

Annex A. Plots of System Verification

The plots for system verification are shown as follows.

Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

S01 System Check_H1900_220511

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0511 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.463$ S/m; $\epsilon_r = 38.786$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1900 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.08 W/kg

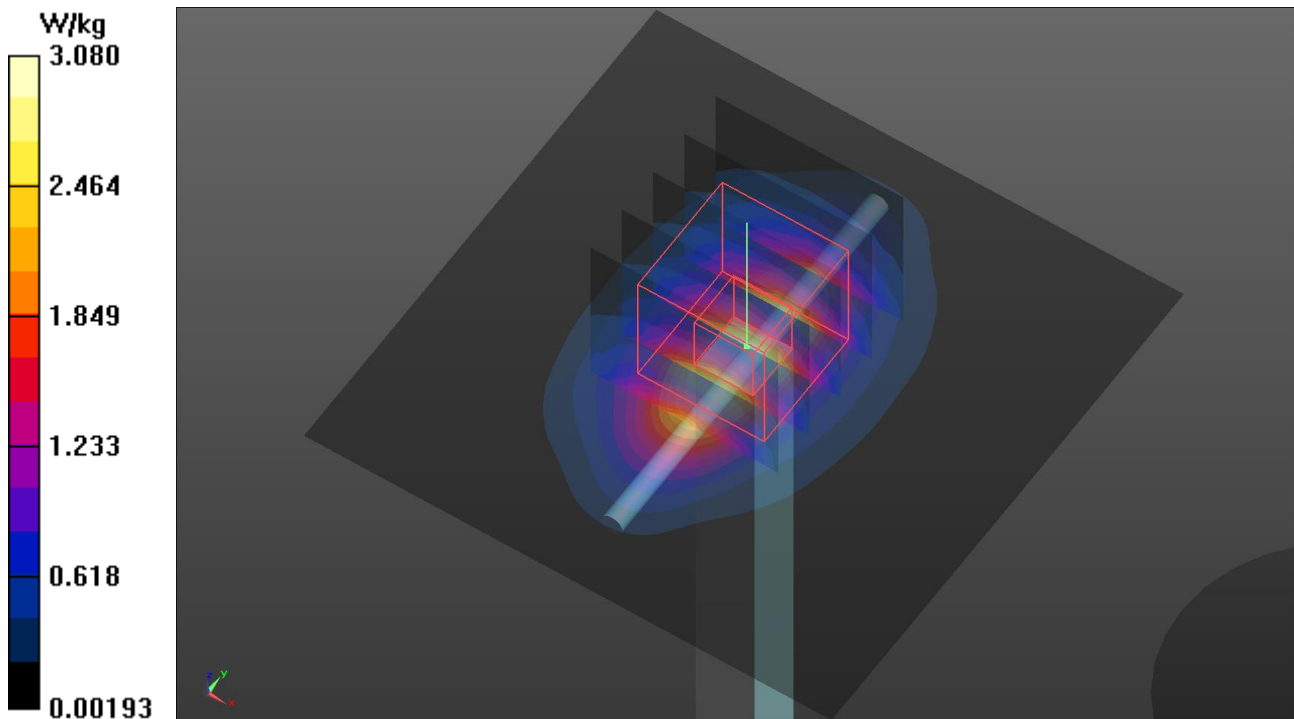
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.53 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.74 W/kg

SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.11 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

S02 System Check_H835_220511

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: H07T10N1_0511 Medium parameters used: $f = 835$ MHz; $\sigma = 0.935$ S/m; $\epsilon_r = 40.691$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 835 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.643 W/kg

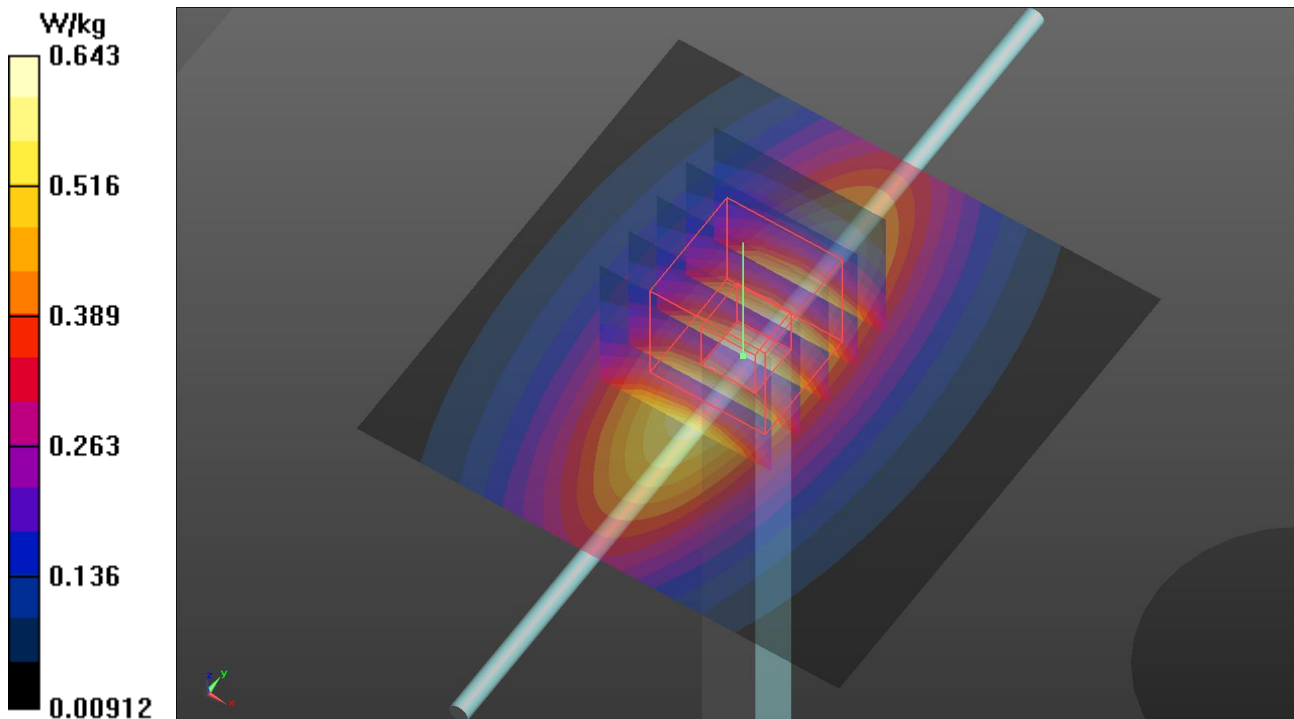
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.98 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.731 W/kg

SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.313 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.646 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

S03 System Check_H1900_220511

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0511 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.463$ S/m; $\epsilon_r = 38.786$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1900 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.08 W/kg

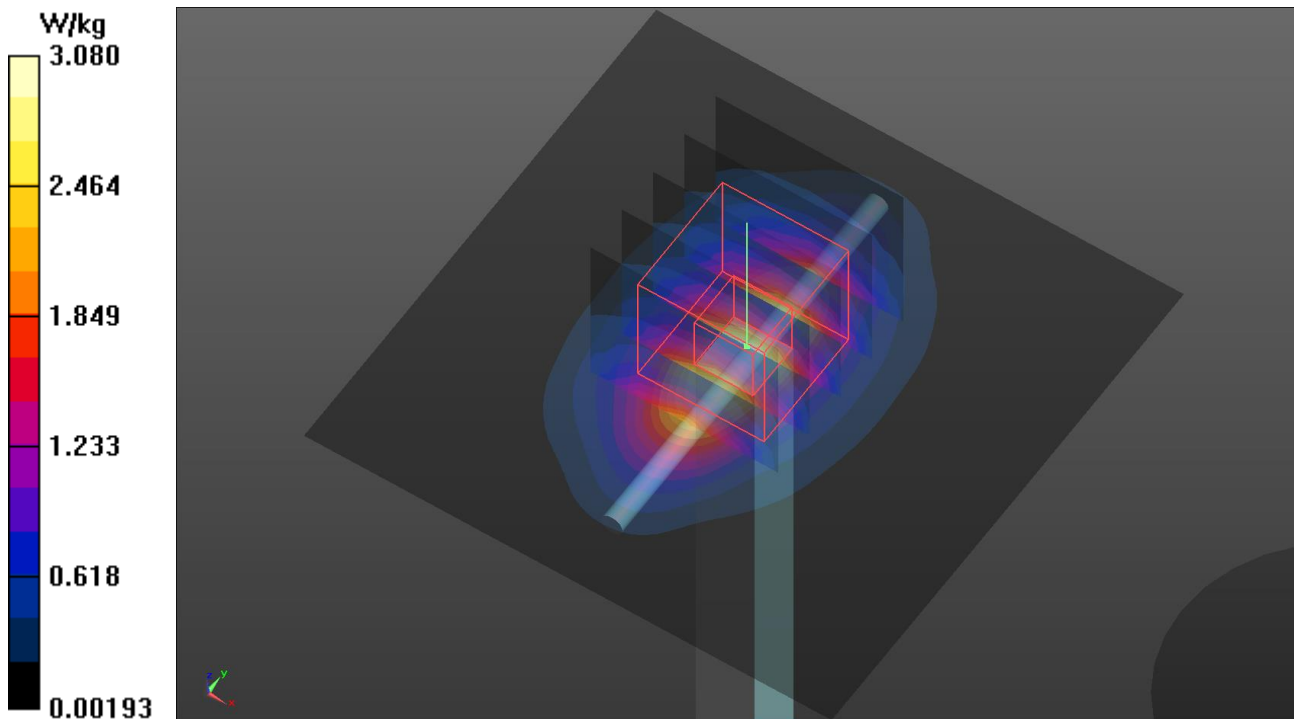
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.53 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.74 W/kg

SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.11 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

S04 System Check_H1750_220511

DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0511 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 39.052$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.72, 8.72, 8.72) @ 1750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.79 W/kg

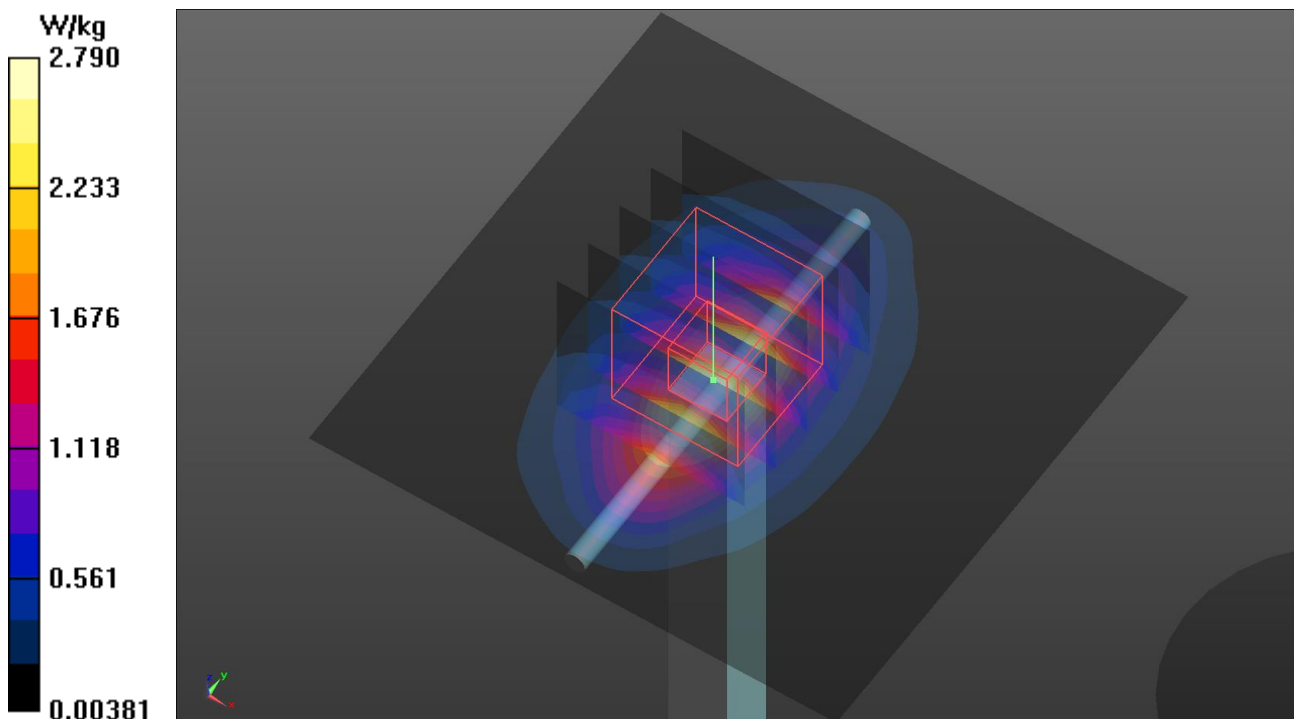
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.23 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 1.74 W/kg; SAR(10 g) = 0.915 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.77 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

S05 System Check_H835_220511

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: H07T10N1_0511 Medium parameters used: $f = 835$ MHz; $\sigma = 0.935$ S/m; $\epsilon_r = 40.691$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 835 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.643 W/kg

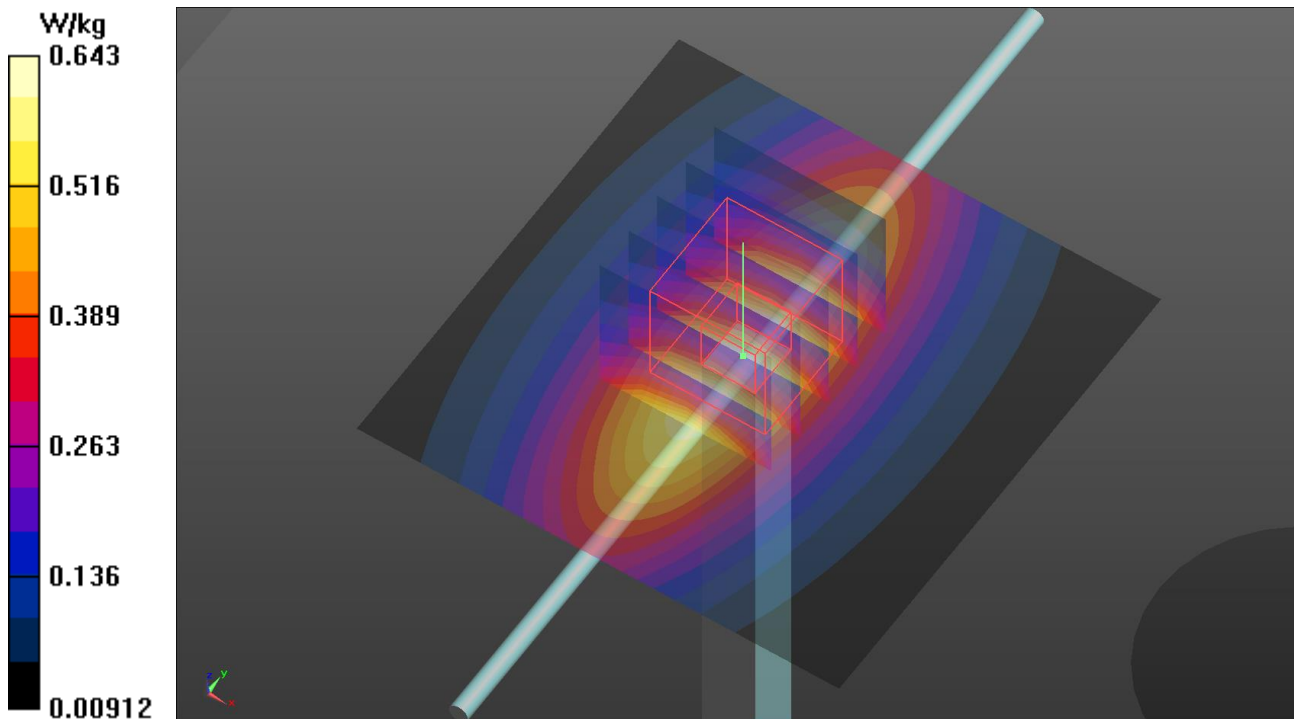
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.98 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.731 W/kg

SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.313 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.646 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

S06 System Check_H750_220511

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: H06T09N1_0511 Medium parameters used: $f = 750$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 41.574$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.533 W/kg

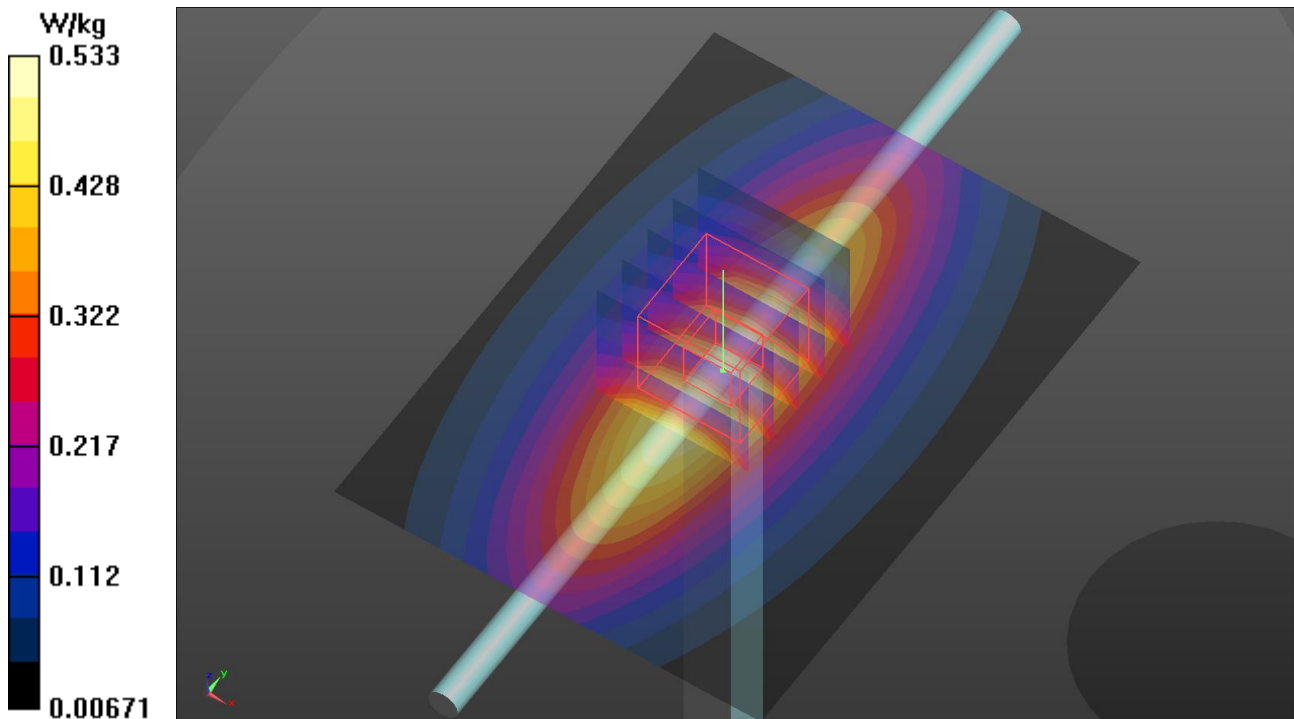
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.46 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.266 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.536 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

S07 System Check_H750_220511

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: H06T09N1_0511 Medium parameters used: $f = 750$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 41.574$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.533 W/kg

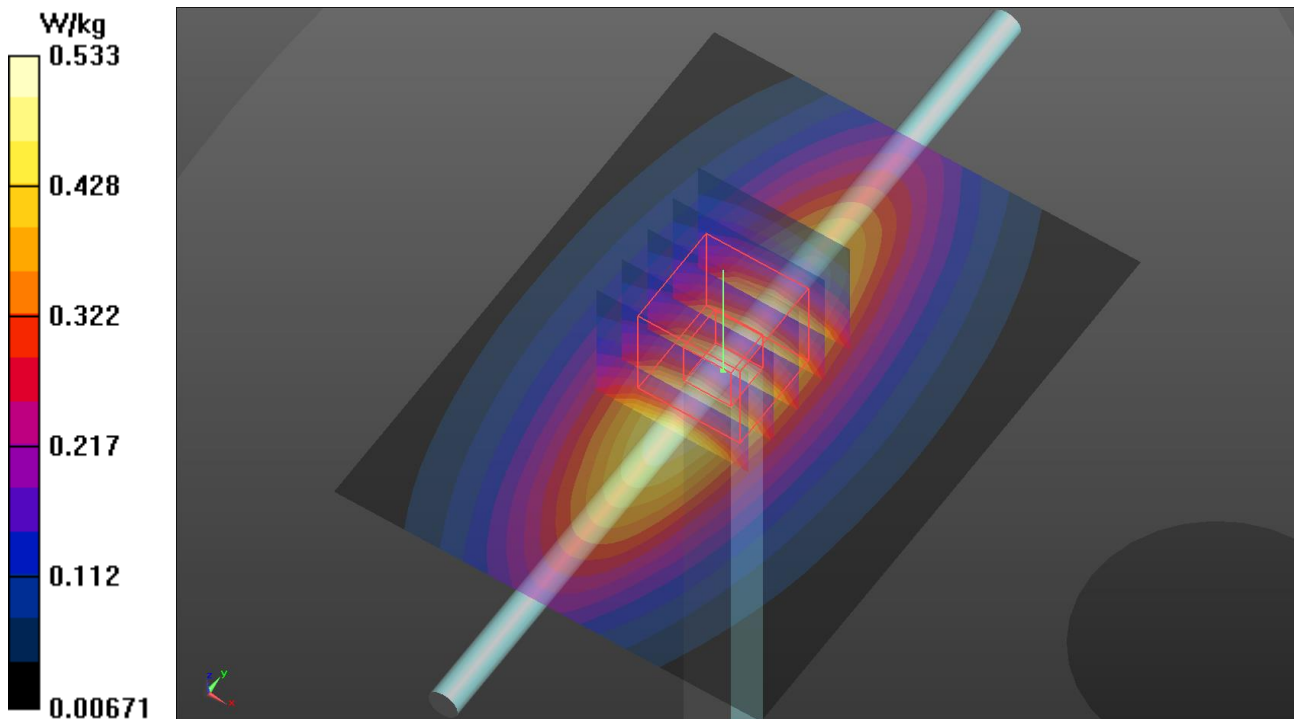
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.46 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.266 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.536 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/20

S08 System Check_H2450_220520

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: H19T27N1_0520 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.795$ S/m; $\epsilon_r = 37.903$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2450 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.17 W/kg

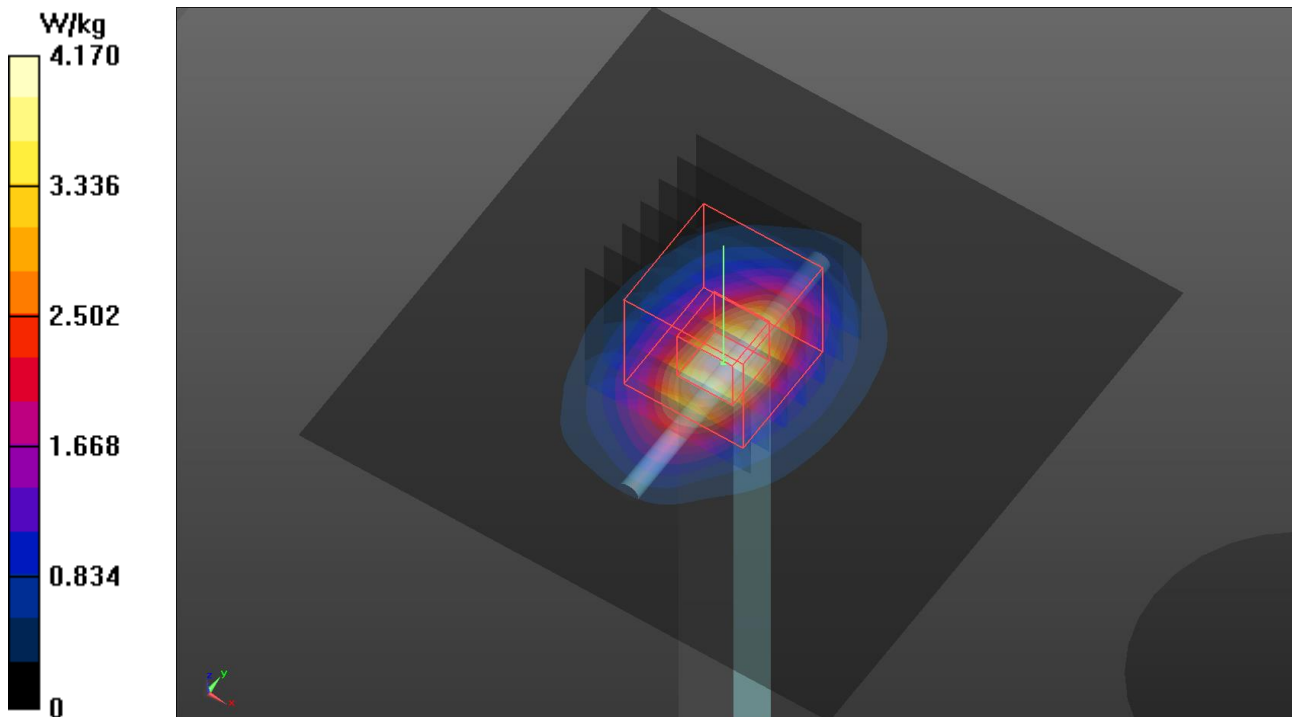
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.90 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.35 W/kg

SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.21 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/20

S09 System Check_H5250_220520

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0520 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.735$ S/m; $\epsilon_r = 36.962$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(5.1, 5.1, 5.1) @ 5250 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.12 W/kg

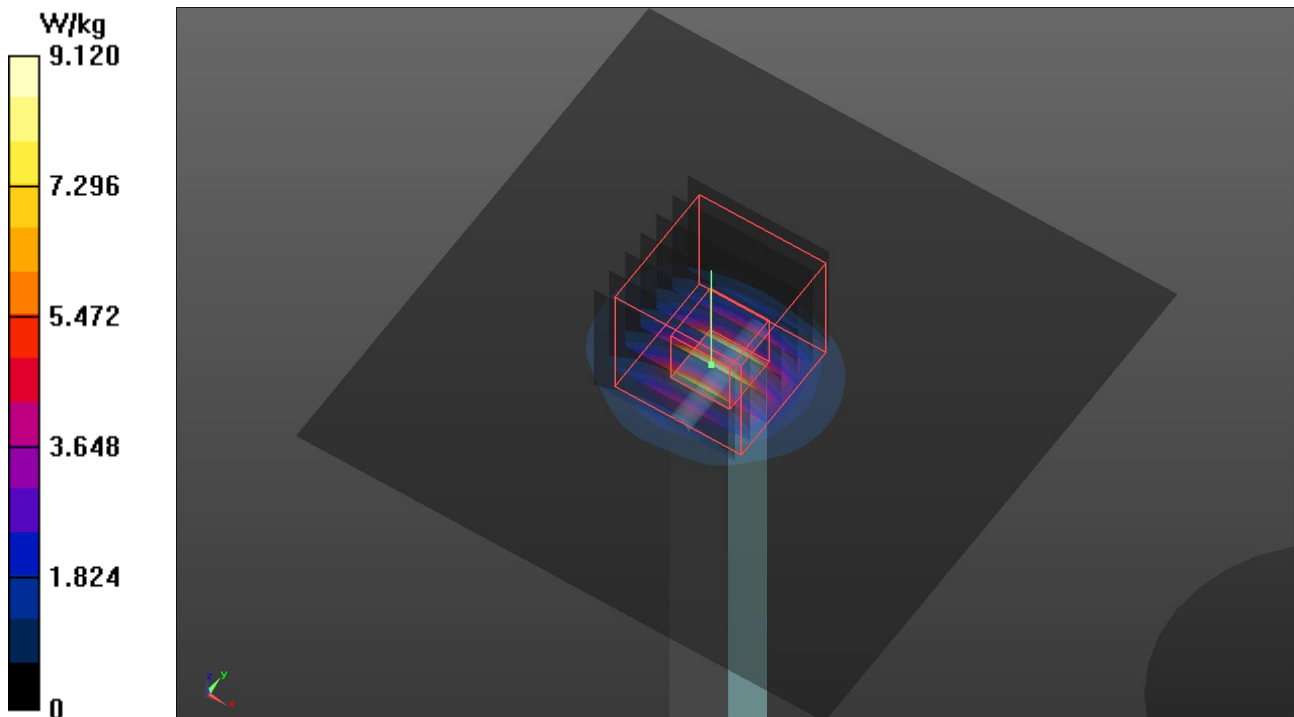
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.29 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 15.9 W/kg

SAR(1 g) = 3.93 W/kg; SAR(10 g) = 1.12 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.84 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/20

S10 System Check_H5600_220520

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0520 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.089$ S/m; $\epsilon_r = 36.492$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.8, 4.8, 4.8) @ 5600 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.93 W/kg

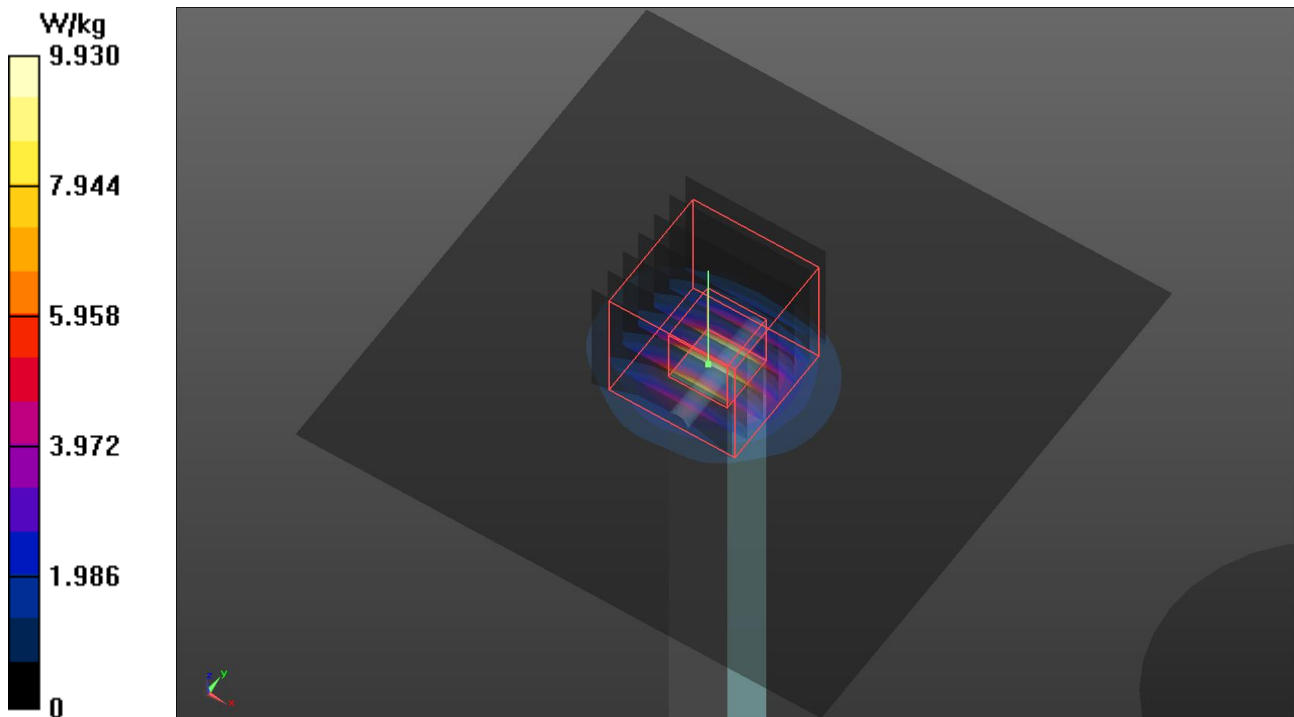
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.31 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 4.06 W/kg; SAR(10 g) = 1.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.6 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/20

S11 System Check_H5750_220520

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0520 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.249$ S/m; $\epsilon_r = 36.271$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.85, 4.85, 4.85) @ 5750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.57 W/kg

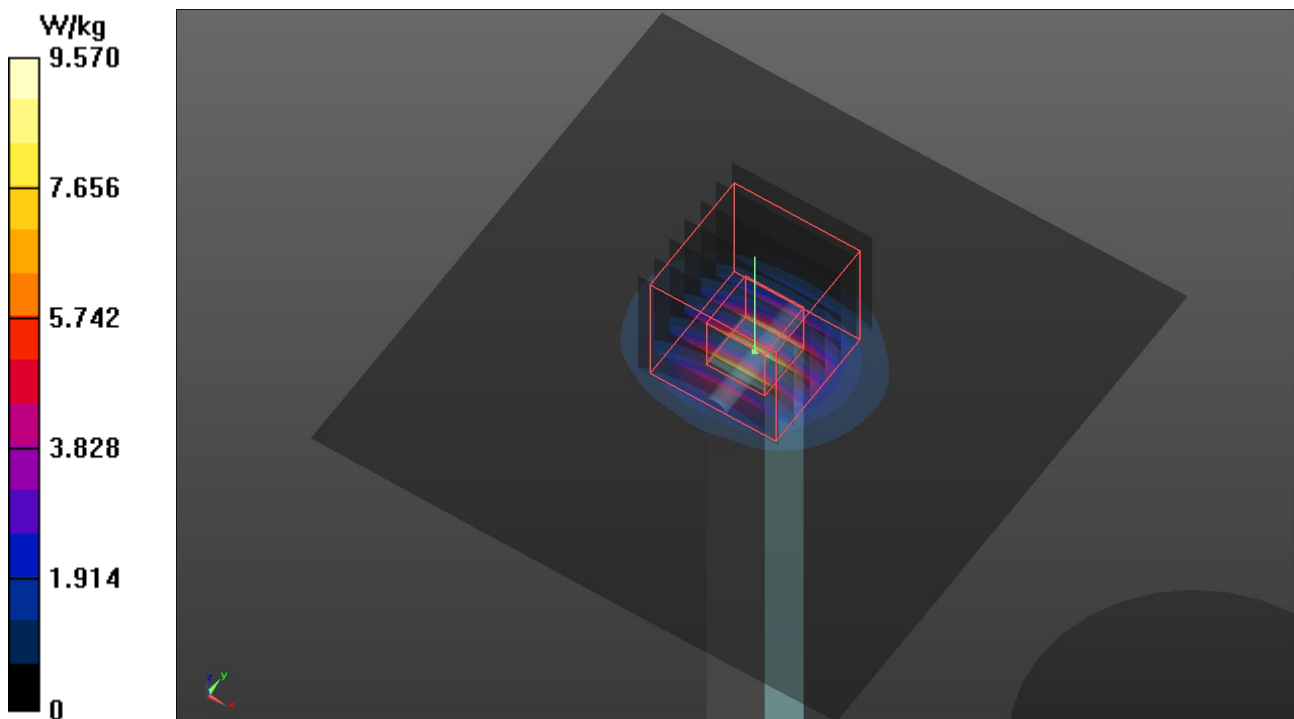
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.36 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 3.97 W/kg; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.3 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/24

S12 System Check_H2450_220524

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: H19T27N1_0524 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.806$ S/m; $\epsilon_r = 38.078$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2450 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.19 W/kg

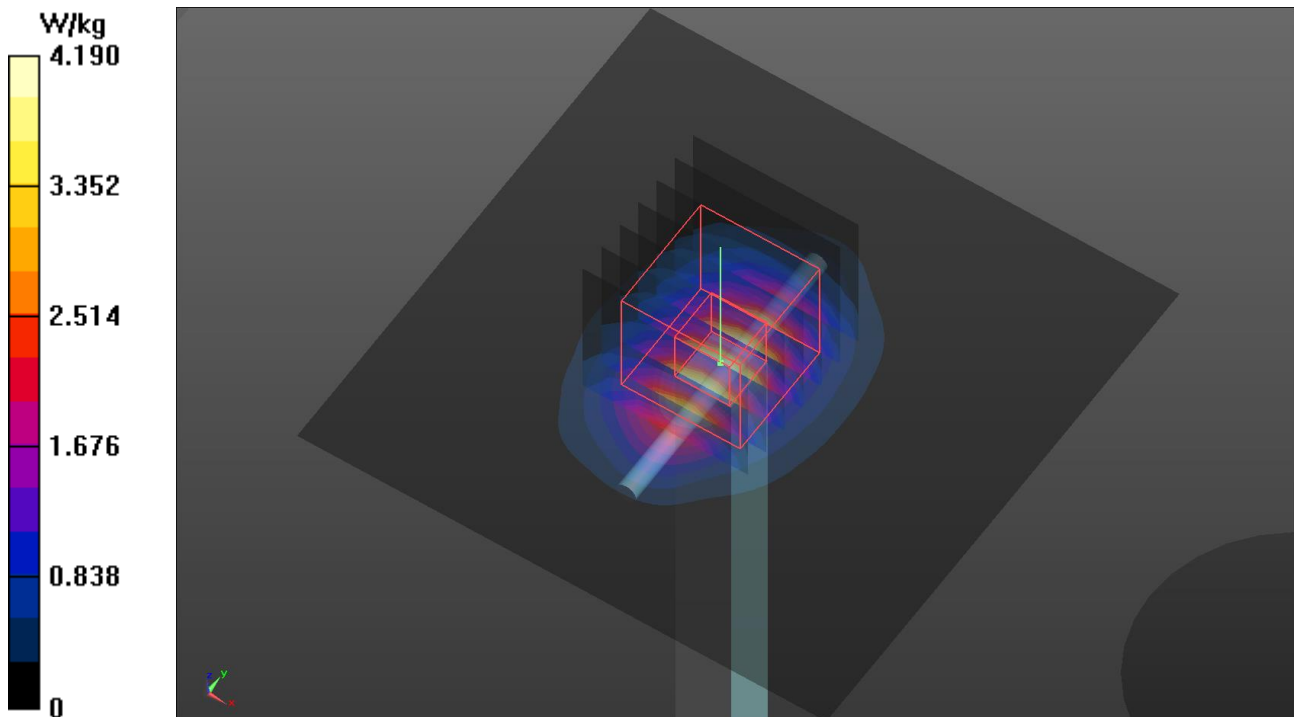
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.90 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.38 W/kg

SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.23 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

S13 System Check_H1900_220512

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0512 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.46$ S/m; $\epsilon_r = 38.641$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1900 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.07 W/kg

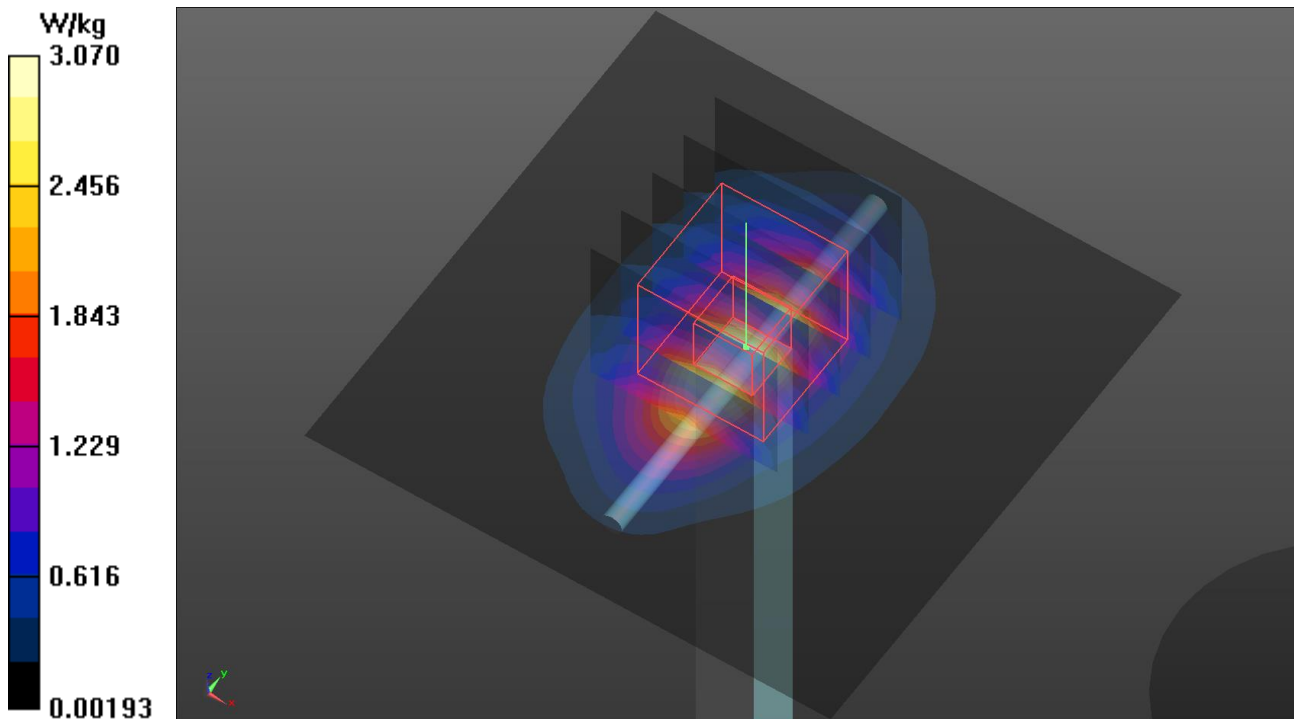
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.53 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.74 W/kg

SAR(1 g) = 1.95 W/kg; SAR(10 g) = 1 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.10 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

S14 System Check_H835_220512

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: H07T10N1_0512 Medium parameters used: $f = 835$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 40.321$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 835 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.643 W/kg

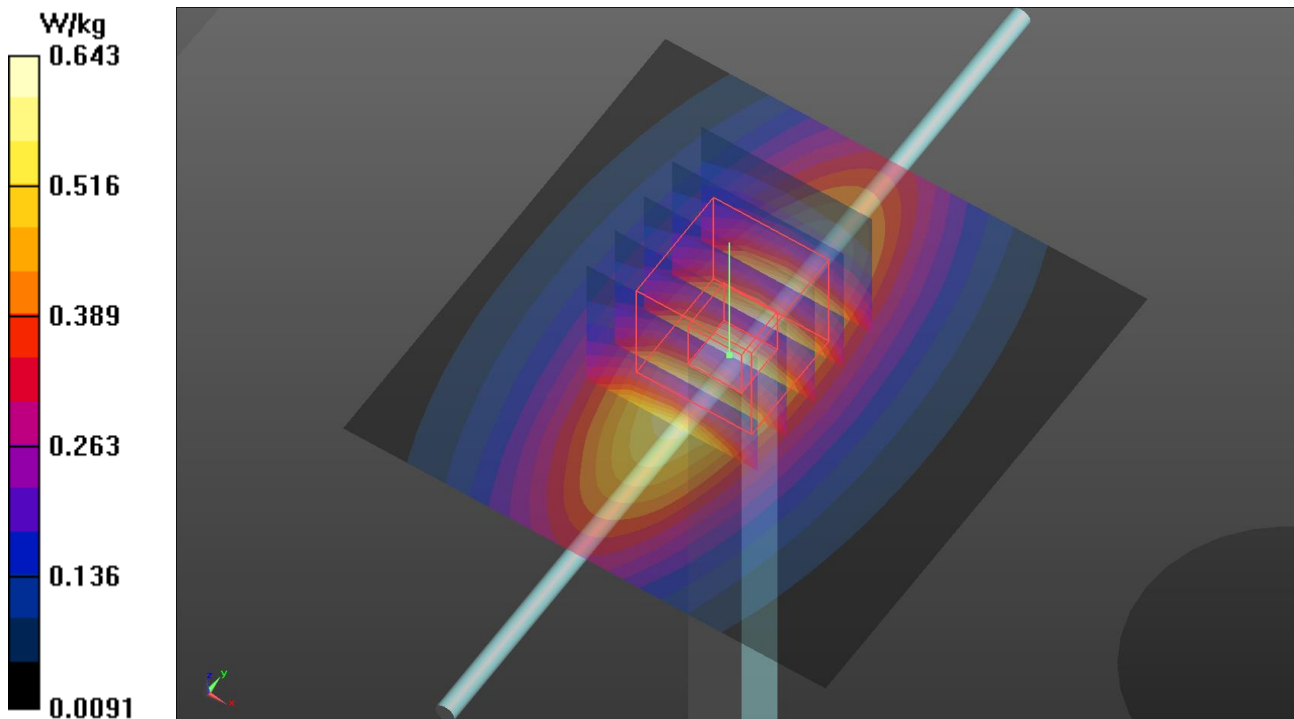
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.98 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.730 W/kg

SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.312 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.645 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

S15 System Check_H1900_220512

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0512 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.46$ S/m; $\epsilon_r = 38.641$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1900 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.07 W/kg

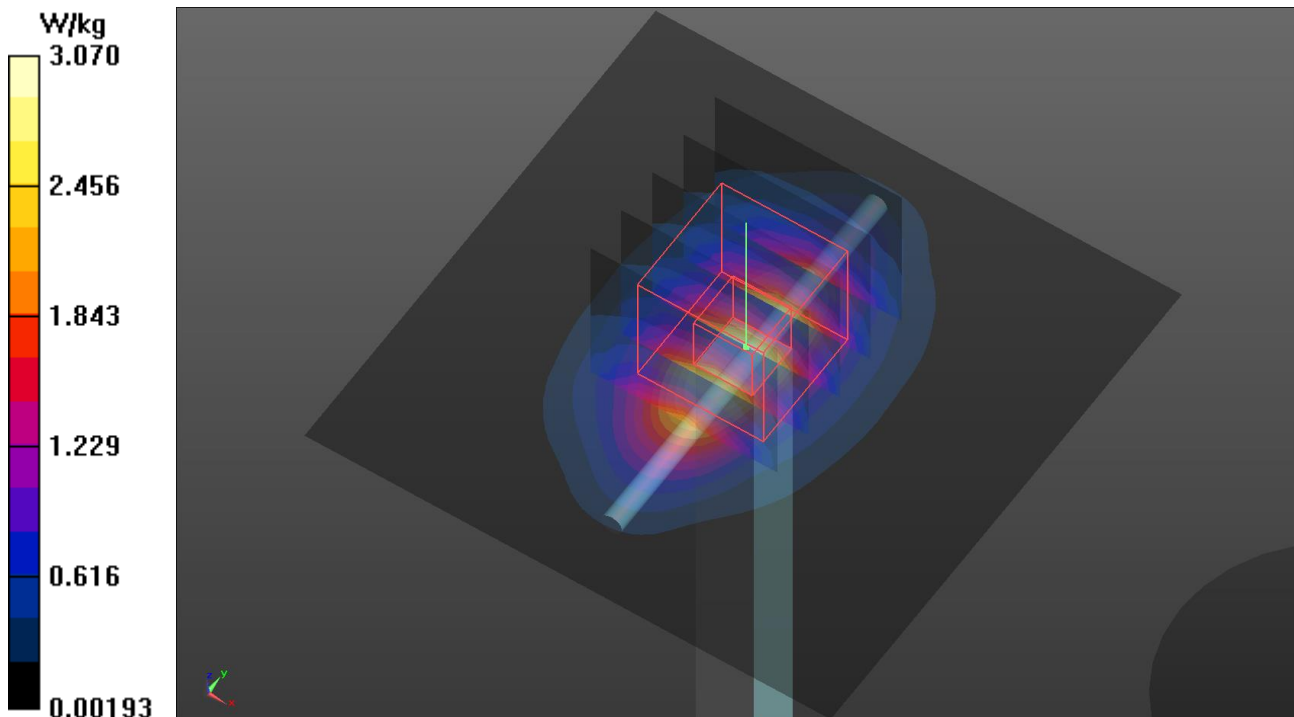
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.53 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.74 W/kg

SAR(1 g) = 1.95 W/kg; SAR(10 g) = 1 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.10 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

S16 System Check_H1750_220512

DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0512 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 38.906$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.72, 8.72, 8.72) @ 1750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.78 W/kg

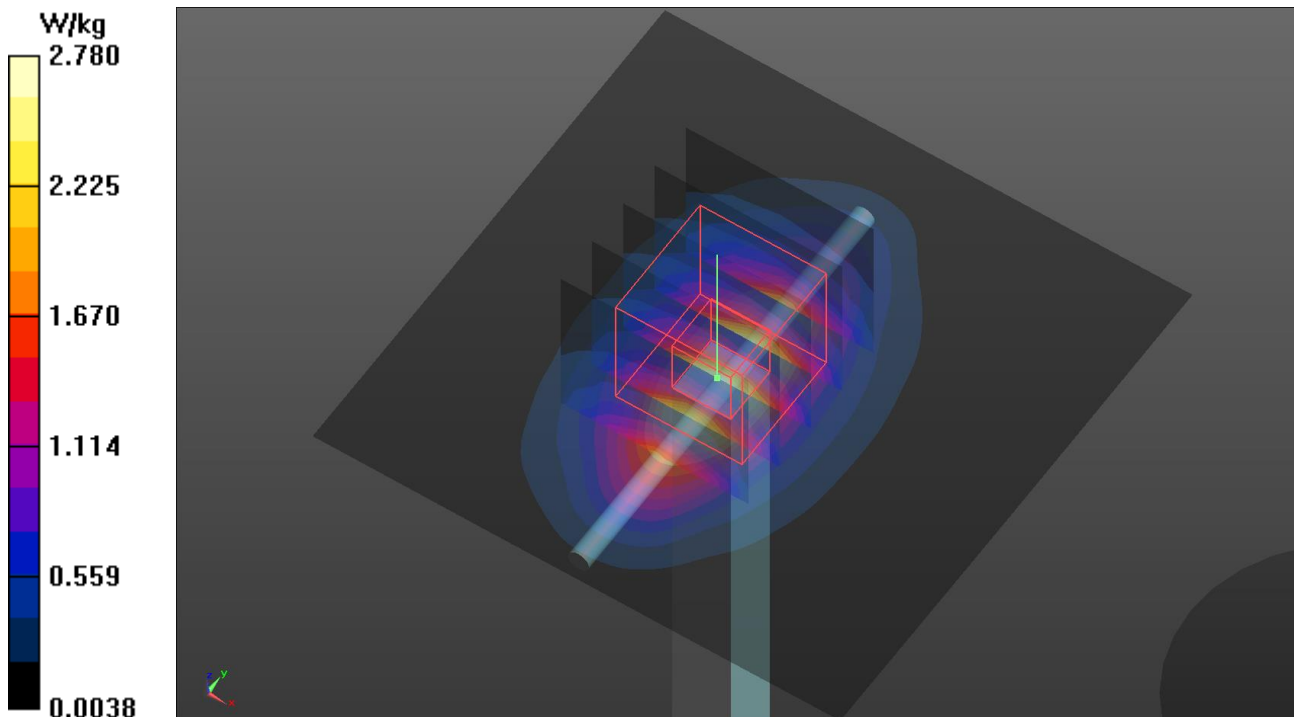
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.23 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 1.74 W/kg; SAR(10 g) = 0.913 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.77 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

S17 System Check_H835_220512

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: H07T10N1_0512 Medium parameters used: $f = 835$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 40.321$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 835 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.643 W/kg

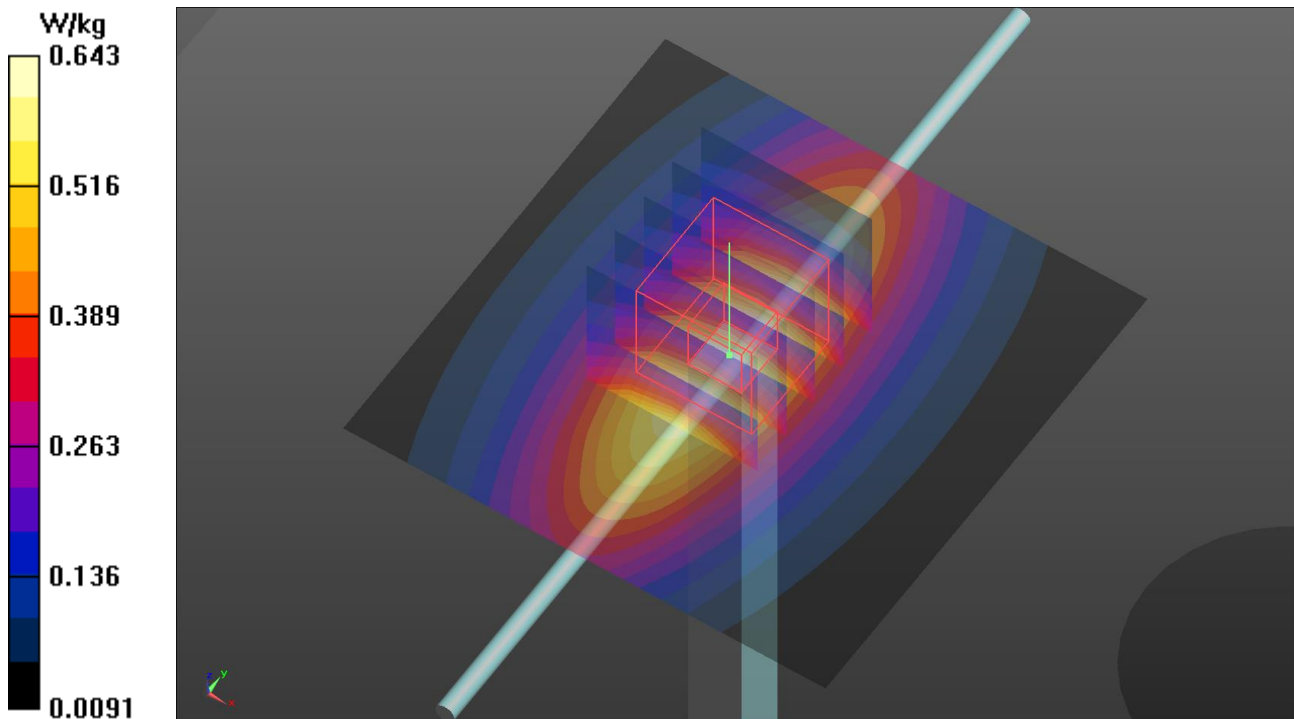
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.98 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.730 W/kg

SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.312 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.645 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

S18 System Check_H750_220512

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: H06T09N1_0512 Medium parameters used: $f = 750$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 41.504$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.534 W/kg

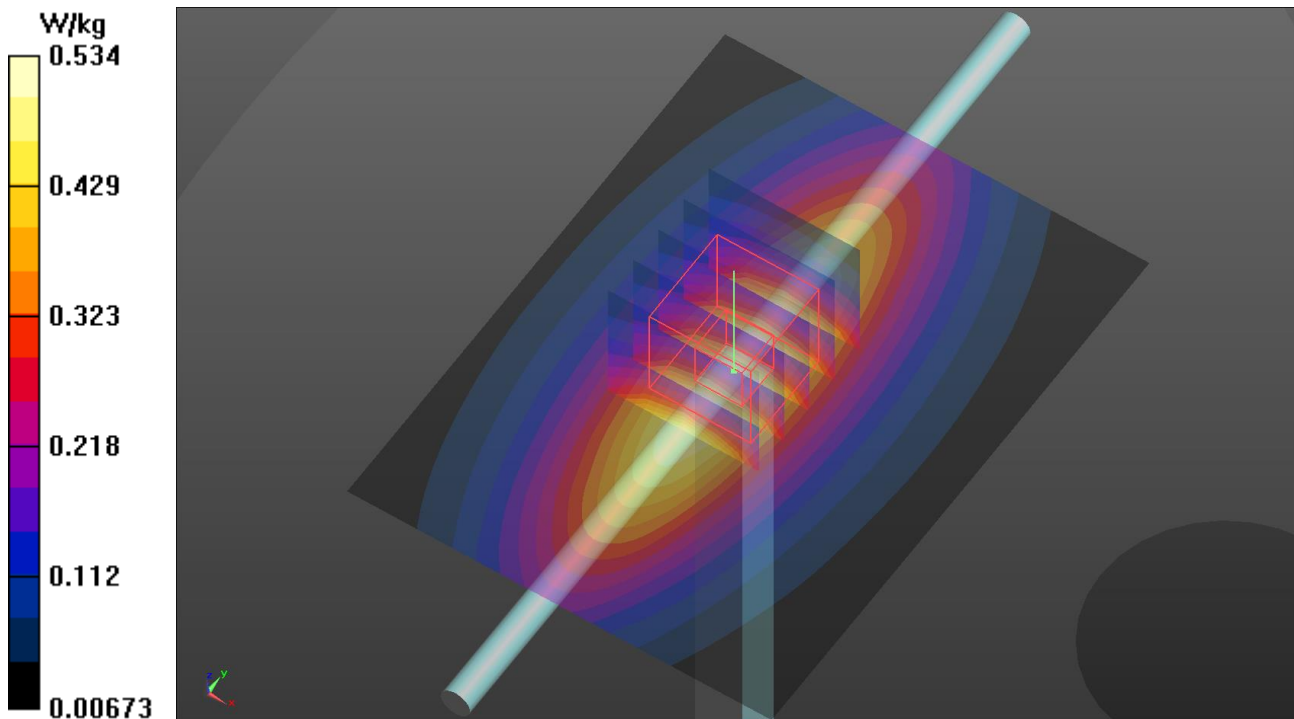
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.46 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.601 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.267 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.537 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

S19 System Check_H750_220512

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: H06T09N1_0512 Medium parameters used: $f = 750$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 41.504$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.534 W/kg

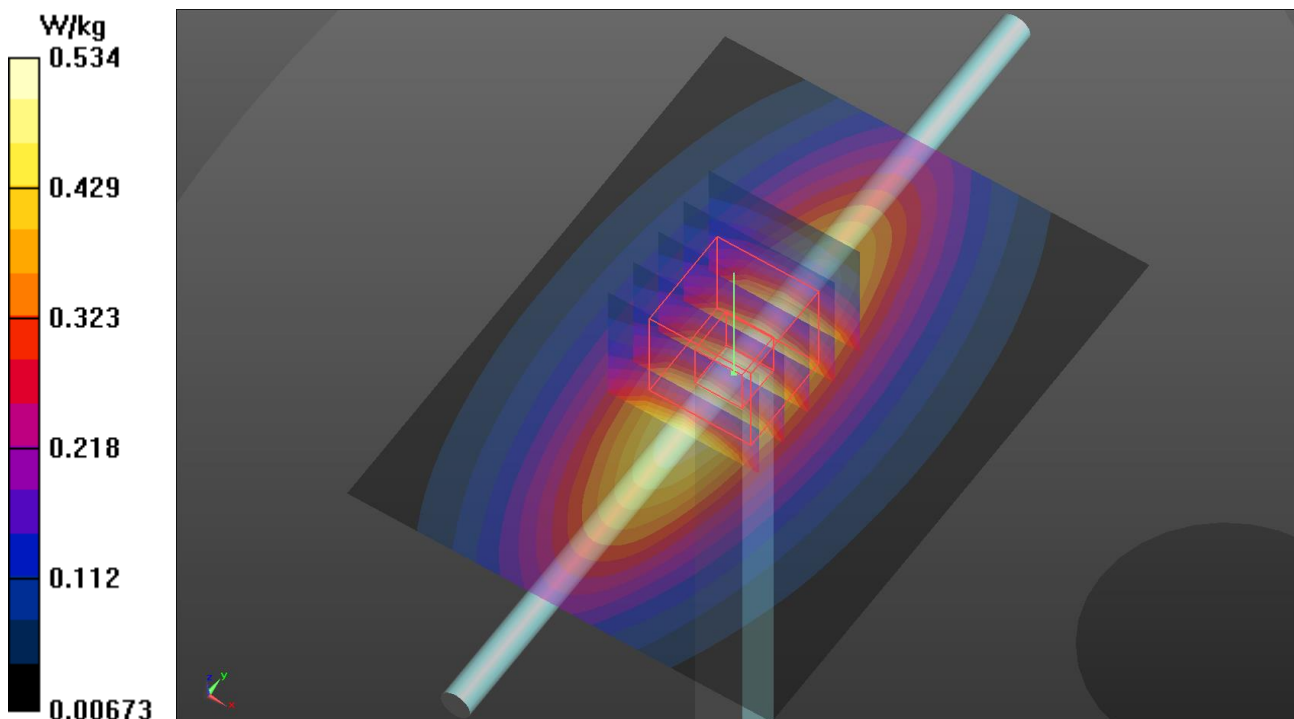
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.46 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.601 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.267 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.537 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/23

S20 System Check_H2450_220523

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: H19T27N1_0523 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.795$ S/m; $\epsilon_r = 37.932$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2450 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.16 W/kg

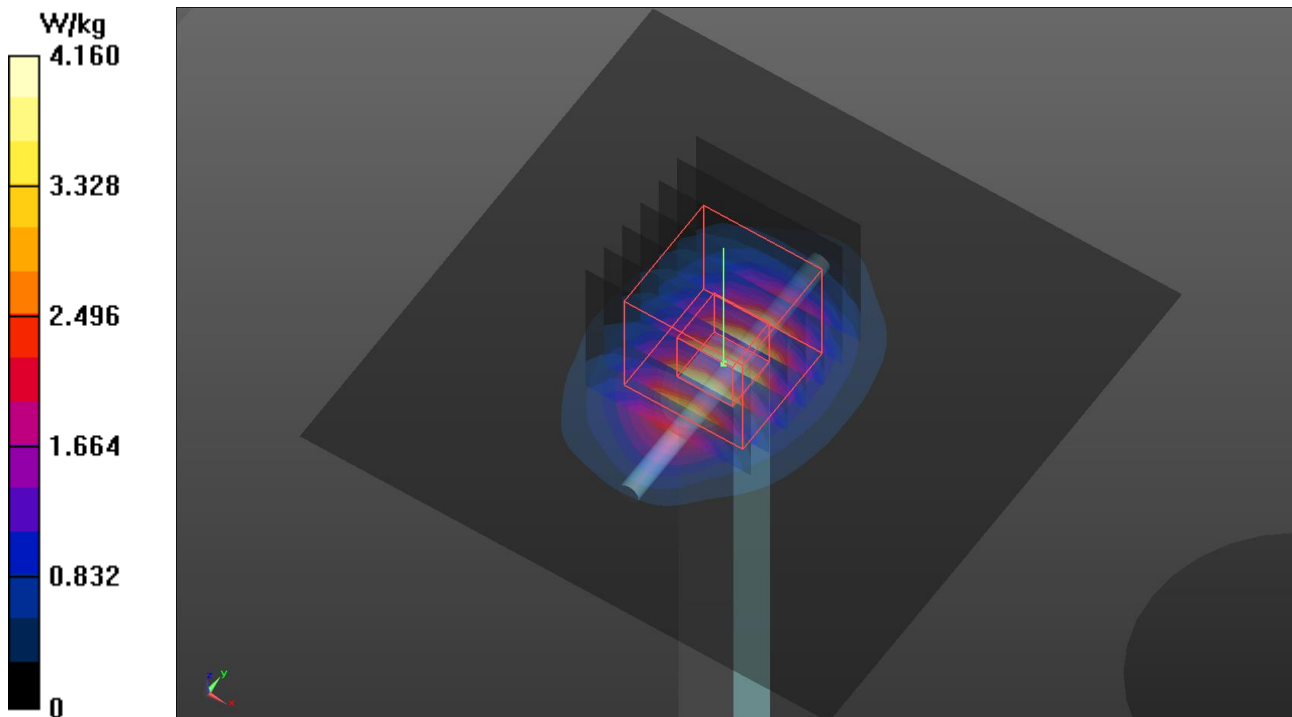
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.90 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.34 W/kg

SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.20 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/23

S21 System Check_H5250_220523

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0523 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.79$ S/m; $\epsilon_r = 37.296$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(5.1, 5.1, 5.1) @ 5250 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.23 W/kg

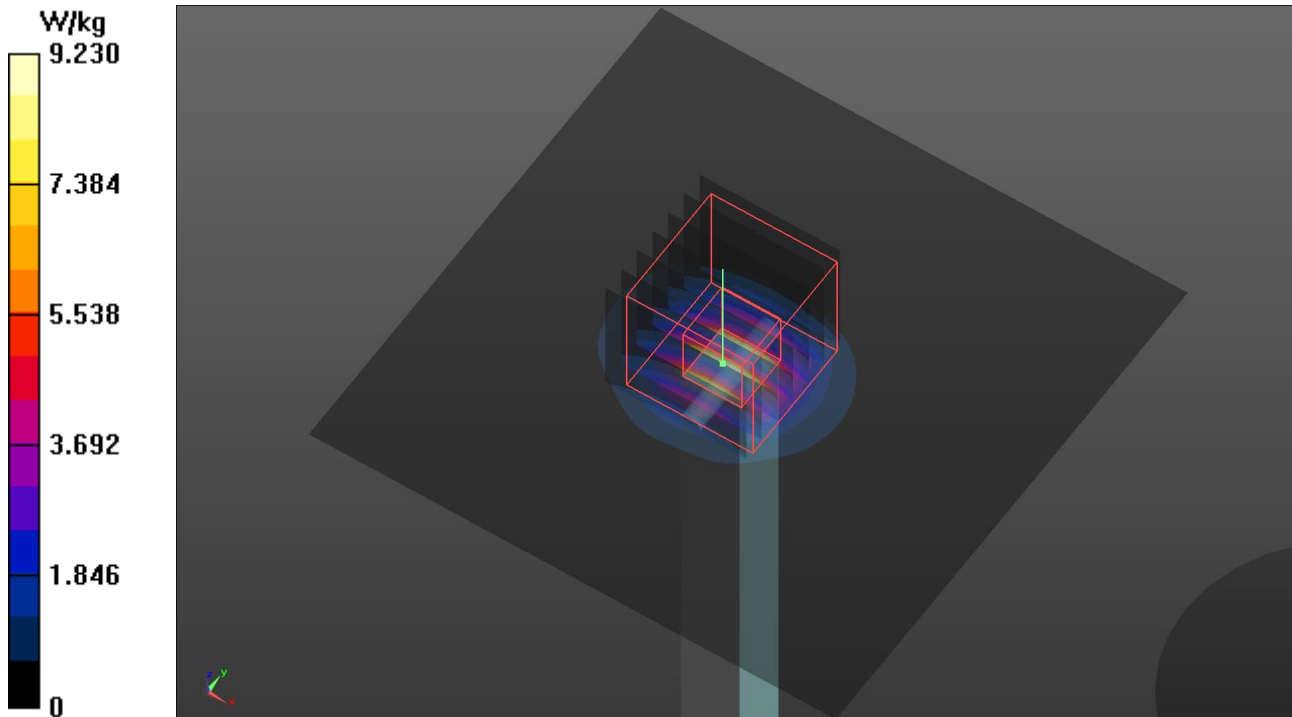
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.29 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 16.1 W/kg

SAR(1 g) = 3.99 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.95 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/23

S22 System Check_H5600_220523

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0523 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.137$ S/m; $\epsilon_r = 36.728$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.8, 4.8, 4.8) @ 5600 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 10.0 W/kg

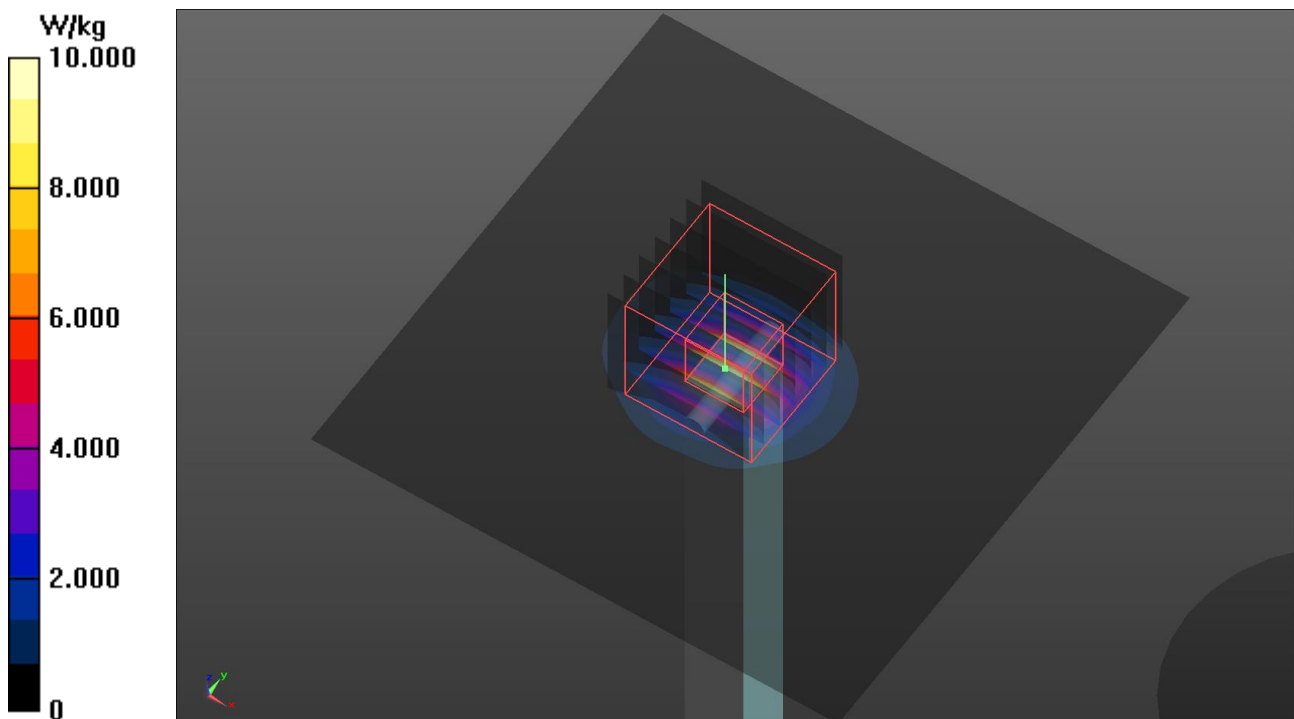
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.31 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 1.16 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.7 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/23

S23 System Check_H5750_220523

DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: H34T60N1_0523 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.282$ S/m; $\epsilon_r = 36.335$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.85, 4.85, 4.85) @ 5750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 9.63 W/kg

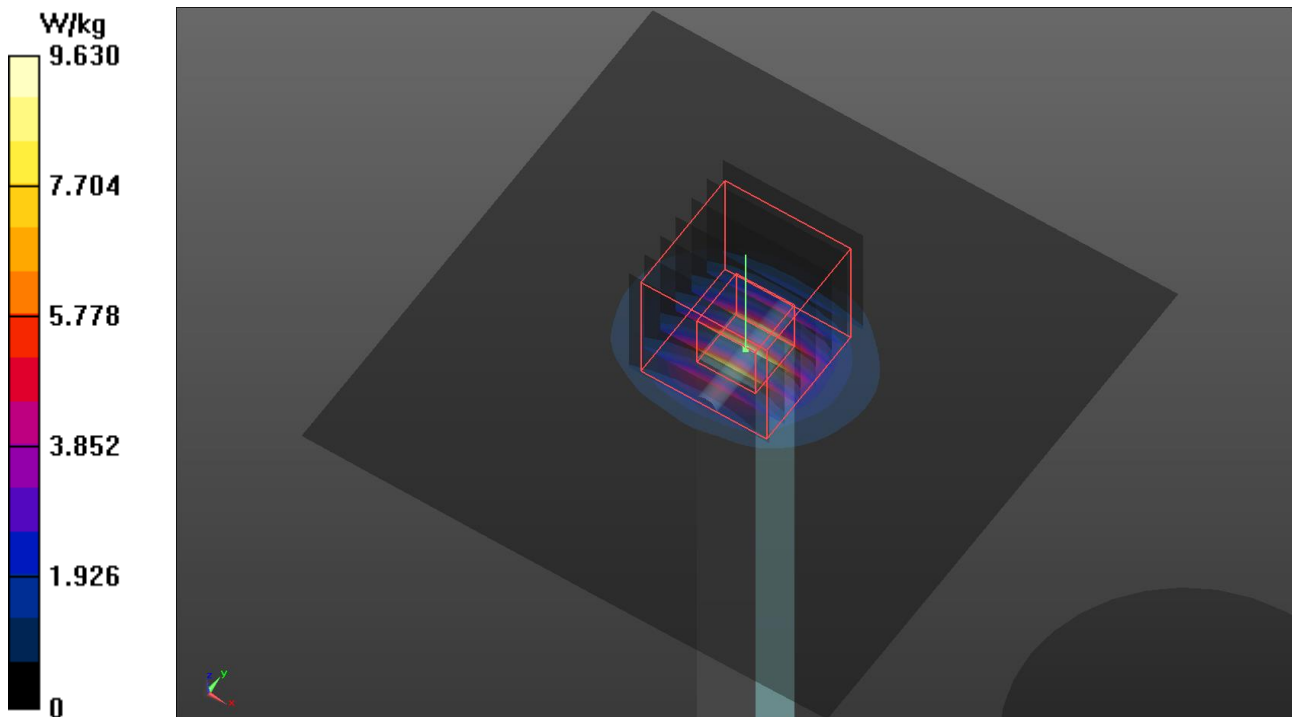
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.36 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 3.99 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.4 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/24

S24 System Check_H2450_220524

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: H19T27N1_0524 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.806$ S/m; $\epsilon_r = 38.078$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2450 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.19 W/kg

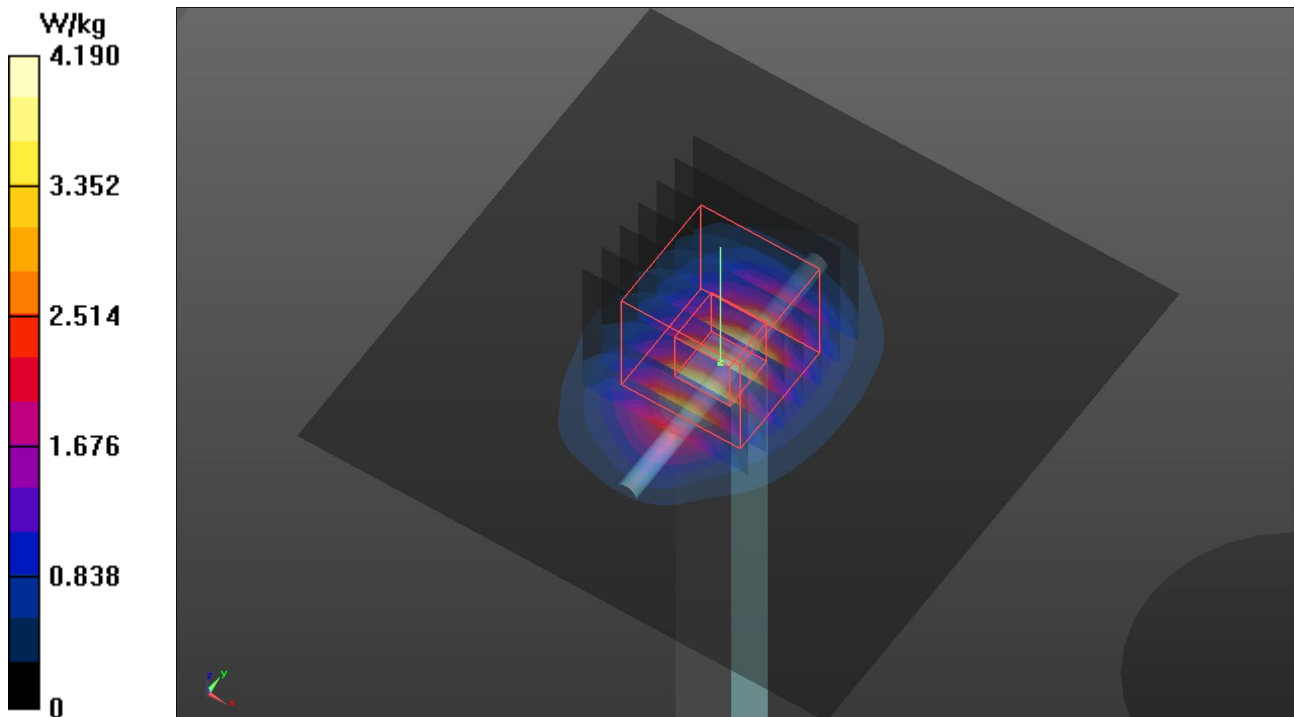
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.90 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.38 W/kg

SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.23 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/13

S25 System Check_H1900_220513

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0513 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.463$ S/m; $\epsilon_r = 38.847$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1900 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.08 W/kg

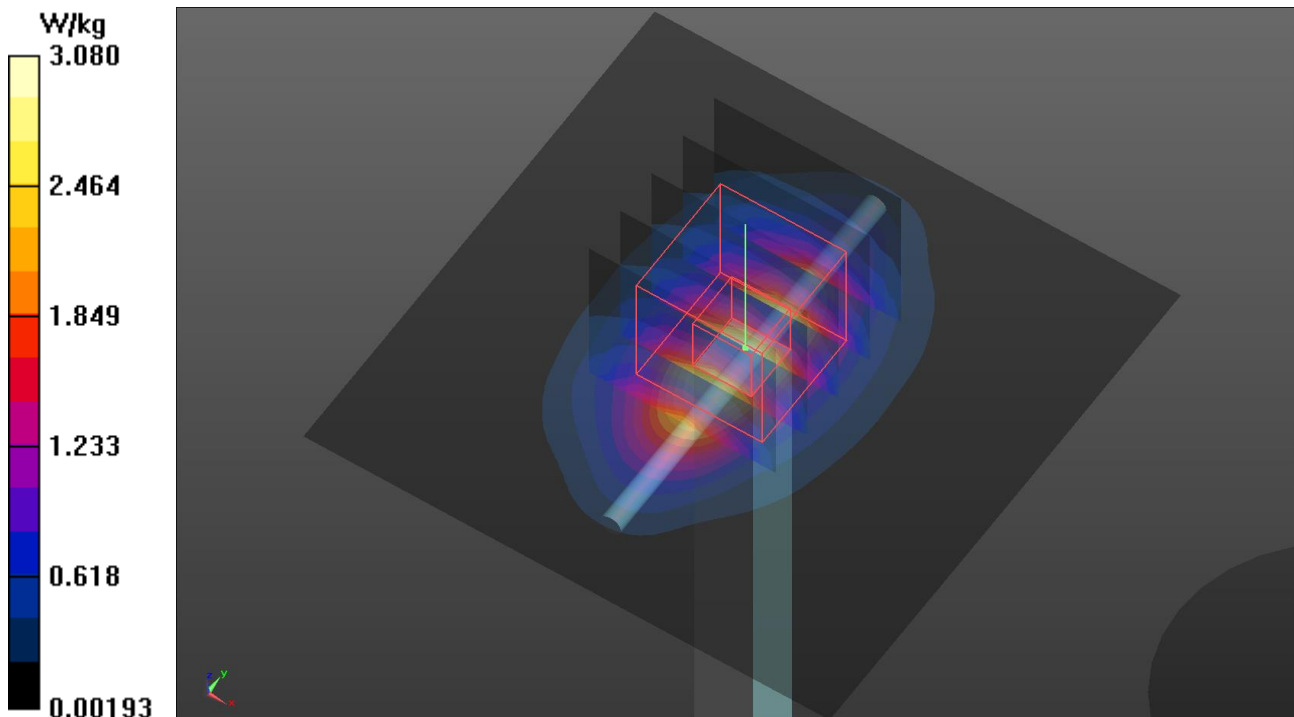
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.53 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.11 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

S26 System Check_H835_220512

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: H07T10N1_0512 Medium parameters used: $f = 835$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 40.321$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 835 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.643 W/kg

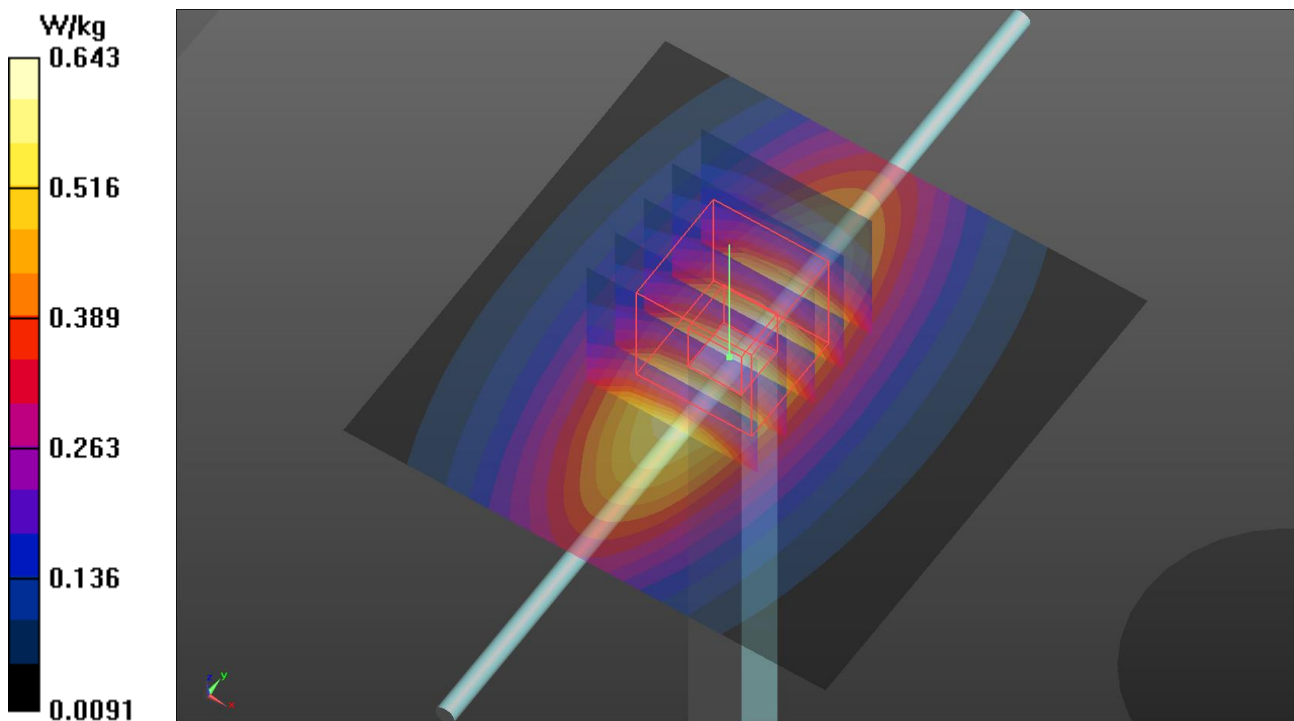
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.98 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.730 W/kg

SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.312 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.645 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/13

S27 System Check_H1900_220513

DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0513 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.463$ S/m; $\epsilon_r = 38.847$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1900 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.08 W/kg

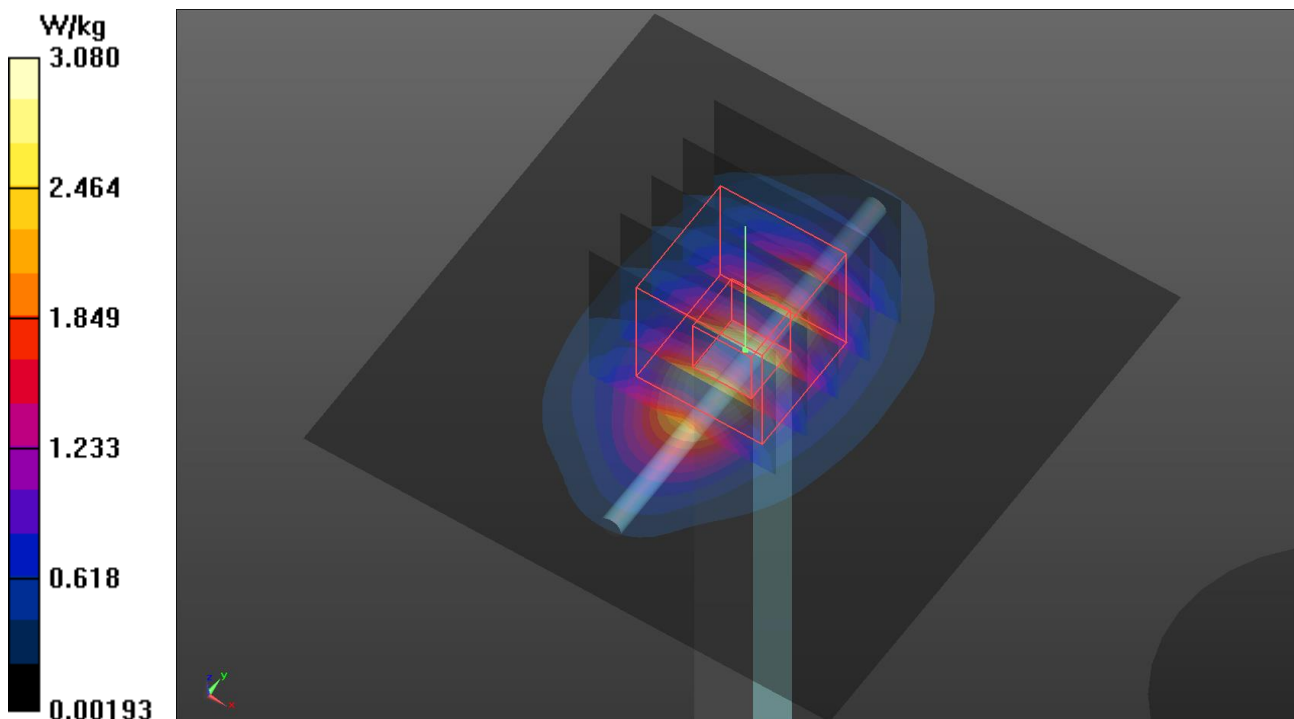
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.53 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.11 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/13

S28 System Check_H1750_220513

DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: H16T20N1_0513 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 39.114$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.72, 8.72, 8.72) @ 1750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.79 W/kg

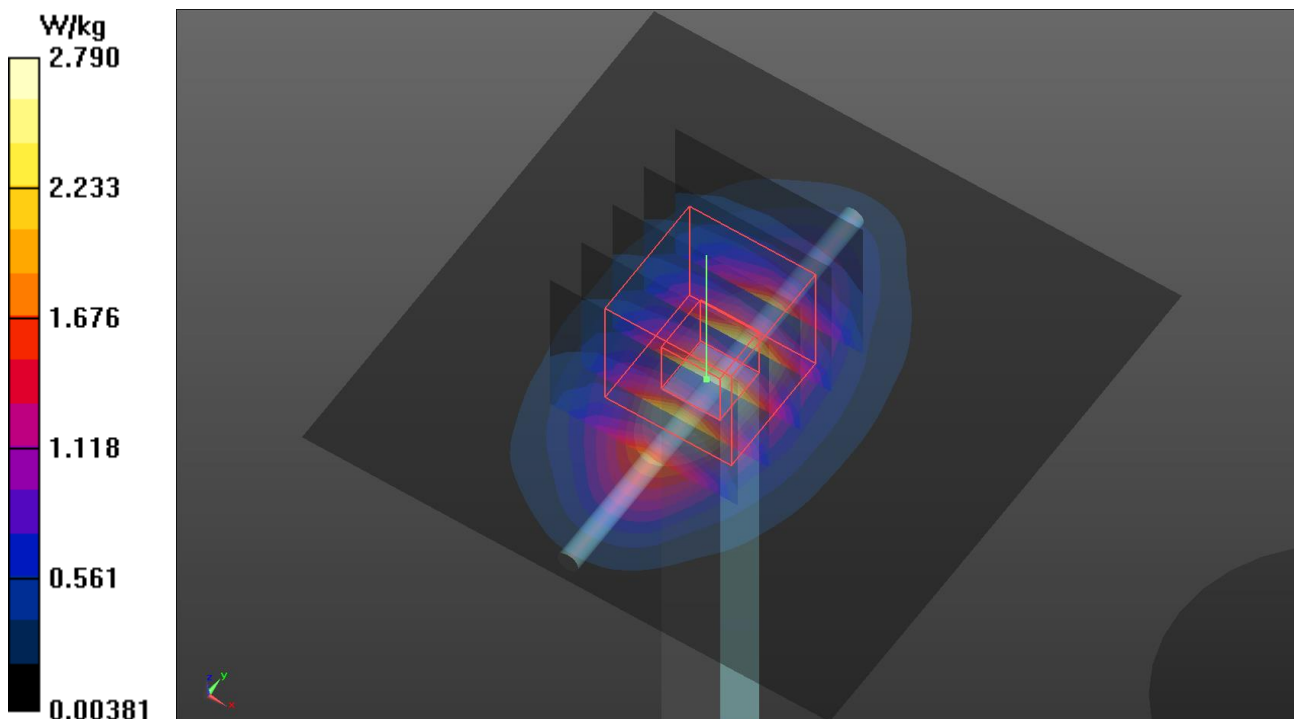
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.23 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 1.74 W/kg; SAR(10 g) = 0.915 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.77 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

S29 System Check_H835_220512

DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: H07T10N1_0512 Medium parameters used: $f = 835$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 40.321$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 835 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.643 W/kg

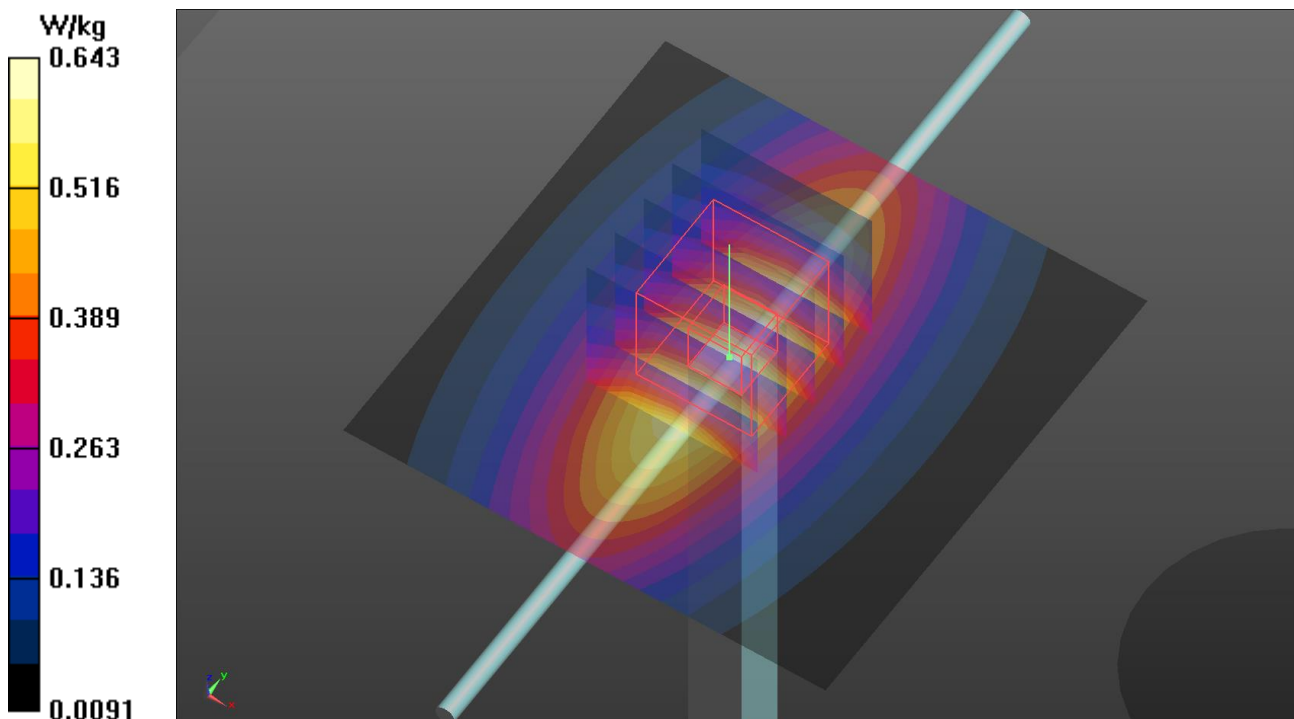
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.98 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.730 W/kg

SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.312 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.645 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/14

S30 System Check_H750_220514

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: H06T09N1_0514 Medium parameters used: $f = 750$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 41.563$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.533 W/kg

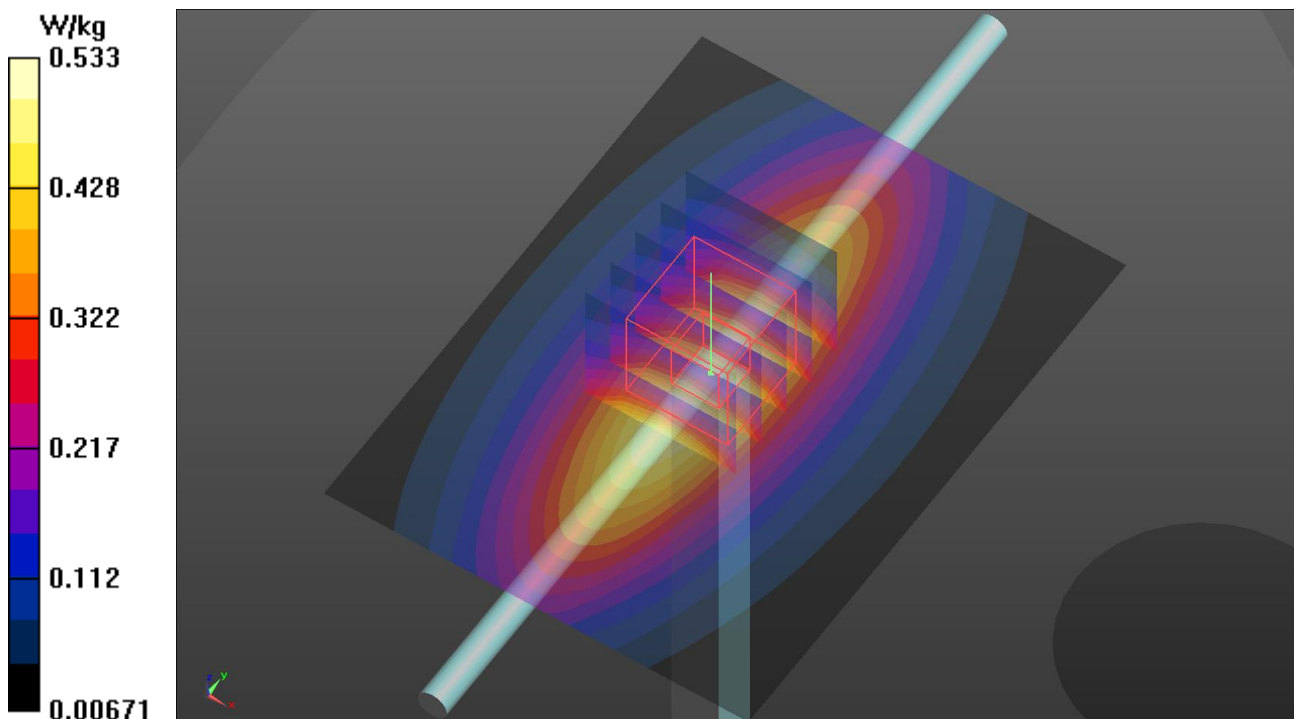
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.46 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.267 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.536 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/14

S31 System Check_H750_220514

DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: H06T09N1_0514 Medium parameters used: $f = 750$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 41.563$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.533 W/kg

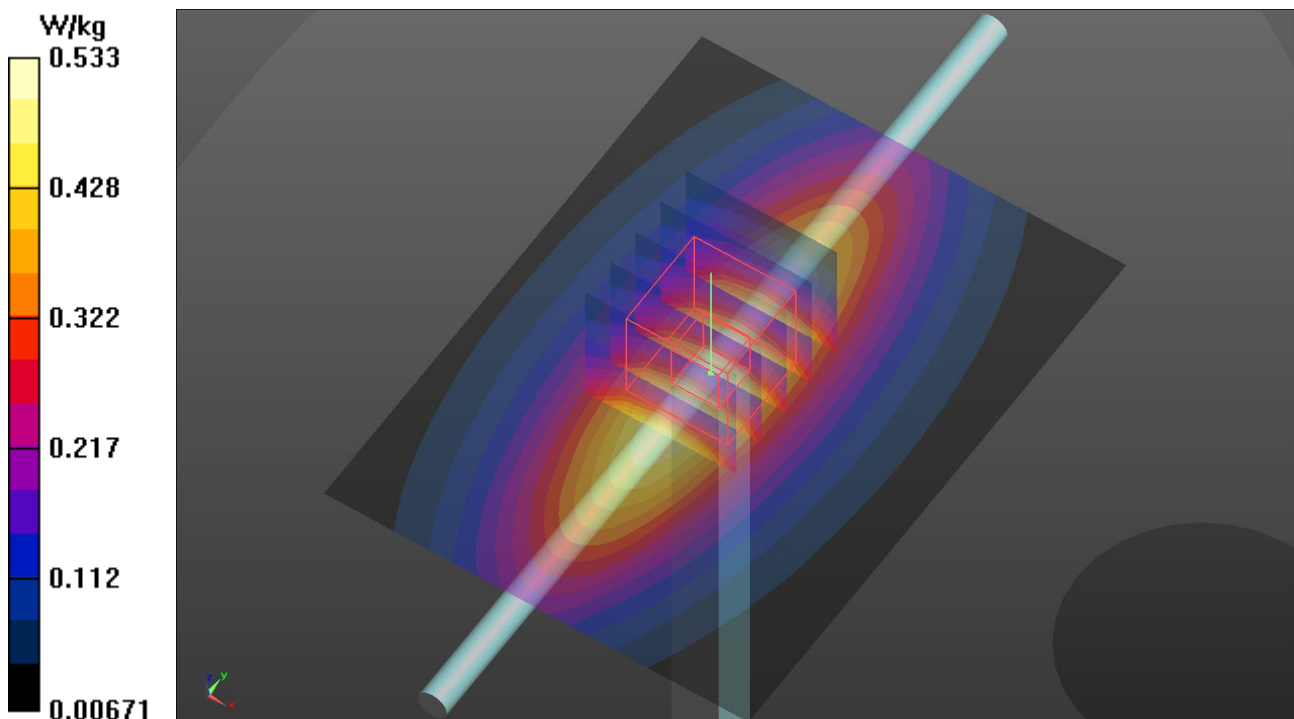
Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.46 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.267 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.536 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/23

S32 System Check_H2450_220523

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: H19T27N1_0523 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.795$ S/m; $\epsilon_r = 37.932$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2450 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 4.16 W/kg

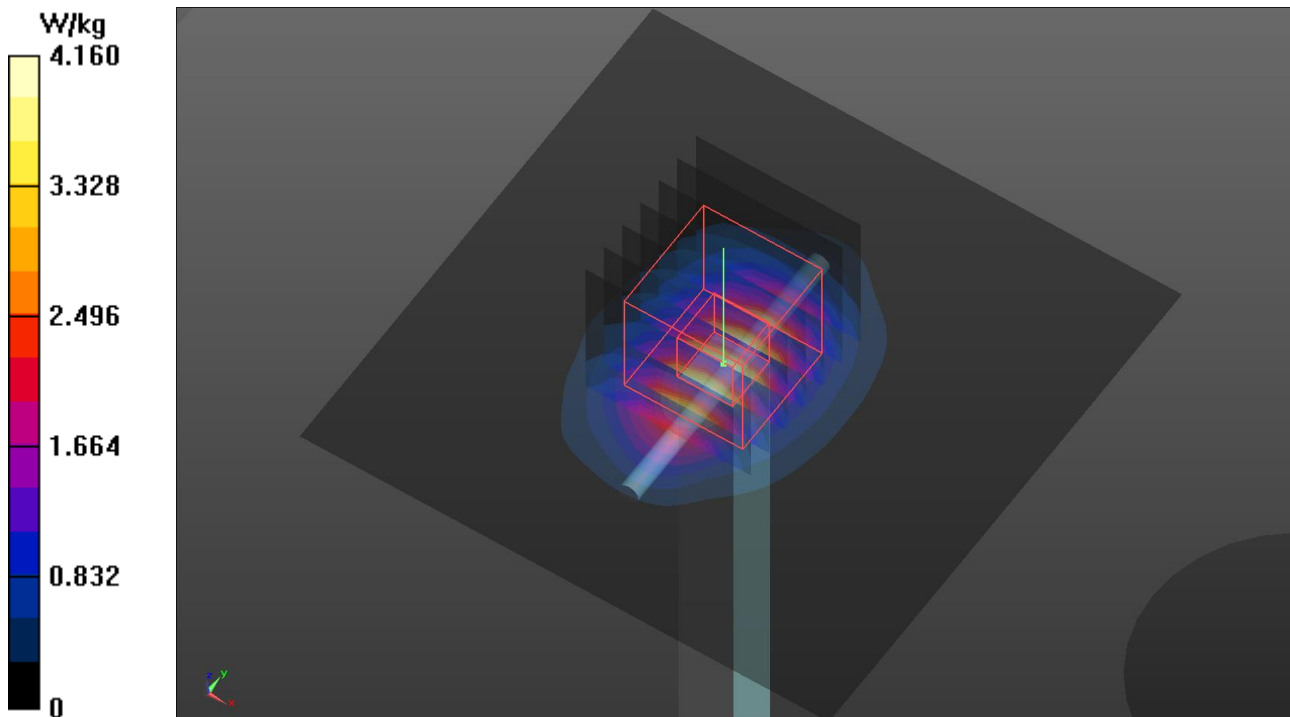
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 47.90 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.34 W/kg

SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.11 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.20 W/kg



Annex B. Plots of Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination are shown as follows.

Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

P01 WCDMA II_RMC12.2K_Right Cheek_Ch9262_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1852.4 MHz; Duty Cycle: 1:1.95
Medium: H16T20N1_0511 Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.433$ S/m; $\epsilon_r = 38.849$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1852.4 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.580 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.85 V/m; Power Drift = 0.15 dB

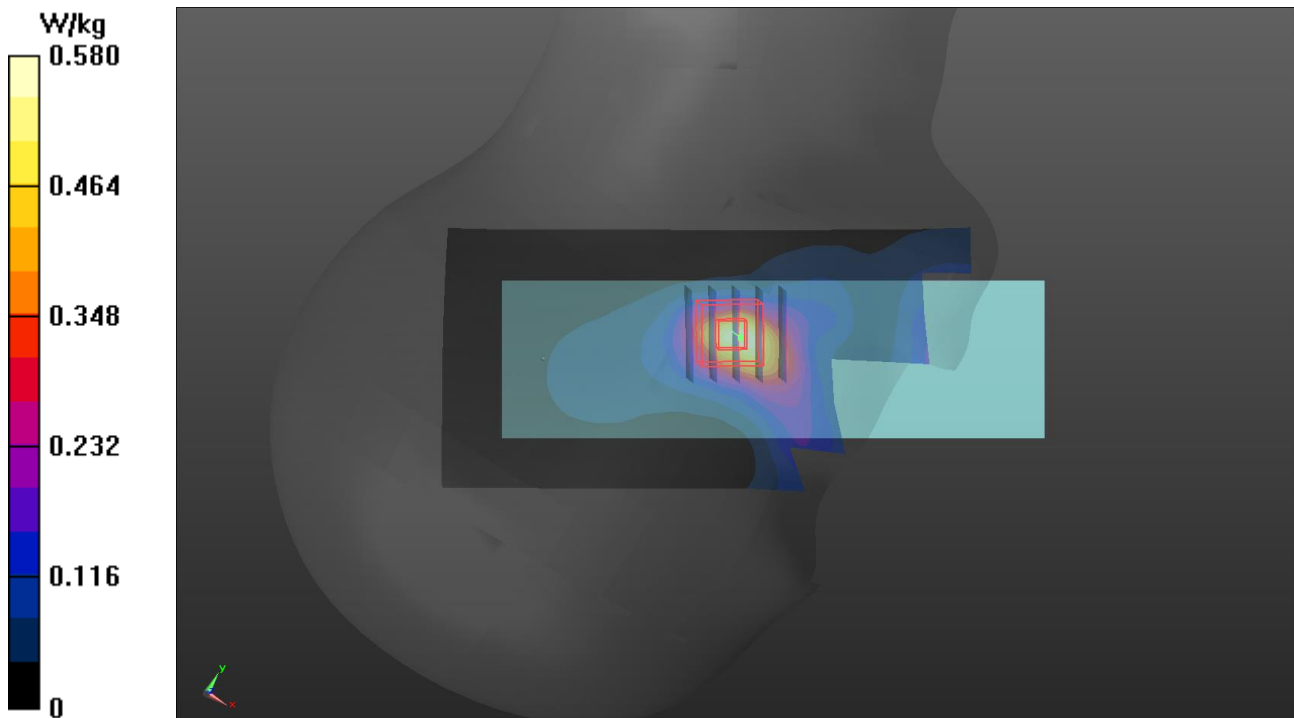
Peak SAR (extrapolated) = 0.773 W/kg

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.216 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9.1 mm

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

Maximum value of SAR (measured) = 0.659 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

P02 WCDMA V_RMC12.2K_Right Cheek_Ch4233_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 846.6 MHz; Duty Cycle: 1:1.95
Medium: H07T10N1_0511 Medium parameters used: $f = 847$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 40.628$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 846.6 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.347 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.57 V/m; Power Drift = 0.03 dB

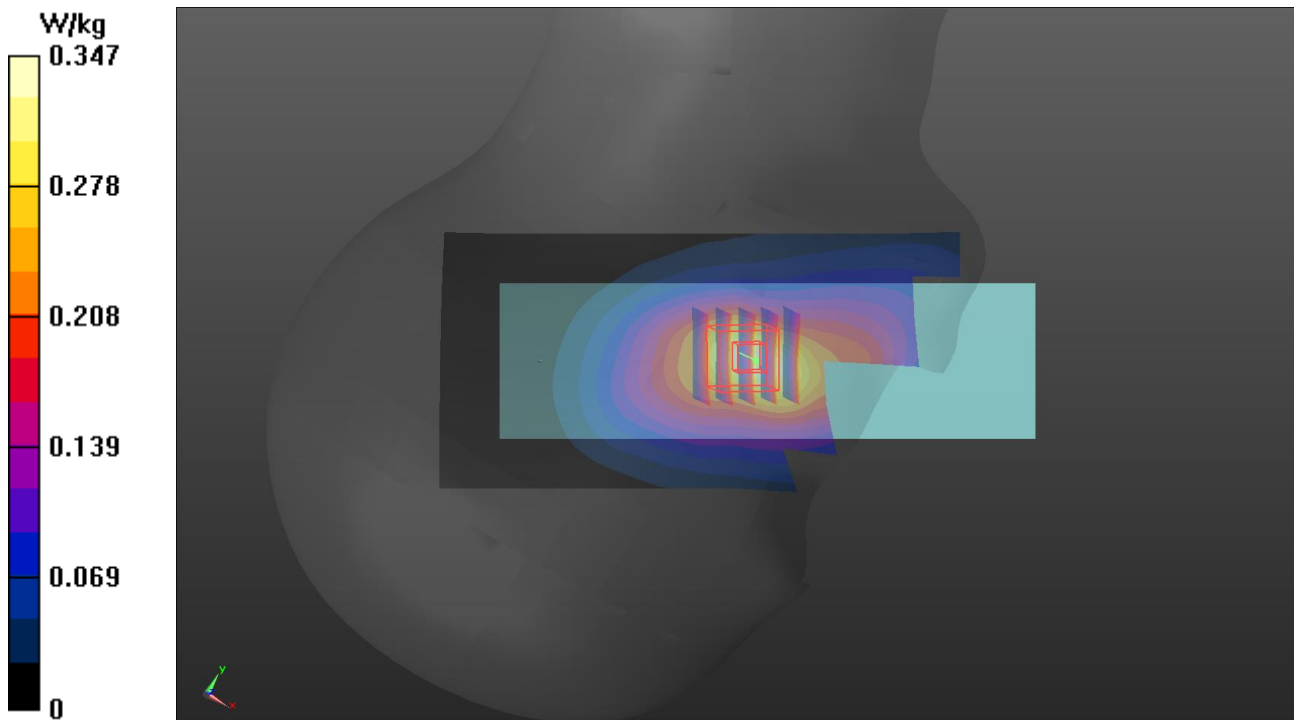
Peak SAR (extrapolated) = 0.390 W/kg

SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.190 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 16.8 mm

Ratio of SAR at M2 to SAR at M1 = 69%

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



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

P03 LTE 2_QPSK20M_Left Cheek_Ch18700_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1860 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1_0511 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.438$ S/m; $\epsilon_r = 38.811$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1860 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.531 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.21 V/m; Power Drift = -0.14 dB

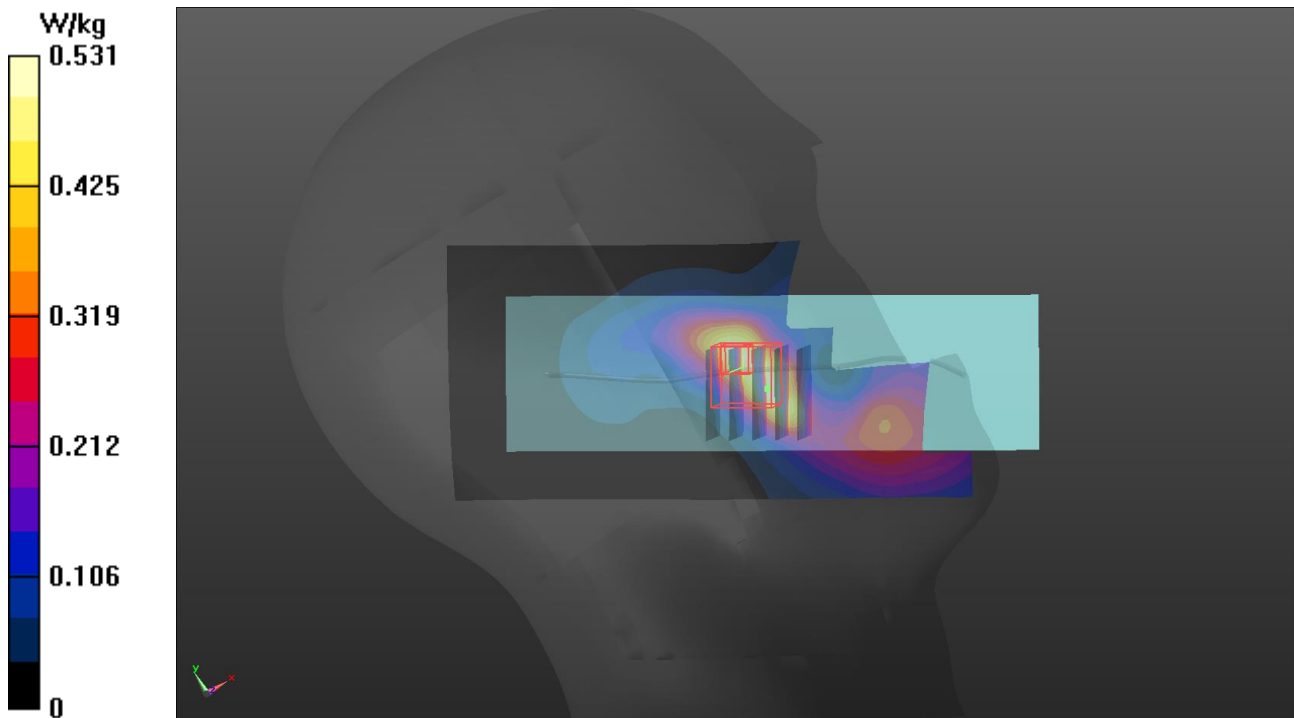
Peak SAR (extrapolated) = 0.735 W/kg

SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.202 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 10.9 mm

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

Maximum value of SAR (measured) = 0.583 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

P04 LTE 4_QPSK20M_Left Cheek_Ch20300_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1745 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1_0511 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.371$ S/m; $\epsilon_r = 39.063$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.72, 8.72, 8.72) @ 1745 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.750 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.86 V/m; Power Drift = -0.09 dB

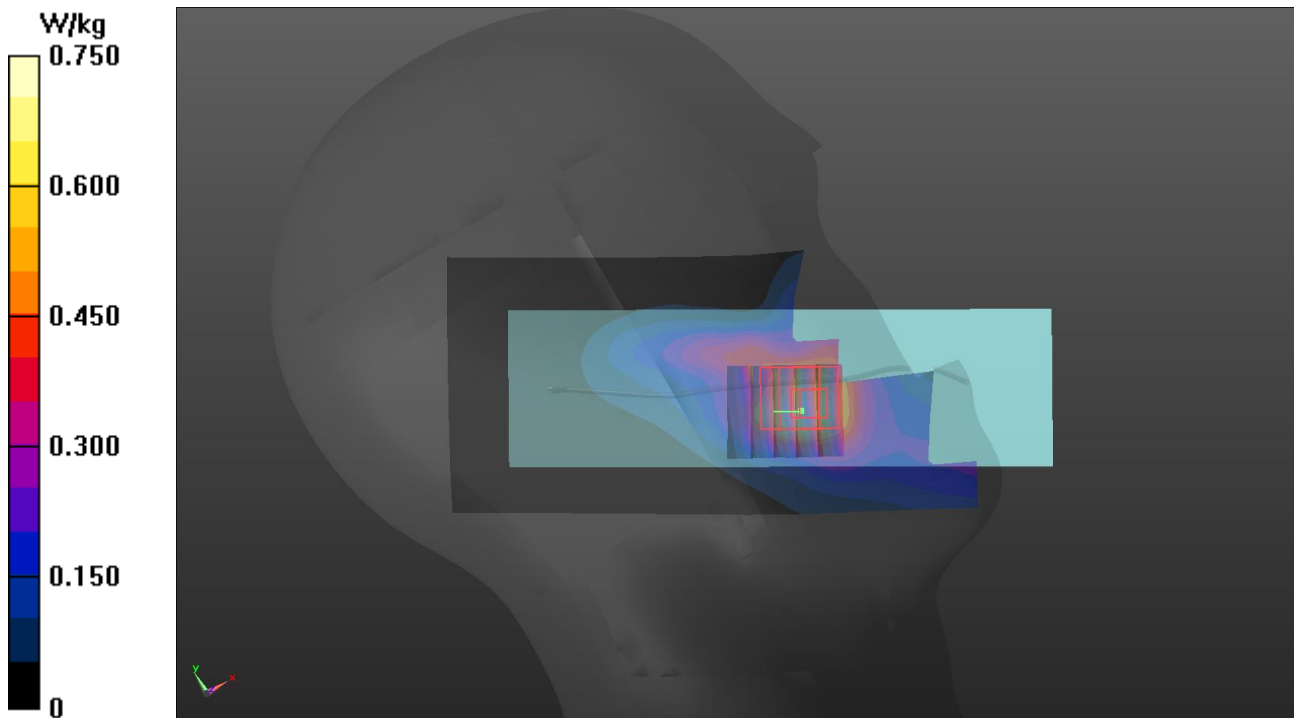
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.346 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 12.3 mm

Ratio of SAR at M2 to SAR at M1 = 52.5%

Maximum value of SAR (measured) = 0.828 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

P05 LTE 5_QPSK10M_Left Cheek_Ch20600_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 844 MHz; Duty Cycle: 1:3.74

Medium: H07T10N1_0511 Medium parameters used: $f = 844$ MHz; $\sigma = 0.938$ S/m; $\epsilon_r = 40.645$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 844 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.303 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.25 V/m; Power Drift = -0.04 dB

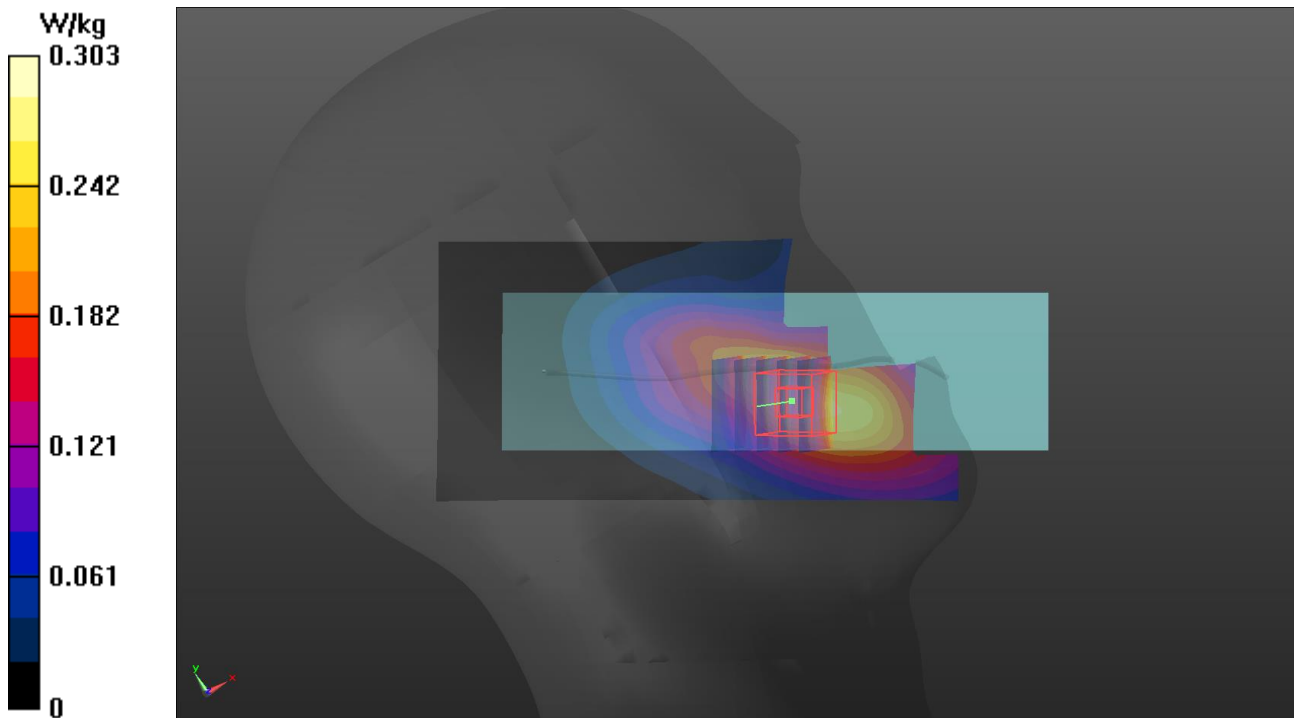
Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.167 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 17.6 mm

Ratio of SAR at M2 to SAR at M1 = 67.9%

Maximum value of SAR (measured) = 0.316 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

P06 LTE 12_QPSK10M_Left Cheek_Ch23130_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 711 MHz; Duty Cycle: 1:3.74

Medium: H06T09N1_0511 Medium parameters used: $f = 711$ MHz; $\sigma = 0.888$ S/m; $\epsilon_r = 41.678$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 711 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.177 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.73 V/m; Power Drift = -0.05 dB

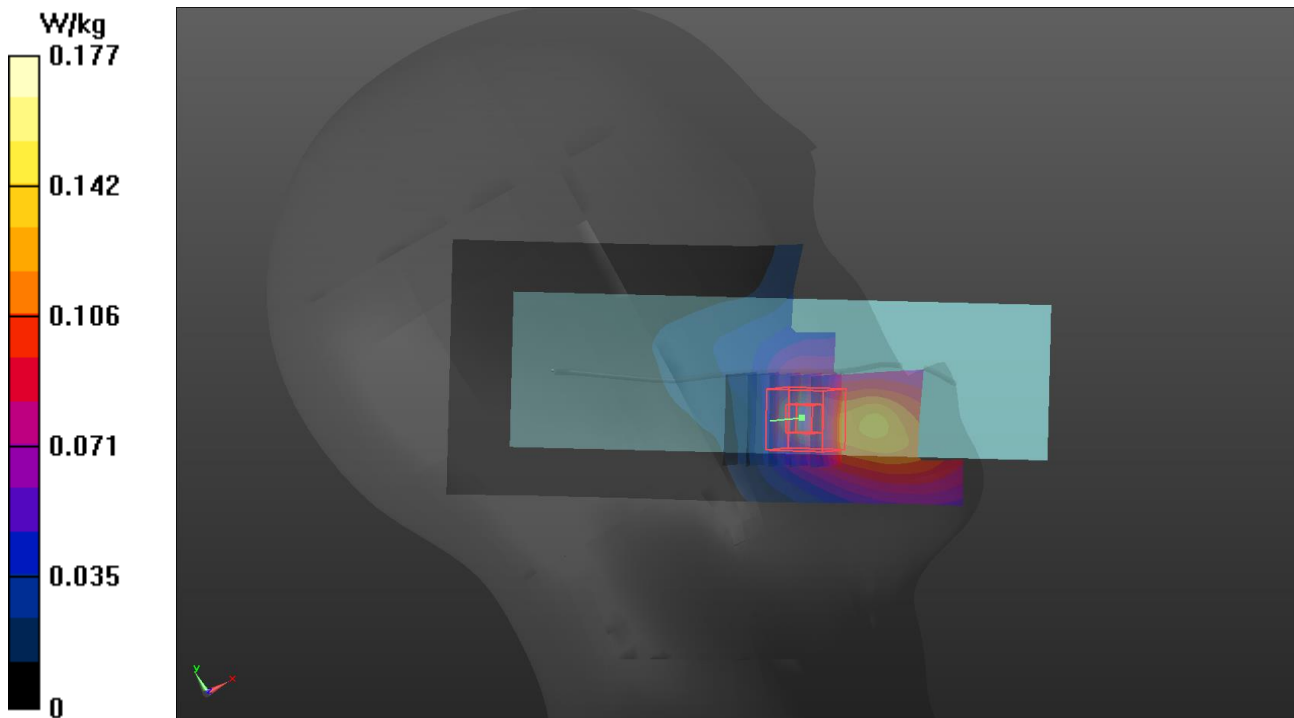
Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.070 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 10.9 mm

Ratio of SAR at M2 to SAR at M1 = 52.3%

Maximum value of SAR (measured) = 0.169 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/11

P07 LTE 13_QPSK10M_Left Cheek_Ch23230_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz; Duty Cycle: 1:3.74

Medium: H06T09N1_0511 Medium parameters used: $f = 782$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 41.466$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 782 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.80 V/m; Power Drift = -0.05 dB

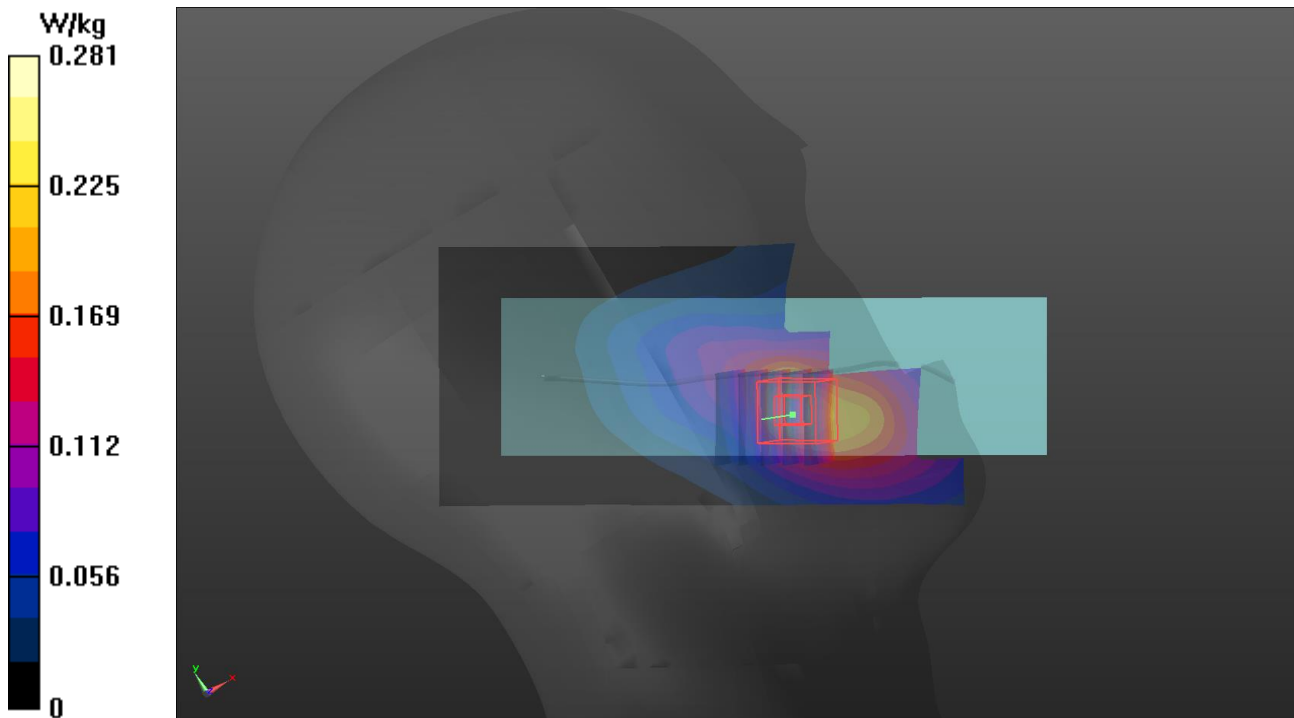
Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.134 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 13.2 mm

Ratio of SAR at M2 to SAR at M1 = 60.7%

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



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/20

P08 WLAN2.4G_802.11b_Left Cheek_Ch6_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:1.04

Medium: H19T27N1_0520 Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.786$ S/m; $\epsilon_r = 37.923$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2437 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x191x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0854 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.896 V/m; Power Drift = -0.07 dB

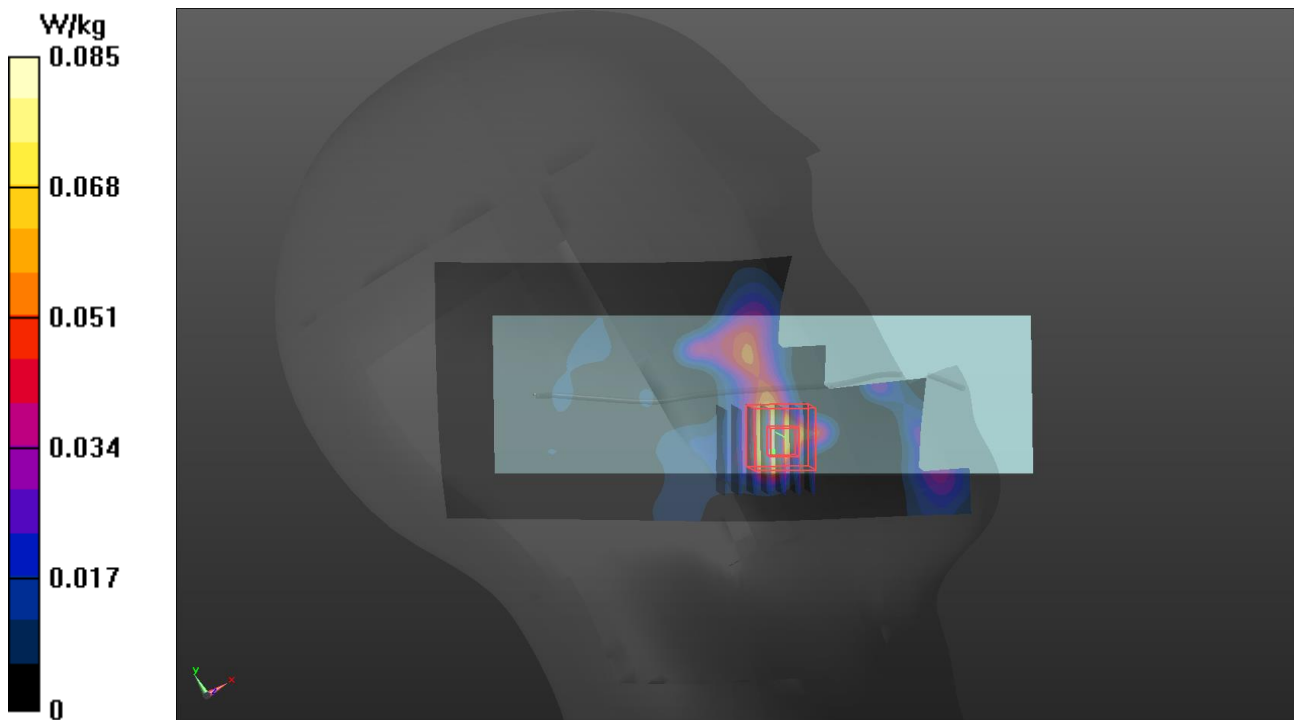
Peak SAR (extrapolated) = 0.0960 W/kg

SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.026 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)

Ratio of SAR at M2 to SAR at M1 = 58.8%

Maximum value of SAR (measured) = 0.0801 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/20

P09 WLAN5.3G_802.11a_Left Cheek_Ch56_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:1.05

Medium: H34T60N1_0520 Medium parameters used: $f = 5280$ MHz; $\sigma = 4.768$ S/m; $\epsilon_r = 36.933$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(5.1, 5.1, 5.1) @ 5280 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (91x231x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0646 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.053 V/m; Power Drift = -0.07 dB

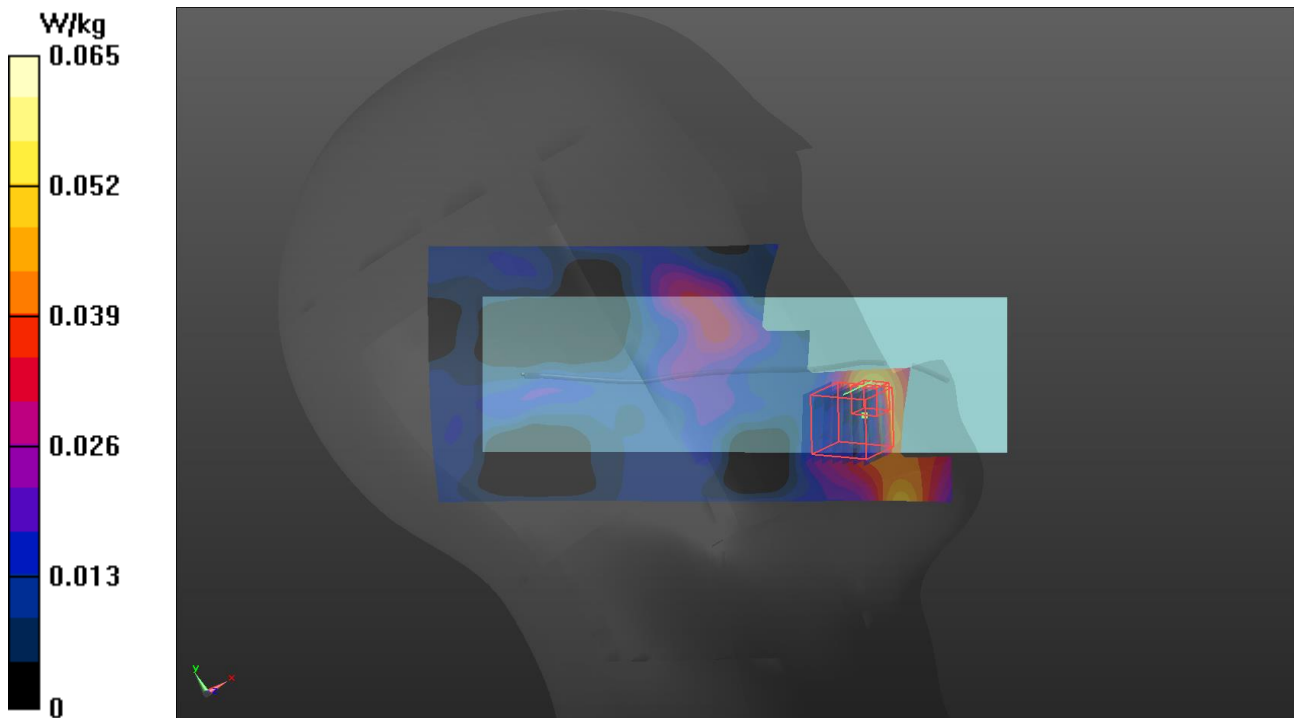
Peak SAR (extrapolated) = 0.211 W/kg

SAR(1 g) = 0.034 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 (> 12 mm)

Ratio of SAR at M2 to SAR at M1 = 49.2%

Maximum value of SAR (measured) = 0.0888 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/20

P10 WLAN5.6G_802.11a_Left Cheek_Ch116_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5580 MHz; Duty Cycle: 1:1.05

Medium: H34T60N1_0520 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.067$ S/m; $\epsilon_r = 36.515$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.8, 4.8, 4.8) @ 5580 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (91x231x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.245 V/m; Power Drift = -0.09 dB

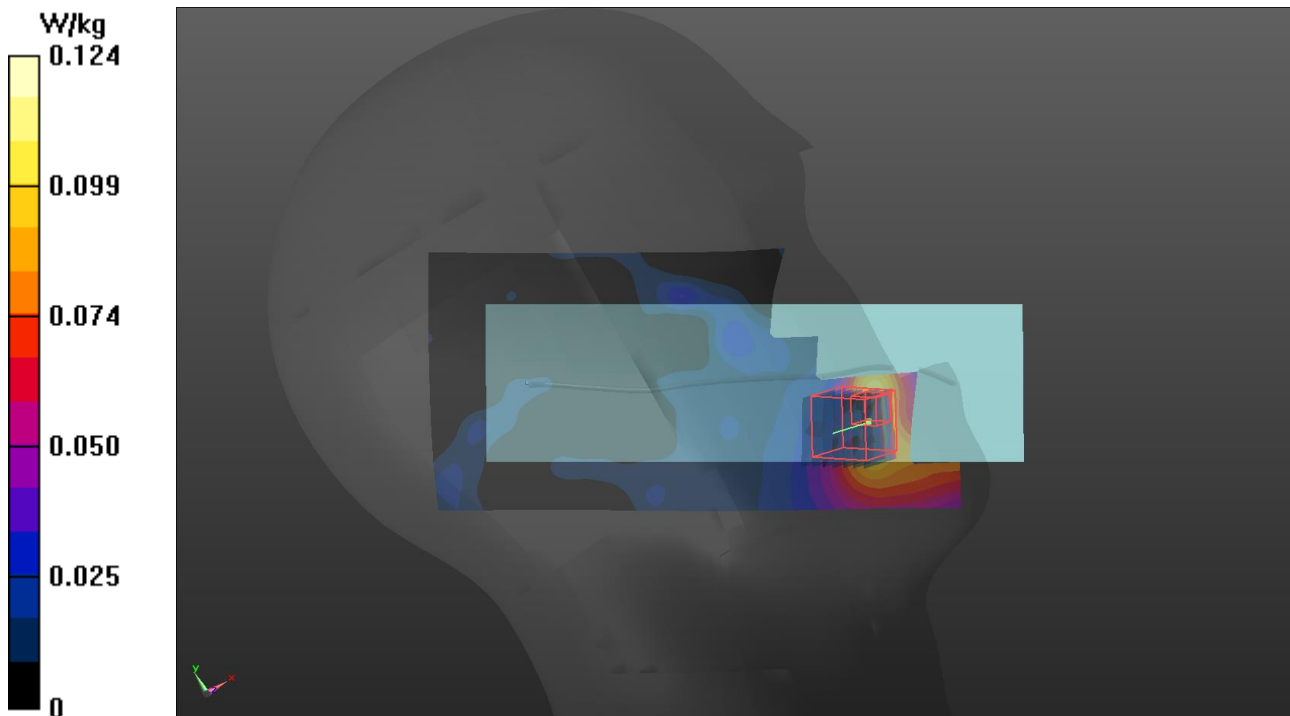
Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.021 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 59.4%

Maximum value of SAR (measured) = 0.139 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/20

P11 WLAN5.8G_802.11a_Left Cheek_Ch157_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5785 MHz; Duty Cycle: 1:1.05

Medium: H34T60N1_0520 Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 5.283$ S/m; $\epsilon_r = 36.242$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.85, 4.85, 4.85) @ 5785 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (91x231x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.141 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.425 V/m; Power Drift = 0.13 dB

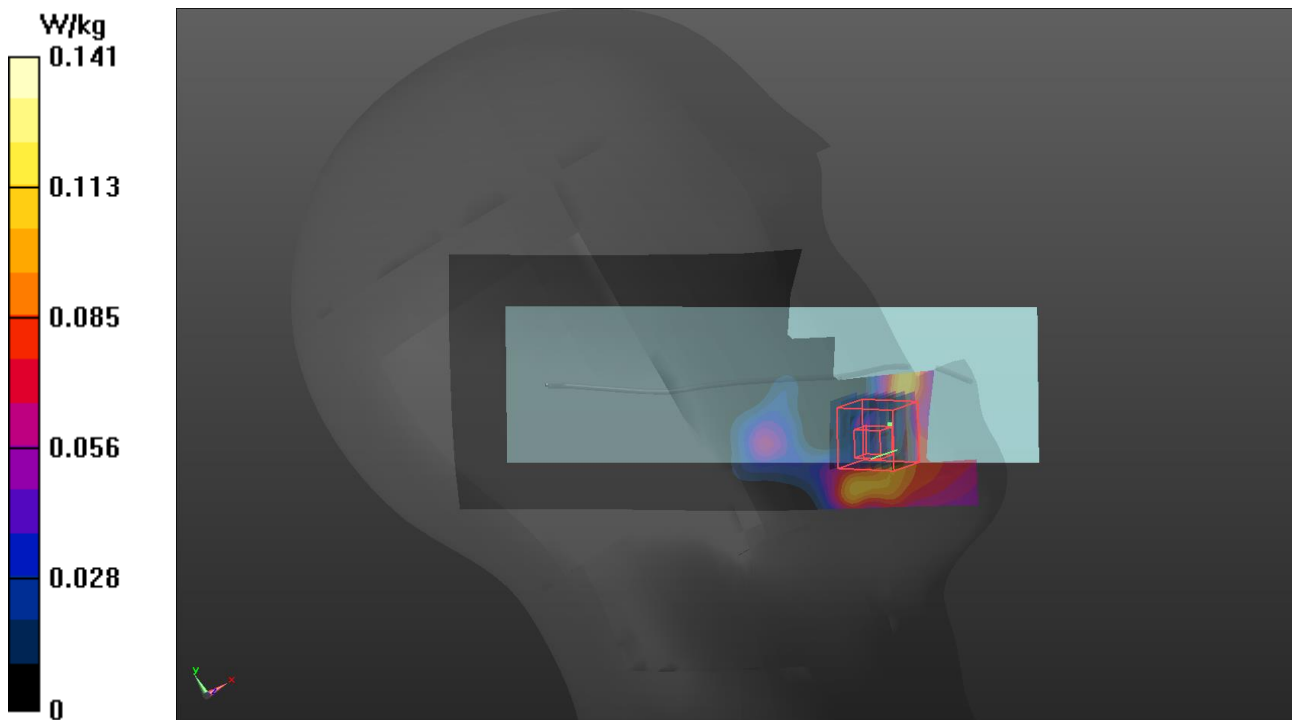
Peak SAR (extrapolated) = 0.434 W/kg

SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.00931 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 = 69.6%

Maximum value of SAR (measured) = 0.123 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/24

P12 BT_BDR_Left Cheek_Ch78_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2480 MHz; Duty Cycle: 1:1.31

Medium: H19T27N1_0524 Medium parameters used: $f = 2480$ MHz; $\sigma = 1.827$ S/m; $\epsilon_r = 38.011$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2480 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x191x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.00840 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.871 V/m; Power Drift = 0.05 dB

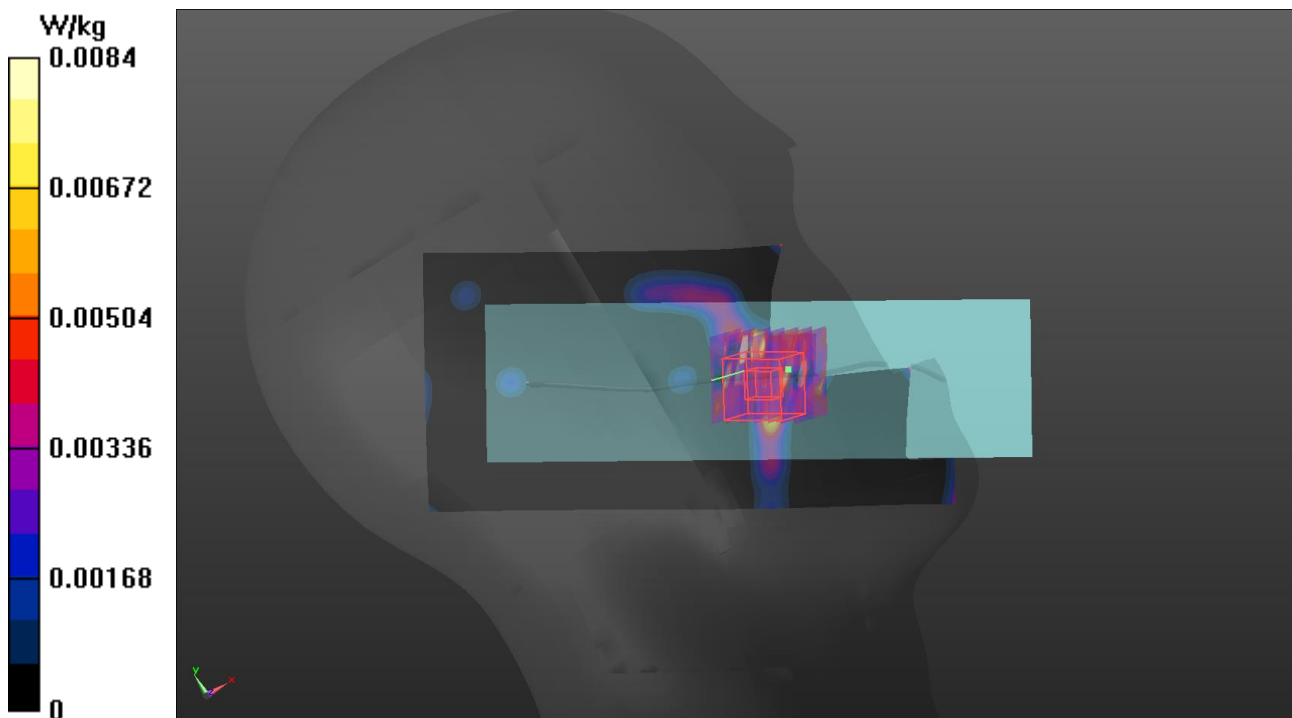
Peak SAR (extrapolated) = 0.0150 W/kg

SAR(1 g) = 0.00208 W/kg; SAR(10 g) = 0.000422 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)

Ratio of SAR at M2 to SAR at M1 = 55.9%

Maximum value of SAR (measured) = 0.0261 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

P13 WCDMA II_RMC12.2K_Rear Face_15mm_Ch9538_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1907.6 MHz; Duty Cycle: 1:1.95
 Medium: H16T20N1_0512 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.464$ S/m; $\epsilon_r = 38.642$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1907.6 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Maximum value of SAR (interpolated) = 1.21 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.44 V/m; Power Drift = 0.04 dB

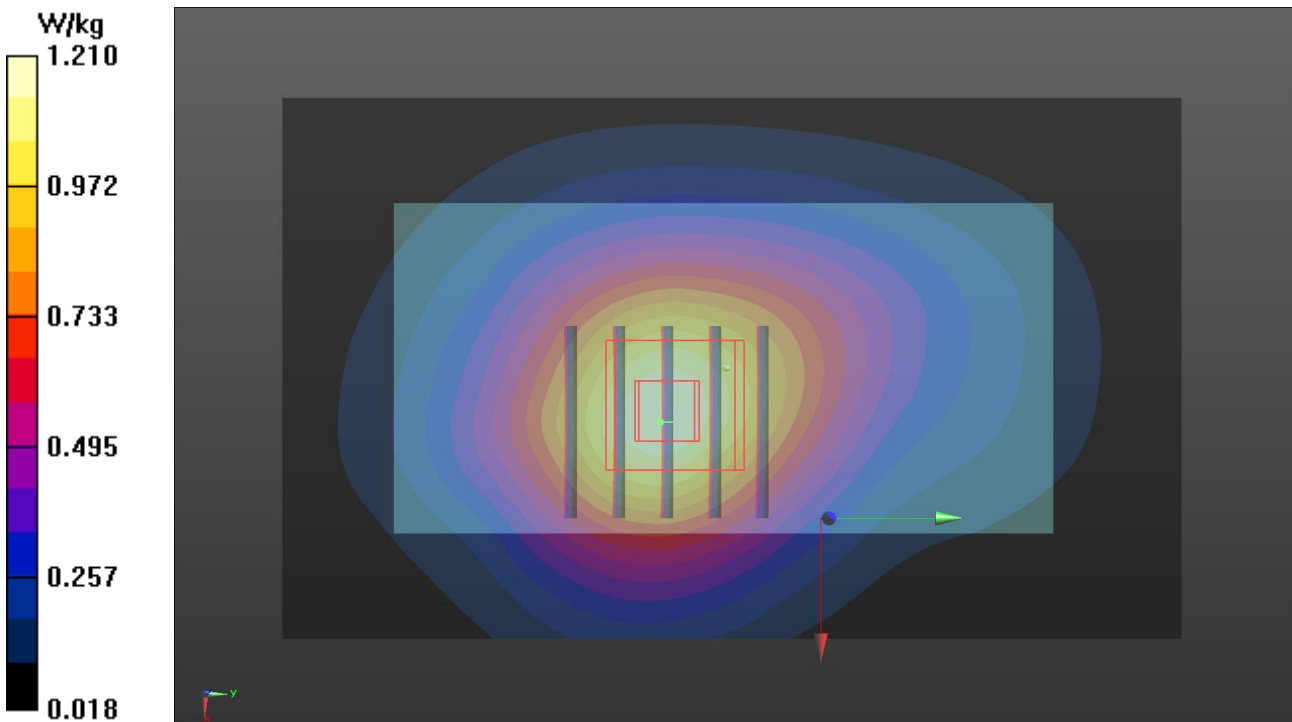
Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.859 W/kg; SAR(10 g) = 0.535 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 22.6 mm

Ratio of SAR at M2 to SAR at M1 = 60.6%

Maximum value of SAR (measured) = 1.20 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

P14 WCDMA V_RMC12.2K_Rear Face_15mm_Ch4132_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 826.4 MHz; Duty Cycle: 1:1.95
 Medium: H07T10N1_0512 Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 40.364$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 826.4 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.612 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.50 V/m; Power Drift = -0.02 dB

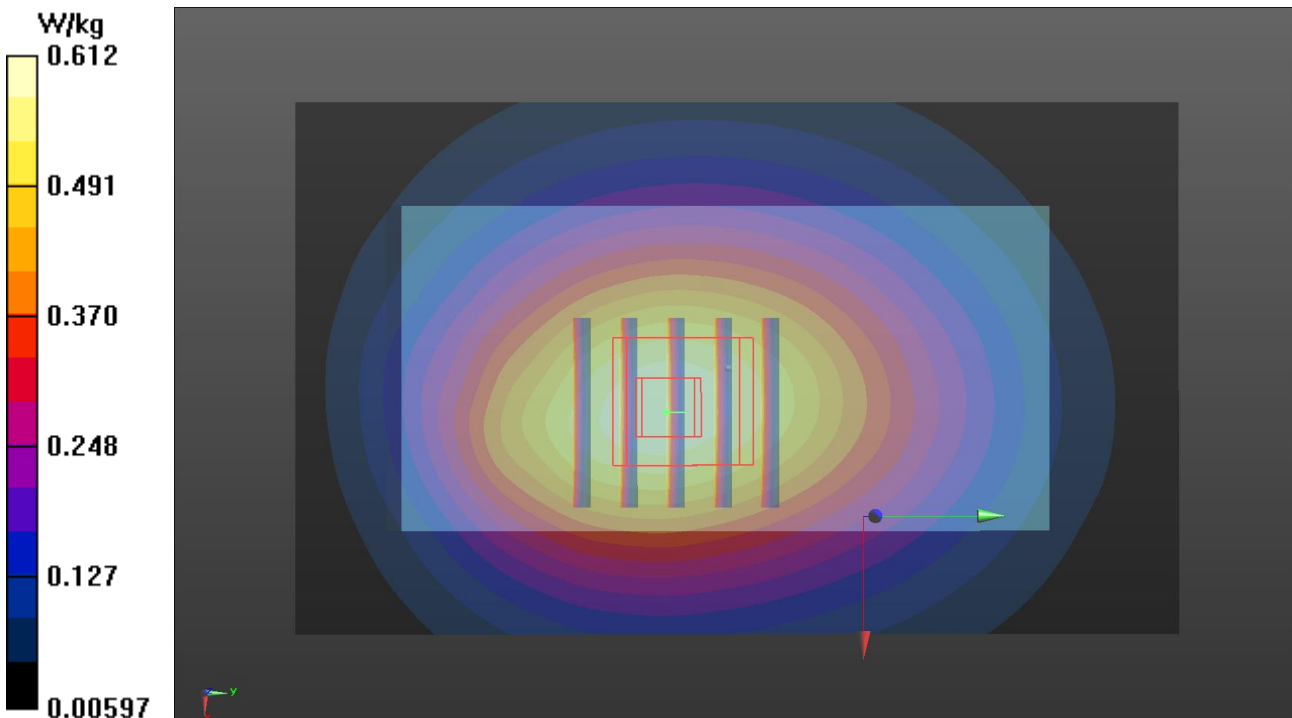
Peak SAR (extrapolated) = 0.679 W/kg

SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.339 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 70.7%

Maximum value of SAR (measured) = 0.609 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

P15 LTE 2_QPSK20M_Rear Face_15mm_Ch19100_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1900 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1_0512 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.46$ S/m; $\epsilon_r = 38.641$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1900 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.19 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.19 V/m; Power Drift = -0.03 dB

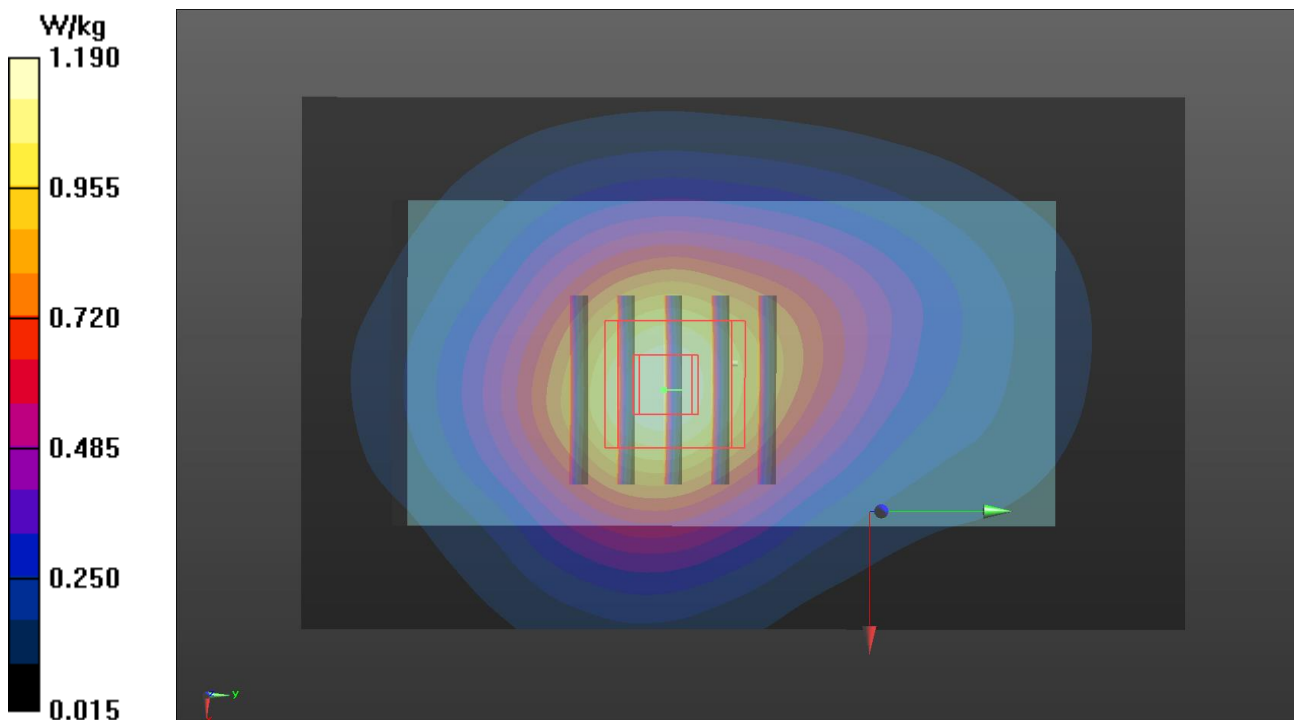
Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.536 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 21.5 mm

Ratio of SAR at M2 to SAR at M1 = 60.9%

Maximum value of SAR (measured) = 1.21 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

P16 LTE 4_QPSK20M_Rear Face_15mm_Ch20050_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1720 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1_0512 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.355$ S/m; $\epsilon_r = 38.96$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.72, 8.72, 8.72) @ 1720 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.823 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.51 V/m; Power Drift = -0.06 dB

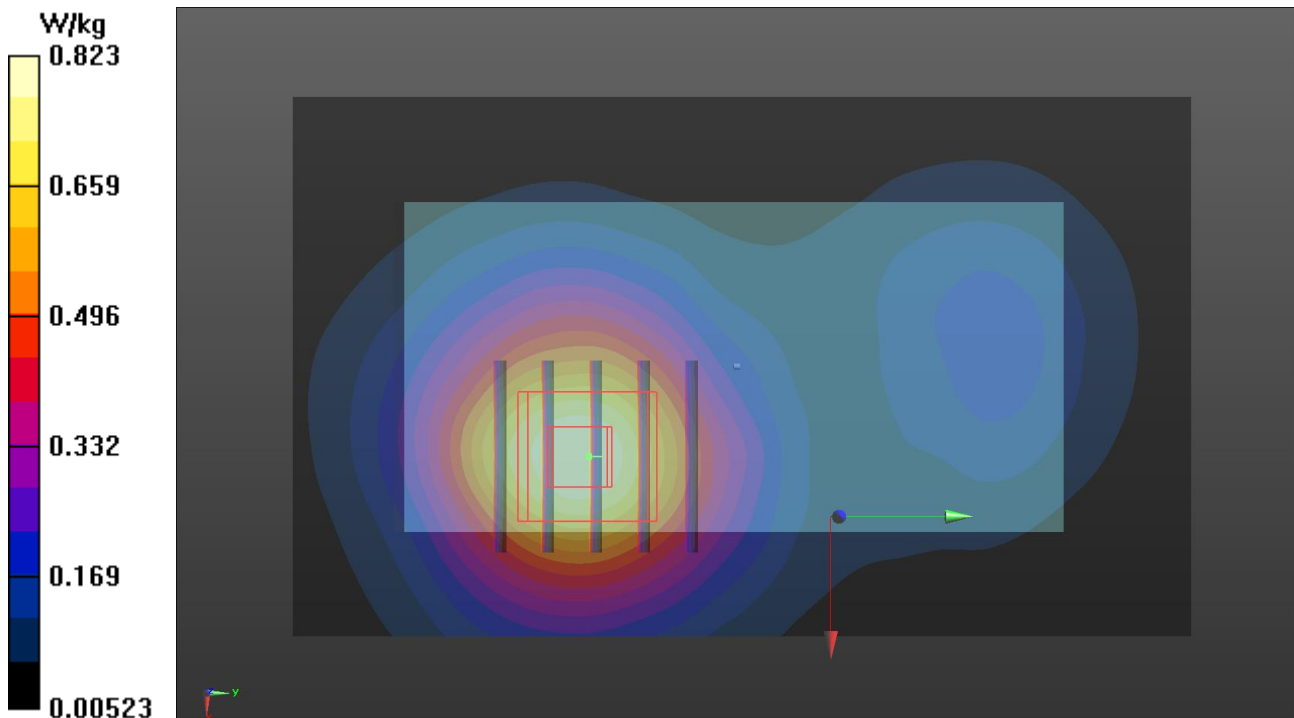
Peak SAR (extrapolated) = 0.963 W/kg

SAR(1 g) = 0.586 W/kg; SAR(10 g) = 0.362 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 21.5 mm

Ratio of SAR at M2 to SAR at M1 = 61.2%

Maximum value of SAR (measured) = 0.817 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

P17 LTE 5_QPSK10M_Rear Face_15mm_Ch20600_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 844 MHz; Duty Cycle: 1:3.74

Medium: H07T10N1_0512 Medium parameters used: $f = 844$ MHz; $\sigma = 0.937$ S/m; $\epsilon_r = 40.273$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 844 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.761 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.30 V/m; Power Drift = -0.05 dB

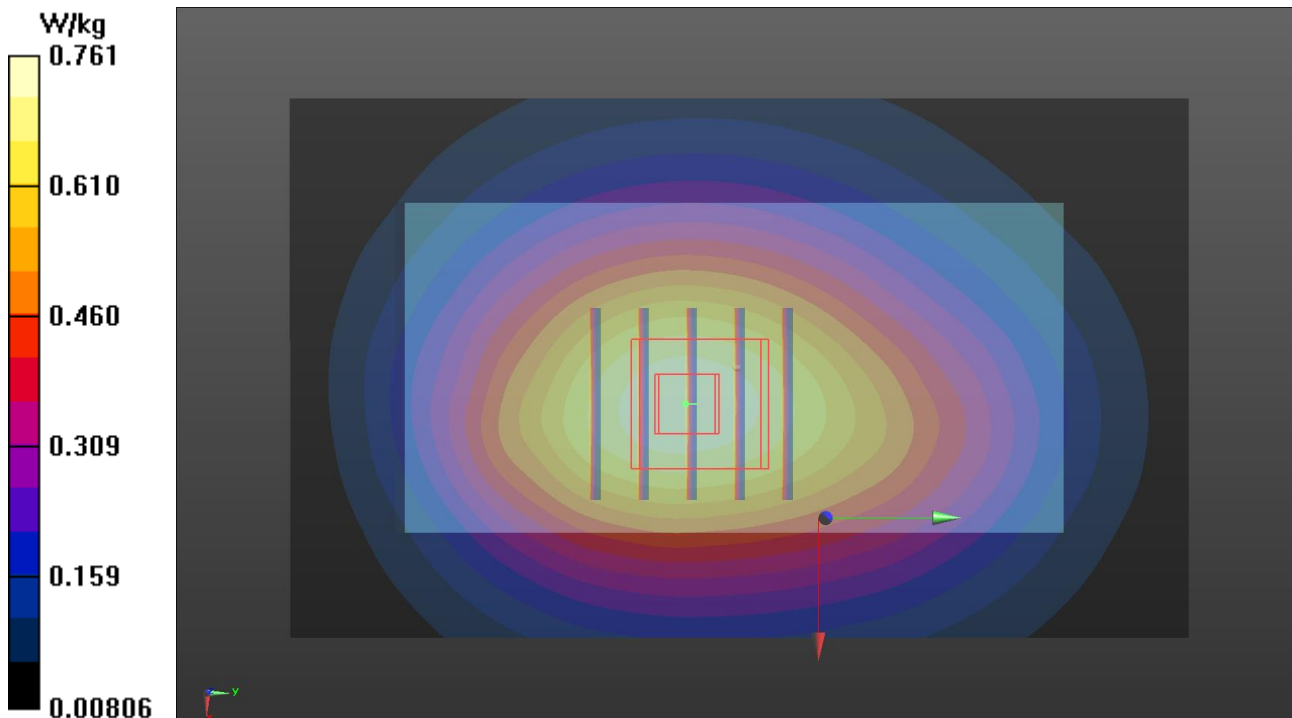
Peak SAR (extrapolated) = 0.853 W/kg

SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.427 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 70.7%

Maximum value of SAR (measured) = 0.766 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

P18 LTE 12_QPSK10M_Rear Face_15mm_Ch23130_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 711 MHz; Duty Cycle: 1:3.74

Medium: H06T09N1_0512 Medium parameters used: $f = 711$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 41.593$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 711 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.408 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.08 V/m; Power Drift = -0.19 dB

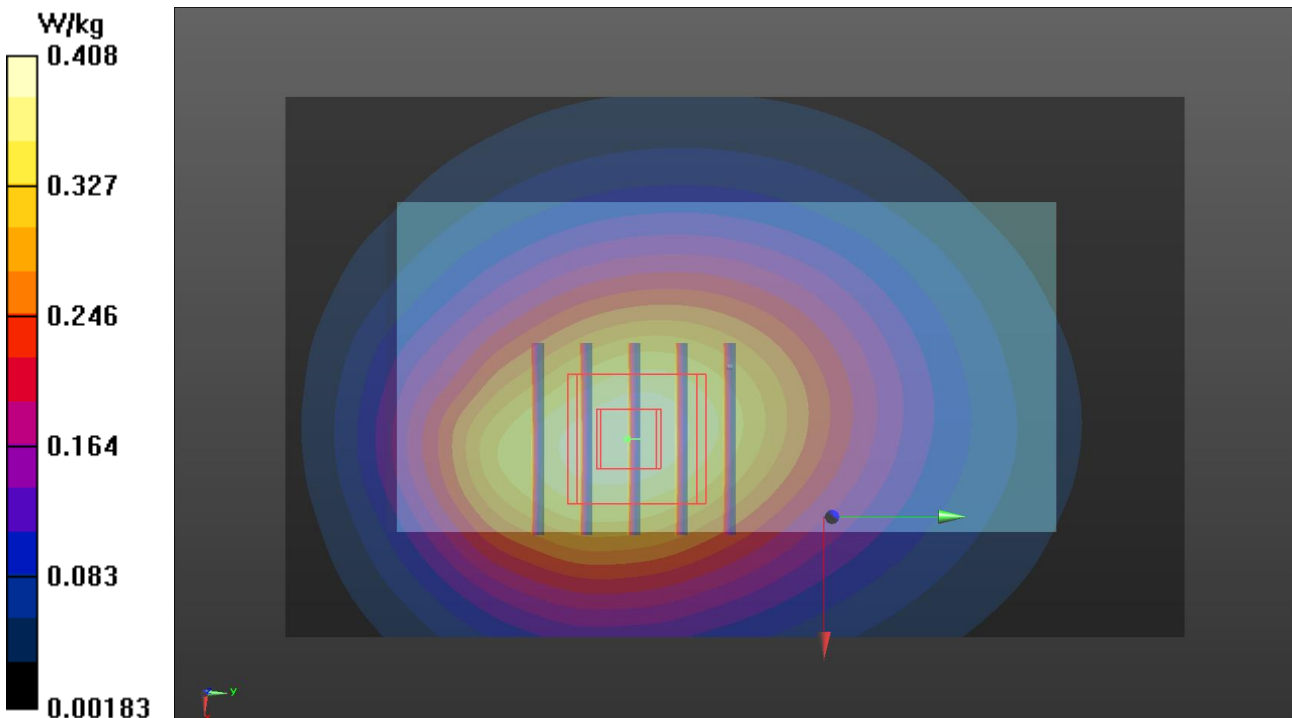
Peak SAR (extrapolated) = 0.458 W/kg

SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.226 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 70.5%

Maximum value of SAR (measured) = 0.411 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

P19 LTE 13_QPSK10M_Rear Face_15mm_Ch23230_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz; Duty Cycle: 1:3.74

Medium: H06T09N1_0512 Medium parameters used: $f = 782$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 41.383$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 782 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.433 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.31 V/m; Power Drift = 0.02 dB

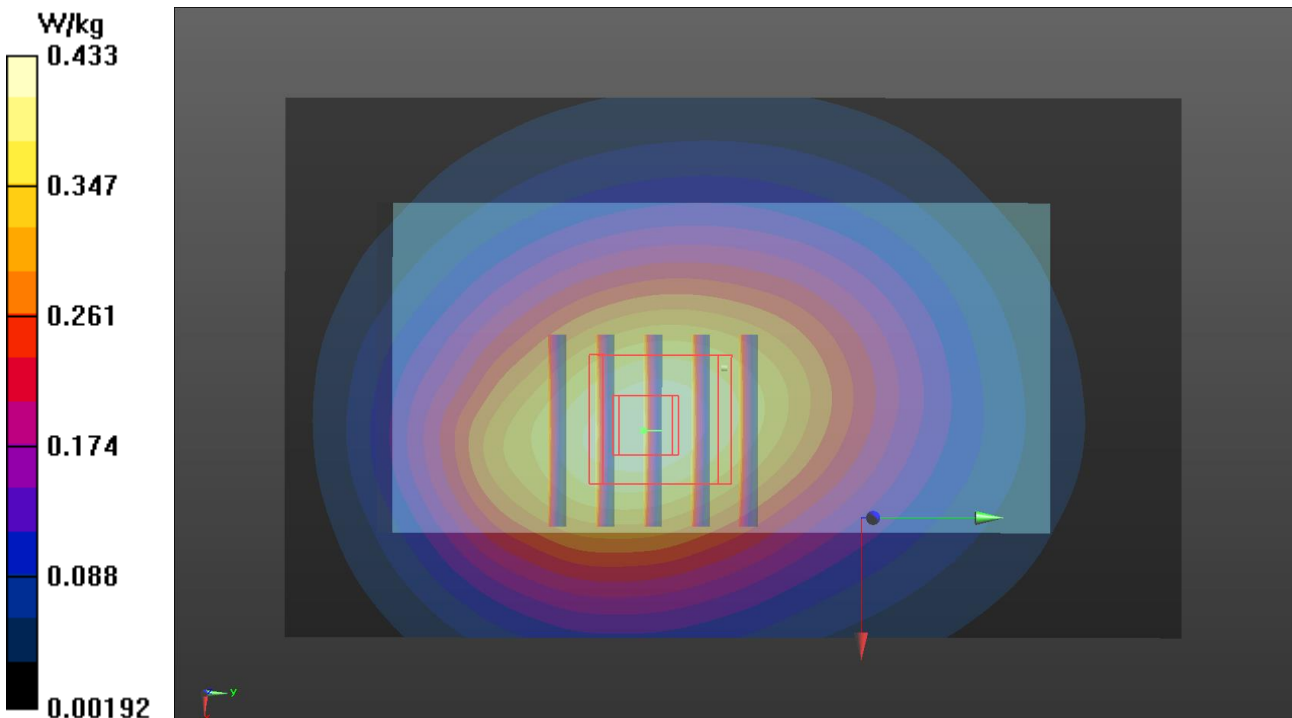
Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.242 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 71.3%

Maximum value of SAR (measured) = 0.435 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/23

P20 WLAN2.4G_802.11b_Rear Face_15mm_Ch6_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:1.04

Medium: H19T27N1_0523 Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.786$ S/m; $\epsilon_r = 37.953$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2437 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.291 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.74 V/m; Power Drift = 0.02 dB

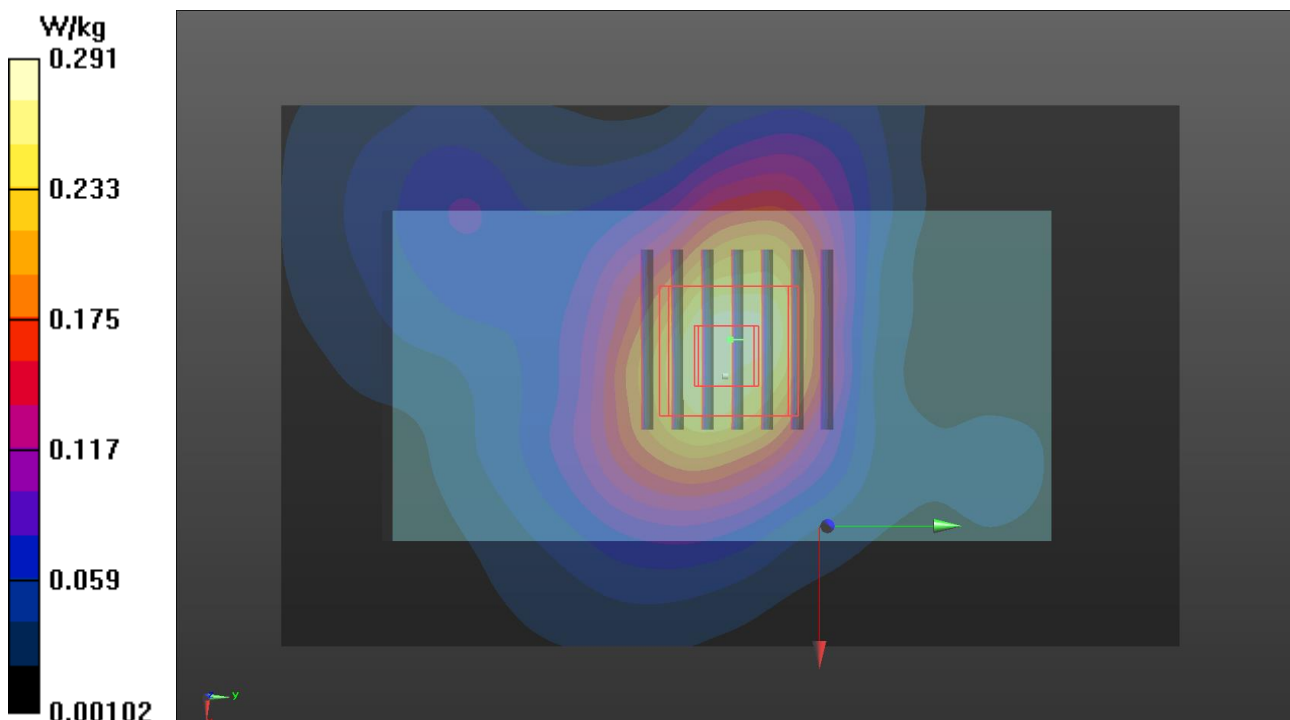
Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.183 W/kg; SAR(10 g) = 0.106 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 18.4 mm

Ratio of SAR at M2 to SAR at M1 = 53.7%

Maximum value of SAR (measured) = 0.276 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/23

P21 WLAN5.3G_802.11a_Rear Face_15mm_Ch56_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5280 MHz; Duty Cycle: 1:1.05

Medium: H34T60N1_0523 Medium parameters used: $f = 5280$ MHz; $\sigma = 4.784$ S/m; $\epsilon_r = 37.103$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(5.1, 5.1, 5.1) @ 5280 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.182 V/m; Power Drift = 0.14 dB

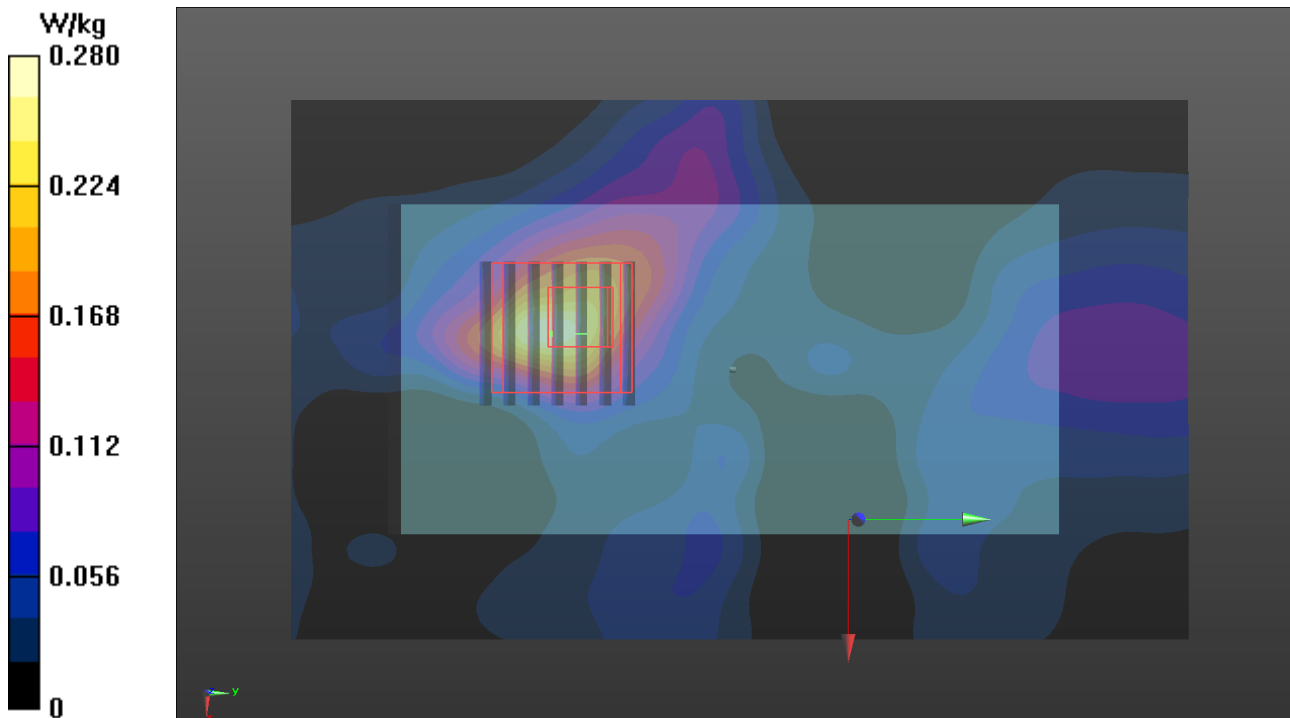
Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.041 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 = 66%

Maximum value of SAR (measured) = 0.229 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/23

P22 WLAN5.6G_802.11a_Rear Face_15mm_Ch132_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5660 MHz; Duty Cycle: 1:1.05

Medium: H34T60N1_0523 Medium parameters used: $f = 5660$ MHz; $\sigma = 5.213$ S/m; $\epsilon_r = 36.48$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.8, 4.8, 4.8) @ 5660 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.417 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.169 V/m; Power Drift = 0.05 dB

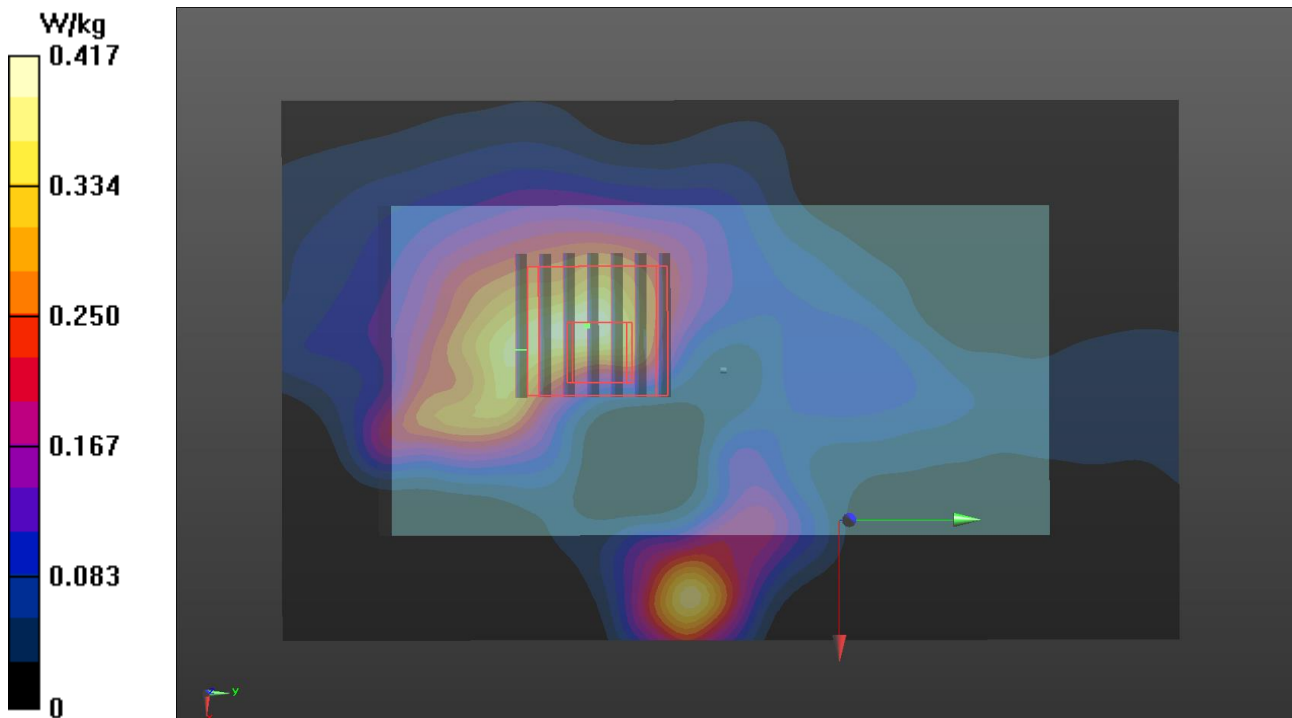
Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.040 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 4.2 mm

Ratio of SAR at M2 to SAR at M1 = 65.7%

Maximum value of SAR (measured) = 0.311 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/23

P23 WLAN5.8G_802.11a_Rear Face_15mm_Ch153_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5765 MHz; Duty Cycle: 1:1.05

Medium: H34T60N1_0523 Medium parameters used: $f = 5765$ MHz; $\sigma = 5.319$ S/m; $\epsilon_r = 36.316$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(4.85, 4.85, 4.85) @ 5765 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (91x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.276 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.572 V/m; Power Drift = -0.07 dB

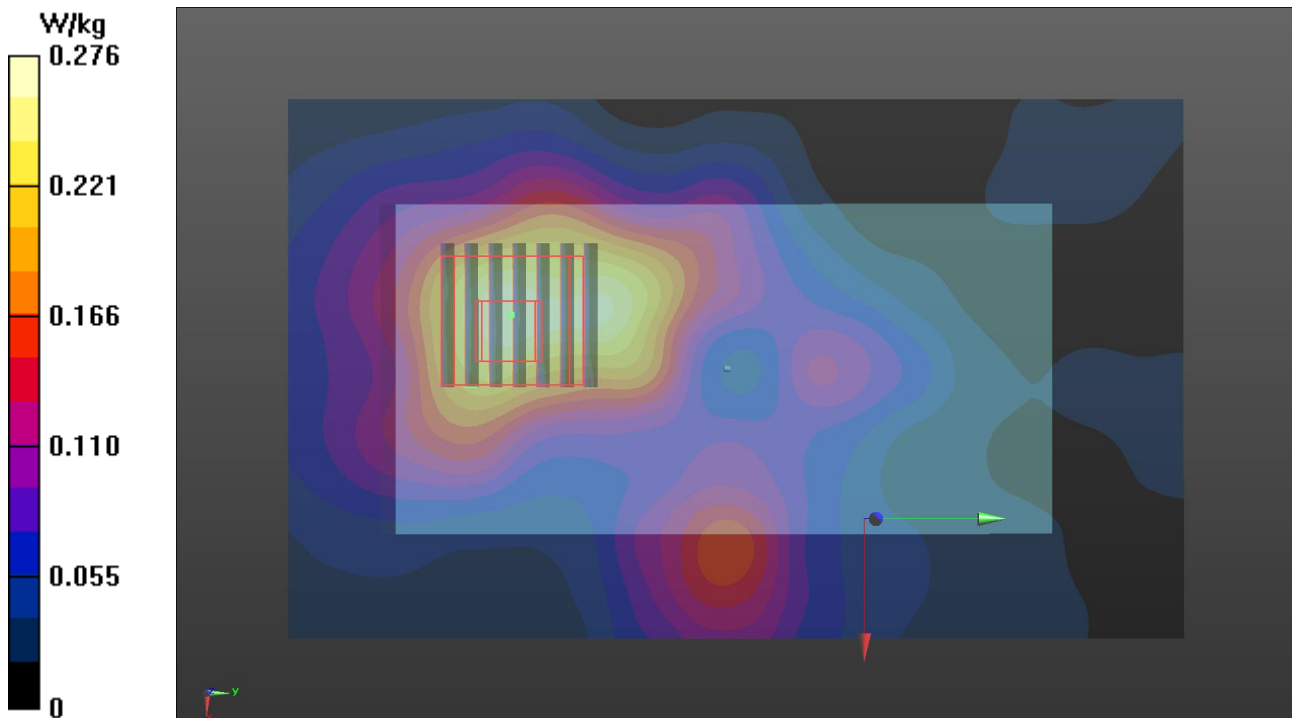
Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.041 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 10.5 mm

Ratio of SAR at M2 to SAR at M1 = 51.2%

Maximum value of SAR (measured) = 0.269 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/24

P24 BT_BDR_Rear Face_15mm_Ch78_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2480 MHz; Duty Cycle: 1:1.31

Medium: H19T27N1_0524 Medium parameters used: $f = 2480$ MHz; $\sigma = 1.827$ S/m; $\epsilon_r = 38.011$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2480 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0302 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.138 V/m; Power Drift = 0.15 dB

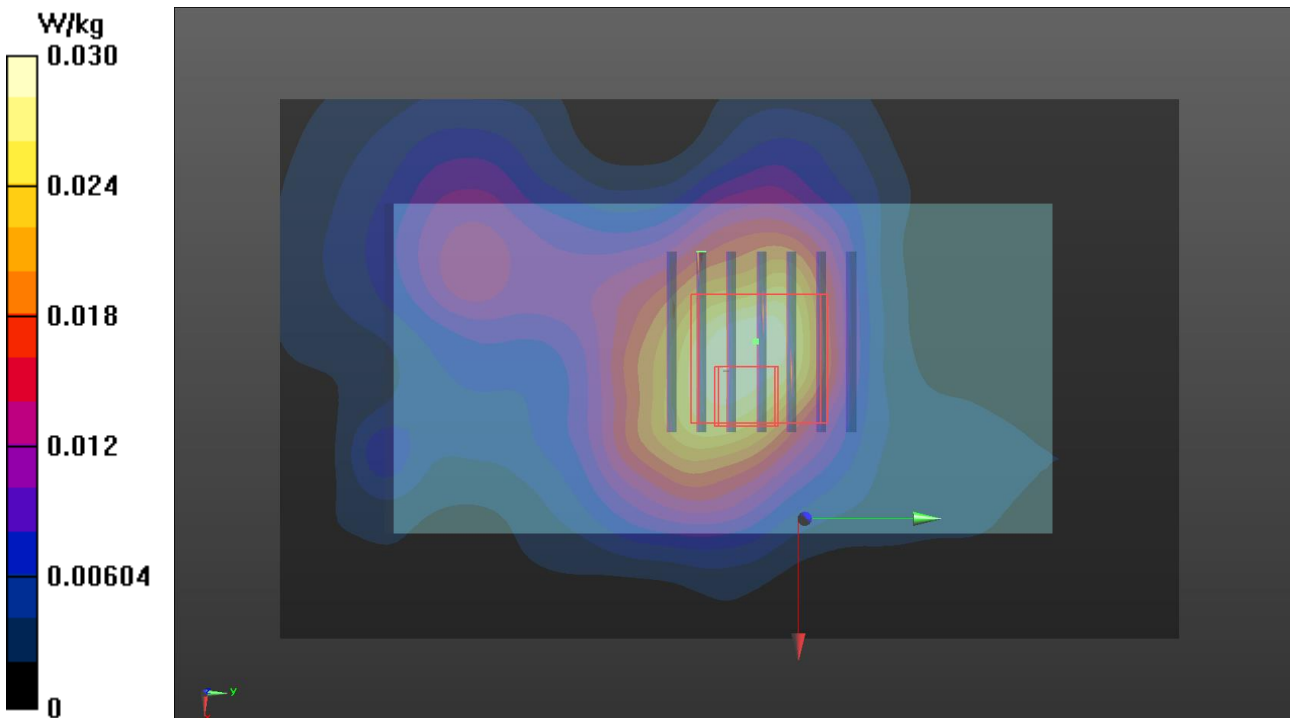
Peak SAR (extrapolated) = 0.0330 W/kg

SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00425 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)

Ratio of SAR at M2 to SAR at M1 = 35%

Maximum value of SAR (measured) = 0.0334 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/13

P25 WCDMA II_RMC12.2K_Rear Face_10mm_Ch9538_Camera_w_Power Reduction_w

DUT: BFJZ-WTW-P22040598

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1907.6 MHz; Duty Cycle: 1:1.95
 Medium: H16T20N1_0513 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.467$ S/m; $\epsilon_r = 38.844$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1907.6 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Maximum value of SAR (interpolated) = 1.44 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.40 V/m; Power Drift = 0.12 dB

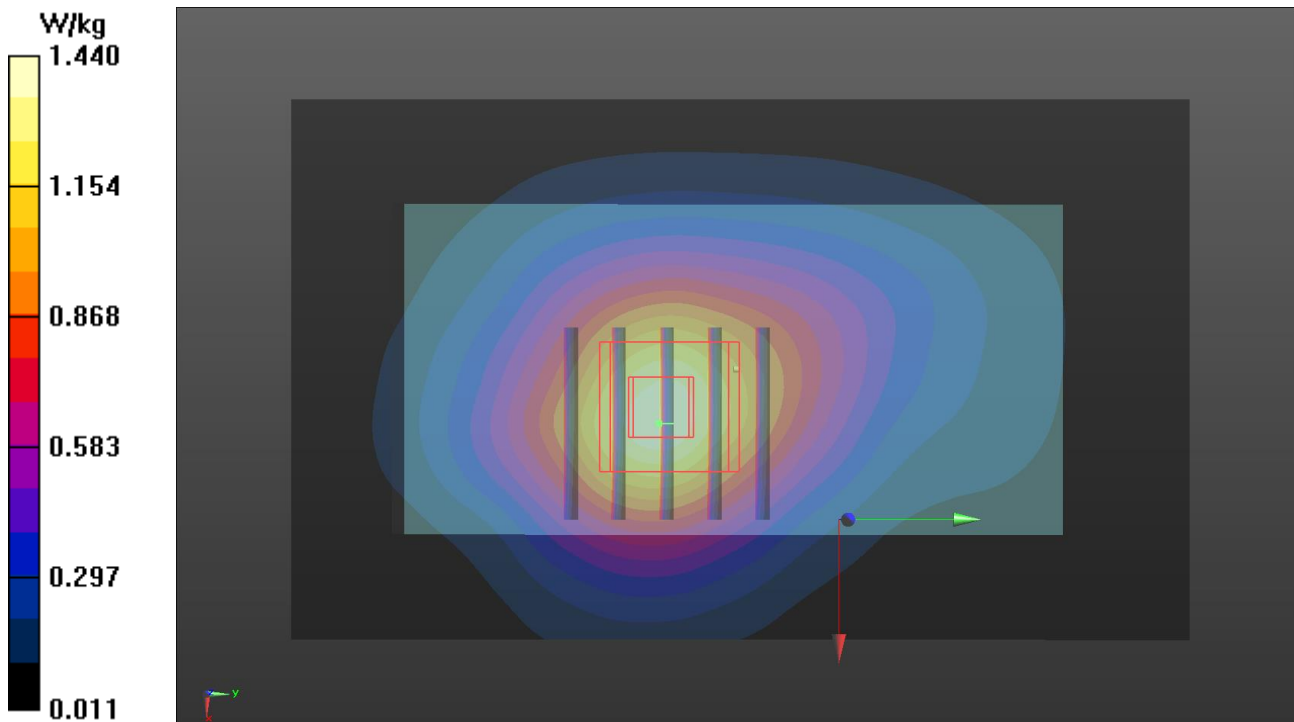
Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 1 W/kg; SAR(10 g) = 0.609 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 19.3 mm

Ratio of SAR at M2 to SAR at M1 = 60.2%

Maximum value of SAR (measured) = 1.40 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

P26 WCDMA V_RMC12.2K_Rear Face_10mm_Ch4132_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 826.4 MHz; Duty Cycle: 1:1.95
 Medium: H07T10N1_0512 Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 40.364$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 826.4 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.840 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.40 V/m; Power Drift = 0.05 dB

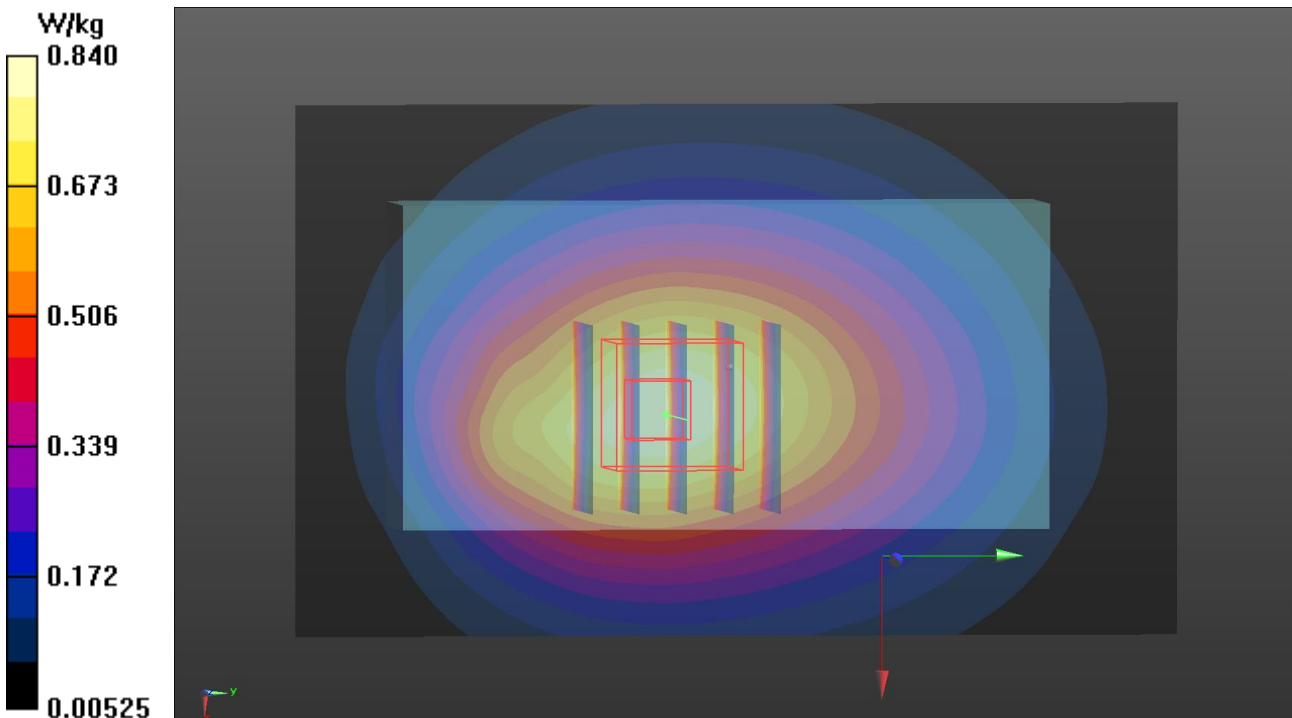
Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.694 W/kg; SAR(10 g) = 0.483 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 69.5%

Maximum value of SAR (measured) = 0.891 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/13

P27 LTE 2_QPSK20M_Rear Face_10mm_Ch19100_1RB_OS0_Camera_w_Power Reduction_w

DUT: BFJZ-WTW-P22040598

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1900 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1_0513 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.463$ S/m; $\epsilon_r = 38.847$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1900 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.71 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.53 V/m; Power Drift = -0.01 dB

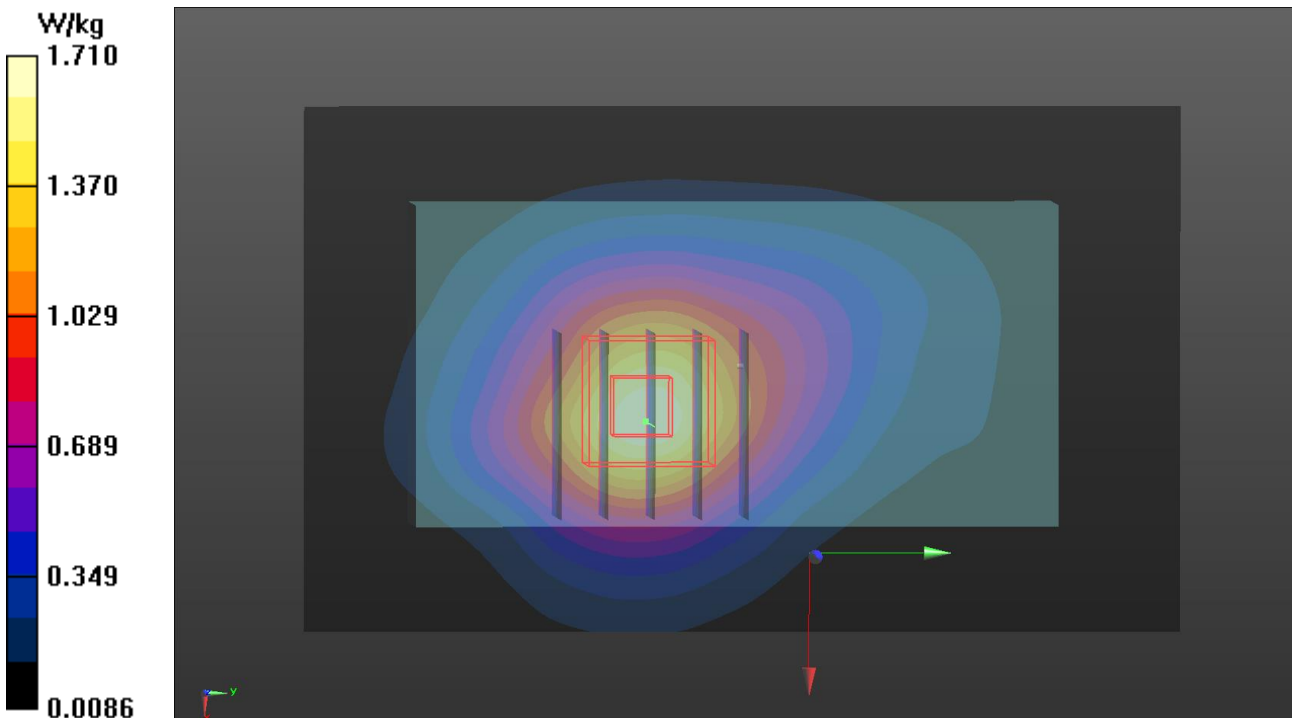
Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.918 W/kg; SAR(10 g) = 0.558 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 19.3 mm

Ratio of SAR at M2 to SAR at M1 = 60.4%

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



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/13

P28 LTE 4_QPSK20M_Rear Face_10mm_Ch20050_1RB_OS0_Camera_w_Power Reduction_w

DUT: BFJZ-WTW-P22040598

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1720 MHz; Duty Cycle: 1:3.74

Medium: H16T20N1_0513 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.357$ S/m; $\epsilon_r = 39.175$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.72, 8.72, 8.72) @ 1720 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.12 V/m; Power Drift = -0.08 dB

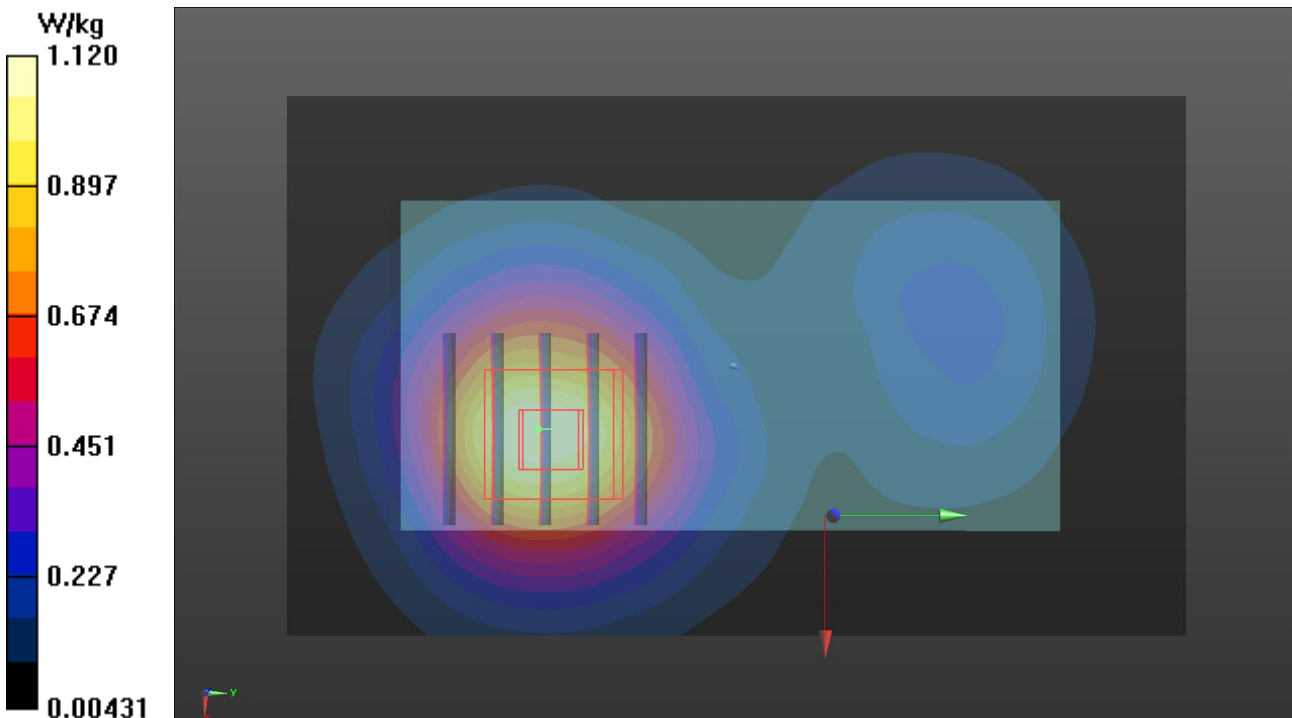
Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.777 W/kg; SAR(10 g) = 0.473 W/kg (SAR corrected for target medium)

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

Ratio of SAR at M2 to SAR at M1 = 61.5%

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



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/12

P29 LTE 5_QPSK10M_Rear Face_10mm_Ch20525_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 836.5 MHz; Duty Cycle: 1:3.74

Medium: H07T10N1_0512 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.935$ S/m; $\epsilon_r = 40.312$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 836.5 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.01 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.65 V/m; Power Drift = 0.03 dB

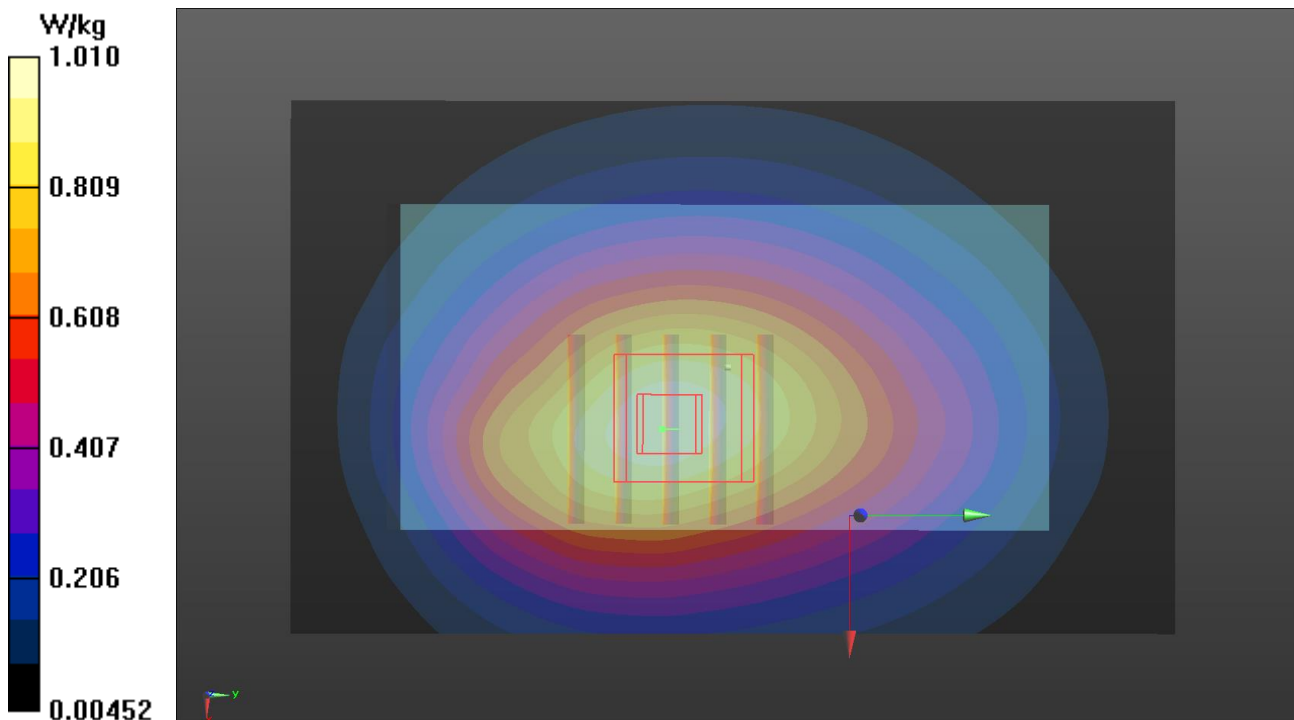
Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.547 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

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

Maximum value of SAR (measured) = 0.999 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/14

P30 LTE 12_QPSK10M_Rear Face_10mm_Ch23095_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 707.5 MHz; Duty Cycle: 1:3.74

Medium: H06T09N1_0514 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.886$ S/m; $\epsilon_r = 41.676$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 707.5 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.589 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.11 V/m; Power Drift = -0.01 dB

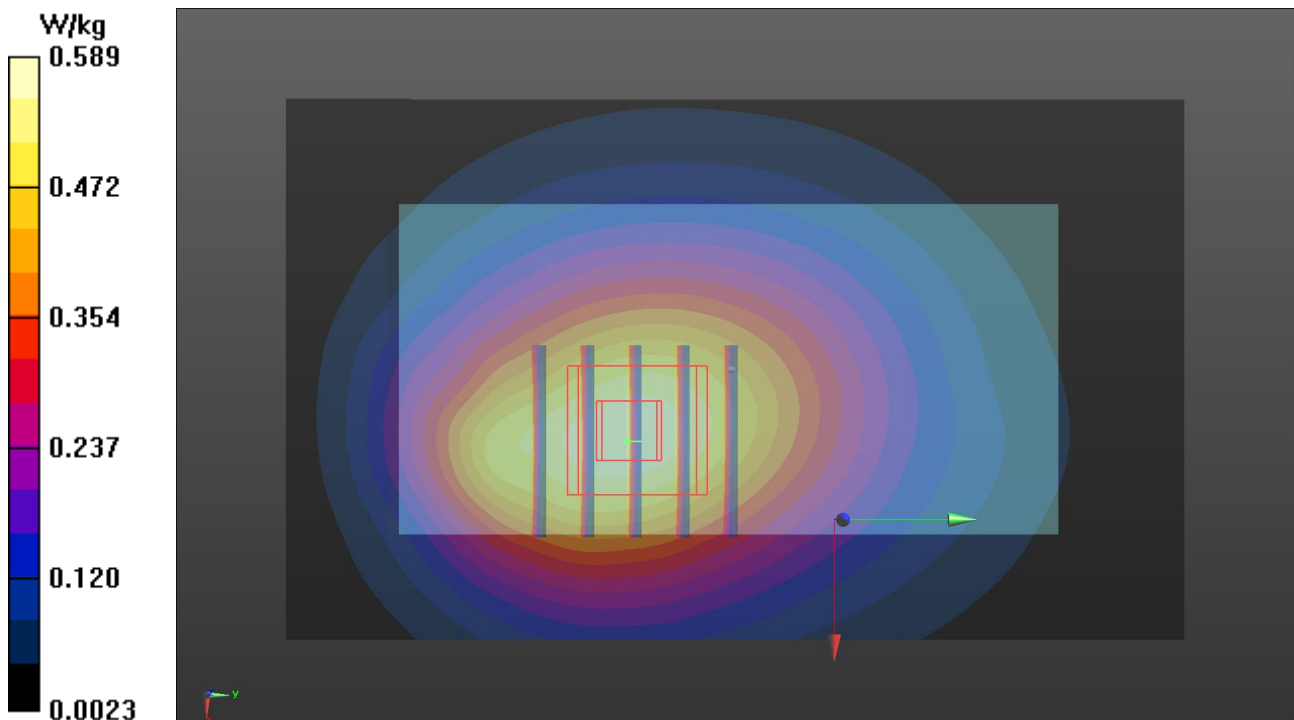
Peak SAR (extrapolated) = 0.660 W/kg

SAR(1 g) = 0.458 W/kg; SAR(10 g) = 0.316 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 69.3%

Maximum value of SAR (measured) = 0.590 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/14

P31 LTE 13_QPSK10M_Rear Face_10mm_Ch23230_1RB_OS0_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz; Duty Cycle: 1:3.74

Medium: H06T09N1_0514 Medium parameters used: $f = 782$ MHz; $\sigma = 0.913$ S/m; $\epsilon_r = 41.467$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 782 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.620 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.21 V/m; Power Drift = 0.03 dB

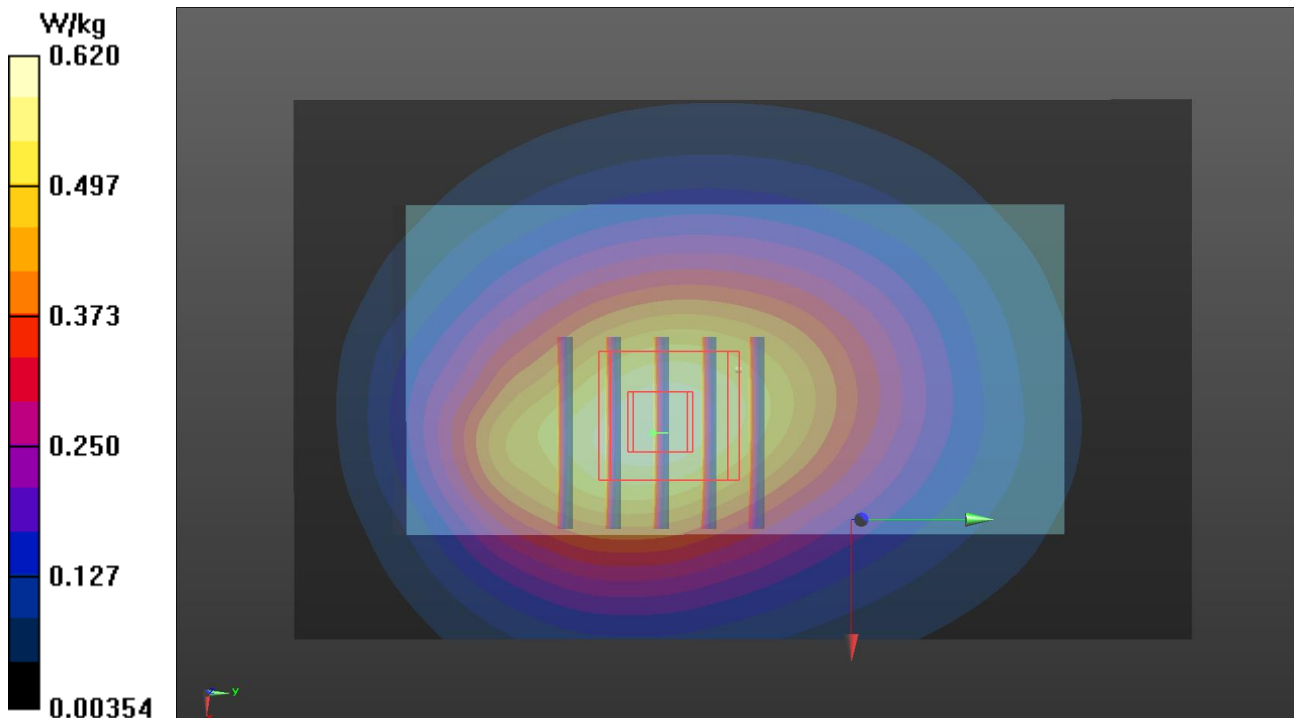
Peak SAR (extrapolated) = 0.683 W/kg

SAR(1 g) = 0.481 W/kg; SAR(10 g) = 0.334 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 70.4%

Maximum value of SAR (measured) = 0.613 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2022/05/23

P32 WLAN2.4G_802.11b_Rear Face_10mm_Ch6_Camera_w_Power Reduction_w_o

DUT: BFJZ-WTW-P22040598

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:1.04

Medium: H19T27N1_0523 Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.786$ S/m; $\epsilon_r = 37.953$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2437 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: SAM Phantom_1987; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.498 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.14 V/m; Power Drift = 0.03 dB

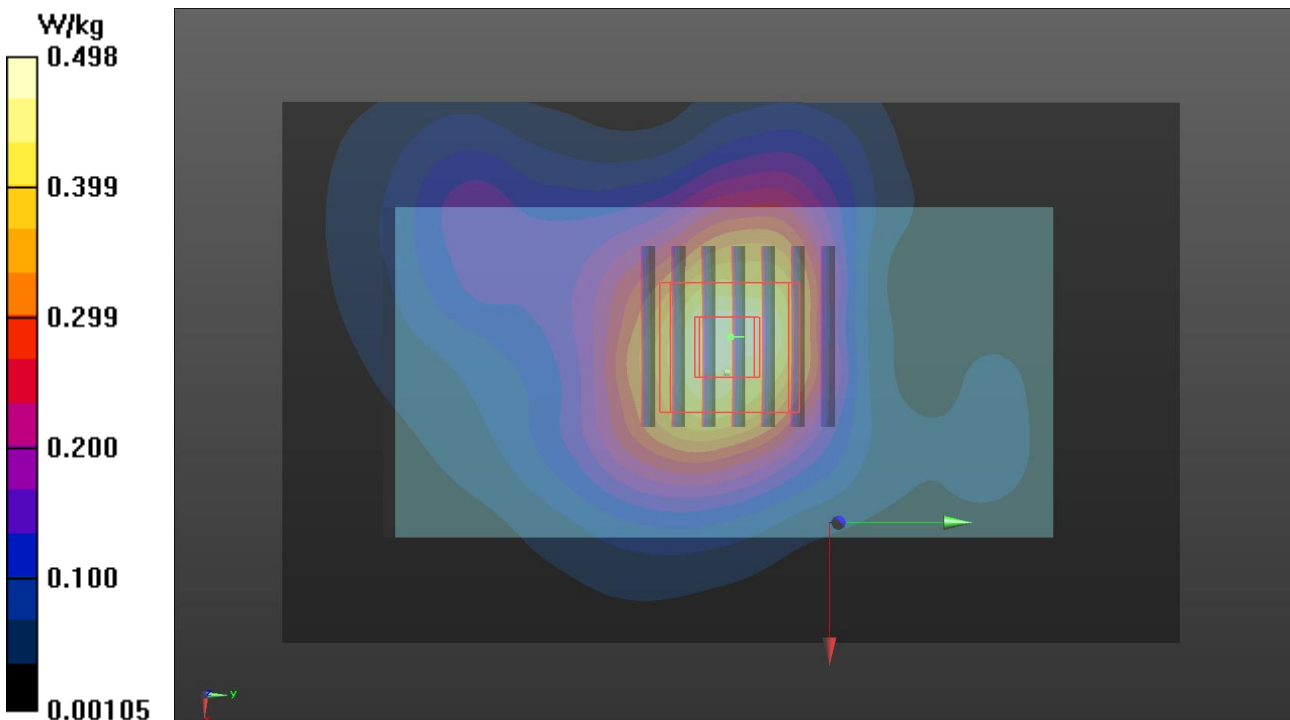
Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.179 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 18.4 mm

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

Maximum value of SAR (measured) = 0.463 W/kg



Annex C. Tissue & System Verification

The measuring results for tissue simulating liquid and system check are shown as below.

Note:

1. For Section 4.3, the dielectric properties of the tissue simulating liquid have been measured within 24 hours before the SAR testing and within $\pm 10\%$ of the target values. Liquid temperature during the SAR testing has kept within $\pm 2\text{ }^{\circ}\text{C}$.
2. For Section 4.4, The SAR measurement system was validated according to procedures in KDB 865664 D01. The validation status in tabulated summary is as below.
3. For Section 4.5, Comparing to the reference SAR value provided by SPEAG in dipole calibration certificate, the deviation of system check results is within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots please refer to Annex A of this report.

Tissue Verification									Validation for CW			Validation for Modulation			System Validation					Note				
Plot No.	Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N	Output Power (dB)
S01	1900	23.4	1.463	38.786	1.4	40	4.50	-3.04	Pass	Pass	Pass	N/A	N/A	N/A	May 11, 2022	1900	40.40	1.96	39.11	-3.20	5d036	3971	1590	17
S02	835	23.4	0.935	40.691	0.9	41.5	3.89	-1.95	Pass	Pass	Pass	N/A	N/A	N/A	May 11, 2022	835	9.58	0.479	9.56	-0.24	4d121	3971	1590	17
S03	1900	23.4	1.463	38.786	1.4	40	4.50	-3.04	Pass	Pass	Pass	N/A	N/A	N/A	May 11, 2022	1900	40.40	1.96	39.11	-3.20	5d036	3971	1590	17
S04	1750	23.4	1.372	39.052	1.37	40.1	0.15	-2.61	Pass	Pass	Pass	N/A	N/A	N/A	May 11, 2022	1750	35.80	1.74	34.72	-3.02	1055	3971	1590	17
S05	835	23.4	0.935	40.691	0.9	41.5	3.89	-1.95	Pass	Pass	Pass	N/A	N/A	N/A	May 11, 2022	835	9.58	0.479	9.56	-0.24	4d121	3971	1590	17
S06	750	23.4	0.902	41.574	0.9	42	0.22	-1.01	Pass	Pass	Pass	N/A	N/A	N/A	May 11, 2022	750	8.56	0.403	8.04	-6.06	1013	3971	1590	17
S07	750	23.4	0.902	41.574	0.9	42	0.22	-1.01	Pass	Pass	Pass	N/A	N/A	N/A	May 11, 2022	750	8.56	0.403	8.04	-6.06	1013	3971	1590	17
S08	2450	23.2	1.795	37.903	1.8	39.2	-0.28	-3.31	Pass	Pass	Pass	OFDM	N/A	Pass	May 20, 2022	2450	52.60	2.4	47.89	-8.96	737	3971	1590	17
S09	5250	23.2	4.735	36.962	4.71	35.9	0.53	2.96	Pass	Pass	Pass	OFDM	N/A	Pass	May 20, 2022	5250	80.60	3.93	78.41	-2.71	1019	3971	1590	17
S10	5600	23.2	5.089	36.492	5.07	35.5	0.37	2.79	Pass	Pass	Pass	OFDM	N/A	Pass	May 20, 2022	5600	82.40	4.06	81.01	-1.69	1019	3971	1590	17
S11	5750	23.2	5.249	36.271	5.22	35.4	0.56	2.46	Pass	Pass	Pass	OFDM	N/A	Pass	May 20, 2022	5750	79.40	3.97	79.21	-0.24	1019	3971	1590	17
S12	2450	23.3	1.806	38.078	1.8	39.2	0.33	-2.86	Pass	Pass	Pass	OFDM	N/A	Pass	May 24, 2022	2450	52.60	2.41	48.09	-8.58	737	3971	1590	17
S13	1900	23.1	1.46	38.641	1.4	40	4.29	-3.40	Pass	Pass	Pass	N/A	N/A	N/A	May 12, 2022	1900	40.40	1.95	38.91	-3.69	5d036	3971	1590	17
S14	835	23.1	0.934	40.321	0.9	41.5	3.78	-2.84	Pass	Pass	Pass	N/A	N/A	N/A	May 12, 2022	835	9.58	0.478	9.54	-0.45	4d121	3971	1590	17
S15	1900	23.1	1.46	38.641	1.4	40	4.29	-3.40	Pass	Pass	Pass	N/A	N/A	N/A	May 12, 2022	1900	40.40	1.95	38.91	-3.69	5d036	3971	1590	17
S16	1750	23.1	1.369	38.906	1.37	40.1	-0.07	-2.98	Pass	Pass	Pass	N/A	N/A	N/A	May 12, 2022	1750	35.80	1.74	34.72	-3.02	1055	3971	1590	17
S17	835	23.1	0.934	40.321	0.9	41.5	3.78	-2.84	Pass	Pass	Pass	N/A	N/A	N/A	May 12, 2022	835	9.58	0.478	9.54	-0.45	4d121	3971	1590	17
S18	750	23.1	0.904	41.504	0.9	42	0.44	-1.18	Pass	Pass	Pass	N/A	N/A	N/A	May 12, 2022	750	8.56	0.404	8.06	-5.83	1013	3971	1590	17
S19	750	23.1	0.904	41.504	0.9	42	0.44	-1.18	Pass	Pass	Pass	N/A	N/A	N/A	May 12, 2022	750	8.56	0.404	8.06	-5.83	1013	3971	1590	17
S20	2450	23.4	1.795	37.932	1.8	39.2	-0.28	-3.23	Pass	Pass	Pass	OFDM	N/A	Pass	May 23, 2022	2450	52.60	2.4	47.89	-8.96	737	3971	1590	17
S21	5250	23.4	4.79	37.296	4.71	35.9	1.70	3.89	Pass	Pass	Pass	OFDM	N/A	Pass	May 23, 2022	5250	80.60	3.99	79.61	-1.23	1019	3971	1590	17
S22	5600	23.4	5.137	36.728	5.07	35.5	1.32	3.46	Pass	Pass	Pass	OFDM	N/A	Pass	May 23, 2022	5600	82.40	4.11	82.01	-0.48	1019	3971	1590	17
S23	5750	23.4	5.282	36.335	5.22	35.4	1.19	2.64	Pass	Pass	Pass	OFDM	N/A	Pass	May 23, 2022	5750	79.40	3.99	79.61	0.27	1019	3971	1590	17
S24	2450	23.3	1.806	38.078	1.8	39.2	0.33	-2.86	Pass	Pass	Pass	OFDM	N/A	Pass	May 24, 2022	2450	52.60	2.41	48.09	-8.58	737	3971	1590	17
S25	1900	23.3	1.463	38.847	1.4	40	4.50	-2.88	Pass	Pass	Pass	N/A	N/A	N/A	May 13, 2022	1900	40.40	1.96	39.11	-3.20	5d036	3971	1590	17
S26	835	23.1	0.934	40.321	0.9	41.5	3.78	-2.84	Pass	Pass	Pass	N/A	N/A	N/A	May 12, 2022	835	9.58	0.478	9.54	-0.45	4d121	3971	1590	17
S27	1900	23.3	1.463	38.847	1.4	40	4.50	-2.88	Pass	Pass	Pass	N/A	N/A	N/A	May 13, 2022	1900	40.40	1.96	39.11	-3.20	5d036	3971	1590	17
S28	1750	23.3	1.372	39.114	1.37	40.1	0.15	-2.46	Pass	Pass	Pass	N/A	N/A	N/A	May 13, 2022	1750	35.80	1.74	34.72	-3.02	1055	3971	1590	17
S29	835	23.1	0.934	40.321	0.9	41.5	3.78	-2.84	Pass	Pass	Pass	N/A	N/A	N/A	May 12, 2022	835	9.58	0.478	9.54	-0.45	4d121	3971	1590	17
S30	750	23.2	0.902	41.563	0.9	42	0.22	-1.04	Pass	Pass	Pass	N/A	N/A	N/A	May 14, 2022	750	8.56	0.403	8.04	-6.06	1013	3971	1590	17
S31	750	23.2	0.902	41.563	0.9	42	0.22	-1.04	Pass	Pass	Pass	N/A	N/A	N/A	May 14, 2022	750	8.56	0.403	8.04	-6.06	1013	3971	1590	17
S32	2450	23.4	1.795	37.932	1.8	39.2	-0.28	-3.23	Pass	Pass	Pass	OFDM	N/A	Pass	May 23, 2022	2450	52.60	2.4	47.89	-8.96	737	3971	1590	17

Annex D. Maximum Target Conducted Power

The maximum conducted average power (Unit: dBm) including tune-up tolerance is shown as below.

WCDMA Max. Tune-up Power (Full)		
Mode	RMC 12.2K	HSDPA DC-HSDPA HSUPA
	Maximum Target Power	Maximum Target Power
WCDMA Band II	24.9	24.4
WCDMA Band V	24.9	24.4

LTE Max. Tune-up Power (Full)		
Mode	QPSK	16QAM
	Maximum Target Power	Maximum Target Power
LTE 2	24.9	23.9
LTE 4	24.9	23.9
LTE 5	25.4	24.4
LTE 12	24.9	23.9
LTE 13	24.4	23.4

WCDMA Max. Tune-up Power (Hotspot Reduction)		
Mode	RMC 12.2K	HSDPA DC-HSDPA HSUPA
	Maximum Target Power	Maximum Target Power
WCDMA Band II	22.4	21.9

LTE Max. Tune-up Power (Hotspot Reduction)

Mode	QPSK	16QAM
	Maximum Target Power	Maximum Target Power
LTE 2	22.4	21.4
LTE 4	22.4	21.4

WLAN Tune-up Power (Full)			
WLAN 2.4GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11b	1	2412	19.2
	6	2437	19.2
	11	2462	19.2
802.11g	1	2412	14.2
	6	2437	17.2
	11	2462	14.2
802.11n HT20	1	2412	14.2
	6	2437	17.2
	11	2462	14.2

WLAN Tune-up Power (Full)			
Bluetooth			
Mode	Channel	Frequency	Ant 0 Max Tune-up
BR / EDR	0	2402	12.9
	39	2441	11.7
	78	2480	12.5
LE	0	2402	8.0
	19	2440	8.5
	39	2480	8.7

WLAN Tune-up Power (Full)			
WLAN 5.2GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	36	5180	14.2
	40	5200	15.7
	44	5220	15.7
	48	5240	15.7
802.11n HT20	36	5180	14.2
	40	5200	15.7
	44	5220	15.7
	48	5240	15.7
802.11n HT40	38	5190	11.2
	46	5230	15.2
802.11ac VHT80	42	5210	10.2

WLAN Tune-up Power (Full)			
WLAN 5.3GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	52	5260	15.7
	56	5280	15.7
	60	5300	15.7
	64	5320	14.2
802.11n HT20	52	5260	15.7
	56	5280	15.7
	60	5300	15.7
	64	5320	14.2
802.11n HT40	54	5270	15.2
	62	5310	10.2
802.11ac VHT80	58	5290	10.2

WLAN Tune-up Power (Full)			
WLAN 5.6GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	100	5500	13.2
	116	5580	15.7
	120	5600	15.7
	124	5620	15.7
	132	5660	15.7
	140	5700	13.2
	144	5720	13.2
802.11n HT20	100	5500	13.2
	116	5580	15.7
	120	5600	15.7
	124	5620	15.7
	132	5660	15.7
	140	5700	13.2
	144	5720	13.2
802.11n HT40	102	5510	10.2
	110	5550	15.2
	118	5590	15.2
	126	5630	15.2
	134	5670	15.2
	142	5710	15.2
802.11ac VHT80	106	5530	10.2
	122	5610	10.2
	138	5690	10.2

WLAN Tune-up Power (Full)			
WLAN 5.8GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	149	5745	13.2
	153	5765	15.7
	157	5785	15.7
	161	5805	15.7
	165	5825	13.2
802.11n HT20	149	5745	13.2
	153	5765	15.7
	157	5785	15.7
	161	5805	15.7
	165	5825	13.2
802.11n HT40	151	5755	13.2
	159	5795	13.2
802.11ac VHT80	155	5775	10.2

Annex E. Measured Conducted Power Result

The measuring conducted power (Unit: dBm) are shown as below.

WCDMA Conducted Power (Full)						
Band	WCDMA II			WCDMA V		
TX Channel	9262	9400	9538	4132	4182	4233
Rx Channel	9662	9800	9938	4357	4407	4458
Frequency	1852.4	1880	1907.6	826.4	836.4	846.6
RMC 12.2K	23.66	23.73	23.68	24.12	24.13	23.90
HSDPA Subtest-1	22.64	22.71	22.75	23.15	23.11	22.94
HSDPA Subtest-2	22.56	22.74	22.61	23.08	23.06	22.89
HSDPA Subtest-3	22.08	22.23	22.14	22.56	22.54	22.32
HSDPA Subtest-4	22.16	22.28	22.20	22.59	22.57	22.39
HSUPA Subtest-1	22.63	22.78	22.71	23.13	23.12	22.95
HSUPA Subtest-2	21.72	21.78	21.69	22.15	22.11	21.99
HSUPA Subtest-3	22.67	22.74	22.69	23.15	23.13	22.98
HSUPA Subtest-4	21.11	21.28	21.20	21.66	21.55	21.44
HSUPA Subtest-5	22.60	22.70	22.70	23.10	23.10	22.90

LTE Conducted Power (Full)							
LTE Band 2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		18700	18900	19100	
		Frequency (MHz)		1860	1880	1900	
20M	QPSK	1	0	24.01	24.05	23.96	0
		1	50	23.98	24.02	23.93	0
		1	99	23.91	23.95	23.86	0
		50	0	22.99	23.03	22.94	1
		50	25	22.97	23.01	22.92	1
		50	50	22.91	22.95	22.86	1
		100	0	22.93	22.97	22.88	1
20M	16QAM	1	0	22.95	22.99	22.90	1
		1	50	22.91	22.95	22.86	1
		1	99	22.90	22.94	22.85	1
		50	0	21.91	21.95	21.86	2
		50	25	21.88	21.92	21.83	2
		50	50	21.84	21.88	21.79	2
		100	0	21.87	21.91	21.82	2
BW	MCS Index	Channel		18675	18900	19125	3GPP MPR
		Frequency (MHz)		1857.5	1880	1902.5	
15M	QPSK	1	0	23.99	23.97	23.87	0
		1	37	23.98	23.96	23.88	0
		1	74	23.89	23.90	23.83	0
		36	0	22.91	23.00	22.84	1
		36	19	22.89	22.96	22.85	1
		36	39	22.85	22.87	22.86	1
		75	0	22.87	22.90	22.86	1
15M	16QAM	1	0	22.95	22.97	22.83	1
		1	37	22.91	22.95	22.82	1
		1	74	22.84	22.85	22.80	1
		36	0	21.85	21.89	21.84	2
		36	19	21.81	21.82	21.81	2
		36	39	21.77	21.81	21.70	2
		75	0	21.79	21.82	21.81	2

LTE Conducted Power (Full)							
LTE Band 2							
BW	MCS Index	Channel		18650	18900	19150	3GPP MPR
		Frequency (MHz)		1855	1880	1905	
10M	QPSK	1	0	23.82	24.02	23.81	0
		1	24	23.94	24.02	23.90	0
		1	49	23.78	23.79	23.73	0
		25	0	22.82	22.88	22.81	1
		25	12	22.91	22.77	22.89	1
		25	25	22.66	22.86	22.85	1
		50	0	22.77	22.92	22.74	1
10M	16QAM	1	0	22.85	22.90	22.80	1
		1	24	22.74	22.81	22.74	1
		1	49	22.73	22.94	22.69	1
		25	0	21.79	21.90	21.69	2
		25	12	21.82	21.80	21.77	2
		25	25	21.67	21.79	21.75	2
		50	0	21.71	21.90	21.66	2
BW	MCS Index	Channel		18625	18900	19175	3GPP MPR
		Frequency (MHz)		1852.5	1880	1907.5	
5M	QPSK	1	0	23.84	23.93	23.71	0
		1	12	23.76	23.89	23.88	0
		1	24	23.83	23.91	23.72	0
		12	0	22.84	22.94	22.79	1
		12	6	22.88	22.79	22.72	1
		12	13	22.70	22.83	22.78	1
		25	0	22.78	22.74	22.65	1
5M	16QAM	1	0	22.86	22.92	22.87	1
		1	12	22.85	22.76	22.77	1
		1	24	22.85	22.84	22.75	1
		12	0	21.70	21.78	21.73	2
		12	6	21.72	21.88	21.79	2
		12	13	21.65	21.70	21.68	2
		25	0	21.80	21.82	21.80	2

LTE Conducted Power (Full)							
LTE Band 2							
BW	MCS Index	Channel		18615	18900	19185	3GPP MPR
		Frequency (MHz)		1851.5	1880	1908.5	
3M	QPSK	1	0	23.91	23.97	23.84	0
		1	7	23.85	23.93	23.78	0
		1	14	23.82	23.79	23.66	0
		8	0	22.87	22.93	22.74	1
		8	3	22.90	22.81	22.72	1
		8	7	22.80	22.88	22.83	1
		15	0	22.73	22.88	22.65	1
3M	16QAM	1	0	22.93	22.91	22.73	1
		1	7	22.80	22.80	22.71	1
		1	14	22.85	22.83	22.64	1
		8	0	21.80	21.80	21.71	2
		8	3	21.81	21.75	21.75	2
		8	7	21.62	21.83	21.78	2
		15	0	21.71	21.78	21.77	2
BW	MCS Index	Channel		18607	18900	19193	3GPP MPR
		Frequency (MHz)		1850.7	1880	1909.3	
1.4M	QPSK	1	0	23.87	23.86	23.87	0
		1	2	23.78	23.85	23.74	0
		1	5	23.87	23.90	23.72	0
		3	0	23.83	24.01	23.84	0
		3	1	23.72	23.88	23.79	0
		3	3	23.90	23.77	23.70	0
		6	0	22.77	22.81	22.69	1
1.4M	16QAM	1	0	22.84	22.89	22.83	1
		1	2	22.87	22.85	22.77	1
		1	5	22.79	22.77	22.73	1
		3	0	22.77	22.93	22.78	1
		3	1	22.72	22.86	22.78	1
		3	3	22.79	22.70	22.72	1
		6	0	21.71	21.74	21.76	2

LTE Conducted Power (Full)							
LTE Band 4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		20050	20175	20300	
		Frequency (MHz)		1720	1732.5	1745	
20M	QPSK	1	0	23.76	23.88	23.69	0
		1	50	23.73	23.85	23.66	0
		1	99	23.70	23.82	23.63	0
		50	0	22.67	22.79	22.60	1
		50	25	22.63	22.75	22.56	1
		50	50	22.60	22.72	22.53	1
		100	0	22.62	22.74	22.55	1
20M	16QAM	1	0	22.64	22.76	22.57	1
		1	50	22.61	22.73	22.54	1
		1	99	22.57	22.69	22.50	1
		50	0	21.69	21.81	21.62	2
		50	25	21.63	21.75	21.56	2
		50	50	21.59	21.71	21.52	2
		100	0	21.61	21.73	21.54	2
BW	MCS Index	Channel		20025	20175	20325	3GPP MPR
		Frequency (MHz)		1717.5	1732.5	1747.5	
15M	QPSK	1	0	23.66	23.86	23.65	0
		1	37	23.73	23.79	23.62	0
		1	74	23.69	23.73	23.63	0
		36	0	22.57	22.70	22.52	1
		36	19	22.61	22.66	22.53	1
		36	39	22.59	22.64	22.48	1
		75	0	22.57	22.67	22.53	1
15M	16QAM	1	0	22.54	22.67	22.50	1
		1	37	22.58	22.70	22.52	1
		1	74	22.49	22.63	22.45	1
		36	0	21.60	21.73	21.61	2
		36	19	21.59	21.68	21.50	2
		36	39	21.53	21.68	21.50	2
		75	0	21.52	21.64	21.44	2

LTE Conducted Power (Full)							
LTE Band 4							
BW	MCS Index	Channel		20000	20175	20350	3GPP MPR
		Frequency (MHz)		1715	1732.5	1750	
10M	QPSK	1	0	23.59	23.75	23.54	0
		1	24	23.61	23.66	23.51	0
		1	49	23.59	23.68	23.53	0
		25	0	22.52	22.69	22.39	1
		25	12	22.53	22.63	22.53	1
		25	25	22.41	22.62	22.32	1
		50	0	22.49	22.59	22.38	1
10M	16QAM	1	0	22.43	22.76	22.36	1
		1	24	22.55	22.55	22.38	1
		1	49	22.54	22.47	22.29	1
		25	0	21.57	21.70	21.48	2
		25	12	21.48	21.57	21.41	2
		25	25	21.39	21.60	21.31	2
		50	0	21.46	21.49	21.33	2
BW	MCS Index	Channel		19975	20175	20375	3GPP MPR
		Frequency (MHz)		1712.5	1732.5	1752.5	
5M	QPSK	1	0	23.76	23.77	23.55	0
		1	12	23.54	23.73	23.50	0
		1	24	23.61	23.72	23.25	0
		12	0	22.56	22.68	22.30	1
		12	6	22.61	22.61	22.27	1
		12	13	22.48	22.64	22.24	1
		25	0	22.53	22.59	22.36	1
5M	16QAM	1	0	22.57	22.76	22.44	1
		1	12	22.52	22.64	22.32	1
		1	24	22.45	22.64	22.34	1
		12	0	21.61	21.69	21.48	2
		12	6	21.53	21.65	21.43	2
		12	13	21.48	21.58	21.42	2
		25	0	21.45	21.53	21.39	2

LTE Conducted Power (Full)							
LTE Band 4							
BW	MCS Index	Channel		19965	20175	20385	3GPP MPR
		Frequency (MHz)		1711.5	1732.5	1753.5	
3M	QPSK	1	0	23.51	23.80	23.46	0
		1	7	23.59	23.84	23.49	0
		1	14	23.46	23.73	23.48	0
		8	0	22.59	22.74	22.51	1
		8	3	22.45	22.67	22.36	1
		8	7	22.48	22.59	22.48	1
		15	0	22.42	22.71	22.39	1
3M	16QAM	1	0	22.45	22.59	22.42	1
		1	7	22.51	22.70	22.47	1
		1	14	22.49	22.54	22.43	1
		8	0	21.57	21.67	21.47	2
		8	3	21.50	21.63	21.34	2
		8	7	21.41	21.48	21.39	2
		15	0	21.56	21.59	21.45	2
BW	MCS Index	Channel		19957	20175	20393	3GPP MPR
		Frequency (MHz)		1710.7	1732.5	1754.3	
1.4M	QPSK	1	0	23.68	23.79	23.56	0
		1	2	23.61	23.81	23.41	0
		1	5	23.60	23.67	23.48	0
		3	0	23.54	23.55	23.57	0
		3	1	23.39	23.64	23.50	0
		3	3	23.41	23.47	23.42	0
		6	0	22.53	22.51	22.44	1
1.4M	16QAM	1	0	22.56	22.63	22.53	1
		1	2	22.44	22.52	22.34	1
		1	5	22.45	22.53	22.31	1
		3	0	22.65	22.62	22.56	1
		3	1	22.50	22.72	22.52	1
		3	3	22.53	22.57	22.43	1
		6	0	21.39	21.60	21.30	2

LTE Conducted Power (Full)							
LTE Band 5							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		20450	20525	20600	
		Frequency (MHz)		829	836.5	844	
10M	QPSK	1	0	24.03	24.13	23.95	0
		1	24	23.88	23.98	23.80	0
		1	49	23.83	23.93	23.75	0
		25	0	23.02	23.12	22.94	1
		25	12	22.97	23.07	22.89	1
		25	25	22.92	23.02	22.84	1
		50	0	22.98	23.08	22.90	1
10M	16QAM	1	0	23.27	23.37	23.19	1
		1	24	23.21	23.31	23.13	1
		1	49	23.13	23.23	23.05	1
		25	0	22.04	22.14	21.96	2
		25	12	21.95	22.05	21.87	2
		25	25	21.92	22.02	21.84	2
		50	0	21.98	22.08	21.90	2
BW	MCS Index	Channel		20425	20525	20625	3GPP MPR
		Frequency (MHz)		826.5	836.5	846.5	
5M	QPSK	1	0	23.96	23.99	23.80	0
		1	12	23.72	23.83	23.67	0
		1	24	23.70	23.91	23.56	0
		12	0	22.95	22.99	22.77	1
		12	6	22.83	22.95	22.62	1
		12	13	22.83	22.84	22.58	1
		25	0	22.89	22.97	22.73	1
5M	16QAM	1	0	23.19	23.27	23.09	1
		1	12	23.05	23.07	22.98	1
		1	24	23.08	23.09	22.92	1
		12	0	21.83	21.94	21.77	2
		12	6	21.82	21.94	21.74	2
		12	13	21.84	21.93	21.73	2
		25	0	21.88	22.06	21.72	2

LTE Conducted Power (Full)							
LTE Band 5							
BW	MCS Index	Channel		20415	20525	20635	3GPP MPR
		Frequency (MHz)		825.5	836.5	847.5	
3M	QPSK	1	0	23.91	23.99	23.87	0
		1	7	23.66	23.90	23.72	0
		1	14	23.67	23.73	23.51	0
		8	0	22.98	23.05	22.83	1
		8	3	22.83	22.94	22.78	1
		8	7	22.87	22.92	22.62	1
		15	0	22.87	22.97	22.71	1
3M	16QAM	1	0	23.19	23.33	23.06	1
		1	7	23.13	23.11	23.04	1
		1	14	23.01	23.09	22.81	1
		8	0	21.96	22.11	21.77	2
		8	3	21.79	21.90	21.76	2
		8	7	21.75	21.93	21.61	2
		15	0	21.89	22.07	21.70	2
BW	MCS Index	Channel		20407	20525	20643	3GPP MPR
		Frequency (MHz)		824.7	836.5	848.3	
1.4M	QPSK	1	0	23.96	24.05	23.80	0
		1	2	23.70	23.90	23.61	0
		1	5	23.71	23.81	23.69	0
		3	0	23.90	24.01	23.80	0
		3	1	23.89	24.00	23.80	0
		3	3	23.83	23.98	23.69	0
		6	0	22.84	23.03	22.74	1
1.4M	16QAM	1	0	23.10	23.18	23.02	1
		1	2	23.15	23.09	23.09	1
		1	5	23.07	23.13	22.90	1
		3	0	22.90	23.01	22.76	1
		3	1	22.78	23.04	22.72	1
		3	3	22.77	22.89	22.68	1
		6	0	21.83	21.99	21.77	2

LTE Conducted Power (Full)							
LTE Band 12							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		23060	23095	23130	
		Frequency (MHz)		704	707.5	711	
10M	QPSK	1	0	23.11	23.13	23.09	0
		1	24	23.07	23.09	23.05	0
		1	49	23.05	23.07	23.03	0
		25	0	22.14	22.16	22.12	1
		25	12	22.12	22.14	22.10	1
		25	25	22.09	22.11	22.07	1
		50	0	22.11	22.13	22.09	1
10M	16QAM	1	0	22.12	22.14	22.10	1
		1	24	22.09	22.11	22.07	1
		1	49	22.06	22.08	22.04	1
		25	0	21.10	21.12	21.08	2
		25	12	21.05	21.07	21.03	2
		25	25	21.03	21.05	21.01	2
		50	0	21.04	21.06	21.02	2
BW	MCS Index	Channel		23035	23095	23155	3GPP MPR
		Frequency (MHz)		701.5	707.5	713.5	
5M	QPSK	1	0	23.11	23.03	23.08	0
		1	12	23.05	23.04	22.98	0
		1	24	22.96	23.02	23.01	0
		12	0	22.12	22.12	22.04	1
		12	6	22.04	22.04	22.10	1
		12	13	22.05	22.05	22.03	1
		25	0	22.10	22.03	22.00	1
5M	16QAM	1	0	22.04	22.13	22.10	1
		1	12	22.03	22.10	21.97	1
		1	24	21.96	22.02	22.04	1
		12	0	21.00	21.08	21.01	2
		12	6	20.99	21.03	21.01	2
		12	13	21.02	21.00	21.00	2
		25	0	20.94	21.00	21.02	2

LTE Conducted Power (Full)							
LTE Band 12							
BW	MCS Index	Channel		23025	23095	23165	3GPP MPR
		Frequency (MHz)		700.5	707.5	714.5	
3M	QPSK	1	0	23.08	23.04	23.07	0
		1	7	23.06	23.08	23.05	0
		1	14	23.00	23.00	22.96	0
		8	0	22.10	22.08	22.06	1
		8	3	22.05	22.06	22.04	1
		8	7	22.07	22.10	21.99	1
		15	0	22.01	22.05	21.99	1
3M	16QAM	1	0	22.07	22.14	22.10	1
		1	7	21.99	22.09	22.00	1
		1	14	22.03	22.00	21.96	1
		8	0	21.06	21.08	21.04	2
		8	3	21.05	21.02	20.94	2
		8	7	20.99	21.03	20.92	2
		15	0	20.95	21.01	20.92	2
BW	MCS Index	Channel		23017	23095	23173	3GPP MPR
		Frequency (MHz)		699.7	707.5	715.3	
1.4M	QPSK	1	0	23.04	23.03	23.07	0
		1	2	23.03	23.00	23.02	0
		1	5	23.00	23.02	22.94	0
		3	0	23.06	22.91	22.99	0
		3	1	22.91	23.12	22.96	0
		3	3	22.93	22.95	22.93	0
		6	0	21.92	22.10	21.94	1
1.4M	16QAM	1	0	21.96	22.06	21.99	1
		1	2	22.04	22.00	21.97	1
		1	5	21.95	22.01	21.98	1
		3	0	22.08	22.09	22.02	1
		3	1	22.06	22.05	22.01	1
		3	3	21.98	21.97	21.99	1
		6	0	22.02	22.08	21.96	2

LTE Conducted Power (Full)							
LTE Band 13							
BW	MCS Index	RB Size	RB Offset			Mid	3GPP MPR (dB)
		Channel			23230		
		Frequency (MHz)			782		
10M	QPSK	1	0			23.34	0
		1	24			23.25	0
		1	49			23.12	0
		25	0			22.34	1
		25	12			22.32	1
		25	25			22.17	1
		50	0			22.26	1
10M	16QAM	1	0			22.61	1
		1	24			22.54	1
		1	49			22.42	1
		25	0			21.35	2
		25	12			21.30	2
		25	25			21.16	2
		50	0			21.25	2
BW	MCS Index	Channel		23205	23230	23255	3GPP MPR
		Frequency (MHz)		779.5	782	784.5	
5M	QPSK	1	0	23.25	23.31	23.29	0
		1	12	23.17	23.21	23.25	0
		1	24	23.08	23.08	23.02	0
		12	0	22.34	22.26	22.27	1
		12	6	22.22	22.27	22.29	1
		12	13	22.10	22.16	22.11	1
		25	0	22.17	22.22	22.25	1
5M	16QAM	1	0	22.60	22.58	22.53	1
		1	12	22.52	22.50	22.47	1
		1	24	22.39	22.36	22.37	1
		12	0	21.28	21.25	21.30	2
		12	6	21.28	21.21	21.20	2
		12	13	21.06	21.15	21.16	2
		25	0	21.23	21.16	21.21	2

WCDMA Conducted Power (Reduction)

Band	WCDMA II		
TX Channel	9262	9400	9538
Rx Channel	9662	9800	9938
Frequency	1852.4	1880	1907.6
RMC 12.2K	21.72	21.78	21.75
HSDPA Subtest-1	21.10	21.16	21.13
HSDPA Subtest-2	21.08	21.14	21.11
HSDPA Subtest-3	20.65	20.71	20.68
HSDPA Subtest-4	20.61	20.67	20.64
HSUPA Subtest-1	21.07	21.13	21.10
HSUPA Subtest-2	19.40	19.46	19.43
HSUPA Subtest-3	20.46	20.52	20.49
HSUPA Subtest-4	19.35	19.41	19.38
HSUPA Subtest-5	21.32	21.38	21.35

LTE Conducted Power (Reduction)							
LTE Band 2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		18700	18900	19100	
		Frequency (MHz)		1860	1880	1900	
20M	QPSK	1	0	21.48	21.52	21.45	0
		1	50	21.42	21.51	21.36	0
		1	99	21.46	21.49	21.43	0
		50	0	20.51	20.54	20.48	1
		50	25	20.49	20.52	20.46	1
		50	50	20.44	20.47	20.41	1
		100	0	20.48	20.51	20.45	1
20M	16QAM	1	0	20.50	20.53	20.47	1
		1	50	20.46	20.49	20.43	1
		1	99	20.43	20.46	20.40	1
		50	0	19.53	19.56	19.50	2
		50	25	19.49	19.52	19.46	2
		50	50	19.45	19.48	19.42	2
		100	0	19.48	19.51	19.45	2
BW	MCS Index	Channel		18675	18900	19125	3GPP MPR
		Frequency (MHz)		1857.5	1880	1902.5	
15M	QPSK	1	0	21.38	21.36	21.36	0
		1	37	21.32	21.38	21.31	0
		1	74	21.26	21.35	21.27	0
		36	0	20.35	20.40	20.33	1
		36	19	20.37	20.40	20.36	1
		36	39	20.30	20.30	20.27	1
		75	0	20.35	20.31	20.27	1
15M	16QAM	1	0	20.31	20.37	20.30	1
		1	37	20.30	20.31	20.32	1
		1	74	20.24	20.36	20.27	1
		36	0	19.34	19.38	19.31	2
		36	19	19.38	19.41	19.36	2
		36	39	19.33	19.35	19.32	2
		75	0	19.34	19.37	19.28	2

LTE Conducted Power (Reduction)							
LTE Band 2							
BW	MCS Index	Channel		18650	18900	19150	3GPP MPR
		Frequency (MHz)		1855	1880	1905	
10M	QPSK	1	0	21.36	21.34	21.30	0
		1	24	21.24	21.36	21.18	0
		1	49	21.22	21.30	21.20	0
		25	0	20.32	20.42	20.27	1
		25	12	20.30	20.33	20.27	1
		25	25	20.16	20.28	20.19	1
		50	0	20.18	20.28	20.19	1
10M	16QAM	1	0	20.22	20.36	20.23	1
		1	24	20.24	20.27	20.18	1
		1	49	20.22	20.26	20.19	1
		25	0	19.38	19.27	19.36	2
		25	12	19.23	19.30	19.19	2
		25	25	19.26	19.32	19.16	2
		50	0	19.32	19.28	19.24	2
BW	MCS Index	Channel		18625	18900	19175	3GPP MPR
		Frequency (MHz)		1852.5	1880	1907.5	
5M	QPSK	1	0	21.33	21.29	21.15	0
		1	12	21.24	21.25	21.12	0
		1	24	21.14	21.28	21.01	0
		12	0	20.40	20.28	20.11	1
		12	6	20.33	20.20	20.21	1
		12	13	20.30	20.24	20.04	1
		25	0	20.25	20.33	20.16	1
5M	16QAM	1	0	20.31	20.23	20.23	1
		1	12	20.22	20.29	20.19	1
		1	24	20.28	20.20	20.13	1
		12	0	19.43	19.29	19.27	2
		12	6	19.23	19.29	19.23	2
		12	13	19.24	19.30	19.07	2
		25	0	19.32	19.19	19.26	2

LTE Conducted Power (Reduction)							
LTE Band 2							
BW	MCS Index	Channel		18615	18900	19185	3GPP MPR
		Frequency (MHz)		1851.5	1880	1908.5	
3M	QPSK	1	0	21.30	21.40	21.26	0
		1	7	21.31	21.35	21.23	0
		1	14	21.21	21.27	21.24	0
		8	0	20.29	20.31	20.27	1
		8	3	20.32	20.38	20.26	1
		8	7	20.24	20.20	20.20	1
		15	0	20.23	20.32	20.24	1
3M	16QAM	1	0	20.28	20.22	20.20	1
		1	7	20.22	20.20	20.20	1
		1	14	20.13	20.31	20.18	1
		8	0	19.36	19.32	19.23	2
		8	3	19.26	19.20	19.24	2
		8	7	19.18	19.20	19.20	2
		15	0	19.22	19.39	19.22	2
BW	MCS Index	Channel		18607	18900	19193	3GPP MPR
		Frequency (MHz)		1850.7	1880	1909.3	
1.4M	QPSK	1	0	21.30	21.28	21.27	0
		1	2	21.38	21.34	21.24	0
		1	5	21.21	21.31	21.29	0
		3	0	21.26	21.36	21.24	0
		3	1	21.32	21.26	21.14	0
		3	3	21.21	21.19	21.16	0
		6	0	20.28	20.39	20.29	1
1.4M	16QAM	1	0	20.29	20.33	20.22	1
		1	2	20.18	20.20	20.25	1
		1	5	20.11	20.23	20.19	1
		3	0	20.27	20.37	20.27	1
		3	1	20.29	20.37	20.33	1
		3	3	20.22	20.30	20.30	1
		6	0	19.38	19.24	19.29	2

LTE Conducted Power (Reduction)							
LTE Band 4							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		20050	20175	20300	
		Frequency (MHz)		1720	1732.5	1745	
20M	QPSK	1	0	21.70	21.76	21.61	0
		1	50	21.47	21.55	21.44	0
		1	99	21.22	21.31	21.15	0
		50	0	20.65	20.69	20.56	1
		50	25	20.65	20.67	20.57	1
		50	50	20.50	20.54	20.42	1
		100	0	20.45	20.55	20.40	1
20M	16QAM	1	0	21.01	21.02	20.95	1
		1	50	20.65	20.72	20.64	1
		1	99	20.52	20.60	20.44	1
		50	0	19.65	19.66	19.60	2
		50	25	19.61	19.63	19.58	2
		50	50	19.44	19.51	19.41	2
		100	0	19.44	19.54	19.35	2
BW	MCS Index	Channel		20025	20175	20325	3GPP MPR
		Frequency (MHz)		1717.5	1732.5	1747.5	
15M	QPSK	1	0	21.61	21.75	21.55	0
		1	37	21.44	21.52	21.42	0
		1	74	21.21	21.31	21.08	0
		36	0	20.65	20.63	20.55	1
		36	19	20.64	20.57	20.47	1
		36	39	20.46	20.51	20.33	1
		75	0	20.35	20.49	20.32	1
15M	16QAM	1	0	20.94	21.02	20.92	1
		1	37	20.58	20.68	20.57	1
		1	74	20.43	20.55	20.38	1
		36	0	19.63	19.59	19.50	2
		36	19	19.60	19.61	19.55	2
		36	39	19.36	19.44	19.38	2
		75	0	19.38	19.49	19.29	2

LTE Conducted Power (Reduction)							
LTE Band 4							
BW	MCS Index	Channel		20000	20175	20350	3GPP MPR
		Frequency (MHz)		1715	1732.5	1750	
10M	QPSK	1	0	21.65	21.75	21.57	0
		1	24	21.42	21.48	21.37	0
		1	49	21.20	21.30	21.11	0
		25	0	20.61	20.64	20.49	1
		25	12	20.62	20.60	20.54	1
		25	25	20.45	20.48	20.39	1
		50	0	20.37	20.55	20.30	1
10M	16QAM	1	0	20.95	20.99	20.95	1
		1	24	20.60	20.67	20.56	1
		1	49	20.43	20.56	20.43	1
		25	0	19.65	19.60	19.51	2
		25	12	19.60	19.57	19.52	2
		25	25	19.44	19.47	19.34	2
		50	0	19.44	19.45	19.28	2
BW	MCS Index	Channel		19975	20175	20375	3GPP MPR
		Frequency (MHz)		1712.5	1732.5	1752.5	
5M	QPSK	1	0	21.67	21.72	21.61	0
		1	12	21.37	21.47	21.38	0
		1	24	21.13	21.26	21.06	0
		12	0	20.59	20.65	20.53	1
		12	6	20.60	20.63	20.54	1
		12	13	20.43	20.47	20.42	1
		25	0	20.43	20.47	20.39	1
5M	16QAM	1	0	20.93	20.99	20.88	1
		1	12	20.55	20.62	20.58	1
		1	24	20.44	20.57	20.37	1
		12	0	19.55	19.56	19.56	2
		12	6	19.51	19.54	19.58	2
		12	13	19.42	19.50	19.41	2
		25	0	19.39	19.51	19.33	2

LTE Conducted Power (Reduction)							
LTE Band 4							
BW	MCS Index	Channel		19965	20175	20385	3GPP MPR
		Frequency (MHz)		1711.5	1732.5	1753.5	
3M	QPSK	1	0	21.68	21.72	21.59	0
		1	7	21.43	21.49	21.38	0
		1	14	21.17	21.25	21.10	0
		8	0	20.56	20.67	20.54	1
		8	3	20.56	20.65	20.56	1
		8	7	20.40	20.54	20.42	1
		15	0	20.36	20.54	20.34	1
3M	16QAM	1	0	20.98	20.99	20.92	1
		1	7	20.57	20.67	20.58	1
		1	14	20.42	20.52	20.40	1
		8	0	19.64	19.56	19.50	2
		8	3	19.56	19.56	19.48	2
		8	7	19.35	19.44	19.34	2
		15	0	19.35	19.46	19.29	2
BW	MCS Index	Channel		19957	20175	20393	3GPP MPR
		Frequency (MHz)		1710.7	1732.5	1754.3	
1.4M	QPSK	1	0	21.70	21.71	21.61	0
		1	2	21.45	21.45	21.41	0
		1	5	21.14	21.30	21.05	0
		3	0	21.60	21.62	21.55	0
		3	1	21.61	21.59	21.57	0
		3	3	21.41	21.52	21.32	0
		6	0	20.44	20.54	20.32	1
1.4M	16QAM	1	0	20.94	20.94	20.92	1
		1	2	20.55	20.63	20.54	1
		1	5	20.48	20.57	20.34	1
		3	0	20.64	20.60	20.50	1
		3	1	20.54	20.58	20.57	1
		3	3	20.42	20.43	20.41	1
		6	0	19.42	19.50	19.26	2

WLAN Conducted Power (Full)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	18.86
	6	2437	19.16
	11	2462	19.14
802.11g	1	2412	13.79
	6	2437	17.15
	11	2462	14.17
802.11n HT20	1	2412	14.1
	6	2437	16.95
	11	2462	13.99

WLAN Conducted Power (Full)			
Bluetooth Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
BR / EDR	0	2402	10.91
	39	2441	9.75
	78	2480	10.56
LE	0	2402	6.06
	19	2440	6.59
	39	2480	6.74

WLAN Conducted Power (Full)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	14.02
	40	5200	15.58
	44	5220	15.54
	48	5240	15.3
802.11n HT20	36	5180	13.96
	40	5200	14.99
	44	5220	15.02
	48	5240	15.07
802.11n HT40	38	5190	10.75
	46	5230	15.11
802.11ac VHT80	42	5210	10.04

WLAN Conducted Power (Full)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	15.44
	56	5280	15.49
	60	5300	15.41
	64	5320	14.02
802.11n HT20	52	5260	14.9
	56	5280	14.81
	60	5300	14.86
	64	5320	13.98
802.11n HT40	54	5270	14.75
	62	5310	10.18
802.11ac VHT80	58	5290	10.02

WLAN Conducted Power (Full)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	13.19
	116	5580	15.62
	120	5600	15.58
	124	5620	15.54
	132	5660	15.51
	140	5700	12.87
	144	5720	12.83
802.11n HT20	100	5500	12.77
	116	5580	14.85
	120	5600	14.77
	124	5620	14.75
	132	5660	14.73
	140	5700	12.8
	144	5720	12.81
802.11n HT40	102	5510	9.87
	110	5550	14.8
	118	5590	14.74
	126	5630	14.75
	134	5670	14.82
	142	5710	14.72
802.11ac VHT80	106	5530	9.78
	122	5610	10.02
	138	5690	10.01

WLAN Conducted Power (Full)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	12.86
	153	5765	15.41
	157	5785	15.5
	161	5805	15.42
	165	5825	12.99
802.11n HT20	149	5745	13.16
	153	5765	15.02
	157	5785	15.03
	161	5805	15.01
	165	5825	12.96
802.11n HT40	151	5755	12.96
	159	5795	12.88
802.11ac VHT80	155	5775	10.03

Annex F. SAR Test Result

SAR Results for Head / Body / P[ⅉ] [cExposure Condition.

Note:

1. SAR testing for WLAN was performed on the maximum power mode.
2. SAR testing for LTE / NR was performed on the maximum power mode.
3. The “< 0.001” means there is no SAR value or the SAR is too low to be measured.
4. Since LTE of this device supports VOIP capability through 3rd party apps software, we have evaluated data mode for head SAR.

Head SAR Test Result

System & Position								DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Camera	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WCDMA II	RMC12.2K	Right Cheek	-	9400			w/	w/o	-	1.00	24.90	23.73	1.31	-0.02	0.366	0.48
	WCDMA II	RMC12.2K	Right Tilted	-	9400			w/	w/o	-	1.00	24.90	23.73	1.31	0.15	0.088	0.12
	WCDMA II	RMC12.2K	Left Cheek	-	9400			w/	w/o	-	1.00	24.90	23.73	1.31	-0.15	0.271	0.36
	WCDMA II	RMC12.2K	Left Tilted	-	9400			w/	w/o	-	1.00	24.90	23.73	1.31	-0.11	0.136	0.18
1	WCDMA II	RMC12.2K	Right Cheek	-	9262			w/	w/o	-	1.00	24.90	23.66	1.33	0.15	0.430	0.57
	WCDMA II	RMC12.2K	Right Cheek	-	9538			w/	w/o	-	1.00	24.90	23.68	1.32	-0.05	0.345	0.46
	WCDMA II	RMC12.2K	Right Cheek	-	9262			w/o	w/o	-	1.00	24.90	23.66	1.33	-0.17	0.423	0.56
																	-
	WCDMA V	RMC12.2K	Right Cheek	-	4182			w/	w/o	-	1.00	24.90	24.13	1.19	0.09	0.219	0.26
	WCDMA V	RMC12.2K	Right Tilted	-	4182			w/	w/o	-	1.00	24.90	24.13	1.19	-0.01	0.162	0.19
	WCDMA V	RMC12.2K	Left Cheek	-	4182			w/	w/o	-	1.00	24.90	24.13	1.19	0.06	0.204	0.24
	WCDMA V	RMC12.2K	Left Tilted	-	4182			w/	w/o	-	1.00	24.90	24.13	1.19	0.03	0.160	0.19
	WCDMA V	RMC12.2K	Right Cheek	-	4132			w/	w/o	-	1.00	24.90	24.12	1.20	0.09	0.182	0.22
2	WCDMA V	RMC12.2K	Right Cheek	-	4233			w/	w/o	-	1.00	24.90	23.90	1.26	0.03	0.268	0.34
	WCDMA V	RMC12.2K	Right Cheek	-	4233			w/o	w/o	-	1.00	24.90	23.90	1.26	0.18	0.263	0.33
																	-
	LTE 2	QPSK20M	Right Cheek	-	18900	1	0	w/	w/o	-	1.00	24.90	24.05	1.22	-0.02	0.224	0.27
	LTE 2	QPSK20M	Right Tilted	-	18900	1	0	w/	w/o	-	1.00	24.90	24.05	1.22	-0.06	0.106	0.13
	LTE 2	QPSK20M	Left Cheek	-	18900	1	0	w/	w/o	-	1.00	24.90	24.05	1.22	-0.12	0.355	0.43
	LTE 2	QPSK20M	Left Tilted	-	18900	1	0	w/	w/o	-	1.00	24.90	24.05	1.22	0.1	0.082	0.10
	LTE 2	QPSK20M	Right Cheek	-	18900	50	0	w/	w/o	-	1.00	23.90	23.03	1.22	-0.16	0.186	0.23
	LTE 2	QPSK20M	Right Tilted	-	18900	50	0	w/	w/o	-	1.00	23.90	23.03	1.22	0.13	0.090	0.11
	LTE 2	QPSK20M	Left Cheek	-	18900	50	0	w/	w/o	-	1.00	23.90	23.03	1.22	0.04	0.322	0.39
	LTE 2	QPSK20M	Left Tilted	-	18900	50	0	w/	w/o	-	1.00	23.90	23.03	1.22	0.06	0.069	0.08
3	LTE 2	QPSK20M	Left Cheek	-	18700	1	0	w/	w/o	-	1.00	24.90	24.01	1.23	-0.14	0.414	0.51
	LTE 2	QPSK20M	Left Cheek	-	19100	1	0	w/	w/o	-	1.00	24.90	23.96	1.24	0.01	0.345	0.43
	LTE 2	QPSK20M	Left Cheek	-	18700	1	0	w/o	w/o	-	1.00	24.90	24.01	1.23	0.19	0.368	0.45
																	-
	LTE 4	QPSK20M	Right Cheek	-	20175	1	0	w/	w/o	-	1.00	24.90	23.88	1.26	0.17	0.317	0.40
	LTE 4	QPSK20M	Right Tilted	-	20175	1	0	w/	w/o	-	1.00	24.90	23.88	1.26	-0.01	0.134	0.17
	LTE 4	QPSK20M	Left Cheek	-	20175	1	0	w/	w/o	-	1.00	24.90	23.88	1.26	-0.13	0.520	0.66
	LTE 4	QPSK20M	Left Tilted	-	20175	1	0	w/	w/o	-	1.00	24.90	23.88	1.26	-0.12	0.134	0.17
	LTE 4	QPSK20M	Right Cheek	-	20175	50	0	w/	w/o	-	1.00	23.90	22.79	1.29	-0.12	0.288	0.37
	LTE 4	QPSK20M	Right Tilted	-	20175	50	0	w/	w/o	-	1.00	23.90	22.79	1.29	0.16	0.120	0.15
	LTE 4	QPSK20M	Left Cheek	-	20175	50	0	w/	w/o	-	1.00	23.90	22.79	1.29	-0.05	0.476	0.61
	LTE 4	QPSK20M	Left Tilted	-	20175	50	0	w/	w/o	-	1.00	23.90	22.79	1.29	0.1	0.108	0.14
	LTE 4	QPSK20M	Left Cheek	-	20050	1	0	w/	w/o	-	1.00	24.90	23.76	1.30	0.12	0.454	0.59
4	LTE 4	QPSK20M	Left Cheek	-	20300	1	0	w/	w/o	-	1.00	24.90	23.69	1.32	-0.09	0.567	0.75
	LTE 4	QPSK20M	Left Cheek	-	20300	1	0	w/o	w/o	-	1.00	24.90	23.69	1.32	0.02	0.495	0.65
																	-

Head SAR Test Result

System & Position								DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Camera	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 5	QPSK10M	Right Cheek	-	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	0.01	0.193	0.26
	LTE 5	QPSK10M	Right Tilted	-	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	0.16	0.161	0.22
	LTE 5	QPSK10M	Left Cheek	-	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	0.15	0.201	0.27
	LTE 5	QPSK10M	Left Tilted	-	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	-0.15	0.145	0.19
	LTE 5	QPSK10M	Right Cheek	-	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	0.13	0.186	0.25
	LTE 5	QPSK10M	Right Tilted	-	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	0.05	0.136	0.18
	LTE 5	QPSK10M	Left Cheek	-	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	-0.15	0.165	0.22
	LTE 5	QPSK10M	Left Tilted	-	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	0.05	0.128	0.17
	LTE 5	QPSK10M	Left Cheek	-	20450	1	0	w/	w/o	-	1.00	25.40	24.03	1.37	0.02	0.155	0.21
5	LTE 5	QPSK10M	Left Cheek	-	20600	1	0	w/	w/o	-	1.00	25.40	23.95	1.40	-0.04	0.238	0.33
	LTE 5	QPSK10M	Left Cheek	-	20600	1	0	w/o	w/o	-	1.00	25.40	23.95	1.40	0.07	0.227	0.32
																	-
	LTE 12	QPSK10M	Right Cheek	-	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	0.01	0.064	0.10
	LTE 12	QPSK10M	Right Tilted	-	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	0	<0.001	0.00
	LTE 12	QPSK10M	Left Cheek	-	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	0.06	0.093	0.14
	LTE 12	QPSK10M	Left Tilted	-	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	0	<0.001	0.00
	LTE 12	QPSK10M	Right Cheek	-	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	-0.11	0.059	0.09
	LTE 12	QPSK10M	Right Tilted	-	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	0	<0.001	0.00
	LTE 12	QPSK10M	Left Cheek	-	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	-0.15	0.084	0.13
	LTE 12	QPSK10M	Left Tilted	-	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	0	<0.001	0.00
	LTE 12	QPSK10M	Left Cheek	-	23060	1	0	w/	w/o	-	1.00	24.90	23.11	1.51	-0.14	0.084	0.13
6	LTE 12	QPSK10M	Left Cheek	-	23130	1	0	w/	w/o	-	1.00	24.90	23.09	1.52	-0.05	0.106	0.16
	LTE 12	QPSK10M	Left Cheek	-	23130	1	0	w/o	w/o	-	1.00	24.90	23.09	1.52	0.17	0.099	0.15
																	-
	LTE 13	QPSK10M	Right Cheek	-	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	-0.14	0.169	0.22
	LTE 13	QPSK10M	Right Tilted	-	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	0.05	0.106	0.14
7	LTE 13	QPSK10M	Left Cheek	-	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	-0.05	0.201	0.26
	LTE 13	QPSK10M	Left Tilted	-	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	-0.03	0.097	0.12
	LTE 13	QPSK10M	Right Cheek	-	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	0.14	0.149	0.19
	LTE 13	QPSK10M	Right Tilted	-	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	0.16	0.092	0.12
	LTE 13	QPSK10M	Left Cheek	-	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	-0.06	0.159	0.20
	LTE 13	QPSK10M	Left Tilted	-	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	-0.16	0.079	0.10
	LTE 13	QPSK10M	Left Cheek	-	23230	1	0	w/o	w/o	-	1.00	24.40	23.34	1.28	-0.11	0.197	0.25
																	-
	WLAN2.4G	802.11b	Right Cheek	-	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	0.19	0.037	0.04
	WLAN2.4G	802.11b	Right Tilted	-	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	0	<0.001	0.00
8	WLAN2.4G	802.11b	Left Cheek	-	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	-0.07	0.052	0.05
	WLAN2.4G	802.11b	Left Tilted	-	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Left Cheek	-	1			w/	w/o	96.10	1.04	19.20	18.86	1.08	0.18	0.038	0.04
	WLAN2.4G	802.11b	Left Cheek	-	11			w/	w/o	96.10	1.04	19.20	19.14	1.01	0.16	0.039	0.04
	WLAN2.4G	802.11b	Left Cheek	-	6			w/o	w/o	96.10	1.04	19.20	19.16	1.01	-0.15	0.041	0.04

Head SAR Test Result

System & Position								DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Camera	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN5.3G	802.11a	Right Cheek	-	56			w/	w/o	95.40	1.05	15.70	15.49	1.05	0.04	0.029	0.03
	WLAN5.3G	802.11a	Right Tilted	-	56			w/	w/o	95.40	1.05	15.70	15.49	1.05	0.14	0.015	0.02
9	WLAN5.3G	802.11a	Left Cheek	-	56			w/	w/o	95.40	1.05	15.70	15.49	1.05	-0.07	0.034	0.04
	WLAN5.3G	802.11a	Left Tilted	-	56			w/	w/o	95.40	1.05	15.70	15.49	1.05	0.11	0.015	0.02
	WLAN5.3G	802.11a	Left Cheek	-	52			w/	w/o	95.40	1.05	15.70	15.44	1.06	-0.01	0.021	0.02
	WLAN5.3G	802.11a	Left Cheek	-	60			w/	w/o	95.40	1.05	15.70	15.41	1.07	0.07	0.024	0.03
	WLAN5.3G	802.11a	Left Cheek	-	64			w/	w/o	95.40	1.05	14.20	14.02	1.04	0.06	0.019	0.02
	WLAN5.3G	802.11a	Left Cheek	-	56			w/o	w/o	95.40	1.05	15.70	15.49	1.05	0.05	0.02	0.02
	WLAN5.6G	802.11a	Right Cheek	-	116			w/	w/o	95.40	1.05	15.70	15.62	1.02	-0.04	0.048	0.05
	WLAN5.6G	802.11a	Right Tilted	-	116			w/	w/o	95.40	1.05	15.70	15.62	1.02	0.04	0.026	0.03
10	WLAN5.6G	802.11a	Left Cheek	-	116			w/	w/o	95.40	1.05	15.70	15.62	1.02	-0.09	0.057	0.06
	WLAN5.6G	802.11a	Left Tilted	-	116			w/	w/o	95.40	1.05	15.70	15.62	1.02	-0.16	0.029	0.03
	WLAN5.6G	802.11a	Left Cheek	-	100			w/	w/o	95.40	1.05	13.20	13.19	1.00	-0.13	0.027	0.03
	WLAN5.6G	802.11a	Left Cheek	-	120			w/	w/o	95.40	1.05	15.70	15.58	1.03	0.11	0.043	0.05
	WLAN5.6G	802.11a	Left Cheek	-	124			w/	w/o	95.40	1.05	15.70	15.54	1.04	0.19	0.041	0.04
	WLAN5.6G	802.11a	Left Cheek	-	132			w/	w/o	95.40	1.05	15.70	15.51	1.04	-0.08	0.039	0.04
	WLAN5.6G	802.11a	Left Cheek	-	140			w/	w/o	95.40	1.05	13.20	12.87	1.08	0.03	0.028	0.03
	WLAN5.6G	802.11a	Left Cheek	-	144			w/	w/o	95.40	1.05	13.20	12.83	1.09	-0.13	0.026	0.03
	WLAN5.6G	802.11a	Left Cheek	-	116			w/o	w/o	95.40	1.05	15.70	15.62	1.02	0.13	0.035	0.04
	WLAN5.8G	802.11a	Right Cheek	-	157			w/	w/o	95.40	1.05	15.70	15.50	1.05	-0.13	0.022	0.02
	WLAN5.8G	802.11a	Right Tilted	-	157			w/	w/o	95.40	1.05	15.70	15.50	1.05	0.01	0.017	0.02
11	WLAN5.8G	802.11a	Left Cheek	-	157			w/	w/o	95.40	1.05	15.70	15.50	1.05	0.13	0.031	0.03
	WLAN5.8G	802.11a	Left Tilted	-	157			w/	w/o	95.40	1.05	15.70	15.50	1.05	0.03	0.017	0.02
	WLAN5.8G	802.11a	Left Cheek	-	149			w/	w/o	95.40	1.05	13.20	12.86	1.08	0.05	0.012	0.01
	WLAN5.8G	802.11a	Left Cheek	-	153			w/	w/o	95.40	1.05	15.70	15.41	1.07	-0.17	0.021	0.02
	WLAN5.8G	802.11a	Left Cheek	-	161			w/	w/o	95.40	1.05	15.70	15.42	1.07	-0.12	0.019	0.02
	WLAN5.8G	802.11a	Left Cheek	-	165			w/	w/o	95.40	1.05	13.20	12.99	1.05	0.01	0.013	0.01
	WLAN5.8G	802.11a	Left Cheek	-	157			w/o	w/o	95.40	1.05	15.70	15.50	1.05	-0.1	0.018	0.02
	BT	BDR	Right Cheek	-	0			w/	w/o	76.06	1.31	12.90	10.91	1.58	0	<0.001	0.00
	BT	BDR	Right Tilted	-	0			w/	w/o	76.06	1.31	12.90	10.91	1.58	0	<0.001	0.00
	BT	BDR	Left Cheek	-	0			w/	w/o	76.06	1.31	12.90	10.91	1.58	0	<0.001	0.00
	BT	BDR	Left Tilted	-	0			w/	w/o	76.06	1.31	12.90	10.91	1.58	0	<0.001	0.00
	BT	BDR	Left Cheek	-	39			w/	w/o	76.06	1.31	11.70	9.75	1.57	0	<0.001	0.00
12	BT	BDR	Left Cheek	-	78			w/	w/o	76.06	1.31	12.50	10.56	1.56	0.05	0.00208	0.00
	BT	BDR	Left Cheek	-	78			w/o	w/o	76.06	1.31	12.50	10.56	1.56	0	<0.001	0.00

Body SAR Test Result

System & Position								DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Camera	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WCDMA II	RMC12.2K	Front Face	15	9400			w/	w/o	-	1.00	24.90	23.73	1.31	0.09	0.191	0.25
	WCDMA II	RMC12.2K	Rear Face	15	9400			w/	w/o	-	1.00	24.90	23.73	1.31	0.11	0.840	1.10
	WCDMA II	RMC12.2K	Rear Face	15	9262			w/	w/o	-	1.00	24.90	23.66	1.33	-0.12	0.725	0.96
13	WCDMA II	RMC12.2K	Rear Face	15	9538			w/	w/o	-	1.00	24.90	23.68	1.32	0.04	0.859	1.13
	WCDMA II	RMC12.2K	Rear Face	15	9538			w/o	w/o	-	1.00	24.90	23.68	1.32	0.16	0.715	0.94
	WCDMA II	RMC12.2K	Rear Face	15	9262			w/o	w/o	-	1.00	24.90	23.66	1.33	-0.11	0.752	1.00
	WCDMA II	RMC12.2K	Rear Face	15	9400			w/o	w/o	-	1.00	24.90	23.73	1.31	-0.08	0.855	1.12
	WCDMA II	RMC12.2K	Rear Face	15	9538			w/	w/o	-	1.00	24.90	23.68	1.32	-0.08	0.836	1.10
	WCDMA V	RMC12.2K	Front Face	15	4182			w/	w/o	-	1.00	24.90	24.13	1.19	0.17	0.211	0.25
14	WCDMA V	RMC12.2K	Rear Face	15	4182			w/	w/o	-	1.00	24.90	24.13	1.19	-0.02	0.479	0.57
	WCDMA V	RMC12.2K	Rear Face	15	4132			w/	w/o	-	1.00	24.90	24.12	1.20	0.03	0.448	0.54
	WCDMA V	RMC12.2K	Rear Face	15	4233			w/	w/o	-	1.00	24.90	23.90	1.26	0.11	0.421	0.53
	WCDMA V	RMC12.2K	Rear Face	15	4182			w/o	w/o	-	1.00	24.90	24.13	1.19	0.1	0.46	0.55
	LTE 2	QPSK20M	Front Face	15	18900	1	0	w/	w/o	-	1.00	24.90	24.05	1.22	-0.19	0.188	0.23
	LTE 2	QPSK20M	Rear Face	15	18900	1	0	w/	w/o	-	1.00	24.90	24.05	1.22	0.15	0.854	1.04
	LTE 2	QPSK20M	Front Face	15	18900	50	0	w/	w/o	-	1.00	23.90	23.03	1.22	-0.19	0.162	0.20
	LTE 2	QPSK20M	Rear Face	15	18900	50	0	w/	w/o	-	1.00	23.90	23.03	1.22	0.08	0.730	0.89
	LTE 2	QPSK20M	Rear Face	15	18900	100	0	w/	w/o	-	1.00	23.90	22.97	1.24	0.02	0.620	0.77
	LTE 2	QPSK20M	Rear Face	15	18700	1	0	w/	w/o	-	1.00	24.90	24.01	1.23	0.03	0.756	0.93
15	LTE 2	QPSK20M	Rear Face	15	19100	1	0	w/	w/o	-	1.00	24.90	23.96	1.24	-0.03	0.863	1.07
	LTE 2	QPSK20M	Rear Face	15	18700	50	0	w/	w/o	-	1.00	23.90	22.99	1.23	0.14	0.621	0.76
	LTE 2	QPSK20M	Rear Face	15	19100	50	0	w/	w/o	-	1.00	23.90	22.94	1.25	-0.09	0.587	0.73
	LTE 2	QPSK20M	Rear Face	15	19100	1	0	w/o	w/o	-	1.00	24.90	23.96	1.24	0.16	0.858	1.06
	LTE 2	QPSK20M	Rear Face	15	18700	1	0	w/o	w/o	-	1.00	24.90	24.01	1.23	-0.1	0.652	0.80
	LTE 2	QPSK20M	Rear Face	15	18900	1	0	w/o	w/o	-	1.00	24.90	24.05	1.22	0.09	0.771	0.94
	LTE 2	QPSK20M	Rear Face	15	19100	1	0	w/	w/o	-	1.00	24.90	23.96	1.24	0.05	0.848	1.05
	LTE 4	QPSK20M	Front Face	15	20175	1	0	w/	w/o	-	1.00	24.90	23.88	1.26	-0.14	0.195	0.25
	LTE 4	QPSK20M	Rear Face	15	20175	1	0	w/	w/o	-	1.00	24.90	23.88	1.26	-0.18	0.566	0.71
	LTE 4	QPSK20M	Front Face	15	20175	50	0	w/	w/o	-	1.00	23.90	22.79	1.29	-0.08	0.167	0.22
	LTE 4	QPSK20M	Rear Face	15	20175	50	0	w/	w/o	-	1.00	23.90	22.79	1.29	0.08	0.502	0.65
16	LTE 4	QPSK20M	Rear Face	15	20050	1	0	w/	w/o	-	1.00	24.90	23.76	1.30	-0.06	0.586	0.76
	LTE 4	QPSK20M	Rear Face	15	20300	1	0	w/	w/o	-	1.00	24.90	23.69	1.32	-0.18	0.571	0.75
	LTE 4	QPSK20M	Rear Face	15	20050	1	0	w/o	w/o	-	1.00	24.90	23.76	1.30	0.04	0.58	0.75
	LTE 5	QPSK10M	Front Face	15	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	-0.03	0.266	0.36
	LTE 5	QPSK10M	Rear Face	15	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	0.11	0.595	0.80
	LTE 5	QPSK10M	Front Face	15	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	-0.12	0.213	0.29
	LTE 5	QPSK10M	Rear Face	15	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	0.13	0.481	0.64
	LTE 5	QPSK10M	Rear Face	15	20525	50	0	w/	w/o	-	1.00	24.40	23.08	1.36	0.11	0.477	0.65
	LTE 5	QPSK10M	Rear Face	15	20450	1	0	w/	w/o	-	1.00	25.40	24.03	1.37	-0.15	0.563	0.77
17	LTE 5	QPSK10M	Rear Face	15	20600	1	0	w/	w/o	-	1.00	25.40	23.95	1.40	-0.05	0.602	0.84
	LTE 5	QPSK10M	Rear Face	15	20600	1	0	w/o	w/o	-	1.00	25.40	23.95	1.40	0.02	0.559	0.78

Body SAR Test Result

System & Position								DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Camera	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 12	QPSK10M	Front Face	15	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	-0.17	0.125	0.19
	LTE 12	QPSK10M	Rear Face	15	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	0.12	0.306	0.46
	LTE 12	QPSK10M	Front Face	15	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	0.05	0.116	0.17
	LTE 12	QPSK10M	Rear Face	15	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	0.15	0.269	0.40
	LTE 12	QPSK10M	Rear Face	15	23060	1	0	w/	w/o	-	1.00	24.90	23.11	1.51	-0.14	0.288	0.43
18	LTE 12	QPSK10M	Rear Face	15	23130	1	0	w/	w/o	-	1.00	24.90	23.09	1.52	-0.19	0.321	0.49
	LTE 12	QPSK10M	Rear Face	15	23130	1	0	w/o	w/o	-	1.00	24.90	23.09	1.52	0.17	0.304	0.46
	LTE 13	QPSK10M	Front Face	15	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	0.02	0.155	0.20
19	LTE 13	QPSK10M	Rear Face	15	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	0.02	0.343	0.44
	LTE 13	QPSK10M	Front Face	15	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	0.19	0.122	0.16
	LTE 13	QPSK10M	Rear Face	15	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	0.12	0.267	0.34
	LTE 13	QPSK10M	Rear Face	15	23230	1	0	w/o	w/o	-	1.00	24.40	23.34	1.28	-0.07	0.339	0.43
	WLAN2.4G	802.11b	Front Face	15	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	0	<0.001	0.00
20	WLAN2.4G	802.11b	Rear Face	15	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	0.02	0.183	0.19
	WLAN2.4G	802.11b	Rear Face	15	1			w/	w/o	96.10	1.04	19.20	18.86	1.08	-0.13	0.160	0.18
	WLAN2.4G	802.11b	Rear Face	15	11			w/	w/o	96.10	1.04	19.20	19.14	1.01	0.07	0.169	0.18
	WLAN2.4G	802.11b	Rear Face	15	6			w/o	w/o	96.10	1.04	19.20	19.16	1.01	0.17	0.175	0.18
	WLAN5.3G	802.11a	Front Face	15	56			w/	w/o	95.40	1.05	15.70	15.49	1.05	-0.08	0.079	0.09
21	WLAN5.3G	802.11a	Rear Face	15	56			w/	w/o	95.40	1.05	15.70	15.49	1.05	0.14	0.114	0.13
	WLAN5.3G	802.11a	Rear Face	15	52			w/	w/o	95.40	1.05	15.70	15.44	1.06	-0.08	0.096	0.11
	WLAN5.3G	802.11a	Rear Face	15	60			w/	w/o	95.40	1.05	15.70	15.41	1.07	0.11	0.101	0.11
	WLAN5.3G	802.11a	Rear Face	15	64			w/	w/o	95.40	1.05	14.20	14.02	1.04	-0.08	0.071	0.08
	WLAN5.3G	802.11a	Rear Face	15	56			w/o	w/o	95.40	1.05	15.70	15.49	1.05	0.19	0.109	0.12
	WLAN5.6G	802.11a	Front Face	15	116			w/	w/o	95.40	1.05	15.70	15.62	1.02	-0.01	0.05	0.05
	WLAN5.6G	802.11a	Rear Face	15	116			w/	w/o	95.40	1.05	15.70	15.62	1.02	-0.19	0.113	0.12
	WLAN5.6G	802.11a	Rear Face	15	100			w/	w/o	95.40	1.05	13.20	13.19	1.00	-0.02	0.072	0.08
	WLAN5.6G	802.11a	Rear Face	15	120			w/	w/o	95.40	1.05	15.70	15.58	1.03	-0.12	0.115	0.12
	WLAN5.6G	802.11a	Rear Face	15	124			w/	w/o	95.40	1.05	15.70	15.54	1.04	-0.1	0.112	0.12
22	WLAN5.6G	802.11a	Rear Face	15	132			w/	w/o	95.40	1.05	15.70	15.51	1.04	0.05	0.130	0.14
	WLAN5.6G	802.11a	Rear Face	15	140			w/	w/o	95.40	1.05	13.20	12.87	1.08	-0.02	0.081	0.09
	WLAN5.6G	802.11a	Rear Face	15	144			w/	w/o	95.40	1.05	13.20	12.83	1.09	-0.11	0.065	0.07
	WLAN5.6G	802.11a	Rear Face	15	132			w/o	w/o	95.40	1.05	15.70	15.51	1.04	-0.11	0.103	0.11

Body SAR Test Result

System & Position								DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Camera	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN5.8G	802.11a	Front Face	15	157			w/	w/o	95.40	1.05	15.70	15.50	1.05	0.13	0.038	0.04
	WLAN5.8G	802.11a	Rear Face	15	157			w/	w/o	95.40	1.05	15.70	15.50	1.05	0.1	0.099	0.11
	WLAN5.8G	802.11a	Rear Face	15	149			w/	w/o	95.40	1.05	13.20	12.86	1.08	0.05	0.054	0.06
23	WLAN5.8G	802.11a	Rear Face	15	153			w/	w/o	95.40	1.05	15.70	15.41	1.07	-0.07	0.107	0.12
	WLAN5.8G	802.11a	Rear Face	15	161			w/	w/o	95.40	1.05	15.70	15.42	1.07	-0.17	0.089	0.10
	WLAN5.8G	802.11a	Rear Face	15	165			w/	w/o	95.40	1.05	13.20	12.99	1.05	0.01	0.046	0.05
	WLAN5.8G	802.11a	Rear Face	15	153			w/o	w/o	95.40	1.05	15.70	15.41	1.07	0.15	0.079	0.09
	BT	BDR	Front Face	15	0			w/	w/o	76.06	1.31	12.90	10.91	1.58	0	<0.001	0.00
	BT	BDR	Rear Face	15	0			w/	w/o	76.06	1.31	12.90	10.91	1.58	0.02	0.011	0.02
	BT	BDR	Rear Face	15	39			w/	w/o	76.06	1.31	11.70	9.75	1.57	-0.17	0.00984	0.02
24	BT	BDR	Rear Face	15	78			w/	w/o	76.06	1.31	12.50	10.56	1.56	0.15	0.012	0.02
	BT	BDR	Rear Face	15	78			w/o	w/o	76.06	1.31	12.50	10.56	1.56	0	<0.001	0.00

Hotspot SAR Test Result

System & Position								DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Camera	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WCDMA II	RMC12.2K	Front Face	10	9400			w/	w/	-	1.00	22.40	21.78	1.15	0.03	0.200	0.23
	WCDMA II	RMC12.2K	Rear Face	10	9400			w/	w/	-	1.00	22.40	21.78	1.15	0.06	0.956	1.10
	WCDMA II	RMC12.2K	Left Side	10	9400			w/	w/	-	1.00	22.40	21.78	1.15	-0.05	0.401	0.46
	WCDMA II	RMC12.2K	Right Side	10	9400			w/	w/	-	1.00	22.40	21.78	1.15	0.01	0.078	0.09
	WCDMA II	RMC12.2K	Top Side	10	9400			w/	w/	-	1.00	22.40	21.78	1.15	-0.07	0.048	0.06
	WCDMA II	RMC12.2K	Bottom Side	10	9400			w/	w/	-	1.00	22.40	21.78	1.15	0.12	0.145	0.17
	WCDMA II	RMC12.2K	Rear Face	10	9262			w/	w/	-	1.00	22.40	21.72	1.17	-0.17	0.826	0.97
25	WCDMA II	RMC12.2K	Rear Face	10	9538			w/	w/	-	1.00	22.40	21.75	1.16	0.12	1.000	1.16
	WCDMA II	RMC12.2K	Rear Face	10	9538			w/o	w/	-	1.00	22.40	21.75	1.16	0.08	0.834	0.97
	WCDMA II	RMC12.2K	Rear Face	10	9262			w/o	w/	-	1.00	22.40	21.72	1.17	-0.06	0.721	0.84
	WCDMA II	RMC12.2K	Rear Face	10	9400			w/o	w/	-	1.00	22.40	21.78	1.15	-0.17	0.806	0.93
	WCDMA II	RMC12.2K	Rear Face	10	9538			w/	w/	-	1.00	22.40	21.75	1.16	-0.03	0.992	1.15
	WCDMA V	RMC12.2K	Front Face	10	4182			w/	w/o	-	1.00	24.90	24.13	1.19	0.01	0.277	0.33
	WCDMA V	RMC12.2K	Rear Face	10	4182			w/	w/o	-	1.00	24.90	24.13	1.19	0.05	0.654	0.78
	WCDMA V	RMC12.2K	Left Side	10	4182			w/	w/o	-	1.00	24.90	24.13	1.19	-0.08	0.328	0.39
	WCDMA V	RMC12.2K	Right Side	10	4182			w/	w/o	-	1.00	24.90	24.13	1.19	0.17	0.229	0.27
	WCDMA V	RMC12.2K	Top Side	10	4182			w/	w/o	-	1.00	24.90	24.13	1.19	0	<0.001	0.00
	WCDMA V	RMC12.2K	Bottom Side	10	4182			w/	w/o	-	1.00	24.90	24.13	1.19	0.01	0.097	0.12
26	WCDMA V	RMC12.2K	Rear Face	10	4132			w/	w/o	-	1.00	24.90	24.12	1.20	0.05	0.694	0.83
	WCDMA V	RMC12.2K	Rear Face	10	4233			w/	w/o	-	1.00	24.90	23.90	1.26	-0.1	0.646	0.81
	WCDMA V	RMC12.2K	Rear Face	10	4132			w/o	w/o	-	1.00	24.90	24.12	1.20	0.05	0.657	0.79
	LTE 2	QPSK20M	Front Face	10	18900	1	0	w/	w/	-	1.00	22.40	21.52	1.22	-0.01	0.183	0.22
	LTE 2	QPSK20M	Rear Face	10	18900	1	0	w/	w/	-	1.00	22.40	21.52	1.22	-0.15	0.872	1.06
	LTE 2	QPSK20M	Left Side	10	18900	1	0	w/	w/	-	1.00	22.40	21.52	1.22	-0.01	0.336	0.41
	LTE 2	QPSK20M	Right Side	10	18900	1	0	w/	w/	-	1.00	22.40	21.52	1.22	0.11	0.065	0.08
	LTE 2	QPSK20M	Top Side	10	18900	1	0	w/	w/	-	1.00	22.40	21.52	1.22	0	<0.001	0.00
	LTE 2	QPSK20M	Bottom Side	10	18900	1	0	w/	w/	-	1.00	22.40	21.52	1.22	0.07	0.131	0.16
	LTE 2	QPSK20M	Front Face	10	18900	50	0	w/	w/	-	1.00	21.40	20.54	1.22	0.15	0.160	0.20
	LTE 2	QPSK20M	Rear Face	10	18900	50	0	w/	w/	-	1.00	21.40	20.54	1.22	0.01	0.750	0.92
	LTE 2	QPSK20M	Left Side	10	18900	50	0	w/	w/	-	1.00	21.40	20.54	1.22	-0.1	0.292	0.36
	LTE 2	QPSK20M	Right Side	10	18900	50	0	w/	w/	-	1.00	21.40	20.54	1.22	-0.03	0.065	0.08
	LTE 2	QPSK20M	Top Side	10	18900	50	0	w/	w/	-	1.00	21.40	20.54	1.22	0	<0.001	0.00
	LTE 2	QPSK20M	Bottom Side	10	18900	50	0	w/	w/	-	1.00	21.40	20.54	1.22	-0.14	0.110	0.13
	LTE 2	QPSK20M	Rear Face	10	18900	100	0	w/	w/	-	1.00	21.40	20.51	1.23	0.18	0.609	0.75
	LTE 2	QPSK20M	Rear Face	10	18700	1	0	w/	w/	-	1.00	22.40	21.48	1.24	-0.01	0.788	0.98
27	LTE 2	QPSK20M	Rear Face	10	19100	1	0	w/	w/	-	1.00	22.40	21.45	1.24	-0.01	0.918	1.14
	LTE 2	QPSK20M	Rear Face	10	18700	50	0	w/	w/	-	1.00	21.40	20.51	1.23	-0.15	0.681	0.84
	LTE 2	QPSK20M	Rear Face	10	19100	50	0	w/	w/	-	1.00	21.40	20.48	1.24	-0.03	0.798	0.99
	LTE 2	QPSK20M	Rear Face	10	19100	1	0	w/o	w/	-	1.00	22.40	21.45	1.24	-0.07	0.791	0.98
	LTE 2	QPSK20M	Rear Face	10	18700	1	0	w/o	w/	-	1.00	22.40	21.48	1.24	0.05	0.717	0.89
	LTE 2	QPSK20M	Rear Face	10	18900	1	0	w/o	w/	-	1.00	22.40	21.52	1.22	-0.11	0.703	0.86
	LTE 2	QPSK20M	Rear Face	10	19100	1	0	w/	w/	-	1.00	22.40	21.45	1.24	-0.08	0.910	1.13

Hotspot SAR Test Result

System & Position								DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Camera	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 4	QPSK20M	Front Face	10	20175	1	0	w/	w/	-	1.00	22.40	21.76	1.16	0.02	0.251	0.29
	LTE 4	QPSK20M	Rear Face	10	20175	1	0	w/	w/	-	1.00	22.40	21.76	1.16	0.01	0.746	0.87
	LTE 4	QPSK20M	Left Side	10	20175	1	0	w/	w/	-	1.00	22.40	21.76	1.16	-0.14	0.382	0.44
	LTE 4	QPSK20M	Right Side	10	20175	1	0	w/	w/	-	1.00	22.40	21.76	1.16	0.03	0.089	0.10
	LTE 4	QPSK20M	Top Side	10	20175	1	0	w/	w/	-	1.00	22.40	21.76	1.16	-0.13	0.107	0.12
	LTE 4	QPSK20M	Bottom Side	10	20175	1	0	w/	w/	-	1.00	22.40	21.76	1.16	0.17	0.166	0.19
	LTE 4	QPSK20M	Front Face	10	20175	50	0	w/	w/	-	1.00	21.40	20.69	1.18	0.01	0.202	0.24
	LTE 4	QPSK20M	Rear Face	10	20175	50	0	w/	w/	-	1.00	21.40	20.69	1.18	-0.06	0.640	0.76
	LTE 4	QPSK20M	Left Side	10	20175	50	0	w/	w/	-	1.00	21.40	20.69	1.18	-0.08	0.329	0.39
	LTE 4	QPSK20M	Right Side	10	20175	50	0	w/	w/	-	1.00	21.40	20.69	1.18	0.15	0.055	0.06
	LTE 4	QPSK20M	Top Side	10	20175	50	0	w/	w/	-	1.00	21.40	20.69	1.18	0.05	0.094	0.11
	LTE 4	QPSK20M	Bottom Side	10	20175	50	0	w/	w/	-	1.00	21.40	20.69	1.18	-0.04	0.126	0.15
	LTE 4	QPSK20M	Rear Face	10	20175	100	0	w/	w/	-	1.00	21.40	20.55	1.22	0.15	0.618	0.75
28	LTE 4	QPSK20M	Rear Face	10	20050	1	0	w/	w/	-	1.00	22.40	21.70	1.17	-0.08	0.777	0.91
	LTE 4	QPSK20M	Rear Face	10	20300	1	0	w/	w/	-	1.00	22.40	21.61	1.20	0.13	0.727	0.87
	LTE 4	QPSK20M	Rear Face	10	20050	1	0	w/o	w/	-	1.00	22.40	21.70	1.17	-0.03	0.634	0.74
	LTE 5	QPSK10M	Front Face	10	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	0.02	0.316	0.42
29	LTE 5	QPSK10M	Rear Face	10	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	0.03	0.780	1.05
	LTE 5	QPSK10M	Left Side	10	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	-0.16	0.435	0.58
	LTE 5	QPSK10M	Right Side	10	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	-0.19	0.249	0.33
	LTE 5	QPSK10M	Top Side	10	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	0	<0.001	0.00
	LTE 5	QPSK10M	Bottom Side	10	20525	1	0	w/	w/o	-	1.00	25.40	24.13	1.34	-0.17	0.103	0.14
	LTE 5	QPSK10M	Front Face	10	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	-0.08	0.252	0.34
	LTE 5	QPSK10M	Rear Face	10	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	-0.17	0.620	0.83
	LTE 5	QPSK10M	Left Side	10	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	0.07	0.353	0.47
	LTE 5	QPSK10M	Right Side	10	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	0.05	0.199	0.27
	LTE 5	QPSK10M	Top Side	10	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	0	<0.001	0.00
	LTE 5	QPSK10M	Bottom Side	10	20525	25	0	w/	w/o	-	1.00	24.40	23.12	1.34	0.05	0.080	0.11
	LTE 5	QPSK10M	Rear Face	10	20525	50	0	w/	w/o	-	1.00	24.40	23.08	1.36	-0.1	0.608	0.83
	LTE 5	QPSK10M	Rear Face	10	20450	1	0	w/	w/o	-	1.00	25.40	24.03	1.37	0.09	0.740	1.01
	LTE 5	QPSK10M	Rear Face	10	20600	1	0	w/	w/o	-	1.00	25.40	23.95	1.40	-0.01	0.745	1.04
	LTE 5	QPSK10M	Rear Face	10	20450	25	0	w/	w/o	-	1.00	24.40	23.02	1.37	0.08	0.561	0.77
	LTE 5	QPSK10M	Rear Face	10	20600	25	0	w/	w/o	-	1.00	24.40	22.94	1.40	0.03	0.543	0.76
	LTE 5	QPSK10M	Rear Face	10	20525	1	0	w/o	w/o	-	1.00	25.40	24.13	1.34	0.15	0.696	0.93
	LTE 5	QPSK10M	Rear Face	10	20450	1	0	w/o	w/o	-	1.00	25.40	24.03	1.37	0.18	0.574	0.79
	LTE 5	QPSK10M	Rear Face	10	20600	1	0	w/o	w/o	-	1.00	25.40	23.95	1.40	0.13	0.633	0.89

Hotspot SAR Test Result

System & Position								DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Camera	Power Reduction	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 12	QPSK10M	Front Face	10	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	-0.17	0.175	0.26
30	LTE 12	QPSK10M	Rear Face	10	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	-0.01	0.458	0.69
	LTE 12	QPSK10M	Left Side	10	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	0.05	0.237	0.36
	LTE 12	QPSK10M	Right Side	10	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	0.01	0.111	0.17
	LTE 12	QPSK10M	Top Side	10	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	0	<0.001	0.00
	LTE 12	QPSK10M	Bottom Side	10	23095	1	0	w/	w/o	-	1.00	24.90	23.13	1.50	0.02	0.073	0.11
	LTE 12	QPSK10M	Front Face	10	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	0.05	0.151	0.22
	LTE 12	QPSK10M	Rear Face	10	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	-0.07	0.390	0.58
	LTE 12	QPSK10M	Left Side	10	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	0.15	0.209	0.31
	LTE 12	QPSK10M	Right Side	10	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	0.08	0.096	0.14
	LTE 12	QPSK10M	Top Side	10	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	0	<0.001	0.00
	LTE 12	QPSK10M	Bottom Side	10	23095	25	0	w/	w/o	-	1.00	23.90	22.16	1.49	-0.1	0.061	0.09
	LTE 12	QPSK10M	Rear Face	10	23060	1	0	w/	w/o	-	1.00	24.90	23.11	1.51	-0.06	0.424	0.64
	LTE 12	QPSK10M	Rear Face	10	23130	1	0	w/	w/o	-	1.00	24.90	23.09	1.52	0.02	0.445	0.68
	LTE 12	QPSK10M	Rear Face	10	23095	1	0	w/o	w/o	-	1.00	24.90	23.13	1.50	0.15	0.422	0.63
	LTE 13	QPSK10M	Front Face	10	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	-0.08	0.195	0.25
31	LTE 13	QPSK10M	Rear Face	10	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	0.03	0.481	0.62
	LTE 13	QPSK10M	Left Side	10	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	-0.14	0.252	0.32
	LTE 13	QPSK10M	Right Side	10	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	-0.17	0.140	0.18
	LTE 13	QPSK10M	Top Side	10	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	0	<0.001	0.00
	LTE 13	QPSK10M	Bottom Side	10	23230	1	0	w/	w/o	-	1.00	24.40	23.34	1.28	0.17	0.093	0.12
	LTE 13	QPSK10M	Front Face	10	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	0.16	0.153	0.20
	LTE 13	QPSK10M	Rear Face	10	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	-0.18	0.373	0.48
	LTE 13	QPSK10M	Left Side	10	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	-0.03	0.195	0.25
	LTE 13	QPSK10M	Right Side	10	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	-0.02	0.113	0.14
	LTE 13	QPSK10M	Top Side	10	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	0	<0.001	0.00
	LTE 13	QPSK10M	Bottom Side	10	23230	25	0	w/	w/o	-	1.00	23.40	22.34	1.28	-0.13	0.070	0.09
	LTE 13	QPSK10M	Rear Face	10	23230	1	0	w/o	w/o	-	1.00	24.40	23.34	1.28	-0.15	0.48	0.61
	WLAN2.4G	802.11b	Front Face	10	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	-0.17	0.049	0.05
32	WLAN2.4G	802.11b	Rear Face	10	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	0.03	0.31	0.33
	WLAN2.4G	802.11b	Left Side	10	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	0.16	0.077	0.08
	WLAN2.4G	802.11b	Right Side	10	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	0.05	0.126	0.13
	WLAN2.4G	802.11b	Top Side	10	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Bottom Side	10	6			w/	w/o	96.10	1.04	19.20	19.16	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Rear Face	10	1			w/	w/o	96.10	1.04	19.20	18.86	1.08	0.08	0.267	0.30
	WLAN2.4G	802.11b	Rear Face	10	11			w/	w/o	96.10	1.04	19.20	19.14	1.01	-0.07	0.285	0.30
	WLAN2.4G	802.11b	Rear Face	10	6			w/o	w/o	96.10	1.04	19.20	19.16	1.01	0.06	0.298	0.31

Annex G. SAR Measurement Variability

SAR repeated measurement are shown as below.

Repeat SAR

Plot	Band	Mode	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio
R13	WCDMA II	RMC12.2K	Rear Face	9538	0.859	0.836	1.03
R15	LTE 2	QPSK20M	Rear Face	19100	0.863	0.848	1.02
R25	WCDMA II	RMC12.2K	Rear Face	9538	1.0	0.992	1.01
R27	LTE 2	QPSK20M	Rear Face	19100	0.918	0.910	1.01

Annex H. Analysis of Simultaneous Transmission SAR.

The analysis of simultaneous transmission SAR are shown as below.

<Possibilities of Simultaneous Transmission>

The simultaneous transmission possibilities for this device are listed as below.

Simultaneous TX Combination	Capable Transmit Configurations	Head / Body Exposure Condition	Hotspot Exposure Condition
A	WWAN + WLAN 2.4G	Yes	Yes
B	WWAN + WLAN 5G	Yes	No
C	WWAN + BT	Yes	No
D	WLAN 5G + BT	Yes	No
E	WWAN + WLAN 5G + BT	Yes	No

Notes

1. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.
2. Simultaneous TX Combination B, C and D can be covered by E
3. The BT and WLAN 2.4G cannot transmit simultaneously.

Simultaneous Transmission SAR Evaluation (Head)

Band	Position	1	2	3	4	A(1+2)	E(1+3+4)
		Max WWAN	Max WLAN 2.4GHz	Max WLAN 5GHz	BT Ant 0	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
		1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg		
WCDMA II	Right Cheek	0.57	0.04	0.05	0.00	0.61	0.62
	Right Tilted	0.12	0.00	0.03	0.00	0.12	0.15
	Left Cheek	0.36	0.05	0.06	0.00	0.41	0.42
	Left Tilted	0.18	0.00	0.03	0.00	0.18	0.21
WCDMA V	Right Cheek	0.34	0.04	0.05	0.00	0.38	0.39
	Right Tilted	0.19	0.00	0.03	0.00	0.19	0.22
	Left Cheek	0.24	0.05	0.06	0.00	0.29	0.30
	Left Tilted	0.19	0.00	0.03	0.00	0.19	0.22
LTE 2	Right Cheek	0.27	0.04	0.05	0.00	0.31	0.32
	Right Tilted	0.13	0.00	0.03	0.00	0.13	0.16
	Left Cheek	0.51	0.05	0.06	0.00	0.56	0.57
	Left Tilted	0.10	0.00	0.03	0.00	0.10	0.13
LTE 4	Right Cheek	0.40	0.04	0.05	0.00	0.44	0.45
	Right Tilted	0.17	0.00	0.03	0.00	0.17	0.20
	Left Cheek	0.75	0.05	0.06	0.00	0.80	0.81
	Left Tilted	0.17	0.00	0.03	0.00	0.17	0.20
LTE 5	Right Cheek	0.26	0.04	0.05	0.00	0.30	0.31
	Right Tilted	0.22	0.00	0.03	0.00	0.22	0.25
	Left Cheek	0.33	0.05	0.06	0.00	0.38	0.39
	Left Tilted	0.19	0.00	0.03	0.00	0.19	0.22
LTE 12	Right Cheek	0.10	0.04	0.05	0.00	0.14	0.15
	Right Tilted	0.00	0.00	0.03	0.00	0.00	0.03
	Left Cheek	0.16	0.05	0.06	0.00	0.21	0.22
	Left Tilted	0.00	0.00	0.03	0.00	0.00	0.03
LTE 13	Right Cheek	0.22	0.04	0.05	0.00	0.26	0.27
	Right Tilted	0.14	0.00	0.03	0.00	0.14	0.17
	Left Cheek	0.26	0.05	0.06	0.00	0.31	0.32
	Left Tilted	0.12	0.00	0.03	0.00	0.12	0.15

Simultaneous Transmission SAR Evaluation (Body)

Band	Position	1	2	3	4	A(1+2)	E(1+3+4)
		Max WWAN	Max WLAN 2.4GHz	Max WLAN 5GHz	BT Ant 0	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg
		1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg		
WCDMA II	Front Face	0.25	0.00	0.09	0.00	0.25	0.34
	Rear Face	1.13	0.19	0.14	0.02	1.32	1.29
WCDMA V	Front Face	0.25	0.00	0.09	0.00	0.25	0.34
	Rear Face	0.57	0.19	0.14	0.02	0.76	0.73
LTE 2	Front Face	0.23	0.00	0.09	0.00	0.23	0.32
	Rear Face	1.07	0.19	0.14	0.02	1.26	1.23
LTE 4	Front Face	0.25	0.00	0.09	0.00	0.25	0.34
	Rear Face	0.76	0.19	0.14	0.02	0.95	0.92
LTE 5	Front Face	0.36	0.00	0.09	0.00	0.36	0.45
	Rear Face	0.84	0.19	0.14	0.02	1.03	1.00
LTE 12	Front Face	0.19	0.00	0.09	0.00	0.19	0.28
	Rear Face	0.49	0.19	0.14	0.02	0.68	0.65
LTE 13	Front Face	0.20	0.00	0.09	0.00	0.20	0.29
	Rear Face	0.44	0.19	0.14	0.02	0.63	0.60

Simultaneous Transmission SAR Evaluation(Hotspot)				
Band	Position	1	2	A(1+2)
		Max WWAN	Max WLAN 2.4GHz	Summimg result
		1g SAR W/kg	1g SAR W/kg	1g SAR W/kg
WCDMA II	Front Face	0.23	0.05	0.28
	Rear Face	1.16	0.33	1.49
	Left Side	0.46	0.08	0.54
	Right Side	0.09	0.13	0.22
	Top Side	0.06	0.00	0.06
	Bottom Side	0.17	0.00	0.17
WCDMA V	Front Face	0.33	0.05	0.38
	Rear Face	0.83	0.33	1.16
	Left Side	0.39	0.08	0.47
	Right Side	0.27	0.13	0.40
	Top Side	0.00	0.00	0.00
	Bottom Side	0.12	0.00	0.12
LTE 2	Front Face	0.22	0.05	0.27
	Rear Face	1.14	0.33	1.47
	Left Side	0.41	0.08	0.49
	Right Side	0.08	0.13	0.21
	Top Side	0.00	0.00	0.00
	Bottom Side	0.16	0.00	0.16
LTE 4	Front Face	0.29	0.05	0.34
	Rear Face	0.91	0.33	1.24
	Left Side	0.44	0.08	0.52
	Right Side	0.10	0.13	0.23
	Top Side	0.12	0.00	0.12
	Bottom Side	0.19	0.00	0.19
LTE 5	Front Face	0.42	0.05	0.47
	Rear Face	1.05	0.33	1.38
	Left Side	0.58	0.08	0.66
	Right Side	0.33	0.13	0.46
	Top Side	0.00	0.00	0.00
	Bottom Side	0.14	0.00	0.14
LTE 12	Front Face	0.26	0.05	0.31
	Rear Face	0.69	0.33	1.02
	Left Side	0.36	0.08	0.44
	Right Side	0.17	0.13	0.30
	Top Side	0.00	0.00	0.00
	Bottom Side	0.11	0.00	0.11
LTE 13	Front Face	0.25	0.05	0.30
	Rear Face	0.62	0.33	0.95
	Left Side	0.32	0.08	0.40
	Right Side	0.18	0.13	0.31
	Top Side	0.00	0.00	0.00
	Bottom Side	0.12	0.00	0.12

Annex I. SAR to Peak Location Separation Ratio Analysis.

Since sum of simultaneous transmission SAR is less than the SAR limit for Body / Head : SAR_{1g} 1.6 W/kg. There is no requirement for SAR to Peak Location Separation Ratio Analysis.

Annex J. Calibration of Test Equipment List

Calibration of Test Equipment List are shown as below.

Equipment for SAR Test					
Equipment	Manufacturer	Model	SN	Cal. Date	Cal. Interval
System Validation Dipole	SPEAG	D750V3	1013	Aug. 31, 2021	1 Year
System Validation Dipole	SPEAG	D835V2	4d121	Aug. 31, 2021	1 Year
System Validation Dipole	SPEAG	D1750V2	1055	Sep. 02, 2021	1 Year
System Validation Dipole	SPEAG	D1900V2	5d036	Jan. 22, 2021	2 Year
System Validation Dipole	SPEAG	D2450V2	737	Aug. 26, 2021	1 Year
System Validation Dipole	SPEAG	D5GHzV2	1019	Mar. 19, 2021	2 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3971	Jan. 25, 2022	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1590	Sep. 20, 2021	1 Year
Universal Radio Communication Tester	Anritsu	MT8821C	6201381727	Aug. 24, 2021	1 Year
Spectrum Analyzer	R&S	FSL6	102006	Apr. 12, 2022	1 Year
Universal Wireless Test Set	Anritsu	MT8870A/MU887000A	6201699387	Sep. 22, 2021	1 Year
Thermometer	YFE	YF-160A	191100743	Apr. 15, 2022	1 Year
Dielectric Assessment Kit	SPEAG	DAKS-3.5	1151	Jul. 14, 2021	1 Year
Powersource1	SPEAG	SE_UMS_160 BA	4010	Jul. 13, 2021	1 Year

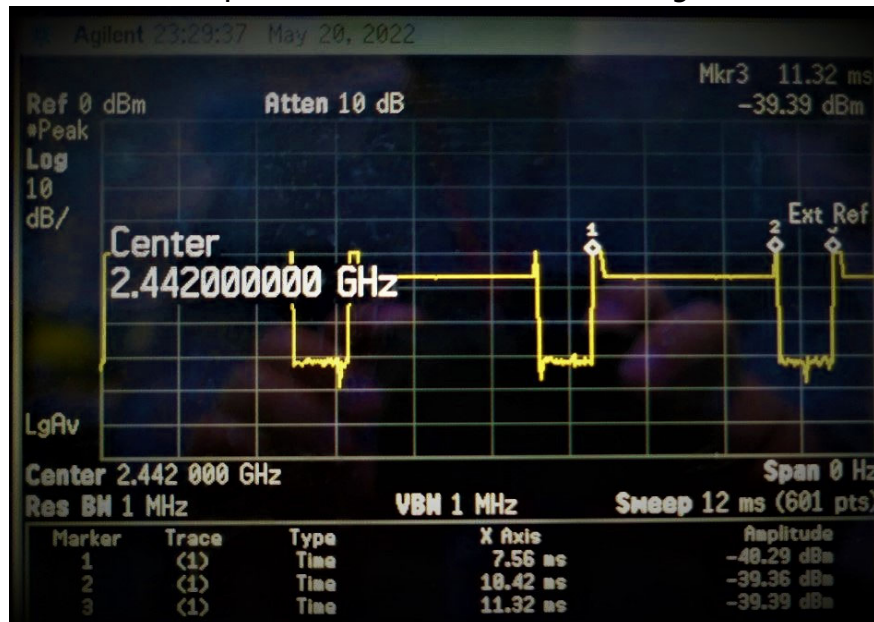
Annex K. Considerations Related to Bluetooth for Setup and Testing

This device has installed Bluetooth engineering testing software which can provide continuous transmitting RF signal. During Bluetooth SAR testing, this device was operated to transmit continuously at the maximum transmission duty with specified transmission mode, operating frequency, lowest data rate, and maximum output power.

The Bluetooth call box has been used during SAR measurement and the EUT was set to DH5 mode at the maximum output power. Its duty factor was calculated as below and the measured SAR for Bluetooth would be scaled to the 100% transmission duty factor to determine compliance.

The duty factor of Bluetooth signal are shown as below.

<Time-domain plot for Bluetooth transmission signal>



Time-domain plot for Bluetooth transmission signal

The duty factor of Bluetooth signal has been calculated as following.

$$\text{Duty Factor} = \text{Pulse Width} / \text{Total Period} = (10.42 - 7.56) / (11.32 - 7.56) = 76.06\%$$