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: 2022/6/30

S01 System Check_H835_220630

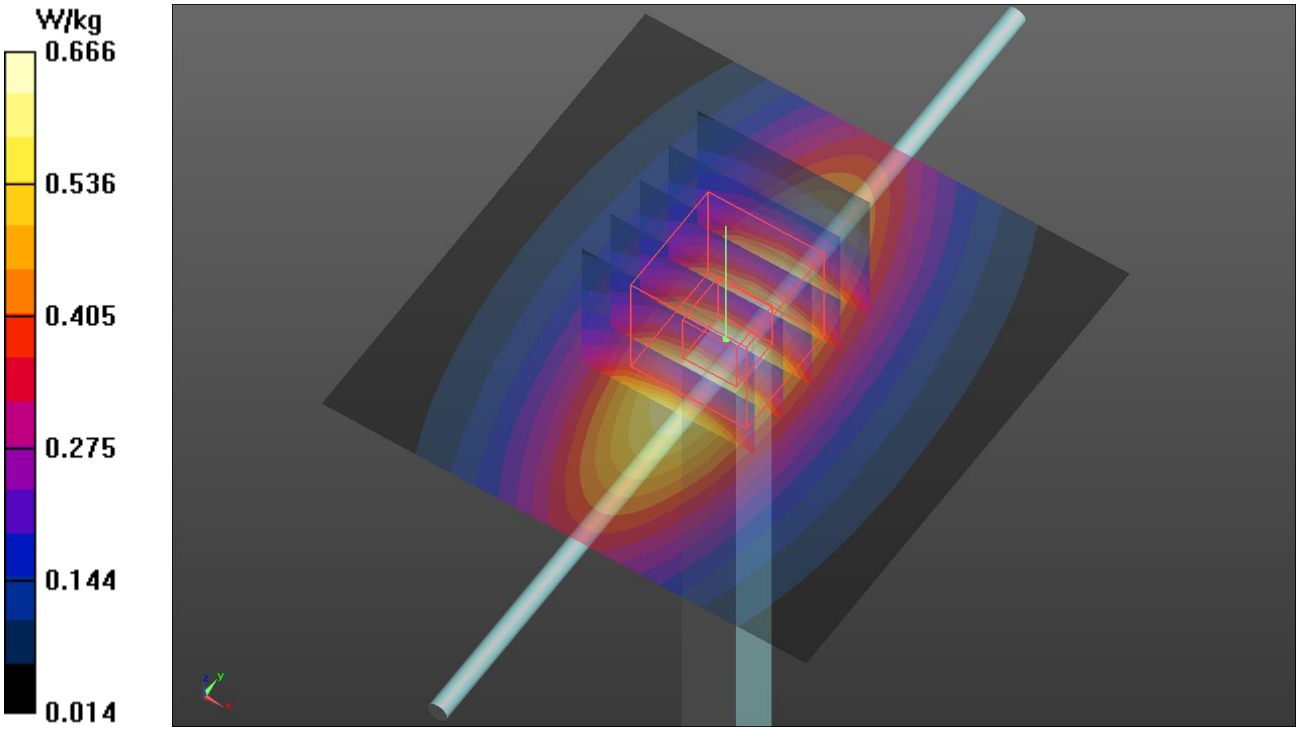
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_0630 Medium parameters used: f = 835 MHz; σ = 0.914 S/m; ε_r = 43.047; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(9.92, 9.92, 9.92) @ 835 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- Phantom: ELI Phantom_2105; Type: QD OVA 004 Ax;
- 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) = 0.666 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.36 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.751 W/kg
SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.323 W/kg
Maximum value of SAR (measured) = 0.663 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/06/30

S02 System Check_H1900_220630

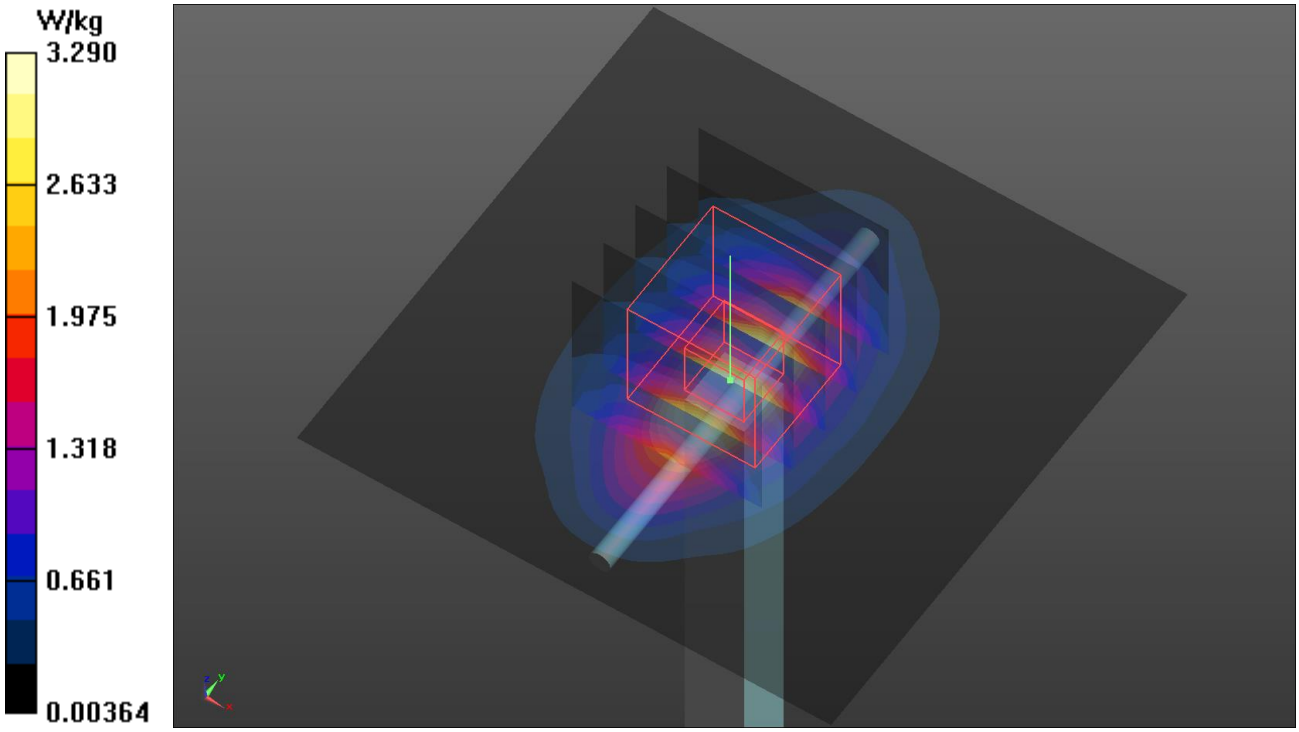
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H16T20N2_0630 Medium parameters used: f = 1900 MHz; σ = 1.463 S/m; ε_r = 41.25; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.17, 8.17, 8.17) @ 1900 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- Phantom: ELI Phantom_2105; Type: QD OVA 004 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.29 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.68 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 4.01 W/kg
SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.07 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.32 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/6

S03 System Check_H1900_220606

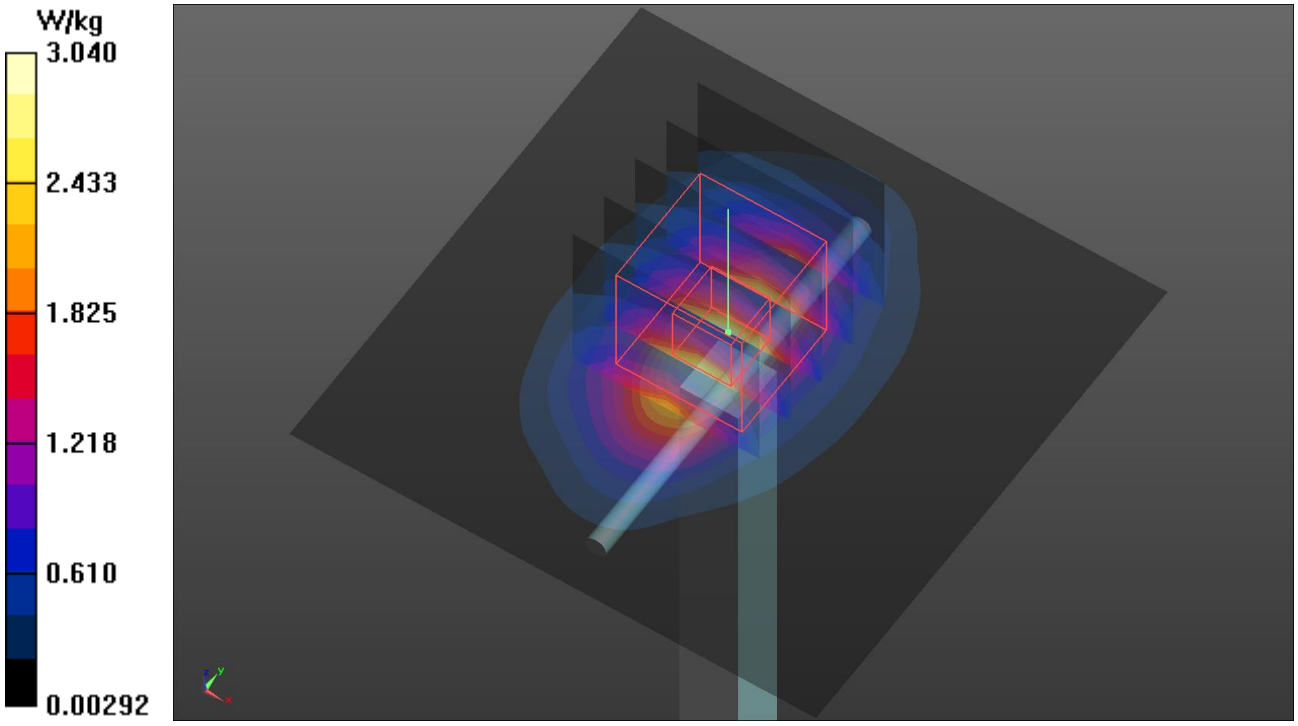
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H16T20N1_0606 Medium parameters used: f = 1900 MHz; σ = 1.463 S/m; ε_r = 38.84; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1900 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.04 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.11 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.62 W/kg
SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.04 W/kg
Maximum value of SAR (measured) = 3.04 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/30

S04 System Check_H1750_220630

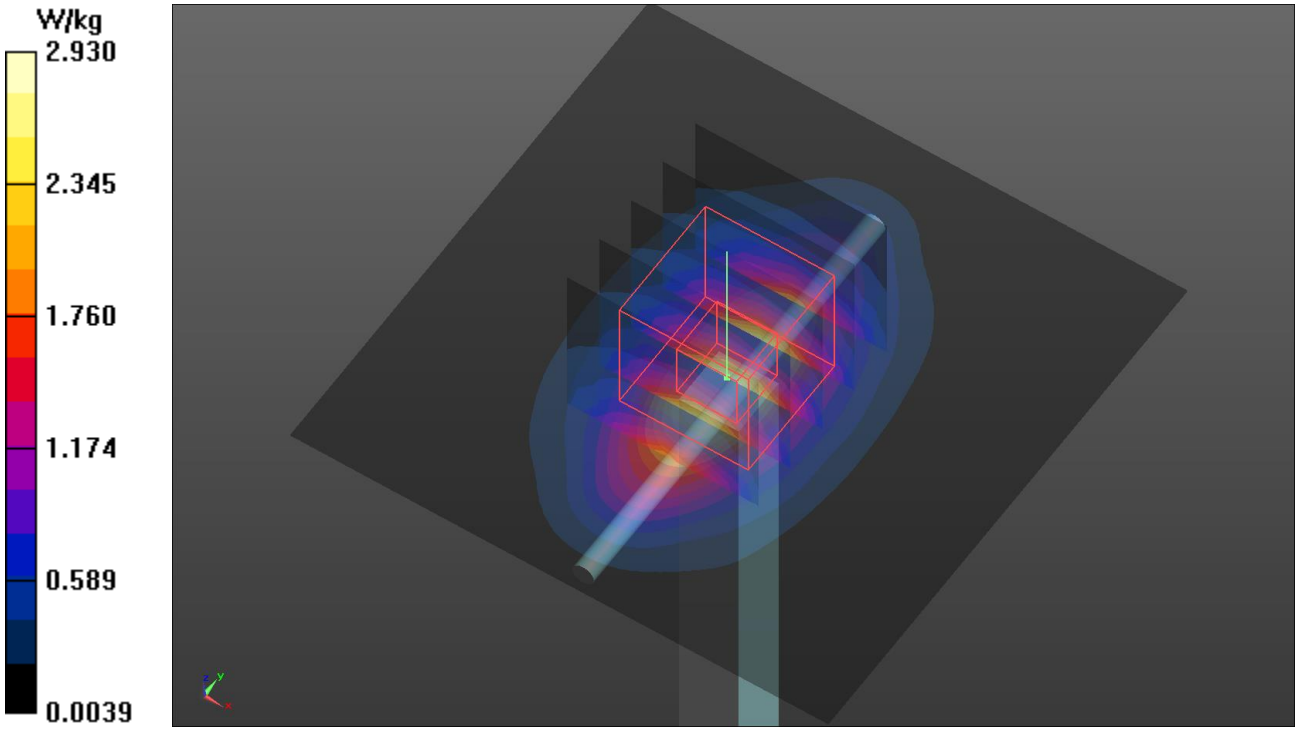
DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: UID 0, CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: H16T20N2_0630 Medium parameters used: f = 1750 MHz; σ = 1.374 S/m; ε_r = 41.484; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.54, 8.54, 8.54) @ 1750 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- Phantom: ELI Phantom_2105; Type: QD OVA 004 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.93 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.12 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.48 W/kg
SAR(1 g) = 1.86 W/kg; SAR(10 g) = 0.984 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.91 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/7

S05 System Check_H835_220607

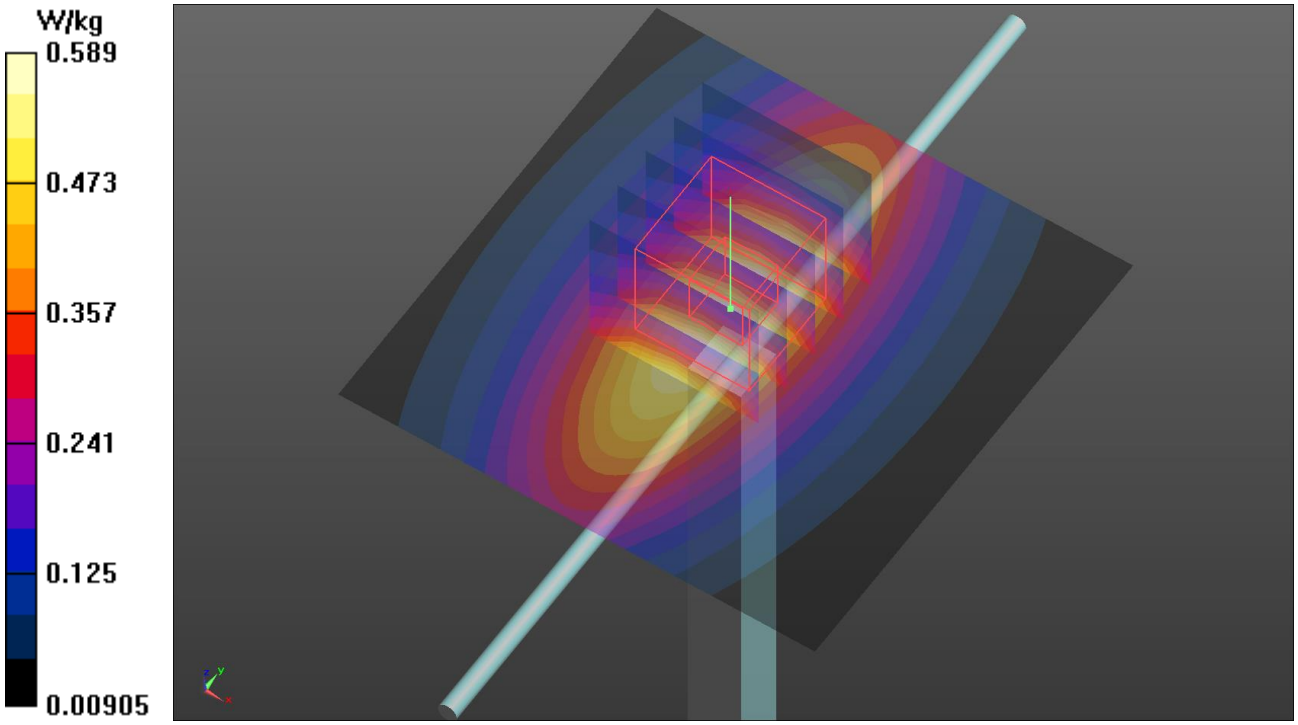
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_0607 Medium parameters used: f = 835 MHz; σ = 0.934 S/m; ε_r = 40.425; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 835 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- 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) = 0.589 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.96 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.660 W/kg
SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.286 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.587 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/7

S08 System Check_H835_220607

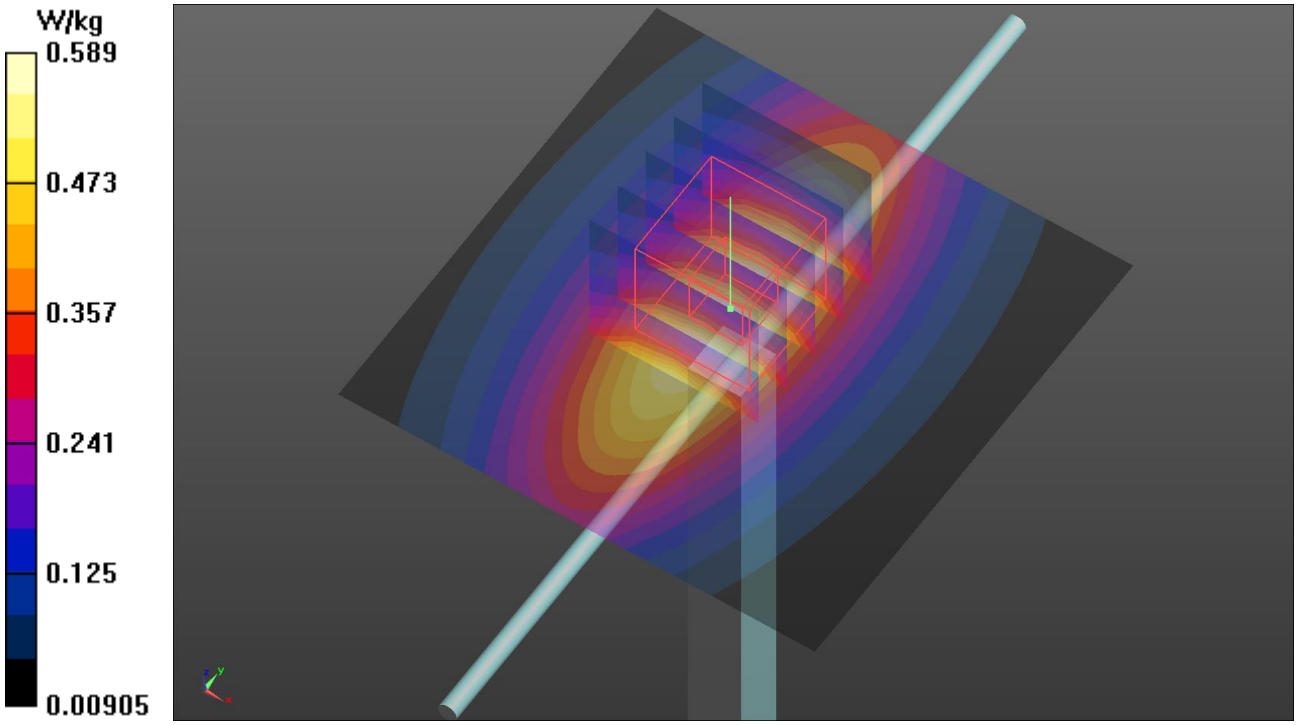
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_0607 Medium parameters used: f = 835 MHz; σ = 0.934 S/m; ε_r = 40.425; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 835 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- 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) = 0.589 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.96 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.660 W/kg
SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.286 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.587 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/7

S09 System Check_H2600_220607

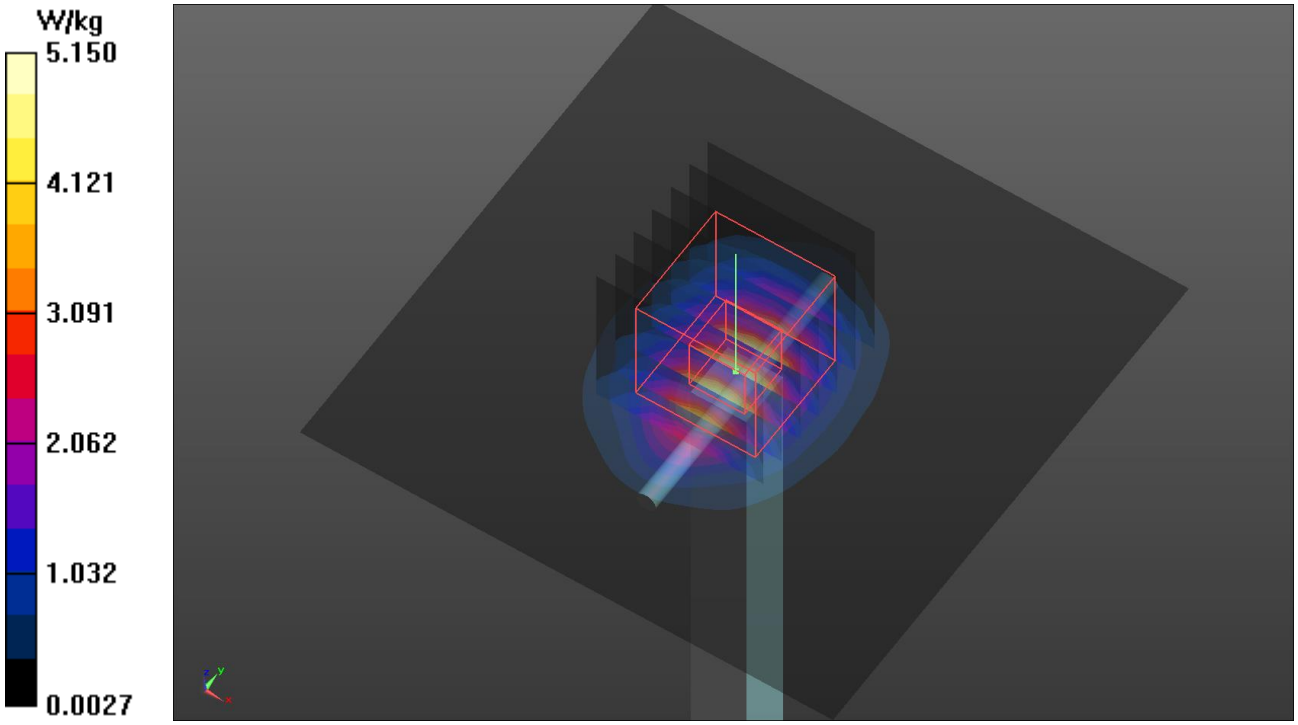
DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1020

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: H19T27N1_0607 Medium parameters used: f = 2600 MHz; σ = 1.917 S/m; ε_r = 37.83; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(7.73, 7.73, 7.73) @ 2600 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- 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) = 5.15 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.28 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 6.51 W/kg
SAR(1 g) = 2.94 W/kg; SAR(10 g) = 1.31 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.10 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/8

S10 System Check_H750_220608

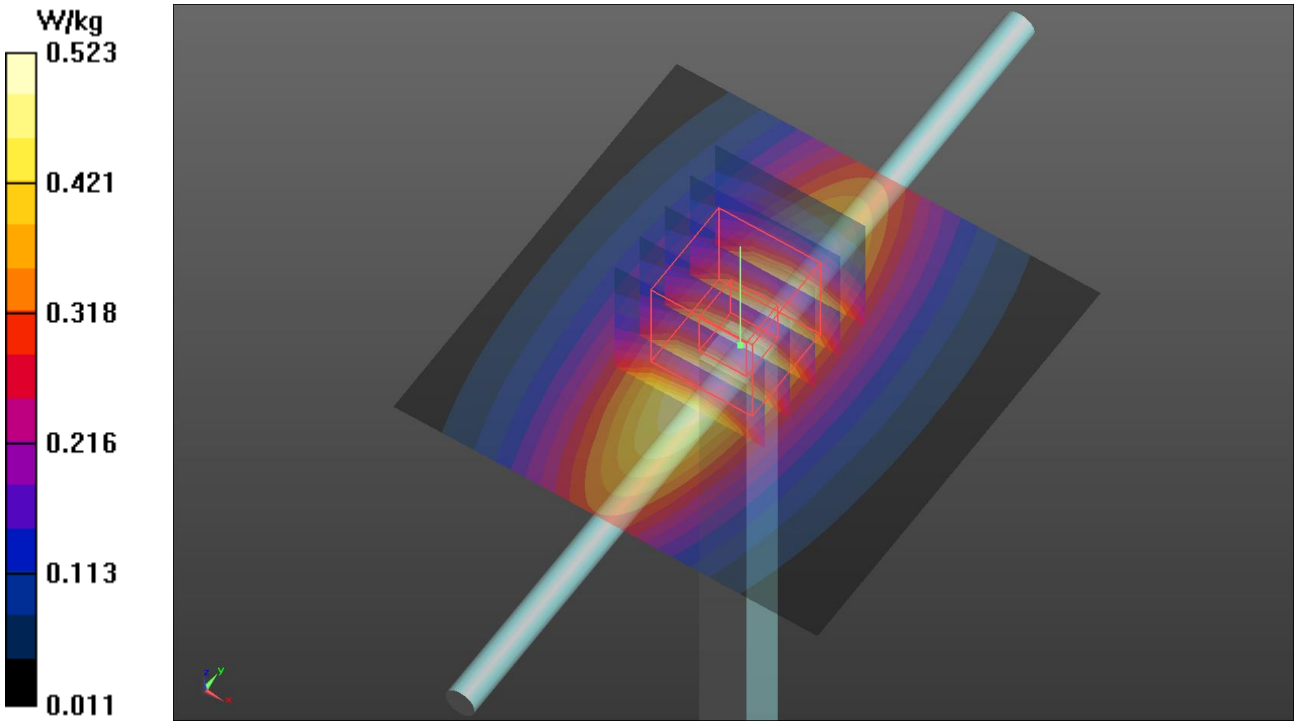
DUT: Dipole 750 MHz D750V3

Communication System: UID 0, CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: H06T09N1_0608 Medium parameters used: f = 750 MHz; σ = 0.902 S/m; ε_r = 41.57; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- 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) = 0.523 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.39 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.588 W/kg
SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.261 W/kg
Maximum value of SAR (measured) = 0.527 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/8

S11 System Check_H750_220608

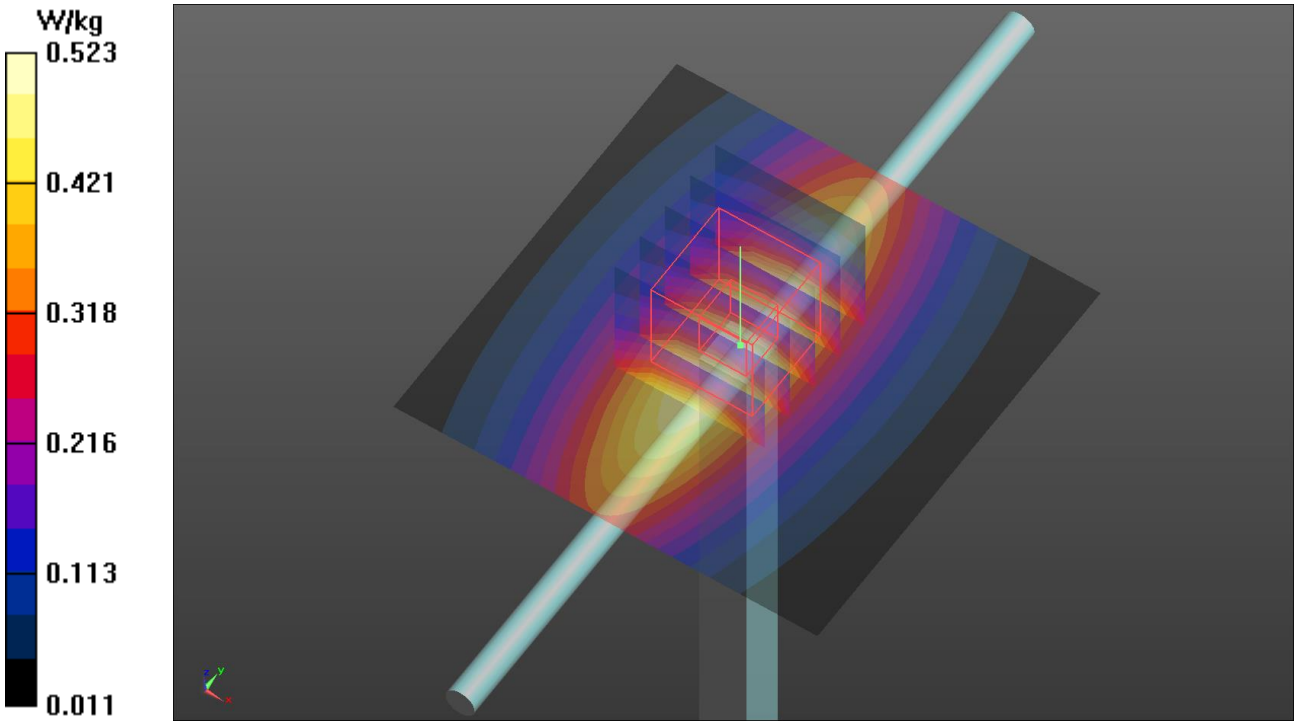
DUT: Dipole 750 MHz D750V3

Communication System: UID 0, CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: H06T09N1_0608 Medium parameters used: f = 750 MHz; σ = 0.902 S/m; ε_r = 41.57; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- 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) = 0.523 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.39 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.588 W/kg
SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.261 W/kg
Maximum value of SAR (measured) = 0.527 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/6

S13 System Check_H1900_220606

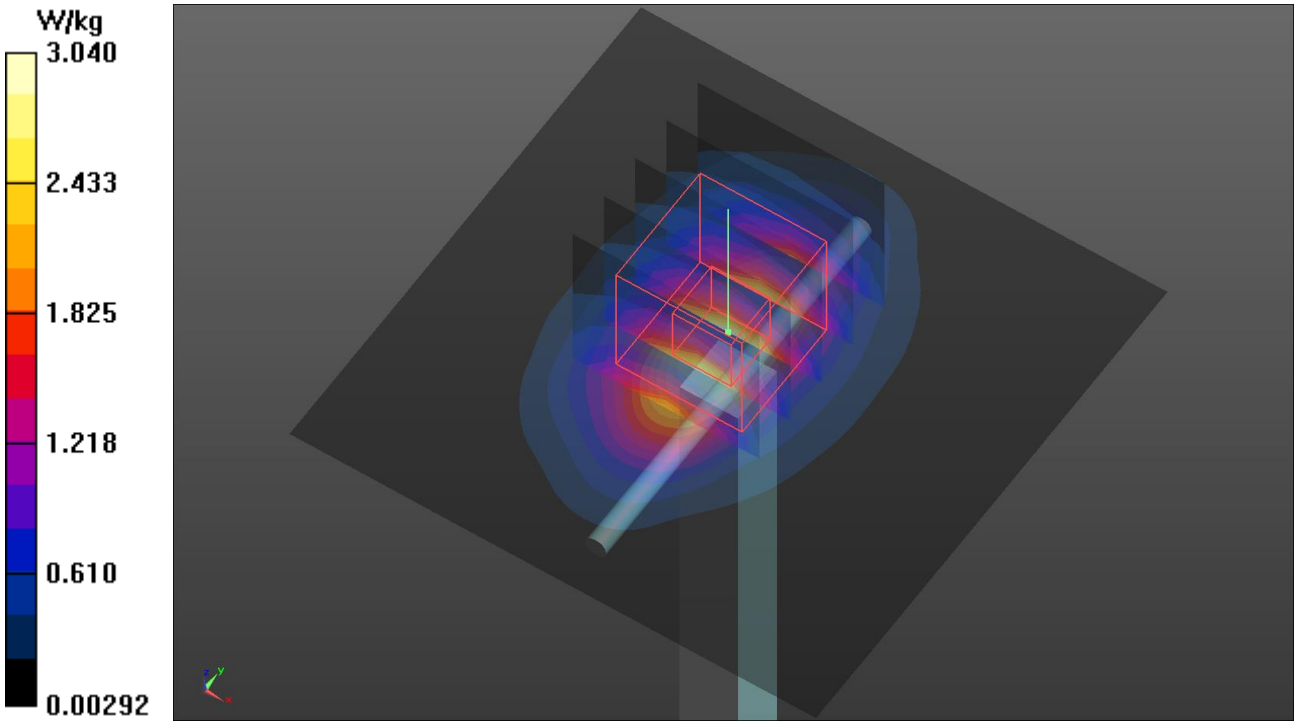
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: UID 0, CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H16T20N1_0606 Medium parameters used: f = 1900 MHz; σ = 1.463 S/m; ε_r = 38.84; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1900 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.04 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.11 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.62 W/kg
SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.04 W/kg
Maximum value of SAR (measured) = 3.04 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/7

S15 System Check_H835_220607

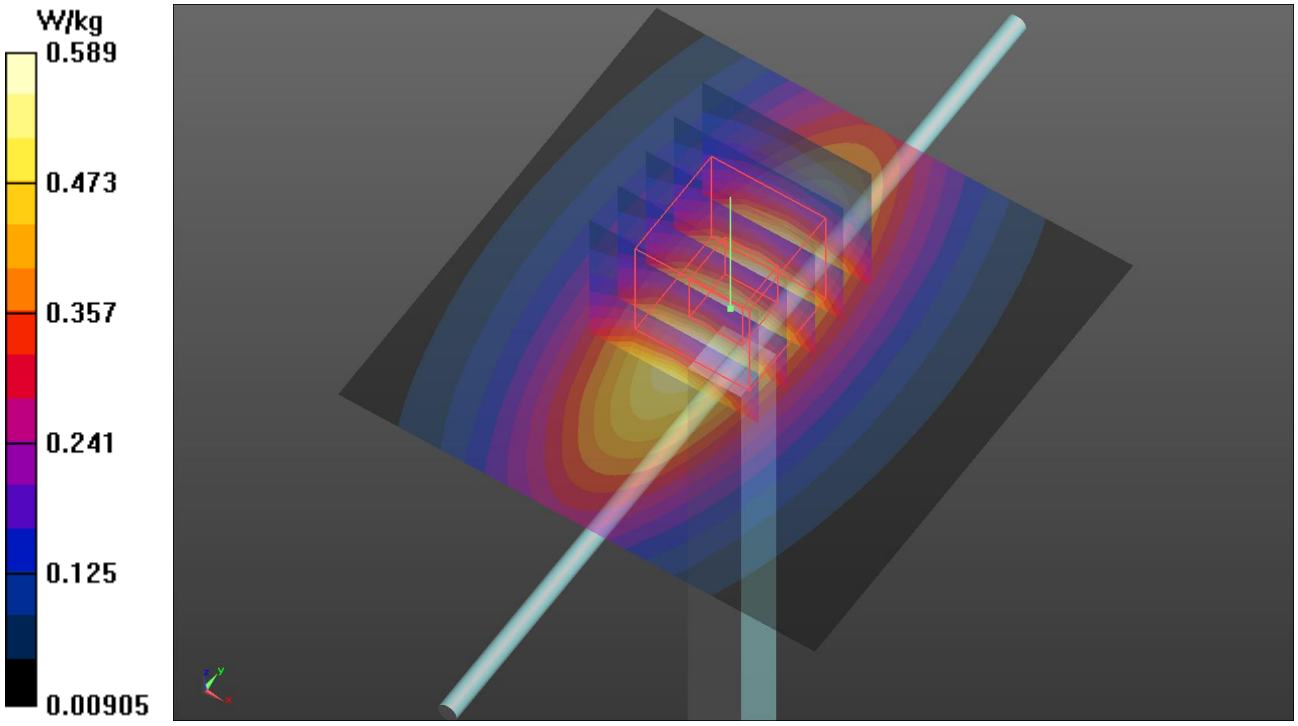
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_0607 Medium parameters used: f = 835 MHz; σ = 0.934 S/m; ε_r = 40.425; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 835 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- 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) = 0.589 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.96 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.660 W/kg
SAR(1 g) = 0.450 W/kg; SAR(10 g) = 0.286 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.587 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/6

S16 System Check_H1750_220606

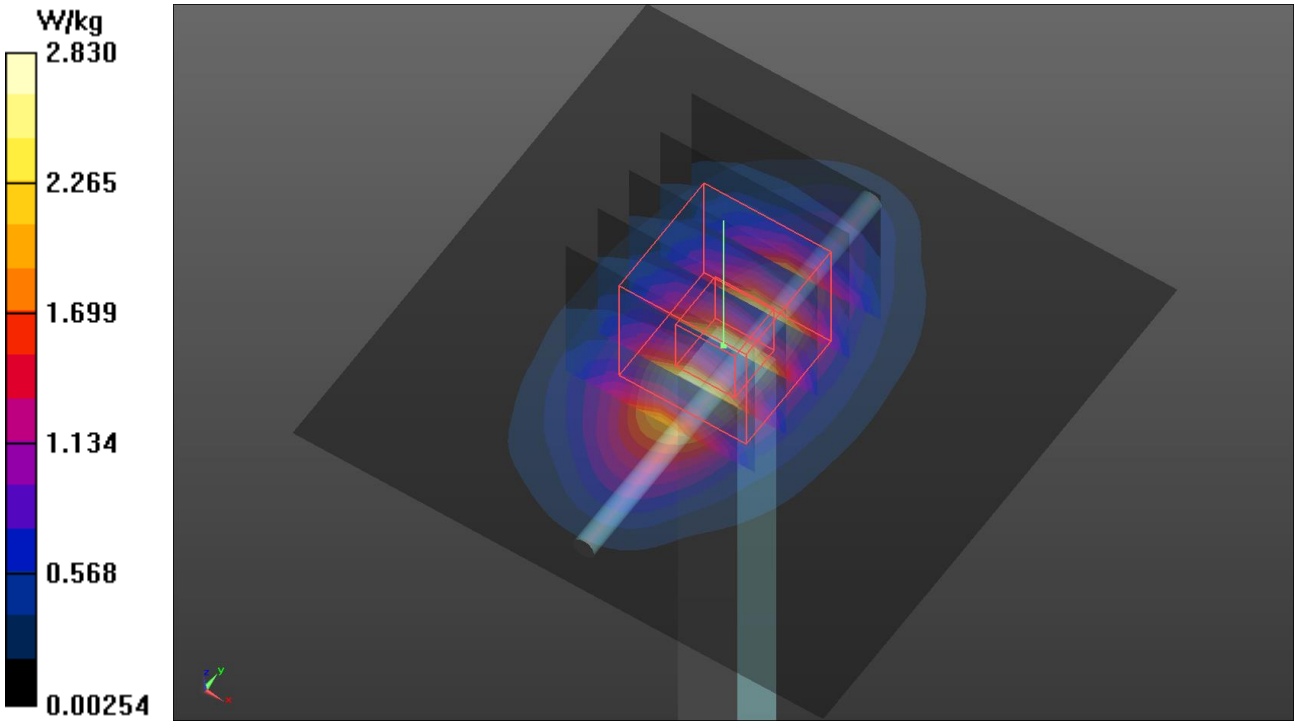
DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: UID 0, CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: H16T20N1_0606 Medium parameters used: f = 1750 MHz; σ = 1.371 S/m; ε_r = 39.111; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.72, 8.72, 8.72) @ 1750 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=50mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.83 W/kg

Pin=50mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 46.06 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.42 W/kg
SAR(1 g) = 1.85 W/kg; SAR(10 g) = 0.982 W/kg
Maximum value of SAR (measured) = 2.86 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/20

S17 System Check_H2450_220720

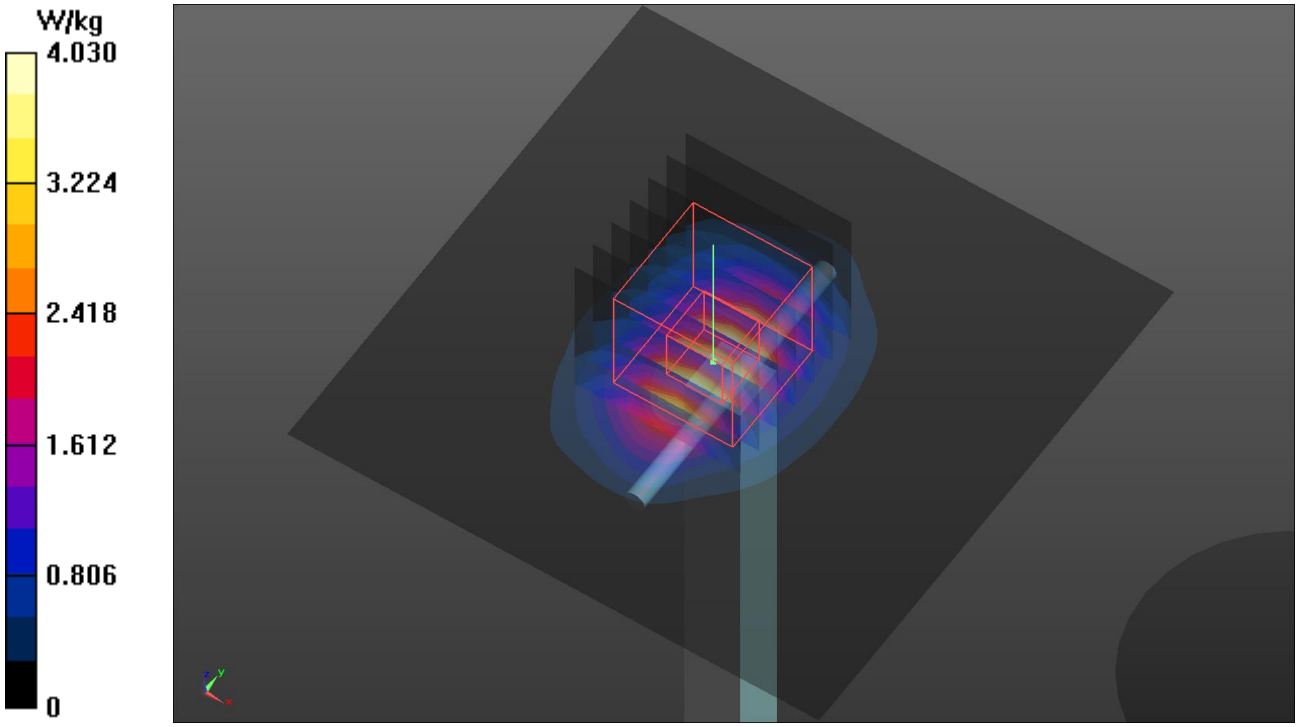
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H19T27N1_0720 Medium parameters used (interpolated): f = 2450 MHz; σ = 1.827 S/m; ε_r = 38.941; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2450 MHz; Calibrated: 2022/01/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2022/01/19
- Phantom: Twin SAM Phantom_1885; Type: QD000P40CD; Serial:
- 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) = 4.03 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 47.96 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 5.06 W/kg
SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.07 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/20

S18 System Check_H5250_220720

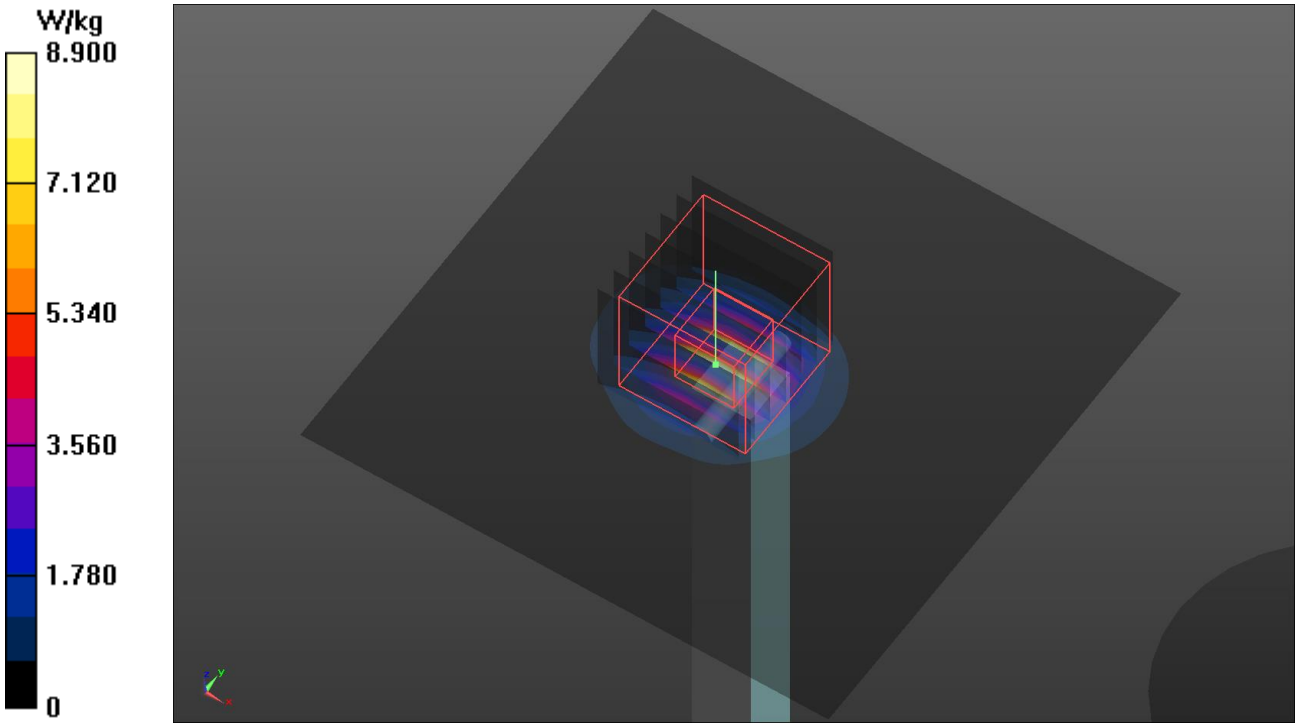
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: H34T60N1_0720 Medium parameters used (interpolated): f = 5250 MHz; σ = 4.836 S/m; ε_r = 35.132; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(5.1, 5.1, 5.1) @ 5250 MHz; Calibrated: 2022/01/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2022/01/19
- Phantom: Twin SAM Phantom_1885; Type: QD000P40CD; Serial:
- 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) = 8.90 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.55 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 15.5 W/kg
SAR(1 g) = 3.98 W/kg; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.60 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/07/20

S19 System Check_H5750_220720

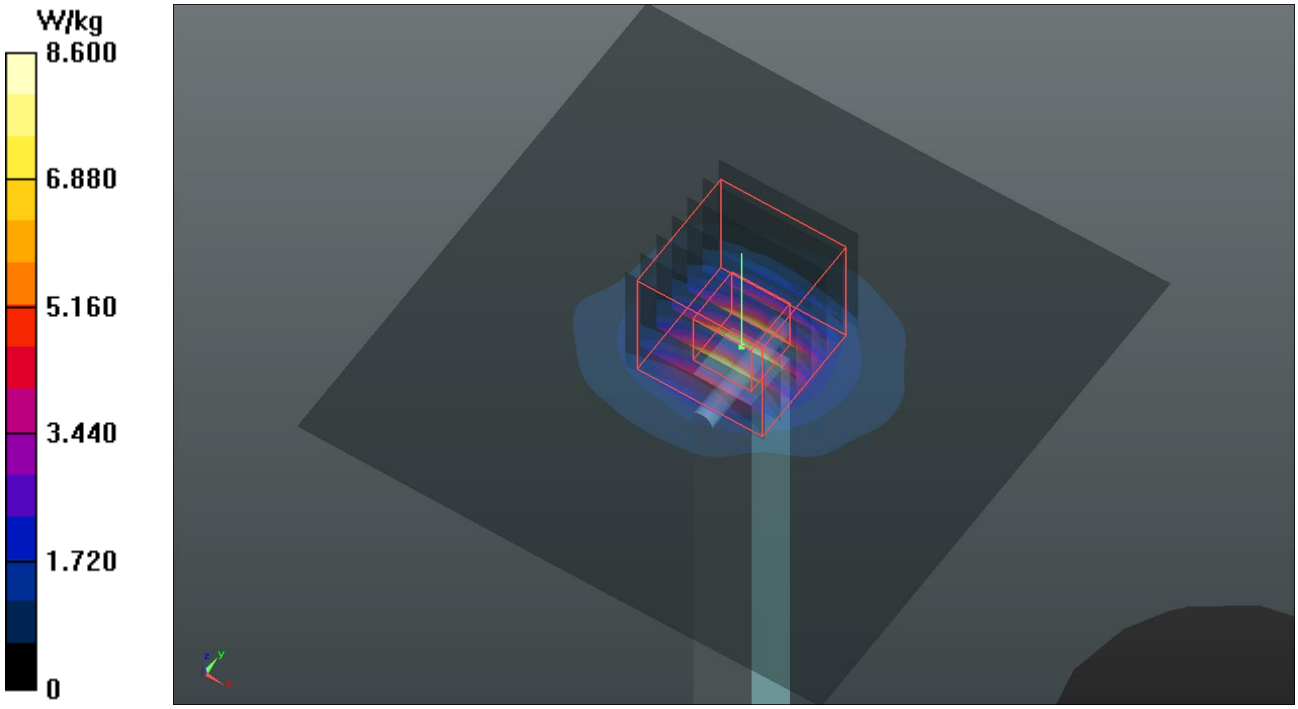
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: UID 0, CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H34T60N1_0720 Medium parameters used: f = 5750 MHz; σ = 5.304 S/m; ε_r = 34.389; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(4.85, 4.85, 4.85) @ 5750 MHz; Calibrated: 2022/01/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2022/01/19
- Phantom: Twin SAM Phantom_1885; Type: QD000P40CD; Serial:
- 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) = 8.60 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 46.71 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 16.9 W/kg
SAR(1 g) = 4.11 W/kg; SAR(10 g) = 1.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.2 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/20

S20 System Check_H2450_220720

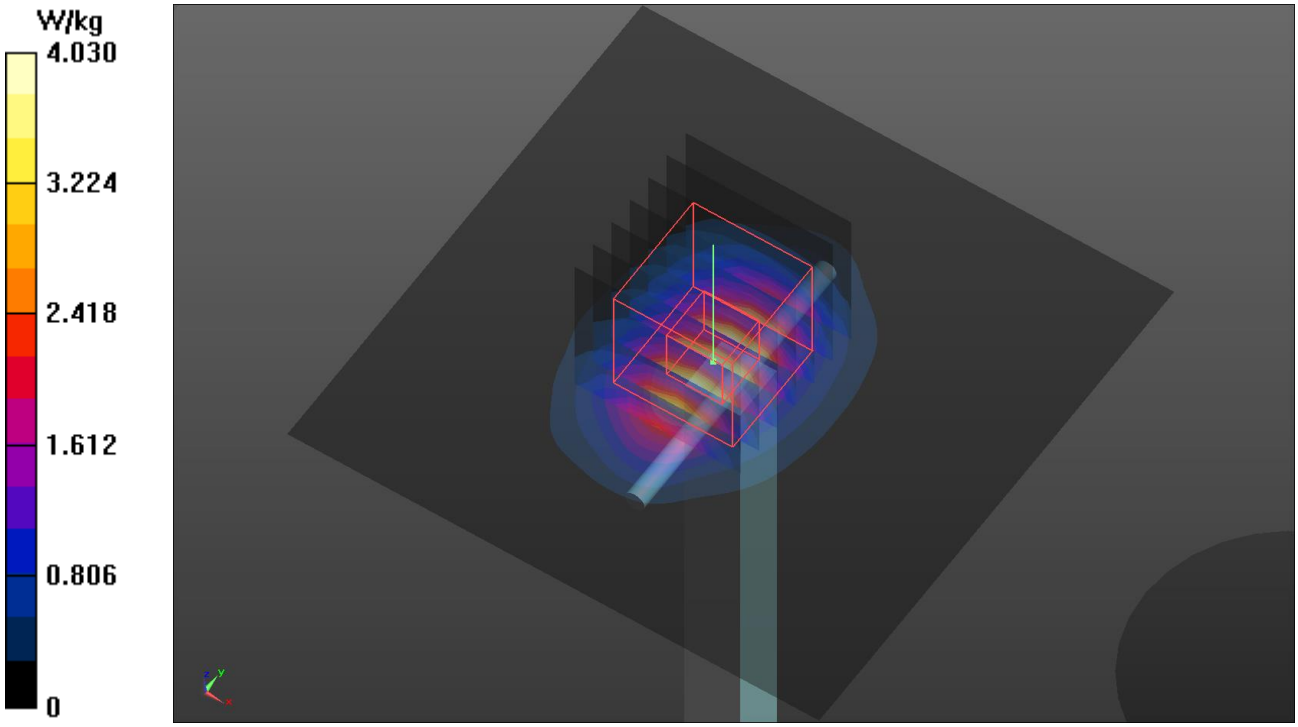
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H19T27N1_0720 Medium parameters used (interpolated): f = 2450 MHz; σ = 1.827 S/m; ε_r = 38.941; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2450 MHz; Calibrated: 2022/01/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2022/01/19
- Phantom: Twin SAM Phantom_1885; Type: QD000P40CD; Serial:
- 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) = 4.03 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 47.96 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 5.06 W/kg
SAR(1 g) = 2.44 W/kg; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.07 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: 2022/6/30

P01 GSM850_GPRS12_Rear Face_0mm_Ch251_Ant 0

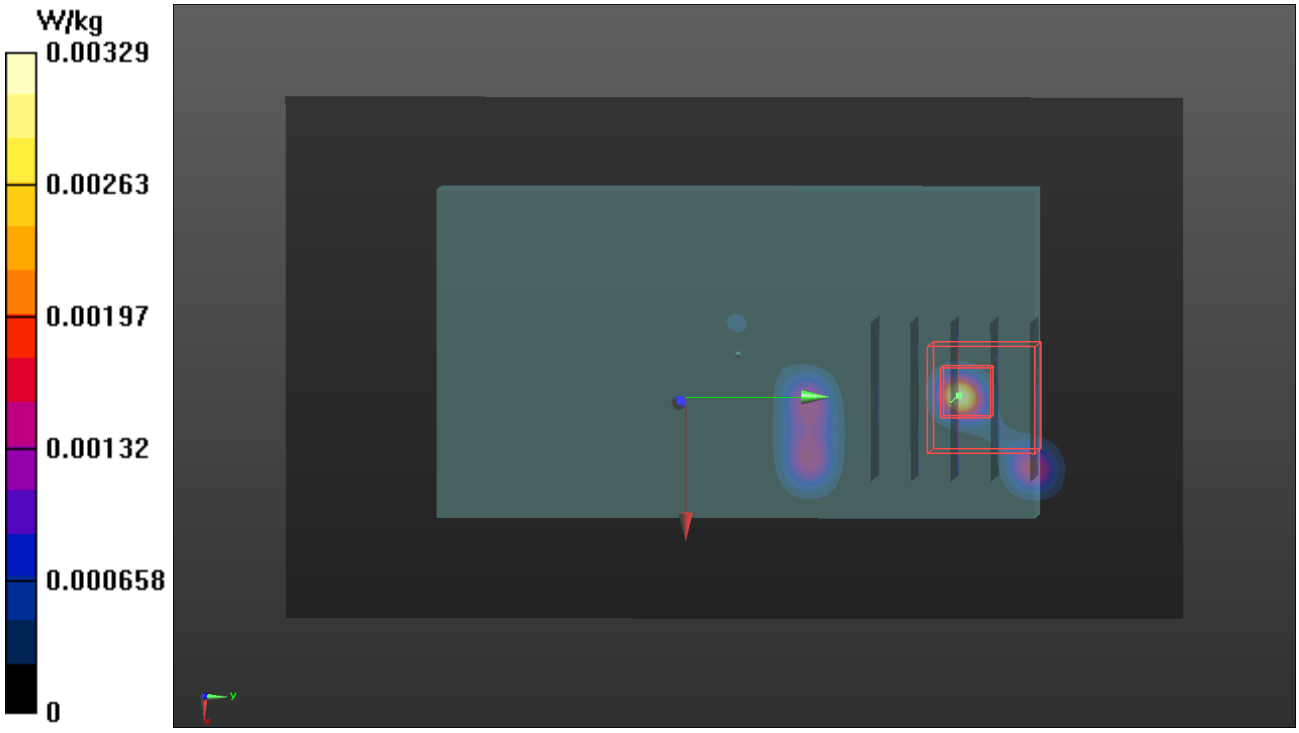
DUT: BBGM-WTW-P22050652

Communication System: UID 10028 - DAC, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3); Frequency: 848.8 MHz;Duty Cycle: 1:2.26
Medium: H07T10N1_0630 Medium parameters used: f = 849 MHz; σ = 0.928 S/m; ε_r = 42.852; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(9.92, 9.92, 9.92) @ 848.8 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- Phantom: ELI Phantom_2105; Type: QD OVA 004 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.00329 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.583 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.00439 W/kg
SAR(1 g) = 0.000603 W/kg; SAR(10 g) = 0.000134 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 38%
Maximum value of SAR (measured) = 0.00264 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/30

P02 GSM1900_GPRS12_Rear Face_0mm_Ch810_Ant 0

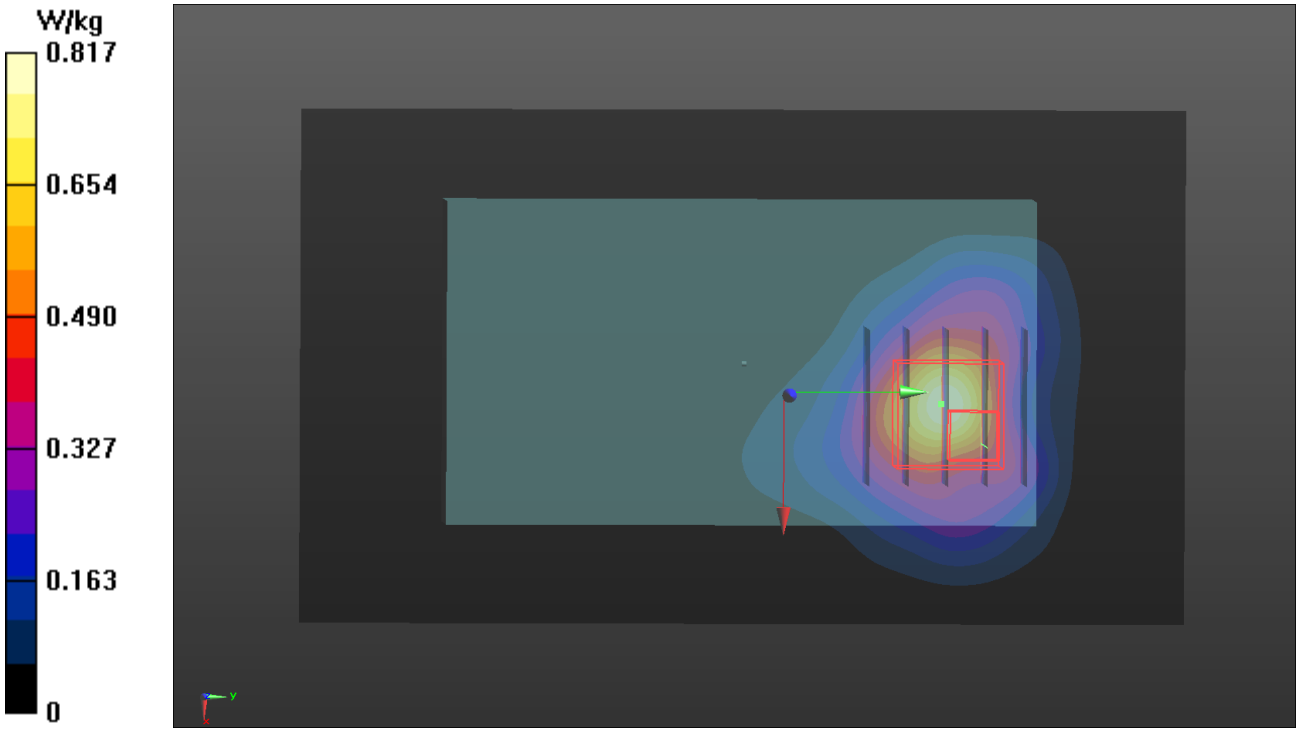
DUT: BBGM-WTW-P22050652

Communication System: UID 10028 - DAC, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3); Frequency: 1909.8 MHz;Duty Cycle: 1:2.26
Medium: H16T20N2_0630 Medium parameters used: f = 1910 MHz; σ = 1.467 S/m; ε_r = 41.247; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.17, 8.17, 8.17) @ 1909.8 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- Phantom: ELI Phantom_2105; Type: QD OVA 004 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.817 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.83 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.281 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 41.2%
Maximum value of SAR (measured) = 1.29 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/6

P03 WCDMA II_RMC12.2K_Rear Face_0mm_Ch9538_Ant 0

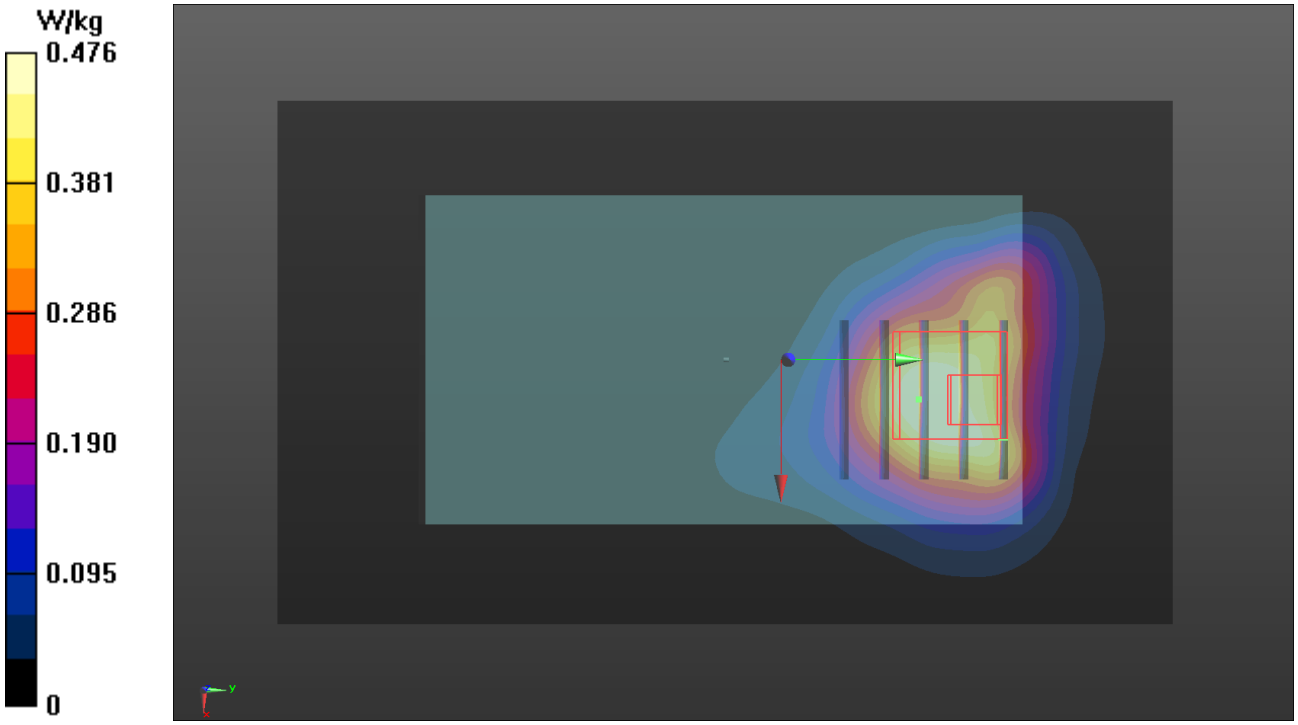
DUT: BBGM-WTW-P22050652

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1907.6 MHz;Duty Cycle: 1:1.95
Medium: H16T20N1_0606 Medium parameters used: f = 1908 MHz; σ = 1.467 S/m; ε_r = 38.833; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1907.6 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.476 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.39 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.218 W/kg
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 43.7%
Maximum value of SAR (measured) = 0.704 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/30

P04 WCDMA IV_RMC12.2K_Rear Face_0mm_Ch1413_Ant 0

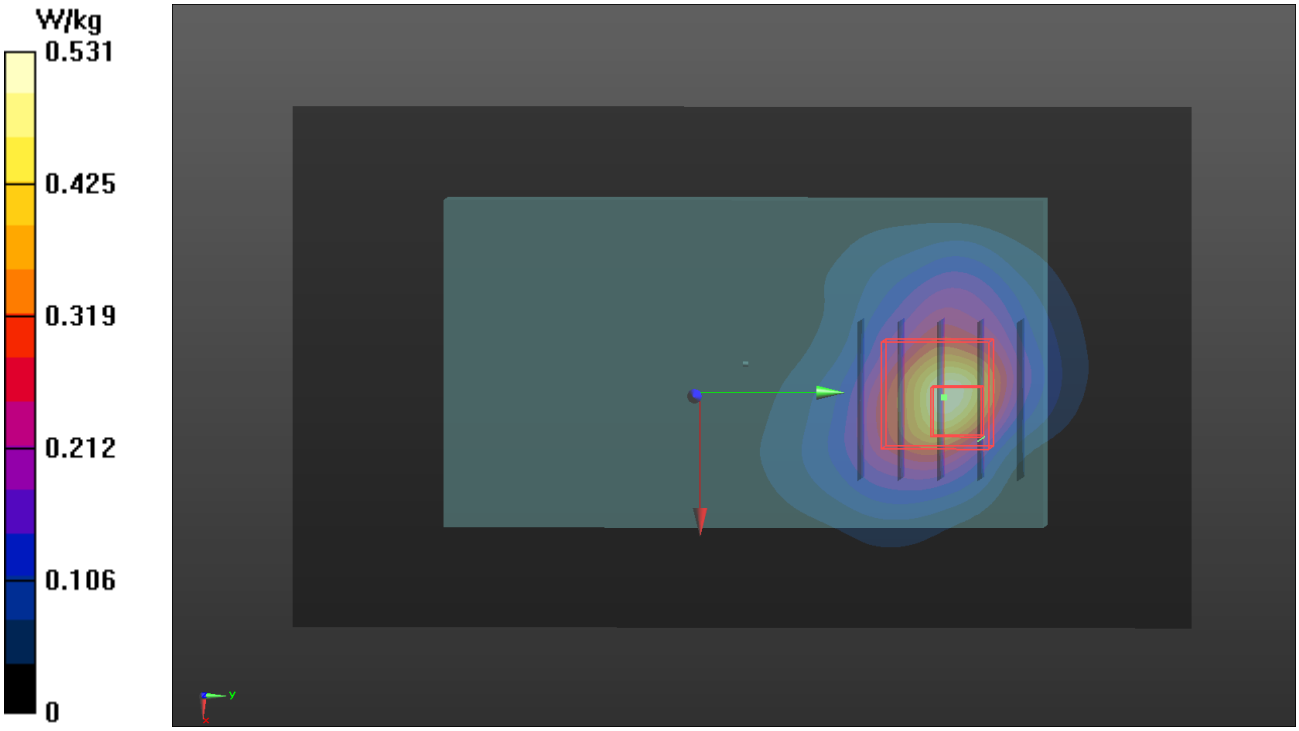
DUT: BBGM-WTW-P22050652

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.6 MHz;Duty Cycle: 1:1.95
Medium: H16T20N2_0630 Medium parameters used: f = 1733 MHz; σ = 1.365 S/m; ε_r = 41.517; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7554; ConvF(8.54, 8.54, 8.54) @ 1732.6 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- Phantom: ELI Phantom_2105; Type: QD OVA 004 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.531 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.72 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.762 W/kg
SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.159 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 38.6%
Maximum value of SAR (measured) = 0.491 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/7

P05 WCDMA V_RMC12.2K_Rear Face_0mm_Ch4132_Ant 0

DUT: BBGM-WTW-P22050652

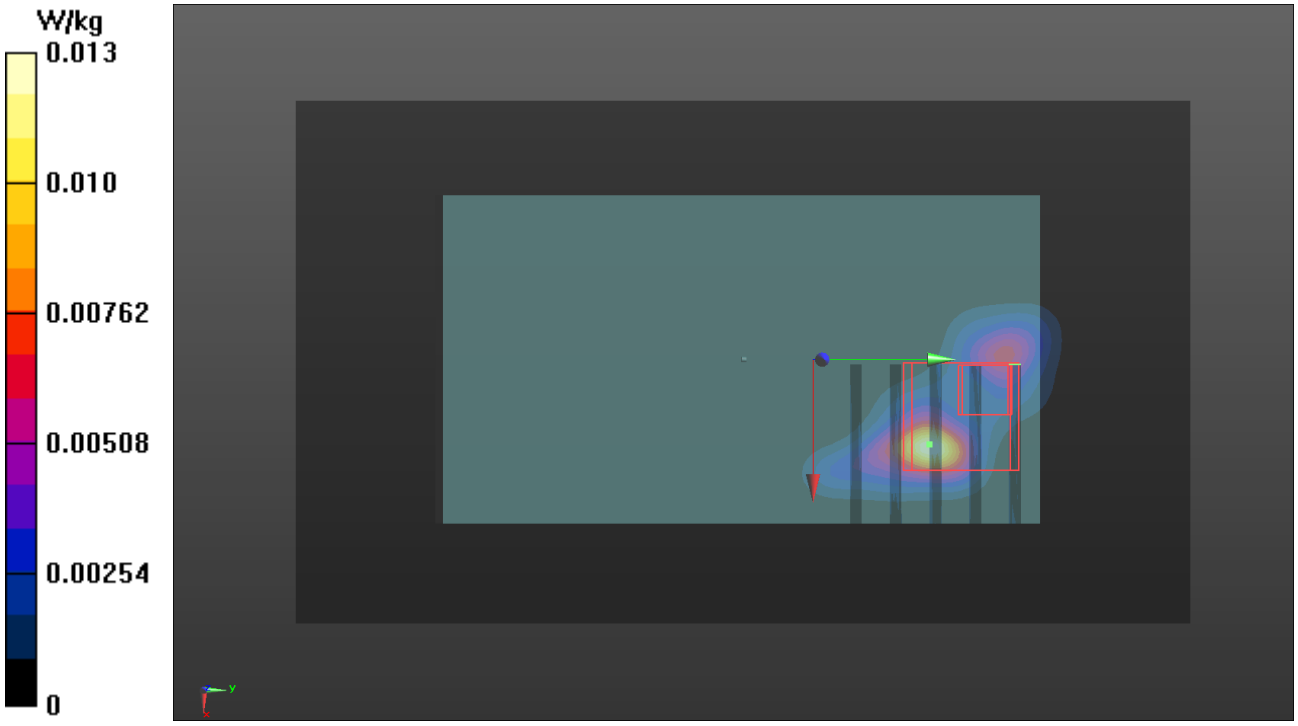
Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 826.4 MHz;Duty Cycle: 1:1.95
Medium: H07T10N1_0607 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.93 S/m; ε_r = 40.472; ρ = 1000 kg/m^3

Ambient Temperature：23.2 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 826.4 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.013 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.271 V/m; Power Drift = 0 dB
Peak SAR (extrapolated) = 0.00551 W/kg
SAR(1 g) = 0.00151 W/kg; SAR(10 g) = 0.00041 W/kg
Smallest distance from peaks to all points 3 dB below: 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 53.6%
Maximum value of SAR (measured) = 0.00441 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/7

P08 LTE 5_QPSK10M_Rear Face_0mm_Ch20600_1RB_OS0_Ant 0

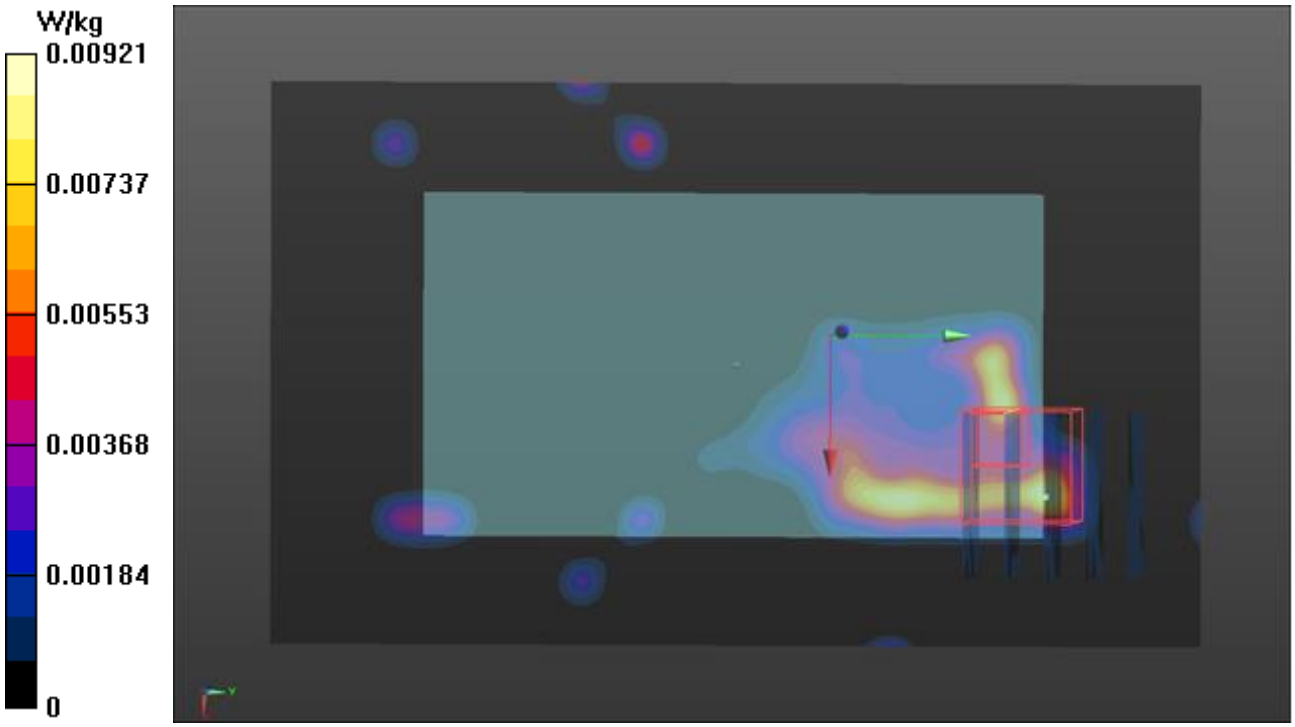
DUT: BBGM-WTW-P22050652

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 844 MHz;Duty Cycle: 1:3.74
Medium: H07T10N1_0607 Medium parameters used: f = 844 MHz; σ = 0.937 S/m; ε_r = 40.388; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 844 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.00921 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.396 V/m; Power Drift = 0 dB
Peak SAR (extrapolated) = 0.00633 W/kg
SAR(1 g) = 0.00247 W/kg; SAR(10 g) = 0.00097 W/kg
Smallest distance from peaks to all points 3 dB below: 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 57.9%
Maximum value of SAR (measured) = 0.00465 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/7

P09 LTE 7_QPSK20M_Rear Face_0mm_Ch21350_1RB_OS0_Ant 0

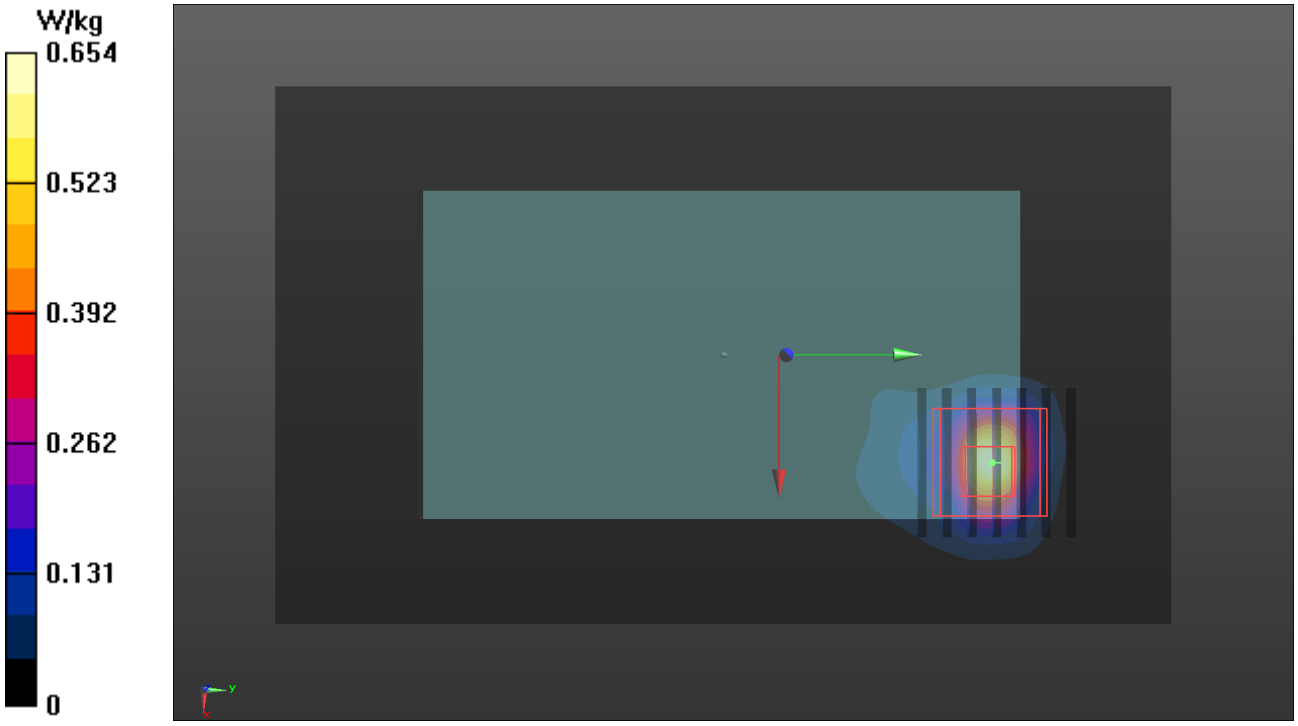
DUT: BBGM-WTW-P22050652

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2560 MHz;Duty Cycle: 1:3.74
Medium: H19T27N1_0607 Medium parameters used: f = 2560 MHz; σ = 1.883 S/m; ε_r = 37.926; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(7.73, 7.73, 7.73) @ 2560 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.654 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.19 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.857 W/kg
SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.091 W/kg
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 39.9%
Maximum value of SAR (measured) = 0.581 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/8

P10 LTE 12_QPSK10M_Rear Face_0mm_Ch23130_1RB_OS0_Ant 0

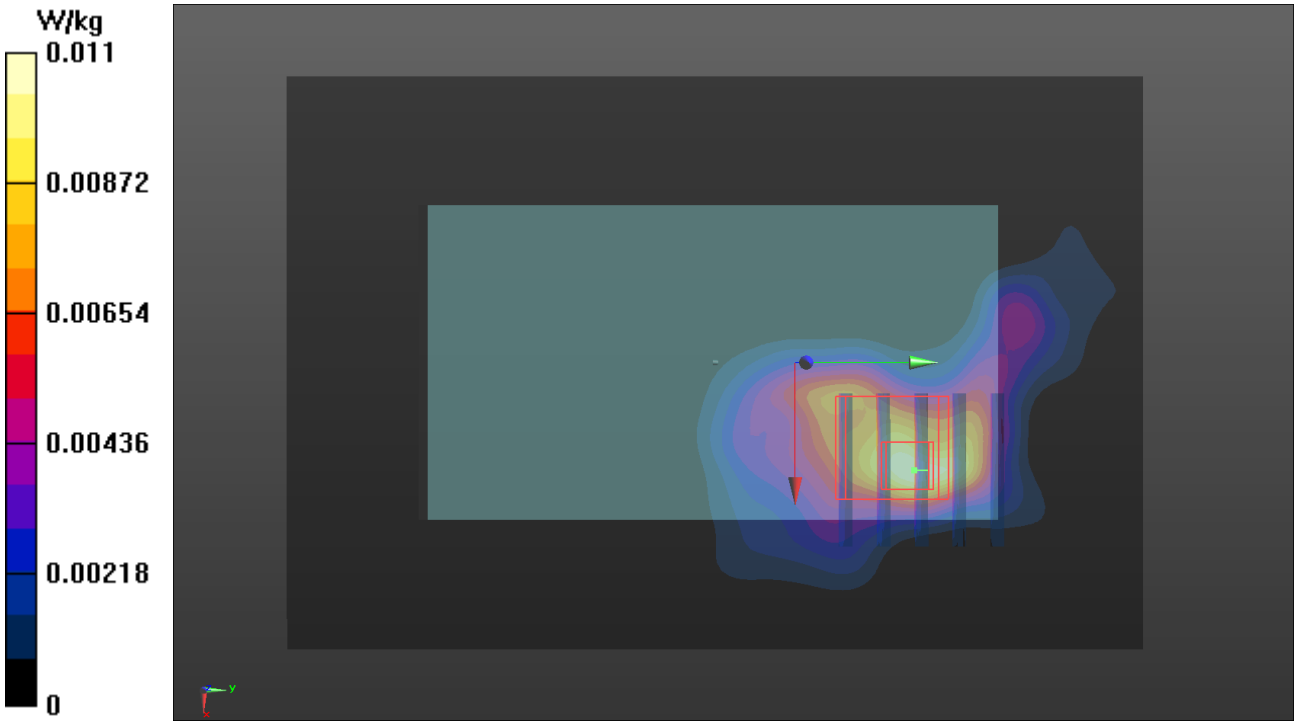
DUT: BBGM-WTW-P22050652

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 711 MHz;Duty Cycle: 1:3.74
Medium: H06T09N1_0608 Medium parameters used: f = 711 MHz; σ = 0.887 S/m; ε_r = 41.674; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 711 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.011 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.840 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.0110 W/kg
SAR(1 g) = 0.0056 W/kg; SAR(10 g) = 0.00298 W/kg
Smallest distance from peaks to all points 3 dB below: 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 51.8%
Maximum value of SAR (measured) = 0.00792 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/7

P11 LTE 13_QPSK10M_Rear Face_0mm_Ch23230_1RB_OS0_Ant 0

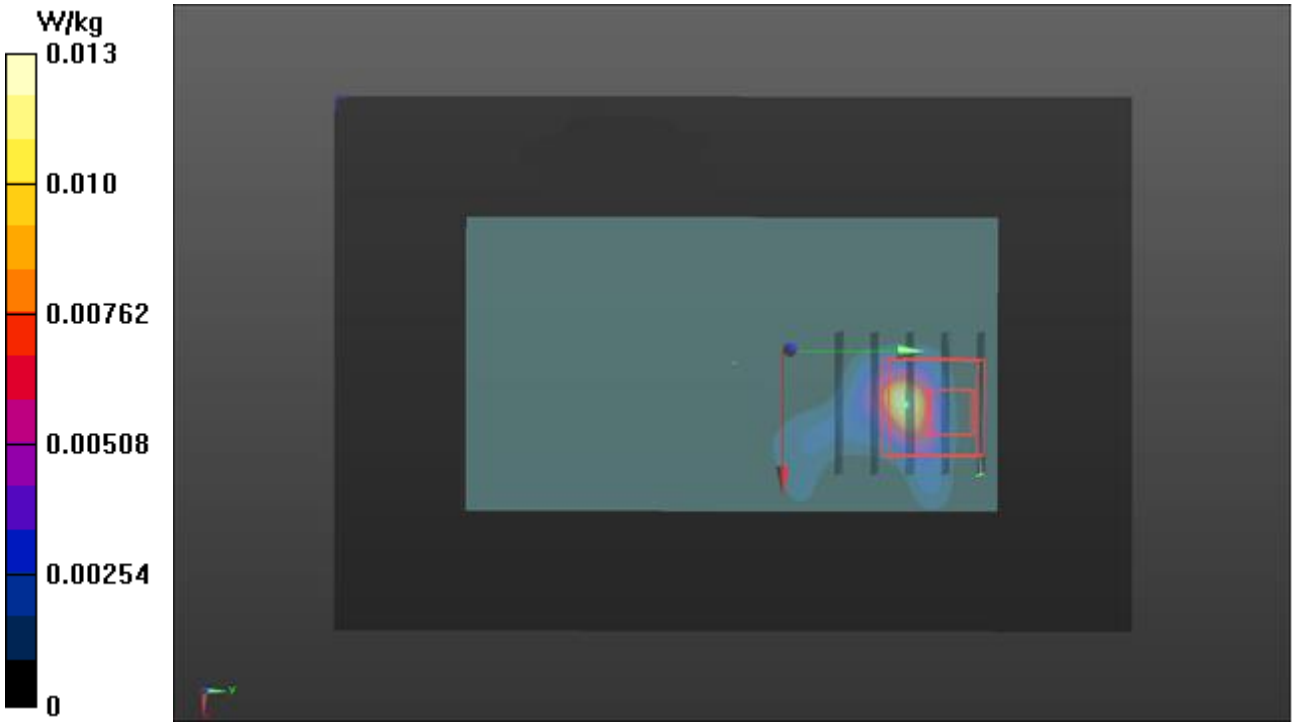
DUT: BBGM-WTW-P22050652

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK); Frequency: 782 MHz;Duty Cycle: 1:3.74
Medium: H06T09N1_0608 Medium parameters used: f = 782 MHz; σ = 0.913 S/m; ε_r = 41.477; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.26, 10.26, 10.26) @ 782 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.013 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.078 V/m; Power Drift = 0 dB
Peak SAR (extrapolated) = 0.0200 W/kg
SAR(1 g) = 0.00229 W/kg; SAR(10 g) = 0.00047 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 2.6%
Maximum value of SAR (measured) = 0.0151 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/6

P13 LTE 25_QPSK20M_Rear Face_0mm_Ch26590_1RB_OS0_Ant 0

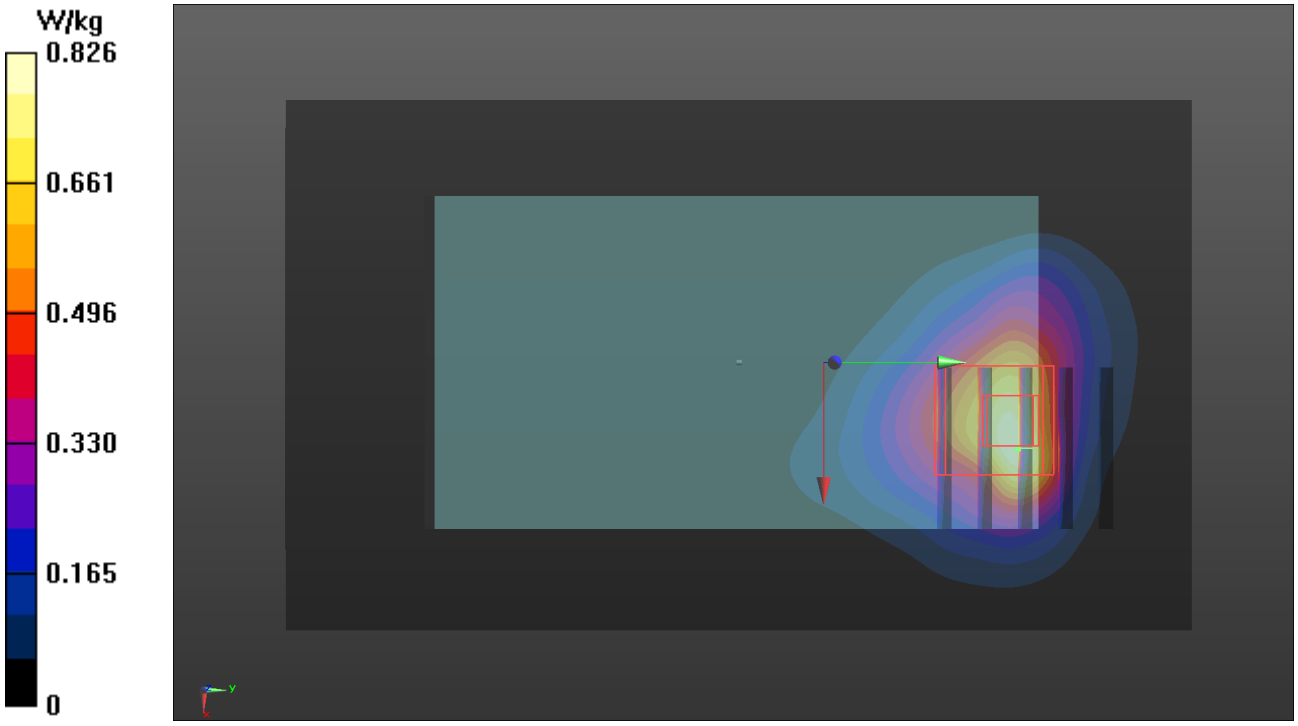
DUT: BBGM-WTW-P22050652

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1905 MHz;Duty Cycle: 1:3.74
Medium: H16T20N1_0606 Medium parameters used: f = 1905 MHz; σ = 1.466 S/m; ε_r = 38.839; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.33, 8.33, 8.33) @ 1905 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.826 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.40 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.519 W/kg; SAR(10 g) = 0.276 W/kg
Smallest distance from peaks to all points 3 dB below = 8.5 mm
Ratio of SAR at M2 to SAR at M1 = 58.6%
Maximum value of SAR (measured) = 0.779 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/7

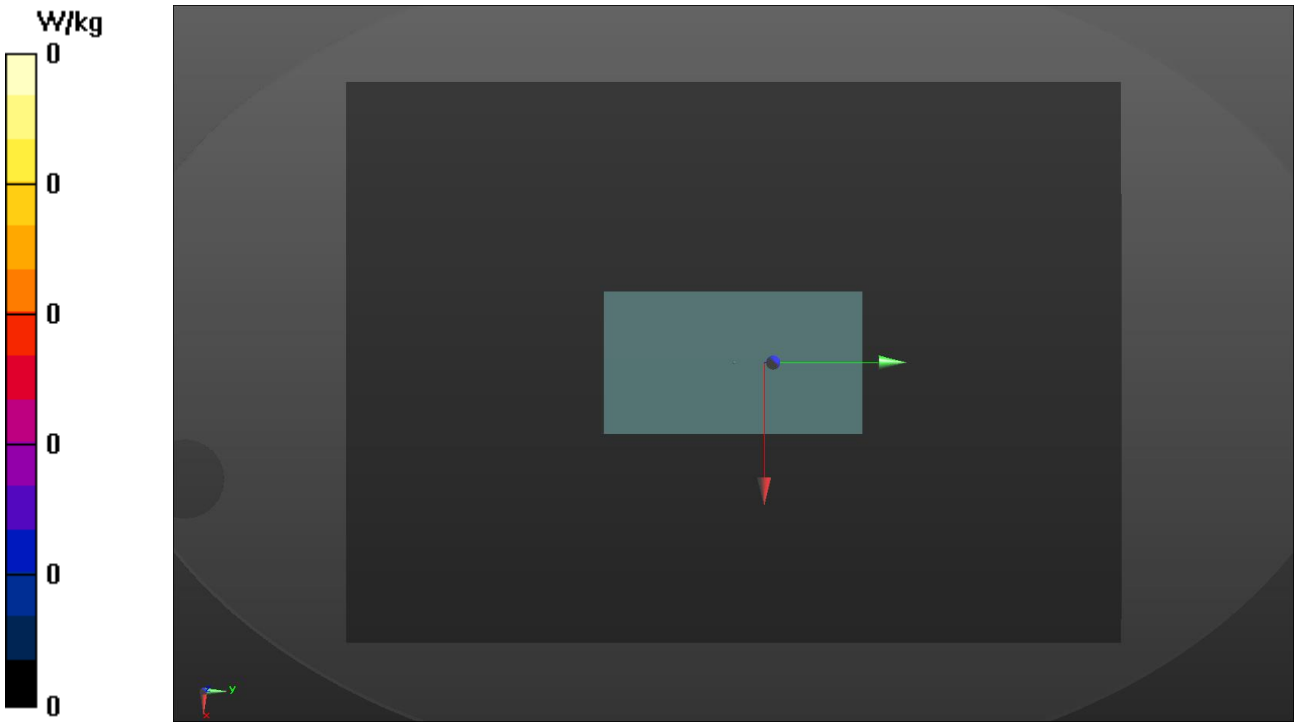
P15 LTE 26_QPSK15M_Rear Face_0mm_Ch26765_1RB_OS0_Ant 0

DUT: BBGM-WTW-P22050652

Communication System: UID 10181 - CAE, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK); Frequency: 821.5 MHz;Duty Cycle: 1:3.74
Medium: H07T10N1_0607 Medium parameters used (interpolated): f = 821.5 MHz; σ = 0.929 S/m; ε_r = 40.489; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.02, 10.02, 10.02) @ 821.5 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (181x241x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/6/6

P16 LTE 66_QPSK20M_Rear Face_0mm_Ch132322_1RB_OS50_Ant 0

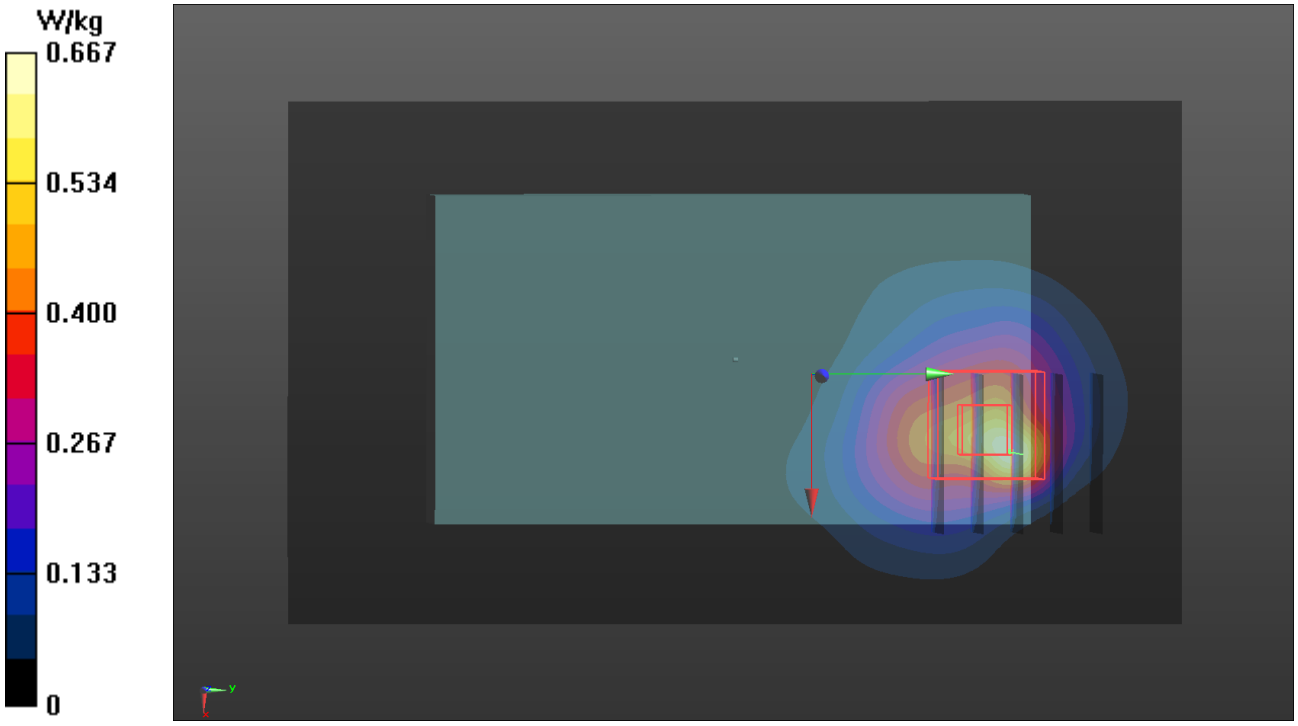
DUT: BBGM-WTW-P22050652

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1745 MHz;Duty Cycle: 1:3.74
Medium: H16T20N1_0606 Medium parameters used: f = 1745 MHz; σ = 1.37 S/m; ε_r = 39.13; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.72, 8.72, 8.72) @ 1745 MHz; Calibrated: 2022/1/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1590; Calibrated: 2021/9/20
- Phantom: ELI Phantom_1204; Type: QD OVA 002 Ax;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.667 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.10 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.798 W/kg
SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.219 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 48.5%
Maximum value of SAR (measured) = 0.598 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/20

P17 WLAN2.4G_802.11b_Top Side_0mm_Ch11_Ant 1

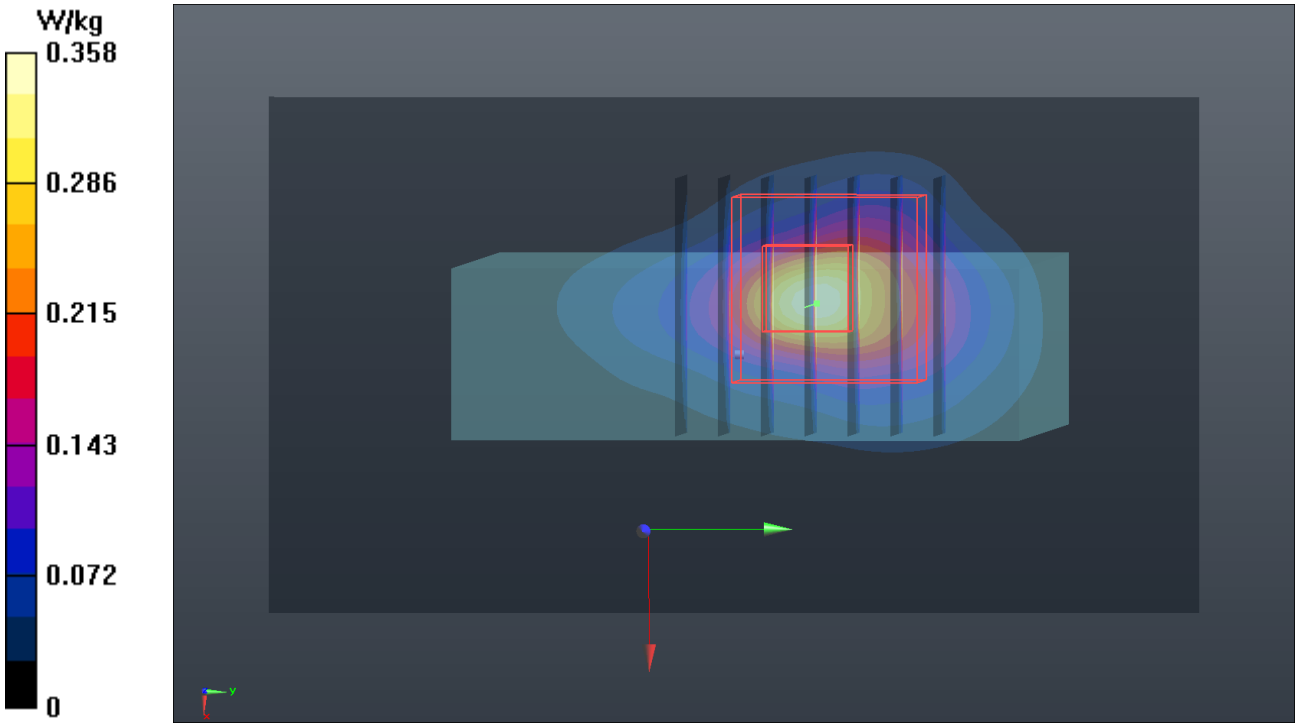
DUT: BBGM-WTW-P22050652

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2462 MHz;Duty Cycle: 1:1.03
Medium: H19T27N1_0720 Medium parameters used: f = 2462 MHz; σ = 1.838 S/m; ε_r = 38.895; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2462 MHz; Calibrated: 2022/01/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2022/01/19
- Phantom: Twin SAM Phantom_1885; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.358 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.53 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.823 W/kg
SAR(1 g) = 0.287 W/kg; SAR(10 g) = 0.111 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 46.3%
Maximum value of SAR (measured) = 0.577 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/20

P18 WLAN5.2G_802.11a_Top Side_0mm_Ch48_Ant 1

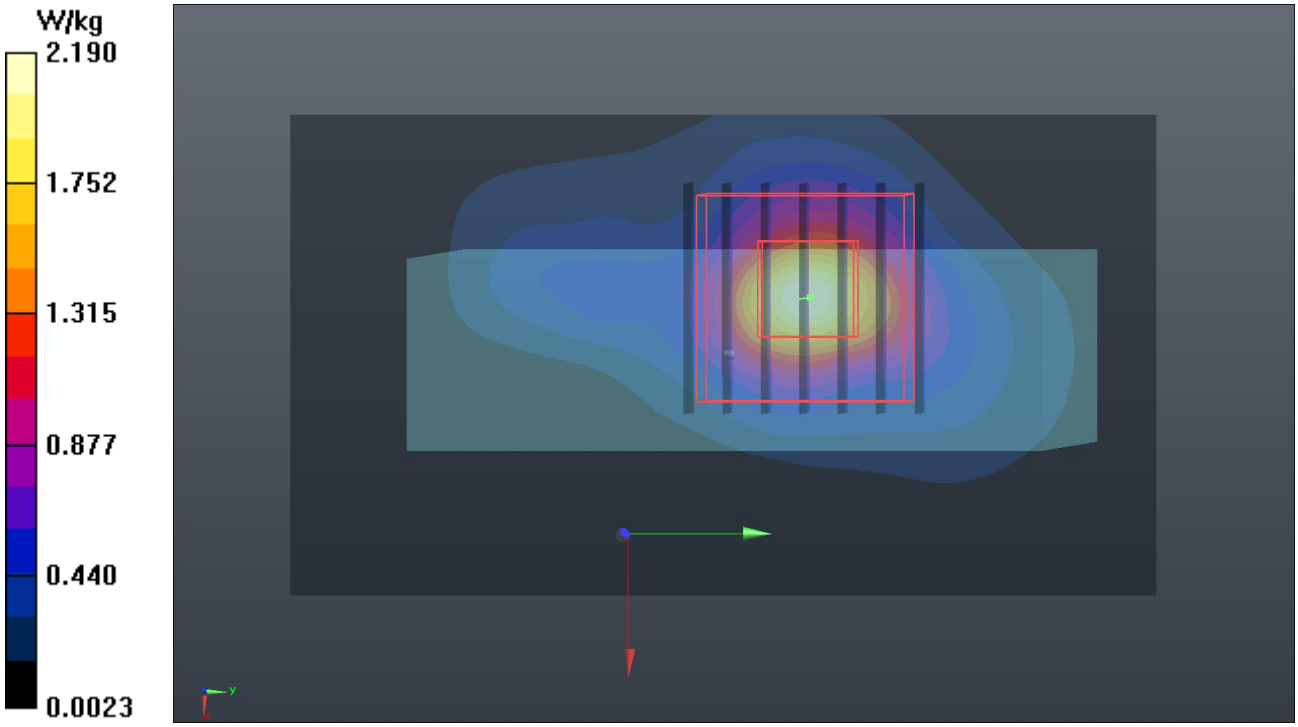
DUT: BBGM-WTW-P22050652

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5240 MHz;Duty Cycle: 1:1.17
Medium: H34T60N1_0720 Medium parameters used: f = 5240 MHz; σ = 4.826 S/m; ε_r = 35.116; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(5.1, 5.1, 5.1) @ 5240 MHz; Calibrated: 2022/01/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2022/01/19
- Phantom: Twin SAM Phantom_1885; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.19 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 21.97 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.48 W/kg
SAR(1 g) = 0.847 W/kg; SAR(10 g) = 0.290 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 65.3%
Maximum value of SAR (measured) = 2.18 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/20

P19 WLAN5.8G_802.11a_Top Side_0mm_Ch149_Ant 1

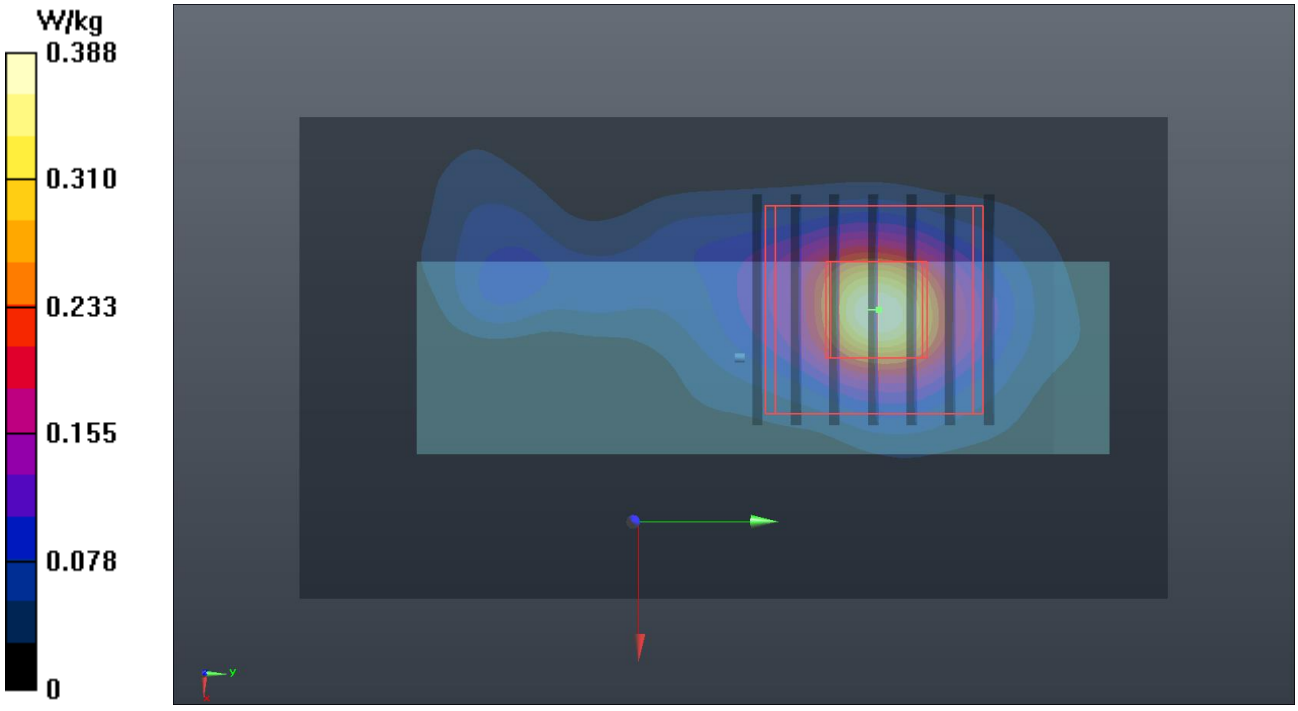
DUT: BBGM-WTW-P22050652

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5745 MHz;Duty Cycle: 1:1.17
Medium: H34T60N1_0720 Medium parameters used (interpolated): f = 5745 MHz; σ = 5.299 S/m; ε_r = 34.417; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(4.85, 4.85, 4.85) @ 5745 MHz; Calibrated: 2022/01/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2022/01/19
- Phantom: Twin SAM Phantom_1885; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.388 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.491 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.645 W/kg
SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.038 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6.6 mm
Ratio of SAR at M2 to SAR at M1 = 63.2%
Maximum value of SAR (measured) = 0.397 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2022/7/20

P20 BT_BDR_Top Side_0mm_Ch0_Ant 1

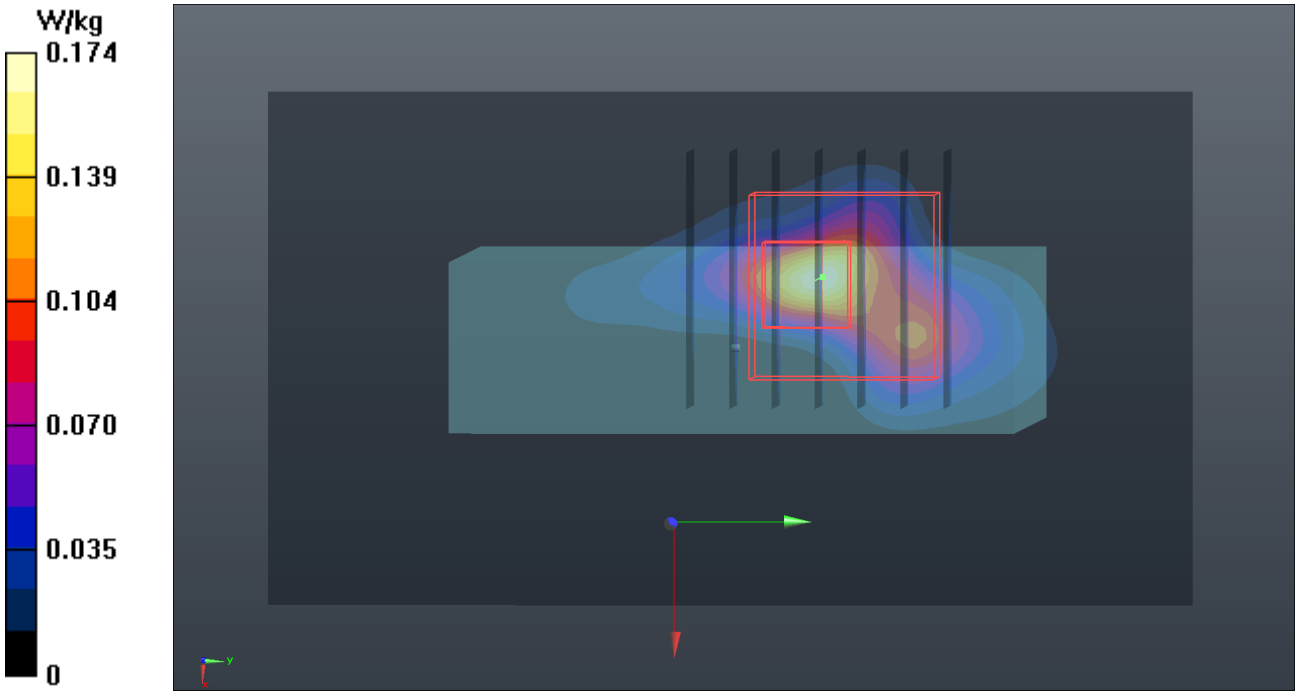
DUT**:** BBGM-WTW-P22050652

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2402 MHz;Duty Cycle: 1:1.30
Medium: H19T27N1_0720 Medium parameters used (interpolated): f = 2402 MHz; σ = 1.778 S/m; ε_r = 39.115; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(7.98, 7.98, 7.98) @ 2402 MHz; Calibrated: 2022/01/25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2022/01/19
- Phantom: Twin SAM Phantom_1885; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.174 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.490 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.196 W/kg
SAR(1 g) = 0.064 W/kg; SAR(10 g) = 0.025 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.5 mm
Ratio of SAR at M2 to SAR at M1 = 45%
Maximum value of SAR (measured) = 0.139 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 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N	Output Power (dB)
S01	835	23.3	0.914	43.047	0.9	41.5	1.56	3.73	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 30, 2022	835	9.58	0.494	9.86	2.89	4d121	7554	1589	17
S02	1900	23.3	1.463	41.25	1.4	40	4.50	3.13	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 30, 2022	1900	40.40	2.05	40.90	1.24	5d036	7554	1589	17
S03	1900	23.5	1.463	38.84	1.4	40	4.50	-2.90	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 06, 2022	1900	40.40	1.97	39.31	-2.71	5d036	3971	1590	17
S04	1750	23.3	1.374	41.484	1.37	40.1	0.29	3.45	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 30, 2022	1750	35.80	1.86	37.11	3.66	1055	7554	1589	17
S05	835	23.1	0.934	40.425	0.9	41.5	3.78	-2.59	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 07, 2022	835	9.58	0.45	8.98	-6.28	4d121	3971	1590	17
S08	835	23.1	0.934	40.425	0.9	41.5	3.78	-2.59	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 07, 2022	835	9.58	0.45	8.98	-6.28	4d121	3971	1590	17
S09	2600	23.1	1.917	37.83	1.96	39	-2.19	-3.00	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 07, 2022	2600	57.60	2.94	58.66	1.84	1020	3971	1590	17
S10	750	23.3	0.902	41.57	0.9	42	0.22	-1.02	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 08, 2022	750	8.56	0.396	7.90	-7.70	1013	3971	1590	17
S11	750	23.3	0.902	41.57	0.9	42	0.22	-1.02	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 08, 2022	750	8.56	0.396	7.90	-7.70	1013	3971	1590	17
S13	1900	23.5	1.463	38.84	1.4	40	4.50	-2.90	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 06, 2022	1900	40.40	1.97	39.31	-2.71	5d036	3971	1590	17
S15	835	23.1	0.934	40.425	0.9	41.5	3.78	-2.59	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 07, 2022	835	9.58	0.45	8.98	-6.28	4d121	3971	1590	17
S16	1750	23.5	1.371	39.111	1.37	40.1	0.07	-2.47	Pass	Pass	Pass	N/A	N/A	N/A	Jun. 06, 2022	1750	35.80	1.85	36.91	3.11	1055	3971	1590	17
S17	2450	23.4	1.827	38.941	1.8	39.2	1.50	-0.66	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 20, 2022	2450	52.60	2.44	48.68	-7.44	737	3971	1277	17
S18	5250	23.4	4.836	35.132	4.71	35.9	2.68	-2.14	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 20, 2022	5250	80.60	3.98	79.41	-1.47	1019	3971	1277	17
S19	5750	23.4	5.304	34.389	5.22	35.4	1.61	-2.86	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 20, 2022	5750	79.40	4.11	82.01	3.28	1019	3971	1277	17
S20	2450	23.4	1.827	38.941	1.8	39.2	1.50	-0.66	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 20, 2022	2450	52.60	2.44	48.68	-7.44	737	3971	1277	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
GSM (GMSK, 1Tx-slot)	32.0	23.0	28.5	19.5
GPRS (GMSK, 1Tx-slot)	32.0	23.0	28.5	19.5
GPRS (GMSK, 2Tx-slot)	30.5	24.5	27.5	21.5
GPRS (GMSK, 3Tx-slot)	28.0	23.7	27.5	23.2
GPRS (GMSK, 4Tx-slot)	27.5	24.5	26.5	23.5
EDGE (8PSK, 1Tx-slot)	26.0	17.0	26.0	17.0
EDGE (8PSK, 2Tx-slot)	25.5	19.5	24.5	18.5
EDGE (8PSK, 3Tx-slot)	24.5	20.2	23.5	19.2
EDGE (8PSK, 4Tx-slot)	23.5	20.5	21.0	18.0

WCDMA Max. Tune-up Power (Full)		
Mode	RMC 12.2K	HSDPA DC-HSDPA HSUPA
	Maximum Target Power	Maximum Target Power
WCDMA Band II	20.5	19.5
WCDMA Band IV	21.5	20.5
WCDMA Band V	23.0	22.0

LTE Max. Tune-up Power (Full)		
Mode	QPSK	16QAM
	Maximum Target Power	Maximum Target Power
LTE 2	20.5	19.5
LTE 4	21.5	20.5
LTE 5	23.5	22.5
LTE 7	21.0	20.0
LTE 12	23.0	22.0
LTE 13	23.0	22.0
LTE 17	22.5	21.5
LTE 25	21.5	20.5
LTE 26	23.0	22.0
LTE 66	22.0	21.0

WLAN Tune-up Power (Full)			
WLAN 2.4GHz			
Mode	Channel	Frequency	SISO Ant 1 Max Tune up
802.11b	1	2412	15.0
	6	2437	15.0
	11	2462	15.0
802.11g	1	2412	9.0
	6	2437	9.0
	11	2462	9.0
802.11n HT20	1	2412	9.0
	6	2437	9.0
	11	2462	9.0

WLAN Tune-up Power (Full)			
Bluetooth			
Mode	Channel	Frequency	Ant 1 Max Tune-up
BR / EDR	0	2402	13.0
	39	2441	13.0
	78	2480	13.0

WLAN Tune-up Power (Full)			
WLAN 5.2GHz			
Mode	Channel	Frequency	SISO Ant 1 Max Tune up
802.11a	36	5180	14.5
	40	5200	14.0
	44	5220	14.0
	48	5240	14.0
802.11n HT20	36	5180	14.0
	40	5200	14.0
	44	5220	14.0
	48	5240	14.0

WLAN Tune-up Power (Full)			
WLAN 5.8GHz			
Mode	Channel	Frequency	SISO Ant 1 Max Tune up
802.11a	149	5745	13.5
	153	5765	14.5
	157	5785	14.5
	161	5805	14.5
	165	5825	13.0
802.11n HT20	149	5745	14.5
	153	5765	14.5
	157	5785	14.5
	161	5805	14.5
	165	5825	14.5

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
GSM	31.60	31.58	31.63	27.63	27.41	26.95
GPRS 1Tx Slot	31.22	31.41	31.55	27.61	27.32	26.93
GPRS 2Tx Slot	28.76	29.01	29.07	26.18	26.15	25.62
GPRS 3Tx Slot	26.71	26.89	26.98	26.11	26.05	25.58
GPRS 4Tx Slot	26.21	26.18	26.24	25.33	25.36	24.69
EDGE 1Tx Slot (MCS9)	24.63	24.79	24.92	24.63	24.57	24.15
EDGE 2Tx Slot (MCS9)	24.11	24.23	24.44	23.26	23.19	22.78
EDGE 3Tx Slot (MCS9)	23.02	23.16	23.46	22.36	22.31	21.81
EDGE 4Tx Slot (MCS9)	22.05	22.11	22.19	20.77	20.68	20.57

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	19.35	19.65	19.48	21.29	21.36	21.23	21.17	21.06	21.01
HSDPA Subtest-1	18.12	18.42	18.25	20.41	20.49	20.31	20.28	20.17	20.12
HSDPA Subtest-2	18.08	18.38	18.21	20.38	20.46	20.33	20.25	20.14	20.09
HSDPA Subtest-3	17.49	17.79	17.62	19.88	19.95	19.86	19.82	19.71	19.66
HSDPA Subtest-4	17.44	17.74	17.57	19.84	19.88	19.82	19.77	19.66	19.61
DC-HSDPA Subtest-1	18.09	18.39	18.22	20.34	20.39	20.30	20.24	20.13	20.08
DC-HSDPA Subtest-2	18.04	18.34	18.17	20.29	20.36	20.27	20.21	20.10	20.05
DC-HSDPA Subtest-3	17.46	17.76	17.59	19.79	19.81	19.74	19.78	19.67	19.62
DC-HSDPA Subtest-4	17.41	17.71	17.54	19.71	19.72	19.70	19.73	19.62	19.57
HSUPA Subtest-1	18.07	18.37	18.20	20.26	20.33	20.22	20.26	20.15	20.10
HSUPA Subtest-2	16.18	16.48	16.31	18.42	18.49	18.39	18.31	18.20	18.15
HSUPA Subtest-3	17.22	17.52	17.35	19.35	19.39	19.31	19.29	19.18	19.13
HSUPA Subtest-4	16.26	16.56	16.39	18.40	18.45	18.37	18.33	18.22	18.17
HSUPA Subtest-5	18.16	18.46	18.29	20.23	20.29	20.19	20.19	20.08	20.03

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	20.28	20.29	20.24	0
		1	50	20.02	20.17	20.01	0
		1	99	20.04	20.11	19.98	0
		50	0	19.41	19.42	19.22	1
		50	25	19.33	19.36	19.24	1
		50	50	19.11	19.22	19.02	1
		100	0	19.13	19.21	19.16	1
20M	16QAM	1	0	19.11	19.19	19.03	1
		1	50	19.07	19.11	18.92	1
		1	99	18.57	18.71	18.55	1
		50	0	18.21	18.24	18.06	2
		50	25	18.01	18.16	17.96	2
		50	50	17.94	18.09	17.91	2
		100	0	18.03	18.06	18.02	2
BW	MCS Index	Channel		18675	18900	19125	3GPP MPR
		Frequence (MHz)		1857.5	1880	1902.5	
15M	QPSK	1	0	20.13	20.11	20.16	0
		1	37	19.95	20.00	19.94	0
		1	74	19.93	19.91	19.97	0
		36	0	19.34	19.39	19.08	1
		36	19	19.24	19.23	19.19	1
		36	39	19.06	19.14	18.96	1
		75	0	19.05	19.12	19.01	1
15M	16QAM	1	0	19.04	19.09	18.99	1
		1	37	18.95	18.96	18.81	1
		1	74	18.43	18.61	18.46	1
		36	0	18.12	18.11	17.95	2
		36	19	17.93	18.13	17.88	2
		36	39	17.83	18.02	17.89	2
		75	0	17.97	17.92	18.00	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	20.05	20.19	20.11	0
		1	24	20.06	19.98	20.02	0
		1	49	19.93	20.01	19.84	0
		25	0	19.31	19.29	19.17	1
		25	12	19.20	19.24	19.13	1
		25	25	18.96	19.16	18.95	1
		50	0	18.98	19.19	19.11	1
10M	16QAM	1	0	19.05	19.08	18.98	1
		1	24	18.99	19.10	18.88	1
		1	49	18.47	18.60	18.44	1
		25	0	18.01	18.08	17.96	2
		25	12	17.95	17.99	17.86	2
		25	25	17.85	17.90	17.79	2
		50	0	17.90	18.00	17.81	2
BW	MCS Index	Channel		18625	18900	19175	3GPP MPR
		Frequence (MHz)		1852.5	1880	1907.5	
5M	QPSK	1	0	20.15	20.12	20.04	0
		1	12	20.08	19.99	20.02	0
		1	24	19.88	19.93	19.82	0
		12	0	19.26	19.28	19.03	1
		12	6	19.34	19.20	19.11	1
		12	13	18.87	19.17	18.86	1
		25	0	18.96	19.06	19.06	1
5M	16QAM	1	0	19.12	19.06	18.95	1
		1	12	18.91	18.97	18.93	1
		1	24	18.52	18.54	18.54	1
		12	0	18.09	18.18	17.94	2
		12	6	17.96	18.03	17.90	2
		12	13	17.92	17.86	17.82	2
		25	0	17.89	18.01	17.94	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	20.10	20.09	20.15	0
		1	7	20.02	20.02	20.00	0
		1	14	19.96	19.98	19.85	0
		8	0	19.36	19.22	19.06	1
		8	3	19.25	19.27	19.14	1
		8	7	18.98	19.04	18.90	1
		15	0	19.05	19.11	19.00	1
3M	16QAM	1	0	19.14	19.00	19.00	1
		1	7	18.94	19.02	18.97	1
		1	14	18.54	18.59	18.45	1
		8	0	18.07	18.08	17.92	2
		8	3	17.97	18.04	17.83	2
		8	7	17.86	18.00	17.79	2
		15	0	17.98	17.86	17.87	2
BW	MCS Index	Channel		18607	18900	19193	3GPP MPR
		Frequence (MHz)		1850.7	1880	1909.3	
1.4M	QPSK	1	0	20.21	20.21	20.18	0
		1	2	19.86	20.07	20.05	0
		1	5	19.95	20.00	19.90	0
		3	0	20.21	20.25	20.10	0
		3	1	20.19	20.23	20.13	0
		3	3	20.07	20.21	19.90	0
		6	0	19.05	19.09	18.99	1
1.4M	16QAM	1	0	18.97	19.05	19.00	1
		1	2	19.01	18.95	18.93	1
		1	5	18.51	18.56	18.39	1
		3	0	19.09	19.10	19.13	1
		3	1	18.94	19.08	18.90	1
		3	3	18.97	18.92	18.77	1
		6	0	17.88	17.89	17.93	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	20.11	20.73	20.63	0
		1	50	20.09	20.71	20.61	0
		1	99	20.02	20.64	20.54	0
		50	0	19.11	19.73	19.63	1
		50	25	19.07	19.69	19.59	1
		50	50	18.94	19.56	19.46	1
		100	0	18.93	19.55	19.45	1
20M	16QAM	1	0	18.58	19.20	19.10	1
		1	50	19.40	20.02	19.92	1
		1	99	18.76	19.38	19.28	1
		50	0	18.11	18.71	18.63	2
		50	25	18.00	18.62	18.52	2
		50	50	17.90	18.52	18.42	2
		100	0	18.08	18.70	18.60	2
BW	MCS Index	Channel		20025	20175	20325	3GPP MPR
		Frequence (MHz)		1717.5	1732.5	1747.5	
15M	QPSK	1	0	20.08	20.65	20.62	0
		1	37	20.08	20.67	20.57	0
		1	74	19.92	20.61	20.50	0
		36	0	19.11	19.65	19.59	1
		36	19	19.02	19.69	19.52	1
		36	39	18.92	19.46	19.45	1
		75	0	18.92	19.53	19.37	1
15M	16QAM	1	0	18.52	19.20	19.05	1
		1	37	19.31	19.97	19.84	1
		1	74	18.71	19.37	19.24	1
		36	0	18.05	18.70	18.53	2
		36	19	17.97	18.60	18.51	2
		36	39	17.89	18.50	18.42	2
		75	0	17.98	18.70	18.59	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	19.95	20.61	20.49	0
		1	24	20.06	20.64	20.48	0
		1	49	19.88	20.52	20.39	0
		25	0	18.96	19.56	19.49	1
		25	12	18.84	19.50	19.48	1
		25	25	18.71	19.47	19.31	1
		50	0	18.68	19.39	19.25	1
10M	16QAM	1	0	18.49	19.17	19.05	1
		1	24	19.30	19.81	19.72	1
		1	49	18.61	19.22	19.21	1
		25	0	18.10	18.58	18.44	2
		25	12	17.81	18.41	18.43	2
		25	25	17.70	18.35	18.19	2
		50	0	17.93	18.49	18.52	2
BW	MCS Index	Channel		19975	20175	20375	3GPP MPR
		Frequence (MHz)		1712.5	1732.5	1752.5	
5M	QPSK	1	0	19.95	20.60	20.37	0
		1	12	20.01	20.56	20.33	0
		1	24	19.83	20.48	20.43	0
		12	0	19.05	19.64	19.54	1
		12	6	18.92	19.65	19.50	1
		12	13	18.79	19.48	19.29	1
		25	0	18.76	19.40	19.20	1
5M	16QAM	1	0	18.42	18.99	18.98	1
		1	12	19.23	19.93	19.78	1
		1	24	18.71	19.32	19.10	1
		12	0	18.08	18.64	18.40	2
		12	6	17.88	18.50	18.40	2
		12	13	17.77	18.44	18.32	2
		25	0	17.96	18.60	18.43	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	19.87	20.57	20.49	0
		1	7	19.93	20.57	20.52	0
		1	14	19.97	20.59	20.40	0
		8	0	18.92	19.61	19.42	1
		8	3	18.96	19.53	19.36	1
		8	7	18.84	19.42	19.37	1
		15	0	18.70	19.35	19.29	1
3M	16QAM	1	0	18.53	18.99	18.91	1
		1	7	19.26	19.94	19.75	1
		1	14	18.73	19.22	19.04	1
		8	0	18.07	18.69	18.52	2
		8	3	17.95	18.47	18.47	2
		8	7	17.77	18.40	18.34	2
		15	0	18.00	18.57	18.41	2
BW	MCS Index	Channel		19957	20175	20393	3GPP MPR
		Frequence (MHz)		1710.7	1732.5	1754.3	
1.4M	QPSK	1	0	20.06	20.54	20.50	0
		1	2	19.98	20.56	20.41	0
		1	5	19.79	20.46	20.41	0
		3	0	19.00	19.60	19.48	0
		3	1	18.86	19.56	19.45	0
		3	3	18.88	19.43	19.38	0
		6	0	18.74	19.47	19.23	1
1.4M	16QAM	1	0	18.47	19.07	19.01	1
		1	2	19.25	19.89	19.88	1
		1	5	18.66	19.20	19.20	1
		3	0	18.08	18.60	18.45	1
		3	1	17.92	18.51	18.29	1
		3	3	17.84	18.36	18.28	1
		6	0	17.86	18.61	18.36	2

LTE Conducted Power (Full)							
LTE Band 5							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		20450	20525	20600	
		Frequence (MHz)		829	836.5	844	
10M	QPSK	1	0	22.14	22.69	22.91	0
		1	24	22.13	22.68	22.61	0
		1	49	21.78	22.44	22.34	0
		25	0	21.33	21.78	21.85	1
		25	12	21.49	21.75	21.83	1
		25	25	21.59	21.71	21.79	1
		50	0	21.48	21.69	21.76	1
10M	16QAM	1	0	21.33	21.68	21.61	1
		1	24	21.32	21.66	21.41	1
		1	49	21.28	21.44	21.29	1
		25	0	20.33	20.71	20.79	2
		25	12	20.31	20.69	20.66	2
		25	25	20.30	20.68	20.57	2
		50	0	20.19	20.64	20.50	2
BW	MCS Index	Channel		20425	20525	20625	3GPP MPR
		Frequence (MHz)		826.5	836.5	846.5	
5M	QPSK	1	0	22.05	22.63	22.86	0
		1	12	22.13	22.65	22.54	0
		1	24	21.71	22.40	22.25	0
		12	0	21.27	21.73	21.83	1
		12	6	21.48	21.74	21.82	1
		12	13	21.50	21.66	21.70	1
		25	0	21.45	21.67	21.66	1
5M	16QAM	1	0	21.33	21.68	21.58	1
		1	12	21.24	21.57	21.40	1
		1	24	21.19	21.40	21.26	1
		12	0	20.33	20.70	20.72	2
		12	6	20.30	20.60	20.63	2
		12	13	20.21	20.67	20.54	2
		25	0	20.16	20.56	20.48	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	21.99	22.52	22.76	0
		1	7	21.98	22.61	22.43	0
		1	14	21.61	22.27	22.18	0
		8	0	21.15	21.73	21.72	1
		8	3	21.43	21.61	21.70	1
		8	7	21.42	21.66	21.64	1
		15	0	21.32	21.66	21.53	1
3M	16QAM	1	0	21.29	21.65	21.43	1
		1	7	21.11	21.49	21.25	1
		1	14	21.06	21.35	21.18	1
		8	0	20.27	20.59	20.64	2
		8	3	20.20	20.58	20.59	2
		8	7	20.10	20.59	20.43	2
		15	0	20.13	20.42	20.39	2
BW	MCS Index	Channel		20407	20525	20643	3GPP MPR
		Frequence (MHz)		824.7	836.5	848.3	
1.4M	QPSK	1	0	22.05	22.50	22.86	0
		1	2	22.02	22.65	22.42	0
		1	5	21.57	22.29	22.23	0
		3	0	22.15	22.62	22.70	0
		3	1	22.45	22.61	22.80	0
		3	3	22.47	22.52	22.60	0
		6	0	21.45	21.55	21.55	1
1.4M	16QAM	1	0	21.29	21.59	21.55	1
		1	2	21.15	21.57	21.25	1
		1	5	21.11	21.26	21.23	1
		3	0	21.22	21.67	21.64	1
		3	1	21.18	21.56	21.61	1
		3	3	21.18	21.53	21.42	1
		6	0	20.09	20.46	20.36	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	20.51	20.38	19.23	0
		1	50	20.20	20.07	19.15	0
		1	99	19.75	19.91	19.12	0
		50	0	19.57	19.44	18.29	1
		50	25	19.43	19.30	18.15	1
		50	50	19.25	19.12	17.97	1
		100	0	19.39	19.26	18.11	1
20M	16QAM	1	0	19.51	19.38	18.23	1
		1	50	19.44	19.31	18.16	1
		1	99	19.41	19.27	18.13	1
		50	0	18.50	18.37	17.22	2
		50	25	18.35	18.22	17.07	2
		50	50	18.12	18.09	17.02	2
		100	0	18.38	18.25	17.10	2
BW	MCS Index	Channel		20825	21100	21375	3GPP MPR
		Frequence (MHz)		2507.5	2535	2562.5	
15M	QPSK	1	0	20.47	20.34	19.18	0
		1	37	20.15	20.07	19.06	0
		1	74	19.73	19.91	19.05	0
		36	0	19.52	19.35	18.21	1
		36	19	19.38	19.28	18.12	1
		36	39	19.17	19.06	18.02	1
		75	0	19.34	19.17	18.07	1
15M	16QAM	1	0	19.46	19.36	18.17	1
		1	37	19.38	19.22	18.07	1
		1	74	19.34	19.23	18.07	1
		36	0	18.41	18.29	17.21	2
		36	19	18.30	18.12	17.06	2
		36	39	18.11	18.00	17.05	2
		75	0	18.33	18.17	17.04	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	20.35	20.25	19.08	0
		1	24	20.18	19.89	19.06	0
		1	49	19.64	19.77	19.02	0
		25	0	19.43	19.29	18.20	1
		25	12	19.31	19.23	18.13	1
		25	25	19.10	18.97	18.05	1
		50	0	19.38	19.18	18.02	1
10M	16QAM	1	0	19.37	19.23	18.07	1
		1	24	19.32	19.20	18.12	1
		1	49	19.21	19.23	18.06	1
		25	0	18.39	18.26	17.13	2
		25	12	18.24	18.13	17.11	2
		25	25	18.00	17.99	17.05	2
		50	0	18.21	18.16	17.02	2
BW	MCS Index	Channel		20775	21100	21425	3GPP MPR
		Frequence (MHz)		2502.5	2535	2567.5	
5M	QPSK	1	0	20.47	20.25	19.13	0
		1	12	20.14	19.86	19.05	0
		1	24	19.64	19.86	19.02	0
		12	0	19.40	19.33	18.06	1
		12	6	19.29	19.26	18.04	1
		12	13	19.02	19.01	18.02	1
		25	0	19.24	19.12	18.06	1
5M	16QAM	1	0	19.31	19.34	18.10	1
		1	12	19.31	19.13	18.03	1
		1	24	19.30	19.14	18.02	1
		12	0	18.42	18.19	17.09	2
		12	6	18.15	18.01	17.14	2
		12	13	18.01	17.98	17.11	2
		25	0	18.17	18.07	17.06	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	21.66	22.37	22.39	0
		1	24	21.59	22.23	22.32	0
		1	49	21.46	21.90	22.19	0
		25	0	20.56	21.27	21.29	1
		25	12	20.50	21.21	21.23	1
		25	25	20.45	21.14	21.18	1
		50	0	20.48	21.19	21.21	1
10M	16QAM	1	0	20.68	21.39	21.41	1
		1	24	20.41	21.12	21.14	1
		1	49	20.29	21.00	21.02	1
		25	0	19.46	20.17	20.19	2
		25	12	19.44	20.15	20.17	2
		25	25	19.42	20.13	20.15	2
		50	0	19.52	19.95	20.25	2
BW	MCS Index	Channel		23035	23095	23155	3GPP MPR
		Frequence (MHz)		701.5	707.5	713.5	
5M	QPSK	1	0	21.61	22.32	22.33	0
		1	12	21.52	22.24	22.24	0
		1	24	21.36	22.13	22.15	0
		12	0	20.55	21.27	21.27	1
		12	6	20.47	21.11	21.22	1
		12	13	20.38	21.13	21.12	1
		25	0	20.42	21.13	21.16	1
5M	16QAM	1	0	20.67	21.35	21.35	1
		1	12	20.35	21.03	21.14	1
		1	24	20.22	20.97	20.93	1
		12	0	19.36	20.12	20.09	2
		12	6	19.37	20.05	20.07	2
		12	13	19.32	20.03	20.09	2
		25	0	19.51	20.14	20.18	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	21.42	22.28	22.35	0
		1	7	21.53	22.13	22.16	0
		1	14	21.34	22.12	22.07	0
		8	0	20.39	21.11	21.22	1
		8	3	20.43	21.13	21.11	1
		8	7	20.39	21.09	20.99	1
		15	0	20.32	21.15	21.09	1
3M	16QAM	1	0	20.55	21.24	21.25	1
		1	7	20.35	21.07	20.94	1
		1	14	20.19	20.81	20.82	1
		8	0	19.33	19.95	20.11	2
		8	3	19.34	19.98	20.11	2
		8	7	19.35	19.99	20.02	2
		15	0	19.33	20.18	20.08	2
BW	MCS Index	Channel		23017	23095	23173	3GPP MPR
		Frequence (MHz)		699.7	707.5	715.3	
1.4M	QPSK	1	0	21.49	22.31	22.32	0
		1	2	21.39	22.28	22.11	0
		1	5	21.44	22.07	22.00	0
		3	0	20.44	21.06	21.23	1
		3	1	20.37	21.12	21.08	1
		3	3	20.34	21.00	21.09	1
		6	0	20.27	20.94	21.17	1
1.4M	16QAM	1	0	20.58	21.28	21.23	1
		1	2	20.17	20.99	21.01	1
		1	5	20.18	20.87	21.02	1
		3	0	19.38	19.98	20.00	2
		3	1	19.29	20.11	20.13	2
		3	3	19.27	19.90	20.02	2
		6	0	19.31	20.05	20.13	2

LTE Conducted Power (Full)							
LTE Band 13							
BW	MCS Index	RB Size	RB Offset		Mid		3GPP MPR (dB)
		Channel			23230		
		Frequence (MHz)			782		
10M	QPSK	1	0		22.62		0
		1	24		22.48		0
		1	49		22.42		0
		25	0		21.51		1
		25	12		21.41		1
		25	25		21.38		1
		50	0		21.47		1
10M	16QAM	1	0		21.43		1
		1	24		21.33		1
		1	49		21.28		1
		25	0		20.51		2
		25	12		20.48		2
		25	25		20.41		2
		50	0		20.56		2
BW	MCS Index	Channel		23205	23230	23255	3GPP MPR
		Frequence (MHz)		779.5	782	784.5	
5M	QPSK	1	0	22.54	22.41	22.46	0
		1	12	22.39	22.29	22.35	0
		1	24	22.40	22.33	22.38	0
		12	0	21.44	21.37	21.44	1
		12	6	21.35	21.26	21.26	1
		12	13	21.33	21.23	21.27	1
		25	0	21.40	21.37	21.37	1
5M	16QAM	1	0	21.38	21.28	21.38	1
		1	12	21.24	21.20	21.24	1
		1	24	21.22	21.17	21.19	1
		12	0	20.43	20.24	20.34	2
		12	6	20.39	20.33	20.33	2
		12	13	20.33	20.30	20.30	2
		25	0	20.47	20.34	20.39	2

LTE Conducted Power (Full)							
LTE Band 17							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		23780	23790	23800	
		Frequence (MHz)		709	710	711	
10M	QPSK	1	0	22.41	22.26	22.30	0
		1	24	22.27	22.16	22.20	0
		1	49	22.17	22.11	22.15	0
		25	0	21.47	21.32	21.32	1
		25	12	21.41	21.26	21.30	1
		25	25	21.37	21.22	21.26	1
		50	0	21.41	21.26	21.30	1
10M	16QAM	1	0	21.37	21.22	21.26	1
		1	24	21.23	21.08	21.12	1
		1	49	21.16	21.01	21.05	1
		25	0	20.47	20.32	20.20	2
		25	12	20.43	20.28	20.32	2
		25	25	20.39	20.24	20.28	2
		50	0	20.33	20.18	20.22	2
BW	MCS Index	Channel		23755	23790	23825	3GPP MPR
		Frequence (MHz)		706.5	710	713.5	
5M	QPSK	1	0	22.37	22.25	22.26	0
		1	12	22.20	22.11	22.15	0
		1	24	22.17	22.06	22.12	0
		12	0	21.39	21.26	21.27	1
		12	6	21.33	21.24	21.30	1
		12	13	21.28	21.13	21.26	1
		25	0	21.40	21.17	21.26	1
5M	16QAM	1	0	21.33	21.20	21.17	1
		1	12	21.17	20.99	21.10	1
		1	24	21.10	20.92	21.00	1
		12	0	20.46	20.27	20.15	2
		12	6	20.39	20.21	20.25	2
		12	13	20.37	20.23	20.23	2
		25	0	20.24	20.14	20.21	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	20.77	21.18	20.39	0
		1	50	20.62	21.03	20.24	0
		1	99	20.41	20.82	20.03	0
		50	0	19.56	19.97	19.18	1
		50	25	19.53	19.94	19.15	1
		50	50	19.42	19.83	19.04	1
		100	0	19.48	19.89	19.10	1
20M	16QAM	1	0	19.68	20.09	19.30	1
		1	50	19.43	19.84	19.05	1
		1	99	19.07	19.48	18.69	1
		50	0	18.48	18.89	18.10	2
		50	25	18.44	18.85	18.06	2
		50	50	17.98	18.39	17.60	2
		100	0	17.97	18.38	17.59	2
BW	MCS Index	Channel		26115	26365	26615	3GPP MPR
		Frequence (MHz)		1857.5	1882.5	1907.5	
15M	QPSK	1	0	20.70	21.17	20.35	0
		1	37	20.59	21.00	20.19	0
		1	74	20.36	20.76	20.00	0
		36	0	19.51	19.90	19.11	1
		36	19	19.49	19.88	19.14	1
		36	39	19.33	19.83	18.99	1
		75	0	19.41	19.80	19.02	1
15M	16QAM	1	0	19.61	20.08	19.28	1
		1	37	19.37	19.74	18.99	1
		1	74	19.07	19.45	18.66	1
		36	0	18.43	18.80	18.06	2
		36	19	18.38	18.79	18.01	2
		36	39	17.94	18.37	17.55	2
		75	0	17.95	18.36	17.53	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	20.67	21.14	20.30	0
		1	24	20.60	21.00	20.19	0
		1	49	20.38	20.75	19.95	0
		25	0	19.49	19.90	19.12	1
		25	12	19.53	19.89	19.11	1
		25	25	19.39	19.80	18.98	1
		50	0	19.39	19.89	19.01	1
10M	16QAM	1	0	19.59	20.08	19.21	1
		1	24	19.37	19.78	18.98	1
		1	49	18.99	19.42	18.64	1
		25	0	18.43	18.82	18.01	2
		25	12	18.41	18.80	17.96	2
		25	25	17.88	18.29	17.60	2
		50	0	17.90	18.31	17.53	2
BW	MCS Index	Channel		26065	26365	26665	3GPP MPR
		Frequence (MHz)		1852.5	1882.5	1912.5	
5M	QPSK	1	0	20.69	21.11	20.33	0
		1	12	20.55	20.93	20.23	0
		1	24	20.31	20.77	20.03	0
		12	0	19.46	19.95	19.16	1
		12	6	19.51	19.88	19.11	1
		12	13	19.39	19.73	18.94	1
		25	0	19.40	19.82	19.06	1
5M	16QAM	1	0	19.61	19.99	19.25	1
		1	12	19.39	19.74	19.01	1
		1	24	19.05	19.47	18.68	1
		12	0	18.41	18.86	18.06	2
		12	6	18.34	18.82	17.97	2
		12	13	17.92	18.33	17.53	2
		25	0	17.88	18.33	17.51	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	20.74	21.10	20.39	0
		1	7	20.52	20.99	20.18	0
		1	14	20.37	20.77	19.98	0
		8	0	19.49	19.93	19.18	1
		8	3	19.52	19.85	19.05	1
		8	7	19.38	19.76	19.00	1
		15	0	19.48	19.84	19.06	1
3M	16QAM	1	0	19.63	20.08	19.27	1
		1	7	19.43	19.81	19.03	1
		1	14	19.02	19.41	18.69	1
		8	0	18.40	18.80	18.07	2
		8	3	18.40	18.81	18.00	2
		8	7	17.92	18.35	17.52	2
		15	0	17.97	18.29	17.55	2
BW	MCS Index	Channel		26047	26365	26683	3GPP MPR
		Frequence (MHz)		1850.7	1882.5	1914.3	
1.4M	QPSK	1	0	20.55	20.97	20.18	0
		1	2	20.43	20.93	20.10	0
		1	5	20.32	20.73	19.82	0
		3	0	20.49	20.81	20.14	0
		3	1	20.36	20.71	20.10	0
		3	3	20.23	20.62	20.03	0
		6	0	19.41	19.70	19.05	1
1.4M	16QAM	1	0	19.61	20.05	19.16	1
		1	2	19.24	19.78	18.87	1
		1	5	18.89	19.45	18.52	1
		3	0	19.35	19.74	18.94	1
		3	1	19.29	19.73	18.95	1
		3	3	18.77	19.26	18.55	1
		6	0	17.90	18.32	17.68	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	21.94	21.83	21.84	0
		1	37	21.90	21.81	21.72	0
		1	74	21.82	21.77	21.73	0
		36	0	21.03	20.94	20.85	1
		36	19	20.98	20.90	20.88	1
		36	39	20.93	20.86	20.83	1
		75	0	20.99	20.95	20.87	1
15M	16QAM	1	0	21.26	21.18	21.12	1
		1	37	20.48	20.48	20.41	1
		1	74	20.44	20.42	20.40	1
		36	0	19.99	19.93	19.93	2
		36	19	19.94	19.89	19.81	2
		36	39	19.89	19.86	19.77	2
		75	0	20.04	20.04	20.02	2
BW	MCS Index	Channel		26740	26865	26990	3GPP MPR
		Frequence (MHz)		819	831.5	844	
10M	QPSK	1	0	21.93	21.79	21.77	0
		1	24	21.83	21.80	21.68	0
		1	49	21.82	21.75	21.73	0
		25	0	21.02	20.90	20.76	1
		25	12	20.90	20.84	20.82	1
		25	25	20.85	20.84	20.83	1
		50	0	20.92	20.95	20.87	1
10M	16QAM	1	0	21.16	21.14	21.06	1
		1	24	20.44	20.45	20.39	1
		1	49	20.43	20.39	20.31	1
		25	0	19.99	19.89	19.86	2
		25	12	19.86	19.81	19.73	2
		25	25	19.87	19.78	19.75	2
		50	0	19.98	19.97	19.92	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	21.88	21.77	21.75	0
		1	12	21.84	21.73	21.71	0
		1	24	21.80	21.69	21.64	0
		12	0	20.99	20.86	20.77	1
		12	6	20.95	20.89	20.78	1
		12	13	20.89	20.76	20.79	1
		25	0	20.95	20.86	20.87	1
5M	16QAM	1	0	21.23	21.16	21.07	1
		1	12	20.41	20.46	20.41	1
		1	24	20.40	20.38	20.34	1
		12	0	19.99	19.89	19.91	2
		12	6	19.85	19.82	19.73	2
		12	13	19.88	19.78	19.75	2
		25	0	20.03	19.99	19.98	2
BW	MCS Index	Channel		26705	26865	27025	3GPP MPR
		Frequence (MHz)		815.5	831.5	847.5	
3M	QPSK	1	0	21.90	21.75	21.75	0
		1	7	21.81	21.71	21.66	0
		1	14	21.82	21.67	21.65	0
		8	0	20.98	20.85	20.83	1
		8	3	20.90	20.85	20.78	1
		8	7	20.90	20.82	20.76	1
		15	0	20.94	20.95	20.86	1
3M	16QAM	1	0	21.24	21.15	21.10	1
		1	7	20.45	20.47	20.34	1
		1	14	20.42	20.39	20.39	1
		8	0	19.94	19.88	19.87	2
		8	3	19.89	19.79	19.79	2
		8	7	19.84	19.81	19.75	2
		15	0	19.94	19.94	20.00	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	21.83	21.59	21.74	0
		1	2	21.68	21.63	21.72	0
		1	5	21.69	21.74	21.51	0
		3	0	21.89	21.79	21.75	0
		3	1	21.92	21.84	21.80	0
		3	3	21.81	21.70	21.80	0
		6	0	20.80	20.93	20.71	1
1.4M	16QAM	1	0	21.16	21.03	21.11	1
		1	2	20.31	20.32	20.36	1
		1	5	20.30	20.35	20.16	1
		3	0	20.89	20.87	20.78	1
		3	1	20.77	20.76	20.73	1
		3	3	20.77	20.68	20.71	1
		6	0	19.89	19.82	19.80	2

LTE Conducted Power (Full)							
LTE Band 66							
BW	MCS Index	RB Size	RB Offset	Low	Mid	High	3GPP MPR (dB)
		Channel		132072	132322	132572	
		Frequence (MHz)		1720	1745	1770	
20M	QPSK	1	0	20.29	20.54	21.06	0
		1	50	20.79	20.82	20.87	0
		1	99	20.75	20.78	20.83	0
		50	0	19.92	19.95	20.00	1
		50	25	19.90	19.93	19.98	1
		50	50	19.87	19.90	19.95	1
		100	0	19.87	19.88	19.93	1
20M	16QAM	1	0	19.78	19.81	19.86	1
		1	50	19.67	19.70	19.75	1
		1	99	19.48	19.51	19.56	1
		50	0	18.93	18.96	19.01	2
		50	25	18.89	18.92	18.97	2
		50	50	18.85	18.88	18.93	2
		100	0	18.80	18.83	18.88	2
BW	MCS Index	Channel		132047	132322	132597	3GPP MPR
		Frequence (MHz)		1717.5	1745	1772.5	
15M	QPSK	1	0	20.23	20.53	21.02	0
		1	37	20.74	20.78	20.83	0
		1	74	20.67	20.78	20.83	0
		36	0	19.91	19.95	19.95	1
		36	19	19.84	19.89	19.90	1
		36	39	19.79	19.87	19.92	1
		75	0	19.82	19.82	19.83	1
15M	16QAM	1	0	19.78	19.80	19.82	1
		1	37	19.59	19.65	19.73	1
		1	74	19.43	19.46	19.54	1
		36	0	18.87	18.95	18.95	2
		36	19	18.82	18.85	18.89	2
		36	39	18.79	18.82	18.88	2
		75	0	18.80	18.74	18.87	2

LTE Conducted Power (Full)							
LTE Band 66							
BW	MCS Index	Channel		132022	132322	132622	3GPP MPR
		Frequence (MHz)		1715	1745	1775	
10M	QPSK	1	0	20.24	20.54	20.99	0
		1	24	20.73	20.72	20.81	0
		1	49	20.68	20.76	20.76	0
		25	0	19.83	19.87	19.93	1
		25	12	19.80	19.89	19.90	1
		25	25	19.77	19.82	19.92	1
		50	0	19.76	19.83	19.86	1
10M	16QAM	1	0	19.74	19.81	19.81	1
		1	24	19.65	19.67	19.68	1
		1	49	19.48	19.41	19.53	1
		25	0	18.93	18.96	18.91	2
		25	12	18.82	18.86	18.93	2
		25	25	18.77	18.82	18.85	2
		50	0	18.78	18.78	18.81	2
BW	MCS Index	Channel		131997	132322	132647	3GPP MPR
		Frequence (MHz)		1712.5	1745	1777.5	
5M	QPSK	1	0	20.21	20.50	20.96	0
		1	12	20.72	20.78	20.84	0
		1	24	20.65	20.69	20.80	0
		12	0	19.82	19.85	19.92	1
		12	6	19.90	19.91	19.88	1
		12	13	19.85	19.86	19.85	1
		25	0	19.85	19.87	19.87	1
5M	16QAM	1	0	19.71	19.73	19.77	1
		1	12	19.60	19.65	19.70	1
		1	24	19.43	19.51	19.50	1
		12	0	18.89	18.91	18.95	2
		12	6	18.88	18.88	18.97	2
		12	13	18.77	18.82	18.88	2
		25	0	18.78	18.75	18.87	2

LTE Conducted Power (Full)							
LTE Band 66							
BW	MCS Index	Channel		131987	132322	132657	3GPP MPR
		Frequence (MHz)		1711.5	1745	1778.5	
3M	QPSK	1	0	20.14	20.47	20.89	0
		1	7	20.59	20.81	20.75	0
		1	14	20.64	20.53	20.72	0
		8	0	19.83	19.80	19.92	1
		8	3	19.67	19.69	19.83	1
		8	7	19.77	19.85	19.87	1
		15	0	19.64	19.78	19.80	1
3M	16QAM	1	0	19.68	19.74	19.76	1
		1	7	19.54	19.51	19.62	1
		1	14	19.34	19.37	19.47	1
		8	0	18.71	18.77	18.86	2
		8	3	18.77	18.70	18.83	2
		8	7	18.74	18.72	18.74	2
		15	0	18.69	18.75	18.66	2
BW	MCS Index	Channel		131979	132322	132665	3GPP MPR
		Frequence (MHz)		1710.7	1745	1779.3	
1.4M	QPSK	1	0	20.16	20.49	20.88	0
		1	2	20.67	20.68	20.81	0
		1	5	20.64	20.59	20.69	0
		3	0	20.85	20.84	20.91	0
		3	1	20.75	20.90	20.89	0
		3	3	20.72	20.85	20.90	0
		6	0	19.73	19.66	19.84	1
1.4M	16QAM	1	0	19.72	19.65	19.63	1
		1	2	19.56	19.59	19.69	1
		1	5	19.34	19.36	19.46	1
		3	0	19.84	19.72	19.84	1
		3	1	19.77	19.73	19.90	1
		3	3	19.69	19.83	19.93	1
		6	0	18.76	18.74	18.76	2

WLAN Conducted Power (Full)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	14.93
	6	2437	14.66
	11	2462	14.85
802.11g	1	2412	8.72
	6	2437	8.81
	11	2462	8.64
802.11n HT20	1	2412	8.39
	6	2437	8.56
	11	2462	8.44

WLAN Conducted Power (Full)			
Bluetooth Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	11.65
	39	2441	12.8
	78	2480	11.84

WLAN Conducted Power (Full)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	14.02
	40	5200	13.67
	44	5220	13.68
	48	5240	13.71
802.11n HT20	36	5180	13.86
	40	5200	13.46
	44	5220	13.55
	48	5240	13.64

WLAN Conducted Power (Full)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	13.26
	153	5765	14.23
	157	5785	14.36
	161	5805	14.33
	165	5825	12.95
802.11n HT20	149	5745	13.93
	153	5765	14.02
	157	5785	14.09
	161	5805	13.86
	165	5825	13.17

Annex F. SAR Test Result

SAR Results for Body 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.

Body SAR Test Result

System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	GSM850	GPRS12	Front Face	0	251			Ant 0	-	1.00	27.50	26.24	1.34	0.17	0.000249	0.00
1	GSM850	GPRS12	Rear Face	0	251			Ant 0	-	1.00	27.50	26.24	1.34	0.15	0.000603	0.00
	GSM850	GPRS12	Left Side	0	251			Ant 0	-	1.00	27.50	26.24	1.34	-0.03	0.000421	0.00
	GSM850	GPRS12	Right Side	0	251			Ant 0	-	1.00	27.50	26.24	1.34	0.03	0.000207	0.00
	GSM850	GPRS12	Top Side	0	251			Ant 0	-	1.00	27.50	26.24	1.34	0.02	0.000388	0.00
	GSM850	GPRS12	Bottom Side	0	251			Ant 0	-	1.00	27.50	26.24	1.34	0.01	0.000197	0.00
	GSM850	GPRS12	Rear Face	0	128			Ant 0	-	1.00	27.50	26.21	1.35	-0.03	0.000521	0.00
	GSM850	GPRS12	Rear Face	0	189			Ant 0	-	1.00	27.50	26.18	1.36	-0.02	0.000477	0.00
	GSM1900	GPRS12	Front Face	0	512			Ant 0	-	1.00	26.50	25.33	1.31	0.15	<0.001	0.00
	GSM1900	GPRS12	Rear Face	0	661			Ant 0	-	1.00	26.50	25.36	1.30	0.02	0.505	0.66
	GSM1900	GPRS12	Left Side	0	661			Ant 0	-	1.00	26.50	25.36	1.30	-0.16	0.148	0.19
	GSM1900	GPRS12	Right Side	0	661			Ant 0	-	1.00	26.50	25.36	1.30	0	<0.001	0.00
	GSM1900	GPRS12	Top Side	0	661			Ant 0	-	1.00	26.50	25.36	1.30	-0.12	0.089	0.12
	GSM1900	GPRS12	Bottom Side	0	661			Ant 0	-	1.00	26.50	25.36	1.30	-0.11	<0.001	0.00
	GSM1900	GPRS12	Rear Face	0	512			Ant 0	-	1.00	26.50	25.33	1.31	-0.12	0.313	0.41
2	GSM1900	GPRS12	Rear Face	0	810			Ant 0	-	1.00	26.50	24.69	1.52	-0.06	0.589	0.90
	WCDMA II	RMC12.2K	Front Face	0	9400			Ant 0	-	1.00	20.50	19.65	1.22	0.08	0.072	0.09
	WCDMA II	RMC12.2K	Rear Face	0	9400			Ant 0	-	1.00	20.50	19.65	1.22	-0.1	0.364	0.44
	WCDMA II	RMC12.2K	Left Side	0	9400			Ant 0	-	1.00	20.50	19.65	1.22	0.09	0.139	0.17
	WCDMA II	RMC12.2K	Right Side	0	9400			Ant 0	-	1.00	20.50	19.65	1.22	0	<0.001	0.00
	WCDMA II	RMC12.2K	Top Side	0	9400			Ant 0	-	1.00	20.50	19.65	1.22	-0.07	0.081	0.10
	WCDMA II	RMC12.2K	Bottom Side	0	9400			Ant 0	-	1.00	20.50	19.65	1.22	0	<0.001	0.00
	WCDMA II	RMC12.2K	Rear Face	0	9262			Ant 0	-	1.00	20.50	19.35	1.30	-0.18	0.309	0.40
3	WCDMA II	RMC12.2K	Rear Face	0	9538			Ant 0	-	1.00	20.50	19.48	1.26	0.03	0.393	0.50
	WCDMA IV	RMC12.2K	Front Face	0	1413			Ant 0	-	1.00	21.50	21.36	1.03	0	<0.001	0.00
4	WCDMA IV	RMC12.2K	Rear Face	0	1413			Ant 0	-	1.00	21.50	21.36	1.03	-0.04	0.297	0.31
	WCDMA IV	RMC12.2K	Left Side	0	1413			Ant 0	-	1.00	21.50	21.36	1.03	-0.01	0.083	0.09
	WCDMA IV	RMC12.2K	Right Side	0	1413			Ant 0	-	1.00	21.50	21.36	1.03	0	<0.001	0.00
	WCDMA IV	RMC12.2K	Top Side	0	1413			Ant 0	-	1.00	21.50	21.36	1.03	0.11	0.066	0.07
	WCDMA IV	RMC12.2K	Bottom Side	0	1413			Ant 0	-	1.00	21.50	21.36	1.03	0	<0.001	0.00
	WCDMA IV	RMC12.2K	Rear Face	0	1312			Ant 0	-	1.00	21.50	21.29	1.05	0.15	0.256	0.27
	WCDMA IV	RMC12.2K	Rear Face	0	1513			Ant 0	-	1.00	21.50	21.23	1.06	-0.05	0.284	0.30
	WCDMA V	RMC12.2K	Front Face	0	4132			Ant 0	-	1.00	23.00	21.17	1.52	0	<0.001	0.00
5	WCDMA V	RMC12.2K	Rear Face	0	4132			Ant 0	-	1.00	23.00	21.17	1.52	0	0.00151	0.00
	WCDMA V	RMC12.2K	Left Side	0	4132			Ant 0	-	1.00	23.00	21.17	1.52	0	<0.001	0.00
	WCDMA V	RMC12.2K	Right Side	0	4132			Ant 0	-	1.00	23.00	21.17	1.52	0	<0.001	0.00
	WCDMA V	RMC12.2K	Top Side	0	4132			Ant 0	-	1.00	23.00	21.17	1.52	0	<0.001	0.00
	WCDMA V	RMC12.2K	Bottom Side	0	4132			Ant 0	-	1.00	23.00	21.17	1.52	0	<0.001	0.00
	WCDMA V	RMC12.2K	Rear Face	0	4182			Ant 0	-	1.00	23.00	21.06	1.56	0	0.00137	0.00
	WCDMA V	RMC12.2K	Rear Face	0	4233			Ant 0	-	1.00	23.00	21.01	1.58	0	0.00136	0.00

Body SAR Test Result

System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 5	QPSK10M	Front Face	0	20600	1	0	Ant 0	-	1.00	23.50	22.91	1.15	0	<0.001	0.00
8	LTE 5	QPSK10M	Rear Face	0	20600	1	0	Ant 0	-	1.00	23.50	22.91	1.15	0	0.00247	0.00
	LTE 5	QPSK10M	Left Side	0	20600	1	0	Ant 0	-	1.00	23.50	22.91	1.15	0	<0.001	0.00
	LTE 5	QPSK10M	Right Side	0	20600	1	0	Ant 0	-	1.00	23.50	22.91	1.15	0	<0.001	0.00
	LTE 5	QPSK10M	Top Side	0	20600	1	0	Ant 0	-	1.00	23.50	22.91	1.15	0	<0.001	0.00
	LTE 5	QPSK10M	Bottom Side	0	20600	1	0	Ant 0	-	1.00	23.50	22.91	1.15	0	<0.001	0.00
	LTE 5	QPSK10M	Front Face	0	20600	25	0	Ant 0	-	1.00	22.50	21.85	1.16	0	<0.001	0.00
	LTE 5	QPSK10M	Rear Face	0	20600	25	0	Ant 0	-	1.00	22.50	21.85	1.16	0	0.00213	0.00
	LTE 5	QPSK10M	Left Side	0	20600	25	0	Ant 0	-	1.00	22.50	21.85	1.16	0	<0.001	0.00
	LTE 5	QPSK10M	Right Side	0	20600	25	0	Ant 0	-	1.00	22.50	21.85	1.16	0	<0.001	0.00
	LTE 5	QPSK10M	Top Side	0	20600	25	0	Ant 0	-	1.00	22.50	21.85	1.16	0	<0.001	0.00
	LTE 5	QPSK10M	Bottom Side	0	20600	25	0	Ant 0	-	1.00	22.50	21.85	1.16	0	<0.001	0.00
	LTE 5	QPSK10M	Rear Face	0	20450	1	0	Ant 0	-	1.00	23.50	22.14	1.37	0	<0.001	0.00
	LTE 5	QPSK10M	Rear Face	0	20525	1	0	Ant 0	-	1.00	23.50	22.69	1.21	0	0.00241	0.00
	LTE 7	QPSK20M	Front Face	0	20850	1	0	Ant 0	-	1.00	21.00	20.51	1.12	0	<0.001	0.00
	LTE 7	QPSK20M	Rear Face	0	20850	1	0	Ant 0	-	1.00	21.00	20.51	1.12	-0.15	0.278	0.31
	LTE 7	QPSK20M	Left Side	0	20850	1	0	Ant 0	-	1.00	21.00	20.51	1.12	-0.05	0.116	0.13
	LTE 7	QPSK20M	Right Side	0	20850	1	0	Ant 0	-	1.00	21.00	20.51	1.12	0	<0.001	0.00
	LTE 7	QPSK20M	Top Side	0	20850	1	0	Ant 0	-	1.00	21.00	20.51	1.12	-0.16	0.06	0.07
	LTE 7	QPSK20M	Bottom Side	0	20850	1	0	Ant 0	-	1.00	21.00	20.51	1.12	0	<0.001	0.00
	LTE 7	QPSK20M	Front Face	0	20850	50	0	Ant 0	-	1.00	20.00	19.57	1.10	0	<0.001	0.00
	LTE 7	QPSK20M	Rear Face	0	20850	50	0	Ant 0	-	1.00	20.00	19.57	1.10	-0.14	0.245	0.27
	LTE 7	QPSK20M	Left Side	0	20850	50	0	Ant 0	-	1.00	20.00	19.57	1.10	-0.14	0.095	0.10
	LTE 7	QPSK20M	Right Side	0	20850	50	0	Ant 0	-	1.00	20.00	19.57	1.10	0	<0.001	0.00
	LTE 7	QPSK20M	Top Side	0	20850	50	0	Ant 0	-	1.00	20.00	19.57	1.10	-0.07	0.052	0.06
	LTE 7	QPSK20M	Bottom Side	0	20850	50	0	Ant 0	-	1.00	20.00	19.57	1.10	0	<0.001	0.00
	LTE 7	QPSK20M	Rear Face	0	21100	1	0	Ant 0	-	1.00	21.00	20.38	1.15	0.08	0.232	0.27
9	LTE 7	QPSK20M	Rear Face	0	21350	1	0	Ant 0	-	1.00	21.00	19.23	1.50	-0.15	0.284	0.43
	LTE 12	QPSK10M	Front Face	0	23130	1	0	Ant 0	-	1.00	23.00	22.39	1.15	0	<0.001	0.00
10	LTE 12	QPSK10M	Rear Face	0	23130	1	0	Ant 0	-	1.00	23.00	22.39	1.15	0.06	0.0056	0.01
	LTE 12	QPSK10M	Left Side	0	23130	1	0	Ant 0	-	1.00	23.00	22.39	1.15	0	<0.001	0.00
	LTE 12	QPSK10M	Right Side	0	23130	1	0	Ant 0	-	1.00	23.00	22.39	1.15	0	<0.001	0.00
	LTE 12	QPSK10M	Top Side	0	23130	1	0	Ant 0	-	1.00	23.00	22.39	1.15	0	<0.001	0.00
	LTE 12	QPSK10M	Bottom Side	0	23130	1	0	Ant 0	-	1.00	23.00	22.39	1.15	0	<0.001	0.00
	LTE 12	QPSK10M	Front Face	0	23130	25	0	Ant 0	-	1.00	22.00	21.29	1.18	0	<0.001	0.00
	LTE 12	QPSK10M	Rear Face	0	23130	25	0	Ant 0	-	1.00	22.00	21.29	1.18	0.01	0.0044	0.01
	LTE 12	QPSK10M	Left Side	0	23130	25	0	Ant 0	-	1.00	22.00	21.29	1.18	0	<0.001	0.00
	LTE 12	QPSK10M	Right Side	0	23130	25	0	Ant 0	-	1.00	22.00	21.29	1.18	0	<0.001	0.00
	LTE 12	QPSK10M	Top Side	0	23130	25	0	Ant 0	-	1.00	22.00	21.29	1.18	0	<0.001	0.00
	LTE 12	QPSK10M	Bottom Side	0	23130	25	0	Ant 0	-	1.00	22.00	21.29	1.18	0	<0.001	0.00
	LTE 12	QPSK10M	Rear Face	0	23060	1	0	Ant 0	-	1.00	23.00	21.66	1.36	0.01	0.0054	0.01
	LTE 12	QPSK10M	Rear Face	0	23095	1	0	Ant 0	-	1.00	23.00	22.37	1.16	0.08	0.0051	0.01

Body SAR Test Result

System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 13	QPSK10M	Front Face	0	23230	1	0	Ant 0	-	1.00	23.00	22.62	1.09	0	<0.001	0.00
11	LTE 13	QPSK10M	Rear Face	0	23230	1	0	Ant 0	-	1.00	23.00	22.62	1.09	0	0.00229	0.00
	LTE 13	QPSK10M	Left Side	0	23230	1	0	Ant 0	-	1.00	23.00	22.62	1.09	0	<0.001	0.00
	LTE 13	QPSK10M	Right Side	0	23230	1	0	Ant 0	-	1.00	23.00	22.62	1.09	0	<0.001	0.00
	LTE 13	QPSK10M	Top Side	0	23230	1	0	Ant 0	-	1.00	23.00	22.62	1.09	0	<0.001	0.00
	LTE 13	QPSK10M	Bottom Side	0	23230	1	0	Ant 0	-	1.00	23.00	22.62	1.09	0	<0.001	0.00
	LTE 13	QPSK10M	Front Face	0	23230	25	0	Ant 0	-	1.00	22.00	21.51	1.12	0	<0.001	0.00
	LTE 13	QPSK10M	Rear Face	0	23230	25	0	Ant 0	-	1.00	22.00	21.51	1.12	0	0.00221	0.00
	LTE 13	QPSK10M	Left Side	0	23230	25	0	Ant 0	-	1.00	22.00	21.51	1.12	0	<0.001	0.00
	LTE 13	QPSK10M	Right Side	0	23230	25	0	Ant 0	-	1.00	22.00	21.51	1.12	0	<0.001	0.00
	LTE 13	QPSK10M	Top Side	0	23230	25	0	Ant 0	-	1.00	22.00	21.51	1.12	0	<0.001	0.00
	LTE 13	QPSK10M	Bottom Side	0	23230	25	0	Ant 0	-	1.00	22.00	21.51	1.12	0	<0.001	0.00
	LTE 25	QPSK20M	Front Face	0	26365	1	0	Ant 0	-	1.00	21.50	21.18	1.08	0.15	0.093	0.10
	LTE 25	QPSK20M	Rear Face	0	26365	1	0	Ant 0	-	1.00	21.50	21.18	1.08	-0.03	0.469	0.51
	LTE 25	QPSK20M	Left Side	0	26365	1	0	Ant 0	-	1.00	21.50	21.18	1.08	-0.08	0.179	0.19
	LTE 25	QPSK20M	Right Side	0	26365	1	0	Ant 0	-	1.00	21.50	21.18	1.08	0	<0.001	0.00
	LTE 25	QPSK20M	Top Side	0	26365	1	0	Ant 0	-	1.00	21.50	21.18	1.08	0.07	0.108	0.12
	LTE 25	QPSK20M	Bottom Side	0	26365	1	0	Ant 0	-	1.00	21.50	21.18	1.08	0	<0.001	0.00
	LTE 25	QPSK20M	Front Face	0	26365	50	0	Ant 0	-	1.00	20.50	19.97	1.13	-0.16	0.071	0.08
	LTE 25	QPSK20M	Rear Face	0	26365	50	0	Ant 0	-	1.00	20.50	19.97	1.13	0.05	0.385	0.44
	LTE 25	QPSK20M	Left Side	0	26365	50	0	Ant 0	-	1.00	20.50	19.97	1.13	-0.12	0.126	0.14
	LTE 25	QPSK20M	Right Side	0	26365	50	0	Ant 0	-	1.00	20.50	19.97	1.13	0	<0.001	0.00
	LTE 25	QPSK20M	Top Side	0	26365	50	0	Ant 0	-	1.00	20.50	19.97	1.13	-0.07	0.086	0.10
	LTE 25	QPSK20M	Bottom Side	0	26365	50	0	Ant 0	-	1.00	20.50	19.97	1.13	0	<0.001	0.00
	LTE 25	QPSK20M	Rear Face	0	26140	1	0	Ant 0	-	1.00	21.50	20.77	1.18	-0.19	0.444	0.52
13	LTE 25	QPSK20M	Rear Face	0	26590	1	0	Ant 0	-	1.00	21.50	20.39	1.29	0.08	0.519	0.67
	LTE 26	QPSK15M	Front Face	0	26765	1	0	Ant 0	-	1.00	23.00	21.94	1.28	0	<0.001	0.00
15	LTE 26	QPSK15M	Rear Face	0	26765	1	0	Ant 0	-	1.00	23.00	21.94	1.28	0	<0.001	0.00
	LTE 26	QPSK15M	Left Side	0	26765	1	0	Ant 0	-	1.00	23.00	21.94	1.28	0	<0.001	0.00
	LTE 26	QPSK15M	Right Side	0	26765	1	0	Ant 0	-	1.00	23.00	21.94	1.28	0	<0.001	0.00
	LTE 26	QPSK15M	Top Side	0	26765	1	0	Ant 0	-	1.00	23.00	21.94	1.28	0	<0.001	0.00
	LTE 26	QPSK15M	Bottom Side	0	26765	1	0	Ant 0	-	1.00	23.00	21.94	1.28	0	<0.001	0.00
	LTE 26	QPSK15M	Front Face	0	26765	36	0	Ant 0	-	1.00	22.00	21.03	1.25	0	<0.001	0.00
	LTE 26	QPSK15M	Rear Face	0	26765	36	0	Ant 0	-	1.00	22.00	21.03	1.25	0	<0.001	0.00
	LTE 26	QPSK15M	Left Side	0	26765	36	0	Ant 0	-	1.00	22.00	21.03	1.25	0	<0.001	0.00
	LTE 26	QPSK15M	Right Side	0	26765	36	0	Ant 0	-	1.00	22.00	21.03	1.25	0	<0.001	0.00
	LTE 26	QPSK15M	Top Side	0	26765	36	0	Ant 0	-	1.00	22.00	21.03	1.25	0	<0.001	0.00
	LTE 26	QPSK15M	Bottom Side	0	26765	36	0	Ant 0	-	1.00	22.00	21.03	1.25	0	<0.001	0.00
	LTE 26	QPSK15M	Rear Face	0	26865	1	0	Ant 0	-	1.00	23.00	21.83	1.31	0	<0.001	0.00
	LTE 26	QPSK15M	Rear Face	0	26965	1	0	Ant 0	-	1.00	23.00	21.84	1.31	0	<0.001	0.00

Body SAR Test Result

System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	LTE 66	QPSK20M	Front Face	0	132572	1	0	Ant 0	-	1.00	22.00	21.06	1.24	0.05	0.046	0.06
	LTE 66	QPSK20M	Rear Face	0	132572	1	0	Ant 0	-	1.00	22.00	21.06	1.24	-0.11	0.277	0.34
	LTE 66	QPSK20M	Left Side	0	132572	1	0	Ant 0	-	1.00	22.00	21.06	1.24	-0.06	0.111	0.14
	LTE 66	QPSK20M	Right Side	0	132572	1	0	Ant 0	-	1.00	22.00	21.06	1.24	0	<0.001	0.00
	LTE 66	QPSK20M	Top Side	0	132572	1	0	Ant 0	-	1.00	22.00	21.06	1.24	-0.08	0.096	0.12
	LTE 66	QPSK20M	Bottom Side	0	132572	1	0	Ant 0	-	1.00	22.00	21.06	1.24	0	<0.001	0.00
	LTE 66	QPSK20M	Front Face	0	132572	50	0	Ant 0	-	1.00	21.00	20.00	1.26	-0.03	0.035	0.04
	LTE 66	QPSK20M	Rear Face	0	132572	50	0	Ant 0	-	1.00	21.00	20.00	1.26	-0.15	0.232	0.29
	LTE 66	QPSK20M	Left Side	0	132572	50	0	Ant 0	-	1.00	21.00	20.00	1.26	0.13	0.087	0.11
	LTE 66	QPSK20M	Right Side	0	132572	50	0	Ant 0	-	1.00	21.00	20.00	1.26	0	<0.001	0.00
	LTE 66	QPSK20M	Top Side	0	132572	50	0	Ant 0	-	1.00	21.00	20.00	1.26	-0.12	0.066	0.08
	LTE 66	QPSK20M	Bottom Side	0	132572	50	0	Ant 0	-	1.00	21.00	20.00	1.26	0	<0.001	0.00
	LTE 66	QPSK20M	Rear Face	0	132072	1	50	Ant 0	-	1.00	22.00	20.79	1.32	0.16	0.259	0.34
16	LTE 66	QPSK20M	Rear Face	0	132322	1	50	Ant 0	-	1.00	22.00	20.82	1.31	-0.12	0.405	0.53
	WLAN2.4G	802.11b	Front Face	0	1			Ant 1	97.50	1.03	15.00	14.93	1.02	-0.09	0.063	0.07
	WLAN2.4G	802.11b	Rear Face	0	1			Ant 1	97.50	1.03	15.00	14.93	1.02	0.04	0.164	0.17
	WLAN2.4G	802.11b	Left Side	0	1			Ant 1	97.50	1.03	15.00	14.93	1.02	0	<0.001	0.00
	WLAN2.4G	802.11b	Right Side	0	1			Ant 1	97.50	1.03	15.00	14.93	1.02	-0.02	0.061	0.06
	WLAN2.4G	802.11b	Top Side	0	1			Ant 1	97.50	1.03	15.00	14.93	1.02	0.1	0.234	0.25
	WLAN2.4G	802.11b	Bottom Side	0	1			Ant 1	97.50	1.03	15.00	14.93	1.02	0	<0.001	0.00
	WLAN2.4G	802.11b	Top Side	0	6			Ant 1	97.50	1.03	15.00	14.66	1.08	0.03	0.201	0.22
17	WLAN2.4G	802.11b	Top Side	0	11			Ant 1	97.50	1.03	15.00	14.85	1.04	0.14	0.287	0.31
	WLAN5.2G	802.11a	Front Face	0	36			Ant 1	85.80	1.17	14.50	14.02	1.12	-0.12	0.324	0.42
	WLAN5.2G	802.11a	Rear Face	0	36			Ant 1	85.80	1.17	14.50	14.02	1.12	0.11	0.493	0.65
	WLAN5.2G	802.11a	Left Side	0	36			Ant 1	85.80	1.17	14.50	14.02	1.12	-0.08	0.129	0.17
	WLAN5.2G	802.11a	Right Side	0	36			Ant 1	85.80	1.17	14.50	14.02	1.12	0.01	0.239	0.31
	WLAN5.2G	802.11a	Top Side	0	36			Ant 1	85.80	1.17	14.50	14.02	1.12	0.04	0.669	0.88
	WLAN5.2G	802.11a	Bottom Side	0	36			Ant 1	85.80	1.17	14.50	14.02	1.12	0	<0.001	0.00
	WLAN5.2G	802.11a	Top Side	0	40			Ant 1	85.80	1.17	14.00	13.67	1.08	-0.14	0.689	0.87
	WLAN5.2G	802.11a	Top Side	0	44			Ant 1	85.80	1.17	14.00	13.68	1.08	0.01	0.826	1.04
18	WLAN5.2G	802.11a	Top Side	0	48			Ant 1	85.80	1.17	14.00	13.71	1.07	-0.02	0.847	1.06
	WLAN5.2G	802.11a	Top Side	0	48			Ant 1	85.80	1.17	14.00	13.71	1.07	-0.03	0.838	1.05

Body SAR Test Result

System & Position								DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	RB#	RB offset	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN5.8G	802.11a	Front Face	0	157			Ant 1	85.80	1.17	14.50	14.36	1.03	-0.14	0.045	0.05
	WLAN5.8G	802.11a	Rear Face	0	157			Ant 1	85.80	1.17	14.50	14.36	1.03	0.02	0.062	0.07
	WLAN5.8G	802.11a	Left Side	0	157			Ant 1	85.80	1.17	14.50	14.36	1.03	0	<0.001	0.00
	WLAN5.8G	802.11a	Right Side	0	157			Ant 1	85.80	1.17	14.50	14.36	1.03	0.06	0.038	0.05
	WLAN5.8G	802.11a	Top Side	0	157			Ant 1	85.80	1.17	14.50	14.36	1.03	0.06	0.101	0.12
	WLAN5.8G	802.11a	Bottom Side	0	157			Ant 1	85.80	1.17	14.50	14.36	1.03	0	<0.001	0.00
19	WLAN5.8G	802.11a	Top Side	0	149			Ant 1	85.80	1.17	13.50	13.26	1.06	-0.09	0.144	0.18
	WLAN5.8G	802.11a	Top Side	0	153			Ant 1	85.80	1.17	14.50	14.23	1.06	0.03	0.103	0.13
	WLAN5.8G	802.11a	Top Side	0	161			Ant 1	85.80	1.17	14.50	14.33	1.04	-0.18	0.099	0.12
	WLAN5.8G	802.11a	Top Side	0	165			Ant 1	85.80	1.17	13.00	12.95	1.01	-0.02	0.102	0.12
	BT	BR / EDR	Front Face	0	39			Ant 1	76.92	1.30	13.00	12.80	1.05	0	<0.001	0.00
	BT	BR / EDR	Rear Face	0	39			Ant 1	76.92	1.30	13.00	12.80	1.05	-0.14	0.053	0.07
	BT	BR / EDR	Left Side	0	39			Ant 1	76.92	1.30	13.00	12.80	1.05	0	<0.001	0.00
	BT	BR / EDR	Right Side	0	39			Ant 1	76.92	1.30	13.00	12.80	1.05	0	<0.001	0.00
	BT	BR / EDR	Top Side	0	39			Ant 1	76.92	1.30	13.00	12.80	1.05	-0.04	0.061	0.08
	BT	BR / EDR	Bottom Side	0	39			Ant 1	76.92	1.30	13.00	12.80	1.05	0	<0.001	0.00
20	BT	BR / EDR	Top Side	0	0			Ant 1	76.92	1.30	13.00	11.65	1.36	-0.16	0.064	0.11
	BT	BR / EDR	Top Side	0	78			Ant 1	76.92	1.30	13.00	11.84	1.31	-0.04	0.055	0.09

Annex G. SAR Measurement Variability

SAR repeated measurement are shown as below .

Repeat SAR							
Plot	Band	Mode	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio
R18	WLAN5.2G	802.11a	Top Side	48	0.847	0.838	1.01

Annex H. Analysis of Simultaneous Transmission SAR.

The analysis of simultaneous transmission SAR are shown as below.

<Possibilities of Simultaneous Transmission>

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

Simultaneous TX Combination	Capable Transmit Configurations	Body Exposure Condition
A	Max WWAN+ WLAN 2.4G_Ant 1	Yes
B	Max WWAN+ WLAN 5G_Ant 1	Yes
C	Max WWAN+ BT_Ant 1	Yes

Notes

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

Simultaneous Transmission SAR Evaluation (Body)								
Band	Position	1	2	3	4	A(1+2)	B(1+3)	C(1+4)
		Max WWAN	WLAN 2.4GHz Ant 1	Max WLAN 5GHz	BT Ant 1	Summimg result 1g SAR	Summimg result 1g SAR	Summimg result 1g SAR
GSM850	Front Face	0.00	0.07	0.42	0.00	0.07	0.42	0.00
	Rear Face	0.00	0.17	0.69	0.07	0.17	0.69	0.07
	Left Side	0.00	0.00	0.17	0.00	0.00	0.17	0.00
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.00	0.31	1.06	0.11	0.31	1.06	0.11
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GSM1900	Front Face	0.00	0.07	0.42	0.00	0.07	0.42	0.00
	Rear Face	0.90	0.17	0.65	0.07	1.07	1.55	0.97
	Left Side	0.19	0.00	0.17	0.00	0.19	0.36	0.19
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.12	0.31	1.06	0.11	0.43	1.18	0.23
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WCDMA II	Front Face	0.09	0.07	0.42	0.00	0.16	0.51	0.09
	Rear Face	0.50	0.17	0.69	0.07	0.67	1.19	0.57
	Left Side	0.17	0.00	0.17	0.00	0.17	0.34	0.17
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.10	0.31	1.06	0.11	0.41	1.16	0.21
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WCDMA IV	Front Face	0.00	0.07	0.42	0.00	0.07	0.42	0.00
	Rear Face	0.31	0.17	0.69	0.07	0.48	1.00	0.38
	Left Side	0.09	0.00	0.17	0.00	0.09	0.26	0.09
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.07	0.31	1.06	0.11	0.38	1.13	0.18
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WCDMA V	Front Face	0.00	0.07	0.42	0.00	0.07	0.42	0.00
	Rear Face	0.00	0.17	0.69	0.07	0.17	0.69	0.07
	Left Side	0.00	0.00	0.17	0.00	0.00	0.17	0.00
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.00	0.31	1.06	0.11	0.31	1.06	0.11
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE 5	Front Face	0.00	0.07	0.42	0.00	0.07	0.42	0.00
	Rear Face	0.00	0.17	0.69	0.07	0.17	0.69	0.07
	Left Side	0.00	0.00	0.17	0.00	0.00	0.17	0.00
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.00	0.31	1.06	0.11	0.31	1.06	0.11
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE 7	Front Face	0.00	0.07	0.42	0.00	0.07	0.42	0.00
	Rear Face	0.43	0.17	0.69	0.07	0.60	1.12	0.50
	Left Side	0.13	0.00	0.17	0.00	0.13	0.30	0.13
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.07	0.31	1.06	0.11	0.38	1.13	0.18
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Simultaneous Transmission SAR Evaluation (Body)								
Band	Position	1	2	3	4	A(1+2)	B(1+3)	C(1+4)
		Max WWAN	WLAN 2.4GHz Ant 1	Max WLAN 5GHz	BT Ant 1	Summimg result 1g SAR	Summimg result 1g SAR	Summimg result 1g SAR
LTE 12	Front Face	0.00	0.07	0.42	0.00	0.07	0.42	0.00
	Rear Face	0.01	0.17	0.69	0.07	0.18	0.70	0.08
	Left Side	0.00	0.00	0.17	0.00	0.00	0.17	0.00
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.00	0.31	1.06	0.11	0.31	1.06	0.11
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE 13	Front Face	0.00	0.07	0.42	0.00	0.07	0.42	0.00
	Rear Face	0.00	0.17	0.69	0.07	0.17	0.69	0.07
	Left Side	0.00	0.00	0.17	0.00	0.00	0.17	0.00
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.00	0.31	1.06	0.11	0.31	1.06	0.11
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE 25	Front Face	0.10	0.07	0.42	0.00	0.17	0.52	0.10
	Rear Face	0.67	0.17	0.69	0.07	0.84	1.36	0.74
	Left Side	0.19	0.00	0.17	0.00	0.19	0.36	0.19
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.12	0.31	1.06	0.11	0.43	1.18	0.23
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE 26	Front Face	0.00	0.07	0.42	0.00	0.07	0.42	0.00
	Rear Face	0.00	0.17	0.69	0.07	0.17	0.69	0.07
	Left Side	0.00	0.00	0.17	0.00	0.00	0.17	0.00
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.00	0.31	1.06	0.11	0.31	1.06	0.11
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE 66	Front Face	0.06	0.07	0.42	0.00	0.13	0.48	0.06
	Rear Face	0.53	0.17	0.69	0.07	0.70	1.22	0.60
	Left Side	0.14	0.00	0.17	0.00	0.14	0.31	0.14
	Right Side	0.00	0.06	0.31	0.00	0.06	0.31	0.00
	Top Side	0.12	0.31	1.06	0.11	0.43	1.18	0.23
	Bottom Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annex I. SAR to Peak Location Separation Ratio Analysis.

Since sum of simultaneous transmission SAR is less than the SAR limit for Body :
SAR1g 1.6 W/kg ; Extremity SAR10g 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 Years
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	2 Years
Dosimetric E-Field Probe	SPEAG	EX3DV4	3971	Jan. 25, 2022	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7554	Aug. 26, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1277	Jan. 19, 2022	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1589	Aug. 20, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1590	Sep. 20, 2021	1 Year
Universal Radio Communication Tester	Anritsu	MT8821C	6201381727	Aug. 24, 2021	1 Year
Spectrum Analyzer	R&S	FSL6	102006	Apr. 12, 2022	1 Year
Universal Wireless Test Set	Anritsu	MT8870A	6201699387	Sep. 22, 2021	1 Year
Thermometer	YFE	YF-160A	120702365	Aug. 06, 2021	1 Year
Dielectric Assessment Kit	SPEAG	DAKS-3.5	1092	May. 23, 2022	1 Year
Powersource1	SPEAG	SE_UMS_160 BA	4260	Jan. 13, 2022	1 Year

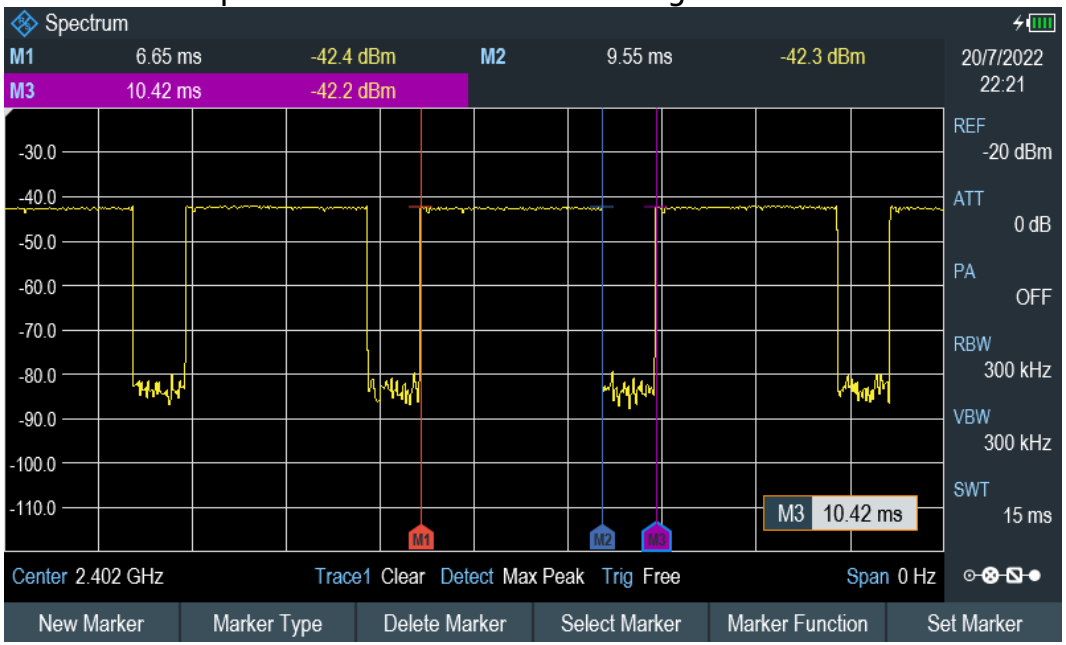
Annex K. Considerations Related to Bluetooth for Setup and Testing

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 = (9.55 - 6.65) / (10.42 - 6.65) = 76.92%