Appendix A. Plots of System Verification

The plots for system verification are shown as follows.

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/03

S01 System Check_H1900_221003

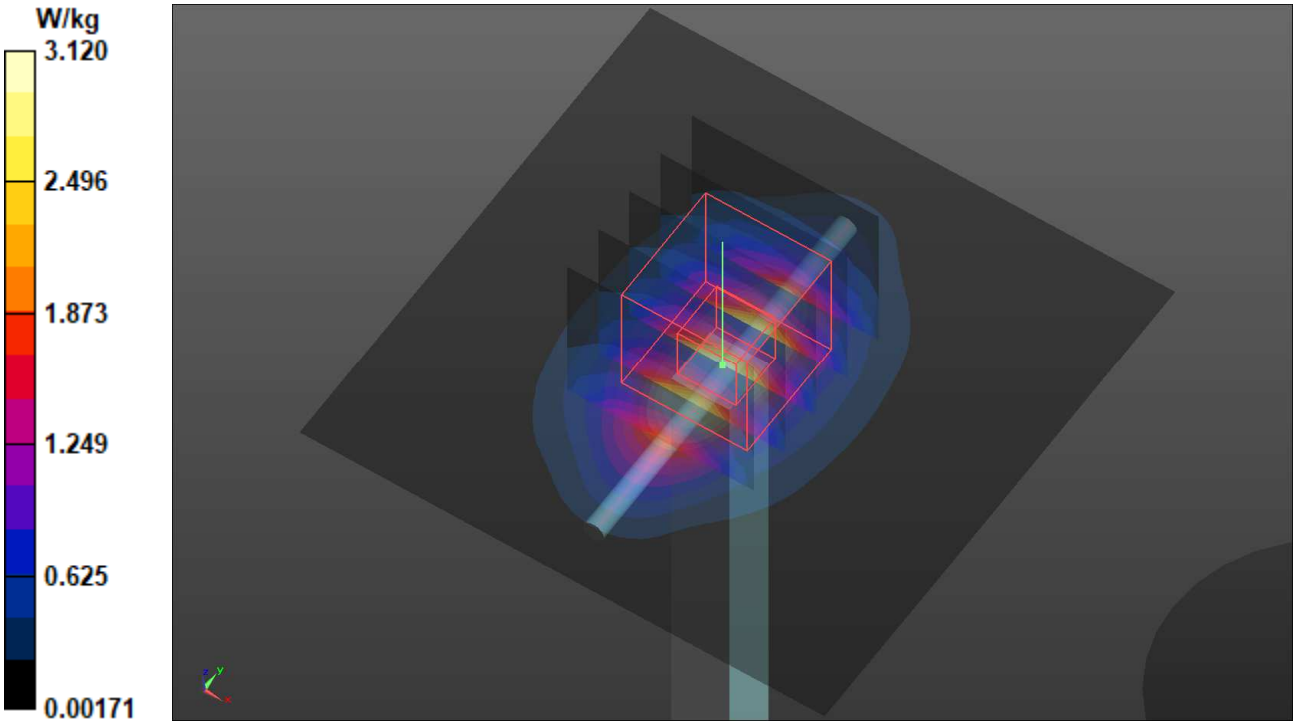
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1003 Medium parameters used: f = 1900 MHz; σ = 1.404 S/m; ε_r = 40.384; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.24, 8.24, 8.24) @ 1900 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.12 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.52 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.79 W/kg
SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.02 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.15 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/03

S02 System Check_H1750_221003

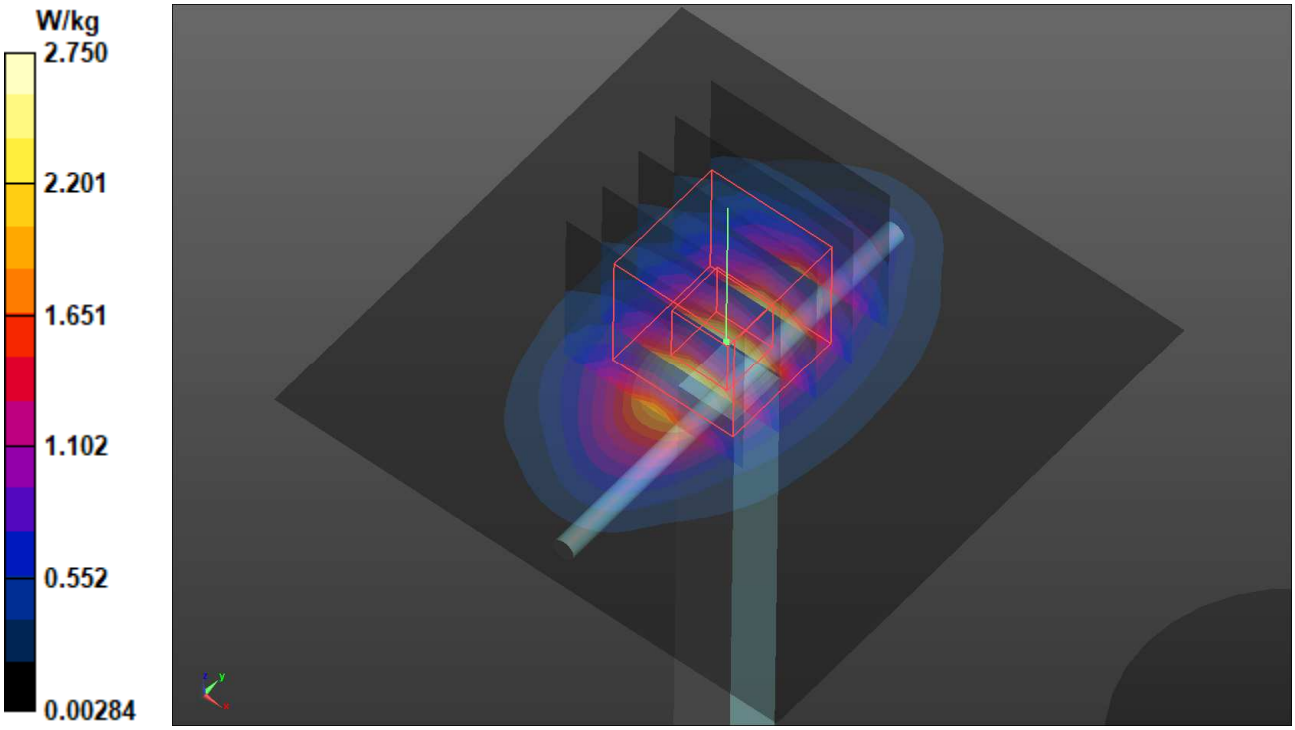
DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: UID 0, CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1003 Medium parameters used: f = 1750 MHz; σ = 1.324 S/m; ε_r = 40.654; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.6, 8.6, 8.6) @ 1750 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.75 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.60 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.27 W/kg
SAR(1 g) = 1.78 W/kg; SAR(10 g) = 0.928 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.73 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/03

S03 System Check_H835_221003

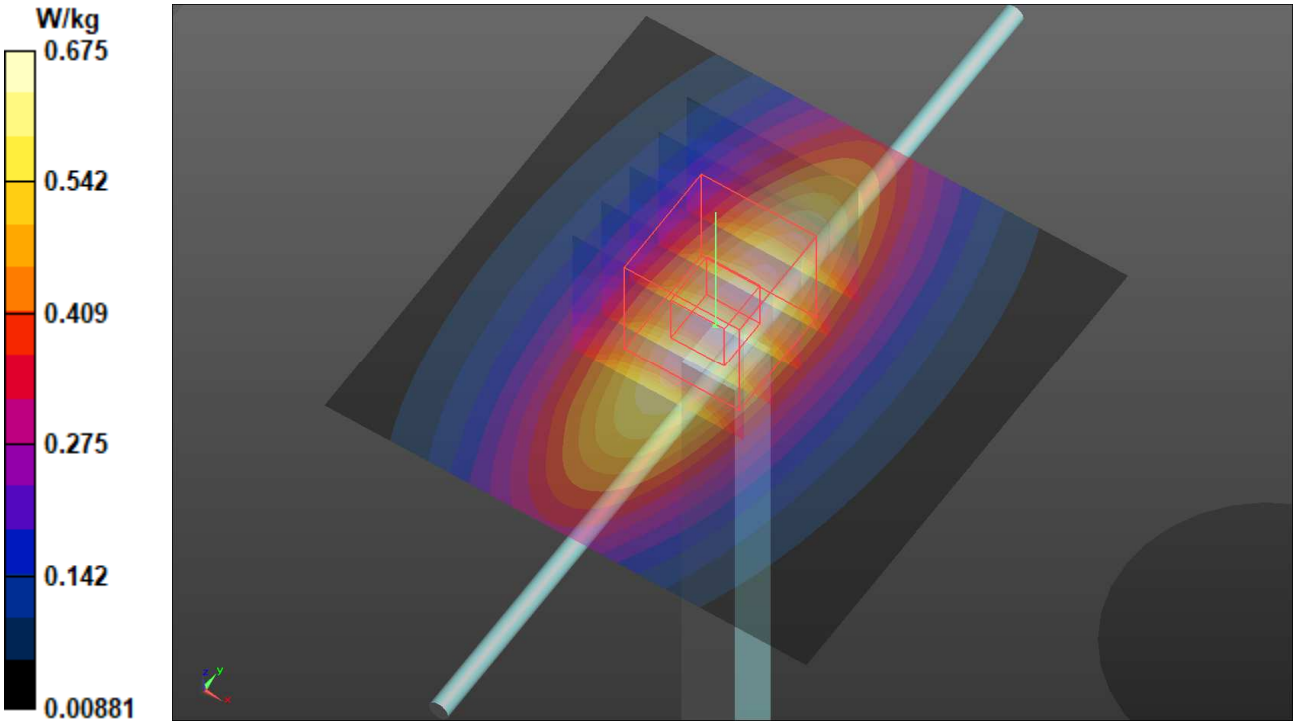
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1003 Medium parameters used: f = 835 MHz; σ = 0.931 S/m; ε_r = 40.566; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(10.01, 10.01, 10.01) @ 835 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.675 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.74 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.774 W/kg
SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.320 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.683 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/03

S04 System Check_H1900_221003

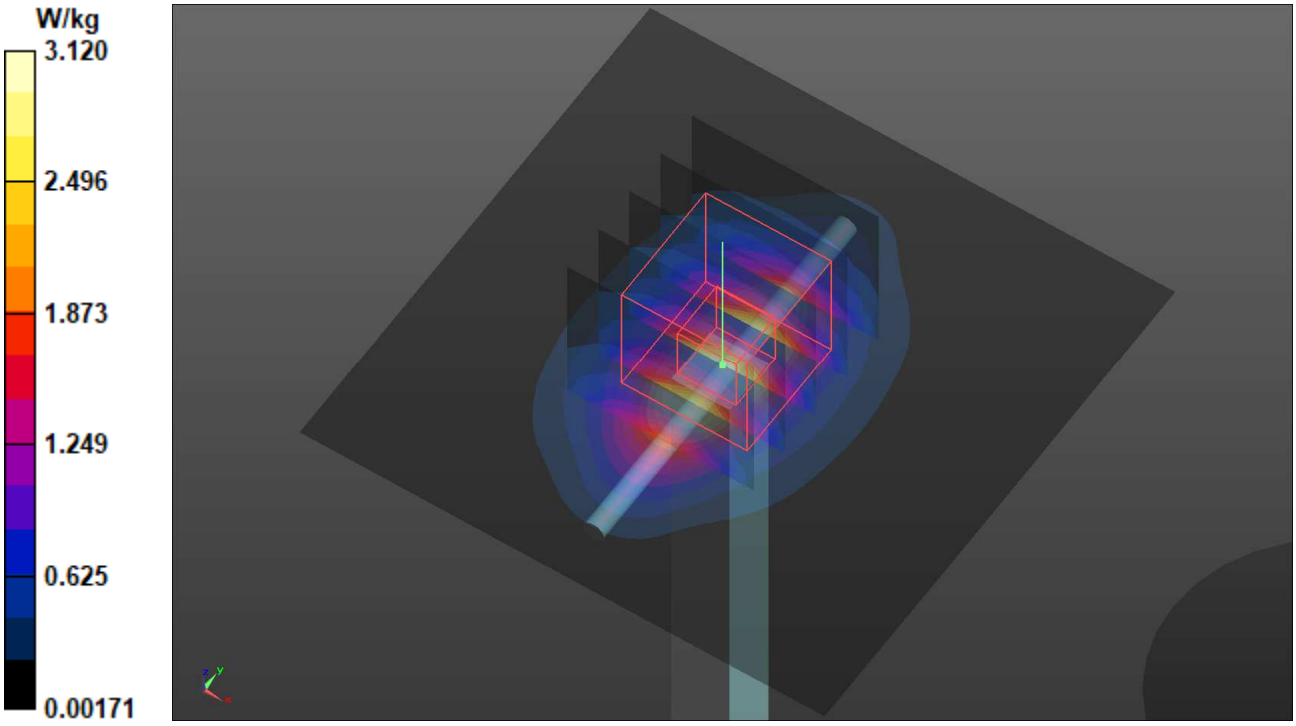
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1003 Medium parameters used: f = 1900 MHz; σ = 1.404 S/m; ε_r = 40.384; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.24, 8.24, 8.24) @ 1900 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.12 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.52 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.79 W/kg
SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.02 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.15 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/03

S05 System Check_H1750_221003

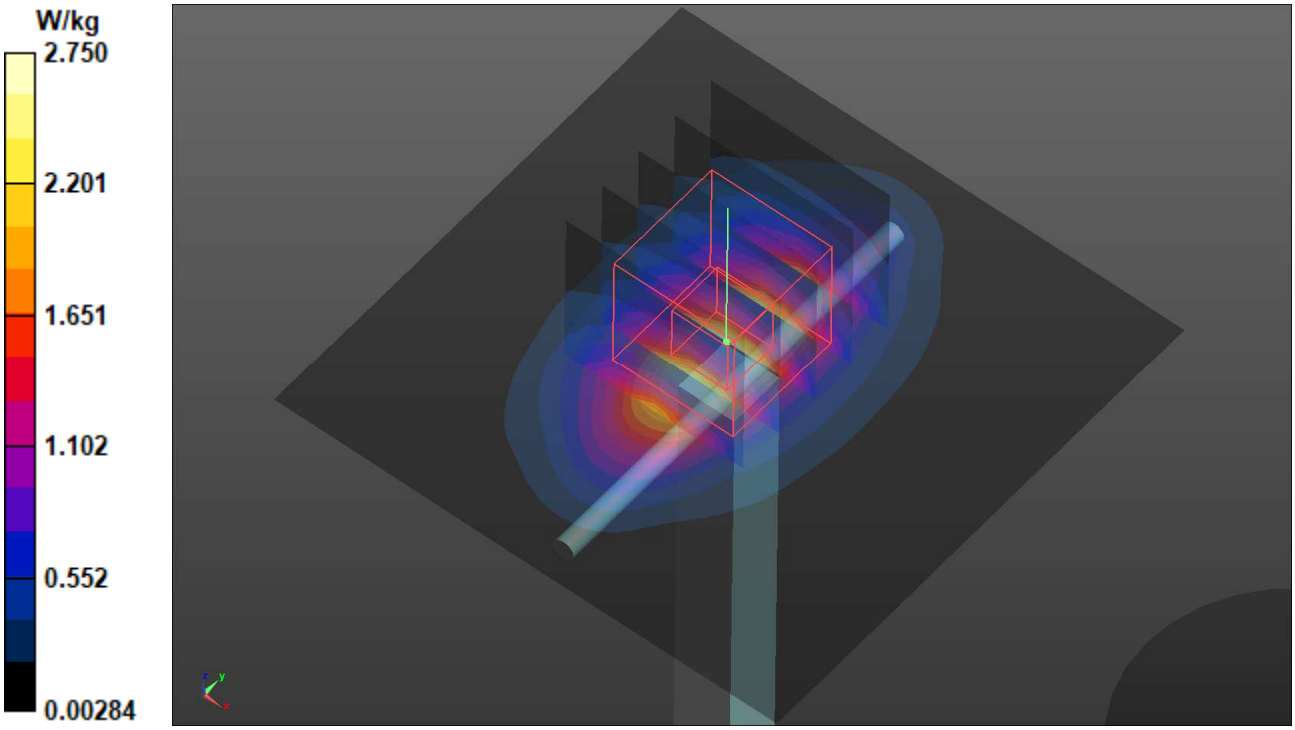
DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: UID 0, CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1003 Medium parameters used: f = 1750 MHz; σ = 1.324 S/m; ε_r = 40.654; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.6, 8.6, 8.6) @ 1750 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.75 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.60 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.27 W/kg
SAR(1 g) = 1.78 W/kg; SAR(10 g) = 0.928 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.73 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/04

S06 System Check_H835_221004

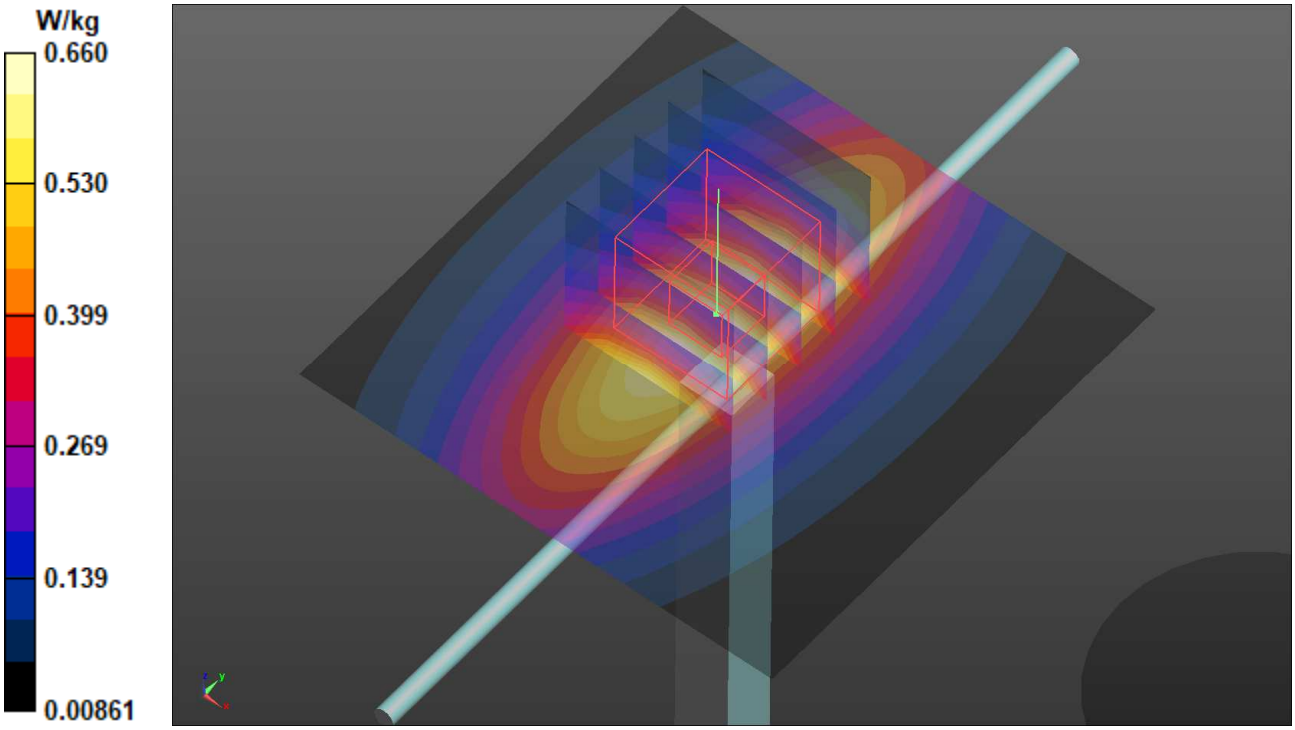
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1004 Medium parameters used: f = 835 MHz; σ = 0.91 S/m; ε_r = 39.67; ρ = 1000 kg/m^3
Ambient Temperature : 23.5 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(10.01, 10.01, 10.01) @ 835 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.660 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.74 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.756 W/kg
SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.316 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.667 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/04

S07 System Check_H2600_221004

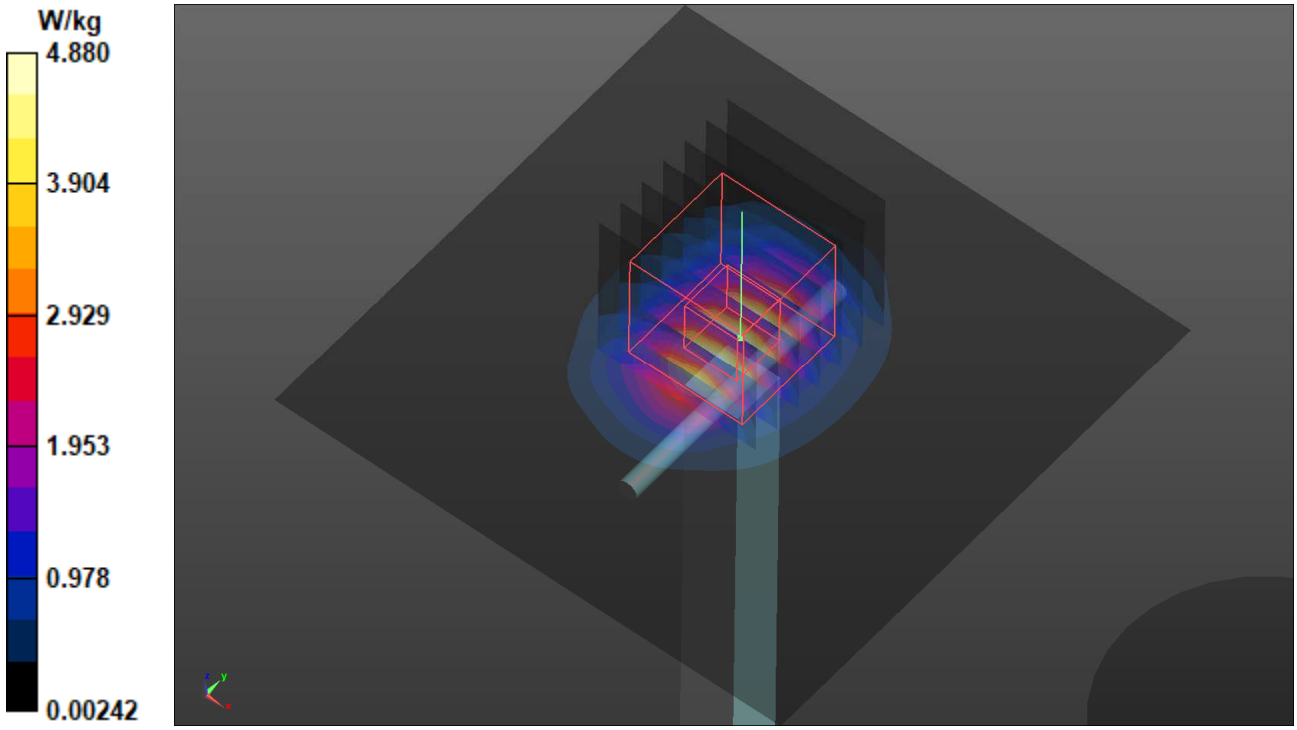
DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1020

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: H19T27N1_1004 Medium parameters used: f = 2600 MHz; σ = 2.029 S/m; ε_r = 38.61; ρ = 1000 kg/m^3
Ambient Temperature : 23.5 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(7.23, 7.23, 7.23) @ 2600 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.88 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 48.52 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 6.15 W/kg
SAR(1 g) = 2.83 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.90 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/04

S08 System Check_H750_221004

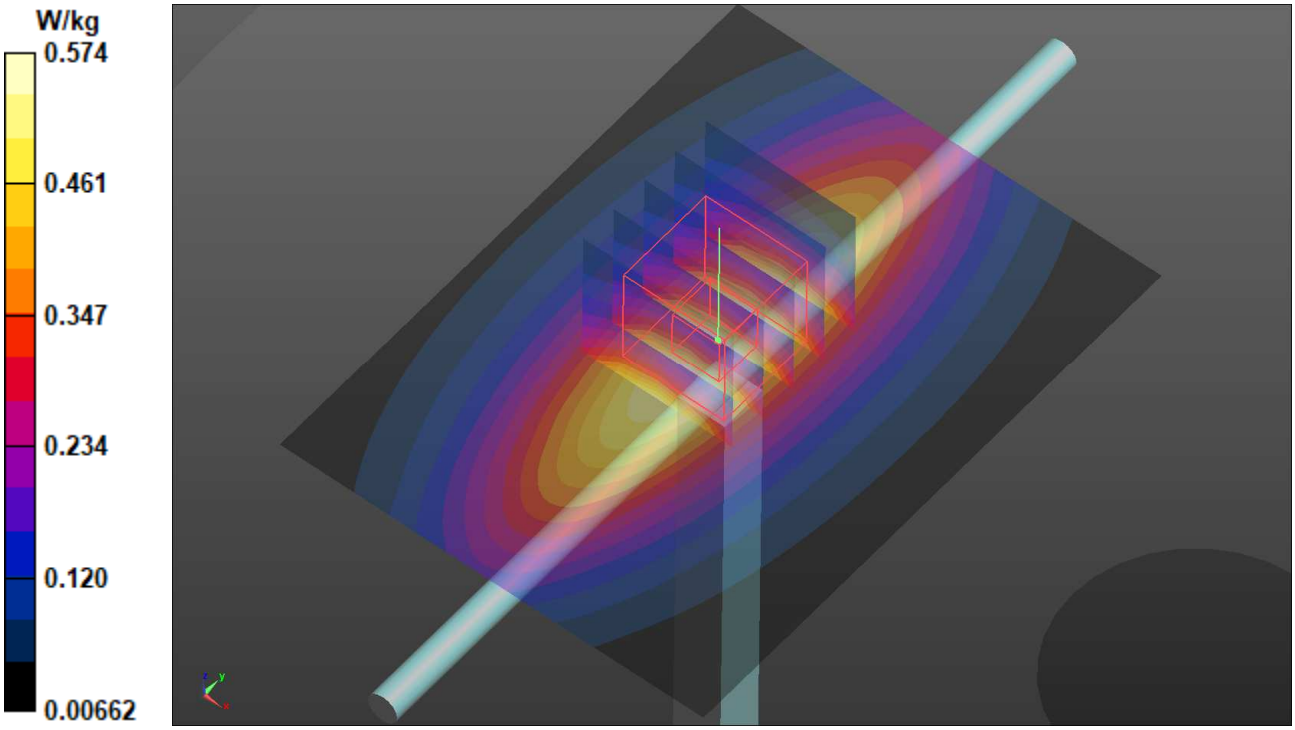
DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: H06T09N1_1004 Medium parameters used: f = 750 MHz; σ = 0.916 S/m; ε_r = 41.728; ρ = 1000 kg/m^3
Ambient Temperature : 23.5 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(10.48, 10.48, 10.48) @ 750 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.574 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.92 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.656 W/kg
SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.273 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.576 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/04

S09 System Check_H750_221004

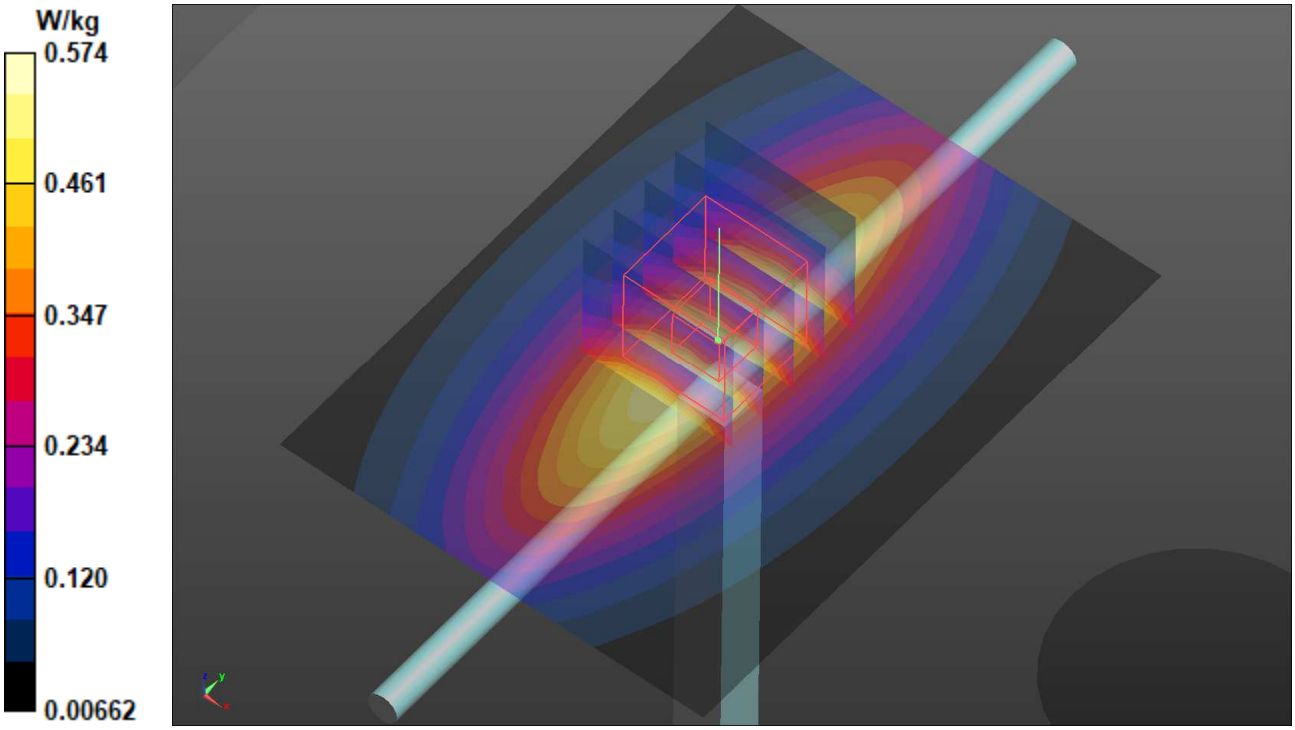
DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: H06T09N1_1004 Medium parameters used: f = 750 MHz; σ = 0.916 S/m; ε_r = 41.728; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(10.48, 10.48, 10.48) @ 750 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.574 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.92 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.656 W/kg
SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.273 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.576 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/24

S11 System Check_H2450_221024

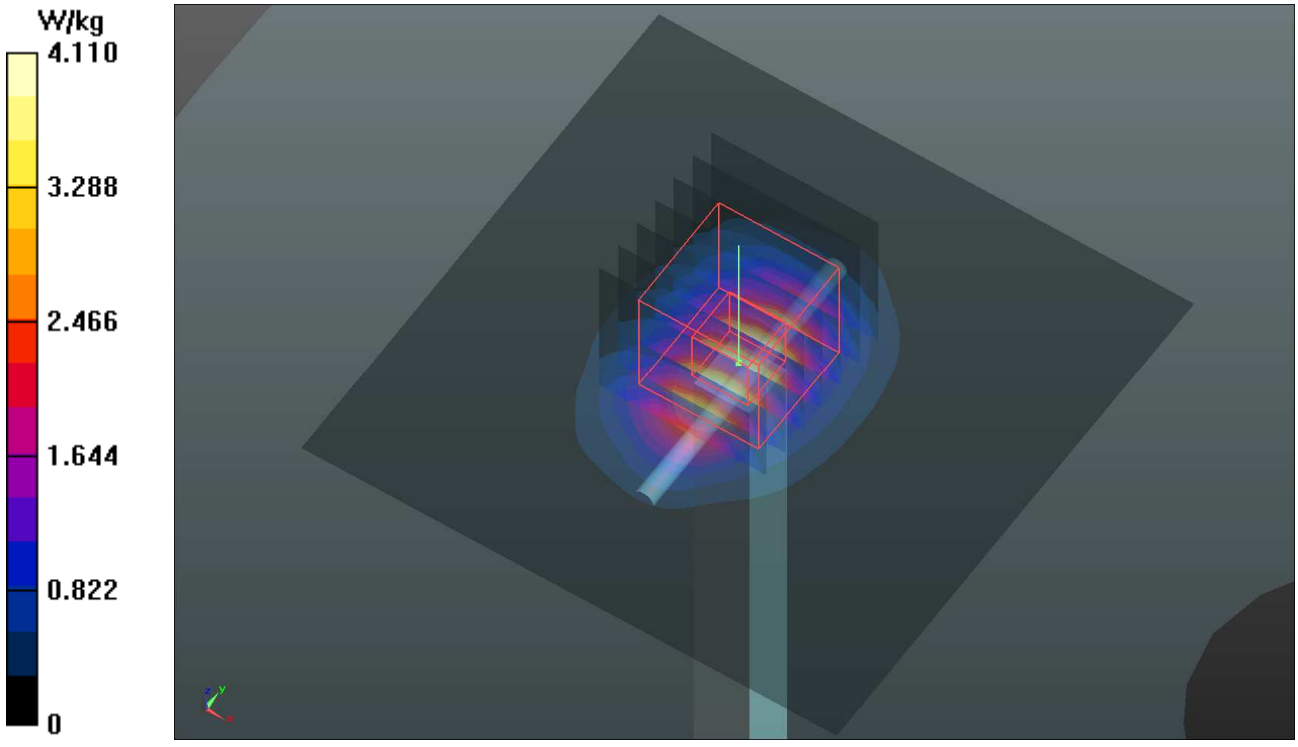
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H19T27N1_1024 Medium parameters used: f = 2450 MHz; σ = 1.849 S/m; ε_r = 38.181; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃ ； Liquid Temperature：23.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7707; ConvF(8.13, 8.13, 8.13) @ 2450 MHz; Calibrated: 2022/02/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2022/02/23
- Phantom: Twin SAM Phantom_1885; Type: QD000P40CD;
- 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) = 4.11 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 47.32 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 5.15 W/kg
SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.15 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/21

S12 System Check_H5250_221021

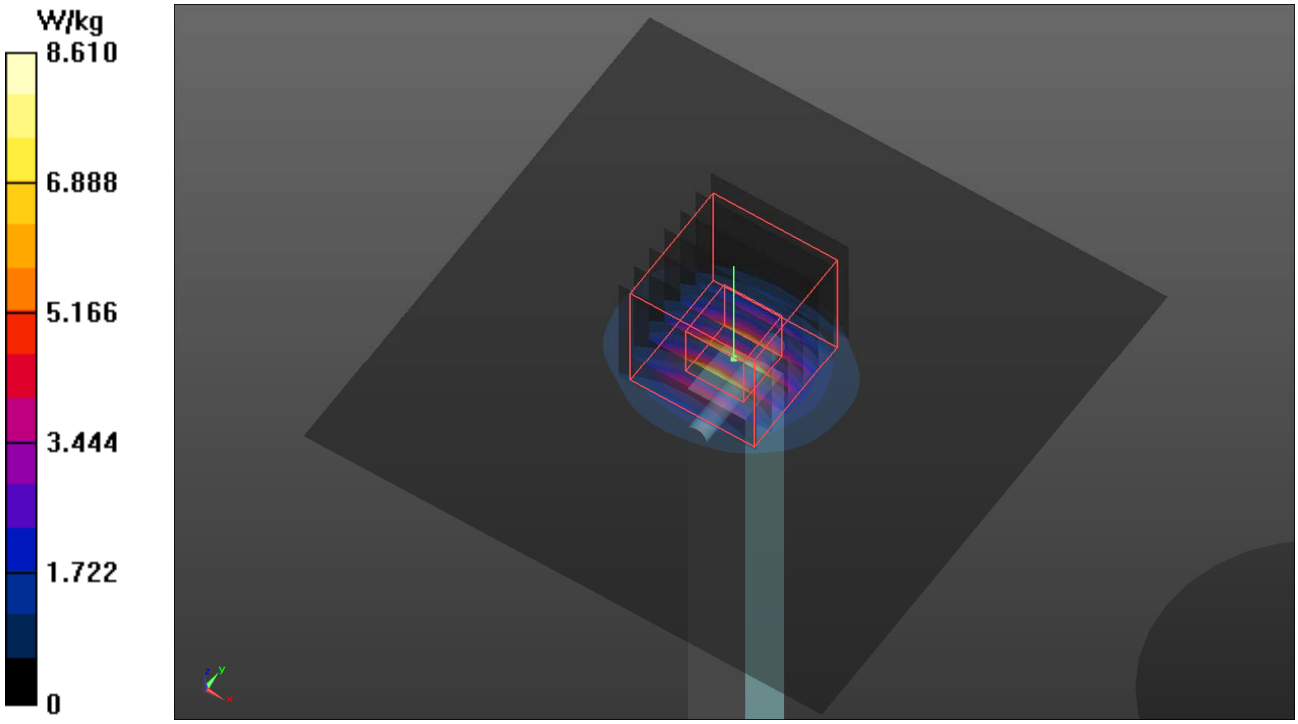
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: H34T60N1_1021 Medium parameters used: f = 5250 MHz; σ = 4.697 S/m; ε_r = 36.216; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ; Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(5.54, 5.54, 5.54) @ 5250 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: Twin SAM Phantom_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.61 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.78 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 14.1 W/kg
SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.07 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.25 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/21

S13 System Check_H5750_221021

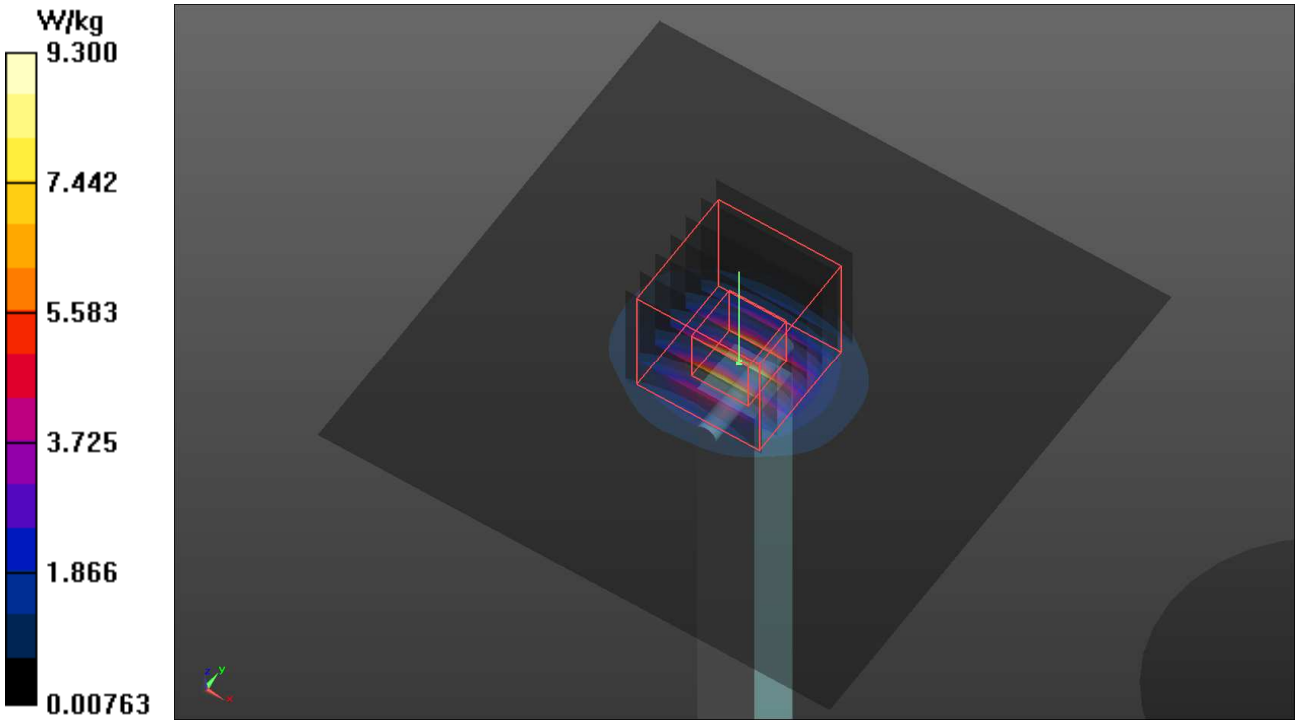
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H34T60N1_1021 Medium parameters used: f = 5750 MHz; σ = 5.254 S/m; ε_r = 35.524; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ; Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5750 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: Twin SAM Phantom_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.30 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.39 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 16.9 W/kg
SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.05 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.86 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/21

S14 System Check_H2450_221021

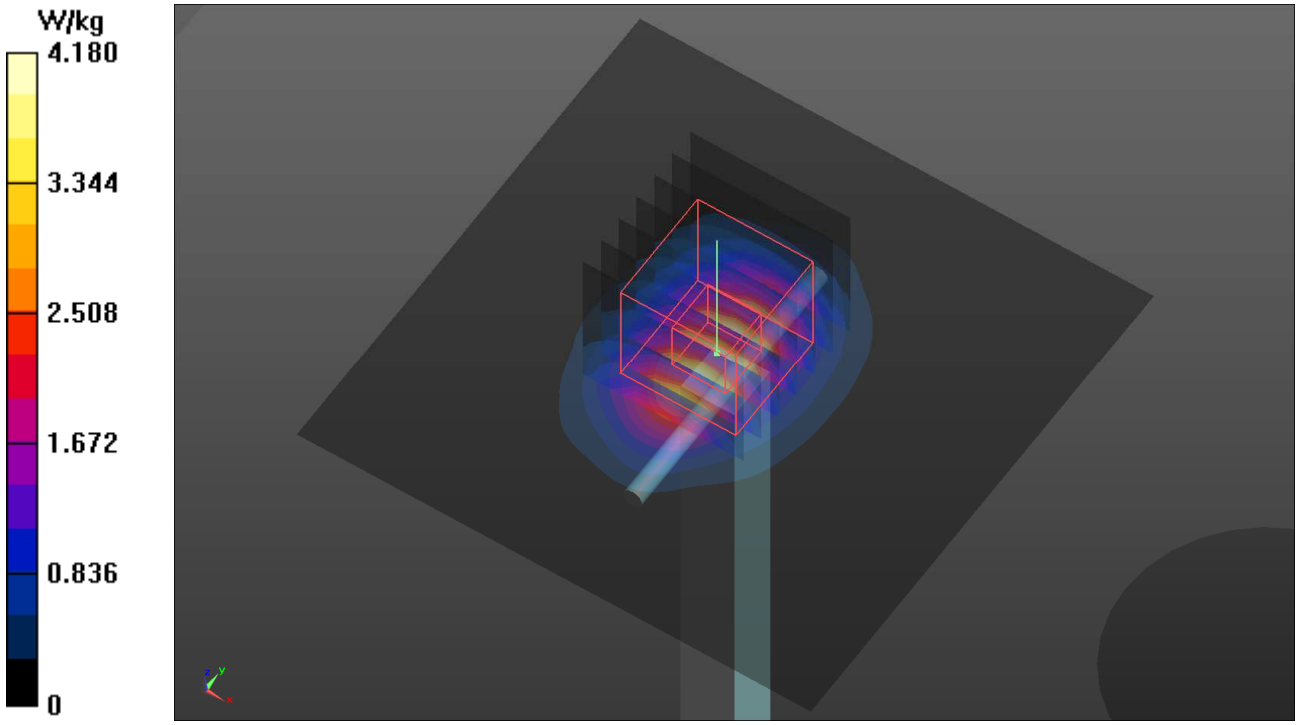
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H19T27N1_1021 Medium parameters used: f = 2450 MHz; σ = 1.811 S/m; ε_r = 37.447; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ; Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2450 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: Twin SAM Phantom_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.18 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.09 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 5.15 W/kg
SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.18 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.23 W/kg



Appendix 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.

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/03

P01 WCDMA II_RMC12.2K_Rear Face_0mm_CH9262_Earphone_w_o

DUT: BBGM-WTW-P22090842

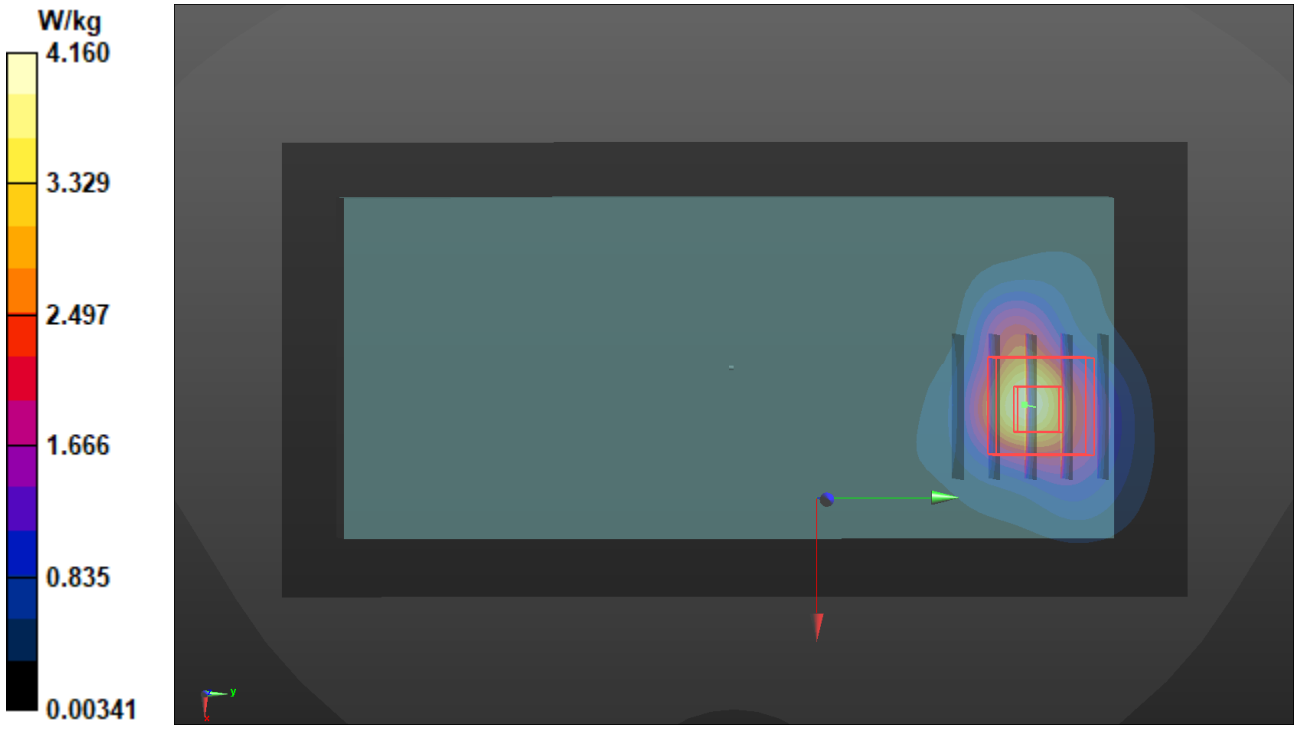
Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1852.4 MHz;Duty Cycle: 1:1.95
Medium: H16T20N1_1003 Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.378 S/m; ε_r = 40.453; ρ = 1000 kg/m^3

Ambient Temperature：23.6 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.24, 8.24, 8.24) @ 1852.4 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.16 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.05 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 5.64 W/kg
SAR(1 g) = 3.11 W/kg; SAR(10 g) = 1.54 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 = 55.8%
Maximum value of SAR (measured) = 4.55 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/03

P02 WCDMA IV_RMC12.2K_Rear Face_0mm_CH1513_Earphone_w_o

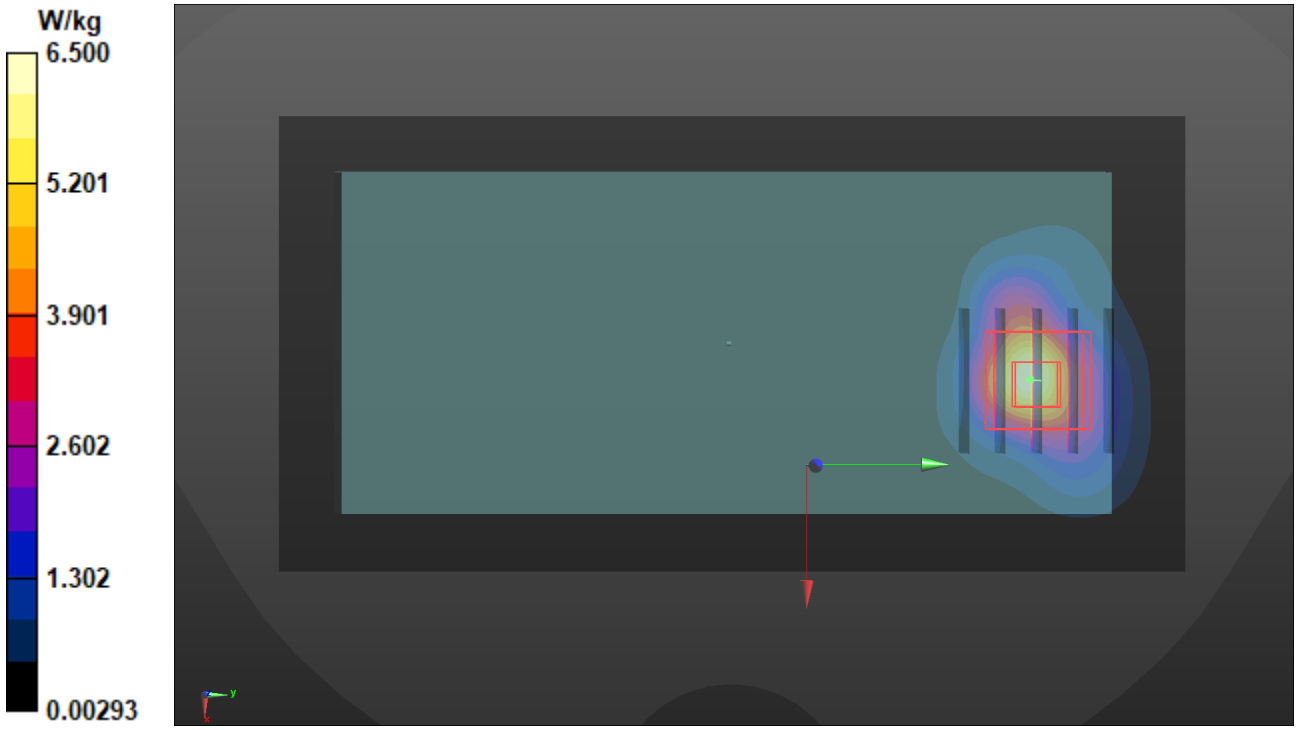
DUT: BBGM-WTW-P22090842

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1752.6 MHz;Duty Cycle: 1:1.95
Medium: H16T20N1_1003 Medium parameters used: f = 1753 MHz; σ = 1.325 S/m; ε_r = 40.653; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.6, 8.6, 8.6) @ 1752.6 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.50 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 64.69 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 8.60 W/kg
SAR(1 g) = 4.86 W/kg; SAR(10 g) = 2.45 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 58.8%
Maximum value of SAR (measured) = 6.91 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/03

P03 WCDMA V_RMC12.2K_Rear Face_0mm_CH4233_Earphone_w_o

DUT: BBGM-WTW-P22090842

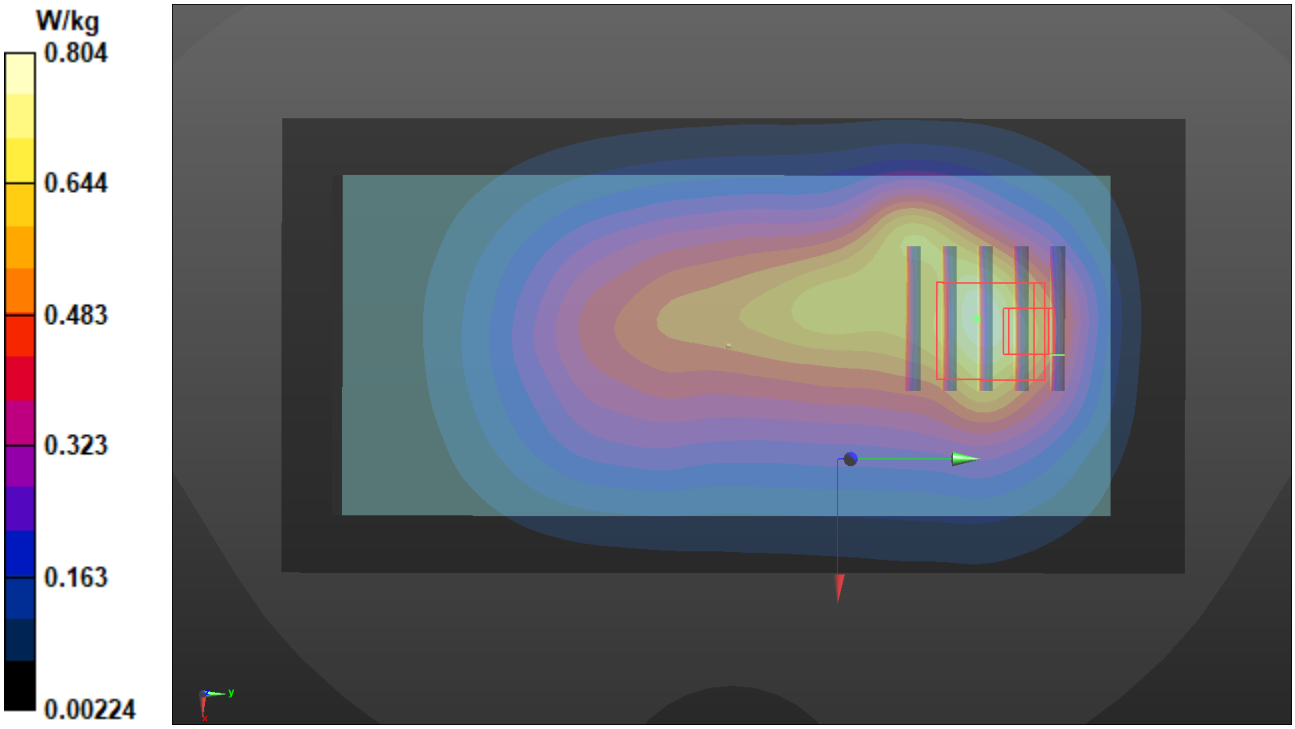
Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 846.6 MHz;Duty Cycle: 1:1.95
Medium: H07T10N1_1003 Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.935 S/m; ε_r = 40.533; ρ = 1000 kg/m^3

Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(10.01, 10.01, 10.01) @ 846.6 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.804 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.39 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.653 W/kg; SAR(10 g) = 0.404 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 11.6 mm
Ratio of SAR at M2 to SAR at M1 = 46.2%
Maximum value of SAR (measured) = 1.09 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/03

P04 LTE 2_QPSK20M_Rear Face_0mm_CH19100_1RB_OS0_Earphone_w_o

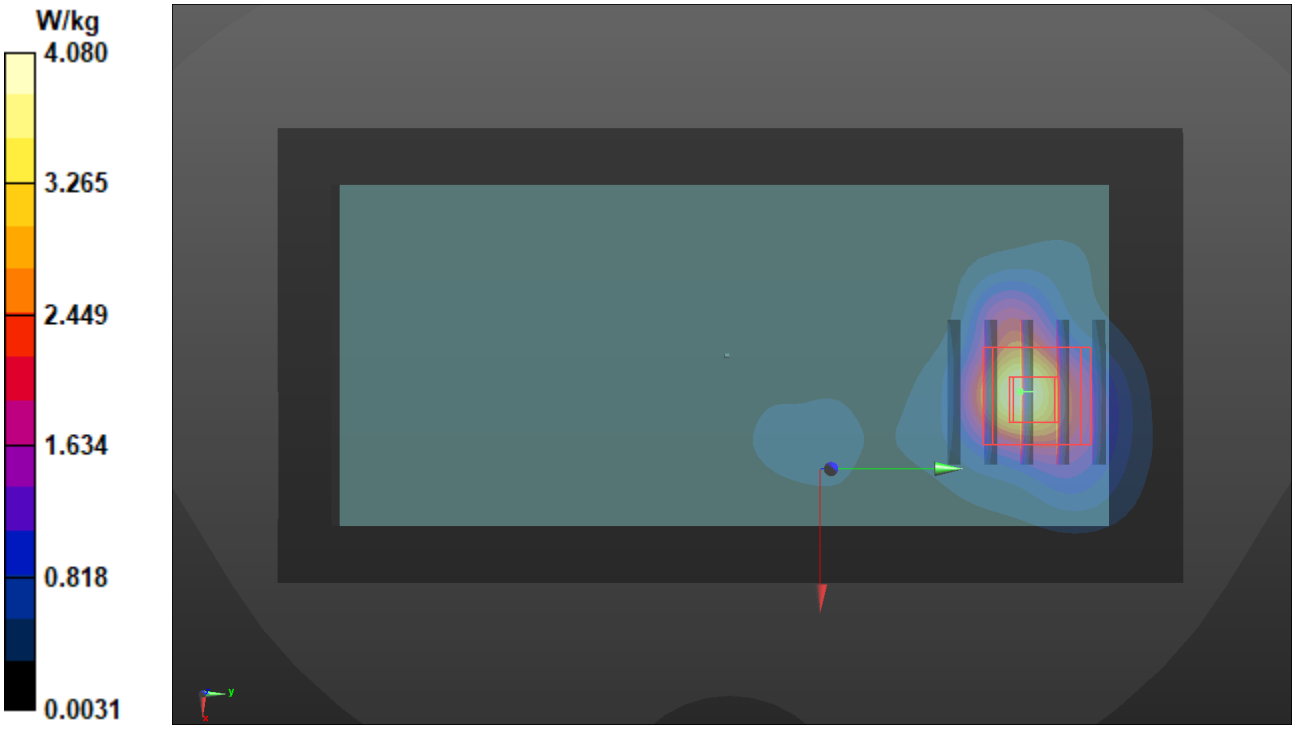
DUT: BBGM-WTW-P22090842

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1900 MHz;Duty Cycle: 1:3.74
Medium: H16T20N1_1003 Medium parameters used: f = 1900 MHz; σ = 1.404 S/m; ε_r = 40.384; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.24, 8.24, 8.24) @ 1900 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.08 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.00 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 5.67 W/kg
SAR(1 g) = 3.05 W/kg; SAR(10 g) = 1.52 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 55.3%
Maximum value of SAR (measured) = 4.53 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/03

P05 LTE 4_QPSK20M_Top Side_0mm_CH20050_1RB_OS0_Earphone_w_o

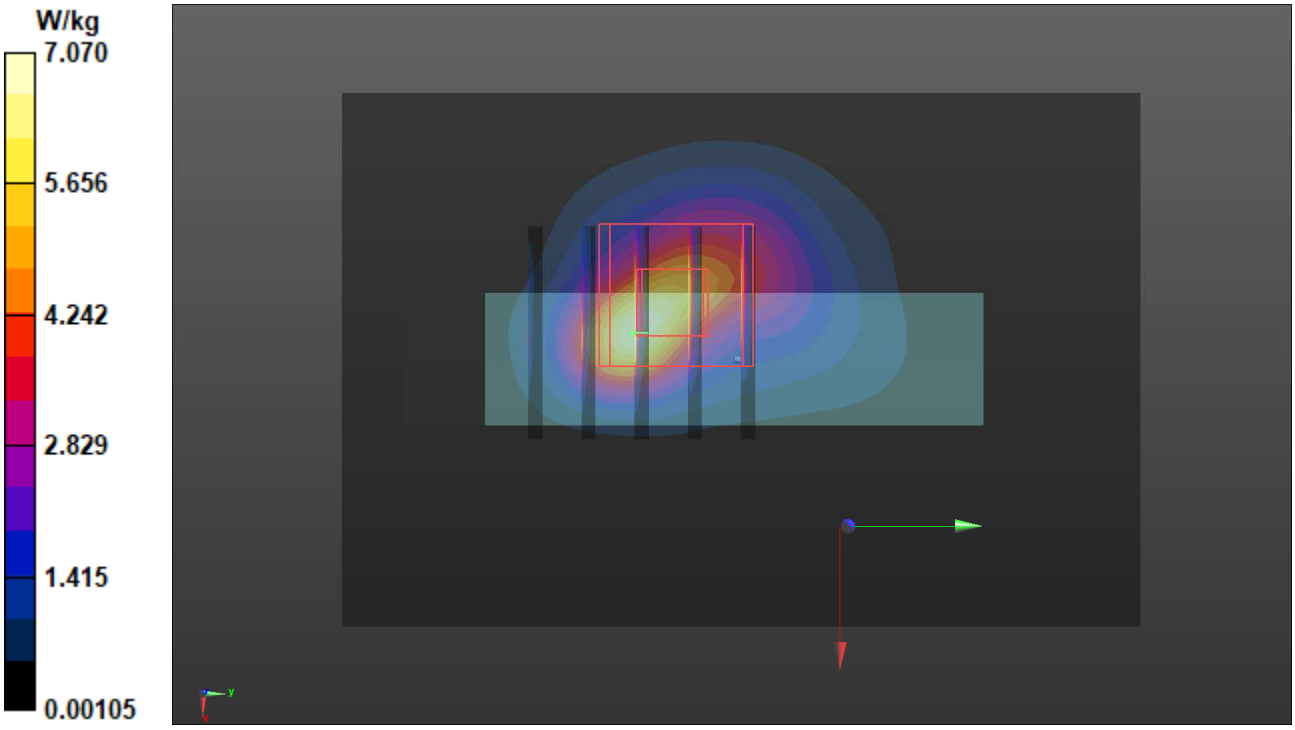
DUT: BBGM-WTW-P22090842

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1720 MHz;Duty Cycle: 1:3.74
Medium: H16T20N1_1003 Medium parameters used: f = 1720 MHz; σ = 1.31 S/m; ε_r = 40.681; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.6, 8.6, 8.6) @ 1720 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.07 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 66.46 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 15.1 W/kg
SAR(1 g) = 7.05 W/kg; SAR(10 g) = 3.03 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.1 mm
Ratio of SAR at M2 to SAR at M1 = 42.7%
Maximum value of SAR (measured) = 10.5 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/04

P06 LTE 5_QPSK10M_Rear Face_0mm_CH20600_1RB_OS0_Earphone_w_o

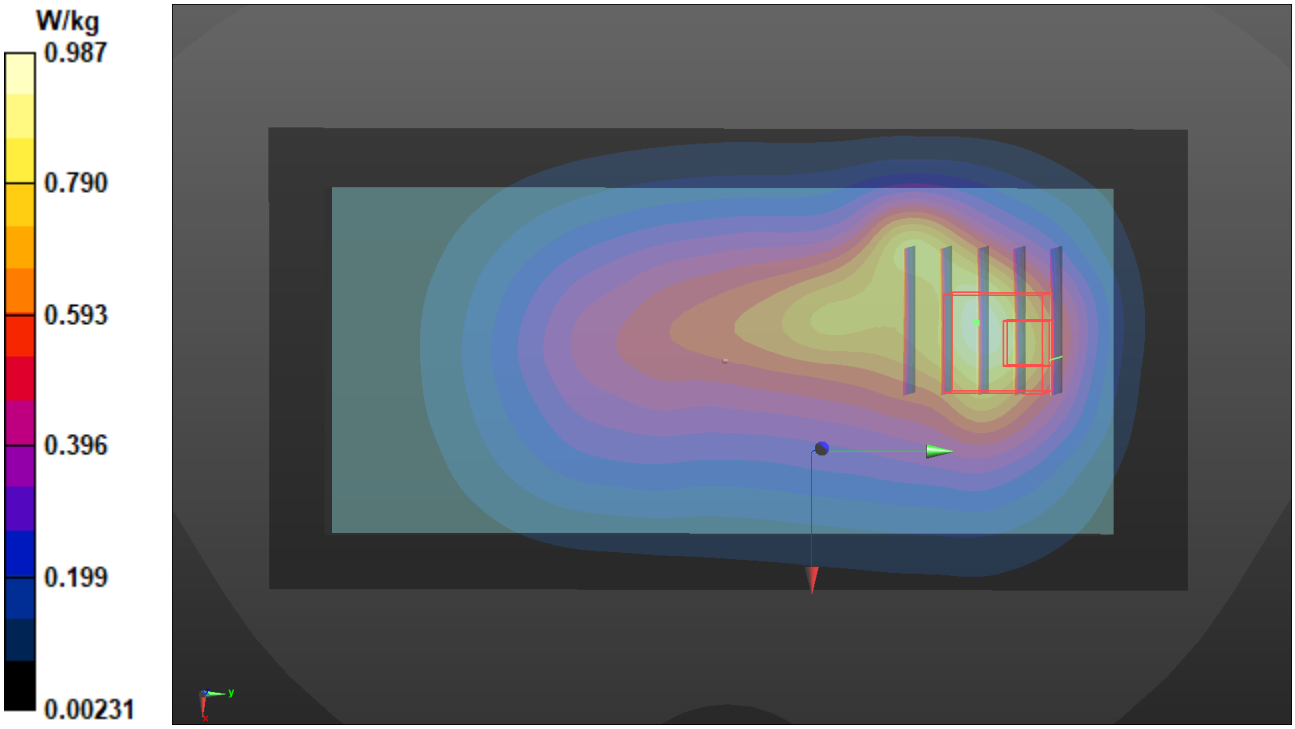
DUT: BBGM-WTW-P22090842

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 844 MHz;Duty Cycle: 1:3.74
Medium: H07T10N1_1004 Medium parameters used: f = 844 MHz; σ = 0.913 S/m; ε_r = 39.641; ρ = 1000 kg/m^3
Ambient Temperature : 23.5 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(10.01, 10.01, 10.01) @ 844 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.987 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.15 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.80 W/kg
SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.495 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 47.2%
Maximum value of SAR (measured) = 1.33 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/04

P07 LTE 7_QPSK20M_Rear Face_0mm_CH21350_1RB_OS0_Earphone_w_o

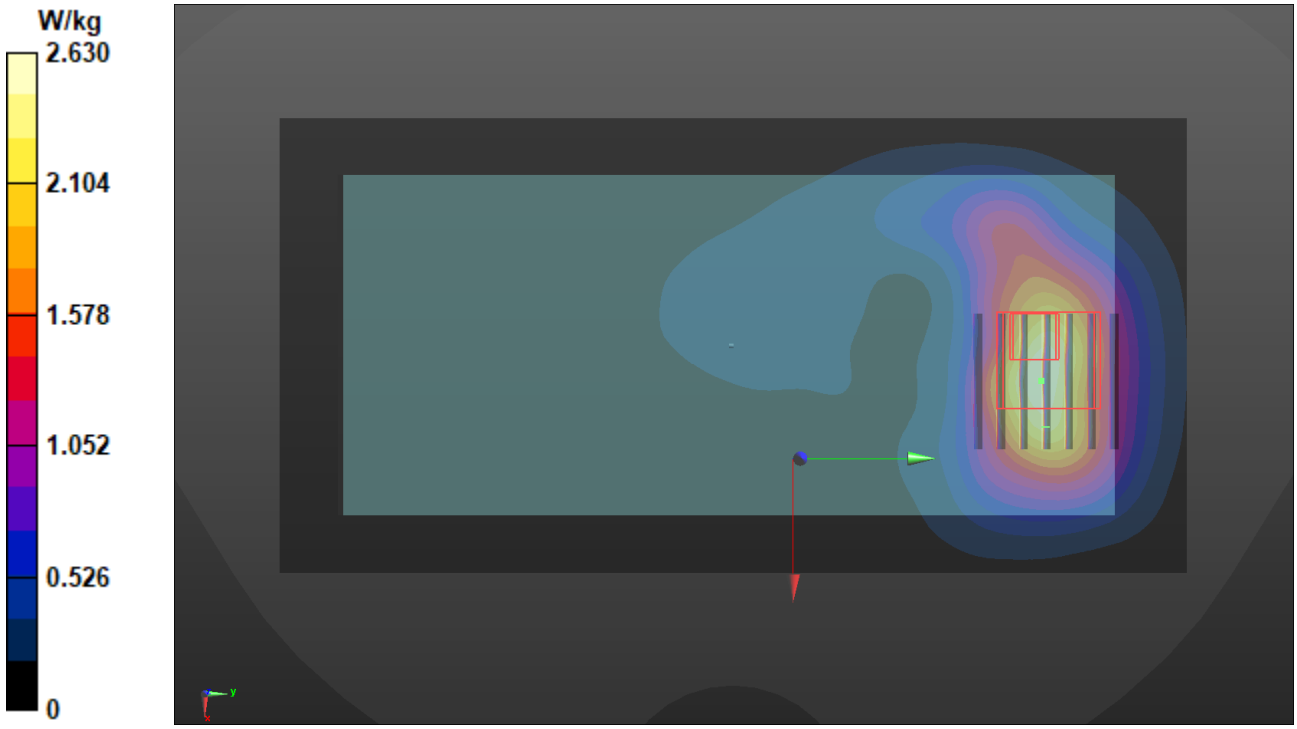
DUT: BBGM-WTW-P22090842

Communication System: UID 10169 - CAF, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2560 MHz;Duty Cycle: 1:3.74
Medium: H19T27N1_1004 Medium parameters used: f = 2560 MHz; σ = 1.983 S/m; ε_r = 38.724; ρ = 1000 kg/m^3
Ambient Temperature : 23.5 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(7.23, 7.23, 7.23) @ 2560 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 2.63 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.88 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 6.16 W/kg
SAR(1 g) = 2.72 W/kg; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6.1 mm
Ratio of SAR at M2 to SAR at M1 = 45.8%
Maximum value of SAR (measured) = 4.67 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/04

P08 LTE 12_QPSK10M_Rear Face_CH23130_0mm_1RB_OS0_Earphone_w_o

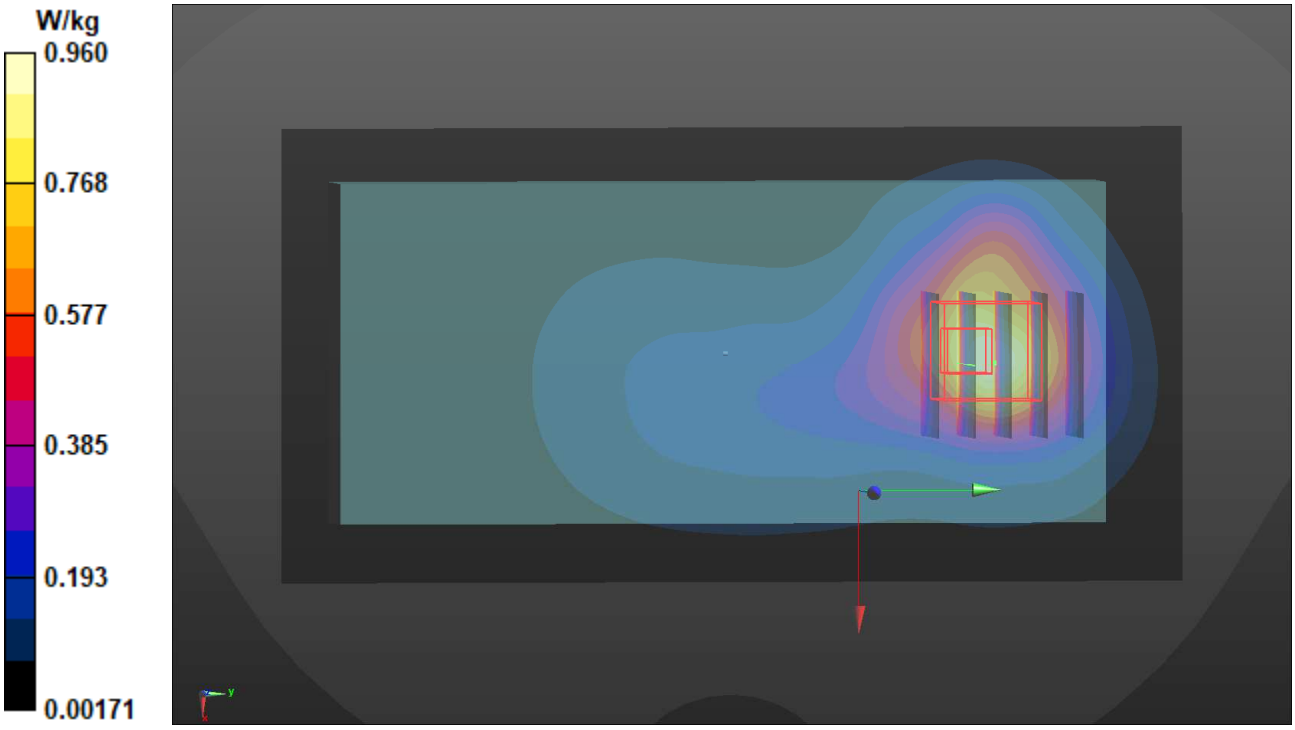
DUT: BBGM-WTW-P22090842

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 711 MHz;Duty Cycle: 1:3.74
Medium: H06T09N1_1004 Medium parameters used: f = 711 MHz; σ = 0.903 S/m; ε_r = 42.028; ρ = 1000 kg/m^3
Ambient Temperature : 23.5 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(10.48, 10.48, 10.48) @ 711 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.960 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.48 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.395 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 11.5 mm
Ratio of SAR at M2 to SAR at M1 = 54.7%
Maximum value of SAR (measured) = 1.03 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/04

P09 LTE 13_QPSK10M_Rear Face_0mm_CH23230_1RB_OS0_Earphone_w_o

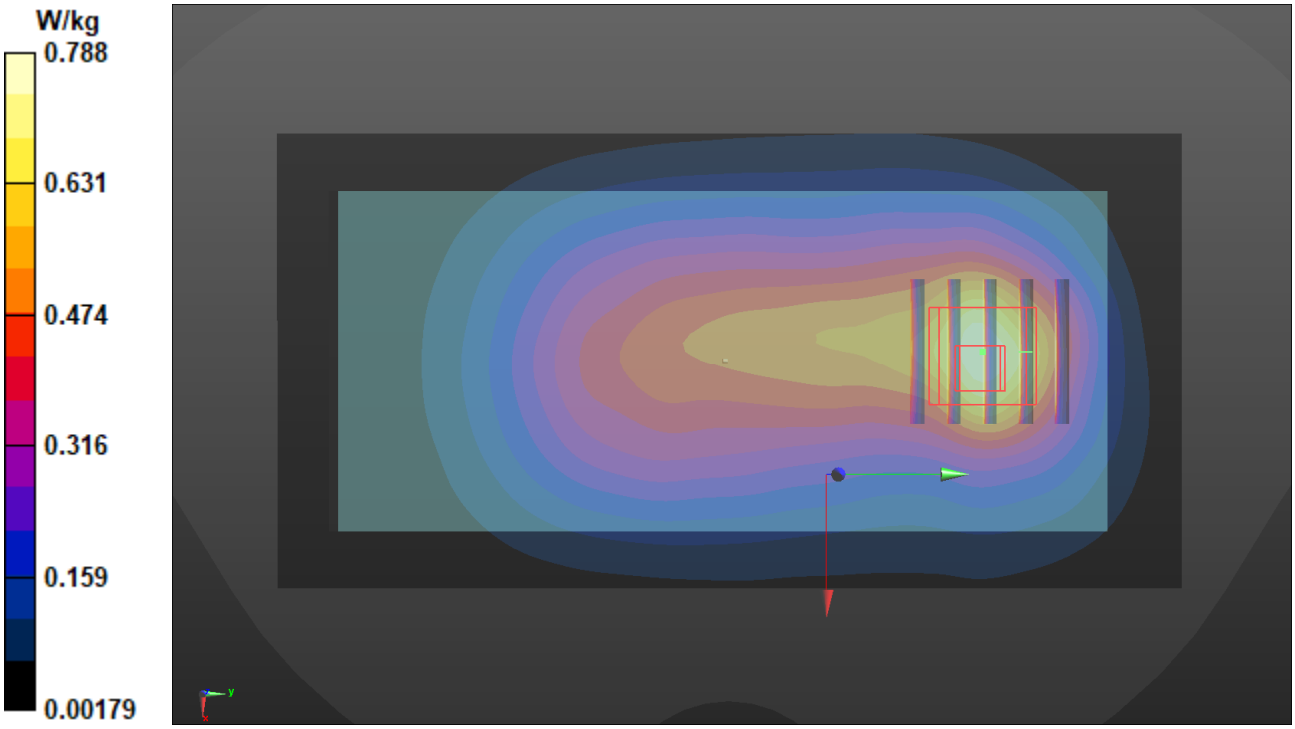
DUT: BBGM-WTW-P22090842

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz;Duty Cycle: 1:3.74
Medium: H06T09N1_1004 Medium parameters used: f = 782 MHz; σ = 0.925 S/m; ε_r = 41.499; ρ = 1000 kg/m^3
Ambient Temperature : 23.5 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(10.48, 10.48, 10.48) @ 782 MHz; Calibrated: 2022/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2022/07/19
- Phantom: Twin-SAM V8.0_1988; Type: QD 000 P41 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.788 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.56 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.652 W/kg; SAR(10 g) = 0.406 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 12.8 mm
Ratio of SAR at M2 to SAR at M1 = 50.3%
Maximum value of SAR (measured) = 1.02 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/24

P11 WLAN2.4G_802.11b_Rear Face_0mm_Ch1_Earphone_w_o

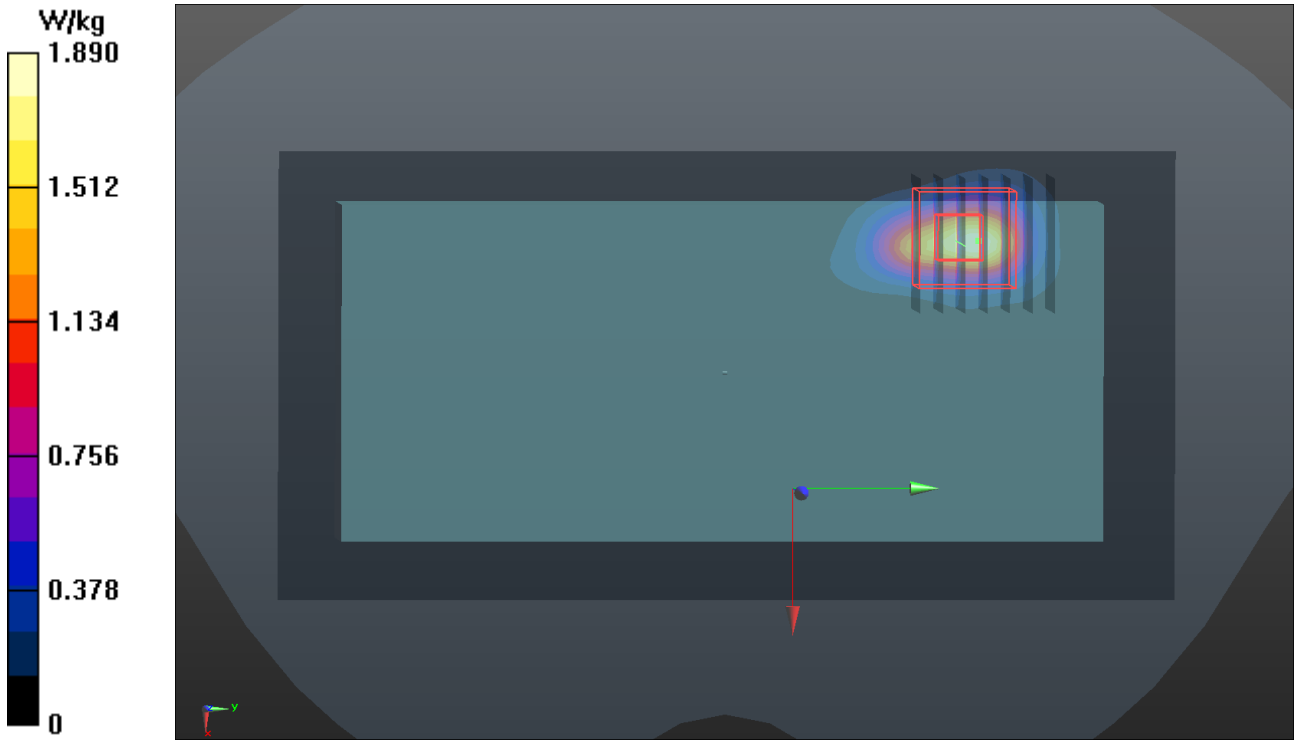
DUT: BBGM-WTW-P22090842

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2412 MHz;Duty Cycle: 1:1.03
Medium: H19T27N1_1024 Medium parameters used: f = 2412 MHz; σ = 1.815 S/m; ε_r = 38.242; ρ = 1000 kg/m^3
Ambient Temperature：23.7℃ ； Liquid Temperature：23.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7707; ConvF(8.13, 8.13, 8.13) @ 2412 MHz; Calibrated: 2022/02/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2022/02/23
- Phantom: Twin SAM Phantom_1885; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.89 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.10 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 3.08 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.429 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 39.5%
Maximum value of SAR (measured) = 2.30 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/21

P12 WLAN5.2G_802.11a_Rear Face_0mm_Ch48_Earphone_w_o

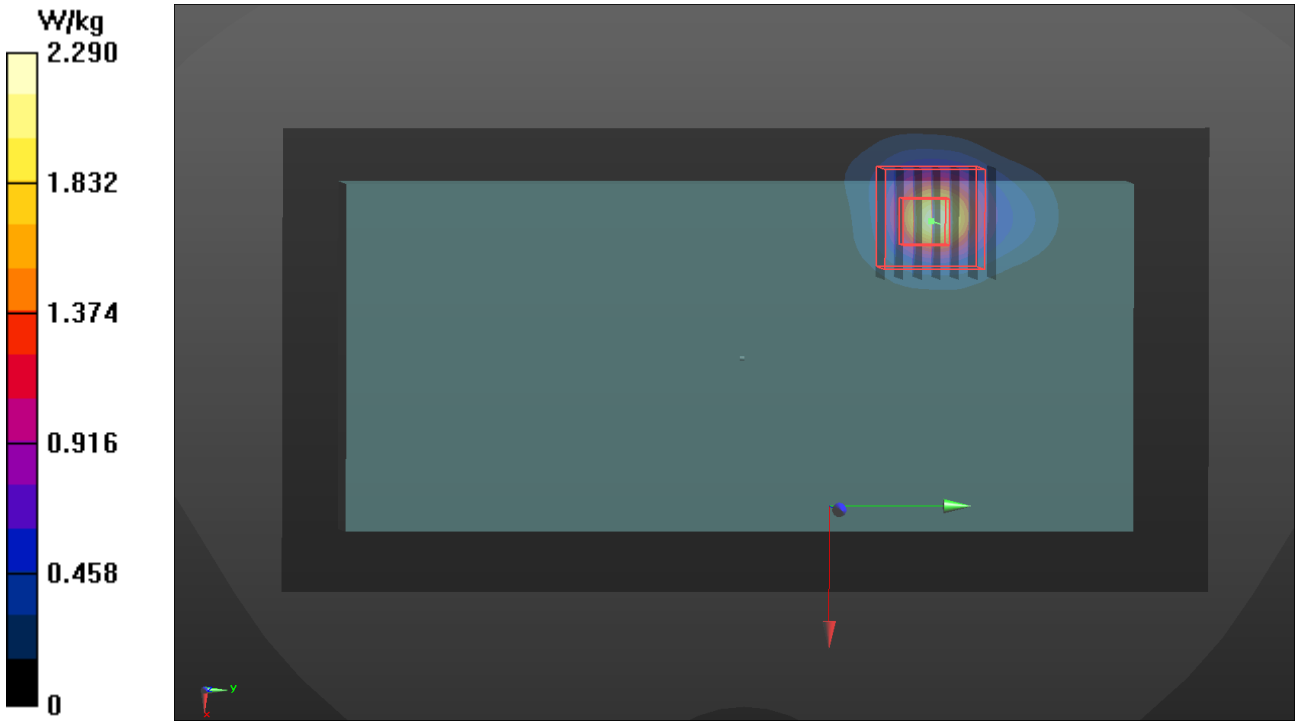
DUT: BBGM-WTW-P22090842

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5240 MHz;Duty Cycle: 1:1.16
Medium: H34T60N1_1021 Medium parameters used: f = 5240 MHz; σ = 4.677 S/m; ε_r = 36.265; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ; Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(5.54, 5.54, 5.54) @ 5240 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: Twin SAM Phantom_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.29 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 24.50 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 3.88 W/kg
SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.227 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 65.4%
Maximum value of SAR (measured) = 2.28 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/21

P13 WLAN5.8G_802.11a_Rear Face_0mm_Ch165_Earphone_w_o

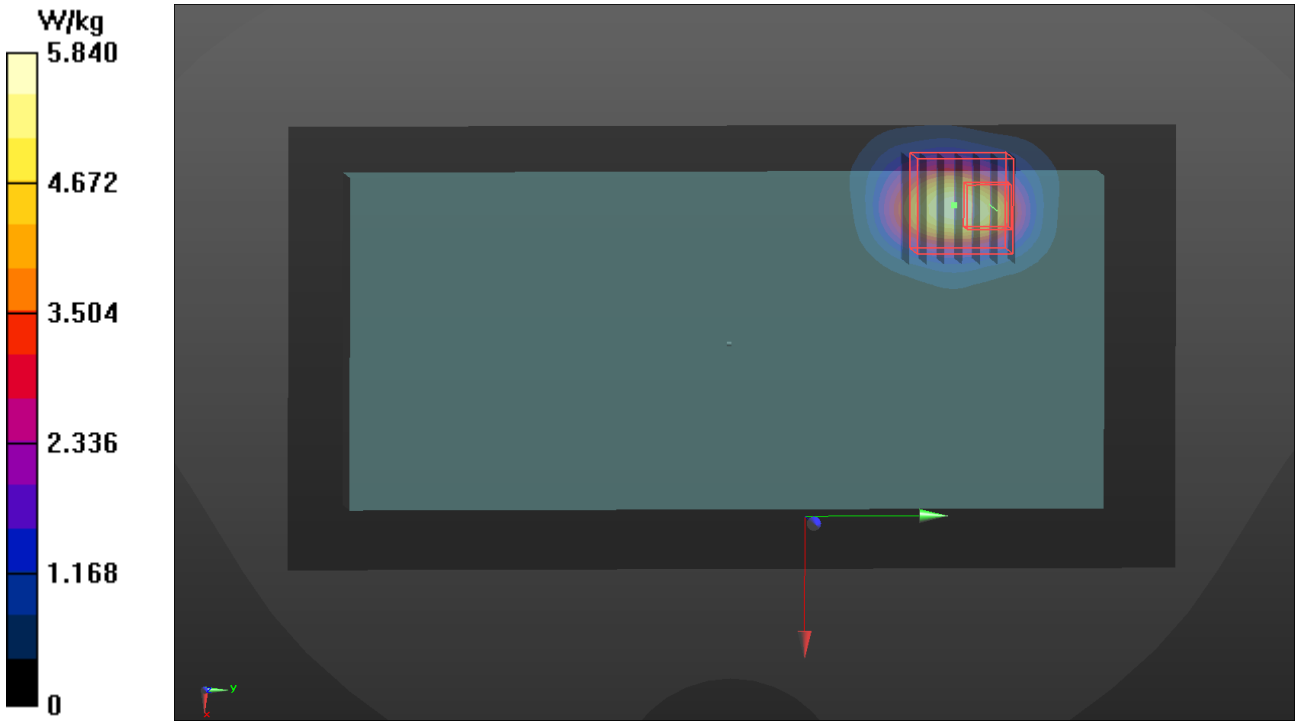
DUT: BBGM-WTW-P22090842

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5825 MHz;Duty Cycle: 1:1.16
Medium: H34T60N1_1021 Medium parameters used: f = 5825 MHz; σ = 5.181 S/m; ε_r = 35.586; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ; Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(4.97, 4.97, 4.97) @ 5825 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: Twin SAM Phantom_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.84 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 32.35 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 8.98 W/kg
SAR(1 g) = 1.9 W/kg; SAR(10 g) = 0.532 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 62.1%
Maximum value of SAR (measured) = 5.24 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/10/21

P14 BT_BDR_Rear Face_0mm_Ch39_Earphone_w_o

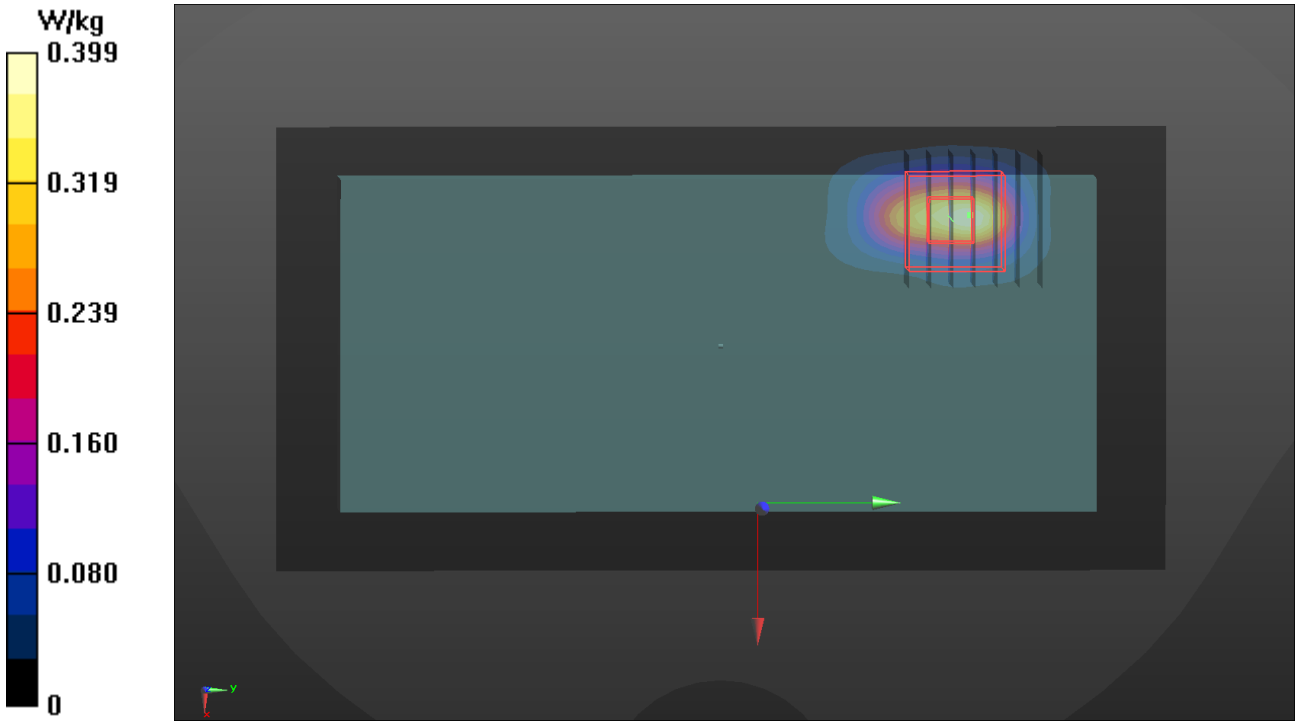
DUT: BBGM-WTW-P22090842

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium: H19T27N1_1021 Medium parameters used (interpolated): f = 2441 MHz; σ = 1.804 S/m; ε_r = 37.461; ρ = 1000 kg/m^3
Ambient Temperature : 23.5 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.61, 7.61, 7.61) @ 2441 MHz; Calibrated: 2022/04/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2022/04/21
- Phantom: Twin SAM Phantom_1986; Type: QD 000 P40 CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.399 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.61 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.683 W/kg
SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.095 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 40%
Maximum value of SAR (measured) = 0.506 W/kg



Appendix D. Maximum Target Conducted Power

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

WCDMA Max. Tune-up Power (Full)		
Mode	RMC 12.2K	HSDPA DC-HSDPA HSUPA
	Maximum Target Power	Maximum Target Power
WCDMA Band II	23.0	22.0
WCDMA Band IV	22.0	21.0
WCDMA Band V	23.0	22.0

LTE Max. Tune-up Power (Full)		
Mode	QPSK	16QAM
	Maximum Target Power	Maximum Target Power
LTE 2	23.0	22.0
LTE 4	23.0	22.0
LTE 5	23.5	22.5
LTE 7	23.0	22.0
LTE 12	23.0	22.0
LTE 13	23.0	22.0
LTE 17	23.0	22.0

Tune-up Power (Full)			
WLAN 2.4GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11b	1	2412	16.5
	6	2437	15.0
	11	2462	15.0
802.11g	1	2412	16.5
	6	2437	14.5
	11	2462	16.5
802.11n HT20	1	2412	14.5
	6	2437	14.5
	11	2462	14.5
802.11n HT40	3	2422	13.0
	6	2437	13.0
	9	2452	15.0

Tune-up Power (Full)			
Bluetooth			
Mode	Channel	Frequency	Ant 0 Max Tune-up
BR / EDR	0	2402	7.0
	39	2441	11.0
	78	2480	11.0

Tune-up Power (Full)			
WLAN 5.2GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	36	5180	12.5
	40	5200	12.5
	44	5220	12.5
	48	5240	12.5
802.11n HT20	36	5180	11.5
	40	5200	11.5
	44	5220	11.5
	48	5240	11.5
802.11n HT40	38	5190	10.0
	46	5230	10.0

Tune-up Power (Full)			
WLAN 5.8GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	149	5745	12.5
	153	5765	12.5
	157	5785	12.5
	161	5805	12.5
	165	5825	12.5
802.11n HT20	149	5745	11.5
	153	5765	11.5
	157	5785	11.5
	161	5805	11.5
	165	5825	11.5
802.11n HT40	151	5755	10.0
	159	5795	10.0

Appendix E. Measured Conducted Power Result

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

WCDMA Conducted Power (Full)									
Band	WCDMA II			WCDMA IV			WCDMA V		
TX Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458
Frequency	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6
RMC 12.2K	22.21	22.45	22.57	21.36	21.44	21.52	22.36	22.39	22.78
HSDPA Subtest-1	21.27	21.53	21.64	20.67	20.71	20.78	21.58	21.72	21.78
HSDPA Subtest-2	21.25	21.22	21.62	20.62	20.69	20.75	21.52	21.67	21.70
HSDPA Subtest-3	20.85	21.18	21.21	20.22	20.34	20.46	21.03	21.23	21.37
HSDPA Subtest-4	20.78	21.14	21.20	20.20	20.32	20.41	21.01	21.19	21.31
DC-HSDPA Subtest-1	21.15	21.17	21.59	20.59	20.64	20.69	21.49	21.62	21.85
DC-HSDPA Subtest-2	21.07	21.09	21.55	20.54	20.61	20.64	21.43	21.58	21.74
DC-HSDPA Subtest-3	20.72	21.09	21.16	20.16	20.21	20.36	20.96	21.12	21.43
DC-HSDPA Subtest-4	20.67	21.01	21.13	20.07	20.09	20.31	20.91	21.09	21.41
HSUPA Subtest-1	21.24	21.47	21.62	20.65	20.66	20.81	21.56	21.61	21.92
HSUPA Subtest-2	19.35	19.56	19.71	18.90	18.97	19.15	19.56	19.72	19.92
HSUPA Subtest-3	20.35	20.56	20.68	19.82	19.70	20.07	20.59	20.67	20.94
HSUPA Subtest-4	19.42	19.64	19.72	18.94	18.98	19.08	19.65	19.63	19.96
HSUPA Subtest-5	21.30	21.50	21.60	20.61	20.65	20.71	21.70	21.73	21.89

LTE Conducted Power (Full)							
LTE Band 2							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		18700	18900	19100	
		Frequence (MHz)		1860	1880	1900	
20M	QPSK	1	0	21.63	21.75	21.84	0
		1	50	21.48	21.58	21.66	0
		1	99	21.54	21.54	21.55	0
		50	0	20.71	20.79	20.84	1
		50	25	20.74	20.77	20.77	1
		50	50	20.57	20.65	20.73	1
		100	0	20.67	20.73	20.81	1
20M	16QAM	1	0	20.71	20.77	20.86	1
		1	50	20.73	20.76	20.81	1
		1	99	20.67	20.70	20.72	1
		50	0	19.83	19.90	19.96	2
		50	25	19.63	19.73	19.75	2
		50	50	19.59	19.61	19.69	2
		100	0	19.70	19.75	19.83	2
		Channel		18675	18900	19125	3GPP MPR
		Frequence (MHz)		1857.5	1880	1902.5	
15M	QPSK	1	0	21.54	21.71	21.79	0
		1	37	21.40	21.54	21.59	0
		1	74	21.52	21.49	21.45	0
		36	0	20.62	20.76	20.79	1
		36	19	20.64	20.74	20.72	1
		36	39	20.48	20.59	20.72	1
		75	0	20.64	20.73	20.81	1
15M	16QAM	1	0	20.75	20.76	20.86	1
		1	37	20.64	20.71	20.79	1
		1	74	20.66	20.63	20.64	1
		36	0	19.74	19.81	19.88	2
		36	19	19.63	19.68	19.66	2
		36	39	19.53	19.51	19.63	2
		75	0	19.69	19.72	19.79	2

LTE Conducted Power (Full)

LTE Band 2

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR
		Channel		18650	18900	19150	
		Frequence (MHz)		1855	1880	1905	
10M	QPSK	1	0	21.57	21.74	21.78	0
		1	24	21.40	21.50	21.61	0
		1	49	21.45	21.51	21.46	0
		25	0	20.63	20.73	20.82	1
		25	12	20.71	20.76	20.73	1
		25	25	20.52	20.64	20.67	1
		50	0	20.67	20.64	20.81	1
10M	16QAM	1	0	20.74	20.73	20.82	1
		1	24	20.69	20.69	20.77	1
		1	49	20.58	20.65	20.72	1
		25	0	19.77	19.83	19.95	2
		25	12	19.56	19.67	19.71	2
		25	25	19.49	19.57	19.64	2
		50	0	19.68	19.70	19.76	2
BW	MCS Index	Channel		18625	18900	19175	3GPP MPR
		Frequence (MHz)		1852.5	1880	1907.5	
5M	QPSK	1	0	21.54	21.72	21.76	0
		1	12	21.38	21.48	21.60	0
		1	24	21.54	21.49	21.45	0
		12	0	20.70	20.70	20.84	1
		12	6	20.67	20.70	20.75	1
		12	13	20.48	20.59	20.68	1
		25	0	20.63	20.63	20.72	1
5M	16QAM	1	0	20.74	20.73	20.86	1
		1	12	20.63	20.76	20.72	1
		1	24	20.65	20.69	20.68	1
		12	0	19.73	19.88	19.87	2
		12	6	19.54	19.63	19.70	2
		12	13	19.49	19.57	19.68	2
		25	0	19.63	19.65	19.80	2

LTE Conducted Power (Full)

LTE Band 2

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR
		Channel		18615	18900	19185	
		Frequence (MHz)		1851.5	1880	1908.5	
3M	QPSK	1	0	21.57	21.66	21.75	0
		1	7	21.42	21.55	21.56	0
		1	14	21.47	21.47	21.48	0
		8	0	20.61	20.78	20.79	1
		8	3	20.74	20.73	20.77	1
		8	7	20.55	20.64	20.63	1
		15	0	20.58	20.69	20.80	1
3M	16QAM	1	0	20.77	20.75	20.79	1
		1	7	20.73	20.74	20.77	1
		1	14	20.61	20.68	20.63	1
		8	0	19.82	19.83	19.90	2
		8	3	19.59	19.71	19.75	2
		8	7	19.53	19.58	19.69	2
		15	0	19.70	19.65	19.83	2
BW	MCS Index	Channel		18607	18900	19193	3GPP MPR
		Frequence (MHz)		1850.7	1880	1909.3	
1.4M	QPSK	1	0	21.53	21.54	21.66	0
		1	2	21.31	21.43	21.54	0
		1	5	21.42	21.45	21.36	0
		3	0	21.51	21.72	21.66	0
		3	1	21.52	21.64	21.57	0
		3	3	21.39	21.54	21.67	0
		6	0	20.52	20.63	20.63	1
1.4M	16QAM	1	0	20.70	20.65	20.77	1
		1	2	20.56	20.72	20.62	1
		1	5	20.53	20.62	20.59	1
		3	0	20.68	20.78	20.81	1
		3	1	20.42	20.68	20.60	1
		3	3	20.41	20.52	20.56	1
		6	0	19.55	19.53	19.78	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	
		Frequence (MHz)		1720	1732.5	1745	
20M	QPSK	1	0	22.17	22.35	22.51	0
		1	50	22.15	22.31	22.45	0
		1	99	22.12	22.21	22.36	0
		50	0	21.17	21.17	21.29	1
		50	25	21.09	21.11	21.19	1
		50	50	21.06	21.07	21.15	1
		100	0	21.05	21.07	21.22	1
20M	16QAM	1	0	21.15	21.23	21.32	1
		1	50	21.05	21.07	21.16	1
		1	99	20.92	20.93	21.05	1
		50	0	20.09	20.16	20.26	2
		50	25	20.07	20.08	20.16	2
		50	50	19.87	19.96	20.11	2
		100	0	20.04	20.10	20.18	2
BW	MCS Index	Channel		20025	20175	20325	3GPP MPR
		Frequence (MHz)		1717.5	1732.5	1747.5	
15M	QPSK	1	0	22.11	22.28	22.49	0
		1	37	22.15	22.31	22.43	0
		1	74	22.11	22.13	22.30	0
		36	0	21.07	21.07	21.24	1
		36	19	21.09	21.11	21.13	1
		36	39	21.05	21.05	21.12	1
		75	0	20.95	21.06	21.19	1
15M	16QAM	1	0	21.14	21.23	21.24	1
		1	37	21.01	20.99	21.15	1
		1	74	20.82	20.85	21.02	1
		36	0	20.05	20.08	20.18	2
		36	19	20.01	20.06	20.16	2
		36	39	19.81	19.90	20.06	2
		75	0	19.97	20.03	20.09	2

LTE Conducted Power (Full)							
LTE Band 4							
	MCS	RB Size	RB Offset	Low	Mid	High	3GPP
BW	MCS Index	Channel		20000	20175	20350	3GPP MPR
		Frequence (MHz)		1715	1732.5	1750	
10M	QPSK	1	0	22.13	22.26	22.44	0
		1	24	22.12	22.21	22.37	0
		1	49	22.03	22.16	22.34	0
		25	0	21.09	21.10	21.26	1
		25	12	21.05	21.05	21.11	1
		25	25	21.06	21.05	21.07	1
		50	0	20.98	20.99	21.19	1
10M	16QAM	1	0	21.10	21.15	21.28	1
		1	24	21.05	20.97	21.10	1
		1	49	20.90	20.91	21.00	1
		25	0	20.05	20.10	20.26	2
		25	12	20.07	20.00	20.12	2
		25	25	19.83	19.88	20.01	2
		50	0	20.02	20.00	20.14	2
BW	MCS Index	Channel		19975	20175	20375	3GPP MPR
		Frequence (MHz)		1712.5	1732.5	1752.5	
5M	QPSK	1	0	22.15	22.34	22.42	0
		1	12	22.13	22.25	22.39	0
		1	24	22.07	22.12	22.32	0
		12	0	21.09	21.11	21.21	1
		12	6	21.09	21.04	21.15	1
		12	13	20.99	20.99	21.08	1
		25	0	20.95	21.06	21.21	1
5M	16QAM	1	0	21.15	21.21	21.31	1
		1	12	20.96	21.00	21.08	1
		1	24	20.87	20.85	21.05	1
		12	0	20.09	20.15	20.16	2
		12	6	20.03	20.05	20.09	2
		12	13	19.84	19.90	20.04	2
		25	0	20.00	20.03	20.17	2

LTE Conducted Power (Full)							
LTE Band 4							
	MCS	RB Size	RB Offset	Low	Mid	High	3GPP
BW	MCS Index	Channel		19965	20175	20385	3GPP MPR
		Frequence (MHz)		1711.5	1732.5	1753.5	
3M	QPSK	1	0	22.12	22.32	22.41	0
		1	7	22.09	22.28	22.42	0
		1	14	22.08	22.13	22.31	0
		8	0	21.16	21.13	21.26	1
		8	3	21.06	21.02	21.10	1
		8	7	21.03	20.98	21.11	1
		15	0	20.98	21.07	21.13	1
3M	16QAM	1	0	21.06	21.21	21.26	1
		1	7	20.96	21.00	21.09	1
		1	14	20.87	20.85	21.04	1
		8	0	20.07	20.07	20.18	2
		8	3	20.03	20.05	20.14	2
		8	7	19.80	19.93	20.01	2
		15	0	19.98	20.03	20.16	2
BW	MCS Index	Channel		19957	20175	20393	3GPP MPR
		Frequence (MHz)		1710.7	1732.5	1754.3	
1.4M	QPSK	1	0	21.95	22.32	22.27	0
		1	2	22.13	22.19	22.38	0
		1	5	22.01	22.02	22.17	0
		3	0	22.17	21.98	22.18	0
		3	1	21.93	21.93	22.11	0
		3	3	22.00	21.93	22.11	0
		6	0	20.90	21.01	21.09	1
1.4M	16QAM	1	0	21.01	21.10	21.24	1
		1	2	20.92	21.06	21.00	1
		1	5	20.77	20.82	20.95	1
		3	0	21.00	21.00	21.12	1
		3	1	20.97	20.96	21.03	1
		3	3	20.78	20.81	20.97	1
		6	0	19.96	19.99	20.17	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	
		Frequence (MHz)		829	836.5	844	
10M	QPSK	1	0	22.69	22.61	22.71	0
		1	24	21.94	22.15	22.31	0
		1	49	21.92	22.08	22.26	0
		25	0	22.02	22.15	22.26	1
		25	12	21.85	21.98	22.17	1
		25	25	21.71	21.87	22.01	1
		50	0	20.89	21.08	21.18	1
10M	16QAM	1	0	20.90	21.06	21.24	1
		1	24	20.76	20.88	21.03	1
		1	49	20.60	20.78	20.89	1
		25	0	20.89	21.05	21.22	2
		25	12	20.68	20.86	21.04	2
		25	25	20.64	20.84	20.95	2
		50	0	19.71	19.89	20.01	2
BW	MCS Index	Channel		20425	20525	20625	3GPP MPR
		Frequence (MHz)		826.5	836.5	846.5	
5M	QPSK	1	0	21.82	22.00	22.23	0
		1	12	21.78	22.02	22.15	0
		1	24	21.75	21.91	22.07	0
		12	0	21.85	22.03	22.14	1
		12	6	21.72	21.85	21.98	1
		12	13	21.60	21.72	21.91	1
		25	0	20.69	20.90	21.04	1
5M	16QAM	1	0	20.79	20.95	21.04	1
		1	12	20.63	20.72	20.89	1
		1	24	20.51	20.63	20.71	1
		12	0	20.79	20.87	21.11	2
		12	6	20.50	20.72	20.91	2
		12	13	20.53	20.70	20.85	2
		25	0	19.54	19.69	19.88	2

LTE Conducted Power (Full)

LTE Band 5

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR
		Channel		20415	20525	20635	
		Frequence (MHz)		825.5	836.5	847.5	
3M	QPSK	1	0	21.77	21.94	22.15	0
		1	7	21.77	21.98	22.21	0
		1	14	21.74	21.90	22.10	0
		8	0	21.90	22.02	22.12	1
		8	3	21.68	21.78	22.01	1
		8	7	21.56	21.77	21.87	1
		15	0	20.72	20.95	21.04	1
3M	16QAM	1	0	20.74	20.88	21.14	1
		1	7	20.64	20.69	20.90	1
		1	14	20.52	20.60	20.79	1
		8	0	20.79	20.90	21.10	2
		8	3	20.55	20.68	20.88	2
		8	7	20.54	20.67	20.80	2
		15	0	19.58	19.72	19.86	2
BW	MCS Index	Channel		20407	20525	20643	3GPP MPR
		Frequence (MHz)		824.7	836.5	848.3	
1.4M	QPSK	1	0	21.70	21.68	22.00	0
		1	2	21.63	21.78	22.05	0
		1	5	21.58	21.74	21.99	0
		3	0	21.75	21.93	21.89	0
		3	1	21.52	21.69	21.77	0
		3	3	21.53	21.57	21.66	0
		6	0	20.61	20.81	20.86	1
1.4M	16QAM	1	0	20.64	20.71	20.95	1
		1	2	20.53	20.54	20.70	1
		1	5	20.61	20.53	20.57	1
		3	0	20.54	20.71	20.83	1
		3	1	20.58	20.51	20.64	1
		3	3	20.59	20.52	20.67	1
		6	0	19.57	19.56	19.73	2

LTE Conducted Power (Full)

LTE Band 7

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		20850	21100	21350	
		Frequence (MHz)		2510	2535	2560	
20M	QPSK	1	0	22.12	22.34	22.05	0
		1	50	22.08	22.31	21.97	0
		1	99	21.97	22.15	21.84	0
		50	0	21.07	21.19	20.89	1
		50	25	20.95	21.14	20.80	1
		50	50	21.00	21.11	20.90	1
		100	0	21.15	21.28	21.03	1
20M	16QAM	1	0	20.76	20.92	20.62	1
		1	50	20.67	20.85	20.49	1
		1	99	20.58	20.76	20.39	1
		50	0	20.02	20.22	19.82	2
		50	25	19.99	20.16	19.83	2
		50	50	19.99	20.14	19.87	2
		100	0	20.10	20.26	19.97	2
BW	MCS Index	Channel		20825	21100	21375	3GPP MPR
		Frequence (MHz)		2507.5	2535	2562.5	
15M	QPSK	1	0	21.96	22.24	21.86	0
		1	37	21.93	22.14	21.85	0
		1	74	21.79	22.03	21.71	0
		36	0	20.92	21.04	20.74	1
		36	19	20.82	20.98	20.65	1
		36	39	20.86	20.97	20.74	1
		75	0	21.00	21.10	20.84	1
15M	16QAM	1	0	20.63	20.72	20.43	1
		1	37	20.56	20.75	20.39	1
		1	74	20.38	20.66	20.27	1
		36	0	19.84	20.04	19.65	2
		36	19	19.89	20.00	19.67	2
		36	39	19.84	20.01	19.76	2
		75	0	19.96	20.11	19.80	2

LTE Conducted Power (Full)

LTE Band 7

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR
		Channel		20800	21100	21400	
		Frequence (MHz)		2505	2535	2565	
10M	QPSK	1	0	21.97	22.22	21.88	0
		1	24	21.90	22.19	21.85	0
		1	49	21.80	22.05	21.73	0
		25	0	20.97	21.01	20.73	1
		25	12	20.78	20.97	20.68	1
		25	25	20.82	20.98	20.79	1
		50	0	20.99	21.16	20.83	1
10M	16QAM	1	0	20.64	20.79	20.45	1
		1	24	20.49	20.75	20.36	1
		1	49	20.47	20.66	20.23	1
		25	0	19.88	20.11	19.72	2
		25	12	19.82	20.06	19.69	2
		25	25	19.80	19.94	19.76	2
		50	0	19.98	20.11	19.85	2
BW	MCS Index	Channel		20775	21100	21425	3GPP MPR
		Frequence (MHz)		2502.5	2535	2567.5	
5M	QPSK	1	0	22.01	22.19	21.92	0
		1	12	21.93	22.21	21.85	0
		1	24	21.82	21.95	21.67	0
		12	0	20.89	21.08	20.77	1
		12	6	20.80	20.99	20.63	1
		12	13	20.88	20.93	20.77	1
		25	0	21.02	21.12	20.83	1
5M	16QAM	1	0	20.61	20.78	20.51	1
		1	12	20.51	20.67	20.34	1
		1	24	20.41	20.65	20.23	1
		12	0	19.91	20.04	19.70	2
		12	6	19.85	19.99	19.70	2
		12	13	19.87	20.03	19.68	2
		25	0	19.95	20.13	19.82	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	
		Frequence (MHz)		704	707.5	711	
10M	QPSK	1	0	22.14	21.95	21.93	0
		1	24	22.11	21.94	21.84	0
		1	49	21.93	21.79	21.71	0
		25	0	20.92	20.82	20.70	1
		25	12	20.88	20.74	20.61	1
		25	25	20.85	20.76	20.62	1
		50	0	20.89	20.73	20.60	1
10M	16QAM	1	0	20.77	20.68	20.50	1
		1	24	20.68	20.51	20.43	1
		1	49	20.49	20.35	20.19	1
		25	0	19.93	19.75	19.66	2
		25	12	19.86	19.73	19.58	2
		25	25	19.81	19.72	19.62	2
		50	0	20.01	19.86	19.72	2
BW	MCS Index	Channel		23035	23095	23155	3GPP MPR
		Frequence (MHz)		701.5	707.5	713.5	
5M	QPSK	1	0	22.05	21.78	21.74	0
		1	12	21.95	21.77	21.72	0
		1	24	21.81	21.67	21.62	0
		12	0	20.77	20.67	20.55	1
		12	6	20.72	20.61	20.46	1
		12	13	20.77	20.66	20.54	1
		25	0	20.78	20.63	20.50	1
5M	16QAM	1	0	20.69	20.51	20.42	1
		1	12	20.51	20.37	20.34	1
		1	24	20.32	20.26	20.09	1
		12	0	19.79	19.66	19.54	2
		12	6	19.75	19.61	19.42	2
		12	13	19.72	19.57	19.51	2
		25	0	19.89	19.78	19.54	2

LTE Conducted Power (Full)

LTE Band 12

BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR
		Channel		23025	23095	23165	
		Frequence (MHz)		700.5	707.5	714.5	
3M	QPSK	1	0	21.98	21.79	21.74	0
		1	7	22.02	21.86	21.74	0
		1	14	21.80	21.71	21.58	0
		8	0	20.79	20.70	20.61	1
		8	3	20.73	20.59	20.51	1
		8	7	20.68	20.63	20.52	1
		15	0	20.79	20.59	20.43	1
3M	16QAM	1	0	20.60	20.52	20.33	1
		1	7	20.52	20.34	20.35	1
		1	14	20.33	20.21	20.08	1
		8	0	19.85	19.62	19.52	2
		8	3	19.76	19.64	19.40	2
		8	7	19.69	19.54	19.50	2
		15	0	19.91	19.75	19.55	2
BW	MCS Index	Channel		23017	23095	23173	3GPP MPR
		Frequence (MHz)		699.7	707.5	715.3	
1.4M	QPSK	1	0	21.88	21.59	21.57	0
		1	2	21.82	21.70	21.58	0
		1	5	21.72	21.52	21.51	0
		3	0	21.26	21.18	21.15	0
		3	1	21.30	21.01	21.06	0
		3	3	21.24	21.18	21.04	0
		6	0	20.65	20.45	20.30	1
1.4M	16QAM	1	0	20.51	20.55	20.29	1
		1	2	20.41	20.30	20.21	1
		1	5	20.27	20.17	20.08	1
		3	0	20.36	20.24	20.09	1
		3	1	20.13	20.11	20.01	1
		3	3	20.24	20.05	20.08	1
		6	0	19.77	19.64	19.45	2

LTE Conducted Power (Full)

LTE Band 13

BW	MCS Index	RB Size	RB Offset		Mid		3GPP MPR (dB)
		Channel			23230		
		Frequence (MHz)			782		
10M	QPSK	1	0		22.02		0
		1	24		21.99		0
		1	49		21.95		0
		25	0		20.91		1
		25	12		20.89		1
		25	25		20.85		1
		50	0		20.81		1
10M	16QAM	1	0		20.77		1
		1	24		20.68		1
		1	49		20.58		1
		25	0		20.03		2
		25	12		19.95		2
		25	25		19.88		2
		50	0		19.87		2
BW	MCS Index	Channel		23205	23230	23255	3GPP MPR
		Frequence (MHz)		779.5	782	784.5	
5M	QPSK	1	0	21.68	21.92	21.80	0
		1	12	21.64	21.83	21.76	0
		1	24	21.47	21.80	21.67	0
		12	0	20.49	20.82	20.63	1
		12	6	20.60	20.71	20.66	1
		12	13	20.51	20.76	20.63	1
		25	0	20.34	20.67	20.52	1
5M	16QAM	1	0	20.30	20.61	20.50	1
		1	12	20.31	20.51	20.43	1
		1	24	20.12	20.50	20.28	1
		12	0	19.68	19.90	19.74	2
		12	6	19.62	19.77	19.71	2
		12	13	19.45	19.70	19.63	2
		25	0	19.41	19.79	19.63	2

LTE Conducted Power (Full)							
LTE Band 17							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		23780	23790	23800	
		Frequence (MHz)		709	710	711	
10M	QPSK	1	0	22.07	21.80	21.70	0
		1	24	21.65	21.56	21.70	0
		1	49	21.48	21.38	21.24	0
		25	0	20.53	20.39	20.27	1
		25	12	20.48	20.34	20.20	1
		25	25	20.42	20.27	20.15	1
		50	0	20.37	20.24	20.14	1
10M	16QAM	1	0	20.26	20.11	20.49	1
		1	24	20.47	20.30	20.13	1
		1	49	20.43	20.34	20.17	1
		25	0	19.52	19.36	19.25	2
		25	12	19.48	19.38	19.25	2
		25	25	19.42	19.33	19.16	2
		50	0	19.59	19.48	19.40	2
BW	MCS Index	Channel		23755	23790	23825	3GPP MPR
		Frequence (MHz)		706.5	710	713.5	
5M	QPSK	1	0	21.63	21.35	21.26	0
		1	12	21.50	21.42	21.31	0
		1	24	21.31	21.25	21.10	0
		12	0	20.39	20.31	20.13	1
		12	6	20.39	20.16	20.04	1
		12	13	20.27	20.10	20.01	1
		25	0	20.27	20.14	20.51	1
5M	16QAM	1	0	20.16	20.05	20.49	1
		1	12	20.66	20.45	20.33	1
		1	24	20.34	20.22	20.04	1
		12	0	19.40	19.20	19.16	2
		12	6	19.38	19.23	19.14	2
		12	13	19.25	19.21	19.04	2
		25	0	19.42	19.33	19.27	2

Conducted Power (Full)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	14.92
	6	2437	14.15
	11	2462	14.32
802.11g	1	2412	16.02
	6	2437	14.05
	11	2462	15.42
802.11n HT20	1	2412	14.01
	6	2437	12.89
	11	2462	13.75
802.11n HT40	3	2422	12.78
	6	2437	12.81
	9	2452	14.68

Conducted Power (Full)			
Bluetooth Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
BR / EDR	0	2402	6.84
	39	2441	10.89
	78	2480	9.68

Conducted Power (Full)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	12.02
	40	5200	11.71
	44	5220	11.69
	48	5240	11.57
802.11n HT20	36	5180	11.14
	40	5200	10.61
	44	5220	10.77
	48	5240	10.72
802.11n HT40	38	5190	9.79
	46	5230	9.61

Conducted Power (Full)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	11.85
	153	5765	11.97
	157	5785	12.25
	161	5805	12.21
	165	5825	12.02
802.11n HT20	149	5745	10.78
	153	5765	10.91
	157	5785	11.05
	161	5805	10.92
	165	5825	10.94
802.11n HT40	151	5755	9.62
	159	5795	9.49

Appendix F. SAR Test Result

SAR Results for Extremity Exposure Condition.

Note:
1. SAR testing for WLAN was performed on the maximum power mode.
2. SAR testing for LTE 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.

Extremity SAR Test Result

System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Earphone	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-10g (W/kg)	Scaled SAR-10g (W/kg)
	WCDMA II	RMC12.2K	Front Face	0	9538			w/o	-	1.00	23.00	22.57	1.10	-0.06	0.482	0.53
	WCDMA II	RMC12.2K	Rear Face	0	9538			w/o	-	1.00	23.00	22.57	1.10	-0.11	1.5	1.65
	WCDMA II	RMC12.2K	Left Side	0	9538			w/o	-	1.00	23.00	22.57	1.10	0.05	0.114	0.13
	WCDMA II	RMC12.2K	Right Side	0	9538			w/o	-	1.00	23.00	22.57	1.10	-0.17	0.059	0.06
	WCDMA II	RMC12.2K	Top Side	0	9538			w/o	-	1.00	23.00	22.57	1.10	0.14	1.18	1.30
	WCDMA II	RMC12.2K	Bottom Side	0	9538			w/o	-	1.00	23.00	22.57	1.10	0	<0.001	0.00
1	WCDMA II	RMC12.2K	Rear Face	0	9262			w/o	-	1.00	23.00	22.21	1.20	0.02	1.54	1.85
	WCDMA II	RMC12.2K	Rear Face	0	9400			w/o	-	1.00	23.00	22.45	1.14	-0.18	1.147	1.31
	WCDMA II	RMC12.2K	Rear Face	0	9262			w/	-	1.00	23.00	22.21	1.20	-0.02	1.38	1.66
	WCDMA IV	RMC12.2K	Front Face	0	1513			w/o	-	1.00	22.00	21.52	1.12	-0.13	0.652	0.73
2	WCDMA IV	RMC12.2K	Rear Face	0	1513			w/o	-	1.00	22.00	21.52	1.12	0.03	2.45	2.74
	WCDMA IV	RMC12.2K	Left Side	0	1513			w/o	-	1.00	22.00	21.52	1.12	-0.02	0.363	0.41
	WCDMA IV	RMC12.2K	Right Side	0	1513			w/o	-	1.00	22.00	21.52	1.12	-0.08	0.205	0.23
	WCDMA IV	RMC12.2K	Top Side	0	1513			w/o	-	1.00	22.00	21.52	1.12	-0.07	2.32	2.60
	WCDMA IV	RMC12.2K	Bottom Side	0	1513			w/o	-	1.00	22.00	21.52	1.12	0	<0.001	0.00
	WCDMA IV	RMC12.2K	Rear Face	0	1312			w/o	-	1.00	22.00	21.36	1.16	0.06	2.31	2.68
	WCDMA IV	RMC12.2K	Rear Face	0	1413			w/o	-	1.00	22.00	21.44	1.14	-0.06	2.39	2.72
	WCDMA IV	RMC12.2K	Top Side	0	1312			w/o	-	1.00	22.00	21.36	1.16	-0.08	2.2	2.55
	WCDMA IV	RMC12.2K	Top Side	0	1413			w/o	-	1.00	22.00	21.44	1.14	-0.07	2.29	2.61
	WCDMA IV	RMC12.2K	Rear Face	0	1513			w/	-	1.00	22.00	21.52	1.12	0.06	2.36	2.64
	WCDMA IV	RMC12.2K	Rear Face	0	1312			w/	-	1.00	22.00	21.36	1.16	0.05	2.26	2.62
	WCDMA IV	RMC12.2K	Rear Face	0	1413			w/	-	1.00	22.00	21.44	1.14	-0.01	2.34	2.67
	WCDMA IV	RMC12.2K	Rear Face	0	1513			w/o	-	1.00	22.00	21.52	1.12	0.02	2.39	2.68

Extremity SAR Test Result

System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Earphone	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-10g (W/kg)	Scaled SAR-10g (W/kg)
	WCDMA V	RMC12.2K	Front Face	0	4233			w/o	-	1.00	23.00	22.78	1.05	-0.11	0.244	0.26
3	WCDMA V	RMC12.2K	Rear Face	0	4233			w/o	-	1.00	23.00	22.78	1.05	-0.01	0.404	0.42
	WCDMA V	RMC12.2K	Left Side	0	4233			w/o	-	1.00	23.00	22.78	1.05	-0.06	0.163	0.17
	WCDMA V	RMC12.2K	Right Side	0	4233			w/o	-	1.00	23.00	22.78	1.05	-0.11	0.18	0.19
	WCDMA V	RMC12.2K	Top Side	0	4233			w/o	-	1.00	23.00	22.78	1.05	-0.12	0.153	0.16
	WCDMA V	RMC12.2K	Bottom Side	0	4233			w/o	-	1.00	23.00	22.78	1.05	0	<0.001	0.00
	WCDMA V	RMC12.2K	Rear Face	0	4132			w/o	-	1.00	23.00	22.36	1.16	-0.01	0.345	0.40
	WCDMA V	RMC12.2K	Rear Face	0	4182			w/o	-	1.00	23.00	22.39	1.15	0.03	0.359	0.41
	WCDMA V	RMC12.2K	Rear Face	0	4233			w/	-	1.00	23.00	22.78	1.05	-0.03	0.386	0.41
	LTE 2	QPSK20M	Front Face	0	19100	1	0	w/o	-	1.00	23.00	21.84	1.31	-0.15	0.467	0.61
4	LTE 2	QPSK20M	Rear Face	0	19100	1	0	w/o	-	1.00	23.00	21.84	1.31	-0.07	1.52	1.99
	LTE 2	QPSK20M	Left Side	0	19100	1	0	w/o	-	1.00	23.00	21.84	1.31	-0.18	0.12	0.16
	LTE 2	QPSK20M	Right Side	0	19100	1	0	w/o	-	1.00	23.00	21.84	1.31	-0.16	0.057	0.07
	LTE 2	QPSK20M	Top Side	0	19100	1	0	w/o	-	1.00	23.00	21.84	1.31	0.1	1.22	1.60
	LTE 2	QPSK20M	Bottom Side	0	19100	1	0	w/o	-	1.00	23.00	21.84	1.31	0	<0.001	0.00
	LTE 2	QPSK20M	Front Face	0	19100	50	0	w/o	-	1.00	22.00	20.84	1.31	0.07	0.386	0.51
	LTE 2	QPSK20M	Rear Face	0	19100	50	0	w/o	-	1.00	22.00	20.84	1.31	0.11	1	1.31
	LTE 2	QPSK20M	Left Side	0	19100	50	0	w/o	-	1.00	22.00	20.84	1.31	-0.02	0.097	0.13
	LTE 2	QPSK20M	Right Side	0	19100	50	0	w/o	-	1.00	22.00	20.84	1.31	-0.13	0.05	0.07
	LTE 2	QPSK20M	Top Side	0	19100	50	0	w/o	-	1.00	22.00	20.84	1.31	-0.06	0.947	1.24
	LTE 2	QPSK20M	Bottom Side	0	19100	50	0	w/o	-	1.00	22.00	20.84	1.31	0	<0.001	0.00
	LTE 2	QPSK20M	Rear Face	0	18700	1	0	w/o	-	1.00	23.00	21.63	1.37	0.16	1.38	1.89
	LTE 2	QPSK20M	Rear Face	0	18900	1	0	w/o	-	1.00	23.00	21.75	1.33	0.12	1.32	1.76
	LTE 2	QPSK20M	Rear Face	0	19100	1	0	w/	-	1.00	23.00	21.84	1.31	0.1	1.39	1.82

Extremity SAR Test Result

System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Earphone	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-10g (W/kg)	Scaled SAR-10g (W/kg)
	LTE 4	QPSK20M	Front Face	0	20300	1	0	w/o	-	1.00	23.00	22.51	1.12	0.04	0.757	0.85
	LTE 4	QPSK20M	Rear Face	0	20300	1	0	w/o	-	1.00	23.00	22.51	1.12	-0.05	2.7	3.02
	LTE 4	QPSK20M	Left Side	0	20300	1	0	w/o	-	1.00	23.00	22.51	1.12	0.03	0.465	0.52
	LTE 4	QPSK20M	Right Side	0	20300	1	0	w/o	-	1.00	23.00	22.51	1.12	-0.08	0.175	0.20
	LTE 4	QPSK20M	Top Side	0	20300	1	0	w/o	-	1.00	23.00	22.51	1.12	0.09	3.01	3.37
	LTE 4	QPSK20M	Bottom Side	0	20300	1	0	w/o	-	1.00	23.00	22.51	1.12	0	<0.001	0.00
	LTE 4	QPSK20M	Front Face	0	20300	50	0	w/o	-	1.00	22.00	21.29	1.18	-0.13	0.626	0.74
	LTE 4	QPSK20M	Rear Face	0	20300	50	0	w/o	-	1.00	22.00	21.29	1.18	-0.11	2.21	2.61
	LTE 4	QPSK20M	Left Side	0	20300	50	0	w/o	-	1.00	22.00	21.29	1.18	-0.08	0.355	0.42
	LTE 4	QPSK20M	Right Side	0	20300	50	0	w/o	-	1.00	22.00	21.29	1.18	-0.12	0.128	0.15
	LTE 4	QPSK20M	Top Side	0	20300	50	0	w/o	-	1.00	22.00	21.29	1.18	0.03	2.54	3.00
	LTE 4	QPSK20M	Bottom Side	0	20300	50	0	w/o	-	1.00	22.00	21.29	1.18	0	<0.001	0.00
	LTE 4	QPSK20M	Rear Face	0	20300	100	0	w/o	-	1.00	22.00	21.22	1.20	-0.17	1.98	2.38
	LTE 4	QPSK20M	Top Side	0	20300	100	0	w/o	-	1.00	22.00	21.22	1.20	0.06	2.08	2.50
	LTE 4	QPSK20M	Rear Face	0	20050	1	0	w/o	-	1.00	23.00	22.17	1.21	0.11	2.36	2.86
	LTE 4	QPSK20M	Rear Face	0	20175	1	0	w/o	-	1.00	23.00	22.35	1.16	-0.04	2.56	2.97
5	LTE 4	QPSK20M	Top Side	0	20050	1	0	w/o	-	1.00	23.00	22.17	1.21	0.05	3.03	3.67
	LTE 4	QPSK20M	Top Side	0	20175	1	0	w/o	-	1.00	23.00	22.35	1.16	0.06	3.05	3.54
	LTE 4	QPSK20M	Rear Face	0	20050	50	0	w/o	-	1.00	22.00	21.17	1.21	0.12	2.07	2.50
	LTE 4	QPSK20M	Rear Face	0	20175	50	0	w/o	-	1.00	22.00	21.17	1.21	0.01	2	2.42
	LTE 4	QPSK20M	Top Side	0	20050	50	0	w/o	-	1.00	22.00	21.17	1.21	0.06	2.41	2.92
	LTE 4	QPSK20M	Top Side	0	20175	50	0	w/o	-	1.00	22.00	21.17	1.21	0.12	2.26	2.73
	LTE 4	QPSK20M	Top Side	0	20050	1	0	w/	-	1.00	23.00	22.17	1.21	0.1	2.95	3.57
	LTE 4	QPSK20M	Top Side	0	20175	1	0	w/	-	1.00	23.00	22.35	1.16	-0.02	2.88	3.34
	LTE 4	QPSK20M	Top Side	0	20300	1	0	w/	-	1.00	23.00	22.51	1.12	-0.09	2.81	3.15
	LTE 4	QPSK20M	Top Side	0	20050	1	0	w/o	-	1.00	23.00	22.17	1.21	-0.06	2.98	3.61

Extremity SAR Test Result

System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Earphone	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-10g (W/kg)	Scaled SAR-10g (W/kg)
	LTE 5	QPSK10M	Front Face	0	20600	1	0	w/o	-	1.00	23.50	22.71	1.20	-0.17	0.368	0.44
6	LTE 5	QPSK10M	Rear Face	0	20600	1	0	w/o	-	1.00	23.50	22.71	1.20	0.12	0.495	0.59
	LTE 5	QPSK10M	Left Side	0	20600	1	0	w/o	-	1.00	23.50	22.71	1.20	0.09	0.239	0.29
	LTE 5	QPSK10M	Right Side	0	20600	1	0	w/o	-	1.00	23.50	22.71	1.20	-0.08	0.285	0.34
	LTE 5	QPSK10M	Top Side	0	20600	1	0	w/o	-	1.00	23.50	22.71	1.20	-0.1	0.24	0.29
	LTE 5	QPSK10M	Bottom Side	0	20600	1	0	w/o	-	1.00	23.50	22.71	1.20	0	<0.001	0.00
	LTE 5	QPSK10M	Front Face	0	20600	25	0	w/o	-	1.00	22.50	22.26	1.06	-0.02	0.304	0.32
	LTE 5	QPSK10M	Rear Face	0	20600	25	0	w/o	-	1.00	22.50	22.26	1.06	0.09	0.382	0.40
	LTE 5	QPSK10M	Left Side	0	20600	25	0	w/o	-	1.00	22.50	22.26	1.06	0.11	0.198	0.21
	LTE 5	QPSK10M	Right Side	0	20600	25	0	w/o	-	1.00	22.50	22.26	1.06	-0.14	0.181	0.19
	LTE 5	QPSK10M	Top Side	0	20600	25	0	w/o	-	1.00	22.50	22.26	1.06	0.04	0.195	0.21
	LTE 5	QPSK10M	Bottom Side	0	20600	25	0	w/o	-	1.00	22.50	22.26	1.06	0	<0.001	0.00
	LTE 5	QPSK10M	Rear Face	0	20450	1	0	w/o	-	1.00	23.50	22.69	1.21	-0.03	0.452	0.55
	LTE 5	QPSK10M	Rear Face	0	20525	1	0	w/o	-	1.00	23.50	22.61	1.23	-0.15	0.465	0.57
	LTE 5	QPSK10M	Rear Face	0	20600	1	0	w/	-	1.00	23.50	22.71	1.20	-0.11	0.482	0.58
	LTE 7	QPSK20M	Front Face	0	21100	1	0	w/o	-	1.00	23.00	22.34	1.16	-0.09	1.07	1.24
	LTE 7	QPSK20M	Rear Face	0	21100	1	0	w/o	-	1.00	23.00	22.34	1.16	0.14	1.09	1.26
	LTE 7	QPSK20M	Left Side	0	21100	1	0	w/o	-	1.00	23.00	22.34	1.16	-0.03	0.266	0.31
	LTE 7	QPSK20M	Right Side	0	21100	1	0	w/o	-	1.00	23.00	22.34	1.16	-0.16	0.408	0.47
	LTE 7	QPSK20M	Top Side	0	21100	1	0	w/o	-	1.00	23.00	22.34	1.16	0.05	1.06	1.23
	LTE 7	QPSK20M	Bottom Side	0	21100	1	0	w/o	-	1.00	23.00	22.34	1.16	0.06	0.037	0.04
	LTE 7	QPSK20M	Front Face	0	21100	50	0	w/o	-	1.00	22.00	21.19	1.21	0.18	0.894	1.08
	LTE 7	QPSK20M	Rear Face	0	21100	50	0	w/o	-	1.00	22.00	21.19	1.21	0.09	0.935	1.13
	LTE 7	QPSK20M	Left Side	0	21100	50	0	w/o	-	1.00	22.00	21.19	1.21	0.17	0.247	0.30
	LTE 7	QPSK20M	Right Side	0	21100	50	0	w/o	-	1.00	22.00	21.19	1.21	0.15	0.344	0.42
	LTE 7	QPSK20M	Top Side	0	21100	50	0	w/o	-	1.00	22.00	21.19	1.21	-0.12	0.923	1.12
	LTE 7	QPSK20M	Bottom Side	0	21100	50	0	w/o	-	1.00	22.00	21.19	1.21	0.11	0.031	0.04
	LTE 7	QPSK20M	Rear Face	0	20850	1	0	w/o	-	1.00	23.00	22.12	1.22	-0.1	0.891	1.09
7	LTE 7	QPSK20M	Rear Face	0	21350	1	0	w/o	-	1.00	23.00	22.05	1.24	-0.09	1.13	1.40
	LTE 7	QPSK20M	Rear Face	0	21350	1	0	w/	-	1.00	23.00	22.34	1.16	-0.12	0.902	1.05

Extremity SAR Test Result

System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Earphone	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-10g (W/kg)	Scaled SAR-10g (W/kg)
	LTE 12	QPSK10M	Front Face	0	23060	1	0	w/o	-	1.00	23.00	22.14	1.22	0.11	0.152	0.19
	LTE 12	QPSK10M	Rear Face	0	23060	1	0	w/o	-	1.00	23.00	22.14	1.22	-0.16	0.311	0.38
	LTE 12	QPSK10M	Left Side	0	23060	1	0	w/o	-	1.00	23.00	22.14	1.22	-0.11	0.094	0.11
	LTE 12	QPSK10M	Right Side	0	23060	1	0	w/o	-	1.00	23.00	22.14	1.22	-0.15	0.081	0.10
	LTE 12	QPSK10M	Top Side	0	23060	1	0	w/o	-	1.00	23.00	22.14	1.22	-0.08	0.063	0.08
	LTE 12	QPSK10M	Bottom Side	0	23060	1	0	w/o	-	1.00	23.00	22.14	1.22	0	<0.001	0.00
	LTE 12	QPSK10M	Front Face	0	23060	25	0	w/o	-	1.00	22.00	20.92	1.28	-0.02	0.136	0.17
	LTE 12	QPSK10M	Rear Face	0	23060	25	0	w/o	-	1.00	22.00	20.92	1.28	0.13	0.266	0.34
	LTE 12	QPSK10M	Left Side	0	23060	25	0	w/o	-	1.00	22.00	20.92	1.28	0.07	0.08	0.10
	LTE 12	QPSK10M	Right Side	0	23060	25	0	w/o	-	1.00	22.00	20.92	1.28	-0.14	0.081	0.10
	LTE 12	QPSK10M	Top Side	0	23060	25	0	w/o	-	1.00	22.00	20.92	1.28	-0.17	0.058	0.07
	LTE 12	QPSK10M	Bottom Side	0	23060	25	0	w/o	-	1.00	22.00	20.92	1.28	0	<0.001	0.00
	LTE 12	QPSK10M	Rear Face	0	23095	1	0	w/o	-	1.00	23.00	21.95	1.27	0.03	0.335	0.43
8	LTE 12	QPSK10M	Rear Face	0	23130	1	0	w/o	-	1.00	23.00	21.93	1.28	-0.05	0.395	0.51
	LTE 12	QPSK10M	Rear Face	0	23130	1	0	w/	-	1.00	23.00	21.93	1.28	0.05	0.39	0.50
	LTE 13	QPSK10M	Front Face	0	23230	1	0	w/o	-	1.00	23.00	22.02	1.25	0.03	0.373	0.47
9	LTE 13	QPSK10M	Rear Face	0	23230	1	0	w/o	-	1.00	23.00	22.02	1.25	-0.07	0.406	0.51
	LTE 13	QPSK10M	Left Side	0	23230	1	0	w/o	-	1.00	23.00	22.02	1.25	-0.09	0.279	0.35
	LTE 13	QPSK10M	Right Side	0	23230	1	0	w/o	-	1.00	23.00	22.02	1.25	0.08	0.25	0.31
	LTE 13	QPSK10M	Top Side	0	23230	1	0	w/o	-	1.00	23.00	22.02	1.25	0.03	0.066	0.08
	LTE 13	QPSK10M	Bottom Side	0	23230	1	0	w/o	-	1.00	23.00	22.02	1.25	0	<0.001	0.00
	LTE 13	QPSK10M	Front Face	0	23230	25	0	w/o	-	1.00	22.00	20.91	1.29	-0.14	0.25	0.32
	LTE 13	QPSK10M	Rear Face	0	23230	25	0	w/o	-	1.00	22.00	20.91	1.29	-0.08	0.288	0.37
	LTE 13	QPSK10M	Left Side	0	23230	25	0	w/o	-	1.00	22.00	20.91	1.29	-0.07	0.213	0.27
	LTE 13	QPSK10M	Right Side	0	23230	25	0	w/o	-	1.00	22.00	20.91	1.29	0.08	0.213	0.27
	LTE 13	QPSK10M	Top Side	0	23230	25	0	w/o	-	1.00	22.00	20.91	1.29	0.12	0.049	0.06
	LTE 13	QPSK10M	Bottom Side	0	23230	25	0	w/o	-	1.00	22.00	20.91	1.29	0	<0.001	0.00
	LTE 13	QPSK10M	Rear Face	0	23230	1	0	w/	-	1.00	23.00	22.02	1.25	-0.04	0.316	0.40

Extremity SAR Test Result

System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Earphone	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-10g (W/kg)	Scaled SAR-10g (W/kg)
	WLAN2.4G	802.11b	Front Face	0	1			w/o	97.39	1.03	16.50	14.92	1.44	0.01	0.043	0.06
11	WLAN2.4G	802.11b	Rear Face	0	1			w/o	97.39	1.03	16.50	14.92	1.44	-0.13	0.429	0.64
	WLAN2.4G	802.11b	Left Side	0	1			w/o	97.39	1.03	16.50	14.92	1.44	0	<0.001	0.00
	WLAN2.4G	802.11b	Right Side	0	1			w/o	97.39	1.03	16.50	14.92	1.44	-0.1	0.123	0.18
	WLAN2.4G	802.11b	Top Side	0	1			w/o	97.39	1.03	16.50	14.92	1.44	0.01	0.013	0.02
	WLAN2.4G	802.11b	Bottom Side	0	1			w/o	97.39	1.03	16.50	14.92	1.44	0	<0.001	0.00
	WLAN2.4G	802.11b	Rear Face	0	6			w/o	97.39	1.03	15.00	14.15	1.22	0.1	0.249	0.31
	WLAN2.4G	802.11b	Rear Face	0	11			w/o	97.39	1.03	15.00	14.32	1.17	-0.15	0.158	0.19
	WLAN2.4G	802.11b	Rear Face	0	1			w/	97.39	1.03	16.50	14.92	1.44	0.07	0.424	0.63
	WLAN5.2G	802.11a	Front Face	0	36			w/o	85.90	1.16	12.50	12.02	1.12	-0.16	0.017	0.02
	WLAN5.2G	802.11a	Rear Face	0	36			w/o	85.90	1.16	12.50	12.02	1.12	-0.05	0.175	0.23
	WLAN5.2G	802.11a	Left Side	0	36			w/o	85.90	1.16	12.50	12.02	1.12	0	<0.001	0.00
	WLAN5.2G	802.11a	Right Side	0	36			w/o	85.90	1.16	12.50	12.02	1.12	-0.05	0.112	0.15
	WLAN5.2G	802.11a	Top Side	0	36			w/o	85.90	1.16	12.50	12.02	1.12	0.16	0.02	0.03
	WLAN5.2G	802.11a	Bottom Side	0	36			w/o	85.90	1.16	12.50	12.02	1.12	0	<0.001	0.00
	WLAN5.2G	802.11a	Rear Face	0	40			w/o	85.90	1.16	12.50	11.71	1.20	-0.06	0.191	0.27
	WLAN5.2G	802.11a	Rear Face	0	44			w/o	85.90	1.16	12.50	11.69	1.21	0.14	0.194	0.27
12	WLAN5.2G	802.11a	Rear Face	0	48			w/o	85.90	1.16	12.50	11.57	1.24	-0.1	0.227	0.33
	WLAN5.2G	802.11a	Rear Face	0	48			w/	85.90	1.16	12.50	11.57	1.24	-0.01	0.182	0.26
	WLAN5.8G	802.11a	Front Face	0	157			w/o	85.90	1.16	12.50	12.25	1.06	0.03	0.03	0.04
	WLAN5.8G	802.11a	Rear Face	0	157			w/o	85.90	1.16	12.50	12.25	1.06	-0.04	0.391	0.48
	WLAN5.8G	802.11a	Left Side	0	157			w/o	85.90	1.16	12.50	12.25	1.06	0	<0.001	0.00
	WLAN5.8G	802.11a	Right Side	0	157			w/o	85.90	1.16	12.50	12.25	1.06	-0.13	0.236	0.29
	WLAN5.8G	802.11a	Top Side	0	157			w/o	85.90	1.16	12.50	12.25	1.06	-0.19	0.028	0.03
	WLAN5.8G	802.11a	Bottom Side	0	157			w/o	85.90	1.16	12.50	12.25	1.06	0	<0.001	0.00
	WLAN5.8G	802.11a	Rear Face	0	149			w/o	85.90	1.16	12.50	11.85	1.16	0.02	0.262	0.35
	WLAN5.8G	802.11a	Rear Face	0	153			w/o	85.90	1.16	12.50	11.97	1.13	0.07	0.315	0.41
	WLAN5.8G	802.11a	Rear Face	0	161			w/o	85.90	1.16	12.50	12.21	1.07	0.17	0.368	0.46
13	WLAN5.8G	802.11a	Rear Face	0	165			w/o	85.90	1.16	12.50	12.02	1.12	0.03	0.532	0.69
	WLAN5.8G	802.11a	Rear Face	0	165			w/	85.90	1.16	12.50	12.02	1.12	0.01	0.412	0.54

Extremity SAR Test Result

System & Position								DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Earphone	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-10g (W/kg)	Scaled SAR-10g (W/kg)
	BT	BDR	Front Face	0	39			w/o	76.87	1.30	11.00	10.89	1.03	0	<0.001	0.00
14	BT	BDR	Rear Face	0	39			w/o	76.87	1.30	11.00	10.89	1.03	-0.04	0.095	0.13
	BT	BDR	Left Side	0	39			w/o	76.87	1.30	11.00	10.89	1.03	0	<0.001	0.00
	BT	BDR	Right Side	0	39			w/o	76.87	1.30	11.00	10.89	1.03	0.19	0.026	0.03
	BT	BDR	Top Side	0	39			w/o	76.87	1.30	11.00	10.89	1.03	0	<0.001	0.00
	BT	BDR	Bottom Side	0	39			w/o	76.87	1.30	11.00	10.89	1.03	0	<0.001	0.00
	BT	BDR	Rear Face	0	0			w/o	76.87	1.30	7.00	6.84	1.04	0.1	0.064	0.09
	BT	BDR	Rear Face	0	78			w/o	76.87	1.30	11.00	9.68	1.36	0.01	0.037	0.07
	BT	BDR	Rear Face	0	39			w/	76.87	1.30	11.00	10.89	1.03	-0.01	0.071	0.10

Appendix H. Analysis of Simultaneous Transmission.

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	Extremity Exposure Condition
A	MAX WWAN +MAX WLAN	Yes
B	MAX WWAN +BT_Ant 0	Yes

Notes

1. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.
2. The WLAN and Bluetooth cannot transmit simultaneously.

Simultaneous Transmission SAR Evaluation (Extremity)						
Band	Position	1	2	3	A(1+3)	B(1+2)
		Max WWAN 10g SAR W/kg	Max BT Ant 0 10g SAR W/kg	Max WLAN 10g SAR W/kg	Summing result 10g SAR W/kg	Summing result 10g SAR W/kg
WCDMA II	Front Face	0.53	0.00	0.06	0.59	0.53
	Rear Face	1.85	0.13	0.69	2.54	1.98
	Left Side	0.13	0.00	0.00	0.13	0.13
	Right Side	0.06	0.03	0.29	0.35	0.09
	Top Side	1.30	0.00	0.03	1.33	1.30
	Bottom Side	0.00	0.00	0.00	0.00	0.00
WCDMA IV	Front Face	0.73	0.00	0.06	0.79	0.73
	Rear Face	2.74	0.13	0.69	3.43	2.87
	Left Side	0.41	0.00	0.00	0.41	0.41
	Right Side	0.23	0.03	0.29	0.52	0.26
	Top Side	2.61	0.00	0.03	2.64	2.61
	Bottom Side	0.00	0.00	0.00	0.00	0.00
WCDMA V	Front Face	0.26	0.00	0.06	0.32	0.26
	Rear Face	0.42	0.13	0.69	1.11	0.55
	Left Side	0.17	0.00	0.00	0.17	0.17
	Right Side	0.19	0.03	0.29	0.48	0.22
	Top Side	0.16	0.00	0.03	0.19	0.16
	Bottom Side	0.00	0.00	0.00	0.00	0.00
LTE 2	Front Face	0.61	0.00	0.06	0.67	0.61
	Rear Face	1.99	0.13	0.69	2.68	2.12
	Left Side	0.16	0.00	0.00	0.16	0.16
	Right Side	0.07	0.03	0.29	0.36	0.10
	Top Side	1.60	0.00	0.03	1.63	1.60
	Bottom Side	0.00	0.00	0.00	0.00	0.00
LTE 4	Front Face	0.85	0.00	0.06	0.91	0.85
	Rear Face	3.02	0.13	0.69	3.71	3.15
	Left Side	0.52	0.00	0.00	0.52	0.52
	Right Side	0.20	0.03	0.29	0.49	0.23
	Top Side	3.67	0.00	0.03	3.70	3.67
	Bottom Side	0.00	0.00	0.00	0.00	0.00
LTE 5	Front Face	0.44	0.00	0.06	0.50	0.44
	Rear Face	0.59	0.13	0.69	1.28	0.72
	Left Side	0.29	0.00	0.00	0.29	0.29
	Right Side	0.34	0.03	0.29	0.63	0.37
	Top Side	0.29	0.00	0.03	0.32	0.29
	Bottom Side	0.00	0.00	0.00	0.00	0.00

Simultaneous Transmission SAR Evaluation (Extremity)						
Band	Position	1	2	3	A(1+3)	B(1+2)
		Max WWAN	Max BT Ant 0	Max WLAN	Summing result	Summing result
		10g SAR W/kg	10g SAR W/kg	10g SAR W/kg	10g SAR W/kg	10g SAR W/kg
LTE 7	Front Face	1.24	0.00	0.06	1.30	1.24
	Rear Face	1.40	0.13	0.69	2.09	1.53
	Left Side	0.31	0.00	0.00	0.31	0.31
	Right Side	0.47	0.03	0.29	0.76	0.50
	Top Side	1.23	0.00	0.03	1.26	1.23
	Bottom Side	0.04	0.00	0.00	0.04	0.04
LTE 12	Front Face	0.19	0.00	0.06	0.25	0.19
	Rear Face	0.51	0.13	0.69	1.20	0.64
	Left Side	0.11	0.00	0.00	0.11	0.11
	Right Side	0.10	0.03	0.29	0.39	0.13
	Top Side	0.08	0.00	0.03	0.11	0.08
	Bottom Side	0.00	0.00	0.00	0.00	0.00
LTE 13	Front Face	0.47	0.00	0.06	0.53	0.47
	Rear Face	0.51	0.13	0.69	1.20	0.64
	Left Side	0.35	0.00	0.00	0.35	0.35
	Right Side	0.31	0.03	0.29	0.60	0.34
	Top Side	0.08	0.00	0.03	0.11	0.08
	Bottom Side	0.00	0.00	0.00	0.00	0.00