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: 2022/03/09

S01 System Check_H835_220309

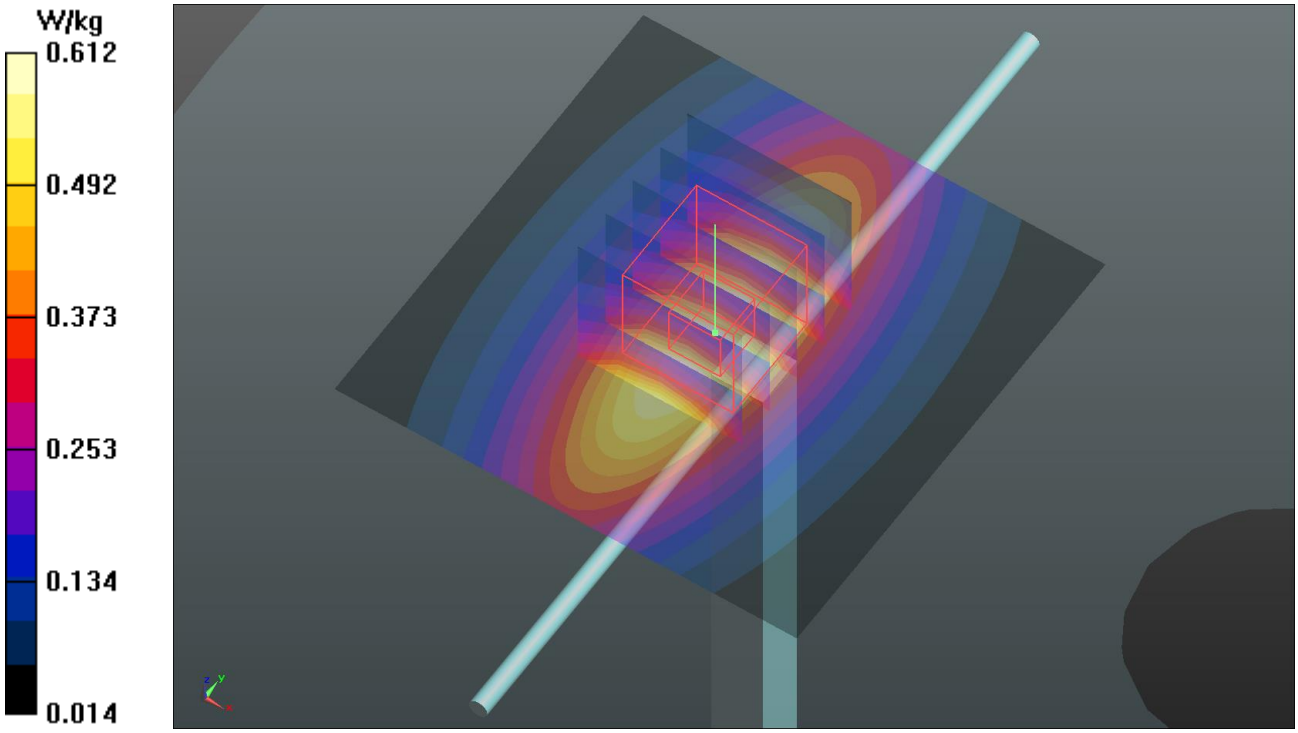
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_0309 Medium parameters used: f = 835 MHz; σ = 0.919 S/m; ε_r = 41.768; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 835 MHz; Calibrated: 2022/01/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2022/01/19
- Phantom: Twin SAM Phantom_1823; Type: QD000P40;
- 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) = 0.612 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.83 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.691 W/kg
SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.296 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.611 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

S02 System Check_H1900_220308

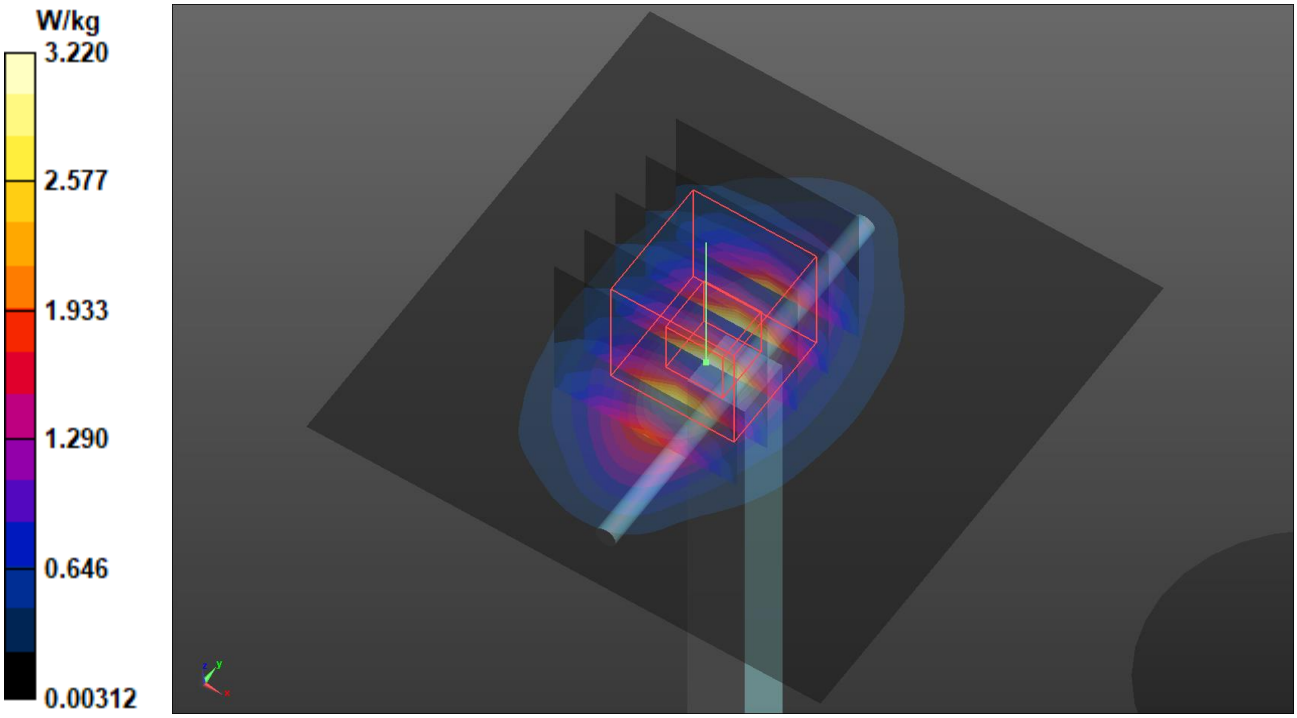
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H16T20N1_0308 Medium parameters used: f = 1900 MHz; σ = 1.46 S/m; ε_r = 38.262; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.27, 8.27, 8.27) @ 1900 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 3.22 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.36 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.97 W/kg
SAR(1 g) = 2 W/kg; SAR(10 g) = 1.04 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.29 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

S03 System Check_H1900_220308

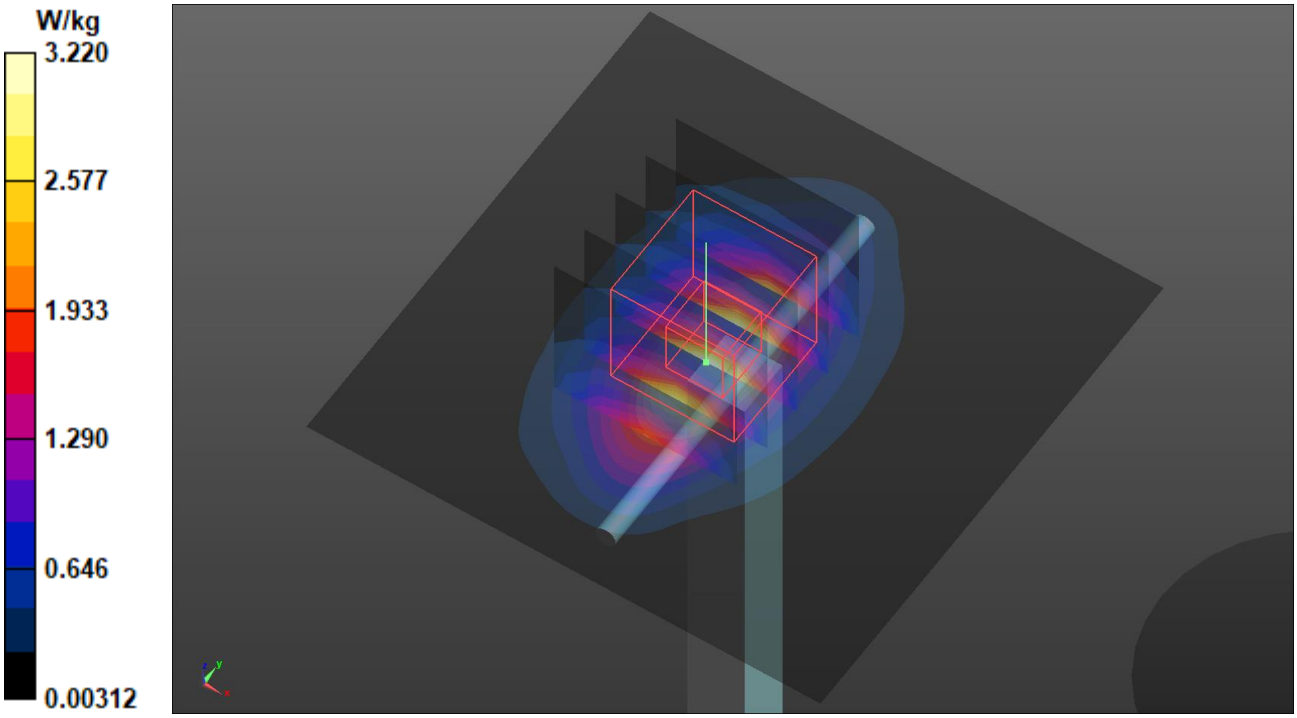
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H16T20N1_0308 Medium parameters used: f = 1900 MHz; σ = 1.46 S/m; ε_r = 38.262; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.27, 8.27, 8.27) @ 1900 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 3.22 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.36 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.97 W/kg
SAR(1 g) = 2 W/kg; SAR(10 g) = 1.04 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.29 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

S04 System Check_H1750_220308

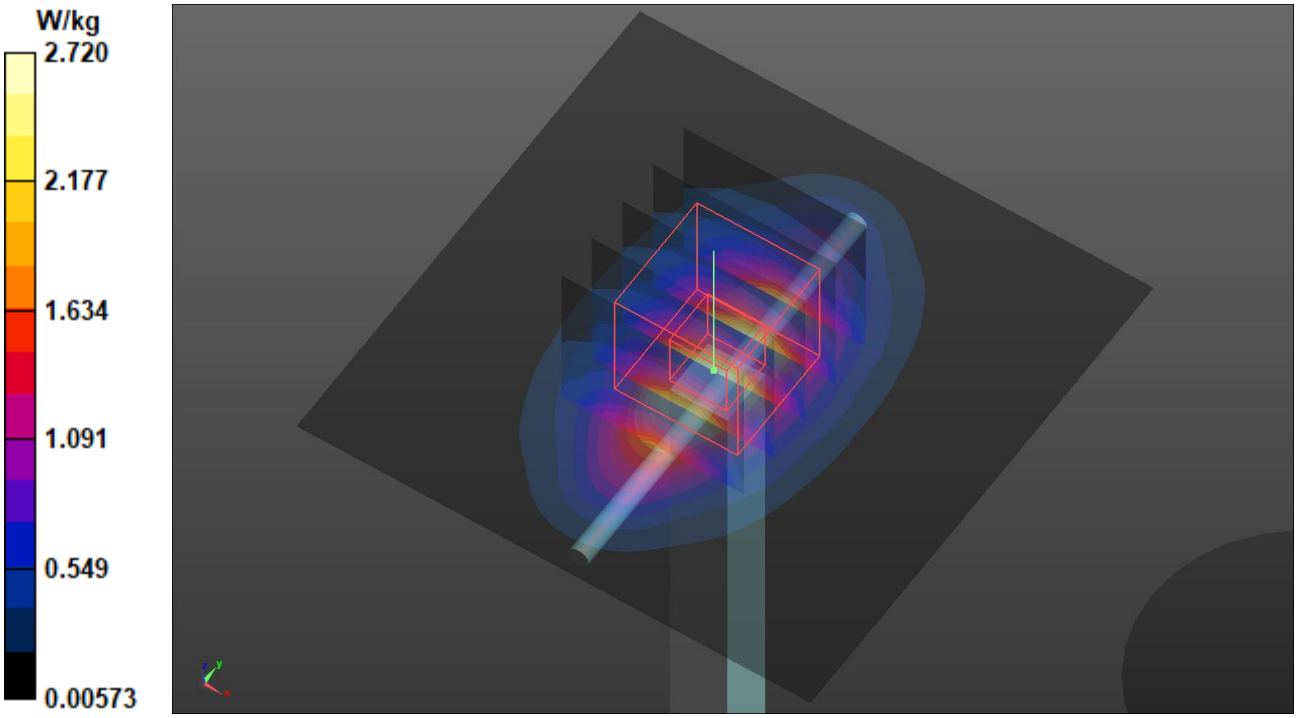
DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: UID 0, CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: H16T20N1_0308 Medium parameters used: f = 1750 MHz; σ = 1.335 S/m; ε_r = 38.757; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.55, 8.55, 8.55) @ 1750 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 2.72 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 46.57 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.26 W/kg
SAR(1 g) = 1.77 W/kg; SAR(10 g) = 0.940 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.73 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

S05 System Check_H835_220309

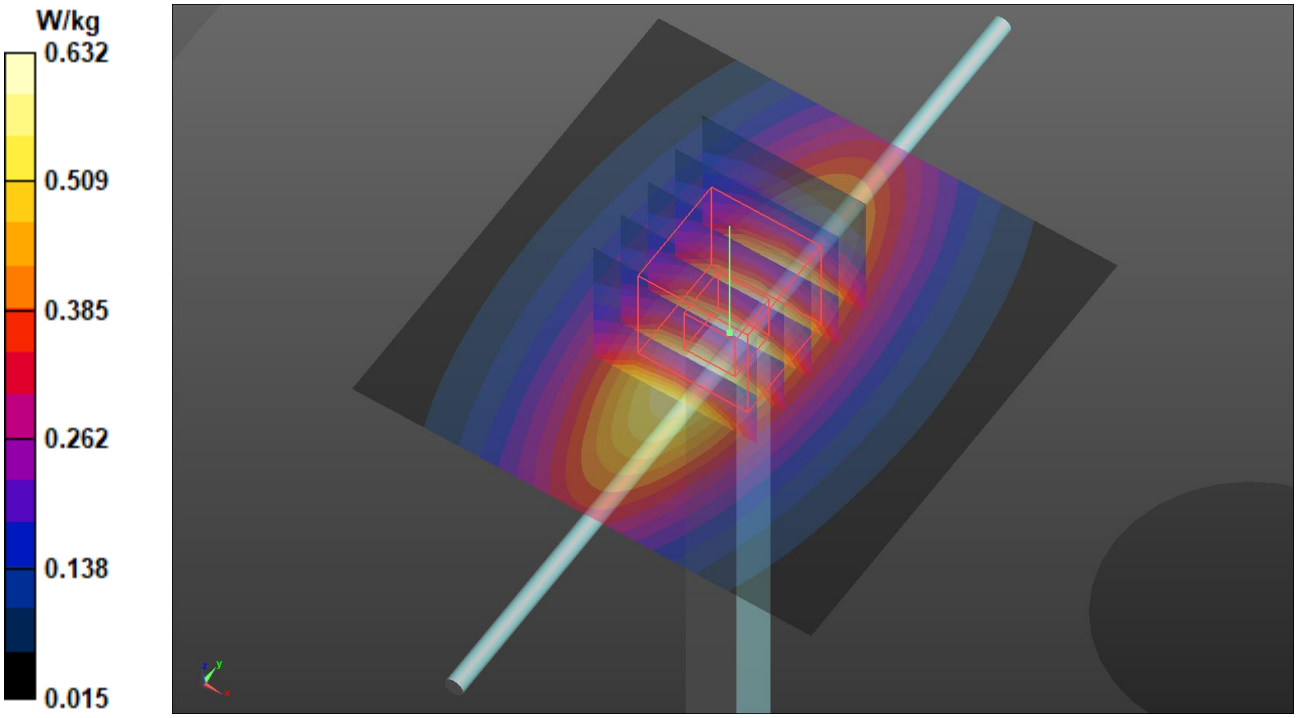
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_0309 Medium parameters used: f = 835 MHz; σ = 0.946 S/m; ε_r = 43.002; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(10.5, 10.5, 10.5) @ 835 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 0.632 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.88 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.714 W/kg
SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.302 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.632 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

S06 System Check_H1900_220308

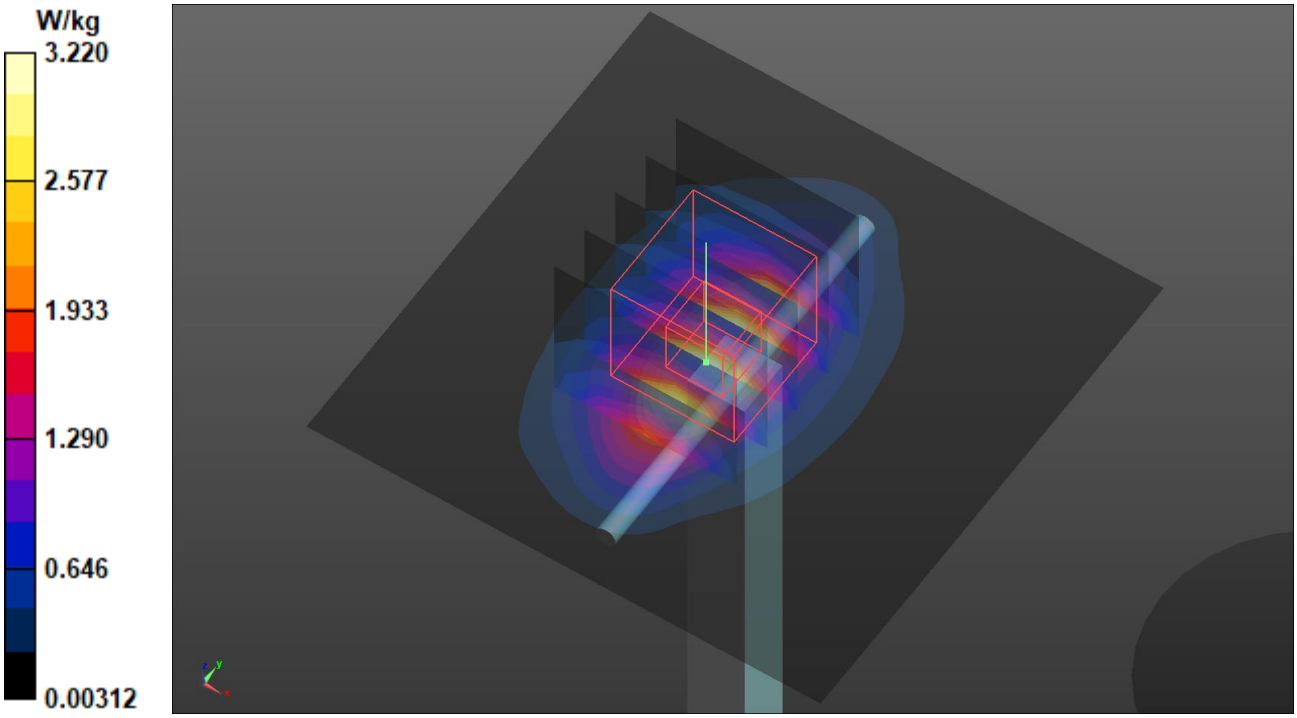
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H16T20N1_0308 Medium parameters used: f = 1900 MHz; σ = 1.46 S/m; ε_r = 38.262; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.27, 8.27, 8.27) @ 1900 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 3.22 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.36 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.97 W/kg
SAR(1 g) = 2 W/kg; SAR(10 g) = 1.04 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.29 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

S07 System Check_H1750_220308

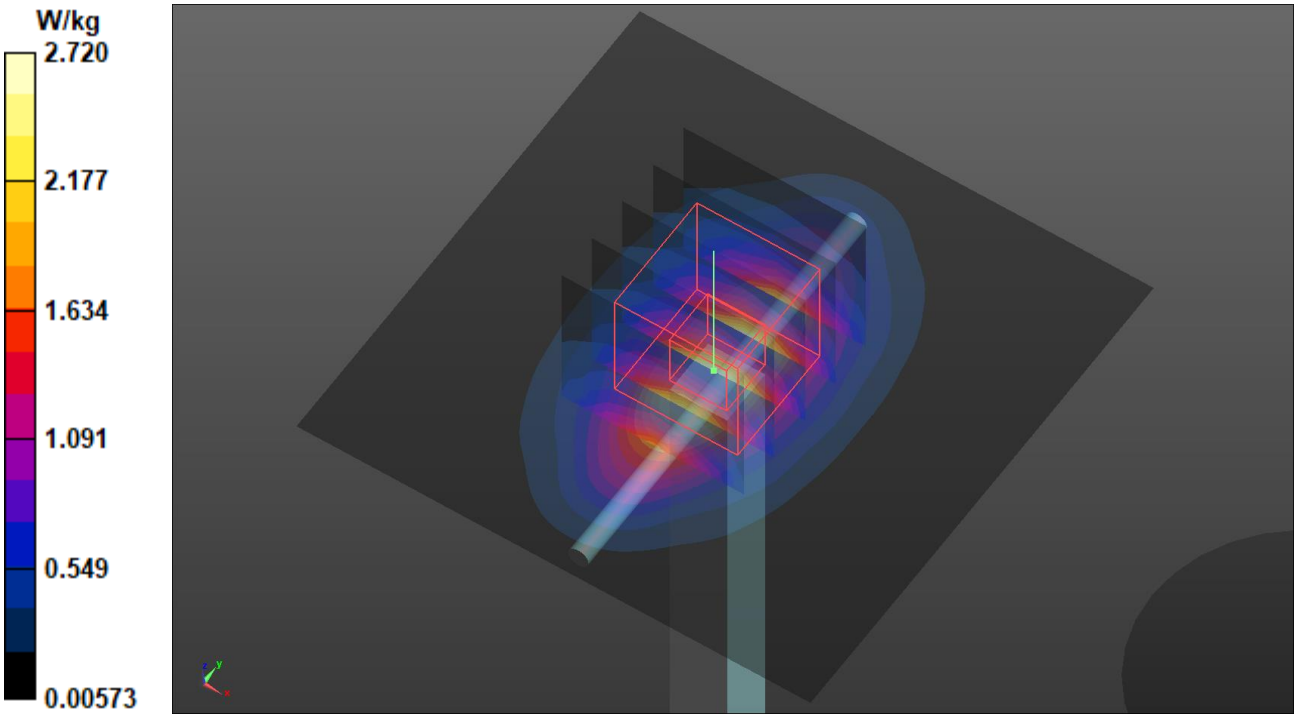
DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: UID 0, CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: H16T20N1_0308 Medium parameters used: f = 1750 MHz; σ = 1.335 S/m; ε_r = 38.757; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.55, 8.55, 8.55) @ 1750 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 2.72 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 46.57 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.26 W/kg
SAR(1 g) = 1.77 W/kg; SAR(10 g) = 0.940 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.73 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

S08 System Check_H835_220309

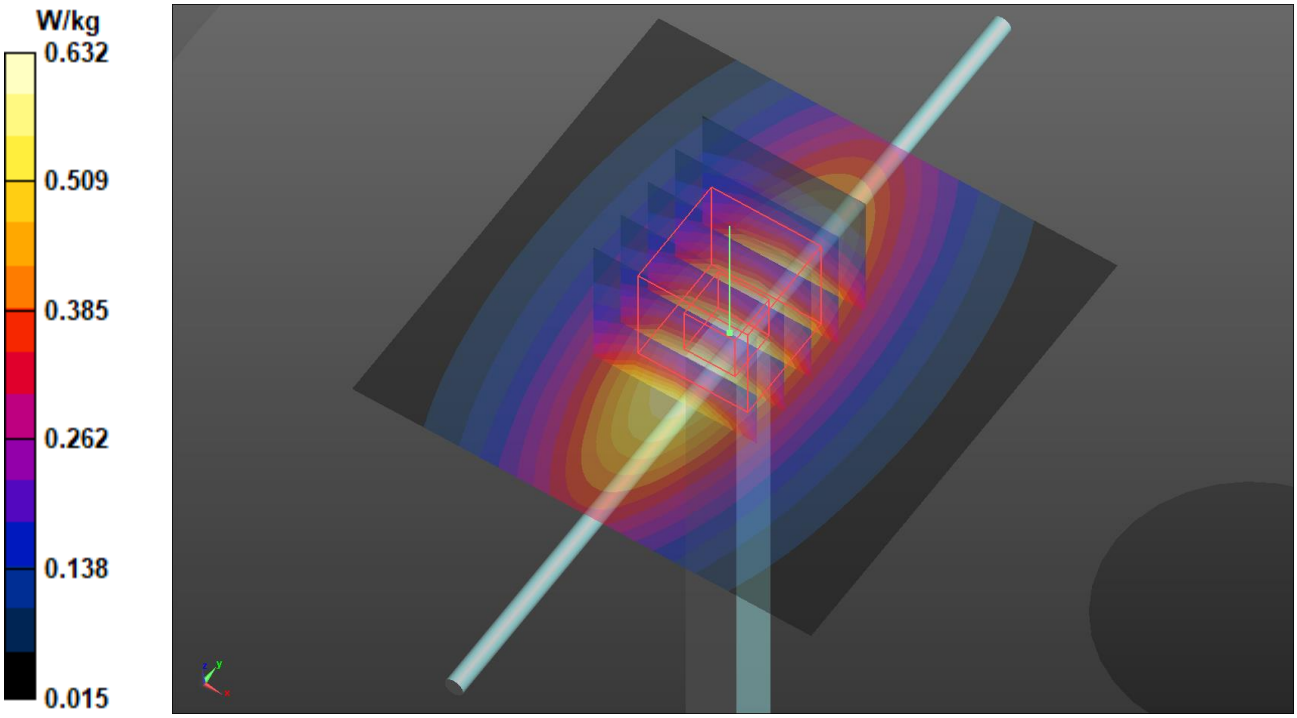
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_0309 Medium parameters used: f = 835 MHz; σ = 0.946 S/m; ε_r = 43.002; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(10.5, 10.5, 10.5) @ 835 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 0.632 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.88 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.714 W/kg
SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.302 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.632 W/kg



Plots of System Verification

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

S09 System Check_H2600_220310

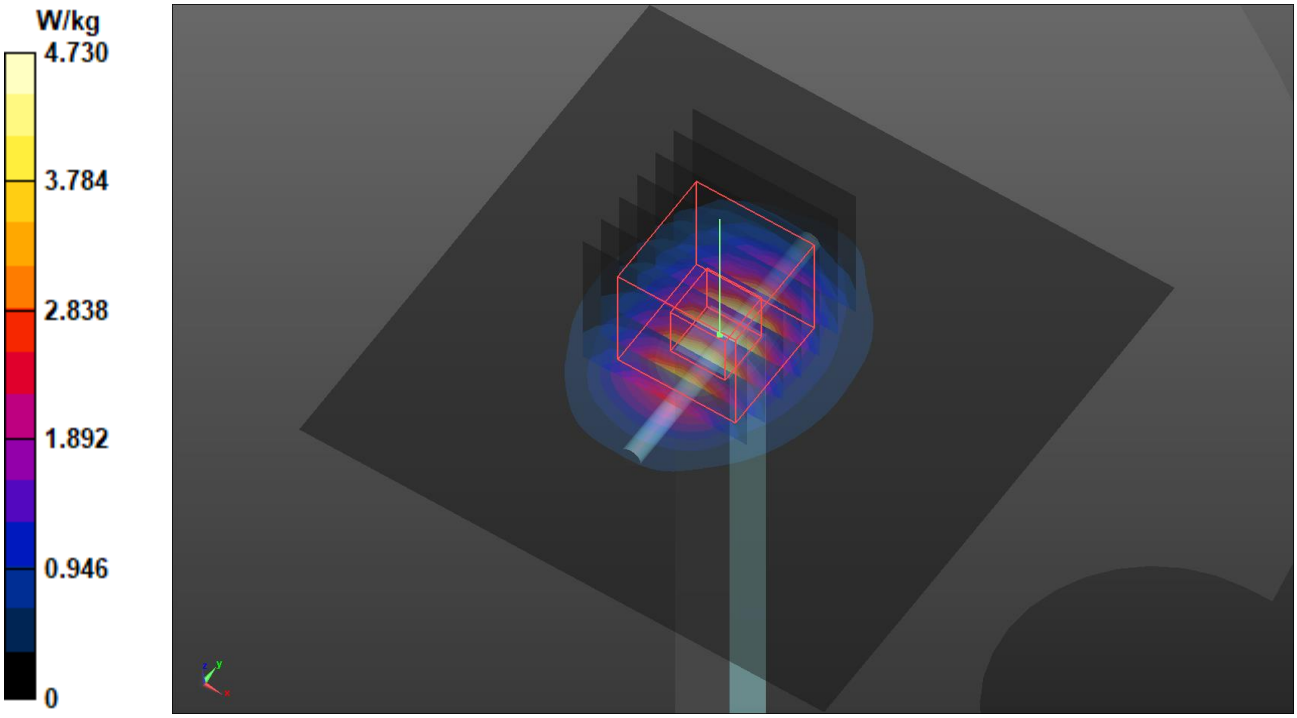
DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1020

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: H19T27N1_0310 Medium parameters used: f = 2600 MHz; σ = 1.984 S/m; ε_r = 38.033; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.41, 7.41, 7.41) @ 2600 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 4.73 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 46.27 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 6.02 W/kg
SAR(1 g) = 2.81 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.82 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

S10 System Check_H750_220309

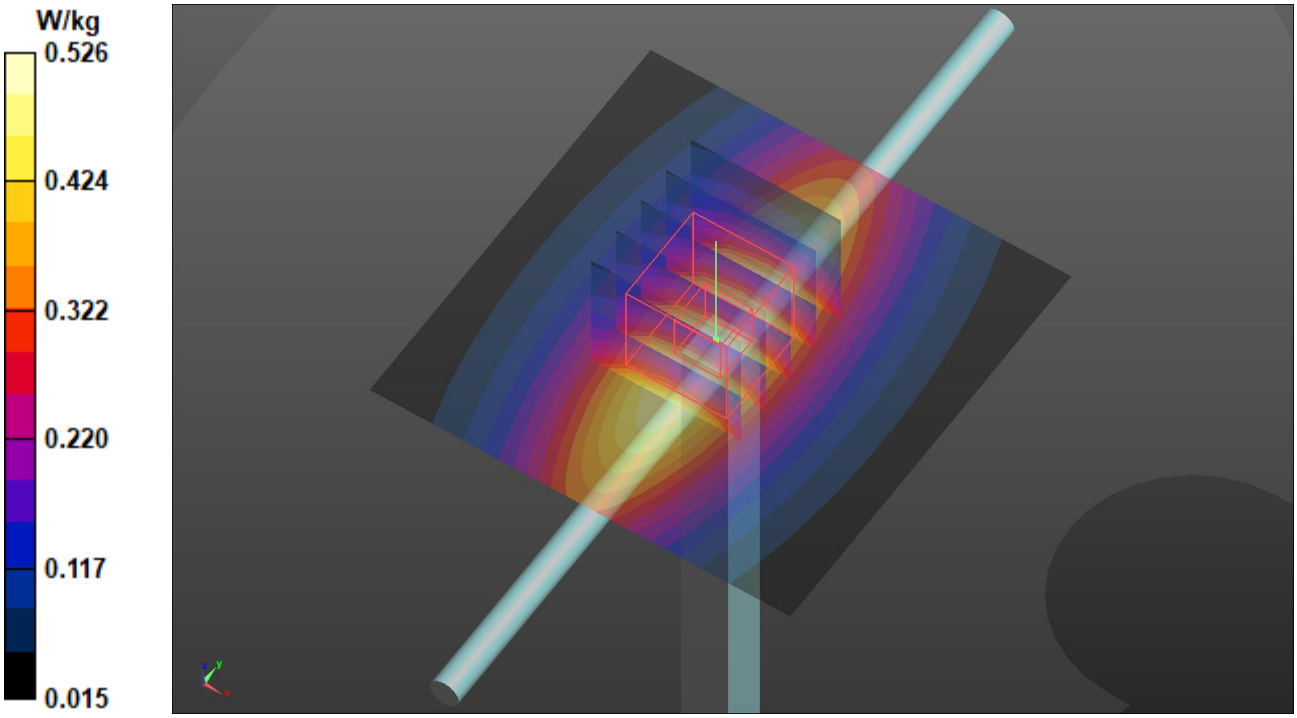
DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: H06T09N1_0309 Medium parameters used: f = 750 MHz; σ = 0.893 S/m; ε_r = 40.625; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(10.69, 10.69, 10.69) @ 750 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 0.526 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.68 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.600 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.255 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.529 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

S11 System Check_H750_220309

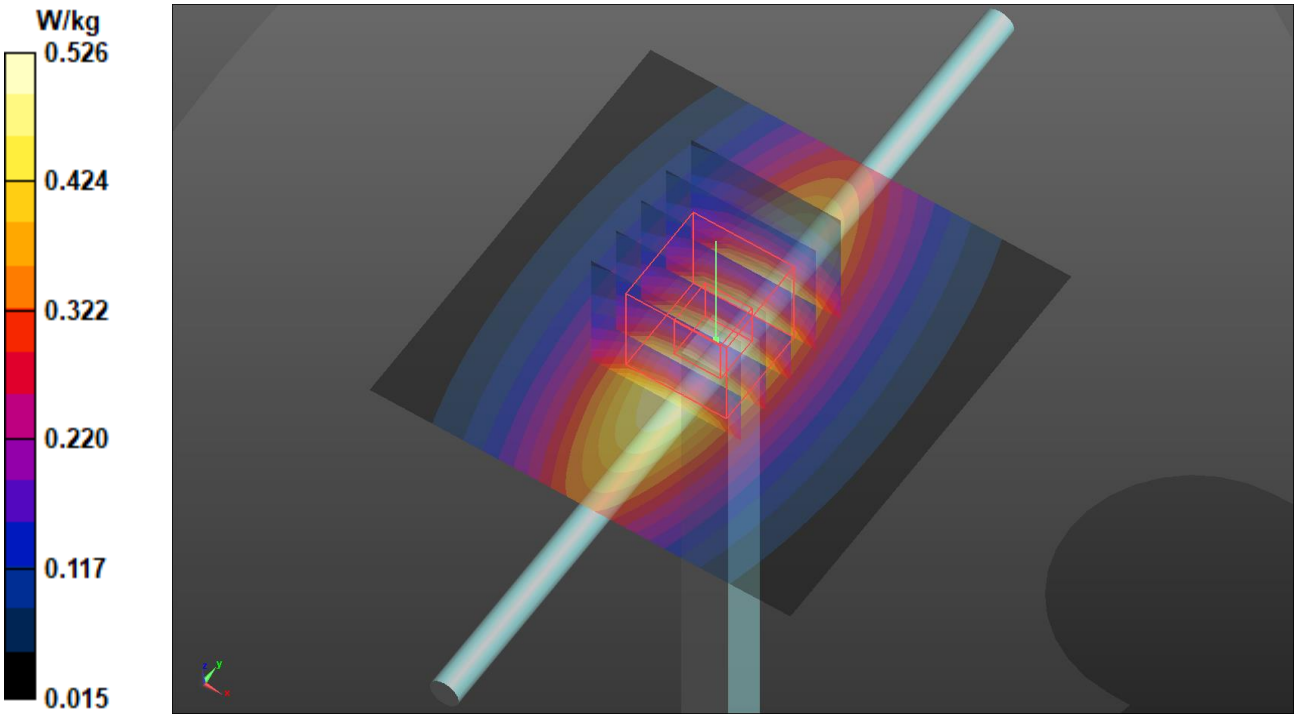
DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: UID 0, CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: H06T09N1_0309 Medium parameters used: f = 750 MHz; σ = 0.893 S/m; ε_r = 40.625; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(10.69, 10.69, 10.69) @ 750 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 0.526 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.68 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.600 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.255 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.529 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

S12 System Check_H1900_220308

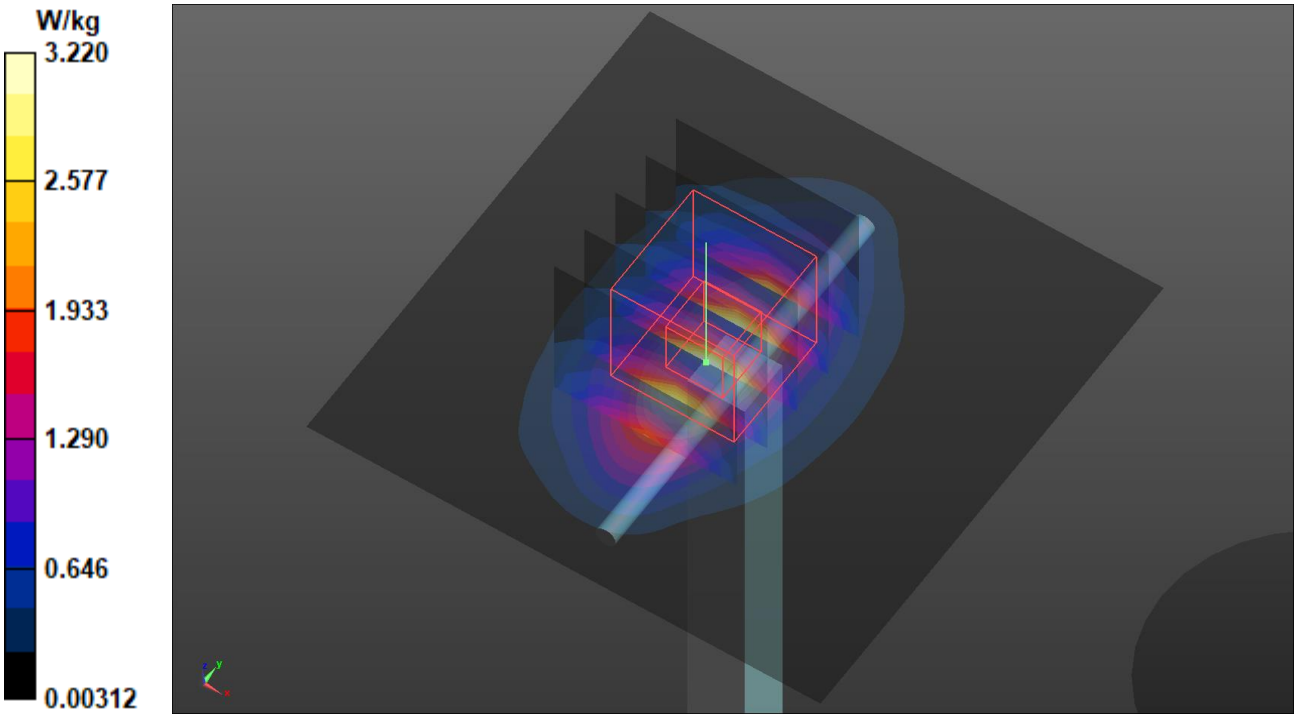
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H16T20N1_0308 Medium parameters used: f = 1900 MHz; σ = 1.46 S/m; ε_r = 38.262; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.27, 8.27, 8.27) @ 1900 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 3.22 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.36 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.97 W/kg
SAR(1 g) = 2 W/kg; SAR(10 g) = 1.04 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.29 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

S13 System Check_H835_220309

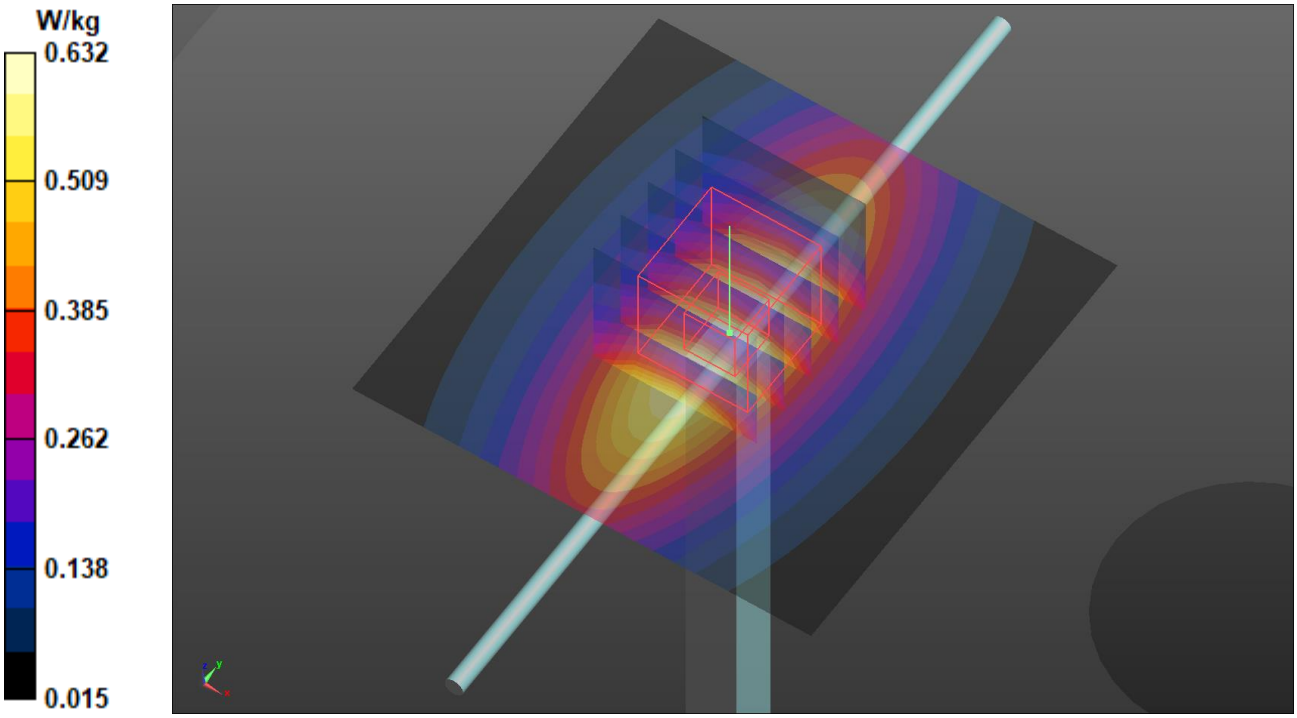
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_0309 Medium parameters used: f = 835 MHz; σ = 0.946 S/m; ε_r = 43.002; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(10.5, 10.5, 10.5) @ 835 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 0.632 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.88 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.714 W/kg
SAR(1 g) = 0.459 W/kg; SAR(10 g) = 0.302 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.632 W/kg



Plots of System Verification

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

S14 System Check_H2600_220310

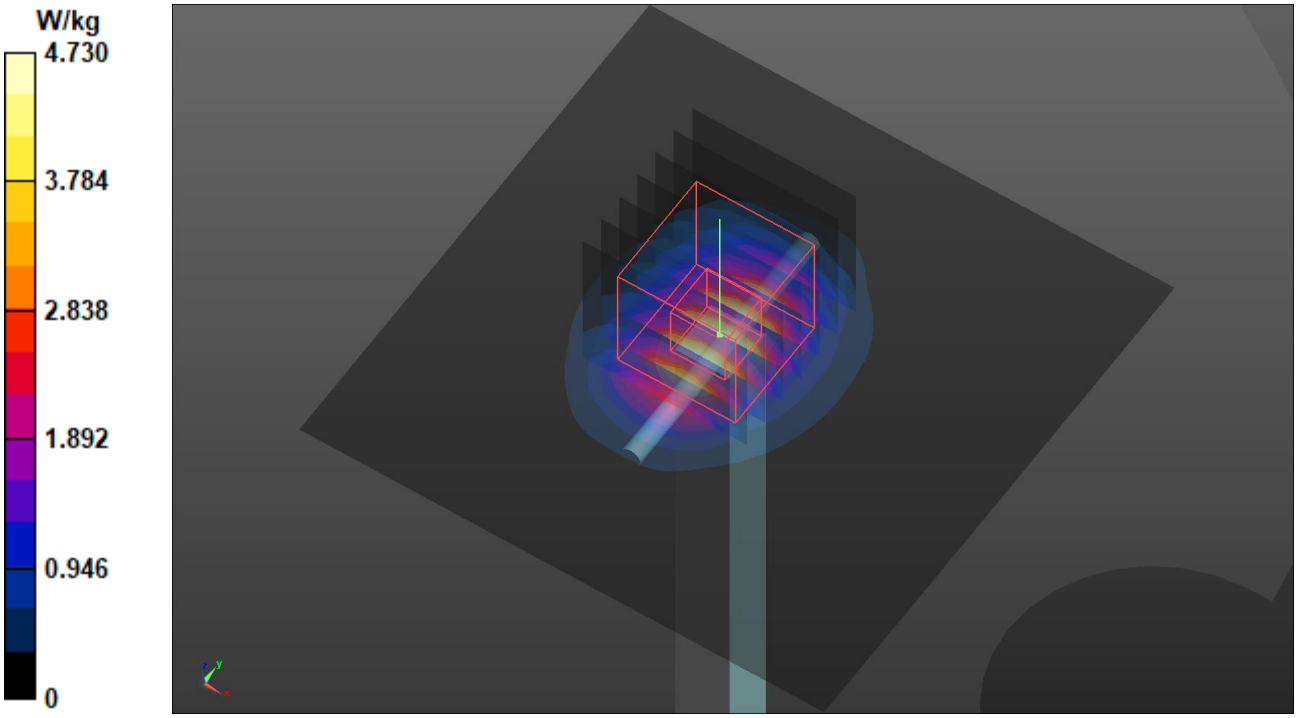
DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1020

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: H19T27N1_0310 Medium parameters used: f = 2600 MHz; σ = 1.984 S/m; ε_r = 38.033; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.41, 7.41, 7.41) @ 2600 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 4.73 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 46.27 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 6.02 W/kg
SAR(1 g) = 2.81 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.82 W/kg



Plots of System Verification

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

S15 System Check_H2600_220310

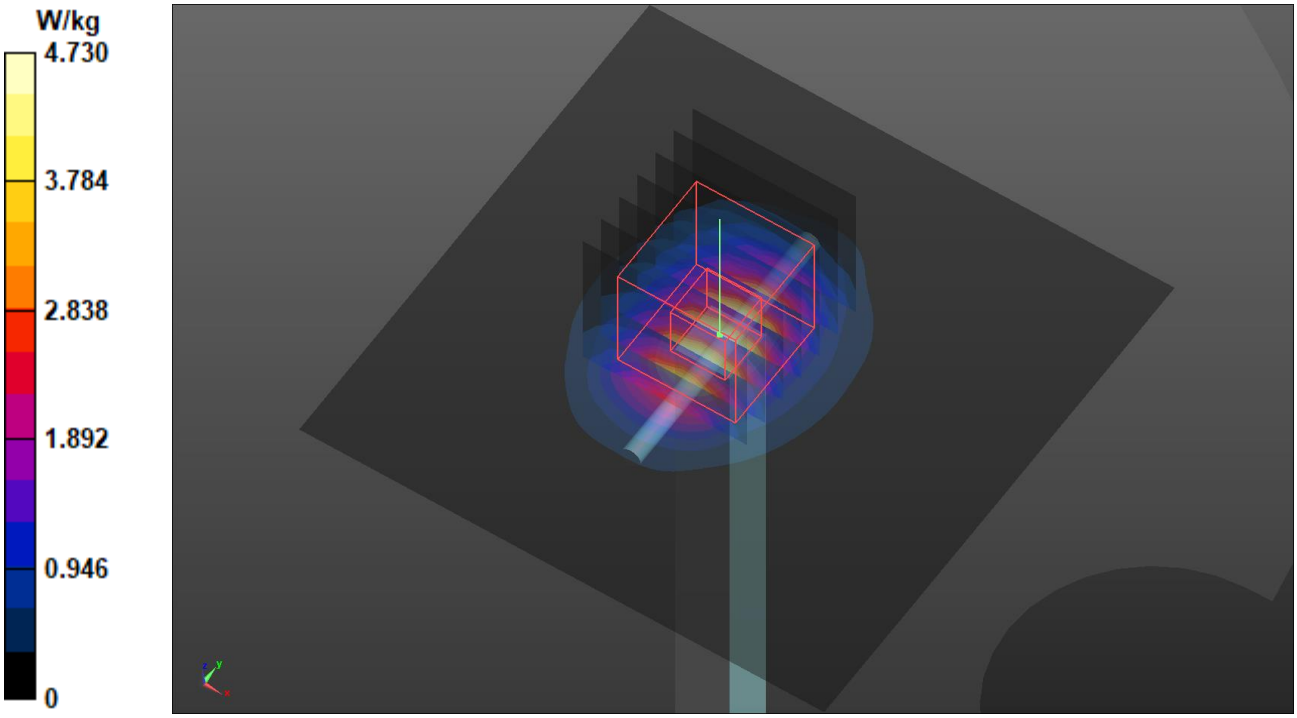
DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1020

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: H19T27N1_0310 Medium parameters used: f = 2600 MHz; σ = 1.984 S/m; ε_r = 38.033; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.41, 7.41, 7.41) @ 2600 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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) = 4.73 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 46.27 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 6.02 W/kg
SAR(1 g) = 2.81 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.82 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/11

S16 System Check_H2450_220311

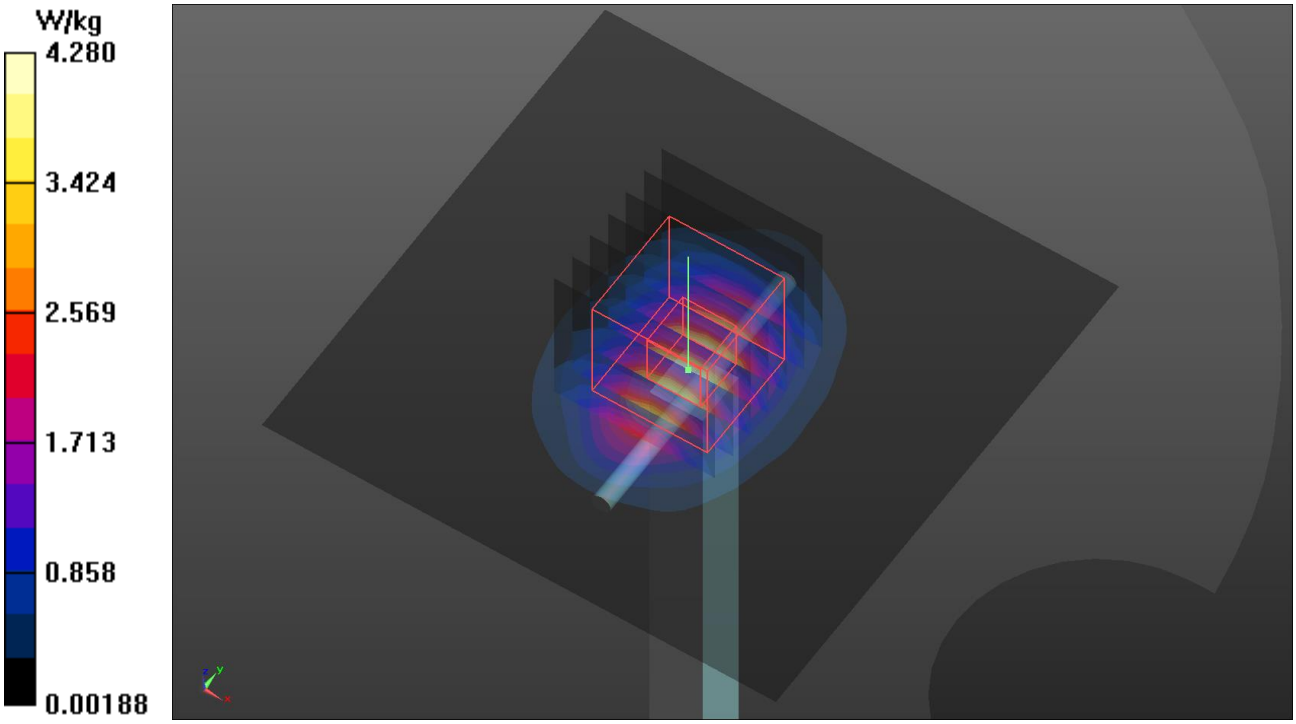
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H19T27N1_0311 Medium parameters used: f = 2450 MHz; σ = 1.79 S/m; ε_r = 37.777; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.77, 7.77, 7.77) @ 2450 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/4/14
- 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) = 4.28 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.81 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.44 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) = 4.32 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/11

S17 System Check_H5250_220311

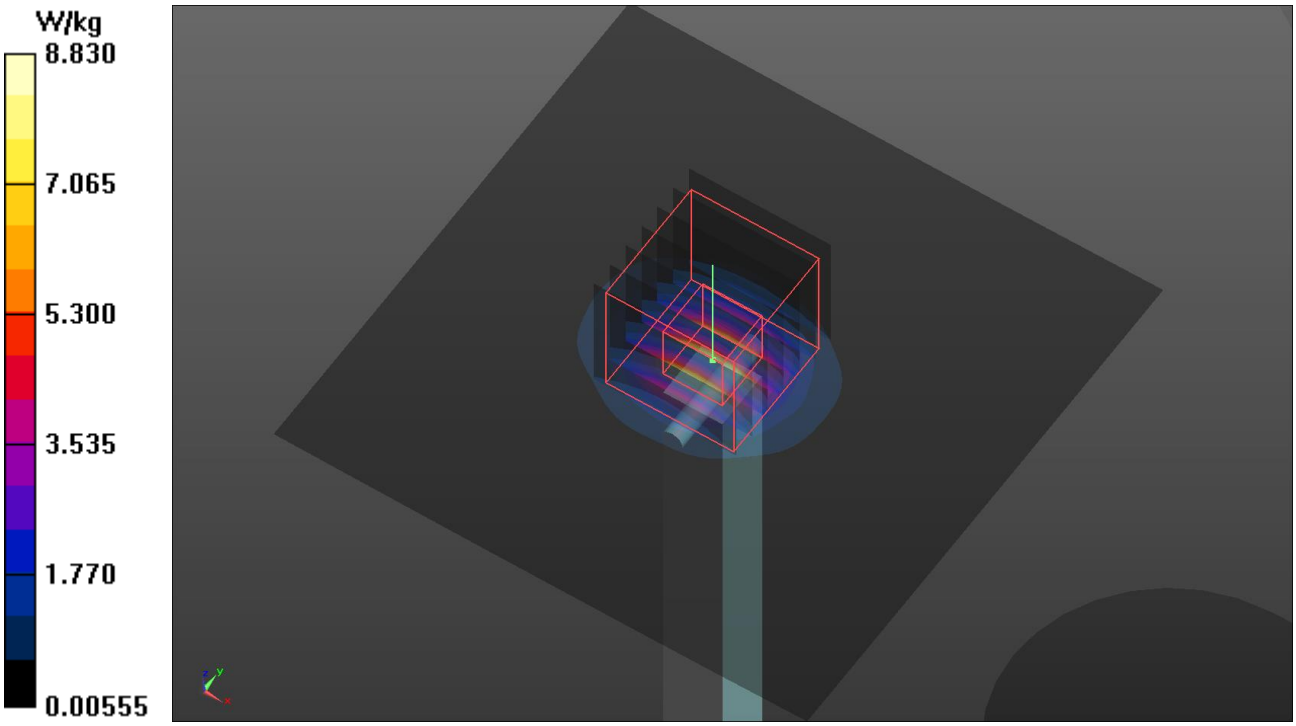
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: H34T60N1_0311 Medium parameters used (interpolated): f = 5250 MHz; σ = 4.66 S/m; ε_r = 37.316; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.29, 5.29, 5.29) @ 5250 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/4/14
- 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) = 8.83 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.98 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 14.9 W/kg
SAR(1 g) = 3.76 W/kg; SAR(10 g) = 1.08 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.39 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/11

S18 System Check_H5600_220311

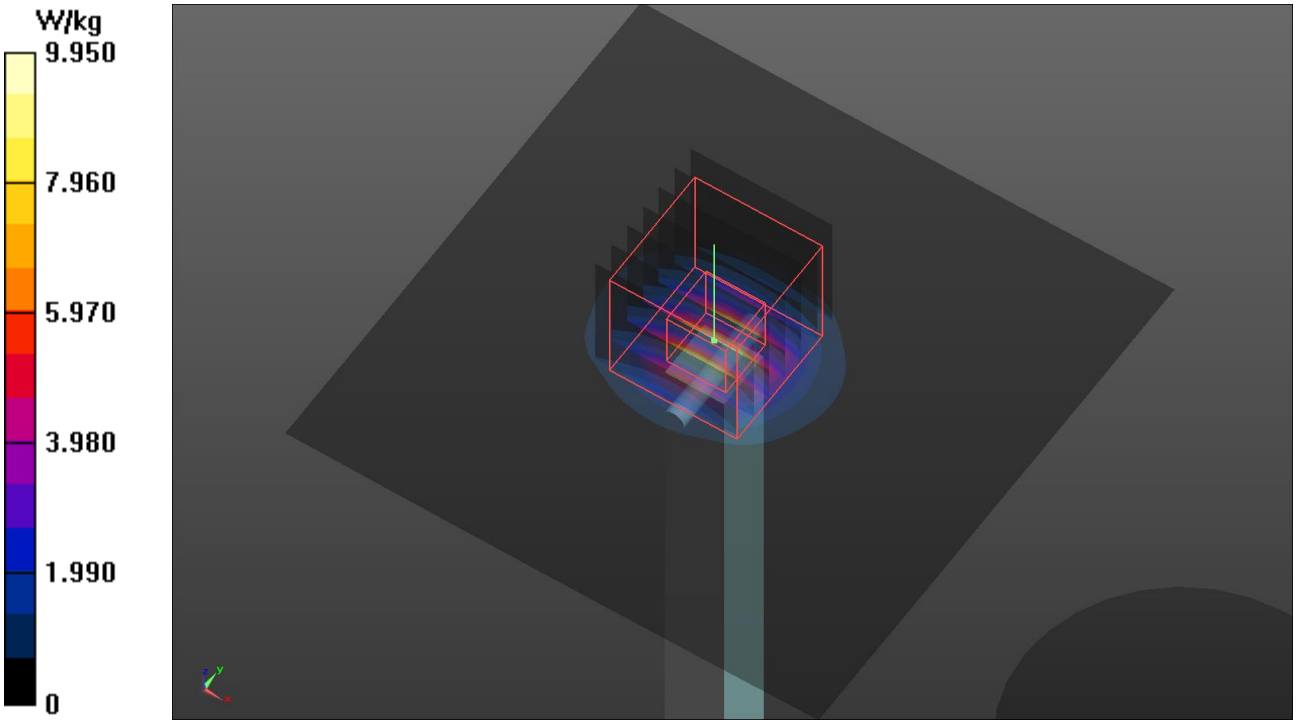
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: H34T60N1_0311 Medium parameters used: f = 5600 MHz; σ = 5.006 S/m; ε_r = 36.834; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.8, 4.8, 4.8) @ 5600 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/4/14
- 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) = 9.95 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 45.89 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 17.3 W/kg
SAR(1 g) = 4.03 W/kg; SAR(10 g) = 1.15 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: 2022/03/11

S19 System Check_H5750_220311

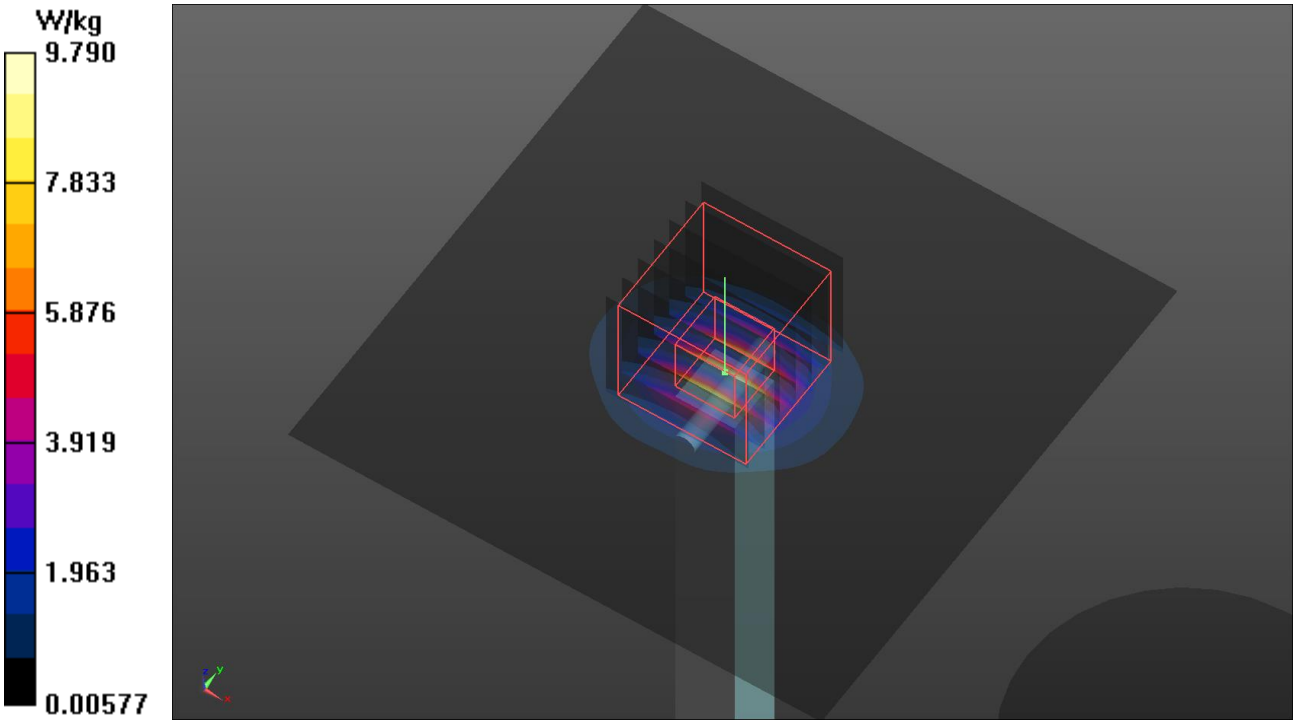
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H34T60N1_0311 Medium parameters used: f = 5750 MHz; σ = 5.157 S/m; ε_r = 36.632; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.1, 5.1, 5.1) @ 5750 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/4/14
- 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) = 9.79 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.88 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 18.1 W/kg
SAR(1 g) = 4.05 W/kg; SAR(10 g) = 1.16 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: 2022/03/11

S20 System Check_H2450_220311

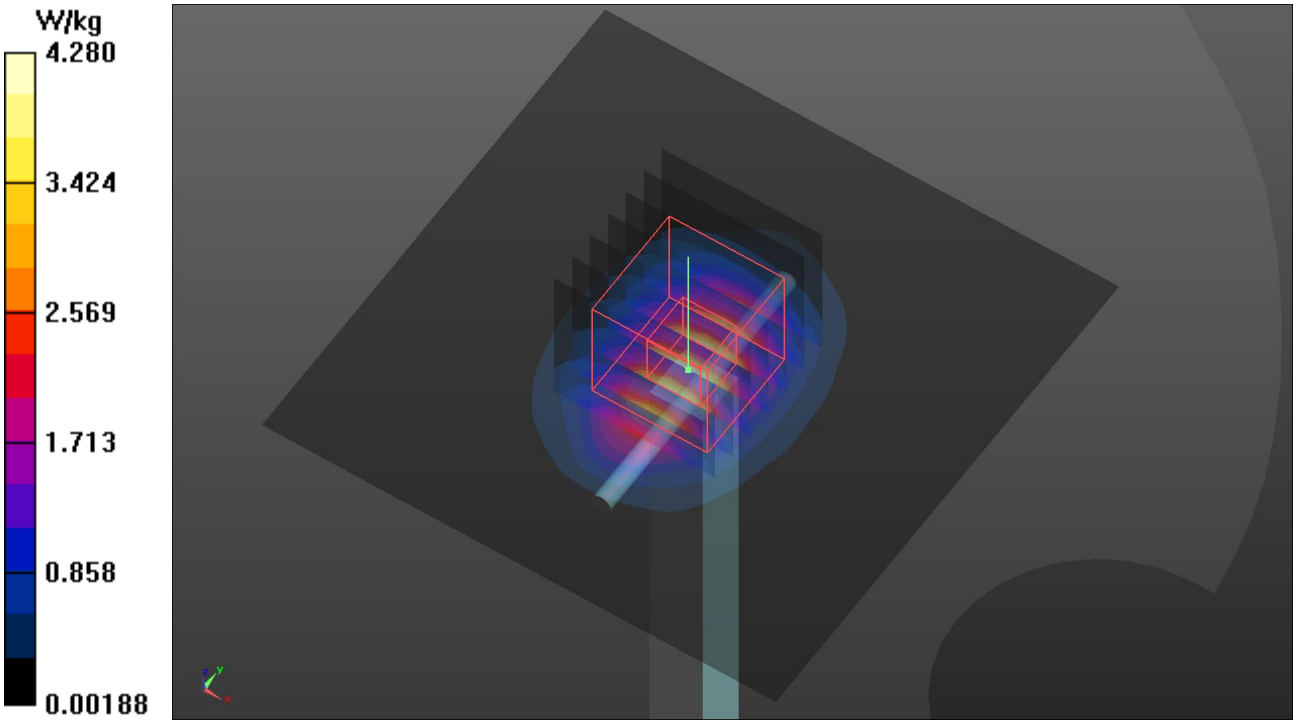
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H19T27N1_0311 Medium parameters used: f = 2450 MHz; σ = 1.79 S/m; ε_r = 37.777; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.77, 7.77, 7.77) @ 2450 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/4/14
- 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) = 4.28 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.81 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.44 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) = 4.32 W/kg



Annex B. Plots of Measurement

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

Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

P01 GSM850_GPRS10_Rear Face_0mm_Ch251

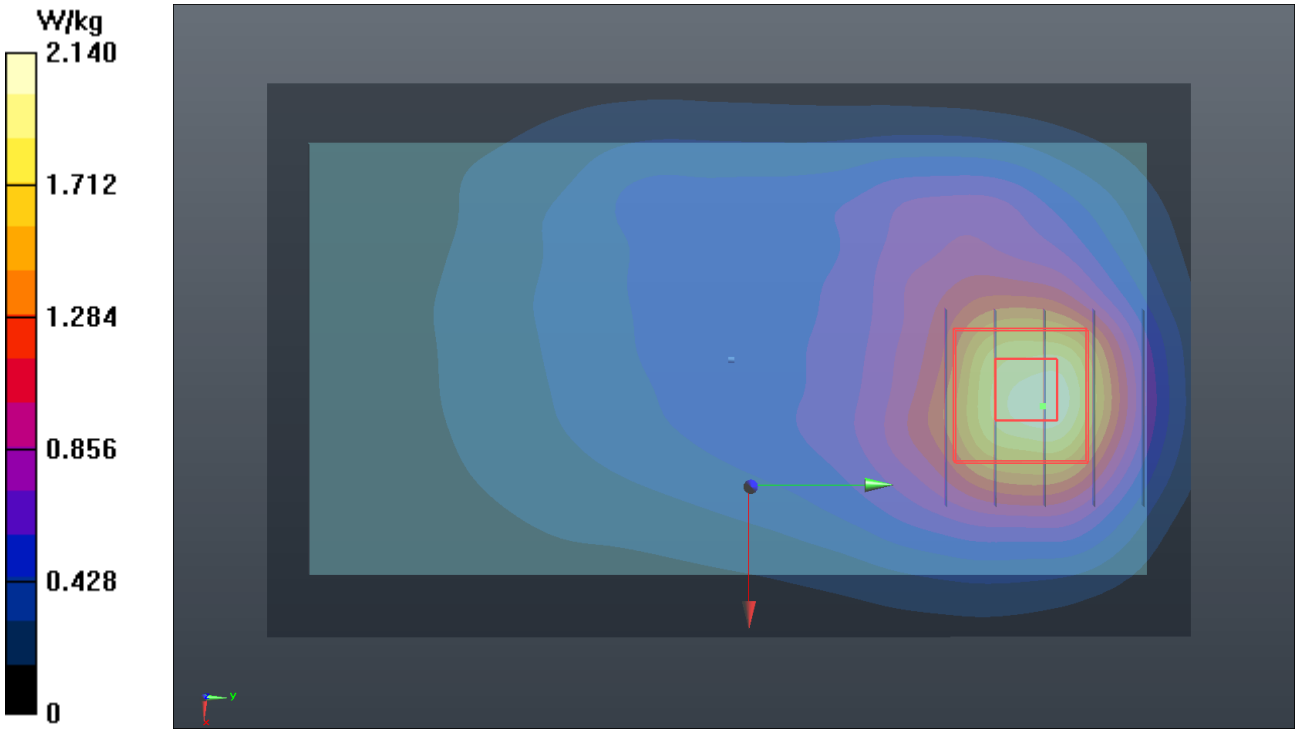
DUT: BFMG-WTW-P22010752

Communication System: UID 10024 - DAC, GPRS-FDD (TDMA, GMSK, TN 0-1); Frequency: 848.8 MHz;Duty Cycle: 1:4.53
Medium: H07T10N1_0309 Medium parameters used: f = 849 MHz; σ = 0.932 S/m; ε_r = 41.597; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 848.8 MHz; Calibrated: 2022/01/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2022/01/19
- Phantom: Twin SAM Phantom_1823; Type: QD000P40;
- 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) = 2.14 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 46.96 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 2.35 W/kg
SAR(1 g) = 1.41 W/kg; SAR(10 g) = 0.854 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 14.8 mm
Ratio of SAR at M2 to SAR at M1 = 61.9%
Maximum value of SAR (measured) = 1.94 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

P02 GSM1900_GPRS12_Rear Face_0mm_Ch661

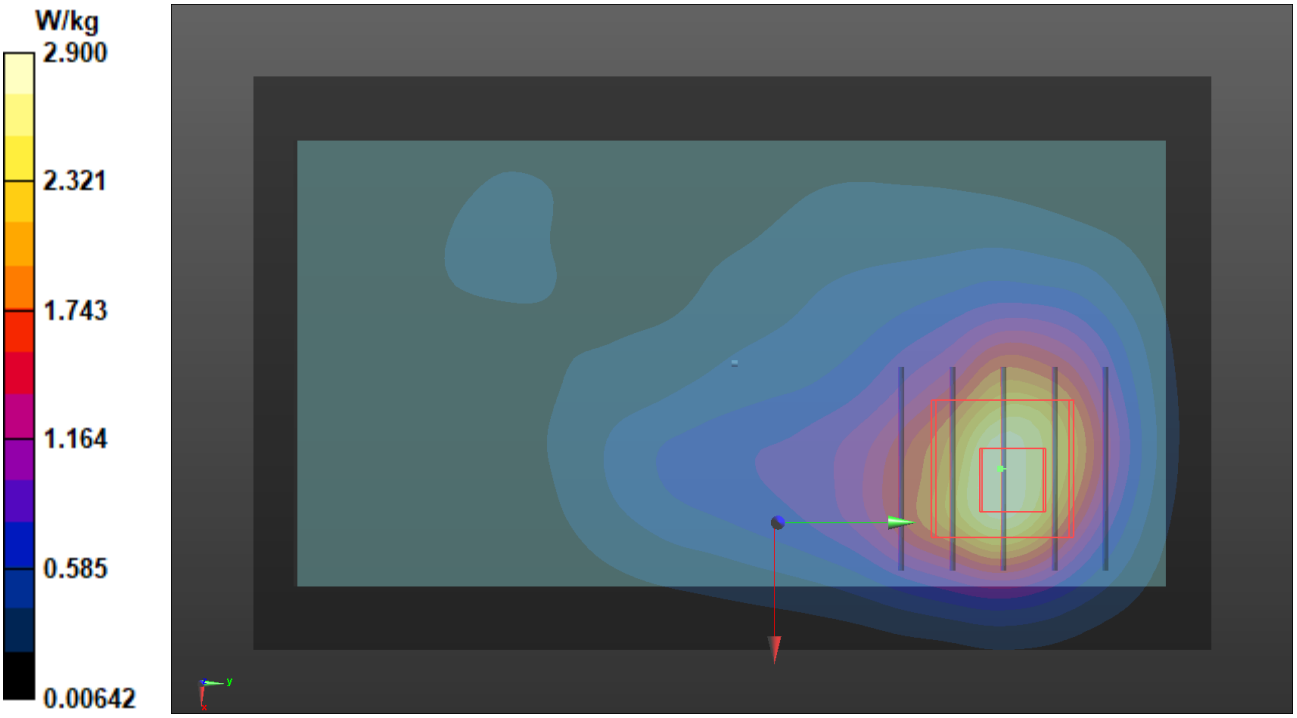
DUT: BFMG-WTW-P22010752

Communication System: UID 10028 - DAC, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3); Frequency: 1880 MHz;Duty Cycle: 1:2.27
Medium: H16T20N1_0308 Medium parameters used: f = 1880 MHz; σ = 1.446 S/m; ε_r = 38.304; ρ = 1000 kg/m^3
Ambient Temperature : 23.3 ℃ ; Liquid Temperature : 23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.27, 8.27, 8.27) @ 1880 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.90 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.44 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 1.81 W/kg; SAR(10 g) = 1.01 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 = 56.4%
Maximum value of SAR (measured) = 2.69 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

P03 WCDMA II_RMC12.2K_Rear Face_0mm_Ch9262

DUT: BFMG-WTW-P22010752

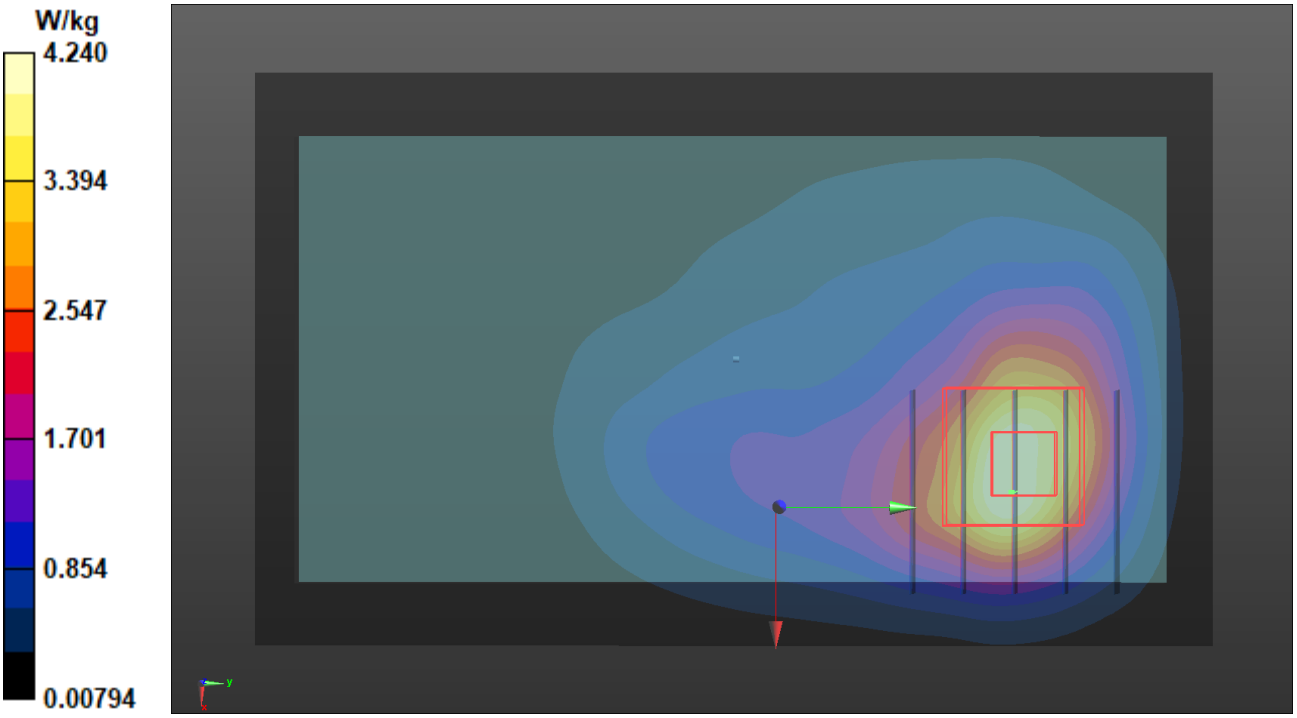
Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1852.4 MHz;Duty Cycle: 1:1.95
Medium: H16T20N1_0308 Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.424 S/m; ε_r = 38.349; ρ = 1000 kg/m^3

Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.27, 8.27, 8.27) @ 1852.4 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.24 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.29 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 5.25 W/kg
SAR(1 g) = 2.8 W/kg; SAR(10 g) = 1.54 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 = 55.5%
Maximum value of SAR (measured) = 4.09 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

P04 WCDMA IV_RMC12.2K_Rear Face_0mm_Ch1413

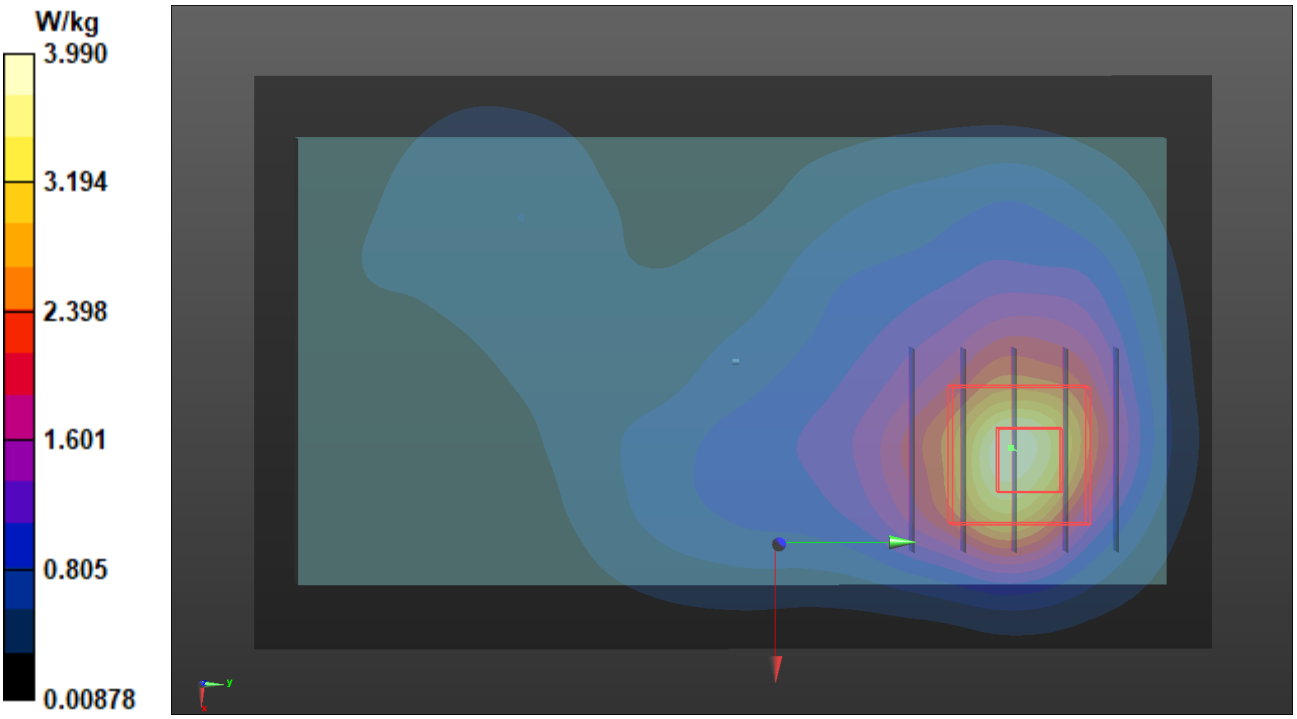
DUT: BFMG-WTW-P22010752

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95
Medium: H16T20N1_0308 Medium parameters used: f = 1733 MHz; σ = 1.318 S/m; ε_r = 38.81; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.55, 8.55, 8.55) @ 1732.6 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.99 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.47 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 4.86 W/kg
SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.39 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 = 52.2%
Maximum value of SAR (measured) = 3.87 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

P05 WCDMA V_RMC12.2K_Rear Face_0mm_Ch4182

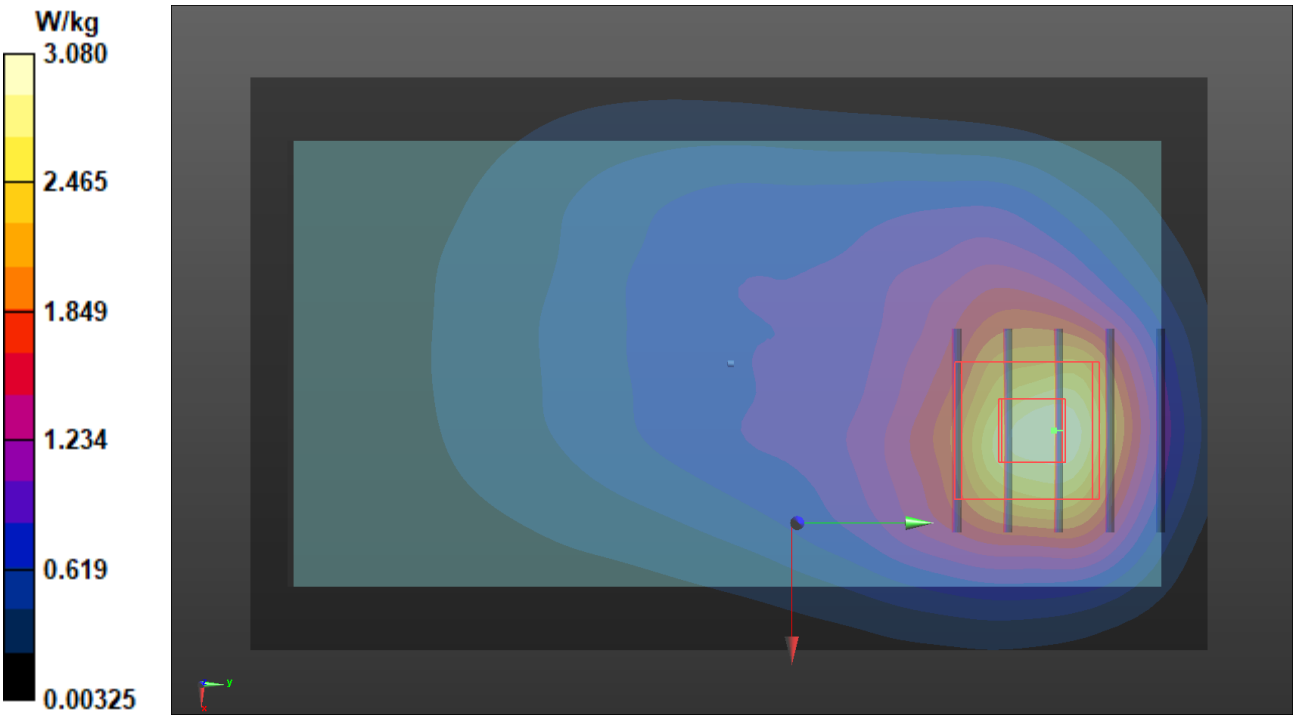
DUT: BFMG-WTW-P22010752

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.4 MHz;Duty Cycle: 1:1.95
Medium: H07T10N1_0309 Medium parameters used: f = 836 MHz; σ = 0.948 S/m; ε_r = 42.976; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(10.5, 10.5, 10.5) @ 836.4 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.08 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 57.18 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.52 W/kg
SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.18 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.7 mm
Ratio of SAR at M2 to SAR at M1 = 59.1%
Maximum value of SAR (measured) = 2.92 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

P06 LTE 2_QPSK20M_Rear Face_0mm_Ch19100_1RB_OS0

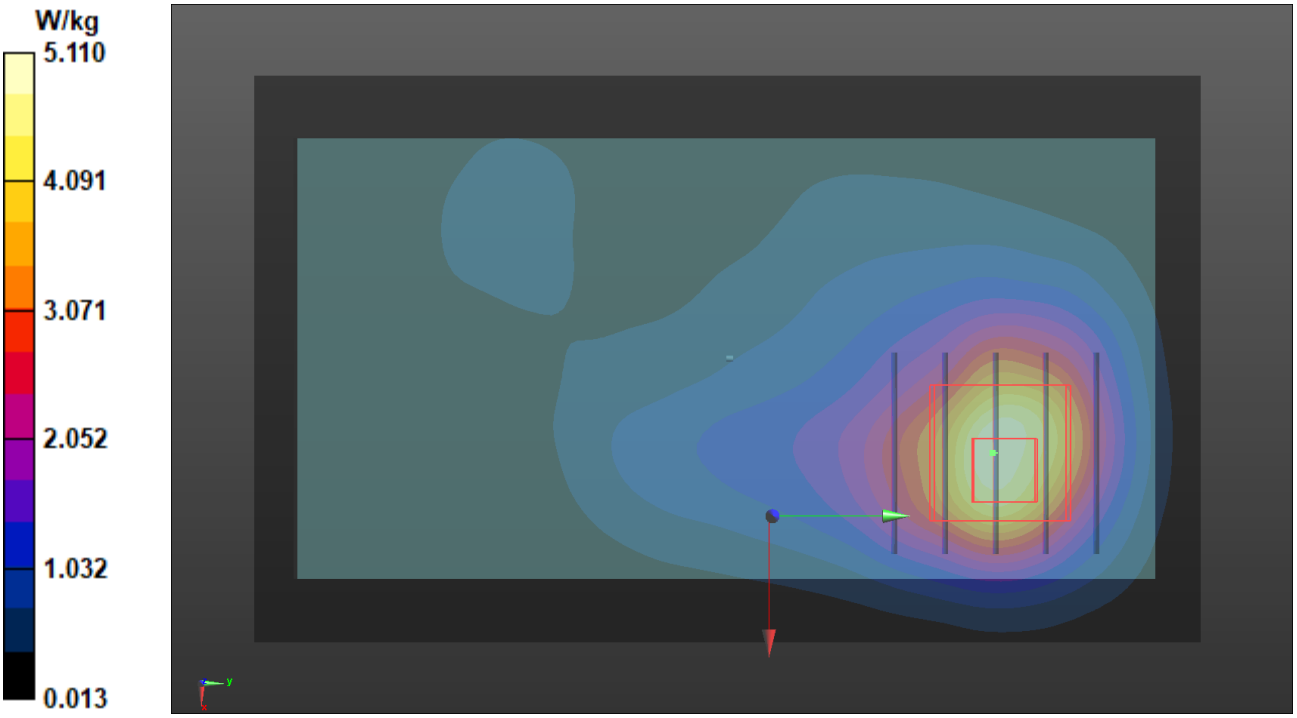
DUT: BFMG-WTW-P22010752

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1900 MHz;Duty Cycle: 1:3.74
Medium: H16T20N1_0308 Medium parameters used: f = 1900 MHz; σ = 1.46 S/m; ε_r = 38.262; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.27, 8.27, 8.27) @ 1900 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.11 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 60.41 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 6.04 W/kg
SAR(1 g) = 3.16 W/kg; SAR(10 g) = 1.75 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 = 56%
Maximum value of SAR (measured) = 4.68 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

P07 LTE 4_QPSK20M_Rear Face_0mm_Ch20300_1RB_OS0

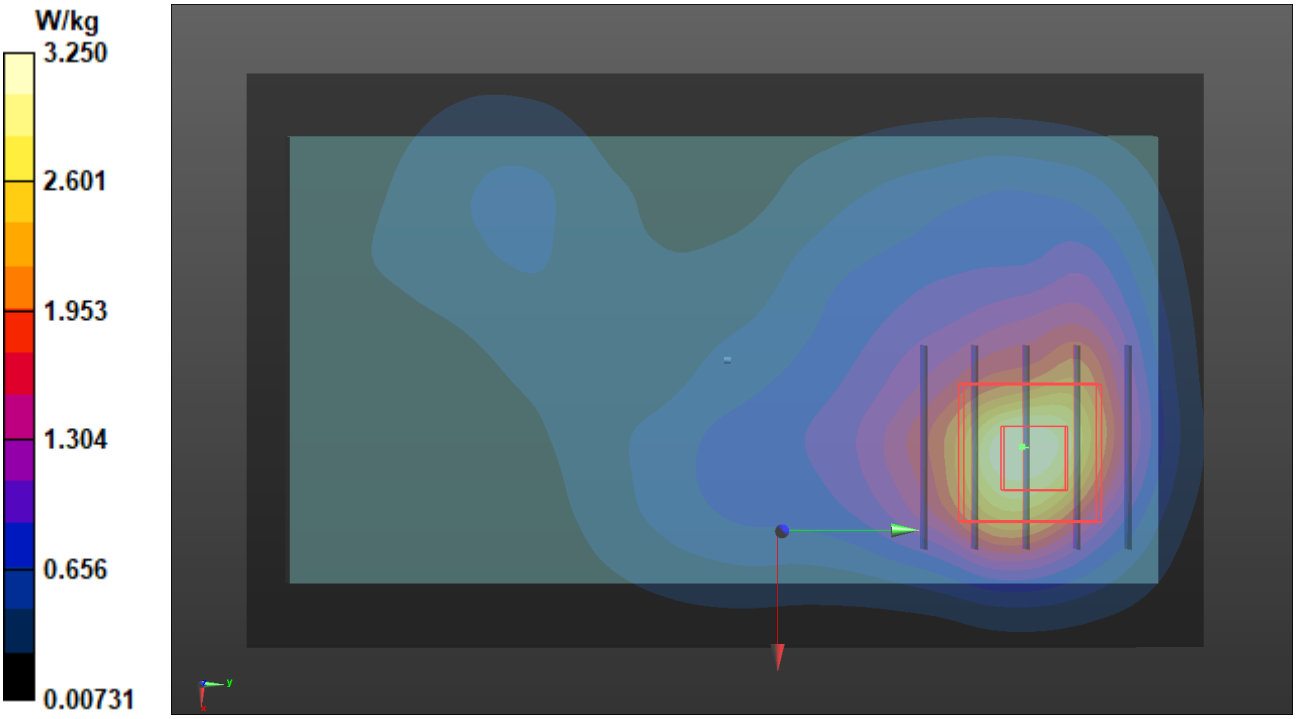
DUT: BFMG-WTW-P22010752

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1745 MHz;Duty Cycle: 1:3.74
Medium: H16T20N1_0308 Medium parameters used (interpolated): f = 1745 MHz; σ = 1.33 S/m; ε_r = 38.774; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.55, 8.55, 8.55) @ 1745 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.25 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 50.14 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 4.02 W/kg
SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 10.7 mm
Ratio of SAR at M2 to SAR at M1 = 52.4%
Maximum value of SAR (measured) = 3.20 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

P08 LTE 5_QPSK10M_Rear Face_0mm_Ch20600_1RB_OS0

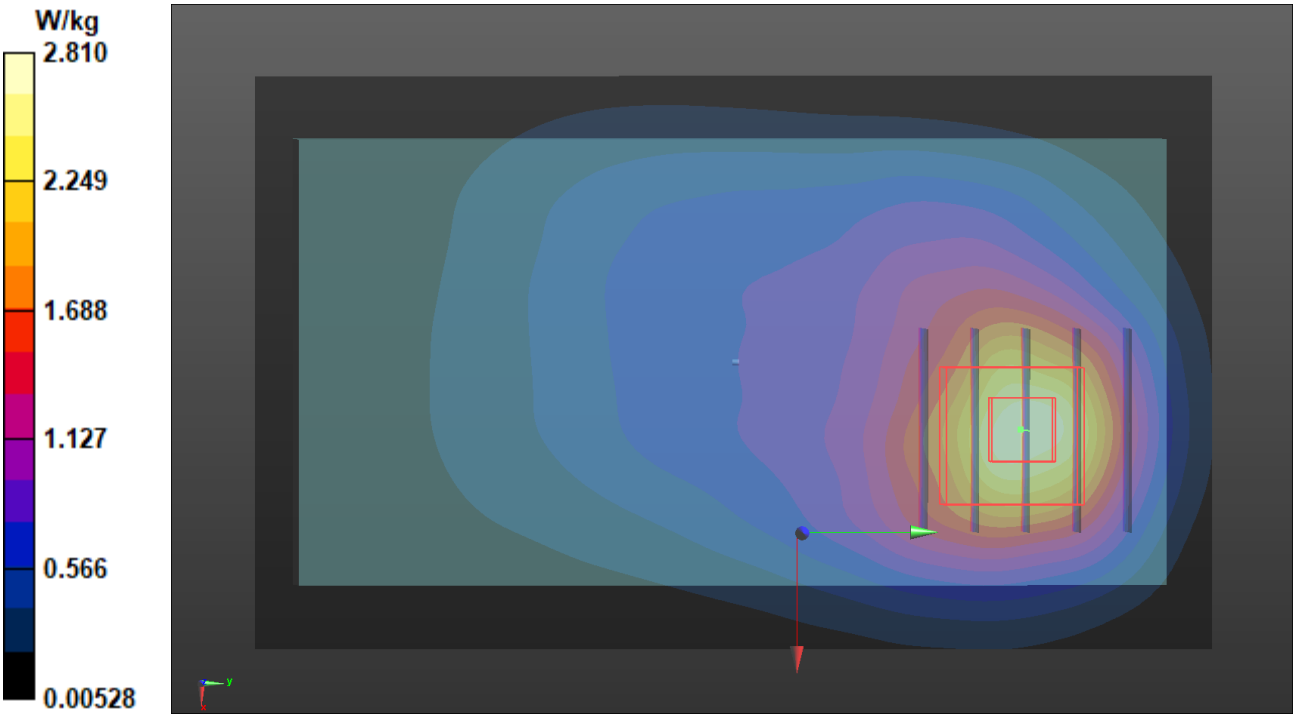
DUT: BFMG-WTW-P22010752

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 844 MHz;Duty Cycle: 1:3.74
Medium: H07T10N1_0309 Medium parameters used: f = 844 MHz; σ = 0.955 S/m; ε_r = 42.887; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(10.5, 10.5, 10.5) @ 844 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.81 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.82 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 1.98 W/kg; SAR(10 g) = 1.16 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.3 mm
Ratio of SAR at M2 to SAR at M1 = 59.3%
Maximum value of SAR (measured) = 2.98 W/kg



Plots of Measurement

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

P09 LTE 7_QPSK20M_Top Side_0mm_Ch21350_1RB_OS0

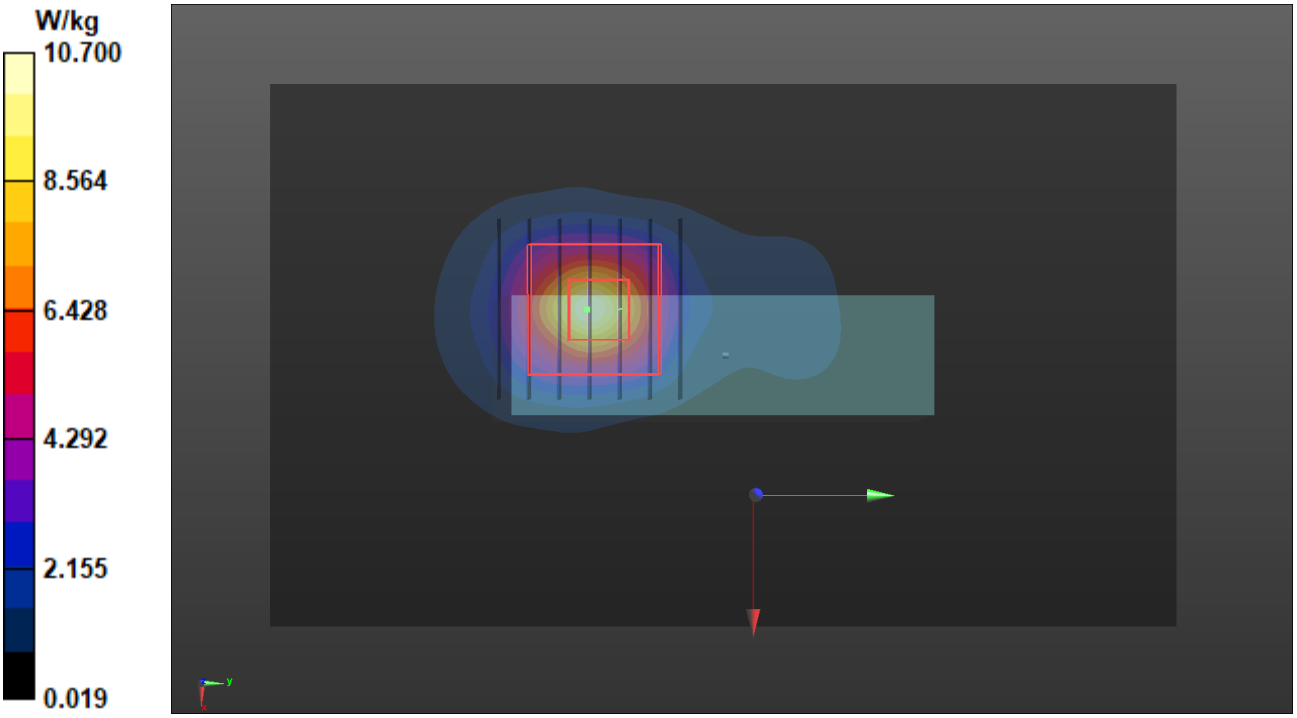
DUT: BFMG-WTW-P22010752

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2560 MHz;Duty Cycle: 1:3.74
Medium: H19T27N1_0310 Medium parameters used: f = 2560 MHz; σ = 1.94 S/m; ε_r = 38.068; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.41, 7.41, 7.41) @ 2560 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (81x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 10.7 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.51 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 16.9 W/kg
SAR(1 g) = 6.81 W/kg; SAR(10 g) = 2.82 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 40%
Maximum value of SAR (measured) = 12.5 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

P10 LTE 12_QPSK10M_Top Side_0mm_Ch23060_1RB_OS0

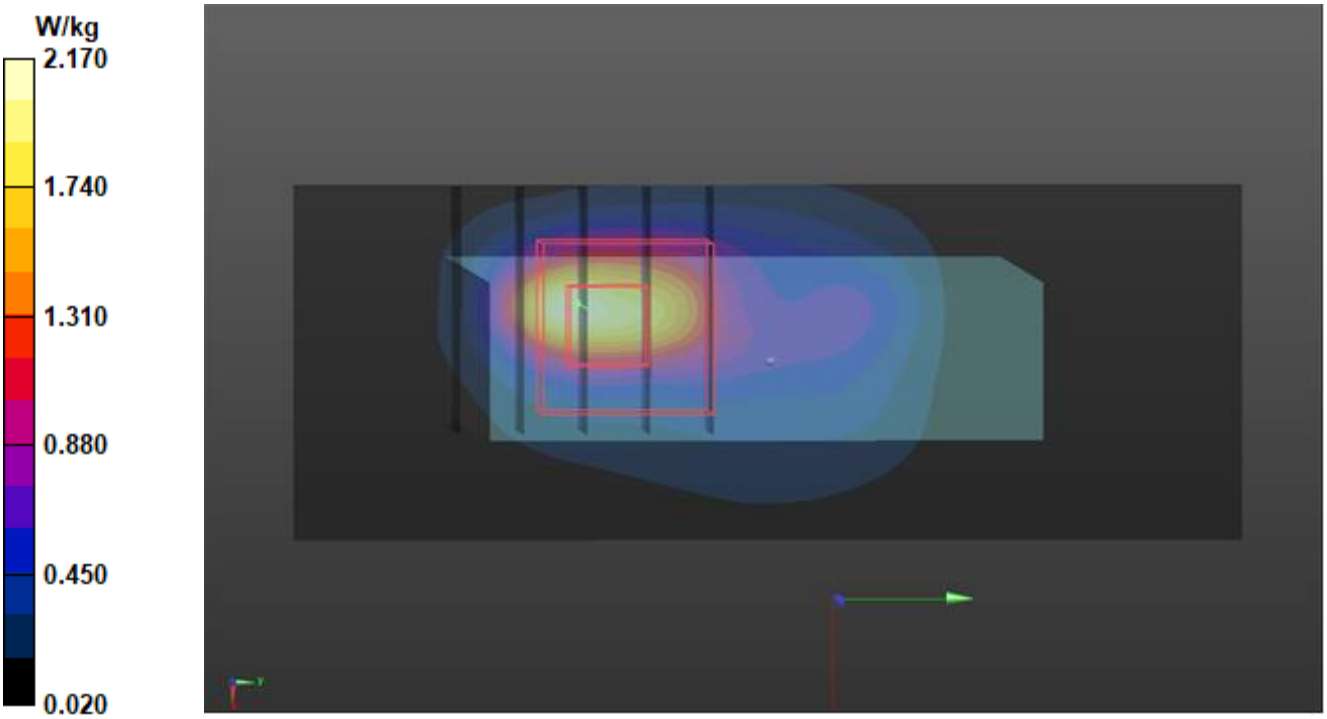
DUT: BFMG-WTW-P22010752

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 704 MHz;Duty Cycle: 1:3.74
Medium: H06T09N1_0309 Medium parameters used: f = 704 MHz; σ = 0.878 S/m; ε_r = 40.794; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(10.69, 10.69, 10.69) @ 704 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (31x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.17 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.41 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 3.37 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.416 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 33.5%
Maximum value of SAR (measured) = 1.91 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

P11 LTE 13_QPSK10M_Top Side_0mm_Ch23230_1RB_OS0

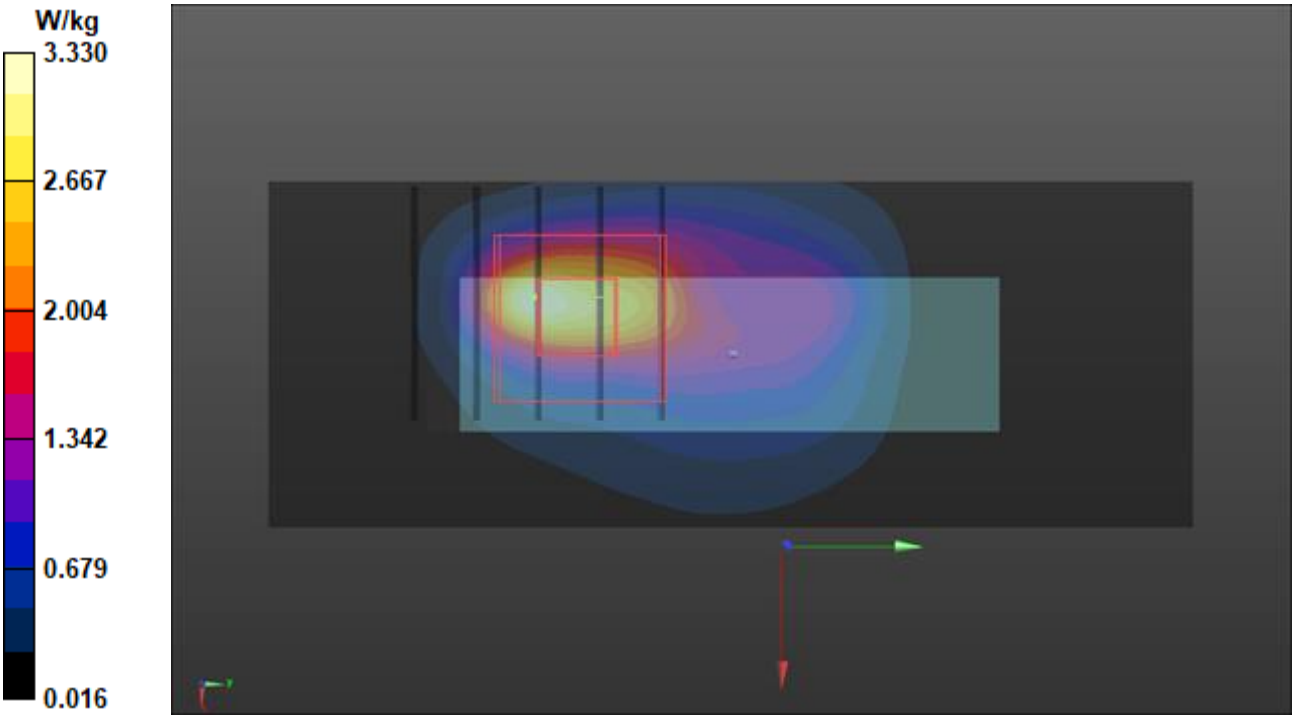
DUT: BFMG-WTW-P22010752

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz;Duty Cycle: 1:3.74
Medium: H06T09N1_0309 Medium parameters used: f = 782 MHz; σ = 0.902 S/m; ε_r = 40.507; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(10.69, 10.69, 10.69) @ 782 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (31x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.33 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 58.16 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 4.75 W/kg
SAR(1 g) = 1.52 W/kg; SAR(10 g) = 0.670 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 36.3%
Maximum value of SAR (measured) = 2.81 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/08

P12 LTE 25_QPSK20M_Rear Face_0mm_Ch26140_1RB_OS0

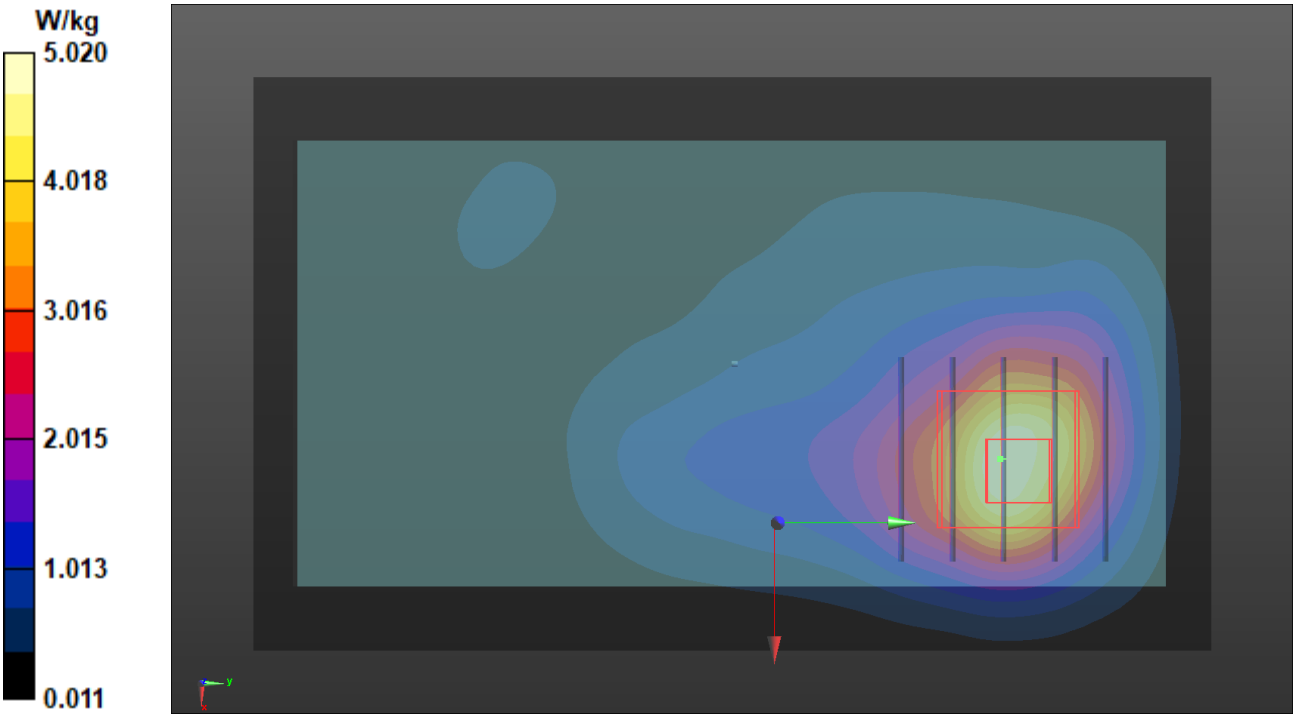
DUT: BFMG-WTW-P22010752

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1860 MHz;Duty Cycle: 1:3.74
Medium: H16T20N1_0308 Medium parameters used: f = 1860 MHz; σ = 1.431 S/m; ε_r = 38.33; ρ = 1000 kg/m^3
Ambient Temperature : 23.3 ℃ ; Liquid Temperature : 23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(8.27, 8.27, 8.27) @ 1860 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.02 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 60.73 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 6.17 W/kg
SAR(1 g) = 3.27 W/kg; SAR(10 g) = 1.8 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 12.2 mm
Ratio of SAR at M2 to SAR at M1 = 56.6%
Maximum value of SAR (measured) = 4.72 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/09

P13 LTE 26_QPSK15M_Rear Face_0mm_Ch26965_1RB_OS0

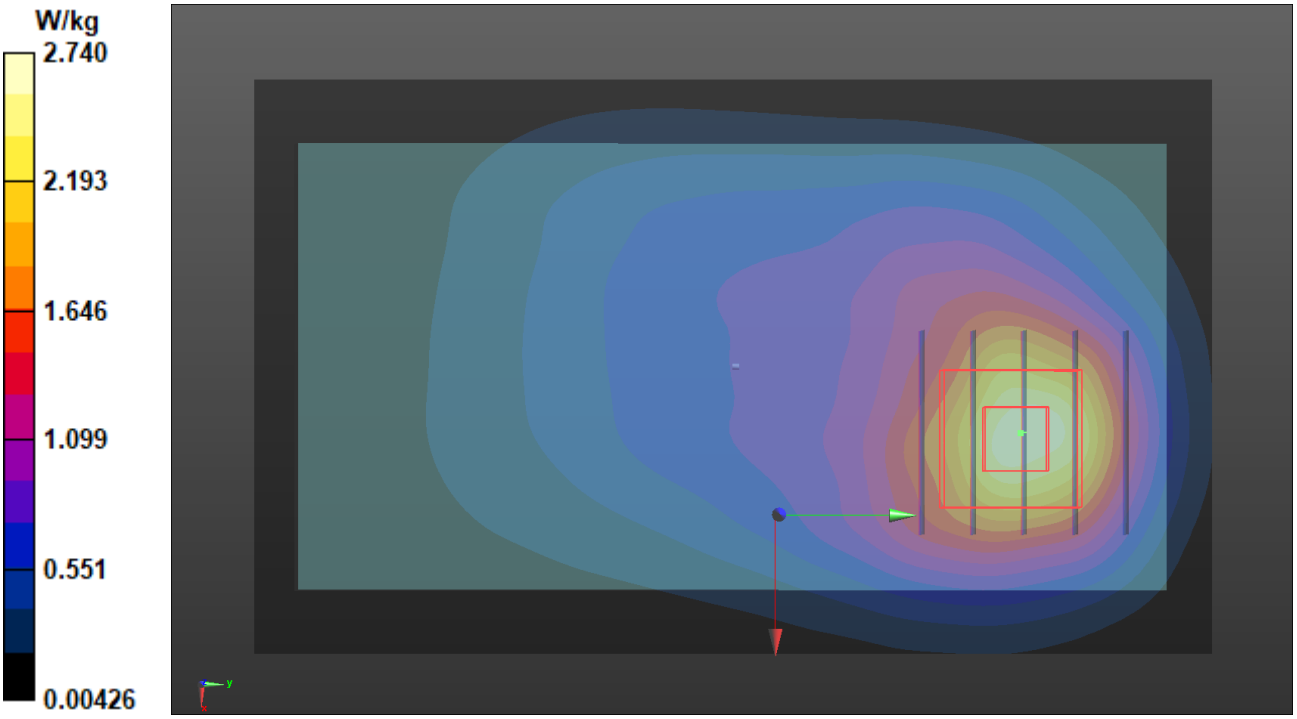
DUT: BFMG-WTW-P22010752

Communication System: UID 10181 - CAE, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK); Frequency: 841.5 MHz;Duty Cycle: 1:3.74
Medium: H07T10N1_0309 Medium parameters used (interpolated): f = 841.5 MHz; σ = 0.953 S/m; ε_r = 42.919; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(10.5, 10.5, 10.5) @ 841.5 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.74 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.57 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.20 W/kg
SAR(1 g) = 1.83 W/kg; SAR(10 g) = 1.09 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 16.3 mm
Ratio of SAR at M2 to SAR at M1 = 59.2%
Maximum value of SAR (measured) = 2.70 W/kg



Plots of Measurement

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

P14 LTE 38_QPSK20M_Top Side_0mm_Ch37850_1RB_OS0

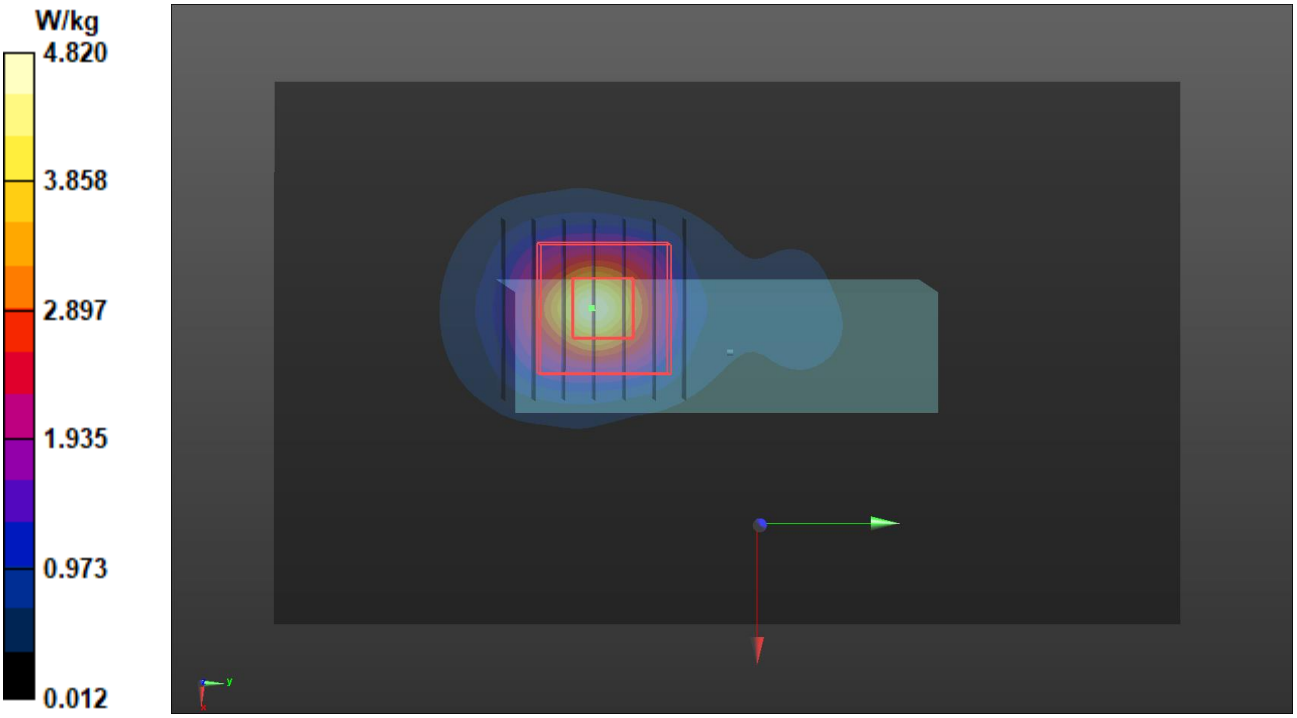
DUT: BFMG-WTW-P22010752

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2580 MHz;Duty Cycle: 1:8.33
Medium: H19T27N1_0310 Medium parameters used: f = 2580 MHz; σ = 1.964 S/m; ε_r = 38.044; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.41, 7.41, 7.41) @ 2580 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (81x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.82 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 34.75 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 6.96 W/kg
SAR(1 g) = 2.78 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 41%
Maximum value of SAR (measured) = 5.20 W/kg



Plots of Measurement

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

P15 LTE 41_QPSK20M_Top Side_0mm_Ch41490_1RB_OS0

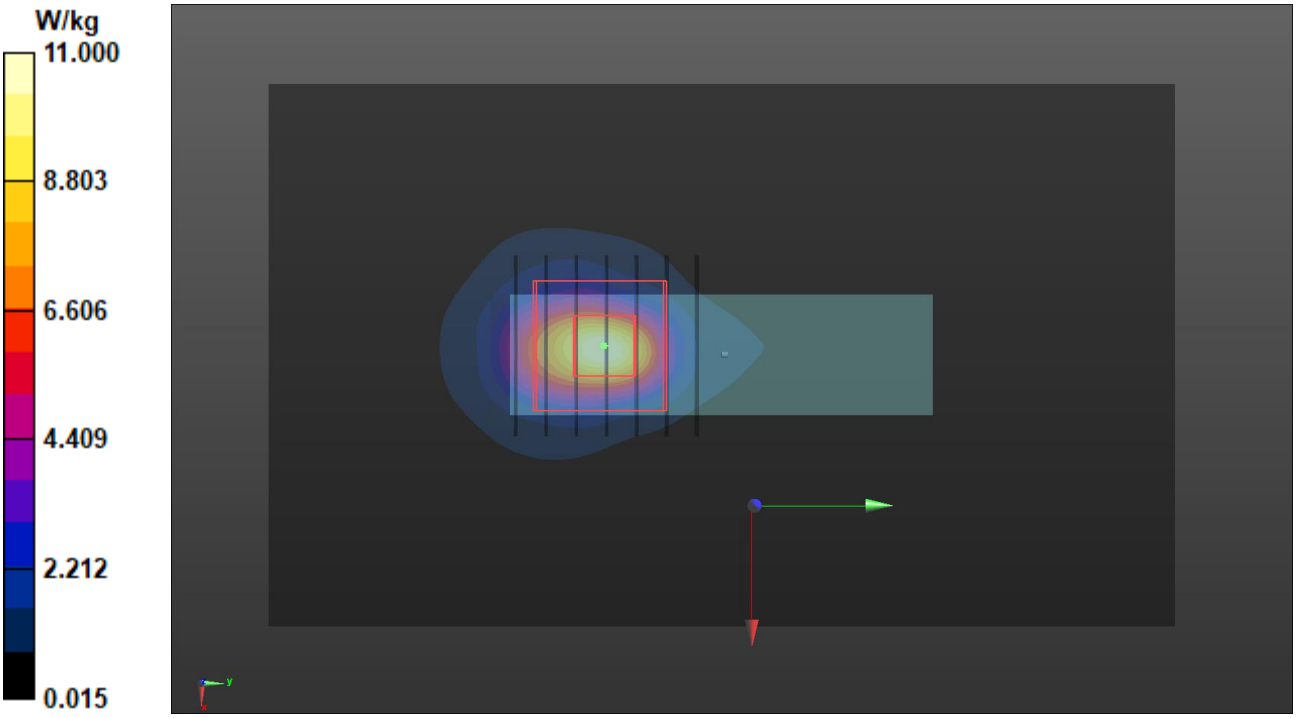
DUT: BFMG-WTW-P22010752

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2680 MHz;Duty Cycle: 1:8.33
Medium: H19T27N1_0310 Medium parameters used: f = 2680 MHz; σ = 2.059 S/m; ε_r = 37.724; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7537; ConvF(7.41, 7.41, 7.41) @ 2680 MHz; Calibrated: 2021/04/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1585; Calibrated: 2021/04/15
- 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 (81x131x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 11.0 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 70.49 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 12.1 W/kg
SAR(1 g) = 4.8 W/kg; SAR(10 g) = 1.94 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.6 mm
Ratio of SAR at M2 to SAR at M1 = 40.9%
Maximum value of SAR (measured) = 9.14 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/11

P16 WLAN2.4G_802.11b_Rear Face_0mm_Ch1

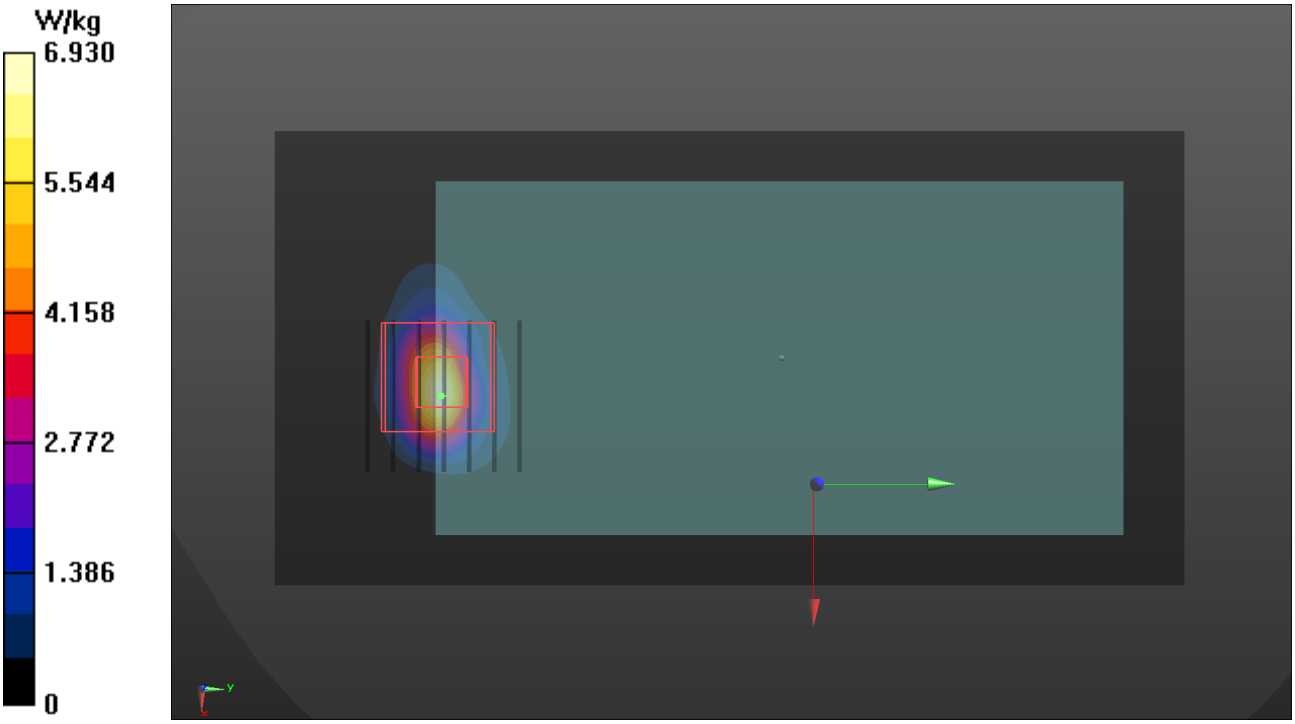
DUT: BFMG-WTW-P22010752

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2412 MHz;Duty Cycle: 1:1.01
Medium: H19T27N1_0311 Medium parameters used: f = 2412 MHz; σ = 1.763 S/m; ε_r = 37.841; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.77, 7.77, 7.77) @ 2412 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/4/14
- 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 (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 6.93 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.41 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 9.34 W/kg
SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.38 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 = 40.7%
Maximum value of SAR (measured) = 7.09 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/11

P17 WLAN5.3G_802.11a_Bottom Side_0mm_Ch52

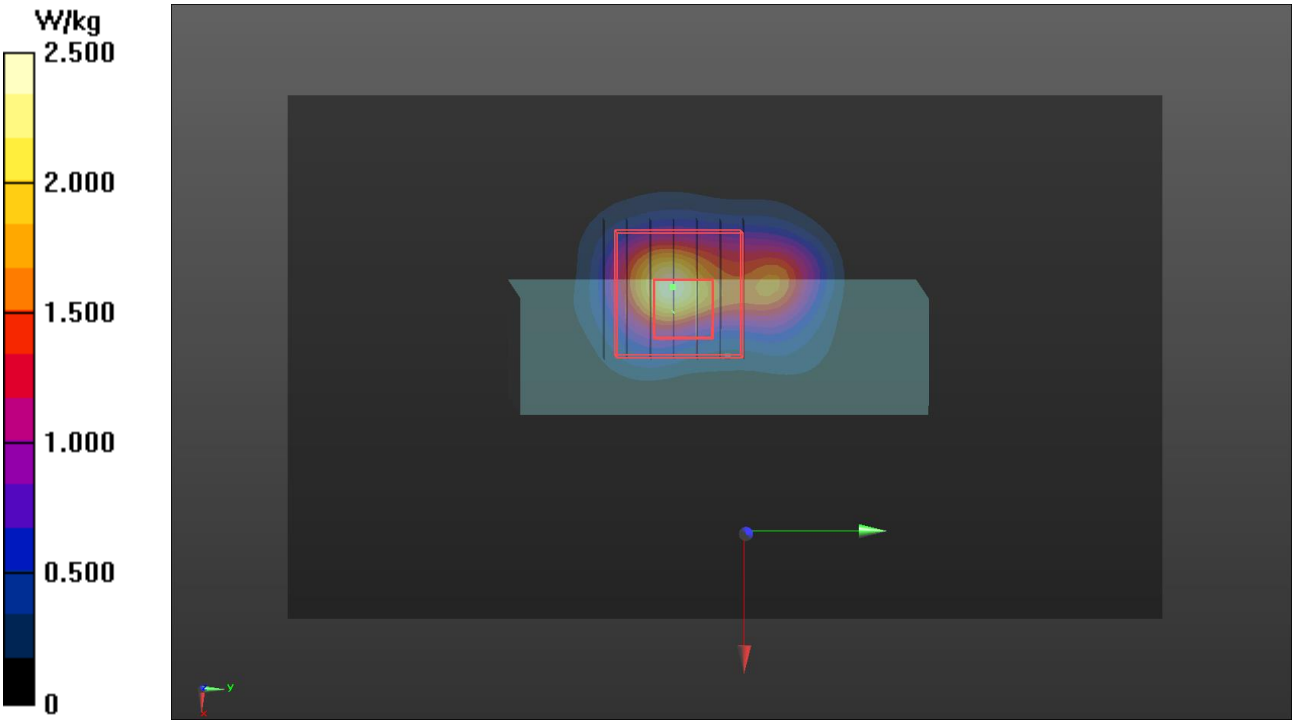
DUT: BFMG-WTW-P22010752

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5260 MHz;Duty Cycle: 1:1.12
Medium: H34T60N1_0311 Medium parameters used: f = 5260 MHz; σ = 4.671 S/m; ε_r = 37.298; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.29, 5.29, 5.29) @ 5260 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/4/14
- 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) = 2.50 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 20.97 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 14.5 W/kg
SAR(1 g) = 3.14 W/kg; SAR(10 g) = 0.702 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 4.7 mm
Ratio of SAR at M2 to SAR at M1 = 64.8%
Maximum value of SAR (measured) = 8.68 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/11

P18 WLAN5.6G_802.11n HT40_Bottom Side_0mm_Ch110

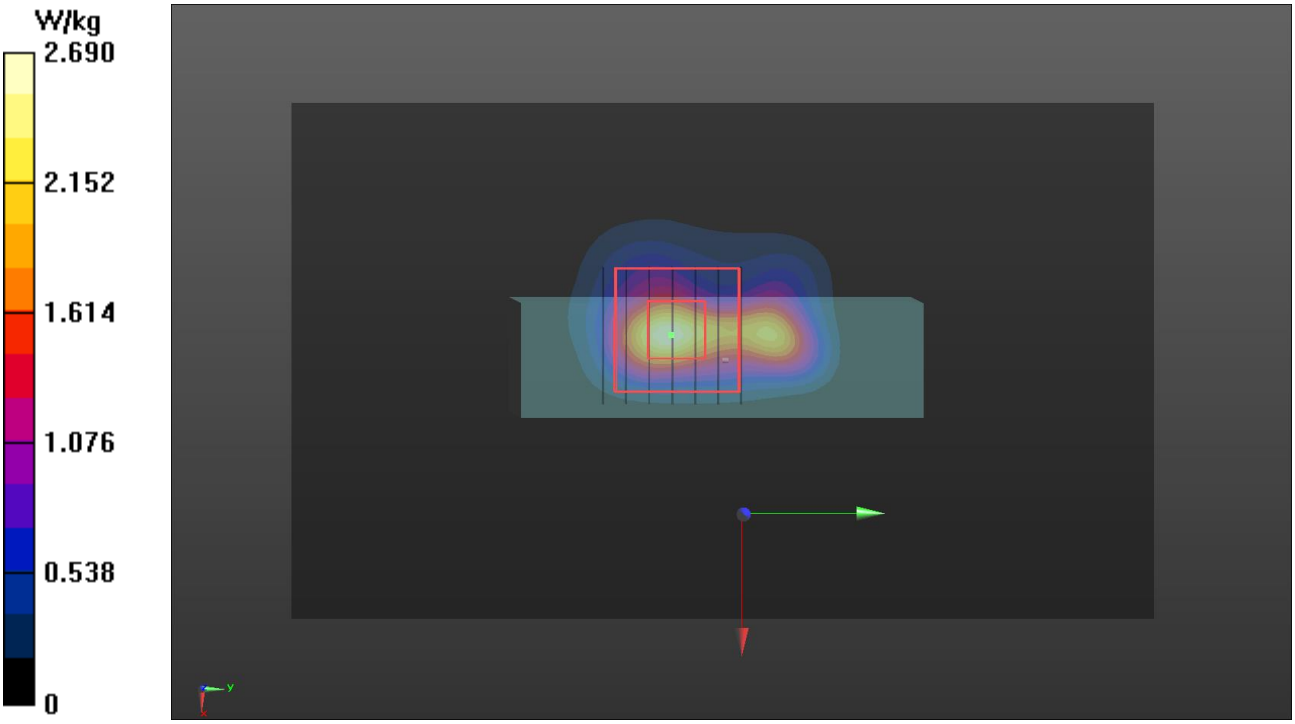
DUT: BFMG-WTW-P22010752

Communication System: UID 10599 - AAC, IEEE 802.11n (HT Mixed, 40MHz, MCS0); Frequency: 5550 MHz;Duty Cycle: 1:1.12
Medium: H34T60N1_0311 Medium parameters used: f = 5550 MHz; σ = 4.953 S/m; ε_r = 36.906; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.8, 4.8, 4.8) @ 5550 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/4/14
- 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) = 2.69 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 19.33 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 11.8 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 0.524 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 = 64.1%
Maximum value of SAR (measured) = 6.94 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/11

P19 WLAN5.8G_802.11a_Bottom Side_0mm_Ch149

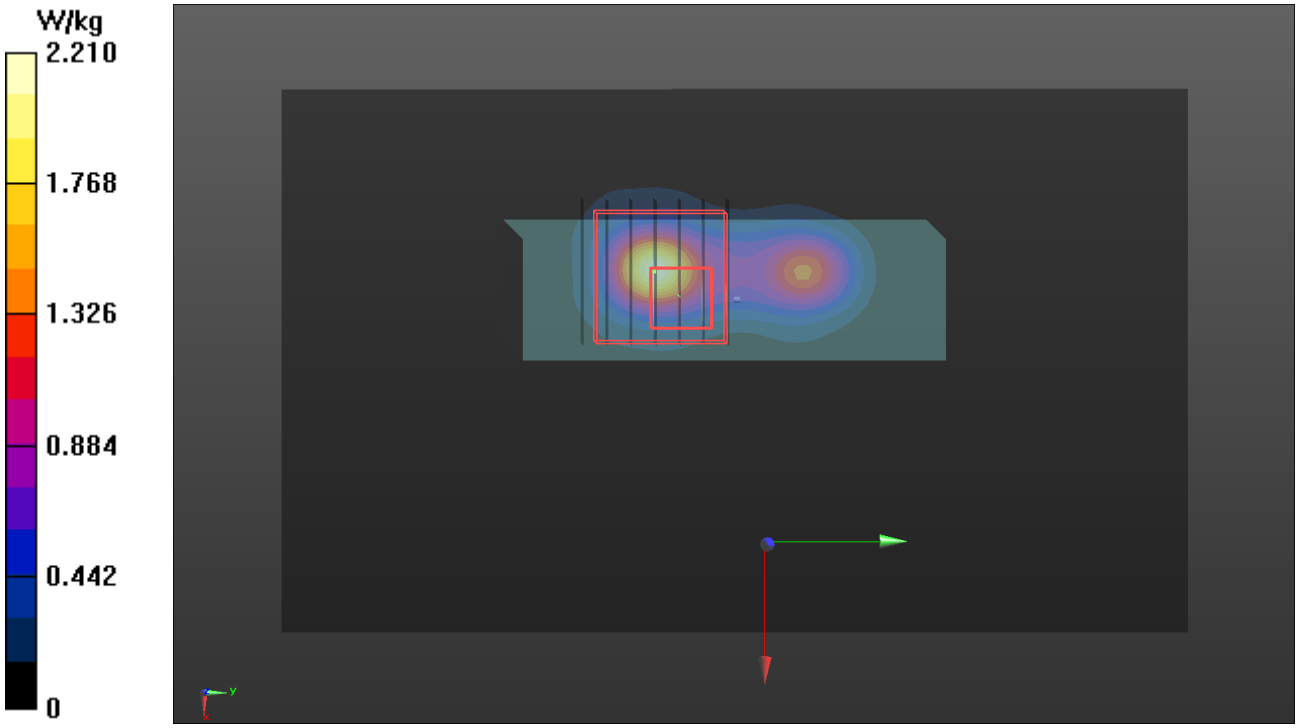
DUT: BFMG-WTW-P22010752

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5745 MHz;Duty Cycle: 1:1.12
Medium: H34T60N1_0311 Medium parameters used (interpolated): f = 5745 MHz; σ = 5.151 S/m; ε_r = 36.636; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.1, 5.1, 5.1) @ 5745 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/4/14
- 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) = 2.21 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 21.98 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 9.90 W/kg
SAR(1 g) = 1.95 W/kg; SAR(10 g) = 0.390 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 62.5%
Maximum value of SAR (measured) = 5.73 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/03/11

P20 BT_BDR_Rear Face_0mm_Ch0

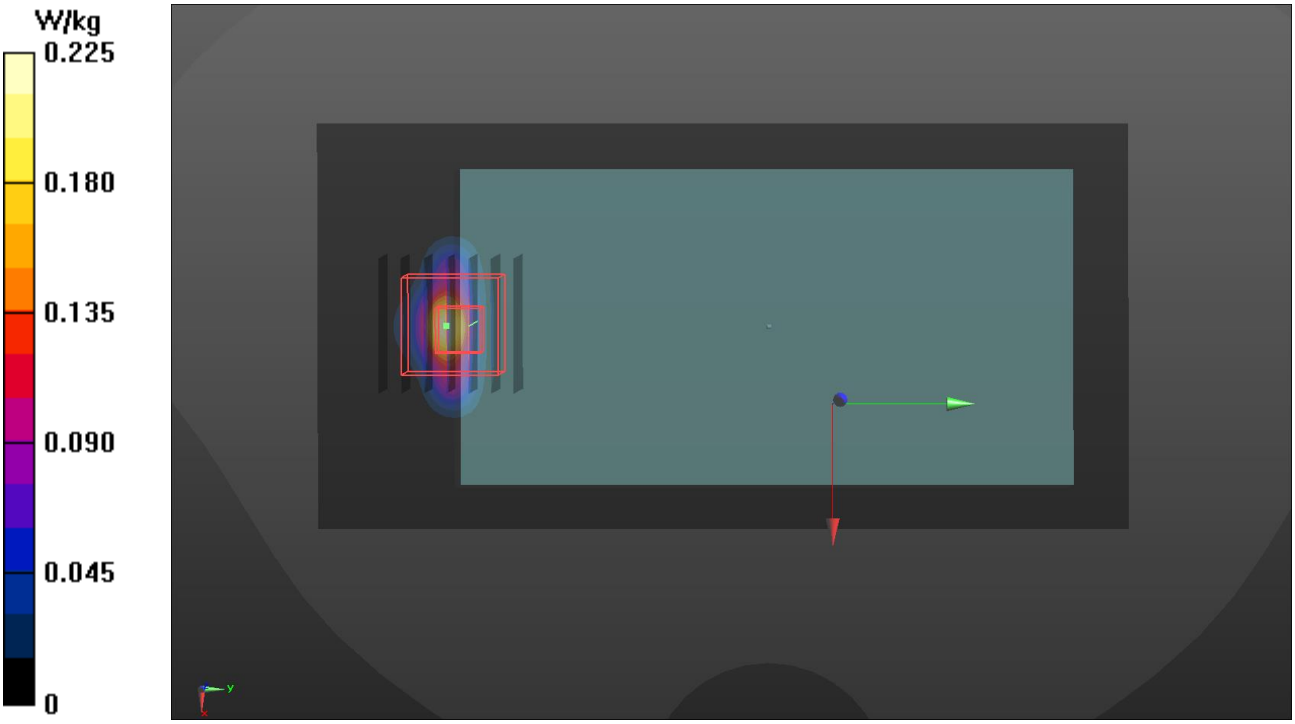
DUT: BFMG-WTW-P22010752

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2402 MHz;Duty Cycle: 1:1.63
Medium: H19T27N1_0311 Medium parameters used: f = 2402 MHz; σ = 1.756 S/m; ε_r = 37.87; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 ℃ ; Liquid Temperature : 23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.77, 7.77, 7.77) @ 2402 MHz; Calibrated: 2021/3/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/4/14
- 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 (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.225 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.25 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.292 W/kg
SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.040 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6.7 mm
Ratio of SAR at M2 to SAR at M1 = 41.7%
Maximum value of SAR (measured) = 0.193 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 ±10 % of the target values. Liquid temperature during the SAR testing has kept within ±2 ℃.

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. (℃)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 10g SAR (W/kg)	Measured 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N	Output Power (dB)
S01	835	23.1	0.919	41.768	0.9	41.5	2.11	0.65	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 09, 2022	835	6.19	0.32	6.38	3.15	4d121	3971	1277	17
S02	1900	23.1	1.46	38.262	1.4	40	4.29	-4.35	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 08, 2022	1900	21.10	1.04	20.75	-1.66	5d036	7537	1585	17
S03	1900	23.1	1.46	38.262	1.4	40	4.29	-4.35	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 08, 2022	1900	21.10	1.04	20.75	-1.66	5d036	7537	1585	17
S04	1750	23.1	1.335	38.757	1.37	40.1	-2.55	-3.35	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 08, 2022	1750	18.60	0.94	18.76	0.84	1055	7537	1585	17
S05	835	23.2	0.946	43.002	0.9	41.5	5.11	3.62	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 09, 2022	835	6.19	0.302	6.03	-2.65	4d121	7537	1585	17
S06	1900	23.1	1.46	38.262	1.4	40	4.29	-4.35	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 08, 2022	1900	21.10	1.04	20.75	-1.66	5d036	7537	1585	17
S07	1750	23.1	1.335	38.757	1.37	40.1	-2.55	-3.35	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 08, 2022	1750	18.60	0.94	18.76	0.84	1055	7537	1585	17
S08	835	23.2	0.946	43.002	0.9	41.5	5.11	3.62	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 09, 2022	835	6.19	0.302	6.03	-2.65	4d121	7537	1585	17
S09	2600	23.1	1.984	38.033	1.96	39	1.22	-2.48	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 10, 2022	2600	25.70	1.28	25.54	-0.63	1020	7537	1585	17
S10	750	23.2	0.893	40.625	0.9	42	-0.78	-3.27	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 09, 2022	750	5.62	0.255	5.09	-9.47	1013	7537	1585	17
S11	750	23.2	0.893	40.625	0.9	42	-0.78	-3.27	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 09, 2022	750	5.62	0.255	5.09	-9.47	1013	7537	1585	17
S12	1900	23.1	1.46	38.262	1.4	40	4.29	-4.35	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 08, 2022	1900	21.10	1.04	20.75	-1.66	5d036	7537	1585	17
S13	835	23.2	0.946	43.002	0.9	41.5	5.11	3.62	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 09, 2022	835	6.19	0.302	6.03	-2.65	4d121	7537	1585	17
S14	2600	23.1	1.984	38.033	1.96	39	1.22	-2.48	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 10, 2022	2600	25.70	1.28	25.54	-0.63	1020	7537	1585	17
S15	2600	23.1	1.984	38.033	1.96	39	1.22	-2.48	Pass	Pass	Pass	N/A	N/A	N/A	Mar. 10, 2022	2600	25.70	1.28	25.54	-0.63	1020	7537	1585	17
S16	2450	23.3	1.79	37.777	1.8	39.2	-0.56	-3.63	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 11, 2022	2450	23.90	1.18	23.54	-1.49	737	3650	861	17
S17	5250	23.3	4.66	37.316	4.71	35.9	-1.06	3.94	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 11, 2022	5250	23.00	1.08	21.55	-6.31	1019	3650	861	17
S18	5600	23.3	5.006	36.834	5.07	35.5	-1.26	3.76	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 11, 2022	5600	23.30	1.15	22.95	-1.52	1019	3650	861	17
S19	5750	23.3	5.157	36.632	5.22	35.4	-1.21	3.48	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 11, 2022	5750	22.40	1.16	23.15	3.33	1019	3650	861	17
S20	2450	23.3	1.79	37.777	1.8	39.2	-0.56	-3.63	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 11, 2022	2450	23.90	1.18	23.54	-1.49	737	3650	861	17

Annex D. Maximum Target Conducted Power

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

GSM Max. Tune-up Power (Full)				
Mode	GSM850	GSM850	GSM1900	GSM1900
	Maximum Burst-Averaged Output Power	Maximum Frame-Averaged Output Power	Maximum Burst-Averaged Output Power	Maximum Frame-Averaged Output Power
	Maximum Target Power	Maximum Target Power	Maximum Target Power	Maximum Target Power
GPRS (GMSK, 1Tx-slot)	33.5	24.5	28.5	19.5
GPRS (GMSK, 2Tx-slot)	31.5	25.5	27.0	21.0
GPRS (GMSK, 3Tx-slot)	29.5	25.2	26.0	21.7
GPRS (GMSK, 4Tx-slot)	28.0	25.0	26.0	23.0
EDGE (8PSK, 1Tx-slot)	27.0	18.0	27.0	18.0
EDGE (8PSK, 2Tx-slot)	25.5	19.5	26.5	20.5
EDGE (8PSK, 3Tx-slot)	24.0	19.7	25.0	20.7
EDGE (8PSK, 4Tx-slot)	23.0	20.0	23.5	20.5

WCDMA Max. Tune-up Power (Full)		
Mode	RMC 12.2K	HSDPA DC-HSDPA HSUPA
	Maximum Target Power	Maximum Target Power
WCDMA Band II	23.5	22.5
WCDMA Band IV	23.5	22.5
WCDMA Band V	23.5	22.5

LTE Max. Tune-up Power (Full)		
Mode	QPSK	16QAM
	Maximum Target Power	Maximum Target Power
LTE 2	23.0	22.0
LTE 4	24.0	23.0
LTE 5	24.0	23.0
LTE 7	24.0	23.0
LTE 12	24.0	23.0
LTE 13	24.0	23.0
LTE 25	23.5	22.5
LTE 26	23.5	22.5
LTE 38	24.5	23.5
LTE 41	24.0	23.0

WLAN Tune-up Power (Full)			
WLAN 2.4GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11b	1	2412	16.00
	6	2437	17.00
	11	2462	16.50
802.11g	1	2412	13.00
	6	2437	14.00
	11	2462	13.50
802.11n HT20	1	2412	13.00
	6	2437	14.00
	11	2462	13.00

WLAN Tune-up Power (Full)			
Bluetooth			
Mode	Channel	Frequency	Ant 0 Max Tune-up
BR / EDR	0	2402	8.50
	39	2441	8.50
	78	2480	8.00
LE	0	2402	5.00
	19	2440	5.00
	39	2480	2.50

WLAN Tune-up Power (Full)			
WLAN 5.2GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	36	5180	13.00
	40	5200	13.00
	44	5220	13.00
	48	5240	12.50
802.11n HT20	36	5180	12.50
	40	5200	12.50
	44	5220	12.50
	48	5240	12.50
802.11n HT40	38	5190	12.50
	46	5230	12.50
802.11ac VHT20	36	5180	13.00
	40	5200	13.00
	44	5220	13.00
	48	5240	12.50
802.11ac VHT40	38	5190	12.50
	46	5230	12.50
802.11ac VHT80	42	5210	10.00

WLAN Tune-up Power (Full)			
WLAN 5.3GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	52	5260	13.00
	56	5280	13.00
	60	5300	13.50
	64	5320	13.50
802.11n HT20	52	5260	12.50
	56	5280	12.50
	60	5300	13.50
	64	5320	13.00
802.11n HT40	54	5270	12.50
	62	5310	12.50
802.11ac VHT20	52	5260	12.50
	56	5280	12.50
	60	5300	12.50
	64	5320	12.50
802.11ac VHT40	54	5270	12.50
	62	5310	12.50
802.11ac VHT80	58	5290	9.50

WLAN Tune-up Power (Full)			
WLAN 5.6GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	100	5500	12.50
	116	5580	13.00
	120	5600	13.00
	124	5620	12.50
	132	5660	12.50
	140	5700	13.00
802.11n HT20	100	5500	12.50
	116	5580	12.50
	120	5600	12.50
	124	5620	12.50
	132	5660	12.50
	140	5700	12.50
802.11n HT40	102	5510	12.50
	110	5550	13.00
	118	5590	12.50
	126	5630	12.50
	134	5670	12.50
802.11ac VHT20	100	5500	12.50
	116	5580	12.50
	120	5600	12.50
	124	5620	12.50
	132	5660	12.50
	140	5700	13.00
802.11ac VHT40	102	5510	12.50
	110	5550	13.00
	118	5590	13.00
	126	5630	13.00
	134	5670	13.00
802.11ac VHT80	106	5530	9.50
	122	5610	12.50

WLAN Tune-up Power (Full)			
WLAN 5.8GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	149	5745	13.50
	153	5765	13.50
	157	5785	13.50
	161	5805	13.50
	165	5825	13.50
802.11n HT20	149	5745	13.00
	153	5765	13.00
	157	5785	13.00
	161	5805	13.00
	165	5825	13.00
802.11n HT40	151	5755	12.50
	159	5795	12.50
802.11ac VHT20	149	5745	13.00
	153	5765	13.00
	157	5785	13.00
	161	5805	13.00
	165	5825	13.00
802.11ac VHT40	151	5755	12.50
	159	5795	12.50
802.11ac VHT80	155	5775	13.00

Annex E. Measured Conducted Power Result

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

GSM Conducted Power (Full)						
Band	GSM850			GSM1900		
Channel	128	189	251	512	661	810
Frequency	824.2	836.4	848.8	1850.2	1880	1909.8
GPRS 1Tx Slot	33.20	33.33	33.44	27.16	27.42	27.06
GPRS 2Tx Slot	30.93	31.06	31.17	25.84	26.31	25.95
GPRS 3Tx Slot	29.25	29.38	29.49	25.51	25.98	25.62
GPRS 4Tx Slot	27.74	27.87	27.98	25.24	25.71	25.35
EDGE 1Tx Slot (MCS9)	26.65	26.78	26.89	26.21	26.68	26.32
EDGE 2Tx Slot (MCS9)	25.25	25.38	25.49	25.64	26.11	25.75
EDGE 3Tx Slot (MCS9)	23.74	23.87	23.98	24.25	24.72	24.36
EDGE 4Tx Slot (MCS9)	22.70	22.83	22.94	22.91	23.38	23.02

	Source-Based Time-Averaged Power			Source-Based Time-Averaged Power		
Band	GSM850			GSM1900		
Channel	128	189	251	512	661	810
GPRS 1Tx Slot	24.20	24.33	24.44	18.16	18.42	18.06
GPRS 2Tx Slot	24.93	25.06	25.17	19.84	20.31	19.95
GPRS 3Tx Slot	24.99	25.12	25.23	21.25	21.72	21.36
GPRS 4Tx Slot	24.74	24.87	24.98	22.24	22.71	22.35
EDGE 1Tx Slot (MCS9)	17.65	17.78	17.89	17.21	17.68	17.32
EDGE 2Tx Slot (MCS9)	19.25	19.38	19.49	19.64	20.11	19.75
EDGE 3Tx Slot (MCS9)	19.48	19.61	19.72	19.99	20.46	20.10
EDGE 4Tx Slot (MCS9)	19.70	19.83	19.94	19.91	20.38	20.02

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	23.49	23.48	23.44	23.46	23.49	23.48	23.17	23.20	23.16
HSDPA Subtest-1	22.48	22.45	22.43	22.26	22.42	22.45	22.47	22.49	22.46
HSDPA Subtest-2	22.46	22.41	22.45	22.35	22.50	22.47	22.43	22.47	22.44
HSDPA Subtest-3	21.99	21.96	21.91	21.84	22.00	21.99	21.94	21.97	21.93
HSDPA Subtest-4	21.96	21.93	21.90	21.83	22.00	21.98	21.96	21.96	21.91
DC-HSDPA Subtest-1	22.40	22.38	22.35	22.18	22.35	22.37	22.39	22.42	22.38
DC-HSDPA Subtest-2	22.38	22.34	22.37	22.27	22.43	22.39	22.35	22.40	22.36
DC-HSDPA Subtest-3	21.91	21.89	21.83	21.76	21.93	21.91	21.86	21.90	21.85
DC-HSDPA Subtest-4	21.88	21.86	21.82	21.75	21.93	21.90	21.88	21.89	21.83
HSUPA Subtest-1	22.47	22.44	22.40	22.07	22.03	22.00	22.34	22.36	22.33
HSUPA Subtest-2	20.48	20.44	20.41	20.48	20.49	20.41	20.43	20.48	20.44
HSUPA Subtest-3	21.48	21.47	21.43	21.24	21.37	21.21	21.42	21.49	21.43
HSUPA Subtest-4	20.46	20.45	20.41	20.43	20.47	20.43	20.47	20.49	20.44
HSUPA Subtest-5	22.44	22.45	22.41	22.30	22.40	22.40	22.44	22.48	22.41

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	22.83	22.23	22.61	0
		1	50	22.82	22.22	22.60	0
		1	99	22.53	22.04	22.31	0
		50	0	21.96	21.36	21.74	1
		50	25	21.93	21.33	21.71	1
		50	50	21.92	21.32	21.70	1
		100	0	21.90	21.30	21.68	1
20M	16QAM	1	0	21.95	21.35	21.73	1
		1	50	21.91	21.31	21.69	1
		1	99	21.88	21.28	21.66	1
		50	0				2
		50	25				2
		50	50				2
		100	0				2
BW	MCS Index	Channel		18675	18900	19125	3GPP MPR
		Frequence (MHz)		1857.5	1880	1902.5	
15M	QPSK	1	0	22.74	22.15	22.59	0
		1	37	22.75	22.19	22.50	0
		1	74	22.50	22.06	22.23	0
		36	0	21.87	21.28	21.67	1
		36	19	21.88	21.24	21.67	1
		36	39	21.86	21.24	21.60	1
		75	0	21.86	21.24	21.59	1
15M	16QAM	1	0	21.93	21.27	21.69	1
		1	37	21.84	21.27	21.68	1
		1	74	21.78	21.27	21.58	1
		36	0				2
		36	19				2
		36	39				2
		75	0				2

LTE Conducted Power (Full)							
LTE Band 2							
BW	MCS Index	Channel		18650	18900	19150	3GPP MPR
		Frequence (MHz)		1855	1880	1905	
10M	QPSK	1	0	22.69	22.08	22.39	0
		1	24	22.75	22.11	22.51	0
		1	49	22.40	22.01	22.25	0
		25	0	21.87	21.33	21.70	1
		25	12	21.91	21.28	21.58	1
		25	25	21.78	21.22	21.55	1
		50	0	21.82	21.27	21.50	1
10M	16QAM	1	0	21.90	21.20	21.62	1
		1	24	21.84	21.14	21.56	1
		1	49	21.96	21.26	21.68	1
		25	0	20.93	20.33	20.75	2
		25	12	20.85	20.31	20.73	2
		25	25	20.98	20.28	20.70	2
		50	0				2
BW	MCS Index	Channel		18625	18900	19175	3GPP MPR
		Frequence (MHz)		1852.5	1880	1907.5	
5M	QPSK	1	0	22.60	22.01	22.37	0
		1	12	22.67	22.10	22.42	0
		1	24	22.38	22.00	22.07	0
		12	0	21.77	21.25	21.57	1
		12	6	21.91	21.30	21.53	1
		12	13	21.78	21.08	21.43	1
		25	0	21.73	21.14	21.46	1
5M	16QAM	1	0	21.87	21.28	21.55	1
		1	12	21.81	21.19	21.54	1
		1	24	21.86	21.27	21.60	1
		12	0	20.83	20.29	20.56	2
		12	6	20.83	20.17	20.51	2
		12	13	20.89	20.29	20.66	2
		25	0	20.85	20.18	20.48	2

LTE Conducted Power (Full)							
LTE Band 2							
BW	MCS Index	Channel		18615	18900	19185	3GPP MPR
		Frequence (MHz)		1851.5	1880	1908.5	
3M	QPSK	1	0	22.46	22.08	22.35	0
		1	7	22.63	22.03	22.30	0
		1	14	22.28	22.02	22.05	0
		8	0	21.82	21.13	21.45	1
		8	3	21.88	21.11	21.49	1
		8	7	21.74	21.14	21.27	1
		15	0	21.73	21.05	21.38	1
3M	16QAM	1	0	21.77	21.16	21.40	1
		1	7	21.70	21.13	21.38	1
		1	14	21.85	21.20	21.54	1
		8	0	20.89	20.09	20.59	2
		8	3	20.72	20.14	20.39	2
		8	7	20.84	20.24	20.55	2
		15	0	20.79	20.16	20.41	2
BW	MCS Index	Channel		18607	18900	19193	3GPP MPR
		Frequence (MHz)		1850.7	1880	1909.3	
1.4M	QPSK	1	0	22.59	22.05	22.24	0
		1	2	22.58	22.03	22.36	0
		1	5	22.22	22.04	22.01	0
		3	0	21.89	21.56	21.74	0
		3	1	21.87	21.52	21.66	0
		3	3	21.78	21.51	21.53	0
		6	0	21.74	21.19	21.35	1
1.4M	16QAM	1	0	21.75	21.15	21.48	1
		1	2	21.70	21.11	21.48	1
		1	5	21.93	21.29	21.54	1
		3	0	20.84	20.57	20.67	1
		3	1	20.69	20.51	20.62	1
		3	3	20.91	20.53	20.66	1
		6	0	20.79	20.15	20.54	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	23.36	23.46	23.62	0
		1	50	23.33	23.41	23.60	0
		1	99	23.32	23.36	23.41	0
		50	0	22.24	22.31	22.72	1
		50	25	22.24	22.33	22.69	1
		50	50	22.19	22.24	22.59	1
		100	0	22.18	22.22	22.54	1
20M	16QAM	1	0	21.99	22.22	22.83	1
		1	50	21.98	22.12	22.81	1
		1	99	21.96	22.22	22.79	1
		50	0				2
		50	25				2
		50	50				2
		100	0				2
BW	MCS Index	Channel		20025	20175	20325	3GPP MPR
		Frequence (MHz)		1717.5	1732.5	1747.5	
15M	QPSK	1	0	23.30	23.39	23.57	0
		1	37	23.32	23.35	23.59	0
		1	74	23.26	23.30	23.36	0
		36	0	22.24	22.26	22.69	1
		36	19	22.19	22.28	22.69	1
		36	39	22.18	22.18	22.56	1
		75	0	22.14	22.12	22.52	1
15M	16QAM	1	0	21.99	22.22	22.75	1
		1	37	21.88	22.11	22.72	1
		1	74	21.96	22.18	22.70	1
		36	0				2
		36	19				2
		36	39				2
		75	0				2

LTE Conducted Power (Full)							
LTE Band 4							
BW	MCS Index	Channel		20000	20175	20350	3GPP MPR
		Frequence (MHz)		1715	1732.5	1750	
10M	QPSK	1	0	23.33	23.39	23.51	0
		1	24	23.26	23.31	23.52	0
		1	49	23.24	23.36	23.37	0
		25	0	22.24	22.24	22.66	1
		25	12	22.23	22.28	22.68	1
		25	25	22.14	22.14	22.49	1
		50	0	22.16	22.18	22.51	1
10M	16QAM	1	0	21.91	22.12	22.77	1
		1	24	21.98	22.02	22.75	1
		1	49	21.94	22.14	22.77	1
		25	0	21.51	21.47	21.54	2
		25	12	21.42	21.41	21.46	2
		25	25	21.41	21.33	21.41	2
		50	0				2
BW	MCS Index	Channel		19975	20175	20375	3GPP MPR
		Frequence (MHz)		1712.5	1732.5	1752.5	
5M	QPSK	1	0	23.26	23.44	23.56	0
		1	12	23.23	23.34	23.50	0
		1	24	23.24	23.35	23.35	0
		12	0	22.20	22.21	22.65	1
		12	6	22.15	22.31	22.67	1
		12	13	22.15	22.19	22.54	1
		25	0	22.15	22.19	22.48	1
5M	16QAM	1	0	21.95	22.17	22.80	1
		1	12	21.98	22.12	22.71	1
		1	24	21.93	22.14	22.74	1
		12	0	21.48	21.39	21.47	2
		12	6	21.39	21.31	21.38	2
		12	13	21.31	21.24	21.39	2
		25	0	21.37	21.32	21.38	2

LTE Conducted Power (Full)							
LTE Band 4							
BW	MCS Index	Channel		19965	20175	20385	3GPP MPR
		Frequence (MHz)		1711.5	1732.5	1753.5	
3M	QPSK	1	0	23.33	23.45	23.59	0
		1	7	23.23	23.41	23.57	0
		1	14	23.25	23.28	23.29	0
		8	0	22.20	22.25	22.68	1
		8	3	22.19	22.23	22.59	1
		8	7	22.13	22.24	22.56	1
		15	0	22.18	22.14	22.46	1
3M	16QAM	1	0	21.96	22.18	22.74	1
		1	7	21.92	22.11	22.71	1
		1	14	21.89	22.12	22.71	1
		8	0	21.45	21.40	21.50	2
		8	3	21.40	21.41	21.38	2
		8	7	21.37	21.29	21.33	2
		15	0	21.34	21.31	21.36	2
BW	MCS Index	Channel		19957	20175	20393	3GPP MPR
		Frequence (MHz)		1710.7	1732.5	1754.3	
1.4M	QPSK	1	0	23.27	23.42	23.52	0
		1	2	23.31	23.36	23.56	0
		1	5	23.23	23.26	23.32	0
		3	0	23.17	23.21	23.31	0
		3	1	23.18	23.28	23.33	0
		3	3	23.14	23.24	23.29	0
		6	0	22.18	22.20	22.54	1
1.4M	16QAM	1	0	21.99	22.21	22.83	1
		1	2	21.92	22.02	22.74	1
		1	5	21.89	22.12	22.74	1
		3	0	21.46	21.39	21.51	1
		3	1	21.41	21.41	21.45	1
		3	3	21.40	21.24	21.32	1
		6	0	21.34	21.32	21.38	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	23.56	23.36	23.51	0
		1	24	23.53	23.35	23.43	0
		1	49	23.37	23.31	23.34	0
		25	0	22.66	22.51	22.59	1
		25	12	22.61	22.46	22.52	1
		25	25	22.47	22.33	22.38	1
		50	0	22.58	22.49	22.52	1
10M	16QAM	1	0	22.64	22.55	22.59	1
		1	24	22.61	22.52	22.55	1
		1	49	22.52	22.43	22.52	1
		25	0	21.58	21.57	21.58	2
		25	12	21.56	21.42	21.52	2
		25	25	21.49	21.44	21.49	2
		50	0				2
BW	MCS Index	Channel		20425	20525	20625	3GPP MPR
		Frequence (MHz)		826.5	836.5	846.5	
5M	QPSK	1	0	23.50	23.28	23.42	0
		1	12	23.47	23.26	23.38	0
		1	24	23.27	23.31	23.25	0
		12	0	22.58	22.41	22.54	1
		12	6	22.57	22.46	22.43	1
		12	13	22.42	22.28	22.36	1
		25	0	22.58	22.41	22.49	1
5M	16QAM	1	0	22.61	22.52	22.58	1
		1	12	22.60	22.50	22.55	1
		1	24	22.42	22.35	22.42	1
		12	0	21.58	21.49	21.50	2
		12	6	21.47	21.39	21.43	2
		12	13	21.42	21.36	21.40	2
		25	0	21.48	21.42	21.44	2

LTE Conducted Power (Full)							
LTE Band 5							
BW	MCS Index	Channel		20415	20525	20635	3GPP MPR
		Frequence (MHz)		825.5	836.5	847.5	
3M	QPSK	1	0	23.54	23.26	23.48	0
		1	7	23.43	23.32	23.40	0
		1	14	23.33	23.22	23.24	0
		8	0	22.64	22.42	22.54	1
		8	3	22.51	22.41	22.43	1
		8	7	22.47	22.26	22.34	1
		15	0	22.51	22.42	22.42	1
3M	16QAM	1	0	22.58	22.50	22.51	1
		1	7	22.51	22.49	22.46	1
		1	14	22.50	22.35	22.47	1
		8	0	21.48	21.48	21.55	2
		8	3	21.50	21.33	21.46	2
		8	7	21.47	21.36	21.46	2
		15	0	21.43	21.32	21.44	2
BW	MCS Index	Channel		20407	20525	20643	3GPP MPR
		Frequence (MHz)		824.7	836.5	848.3	
1.4M	QPSK	1	0	23.49	23.27	23.36	0
		1	2	23.48	23.16	23.22	0
		1	5	23.19	23.14	23.23	0
		3	0	23.47	23.38	23.54	0
		3	1	23.46	23.35	23.31	0
		3	3	23.34	23.19	23.29	0
		6	0	22.47	22.31	22.41	1
1.4M	16QAM	1	0	22.57	22.41	22.52	1
		1	2	22.59	22.34	22.39	1
		1	5	22.38	22.36	22.38	1
		3	0	22.54	22.44	22.47	1
		3	1	22.46	22.34	22.49	1
		3	3	22.36	22.31	22.42	1
		6	0	21.40	21.30	21.27	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	23.38	23.46	23.74	0
		1	50	23.29	23.37	23.73	0
		1	99	23.14	23.22	23.58	0
		50	0	22.37	22.45	22.81	1
		50	25	22.32	22.40	22.76	1
		50	50	22.28	22.36	22.72	1
		100	0	22.30	22.38	22.74	1
20M	16QAM	1	0	22.42	22.50	22.86	1
		1	50	22.30	22.38	22.74	1
		1	99	22.27	22.35	22.71	1
		50	0				2
		50	25				2
		50	50				2
		100	0				2
BW	MCS Index	Channel		20825	21100	21375	3GPP MPR
		Frequence (MHz)		2507.5	2535	2562.5	
15M	QPSK	1	0	23.33	23.36	23.68	0
		1	37	23.25	23.35	23.63	0
		1	74	23.09	23.21	23.54	0
		36	0	22.36	22.39	22.71	1
		36	19	22.24	22.38	22.70	1
		36	39	22.21	22.26	22.67	1
		75	0	22.22	22.37	22.68	1
15M	16QAM	1	0	22.42	22.49	22.82	1
		1	37	22.26	22.30	22.71	1
		1	74	22.22	22.32	22.69	1
		36	0				2
		36	19				2
		36	39				2
		75	0				2

LTE Conducted Power (Full)							
LTE Band 7							
BW	MCS Index	Channel		20800	21100	21400	3GPP MPR
		Frequence (MHz)		2505	2535	2565	
10M	QPSK	1	0	23.37	23.36	23.66	0
		1	24	23.19	23.34	23.73	0
		1	49	23.10	23.16	23.58	0
		25	0	22.32	22.42	22.72	1
		25	12	22.30	22.34	22.76	1
		25	25	22.27	22.35	22.62	1
		50	0	22.30	22.36	22.64	1
10M	16QAM	1	0	22.34	22.47	22.81	1
		1	24	22.24	22.28	22.74	1
		1	49	22.21	22.27	22.68	1
		25	0	21.42	21.50	21.86	2
		25	12	21.34	21.42	21.78	2
		25	25	21.25	21.33	21.69	2
		50	0				2
BW	MCS Index	Channel		20775	21100	21425	3GPP MPR
		Frequence (MHz)		2502.5	2535	2567.5	
5M	QPSK	1	0	23.31	23.46	23.66	0
		1	12	23.29	23.32	23.64	0
		1	24	23.12	23.21	23.55	0
		12	0	22.35	22.39	22.74	1
		12	6	22.23	22.37	22.75	1
		12	13	22.22	22.33	22.67	1
		25	0	22.27	22.34	22.65	1
5M	16QAM	1	0	22.41	22.46	22.85	1
		1	12	22.28	22.32	22.72	1
		1	24	22.18	22.31	22.61	1
		12	0	21.41	21.41	21.84	2
		12	6	21.30	21.32	21.74	2
		12	13	21.19	21.25	21.65	2
		25	0	21.10	21.24	21.62	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	23.12	23.38	23.34	0
		1	24	23.10	23.34	23.24	0
		1	49	23.09	23.17	23.16	0
		25	0	22.49	22.52	22.49	1
		25	12	22.37	22.41	22.28	1
		25	25	22.31	22.32	22.29	1
		50	0	22.34	22.35	22.25	1
10M	16QAM	1	0	22.48	22.47	22.40	1
		1	24	22.27	22.35	22.26	1
		1	49	22.29	22.27	22.27	1
		25	0	21.47	21.43	21.47	2
		25	12	21.31	21.26	21.36	2
		25	25	21.21	21.12	21.22	2
		50	0				2
BW	MCS Index	Channel		23035	23095	23155	3GPP MPR
		Frequence (MHz)		701.5	707.5	713.5	
5M	QPSK	1	0	23.02	23.29	23.27	0
		1	12	23.07	23.28	23.15	0
		1	24	23.08	23.07	23.06	0
		12	0	22.43	22.44	22.47	1
		12	6	22.35	22.40	22.23	1
		12	13	22.29	22.25	22.29	1
		25	0	22.34	22.25	22.15	1
5M	16QAM	1	0	22.43	22.38	22.38	1
		1	12	22.19	22.33	22.21	1
		1	24	22.25	22.26	22.23	1
		12	0	21.37	21.35	21.38	2
		12	6	21.24	21.18	21.35	2
		12	13	21.15	21.04	21.15	2
		25	0	21.17	21.12	21.14	2

LTE Conducted Power (Full)							
LTE Band 12							
BW	MCS Index	Channel		23025	23095	23165	3GPP MPR
		Frequence (MHz)		700.5	707.5	714.5	
3M	QPSK	1	0	23.08	23.35	23.33	0
		1	7	23.05	23.28	23.19	0
		1	14	23.09	23.09	23.07	0
		8	0	22.46	22.42	22.39	1
		8	3	22.37	22.36	22.21	1
		8	7	22.31	22.25	22.26	1
		15	0	22.24	22.33	22.15	1
3M	16QAM	1	0	22.42	22.43	22.32	1
		1	7	22.25	22.26	22.22	1
		1	14	22.29	22.24	22.23	1
		8	0	21.40	21.33	21.46	2
		8	3	21.23	21.18	21.27	2
		8	7	21.11	21.05	21.12	2
		15	0	21.11	21.03	21.05	2
BW	MCS Index	Channel		23017	23095	23173	3GPP MPR
		Frequence (MHz)		699.7	707.5	715.3	
1.4M	QPSK	1	0	23.08	23.33	23.29	0
		1	2	22.90	23.32	23.03	0
		1	5	23.00	23.03	23.01	0
		3	0	23.36	23.36	23.32	0
		3	1	23.20	23.31	23.25	0
		3	3	23.14	23.21	23.26	0
		6	0	22.27	22.14	22.09	1
1.4M	16QAM	1	0	22.40	22.35	22.28	1
		1	2	22.19	22.19	22.12	1
		1	5	22.09	22.15	22.23	1
		3	0	22.32	22.38	22.30	1
		3	1	22.20	22.16	22.26	1
		3	3	22.09	22.10	22.16	1
		6	0	21.03	21.04	21.06	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		23.45		0
		1	24		23.43		0
		1	49		23.41		0
		25	0		22.41		1
		25	12		22.40		1
		25	25		22.38		1
		50	0		22.35		1
10M	16QAM	1	0		22.44		1
		1	24		22.41		1
		1	49		22.38		1
		25	0		21.56		2
		25	12		21.47		2
		25	25		21.44		2
		50	0				2
BW	MCS Index	Channel		23205	23230	23255	3GPP MPR
		Frequence (MHz)		779.5	782	784.5	
5M	QPSK	1	0	23.42	23.43	23.33	0
		1	12	23.41	23.41	23.35	0
		1	24	23.38	23.40	23.33	0
		12	0	22.25	22.34	22.33	1
		12	6	22.38	22.39	22.31	1
		12	13	22.29	22.35	22.34	1
		25	0	22.29	22.32	22.29	1
5M	16QAM	1	0	22.37	22.40	22.38	1
		1	12	22.25	22.31	22.23	1
		1	24	22.26	22.33	22.33	1
		12	0	21.41	21.48	21.39	2
		12	6	21.41	21.47	21.41	2
		12	13	21.24	21.34	21.27	2
		25	0	21.21	21.30	21.20	2

LTE Conducted Power (Full)							
LTE Band 25							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		26140	26365	26590	
		Frequence (MHz)		1860	1882.5	1905	
20M	QPSK	1	0	23.45	23.37	22.33	0
		1	50	23.41	23.33	22.39	0
		1	99	23.28	23.20	23.16	0
		50	0	22.46	21.38	21.84	1
		50	25	22.37	21.29	21.75	1
		50	50	22.29	21.21	21.67	1
		100	0	22.32	21.24	21.70	1
20M	16QAM	1	0	22.44	21.36	21.82	1
		1	50	22.38	21.30	21.76	1
		1	99	22.33	21.25	21.71	1
		50	0				2
		50	25				2
		50	50				2
		100	0				2
BW	MCS Index	Channel		26115	26365	26615	3GPP MPR
		Frequence (MHz)		1857.5	1882.5	1907.5	
15M	QPSK	1	0	23.38	23.27	23.23	0
		1	37	23.34	23.27	23.22	0
		1	74	23.27	23.17	23.21	0
		36	0	22.36	21.34	21.75	1
		36	19	22.27	21.23	21.74	1
		36	39	22.28	21.15	21.58	1
		75	0	22.31	21.24	21.63	1
15M	16QAM	1	0	22.36	21.35	21.75	1
		1	37	22.30	21.21	21.68	1
		1	74	22.23	21.22	21.62	1
		36	0				2
		36	19				2
		36	39				2
		75	0				2

LTE Conducted Power (Full)							
LTE Band 25							
BW	MCS Index	Channel		26090	26365	26640	3GPP MPR
		Frequence (MHz)		1855	1882.5	1910	
10M	QPSK	1	0	23.35	23.36	23.20	0
		1	24	23.33	23.30	23.27	0
		1	49	23.18	23.17	23.16	0
		25	0	22.40	21.31	21.79	1
		25	12	22.28	21.21	21.72	1
		25	25	22.28	21.19	21.58	1
		50	0	22.22	21.20	21.63	1
10M	16QAM	1	0	22.38	21.28	21.75	1
		1	24	22.36	21.20	21.74	1
		1	49	22.32	21.22	21.67	1
		25	0	21.44	20.36	20.82	2
		25	12	21.32	20.24	20.70	2
		25	25	21.28	20.20	20.66	2
		50	0				2
BW	MCS Index	Channel		26065	26365	26665	3GPP MPR
		Frequence (MHz)		1852.5	1882.5	1912.5	
5M	QPSK	1	0	23.42	23.28	23.28	0
		1	12	23.40	23.27	23.25	0
		1	24	23.27	23.17	23.10	0
		12	0	22.43	21.29	21.74	1
		12	6	22.34	21.21	21.66	1
		12	13	22.20	21.12	21.59	1
		25	0	22.32	21.19	21.67	1
5M	16QAM	1	0	22.44	21.28	21.82	1
		1	12	22.33	21.26	21.71	1
		1	24	22.29	21.15	21.61	1
		12	0	21.38	20.33	20.79	2
		12	6	21.22	20.24	20.69	2
		12	13	21.26	20.13	20.65	2
		25	0	21.26	20.18	20.64	2

LTE Conducted Power (Full)							
LTE Band 25							
BW	MCS Index	Channel		26055	26365	26675	3GPP MPR
		Frequence (MHz)		1851.5	1882.5	1913.5	
3M	QPSK	1	0	23.44	23.29	23.26	0
		1	7	23.33	23.25	23.24	0
		1	14	23.20	23.17	23.11	0
		8	0	22.38	21.38	21.74	1
		8	3	22.33	21.21	21.75	1
		8	7	22.27	21.20	21.65	1
		15	0	22.22	21.14	21.62	1
3M	16QAM	1	0	22.42	21.29	21.76	1
		1	7	22.36	21.23	21.72	1
		1	14	22.31	21.17	21.68	1
		8	0	21.35	20.31	20.72	2
		8	3	21.28	20.24	20.62	2
		8	7	21.25	20.13	20.66	2
		15	0	21.24	20.11	20.57	2
BW	MCS Index	Channel		26047	26365	26683	3GPP MPR
		Frequence (MHz)		1850.7	1882.5	1914.3	
1.4M	QPSK	1	0	23.23	23.21	23.23	0
		1	2	23.20	23.24	23.25	0
		1	5	23.24	23.02	22.94	0
		3	0	23.43	23.23	23.26	0
		3	1	23.34	23.16	23.21	0
		3	3	23.16	23.15	22.95	0
		6	0	22.28	21.19	21.56	1
1.4M	16QAM	1	0	22.34	21.27	21.71	1
		1	2	22.29	21.09	21.70	1
		1	5	22.21	21.05	21.49	1
		3	0	22.26	21.21	21.73	1
		3	1	22.15	21.12	21.59	1
		3	3	22.08	21.01	21.42	1
		6	0	21.23	20.12	20.49	2

LTE Conducted Power (Full)							
LTE Band 26							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		26765	26865	26965	
		Frequence (MHz)		821.5	831.5	841.5	
15M	QPSK	1	0	23.16	23.23	23.28	0
		1	37	23.12	23.21	23.25	0
		1	74	23.12	23.15	23.18	0
		36	0	22.43	22.44	22.47	1
		36	19	22.31	22.34	22.42	1
		36	39	22.12	22.21	22.31	1
		75	0	22.24	22.31	22.36	1
15M	16QAM	1	0	22.32	22.40	22.45	1
		1	37	22.34	22.35	22.41	1
		1	74	22.29	22.32	22.37	1
		36	0				2
		36	19				2
		36	39				2
		75	0				2
BW	MCS Index	Channel		26740	26865	26990	3GPP MPR
		Frequence (MHz)		819	831.5	844	
10M	QPSK	1	0	23.06	23.15	23.27	0
		1	24	23.11	23.13	23.16	0
		1	49	23.08	23.06	23.18	0
		25	0	22.42	22.38	22.45	1
		25	12	22.22	22.25	22.37	1
		25	25	22.06	22.21	22.27	1
		50	0	22.16	22.22	22.30	1
10M	16QAM	1	0	22.25	22.31	22.41	1
		1	24	22.24	22.31	22.32	1
		1	49	22.23	22.29	22.35	1
		25	0	21.36	21.43	21.44	2
		25	12	21.36	21.35	21.36	2
		25	25	21.17	21.13	21.22	2
		50	0				2

LTE Conducted Power (Full)							
LTE Band 26							
BW	MCS Index	Channel		26715	26865	27015	3GPP MPR
		Frequence (MHz)		816.5	831.5	846.5	
5M	QPSK	1	0	23.10	23.19	23.26	0
		1	12	23.03	23.19	23.25	0
		1	24	23.07	23.14	23.17	0
		12	0	22.39	22.40	22.37	1
		12	6	22.23	22.32	22.40	1
		12	13	22.02	22.18	22.23	1
		25	0	22.21	22.31	22.30	1
5M	16QAM	1	0	22.30	22.40	22.44	1
		1	12	22.28	22.34	22.31	1
		1	24	22.20	22.22	22.36	1
		12	0	21.33	21.36	21.37	2
		12	6	21.34	21.33	21.26	2
		12	13	21.13	21.04	21.16	2
		25	0	21.08	20.99	21.19	2
BW	MCS Index	Channel		26705	26865	27025	3GPP MPR
		Frequence (MHz)		815.5	831.5	847.5	
3M	QPSK	1	0	23.10	23.13	23.23	0
		1	7	23.05	23.18	23.16	0
		1	14	23.09	23.14	23.14	0
		8	0	22.35	22.43	22.38	1
		8	3	22.25	22.33	22.32	1
		8	7	22.06	22.14	22.28	1
		15	0	22.23	22.22	22.36	1
3M	16QAM	1	0	22.31	22.40	22.43	1
		1	7	22.31	22.30	22.37	1
		1	14	22.20	22.31	22.27	1
		8	0	21.35	21.37	21.38	2
		8	3	21.27	21.27	21.26	2
		8	7	21.16	21.13	21.14	2
		15	0	21.07	20.96	21.19	2

LTE Conducted Power (Full)							
LTE Band 26							
BW	MCS Index	Channel		26697	26865	27033	3GPP MPR
		Frequence (MHz)		814.7	831.5	848.3	
1.4M	QPSK	1	0	23.12	23.15	23.19	0
		1	2	23.00	23.13	23.11	0
		1	5	23.01	23.09	23.11	0
		3	0	23.22	23.11	23.14	0
		3	1	23.08	23.21	23.22	0
		3	3	23.05	22.98	23.11	0
		6	0	22.06	22.14	22.25	1
1.4M	16QAM	1	0	22.23	22.22	22.39	1
		1	2	22.22	22.24	22.31	1
		1	5	22.12	22.16	22.16	1
		3	0	22.28	22.31	22.39	1
		3	1	22.35	22.29	22.27	1
		3	3	22.11	22.03	22.11	1
		6	0	20.94	20.93	21.14	2

LTE Conducted Power (Full)							
LTE Band 38							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		37850	38000	38150	
		Frequence (MHz)		2580	2595	2610	
20M	QPSK	1	0	23.47	23.33	23.39	0
		1	50	23.38	23.32	23.32	0
		1	99	23.21	23.13	23.17	0
		50	0	22.47	22.42	22.45	1
		50	25	22.36	22.32	22.35	1
		50	50	22.25	22.13	22.17	1
		100	0	22.28	22.19	22.27	1
20M	16QAM	1	0	22.44	22.39	22.37	1
		1	50	22.29	22.27	22.29	1
		1	99	22.21	22.08	22.16	1
		50	0				2
		50	25				2
		50	50				2
		100	0				2
BW	MCS Index	Channel		37825	38000	38175	3GPP MPR
		Frequence (MHz)		2577.5	2595	2612.5	
15M	QPSK	1	0	23.39	23.32	23.33	0
		1	37	23.38	23.23	23.32	0
		1	74	23.17	23.09	23.12	0
		36	0	22.42	22.36	22.39	1
		36	19	22.36	22.26	22.30	1
		36	39	22.15	22.03	22.10	1
		75	0	22.25	22.17	22.27	1
15M	16QAM	1	0	22.39	22.34	22.34	1
		1	37	22.25	22.19	22.21	1
		1	74	22.14	22.00	22.06	1
		36	0				2
		36	19				2
		36	39				2
		75	0				2

LTE Conducted Power (Full)							
LTE Band 38							
BW	MCS Index	Channel		37800	38000	38200	3GPP MPR
		Frequence (MHz)		2575	2595	2615	
10M	QPSK	1	0	23.39	23.33	23.33	0
		1	24	23.36	23.26	23.28	0
		1	49	23.16	23.09	23.12	0
		25	0	22.43	22.35	22.36	1
		25	12	22.32	22.25	22.35	1
		25	25	22.19	22.04	22.08	1
		50	0	22.22	22.10	22.21	1
10M	16QAM	1	0	22.44	22.33	22.37	1
		1	24	22.25	22.19	22.19	1
		1	49	22.11	22.08	22.15	1
		25	0	21.42	21.39	21.41	2
		25	12	21.26	21.17	21.21	2
		25	25	21.13	21.12	21.04	2
		50	0				2
BW	MCS Index	Channel		37775	38000	38225	3GPP MPR
		Frequence (MHz)		2572.5	2595	2617.5	
5M	QPSK	1	0	23.45	23.24	23.29	0
		1	12	23.32	23.22	23.25	0
		1	24	23.12	23.08	23.13	0
		12	0	22.47	22.38	22.39	1
		12	6	22.34	22.25	22.25	1
		12	13	22.25	22.13	22.10	1
		25	0	22.26	22.12	22.23	1
5M	16QAM	1	0	22.40	22.38	22.29	1
		1	12	22.21	22.21	22.27	1
		1	24	22.19	22.06	22.12	1
		12	0	21.36	21.34	21.39	2
		12	6	21.18	21.13	21.19	2
		12	13	21.12	21.10	21.02	2
		25	0	21.07	20.97	20.98	2

LTE Conducted Power (Full)

LTE Band 41

BW	MCS Index	RB Size	RB Offset	Low	Mid	Mid	Mid	High	3GPP MPR (dB)
		Channel		39750	40185	40620	41055	41490	
		Frequence (MHz)		2506	2549.5	2593	2636.5	2680	
20M	QPSK	1	0	22.95	23.38	23.41	23.59	23.72	0
		1	50	22.88	23.35	23.34	23.52	23.65	0
		1	99	22.84	23.31	23.30	23.48	23.61	0
		50	0	22.07	22.54	22.53	22.71	22.84	1
		50	25	22.01	22.48	22.47	22.65	22.78	1
		50	50	21.95	22.42	22.41	22.59	22.72	1
		100	0	21.98	22.45	22.44	22.62	22.75	1
20M	16QAM	1	0	22.04	22.51	22.50	22.68	22.81	1
		1	50	22.00	22.47	22.46	22.64	22.77	1
		1	99	21.94	22.41	22.40	22.58	22.71	1
		50	0						2
		50	25						2
		50	50						2
		100	0						2
BW	MCS Index	Channel		39725	40173	40620	41068	41515	3GPP MPR
		Frequence (MHz)		2503.5	2548.3	2593	2637.8	2682.5	
15M	QPSK	1	0	22.86	23.36	23.41	23.54	23.64	0
		1	37	22.78	23.27	23.27	23.44	23.63	0
		1	74	22.74	23.28	23.29	23.40	23.57	0
		36	0	22.03	22.51	22.51	22.68	22.78	1
		36	19	22.00	22.45	22.37	22.58	22.77	1
		36	39	21.87	22.32	22.40	22.52	22.63	1
		75	0	21.91	22.35	22.34	22.58	22.75	1
15M	16QAM	1	0	21.88	22.29	22.31	22.50	22.64	1
		1	37	21.88	22.26	22.30	22.51	22.64	1
		1	74	21.78	22.25	22.28	22.42	22.58	1
		36	0						2
		36	19						2
		36	39						2
		75	0						2

LTE Conducted Power (Full)									
LTE Band 41									
BW	MCS Index	Channel		39700	40160	40620	41080	41540	3GPP MPR
		Frequence (MHz)		2501	2547	2593	2639	2685	
10M	QPSK	1	0	22.86	23.32	23.40	23.50	23.65	0
		1	24	22.84	23.32	23.32	23.43	23.60	0
		1	49	22.82	23.30	23.27	23.41	23.61	0
		25	0	21.98	22.47	22.47	22.69	22.79	1
		25	12	21.91	22.48	22.39	22.60	22.71	1
		25	25	21.93	22.42	22.40	22.54	22.68	1
		50	0	21.90	22.35	22.35	22.57	22.69	1
10M	16QAM	1	0	21.88	22.36	22.33	22.49	22.72	1
		1	24	21.85	22.25	22.24	22.43	22.56	1
		1	49	21.75	22.21	22.26	22.42	22.54	1
		25	0	21.02	21.51	21.46	21.70	21.75	2
		25	12	20.96	21.38	21.45	21.60	21.73	2
		25	25	20.92	21.45	21.37	21.64	21.68	2
		50	0						2
BW	MCS Index	Channel		39675	40148	40620	41093	41565	3GPP MPR
		Frequence (MHz)		2498.5	2545.8	2593	2640.3	2687.5	
5M	QPSK	1	0	22.87	23.34	23.33	23.59	23.64	0
		1	12	22.80	23.30	23.29	23.49	23.59	0
		1	24	22.77	23.23	23.24	23.39	23.58	0
		12	0	21.98	22.44	22.49	22.62	22.75	1
		12	6	21.93	22.41	22.40	22.63	22.71	1
		12	13	21.94	22.42	22.36	22.49	22.65	1
		25	0	21.88	22.41	22.43	22.59	22.65	1
5M	16QAM	1	0	21.93	22.34	22.35	22.51	22.72	1
		1	12	21.84	22.34	22.32	22.48	22.60	1
		1	24	21.80	22.28	22.23	22.45	22.53	1
		12	0	21.00	21.50	21.47	21.70	21.77	2
		12	6	21.00	21.46	21.43	21.55	21.76	2
		12	13	21.06	21.49	21.48	21.67	21.79	2
		25	0	20.97	21.42	21.45	21.59	21.75	2

WLAN Conducted Power (Full)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	15.92
	6	2437	16.95
	11	2462	16.16
802.11g	1	2412	12.56
	6	2437	13.88
	11	2462	13.25
802.11n HT20	1	2412	12.53
	6	2437	13.62
	11	2462	12.91

WLAN Conducted Power (Full)			
Bluetooth Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
BR / EDR	0	2402	8.43
	39	2441	8.29
	78	2480	7.56
LE	0	2402	5
	19	2440	4.65
	39	2480	2.22

WLAN Conducted Power (Full)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	12.68
	56	5280	12.62
	60	5300	13.12
	64	5320	13.03
802.11n HT20	52	5260	12.16
	56	5280	12.08
	60	5300	13.02
	64	5320	12.58
802.11n HT40	54	5270	12.23
	62	5310	12.24
802.11ac VHT20	52	5260	12.37
	56	5280	12.31
	60	5300	12.21
	64	5320	12.31
802.11ac VHT40	54	5270	12.28
	62	5310	12.25
802.11ac VHT80	58	5290	9.23

WLAN Conducted Power (Full)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	12.27
	116	5580	12.56
	120	5600	12.51
	124	5620	12.44
	132	5660	12.5
	140	5700	12.71
802.11n HT20	100	5500	12.12
	116	5580	12.15
	120	5600	12.1
	124	5620	12.07
	132	5660	12.4
	140	5700	12.43
802.11n HT40	102	5510	12.03
	110	5550	12.53
	118	5590	12.42
	126	5630	12.37
	134	5670	12.47
802.11ac VHT20	100	5500	12.12
	116	5580	12.25
	120	5600	12.22
	124	5620	12.19
	132	5660	12.21
	140	5700	12.54
802.11ac VHT40	102	5510	12.22
	110	5550	12.64
	118	5590	12.55
	126	5630	12.58
	134	5670	12.52
802.11ac VHT80	106	5530	9.13
	122	5610	12.42

WLAN Conducted Power (Full)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	13.11
	153	5765	13.03
	157	5785	13.12
	161	5805	13.08
	165	5825	13.02
802.11n HT20	149	5745	12.78
	153	5765	12.7
	157	5785	12.89
	161	5805	12.62
	165	5825	12.67
802.11n HT40	151	5755	12.38
	159	5795	12.29
802.11ac VHT20	149	5745	12.85
	153	5765	12.61
	157	5785	12.72
	161	5805	12.55
	165	5825	12.57
802.11ac VHT40	151	5755	12.41
	159	5795	12.31
802.11ac VHT80	155	5775	12.81

Annex 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								SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	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)
	GSM850	GPRS10	Front Face	0	251			-	1.00	31.50	31.17	1.08	-0.07	0.686	0.74
1	GSM850	GPRS10	Rear Face	0	251			-	1.00	31.50	31.17	1.08	-0.17	0.854	0.92
	GSM850	GPRS10	Left Side	0	251			-	1.00	31.50	31.17	1.08	0.03	0.549	0.59
	GSM850	GPRS10	Right Side	0	251			-	1.00	31.50	31.17	1.08	0.14	0.234	0.25
	GSM850	GPRS10	Top Side	0	251			-	1.00	31.50	31.17	1.08	-0.06	0.777	0.84
	GSM850	GPRS10	Bottom Side	0	251			-	1.00	31.50	31.17	1.08	-0.01	<0.001	0.00
	GSM850	GPRS10	Rear Face	0	128			-	1.00	31.50	30.93	1.14	0.03	0.795	0.91
	GSM850	GPRS10	Rear Face	0	189			-	1.00	31.50	31.06	1.11	0.07	0.753	0.84
	GSM1900	GPRS12	Front Face	0	661			-	1.00	26.00	25.71	1.07	-0.06	0.817	0.87
2	GSM1900	GPRS12	Rear Face	0	661			-	1.00	26.00	25.71	1.07	-0.05	1.01	1.08
	GSM1900	GPRS12	Left Side	0	661			-	1.00	26.00	25.71	1.07	-0.04	0.974	1.04
	GSM1900	GPRS12	Right Side	0	661			-	1.00	26.00	25.71	1.07	-0.16	0.181	0.19
	GSM1900	GPRS12	Top Side	0	661			-	1.00	26.00	25.71	1.07	0.13	0.265	0.28
	GSM1900	GPRS12	Bottom Side	0	661			-	1.00	26.00	25.71	1.07	0	<0.001	0.00
	GSM1900	GPRS12	Rear Face	0	512			-	1.00	26.00	25.24	1.19	-0.18	0.903	1.07
	GSM1900	GPRS12	Rear Face	0	810			-	1.00	26.00	25.35	1.16	-0.05	0.921	1.07
	WCDMA II	RMC12.2K	Front Face	0	9262			-	1.00	23.50	23.49	1.00	-0.11	1.06	1.06
3	WCDMA II	RMC12.2K	Rear Face	0	9262			-	1.00	23.50	23.49	1.00	0.01	1.54	1.54
	WCDMA II	RMC12.2K	Left Side	0	9262			-	1.00	23.50	23.49	1.00	0.17	1.36	1.36
	WCDMA II	RMC12.2K	Right Side	0	9262			-	1.00	23.50	23.49	1.00	0.12	0.188	0.19
	WCDMA II	RMC12.2K	Top Side	0	9262			-	1.00	23.50	23.49	1.00	0.02	0.28	0.28
	WCDMA II	RMC12.2K	Bottom Side	0	9262			-	1.00	23.50	23.49	1.00	0	<0.001	0.00
	WCDMA II	RMC12.2K	Rear Face	0	9400			-	1.00	23.50	23.48	1.00	0.01	1.32	1.32
	WCDMA II	RMC12.2K	Rear Face	0	9538			-	1.00	23.50	23.44	1.01	-0.12	1.35	1.36
	WCDMA IV	RMC12.2K	Front Face	0	1413			-	1.00	23.50	23.49	1.00	0.03	1.02	1.02
4	WCDMA IV	RMC12.2K	Rear Face	0	1413			-	1.00	23.50	23.49	1.00	0.04	1.39	1.39
	WCDMA IV	RMC12.2K	Left Side	0	1413			-	1.00	23.50	23.49	1.00	0.16	0.954	0.95
	WCDMA IV	RMC12.2K	Right Side	0	1413			-	1.00	23.50	23.49	1.00	-0.06	0.312	0.31
	WCDMA IV	RMC12.2K	Top Side	0	1413			-	1.00	23.50	23.49	1.00	-0.05	0.506	0.51
	WCDMA IV	RMC12.2K	Bottom Side	0	1413			-	1.00	23.50	23.49	1.00	0	<0.001	0.00
	WCDMA IV	RMC12.2K	Rear Face	0	1312			-	1.00	23.50	23.46	1.01	0.11	1.01	1.02
	WCDMA IV	RMC12.2K	Rear Face	0	1513			-	1.00	23.50	23.48	1.00	0.05	1.02	1.02
	WCDMA V	RMC12.2K	Front Face	0	4182			-	1.00	23.50	23.20	1.07	-0.04	0.991	1.06
5	WCDMA V	RMC12.2K	Rear Face	0	4182			-	1.00	23.50	23.20	1.07	-0.04	1.18	1.26
	WCDMA V	RMC12.2K	Left Side	0	4182			-	1.00	23.50	23.20	1.07	-0.19	0.226	0.24
	WCDMA V	RMC12.2K	Right Side	0	4182			-	1.00	23.50	23.20	1.07	0.05	0.149	0.16
	WCDMA V	RMC12.2K	Top Side	0	4182			-	1.00	23.50	23.20	1.07	0.03	0.706	0.76
	WCDMA V	RMC12.2K	Bottom Side	0	4182			-	1.00	23.50	23.20	1.07	0	<0.001	0.00
	WCDMA V	RMC12.2K	Rear Face	0	4132			-	1.00	23.50	23.17	1.08	-0.15	0.986	1.06
	WCDMA V	RMC12.2K	Rear Face	0	4233			-	1.00	23.50	23.16	1.08	0.02	0.984	1.06

Extremity SAR Test Result

System & Position								SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	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 2	QPSK20M	Front Face	0	18700	1	0	-	1.00	23.00	22.83	1.04	0.16	1.16	1.21
	LTE 2	QPSK20M	Rear Face	0	18700	1	0	-	1.00	23.00	22.83	1.04	0.06	1.56	1.62
	LTE 2	QPSK20M	Left Side	0	18700	1	0	-	1.00	23.00	22.83	1.04	-0.07	1.38	1.44
	LTE 2	QPSK20M	Right Side	0	18700	1	0	-	1.00	23.00	22.83	1.04	0.07	0.214	0.22
	LTE 2	QPSK20M	Top Side	0	18700	1	0	-	1.00	23.00	22.83	1.04	-0.19	0.339	0.35
	LTE 2	QPSK20M	Bottom Side	0	18700	1	0	-	1.00	23.00	22.83	1.04	0	<0.001	0.00
	LTE 2	QPSK20M	Front Face	0	18700	50	0	-	1.00	22.00	21.96	1.01	0.19	0.917	0.93
	LTE 2	QPSK20M	Rear Face	0	18700	50	0	-	1.00	22.00	21.96	1.01	-0.06	1.27	1.28
	LTE 2	QPSK20M	Left Side	0	18700	50	0	-	1.00	22.00	21.96	1.01	0.15	1.12	1.13
	LTE 2	QPSK20M	Right Side	0	18700	50	0	-	1.00	22.00	21.96	1.01	-0.05	0.173	0.17
	LTE 2	QPSK20M	Top Side	0	18700	50	0	-	1.00	22.00	21.96	1.01	0.07	0.314	0.32
	LTE 2	QPSK20M	Bottom Side	0	18700	50	0	-	1.00	22.00	21.96	1.01	0	<0.001	0.00
	LTE 2	QPSK20M	Rear Face	0	18900	1	0	-	1.00	23.00	22.23	1.19	0.15	0.935	1.11
6	LTE 2	QPSK20M	Rear Face	0	19100	1	0	-	1.00	23.00	22.61	1.09	-0.07	1.75	1.91
	LTE 4	QPSK20M	Front Face	0	20300	1	0	-	1.00	24.00	23.62	1.09	0.09	0.836	0.91
7	LTE 4	QPSK20M	Rear Face	0	20300	1	0	-	1.00	24.00	23.62	1.09	-0.07	1.13	1.23
	LTE 4	QPSK20M	Left Side	0	20300	1	0	-	1.00	24.00	23.62	1.09	-0.16	0.862	0.94
	LTE 4	QPSK20M	Right Side	0	20300	1	0	-	1.00	24.00	23.62	1.09	-0.05	0.278	0.30
	LTE 4	QPSK20M	Top Side	0	20300	1	0	-	1.00	24.00	23.62	1.09	0.11	0.444	0.48
	LTE 4	QPSK20M	Bottom Side	0	20300	1	0	-	1.00	24.00	23.62	1.09	0	<0.001	0.00
	LTE 4	QPSK20M	Front Face	0	20300	50	0	-	1.00	23.00	22.72	1.07	0.12	0.881	0.94
	LTE 4	QPSK20M	Rear Face	0	20300	50	0	-	1.00	23.00	22.72	1.07	-0.15	1.06	1.13
	LTE 4	QPSK20M	Left Side	0	20300	50	0	-	1.00	23.00	22.72	1.07	0.06	0.868	0.93
	LTE 4	QPSK20M	Right Side	0	20300	50	0	-	1.00	23.00	22.72	1.07	-0.05	0.275	0.29
	LTE 4	QPSK20M	Top Side	0	20300	50	0	-	1.00	23.00	22.72	1.07	-0.13	0.497	0.53
	LTE 4	QPSK20M	Bottom Side	0	20300	50	0	-	1.00	23.00	22.72	1.07	0	<0.001	0.00
	LTE 4	QPSK20M	Rear Face	0	20050	1	0	-	1.00	24.00	23.36	1.16	0.17	0.861	1.00
	LTE 4	QPSK20M	Rear Face	0	20175	1	0	-	1.00	24.00	23.46	1.13	-0.16	0.798	0.90
	LTE 5	QPSK10M	Front Face	0	20450	1	0	-	1.00	24.00	23.56	1.11	-0.02	1.06	1.18
	LTE 5	QPSK10M	Rear Face	0	20450	1	0	-	1.00	24.00	23.56	1.11	0.09	1.1	1.22
	LTE 5	QPSK10M	Left Side	0	20450	1	0	-	1.00	24.00	23.56	1.11	0.05	0.671	0.74
	LTE 5	QPSK10M	Right Side	0	20450	1	0	-	1.00	24.00	23.56	1.11	-0.05	0.297	0.33
	LTE 5	QPSK10M	Top Side	0	20450	1	0	-	1.00	24.00	23.56	1.11	0.05	1.01	1.12
	LTE 5	QPSK10M	Bottom Side	0	20450	1	0	-	1.00	24.00	23.56	1.11	0	<0.001	0.00
	LTE 5	QPSK10M	Front Face	0	20450	25	0	-	1.00	23.00	22.66	1.08	0.07	0.847	0.91
	LTE 5	QPSK10M	Rear Face	0	20450	25	0	-	1.00	23.00	22.66	1.08	0.14	0.891	0.96
	LTE 5	QPSK10M	Left Side	0	20450	25	0	-	1.00	23.00	22.66	1.08	0.16	0.531	0.57
	LTE 5	QPSK10M	Right Side	0	20450	25	0	-	1.00	23.00	22.66	1.08	-0.08	0.238	0.26
	LTE 5	QPSK10M	Top Side	0	20450	25	0	-	1.00	23.00	22.66	1.08	-0.12	0.888	0.96
	LTE 5	QPSK10M	Bottom Side	0	20450	25	0	-	1.00	23.00	22.66	1.08	0	<0.001	0.00
	LTE 5	QPSK10M	Rear Face	0	20525	1	0	-	1.00	24.00	23.36	1.16	0.08	1.03	1.19
8	LTE 5	QPSK10M	Rear Face	0	20600	1	0	-	1.00	24.00	23.51	1.12	-0.05	1.16	1.30

Extremity SAR Test Result

System & Position								SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	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 7	QPSK20M	Front Face	0	21350	1	0	-	1.00	24.00	23.74	1.06	0.06	2.12	2.25
	LTE 7	QPSK20M	Rear Face	0	21350	1	0	-	1.00	24.00	23.74	1.06	0.07	1.48	1.57
	LTE 7	QPSK20M	Left Side	0	21350	1	0	-	1.00	24.00	23.74	1.06	0.14	1.06	1.12
	LTE 7	QPSK20M	Right Side	0	21350	1	0	-	1.00	24.00	23.74	1.06	0.1	0.346	0.37
9	LTE 7	QPSK20M	Top Side	0	21350	1	0	-	1.00	24.00	23.74	1.06	-0.14	2.82	2.99
	LTE 7	QPSK20M	Bottom Side	0	21350	1	0	-	1.00	24.00	23.74	1.06	0	<0.001	0.00
	LTE 7	QPSK20M	Front Face	0	21350	50	0	-	1.00	23.00	22.81	1.04	-0.04	1.76	1.83
	LTE 7	QPSK20M	Rear Face	0	21350	50	0	-	1.00	23.00	22.81	1.04	-0.09	1.21	1.26
	LTE 7	QPSK20M	Left Side	0	21350	50	0	-	1.00	23.00	22.81	1.04	0.06	0.873	0.91
	LTE 7	QPSK20M	Right Side	0	21350	50	0	-	1.00	23.00	22.81	1.04	0.01	0.289	0.30
	LTE 7	QPSK20M	Top Side	0	21350	50	0	-	1.00	23.00	22.81	1.04	-0.04	2.27	2.36
	LTE 7	QPSK20M	Bottom Side	0	21350	50	0	-	1.00	23.00	22.81	1.04	0	<0.001	0.00
	LTE 7	QPSK20M	Top Side	0	21350	100	0	-	1.00	23.00	22.74	1.06	-0.14	2.43	2.52
	LTE 7	QPSK20M	Front Face	0	20850	1	0	-	1.00	24.00	23.38	1.15	0.06	2.06	2.37
	LTE 7	QPSK20M	Front Face	0	21100	1	0	-	1.00	24.00	23.46	1.13	0.06	1.98	2.24
	LTE 7	QPSK20M	Top Side	0	20850	1	0	-	1.00	24.00	23.38	1.15	0.18	2.51	2.89
	LTE 7	QPSK20M	Top Side	0	21100	1	0	-	1.00	24.00	23.46	1.13	-0.19	2.58	2.92
	LTE 7	QPSK20M	Top Side	0	20850	50	0	-	1.00	23.00	22.37	1.16	-0.04	2.16	2.51
	LTE 7	QPSK20M	Top Side	0	21100	50	0	-	1.00	23.00	22.45	1.14	-0.04	2.04	2.33
	LTE 7	QPSK20M	Top Side	0	21350	1	0	-	1.00	24.00	23.74	1.06	0.16	2.76	2.93
	LTE 12	QPSK10M	Front Face	0	23095	1	0	-	1.00	24.00	23.38	1.15	0	0.323	0.37
	LTE 12	QPSK10M	Rear Face	0	23095	1	0	-	1.00	24.00	23.38	1.15	-0.03	0.227	0.26
	LTE 12	QPSK10M	Left Side	0	23095	1	0	-	1.00	24.00	23.38	1.15	-0.14	0.244	0.28
	LTE 12	QPSK10M	Right Side	0	23095	1	0	-	1.00	24.00	23.38	1.15	-0.12	0.083	0.10
	LTE 12	QPSK10M	Top Side	0	23095	1	0	-	1.00	24.00	23.38	1.15	0.08	0.405	0.47
	LTE 12	QPSK10M	Bottom Side	0	23095	1	0	-	1.00	24.00	23.38	1.15	0	<0.001	0.00
	LTE 12	QPSK10M	Front Face	0	23095	25	0	-	1.00	23.00	22.52	1.12	0.07	0.317	0.36
	LTE 12	QPSK10M	Rear Face	0	23095	25	0	-	1.00	23.00	22.52	1.12	-0.04	0.195	0.22
	LTE 12	QPSK10M	Left Side	0	23095	25	0	-	1.00	23.00	22.52	1.12	-0.12	0.202	0.23
	LTE 12	QPSK10M	Right Side	0	23095	25	0	-	1.00	23.00	22.52	1.12	0.08	0.069	0.08
	LTE 12	QPSK10M	Top Side	0	23095	25	0	-	1.00	23.00	22.52	1.12	0.02	0.338	0.38
	LTE 12	QPSK10M	Bottom Side	0	23095	25	0	-	1.00	23.00	22.52	1.12	0	<0.001	0.00
10	LTE 12	QPSK10M	Top Side	0	23060	1	0	-	1.00	24.00	23.12	1.22	-0.08	0.416	0.51
	LTE 12	QPSK10M	Top Side	0	23130	1	0	-	1.00	24.00	23.34	1.16	0.13	0.41	0.48

Extremity SAR Test Result

System & Position								SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	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 13	QPSK10M	Front Face	0	23230	1	0	-	1.00	24.00	23.45	1.14	-0.03	0.653	0.74
	LTE 13	QPSK10M	Rear Face	0	23230	1	0	-	1.00	24.00	23.45	1.14	0.07	0.595	0.68
	LTE 13	QPSK10M	Left Side	0	23230	1	0	-	1.00	24.00	23.45	1.14	-0.05	0.415	0.47
	LTE 13	QPSK10M	Right Side	0	23230	1	0	-	1.00	24.00	23.45	1.14	0.04	0.168	0.19
11	LTE 13	QPSK10M	Top Side	0	23230	1	0	-	1.00	24.00	23.45	1.14	-0.09	0.67	0.76
	LTE 13	QPSK10M	Bottom Side	0	23230	1	0	-	1.00	24.00	23.45	1.14	0	<0.001	0.00
	LTE 13	QPSK10M	Front Face	0	23230	25	0	-	1.00	23.00	22.41	1.15	-0.08	0.515	0.59
	LTE 13	QPSK10M	Rear Face	0	23230	25	0	-	1.00	23.00	22.41	1.15	0.15	0.471	0.54
	LTE 13	QPSK10M	Left Side	0	23230	25	0	-	1.00	23.00	22.41	1.15	-0.13	0.329	0.38
	LTE 13	QPSK10M	Right Side	0	23230	25	0	-	1.00	23.00	22.41	1.15	0.07	0.141	0.16
	LTE 13	QPSK10M	Top Side	0	23230	25	0	-	1.00	23.00	22.41	1.15	-0.14	0.623	0.72
	LTE 13	QPSK10M	Bottom Side	0	23230	25	0	-	1.00	23.00	22.41	1.15	0	<0.001	0.00
	LTE 25	QPSK20M	Front Face	0	26140	1	0	-	1.00	23.50	23.45	1.01	-0.09	1.25	1.26
12	LTE 25	QPSK20M	Rear Face	0	26140	1	0	-	1.00	23.50	23.45	1.01	-0.04	1.8	1.82
	LTE 25	QPSK20M	Left Side	0	26140	1	0	-	1.00	23.50	23.45	1.01	-0.04	1.58	1.60
	LTE 25	QPSK20M	Right Side	0	26140	1	0	-	1.00	23.50	23.45	1.01	0.07	0.248	0.25
	LTE 25	QPSK20M	Top Side	0	26140	1	0	-	1.00	23.50	23.45	1.01	-0.19	0.424	0.43
	LTE 25	QPSK20M	Bottom Side	0	26140	1	0	-	1.00	23.50	23.45	1.01	0	<0.001	0.00
	LTE 25	QPSK20M	Front Face	0	26140	50	0	-	1.00	22.50	22.46	1.01	0.03	1.06	1.07
	LTE 25	QPSK20M	Rear Face	0	26140	50	0	-	1.00	22.50	22.46	1.01	0.15	1.45	1.46
	LTE 25	QPSK20M	Left Side	0	26140	50	0	-	1.00	22.50	22.46	1.01	0.04	1.32	1.33
	LTE 25	QPSK20M	Right Side	0	26140	50	0	-	1.00	22.50	22.46	1.01	0.02	0.207	0.21
	LTE 25	QPSK20M	Top Side	0	26140	50	0	-	1.00	22.50	22.46	1.01	-0.04	0.364	0.37
	LTE 25	QPSK20M	Bottom Side	0	26140	50	0	-	1.00	22.50	22.46	1.01	0	<0.001	0.00
	LTE 25	QPSK20M	Rear Face	0	26365	1	0	-	1.00	23.50	23.37	1.03	-0.17	0.882	0.91
	LTE 25	QPSK20M	Rear Face	0	26590	1	0	-	1.00	23.50	22.33	1.31	0.16	1.31	1.72
	LTE 26	QPSK15M	Front Face	0	26965	1	0	-	1.00	23.50	23.28	1.05	0.04	0.995	1.04
13	LTE 26	QPSK15M	Rear Face	0	26965	1	0	-	1.00	23.50	23.28	1.05	0.11	1.09	1.14
	LTE 26	QPSK15M	Left Side	0	26965	1	0	-	1.00	23.50	23.28	1.05	0.14	0.635	0.67
	LTE 26	QPSK15M	Right Side	0	26965	1	0	-	1.00	23.50	23.28	1.05	0.06	0.294	0.31
	LTE 26	QPSK15M	Top Side	0	26965	1	0	-	1.00	23.50	23.28	1.05	-0.05	1.02	1.07
	LTE 26	QPSK15M	Bottom Side	0	26965	1	0	-	1.00	23.50	23.28	1.05	0	<0.001	0.00
	LTE 26	QPSK15M	Front Face	0	26965	36	0	-	1.00	22.50	22.47	1.01	-0.12	0.788	0.80
	LTE 26	QPSK15M	Rear Face	0	26965	36	0	-	1.00	22.50	22.47	1.01	-0.05	0.886	0.89
	LTE 26	QPSK15M	Left Side	0	26965	36	0	-	1.00	22.50	22.47	1.01	0.18	0.502	0.51
	LTE 26	QPSK15M	Right Side	0	26965	36	0	-	1.00	22.50	22.47	1.01	0.08	0.238	0.24
	LTE 26	QPSK15M	Top Side	0	26965	36	0	-	1.00	22.50	22.47	1.01	0.09	0.852	0.86
	LTE 26	QPSK15M	Bottom Side	0	26965	36	0	-	1.00	22.50	22.47	1.01	0	<0.001	0.00
	LTE 26	QPSK15M	Rear Face	0	26765	1	0	-	1.00	23.50	23.16	1.08	-0.14	0.822	0.89
	LTE 26	QPSK15M	Rear Face	0	26865	1	0	-	1.00	23.50	23.23	1.06	0.11	0.834	0.88

Extremity SAR Test Result

System & Position								SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	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 38	QPSK20M	Front Face	0	37850	1	0	-	1.00	24.50	23.47	1.27	0.01	0.868	1.10
	LTE 38	QPSK20M	Rear Face	0	37850	1	0	-	1.00	24.50	23.47	1.27	-0.04	0.58	0.74
	LTE 38	QPSK20M	Left Side	0	37850	1	0	-	1.00	24.50	23.47	1.27	-0.09	0.43	0.55
	LTE 38	QPSK20M	Right Side	0	37850	1	0	-	1.00	24.50	23.47	1.27	0.17	0.141	0.18
14	LTE 38	QPSK20M	Top Side	0	37850	1	0	-	1.00	24.50	23.47	1.27	-0.06	1.14	1.45
	LTE 38	QPSK20M	Bottom Side	0	37850	1	0	-	1.00	24.50	23.47	1.27	0	<0.001	0.00
	LTE 38	QPSK20M	Front Face	0	37850	50	0	-	1.00	23.50	22.47	1.27	-0.05	0.692	0.88
	LTE 38	QPSK20M	Rear Face	0	37850	50	0	-	1.00	23.50	22.47	1.27	-0.11	0.472	0.60
	LTE 38	QPSK20M	Left Side	0	37850	50	0	-	1.00	23.50	22.47	1.27	0.18	0.349	0.44
	LTE 38	QPSK20M	Right Side	0	37850	50	0	-	1.00	23.50	22.47	1.27	-0.05	0.117	0.15
	LTE 38	QPSK20M	Top Side	0	37850	50	0	-	1.00	23.50	22.47	1.27	0.06	0.922	1.17
	LTE 38	QPSK20M	Bottom Side	0	37850	50	0	-	1.00	23.50	22.47	1.27	0	<0.001	0.00
	LTE 38	QPSK20M	Top Side	0	38000	1	0	-	1.00	24.50	23.33	1.31	0.09	1.09	1.43
	LTE 38	QPSK20M	Top Side	0	38150	1	0	-	1.00	24.50	23.39	1.29	-0.07	1.08	1.39
	LTE 41	QPSK20M	Front Face	0	41490	1	0	-	1.00	24.00	23.72	1.07	-0.04	1.72	1.84
	LTE 41	QPSK20M	Rear Face	0	41490	1	0	-	1.00	24.00	23.72	1.07	-0.16	1.22	1.31
	LTE 41	QPSK20M	Left Side	0	41490	1	0	-	1.00	24.00	23.72	1.07	-0.17	0.939	1.00
	LTE 41	QPSK20M	Right Side	0	41490	1	0	-	1.00	24.00	23.72	1.07	-0.06	0.224	0.24
15	LTE 41	QPSK20M	Top Side	0	41490	1	0	-	1.00	24.00	23.72	1.07	-0.02	1.94	2.08
	LTE 41	QPSK20M	Bottom Side	0	41490	1	0	-	1.00	24.00	23.72	1.07	0	<0.001	0.00
	LTE 41	QPSK20M	Front Face	0	41490	50	0	-	1.00	23.00	22.84	1.04	0.19	1.51	1.57
	LTE 41	QPSK20M	Rear Face	0	41490	50	0	-	1.00	23.00	22.84	1.04	-0.15	0.988	1.03
	LTE 41	QPSK20M	Left Side	0	41490	50	0	-	1.00	23.00	22.84	1.04	0.08	0.764	0.79
	LTE 41	QPSK20M	Right Side	0	41490	50	0	-	1.00	23.00	22.84	1.04	0.18	0.183	0.19
	LTE 41	QPSK20M	Top Side	0	41490	50	0	-	1.00	23.00	22.84	1.04	-0.1	1.58	1.64
	LTE 41	QPSK20M	Bottom Side	0	41490	50	0	-	1.00	23.00	22.84	1.04	0	<0.001	0.00
	LTE 41	QPSK20M	Top Side	0	41490	100	0	-	1.00	23.00	22.75	1.06	-0.02	1.55	1.64
	LTE 41	QPSK20M	Top Side	0	39750	1	0	-	1.00	24.00	22.95	1.27	0.01	1.51	1.92
	LTE 41	QPSK20M	Top Side	0	40185	1	0	-	1.00	24.00	23.38	1.15	-0.02	1.67	1.92
	LTE 41	QPSK20M	Top Side	0	40620	1	0	-	1.00	24.00	23.41	1.15	0.04	1.74	2.00
	LTE 41	QPSK20M	Top Side	0	41055	1	0	-	1.00	24.00	23.59	1.10	0.04	1.74	1.91
	WLAN2.4G	802.11b	Front Face	0	6			98.85	1.01	17.00	16.95	1.01	-0.09	0.103	0.11
	WLAN2.4G	802.11b	Rear Face	0	6			98.85	1.01	17.00	16.95	1.01	0.18	1.1	1.12
	WLAN2.4G	802.11b	Left Side	0	6			98.85	1.01	17.00	16.95	1.01	0.07	0.041	0.04
	WLAN2.4G	802.11b	Right Side	0	6			98.85	1.01	17.00	16.95	1.01	0.07	0.033	0.03
	WLAN2.4G	802.11b	Top Side	0	6			98.85	1.01	17.00	16.95	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Bottom Side	0	6			98.85	1.01	17.00	16.95	1.01	0.01	0.778	0.79
16	WLAN2.4G	802.11b	Rear Face	0	1			98.85	1.01	16.00	15.92	1.02	-0.17	1.38	1.42
	WLAN2.4G	802.11b	Rear Face	0	11			98.85	1.01	16.50	16.16	1.08	-0.09	0.803	0.88

Extremity SAR Test Result

System & Position								SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	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)
	WLAN5.3G	802.11a	Front Face	0	60			89.17	1.12	13.50	13.12	1.09	-0.14	0.038	0.05
	WLAN5.3G	802.11a	Rear Face	0	60			89.17	1.12	13.50	13.12	1.09	-0.14	0.662	0.81
	WLAN5.3G	802.11a	Left Side	0	60			89.17	1.12	13.50	13.12	1.09	-0.01	0.02	0.02
	WLAN5.3G	802.11a	Right Side	0	60			89.17	1.12	13.50	13.12	1.09	0.07	0.036	0.04
	WLAN5.3G	802.11a	Top Side	0	60			89.17	1.12	13.50	13.12	1.09	0	<0.001	0.00
	WLAN5.3G	802.11a	Bottom Side	0	60			89.17	1.12	13.50	13.12	1.09	0.01	0.687	0.84
17	WLAN5.3G	802.11a	Bottom Side	0	52			89.17	1.12	13.00	12.68	1.08	-0.02	0.702	0.85
	WLAN5.3G	802.11a	Bottom Side	0	56			89.17	1.12	13.00	12.62	1.09	-0.04	0.624	0.76
	WLAN5.3G	802.11a	Bottom Side	0	64			89.17	1.12	13.50	13.03	1.11	0.04	0.618	0.77
	WLAN5.6G	802.11n HT40	Front Face	0	110			89.37	1.12	13.00	12.53	1.11	-0.1	0.037	0.05
	WLAN5.6G	802.11n HT40	Rear Face	0	110			89.37	1.12	13.00	12.53	1.11	0.05	0.496	0.62
	WLAN5.6G	802.11n HT40	Left Side	0	110			89.37	1.12	13.00	12.53	1.11	-0.09	0.02	0.02
	WLAN5.6G	802.11n HT40	Right Side	0	110			89.37	1.12	13.00	12.53	1.11	0.07	0.042	0.05
	WLAN5.6G	802.11n HT40	Top Side	0	110			89.37	1.12	13.00	12.53	1.11	0	<0.001	0.00
18	WLAN5.6G	802.11n HT40	Bottom Side	0	110			89.37	1.12	13.00	12.53	1.11	0.07	0.524	0.65
	WLAN5.6G	802.11n HT40	Bottom Side	0	102			89.37	1.12	12.50	12.03	1.11	-0.01	0.513	0.64
	WLAN5.6G	802.11n HT40	Bottom Side	0	118			89.37	1.12	12.50	12.42	1.02	-0.04	0.504	0.58
	WLAN5.6G	802.11n HT40	Bottom Side	0	126			89.37	1.12	12.50	12.37	1.03	-0.11	0.492	0.57
	WLAN5.6G	802.11n HT40	Bottom Side	0	134			89.37	1.12	12.50	12.47	1.01	-0.09	0.486	0.55
	WLAN5.8G	802.11a	Front Face	0	157			89.17	1.12	13.50	13.12	1.09	0.15	0.028	0.03
	WLAN5.8G	802.11a	Rear Face	0	157			89.17	1.12	13.50	13.12	1.09	-0.16	0.303	0.37
	WLAN5.8G	802.11a	Left Side	0	157			89.17	1.12	13.50	13.12	1.09	0.07	0.029	0.04
	WLAN5.8G	802.11a	Right Side	0	157			89.17	1.12	13.50	13.12	1.09	0.07	0.028	0.03
	WLAN5.8G	802.11a	Top Side	0	157			89.17	1.12	13.50	13.12	1.09	0	<0.001	0.00
	WLAN5.8G	802.11a	Bottom Side	0	157			89.17	1.12	13.50	13.12	1.09	0.01	0.328	0.40
19	WLAN5.8G	802.11a	Bottom Side	0	149			89.17	1.12	13.50	13.11	1.09	-0.1	0.39	0.48
	WLAN5.8G	802.11a	Bottom Side	0	153			89.17	1.12	13.50	13.03	1.11	-0.04	0.34	0.42
	WLAN5.8G	802.11a	Bottom Side	0	161			89.17	1.12	13.50	13.08	1.10	0.03	0.287	0.35
	WLAN5.8G	802.11a	Bottom Side	0	165			89.17	1.12	13.50	13.02	1.12	0.15	0.258	0.32
	BT	BDR	Front Face	0	0			61.29	1.63	8.80	8.43	1.09	0	<0.001	0.00
20	BT	BDR	Rear Face	0	0			61.29	1.63	8.80	8.43	1.09	-0.06	0.04	0.07
	BT	BDR	Left Side	0	0			61.29	1.63	8.80	8.43	1.09	0	<0.001	0.00
	BT	BDR	Right Side	0	0			61.29	1.63	8.80	8.43	1.09	0	<0.001	0.00
	BT	BDR	Top Side	0	0			61.29	1.63	8.80	8.43	1.09	0	<0.001	0.00
	BT	BDR	Bottom Side	0	0			61.29	1.63	8.80	8.43	1.09	-0.06	0.032	0.06
	BT	BDR	Rear Face	0	39			61.29	1.63	8.50	8.29	1.05	0.13	0.029	0.05
	BT	BDR	Rear Face	0	78			61.29	1.63	8.00	7.56	1.11	0.08	0.034	0.06

Annex G. SAR Measurement Variability

Since all the measured SAR10g are less than 2.0 W/kg, the repeated measurement is not required.

Repeat SAR							
Plot	Band	Mode	Test Position	Ch.	Original Measured SAR-10g (W/kg)	1st Repeated SAR-10g (W/kg)	L/S Ratio
R09	LTE 7	QPSK20M	Top Side	21350	2.82	2.76	1.02

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	Limb Exposure Condition
A	WWAN + BT	Yes

Simultaneous Transmission SAR Evaluation (Body)				
Band	Position	1	2	A(1+2)
		Max WWAN	BT Ant 0	Summimg result 10g SAR W/kg
		10g SAR W/kg	10g SAR W/kg	
GSM850	Front Face	0.74	0.00	0.74
	Rear Face	0.92	0.07	0.99
	Left Side	0.59	0.00	0.59
	Right Side	0.25	0.00	0.25
	Top Side	0.84	0.00	0.84
	Bottom Side	0.00	0.06	0.06
GSM1900	Front Face	0.87	0.00	0.87
	Rear Face	1.08	0.07	1.15
	Left Side	1.04	0.00	1.04
	Right Side	0.19	0.00	0.19
	Top Side	0.28	0.00	0.28
	Bottom Side	0.00	0.06	0.06
WCDMA II	Front Face	1.06	0.00	1.06
	Rear Face	1.54	0.07	1.61
	Left Side	1.36	0.00	1.36
	Right Side	0.19	0.00	0.19
	Top Side	0.28	0.00	0.28
	Bottom Side	0.00	0.06	0.06
WCDMA IV	Front Face	1.02	0.00	1.02
	Rear Face	1.39	0.07	1.46
	Left Side	0.95	0.00	0.95
	Right Side	0.31	0.00	0.31
	Top Side	0.51	0.00	0.51
	Bottom Side	0.00	0.06	0.06
WCDMA V	Front Face	1.06	0.00	1.06
	Rear Face	1.26	0.07	1.33
	Left Side	0.24	0.00	0.24
	Right Side	0.16	0.00	0.16
	Top Side	0.76	0.00	0.76
	Bottom Side	0.00	0.06	0.06
LTE 2	Front Face	1.21	0.00	1.21
	Rear Face	1.91	0.07	1.98
	Left Side	1.44	0.00	1.44
	Right Side	0.22	0.00	0.22
	Top Side	0.35	0.00	0.35
	Bottom Side	0.00	0.06	0.06

Simultaneous Transmission SAR Evaluation (Body)				
Band	Position	1	2	A(1+2)
		Max WWAN	BT Ant 0	Summimg result 10g SAR W/kg
		10g SAR W/kg	10g SAR W/kg	
LTE 4	Front Face	0.94	0.00	0.94
	Rear Face	1.23	0.07	1.30
	Left Side	0.94	0.00	0.94
	Right Side	0.30	0.00	0.30
	Top Side	0.53	0.00	0.53
	Bottom Side	0.00	0.06	0.06
LTE 5	Front Face	1.18	0.00	1.18
	Rear Face	1.30	0.07	1.37
	Left Side	0.74	0.00	0.74
	Right Side	0.33	0.00	0.33
	Top Side	1.12	0.00	1.12
	Bottom Side	0.00	0.06	0.06
LTE 7	Front Face	2.37	0.00	2.37
	Rear Face	1.57	0.07	1.64
	Left Side	1.12	0.00	1.12
	Right Side	0.37	0.00	0.37
	Top Side	2.99	0.00	2.99
	Bottom Side	0.00	0.06	0.06
LTE 12	Front Face	0.37	0.00	0.37
	Rear Face	0.26	0.07	0.33
	Left Side	0.28	0.00	0.28
	Right Side	0.10	0.00	0.10
	Top Side	0.51	0.00	0.51
	Bottom Side	0.00	0.06	0.06
LTE 13	Front Face	0.74	0.00	0.74
	Rear Face	0.68	0.07	0.75
	Left Side	0.47	0.00	0.47
	Right Side	0.19	0.00	0.19
	Top Side	0.76	0.00	0.76
	Bottom Side	0.00	0.06	0.06
LTE 25	Front Face	1.26	0.00	1.26
	Rear Face	1.82	0.07	1.89
	Left Side	1.60	0.00	1.60
	Right Side	0.25	0.00	0.25
	Top Side	0.43	0.00	0.43
	Bottom Side	0.00	0.06	0.06

Simultaneous Transmission SAR Evaluation (Body)				
Band	Position	1	2	A(1+2)
		Max WWAN	BT Ant 0	Summimg result 10g SAR W/kg
		10g SAR W/kg	10g SAR W/kg	
LTE 26	Front Face	1.04	0.00	1.04
	Rear Face	1.14	0.07	1.21
	Left Side	0.67	0.00	0.67
	Right Side	0.31	0.00	0.31
	Top Side	1.07	0.00	1.07
	Bottom Side	0.00	0.06	0.06
LTE 38	Front Face	1.10	0.00	1.10
	Rear Face	0.74	0.07	0.81
	Left Side	0.55	0.00	0.55
	Right Side	0.18	0.00	0.18
	Top Side	1.45	0.00	1.45
	Bottom Side	0.00	0.06	0.06
LTE 41	Front Face	1.84	0.00	1.84
	Rear Face	1.31	0.07	1.38
	Left Side	1.00	0.00	1.00
	Right Side	0.24	0.00	0.24
	Top Side	2.08	0.00	2.08
	Bottom Side	0.00	0.06	0.06

Annex I. SAR to Peak Location Separation Ratio Analysis.

Since sum of simultaneous transmission SAR is less than the SAR limit for Body / Head : SAR_{1g} 1.6 W/kg ; Extremity SAR_{10g} 4.0 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	D2600V2	1020	Aug. 17, 2021	1 Year
System Validation Dipole	SPEAG	D5GHzV2	1019	Mar. 19, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3971	Jan. 25, 2022	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7537	Apr. 26, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3650	Mar. 26, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	861	Apr. 14, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1277	Jan. 19, 2022	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1585	Apr. 15, 2021	1 Year
Spectrum Analyzer	R&S	FSL6	102006	Apr. 06, 2021	1 Year
Universal Wireless Test Set	Anritsu	MT8870A/MU887000A	6201699387	Sep. 22, 2021	1 Year
Thermometer	YFE	YF-160A	191100743	Apr. 12, 2021	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

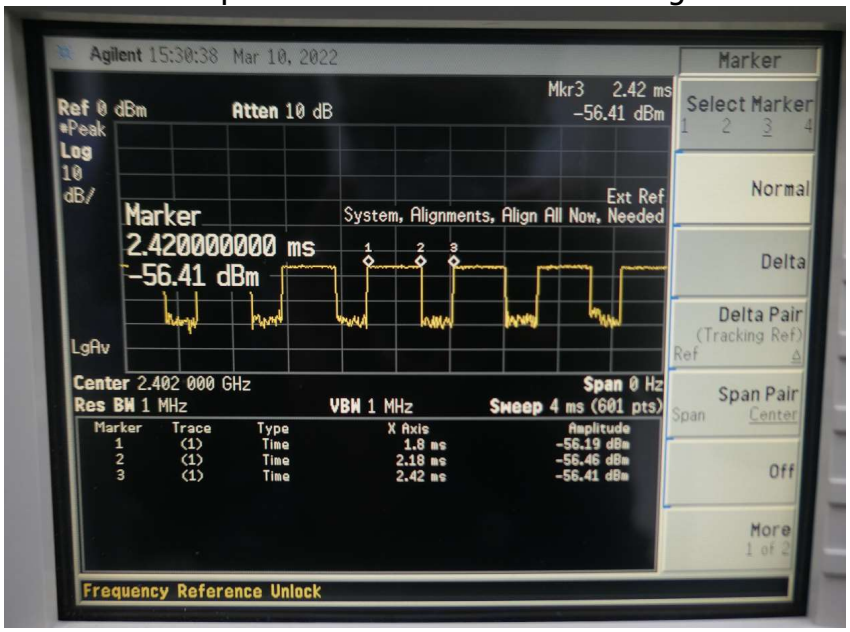
Annex K. Considerations Related to Bluetooth for Setup and Testing

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.
Duty Factor = Pulse Width / Total Period = (2.18 - 1.8) / (2.42 - 1.8) = 61.29%