

### 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/m<sup>3</sup>

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

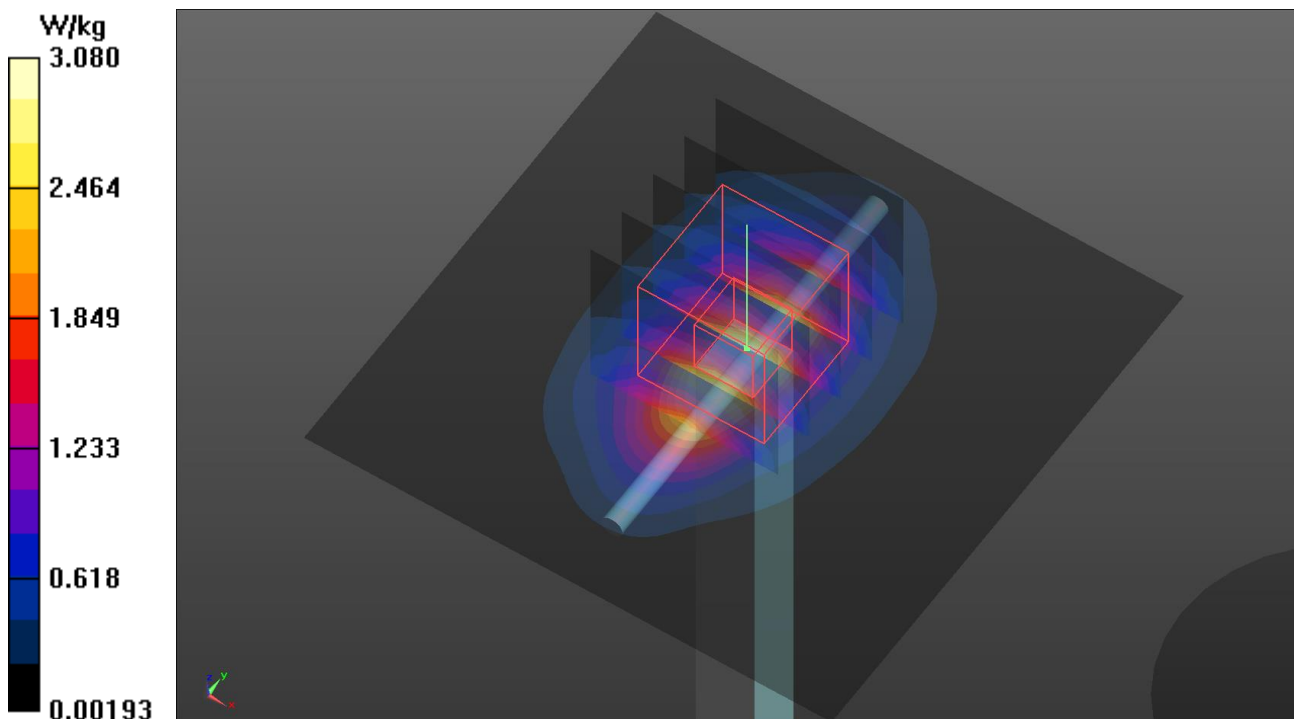
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

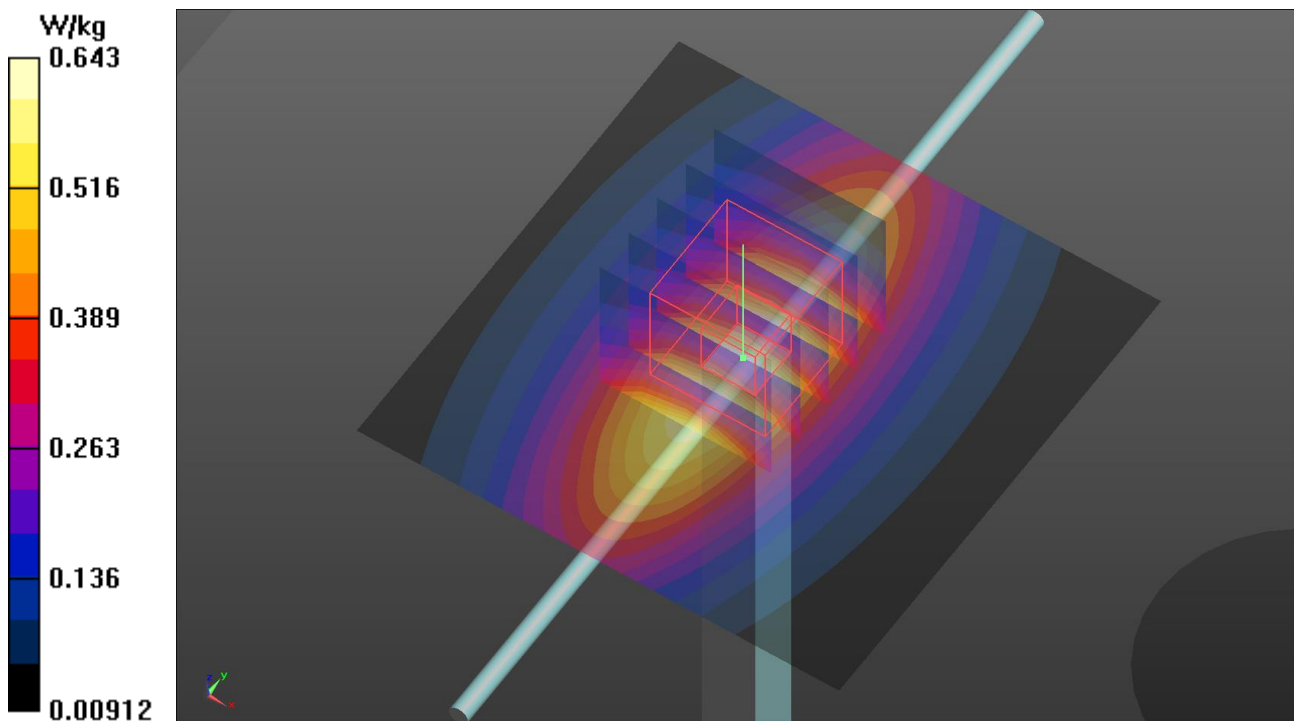
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

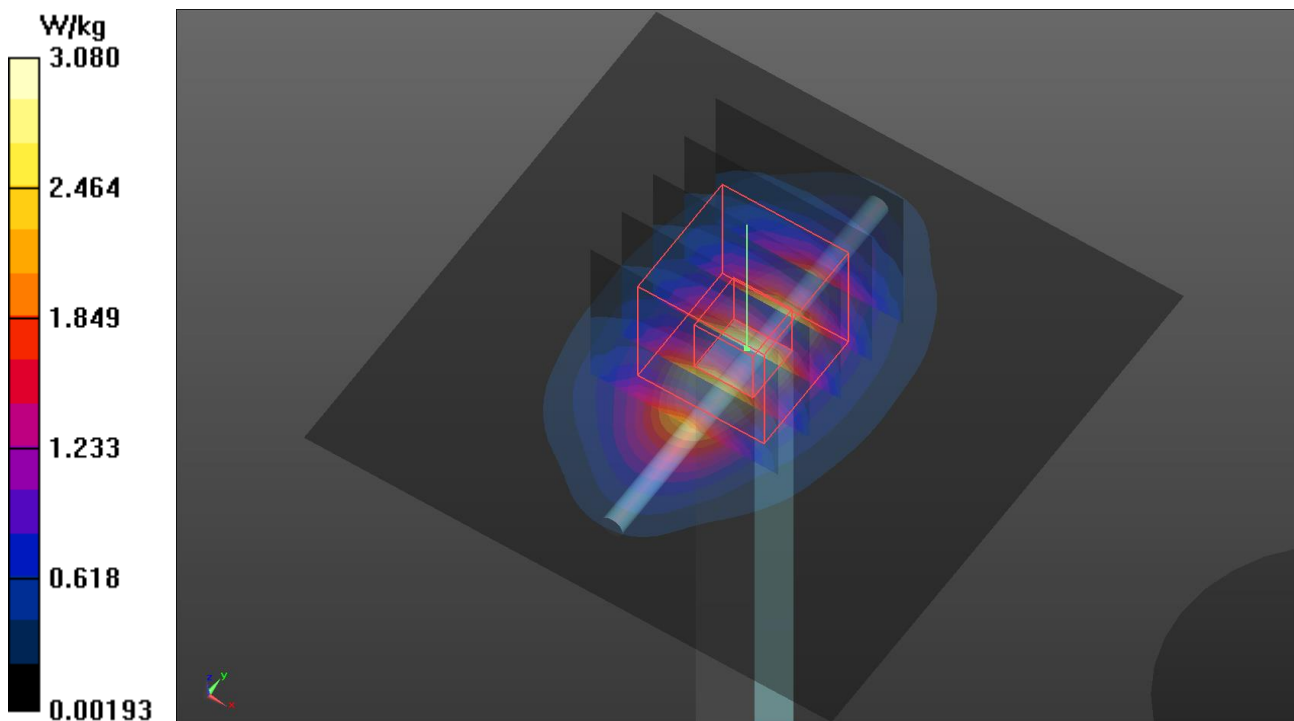
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m<sup>3</sup>

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

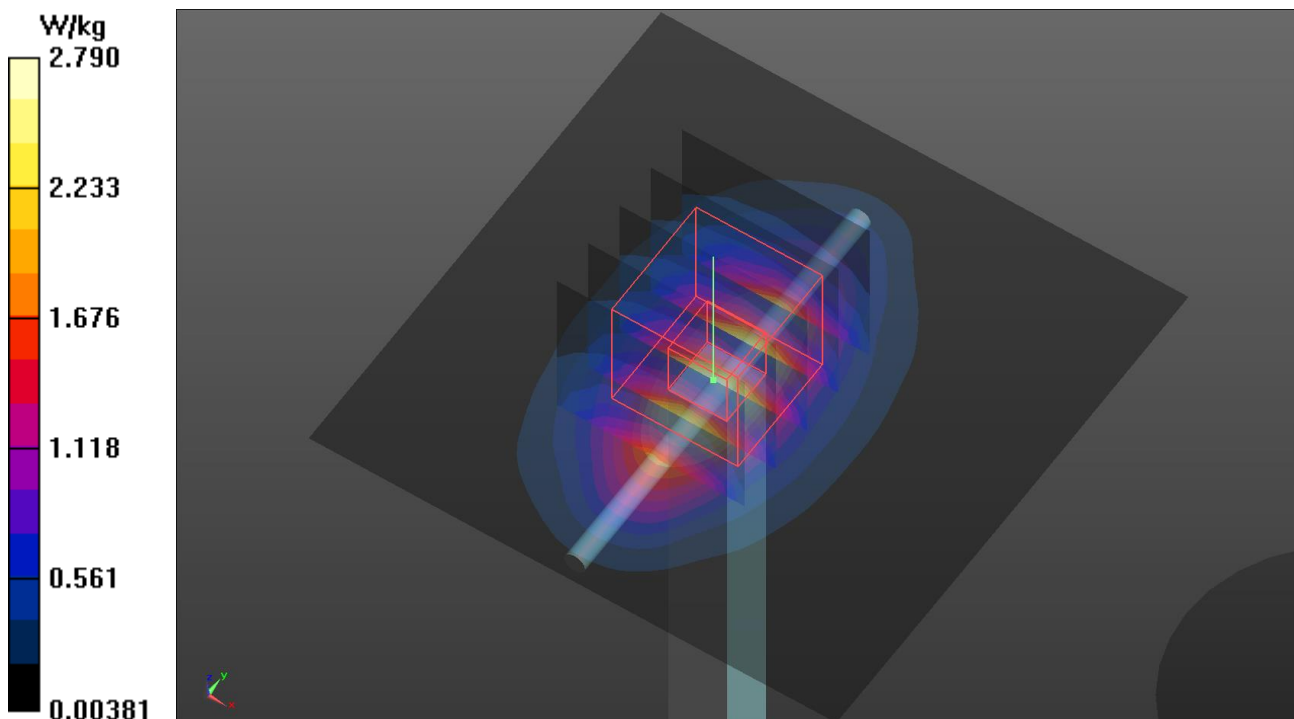
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

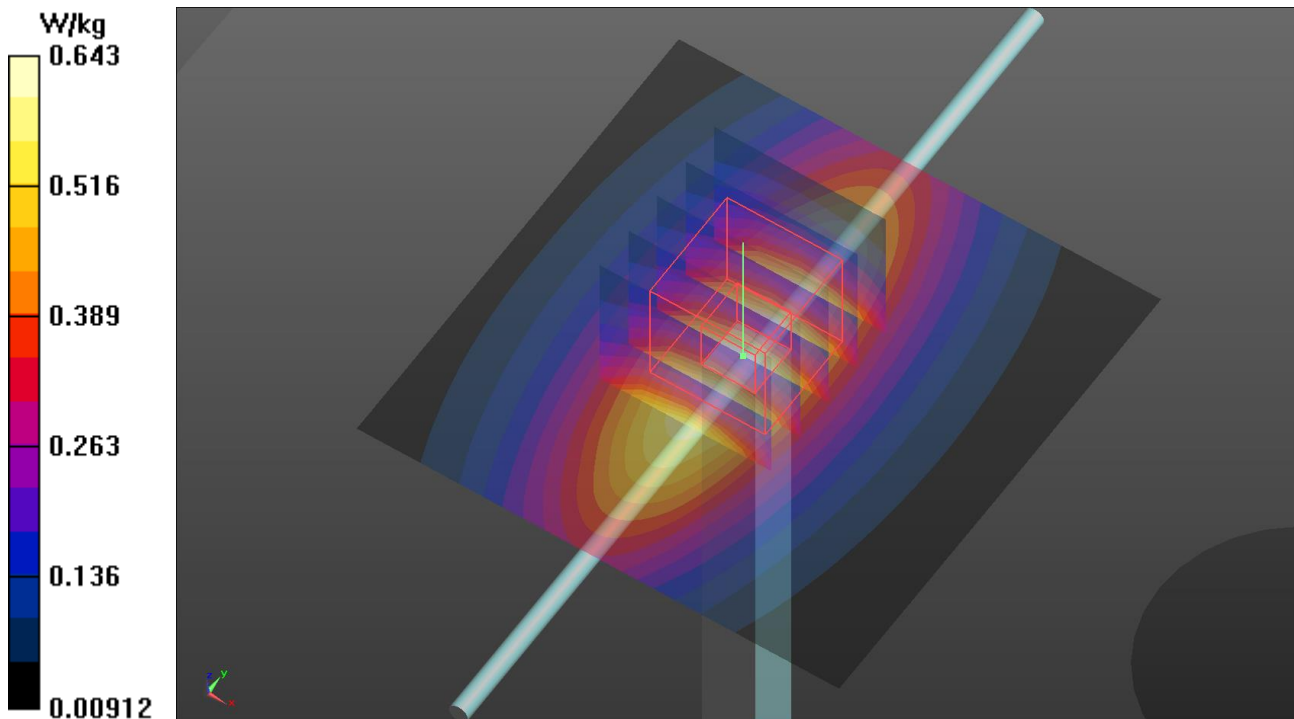
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

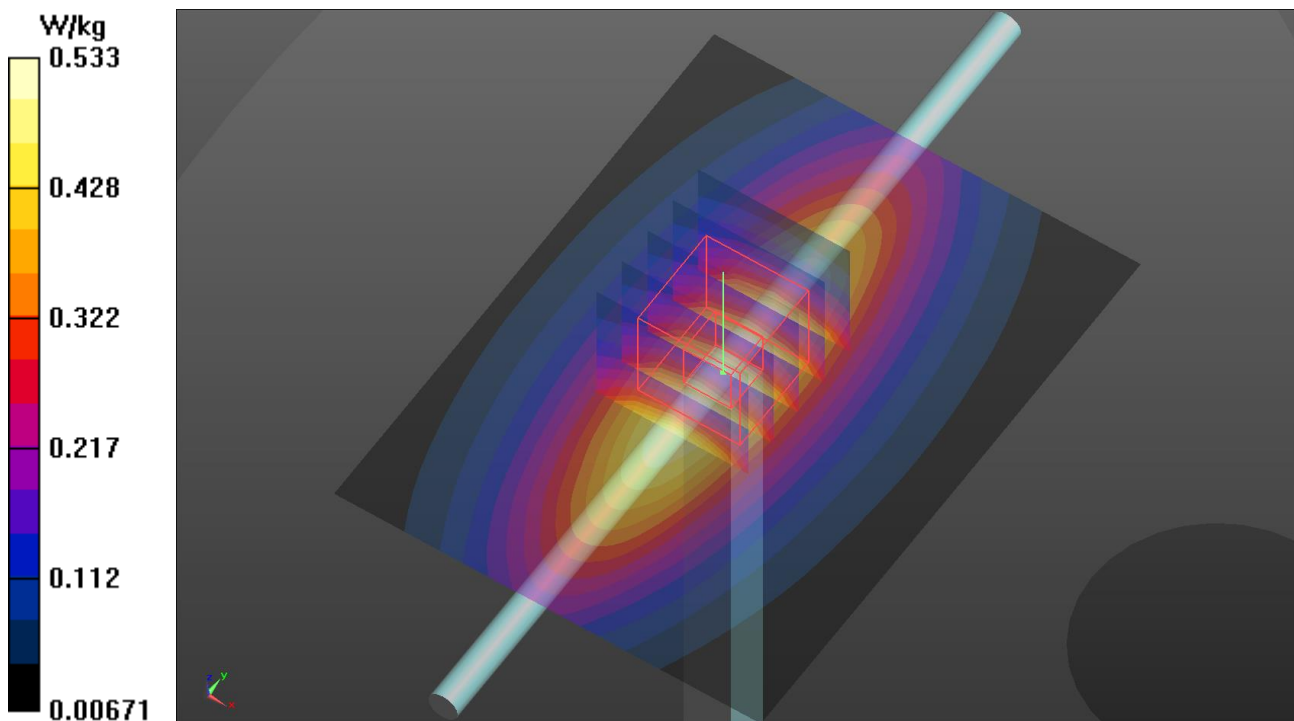
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

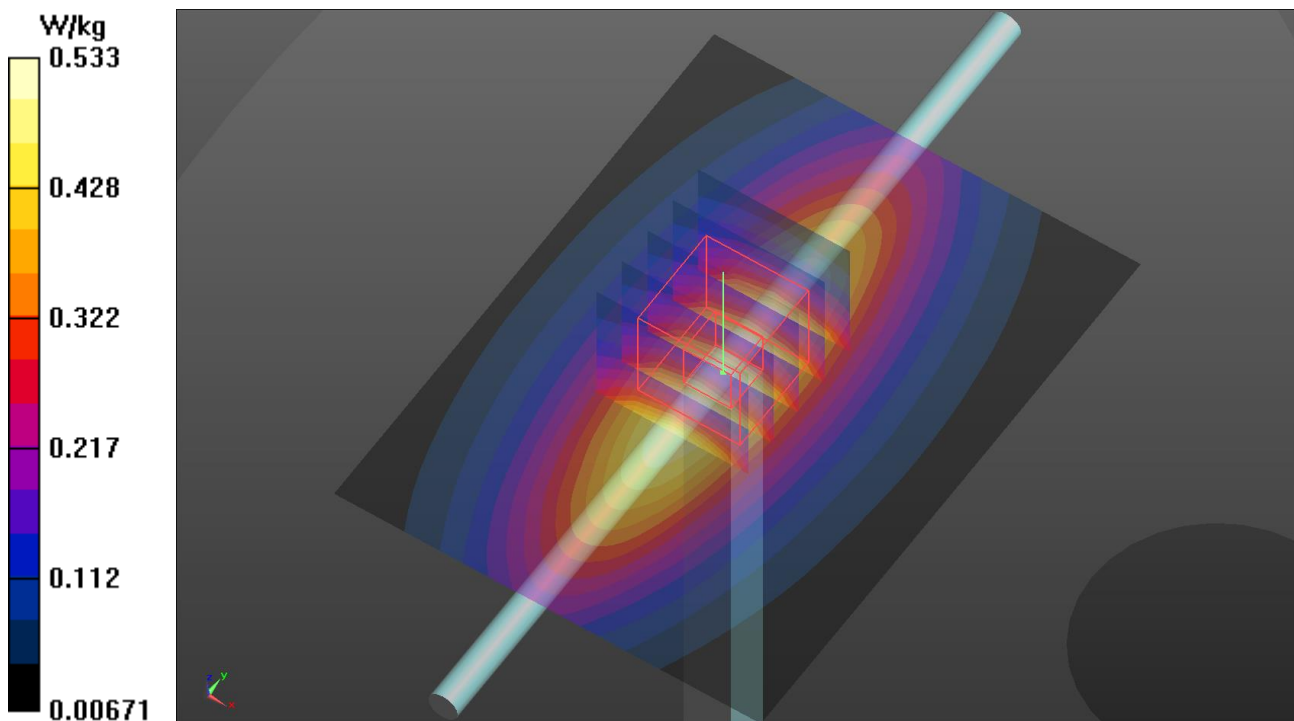
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

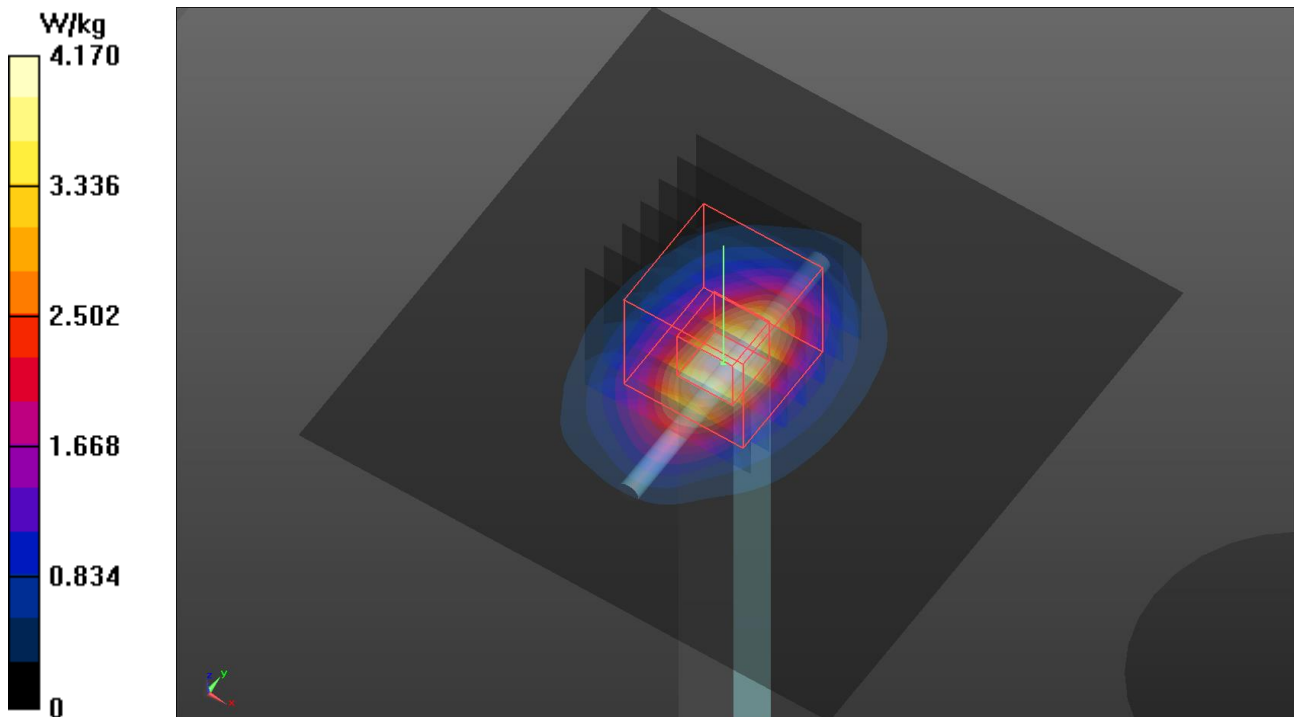
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

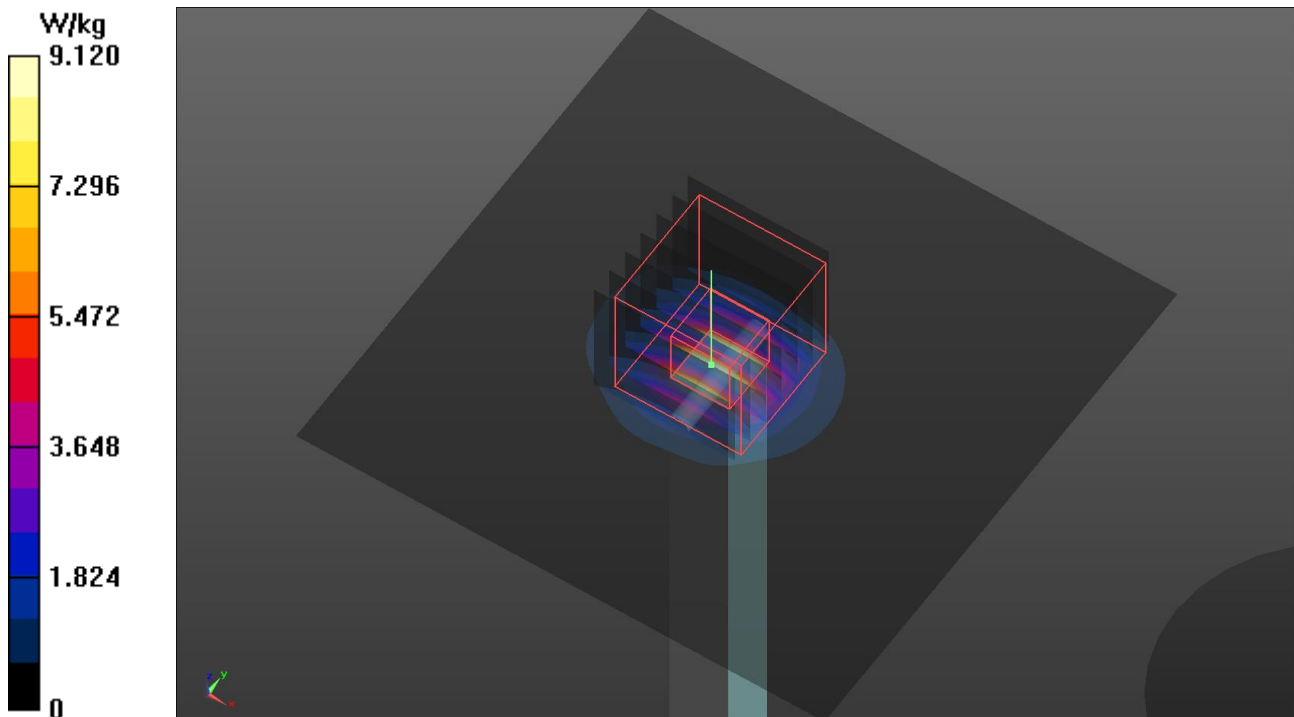
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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/m<sup>3</sup>

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

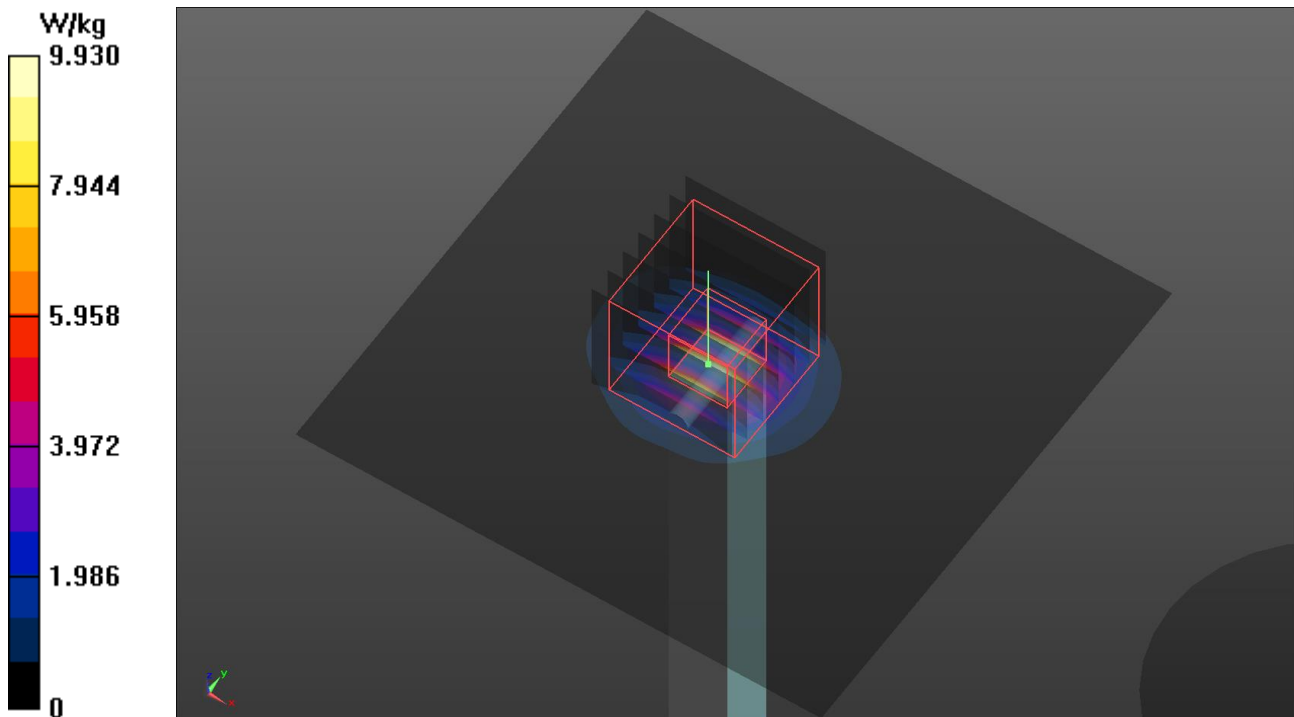
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

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/m<sup>3</sup>

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

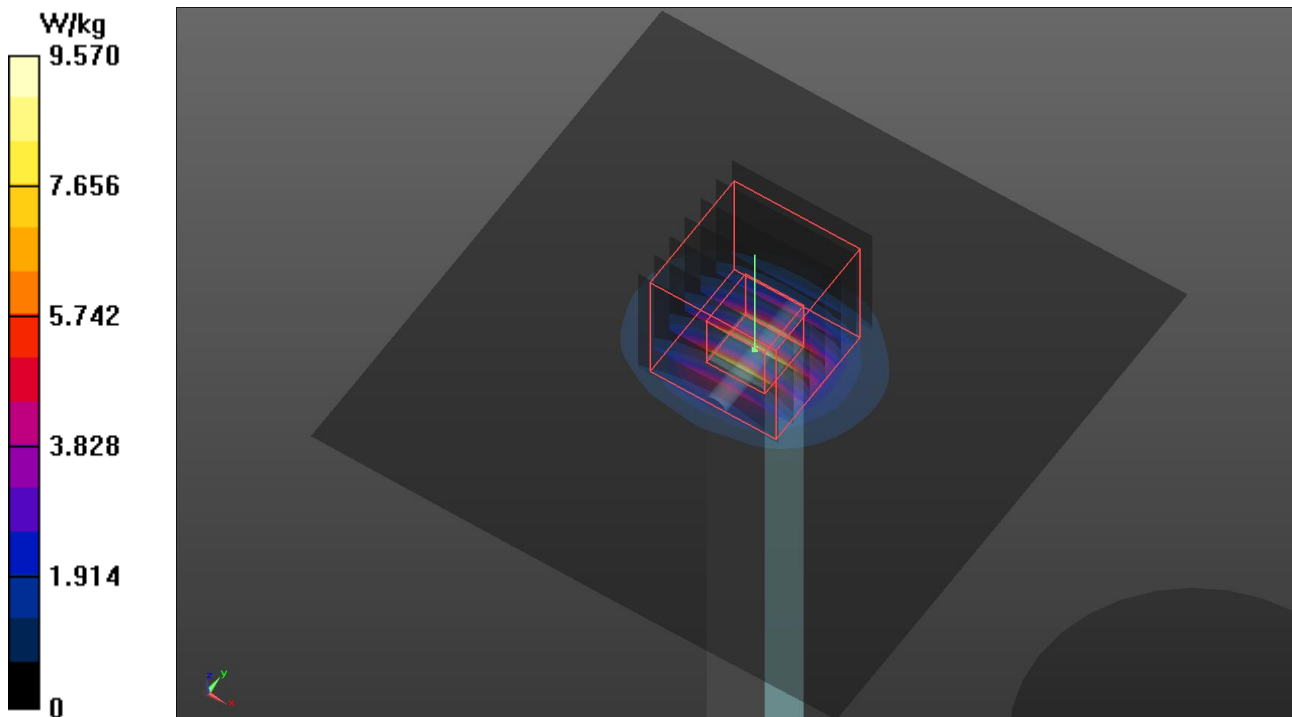
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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/m<sup>3</sup>

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

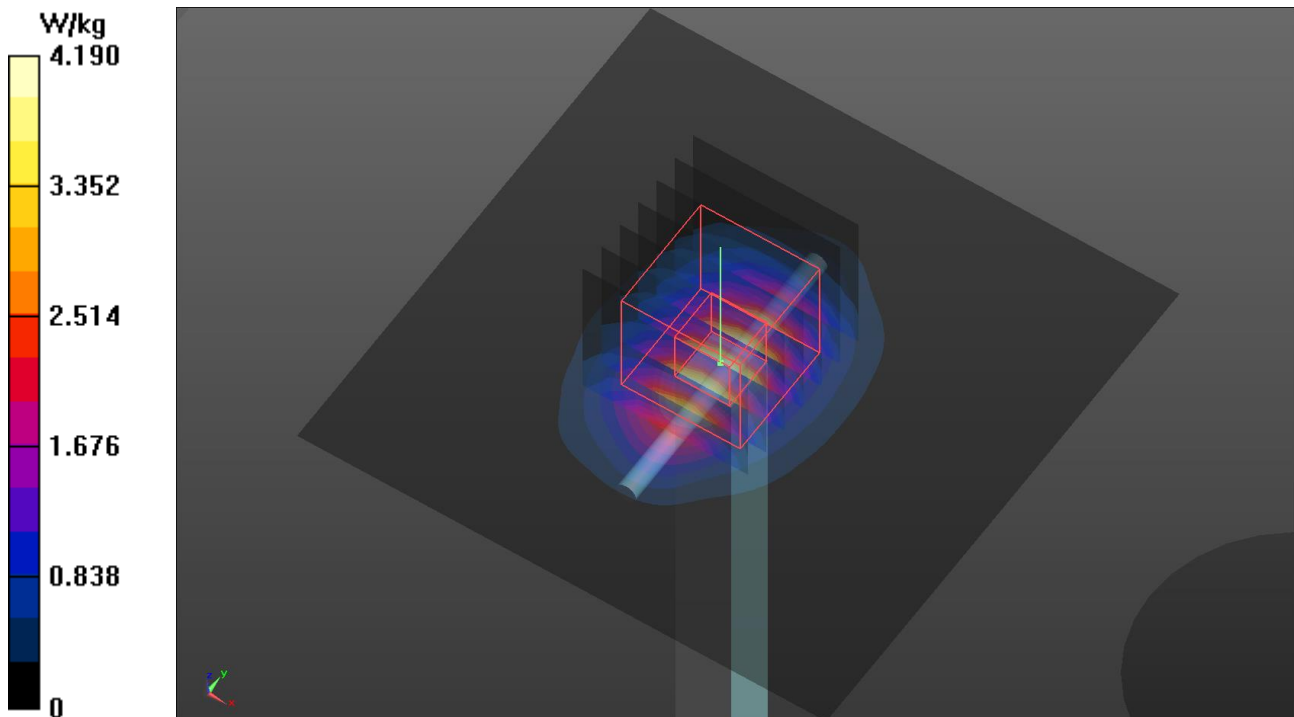
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

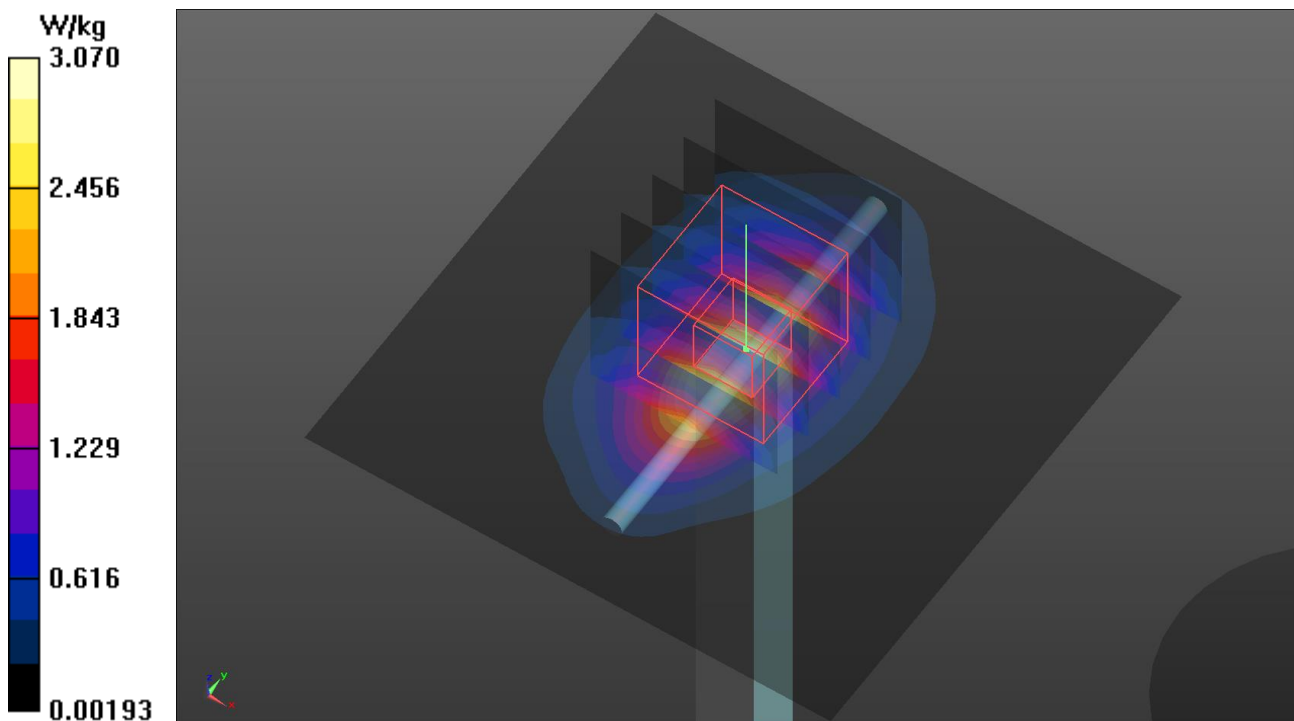
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

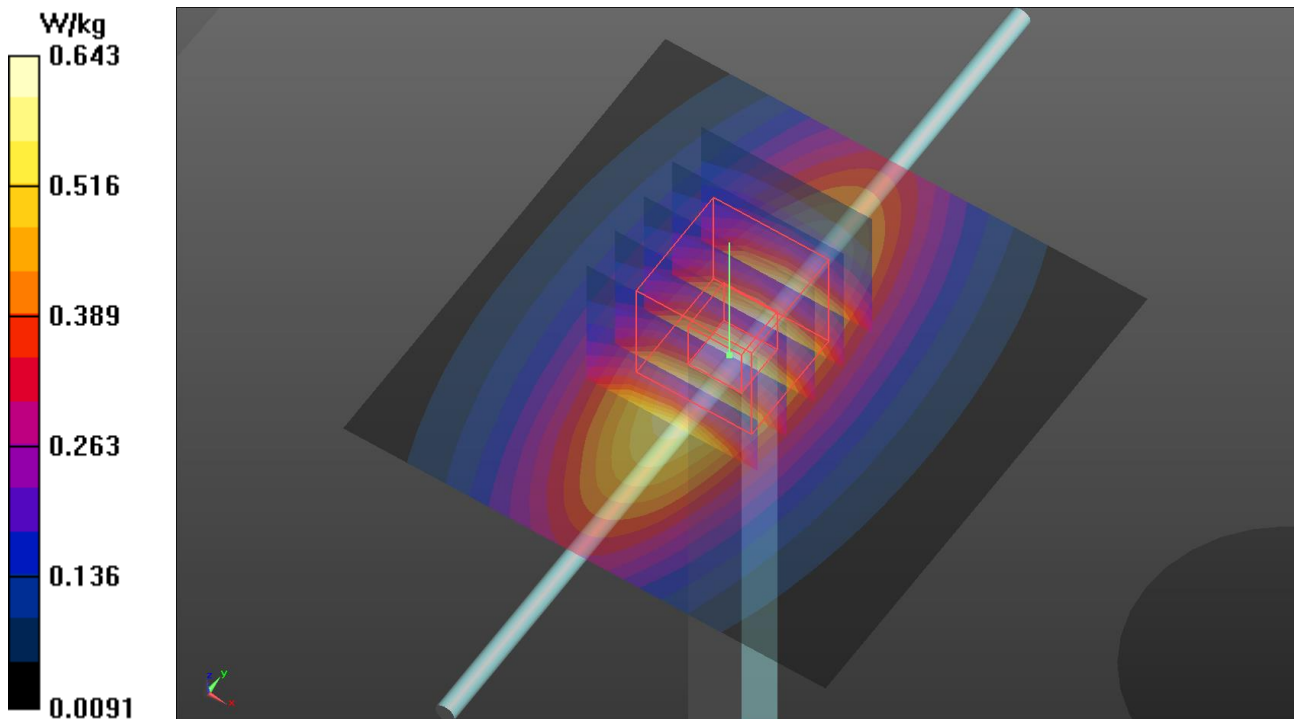
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

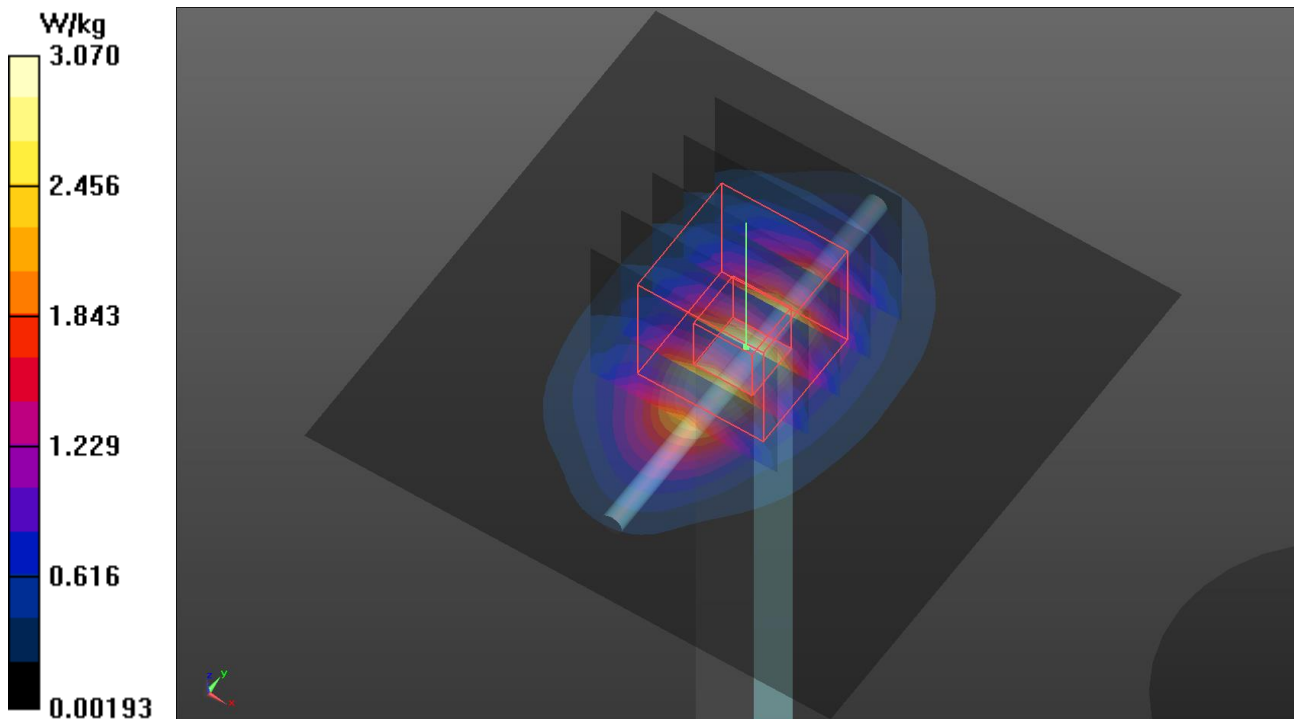
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

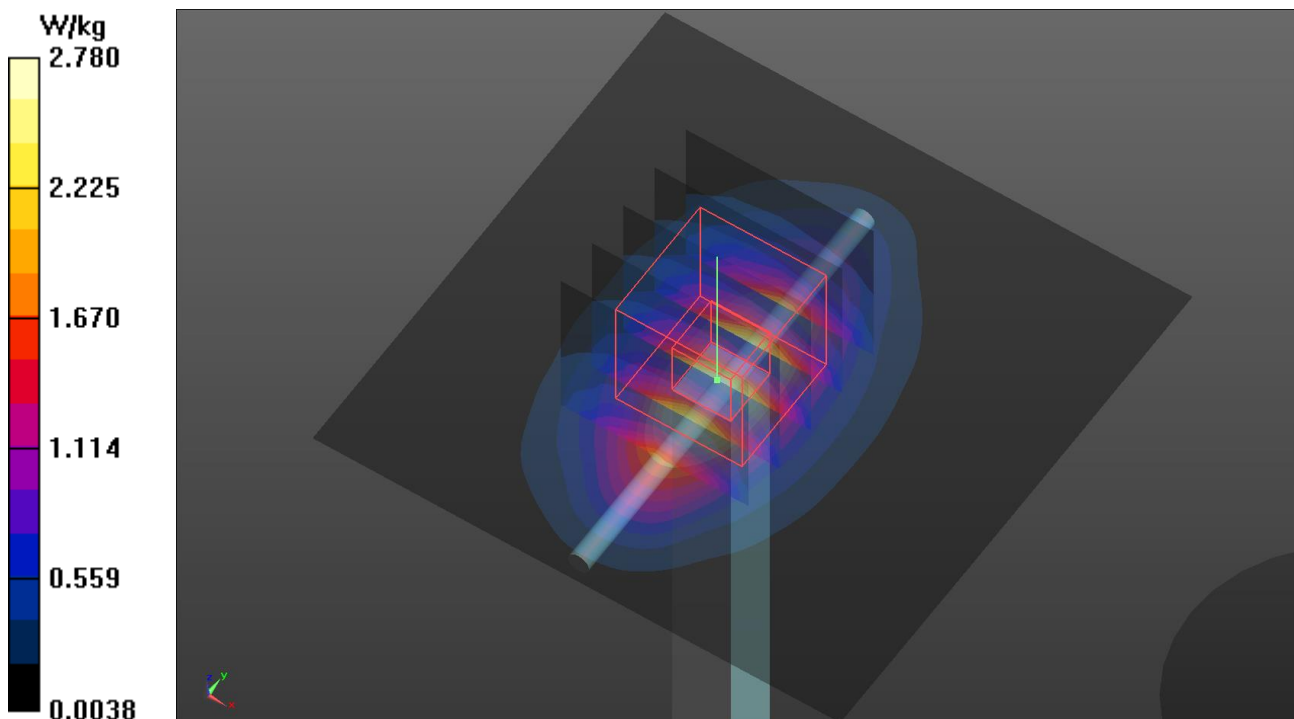
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m<sup>3</sup>

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

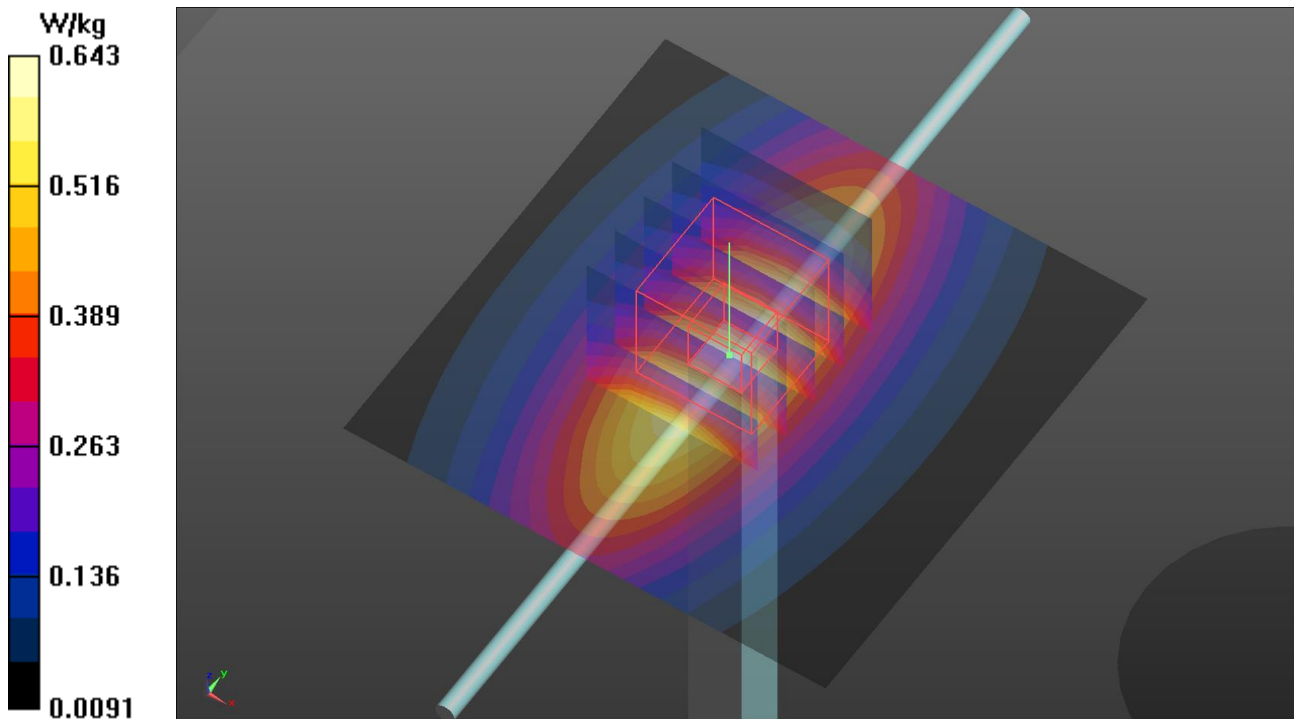
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

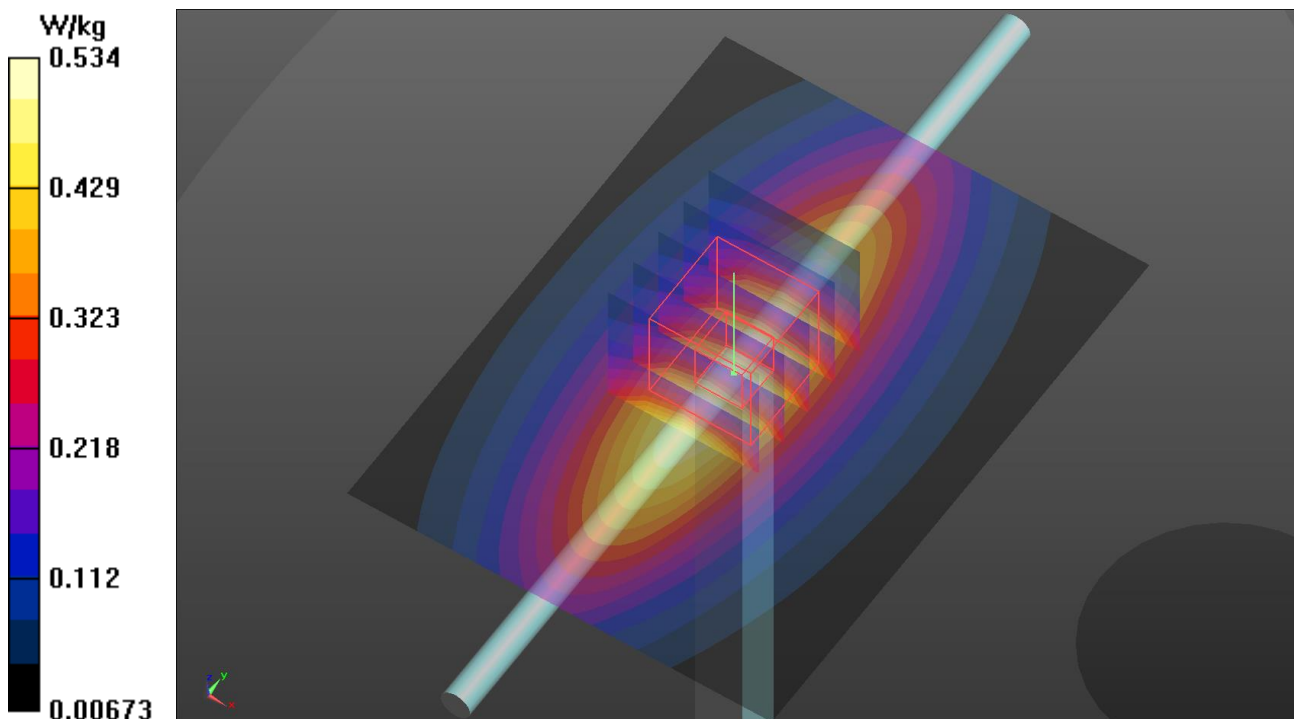
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

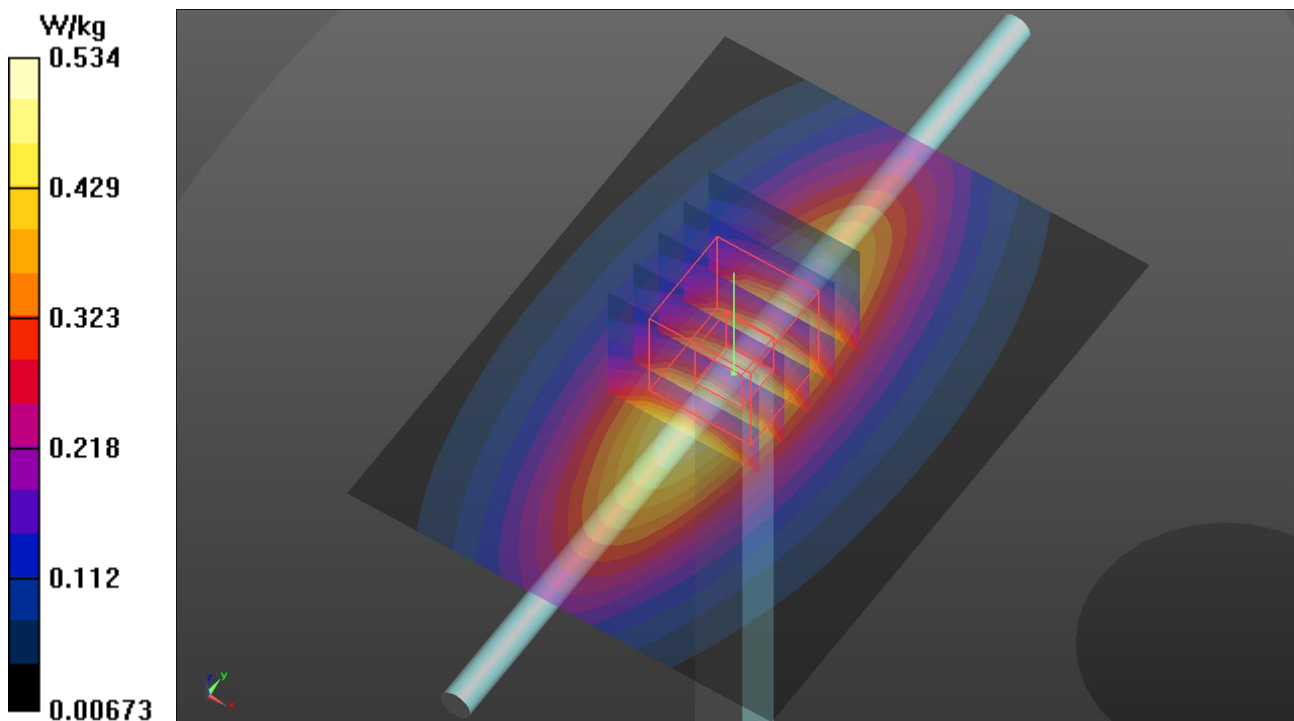
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m<sup>3</sup>

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

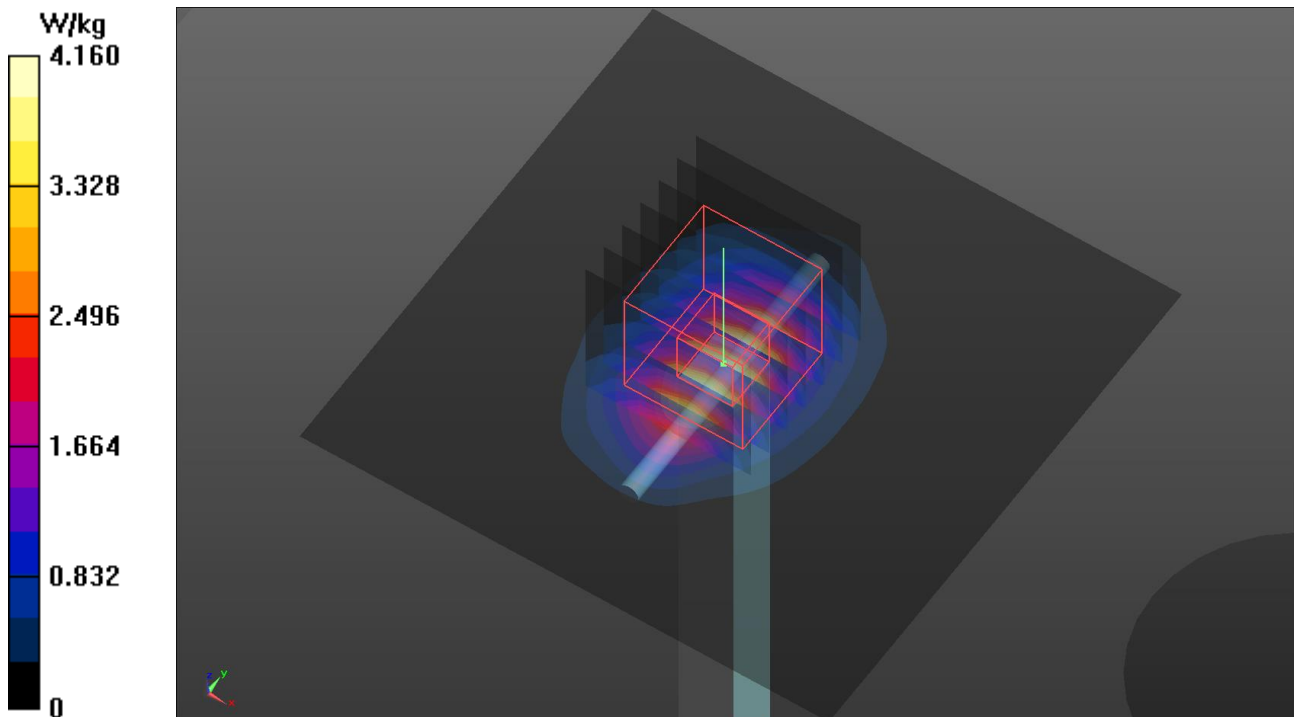
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

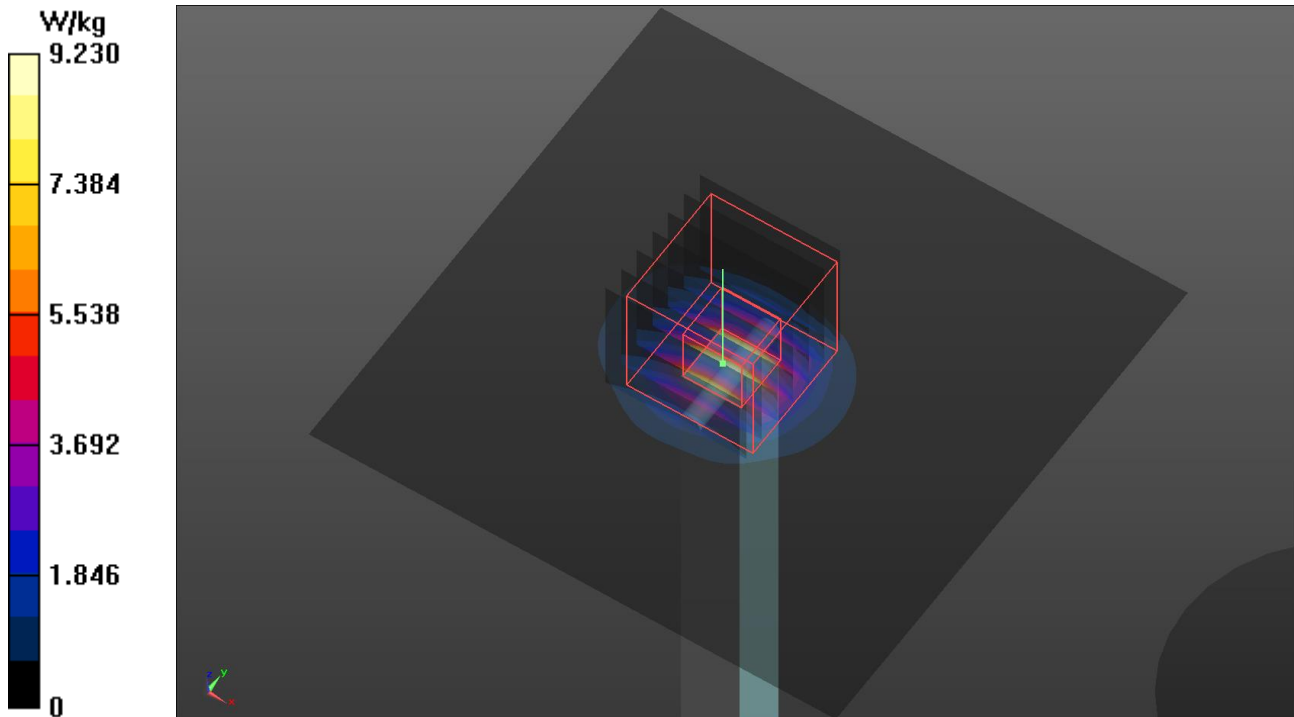
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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/m<sup>3</sup>

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

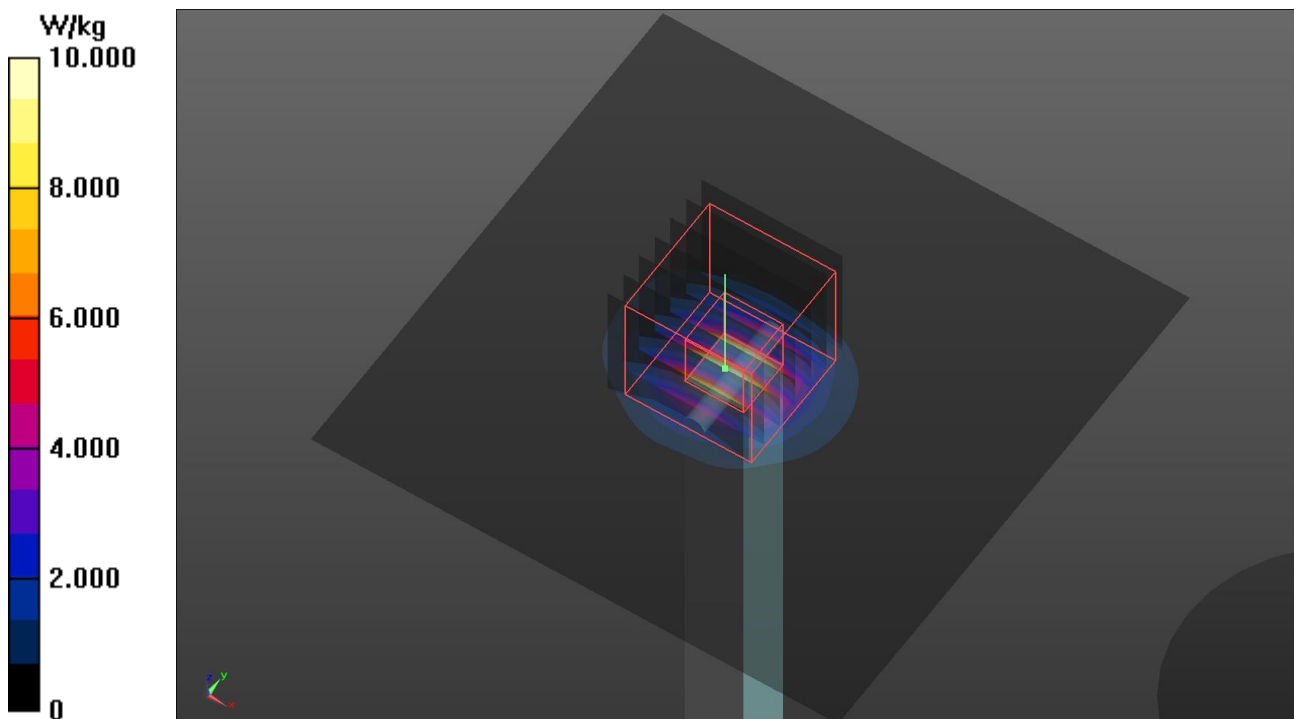
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

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/m<sup>3</sup>

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

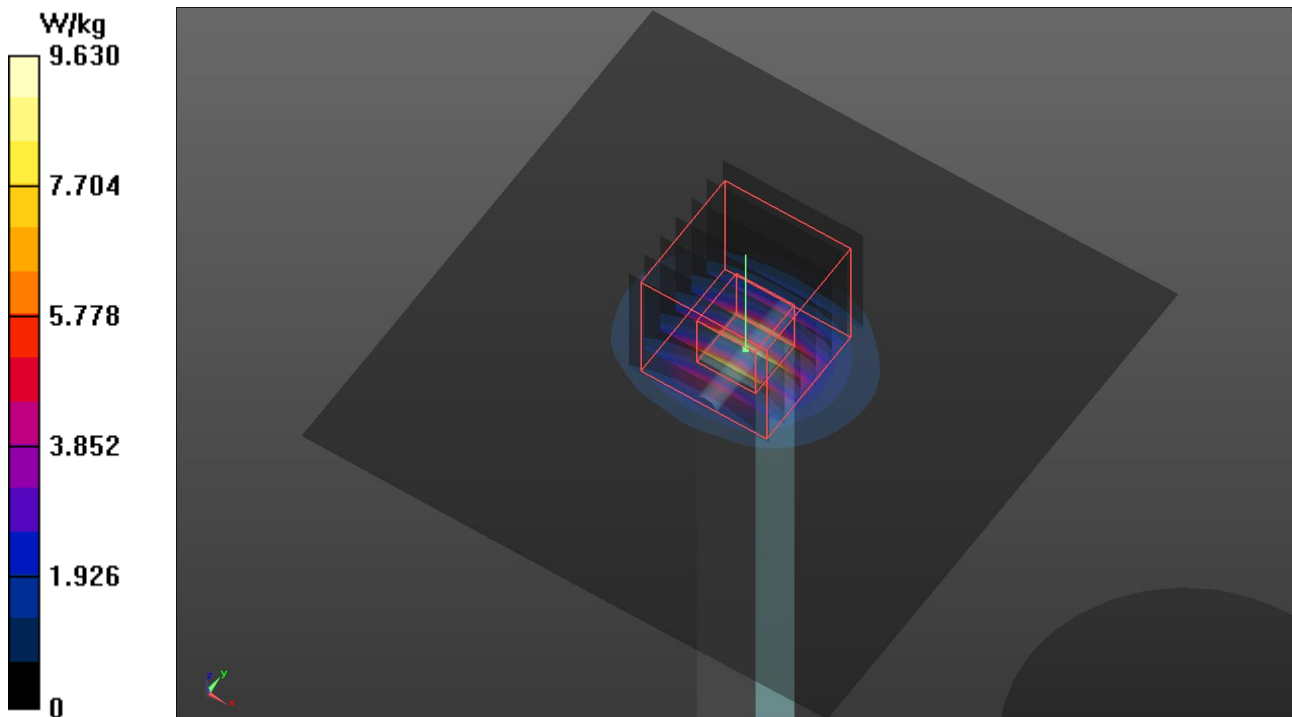
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

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/m<sup>3</sup>

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

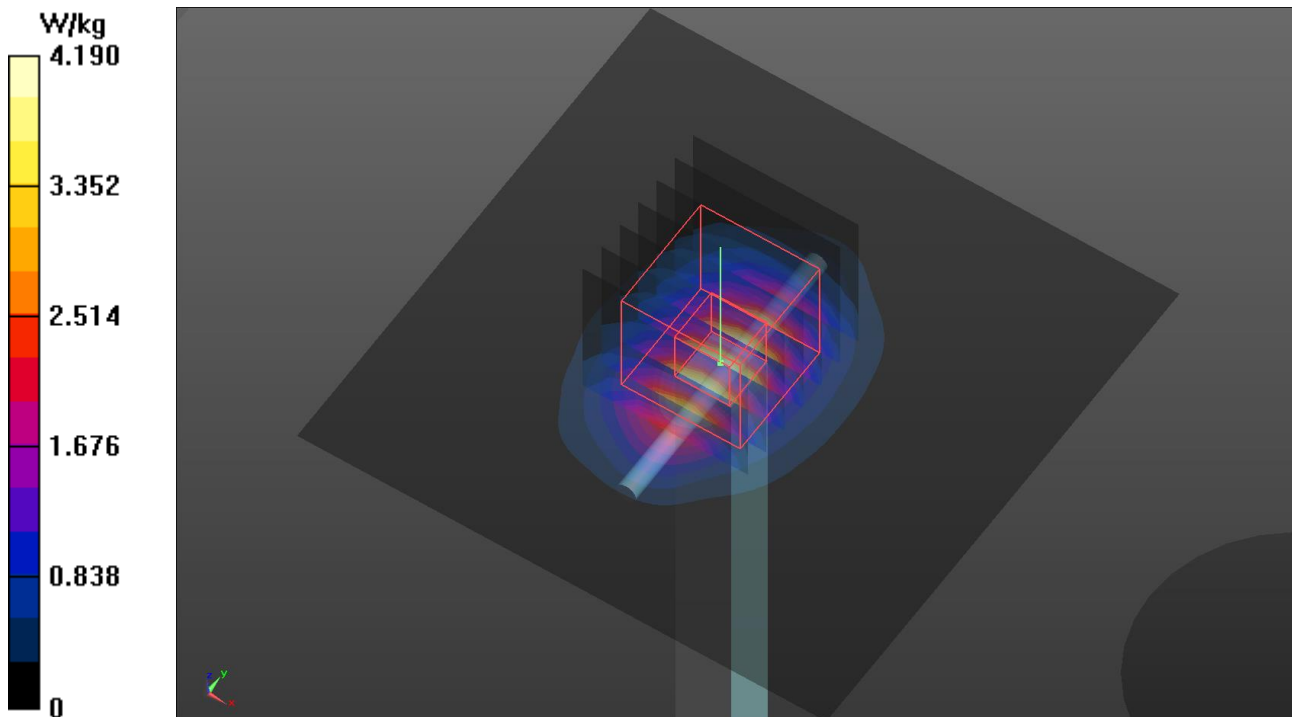
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

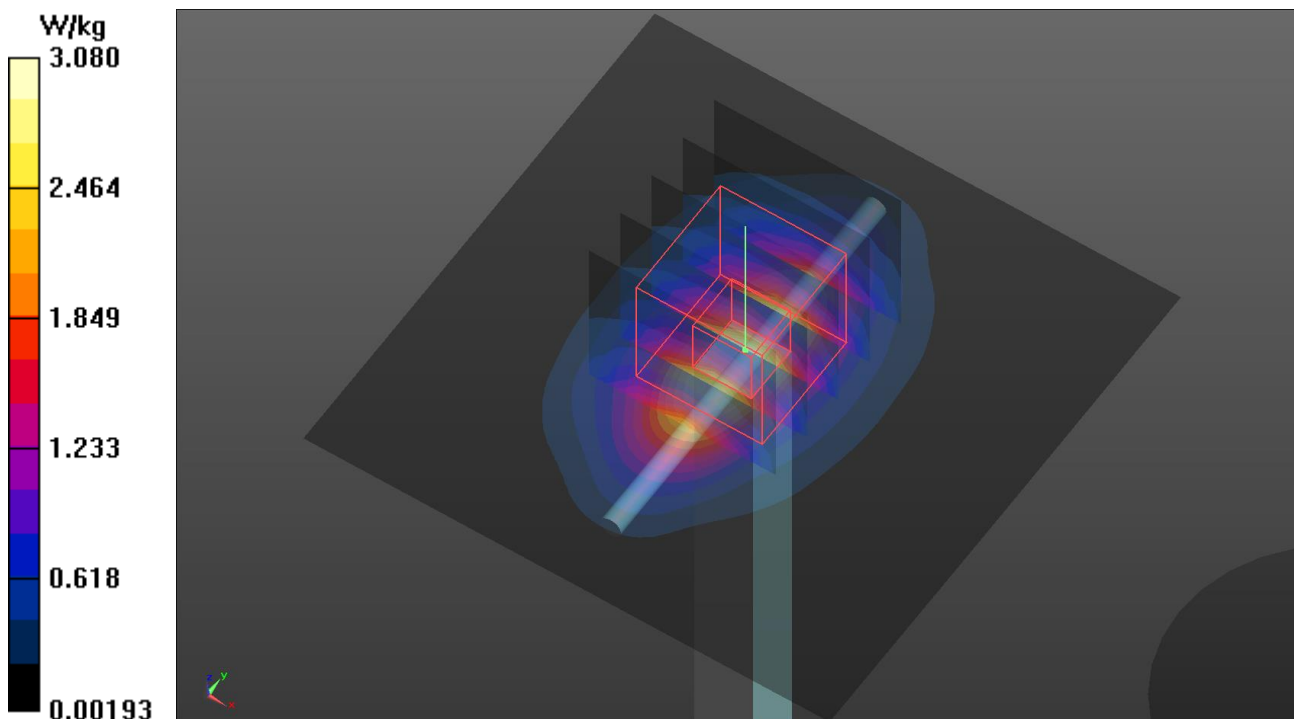
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m<sup>3</sup>

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

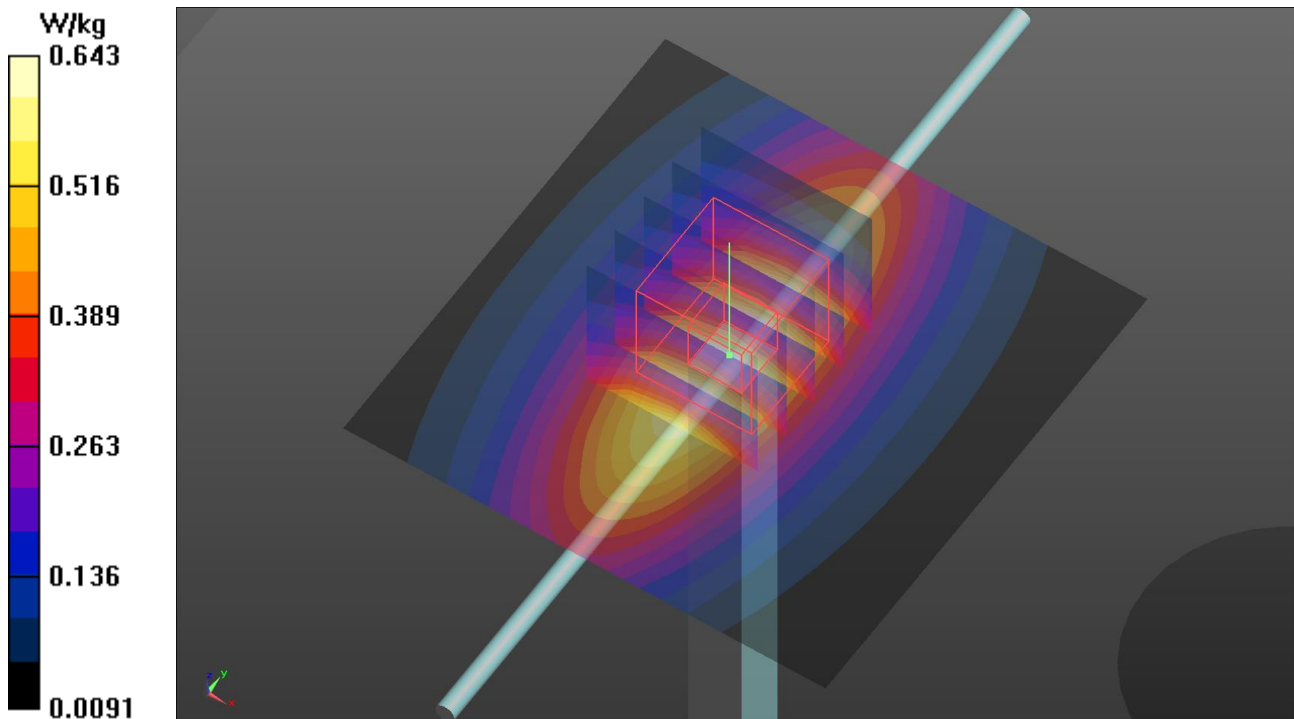
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

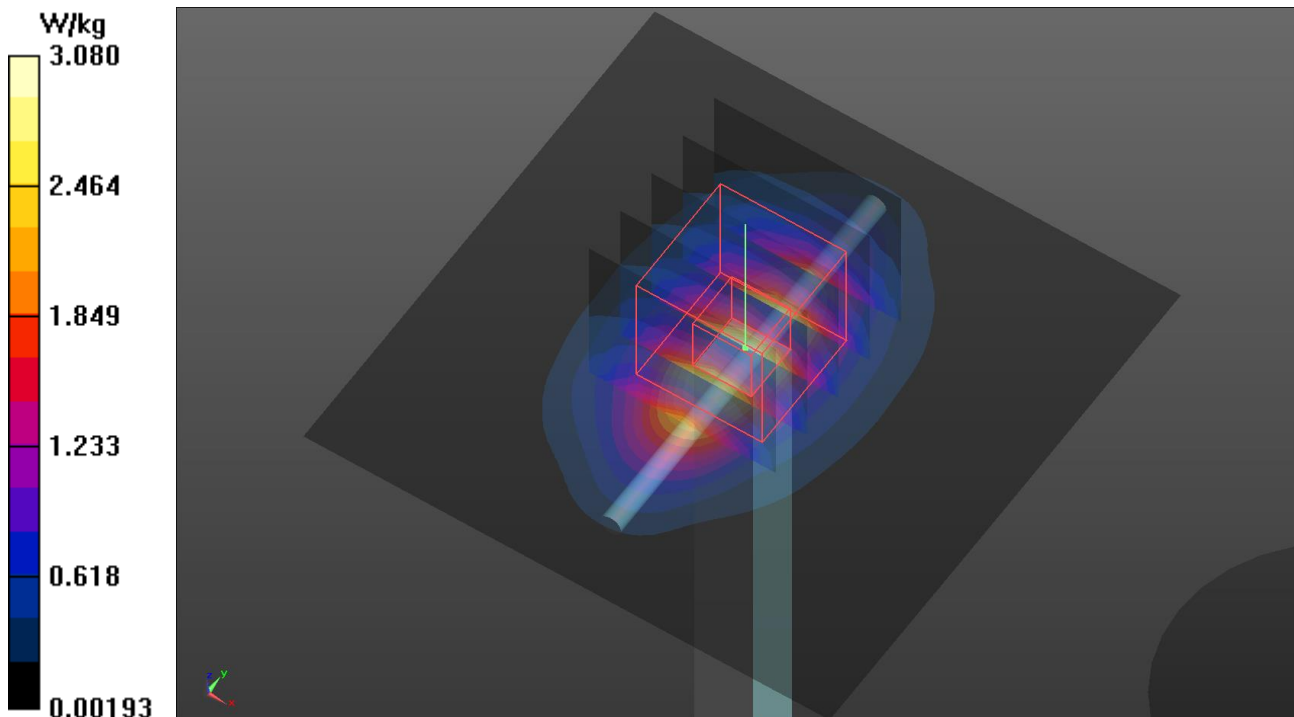
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m<sup>3</sup>

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

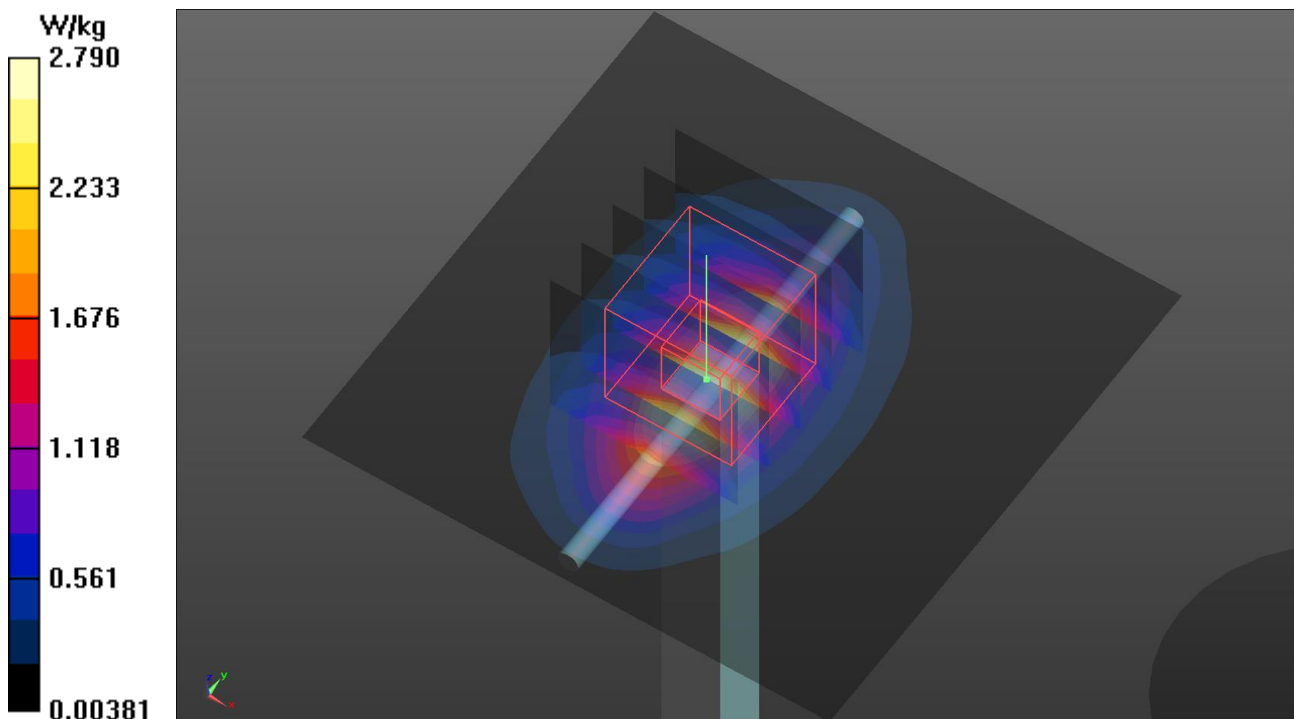
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m<sup>3</sup>

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

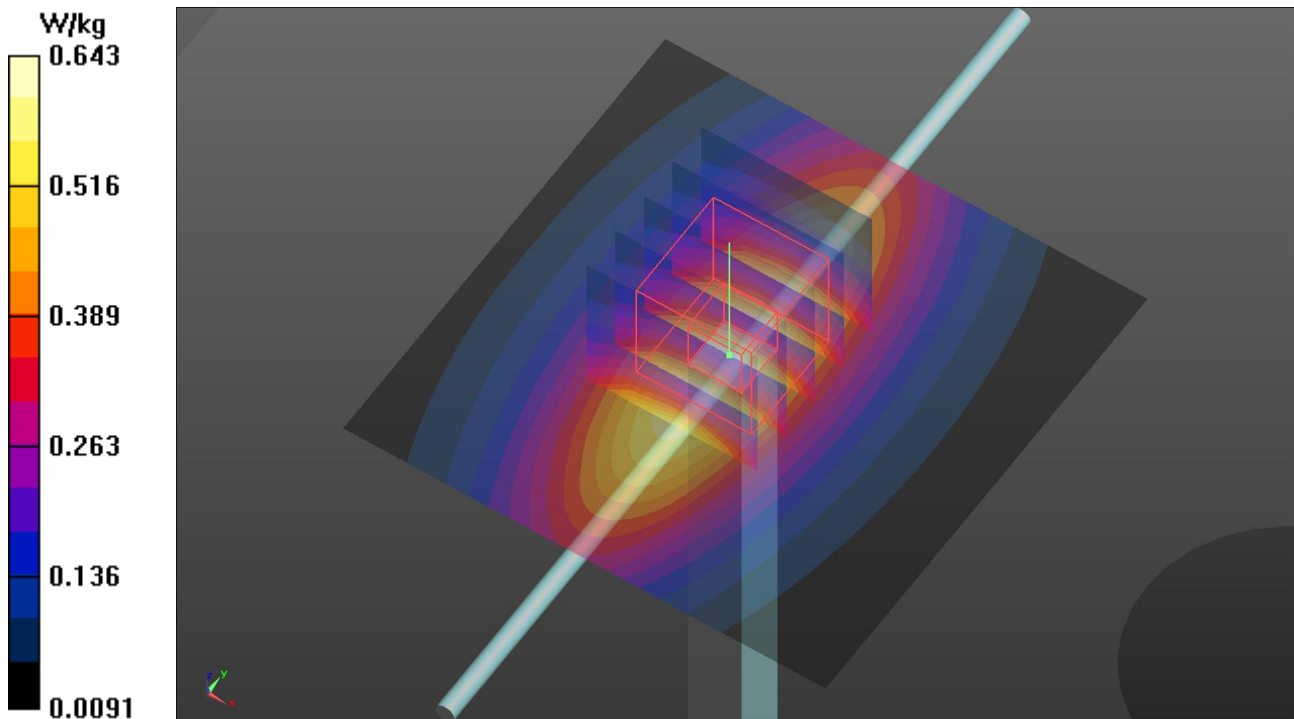
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

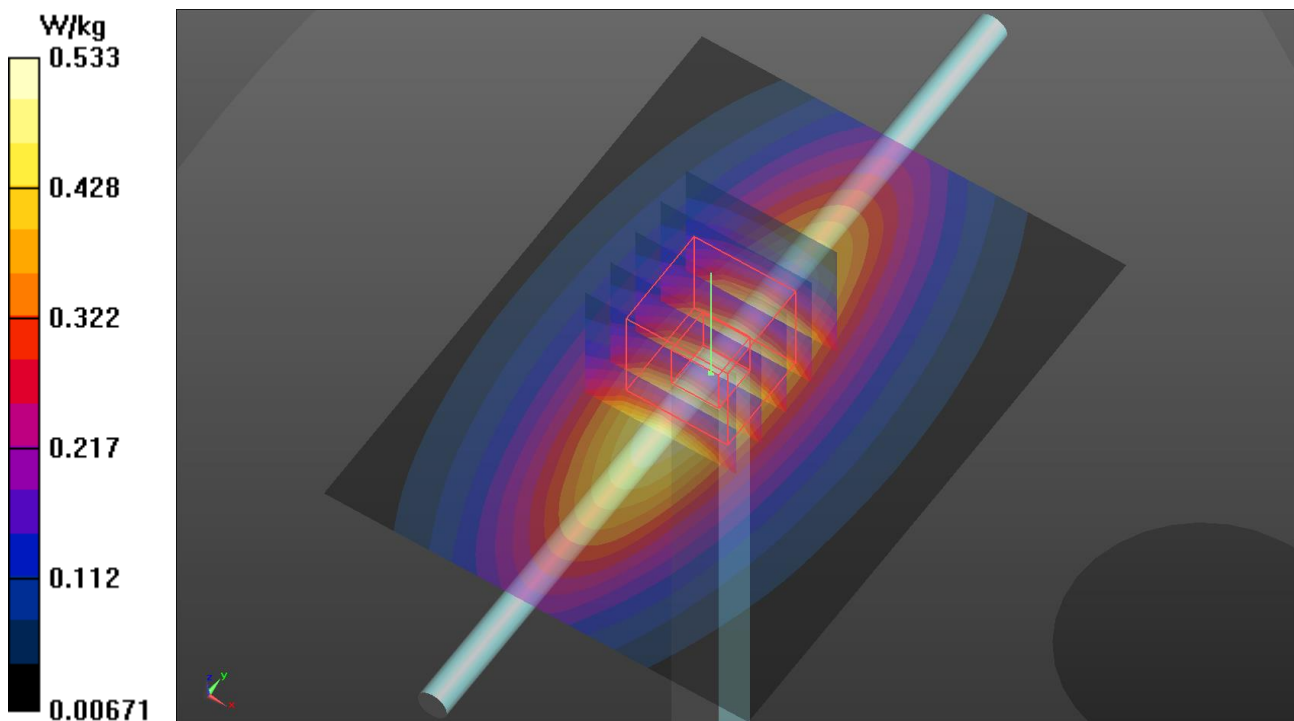
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

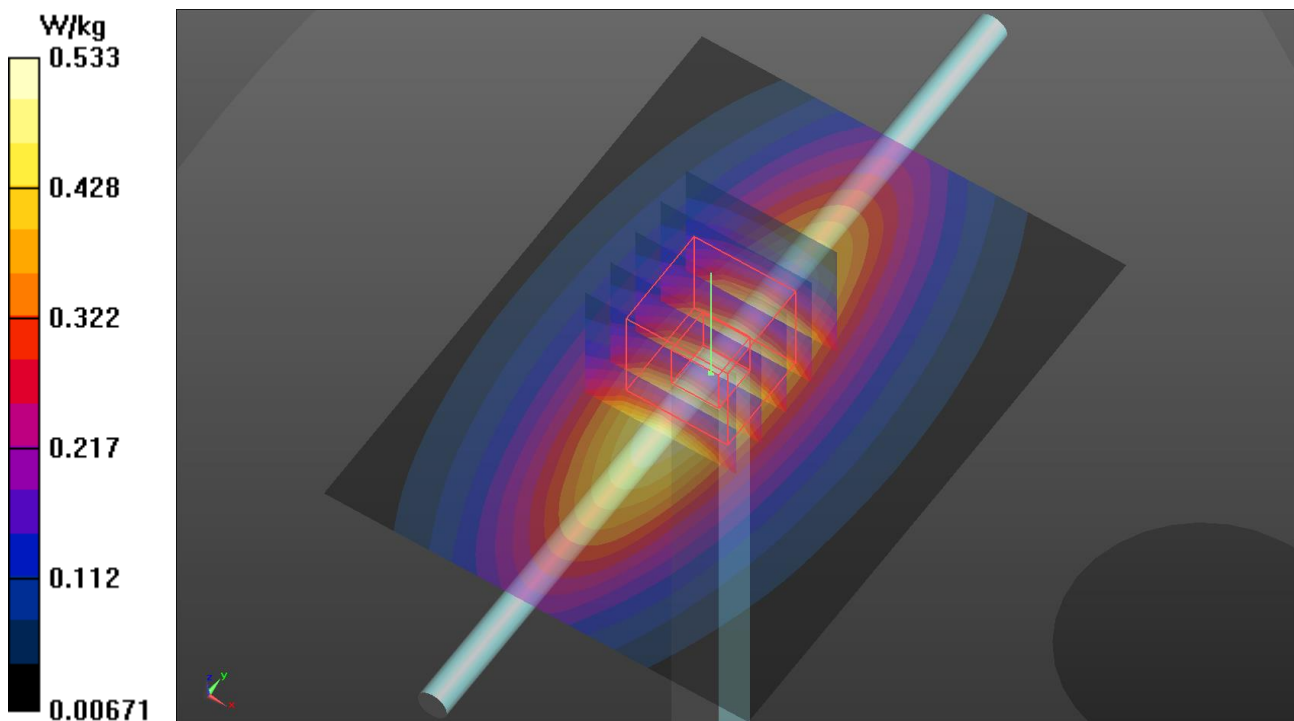
**Pin=50mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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/m<sup>3</sup>

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

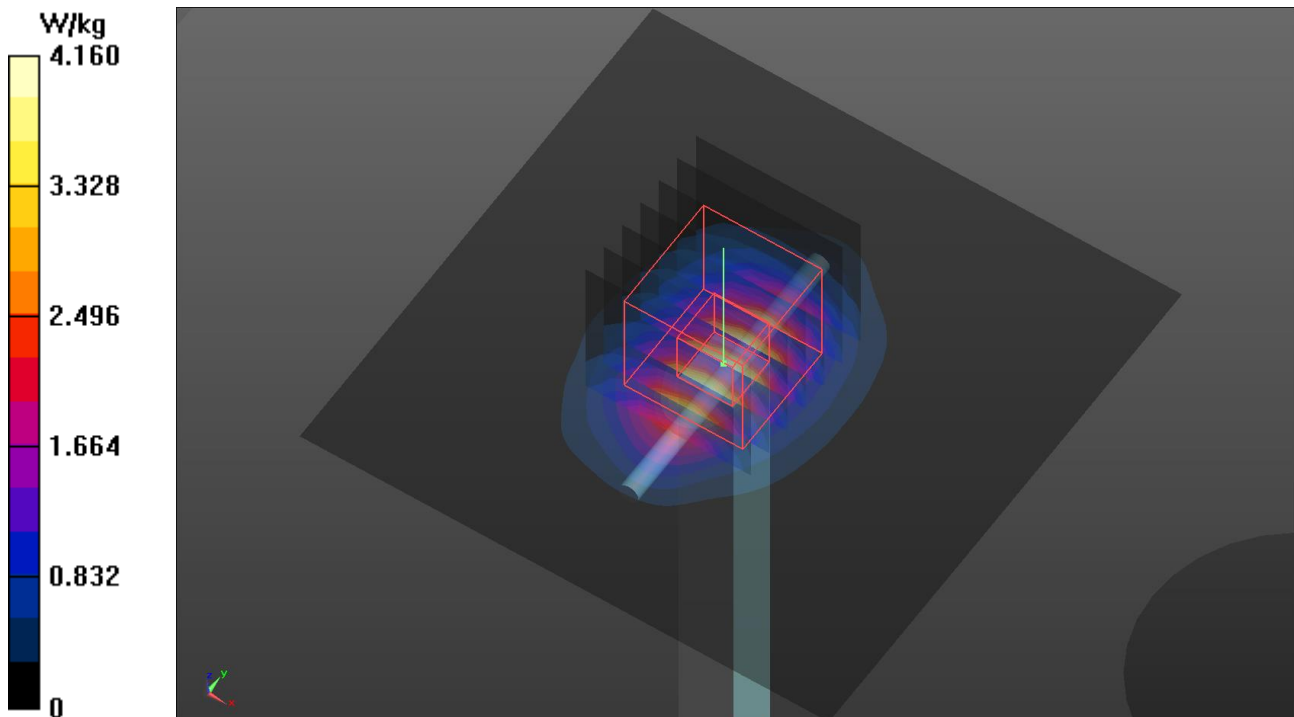
**Pin=50mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

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 Measurement

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### 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/m<sup>3</sup>

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

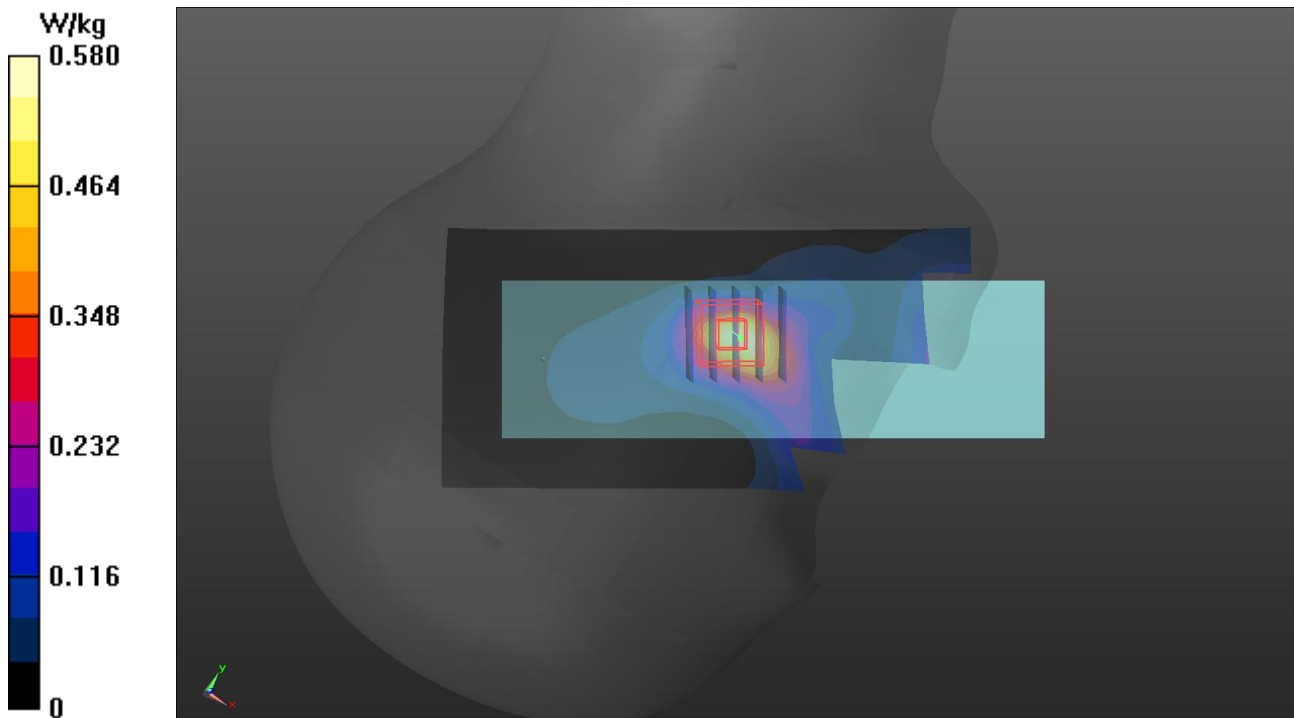
Peak SAR (extrapolated) = 0.773 W/kg

**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/m<sup>3</sup>  
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

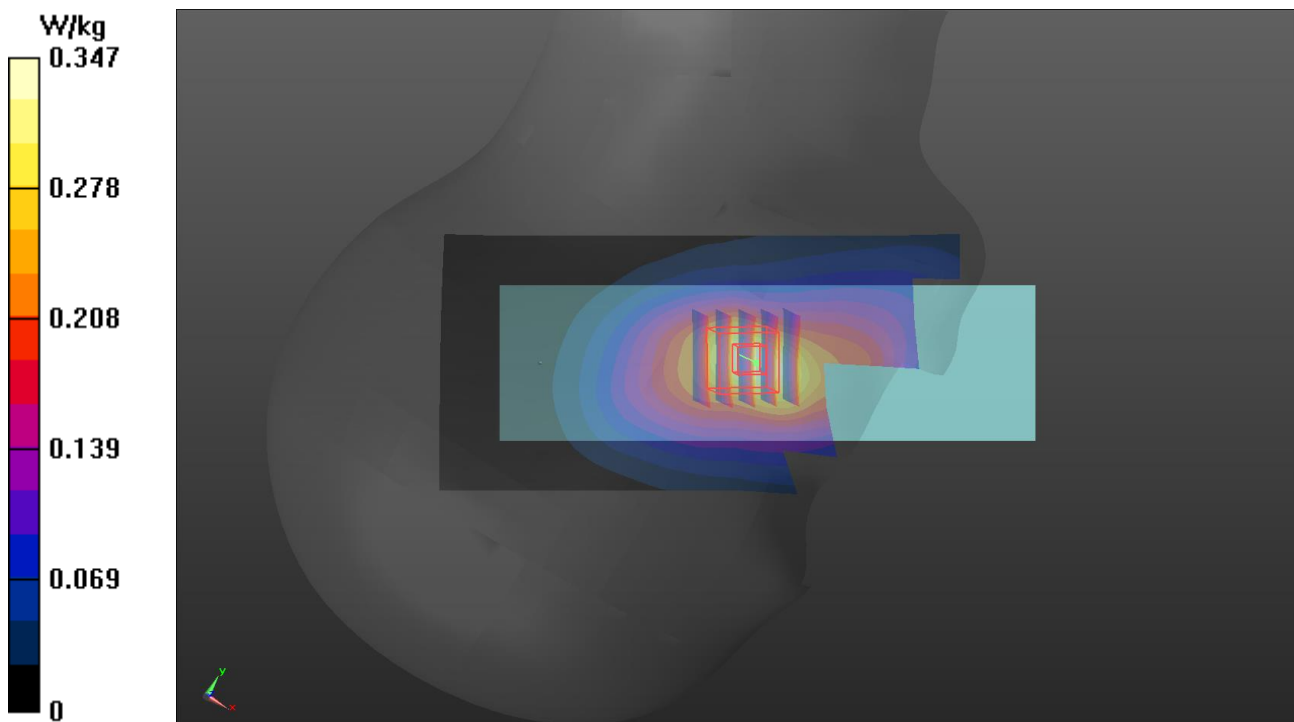
Peak SAR (extrapolated) = 0.390 W/kg

**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/m<sup>3</sup>

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

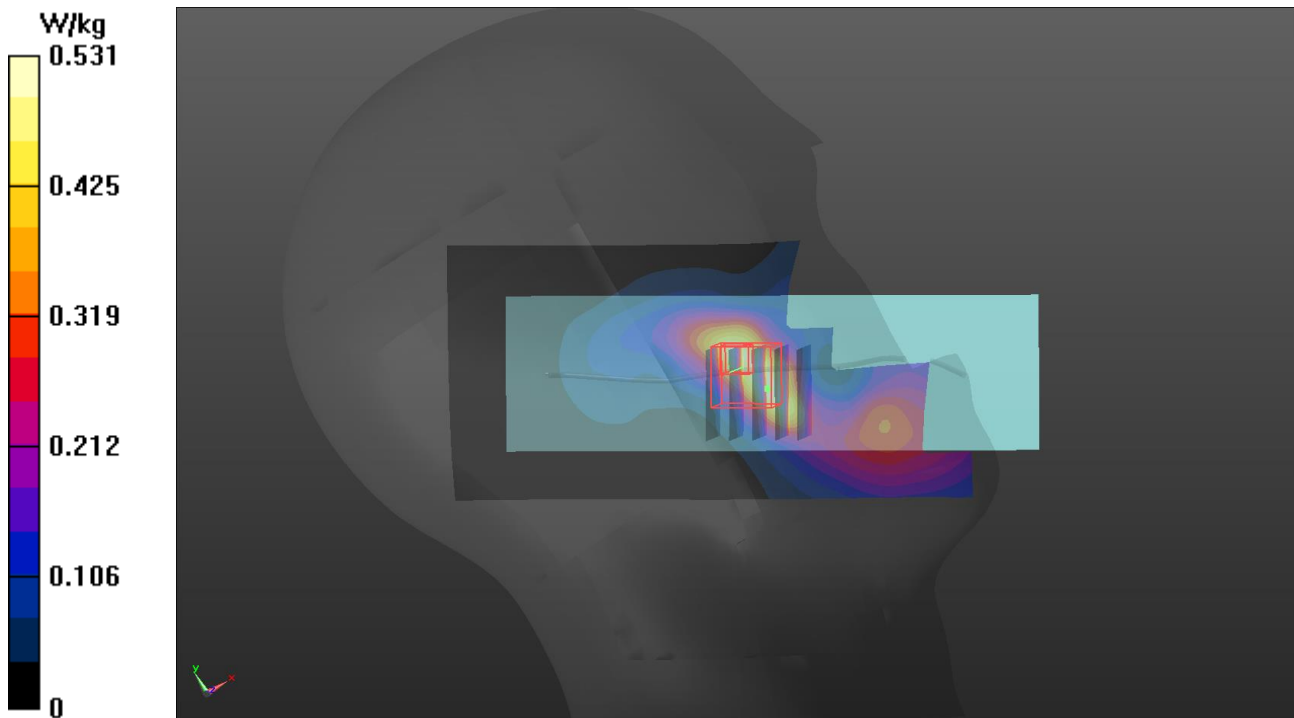
Peak SAR (extrapolated) = 0.735 W/kg

**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/m<sup>3</sup>

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

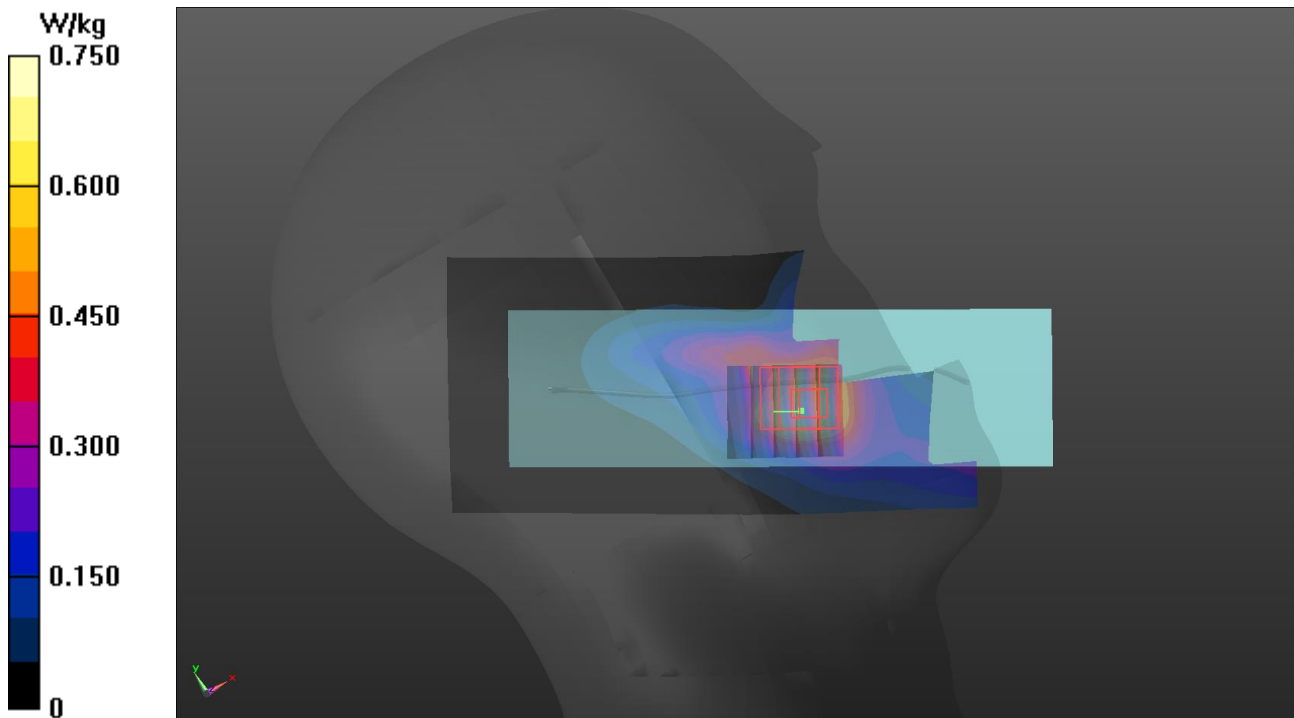
Peak SAR (extrapolated) = 1.01 W/kg

**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/m<sup>3</sup>

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

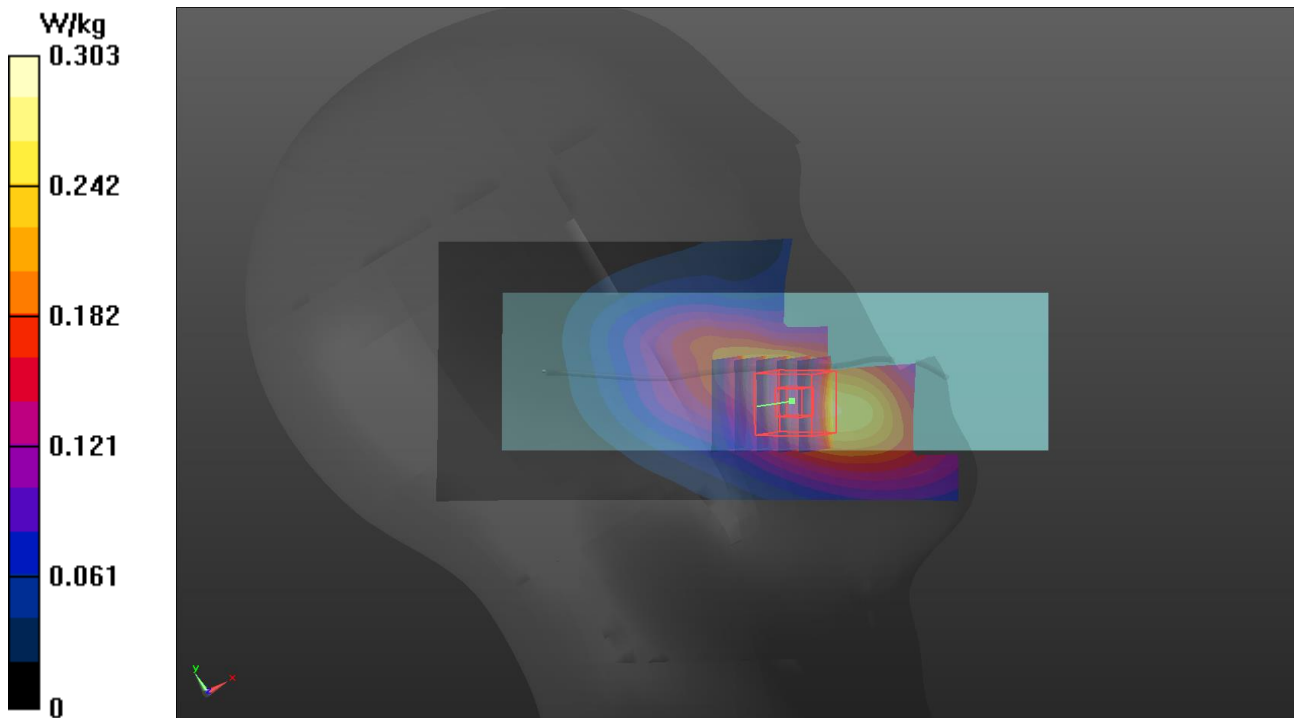
Peak SAR (extrapolated) = 0.352 W/kg

**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/m<sup>3</sup>

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

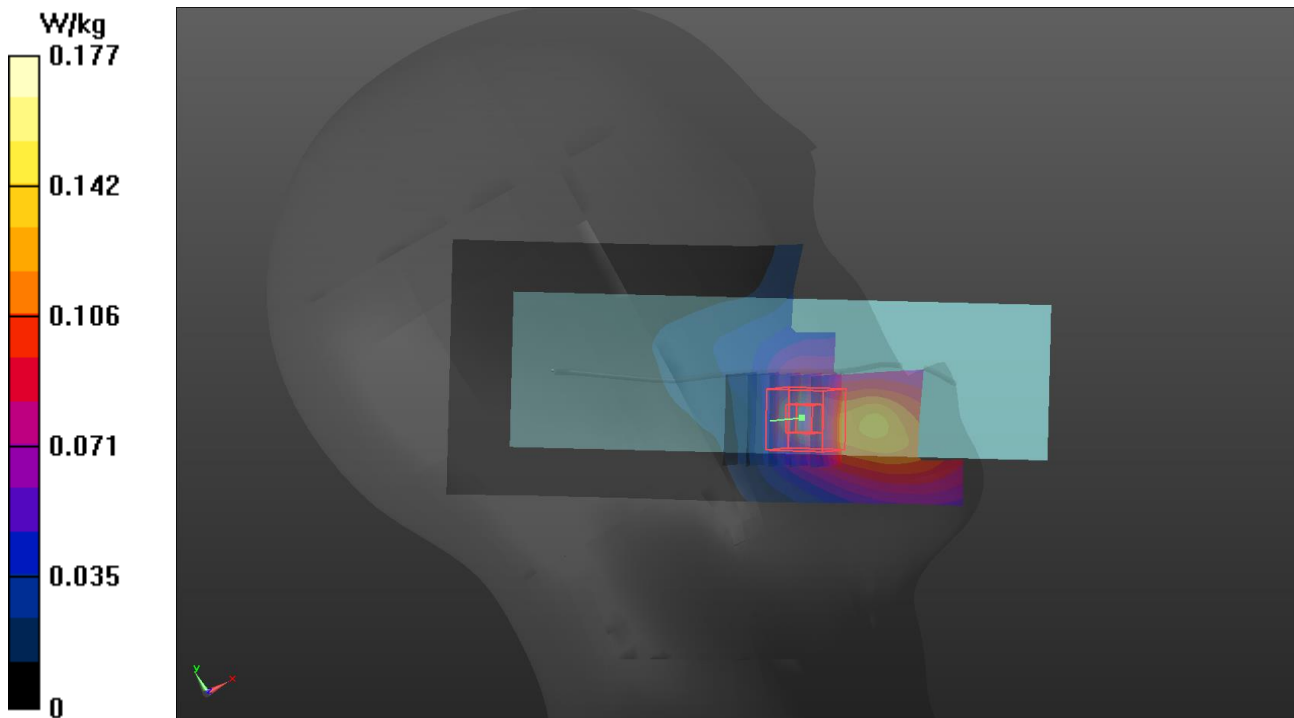
Peak SAR (extrapolated) = 0.206 W/kg

**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/m<sup>3</sup>

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

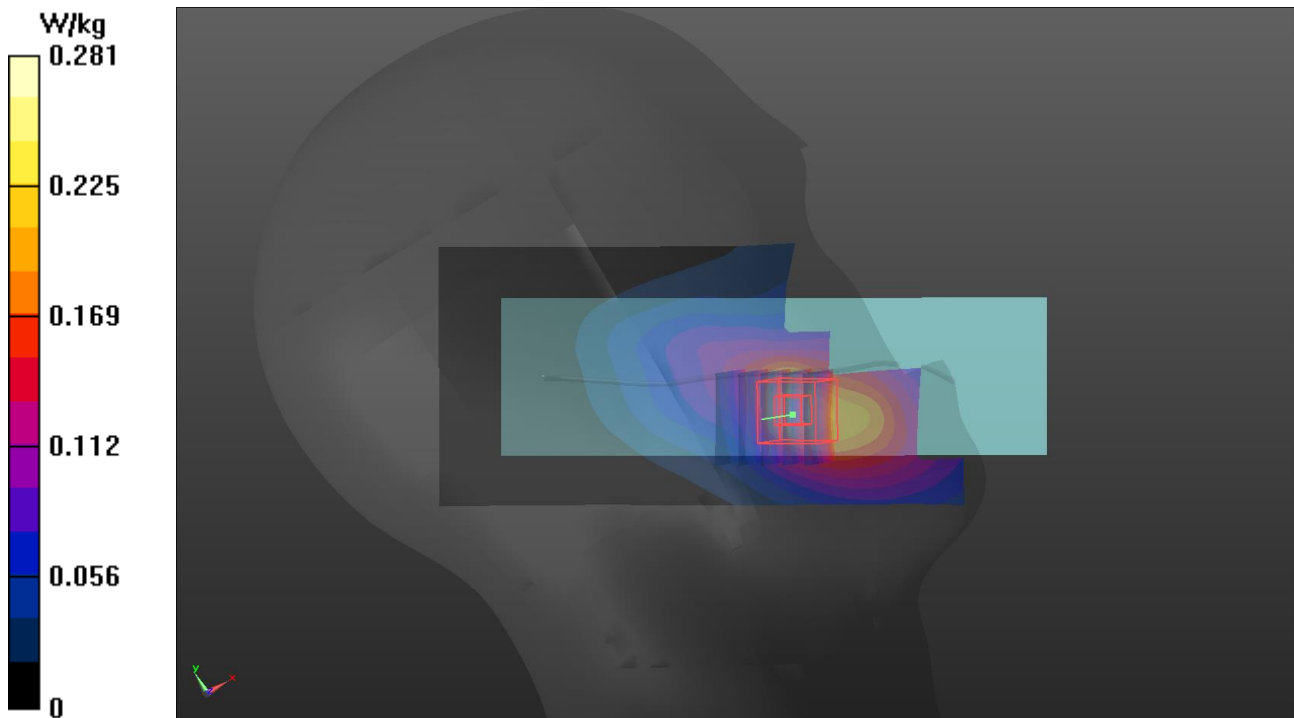
Peak SAR (extrapolated) = 0.332 W/kg

**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/m<sup>3</sup>

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

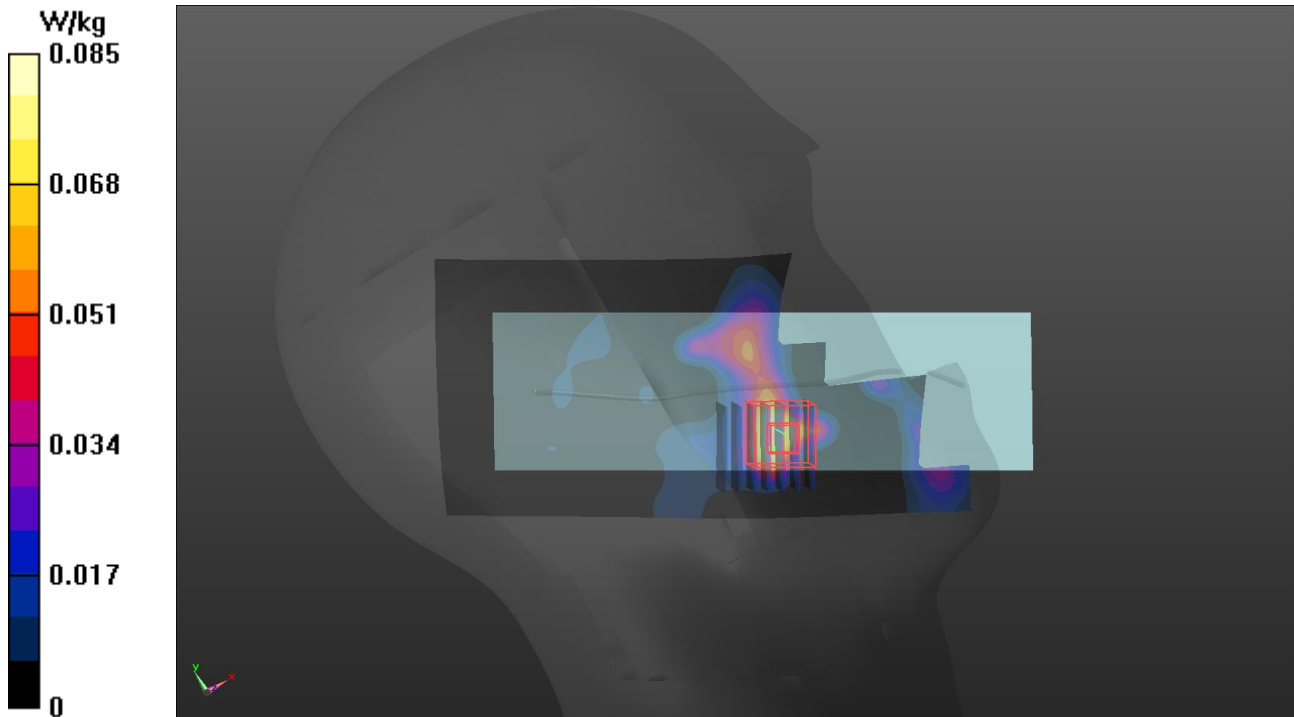
Peak SAR (extrapolated) = 0.0960 W/kg

**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/m<sup>3</sup>

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

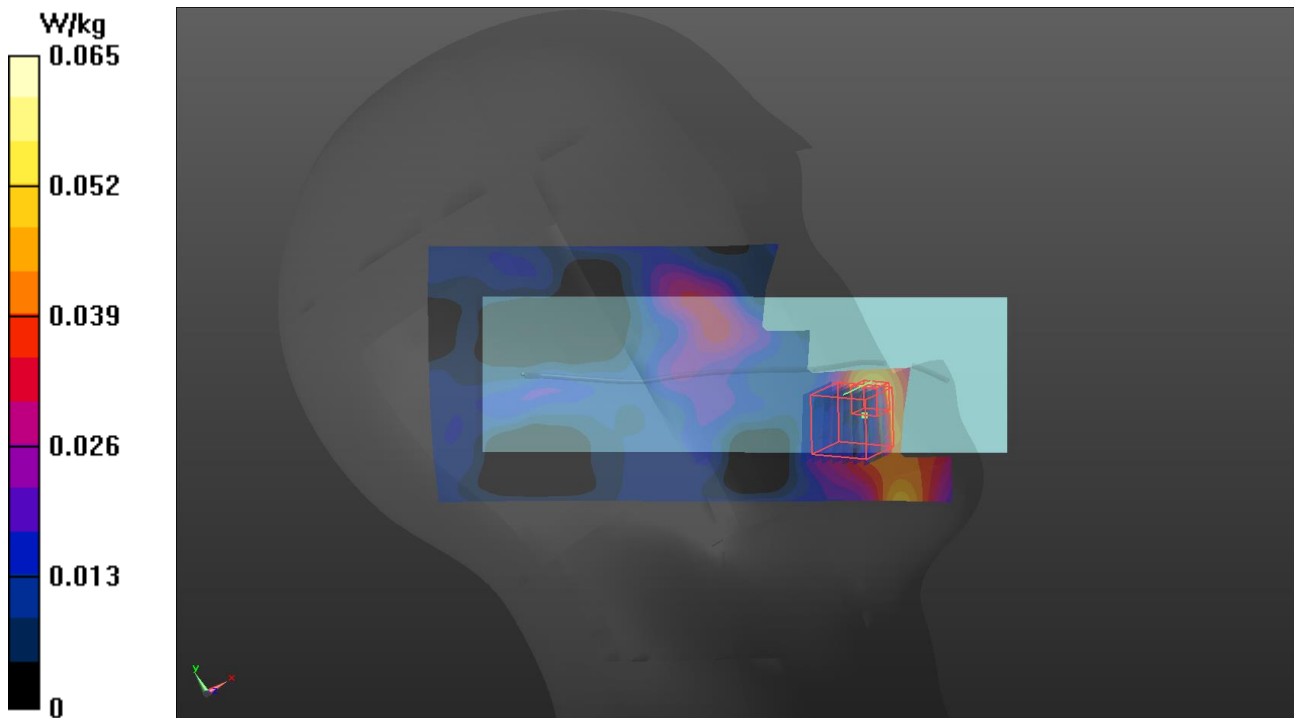
Peak SAR (extrapolated) = 0.211 W/kg

**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/m<sup>3</sup>

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

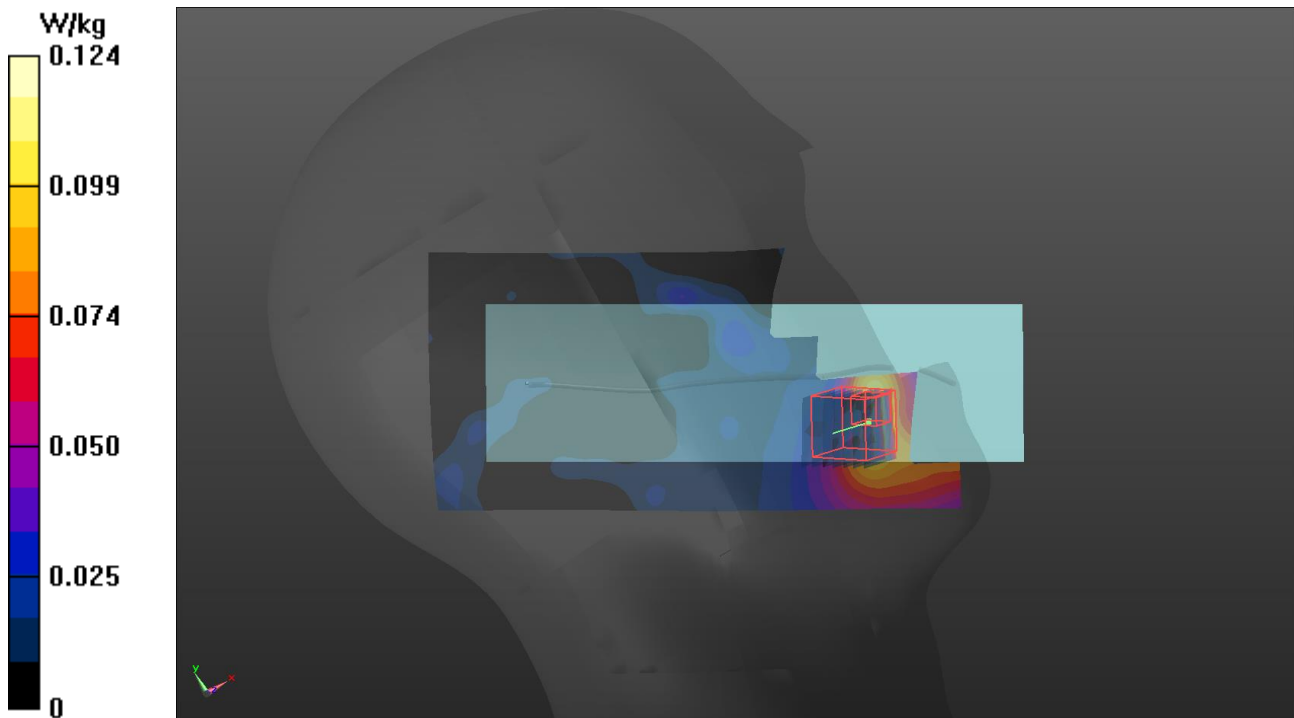
Peak SAR (extrapolated) = 0.167 W/kg

**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/m<sup>3</sup>

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

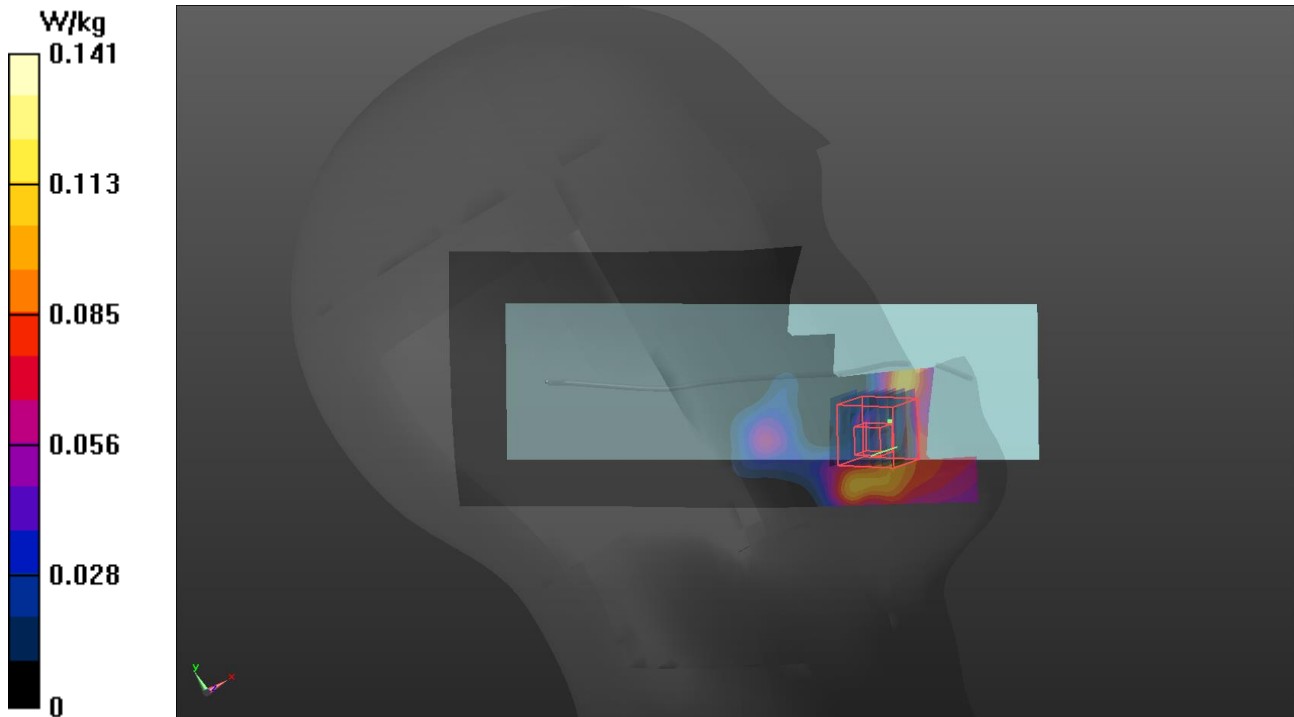
Peak SAR (extrapolated) = 0.434 W/kg

**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/m<sup>3</sup>

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

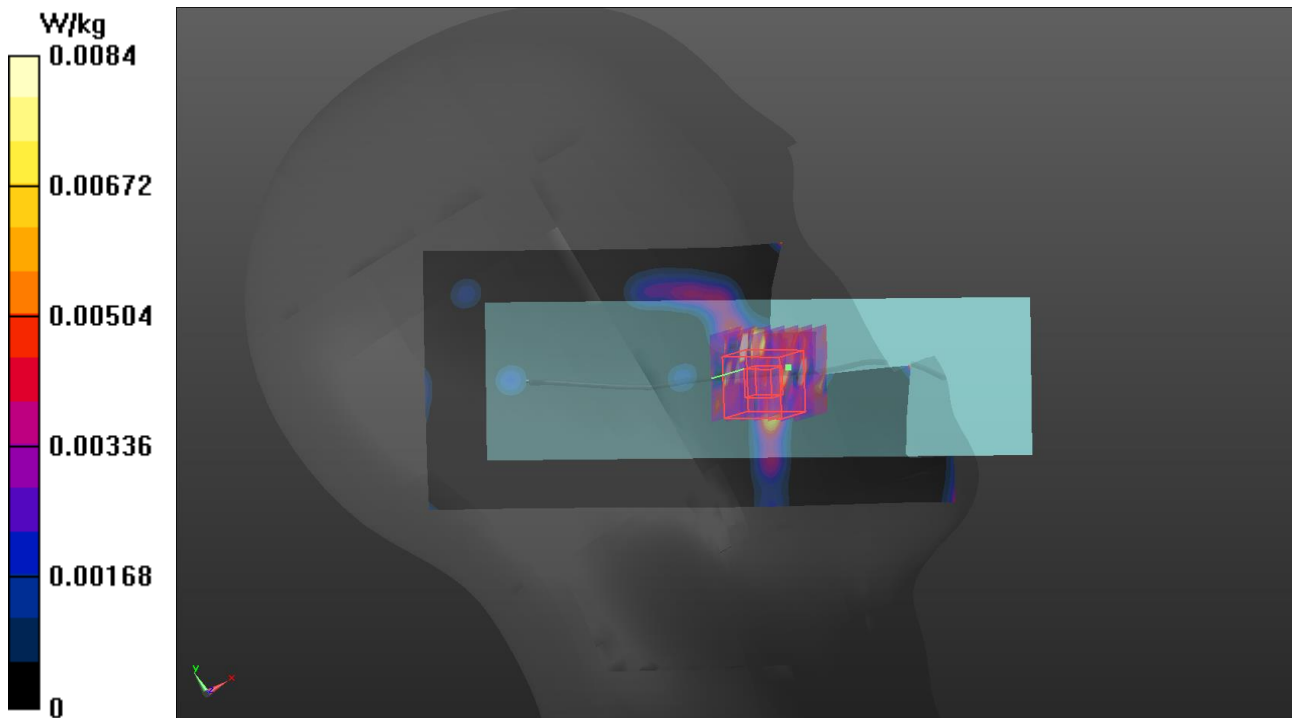
Peak SAR (extrapolated) = 0.0150 W/kg

**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/m<sup>3</sup>  
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

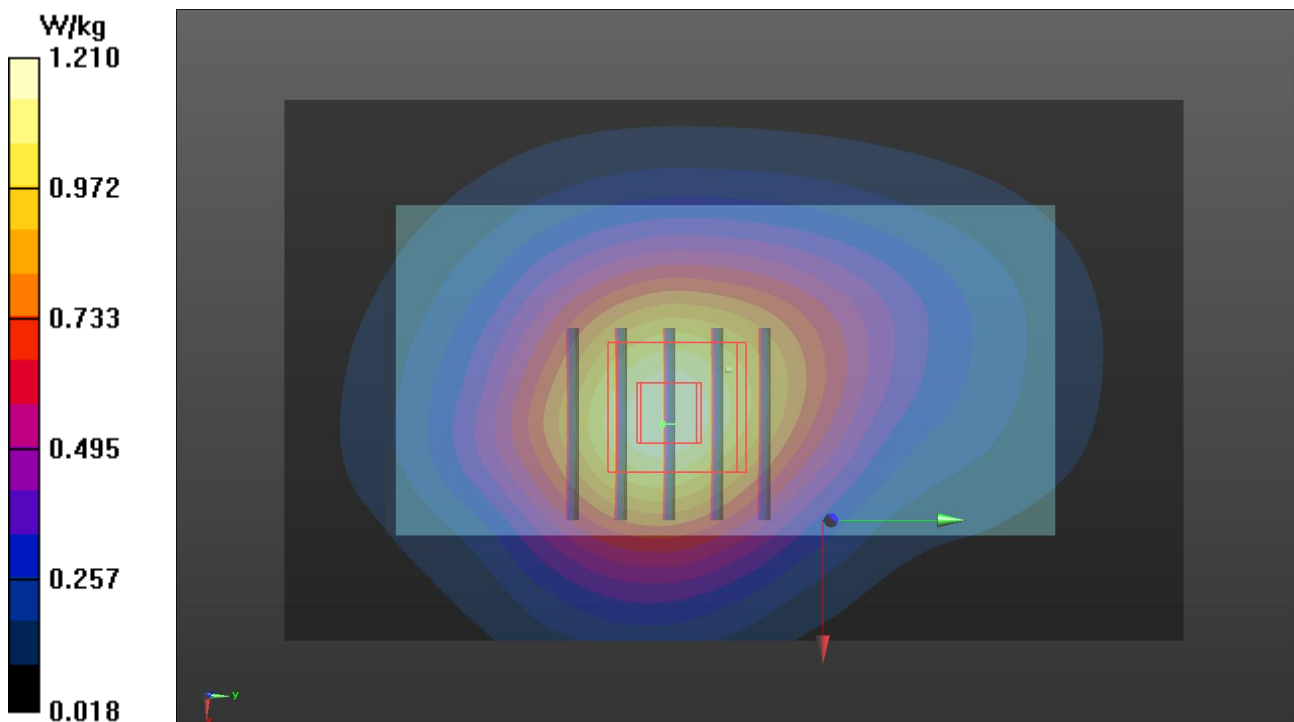
Peak SAR (extrapolated) = 1.41 W/kg

**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/m<sup>3</sup>

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

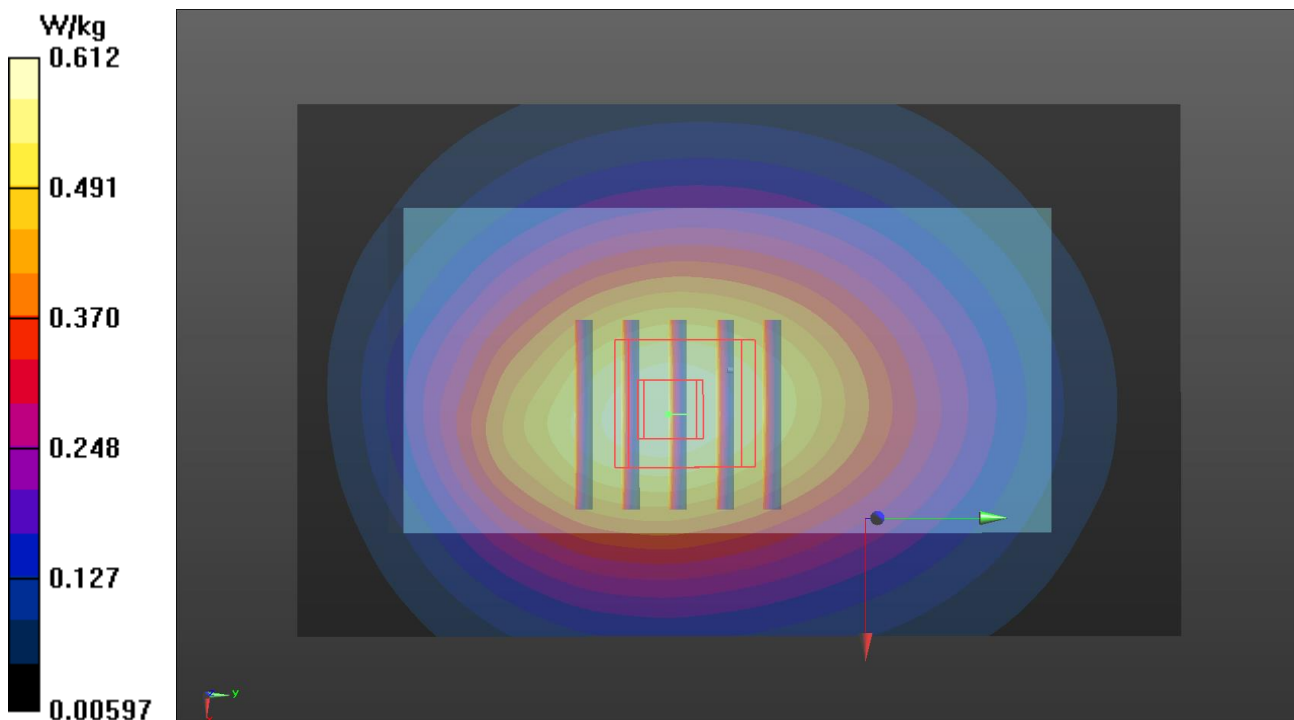
Peak SAR (extrapolated) = 0.679 W/kg

**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/m<sup>3</sup>

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

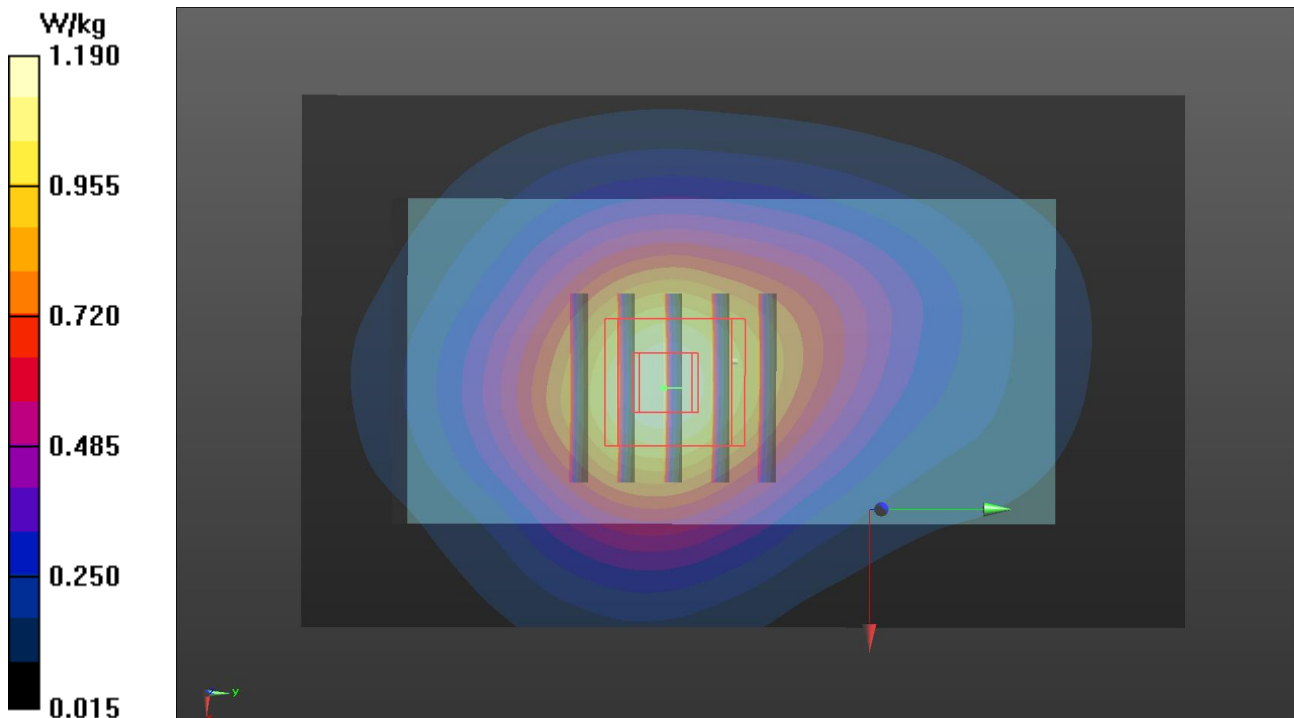
Peak SAR (extrapolated) = 1.41 W/kg

**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/m<sup>3</sup>

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

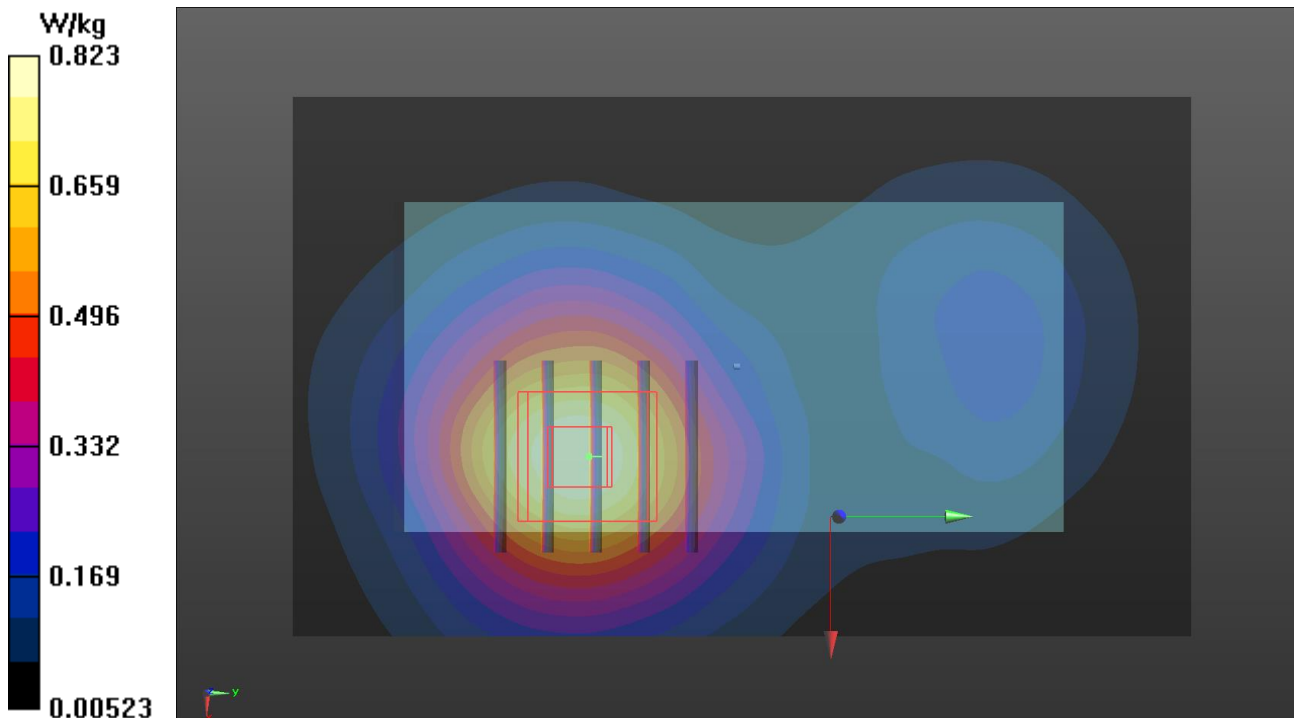
Peak SAR (extrapolated) = 0.963 W/kg

**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/m<sup>3</sup>

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

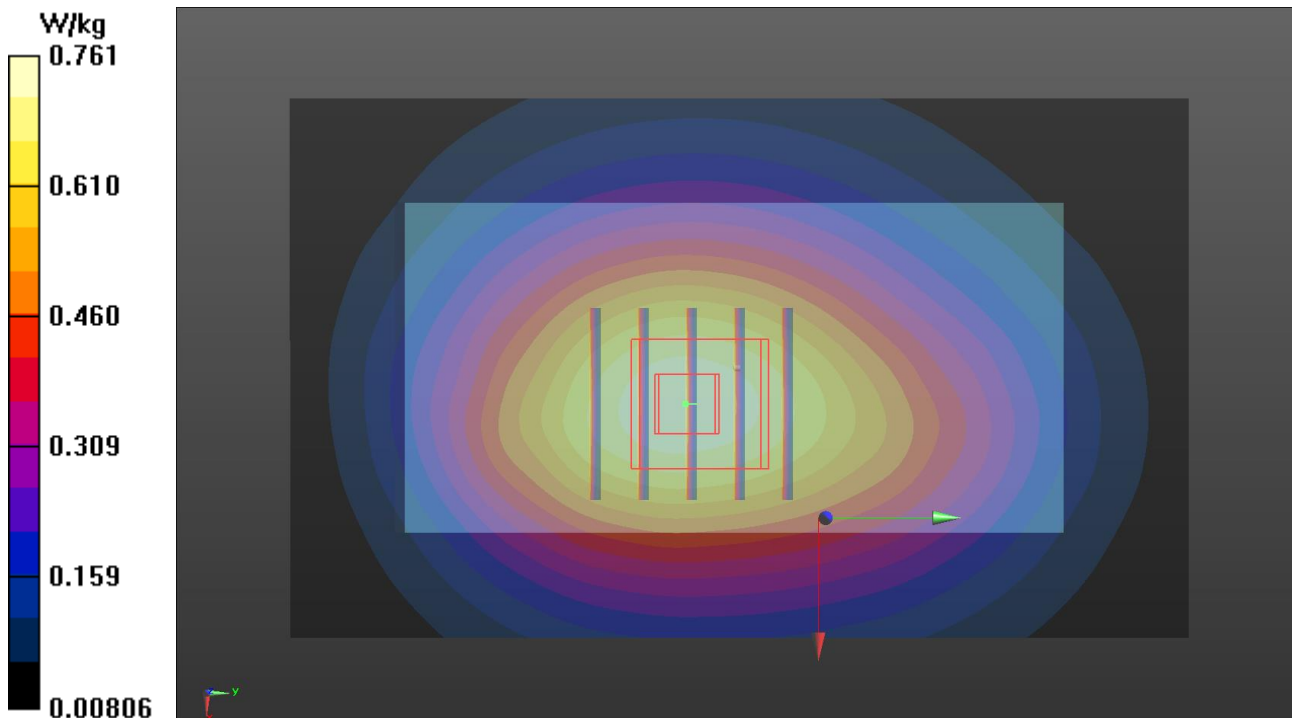
Peak SAR (extrapolated) = 0.853 W/kg

**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/m<sup>3</sup>

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

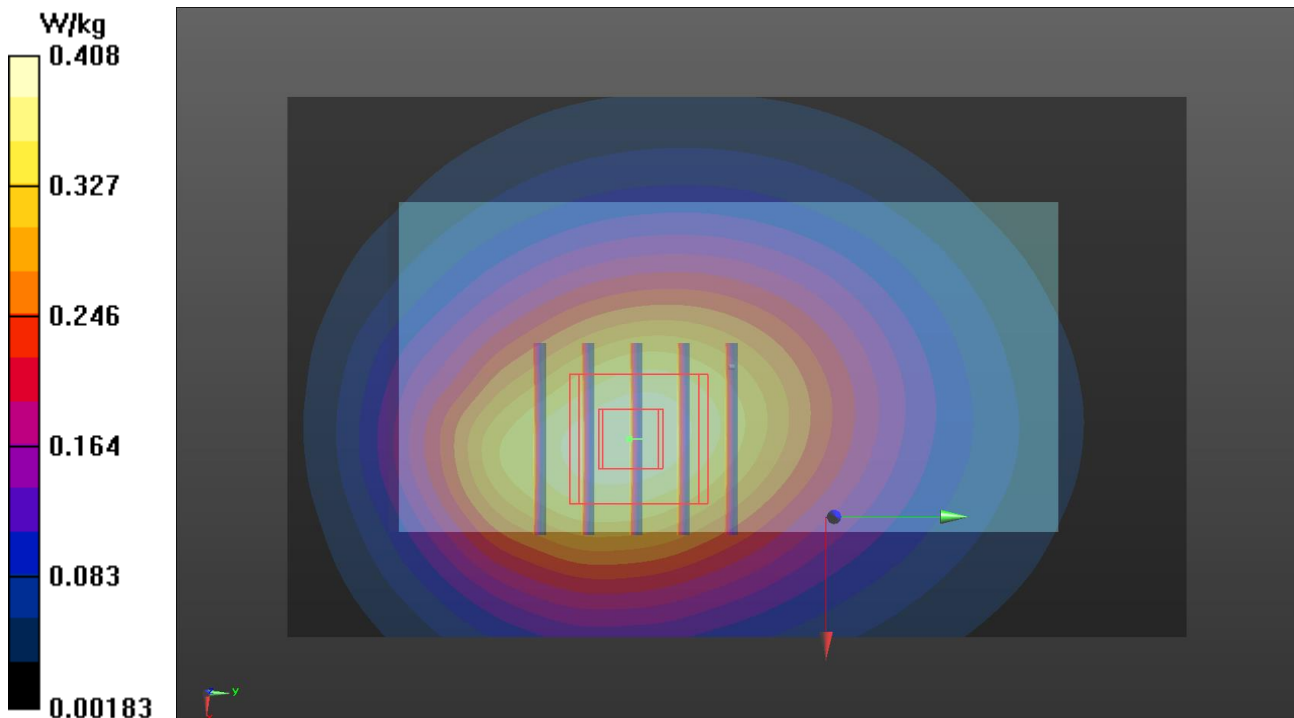
Peak SAR (extrapolated) = 0.458 W/kg

**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/m<sup>3</sup>

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

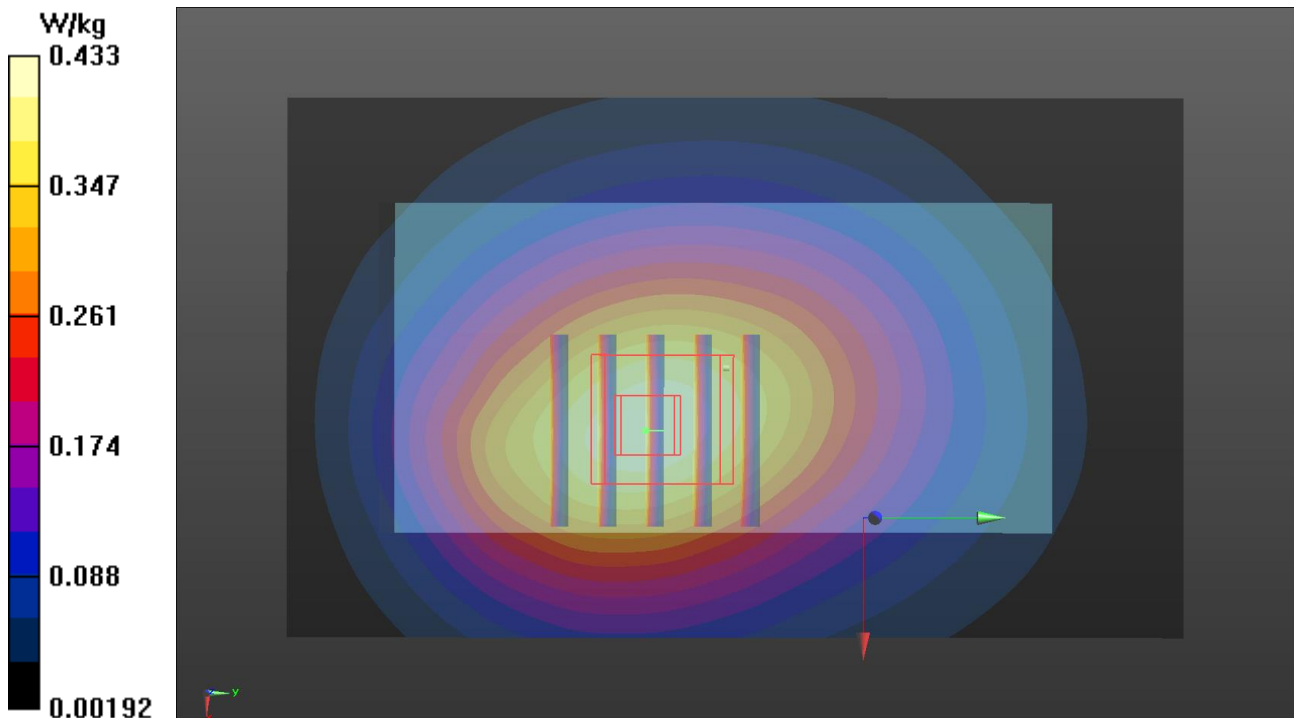
Peak SAR (extrapolated) = 0.481 W/kg

**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/m<sup>3</sup>

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

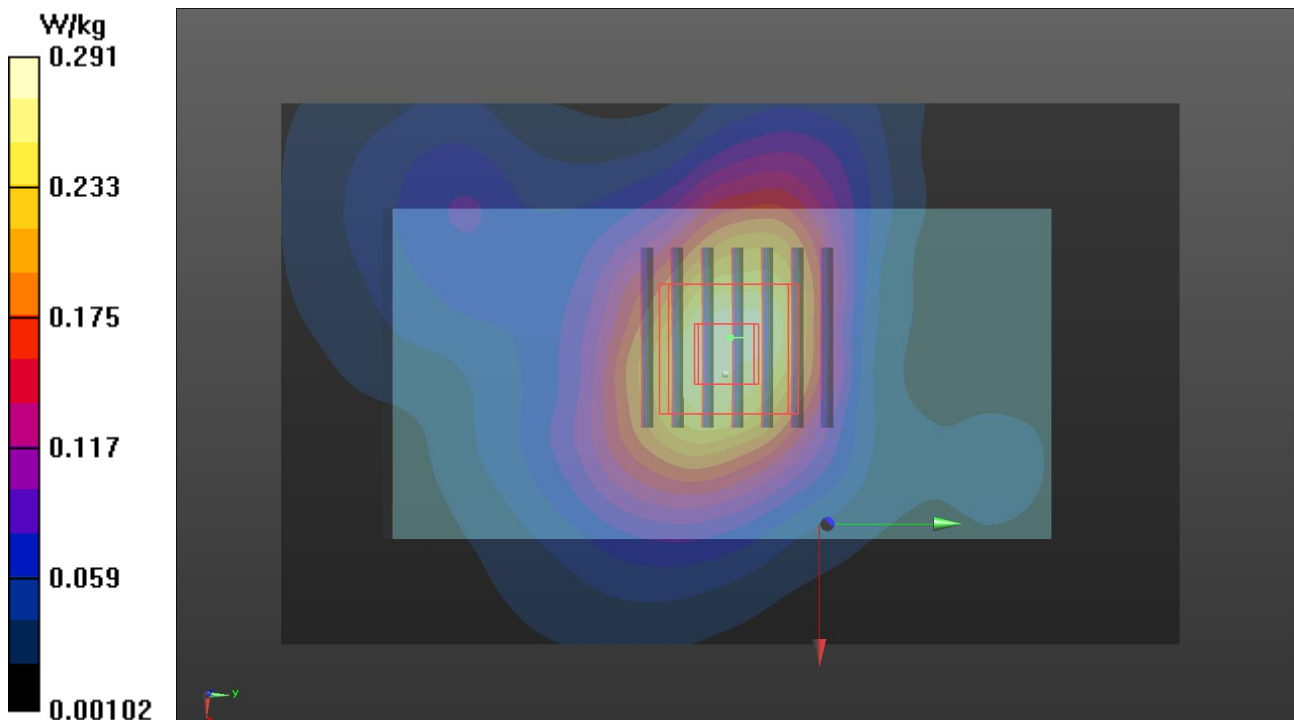
Peak SAR (extrapolated) = 0.345 W/kg

**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/m<sup>3</sup>

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

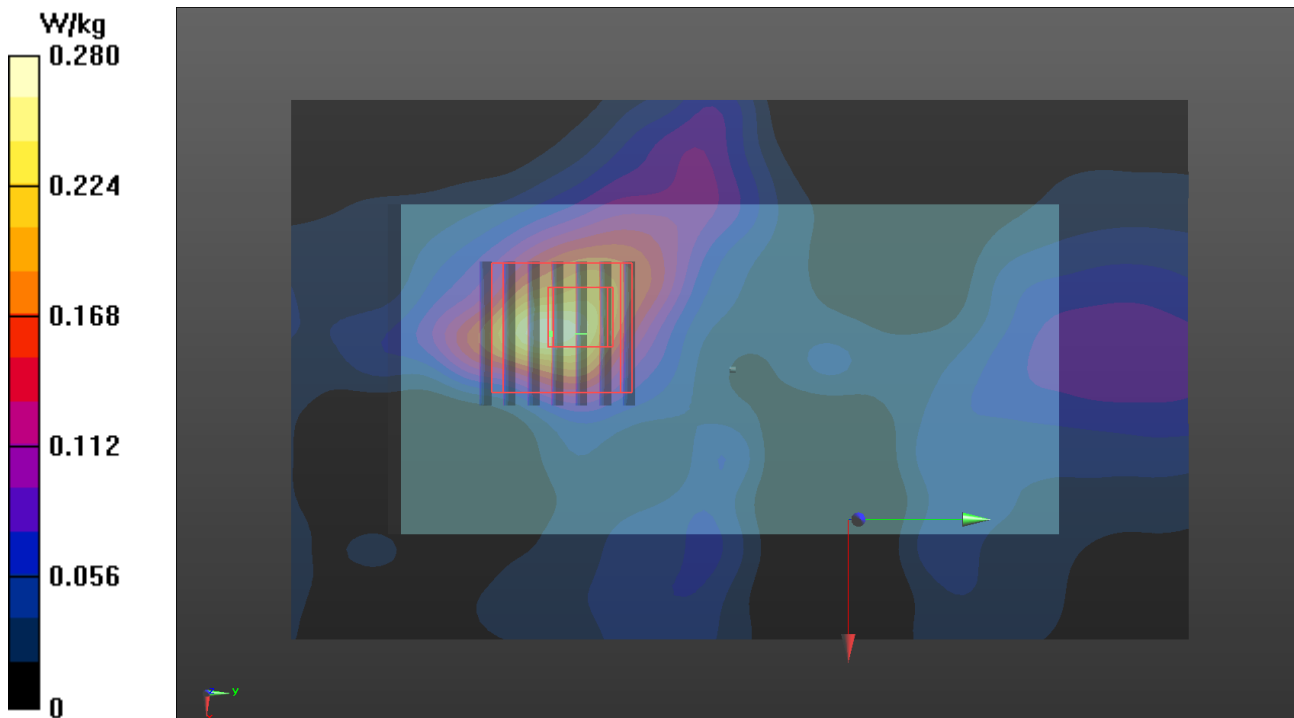
Peak SAR (extrapolated) = 0.433 W/kg

**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/m<sup>3</sup>

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:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

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

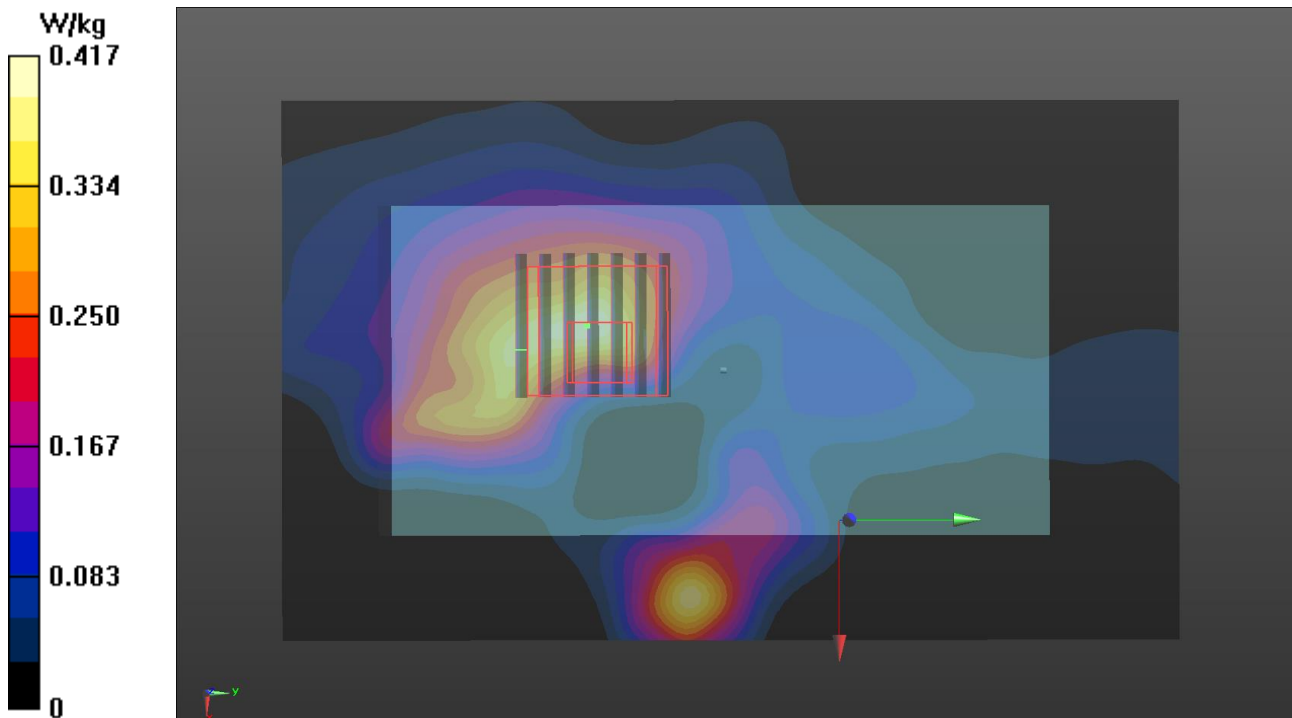
Peak SAR (extrapolated) = 0.976 W/kg

**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/m<sup>3</sup>

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

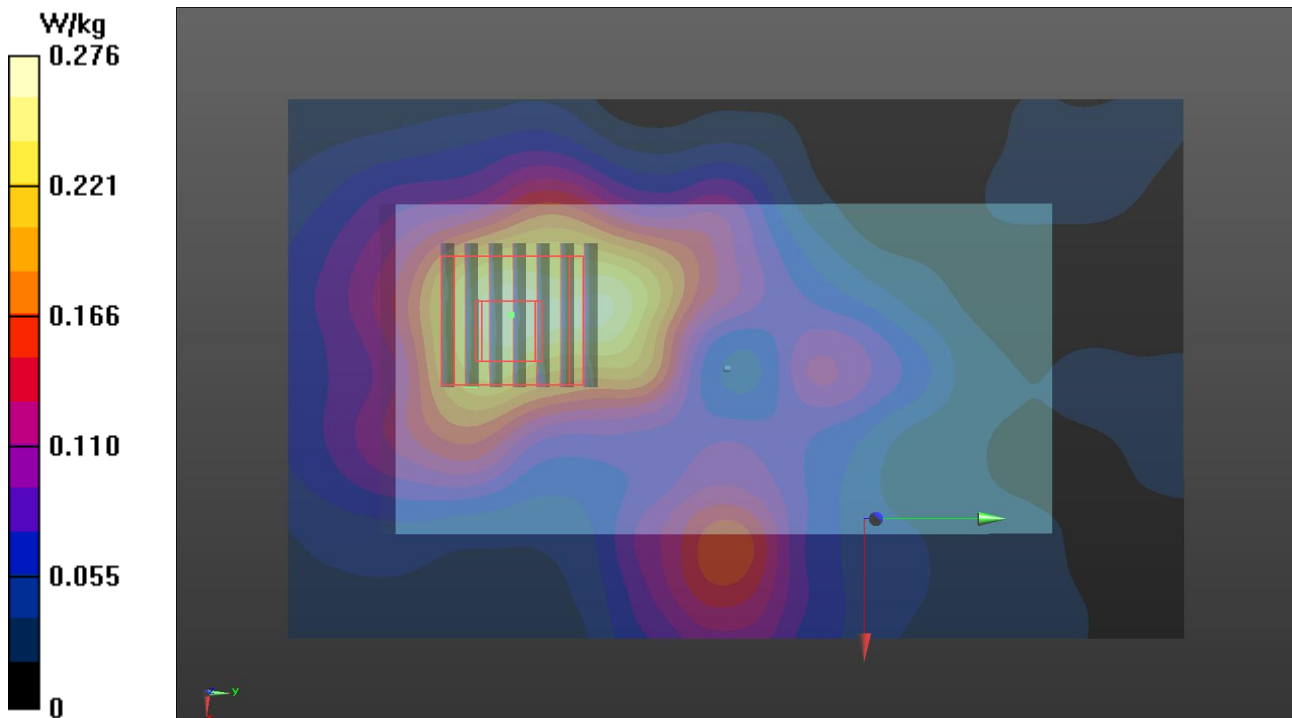
Peak SAR (extrapolated) = 1.57 W/kg

**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/m<sup>3</sup>

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

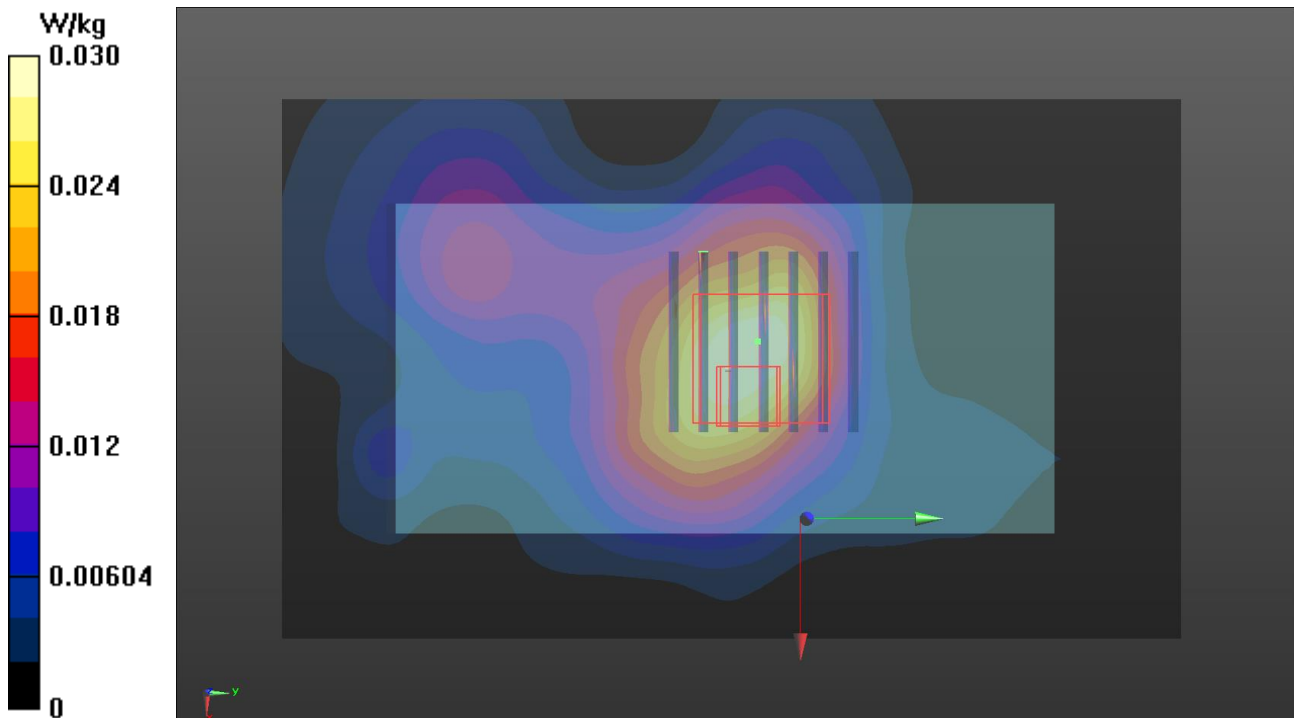
Peak SAR (extrapolated) = 0.0330 W/kg

**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/m<sup>3</sup>  
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

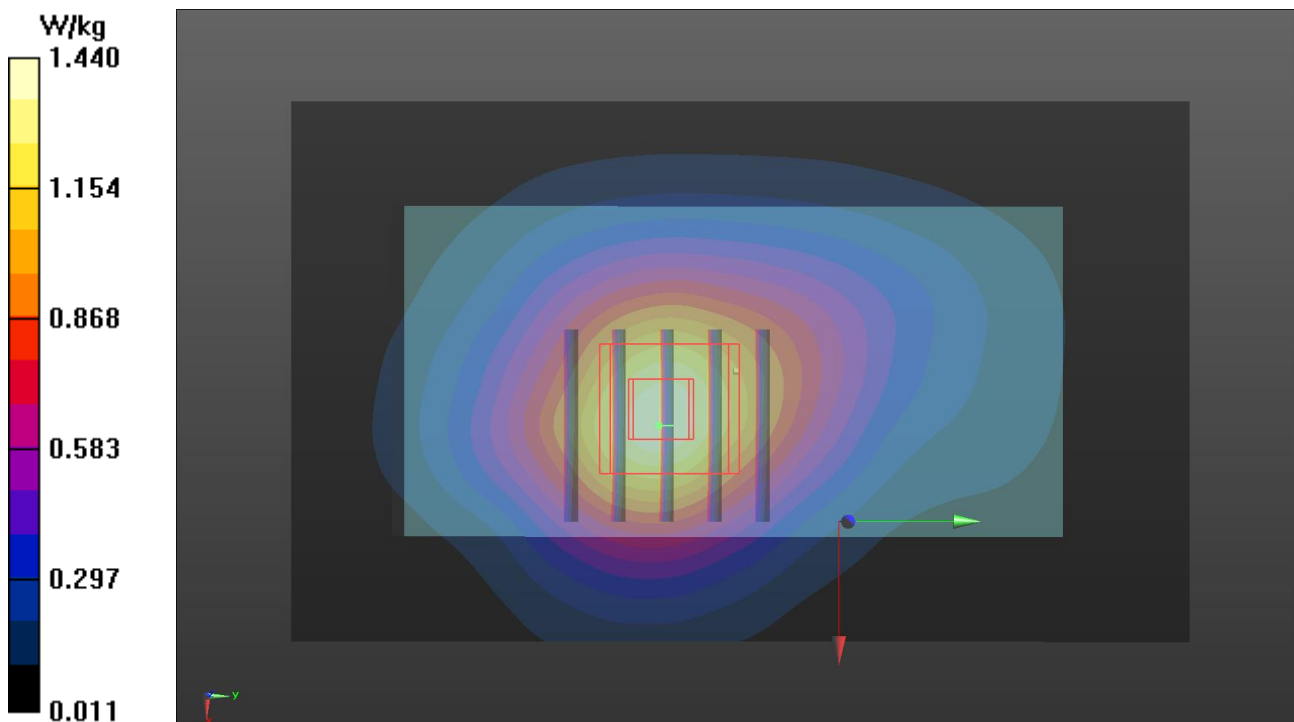
Peak SAR (extrapolated) = 1.66 W/kg

**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/m<sup>3</sup>

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

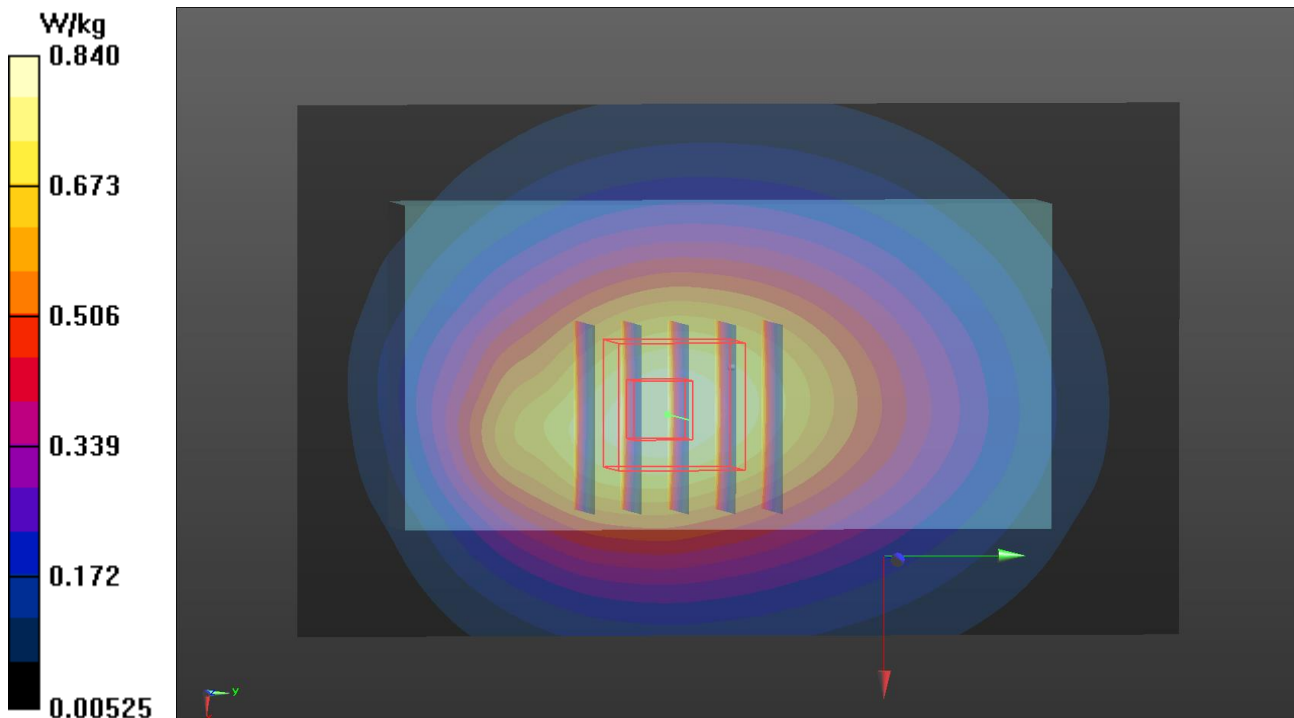
Peak SAR (extrapolated) = 1.00 W/kg

**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/m<sup>3</sup>

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:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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

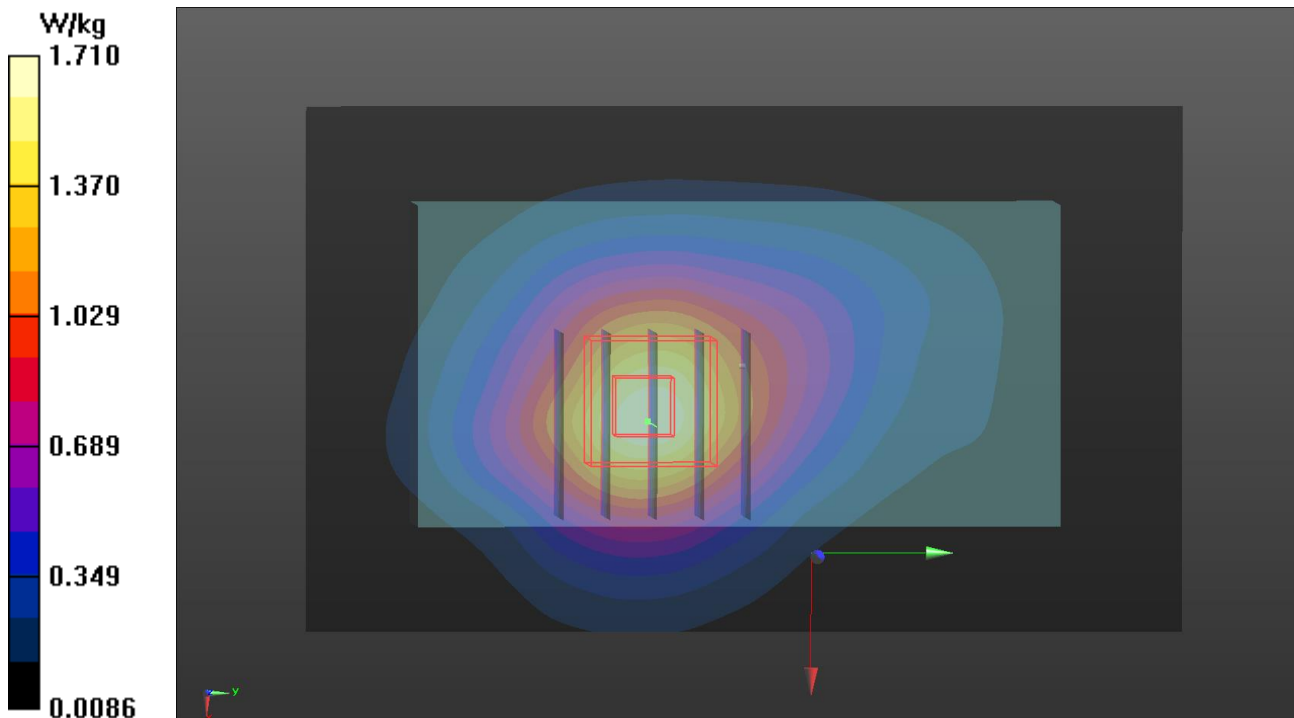
Peak SAR (extrapolated) = 1.52 W/kg

**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/m<sup>3</sup>

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

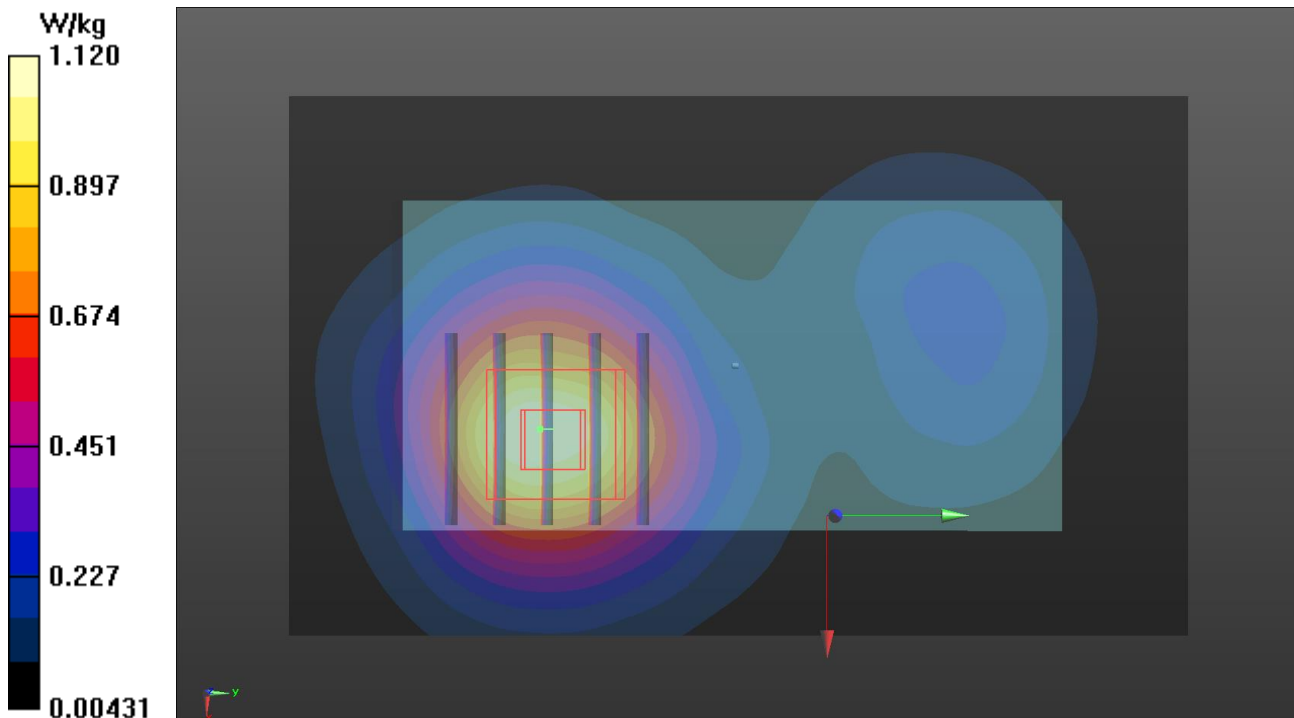
Peak SAR (extrapolated) = 1.29 W/kg

**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/m<sup>3</sup>

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

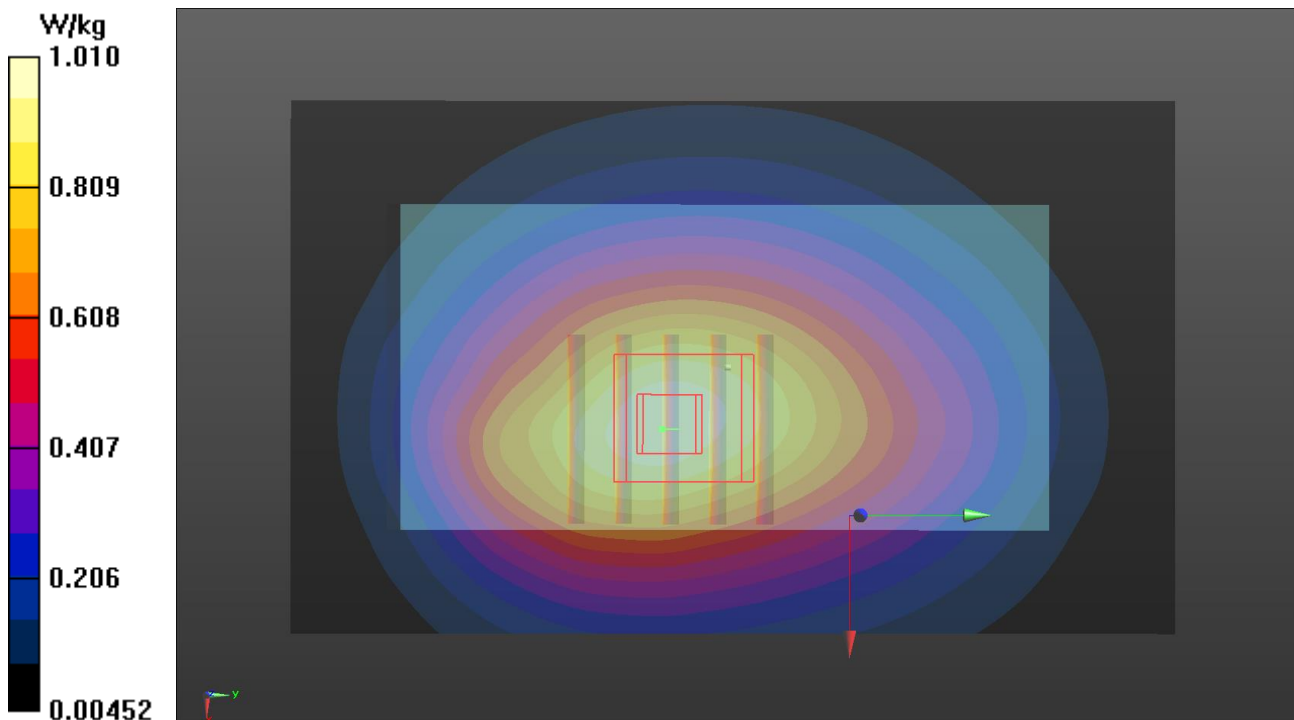
Peak SAR (extrapolated) = 1.12 W/kg

**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/m<sup>3</sup>

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

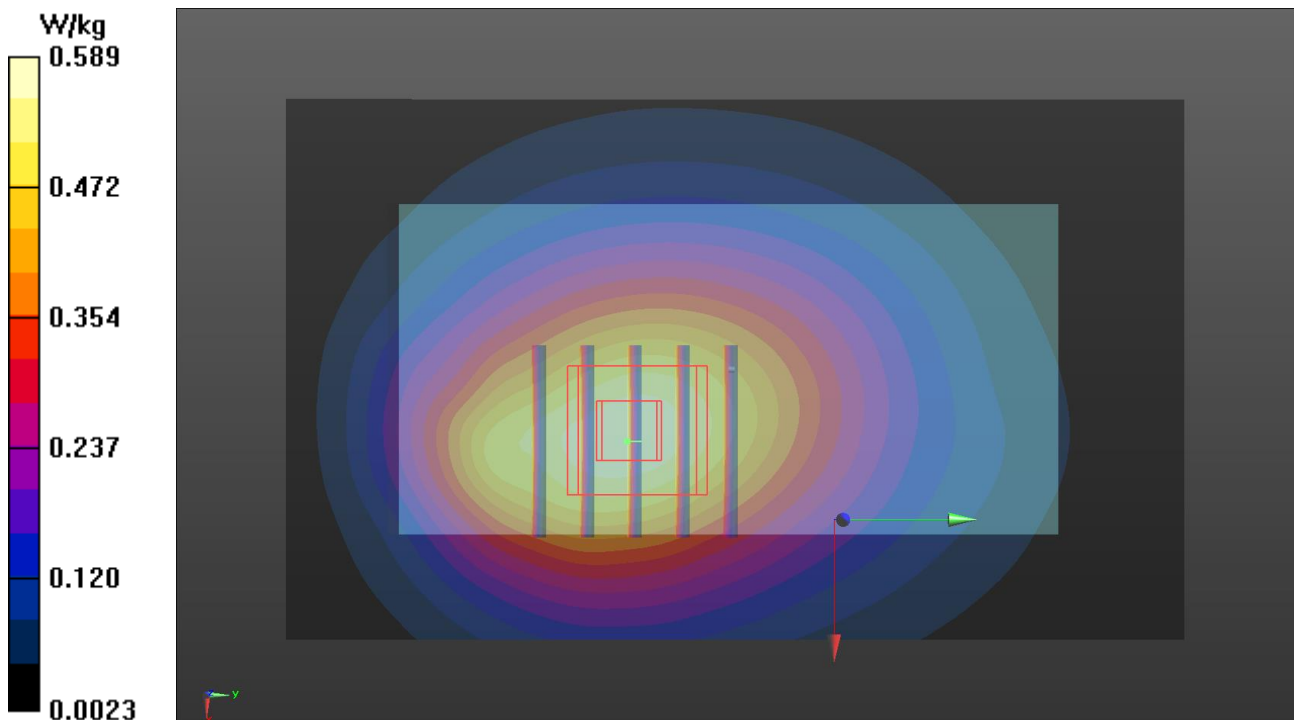
Peak SAR (extrapolated) = 0.660 W/kg

**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/m<sup>3</sup>

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:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

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

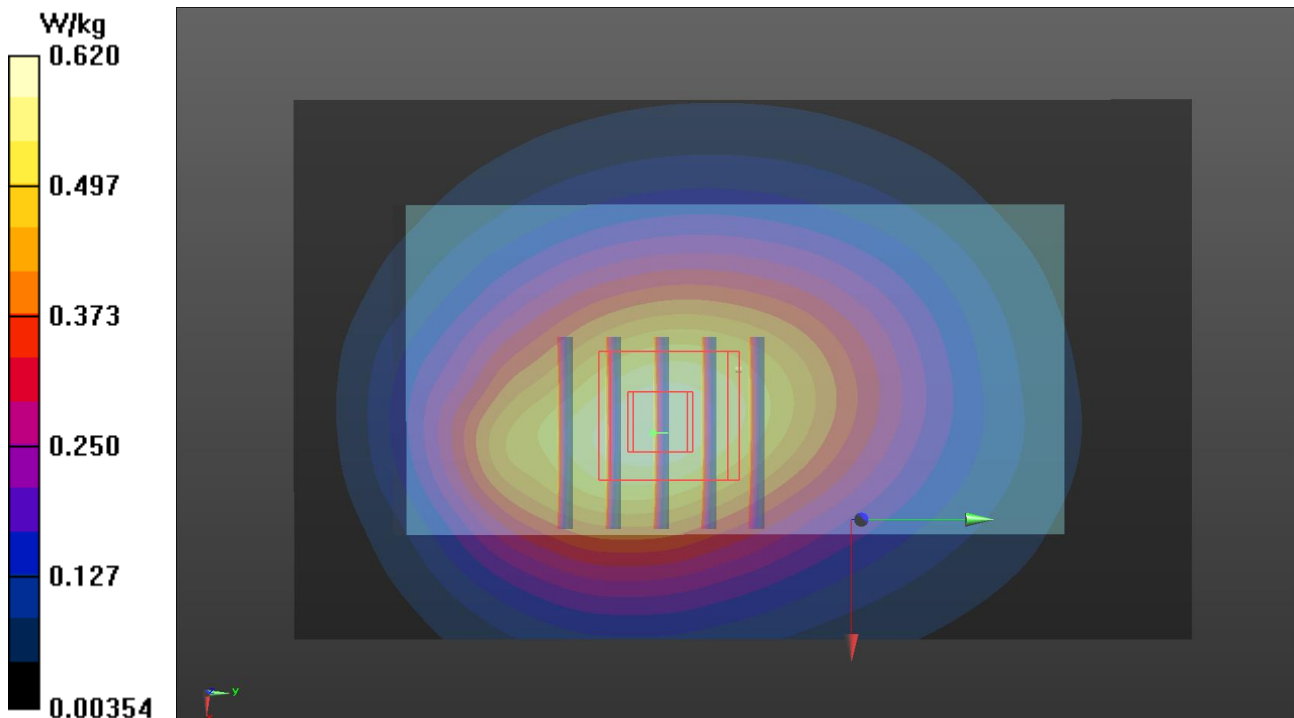
Peak SAR (extrapolated) = 0.683 W/kg

**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/m<sup>3</sup>

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

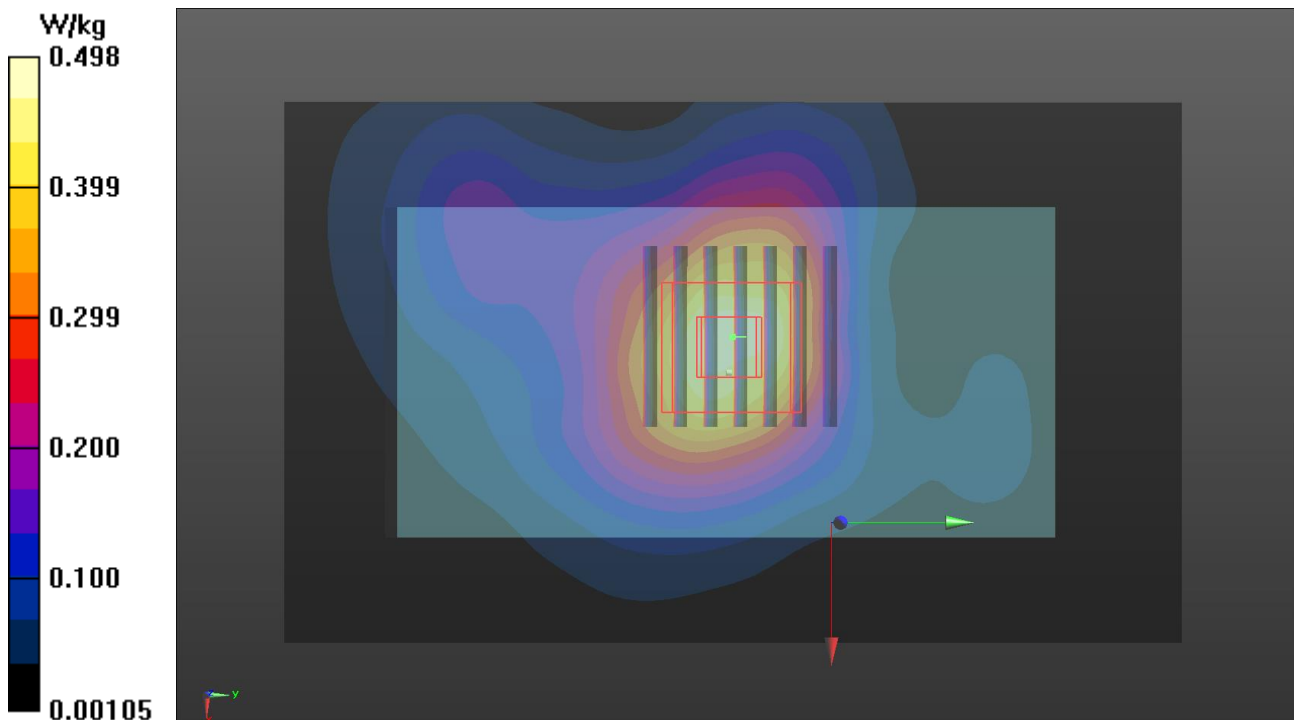
Peak SAR (extrapolated) = 0.565 W/kg

**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  $\pm 2$  °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 (ε <sub>r</sub> ) | Targeted Conductivity (σ) | Targeted Permittivity (ε <sub>r</sub> ) | Deviation Conductivity (σ) | Deviation Permittivity (ε <sub>r</sub> ) | 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<br>DC-HSDPA<br>HSUPA |
|                                 | Maximum<br>Target Power | Maximum<br>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<br>DC-HSDPA<br>HSUPA |
|                                              | Maximum<br>Target Power | Maximum<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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<br>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 / Hotspot Exposure 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) |
| 30                      | 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                 |
|                         | 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                 |
|                         |          |         |               |                          |         |     |           |                 |                 |            |              |                          |                                |                |                  |                        |                      |
| 31                      | 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                 |
|                         | 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                 |
|                         |          |         |               |                          |         |     |           |                 |                 |            |              |                          |                                |                |                  |                        |                      |
| 32                      | 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                 |
|                         | 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    | 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 | 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<br>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<sub>1g</sub> 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        |

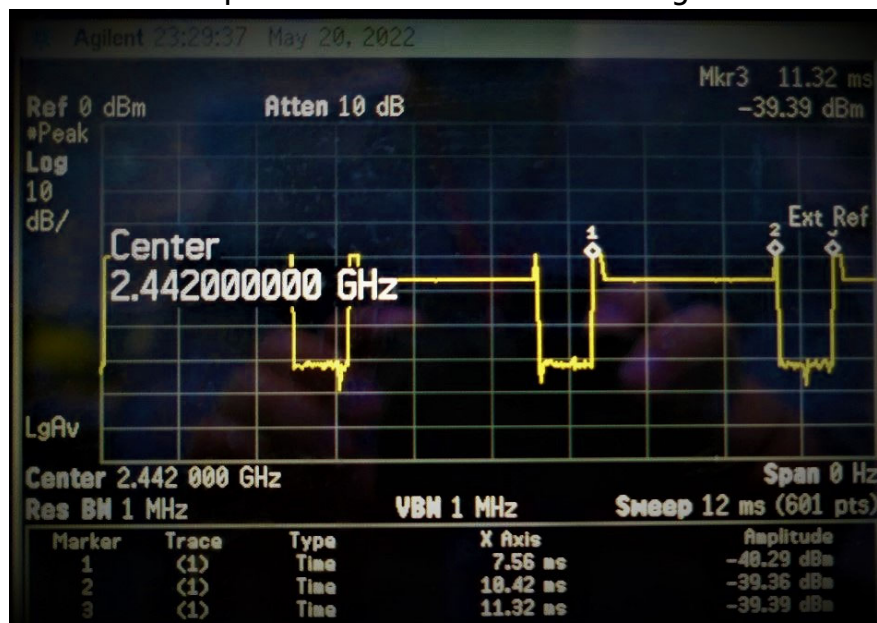
## Annex K. Considerations Related to Bluetooth for Setup and Testing

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.

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