

Plots of System Verification

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: 2021/11/15

S01 System Check_H2450_211115

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

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

Medium: H19T27N1_1115 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.885$ S/m; $\epsilon_r = 38.957$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2450 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.15 W/kg

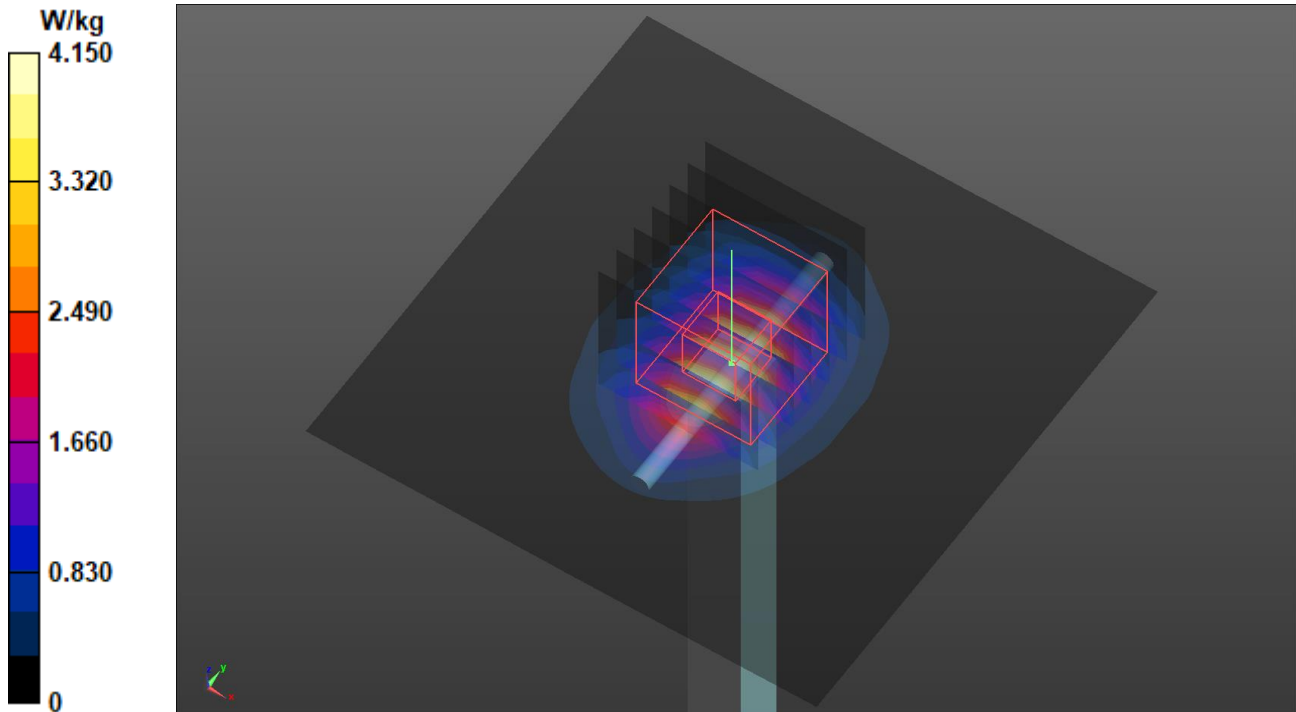
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.98 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.16 W/kg

SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.16 W/kg (SAR corrected for target medium)

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



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/15

S02 System Check_H5250_211115

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

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

Medium: H34T60N1_1115 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.573$ S/m; $\epsilon_r = 36.637$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.75, 4.75, 4.75) @ 5250 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.86 W/kg

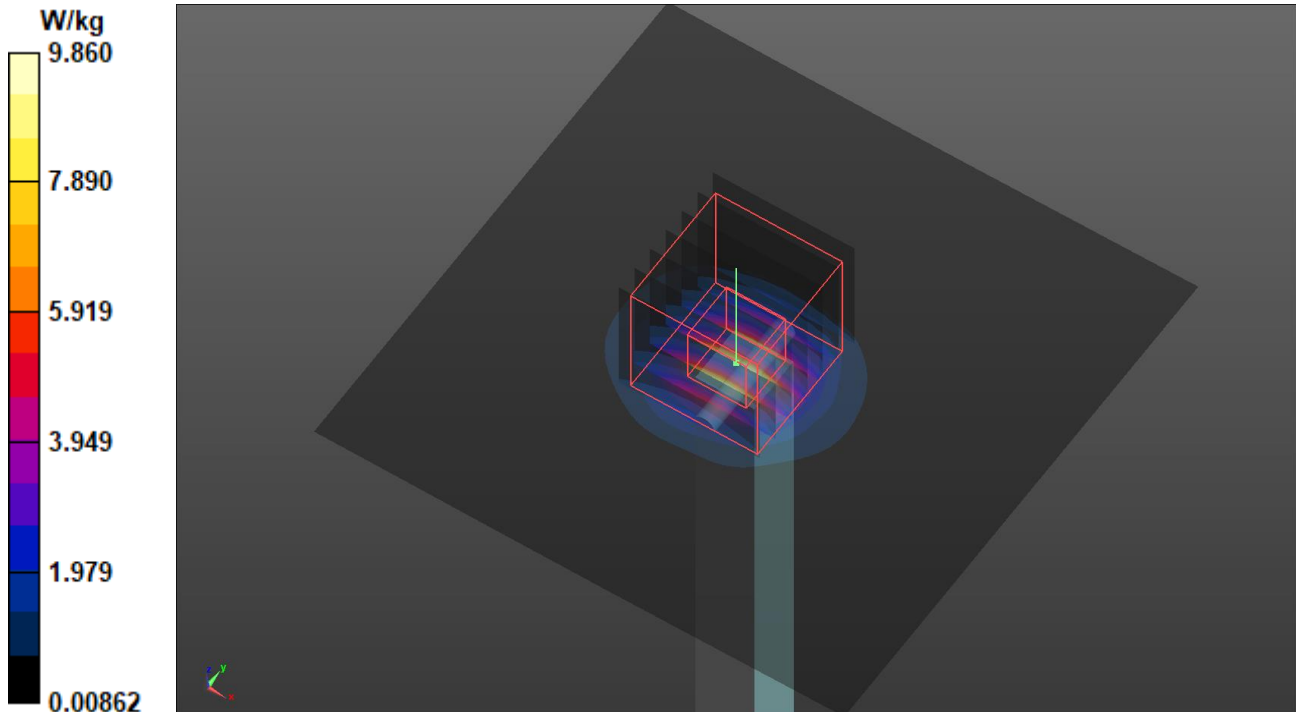
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.46 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 4.22 W/kg; SAR(10 g) = 1.23 W/kg (SAR corrected for target medium)

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



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/15

S03 System Check_H5600_211115

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

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

Medium: H34T60N1_1115 Medium parameters used: $f = 5600$ MHz; $\sigma = 4.913$ S/m; $\epsilon_r = 36.164$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.38, 4.38, 4.38) @ 5600 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 11.4 W/kg

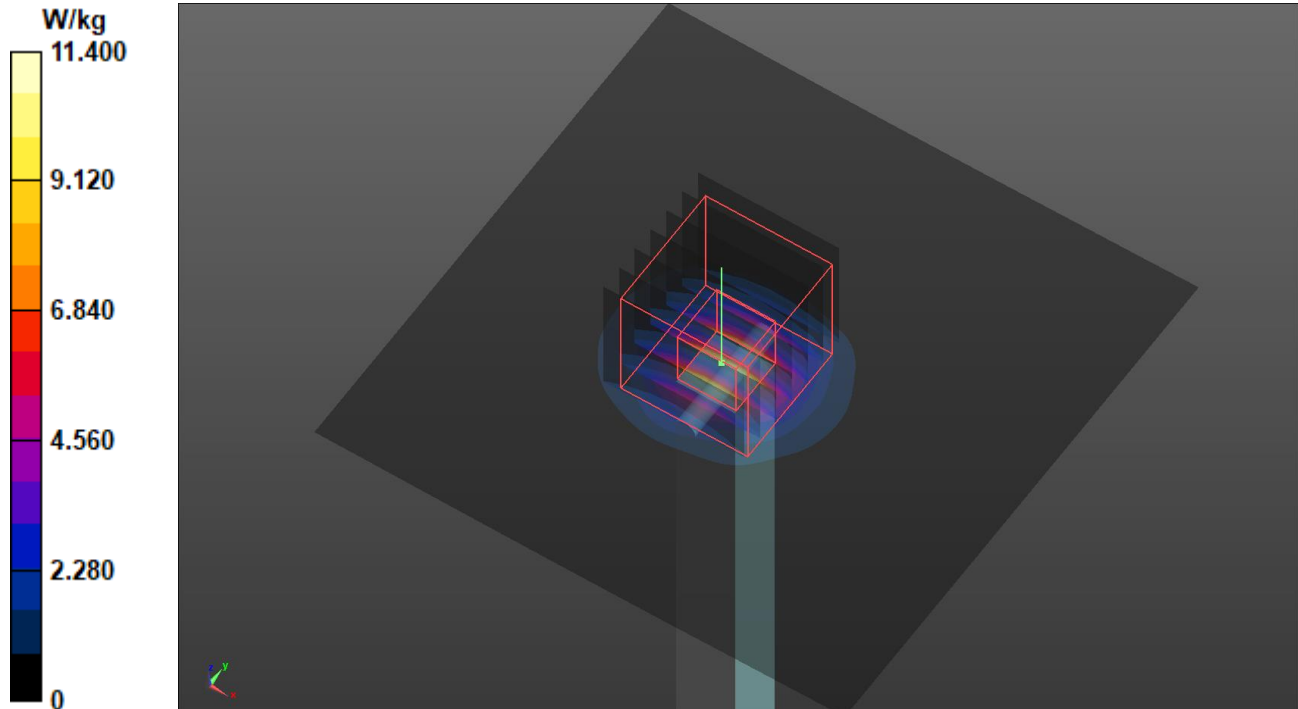
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.26 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 19.6 W/kg

SAR(1 g) = 4.51 W/kg; SAR(10 g) = 1.31 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.8 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

S04 System Check_H5750_211116

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

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

Medium: H34T60N1_1116 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.412$ S/m; $\epsilon_r = 35.45$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.4, 4.4, 4.4) @ 5750 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

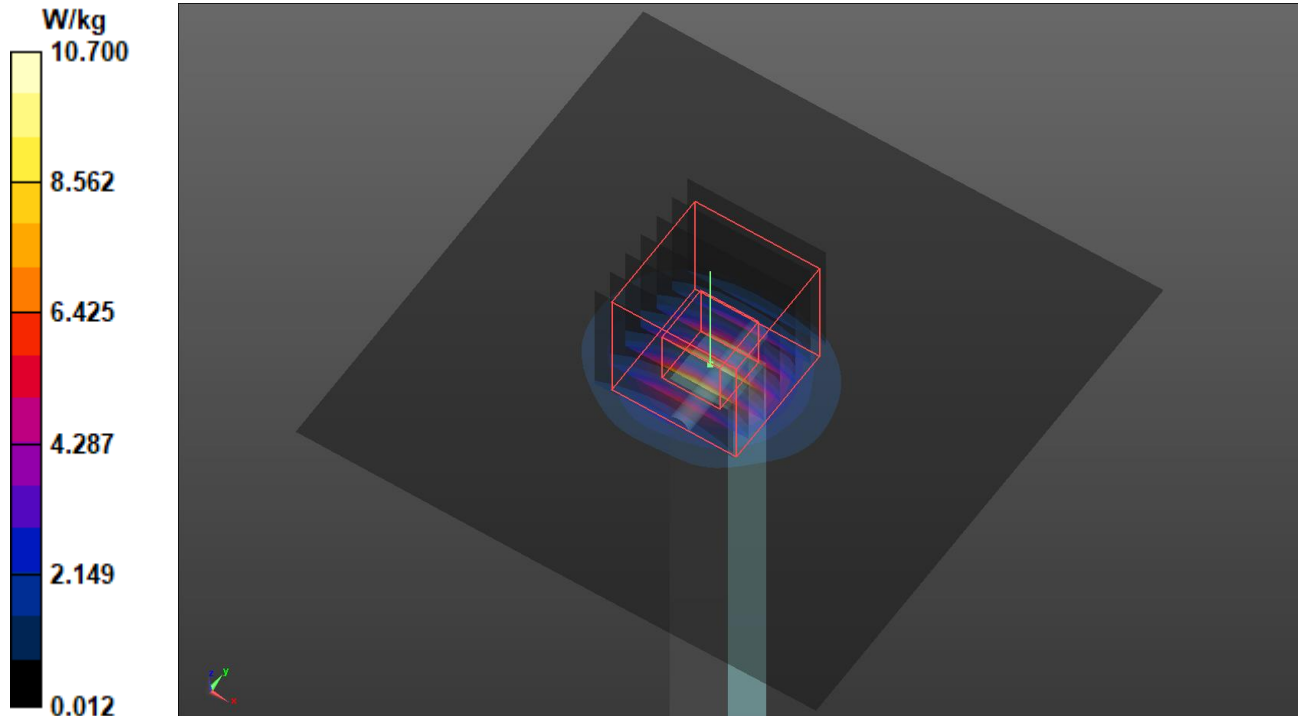
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 48.30 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 19.5 W/kg

SAR(1 g) = 4.33 W/kg; SAR(10 g) = 1.25 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.3 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

S05 System Check_H2450_211116

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

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

Medium: H19T27N3_1116 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 39.419$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2450 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 4.47 W/kg

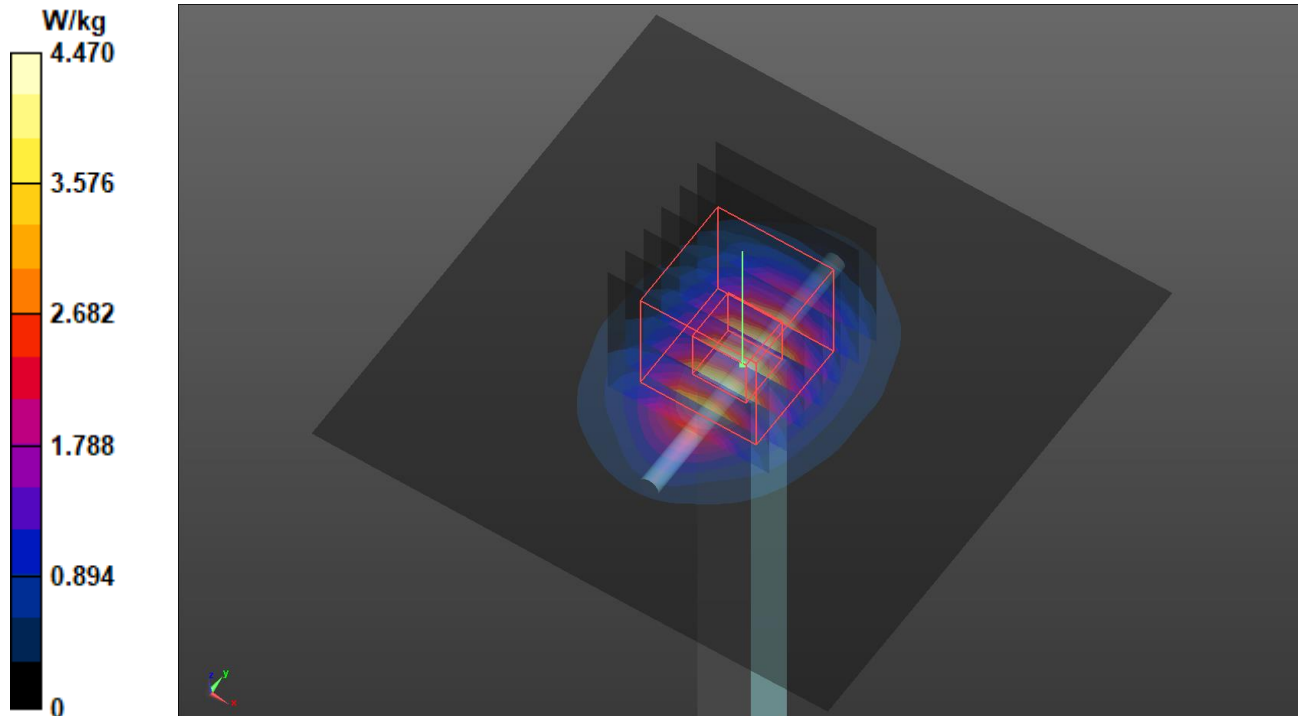
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 51.80 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.48 W/kg

SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.53 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

S06 System Check_H2450_211116

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

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

Medium: H19T27N3_1116 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 39.419$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2450 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.47 W/kg

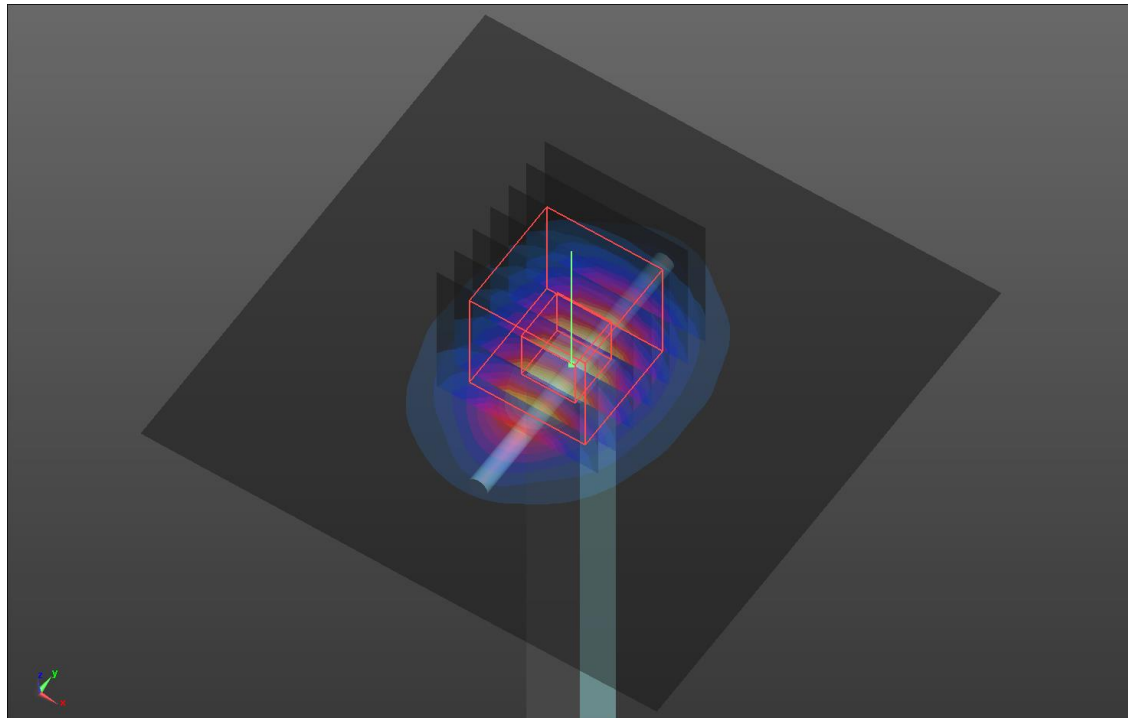
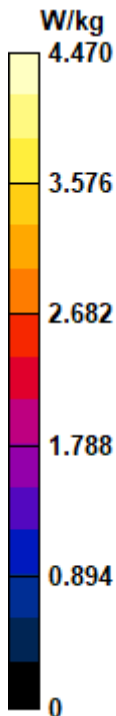
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.80 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.48 W/kg

SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.53 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/15

S07 System Check_H2450_211115

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

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

Medium: H19T27N1_1115 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.885$ S/m; $\epsilon_r = 38.957$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2450 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.15 W/kg

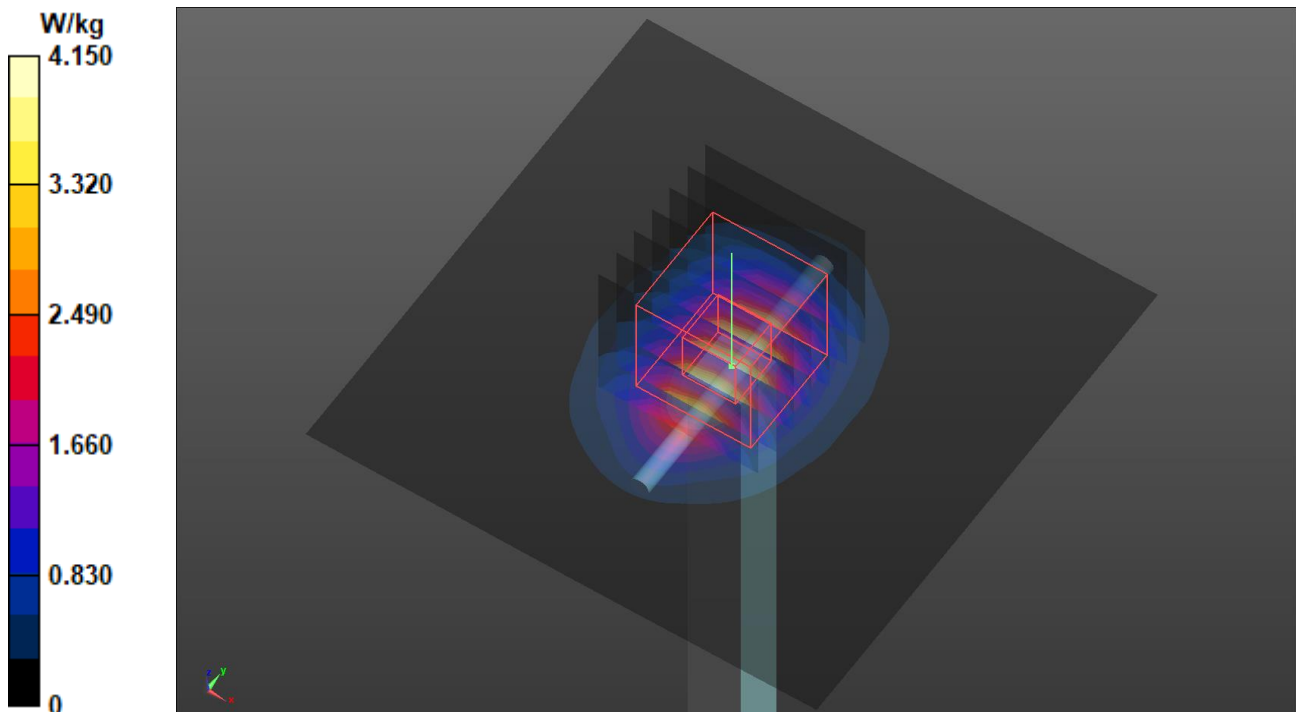
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 48.98 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.16 W/kg

SAR(1 g) = 2.47 W/kg; SAR(10 g) = 1.16 W/kg (SAR corrected for target medium)

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



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/15

S08 System Check_H5250_211115

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

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

Medium: H34T60N1_1115 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.573$ S/m; $\epsilon_r = 36.637$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.75, 4.75, 4.75) @ 5250 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.86 W/kg

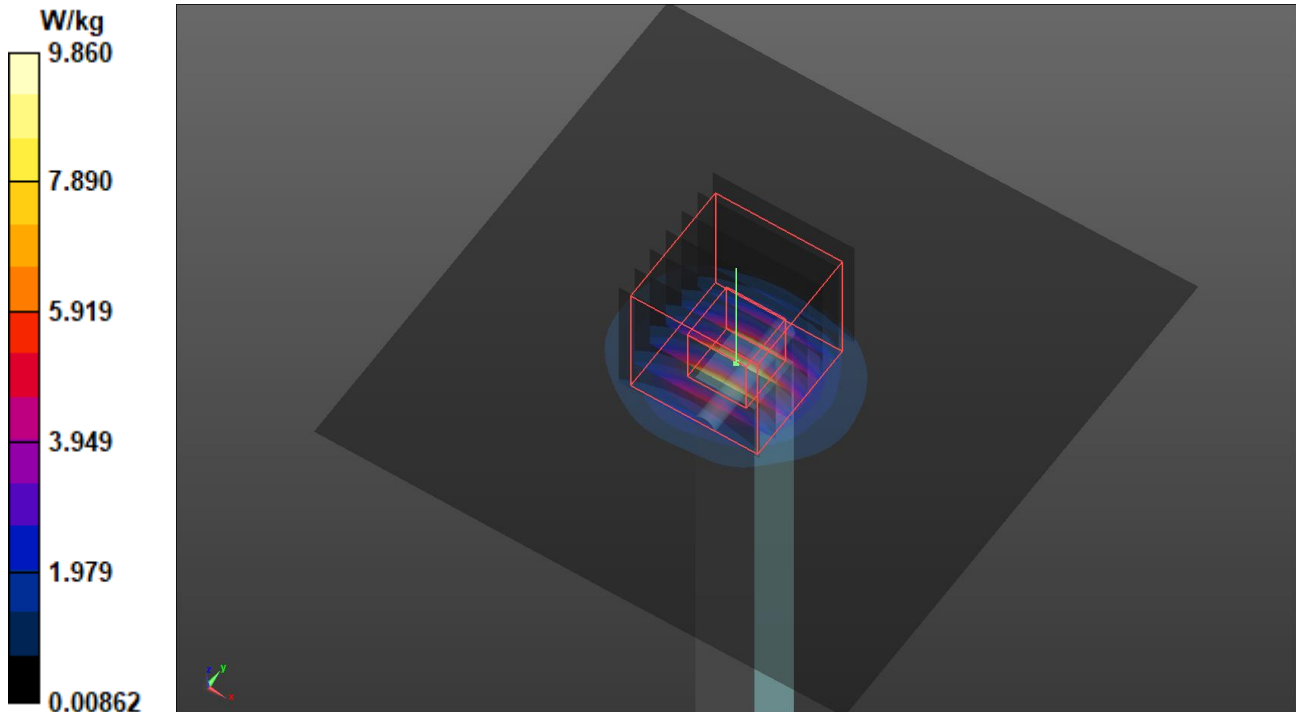
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.46 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 4.22 W/kg; SAR(10 g) = 1.23 W/kg (SAR corrected for target medium)

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



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/15

S09 System Check_H5600_211115

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

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

Medium: H34T60N1_1115 Medium parameters used: $f = 5600$ MHz; $\sigma = 4.913$ S/m; $\epsilon_r = 36.164$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.38, 4.38, 4.38) @ 5600 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Maximum value of SAR (interpolated) = 11.4 W/kg

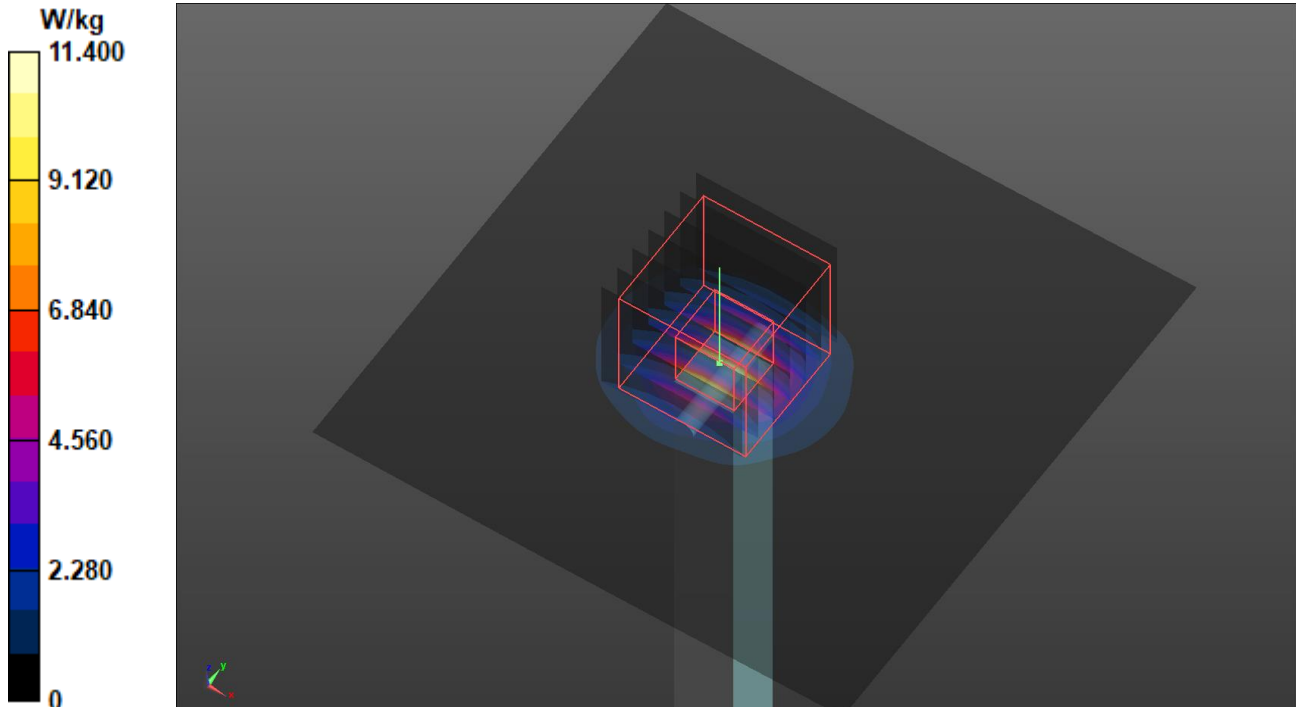
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.26 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 19.6 W/kg

SAR(1 g) = 4.51 W/kg; SAR(10 g) = 1.31 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.8 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

S10 System Check_H5750_211116

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

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

Medium: H34T60N1_1116 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.412$ S/m; $\epsilon_r = 35.45$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.4, 4.4, 4.4) @ 5750 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

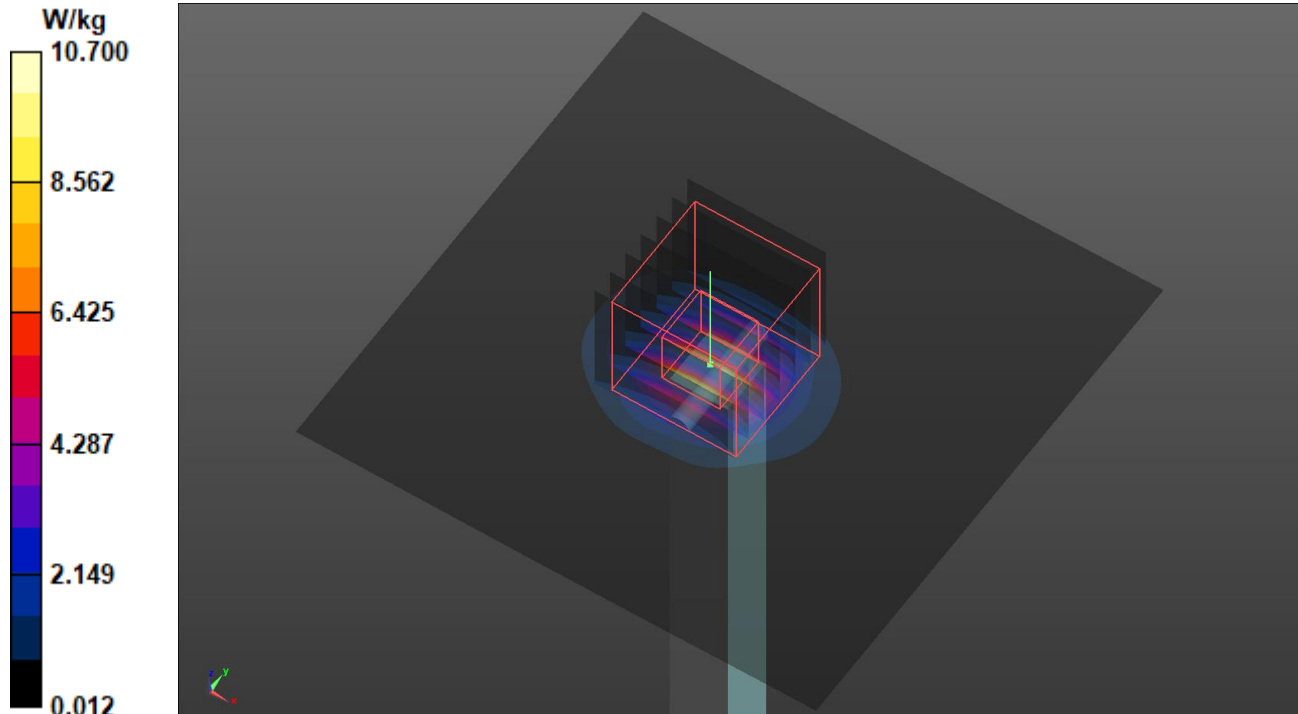
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 48.30 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 19.5 W/kg

SAR(1 g) = 4.33 W/kg; SAR(10 g) = 1.25 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.3 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

S11 System Check_H2450_211116

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

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

Medium: H19T27N3_1116 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 39.419$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2450 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 4.47 W/kg

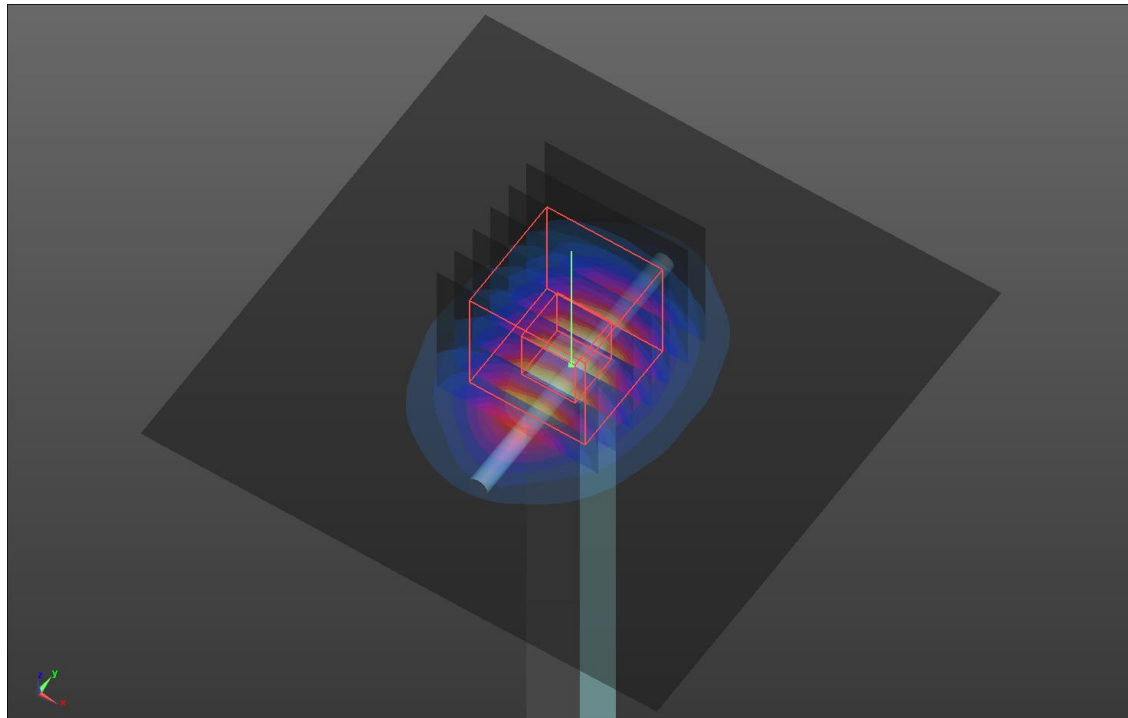
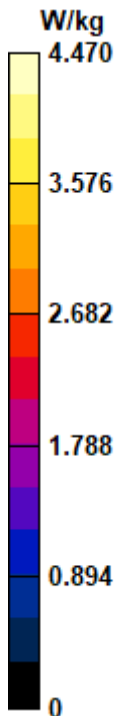
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.80 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.48 W/kg

SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.53 W/kg



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

S12 System Check_H2450_211116

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

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

Medium: H19T27N3_1116 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.869$ S/m; $\epsilon_r = 39.419$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2450 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=50mW/Area Scan (81x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 4.47 W/kg

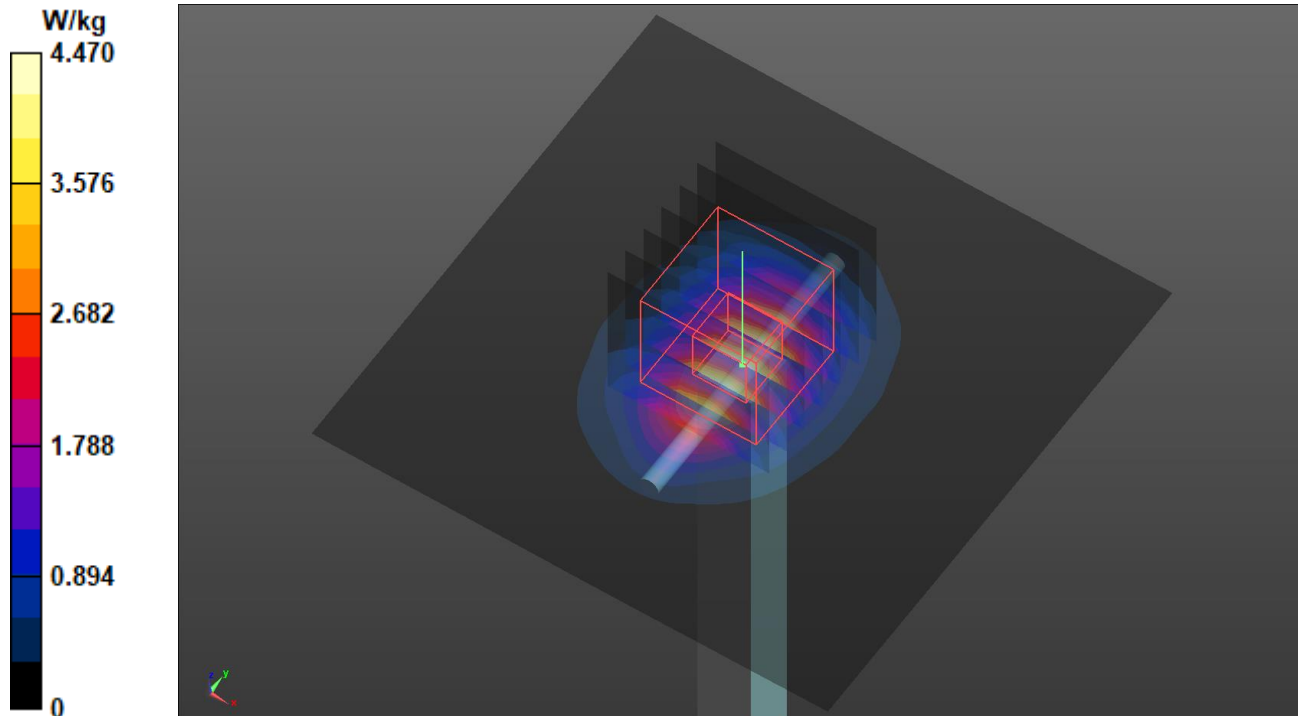
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 51.80 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.48 W/kg

SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.53 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: 2021/11/15

P01 WLAN2.4G_802.11b_Bottom Side_5mm_Ch11_SKU 1_Ant 0

DUT: BBUI-WTW-P21040655

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: H19T27N1_1115 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.892$ S/m; $\epsilon_r = 38.937$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2462 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x141x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.979 W/kg

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

Reference Value = 21.73 V/m; Power Drift = -0.03 dB

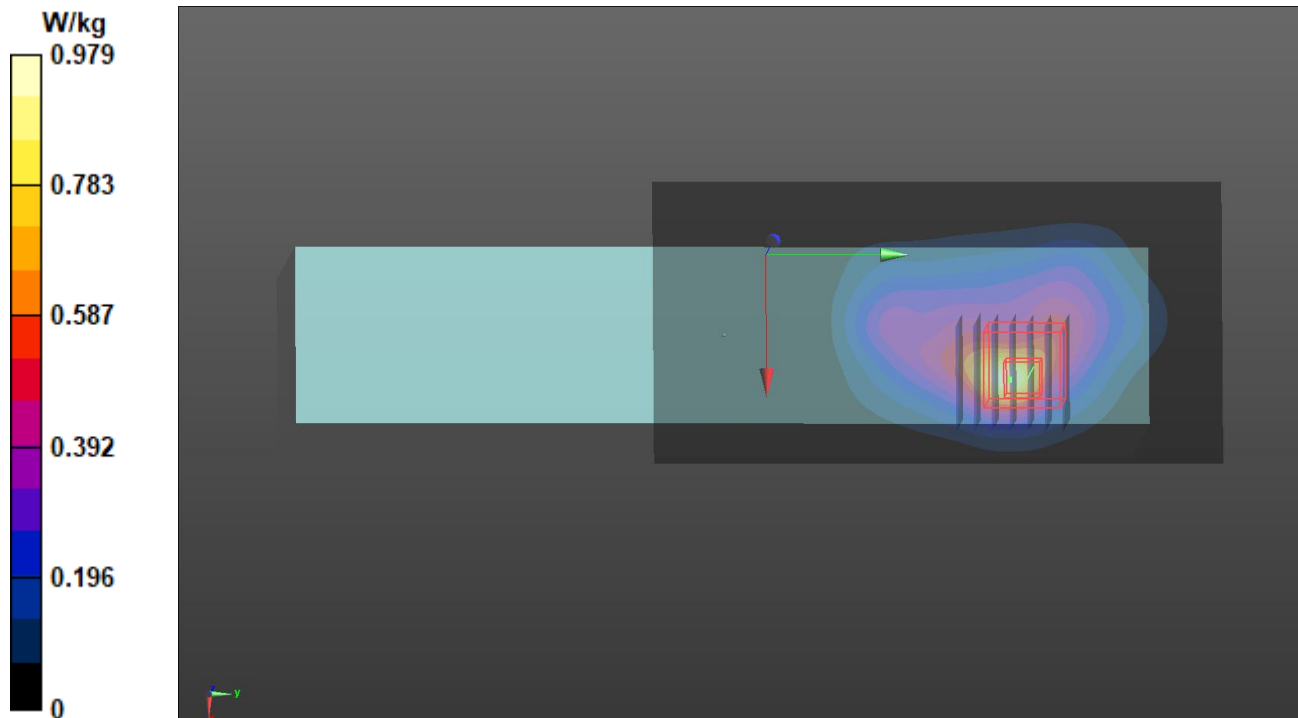
Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.286 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 43.5%

Maximum value of SAR (measured) = 0.893 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/15

P02 WLAN5.3G_802.11ac VHT80_Bottom Side_5mm_Ch58_SKU 1_Ant 0

DUT: BBUI-WTW-P21040655

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5290 MHz; Duty Cycle: 1:1

Medium: H34T60N1_1115 Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.61$ S/m; $\epsilon_r = 36.595$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.75, 4.75, 4.75) @ 5290 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.983 W/kg

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

Reference Value = 14.91 V/m; Power Drift = -0.02 dB

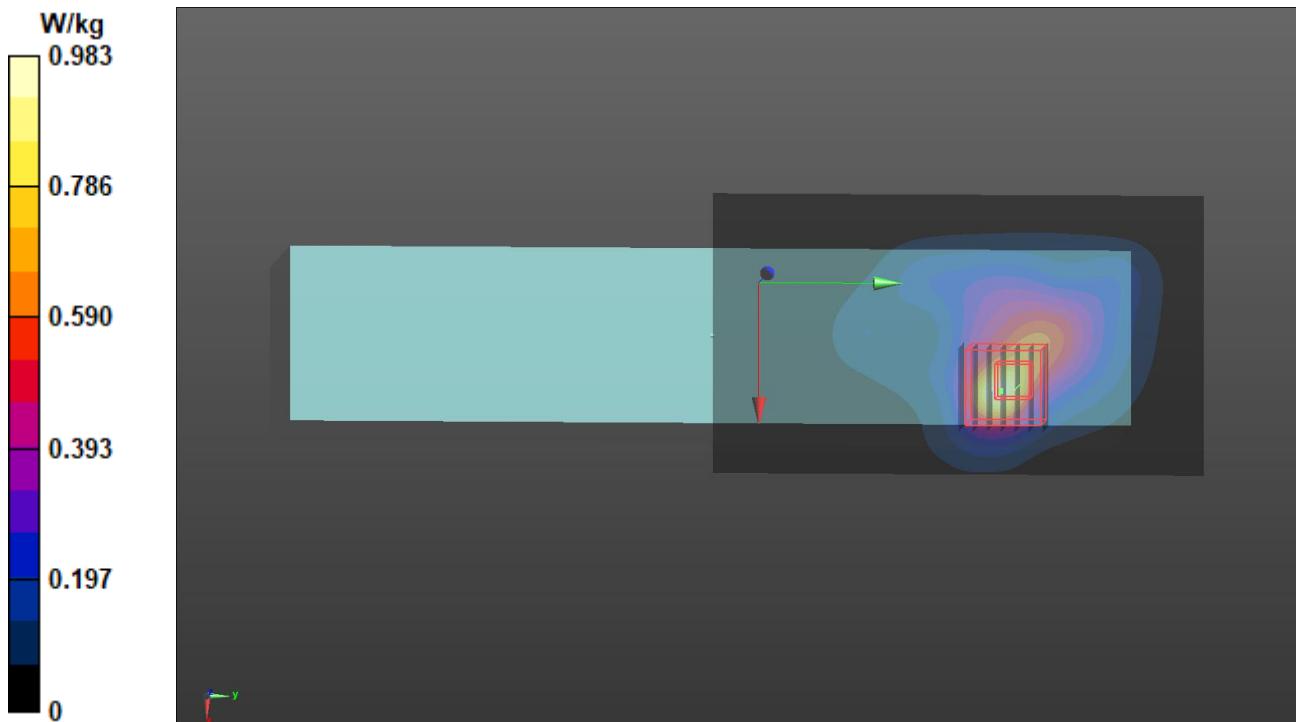
Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.202 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 61.7%

Maximum value of SAR (measured) = 1.08 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/15

P03 WLAN5.6G_802.11ac VHT80_Bottom Side_5mm_Ch138_SKU 1_Ant 0

DUT: BBUI-WTW-P21040655

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5690 MHz; Duty Cycle: 1:1

Medium: H34T60N1_1115 Medium parameters used (interpolated): $f = 5690$ MHz; $\sigma = 5.002$ S/m; $\epsilon_r = 36.03$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.4, 4.4, 4.4) @ 5690 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x141x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.22 W/kg

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

Reference Value = 16.18 V/m; Power Drift = -0.11 dB

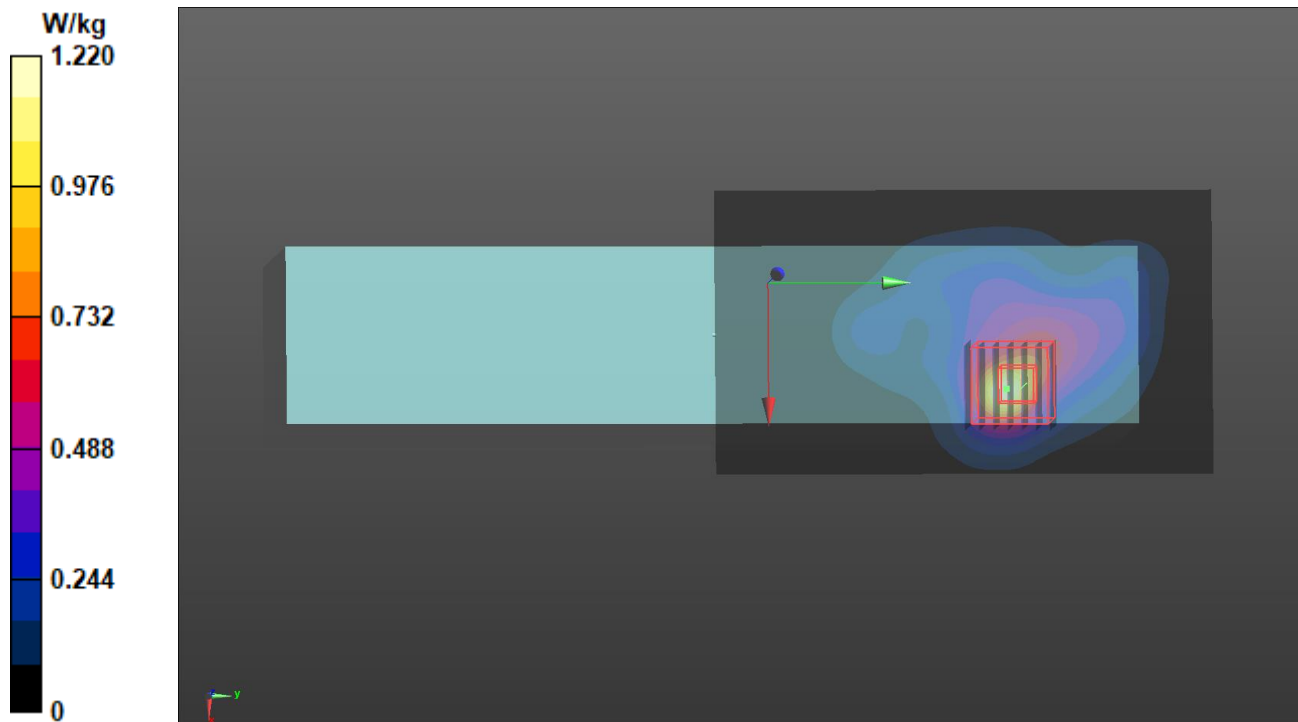
Peak SAR (extrapolated) = 2.91 W/kg

SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.229 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 = 59.7%

Maximum value of SAR (measured) = 1.41 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

P04 WLAN5.8G_802.11ac VHT80_Bottom Side_5mm_Ch155_SKU 1_Ant 0

DUT: BBUI-WTW-P21040655

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: H34T60N1_1116 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.454$ S/m; $\epsilon_r = 35.429$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.4, 4.4, 4.4) @ 5775 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x141x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.911 W/kg

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

Reference Value = 12.68 V/m; Power Drift = -0.18 dB

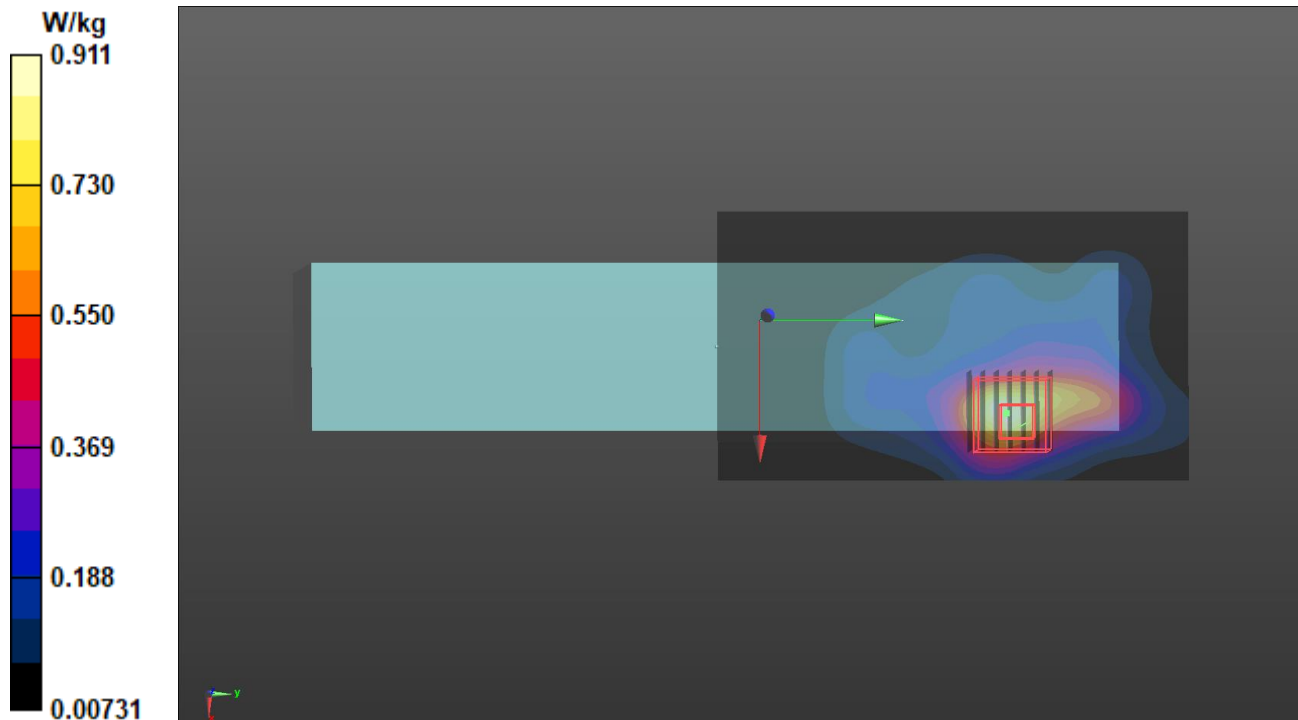
Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 0.553 W/kg; SAR(10 g) = 0.205 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 58.9%

Maximum value of SAR (measured) = 1.24 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

P05 BT_BDR_Bottom Side_5mm_Ch0_SKU 1_Ant 0

DUT: BBUI-WTW-P21040655

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2402 MHz; Duty Cycle: 1:1
Medium: H19T27N3_1116 Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 39.671$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2402 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x241x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.395 W/kg

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

Reference Value = 15.11 V/m; Power Drift = -0.06 dB

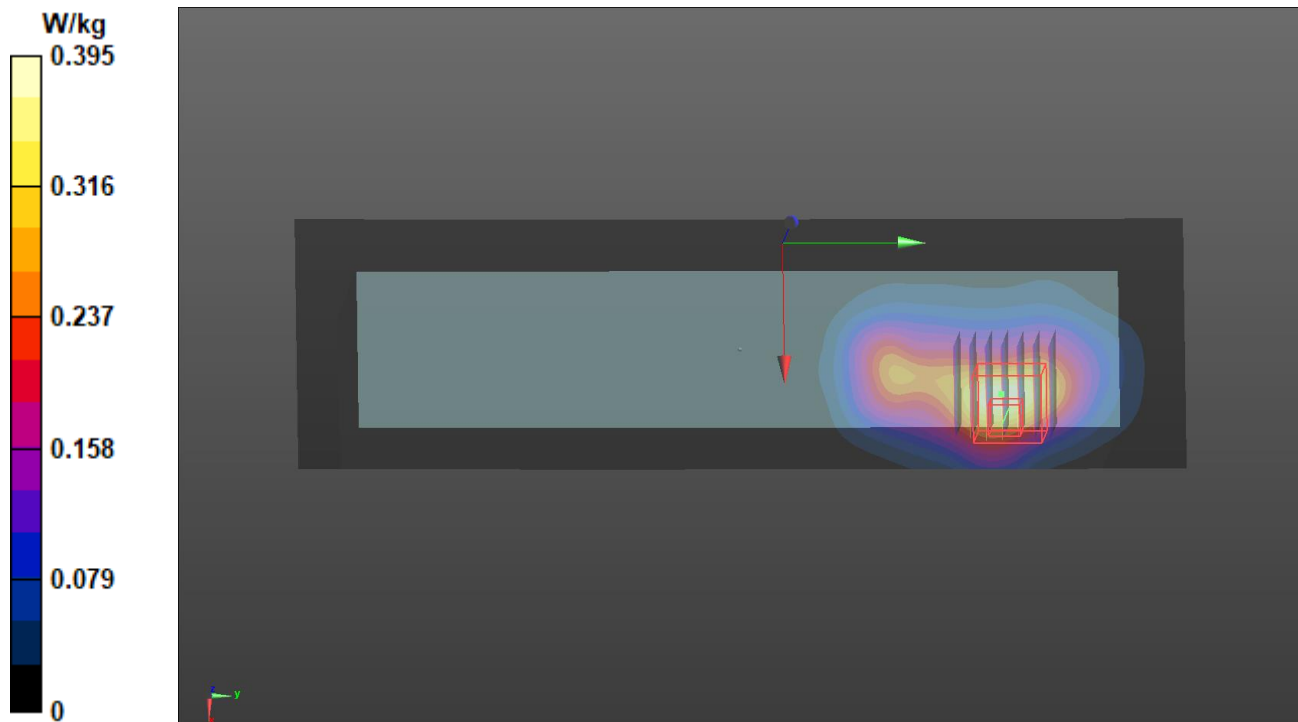
Peak SAR (extrapolated) = 0.608 W/kg

SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.131 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 44.2%

Maximum value of SAR (measured) = 0.481 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

P06 BT_BDR_Bottom Side_5mm_Ch0_SKU 1_Ant 0

DUT: BBUI-WTW-P21040655

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2402 MHz; Duty Cycle: 1:1

Medium: H19T27N3_1116 Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 39.671$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2402 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x241x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.0585 W/kg

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

Reference Value = 5.739 V/m; Power Drift = -0.09 dB

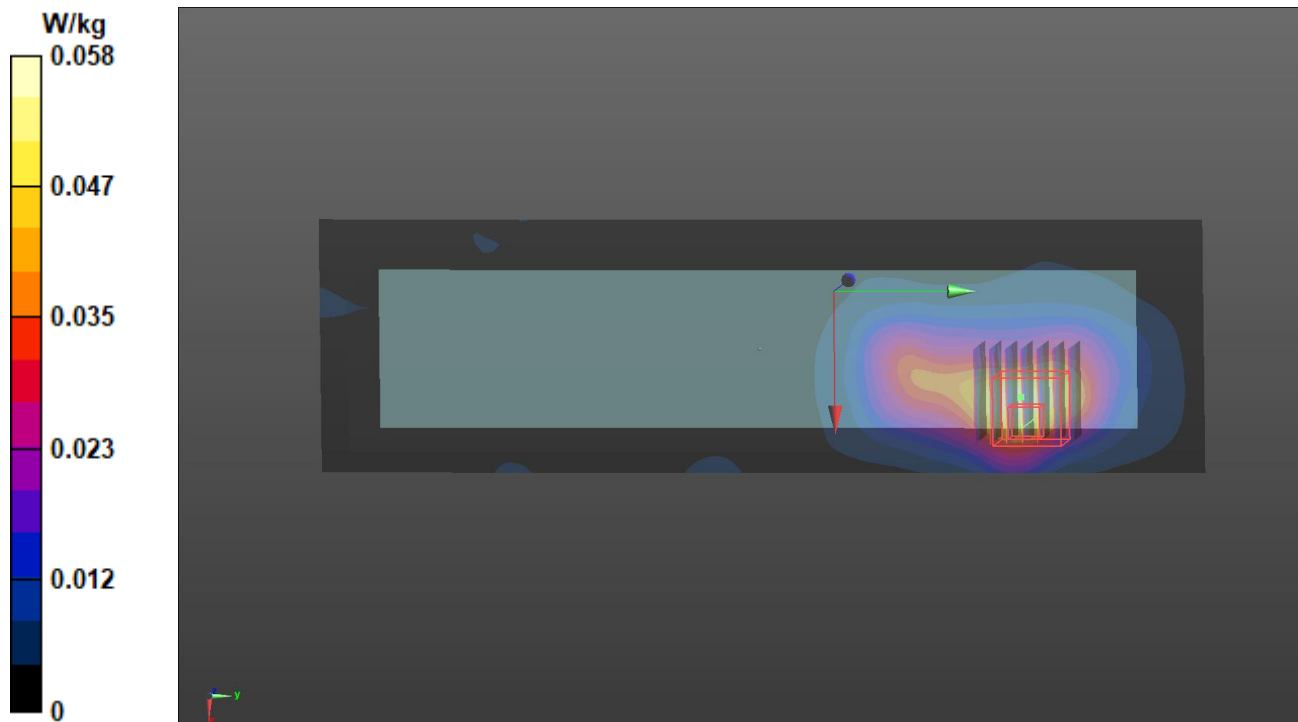
Peak SAR (extrapolated) = 0.0870 W/kg

SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.018 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 44.1%

Maximum value of SAR (measured) = 0.0690 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/15

P07 WLAN2.4G_802.11b_Bottom Side_5mm_Ch1_SKU 2_Ant 1

DUT: BBUI-WTW-P21040655

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: H19T27N1_1115 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.844$ S/m; $\epsilon_r = 39.103$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2412 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x131x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.649 W/kg

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

Reference Value = 17.54 V/m; Power Drift = -0.04 dB

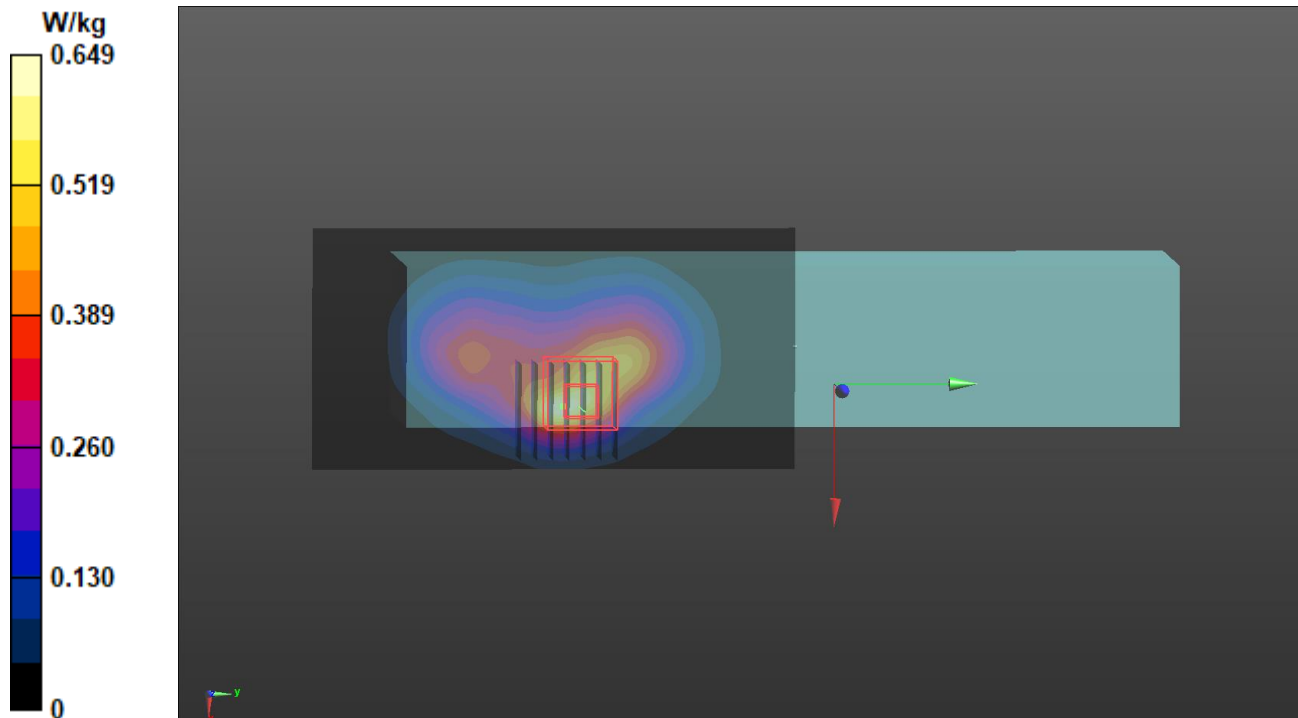
Peak SAR (extrapolated) = 0.930 W/kg

SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.241 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 44.2%

Maximum value of SAR (measured) = 0.725 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/15

P08 WLAN5.3G_802.11ac VHT80_Bottom Side_5mm_Ch58_SKU 2_Ant 0+1

DUT: BBUI-WTW-P21040655

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5290 MHz; Duty Cycle: 1:1

Medium: H34T60N1_1115 Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.61$ S/m; $\epsilon_r = 36.595$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.75, 4.75, 4.75) @ 5290 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x281x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.737 W/kg

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

Reference Value = 13.78 V/m; Power Drift = -0.07 dB

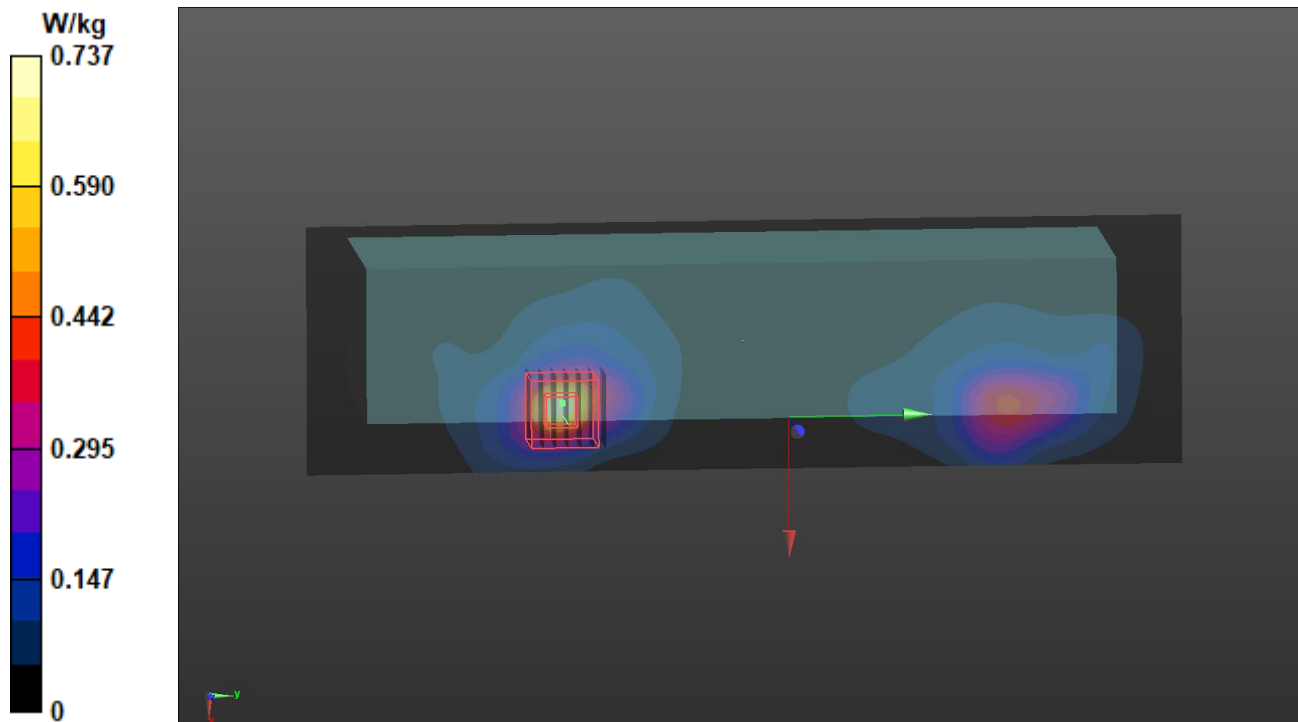
Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.183 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 62.9%

Maximum value of SAR (measured) = 0.724 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/15

P09 WLAN5.6G_802.11ac VHT80_Bottom Side_5mm_Ch138_SKU 2_Ant 0+1

DUT: BBUI-WTW-P21040655

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5690 MHz; Duty Cycle: 1:1

Medium: H34T60N1_1115 Medium parameters used (interpolated): $f = 5690$ MHz; $\sigma = 5.002$ S/m; $\epsilon_r = 36.03$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.4, 4.4, 4.4) @ 5690 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x281x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.876 W/kg

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

Reference Value = 14.60 V/m; Power Drift = -0.06 dB

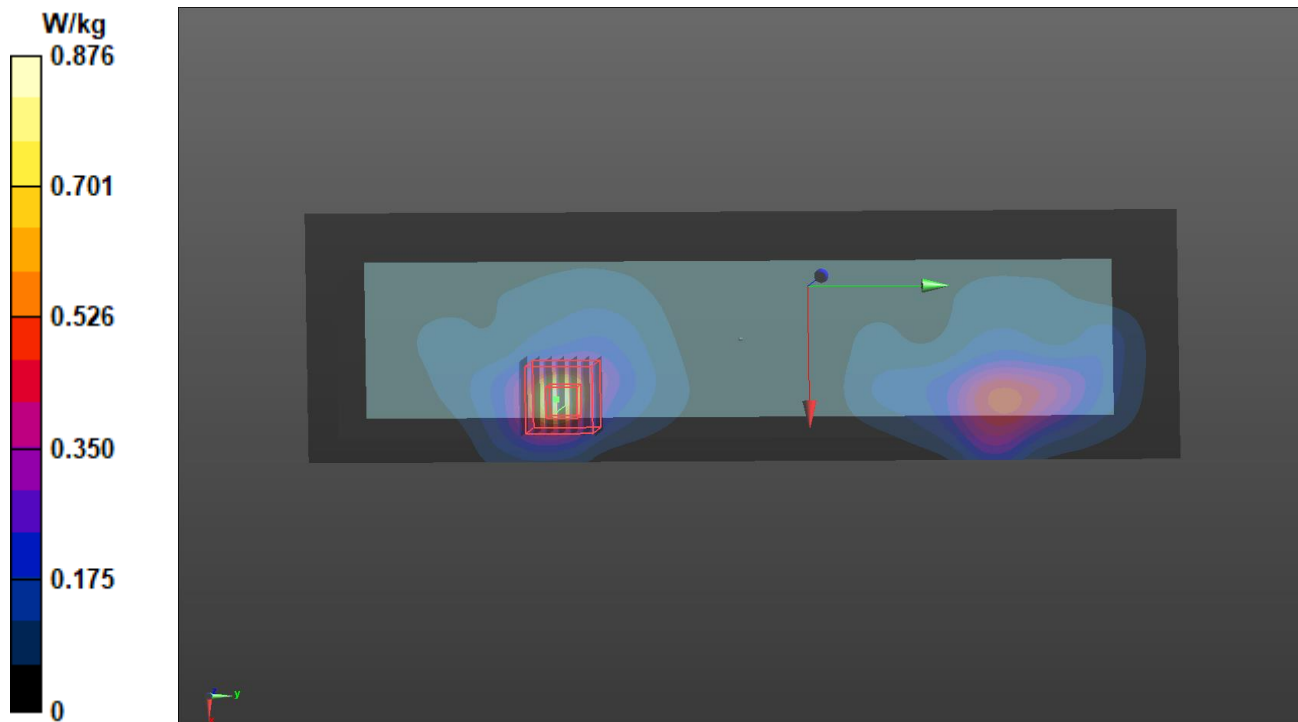
Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.154 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 = 58.9%

Maximum value of SAR (measured) = 0.903 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

P10 WLAN5.8G_802.11ac VHT80_Bottom Side_5mm_Ch155_SKU 2_Ant 0+1

DUT: BBUI-WTW-P21040655

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: H34T60N1_1116 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.454$ S/m; $\epsilon_r = 35.429$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.4, 4.4, 4.4) @ 5775 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x281x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.982 W/kg

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

Reference Value = 14.77 V/m; Power Drift = -0.07 dB

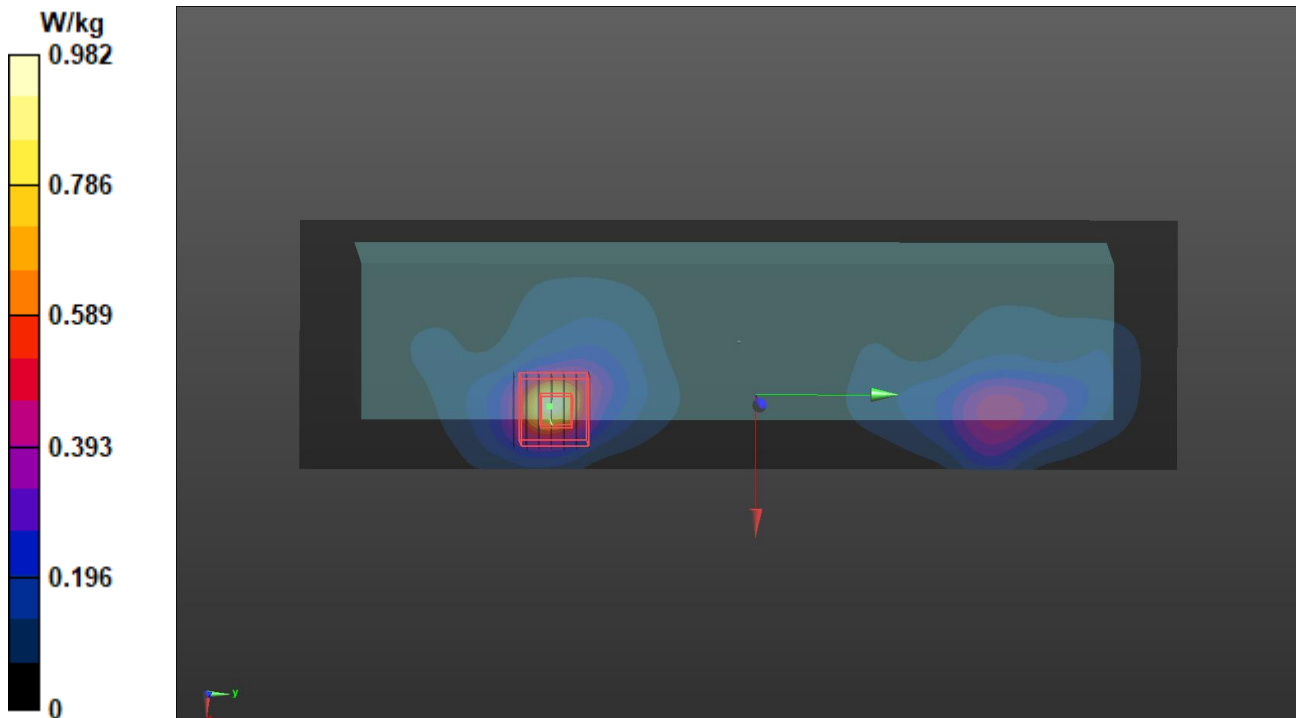
Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.173 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 58.1%

Maximum value of SAR (measured) = 1.01 W/kg



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

P11 BT_LE_Bottom Side_5mm_Ch0_SKU 2_Ant 0

DUT: BBUI-WTW-P21040655

Communication System: UID 10670 - AAA, Bluetooth Low Energy; Frequency: 2402 MHz; Duty Cycle: 1:1.64
Medium: H19T27N3_1116 Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 39.671$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2402 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x241x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.259 W/kg

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

Reference Value = 12.13 V/m; Power Drift = -0.07 dB

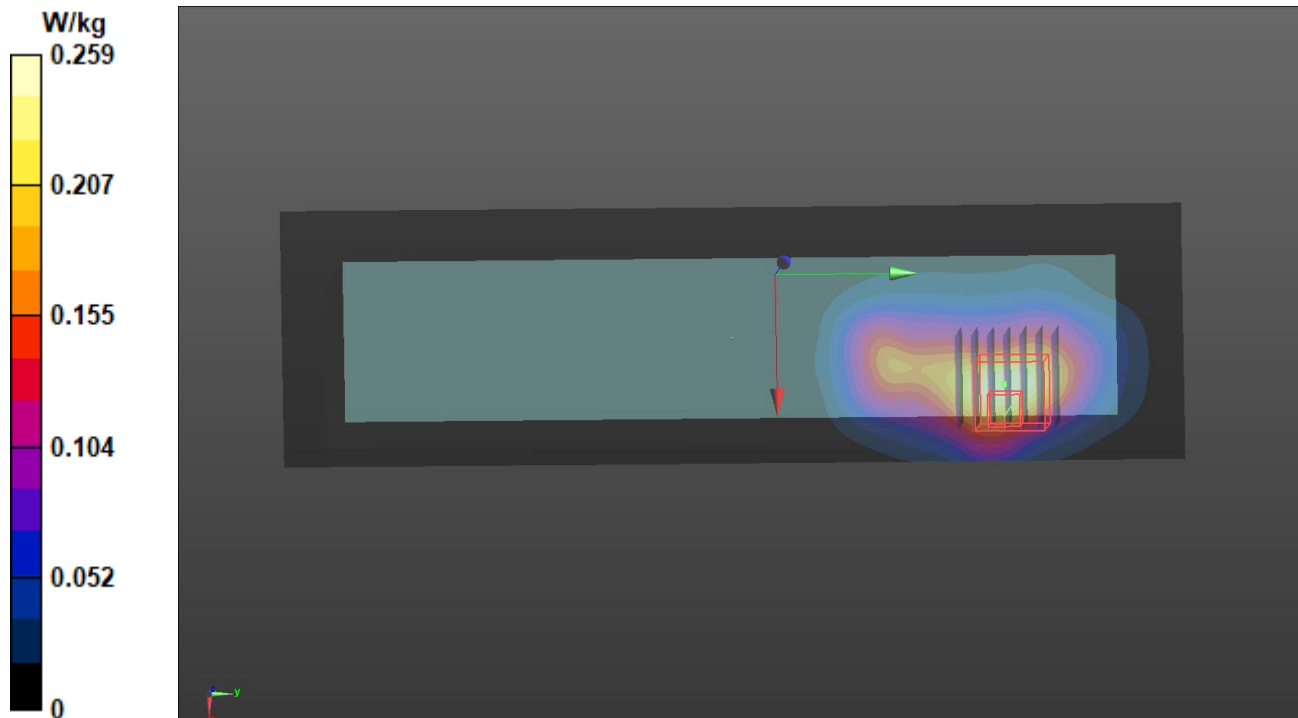
Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.089 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 44.2%

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



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2021/11/16

P12 BT_BDR_Bottom Side_5mm_Ch78_SKU 2_Ant 0

DUT: BBUI-WTW-P21040655

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

Medium: H19T27N3_1116 Medium parameters used: $f = 2480$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 39.312$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2480 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2021/04/14
- Phantom: ELI V5.0 1204; Type: QD OVA 002 AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x241x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.0533 W/kg

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

Reference Value = 5.217 V/m; Power Drift = -0.12 dB

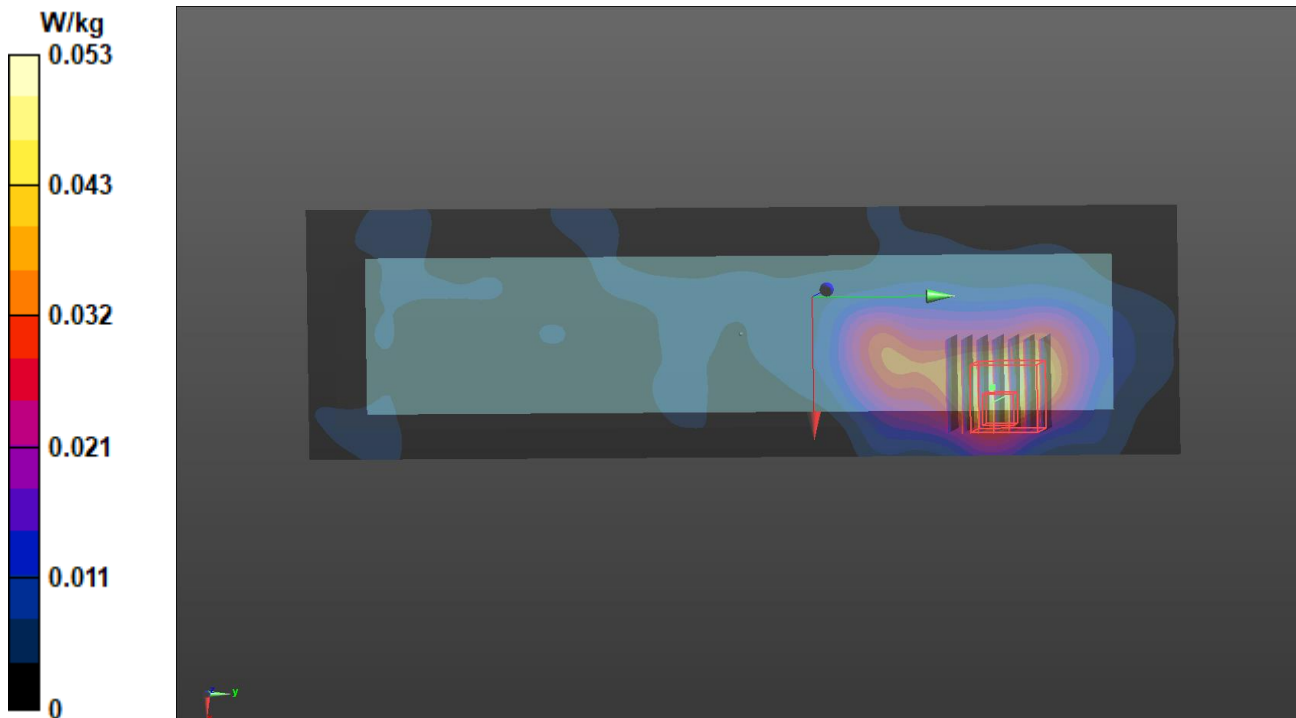
Peak SAR (extrapolated) = 0.0930 W/kg

SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.015 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 36.7%

Maximum value of SAR (measured) = 0.0695 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 °C.
2. For Section 4.4, The SAR measurement system was validated according to procedures in KDB 865664 D01. The validation status in tabulated summary is as below.
3. For Section 4.5, Comparing to the reference SAR value provided by SPEAG in dipole calibration certificate, the deviation of system check results is within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots please refer to Annex A of this report.

Tissue Verification									Validation for CW			Validation for Modulation				System Validation					Note			
Plot No.	Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε _r)	Targeted Conductivity (σ)	Targeted Permittivity (ε _r)	Deviation Conductivity (σ)	Deviation Permittivity (ε _r)	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	2450	23.4	1.885	38.957	1.8	39.2	4.72	-0.62	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 15, 2021	2450	52.60	2.47	49.28	-6.31	737	3820	861	17
S02	5250	23.4	4.573	36.637	4.71	35.9	-2.91	2.05	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 15, 2021	5250	80.60	4.22	84.20	4.47	1019	3820	861	17
S03	5600	23.4	4.913	36.164	5.07	35.5	-3.10	1.87	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 15, 2021	5600	82.40	4.51	89.99	9.21	1019	3820	861	17
S04	5750	23.2	5.412	35.45	5.22	35.4	3.68	0.14	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 16, 2021	5750	79.40	4.33	86.39	8.81	1019	3820	861	17
S05	2450	23.2	1.869	39.419	1.8	39.2	3.83	0.56	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 16, 2021	2450	52.60	2.71	54.07	2.80	737	3820	861	17
S06	2450	23.2	1.869	39.419	1.8	39.2	3.83	0.56	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 16, 2021	2450	52.60	2.71	54.07	2.80	737	3820	861	17
S07	2450	23.4	1.885	38.957	1.8	39.2	4.72	-0.62	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 15, 2021	2450	52.60	2.47	49.28	-6.31	737	3820	861	17
S08	5250	23.4	4.573	36.637	4.71	35.9	-2.91	2.05	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 15, 2021	5250	80.60	4.22	84.20	4.47	1019	3820	861	17
S09	5600	23.4	4.913	36.164	5.07	35.5	-3.10	1.87	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 15, 2021	5600	82.40	4.51	89.99	9.21	1019	3820	861	17
S10	5750	23.2	5.412	35.45	5.22	35.4	3.68	0.14	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 16, 2021	5750	79.40	4.33	86.39	8.81	1019	3820	861	17
S11	2450	23.2	1.869	39.419	1.8	39.2	3.83	0.56	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 16, 2021	2450	52.60	2.71	54.07	2.80	737	3820	861	17
S12	2450	23.2	1.869	39.419	1.8	39.2	3.83	0.56	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 16, 2021	2450	52.60	2.71	54.07	2.80	737	3820	861	17

Annex D. Maximum Target Conducted Power

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

WLAN Tune-up Power (SKU 1)			
WLAN2.4GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11b	1	2412	15.0
	6	2437	15.0
	11	2462	15.0
	12	2467	15.0
	13	2472	15.0
802.11g	1	2412	15.0
	6	2437	15.0
	11	2462	15.0
	12	2467	15.0
	13	2472	15.0
802.11ac VHT20	1	2412	15.0
	6	2437	15.0
	11	2462	15.0
	12	2467	15.0
	13	2472	15.0
802.11ac VHT40	3	2422	15.0
	6	2437	15.0
	9	2452	15.0
	10	2457	15.0
	11	2462	15.0
802.11ax HE20	1	2412	15.0
	6	2437	15.0
	11	2462	15.0
	12	2467	15.0
	13	2472	15.0
802.11ax HE40	3	2422	15.0
	6	2437	15.0
	9	2452	15.0
	10	2457	15.0
	11	2462	15.0

WLAN Tune-up Power (SKU 1)				
Bluetooth				
Mode	Channel	Frequency	Max Tune-up (Higher Power)	Max Tune-up (Lower Power)
BR / EDR	0	2402	12.5	6.5
	39	2441	12.5	6.5
	78	2480	12.5	6.5
LE	0	2402	12.5	6.5
	19	2440	12.5	6.5
	39	2480	12.5	6.5

WLAN Tune-up Power (SKU 1)			
WLAN 5.2GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	36	5180	13.5
	40	5200	13.5
	44	5220	13.5
	48	5240	13.5
802.11ac VHT20	36	5180	13.5
	40	5200	13.5
	44	5220	13.5
	48	5240	13.5
802.11ac VHT40	38	5190	13.5
	46	5230	13.5
802.11ac VHT80	42	5210	13.5
802.11ax HE20	36	5180	13.5
	40	5200	13.5
	44	5220	13.5
	48	5240	13.5
802.11ax HE40	38	5190	13.5
	46	5230	13.5
802.11ax HE80	42	5210	13.5

WLAN Tune-up Power (SKU 1)			
WLAN 5.3GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	52	5260	13.5
	56	5280	13.5
	60	5300	13.5
	64	5320	13.5
802.11ac VHT20	52	5260	13.5
	56	5280	13.5
	60	5300	13.5
	64	5320	13.5
802.11ac VHT40	54	5270	13.5
	62	5310	13.5
802.11ac VHT80	58	5290	13.5
802.11ax HE20	52	5260	13.5
	56	5280	13.5
	60	5300	13.5
	64	5320	13.5
802.11ax HE40	54	5270	13.5
	62	5310	13.5
802.11ax HE80	58	5290	13.5

WLAN Tune-up Power (SKU 1)			
WLAN 5.6GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	100	5500	13.5
	116	5580	13.5
	120	5600	13.5
	124	5620	13.5
	132	5660	13.5
	140	5700	13.5
	144	5720	13.5
802.11ac VHT20	100	5500	13.5
	116	5580	13.5
	120	5600	13.5
	124	5620	13.5
	132	5660	13.5
	140	5700	13.5
	144	5720	13.5
802.11ac VHT40	102	5510	13.5
	110	5550	13.5
	118	5590	13.5
	126	5630	13.5
	134	5670	13.5
	142	5710	13.5
802.11ac VHT80	106	5530	13.5
	122	5610	13.5
	138	5690	13.5
802.11ax HE20	100	5500	13.5
	116	5580	13.5
	120	5600	13.5
	124	5620	13.5
	132	5660	13.5
	140	5700	13.5
	144	5720	13.5
802.11ax HE40	102	5510	13.5
	110	5550	13.5
	118	5590	13.5
	126	5630	13.5
	134	5670	13.5
	142	5710	13.5
802.11ax HE80	106	5530	13.5
	122	5610	13.5
	138	5690	13.5

WLAN Tune-up Power (SKU 1)			
WLAN 5.8GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	149	5745	13.5
	153	5765	13.5
	157	5785	13.5
	161	5805	13.5
	165	5825	13.5
802.11ac VHT20	149	5745	13.5
	153	5765	13.5
	157	5785	13.5
	161	5805	13.5
	165	5825	13.5
802.11ac VHT40	151	5755	13.5
	159	5795	13.5
802.11ac VHT80	155	5775	13.5
802.11ax HE20	149	5745	13.5
	153	5765	13.5
	157	5785	13.5
	161	5805	13.5
	165	5825	13.5
802.11ax HE40	151	5755	13.5
	159	5795	13.5
802.11ax HE80	155	5775	13.5

WLAN Tune-up Power (SKU 2 and 3)							
WLAN 2.4GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11b	1	2412	15.0	15.0	15.0	15.0	18.0
	6	2437	15.0	15.0	15.0	15.0	18.0
	11	2462	15.0	15.0	15.0	15.0	18.0
	12	2467	15.0	15.0	15.0	15.0	18.0
	13	2472	12.0	12.0	12.0	12.0	15.0
802.11g	1	2412	15.0	15.0	15.0	15.0	18.0
	6	2437	15.0	15.0	15.0	15.0	18.0
	11	2462	15.0	15.0	15.0	15.0	18.0
	12	2467	13.5	13.5	13.5	13.5	16.5
	13	2472	12.5	12.5	12.5	12.5	15.5
802.11ac VHT20	1	2412	15.0	15.0	15.0	15.0	18.0
	6	2437	15.0	15.0	15.0	15.0	18.0
	11	2462	15.0	15.0	15.0	15.0	18.0
	12	2467	13.5	13.5	13.5	13.5	16.5
	13	2472	12.5	12.5	12.5	12.5	15.5
802.11ac VHT40	3	2422	15.0	15.0	15.0	15.0	18.0
	6	2437	15.0	15.0	15.0	15.0	18.0
	9	2452	15.0	15.0	15.0	15.0	18.0
	10	2457	12.5	12.5	12.5	12.5	15.5
	11	2462	11.5	11.5	11.5	11.5	14.5
802.11ax HE20	1	2412	15.0	15.0	15.0	15.0	18.0
	6	2437	15.0	15.0	15.0	15.0	18.0
	11	2462	15.0	15.0	15.0	15.0	18.0
	12	2467	13.5	13.5	13.5	13.5	16.5
	13	2472	12.5	12.5	12.5	12.5	15.5
802.11ax HE40	3	2422	15.0	15.0	15.0	15.0	18.0
	6	2437	15.0	15.0	15.0	15.0	18.0
	9	2452	15.0	15.0	15.0	15.0	18.0
	10	2457	12.5	12.5	12.5	12.5	15.5
	11	2462	11.5	11.5	11.5	11.5	14.5

WLAN Tune-up Power (SKU 2 and 3)				
Bluetooth				
Mode	Channel	Frequency	Max Tune-up (Higher Power)	Max Tune-up (Lower Power)
BR / EDR	0	2402	12.5	6.5
	39	2441	12.5	6.5
	78	2480	12.5	6.5
LE	0	2402	12.5	6.5
	19	2440	12.5	6.5
	39	2480	12.5	6.5

WLAN Tune-up Power (SKU 2 and 3)							
WLAN 5.2GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	36	5180	13.5	13.5	13.5	13.5	16.5
	40	5200	13.5	13.5	13.5	13.5	16.5
	44	5220	13.5	13.5	13.5	13.5	16.5
	48	5240	13.5	13.5	13.5	13.5	16.5
802.11ac VHT20	36	5180	13.5	13.5	13.5	13.5	16.5
	40	5200	13.5	13.5	13.5	13.5	16.5
	44	5220	13.5	13.5	13.5	13.5	16.5
	48	5240	13.5	13.5	13.5	13.5	16.5
802.11ac VHT40	38	5190	13.5	13.5	13.5	13.5	16.5
	46	5230	13.5	13.5	13.5	13.5	16.5
802.11ac VHT80	42	5210	13.5	13.5	13.5	13.5	16.5
802.11ax HE20	36	5180	13.5	13.5	13.5	13.5	16.5
	40	5200	13.5	13.5	13.5	13.5	16.5
	44	5220	13.5	13.5	13.5	13.5	16.5
	48	5240	13.5	13.5	13.5	13.5	16.5
802.11ax HE40	38	5190	13.5	13.5	13.5	13.5	16.5
	46	5230	13.5	13.5	13.5	13.5	16.5
802.11ax HE80	42	5210	13.5	13.5	13.5	13.5	16.5

WLAN Tune-up Power (SKU 2 and 3)							
WLAN 5.3GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	52	5260	13.5	13.5	13.5	13.5	16.5
	56	5280	13.5	13.5	13.5	13.5	16.5
	60	5300	13.5	13.5	13.5	13.5	16.5
	64	5320	13.5	13.5	13.5	13.5	16.5
802.11ac VHT20	52	5260	13.5	13.5	13.5	13.5	16.5
	56	5280	13.5	13.5	13.5	13.5	16.5
	60	5300	13.5	13.5	13.5	13.5	16.5
	64	5320	13.5	13.5	13.5	13.5	16.5
802.11ac VHT40	54	5270	13.5	13.5	13.5	13.5	16.5
	62	5310	13.5	13.5	13.5	13.5	16.5
802.11ac VHT80	58	5290	13.5	13.5	13.5	13.5	16.5
802.11ax HE20	52	5260	13.5	13.5	13.5	13.5	16.5
	56	5280	13.5	13.5	13.5	13.5	16.5
	60	5300	13.5	13.5	13.5	13.5	16.5
	64	5320	13.5	13.5	13.5	13.5	16.5
802.11ax HE40	54	5270	13.5	13.5	13.5	13.5	16.5
	62	5310	13.5	13.5	13.5	13.5	16.5
802.11ax HE80	58	5290	13.5	13.5	13.5	13.5	16.5

WLAN Tune-up Power (SKU 2 and 3)							
WLAN 5.6GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	100	5500	13.5	13.5	13.5	13.5	16.5
	116	5580	13.5	13.5	13.5	13.5	16.5
	120	5600	13.5	13.5	13.5	13.5	16.5
	124	5620	13.5	13.5	13.5	13.5	16.5
	132	5660	13.5	13.5	13.5	13.5	16.5
	140	5700	13.5	13.5	13.5	13.5	16.5
	144	5720	13.5	13.5	13.5	13.5	16.5
802.11ac VHT20	100	5500	13.5	13.5	13.5	13.5	16.5
	116	5580	13.5	13.5	13.5	13.5	16.5
	120	5600	13.5	13.5	13.5	13.5	16.5
	124	5620	13.5	13.5	13.5	13.5	16.5
	132	5660	13.5	13.5	13.5	13.5	16.5
	140	5700	13.5	13.5	13.5	13.5	16.5
	144	5720	13.5	13.5	13.5	13.5	16.5
802.11ac VHT40	102	5510	13.5	13.5	13.5	13.5	16.5
	110	5550	13.5	13.5	13.5	13.5	16.5
	118	5590	13.5	13.5	13.5	13.5	16.5
	126	5630	13.5	13.5	13.5	13.5	16.5
	134	5670	13.5	13.5	13.5	13.5	16.5
	142	5710	13.5	13.5	13.5	13.5	16.5
802.11ac VHT80	106	5530	13.5	13.5	13.5	13.5	16.5
	122	5610	13.5	13.5	13.5	13.5	16.5
	138	5690	13.5	13.5	13.5	13.5	16.5
802.11ax HE20	100	5500	13.5	13.5	13.5	13.5	16.5
	116	5580	13.5	13.5	13.5	13.5	16.5
	120	5600	13.5	13.5	13.5	13.5	16.5
	124	5620	13.5	13.5	13.5	13.5	16.5
	132	5660	13.5	13.5	13.5	13.5	16.5
	140	5700	13.5	13.5	13.5	13.5	16.5
	144	5720	13.5	13.5	13.5	13.5	16.5
802.11ax HE40	102	5510	13.5	13.5	13.5	13.5	16.5
	110	5550	13.5	13.5	13.5	13.5	16.5
	118	5590	13.5	13.5	13.5	13.5	16.5
	126	5630	13.5	13.5	13.5	13.5	16.5
	134	5670	13.5	13.5	13.5	13.5	16.5
	142	5710	13.5	13.5	13.5	13.5	16.5
802.11ax HE80	106	5530	13.5	13.5	13.5	13.5	16.5
	122	5610	13.5	13.5	13.5	13.5	16.5
	138	5690	13.5	13.5	13.5	13.5	16.5

WLAN Tune-up Power (SKU 2 and 3)							
WLAN 5.8GHz							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11a	149	5745	13.5	13.5	13.5	13.5	16.5
	153	5765	13.5	13.5	13.5	13.5	16.5
	157	5785	13.5	13.5	13.5	13.5	16.5
	161	5805	13.5	13.5	13.5	13.5	16.5
	165	5825	13.5	13.5	13.5	13.5	16.5
802.11ac VHT20	149	5745	13.5	13.5	13.5	13.5	16.5
	153	5765	13.5	13.5	13.5	13.5	16.5
	157	5785	13.5	13.5	13.5	13.5	16.5
	161	5805	13.5	13.5	13.5	13.5	16.5
	165	5825	13.5	13.5	13.5	13.5	16.5
802.11ac VHT40	151	5755	13.5	13.5	13.5	13.5	16.5
	159	5795	13.5	13.5	13.5	13.5	16.5
802.11ac VHT80	155	5775	13.5	13.5	13.5	13.5	16.5
802.11ax HE20	149	5745	13.5	13.5	13.5	13.5	16.5
	153	5765	13.5	13.5	13.5	13.5	16.5
	157	5785	13.5	13.5	13.5	13.5	16.5
	161	5805	13.5	13.5	13.5	13.5	16.5
	165	5825	13.5	13.5	13.5	13.5	16.5
802.11ax HE40	151	5755	13.5	13.5	13.5	13.5	16.5
	159	5795	13.5	13.5	13.5	13.5	16.5
802.11ax HE80	155	5775	13.5	13.5	13.5	13.5	16.5

Annex E. Measured Conducted Power Result

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

WLAN Conducted Power (SKU 1)			
WLAN2.4GHz			
Mode	Channel	Frequency	Avg. Power
802.11b	1	2412	14.75
	6	2437	14.71
	11	2462	14.81
	12	2467	14.69
	13	2472	14.65
802.11g	1	2412	14.96
	6	2437	14.95
	11	2462	14.91
	12	2467	14.81
	13	2472	14.79
802.11ac VHT20	1	2412	14.92
	6	2437	14.93
	11	2462	14.89
	12	2467	14.74
	13	2472	14.71
802.11ac VHT40	3	2422	14.89
	6	2437	14.83
	9	2452	14.73
	10	2457	14.71
	11	2462	14.74
802.11ax HE20	1	2412	14.94
	6	2437	14.89
	11	2462	14.79
	12	2467	14.77
	13	2472	14.73
802.11ax HE40	3	2422	14.97
	6	2437	14.93
	9	2452	14.76
	10	2457	14.79
	11	2462	14.74

WLAN Conducted Power (SKU 1)			
Bluetooth (Higher Power)			
Mode	Channel	Frequency	Avg. Power
BR / EDR	0	2402	12.31
	39	2441	12.28
	78	2480	12.24
LE	0	2402	12.28
	19	2440	12.22
	39	2480	12.29

WLAN Conducted Power (SKU 1)			
Bluetooth (Lower Power)			
Mode	Channel	Frequency	Avg. Power
BR / EDR	0	2402	6.43
	39	2441	5.92
	78	2480	6.39
LE	0	2402	6.01
	19	2440	6.03
	39	2480	6.07

WLAN Conducted Power (SKU 1)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	Avg. Power
802.11a	36	5180	13.41
	40	5200	13.38
	44	5220	13.47
	48	5240	13.46
802.11ac VHT20	36	5180	13.41
	40	5200	13.46
	44	5220	13.46
	48	5240	13.47
802.11ac VHT40	38	5190	13.45
	46	5230	13.41
802.11ac VHT80	42	5210	13.33
802.11ax HE20	36	5180	13.45
	40	5200	13.42
	44	5220	13.43
	48	5240	13.41
802.11ax HE40	38	5190	13.37
	46	5230	13.39
802.11ax HE80	42	5210	13.45

WLAN Conducted Power (SKU 1)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	Avg. Power
802.11a	52	5260	13.42
	56	5280	13.43
	60	5300	13.43
	64	5320	13.4
802.11ac VHT20	52	5260	13.41
	56	5280	13.46
	60	5300	13.38
	64	5320	13.45
802.11ac VHT40	54	5270	13.47
	62	5310	13.41
802.11ac VHT80	58	5290	13.36
802.11ax HE20	52	5260	13.45
	56	5280	13.39
	60	5300	13.4
	64	5320	13.46
802.11ax HE40	54	5270	13.48
	62	5310	13.42
802.11ax HE80	58	5290	13.43

WLAN Conducted Power (SKU 1)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	Avg. Power
802.11a	100	5500	13.4
	116	5580	13.46
	120	5600	13.45
	124	5620	13.46
	132	5660	13.48
	140	5700	13.47
	144	5720	13.46
802.11ac VHT20	100	5500	13.39
	116	5580	13.47
	120	5600	13.4
	124	5620	13.48
	132	5660	13.43
	140	5700	13.46
	144	5720	13.43
802.11ac VHT40	102	5510	13.41
	110	5550	13.42
	118	5590	13.41
	126	5630	13.45
	134	5670	13.42
	142	5710	13.4
802.11ac VHT80	106	5530	13.32
	122	5610	13.29
	138	5690	13.39
802.11ax HE20	100	5500	13.46
	116	5580	13.45
	120	5600	13.4
	124	5620	13.44
	132	5660	13.43
	140	5700	13.46
	144	5720	13.43
802.11ax HE40	102	5510	13.4
	110	5550	13.38
	118	5590	13.43
	126	5630	13.43
	134	5670	13.44
	142	5710	13.46
802.11ax HE80	106	5530	13.44
	122	5610	13.45
	138	5690	13.37

WLAN Conducted Power (SKU 1)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	Avg. Power
802.11a	149	5745	13.4
	153	5765	13.43
	157	5785	13.4
	161	5805	13.38
	165	5825	13.46
802.11ac VHT20	149	5745	13.42
	153	5765	13.41
	157	5785	13.42
	161	5805	13.47
	165	5825	13.44
802.11ac VHT40	151	5755	13.46
	159	5795	13.41
802.11ac VHT80	155	5775	13.35
802.11ax HE20	149	5745	13.39
	153	5765	13.44
	157	5785	13.46
	161	5805	13.44
	165	5825	13.4
802.11ax HE40	151	5755	13.45
	159	5795	13.43
802.11ax HE80	155	5775	13.47

WLAN Conducted Power (SKU 2 and 3)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	14.78
	6	2437	14.83
	11	2462	14.87
	12	2467	14.81
	13	2472	11.71
802.11g	1	2412	14.96
	6	2437	14.9
	11	2462	14.94
	12	2467	12.86
	13	2472	11.8
802.11ac VHT20	1	2412	14.95
	6	2437	14.93
	11	2462	14.92
	12	2467	12.69
	13	2472	11.61
802.11ac VHT40	3	2422	14.95
	6	2437	14.92
	9	2452	14.93
	10	2457	11.74
	11	2462	10.59
802.11ax HE20	1	2412	14.91
	6	2437	14.96
	11	2462	14.94
	12	2467	12.93
	13	2472	11.8
802.11ax HE40	3	2422	14.96
	6	2437	14.92
	9	2452	14.89
	10	2457	11.96
	11	2462	10.82

WLAN Conducted Power (SKU 2 and 3)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	14.84
	6	2437	14.85
	11	2462	14.89
	12	2467	14.76
	13	2472	11.84
802.11g	1	2412	14.91
	6	2437	14.98
	11	2462	14.9
	12	2467	13.05
	13	2472	12.15
802.11ac VHT20	1	2412	14.9
	6	2437	14.96
	11	2462	14.97
	12	2467	13.04
	13	2472	11.81
802.11ac VHT40	3	2422	14.96
	6	2437	14.92
	9	2452	14.97
	10	2457	12.08
	11	2462	10.97
802.11ax HE20	1	2412	14.9
	6	2437	14.93
	11	2462	14.92
	12	2467	13.19
	13	2472	12.04
802.11ax HE40	3	2422	14.97
	6	2437	14.91
	9	2452	14.94
	10	2457	12.24
	11	2462	11.13

WLAN Conducted Power (SKU 2 and 3)					
WLAN2.4GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11b	1	2412	14.61	14.96	17.80
	6	2437	14.73	14.97	17.86
	11	2462	14.78	14.95	17.88
	12	2467	14.88	14.68	17.79
	13	2472	11.71	11.84	14.79
802.11g	1	2412	14.99	14.92	17.97
	6	2437	14.92	14.91	17.93
	11	2462	14.99	14.79	17.9
	12	2467	12.86	13.05	15.97
	13	2472	11.8	12.15	14.99
802.11ac VHT20	1	2412	14.94	14.94	17.95
	6	2437	14.95	14.96	17.97
	11	2462	14.98	14.42	17.72
	12	2467	12.69	13.04	15.88
	13	2472	11.61	11.81	14.72
802.11ac VHT40	3	2422	14.92	14.93	17.94
	6	2437	14.95	14.93	17.95
	9	2452	14.96	14.94	17.96
	10	2457	11.74	12.08	14.92
	11	2462	10.59	10.97	13.79
802.11ax HE20	1	2412	14.78	14.91	17.86
	6	2437	14.9	14.97	17.95
	11	2462	14.97	14.89	17.94
	12	2467	12.93	13.19	16.07
	13	2472	11.8	12.04	14.93
802.11ax HE40	3	2422	14.91	14.98	17.96
	6	2437	14.95	14.91	17.94
	9	2452	14.9	14.9	17.91
	10	2457	11.96	12.24	15.11
	11	2462	10.82	11.13	13.99

WLAN Conducted Power (SKU 2 and 3)			
Bluetooth (Higher Power)			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
BR / EDR	0	2402	12.31
	39	2441	12.28
	78	2480	12.24
LE	0	2402	12.38
	19	2440	12.32
	39	2480	12.31

WLAN Conducted Power (SKU 2 and 3)			
Bluetooth (Lower Power)			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	6.39
	39	2441	5.92
	78	2480	6.43
LE	0	2402	6.01
	19	2440	6.03
	39	2480	6.07

WLAN Conducted Power (SKU 2 and 3)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	13.31
	40	5200	13.07
	44	5220	13.46
	48	5240	13.11
802.11ac VHT20	36	5180	13.17
	40	5200	13.1
	44	5220	13.06
	48	5240	13.35
802.11ac VHT40	38	5190	13.43
	46	5230	13.04
802.11ac VHT80	42	5210	13.34
802.11ax HE20	36	5180	13.05
	40	5200	13.2
	44	5220	13.06
	48	5240	13.39
802.11ax HE40	38	5190	13.36
	46	5230	13.41
802.11ax HE80	42	5210	13.19

WLAN Conducted Power (SKU 2 and 3)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	13.2
	40	5200	13.1
	44	5220	13.49
	48	5240	13.22
802.11ac VHT20	36	5180	13.24
	40	5200	13.18
	44	5220	13.25
	48	5240	13.29
802.11ac VHT40	38	5190	13.1
	46	5230	13.22
802.11ac VHT80	42	5210	13.25
802.11ax HE20	36	5180	13.39
	40	5200	13.05
	44	5220	13.2
	48	5240	13.03
802.11ax HE40	38	5190	13.37
	46	5230	13.13
802.11ax HE80	42	5210	13.12

WLAN Conducted Power (SKU 2 and 3)					
WLAN 5.2GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a	36	5180	13.03	13.08	16.07
	40	5200	13.06	13.35	16.22
	44	5220	13.08	13.3	16.2
	48	5240	13.25	13.5	16.39
802.11ac VHT20	36	5180	13.45	13.16	16.32
	40	5200	13.37	13.17	16.28
	44	5220	13.01	13.11	16.07
	48	5240	13.35	13.33	16.35
802.11ac VHT40	38	5190	13.49	13.43	16.47
	46	5230	13.14	13.27	16.22
802.11ac VHT80	42	5210	13.46	13.36	16.42
802.11ax HE20	36	5180	13.34	13.36	16.36
	40	5200	13.02	13.45	16.25
	44	5220	13.04	13.16	16.11
	48	5240	13.34	13.04	16.2
802.11ax HE40	38	5190	13.26	13.42	16.35
	46	5230	13	13.38	16.2
802.11ax HE80	42	5210	13.22	13.42	16.33

WLAN Conducted Power (SKU 2 and 3)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	13.46
	56	5280	13.42
	60	5300	13.41
	64	5320	13.47
802.11ac VHT20	52	5260	13.45
	56	5280	13.4
	60	5300	13.45
	64	5320	13.46
802.11ac VHT40	54	5270	13.41
	62	5310	13.47
802.11ac VHT80	58	5290	13.38
802.11ax HE20	52	5260	13.42
	56	5280	13.37
	60	5300	13.45
	64	5320	13.42
802.11ax HE40	54	5270	13.41
	62	5310	13.47
802.11ax HE80	58	5290	13.46

WLAN Conducted Power (SKU 2 and 3)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	13.45
	56	5280	13.46
	60	5300	13.44
	64	5320	13.47
802.11ac VHT20	52	5260	13.48
	56	5280	13.42
	60	5300	13.46
	64	5320	13.39
802.11ac VHT40	54	5270	13.47
	62	5310	13.41
802.11ac VHT80	58	5290	13.37
802.11ax HE20	52	5260	13.46
	56	5280	13.38
	60	5300	13.43
	64	5320	13.41
802.11ax HE40	54	5270	13.47
	62	5310	13.38
802.11ax HE80	58	5290	13.39

WLAN Conducted Power (SKU 2 and 3)					
WLAN 5.3GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a	52	5260	13.27	13.44	16.37
	56	5280	13.49	13.39	16.45
	60	5300	13.44	13.06	16.26
	64	5320	13.41	13.42	16.43
802.11ac VHT20	52	5260	13.47	13.28	16.39
	56	5280	13.42	13.42	16.43
	60	5300	13.43	13.44	16.45
	64	5320	13.46	13.28	16.38
802.11ac VHT40	54	5270	13.41	13.07	16.25
	62	5310	13.45	13.42	16.45
802.11ac VHT80	58	5290	13.59	13.15	16.39
802.11ax HE20	52	5260	13.45	13.37	16.42
	56	5280	13.42	13.41	16.43
	60	5300	13.45	13.07	16.27
	64	5320	13.49	13.42	16.47
802.11ax HE40	54	5270	13.41	13.41	16.42
	62	5310	13.46	13.39	16.44
802.11ax HE80	58	5290	13.44	13.37	16.42

WLAN Conducted Power (SKU 2 and 3)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	13.48
	116	5580	13.45
	120	5600	13.47
	124	5620	13.42
	132	5660	13.4
	140	5700	13.45
	144	5720	13.42
802.11ac VHT20	100	5500	13.46
	116	5580	13.44
	120	5600	13.4
	124	5620	13.4
	132	5660	13.47
	140	5700	13.42
	144	5720	13.48
802.11ac VHT40	102	5510	13.45
	110	5550	13.43
	118	5590	13.45
	126	5630	13.47
	134	5670	13.47
	142	5710	13.43
802.11ac VHT80	106	5530	13.33
	122	5610	13.28
	138	5690	13.39
802.11ax HE20	100	5500	13.42
	116	5580	13.48
	120	5600	13.43
	124	5620	13.48
	132	5660	13.43
	140	5700	13.46
	144	5720	13.4
802.11ax HE40	102	5510	13.41
	110	5550	13.44
	118	5590	13.41
	126	5630	13.46
	134	5670	13.48
	142	5710	13.4
802.11ax HE80	106	5530	13.47
	122	5610	13.4
	138	5690	13.39

WLAN Conducted Power (SKU 2 and 3)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	13.39
	116	5580	13.4
	120	5600	13.43
	124	5620	13.45
	132	5660	13.4
	140	5700	13.46
	144	5720	13.39
802.11ac VHT20	100	5500	13.37
	116	5580	13.41
	120	5600	13.42
	124	5620	13.42
	132	5660	13.47
	140	5700	13.3
	144	5720	13.36
802.11ac VHT40	102	5510	13.39
	110	5550	13.43
	118	5590	13.42
	126	5630	13.45
	134	5670	13.41
	142	5710	13.41
802.11ac VHT80	106	5530	13.31
	122	5610	13.34
	138	5690	13.38
802.11ax HE20	100	5500	13.45
	116	5580	13.36
	120	5600	13.39
	124	5620	13.29
	132	5660	13.34
	140	5700	13.37
	144	5720	13.45
802.11ax HE40	102	5510	13.35
	110	5550	13.42
	118	5590	13.37
	126	5630	13.41
	134	5670	13.38
	142	5710	13.3
802.11ax HE80	106	5530	13.38
	122	5610	13.33
	138	5690	13.34

WLAN Conducted Power (SKU 2 and 3)					
WLAN 5.6GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a	100	5500	13.32	13.27	16.31
	116	5580	13.49	13.45	16.48
	120	5600	13.37	13.34	16.37
	124	5620	13.34	13.31	16.34
	132	5660	13.39	13.38	16.4
	140	5700	13.38	13.34	16.37
	144	5720	13.37	13.38	16.39
802.11ac VHT20	100	5500	13.17	13.23	16.21
	116	5580	13.42	13.43	16.44
	120	5600	13.39	13.41	16.41
	124	5620	13.39	13.34	16.38
	132	5660	13.45	13.42	16.45
	140	5700	13.32	13.32	16.33
	144	5720	13.46	13.37	16.43
802.11ac VHT40	102	5510	13.47	13.47	16.48
	110	5550	13.34	13.35	16.36
	118	5590	13.45	13.39	16.43
	126	5630	13.44	13.41	16.44
	134	5670	13.42	13.33	16.39
	142	5710	13.43	13.28	16.37
802.11ac VHT80	106	5530	13.38	13.29	16.35
	122	5610	13.99	12.28	16.23
	138	5690	13.59	13.15	16.39
802.11ax HE20	100	5500	13.25	13.22	16.25
	116	5580	13.4	13.42	16.42
	120	5600	13.35	13.38	16.38
	124	5620	13.41	13.34	16.39
	132	5660	13.48	13.29	16.4
	140	5700	13.35	13.32	16.35
	144	5720	13.45	13.4	16.44
802.11ax HE40	102	5510	13.56	13.28	16.43
	110	5550	13.39	13.33	16.37
	118	5590	13.37	13.38	16.39
	126	5630	13.64	13.24	16.45
	134	5670	13.33	13.33	16.34
	142	5710	13.67	13.18	16.44
802.11ax HE80	106	5530	13.38	13.37	16.39
	122	5610	13.58	13.36	16.48
	138	5690	13.38	13.45	16.43

WLAN Conducted Power (SKU 2 and 3)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	13.44
	153	5765	13.45
	157	5785	13.46
	161	5805	13.4
	165	5825	13.44
802.11ac VHT20	149	5745	13.44
	153	5765	13.45
	157	5785	13.37
	161	5805	13.45
	165	5825	13.43
802.11ac VHT40	151	5755	13.4
	159	5795	13.41
802.11ac VHT80	155	5775	13.38
802.11ax HE20	149	5745	13.47
	153	5765	13.4
	157	5785	13.46
	161	5805	13.41
	165	5825	13.4
802.11ax HE40	151	5755	13.44
	159	5795	13.41
802.11ax HE80	155	5775	13.39

WLAN Conducted Power (SKU 2 and 3)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	13.39
	153	5765	13.4
	157	5785	13.41
	161	5805	13.38
	165	5825	13.41
802.11ac VHT20	149	5745	13.47
	153	5765	13.45
	157	5785	13.4
	161	5805	13.43
	165	5825	13.42
802.11ac VHT40	151	5755	13.47
	159	5795	13.45
802.11ac VHT80	155	5775	13.39
802.11ax HE20	149	5745	13.44
	153	5765	13.46
	157	5785	13.43
	161	5805	13.45
	165	5825	13.44
802.11ax HE40	151	5755	13.46
	159	5795	13.39
802.11ax HE80	155	5775	13.41

WLAN Conducted Power (SKU 2 and 3)					
WLAN 5.8GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a	149	5745	13.43	13.42	16.44
	153	5765	13.39	13.43	16.42
	157	5785	13.42	13.33	16.39
	161	5805	13.37	13.27	16.33
	165	5825	13.32	13.55	16.45
802.11ac VHT20	149	5745	13.45	13.33	16.4
	153	5765	13.36	13.51	16.45
	157	5785	13.4	13.33	16.38
	161	5805	13.39	13.5	16.46
	165	5825	13.42	13.37	16.41
802.11ac VHT40	151	5755	13.43	13.28	16.37
	159	5795	13.42	13.51	16.48
802.11ac VHT80	155	5775	13.44	13.32	16.39
802.11ax HE20	149	5745	13.41	13.34	16.39
	153	5765	13.32	13.29	16.32
	157	5785	13.46	13.45	16.47
	161	5805	13.47	13.39	16.44
	165	5825	13.37	13.31	16.35
802.11ax HE40	151	5755	13.42	13.51	16.48
	159	5795	13.39	13.3	16.36
802.11ax HE80	155	5775	13.34	13.56	16.46

Annex F. SAR Test Result

SAR Results for Body Exposure Condition.

Note:

1. SAR testing for WLAN 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	EUT SKU	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)
1	WLAN2.4G	802.11b	Front Face	5	11	SKU 1	Ant 0	100.00	1.00	15.00	14.81	1.04	0.03	0.177	0.18
	WLAN2.4G	802.11b	Rear Face	5	11	SKU 1	Ant 0	100.00	1.00	15.00	14.81	1.04	0	0.122	0.13
	WLAN2.4G	802.11b	Left Side	5	11	SKU 1	Ant 0	100.00	1.00	15.00	14.81	1.04	0.17	0.293	0.30
	WLAN2.4G	802.11b	Right Side	5	11	SKU 1	Ant 0	100.00	1.00	15.00	14.81	1.04	0.07	0.337	0.35
	WLAN2.4G	802.11b	Top Side	5	11	SKU 1	Ant 0	100.00	1.00	15.00	14.81	1.04	0.1	0.365	0.38
	WLAN2.4G	802.11b	Bottom Side	5	11	SKU 1	Ant 0	100.00	1.00	15.00	14.81	1.04	-0.03	0.528	0.55
	WLAN2.4G	802.11b	Bottom Side	5	1	SKU 1	Ant 0	100.00	1.00	15.00	14.75	1.06	-0.01	0.482	0.51
	WLAN2.4G	802.11b	Bottom Side	5	6	SKU 1	Ant 0	100.00	1.00	15.00	14.71	1.07	-0.16	0.456	0.49
	WLAN2.4G	802.11b	Bottom Side	5	12	SKU 1	Ant 0	100.00	1.00	15.00	14.69	1.07	-0.1	0.455	0.49
	WLAN2.4G	802.11b	Bottom Side	5	13	SKU 1	Ant 0	100.00	1.00	15.00	14.65	1.08	0.15	0.224	0.24
2	WLAN5.3G	802.11ac VHT80	Front Face	5	58	SKU 1	Ant 0	100.00	1.00	13.50	13.36	1.03	-0.1	0.333	0.34
	WLAN5.3G	802.11ac VHT80	Rear Face	5	58	SKU 1	Ant 0	100.00	1.00	13.50	13.36	1.03	-0.16	0.088	0.09
	WLAN5.3G	802.11ac VHT80	Left Side	5	58	SKU 1	Ant 0	100.00	1.00	13.50	13.36	1.03	0.13	0.133	0.14
	WLAN5.3G	802.11ac VHT80	Right Side	5	58	SKU 1	Ant 0	100.00	1.00	13.50	13.36	1.03	0.07	0.07	0.07
	WLAN5.3G	802.11ac VHT80	Top Side	5	58	SKU 1	Ant 0	100.00	1.00	13.50	13.36	1.03	0.04	0.454	0.47
	WLAN5.3G	802.11ac VHT80	Bottom Side	5	58	SKU 1	Ant 0	100.00	1.00	13.50	13.36	1.03	-0.02	0.514	0.53
3	WLAN5.6G	802.11ac VHT80	Front Face	5	138	SKU 1	Ant 0	100.00	1.00	13.50	13.39	1.03	0.09	0.414	0.43
	WLAN5.6G	802.11ac VHT80	Rear Face	5	138	SKU 1	Ant 0	100.00	1.00	13.50	13.39	1.03	-0.03	0.109	0.11
	WLAN5.6G	802.11ac VHT80	Left Side	5	138	SKU 1	Ant 0	100.00	1.00	13.50	13.39	1.03	-0.05	0.166	0.17
	WLAN5.6G	802.11ac VHT80	Right Side	5	138	SKU 1	Ant 0	100.00	1.00	13.50	13.39	1.03	0.07	0.087	0.09
	WLAN5.6G	802.11ac VHT80	Top Side	5	138	SKU 1	Ant 0	100.00	1.00	13.50	13.39	1.03	-0.15	0.565	0.58
	WLAN5.6G	802.11ac VHT80	Bottom Side	5	138	SKU 1	Ant 0	100.00	1.00	13.50	13.39	1.03	-0.11	0.627	0.65
	WLAN5.6G	802.11ac VHT80	Bottom Side	5	106	SKU 1	Ant 0	100.00	1.00	13.50	13.32	1.04	-0.01	0.524	0.54
	WLAN5.6G	802.11ac VHT80	Bottom Side	5	122	SKU 1	Ant 0	100.00	1.00	13.50	13.29	1.05	0.18	0.478	0.50
4	WLAN5.8G	802.11ac VHT80	Front Face	5	155	SKU 1	Ant 0	100.00	1.00	13.50	13.35	1.04	-0.09	0.361	0.38
	WLAN5.8G	802.11ac VHT80	Rear Face	5	155	SKU 1	Ant 0	100.00	1.00	13.50	13.35	1.04	-0.11	0.095	0.10
	WLAN5.8G	802.11ac VHT80	Left Side	5	155	SKU 1	Ant 0	100.00	1.00	13.50	13.35	1.04	0.12	0.144	0.15
	WLAN5.8G	802.11ac VHT80	Right Side	5	155	SKU 1	Ant 0	100.00	1.00	13.50	13.35	1.04	0.07	0.075	0.08
	WLAN5.8G	802.11ac VHT80	Top Side	5	155	SKU 1	Ant 0	100.00	1.00	13.50	13.35	1.04	0.07	0.492	0.51
	WLAN5.8G	802.11ac VHT80	Bottom Side	5	155	SKU 1	Ant 0	100.00	1.00	13.50	13.35	1.04	-0.18	0.553	0.58

Body SAR Test Result

System & Position						DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	EUT SKU	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)
	BT	BDR	Front Face	5	0	SKU 1	Ant 0	100.00	1.00	12.50	12.31	1.04	0.15	0.161	0.17
	BT	BDR	Rear Face	5	0	SKU 1	Ant 0	100.00	1.00	12.50	12.31	1.04	0.06	0.097	0.10
	BT	BDR	Left Side	5	0	SKU 1	Ant 0	100.00	1.00	12.50	12.31	1.04	-0.03	0.204	0.21
	BT	BDR	Right Side	5	0	SKU 1	Ant 0	100.00	1.00	12.50	12.31	1.04	0.17	0.227	0.24
	BT	BDR	Top Side	5	0	SKU 1	Ant 0	100.00	1.00	12.50	12.31	1.04	0.05	0.243	0.25
5	BT	BDR	Bottom Side	5	0	SKU 1	Ant 0	100.00	1.00	12.50	12.31	1.04	-0.06	0.266	0.28
	BT	BDR	Bottom Side	5	39	SKU 1	Ant 0	100.00	1.00	12.50	12.28	1.05	0.02	0.257	0.27
	BT	BDR	Bottom Side	5	78	SKU 1	Ant 0	100.00	1.00	12.50	12.24	1.06	-0.07	0.246	0.26
	BT	BDR	Front Face	5	0	SKU 1	Ant 0	100.00	1.00	6.50	6.43	1.02	-0.11	0.023	0.02
	BT	BDR	Rear Face	5	0	SKU 1	Ant 0	100.00	1.00	6.50	6.43	1.02	0.03	0.013	0.01
	BT	BDR	Left Side	5	0	SKU 1	Ant 0	100.00	1.00	6.50	6.43	1.02	-0.08	0.029	0.03
	BT	BDR	Right Side	5	0	SKU 1	Ant 0	100.00	1.00	6.50	6.43	1.02	0.06	0.032	0.03
	BT	BDR	Top Side	5	0	SKU 1	Ant 0	100.00	1.00	6.50	6.43	1.02	0.12	0.034	0.03
6	BT	BDR	Bottom Side	5	0	SKU 1	Ant 0	100.00	1.00	6.50	6.43	1.02	-0.09	0.038	0.04
	BT	BDR	Bottom Side	5	39	SKU 1	Ant 0	100.00	1.00	6.50	5.92	1.14	0.07	0.036	0.04
	BT	BDR	Bottom Side	5	78	SKU 1	Ant 0	100.00	1.00	6.50	6.39	1.03	0.05	0.035	0.04
	WLAN2.4G	802.11b	Front Face	5	11	SKU 2	Ant 0	100.00	1.00	15.00	14.87	1.03	0.01	0.239	0.25
	WLAN2.4G	802.11b	Rear Face	5	11	SKU 2	Ant 0	100.00	1.00	15.00	14.87	1.03	0.1	0.144	0.15
	WLAN2.4G	802.11b	Left Side	5	11	SKU 2	Ant 0	100.00	1.00	15.00	14.87	1.03	0.09	0.303	0.31
	WLAN2.4G	802.11b	Right Side	5	11	SKU 2	Ant 0	100.00	1.00	15.00	14.87	1.03	0.07	0.337	0.35
	WLAN2.4G	802.11b	Top Side	5	11	SKU 2	Ant 0	100.00	1.00	15.00	14.87	1.03	0.12	0.361	0.37
	WLAN2.4G	802.11b	Bottom Side	5	11	SKU 2	Ant 0	100.00	1.00	15.00	14.87	1.03	0.01	0.395	0.41
	WLAN2.4G	802.11b	Front Face	5	11	SKU 2	Ant 1	100.00	1.00	15.00	14.89	1.03	-0.01	0.148	0.15
	WLAN2.4G	802.11b	Rear Face	5	11	SKU 2	Ant 1	100.00	1.00	15.00	14.89	1.03	0.08	0.103	0.11
	WLAN2.4G	802.11b	Left Side	5	11	SKU 2	Ant 1	100.00	1.00	15.00	14.89	1.03	-0.1	0.246	0.25
	WLAN2.4G	802.11b	Right Side	5	11	SKU 2	Ant 1	100.00	1.00	15.00	14.89	1.03	-0.13	0.283	0.29
	WLAN2.4G	802.11b	Top Side	5	11	SKU 2	Ant 1	100.00	1.00	15.00	14.89	1.03	0.12	0.306	0.32
	WLAN2.4G	802.11b	Bottom Side	5	11	SKU 2	Ant 1	100.00	1.00	15.00	14.89	1.03	0.11	0.395	0.41
	WLAN2.4G	802.11b	Front Face	5	11	SKU 2	Ant 0+1	100.00	1.00	18.00	17.88	1.03	-0.05	0.237	0.24
	WLAN2.4G	802.11b	Rear Face	5	11	SKU 2	Ant 0+1	100.00	1.00	18.00	17.88	1.03	-0.13	0.141	0.15
	WLAN2.4G	802.11b	Left Side	5	11	SKU 2	Ant 0+1	100.00	1.00	18.00	17.88	1.03	0.19	0.298	0.31
	WLAN2.4G	802.11b	Right Side	5	11	SKU 2	Ant 0+1	100.00	1.00	18.00	17.88	1.03	-0.13	0.329	0.34
	WLAN2.4G	802.11b	Top Side	5	11	SKU 2	Ant 0+1	100.00	1.00	18.00	17.88	1.03	-0.07	0.35	0.36
	WLAN2.4G	802.11b	Bottom Side	5	11	SKU 2	Ant 0+1	100.00	1.00	18.00	17.88	1.03	-0.08	0.4	0.41
7	WLAN2.4G	802.11b	Bottom Side	5	1	SKU 2	Ant 1	100.00	1.00	15.00	14.84	1.04	-0.04	0.475	0.49
	WLAN2.4G	802.11b	Bottom Side	5	6	SKU 2	Ant 1	100.00	1.00	15.00	14.85	1.04	-0.03	0.443	0.46
	WLAN2.4G	802.11b	Bottom Side	5	12	SKU 2	Ant 1	100.00	1.00	15.00	14.76	1.06	-0.16	0.458	0.49
	WLAN2.4G	802.11b	Bottom Side	5	13	SKU 2	Ant 1	100.00	1.00	12.00	11.84	1.04	0.07	0.255	0.27
	WLAN2.4G	802.11b	Bottom Side	5	1	SKU 3	Ant 1	100.00	1.00	15.00	14.84	1.04	0.1	0.457	0.48

Body SAR Test Result

System & Position						DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	EUT SKU	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)
	WLAN5.3G	802.11ac VHT80	Front Face	5	58	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	0.1	0.164	0.17
	WLAN5.3G	802.11ac VHT80	Rear Face	5	58	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	-0.1	0.058	0.06
	WLAN5.3G	802.11ac VHT80	Left Side	5	58	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	-0.12	0.129	0.13
	WLAN5.3G	802.11ac VHT80	Right Side	5	58	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	0.07	0.039	0.04
	WLAN5.3G	802.11ac VHT80	Top Side	5	58	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	0.07	0.234	0.24
	WLAN5.3G	802.11ac VHT80	Bottom Side	5	58	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	0.01	0.273	0.28
	WLAN5.3G	802.11ac VHT80	Front Face	5	58	SKU 2	Ant 1	100.00	1.00	13.50	13.37	1.03	-0.01	0.27	0.28
	WLAN5.3G	802.11ac VHT80	Rear Face	5	58	SKU 2	Ant 1	100.00	1.00	13.50	13.37	1.03	0.19	0.04	0.04
	WLAN5.3G	802.11ac VHT80	Left Side	5	58	SKU 2	Ant 1	100.00	1.00	13.50	13.37	1.03	-0.1	0.081	0.08
	WLAN5.3G	802.11ac VHT80	Right Side	5	58	SKU 2	Ant 1	100.00	1.00	13.50	13.37	1.03	-0.02	0.044	0.05
	WLAN5.3G	802.11ac VHT80	Top Side	5	58	SKU 2	Ant 1	100.00	1.00	13.50	13.37	1.03	-0.15	0.291	0.30
	WLAN5.3G	802.11ac VHT80	Bottom Side	5	58	SKU 2	Ant 1	100.00	1.00	13.50	13.37	1.03	-0.01	0.332	0.34
	WLAN5.3G	802.11ac VHT80	Front Face	5	58	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.07	0.227	0.23
	WLAN5.3G	802.11ac VHT80	Rear Face	5	58	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.05	0.06	0.06
	WLAN5.3G	802.11ac VHT80	Left Side	5	58	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	0.13	0.091	0.09
	WLAN5.3G	802.11ac VHT80	Right Side	5	58	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.17	0.047	0.05
	WLAN5.3G	802.11ac VHT80	Top Side	5	58	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.07	0.31	0.32
8	WLAN5.3G	802.11ac VHT80	Bottom Side	5	58	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.07	0.407	0.42
	WLAN5.3G	802.11ac VHT80	Bottom Side	5	58	SKU 3	Ant 0+1	100.00	1.00	16.50	16.39	1.03	0.12	0.375	0.39
	WLAN5.6G	802.11ac VHT80	Front Face	5	138	SKU 2	Ant 0	100.00	1.00	13.50	13.39	1.03	0.18	0.192	0.20
	WLAN5.6G	802.11ac VHT80	Rear Face	5	138	SKU 2	Ant 0	100.00	1.00	13.50	13.39	1.03	0.1	0.068	0.07
	WLAN5.6G	802.11ac VHT80	Left Side	5	138	SKU 2	Ant 0	100.00	1.00	13.50	13.39	1.03	-0.13	0.152	0.16
	WLAN5.6G	802.11ac VHT80	Right Side	5	138	SKU 2	Ant 0	100.00	1.00	13.50	13.39	1.03	0.07	0.046	0.05
	WLAN5.6G	802.11ac VHT80	Top Side	5	138	SKU 2	Ant 0	100.00	1.00	13.50	13.39	1.03	-0.02	0.274	0.28
	WLAN5.6G	802.11ac VHT80	Bottom Side	5	138	SKU 2	Ant 0	100.00	1.00	13.50	13.39	1.03	0.01	0.324	0.33
	WLAN5.6G	802.11ac VHT80	Front Face	5	138	SKU 2	Ant 1	100.00	1.00	13.50	13.38	1.03	-0.01	0.316	0.33
	WLAN5.6G	802.11ac VHT80	Rear Face	5	138	SKU 2	Ant 1	100.00	1.00	13.50	13.38	1.03	-0.02	0.047	0.05
	WLAN5.6G	802.11ac VHT80	Left Side	5	138	SKU 2	Ant 1	100.00	1.00	13.50	13.38	1.03	-0.1	0.095	0.10
	WLAN5.6G	802.11ac VHT80	Right Side	5	138	SKU 2	Ant 1	100.00	1.00	13.50	13.38	1.03	0.17	0.051	0.05
	WLAN5.6G	802.11ac VHT80	Top Side	5	138	SKU 2	Ant 1	100.00	1.00	13.50	13.38	1.03	-0.08	0.341	0.35
	WLAN5.6G	802.11ac VHT80	Bottom Side	5	138	SKU 2	Ant 1	100.00	1.00	13.50	13.38	1.03	-0.19	0.391	0.40
	WLAN5.6G	802.11ac VHT80	Front Face	5	138	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	0	0.266	0.27
	WLAN5.6G	802.11ac VHT80	Rear Face	5	138	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.15	0.07	0.07
	WLAN5.6G	802.11ac VHT80	Left Side	5	138	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	0.09	0.106	0.11
	WLAN5.6G	802.11ac VHT80	Right Side	5	138	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.18	0.056	0.06
	WLAN5.6G	802.11ac VHT80	Top Side	5	138	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.07	0.363	0.37
9	WLAN5.6G	802.11ac VHT80	Bottom Side	5	138	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.06	0.451	0.46
	WLAN5.6G	802.11ac VHT80	Bottom Side	5	106	SKU 2	Ant 0+1	100.00	1.00	16.50	16.35	1.04	0.14	0.356	0.37
	WLAN5.6G	802.11ac VHT80	Bottom Side	5	122	SKU 2	Ant 0+1	100.00	1.00	16.50	16.23	1.06	-0.17	0.385	0.41
	WLAN5.6G	802.11ac VHT80	Bottom Side	5	138	SKU 3	Ant 0+1	100.00	1.00	16.50	16.39	1.03	0.07	0.421	0.43

Body SAR Test Result

System & Position						DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	EUT SKU	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	802.11ac VHT80	Front Face	5	155	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	-0.08	0.216	0.22
	WLAN5.8G	802.11ac VHT80	Rear Face	5	155	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	0.11	0.077	0.08
	WLAN5.8G	802.11ac VHT80	Left Side	5	155	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	0.06	0.17	0.18
	WLAN5.8G	802.11ac VHT80	Right Side	5	155	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	0.07	0.052	0.05
	WLAN5.8G	802.11ac VHT80	Top Side	5	155	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	0.19	0.308	0.32
	WLAN5.8G	802.11ac VHT80	Bottom Side	5	155	SKU 2	Ant 0	100.00	1.00	13.50	13.38	1.03	0.01	0.353	0.36
	WLAN5.8G	802.11ac VHT80	Front Face	5	155	SKU 2	Ant 1	100.00	1.00	13.50	13.39	1.03	-0.01	0.355	0.37
	WLAN5.8G	802.11ac VHT80	Rear Face	5	155	SKU 2	Ant 1	100.00	1.00	13.50	13.39	1.03	-0.07	0.052	0.05
	WLAN5.8G	802.11ac VHT80	Left Side	5	155	SKU 2	Ant 1	100.00	1.00	13.50	13.39	1.03	-0.1	0.107	0.11
	WLAN5.8G	802.11ac VHT80	Right Side	5	155	SKU 2	Ant 1	100.00	1.00	13.50	13.39	1.03	0.06	0.057	0.06
	WLAN5.8G	802.11ac VHT80	Top Side	5	155	SKU 2	Ant 1	100.00	1.00	13.50	13.39	1.03	0.13	0.383	0.39
	WLAN5.8G	802.11ac VHT80	Bottom Side	5	155	SKU 2	Ant 1	100.00	1.00	13.50	13.39	1.03	-0.15	0.431	0.44
	WLAN5.8G	802.11ac VHT80	Front Face	5	155	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	0.17	0.299	0.31
	WLAN5.8G	802.11ac VHT80	Rear Face	5	155	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	0.1	0.079	0.08
	WLAN5.8G	802.11ac VHT80	Left Side	5	155	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	0.16	0.12	0.12
	WLAN5.8G	802.11ac VHT80	Right Side	5	155	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.16	0.062	0.06
	WLAN5.8G	802.11ac VHT80	Top Side	5	155	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.07	0.408	0.42
10	WLAN5.8G	802.11ac VHT80	Bottom Side	5	155	SKU 2	Ant 0+1	100.00	1.00	16.50	16.39	1.03	-0.07	0.477	0.49
	WLAN5.8G	802.11ac VHT80	Bottom Side	5	155	SKU 3	Ant 0+1	100.00	1.00	16.50	16.39	1.03	0.12	0.459	0.47
	BT	LE	Front Face	5	0	SKU 2	Ant 0	60.90	1.64	12.50	12.38	1.03	-0.02	0.107	0.18
	BT	LE	Rear Face	5	0	SKU 2	Ant 0	60.90	1.64	12.50	12.38	1.03	0.06	0.064	0.11
	BT	LE	Left Side	5	0	SKU 2	Ant 0	60.90	1.64	12.50	12.38	1.03	0.13	0.136	0.23
	BT	LE	Right Side	5	0	SKU 2	Ant 0	60.90	1.64	12.50	12.38	1.03	0.05	0.151	0.26
	BT	LE	Top Side	5	0	SKU 2	Ant 0	60.90	1.64	12.50	12.38	1.03	0.07	0.161	0.27
11	BT	LE	Bottom Side	5	0	SKU 2	Ant 0	60.90	1.64	12.50	12.38	1.03	-0.07	0.177	0.30
	BT	LE	Bottom Side	5	19	SKU 2	Ant 0	60.90	1.64	12.50	12.32	1.04	0.12	0.171	0.29
	BT	LE	Bottom Side	5	39	SKU 2	Ant 0	60.90	1.64	12.50	12.31	1.04	0.05	0.164	0.28
	BT	LE	Bottom Side	5	0	SKU 3	Ant 0	60.90	1.64	12.50	12.38	1.03	0.03	0.169	0.29
	BT	BDR	Front Face	5	78	SKU 2	Ant 0	100.00	1.00	6.50	6.43	1.02	-0.15	0.021	0.02
	BT	BDR	Rear Face	5	78	SKU 2	Ant 0	100.00	1.00	6.50	6.43	1.02	0.08	0.013	0.01
	BT	BDR	Left Side	5	78	SKU 2	Ant 0	100.00	1.00	6.50	6.43	1.02	0.03	0.027	0.03
	BT	BDR	Right Side	5	78	SKU 2	Ant 0	100.00	1.00	6.50	6.43	1.02	-0.11	0.029	0.03
	BT	BDR	Top Side	5	78	SKU 2	Ant 0	100.00	1.00	6.50	6.43	1.02	0.07	0.032	0.03
12	BT	BDR	Bottom Side	5	78	SKU 2	Ant 0	100.00	1.00	6.50	6.43	1.02	-0.12	0.036	0.04
	BT	BDR	Bottom Side	5	0	SKU 2	Ant 0	100.00	1.00	6.50	6.39	1.03	0.01	0.031	0.03
	BT	BDR	Bottom Side	5	39	SKU 2	Ant 0	100.00	1.00	6.50	5.92	1.14	-0.06	0.032	0.04
	BT	BDR	Bottom Side	5	78	SKU 3	Ant 0	100.00	1.00	6.50	6.43	1.02	0.03	0.03	0.03

Annex G. SAR Measurement Variability

Since all the measured SAR_{1g} are less than 0.8 W/kg, the repeated measurement is not required.

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	SKU 2 & 3 - Capable Transmit Configurations	Body Exposure Condition
A	WLAN 2.4G + BT	Yes
B	WLAN 5G + BT	Yes
Notes 1. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.		

Simultaneous TX Combination	SKU 1 - Capable Transmit Configurations	Body Exposure Condition
C	WLAN 5G + BT	Yes
Notes 1. The WLAN 2.4G and BT cannot transmit simultaneously. 2. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.		

Simultaneous Transmission SAR Evaluation (Body) - SKU 1 for Higher Power			
Position	1	2	C (1 + 2)
	Max WLAN 5GHz	Max BT	Summimg result 1g SAR W/kg
	1g SAR W/kg	1g SAR W/kg	
Front Face	0.43	0.17	0.60
Rear Face	0.11	0.10	0.21
Left Side	0.17	0.21	0.38
Right Side	0.09	0.24	0.33
Top Side	0.58	0.25	0.83
Bottom Side	0.65	0.28	0.93

Simultaneous Transmission SAR Evaluation (Body) - SKU 1 for Lower Power			
Position	1	2	C (1 + 2)
	Max WLAN 5GHz	Max BT	Summimg result 1g SAR W/kg
	1g SAR W/kg	1g SAR W/kg	
Front Face	0.43	0.02	0.45
Rear Face	0.11	0.01	0.12
Left Side	0.17	0.03	0.20
Right Side	0.09	0.03	0.12
Top Side	0.58	0.03	0.61
Bottom Side	0.65	0.04	0.69

Simultaneous Transmission SAR Evaluation (Body) - **SKU 2 & 3 for Higher Power**

Position	1	2	3	A (1 + 3)	B (2 + 3)
	Max WLAN 2.4GHz	Max WLAN 5GHz	Max BT	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg		
Front Face	0.25	0.37	0.18	0.43	0.55
Rear Face	0.15	0.08	0.11	0.26	0.19
Left Side	0.31	0.18	0.23	0.54	0.41
Right Side	0.35	0.06	0.26	0.61	0.32
Top Side	0.37	0.42	0.27	0.64	0.69
Bottom Side	0.49	0.49	0.30	0.79	0.79

Simultaneous Transmission SAR Evaluation (Body) - **SKU 2 & 3 for Lower Power**

Position	1	2	3	A (1 + 3)	B (2 + 3)
	Max WLAN 2.4GHz	Max WLAN 5GHz	Max BT	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg		
Front Face	0.25	0.37	0.02	0.27	0.39
Rear Face	0.15	0.08	0.01	0.16	0.09
Left Side	0.31	0.18	0.03	0.34	0.21
Right Side	0.35	0.06	0.03	0.38	0.09
Top Side	0.37	0.42	0.03	0.40	0.45
Bottom Side	0.49	0.49	0.04	0.53	0.53

Annex I. SAR to Peak Location Separation Ratio Analysis.

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

Annex J. Calibration of Test Equipment List

Calibration of Test Equipment List are shown as below.

Equipment for SAR Test

Equipment	Manufacturer	Model	SN	Cal. Date	Cal. Interval
System Validation Dipole	SPEAG	D2450V2	737	Aug. 26, 2021	1 Year
System Validation Dipole	SPEAG	D5GHzV2	1019	Mar. 19, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3820	Jul. 28, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	861	Apr. 14, 2021	1 Year
Spectrum Analyzer	R&S	FSL6	102006	Apr. 06, 2021	1 Year
Universal Wireless Test Set	Anritsu	MT8870A/MU887000A	6201699387	Sep. 22, 2021	1 Year
Thermometer	YFE	YF-160A	191100743	Apr. 12, 2021	1 Year
Dielectric Assessment Kit	SPEAG	DAKS-3.5	1151	Jul. 14, 2021	1 Year
Powersource1	SPEAG	SE_UMS_160 BA	4010	Jul. 13, 2021	1 Year

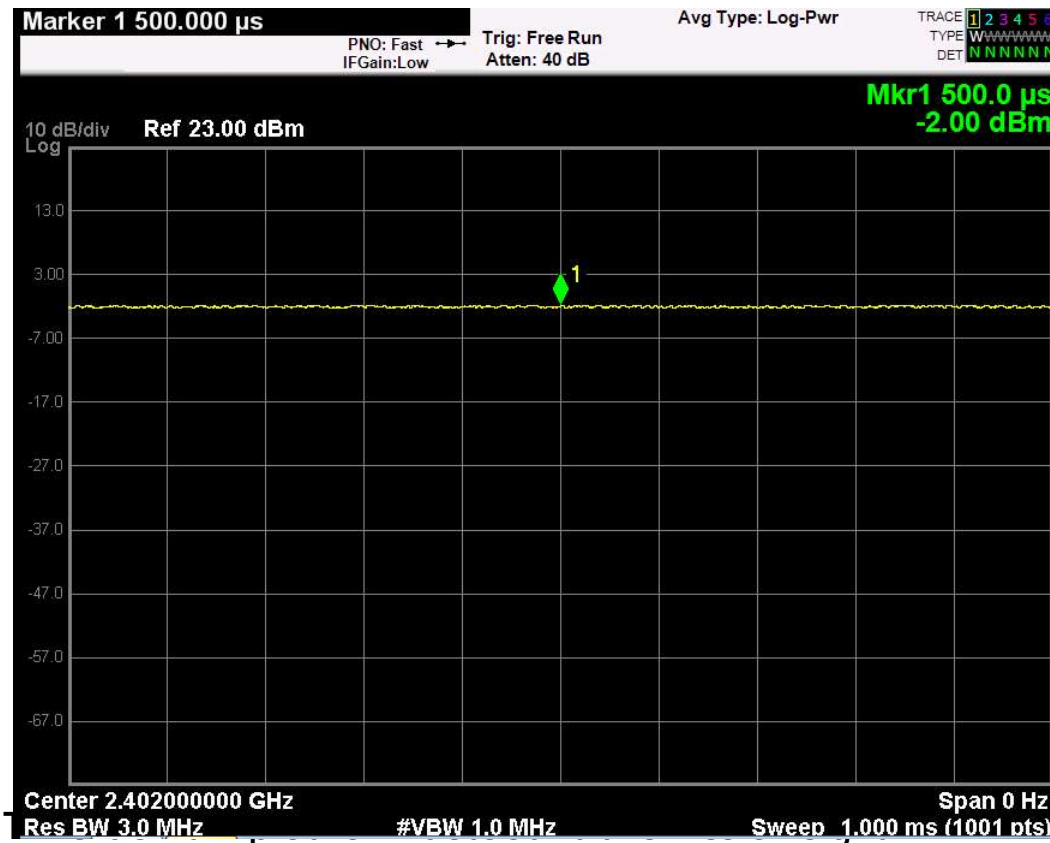
Annex K. Considerations Related to Bluetooth for Setup and Testing

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

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

The duty factor of Bluetooth signal are shown as below.

<Time-domain plot for Bluetooth transmission signal>



The duty factor of Bluetooth signal has been calculated as following.
Duty Factor = Pulse Width / Total Period = 100%