-NII-1 5.15-5.25GHz)

Table 9 & 11

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/17/2022 7:21:00 PM

Robot#: DASY5-PG-3 | Run#: DAN-AB-221117-09
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 20.5(C)
 Serial#: 642QYU0102
 Antenna: AS1000217
 Test Freq: 5180.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.0692(W)

Comments: Full Scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAC, Duty Cycle: 1:6.64967,

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.18 \text{ S/m}$; $\epsilon_r = 33.9$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 5180 MHz, ConvF(5.6, 5.6, 5.6) @ 5180 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (91x241x1): Interpolated grid: $dx=0.9000 \text{ mm}$, $dy=0.9000 \text{ mm}$

Reference Value = 10.52 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.172 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.02 W/kg

4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 10.52 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.180 W/kg (SAR corrected for target medium)

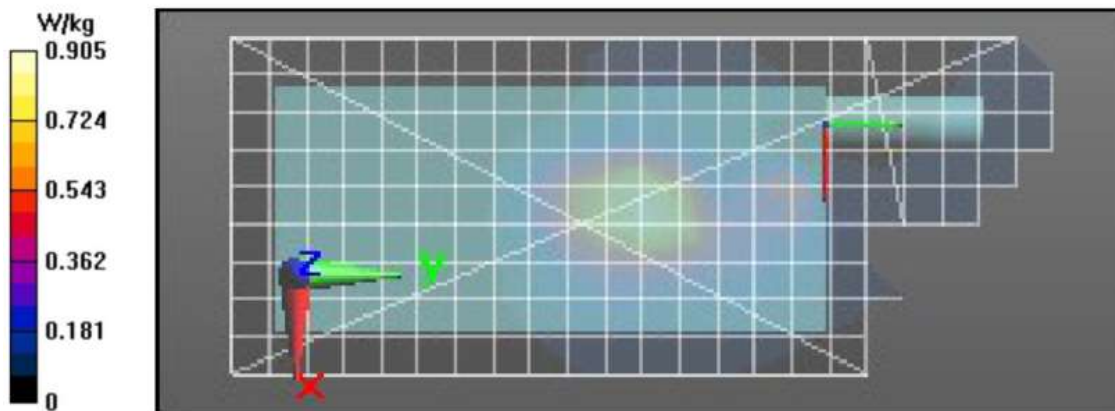
Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 58%

Maximum value of SAR (measured) = 0.968 W/kg

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

Maximum value of SAR (measured) = 0.985 W/kg



FCC/ISED Face Assessments at WLAN 5GHz (U-NII-1 5.15-5.25GHz)

Table 10 & 11

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/18/2022 1:48:02 AM

Robot#: DASY5-PG-3 | Run#: DAN-FACE-221118-02#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.8(C)
 Serial#: 642QYU0102
 Antenna: AS1000217
 Test Freq: 5180.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: None
 Audio Acc: None
 Start Power: 0.0692 (W)

Comments: Full Scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAC, Duty Cycle: 1:6.64967,

Medium parameters used: $f = 5180$ MHz; $\sigma = 4.18$ S/m; $\epsilon_r = 33.9$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 5180 MHz, ConvF(5.6, 5.6, 5.6) @ 5180 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Full Face Scan/1-Area Scan (91x241x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 6.191 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.033 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.151 W/kg

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

Reference Value = 6.191 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.231 W/kg

SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.035 W/kg (SAR corrected for target medium)

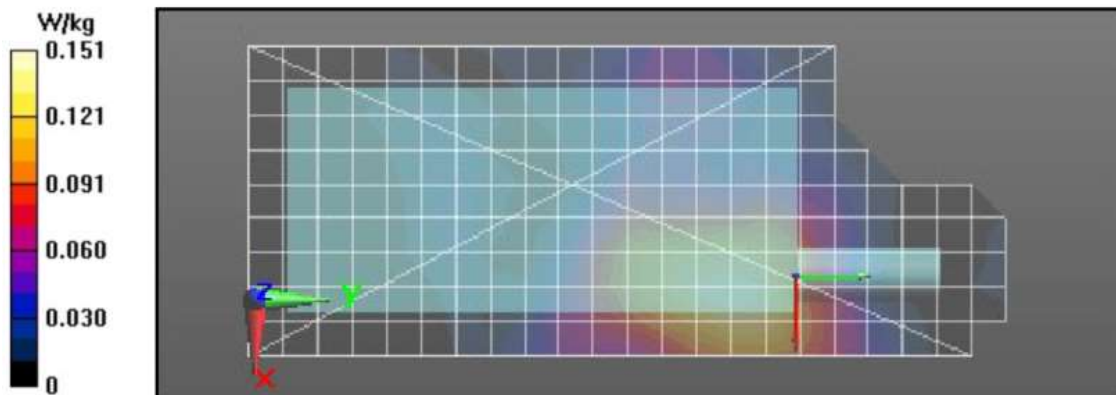
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 54.4%

Maximum value of SAR (measured) = 0.148 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) = 0.143 W/kg



FCC/ISED Body Assessments at WLAN 5GHz (U-NII-2C 5.45-5.65GHz)

Table 12 & 14

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/17/2022 10:37:35 PM

Robot#: DASY5-PG-3 | Run#: DAN-AB-221117-11
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 20.8(C)
 Serial#: 642QYU0102
 Antenna: AS1000217
 Test Freq: 5500.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.0411(W)

Comments: Full Scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAC, Duty Cycle: 1:6.64967,

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.51$ S/m; $\epsilon_r = 33.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 5500 MHz, ConvF(5.03, 5.03, 5.03) @ 5500 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (91x241x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 10.22 V/m; Power Drift = -0.19 dB

Fast SAR: SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.095 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.862 W/kg

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

Reference Value = 10.22 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 0.438 W/kg; SAR(10 g) = 0.101 W/kg (SAR corrected for target medium)

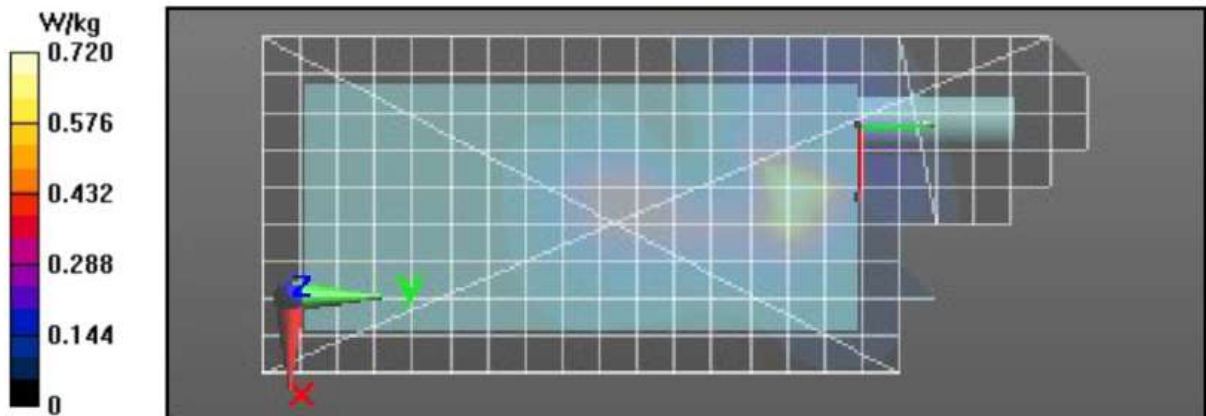
Smallest distance from peaks to all points 3 dB below = 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 53.4%

Maximum value of SAR (measured) = 1.18 W/kg

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

Maximum value of SAR (measured) = 1.54 W/kg



FCC/ISED Face Assessments at WLAN 5GHz (U-NII-2C 5.45-5.65GHz) Table 13 & 14

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/18/2022 12:54:32 AM

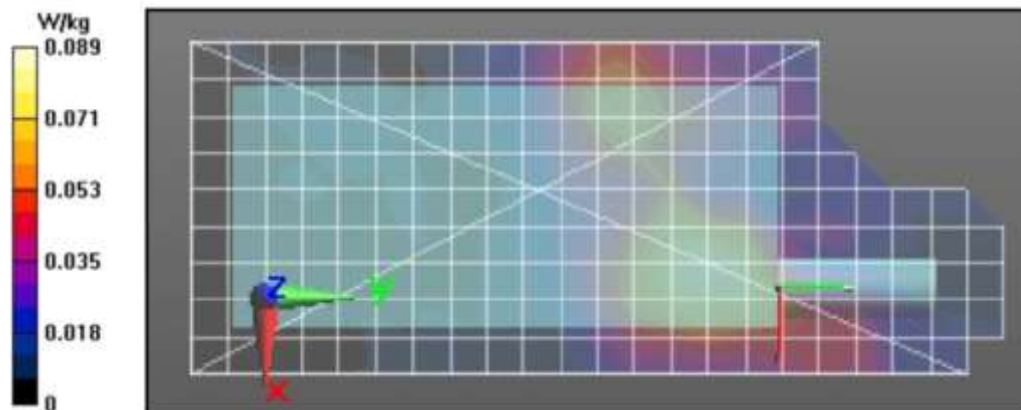
Robot#: DASY5-PG-3 | Run#: DAN-FACE-221118-01#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.5(C)
 Serial#: 642QYU0102
 Antenna: AS1000217
 Test Freq: 5500.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: None
 Audio Acc: None
 Start Power: 0.0411(W)

Comments: Full Scan
 Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAC, Duty Cycle: 1:6.64967,
 Medium parameters used: $f = 5500 \text{ MHz}$; $\sigma = 4.51 \text{ S/m}$; $\epsilon_r = 33.3$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 5500 MHz, ConvF(5.03, 5.03, 5.03) @ 5500 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Full Face Scan/1-Area Scan (91x241x1): Interpolated grid: $dx=0.9000 \text{ mm}$, $dy=0.9000 \text{ mm}$
 Reference Value = 4.970 V/m; Power Drift = 0.06 dB
Fast SAR: SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.017 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.0893 W/kg

4-6 GHz-Rev.5/Full Face Scan/2-Zoom Scan (8x8x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$
 Reference Value = 4.970 V/m; Power Drift = 0.02 dB
 Peak SAR (extrapolated) = 0.150 W/kg
SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.017 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
 Ratio of SAR at M2 to SAR at M1 = 52.6%
 Maximum value of SAR (measured) = 0.0892 W/kg

4-6 GHz-Rev.5/Full Face Scan/3-Z-Axis Scan (1x1x17): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=10\text{mm}$
 Maximum value of SAR (measured) = 0.0870 W/kg



FCC/ISED Body Assessments at WLAN 5GHz (U-NII-3 5.65-5.85GHz) Table 15 & 17

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/18/2022 3:52:51 PM

Robot#: DASY5-PG-1 | Run#: BL(ZIQ)-AB-221118-05
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.7 (C)
 Serial#: 642QYU0102
 Antenna: AS1000217
 Test Freq: 5825.000 (MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.0577 (W)

Comments: Full Scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAC, Duty Cycle: 1:6.64967,

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 4.86 \text{ S/m}$; $\epsilon_r = 32.2$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 5825 MHz, ConvF(5.05, 5.05, 5.05) @ 5825 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

4-6 GHz-Rev.5/Full Ab Scan/1-Area Scan (111x221x1): Interpolated grid: $dx=0.9000 \text{ mm}$, $dy=0.9000 \text{ mm}$

Reference Value = 15.75 V/m; Power Drift = -0.15 dB

Fast SAR: SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.212 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 1.49 W/kg

4-6 GHz-Rev.5/Full Ab Scan/2-Zoom Scan (9x9x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 15.75 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.40 W/kg

SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.231 W/kg (SAR corrected for target medium)

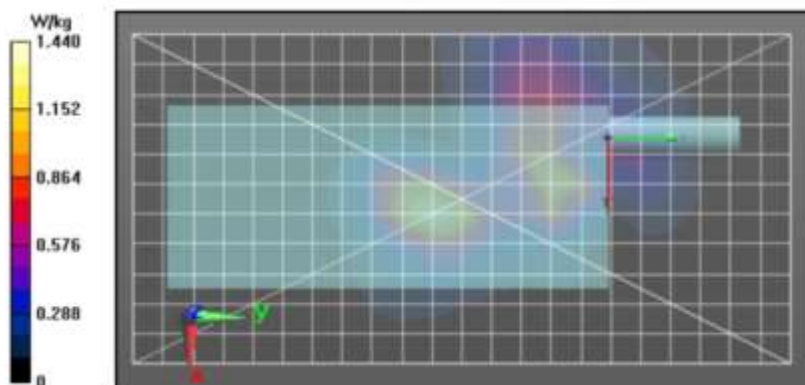
Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 53.2%

Maximum value of SAR (measured) = 1.46 W/kg

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

Maximum value of SAR (measured) = 1.46 W/kg



FCC Face Assessments at WLAN 5GHz (U-NII-3 5.65-5.85GHz)

Table 16

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/12/2022 11:18:34 PM

Robot#: DASY5-PG-1 | Run#: BL-FACE-220912-03
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1037
 Tissue Temp: 20.3 (C)
 Serial#: 642QYQ0141
 Antenna: AS1000217
 Test Freq: 5825.000 (MHz)
 Battery: PMNN4578A
 Carry Acc: None
 Audio Acc: None
 Start Power: 0.0679 (W)

Comments: Full Scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAC, Duty Cycle: 1:6.64967,

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 4.87 \text{ S/m}$; $\epsilon_r = 32.1$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5825 MHz, ConvF(5.11, 5.11, 5.11) @ 5825 MHz
 Electronics: DAE4 Sn850, Calibrated: 4/14/2022

4-6 GHz-Rev.5/Full Face Scan/1-Area Scan (111x221x1): Interpolated grid: dx=0.9000 mm,

dy=0.9000 mm

Reference Value = 3.738 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.014 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.0782 W/kg

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

dy=4mm, dz=2mm

Reference Value = 3.738 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.011 W/kg (SAR corrected for target medium)

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

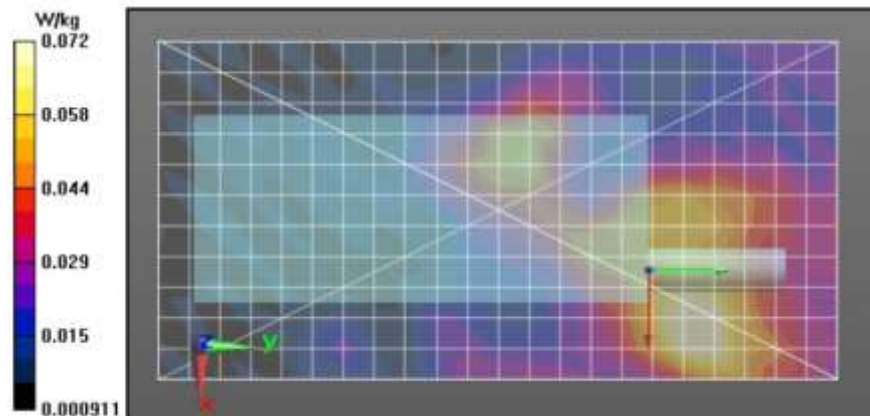
Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 0.0848 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) = 0.0388 W/kg



ISED Face Assessments at WLAN 5GHz (U-NII-3 5.65-5.85GHz)

Table 17

Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/14/2022 1:55:37 AM

Robot#: DASY5-PG-1 | Run#: FZ-FACE-220914-02#
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1037
 Tissue Temp: 20.3 (C)
 Serial#: 642QYQ0141
 Antenna: AS1000217
 Test Freq: 5700.000 (MHz)
 Battery: PMNN4578A
 Carry Acc: None
 Audio Acc: None
 Start Power: 0.0527 (W)

Comments: Full Scan

Communication System Band: WLAN 5GHz (4915.0 - 5825.0 MHz), Communication System UID: 10417 - AAC, Duty Cycle: 1:6.64967,

Medium parameters used: $f = 5700$ MHz; $\sigma = 4.86$ S/m; $\epsilon_r = 32.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7485, Calibrated: 4/25/2022, Frequency: 5700 MHz, ConvF(5.11, 5.11, 5.11) @ 5700 MHz

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

4-6 GHz-Rev.5/Full Face Scan/1-Area Scan (111x221x1): Interpolated grid: dx=0.9000 mm, dy=0.9000 mm

Reference Value = 4.593 V/m; Power Drift = -0.14 dB

Fast SAR: SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.021 W/kg (SAR corrected for target medium)

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

4-6 GHz-Rev.5/Full Face Scan/2-Zoom Scan (11x11x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.593 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.015 W/kg (SAR corrected for target medium)

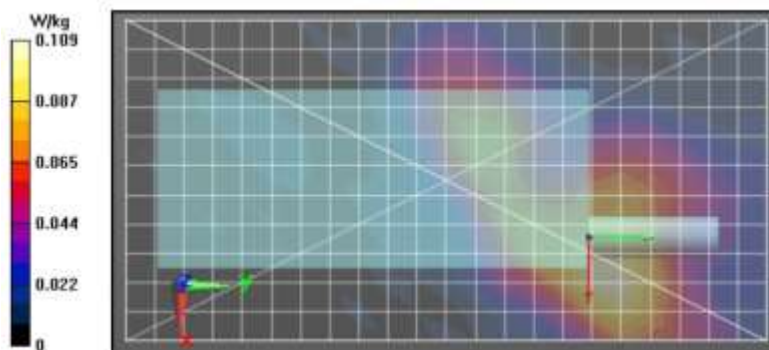
Smallest distance from peaks to all points 3 dB below = 3.2 mm

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

Maximum value of SAR (measured) = 0.135 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) = 0.107 W/kg



Refer to Report Part 4 of 4

FCC/ISED Body Assessments at LTE (Band 2) 1850 - 1910 MHz

Table 5 & 7

Motorola Solutions, Inc. EME Laboratory
 Date/Time: 8/27/2022 1:57:15 AM

Robot#: DASY5-PG-3 | Run#: DAN-AB-220827-01#
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 21.8(C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 1900.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.240(W)

Comments:

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

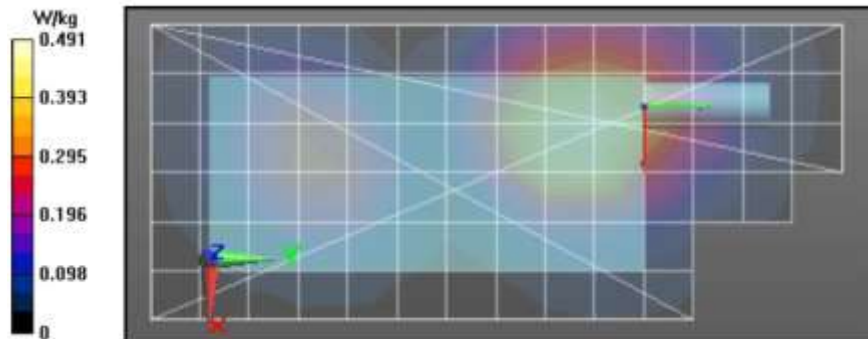
Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1900 MHz, ConvF(8.36, 8.36, 8.36) @ 1900 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 17.25 V/m; Power Drift = -0.21 dB
Fast SAR: SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.225 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.521 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 = 17.25 V/m; Power Drift = -0.33 dB
 Peak SAR (extrapolated) = 0.641 W/kg
SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.229 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below = 15.1 mm
 Ratio of SAR at M2 to SAR at M1 = 57%
 Maximum value of SAR (measured) = 0.548 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) = 0.545 W/kg



FCC Face Assessments at LTE (Band 2) 1850 - 1910 MHz Table 6

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/26/2022 8:50:40 PM

Robot#: DASY5-PG-3 | Run#: DAN-FACE-220826-18
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 21.8(C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 1900.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom
 Audio Acc: None
 Start Power: 0.240(W)

Comments:

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 41.7$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1900 MHz, ConvF(8.36, 8.36, 8.36) @ 1900 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 16.44 V/m; Power Drift = 0.02 dB

Fast SAR: SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.164 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.364 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 = 16.44 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.415 W/kg

SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.168 W/kg (SAR corrected for target medium)

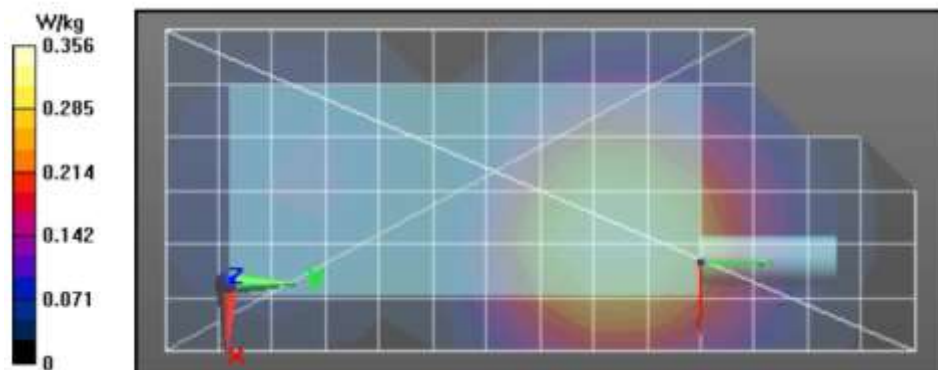
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

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

Maximum value of SAR (measured) = 0.357 W/kg

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

Maximum value of SAR (measured) = 0.369 W/kg



ISED Face Assessments at LTE (Band 2) 1850 - 1910 MHz Table 7

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/27/2022 7:32:04 PM

Robot#: DASY5-PG-3 | Run#: DAN-FACE-220827-17
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 20.9(C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 1880.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom
 Audio Acc: None
 Start Power: 0.228(W)

Comments: Offsett: Mid

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1880 MHz, ConvF(8.36, 8.36, 8.36) @ 1880 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 15.96 V/m; Power Drift = -0.16 dB

Fast SAR: SAR(1 g) = 0.256 W/kg; SAR(10 g) = 0.159 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.354 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 = 15.96 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.156 W/kg (SAR corrected for target medium)

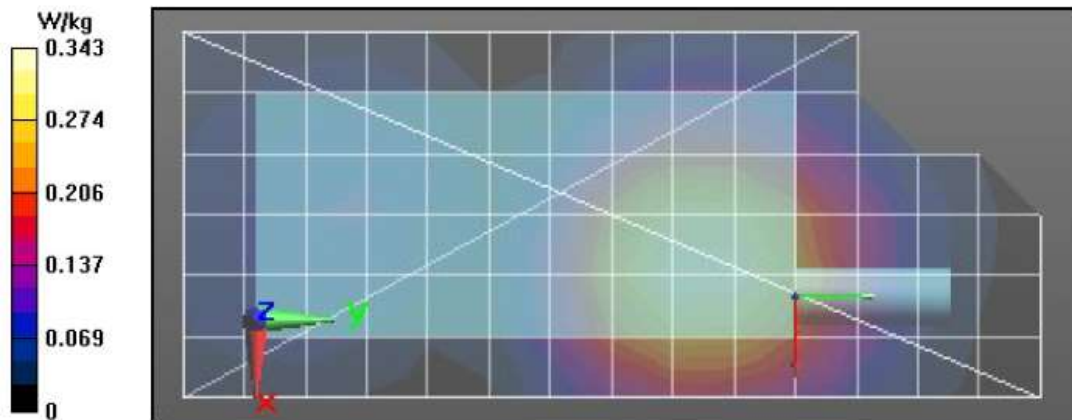
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 61.3%

Maximum value of SAR (measured) = 0.344 W/kg

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

Maximum value of SAR (measured) = 0.320 W/kg



FCC/ISED Body Assessments at LTE (Band 4) 1710 - 1755 MHz

Table 9

Motorola Solutions, Inc. EME Laboratory Date/Time: 11/16/2022 10:56:22 AM

Robot#: DASY5-PG-3 | Run#: SAN(ZIQ)-AB-221116-07
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.7(C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 1732.5000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8439A
 Audio Acc: None
 Start Power: 0.1644(W)

Comments:

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

Medium parameters used: $f = 1733 \text{ MHz}$; $\sigma = 1.3 \text{ S/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1732.5 MHz, ConvF(8.43, 8.43, 8.43) @ 1732.5 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 16.67 V/m; Power Drift = -0.26 dB

Fast SAR: SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.178 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.386 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 = 16.67 V/m; Power Drift = -0.38 dB

Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.177 W/kg (SAR corrected for target medium)

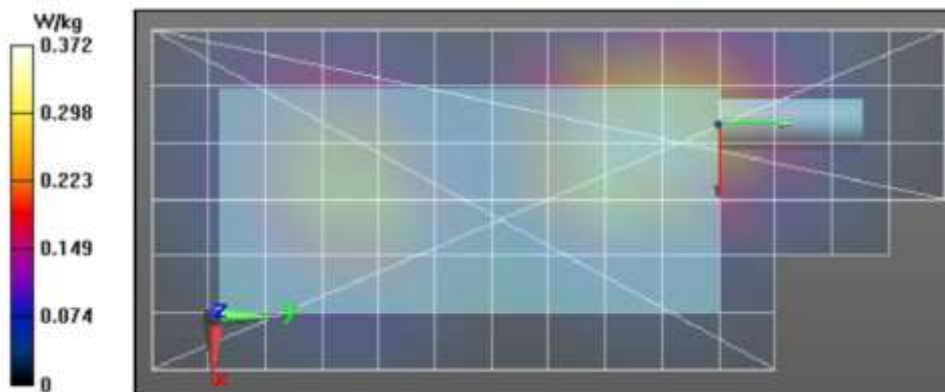
Smallest distance from peaks to all points 3 dB below = 20.2 mm

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

Maximum value of SAR (measured) = 0.380 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) = 0.355 W/kg



FCC/ISED Face Assessments at LTE (Band 4) 1710 - 1755 MHz

Table 10

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/25/2022 1:24:22 AM

Robot#: DASY5-PG-3 | Run#: IRA-FACE-221125-02#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.9 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 1732.5000(MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom
 Audio Acc: None
 Start Power: 0.1644 (W)

Comments:

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

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.3$ S/m; $\epsilon_r = 40.5$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1732.5 MHz, ConvF(8.43, 8.43, 8.43) @ 1732.5 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 12.45 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.126 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.265 W/kg

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

Reference Value = 12.45 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.108 W/kg (SAR corrected for target medium)

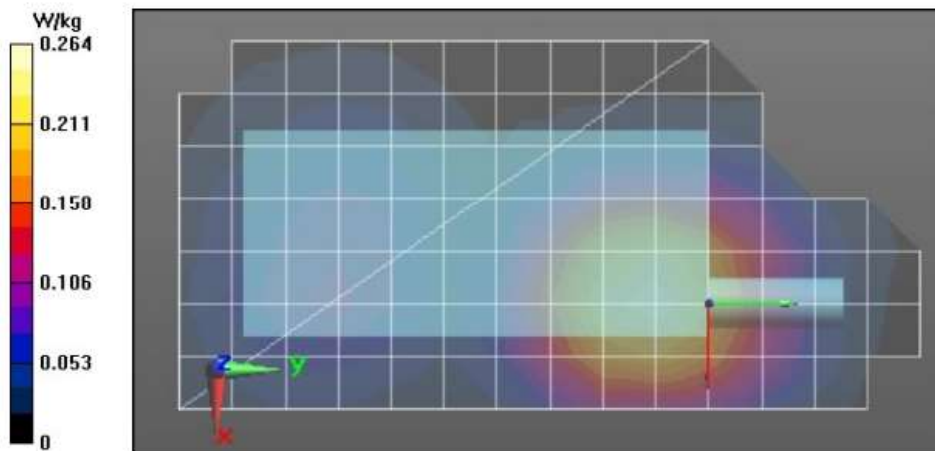
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

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

Maximum value of SAR (measured) = 0.215 W/kg

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

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



FCC/ISED Body Assessments at LTE (Band 5) 824-849MHz

Table 12

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/15/2022 10:07:57 PM

Robot#: DASY5-PG-3 | Run#: IRA-AB-220115-05
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.8 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 836.5000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8439A
 Audio Acc: None
 Start Power: 0.2438 (W)

Comments:

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

Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.89 \text{ S/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 836.5 MHz, ConvF(9.8, 9.8, 9.8) @ 836.5 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 19.25 V/m; Power Drift = -0.13 dB

Fast SAR: SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.280 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.501 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 = 19.25 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.540 W/kg

SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.302 W/kg (SAR corrected for target medium)

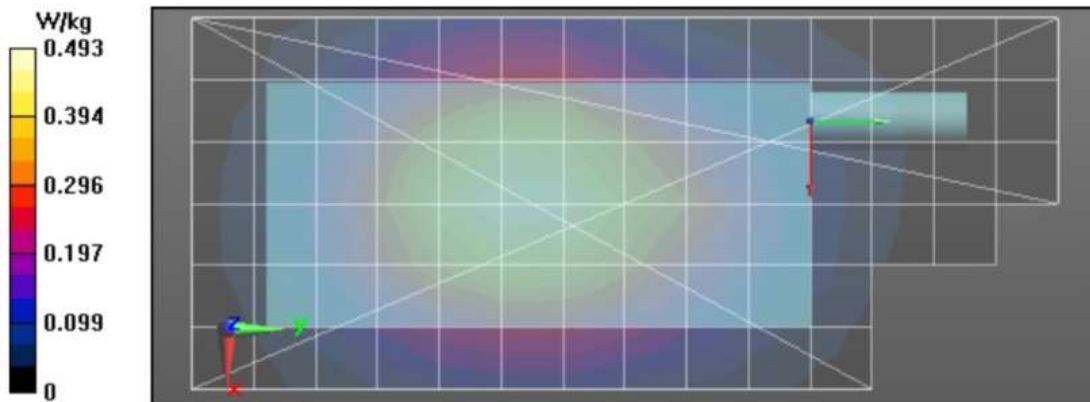
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 75.1%

Maximum value of SAR (measured) = 0.496 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) = 0.483 W/kg



FCC/ISED Face Assessments at LTE (Band 5) 824-849 MHz

Table 13

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/16/2022 1:50:08 AM

Robot#: DASY5-PG-3 | Run#: IRA-FACE-220116-03#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.8 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 836.5000 (MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom
 Audio Acc: None
 Start Power: 0.2438 (W)

Comments:

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

Medium parameters used: $f = 837$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 836.5 MHz, ConvF(9.8, 9.8, 9.8) @ 836.5 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 16.27 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.194 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.343 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 = 16.27 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.377 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.216 W/kg (SAR corrected for target medium)

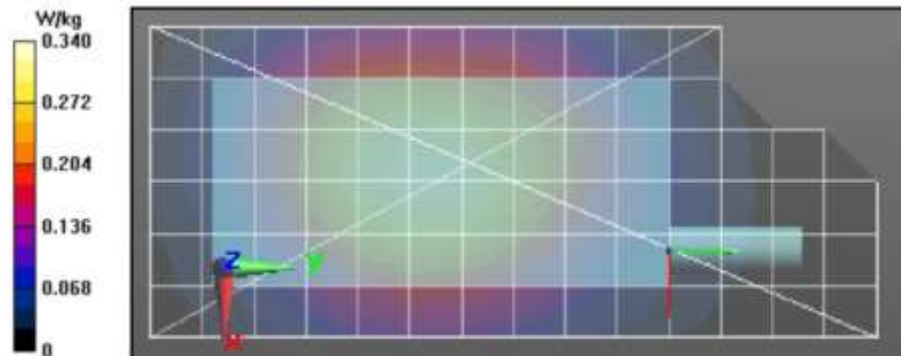
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

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

Maximum value of SAR (measured) = 0.345 W/kg

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

Maximum value of SAR (measured) = 0.351 W/kg



FCC/ISED Body Assessments at LTE (Band 7) 2500-2570MHz Table 15 & 17

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/16/2022 10:47:27 PM

Robot#: DASY5-PG-3 | Run#: DAN-AB-221116-19
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 20.8(C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 2535.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8439A
 Audio Acc: None
 Start Power: 0.187 (W)

Comments:

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz), Communication System UID: 10169 - CAE,
 Duty Cycle: 1:3.73852,

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.83$ S/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 2535 MHz, ConvF(7.36, 7.36, 7.36) @ 2535 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (71x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 10.35 V/m; Power Drift = -0.13 dB

Fast SAR: SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.130 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.346 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
 dz=5mm

Reference Value = 10.35 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.406 W/kg

SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.121 W/kg (SAR corrected for target medium)

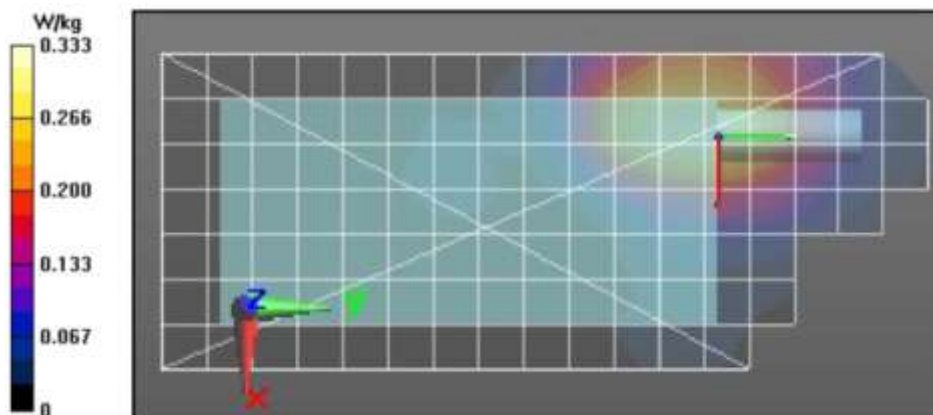
Smallest distance from peaks to all points 3 dB below = 20.5 mm

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

Maximum value of SAR (measured) = 0.333 W/kg

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

Maximum value of SAR (measured) = 0.284 W/kg



FCC Face Assessments at LTE (Band 7) 2500-2570MHz

Table 16

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/28/2022 7:26:11 PM

Robot#: DASY5-PG-3 | Run#: IRA-FACE-220828-18
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 21.9 (C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 2535.0000 (MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom.
 Audio Acc: None
 Start Power: 0.248 (W)

Comments: Offset Mid

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,

Medium parameters used: $f = 2535$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 2535 MHz, ConvF(7.36, 7.36, 7.36) @ 2535 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (81x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 9.580 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.119 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.305 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.580 V/m; Power Drift = 0.29 dB

Peak SAR (extrapolated) = 0.368 W/kg

SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.114 W/kg (SAR corrected for target medium)

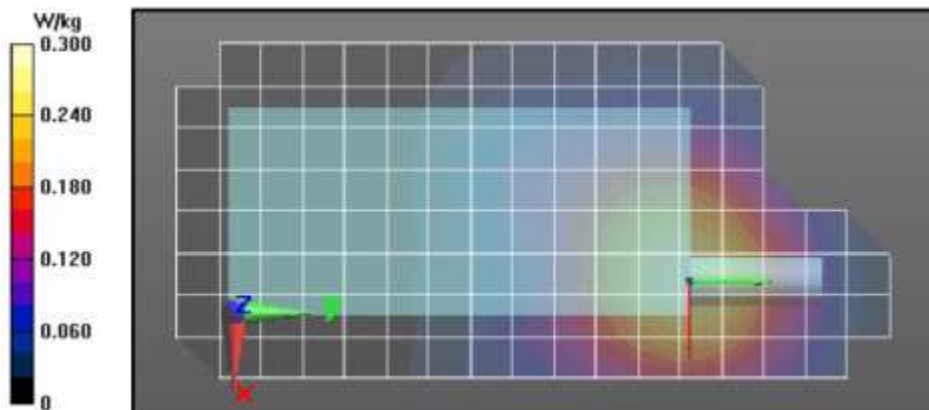
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 51.1%

Maximum value of SAR (measured) = 0.299 W/kg

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

Maximum value of SAR (measured) = 0.281 W/kg



ISED Face Assessments at LTE (Band 7) 2500-2570MHz Table17

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/16/2022 11:29:03 PM

Robot#: DASY5-PG-3 | Run#: DAN-FACE-221116-20
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.0(C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 2510.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom.
 Audio Acc: None
 Start Power: 0.1849 (W)

Comments:

Communication System Band: Band 7, E-UTRA/FDD (2500.0 - 2570.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.8$ S/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 2510 MHz, ConvF(7.36, 7.36, 7.36) @ 2510 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (71x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 10.17 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.128 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.332 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.17 V/m; Power Drift = -0.34 dB

Peak SAR (extrapolated) = 0.348 W/kg

SAR(1 g) = 0.196 W/kg; SAR(10 g) = 0.115 W/kg (SAR corrected for target medium)

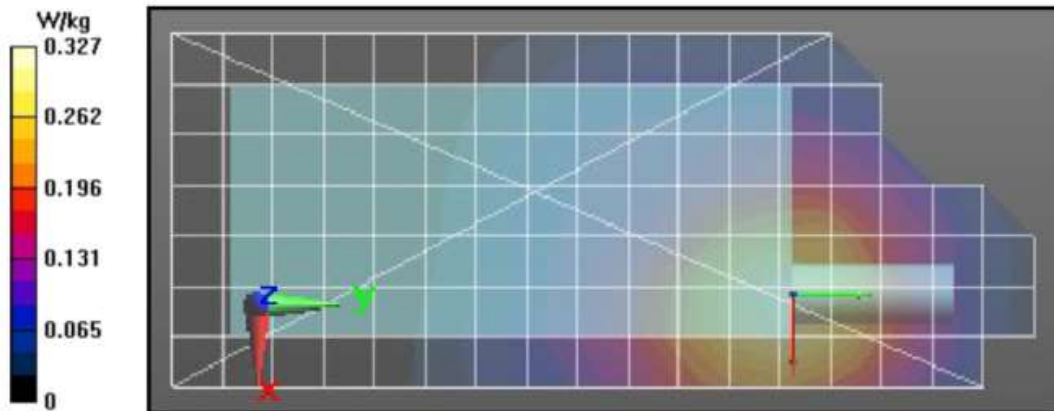
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 53.4%

Maximum value of SAR (measured) = 0.285 W/kg

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

Maximum value of SAR (measured) = 0.289 W/kg



FCC/ISED Body Assessments at LTE (Band 12) 688-716MHz

Table 19

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/24/2022 7:25:59 PM

Robot#: DASY5-PG-3 | Run#: DAN-AB-220824-13
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 22.4(C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 707.5000 (MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.236 (W)

Comments:

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

Medium parameters used: $f = 708$ MHz; $\sigma = 0.86$ S/m; $\epsilon_r = 42.8$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 707.5 MHz, ConvF(10.22, 10.22, 10.22) @ 707.5 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 20.83 V/m; Power Drift = -0.24 dB

Fast SAR: SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.239 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.414 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 = 20.83 V/m; Power Drift = -0.34 dB

Peak SAR (extrapolated) = 0.453 W/kg

SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.255 W/kg (SAR corrected for target medium)

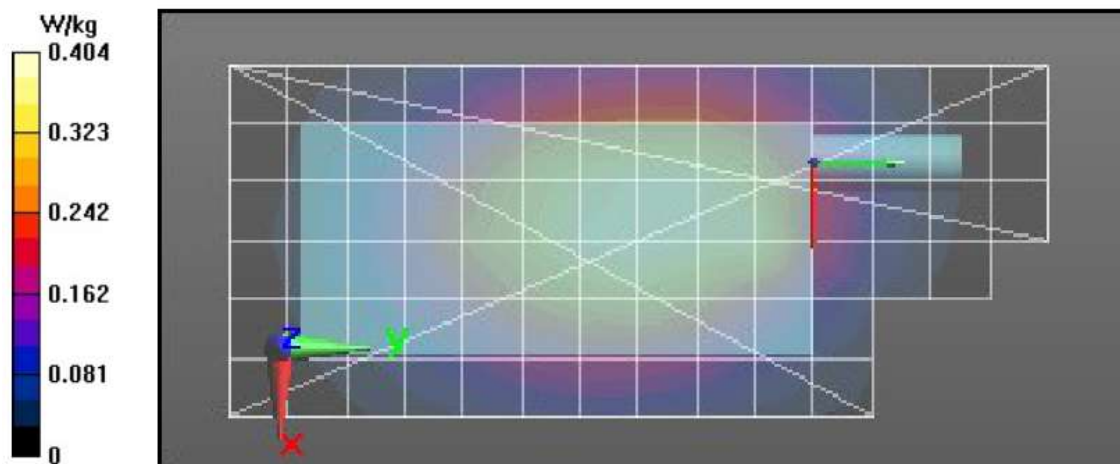
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

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

Maximum value of SAR (measured) = 0.409 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) = 0.406 W/kg



FCC/ISED Face Assessments at LTE (Band 12) 699-716 MHz Table 20

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/15/2022 11:40:01 PM

Robot#: DASY5-PG-3 | Run#: IRA-FACE-220115-06
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.4 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 707.5000(MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom
 Audio Acc: None
 Start Power: 0.246 (W)

Comments:

Communication System Band: Band 12, E-UTRA/FDD (699.0 - 716.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,
 Medium parameters used: $f = 708 \text{ MHz}$; $\sigma = 0.85 \text{ S/m}$; $\epsilon_r = 43.4$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 707.5 MHz, ConvF(10.22, 10.22, 10.22) @ 707.5 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

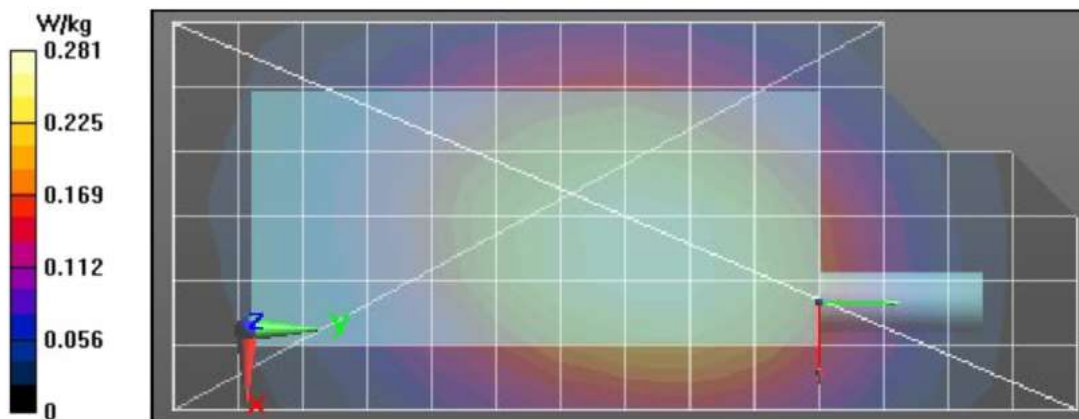
Reference Value = 18.58 V/m; Power Drift = 0.02 dB
Fast SAR: SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.171 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.291 W/kg

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 = 18.58 V/m; Power Drift = -0.14 dB
 Peak SAR (extrapolated) = 0.333 W/kg
SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.189 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 = 74.8%
 Maximum value of SAR (measured) = 0.305 W/kg

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

Maximum value of SAR (measured) = 0.280 W/kg



FCC Body Assessments at LTE (Band 13) 777-787MHz Table 22

Motorola Solutions, Inc. EME Laboratory Date/Time: 11/15/2022 8:20:59 PM

Robot#: DASY5-PG-3 | Run#: IRA-AB-220115-02
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.5 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 782.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8439A
 Audio Acc: None
 Start Power: 0.2163 (W)

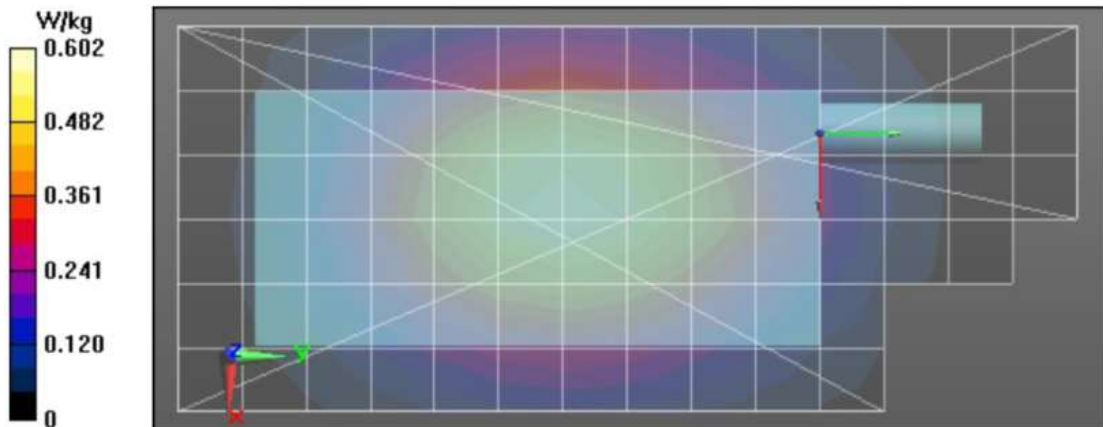
Comments:

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,
 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 43.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 782 MHz, ConvF(10.22, 10.22, 10.22) @ 782 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 20.73 V/m; Power Drift = 0.00 dB
Fast SAR: SAR(1 g) = 0.497 W/kg; SAR(10 g) = 0.344 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.610 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 = 20.73 V/m; Power Drift = -0.12 dB
 Peak SAR (extrapolated) = 0.671 W/kg
SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.372 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
 Ratio of SAR at M2 to SAR at M1 = 75.1%
 Maximum value of SAR (measured) = 0.624 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) = 0.582 W/kg



FCC/ISED Face Assessments at LTE (Band 13) 777-787MHz Table 23

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/16/2022 12:10:38 AM

Robot#: DASY5-PG-3 | Run#:IRA-FACE-220116-01#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.2 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 782.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom
 Audio Acc: None
 Start Power: 0.2163 (W)

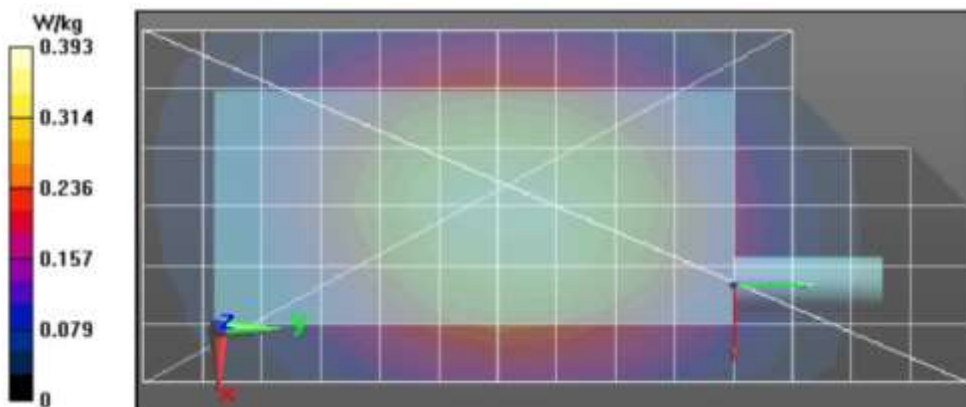
Comments:

Communication System Band: Band 13, E-UTRA/FDD (777.0 - 787.0 MHz), Communication System UID: 10175 - CAG, Duty Cycle: 1:3.73594,
 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 43.2$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 782 MHz, ConvF(10.22, 10.22, 10.22) @ 782 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 17.73 V/m; Power Drift = 0.22 dB
Fast SAR: SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.226 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.394 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 = 17.73 V/m; Power Drift = 0.20 dB
 Peak SAR (extrapolated) = 0.401 W/kg
SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.233 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
 Ratio of SAR at M2 to SAR at M1 = 75%
 Maximum value of SAR (measured) = 0.368 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.383 W/kg



FCC/ISED Body Assessments at LTE (Band 25) 1850-1915MHz Table 26 & 28

Motorola Solutions, Inc. EME Laboratory Date/Time: 11/24/2022 10:57:49 PM

Robot#: DASY5-PG-3 | Run#- IRA-AB-221124-04
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.5 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 1860.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.2265 (W)

Comments:

Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1860 MHz, ConvF(8.36, 8.36, 8.36) @ 1860 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 19.00 V/m; Power Drift = -0.17 dB

Fast SAR: SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.244 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.555 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 = 19.00 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.253 W/kg (SAR corrected for target medium)

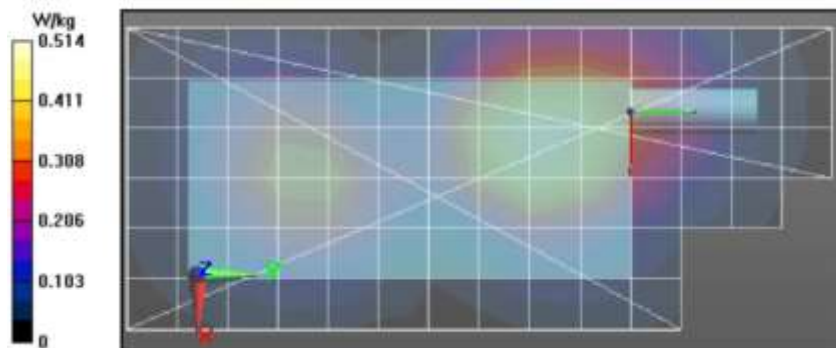
Smallest distance from peaks to all points 3 dB below = 20.8 mm

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

Maximum value of SAR (measured) = 0.530 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) = 0.529 W/kg



FCC/ISED Face Assessments at LTE (Band 25) 1850-1915MHz Table 27 & 28

Motorola Solutions, Inc. EME Laboratory Date/Time: 11/16/2022 5:07:04 PM

Robot#: DASY5-PG-3 | Run#: SAN(ZIQ)-FACE-221116-13
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.6(C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 1860.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom
 Audio Acc: None
 Start Power: 0.2265(W)

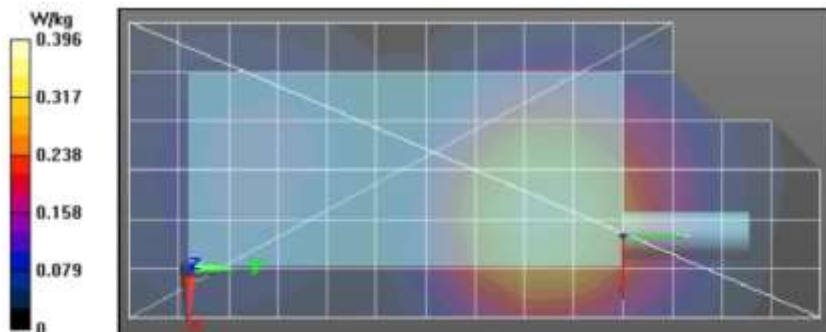
Comments:

Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,
 Medium parameters used: $f = 1860 \text{ MHz}$; $\sigma = 1.37 \text{ S/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1860 MHz, ConvF(8.36, 8.36, 8.36) @ 1860 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Reference Value = 17.99 V/m; Power Drift = -0.23 dB
Fast SAR: SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.185 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.406 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 = 17.99 V/m; Power Drift = -0.03 dB
 Peak SAR (extrapolated) = 0.474 W/kg
SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.201 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
 Ratio of SAR at M2 to SAR at M1 = 62.6%
 Maximum value of SAR (measured) = 0.412 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) = 0.412 W/kg



FCC/ISED Body Assessments at LTE (Band 26) 814-849MHz Table 30

Motorola Solutions, Inc. EME Laboratory
Date/Time: 8/25/2022 1:23:53 AM

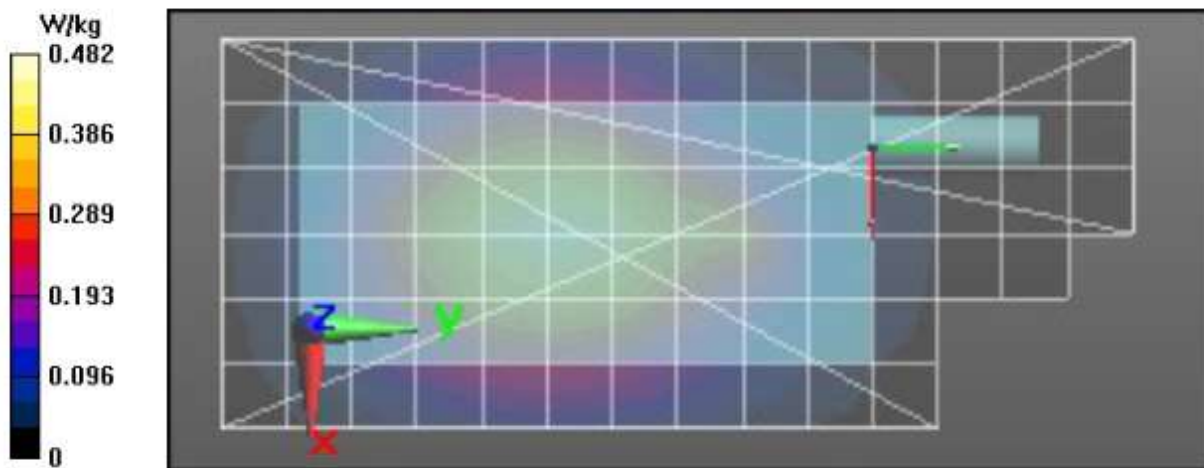
Robot#: DASY5-PG-3 | Run#: DAN-AB-220825-03#
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 22.8(C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 831.5000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8439A
 Audio Acc: None
 Start Power: 0.25(W)

Comments:
 Communication System Band: Band 26 E-UTRA/FDD (814.0 - 849.0 MHz), Communication System UID: 10181 - CAE,
 Duty Cycle: 1:3.7368,
 Medium parameters used: $f = 832 \text{ MHz}$; $\sigma = 0.9 \text{ S/m}$; $\epsilon_r = 42.4$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 831.5 MHz, ConvF(9.8, 9.8, 9.8) @ 831.5 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 18.11 V/m; Power Drift = -0.27 dB
Fast SAR: SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.263 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.483 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 = 18.11 V/m; Power Drift = -0.28 dB
 Peak SAR (extrapolated) = 0.472 W/kg
SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.256 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 = 74.2%
 Maximum value of SAR (measured) = 0.429 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) = 0.427 W/kg



FCC/ISED Face Assessments at LTE (Band 26) 814-849MHz Table 31

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/16/2022 1:20:41 AM

Robot#: DASY5-PG-3 | Run#: IRA-FACE-220116-02#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.3 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 831.5000 (MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom
 Audio Acc: None
 Start Power: 0.2438 (W)

Comments:

Communication System Band: Band 26 E-UTRA/FDD (814.0 - 849.0 MHz), Communication System UID: 10181 - CAE, Duty Cycle: 1:3.7368,

Medium parameters used: $f = 832$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 43$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 831.5 MHz, ConvF(9.8, 9.8, 9.8) @ 831.5 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 16.99 V/m; Power Drift = 0.14 dB

Fast SAR: SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.226 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.400 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 = 16.99 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.235 W/kg (SAR corrected for target medium)

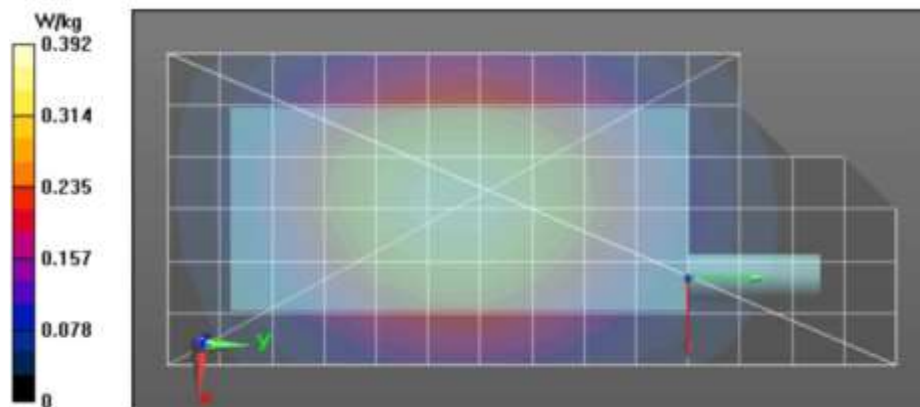
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 74%

Maximum value of SAR (measured) = 0.384 W/kg

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

Maximum value of SAR (measured) = 0.374 W/kg



FCC Body Assessments at LTE (Band 41) 2496-2690MHz

Table 33

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/28/2022 2:55:03 AM

Robot#: DASY5-PG-3 | Run#: DAN-AB-220828-03
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 21.5(C)
 Serial#: 642YQ0178
 Antenna: HKAN4005A
 Test Freq: 2593.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.250(W)

Comments: Offset: Mid

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz), Communication System UID: 10435 - AAF, Duty Cycle: 1:6.05899,

Medium parameters used: $f = 2593$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 2593 MHz, ConvF(7.36, 7.36, 7.36) @ 2593 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (81x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 6.289 V/m; Power Drift = -0.21 dB

Fast SAR: SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.046 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.129 W/kg

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (10x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.289 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.045 W/kg (SAR corrected for target medium)

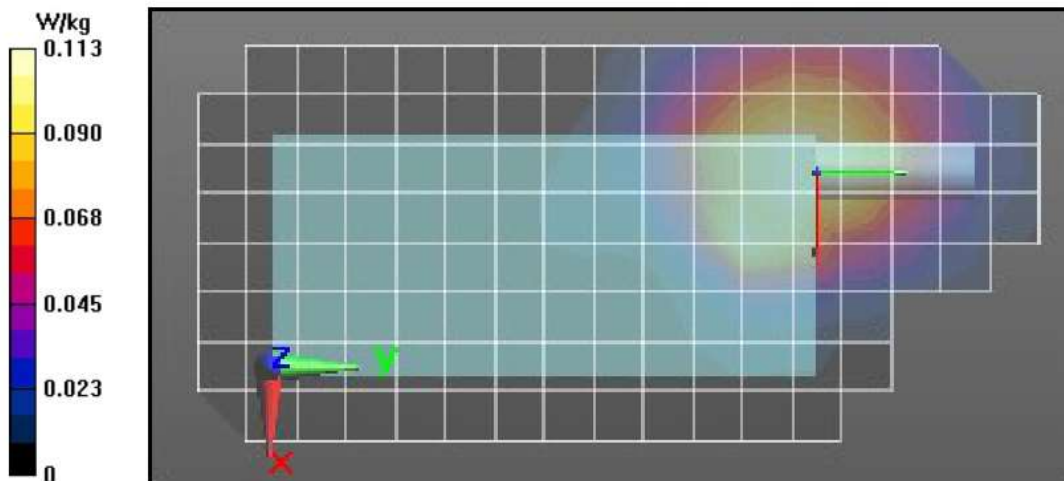
Smallest distance from peaks to all points 3 dB below = 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 48.2%

Maximum value of SAR (measured) = 0.124 W/kg

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

Maximum value of SAR (measured) = 0.115 W/kg



FCC Face Assessments at LTE (Band 41) 2496-2690MHz

Table 34

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/28/2022 9:23:12 AM

Robot#: DASY5-PG-3 | Run#: BAD-FACE-220828-08
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 21.2 (C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 2593.0000 (MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom.
 Audio Acc: None
 Start Power: 0.250 (W)

Comments: Offset Mid

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz), Communication System UID: 10435 - AAF, Duty Cycle: 1:6.05899,

Medium parameters used: $f = 2593$ MHz; $\sigma = 1.86$ S/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 2593 MHz, ConvF(7.36, 7.36, 7.36) @ 2593 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (81x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 7.321 V/m; Power Drift = -0.75 dB

Fast SAR: SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.052 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.136 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.321 V/m; Power Drift = -0.31 dB

Peak SAR (extrapolated) = 0.155 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.040 W/kg (SAR corrected for target medium)

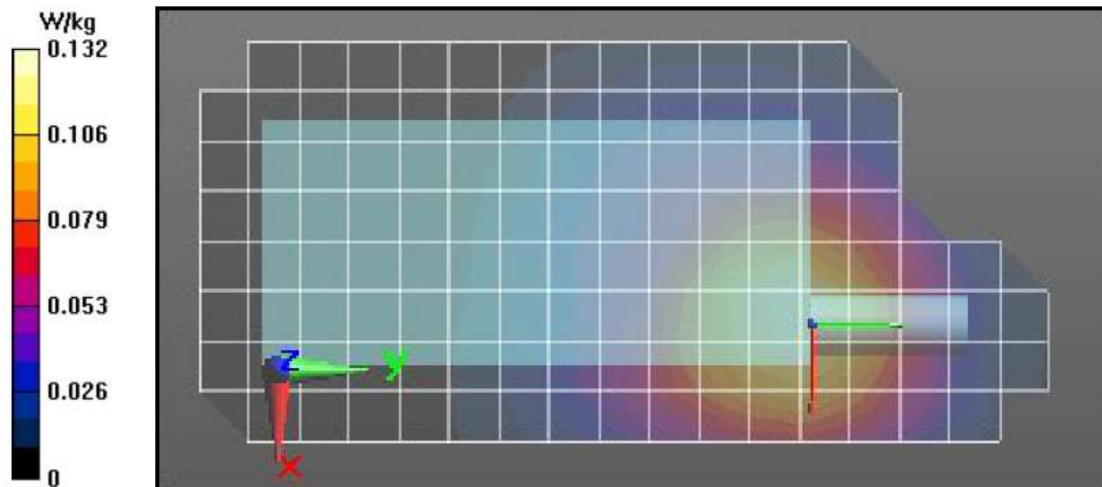
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 49.1%

Maximum value of SAR (measured) = 0.126 W/kg

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

Maximum value of SAR (measured) = 0.131 W/kg



ISED Body Assessments at LTE (Band 41) 1850-1915 MHz

Table 35

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/17/2022 12:28:35 AM

Robot#: DASY5-PG-3 | Run#: DAN-AB-221117-01#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.1(C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 2506.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN7128A
 Audio Acc: None
 Start Power: 0.1866 (W)

Comments:

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz), Communication System UID: 10435 - AAF, Duty Cycle: 1:6.05899,

Medium parameters used: $f = 2506$ MHz; $\sigma = 1.8$ S/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 2506 MHz, ConvF(7.36, 7.36, 7.36) @ 2506 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Ab Scan/1-Area Scan (71x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 7.111 V/m; Power Drift = -0.07 dB

Fast SAR: SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.083 W/kg (SAR corrected for target medium)

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

2-3 GHz-Rev.3/Ab Scan/3-Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.111 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.082 W/kg (SAR corrected for target medium)

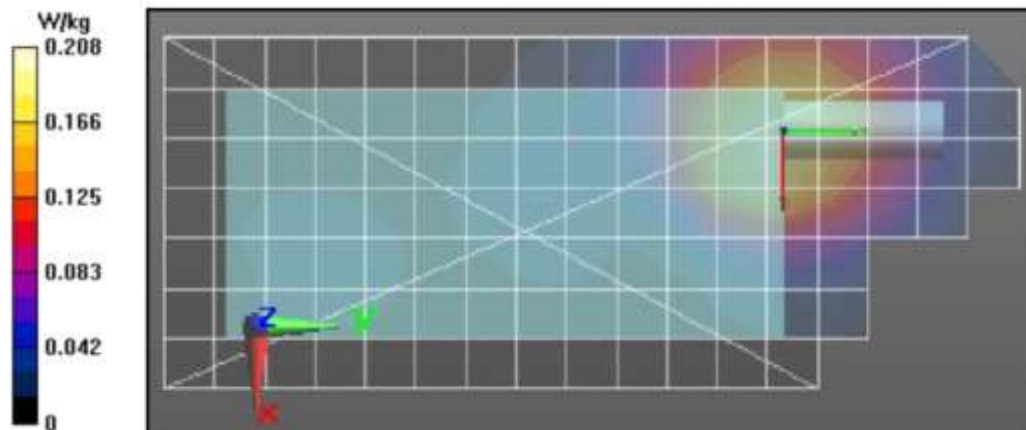
Smallest distance from peaks to all points 3 dB below = 20.8 mm

Ratio of SAR at M2 to SAR at M1 = 53.9%

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

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

Maximum value of SAR (measured) = 0.195 W/kg



ISED Face Assessments at LTE (Band 41) 1850-1915 MHz Table 35

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/17/2022 1:08:46 AM

Robot#: DASY5-PG-3 | Run#: DAN-FACE-221117-02#
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.5(C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 2506.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom.
 Audio Acc: None
 Start Power: 0.1866 (W)

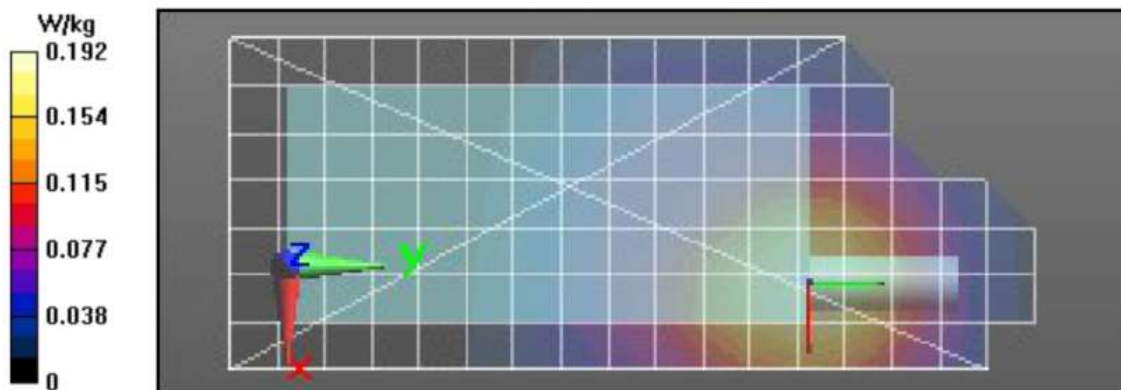
Comments:

Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz), Communication System UID: 10435 - AAF, Duty Cycle: 1:6.05899,
 Medium parameters used: $f = 2506$ MHz; $\sigma = 1.8$ S/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 2506 MHz, ConvF(7.36, 7.36, 7.36) @ 2506 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

2-3 GHz-Rev.3/Face Scan/1-Area Scan (71x181x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
 Reference Value = 7.799 V/m; Power Drift = 0.24 dB
Fast SAR: SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.077 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.195 W/kg

2-3 GHz-Rev.3/Face Scan/3-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 7.799 V/m; Power Drift = 0.23 dB
 Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.074 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
 Ratio of SAR at M2 to SAR at M1 = 53.1%
 Maximum value of SAR (measured) = 0.189 W/kg

2-3 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.187 W/kg



FCC Body Assessments at LTE (Band 66) 1710-1780MHz

Table 37

Motorola Solutions, Inc. EME Laboratory

Date/Time: 8/26/2022 2:21:51 PM

Robot#: DASY5-PG-3 | Run#: IRA-AB-220826-08
 Model#: HK2183A [HKUN4242A]
 Phantom#: ELI4 1050
 Tissue Temp: 22.2(C)
 Serial#: 642QYQ0178
 Antenna: HKAN4005A
 Test Freq: 1720.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8439A
 Audio Acc: None
 Start Power: 0.248(W)

Comments:

Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1780.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,

Medium parameters used: $f = 1720$ MHz; $\sigma = 1.3$ S/m; $\epsilon_r = 41.9$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1720 MHz, ConvF(8.43, 8.43, 8.43) @ 1720 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 13.80 V/m; Power Drift = -0.13 dB

Fast SAR: SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.156 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.345 W/kg

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

Reference Value = 13.80 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.150 W/kg (SAR corrected for target medium)

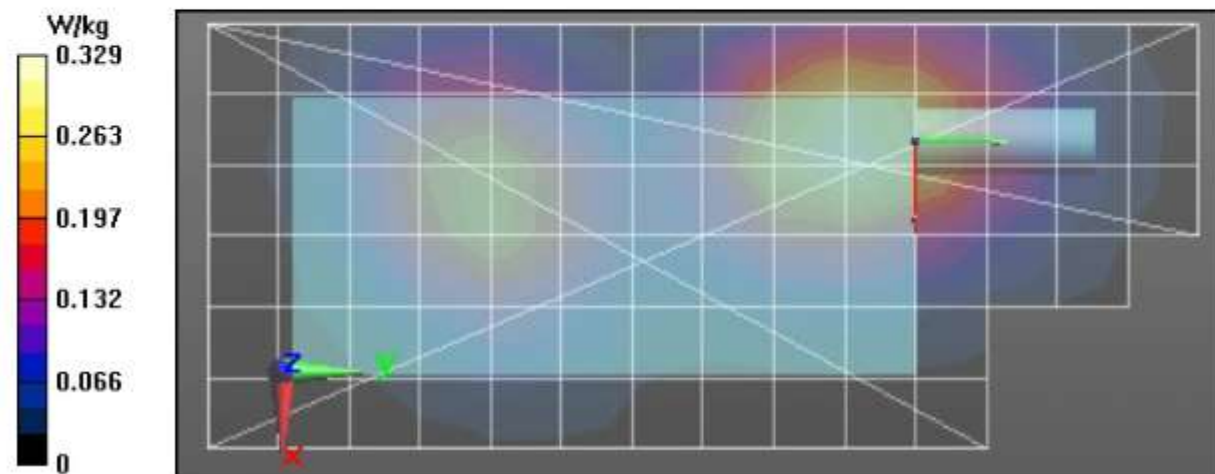
Smallest distance from peaks to all points 3 dB below = 23.5 mm

Ratio of SAR at M2 to SAR at M1 = 64.8%

Maximum value of SAR (measured) = 0.313 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) = 0.297 W/kg



FCC/ISED Face Assessments at LTE (Band 66) 1710-1780MHz Table 38 & 39

Motorola Solutions, Inc. EME Laboratory
Date/Time: 11/16/2022 4:34:02 PM

Robot#: DASY5-PG-3 | Run#: SAN(ZIQ)-FACE-221116-12
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 22.1 (C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 1720.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: None, Radio front 2.5cm away from the phantom
 Audio Acc: None
 Start Power: 0.1718(W)

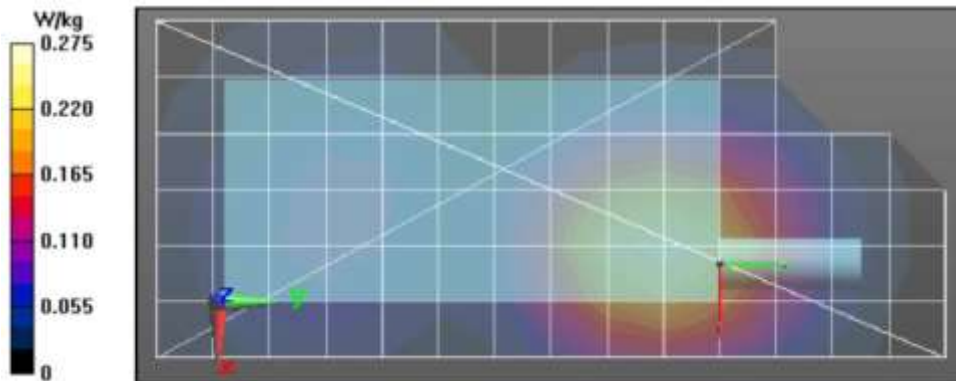
Comments:

Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1780.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,
 Medium parameters used: $f = 1720 \text{ MHz}$; $\sigma = 1.29 \text{ S/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$
 Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1720 MHz, ConvF(8.43, 8.43, 8.43) @ 1720 MHz
 Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Face Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Reference Value = 13.95 V/m; Power Drift = 0.20 dB
Fast SAR: SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.129 W/kg (SAR corrected for target medium)
 Maximum value of SAR (interpolated) = 0.275 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 = 13.95 V/m; Power Drift = 0.42 dB
 Peak SAR (extrapolated) = 0.325 W/kg
SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.141 W/kg (SAR corrected for target medium)
 Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
 Ratio of SAR at M2 to SAR at M1 = 65.4%
 Maximum value of SAR (measured) = 0.284 W/kg

Below 2 GHz-Rev.3/Face Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.284 W/kg



ISED Body Assessments at LTE (Band 66) 1710-1780MHz Table 39

Motorola Solutions, Inc. EME Laboratory

Date/Time: 11/16/2022 11:28:44 AM

Robot#: DASY5-PG-3 | Run#: SAN(ZIQ)-AB-221116-08
 Model#: HK2183A [HKUN4243A]
 Phantom#: ELI4 1037
 Tissue Temp: 21.8(C)
 Serial#: 642QYU0031
 Antenna: HKAN4005A
 Test Freq: 1745.0000(MHz)
 Battery: PMNN4578A
 Carry Acc: PMLN8439A
 Audio Acc: None
 Start Power: 0.1738(W)

Comments:

Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1780.0 MHz), Communication System UID: 10169 - CAE, Duty Cycle: 1:3.73852,

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.3$ S/m; $\epsilon_r = 41.9$; $\rho = 1000$ kg/m³

Probe: EX3DV4 - SN7519, Calibrated: 2/28/2022, Frequency: 1745 MHz, ConvF(8.43, 8.43, 8.43) @ 1745 MHz

Electronics: DAE4 Sn684, Calibrated: 2/22/2022

Below 2 GHz-Rev.3/Ab Scan/1-Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 17.84 V/m; Power Drift = 0.36 dB

Fast SAR: SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.208 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 0.459 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 = 17.84 V/m; Power Drift = 0.41 dB

Peak SAR (extrapolated) = 0.558 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.225 W/kg (SAR corrected for target medium)

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

Ratio of SAR at M2 to SAR at M1 = 62.3%

Maximum value of SAR (measured) = 0.475 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) = 0.478 W/kg

