

Annex A. Plots of SAR and Power Density System Verification

The plots for system verification are shown as follows.

S01 System Check_H2450_211029

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 835

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

Medium: H19T27N1_1029 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.864$ S/m; $\epsilon_r = 38.07$; $\rho = 1000$ 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 Sn1341; Calibrated: 2021/08/20
- Phantom: ELI Phantom_1206; Type: QDOVA002AA;
- 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) = 4.28 W/kg

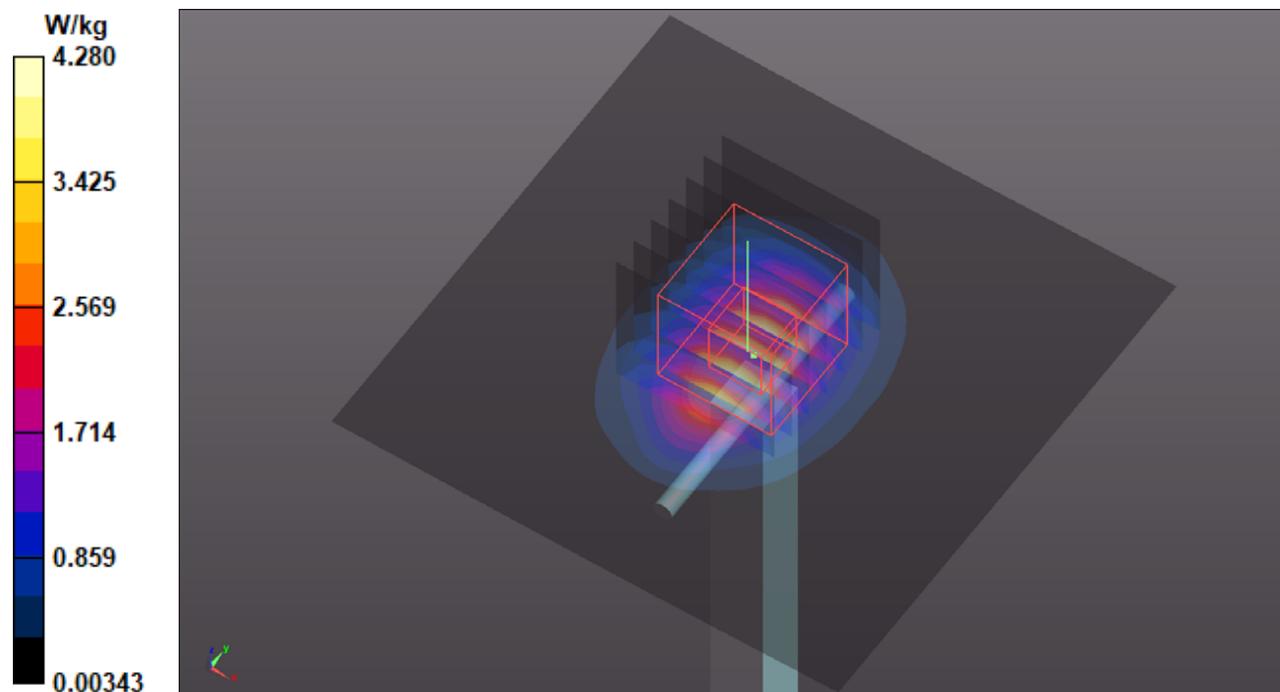
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.51 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.15 W/kg

SAR(1 g) = 2.55 W/kg; SAR(10 g) = 1.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.26 W/kg



S02 System Check_H5250_211029

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

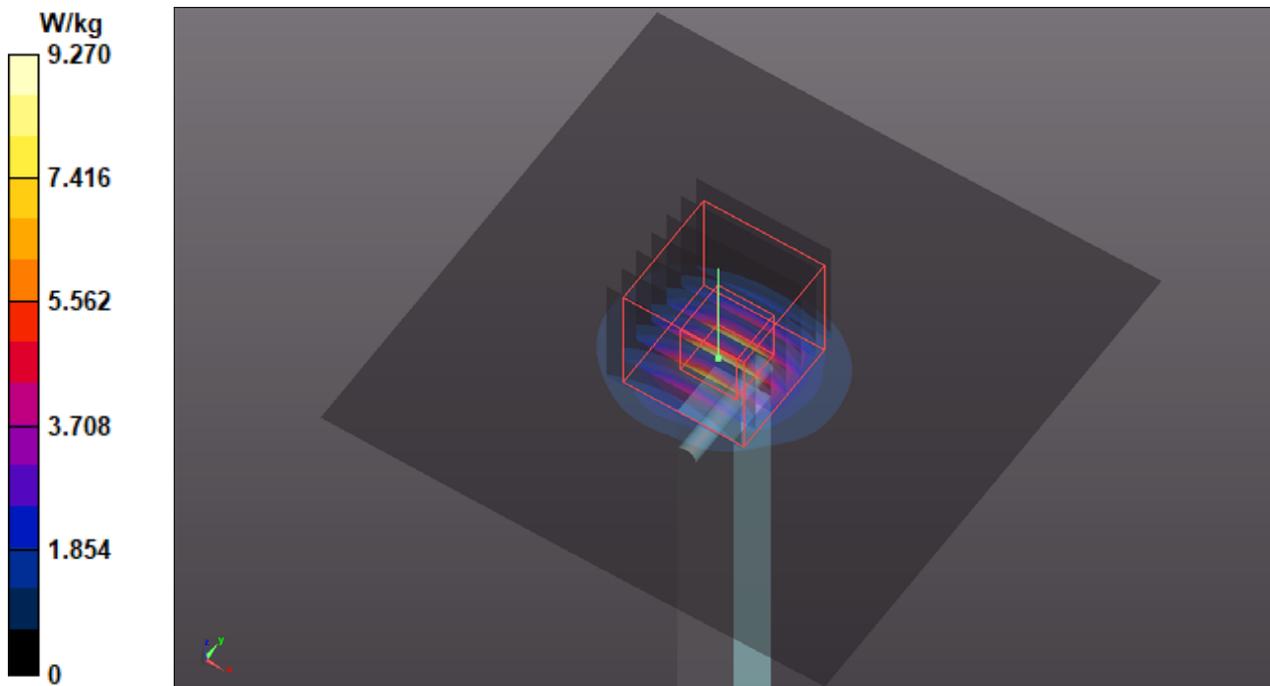
Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1
Medium: H34T60N1_1029 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.515$ S/m;
 $\epsilon_r = 37.007$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

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 Sn1341; Calibrated: 2021/08/20
- Phantom: ELI Phantom_1206; Type: QDOVA002AA;
- 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) = 9.27 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 49.73 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 15.1 W/kg
SAR(1 g) = 4.01 W/kg; SAR(10 g) = 1.17 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.83 W/kg



S03 System Check_H5600_211029

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

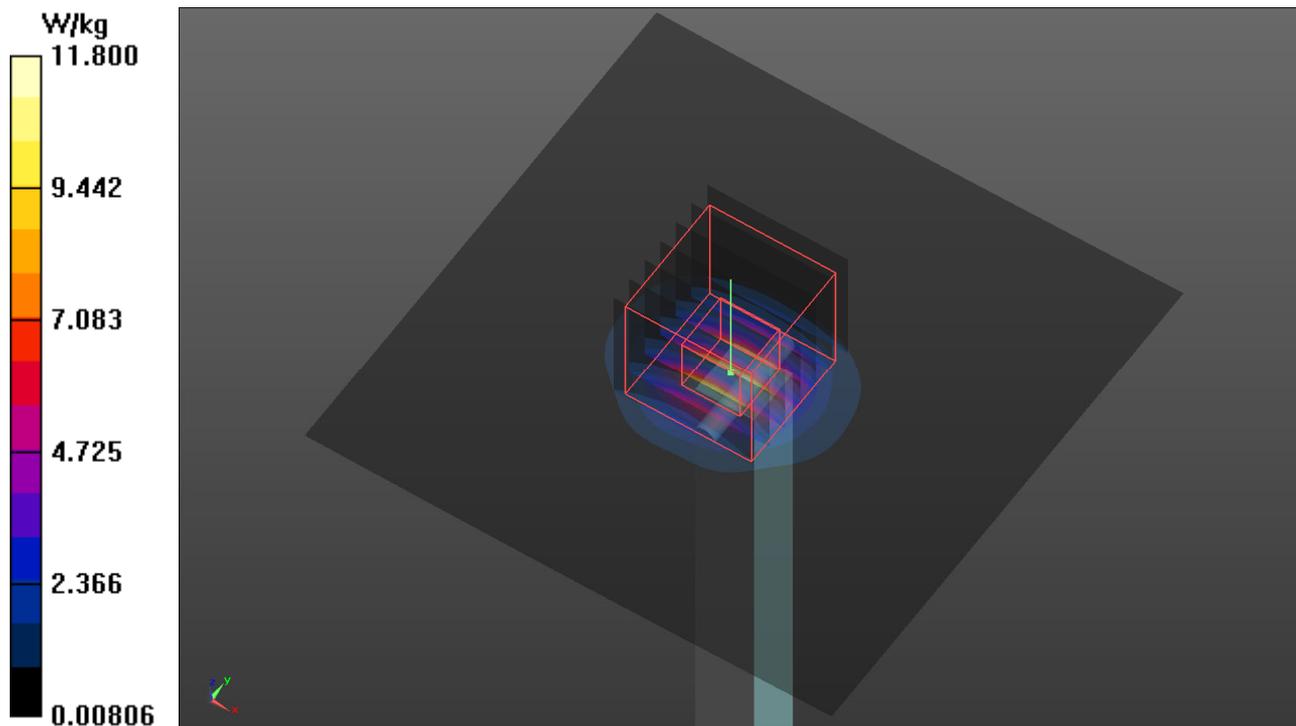
Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium: H34T60N1_1029 Medium parameters used: $f = 5600$ MHz; $\sigma = 4.853$ S/m; $\epsilon_r = 36.535$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.7 °C

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 Sn1341; Calibrated: 2021/08/20
- Phantom: ELI Phantom_1206; Type: QDOVA002AA;
- 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) = 11.8 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 54.46 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 20.6 W/kg
SAR(1 g) = 4.53 W/kg; SAR(10 g) = 1.30 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 12.5 W/kg



S04 System Check_H5750_211029

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

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

Medium: H34T60N1_1029 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.009$ S/m; $\epsilon_r = 36.31$; $\rho = 1000$ 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 Sn1341; Calibrated: 2021/08/20
- Phantom: ELI Phantom_1206; Type: QDOVA002AA;
- 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) = 9.19 W/kg

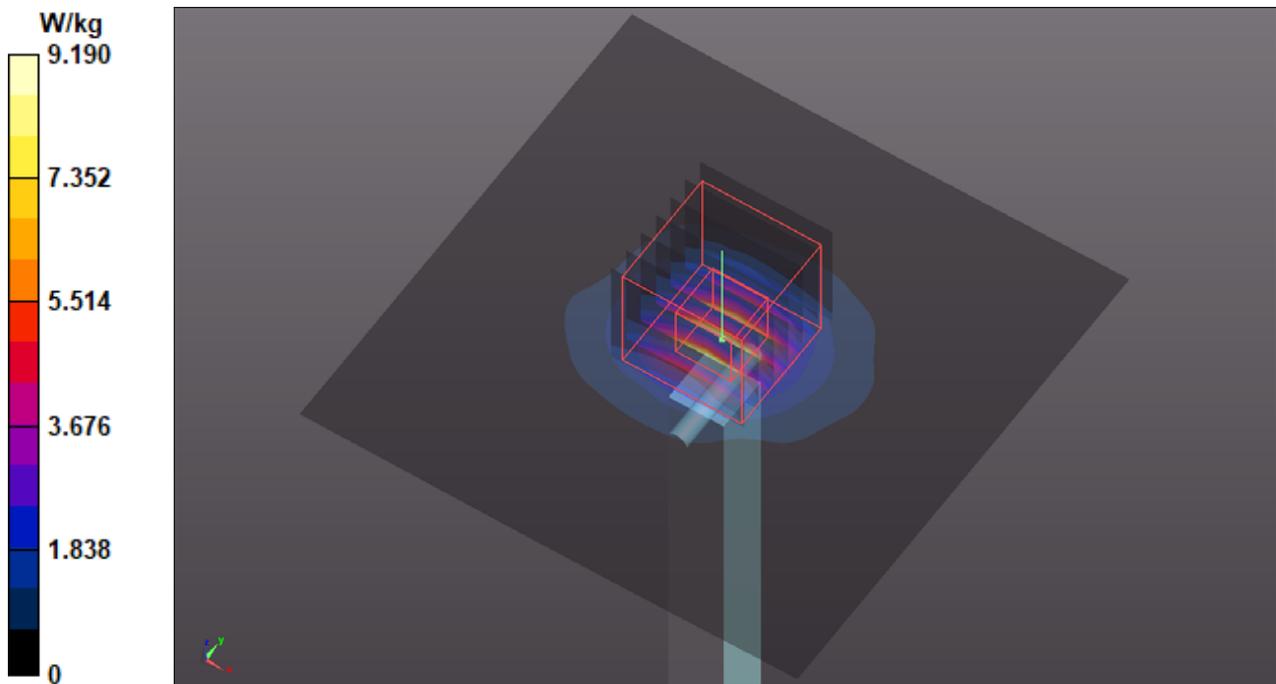
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.72 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 4.35 W/kg; SAR(10 g) = 1.25 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.9 W/kg



S05 System Check_H2450_211016

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 835

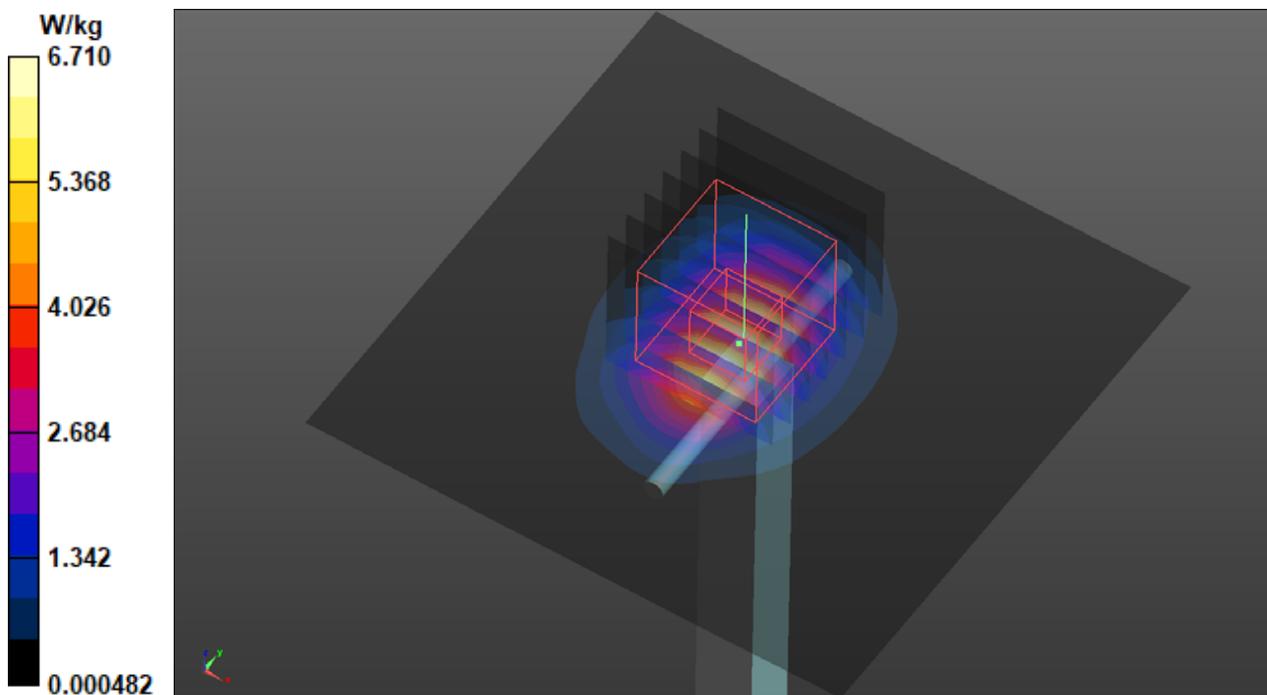
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: H19T27N1_1016 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.885$ S/m;
 $\epsilon_r = 38.34$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.77, 7.77, 7.77) @ 2450 MHz; Calibrated: 2021/03/26
- 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) = 6.71 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.99 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 8.53 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.81 W/kg



S06 System Check_H2450_211005

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 835

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

Medium: H19T27N1_1005 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.87$ S/m; $\epsilon_r = 38.896$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(7.49, 7.49, 7.49) @ 2450 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- 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) = 4.57 W/kg

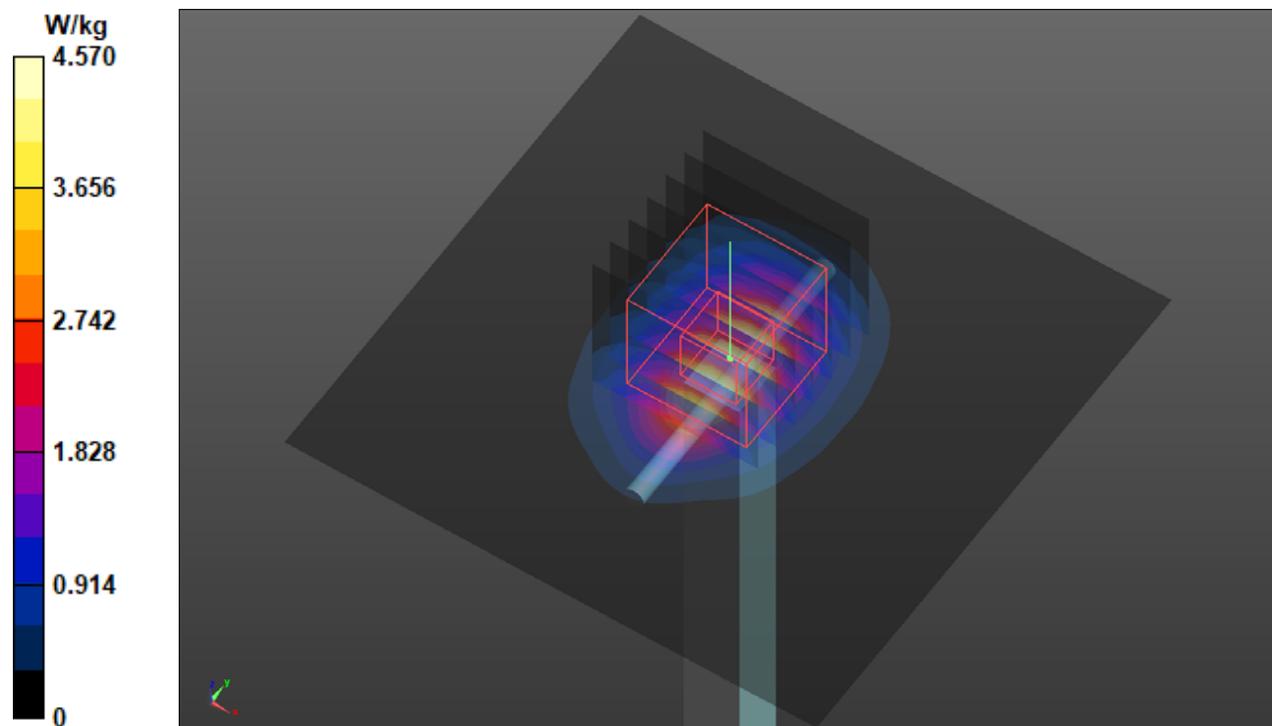
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.36 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 5.74 W/kg

SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.61 W/kg



S07 System Check_H5250_211005

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

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

Medium: H34T60N1_1005 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.726$ S/m; $\epsilon_r = 36.971$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(5.1, 5.1, 5.1) @ 5250 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- 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) = 9.48 W/kg

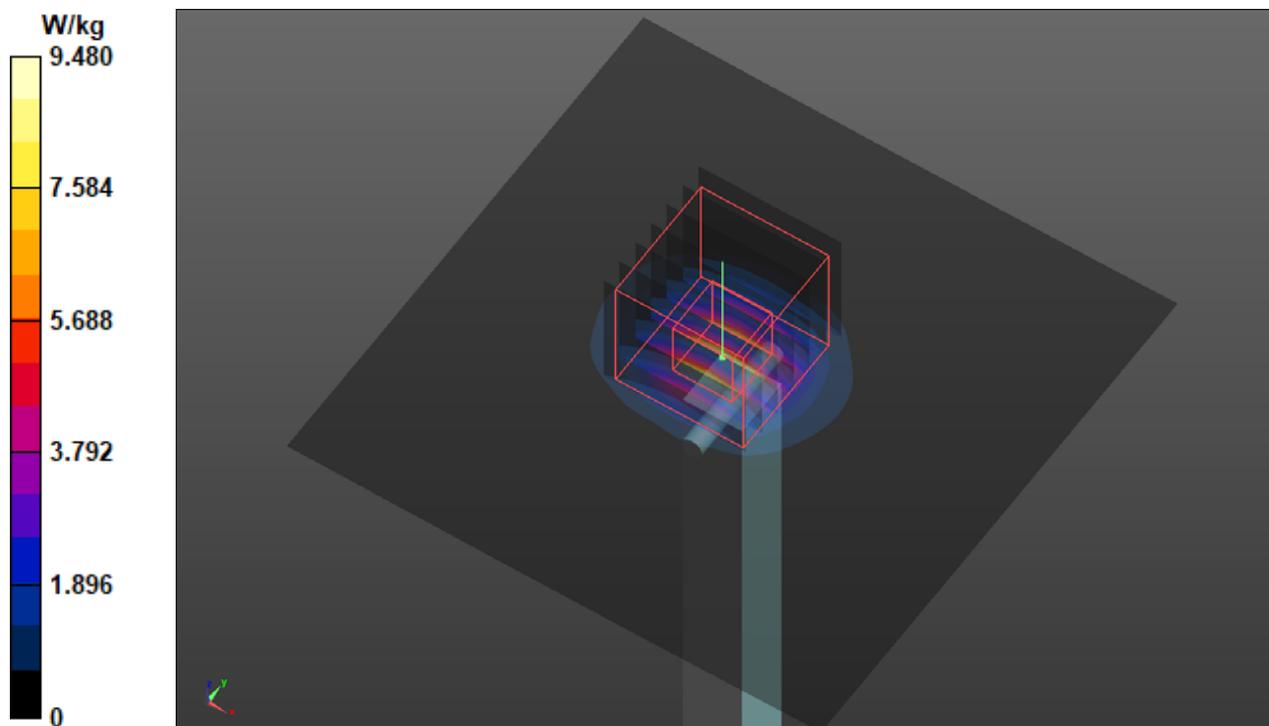
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.73 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 15.8 W/kg

SAR(1 g) = 4.04 W/kg; SAR(10 g) = 1.16 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.0 W/kg



S08 System Check_H5600_211005

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

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

Medium: H34T60N1_1005 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.09$ S/m; $\epsilon_r = 36.503$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(4.6, 4.6, 4.6) @ 5600 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- 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) = 10.9 W/kg

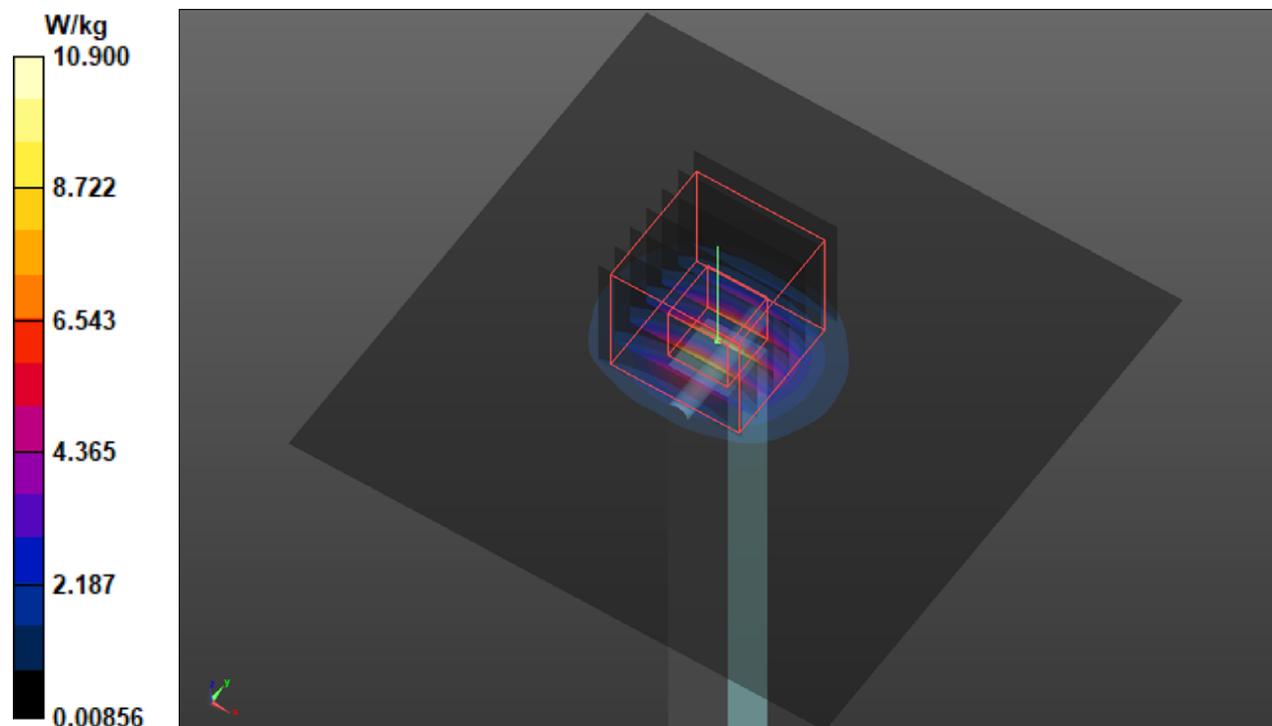
Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 42.80 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.1 W/kg

SAR(1 g) = 4.26 W/kg; SAR(10 g) = 1.23 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.0 W/kg



S09 System Check_H5750_211005

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

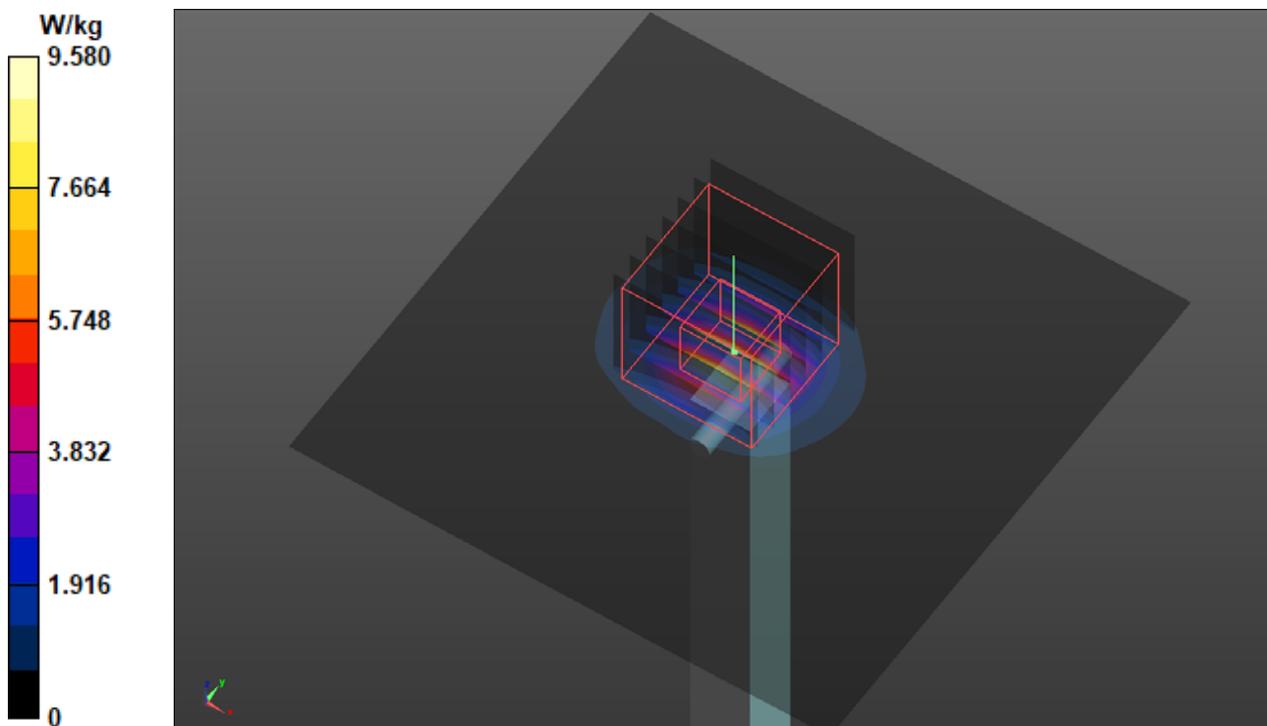
Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1
Medium: H34T60N1_1005 Medium parameters used: $f = 5750$ MHz; $\sigma = 5.249$ S/m; $\epsilon_r = 36.283$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(4.8, 4.8, 4.8) @ 5750 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- 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) = 9.58 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 44.18 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 17.6 W/kg
SAR(1 g) = 3.88 W/kg; SAR(10 g) = 1.11 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.1 W/kg



S10 System Check_H2450_211005

DUT: Dipole 2450 MHz; Type: D2450V2; SN: 835

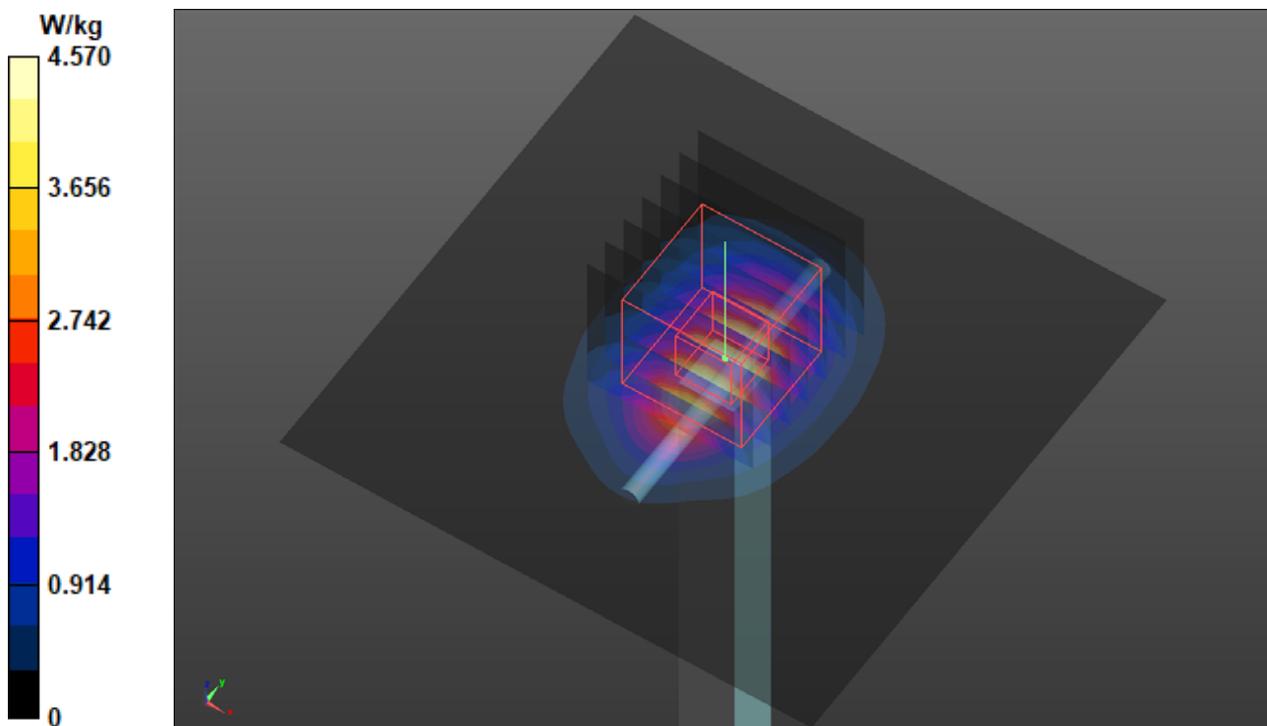
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: H19T27N1_1005 Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.87$ S/m; $\epsilon_r = 38.896$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(7.49, 7.49, 7.49) @ 2450 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- 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) = 4.57 W/kg

Pin=50mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.36 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 5.74 W/kg
SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.28 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.61 W/kg



Measurement Report

S11 System Check_H6.5GHz_211102

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
H6.5GHz	50.0 x 10.0 x 8.0		6.5GHzV2 Valisation Kit

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL			UID 0	6500	5.6	6.17	33.5

Hardware Setup

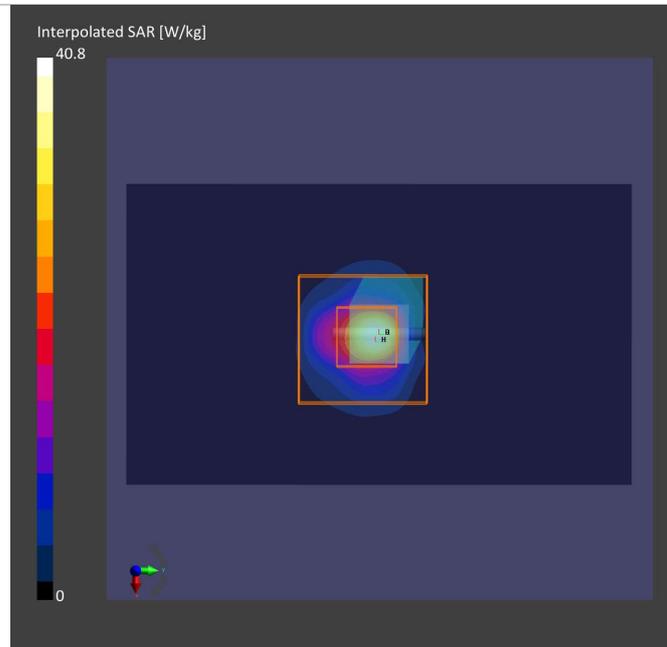
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H50T72N2 , 2021-Nov-02	EX3DV4 - SN7537, 2021-04-26	DAE4 Sn1585, 2021-04-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-02	2021-11-02
psSAR1g [W/Kg]	22.6	27.3
psSAR10g [W/Kg]	4.55	5.08
Power Drift [dB]	-0.02	-0.05



Measurement Report

S12 System Check_H6.5GHz_211102

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
H6.5GHz	50.0 x 10.0 x 8.0		6.5GHzV2 Valisation Kit

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL			UID 0	6500	5.6	6.17	33.5

Hardware Setup

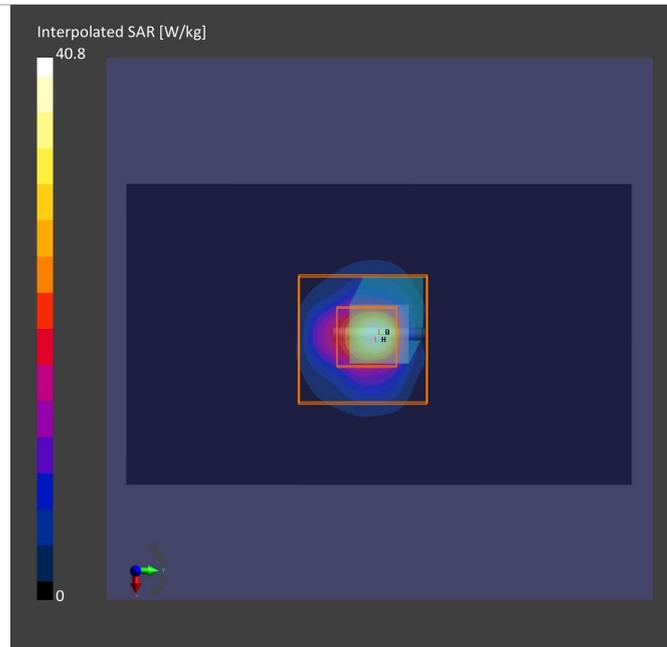
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H50T72N2 , 2021-Nov-02	EX3DV4 - SN7537, 2021-04-26	DAE4 Sn1585, 2021-04-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-02	2021-11-02
psSAR1g [W/Kg]	22.6	27.3
psSAR10g [W/Kg]	4.55	5.08
Power Drift [dB]	-0.02	-0.05



Test Lab: Bureau Veritas ADT SAR/HAC/PD Testing Lab

Power Density Plot No.:

S11 PD_System Check_10 GHz_2021.11.03

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPEAG	100.0 x 100.0 x 172.0	SN: 1025	6.5GHzV2 Valisation Kit

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Front 10.00	Validation band	CW	10000.0	1.0

Hardware Setup

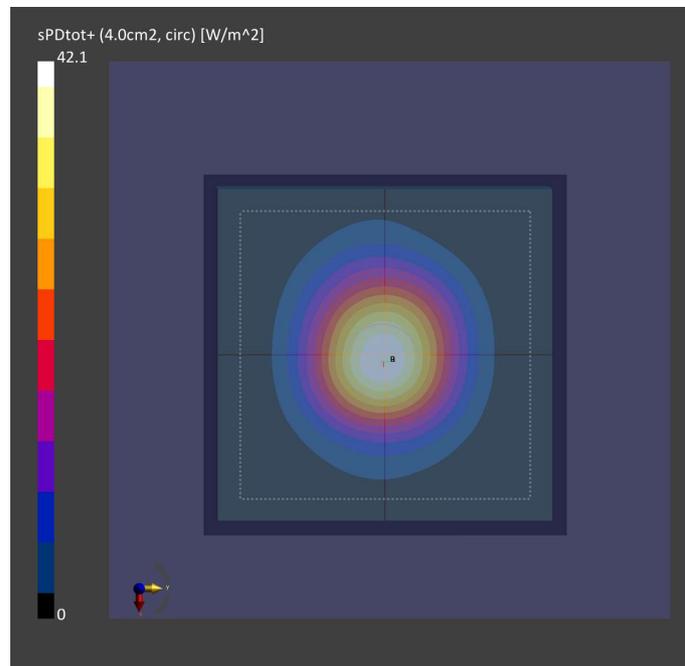
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-55GHz, 2021-07-26	DAE4 Sn1589, 2021-08-20

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

	5G Scan
Date	2021-11-03
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	42.1
pSnavg [W/m ²]	41.8
E _{peak} [V/m]	136
Power Drift [dB]	0.01



Test Lab: Bureau Veritas ADT SAR/HAC/PD Testing Lab

Power Density Plot No.:

S12 PD_System Check_10 GHz_2021.11.02

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPEAG	100.0 x 100.0 x 172.0	SN: 1025	6.5GHzV2 Valisation Kit

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Front 10.00	Validation band	CW	10000.0	1.0

Hardware Setup

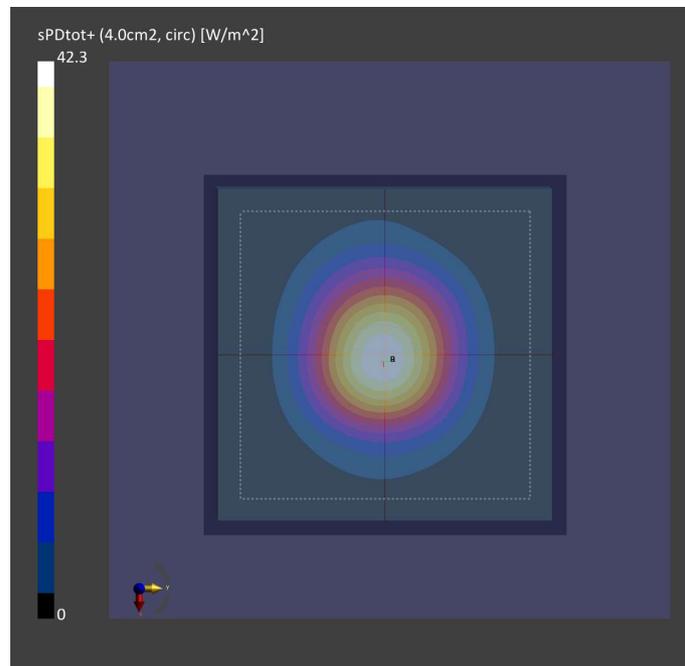
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-55GHz, 2021-07-26	DAE4 Sn1589, 2021-08-20

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

	5G Scan
Date	2021-11-02
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	42.3
pSnavg [W/m ²]	42.1
E _{peak} [V/m]	135
Power Drift [dB]	0.03



Annex B. Plots of SAR and Power Density Measurement

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

P01 WLAN2.4G_802.11b_Top Side_0mm_Ch6_Sample 1_Ant 1

DUT: BFLF-WTW-P21090940

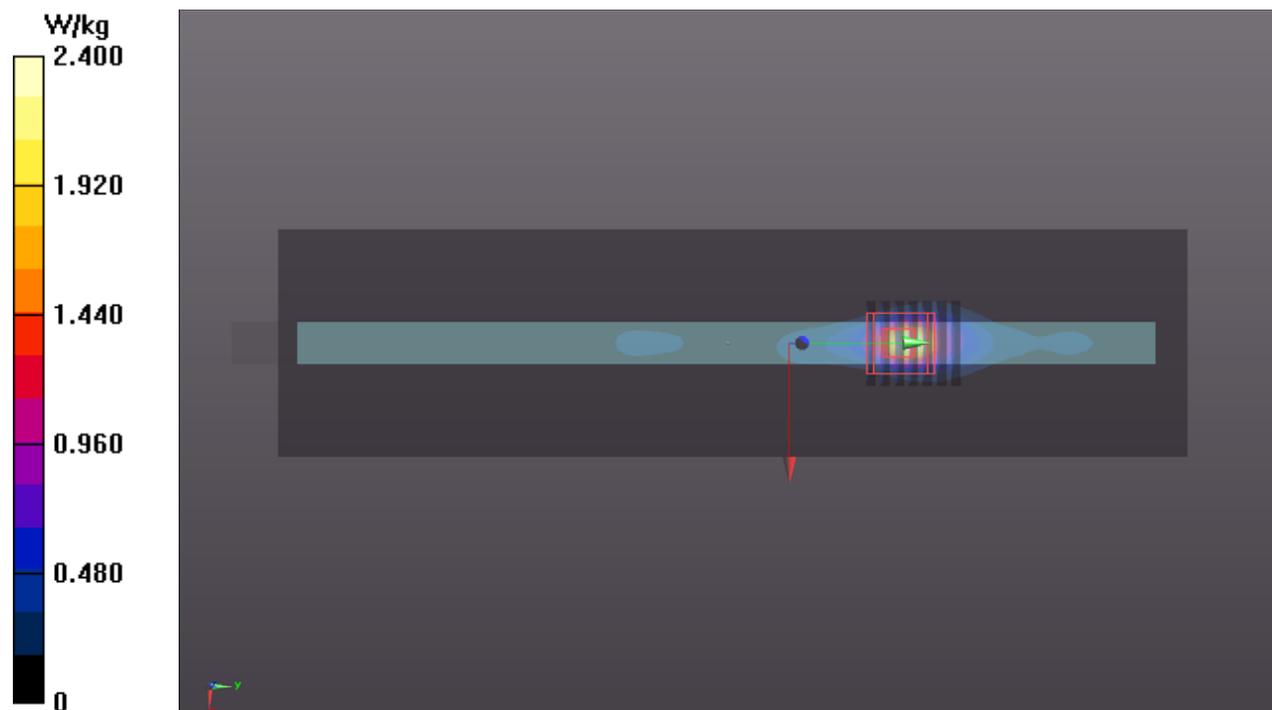
Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);
Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: H19T27N1_1029 Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.861$ S/m;
 $\epsilon_r = 38.392$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(6.81, 6.81, 6.81) @ 2437 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2021/08/20
- Phantom: ELI Phantom_1206; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (71x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 2.40 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 37.25 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 3.21 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.462 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 6 mm
Ratio of SAR at M2 to SAR at M1 = 38.4%
Maximum value of SAR (measured) = 2.35 W/kg



P02 WLAN5.3G_802.11ac VHT160_Top Side_0mm_Ch50_Sample 1_Ant 0+1**DUT: BFLF-WTW-P21090940**

Communication System: UID 10554 - AAD, IEEE 802.11ac WiFi (160MHz, MCS0); Frequency: 5250 MHz; Duty Cycle: 1:1.02

Medium: H34T60N1_1029 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.515$ S/m;

$\epsilon_r = 37.007$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 23.2 °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 Sn1341; Calibrated: 2021/08/20

- Phantom: ELI Phantom_1206; Type: QDOVA002AA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x321x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.21 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 29.13 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 6.50 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.208 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 62.2%

Maximum value of SAR (measured) = 3.67 W/kg

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

Reference Value = 29.13 V/m; Power Drift = -0.11 dB

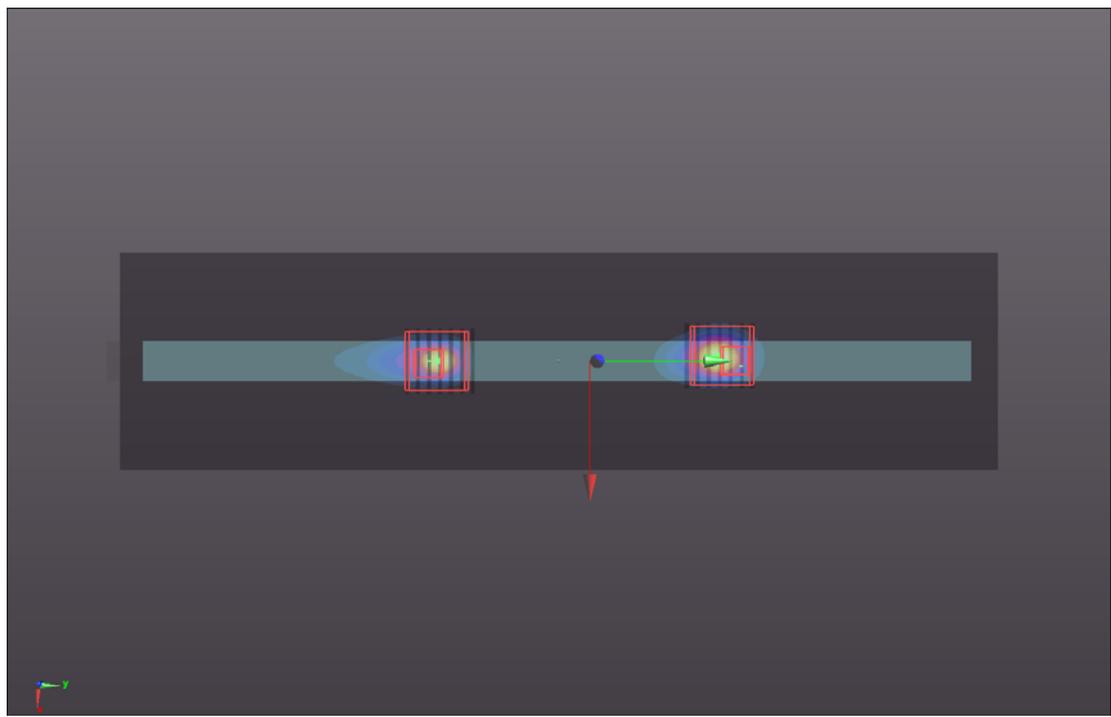
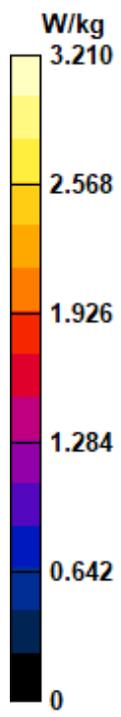
Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 0.728 W/kg; SAR(10 g) = 0.147 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 4 mm

Ratio of SAR at M2 to SAR at M1 = 64.2%

Maximum value of SAR (measured) = 1.89 W/kg



P03 WLAN5.6G_802.11ac VHT160_Top Side_0mm_Ch114_Sample 1_Ant 0+1

DUT: BFLF-WTW-P21090940

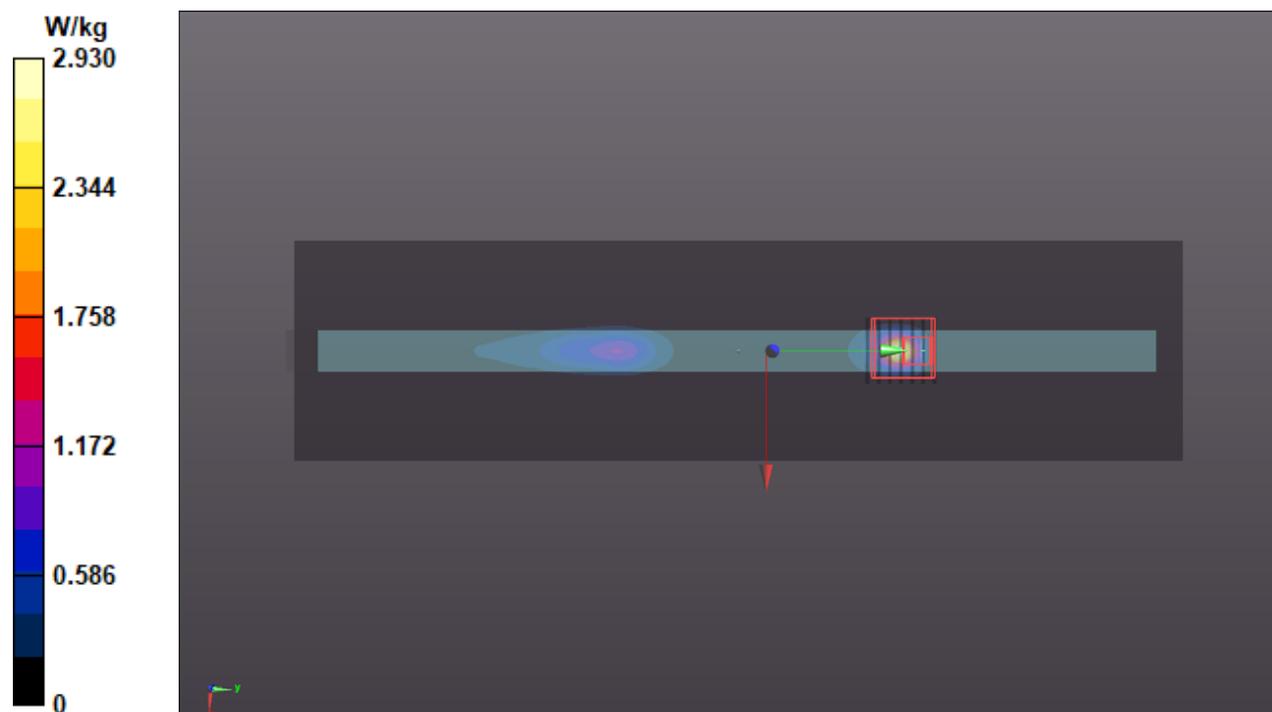
Communication System: UID 10554 - AAD, IEEE 802.11ac WiFi (160MHz, MCS0); Frequency: 5570 MHz; Duty Cycle: 1:1.02
Medium: H34T60N1_1029 Medium parameters used (interpolated): $f = 5570$ MHz; $\sigma = 4.826$ S/m; $\epsilon_r = 36.581$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7 °C; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3820; ConvF(4.38, 4.38, 4.38) @ 5570 MHz; Calibrated: 2021/07/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1341; Calibrated: 2021/08/20
- Phantom: ELI Phantom_1206; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x321x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.93 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 26.18 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 6.98 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.225 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 62%
Maximum value of SAR (measured) = 3.76 W/kg



P04 WLAN5.8G_802.11ac VHT80_Top Side_0mm_Ch155_Sample 1_Ant 1

DUT: BFLF-WTW-P21090940

Communication System: UID 10544 - AAC, IEEE 802.11ac WiFi (80MHz, MCS0); Frequency: 5775 MHz; Duty Cycle: 1:1.03

Medium: H34T60N1_1028 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.274$ S/m; $\epsilon_r = 36.25$; $\rho = 1000$ 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 Sn1341; Calibrated: 2021/08/20
- Phantom: ELI Phantom_1206; Type: QDOVA002AA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (81x321x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.742 W/kg

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

Reference Value = 11.33 V/m; Power Drift = 0.02 dB

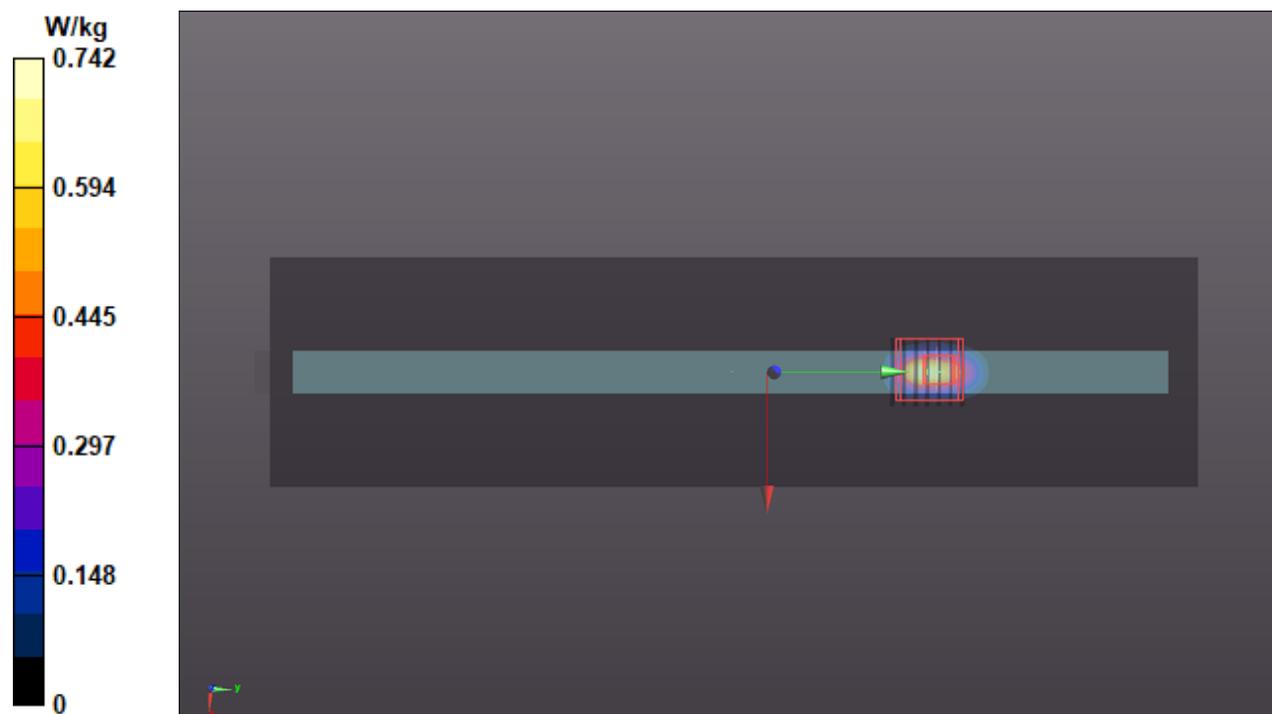
Peak SAR (extrapolated) = 6.43 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.188 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 4.1 mm

Ratio of SAR at M2 to SAR at M1 = 61.1%

Maximum value of SAR (measured) = 3.58 W/kg



P05 BT_EDR_Top Side_0mm_Ch39_Sample 1_Ant 1

DUT: BFLF-WTW-P21090940

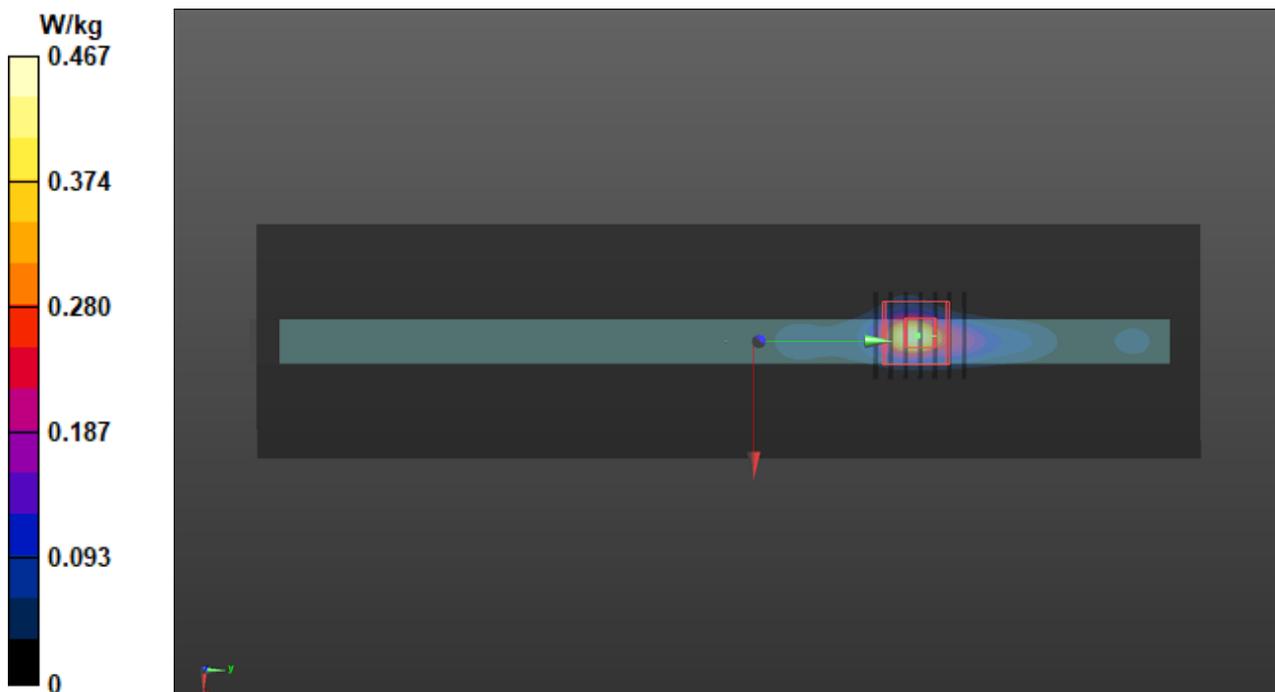
Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2441 MHz; Duty Cycle: 1:1.31
Medium: H19T27N1_1016 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.875$ S/m; $\epsilon_r = 38.366$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.77, 7.77, 7.77) @ 2441 MHz; Calibrated: 2021/03/26
- 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 (71x271x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.467 W/kg

Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.74 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.783 W/kg
SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.098 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 32.8%
Maximum value of SAR (measured) = 0.537 W/kg



P06 WLAN2.4G_802.11b_Top of Panel_25mm_Ch6_Sample 1_Ant 1

DUT: BFLF-WTW-P21090940

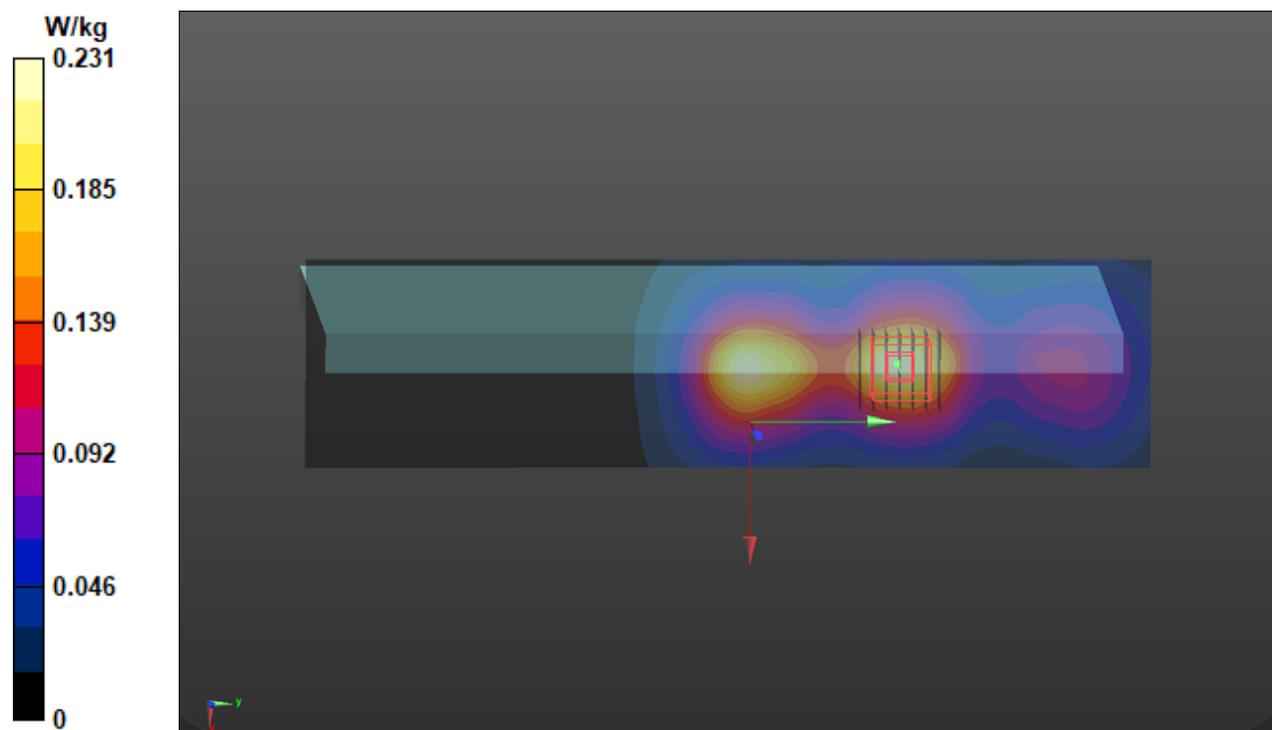
Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);
Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: H19T27N1_1005 Medium parameters used (interpolated): $f = 2437 \text{ MHz}$; $\sigma = 1.855 \text{ S/m}$;
 $\epsilon_r = 38.94$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(7.49, 7.49, 7.49) @ 2437 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- 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 (71x271x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$
Maximum value of SAR (interpolated) = 0.231 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 11.35 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.100 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 19.2 mm
Ratio of SAR at M2 to SAR at M1 = 50.4%
Maximum value of SAR (measured) = 0.238 W/kg



P07 WLAN5.3G_802.11n HT20_Top of Panel_25mm_Ch60_Sample 1_Ant 0+1**DUT: BFLF-WTW-P21090940**

Communication System: UID 10591 - AAC, IEEE 802.11n (HT Mixed, 20MHz, HT8);
Frequency: 5300 MHz; Duty Cycle: 1:1.02
Medium: H34T60N1_1005 Medium parameters used (interpolated): $f = 5300$ MHz; $\sigma = 4.784$ S/m;
 $\epsilon_r = 36.912$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(5.1, 5.1, 5.1) @ 5300 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- 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 (81x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.21 W/kg

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

Reference Value = 22.29 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.55 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.466 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 = 65.8%

Maximum value of SAR (measured) = 2.25 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 22.29 V/m; Power Drift = 0.01 dB

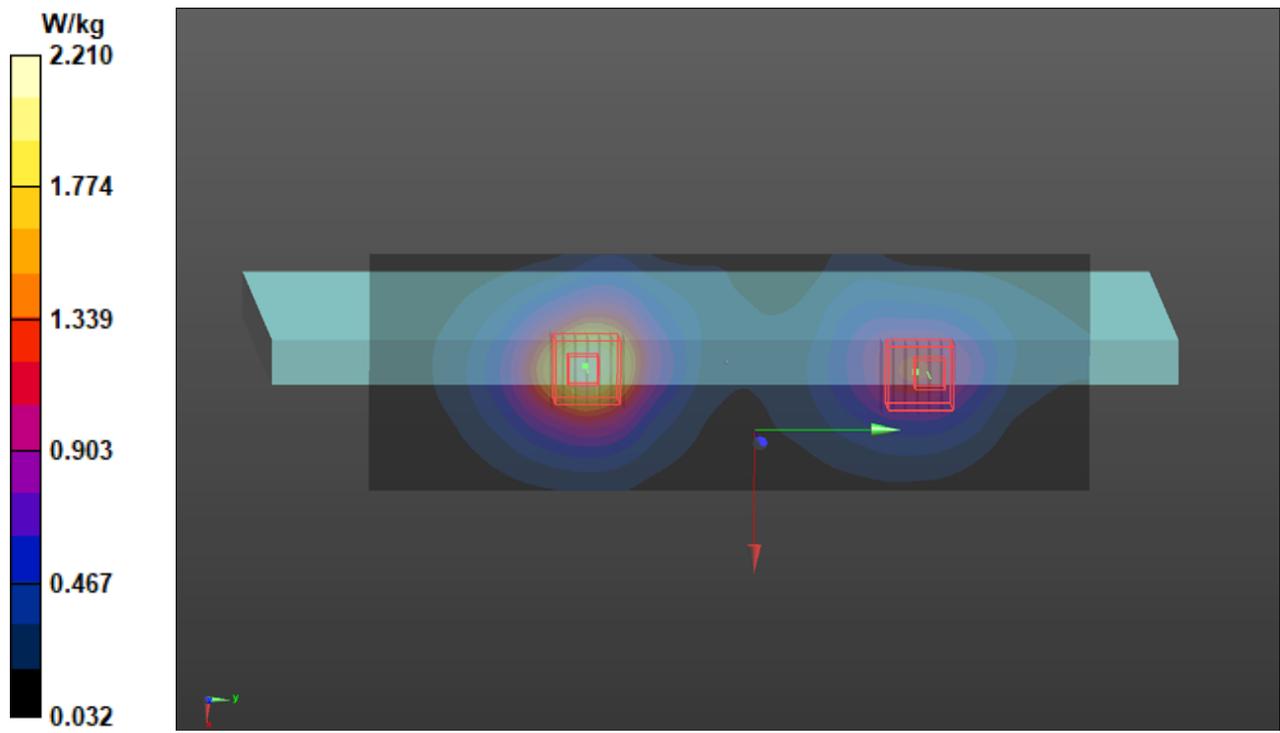
Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.558 W/kg; SAR(10 g) = 0.230 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 66.3%

Maximum value of SAR (measured) = 1.17 W/kg



P08 WLAN5.6G_802.11n HT40_Top of Panel_25mm_Ch110_Sample 1_Ant 0+1**DUT: BFLF-WTW-P21090940**

Communication System: UID 10599 - AAC, IEEE 802.11n (HT Mixed, 40MHz, HT8);
Frequency: 5550 MHz; Duty Cycle: 1:1.03
Medium: H34T60N1_1005 Medium parameters used: $f = 5550$ MHz; $\sigma = 5.038$ S/m; $\epsilon_r = 36.571$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

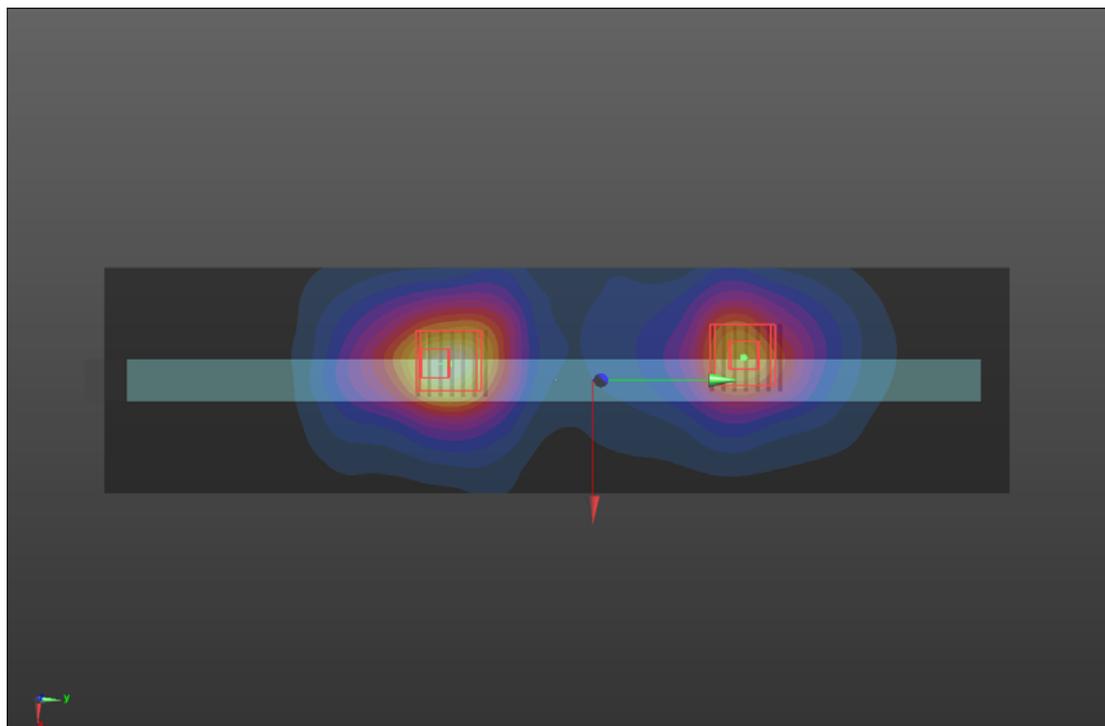
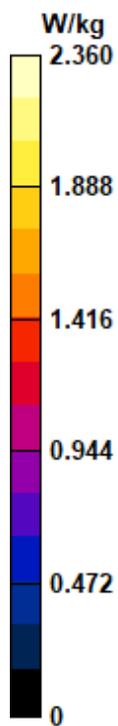
DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(4.6, 4.6, 4.6) @ 5550 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- 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 (81x321x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.36 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 23.05 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 4.14 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.481 W/kg (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below = 18.9 mm
Ratio of SAR at M2 to SAR at M1 = 63%
Maximum value of SAR (measured) = 2.43 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 23.05 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 3.29 W/kg
SAR(1 g) = 0.919 W/kg; SAR(10 g) = 0.398 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 = 62.8%
Maximum value of SAR (measured) = 2.01 W/kg



P09 WLAN5.8G_802.11n HT40_Top of Panel_25mm_Ch151_Sample 1_Ant 0+1**DUT: BFLF-WTW-P21090940**

Communication System: UID 10599 - AAC, IEEE 802.11n (HT Mixed, 40MHz, HT8); Frequency: 5755 MHz; Duty Cycle: 1:1.03

Medium: H34T60N1_1005 Medium parameters used (interpolated): $f = 5755$ MHz; $\sigma = 5.256$ S/m;

$\epsilon_r = 36.28$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(4.8, 4.8, 4.8) @ 5755 MHz; Calibrated: 2021/08/26

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20

- 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 (81x241x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.69 W/kg

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

Reference Value = 19.07 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.372 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 16.4 mm

Ratio of SAR at M2 to SAR at M1 = 61.6%

Maximum value of SAR (measured) = 1.96 W/kg

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.07 V/m; Power Drift = -0.01 dB

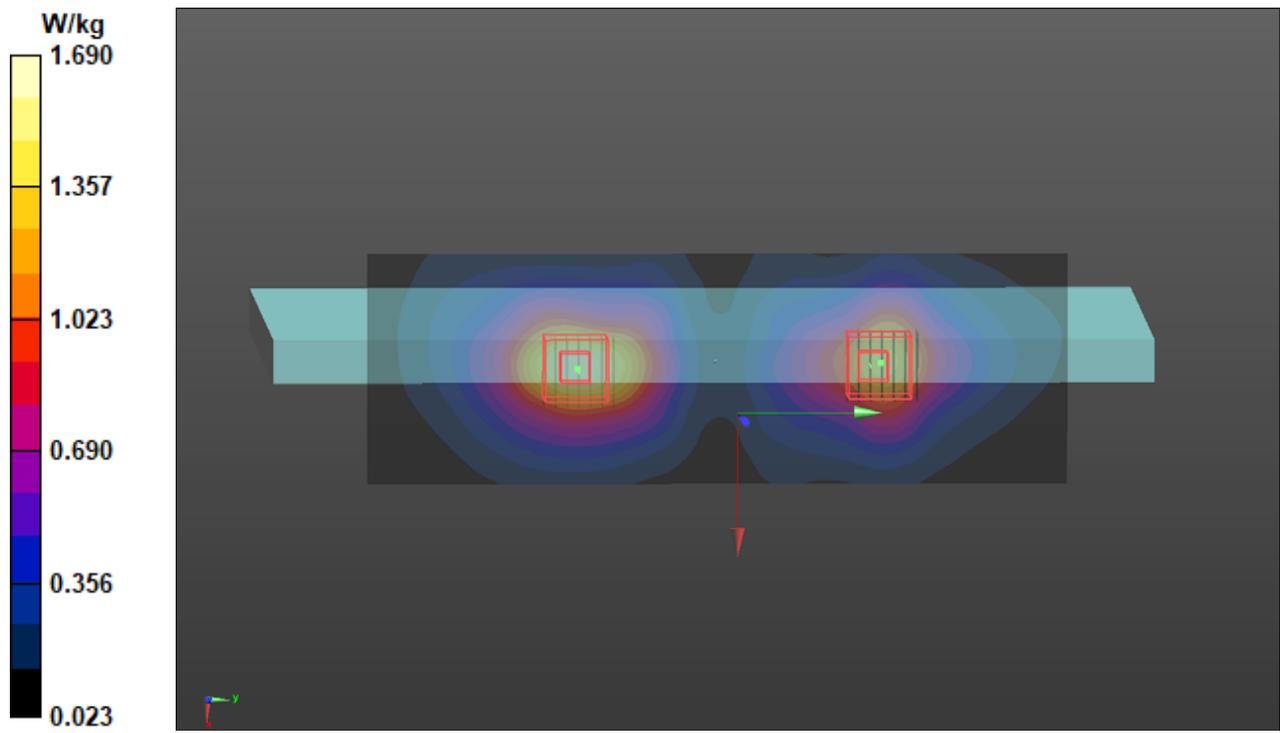
Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.301 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 = 63.9%

Maximum value of SAR (measured) = 1.50 W/kg



P10 BT_BDR_Top of Panel_25mm_Ch78_Ant1

DUT: BFLF-WTW-P21090940

Communication System: UID 10032 - CAA, IEEE 802.15.1 Bluetooth (GFSK, DH5); Frequency: 2480 MHz; Duty Cycle: 1:1.31

Medium: H19T27N1_1005 Medium parameters used: $f = 2480$ MHz; $\sigma = 1.901$ S/m; $\epsilon_r = 38.913$; $\rho = 1000$ kg/m³

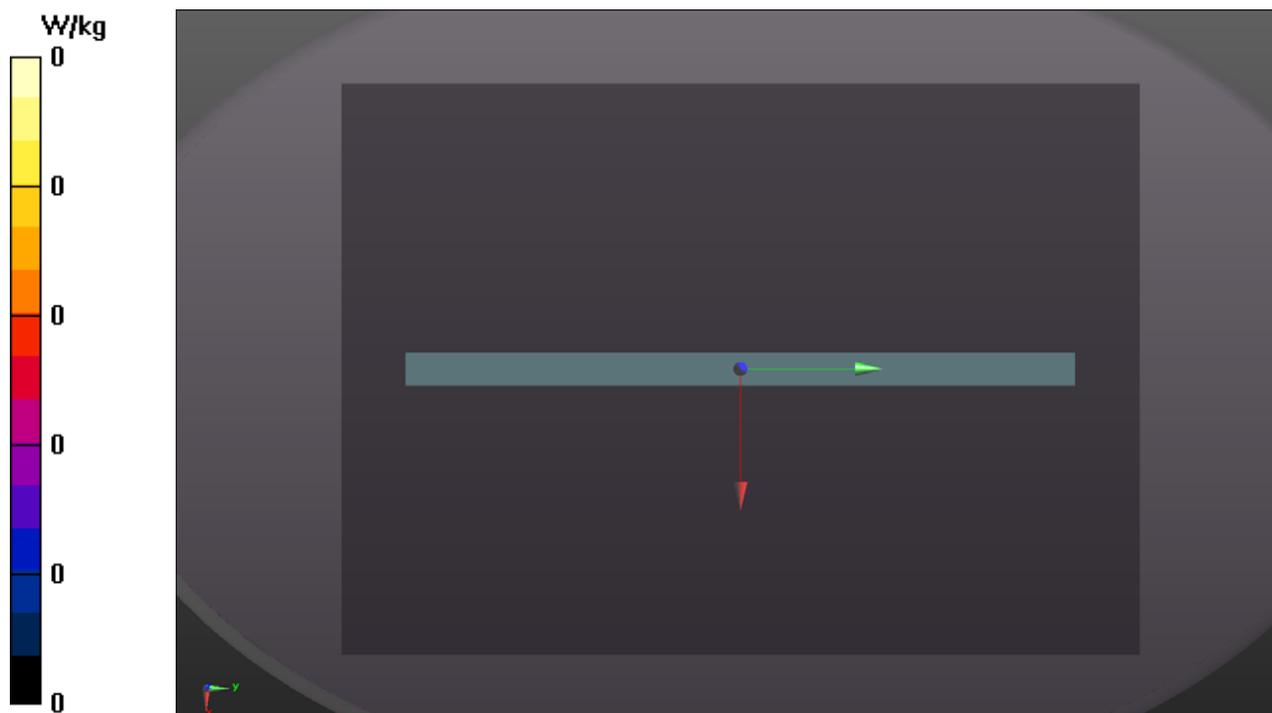
Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7554; ConvF(7.49, 7.49, 7.49) @ 2480 MHz; Calibrated: 2021/08/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1589; Calibrated: 2021/08/20
- Phantom: ELI Phantom_1204; Type: QDOVA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Area Scan (221x301x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0 W/kg



Measurement Report

P11 UNII-5_802.11ax HE160_Top Side_0mm_Ch79_Sample 1_Ant 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P21090940	300.0 x 200.0 x 10.0		Tablet

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Top Side 0.00	U-NII-5	WLAN, 10755-AAB	6350.0, 83	5.5	5.98	33.8

Hardware Setup

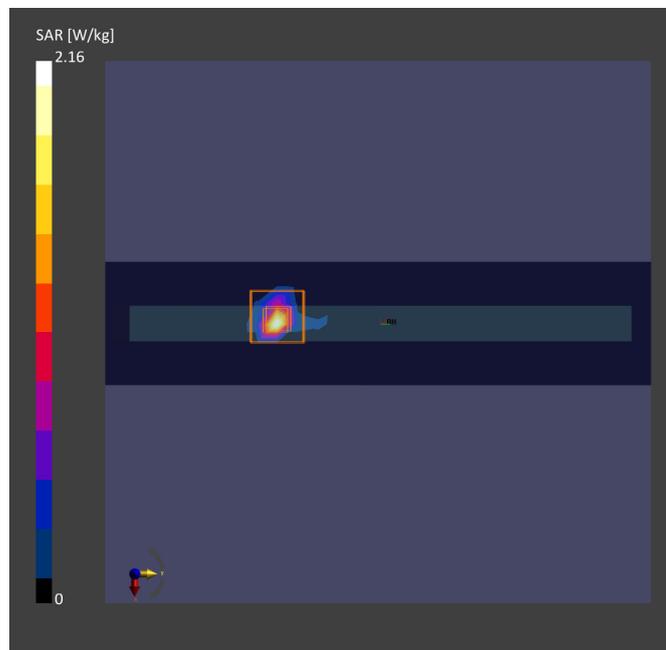
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H50T72N2_1102 , 2021-Nov-02	EX3DV4 - SN7537, 2021-04-26	DAE4 Sn1585, 2021-04-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 238.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-11-02	2021-11-02
psSAR1g [W/kg]	0.949	1.10
psSAR10g [W/kg]	0.181	0.214
psPDab (1.0cm2, sq) [W/m2]		13.8
psPDab (4.0cm2, sq) [W/m2]		5.34
Power Drift [dB]	0.06	0.03



Measurement Report

P12 UNII-5_802.11ax HE160_Top of Panel_25mm_Ch47_Sample 1_Ant 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P21090940	300.0 x 200.0 x 10.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Top of Panel 0.00	U-NII-5	WLAN, 10755-AAC	6170.0, 47	5.6	5.68	34.4

Hardware Setup

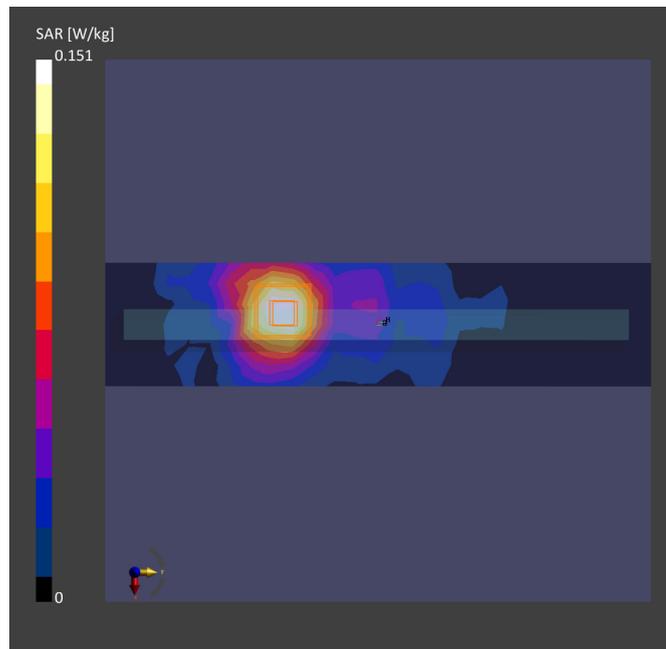
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H50T72N1 , 2021-Nov-02	EX3DV4 - SN7537, 2021-04-26	DAE4 Sn1585, 2021-04-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 238.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-24	2021-10-24
psSAR1g [W/kg]	0.127	0.138
psSAR10g [W/kg]	0.053	0.064
psPDab (1.0cm2, sq) [W/m2]		2.42
psPDab (4.0cm2, sq) [W/m2]		2.26
Power Drift [dB]	0.02	-0.08



Test Lab: Bureau Veritas ADT SAR/HAC/PD Testing Lab

Power Density Plot No.:

P11 UNII-5_802.11ax HE160_Top Side_0mm_Ch79_Sample 1_Ant 0

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P21090940	300.0 x 200.0 x 10.0		Tablet

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Top Side 2.00	U-NII-5	WLAN 10755	6345.0 79	1.0

Hardware Setup

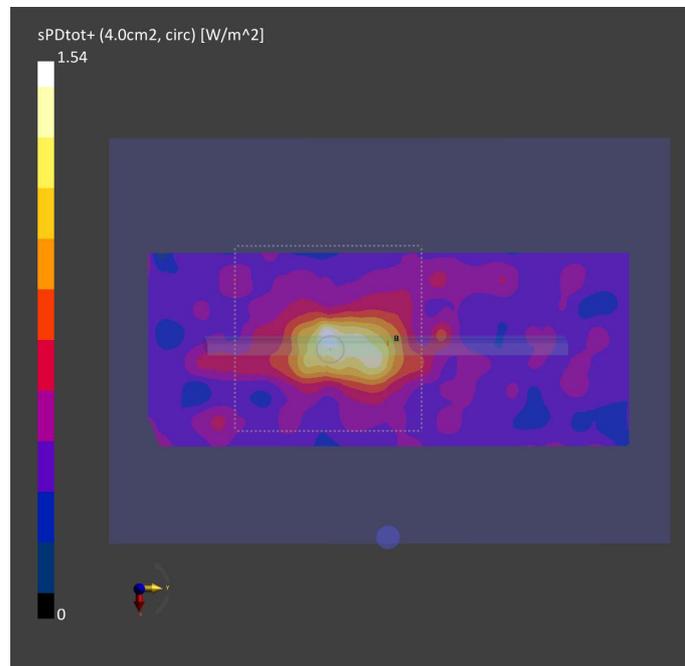
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV4 - SN9438_F1-55GHz, 2021-07-26	DAE4 Sn1589, 2021-08-20

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-11-03
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	1.54
pSnavg [W/m ²]	1.36
E _{peak} [V/m]	39.9
Power Drift [dB]	0.11



Test Lab: Bureau Veritas ADT SAR/HAC/PD Testing Lab

Power Density Plot No.:

P12 UNII-5_802.11ax HE160_Top of Panel_25mm_Ch47_Sample 1_Ant 0

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P21090940	300.0 x 200.0 x 10.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Top Side 25.00	U-NII-5	WLAN 10755	6185.0 47	1.0

Hardware Setup

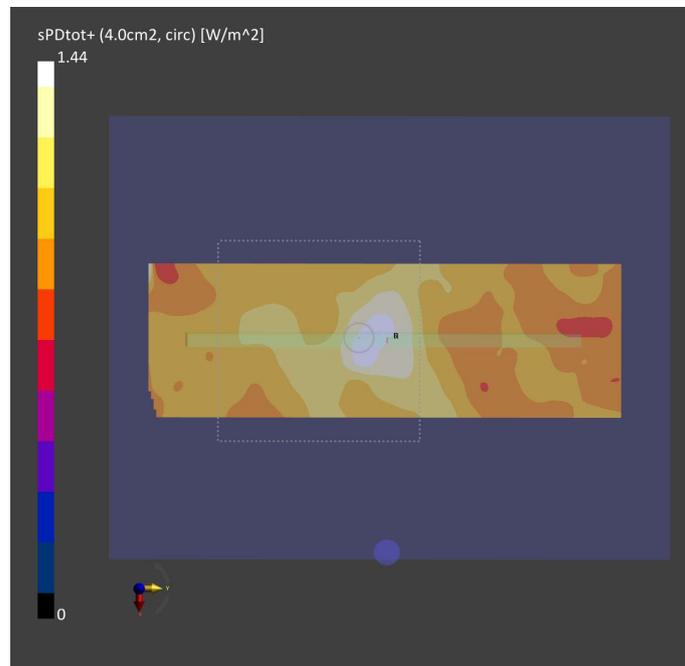
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV4 - SN9438_F1-55GHz, 2021-07-26	DAE4 Sn1589, 2021-08-20

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	25.0

Measurement Results

	5G Scan
Date	2021-11-02
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	1.44
pSnavg [W/m ²]	1.33
E _{peak} [V/m]	26.7
Power Drift [dB]	-0.11



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			Date	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		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	23.2	1.864	38.07	1.8	39.2	3.56	-2.88	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 29, 2021	2450	52.70	2.55	50.88	-3.46	835	3820	1341	17
S02	5250	23.2	4.515	37.007	4.71	35.9	-4.14	3.08	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 29, 2021	5250	80.60	4.01	80.01	-0.73	1019	3820	1341	17
S03	5600	23.2	4.853	36.535	5.07	35.5	-4.28	2.92	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 29, 2021	5600	82.40	4.53	90.39	9.69	1019	3820	1341	17
S04	5750	23.2	5.009	36.31	5.22	35.4	-4.04	2.57	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 29, 2021	5750	79.40	4.35	86.79	9.31	1019	3820	1341	17
S05	2450	23.1	1.885	38.34	1.8	39.2	4.72	-2.19	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 16, 2021	2450	52.70	2.46	49.08	-6.86	835	3650	861	17
S06	2450	23.2	1.87	38.896	1.8	39.2	3.89	-0.78	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 05, 2021	2450	52.70	2.69	53.67	1.85	835	7554	1589	17
S07	5250	23.2	4.726	36.971	4.71	35.9	0.34	2.98	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 05, 2021	5250	80.60	4.04	80.61	0.01	1019	7554	1589	17
S08	5600	23.2	5.09	36.503	5.07	35.5	0.39	2.83	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 05, 2021	5600	82.40	4.26	85.00	3.15	1019	7554	1589	17
S09	5750	23.2	5.249	36.283	5.22	35.4	0.56	2.49	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 05, 2021	5750	79.40	3.88	77.42	-2.50	1019	7554	1589	17
S10	2450	23.2	1.87	38.896	1.8	39.2	3.89	-0.78	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 05, 2021	2450	52.70	2.69	53.67	1.85	835	7554	1589	17
S11	6500	23.3	6.17	33.5	6.07	34.5	1.65	-2.90	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 02, 2021	6500	290.00	27.3	273.00	-5.86	1029	7537	1585	20
S12	6500	23.3	6.17	33.5	6.07	34.5	1.65	-2.90	Pass	Pass	Pass	OFDM	N/A	Pass	Nov. 02, 2021	6500	290.00	27.3	273.00	-5.86	1029	7537	1585	20

Plot No.	Test Date	Frequency [GHz]	mmWave Probe S/N	Verification Source S/N	Averaging Area [cm ²]	Distance [mm]	Target Power Density [W/m ²]	Measured Power Density [W/m ²]	Deviation [%]
S11	Nov. 03, 2021	10	9438	1025	4	10.0	42.7	42.1	-1.41%
S12	Nov. 02, 2021	10	9438	1025	4	10.0	42.7	42.3	-0.94%

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 (Full)_Tablet							
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	15.500	14.500			
	6	2437	15.500	14.500			
	11	2462	15.500	14.500			
	12	2467	15.500	14.500			
	13	2472	15.500	14.500			
802.11g	1	2412	15.500	14.500			
	6	2437	15.500	14.500			
	11	2462	15.500	14.500			
	12	2467	15.500	14.500			
	13	2472	11.750	12.000			
802.11n HT20	1	2412	15.500	14.500	13.500	13.500	16.500
	6	2437	15.500	14.500	13.500	13.500	16.500
	11	2462	15.500	14.500	13.500	13.500	16.500
	12	2467	15.000	14.500	11.250	11.250	14.250
	13	2472	11.750	12.000	8.500	8.500	11.500
802.11n HT40	3	2422	15.500	14.500	13.500	13.500	16.500
	6	2437	15.500	14.500	13.500	13.500	16.500
	9	2452	15.500	14.500	13.500	13.500	16.500
	10	2457	12.250	12.500	11.250	11.250	14.250
	11	2462	9.750	10.750	8.250	8.250	11.250
802.11ax HE20	1	2412	15.500	14.500	13.500	13.500	16.500
	6	2437	15.500	14.500	13.500	13.500	16.500
	11	2462	15.500	14.500	13.500	13.500	16.500
	12	2467	15.000	14.500	11.250	11.250	14.250
	13	2472	11.750	12.000	8.500	8.500	11.500
802.11ax HE40	3	2422	15.500	14.500	13.500	13.500	16.500
	6	2437	15.500	14.500	13.500	13.500	16.500
	9	2452	15.500	14.500	13.500	13.500	16.500
	10	2457	12.250	12.500	11.000	11.000	14.000
	11	2462	9.750	10.750	8.000	8.000	11.000

WLAN Tune-up Power (Full)_Tablet			
Bluetooth			
Mode	Channel	Frequency	Ant 1 Max Tune-up
BR / EDR	0	2402	11.000
	39	2441	11.000
	78	2480	11.000
LE	0	2402	7.000
	19	2440	7.000
	39	2480	7.000

WLAN Tune-up Power (Full)_Tablet							
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	8.000	10.000			
	40	5200	8.000	10.000			
	44	5220	8.000	10.000			
	48	5240	8.000	10.000			
802.11n HT20	36	5180	8.000	10.000	8.000	8.000	11.000
	40	5200	8.000	10.000	8.000	8.000	11.000
	44	5220	8.000	10.000	8.000	8.000	11.000
	48	5240	8.000	10.000	8.000	8.000	11.000
802.11n HT40	38	5190	8.000	10.000	8.000	8.000	11.000
	46	5230	8.000	10.000	8.000	8.000	11.000
802.11ac VHT80	42	5210	8.000	10.000	8.000	8.000	11.000
802.11ax HE20	36	5180	8.000	10.000	8.000	8.000	11.000
	40	5200	8.000	10.000	8.000	8.000	11.000
	44	5220	8.000	10.000	8.000	8.000	11.000
	48	5240	8.000	10.000	8.000	8.000	11.000
802.11ax HE40	38	5190	8.000	10.000	8.000	8.000	11.000
	46	5230	8.000	10.000	8.000	8.000	11.000
802.11ax HE80	42	5210	8.000	10.000	8.000	8.000	11.000

WLAN Tune-up Power (Full)_Tablet							
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	8.000	10.000			
	56	5280	8.000	10.000			
	60	5300	8.000	10.000			
	64	5320	8.000	10.000			
802.11n HT20	52	5260	8.000	10.000	8.000	8.000	11.000
	56	5280	8.000	10.000	8.000	8.000	11.000
	60	5300	8.000	10.000	8.000	8.000	11.000
	64	5320	8.000	10.000	8.000	8.000	11.000
802.11n HT40	54	5270	8.000	10.000	8.000	8.000	11.000
	62	5310	8.000	10.000	8.000	8.000	11.000
802.11ac VHT80	58	5290	8.000	10.000	8.000	8.000	11.000
802.11ac VHT160	50	5250	8.000	10.000	8.000	8.000	11.000
802.11ax HE20	52	5260	8.000	10.000	8.000	8.000	11.000
	56	5280	8.000	10.000	8.000	8.000	11.000
	60	5300	8.000	10.000	8.000	8.000	11.000
	64	5320	8.000	10.000	8.000	8.000	11.000
802.11ax HE40	54	5270	8.000	10.000	8.000	8.000	11.000
	62	5310	8.000	10.000	8.000	8.000	11.000
802.11ax HE80	58	5290	8.000	10.000	8.000	8.000	11.000
802.11ax HE160	50	5250	8.000	10.000	8.000	8.000	11.000

WLAN Tune-up Power (Full)_Tablet							
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	8.500	8.000			
	116	5580	8.500	8.000			
	120	5600	8.500	8.000			
	124	5620	8.500	8.000			
	132	5660	8.500	8.000			
	140	5700	8.500	8.000			
802.11n HT20	100	5500	8.500	8.000	8.000	8.000	11.000
	116	5580	8.500	8.000	8.000	8.000	11.000
	120	5600	8.500	8.000	8.000	8.000	11.000
	124	5620	8.500	8.000	8.000	8.000	11.000
	132	5660	8.500	8.000	8.000	8.000	11.000
	140	5700	8.500	8.000	8.000	8.000	11.000
802.11n HT40	144	5720	8.500	8.000	8.000	8.000	11.000
	102	5510	8.500	8.000	8.000	8.000	11.000
	110	5550	8.500	8.000	8.000	8.000	11.000
	118	5590	8.500	8.000	8.000	8.000	11.000
	126	5630	8.500	8.000	8.000	8.000	11.000
	134	5670	8.500	8.000	8.000	8.000	11.000
802.11ac VHT80	142	5710	8.500	8.000	8.000	8.000	11.000
	106	5530	8.500	8.000	8.000	8.000	11.000
	122	5610	8.500	8.000	8.000	8.000	11.000
802.11ac VHT160	138	5690	8.500	8.000	8.000	8.000	11.000
802.11ax HE20	114	5570	8.500	8.000	8.000	8.000	11.000
	100	5500	8.500	8.000	8.000	8.000	11.000
	116	5580	8.500	8.000	8.000	8.000	11.000
	120	5600	8.500	8.000	8.000	8.000	11.000
	124	5620	8.500	8.000	8.000	8.000	11.000
	132	5660	8.500	8.000	8.000	8.000	11.000
	140	5700	8.500	8.000	8.000	8.000	11.000
802.11ax HE40	144	5720	8.500	8.000	8.000	8.000	11.000
	102	5510	8.500	8.000	8.000	8.000	11.000
	110	5550	8.500	8.000	8.000	8.000	11.000
	118	5590	8.500	8.000	8.000	8.000	11.000
	126	5630	8.500	8.000	8.000	8.000	11.000
	134	5670	8.500	8.000	8.000	8.000	11.000
802.11ax HE80	142	5710	8.500	8.000	8.000	8.000	11.000
	106	5530	8.500	8.000	8.000	8.000	11.000
	122	5610	8.500	8.000	8.000	8.000	11.000
802.11ax HE160	138	5690	8.500	8.000	8.000	8.000	11.000
	114	5570	8.500	8.000	8.000	8.000	11.000

WLAN Tune-up Power (Full)_Tablet							
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	8.000	8.000			
	153	5765	8.000	8.000			
	157	5785	8.000	8.000			
	161	5805	8.000	8.000			
	165	5825	8.000	8.000			
802.11n HT20	149	5745	8.000	8.000	8.500	8.500	11.500
	153	5765	8.000	8.000	8.500	8.500	11.500
	157	5785	8.000	8.000	8.500	8.500	11.500
	161	5805	8.000	8.000	8.500	8.500	11.500
	165	5825	8.000	8.000	8.500	8.500	11.500
802.11n HT40	151	5755	8.000	8.000	8.500	8.500	11.500
	159	5795	8.000	8.000	8.500	8.500	11.500
802.11ac VHT80	155	5775	8.000	8.000	8.500	8.500	11.500
802.11ax HE20	149	5745	8.000	8.000	8.500	8.500	11.500
	153	5765	8.000	8.000	8.500	8.500	11.500
	157	5785	8.000	8.000	8.500	8.500	11.500
	161	5805	8.000	8.000	8.500	8.500	11.500
	165	5825	8.000	8.000	8.500	8.500	11.500
802.11ax HE40	151	5755	8.000	8.000	8.500	8.500	11.500
	159	5795	8.000	8.000	8.500	8.500	11.500
802.11ax HE80	155	5775	8.000	8.000	8.500	8.500	11.500

WLAN Tune-up Power (Full)_Tablet							
UNII-5							
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
802.11ax HE20	1	5945	5.0	5.0	2.0	2.0	5.0
	5	5965	5.0	5.0	2.0	2.0	5.0
	9	5985	5.0	5.0	2.0	2.0	5.0
	13	6005	5.0	5.0	2.0	2.0	5.0
	17	6025	5.0	5.0	2.0	2.0	5.0
	21	6045	5.0	5.0	2.0	2.0	5.0
	25	6065	5.0	5.0	2.0	2.0	5.0
	29	6085	5.0	5.0	2.0	2.0	5.0
	33	6105	5.0	5.0	2.0	2.0	5.0
	37	6125	5.0	5.0	2.0	2.0	5.0
	41	6145	5.0	5.0	2.0	2.0	5.0
	45	6165	5.0	5.0	2.0	2.0	5.0
	49	6185	5.0	5.0	2.0	2.0	5.0
	53	6205	5.0	5.0	2.0	2.0	5.0
	57	6225	5.0	5.0	2.0	2.0	5.0
	61	6245	5.0	5.0	2.0	2.0	5.0
	65	6265	5.0	5.0	2.0	2.0	5.0
	69	6285	5.0	5.0	2.0	2.0	5.0
	73	6305	5.0	5.0	2.0	2.0	5.0
	77	6325	5.0	5.0	2.0	2.0	5.0
81	6345	5.0	5.0	2.0	2.0	5.0	
85	6365	5.0	5.0	2.0	2.0	5.0	
89	6385	5.0	5.0	2.0	2.0	5.0	
93	6405	5.0	5.0	2.0	2.0	5.0	
802.11ax HE40	3	5955	8.0	8.0	5.25	5.25	8.25
	11	5995	8.0	8.0	5.25	5.25	8.25
	19	6035	8.0	8.0	5.25	5.25	8.25
	27	6075	8.0	8.0	5.25	5.25	8.25
	35	6115	8.0	8.0	5.25	5.25	8.25
	43	6155	8.0	8.0	5.25	5.25	8.25
	51	6195	8.0	8.0	5.25	5.25	8.25
	59	6235	8.0	8.0	5.25	5.25	8.25
	67	6275	8.0	8.0	5.25	5.25	8.25
	75	6315	8.0	8.0	5.25	5.25	8.25
	83	6355	8.0	8.0	5.25	5.25	8.25
91	6395	8.0	8.0	5.25	5.25	8.25	
802.11ax HE80	7	5975	8.0	8.0	7.5	7.5	10.5
	23	6055	8.0	8.0	7.5	7.5	10.5
	39	6135	8.0	8.0	7.5	7.5	10.5
	55	6215	8.0	8.0	7.5	7.5	10.5
	71	6295	8.0	8.0	7.5	7.5	10.5
802.11ax HE160	87	6375	8.0	8.0	7.5	7.5	10.5
	15	6025	8.0	8.0	7.5	7.5	10.5
	47	6185	8.0	8.0	7.5	7.5	10.5
	79	6345	8.0	8.0	7.5	7.5	10.5

WLAN Tune-up Power (Full)_Tablet							
UNII-6							
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
802.11ax HE20	97	6425	5.0	5.0	2.0	2.0	5.0
	101	6445	5.0	5.0	2.0	2.0	5.0
	105	6465	5.0	5.0	2.0	2.0	5.0
	109	6485	5.0	5.0	2.0	2.0	5.0
	113	6505	5.0	5.0	2.0	2.0	5.0
	117	6525	5.0	5.0	2.0	2.0	5.0
802.11ax HE40	99	6435	8.0	8.0	5.25	5.25	8.25
	107	6475	8.0	8.0	5.25	5.25	8.25
	115	6515	8.0	8.0	5.25	5.25	8.25
802.11ax HE80	103	6455	8.0	8.0	7.5	7.5	10.5
	119	6535	8.0	8.0	7.5	7.5	10.5
802.11ax HE160	111	6505	8.0	8.0	7.5	7.5	10.5

WLAN Tune-up Power (Full)_Tablet							
UNII-7							
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
802.11ax HE20	121	6545	4.25	4.25	1.25	1.25	4.25
	125	6565	4.25	4.25	1.25	1.25	4.25
	129	6585	4.25	4.25	1.25	1.25	4.25
	133	6605	4.25	4.25	1.25	1.25	4.25
	137	6625	4.25	4.25	1.25	1.25	4.25
	141	6645	4.25	4.25	1.25	1.25	4.25
	145	6665	4.25	4.25	1.25	1.25	4.25
	149	6685	4.25	4.25	1.25	1.25	4.25
	153	6705	4.25	4.25	1.25	1.25	4.25
	157	6725	4.25	4.25	1.25	1.25	4.25
	161	6745	4.25	4.25	1.25	1.25	4.25
	165	6765	4.25	4.25	1.25	1.25	4.25
	169	6785	4.25	4.25	1.25	1.25	4.25
	173	6805	4.25	4.25	1.25	1.25	4.25
	177	6825	4.25	4.25	1.25	1.25	4.25
	181	6845	4.25	4.25	1.25	1.25	4.25
185	6865	4.25	4.25	1.25	1.25	4.25	
802.11ax HE40	123	6555	7.50	7.50	4.50	4.50	7.50
	131	6595	7.50	7.50	4.50	4.50	7.50
	139	6635	7.50	7.50	4.50	4.50	7.50
	147	6675	7.50	7.50	4.50	4.50	7.50
	155	6715	7.50	7.50	4.50	4.50	7.50
	163	6755	7.50	7.50	4.50	4.50	7.50
	171	6795	7.50	7.50	4.50	4.50	7.50
	179	6835	7.50	7.50	4.50	4.50	7.50
187	6875	7.50	7.50	4.50	4.50	7.50	
802.11ax HE80	135	6615	8.00	8.00	7.50	7.50	10.50
	151	6695	8.00	8.00	7.50	7.50	10.50
	167	6775	8.00	8.00	7.50	7.50	10.50
	183	6855	8.00	8.00	7.50	7.50	10.50
802.11ax HE160	143	6665	8.00	8.00	7.50	7.50	10.50
	175	6825	8.00	8.00	7.50	7.50	10.50

WLAN Tune-up Power (Full)_Tablet							
UNII-8							
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
802.11ax HE20	189	6885	4.25	4.25	1.25	1.25	4.25
	193	6905	4.25	4.25	1.25	1.25	4.25
	197	6925	4.25	4.25	1.25	1.25	4.25
	201	6945	4.25	4.25	1.25	1.25	4.25
	205	6965	4.25	4.25	1.25	1.25	4.25
	209	6985	4.25	4.25	1.25	1.25	4.25
	213	7005	4.25	4.25	1.25	1.25	4.25
	217	7025	4.25	4.25	1.25	1.25	4.25
	221	7045	4.25	4.25	1.25	1.25	4.25
	225	7065	4.25	4.25	1.25	1.25	4.25
	229	7085	4.25	4.25	1.25	1.25	4.25
	233	7105	-1.00	-1.00	-4.00	-4.00	-1.00
802.11ax HE40	195	6915	7.50	7.50	4.50	4.50	7.50
	203	6955	7.50	7.50	4.50	4.50	7.50
	211	6995	7.50	7.50	4.50	4.50	7.50
	219	7035	7.50	7.50	4.50	4.50	7.50
	227	7075	7.50	7.50	4.50	4.50	7.50
802.11ax HE80	199	6935	8.00	8.00	7.50	7.50	10.50
	215	7015	8.00	8.00	7.50	7.50	10.50
802.11ax HE160	207	6985	8.00	8.00	7.50	7.50	10.50

WLAN Tune-up Power (Full)_Laptop							
WLAN2.4GHz							
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	15.50	15.50			
	6	2437	15.50	15.50			
	11	2462	15.50	15.50			
	12	2467	15.50	15.50			
	13	2472	15.50	15.50			
802.11g	1	2412	15.00	15.00			
	6	2437	15.00	15.00			
	11	2462	15.00	15.00			
	12	2467	15.00	14.75			
	13	2472	11.75	12.00			
802.11n HT20	1	2412	15.00	15.00	15.50	15.50	18.50
	6	2437	15.00	15.00	15.50	15.50	18.50
	11	2462	15.00	15.00	15.50	15.50	18.50
	12	2467	15.00	14.75	8.25	8.25	11.25
	13	2472	11.75	12.00	5.50	5.50	8.50
802.11n HT40	3	2422	15.00	15.00	15.00	15.00	18.00
	6	2437	15.00	15.00	15.00	15.00	18.00
	9	2452	15.00	15.00	15.00	15.00	18.00
	10	2457	12.25	12.50	8.25	8.25	11.25
	11	2462	9.75	10.75	5.25	5.25	8.25
802.11ax HE20	1	2412	15.00	15.00	14.50	14.50	17.50
	6	2437	15.00	15.00	15.00	15.00	18.00
	11	2462	15.00	15.00	11.50	11.50	14.50
	12	2467	15.00	14.75	8.25	8.25	11.25
	13	2472	11.75	12.00	5.50	5.50	8.50
802.11ax HE40	3	2422	15.00	15.00	13.50	13.50	16.50
	6	2437	15.00	15.00	13.25	13.25	16.25
	9	2452	15.00	15.00	12.75	12.75	15.75
	10	2457	12.25	12.50	8.25	8.25	11.25
	11	2462	9.75	10.75	5.25	5.25	8.25

WLAN Tune-up Power (Full)_Laptop				
Bluetooth				
Mode	Channel	Frequency	Ant 0 Max Tune-up	Ant 1 Max Tune-up
BR / EDR	0	2402		11
	39	2441		11
	78	2480		11
LE	0	2402		7
	19	2440		7
	39	2480		7

WLAN Tune-up Power (Full)_Laptop							
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	13.50	13.50			
	40	5200	13.50	13.50			
	44	5220	13.50	13.50			
	48	5240	13.50	13.50			
802.11n HT20	36	5180	13.50	13.50	13.50	13.50	16.50
	40	5200	13.50	13.50	13.50	13.50	16.50
	44	5220	13.50	13.50	13.50	13.50	16.50
	48	5240	13.50	13.50	13.50	13.50	16.50
802.11n HT40	38	5190	13.50	13.50	13.50	13.50	16.50
	46	5230	13.50	13.50	13.50	13.50	16.50
802.11ac VHT80	42	5210	13.50	13.50	13.50	13.50	16.50
802.11ax HE20	36	5180	13.50	13.50	13.50	13.50	16.50
	40	5200	13.50	13.50	13.50	13.50	16.50
	44	5220	13.50	13.50	13.50	13.50	16.50
	48	5240	13.50	13.50	13.50	13.50	16.50
802.11ax HE40	38	5190	13.50	13.50	13.50	13.50	16.50
	46	5230	13.50	13.50	13.50	13.50	16.50
802.11ax HE80	42	5210	13.50	13.50	13.50	13.50	16.50

WLAN Tune-up Power (Full)_Laptop							
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	14.00	13.50			
	56	5280	14.00	13.50			
	60	5300	14.00	13.50			
	64	5320	14.00	13.50			
802.11n HT20	52	5260	13.50	13.50	14.00	14.00	17.00
	56	5280	13.50	13.50	14.00	14.00	17.00
	60	5300	13.50	13.50	14.00	14.00	17.00
	64	5320	13.50	13.50	14.00	14.00	17.00
802.11n HT40	54	5270	13.50	13.50	13.50	13.50	16.50
	62	5310	13.50	13.50	13.50	13.50	16.50
802.11ac VHT80	58	5290	13.50	13.50	13.50	13.50	16.50
802.11ac VHT160	50	5250	13.50	13.50	13.50	13.50	16.50
802.11ax HE20	52	5260	13.50	13.50	13.50	13.50	16.50
	56	5280	13.50	13.50	13.50	13.50	16.50
	60	5300	13.50	13.50	13.50	13.50	16.50
	64	5320	13.50	13.50	13.50	13.50	16.50
802.11ax HE40	54	5270	13.50	14.00	13.50	13.50	16.50
	62	5310	13.50	14.00	13.50	13.50	16.50
802.11ax HE80	58	5290	13.50	13.50	13.50	13.50	16.50
802.11ax HE160	50	5250	13.50	13.50	13.50	13.50	16.50

WLAN Tune-up Power (Full)_Laptop							
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	13.50	13.50			
	116	5580	13.50	13.50			
	120	5600	13.50	13.50			
	124	5620	13.50	13.50			
	132	5660	13.50	13.50			
	140	5700	13.50	13.50			
802.11n HT20	100	5500	13.50	13.50	13.50	13.50	16.50
	116	5580	13.50	13.50	13.50	13.50	16.50
	120	5600	13.50	13.50	13.50	13.50	16.50
	124	5620	13.50	13.50	13.50	13.50	16.50
	132	5660	13.50	13.50	13.50	13.50	16.50
	140	5700	13.50	13.50	13.50	13.50	16.50
802.11n HT40	102	5510	13.50	13.50	14.00	14.00	17.00
	110	5550	13.50	13.50	14.00	14.00	17.00
	118	5590	13.50	13.50	14.00	14.00	17.00
	126	5630	13.50	13.50	14.00	14.00	17.00
	134	5670	13.50	13.50	14.00	14.00	17.00
	142	5710	13.50	13.50	14.00	14.00	17.00
802.11ac VHT80	106	5530	14.00	14.00	13.50	13.50	16.50
	122	5610	14.00	14.00	13.50	13.50	16.50
	138	5690	14.00	14.00	13.50	13.50	16.50
802.11ac VHT160	114	5570	13.50	13.50	13.50	13.50	16.50
802.11ax HE20	100	5500	13.50	13.50	13.50	13.50	16.50
	116	5580	13.50	13.50	13.50	13.50	16.50
	120	5600	13.50	13.50	13.50	13.50	16.50
	124	5620	13.50	13.50	13.50	13.50	16.50
	132	5660	13.50	13.50	13.50	13.50	16.50
	140	5700	13.50	13.50	13.50	13.50	16.50
802.11ax HE40	102	5510	13.50	13.50	13.50	13.50	16.50
	110	5550	13.50	13.50	13.50	13.50	16.50
	118	5590	13.50	13.50	13.50	13.50	16.50
	126	5630	13.50	13.50	13.50	13.50	16.50
	134	5670	13.50	13.50	13.50	13.50	16.50
	142	5710	13.50	13.50	13.50	13.50	16.50
802.11ax HE80	106	5530	13.50	13.50	13.50	13.50	16.50
	122	5610	13.50	13.50	13.50	13.50	16.50
	138	5690	13.50	13.50	13.50	13.50	16.50
802.11ax HE160	114	5570	13.50	13.50	13.50	13.50	16.50

WLAN Tune-up Power (Full)_Laptop							
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	13.50	13.50			
	153	5765	13.50	13.50			
	157	5785	13.50	13.50			
	161	5805	13.50	13.50			
	165	5825	13.50	13.50			
802.11n HT20	149	5745	13.50	13.50	13.50	13.50	16.50
	153	5765	13.50	13.50	13.50	13.50	16.50
	157	5785	13.50	13.50	13.50	13.50	16.50
	161	5805	13.50	13.50	13.50	13.50	16.50
	165	5825	13.50	13.50	13.50	13.50	16.50
802.11n HT40	151	5755	13.50	14.00	14.00	14.00	17.00
	159	5795	13.50	14.00	14.00	14.00	17.00
802.11ac VHT80	155	5775	13.50	13.50	13.50	13.50	16.50
802.11ax HE20	149	5745	13.50	13.50	13.50	13.50	16.50
	153	5765	13.50	13.50	13.50	13.50	16.50
	157	5785	13.50	13.50	13.50	13.50	16.50
	161	5805	13.50	13.50	13.50	13.50	16.50
	165	5825	13.50	13.50	13.50	13.50	16.50
802.11ax HE40	151	5755	13.50	13.50	13.50	13.50	16.50
	159	5795	13.50	13.50	13.50	13.50	16.50
802.11ax HE80	155	5775	13.50	13.50	13.50	13.50	16.50

WLAN Tune-up Power (Full)_Laptop							
UNII-5							
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
802.11ax HE20	1	5955	5.0	5.0	5.0	5.0	8.0
	5	5975	5.0	5.0	5.0	5.0	8.0
	9	5995	5.0	5.0	5.0	5.0	8.0
	13	6015	5.0	5.0	5.0	5.0	8.0
	17	6035	5.0	5.0	5.0	5.0	8.0
	21	6055	5.0	5.0	5.0	5.0	8.0
	25	6075	5.0	5.0	5.0	5.0	8.0
	29	6095	5.0	5.0	5.0	5.0	8.0
	33	6115	5.0	5.0	5.0	5.0	8.0
	37	6135	5.0	5.0	5.0	5.0	8.0
	41	6155	5.0	5.0	5.0	5.0	8.0
	45	6175	5.0	5.0	5.0	5.0	8.0
	49	6195	5.0	5.0	5.0	5.0	8.0
	53	6215	5.0	5.0	5.0	5.0	8.0
	57	6235	5.0	5.0	5.0	5.0	8.0
	61	6255	5.0	5.0	5.0	5.0	8.0
	65	6275	5.0	5.0	5.0	5.0	8.0
	69	6295	5.0	5.0	5.0	5.0	8.0
	73	6315	5.0	5.0	5.0	5.0	8.0
	77	6335	5.0	5.0	5.0	5.0	8.0
81	6355	5.0	5.0	5.0	5.0	8.0	
85	6375	5.0	5.0	5.0	5.0	8.0	
89	6395	5.0	5.0	5.0	5.0	8.0	
93	6415	5.0	5.0	5.0	5.0	8.0	
802.11ax HE40	3	5965	8.25	8.25	5.25	5.25	8.25
	11	6005	8.25	8.25	5.25	5.25	8.25
	19	6045	8.25	8.25	5.25	5.25	8.25
	27	6085	8.25	8.25	5.25	5.25	8.25
	35	6125	8.25	8.25	5.25	5.25	8.25
	43	6165	8.25	8.25	5.25	5.25	8.25
	51	6205	8.25	8.25	5.25	5.25	8.25
	59	6245	8.25	8.25	5.25	5.25	8.25
	67	6285	8.25	8.25	5.25	5.25	8.25
	75	6325	8.25	8.25	5.25	5.25	8.25
	83	6365	8.25	8.25	5.25	5.25	8.25
	91	6405	8.25	8.25	5.25	5.25	8.25
802.11ax HE80	7	5985	10.75	10.75	7.75	7.75	10.75
	23	6065	10.75	10.75	7.75	7.75	10.75
	39	6145	10.75	10.75	7.75	7.75	10.75
	55	6225	10.75	10.75	7.75	7.75	10.75
	71	6305	10.75	10.75	7.75	7.75	10.75
	87	6385	10.75	10.75	7.75	7.75	10.75
802.11ax HE160	15	6025	13.50	13.50	10.50	10.50	13.50
	47	6185	13.50	13.50	10.50	10.50	13.50
	79	6345	13.50	13.50	10.50	10.50	13.50

WLAN Tune-up Power (Full)_Laptop							
UNII-6							
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
802.11ax HE20	97	6435	5.0	5.0	2.00	2.00	5.0
	101	6455	5.0	5.0	2.00	2.00	5.0
	105	6475	5.0	5.0	2.00	2.00	5.0
	109	6495	5.0	5.0	2.00	2.00	5.0
	113	6515	5.0	5.0	2.00	2.00	5.0
	117	6535	5.0	5.0	2.00	2.00	5.0
802.11ax HE40	99	6445	8.25	8.25	5.25	5.25	8.25
	107	6485	8.25	8.25	5.25	5.25	8.25
	115	6525	8.25	8.25	5.25	5.25	8.25
802.11ax HE80	103	6465	10.75	10.75	7.75	7.75	10.75
	119	6545	10.75	10.75	7.75	7.75	10.75
802.11ax HE160	111	6505	13.50	13.50	10.50	10.50	13.50

WLAN Tune-up Power (Full)_Laptop							
UNII-7							
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
802.11ax HE20	121	6555	4.25	4.25	1.25	1.25	4.25
	125	6575	4.25	4.25	1.25	1.25	4.25
	129	6595	4.25	4.25	1.25	1.25	4.25
	133	6615	4.25	4.25	1.25	1.25	4.25
	137	6635	4.25	4.25	1.25	1.25	4.25
	141	6655	4.25	4.25	1.25	1.25	4.25
	145	6675	4.25	4.25	1.25	1.25	4.25
	149	6695	4.25	4.25	1.25	1.25	4.25
	153	6715	4.25	4.25	1.25	1.25	4.25
	157	6735	4.25	4.25	1.25	1.25	4.25
	161	6755	4.25	4.25	1.25	1.25	4.25
	165	6775	4.25	4.25	1.25	1.25	4.25
	169	6795	4.25	4.25	1.25	1.25	4.25
	173	6815	4.25	4.25	1.25	1.25	4.25
	177	6835	4.25	4.25	1.25	1.25	4.25
	181	6855	4.25	4.25	1.25	1.25	4.25
185	6875	4.25	4.25	1.25	1.25	4.25	
802.11ax HE40	123	6565	7.50	7.50	4.50	4.50	7.50
	131	6605	7.50	7.50	4.50	4.50	7.50
	139	6645	7.50	7.50	4.50	4.50	7.50
	147	6685	7.50	7.50	4.50	4.50	7.50
	155	6725	7.50	7.50	4.50	4.50	7.50
	163	6765	7.50	7.50	4.50	4.50	7.50
	171	6805	7.50	7.50	4.50	4.50	7.50
	179	6845	7.50	7.50	4.50	4.50	7.50
187	6885	7.50	7.50	4.50	4.50	7.50	
802.11ax HE80	135	6625	10.0	10.0	7.00	7.00	10.0
	151	6705	10.0	10.0	7.00	7.00	10.0
	167	6785	10.0	10.0	7.00	7.00	10.0
	183	6865	10.0	10.0	7.00	7.00	10.0
802.11ax HE160	143	6665	12.75	12.75	9.75	9.75	12.75
	175	6825	12.75	12.75	9.75	9.75	12.75

WLAN Tune-up Power (Full)_Laptop							
UNII-8							
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
802.11ax HE20	189	6895	4.25	4.25	1.25	1.25	4.25
	193	6915	4.25	4.25	1.25	1.25	4.25
	197	6935	4.25	4.25	1.25	1.25	4.25
	201	6955	4.25	4.25	1.25	1.25	4.25
	205	6975	4.25	4.25	1.25	1.25	4.25
	209	6995	4.25	4.25	1.25	1.25	4.25
	213	7015	4.25	4.25	1.25	1.25	4.25
	217	7035	4.25	4.25	1.25	1.25	4.25
	221	7055	4.25	4.25	1.25	1.25	4.25
	225	7075	4.25	4.25	1.25	1.25	4.25
	229	7095	4.25	4.25	1.25	1.25	4.25
	233	7115	-1.00	-1.00	-7.0	-7.0	-4.0
802.11ax HE40	195	6925	7.50	7.50	4.50	4.50	7.50
	203	6965	7.50	7.50	4.50	4.50	7.50
	211	7005	7.50	7.50	4.50	4.50	7.50
	219	7045	7.50	7.50	4.50	4.50	7.50
	227	7085	7.50	7.50	4.50	4.50	7.50
802.11ax HE80	199	6945	10.0	10.0	7.0	7.0	10.0
	215	7025	10.0	10.0	7.0	7.0	10.0
802.11ax HE160	207	6985	12.75	12.75	9.75	9.75	12.75

Annex E. Measured Conducted Power Result

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

WLAN Conducted Power (Tablet)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	15.42
	6	2437	15.47
	11	2462	15.35
	12	2467	15.47
	13	2472	14.99

WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ac VHT160	50	5250	7.99

WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ac VHT160	114	5570	8.02

WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ac VHT80	155	5775	7.91

UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE160	15	6025	7.88
	47	6185	7.98
	79	6345	7.94

UNII-6 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE160	111	6505	7.78

UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE160	143	6665	7.71
	175	6825	7.67

UNII-8 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE160	207	6985	7.81

WLAN Conducted Power (Tablet)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	14.39
	6	2437	14.47
	11	2462	14.41
	12	2467	14.45
	13	2472	14.36

Bluetooth Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	9.83
	39	2441	9.98
	78	2480	10.18
LE	0	2402	5.66
	19	2440	5.89
	39	2480	5.72

WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ac VHT160	50	5250	9.89

WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ac VHT160	114	5570	7.74

WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ac VHT80	155	5775	7.96

UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE160	15	6025	7.92
	47	6185	7.98
	79	6345	7.88

UNII-6 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE160	111	6505	7.87

UNII-7 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE160	143	6665	7.94
	175	6825	7.93

UNII-8 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE160	207	6985	7.96

WLAN Conducted Power (Tablet)					
WLAN2.4GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11n HT40	3	2422	13.48	13.41	16.46
	6	2437	13.49	13.46	16.49
	9	2452	13.35	13.45	16.41
	10	2457	11.16	11.1	14.14
	11	2462	8.17	8.16	11.18

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
802.11ac VHT160	50	5250	7.96	7.98	10.98

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
802.11ac VHT160	114	5570	7.93	7.85	10.9

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
802.11ac VHT80	155	5775	8.34	8.38	11.37

UNII-5 Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE160	15	6025	7.37	7.41	10.4
	47	6185	7.42	7.48	10.46
	79	6345	7.46	7.37	10.42

UNII-6 Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE160	111	6505	7.38	7.37	10.39

UNII-7 Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE160	143	6665	7.31	7.42	10.38
	175	6825	7.39	7.42	10.42

UNII-8 Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE160	207	6985	7.31	7.43	10.38

WLAN Conducted Power_Laptop			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	15.42
	6	2437	15.47
	11	2462	15.35
	12	2467	15.21
	13	2472	15.38

WLAN Conducted Power_Laptop			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	15.48
	6	2437	15.49
	11	2462	15.46
	12	2467	15.45
	13	2472	15.47

WLAN Conducted Power_Laptop

WLAN2.4GHz Ant 0+1

Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11n HT20	1	2412	15.48	15.47	18.49
	6	2437	15.49	15.48	18.5
	11	2462	15.49	15.46	18.49
	12	2467	8.73	8.72	11.74
	13	2472	5.98	5.97	8.99

WLAN Conducted Power_Laptop			
Bluetooth Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	9.43
	39	2441	9.31
	78	2480	9.69
LE	0	2402	5.66
	19	2440	5.89
	39	2480	5.72

WLAN Conducted Power_Laptop			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	13.94
	56	5280	13.99
	60	5300	13.95
	64	5320	13.98

WLAN Conducted Power_Laptop			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE40	54	5270	13.98
	62	5310	13.95

WLAN Conducted Power_Laptop**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
802.11n HT20	52	5260	13.99	13.95	16.98
	56	5280	13.98	13.96	16.98
	60	5300	14	13.92	16.97
	64	5320	13.99	13.95	16.98

WLAN Conducted Power_Laptop			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ac VHT80	106	5530	13.96
	122	5610	13.99
	138	5690	13.98

WLAN Conducted Power_Laptop			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ac VHT80	106	5530	13.96
	122	5610	13.97
	138	5690	13.99

WLAN Conducted Power_Laptop**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
802.11n HT40	102	5510	13.99	13.91	16.96
	110	5550	13.92	13.95	16.95
	118	5590	13.99	13.84	16.93
	126	5630	13.96	13.95	16.97
	134	5670	13.99	13.98	17
	142	5710	13.94	13.94	16.95

WLAN Conducted Power_Laptop			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ac VHT80	155	5775	13.43

WLAN Conducted Power_Laptop			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11n HT40	151	5755	13.96
	159	5795	13.94

WLAN Conducted Power_Laptop**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
802.11n HT40	151	5755	13.99	13.98	17
	159	5795	13.97	13.92	16.96

WLAN Conducted Power_Laptop			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE160	15	6025	12.72
	47	6185	13.08
	79	6345	13.01

UNII-6 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE160	111	6505	12.99

UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE160	143	6665	12.66
	175	6825	12.71

UNII-8 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE160	207	6985	12.72

WLAN Conducted Power_Laptop			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE160	15	6025	12.67
	47	6185	12.98
	79	6345	12.92

UNII-6 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE160	111	6505	13.17

UNII-7 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE160	143	6665	12.66
	175	6825	12.71

UNII-8 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE160	207	6985	12.73

WLAN Conducted Power_Laptop**UNII-5 Ant 0+1**

Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE160	15	6025	10.04	9.69	12.88
	47	6185	10.14	10.06	13.11
	79	6345	10.08	10.09	13.10

UNII-6 Ant 0+1

Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE160	111	6505	10.19	10.27	13.24

UNII-7 Ant 0+1

Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE160	143	6665	9.54	9.61	12.59
	175	6825	9.69	9.71	12.71

UNII-8 Ant 0+1

Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE160	207	6985	9.72	9.74	12.74

Annex F. SAR and Power Density Test Result

SAR Results for Body Exposure Condition.

Note:

1. SAR testing for WLAN was performed on the maximum power mode.
2. The "< 0.001" means there is no SAR value or the SAR is too low to be measured.

Body SAR Test Result(Tablet)

System & Position						DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	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)
	WLAN2.4G	802.11b	Rear Face	0	6	1	Ant 0	100.00	1.00	15.50	15.47	1.01	0.08	0.907	0.92
	WLAN2.4G	802.11b	Left Side	0	6	1	Ant 0	100.00	1.00	15.50	15.47	1.01	0.02	0.147	0.15
	WLAN2.4G	802.11b	Right Side	0	6	1	Ant 0	100.00	1.00	15.50	15.47	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Top Side	0	6	1	Ant 0	100.00	1.00	15.50	15.47	1.01	-0.16	0.99	1.00
	WLAN2.4G	802.11b	Bottom Side	0	6	1	Ant 0	100.00	1.00	15.50	15.47	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Rear Face	0	6	1	Ant 1	100.00	1.00	14.50	14.47	1.01	-0.12	1.01	1.02
	WLAN2.4G	802.11b	Left Side	0	6	1	Ant 1	100.00	1.00	14.50	14.47	1.01	-0.11	0.016	0.02
	WLAN2.4G	802.11b	Right Side	0	6	1	Ant 1	100.00	1.00	14.50	14.47	1.01	-0.06	0.061	0.06
1	WLAN2.4G	802.11b	Top Side	0	6	1	Ant 1	100.00	1.00	14.50	14.47	1.01	-0.17	1.12	1.13
	WLAN2.4G	802.11b	Bottom Side	0	6	1	Ant 1	100.00	1.00	14.50	14.47	1.01	0	<0.001	0.00
	WLAN2.4G	802.11n HT40	Rear Face	0	6	1	Ant 0+1	100.00	1.00	16.50	16.49	1.00	0.06	0.963	0.96
	WLAN2.4G	802.11n HT40	Left Side	0	6	1	Ant 0+1	100.00	1.00	16.50	16.49	1.00	-0.16	0.074	0.07
	WLAN2.4G	802.11n HT40	Right Side	0	6	1	Ant 0+1	100.00	1.00	16.50	16.49	1.00	-0.17	0.058	0.06
	WLAN2.4G	802.11n HT40	Top Side	0	6	1	Ant 0+1	100.00	1.00	16.50	16.49	1.00	-0.08	1.02	1.02
	WLAN2.4G	802.11n HT40	Bottom Side	0	6	1	Ant 0+1	100.00	1.00	16.50	16.49	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Rear Face	0	1	1	Ant 0	100.00	1.00	15.50	15.42	1.02	0.06	0.971	0.99
	WLAN2.4G	802.11b	Rear Face	0	11	1	Ant 0	100.00	1.00	15.50	15.35	1.04	0.07	0.995	1.03
	WLAN2.4G	802.11b	Rear Face	0	12	1	Ant 0	100.00	1.00	15.50	15.47	1.01	-0.02	0.891	0.90
	WLAN2.4G	802.11b	Rear Face	0	13	1	Ant 0	100.00	1.00	15.50	14.99	1.12	0.06	1.01	1.13
	WLAN2.4G	802.11b	Rear Face	0	1	1	Ant 1	100.00	1.00	14.50	14.39	1.03	-0.15	0.601	0.62
	WLAN2.4G	802.11b	Rear Face	0	11	1	Ant 1	100.00	1.00	14.50	14.41	1.02	0.16	0.932	0.95
	WLAN2.4G	802.11b	Rear Face	0	12	1	Ant 1	100.00	1.00	14.50	14.45	1.01	-0.17	0.713	0.72
	WLAN2.4G	802.11b	Rear Face	0	13	1	Ant 1	100.00	1.00	14.50	14.36	1.03	0.16	0.393	0.40
	WLAN2.4G	802.11n HT40	Rear Face	0	3	1	Ant 0+1	100.00	1.00	16.50	16.46	1.01	-0.07	0.499	0.50
	WLAN2.4G	802.11n HT40	Rear Face	0	9	1	Ant 0+1	100.00	1.00	16.50	16.41	1.02	0.14	0.774	0.79
	WLAN2.4G	802.11n HT40	Rear Face	0	10	1	Ant 0+1	100.00	1.00	14.25	14.14	1.03	0.14	0.316	0.33
	WLAN2.4G	802.11n HT40	Rear Face	0	11	1	Ant 0+1	100.00	1.00	11.25	11.18	1.02	0.12	0.212	0.22
	WLAN2.4G	802.11b	Top Side	0	1	1	Ant 0	100.00	1.00	15.50	15.42	1.02	0.05	0.915	0.93
	WLAN2.4G	802.11b	Top Side	0	11	1	Ant 0	100.00	1.00	15.50	15.35	1.04	0.02	0.891	0.93
	WLAN2.4G	802.11b	Top Side	0	12	1	Ant 0	100.00	1.00	15.50	15.47	1.01	-0.08	0.811	0.82
	WLAN2.4G	802.11b	Top Side	0	13	1	Ant 0	100.00	1.00	15.50	14.99	1.12	0.11	0.493	0.55
	WLAN2.4G	802.11b	Top Side	0	1	1	Ant 1	100.00	1.00	14.50	14.39	1.03	-0.11	0.647	0.67
	WLAN2.4G	802.11b	Top Side	0	11	1	Ant 1	100.00	1.00	14.50	14.41	1.02	0.08	1.01	1.03
	WLAN2.4G	802.11b	Top Side	0	12	1	Ant 1	100.00	1.00	14.50	14.45	1.01	0.19	0.767	0.77
	WLAN2.4G	802.11b	Top Side	0	13	1	Ant 1	100.00	1.00	14.50	14.36	1.03	0.05	0.624	0.64
	WLAN2.4G	802.11n HT40	Top Side	0	3	1	Ant 0+1	100.00	1.00	16.50	16.46	1.01	0.08	0.554	0.56
	WLAN2.4G	802.11n HT40	Top Side	0	9	1	Ant 0+1	100.00	1.00	16.50	16.41	1.02	-0.02	0.899	0.92
	WLAN2.4G	802.11n HT40	Top Side	0	10	1	Ant 0+1	100.00	1.00	14.25	14.14	1.03	-0.04	0.126	0.13
	WLAN2.4G	802.11n HT40	Top Side	0	11	1	Ant 0+1	100.00	1.00	11.25	11.18	1.02	0.06	0.168	0.17
	WLAN2.4G	802.11b	Top Side	0	6	2	Ant 1	100.00	1.00	14.50	14.47	1.00	0.06	0.998	1.00
	WLAN2.4G	802.11b	Top Side	0	1	2	Ant 1	100.00	1.00	14.50	14.39	1.03	-0.15	0.612	0.63
	WLAN2.4G	802.11b	Top Side	0	11	2	Ant 1	100.00	1.00	14.50	14.41	1.02	0.16	0.911	0.93

Body SAR Test Result(Tablet)

System & Position						DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	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)
	WLAN2.4G	802.11b	Top Side	0	12	2	Ant 1	100.00	1.00	14.50	14.45	1.01	-0.17	0.684	0.69
	WLAN2.4G	802.11b	Top Side	0	13	2	Ant 1	100.00	1.00	14.50	14.36	1.03	0.16	0.381	0.39
	WLAN2.4G	802.11b	Top Side	0	6	1	Ant 1	100.00	1.00	14.50	14.47	1.01	0.08	1.07	1.08
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	1	Ant 0	97.80	1.02	8.00	7.99	1.00	-0.18	0.874	0.89
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	1	Ant 0	97.80	1.02	8.00	7.99	1.00	0.16	0.011	0.01
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	1	Ant 0	97.80	1.02	8.00	7.99	1.00	0.06	0.00747	0.01
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	1	Ant 0	97.80	1.02	8.00	7.99	1.00	-0.18	1.11	1.13
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	1	Ant 0	97.80	1.02	8.00	7.99	1.00	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	1	Ant 1	97.80	1.02	10.00	9.89	1.03	0.09	0.586	0.62
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	1	Ant 1	97.80	1.02	10.00	9.89	1.03	-0.03	0.01	0.01
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	1	Ant 1	97.80	1.02	10.00	9.89	1.03	0.05	0.018	0.02
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	1	Ant 1	97.80	1.02	10.00	9.89	1.03	-0.13	1.03	1.08
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	1	Ant 1	97.80	1.02	10.00	9.89	1.03	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	1	Ant 0+1	97.80	1.02	11.00	10.98	1.00	0.02	0.415	0.42
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	1	Ant 0+1	97.80	1.02	11.00	10.98	1.00	-0.16	0.01	0.01
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	1	Ant 0+1	97.80	1.02	11.00	10.98	1.00	-0.04	0.018	0.02
2	WLAN5.3G	802.11ac VHT160	Top Side	0	50	1	Ant 0+1	97.80	1.02	11.00	10.98	1.00	-0.11	1.12	1.14
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	1	Ant 0+1	97.80	1.02	11.00	10.98	1.00	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	2	Ant 0+1	97.80	1.02	11.00	10.98	1.00	0	1.02	1.04
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	1	Ant 0+1	97.80	1.02	11.00	10.98	1.00	0.06	1.08	1.10
	WLAN5.6G	802.11ac VHT160	Rear Face	0	114	1	Ant 0	97.90	1.02	8.50	8.02	1.12	0.06	0.385	0.44
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	1	Ant 0	97.90	1.02	8.50	8.02	1.12	0.05	0.033	0.04
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	1	Ant 0	97.90	1.02	8.50	8.02	1.12	-0.08	0.009	0.01
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	1	Ant 0	97.90	1.02	8.50	8.02	1.12	-0.05	0.95	1.09
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	1	Ant 0	97.90	1.02	8.50	8.02	1.12	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Rear Face	0	114	1	Ant 1	97.90	1.02	8.00	7.74	1.06	-0.05	0.512	0.55
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	1	Ant 1	97.90	1.02	8.00	7.74	1.06	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	1	Ant 1	97.90	1.02	8.00	7.74	1.06	0.16	0.03	0.03
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	1	Ant 1	97.90	1.02	8.00	7.74	1.06	-0.08	1.01	1.09
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	1	Ant 1	97.90	1.02	8.00	7.74	1.06	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Rear Face	0	114	1	Ant 0+1	97.90	1.02	11.00	10.90	1.02	0.08	0.114	0.12
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	1	Ant 0+1	97.90	1.02	11.00	10.90	1.02	-0.01	0.008	0.01
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	1	Ant 0+1	97.90	1.02	11.00	10.90	1.02	0.19	0.01	0.01
3	WLAN5.6G	802.11ac VHT160	Top Side	0	114	1	Ant 0+1	97.90	1.02	11.00	10.90	1.02	-0.04	1.06	1.10
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	1	Ant 0+1	97.90	1.02	11.00	10.90	1.02	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	2	Ant 0+1	97.90	1.02	11.00	10.90	1.02	0.07	0.997	1.04
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	1	Ant 0+1	97.90	1.02	11.00	10.90	1.02	0.08	1.04	1.08

Body SAR Test Result(Tablet)

System & Position						DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	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	Rear Face	0	155	1	Ant 0	98.10	1.02	8.00	7.91	1.02	0.08	0.914	0.95
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	1	Ant 0	98.10	1.02	8.00	7.91	1.02	-0.06	0.134	0.14
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	1	Ant 0	98.10	1.02	8.00	7.91	1.02	0.07	0.037	0.04
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	1	Ant 0	98.10	1.02	8.00	7.91	1.02	0.09	1.06	1.10
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	1	Ant 0	98.10	1.02	8.00	7.91	1.02	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	1	Ant 1	97.30	1.03	8.00	7.96	1.01	0.08	0.392	0.41
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	1	Ant 1	97.30	1.03	8.00	7.96	1.01	0.04	0.012	0.01
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	1	Ant 1	97.30	1.03	8.00	7.96	1.01	-0.13	0.032	0.03
4	WLAN5.8G	802.11ac VHT80	Top Side	0	155	1	Ant 1	97.30	1.03	8.00	7.96	1.01	0.02	1.07	1.11
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	1	Ant 1	97.30	1.03	8.00	7.96	1.01	-0.06	0.012	0.01
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	1	Ant 0+1	97.30	1.03	11.50	11.37	1.03	0.13	0.404	0.43
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	1	Ant 0+1	97.30	1.03	11.50	11.37	1.03	-0.11	0.035	0.04
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	1	Ant 0+1	97.30	1.03	11.50	11.37	1.03	0.08	0.051	0.05
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	1	Ant 0+1	97.30	1.03	11.50	11.37	1.03	0.06	1.04	1.10
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	1	Ant 0+1	97.30	1.03	11.50	11.37	1.03	0.02	0.037	0.04
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	2	Ant 1	97.30	1.03	8.00	7.96	1.01	0.06	1.02	1.06
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	1	Ant 1	97.30	1.03	8.00	7.96	1.01	0.06	1.04	1.08
	BT	BR / EDR	Rear Face	0	78	1	Ant 1	76.10	1.31	11.00	10.18	1.21	0.05	0.205	0.32
	BT	BR / EDR	Left Side	0	78	1	Ant 1	76.10	1.31	11.00	10.18	1.21	0	<0.001	0.00
	BT	BR / EDR	Right Side	0	78	1	Ant 1	76.10	1.31	11.00	10.18	1.21	0	<0.001	0.00
	BT	BR / EDR	Top Side	0	78	1	Ant 1	76.10	1.31	11.00	10.18	1.21	0.04	0.25	0.40
	BT	BR / EDR	Bottom Side	0	78	1	Ant 1	76.10	1.31	11.00	10.18	1.21	0	<0.001	0.00
	BT	BR / EDR	Top Side	0	0	1	Ant 1	76.10	1.31	11.00	9.83	1.31	-0.08	0.233	0.44
5	BT	BR / EDR	Top Side	0	39	1	Ant 1	76.10	1.31	11.00	9.98	1.26	0.06	0.261	0.43
	BT	BR / EDR	Top Side	0	39	2	Ant 1	76.10	1.31	11.00	9.98	1.26	0.04	0.257	0.42

Body SAR Test Result(Laptop)

System & Position						DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	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)
	WLAN2.4G	802.11b	Bottom	0	6	1	Ant 0	100.00	1.00	15.50	15.47	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Back of Panel	25	6	1	Ant 0	100.00	1.00	15.50	15.47	1.01	0.02	0.084	0.08
	WLAN2.4G	802.11b	Top of Panel	25	6	1	Ant 0	100.00	1.00	15.50	15.47	1.01	0.11	0.151	0.15
	WLAN2.4G	802.11b	Bottom	0	6	1	Ant 1	100.00	1.00	15.50	15.49	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Back of Panel	25	6	1	Ant 1	100.00	1.00	15.50	15.49	1.00	0.02	0.084	0.08
6	WLAN2.4G	802.11b	Top of Panel	25	6	1	Ant 1	100.00	1.00	15.50	15.49	1.00	0.01	0.177	0.18
	WLAN2.4G	802.11n HT20	Bottom	0	6	1	Ant 0+1	98.30	1.02	18.50	18.50	1.00	0	<0.001	0.00
	WLAN2.4G	802.11n HT20	Back of Panel	25	6	1	Ant 0+1	98.30	1.02	18.50	18.50	1.00	0.06	0.094	0.10
	WLAN2.4G	802.11n HT20	Top of Panel	25	6	1	Ant 0+1	98.30	1.02	18.50	18.50	1.00	-0.02	0.15	0.15
	WLAN2.4G	802.11b	Top of Panel	25	1	1	Ant 1	100.00	1.00	15.50	15.48	1.00	0.02	0.158	0.16
	WLAN2.4G	802.11b	Top of Panel	25	11	1	Ant 1	100.00	1.00	15.50	15.46	1.01	0.04	0.165	0.17
	WLAN2.4G	802.11b	Top of Panel	25	12	1	Ant 1	100.00	1.00	15.50	15.45	1.01	-0.02	0.097	0.10
	WLAN2.4G	802.11b	Top of Panel	25	13	1	Ant 1	100.00	1.00	15.50	15.47	1.01	0.03	0.068	0.07
	WLAN2.4G	802.11b	Top of Panel	25	6	2	Ant 1	100.00	1.00	15.50	15.49	1.00	0.08	0.169	0.17
	WLAN5.3G	802.11a	Bottom	0	64	1	Ant 0	93.50	1.07	14.00	13.98	1.00	0	<0.001	0.00
	WLAN5.3G	802.11a	Back of Panel	25	64	1	Ant 0	93.50	1.07	14.00	13.98	1.00	0.08	0.622	0.67
	WLAN5.3G	802.11a	Top of Panel	25	64	1	Ant 0	93.50	1.07	14.00	13.98	1.00	0.04	0.994	1.06
	WLAN5.3G	802.11ax HE40	Bottom	0	54	1	Ant 1	97.40	1.03	14.00	13.98	1.00	0	<0.001	0.00
	WLAN5.3G	802.11ax HE40	Back of Panel	25	54	1	Ant 1	97.40	1.03	14.00	13.98	1.00	0.02	0.148	0.15
	WLAN5.3G	802.11ax HE40	Top of Panel	25	54	1	Ant 1	97.40	1.03	14.00	13.98	1.00	-0.04	0.545	0.56
	WLAN5.3G	802.11n HT20	Bottom	0	60	1	Ant 0+1	97.90	1.02	17.00	16.97	1.01	0	<0.001	0.00
	WLAN5.3G	802.11n HT20	Back of Panel	25	60	1	Ant 0+1	97.90	1.02	17.00	16.97	1.01	0.08	0.661	0.68
7	WLAN5.3G	802.11n HT20	Top of Panel	25	60	1	Ant 0+1	97.90	1.02	17.00	16.97	1.01	0.01	1.07	1.10
	WLAN5.3G	802.11a	Top of Panel	25	52	1	Ant 0	93.50	1.07	14.00	13.94	1.01	0.06	1.01	1.09
	WLAN5.3G	802.11a	Top of Panel	25	56	1	Ant 0	93.50	1.07	14.00	13.99	1.00	0.08	1.03	1.10
	WLAN5.3G	802.11a	Top of Panel	25	60	1	Ant 0	93.50	1.07	14.00	13.95	1.01	0.03	0.864	0.93
	WLAN5.3G	802.11n HT20	Top of Panel	25	52	1	Ant 0+1	97.90	1.02	17.00	16.98	1.00	0.08	0.99	1.01
	WLAN5.3G	802.11n HT20	Top of Panel	25	56	1	Ant 0+1	97.90	1.02	17.00	16.98	1.00	-0.06	1.01	1.03
	WLAN5.3G	802.11n HT20	Top of Panel	25	64	1	Ant 0+1	97.90	1.02	17.00	16.98	1.00	0.04	0.868	0.89
	WLAN5.3G	802.11n HT20	Top of Panel	25	60	2	Ant 0+1	97.90	1.02	17.00	16.97	1.01	0.08	1.02	1.05
	WLAN5.3G	802.11n HT20	Top of Panel	25	52	2	Ant 0+1	97.90	1.02	17.00	16.98	1.00	0.08	0.911	0.93
	WLAN5.3G	802.11n HT20	Top of Panel	25	56	2	Ant 0+1	97.90	1.02	17.00	16.98	1.00	-0.06	0.945	0.96
	WLAN5.3G	802.11n HT20	Top of Panel	25	64	2	Ant 0+1	97.90	1.02	17.00	16.98	1.00	0.04	0.824	0.84
	WLAN5.3G	802.11n HT20	Top of Panel	25	60	1	Ant 0+1	97.90	1.02	17.00	16.97	1.01	0.04	1.04	1.07

Body SAR Test Result(Laptop)

System & Position						DUT & Accessory		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	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)
	WLAN5.6G	802.11ac VHT80	Bottom	0	122	1	Ant 0	98.10	1.02	14.00	13.99	1.00	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Back of Panel	25	122	1	Ant 0	98.10	1.02	14.00	13.99	1.00	0.08	0.428	0.44
	WLAN5.6G	802.11ac VHT80	Top of Panel	25	122	1	Ant 0	98.10	1.02	14.00	13.99	1.00	0.02	0.911	0.93
	WLAN5.6G	802.11ac VHT80	Bottom	0	138	1	Ant 1	98.10	1.02	14.00	13.99	1.00	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Back of Panel	25	138	1	Ant 1	98.10	1.02	14.00	13.99	1.00	0.02	0.342	0.35
	WLAN5.6G	802.11ac VHT80	Top of Panel	25	138	1	Ant 1	98.10	1.02	14.00	13.99	1.00	-0.03	0.853	0.87
	WLAN5.6G	802.11n HT40	Bottom	0	134	1	Ant 0+1	97.30	1.03	17.00	17.00	1.00	0	<0.001	0.00
	WLAN5.6G	802.11n HT40	Back of Panel	25	134	1	Ant 0+1	97.30	1.03	17.00	17.00	1.00	0.05	0.494	0.51
	WLAN5.6G	802.11n HT40	Top of Panel	25	134	1	Ant 0+1	97.30	1.03	17.00	17.00	1.00	-0.06	0.836	0.86
	WLAN5.6G	802.11ac VHT80	Top of Panel	25	106	1	Ant 0	98.10	1.02	14.00	13.96	1.01	0.03	0.599	0.62
	WLAN5.6G	802.11ac VHT80	Top of Panel	25	138	1	Ant 0	98.10	1.02	14.00	13.98	1.00	0.06	0.584	0.60
	WLAN5.6G	802.11ac VHT80	Top of Panel	25	106	1	Ant 1	98.10	1.02	14.00	13.96	1.01	0.08	0.784	0.81
	WLAN5.6G	802.11ac VHT80	Top of Panel	25	122	1	Ant 1	98.10	1.02	14.00	13.97	1.01	-0.06	0.742	0.76
	WLAN5.6G	802.11n HT40	Top of Panel	25	102	1	Ant 0+1	97.30	1.03	17.00	16.96	1.01	-0.03	0.496	0.52
8	WLAN5.6G	802.11n HT40	Top of Panel	25	110	1	Ant 0+1	97.30	1.03	17.00	16.95	1.01	0.07	1.14	1.19
	WLAN5.6G	802.11n HT40	Top of Panel	25	118	1	Ant 0+1	97.30	1.03	17.00	16.93	1.02	-0.03	0.551	0.58
	WLAN5.6G	802.11n HT40	Top of Panel	25	126	1	Ant 0+1	97.30	1.03	17.00	16.97	1.01	0.08	0.561	0.58
	WLAN5.6G	802.11n HT40	Top of Panel	25	142	1	Ant 0+1	97.30	1.03	17.00	16.95	1.01	0.04	0.574	0.60
	WLAN5.6G	802.11n HT40	Top of Panel	25	110	2	Ant 0+1	97.30	1.03	17.00	16.95	1.01	-0.06	0.689	0.72
	WLAN5.6G	802.11n HT40	Top of Panel	25	110	1	Ant 0+1	97.30	1.03	17.00	16.95	1.01	0.07	1.08	1.12
	WLAN5.8G	802.11ac VHT80	Bottom	0	155	1	Ant 0	98.10	1.02	13.50	13.43	1.02	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Back of Panel	25	155	1	Ant 0	98.10	1.02	13.50	13.43	1.02	0.02	0.458	0.48
	WLAN5.8G	802.11ac VHT80	Top of Panel	25	155	1	Ant 0	98.10	1.02	13.50	13.43	1.02	0.04	0.7	0.73
	WLAN5.8G	802.11n HT40	Bottom	0	151	1	Ant 1	97.30	1.03	14.00	13.96	1.01	0	<0.001	0.00
	WLAN5.8G	802.11n HT40	Back of Panel	25	151	1	Ant 1	97.30	1.03	14.00	13.96	1.01	0.03	0.296	0.31
	WLAN5.8G	802.11n HT40	Top of Panel	25	151	1	Ant 1	97.30	1.03	14.00	13.96	1.01	0.02	0.756	0.79
	WLAN5.8G	802.11n HT40	Bottom	0	151	1	Ant 0+1	97.30	1.03	17.00	17.00	1.00	0.06	<0.001	0.00
	WLAN5.8G	802.11n HT40	Back of Panel	25	151	1	Ant 0+1	97.30	1.03	17.00	17.00	1.00	-0.08	0.452	0.47
9	WLAN5.8G	802.11n HT40	Top of Panel	25	151	1	Ant 0+1	97.30	1.03	17.00	17.00	1.00	-0.01	0.891	0.92
	WLAN5.8G	802.11n HT40	Top of Panel	25	159	1	Ant 0+1	97.30	1.03	17.00	16.96	1.01	0.04	0.706	0.73
	WLAN5.8G	802.11n HT40	Top of Panel	25	151	2	Ant 0+1	97.30	1.03	17.00	17.00	1.00	-0.07	0.731	0.75
	WLAN5.8G	802.11n HT40	Top of Panel	25	151	1	Ant 0+1	97.30	1.03	17.00	17.00	1.00	-0.01	0.872	0.90
	BT	BR / EDR	Bottom	0	78	1	Ant 1	76.10	1.31	11.00	9.69	1.35	0	<0.001	0.00
	BT	BR / EDR	Back of Panel	25	78	1	Ant 1	76.10	1.31	11.00	9.69	1.35	0	<0.001	0.00
10	BT	BR / EDR	Top of Panel	25	78	1	Ant 1	76.10	1.31	11.00	9.69	1.35	0	<0.001	0.00
	BT	BR / EDR	Top of Panel	25	0	1	Ant 1	76.10	1.31	11.00	9.43	1.44	0	<0.001	0.00
	BT	BR / EDR	Top of Panel	25	39	1	Ant 1	76.10	1.31	11.00	9.31	1.48	0	<0.001	0.00
	BT	BR / EDR	Top of Panel	25	78	2	Ant 1	76.10	1.31	11.00	9.69	1.35	0	<0.001	0.00

SAR and Power Density Test Result

System & Position				DUT & Accessory				SAR								Power Density									
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	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)	Measured APD W/m ² (4cm ²)	Grid Step [λ]	iPD [W/m2]	Scaling Factor for Measurement Uncertainty	Averaging Area [cm2]	Power Drift [dB]	Normal psPD [W/m2]	Scaled Normal psPD [W/m2]	Total psPD [W/m2]	Scaled Total psPD [W/m2]
	UNII-5	802.11ax HE160	Rear Face	0	47	1	Ant 0	97.40	1.03	8.00	7.98	1.00	-0.12	0.373	0.38	2.41	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Left Side	0	47	1	Ant 0	97.40	1.03	8.00	7.98	1.00	0.11	0.024	0.02	0.164	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Right Side	0	47	1	Ant 0	97.40	1.03	8.00	7.98	1.00	0.04	0.024	0.02	0.188	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Top Side	0	47	1	Ant 0	97.40	1.03	8.00	7.98	1.00	0.09	0.884	0.91	4.78	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Bottom Side	0	47	1	Ant 0	97.40	1.03	8.00	7.98	1.00	0	<0.001	0.00	0	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Rear Face	0	47	1	Ant 1	95.70	1.04	8.00	7.98	1.00	-0.13	0.599	0.62	4.42	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Left Side	0	47	1	Ant 1	95.70	1.04	8.00	7.98	1.00	0	<0.001	0.00	0	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Right Side	0	47	1	Ant 1	95.70	1.04	8.00	7.98	1.00	-0.16	0.015	0.02	0.124	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Top Side	0	47	1	Ant 1	95.70	1.04	8.00	7.98	1.00	0.01	0.811	0.84	5.11	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Bottom Side	0	47	1	Ant 1	95.70	1.04	8.00	7.98	1.00	0	<0.001	0.00	0	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Rear Face	0	47	1	Ant 0+1	96.80	1.03	10.50	10.46	1.01	-0.01	0.648	0.67	3.85	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Left Side	0	47	1	Ant 0+1	96.80	1.03	10.50	10.46	1.01	-0.11	<0.001	0.00	0	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Right Side	0	47	1	Ant 0+1	96.80	1.03	10.50	10.46	1.01	-0.09	<0.001	0.00	0	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Top Side	0	47	1	Ant 0+1	96.80	1.03	10.50	10.46	1.01	-0.05	1.05	1.09	4.76	0.25	3.36	1.545	4.00	-0.13	1.31	2.08	1.35	2.15
	UNII-5	802.11ax HE160	Bottom Side	0	47	1	Ant 0+1	96.80	1.03	10.50	10.46	1.01	0.14	<0.001	0.00	0	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Top Side	0	15	1	Ant 0	97.40	1.03	8.00	7.88	1.03	0.11	0.514	0.55	2.88	0.25	-	-	-	-	-	-	-	-
11	UNII-5	802.11ax HE160	Top Side	0	79	1	Ant 0	97.40	1.03	8.00	7.94	1.01	0.03	1.1	1.14	5.34	0.25	2.99	1.545	4.00	0.11	1.36	2.16	1.54	2.45
	UNII-6	802.11ax HE160	Top Side	0	111	1	Ant 0	96.80	1.03	8.00	7.78	1.05	-0.14	0.811	0.88	4.75	0.25	-	-	-	-	-	-	-	-
	UNII-7	802.11ax HE160	Top Side	0	143	1	Ant 0	96.80	1.03	8.00	7.71	1.07	-0.1	0.803	0.88	4.64	0.25	-	-	-	-	-	-	-	-
	UNII-7	802.11ax HE160	Top Side	0	175	1	Ant 0	96.80	1.03	8.00	7.67	1.08	-0.18	0.754	0.84	3.82	0.25	-	-	-	-	-	-	-	-
	UNII-8	802.11ax HE160	Top Side	0	207	1	Ant 0	96.80	1.03	8.00	7.81	1.04	-0.1	0.748	0.80	3.71	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Top Side	0	15	1	Ant 1	95.70	1.04	8.00	7.92	1.02	0.17	0.401	0.43	4.12	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Top Side	0	79	1	Ant 1	95.70	1.04	8.00	7.88	1.03	-0.11	0.924	0.99	5.64	0.25	2.23	1.545	4.00	0.08	1.56	2.51	1.63	2.62
	UNII-6	802.11ax HE160	Top Side	0	111	1	Ant 1	96.80	1.03	8.00	7.87	1.03	0.17	0.859	0.91	5.46	0.25	-	-	-	-	-	-	-	-
	UNII-7	802.11ax HE160	Top Side	0	143	1	Ant 1	96.80	1.03	8.00	7.94	1.01	0.15	0.818	0.85	5.24	0.25	-	-	-	-	-	-	-	-
	UNII-7	802.11ax HE160	Top Side	0	175	1	Ant 1	96.80	1.03	8.00	7.93	1.02	0.01	0.846	0.89	5.41	0.25	-	-	-	-	-	-	-	-
	UNII-8	802.11ax HE160	Top Side	0	207	1	Ant 1	96.80	1.03	8.00	7.96	1.01	-0.05	0.779	0.81	5.22	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Top Side	0	15	1	Ant 0+1	96.80	1.03	10.50	10.40	1.02	0.06	0.857	0.90	4.12	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Top Side	0	79	1	Ant 0+1	96.80	1.03	10.50	10.42	1.02	0.03	0.874	0.92	4.24	0.25	-	-	-	-	-	-	-	-
	UNII-6	802.11ax HE160	Top Side	0	111	1	Ant 0+1	96.80	1.03	10.50	10.39	1.03	0.12	0.733	0.78	4.09	0.25	-	-	-	-	-	-	-	-
	UNII-7	802.11ax HE160	Top Side	0	143	1	Ant 0+1	96.80	1.03	10.50	10.38	1.03	-0.11	0.756	0.80	4.12	0.25	-	-	-	-	-	-	-	-
	UNII-7	802.11ax HE160	Top Side	0	175	1	Ant 0+1	96.80	1.03	10.50	10.42	1.02	0.08	0.684	0.72	3.98	0.25	-	-	-	-	-	-	-	-
	UNII-8	802.11ax HE160	Top Side	0	207	1	Ant 0+1	96.80	1.03	10.50	10.38	1.03	0.15	0.646	0.69	3.54	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Top Side	0	79	2	Ant 0	97.40	1.03	8.00	7.94	1.01	-0.04	0.794	0.83	3.27	0.25	-	-	-	-	-	-	-	-
	UNII-5	802.11ax HE160	Top Side	0	79	1	Ant 0	97.40	1.03	8.00	7.94	1.01	-0.07	1.06	1.10	5.34	0.25	2.99	1.545	4.00	0.11	1.36	2.16	1.54	2.45

SAR and Power Density Test Result

System & Position						DUT & Accessory		SAR								Power Density									
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	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)	Measured APD W/m ² (4cm ²)	Grid Step [λ]	iPD [W/m2]	Scaling Factor for Measurement Uncertainty	Averaging Area [cm2]	Power Drift [dB]	Normal psPD [W/m2]	Scaled Normal psPD [W/m2]	Total psPD [W/m2]	Scaled Total psPD [W/m2]
	UNII-5	802.11ax HE160	Bottom	0	47	1	Ant 0	97.40	1.03	13.50	13.08	1.10	0	<0.001	0.00	0	0.25		-				-		-
	UNII-5	802.11ax HE160	Back of Panel	25	47	1	Ant 0	97.40	1.03	13.50	13.08	1.10	-0.08	0.031	0.04	0.592	0.25		-				-		-
12	UNII-5	802.11ax HE160	Top of Panel	25	47	1	Ant 0	97.40	1.03	13.50	13.08	1.10	-0.08	0.138	0.16	2.26	0.25	6.24	1.545	4.00	-0.11	1.33	2.12	1.44	2.29
	UNII-5	802.11ax HE160	Bottom	0	47	1	Ant 1	95.70	1.04	13.50	12.98	1.13	0	<0.001	0.00	0	0.25		-				-		-
	UNII-5	802.11ax HE160	Back of Panel	25	47	1	Ant 1	95.70	1.04	13.50	12.98	1.13	0.03	0.055	0.06	0.53	0.25		-				-		-
	UNII-5	802.11ax HE160	Top of Panel	25	47	1	Ant 1	95.70	1.04	13.50	12.98	1.13	-0.02	0.128	0.15	1.67	0.25	5.62	1.545	4.00	-0.08	1.51	2.43	1.53	2.46
	UNII-5	802.11ax HE160	Bottom	0	47	1	Ant 0+1	96.80	1.03	13.50	13.11	1.09	0	<0.001	0.00	0	0.25		-				-		-
	UNII-5	802.11ax HE160	Back of Panel	25	47	1	Ant 0+1	96.80	1.03	13.50	13.11	1.09	0	<0.001	0.00	0	0.25		-				-		-
	UNII-5	802.11ax HE160	Top of Panel	25	47	1	Ant 0+1	96.80	1.03	13.50	13.11	1.09	-0.04	0.085	0.10	1.21	0.25	5.83	1.545	4.00	0.15	0.796	1.27	0.85	1.35
	UNII-5	802.11ax HE160	Top of Panel	25	15	1	Ant 0	97.40	1.03	13.50	12.72	1.20	0.03	0.079	0.10	1.45	0.25		-				-		-
	UNII-5	802.11ax HE160	Top of Panel	25	79	1	Ant 0	97.40	1.03	13.50	13.01	1.12	0.05	0.114	0.13	2.05	0.25		-				-		-
	UNII-6	802.11ax HE160	Top of Panel	25	111	1	Ant 0	97.40	1.03	13.00	12.99	1.00	-0.12	0.086	0.09	1.57	0.25		-				-		-
	UNII-7	802.11ax HE160	Top of Panel	25	143	1	Ant 0	97.40	1.03	13.00	12.66	1.08	0.05	0.067	0.07	0.816	0.25		-				-		-
	UNII-7	802.11ax HE160	Top of Panel	25	175	1	Ant 0	97.40	1.03	13.00	12.71	1.07	-0.07	0.105	0.12	1.09	0.25		-				-		-
	UNII-8	802.11ax HE160	Top of Panel	25	207	1	Ant 0	97.40	1.03	13.00	12.72	1.07	0.01	0.106	0.12	1.81	0.25		-				-		-
	UNII-5	802.11ax HE160	Top of Panel	25	47	2	Ant 0	97.40	1.03	13.50	13.08	1.10	0.02	0.118	0.13	1.89	0.25		-				-		-

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
R01	WLAN2.4G	802.11b	Top Side	6	1.12	1.07	1.05
R02	WLAN5.3G	802.11ac VHT160	Top Side	50	1.12	1.08	1.04
R03	WLAN5.6G	802.11ac VHT160	Top Side	114	1.06	1.04	1.02
R04	WLAN5.8G	802.11ac VHT80	Top Side	155	1.07	1.04	1.03
R07	WLAN5.3G	802.11n HT20	Top of Panel	60	1.07	1.04	1.03
R08	WLAN5.6G	802.11n HT40	Top of Panel	110	1.14	1.08	1.06
R09	WLAN5.8G	802.11n HT40	Top of Panel	151	0.891	0.872	1.02
R11	UNII-5	802.11ax HE160	Top Side	79	1.1	1.06	1.04

Annex H. Analysis of Simultaneous Transmission SAR and Total Exposure Ratio

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	WLAN2.4G_Ant 0 + BT_Ant1	Yes
B	WLAN5G_Ant 0 + BT_Ant1	Yes
C	WLAN5G_Ant 0+1 + BT_Ant1	Yes
D	WLAN6E_Ant 0 + BT_Ant1	Yes
E	WLAN6E_Ant 0+1 + BT_Ant1	Yes

Notes

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

Simultaneous Transmission SAR Evaluation (Body)												
Position	1	2	3	4	5	6	A(1+6)	B(2+6)	C(3+6)	D(4+6)	E(5+6)	
	WLAN 2.4GHz Ant 0	WLAN 5GHz Ant 0	WLAN 5GHz Ant 0+1	WLAN 6E Ant 0	WLAN 6E Ant 0+1	BT Ant 1	Summimg result 1g SAR W/kg					
	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg						
Rear Face	1.13	0.95	0.43	0.38	0.67	0.32	1.45	1.27	0.75	0.70	0.99	
Left Side	0.15	0.14	0.04	0.02	0.00	0.00	0.15	0.14	0.04	0.02	0.00	
Right Side	0.00	0.04	0.05	0.02	0.00	0.00	0.00	0.04	0.05	0.02	0.00	
Top Side	1.00	1.13	1.14	1.14	1.09	0.44	1.44	1.57	1.58	1.58	1.53	
Bottom Side	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	
Bottom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Back of Panel	0.08	0.67	0.68	0.04	0.00	0.00	0.08	0.67	0.68	0.04	0.00	
Top of Panel	0.15	1.10	1.19	0.16	0.10	0.00	0.15	1.10	1.19	0.16	0.10	

Annex I. SAR to Peak Location Separation Ratio Analysis.

Since sum of simultaneous transmission SAR is less than the SAR limit for Body / Head : SAR_{1g} 1.6 W/kg ;
Extremity SAR_{10g} 4.0 W/kg. There is no requirement for SAR to Peak Location Separation Ratio Analysis.

Annex J. Calibration of Test Equipment List

Calibration of Test Equipment List are shown as below.

Equipment for SAR Test

Equipment	Manufacturer	Model	SN	Cal. Date	Cal. Interval
System Validation Dipole	SPEAG	D2450V2	835	Jun. 22, 2021	1 Year
System Validation Dipole	SPEAG	D5GHzV2	1019	Mar. 19, 2021	1 Year
System Validation Dipole	SPEAG	D6.5GHzV2	1029	Feb. 10, 2021	1 Year
System Verification Source	SPEAG	5G Verification Source 10 GHz	1025	Jan. 19, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7537	Apr. 26, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3820	Jul. 28, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7554	Aug. 26, 2021	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3650	Mar. 26, 2021	1 Year
E-Field Probe	SPEAG	EUmmWV4	9438	Jul. 26, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	861	Apr. 14, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1585	Apr. 15, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1589	Aug. 20, 2021	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1341	Aug. 20, 2021	1 Year
Spectrum Analyzer	R&S	FSL6	102006	Apr. 06, 2021	1 Year
Universal Wireless Test Set	Anritsu	MT8870A/MU887000A	6201699387	Sep. 22, 2021	1 Year
Thermometer	YFE	YF-160A	191100743	Apr. 12, 2021	1 Year
Dielectric Assessment Kit	SPEAG	DAKS-3.5	1151	Jul. 14, 2021	1 Year
Powersource1	SPEAG	SE_UMS_160 BA	4010	Jul. 13, 2021	1 Year

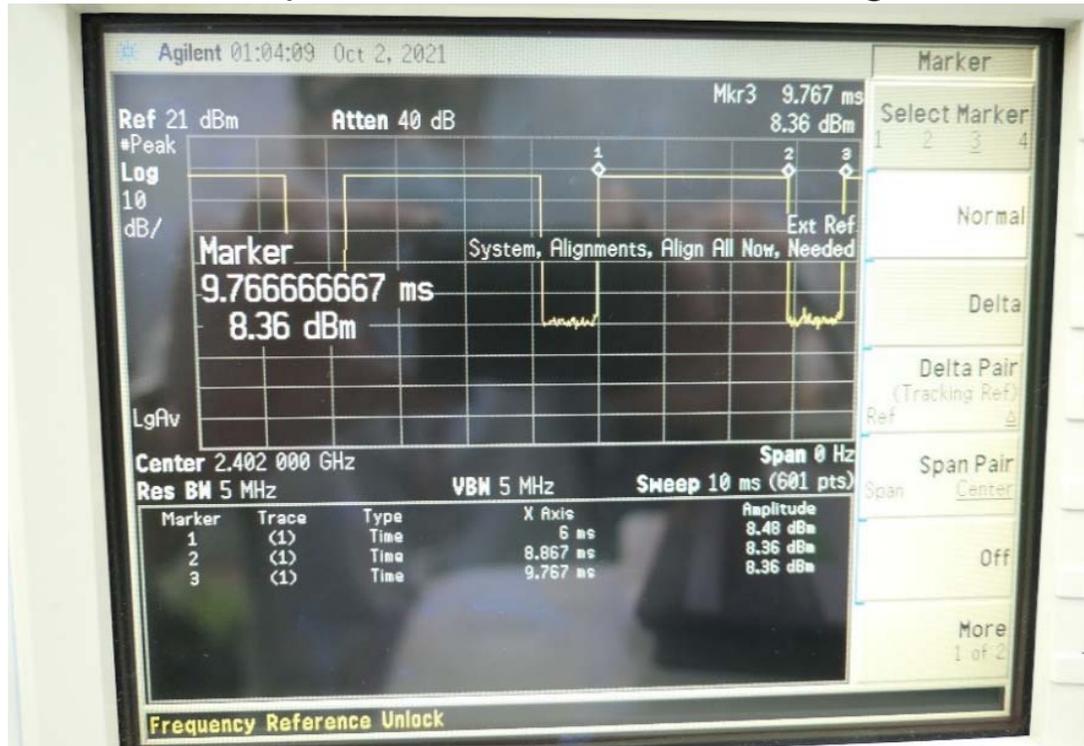
Annex K. Considerations Related to Bluetooth for Setup and Testing

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

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

The duty factor of Bluetooth signal are shown as below.

<Time-domain plot for Bluetooth transmission signal>



Time-domain plot for Bluetooth transmission signal

The duty factor of Bluetooth signal has been calculated as following.

$$\text{Duty Factor} = \text{Pulse Width} / \text{Total Period} = (8.867 - 6) / (9.767 - 6) = 76.11\%$$

Annex L. Gravity-Sensor Test Result

Test Result of Gravity-Sensor are shown as below.

1.Hall Effect and Gravity-Sensor

Orientation 1																																											
<A> From close mode 0 degrees, open the screen in 10 degree step until laptop mode is obtained.																																											
Laptop mode	Degree	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360					
	Power	13.77	13.8	20.3																																							
Range of trigger angle																																											
 Move back by 5 degree, until close mode is reobtained.																																											
11~200	Degree	0	5	10	15	20	...	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280					
	Power			13.69	20.32																																						
<C> Open the screen in 1 degree steps until laptop mode is reobtained and continue opening the screen in 1 degree steps																																											
	Degree	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	...	200	201	202	203	204	205	206	207	208	209	210	211	212	...	360					
	Power												20.33	20.32	20.32	20.32	20.31																										
<D> Then continue opening the screen in 10 degree steps until tablet mode is obtained.																																											
	Degree	0	5	15	25	35	45	55	65	75	85	95	105	115	125	135	145	155	165	175	185	195	205	215	225	235	245	255	265	275	285	295	305	315	325	335	345	355					
	Power			20.34	20.34	20.33	20.31	20.32	20.32	20.32	20.31	20.33	20.3	20.22	20.25	20.33	20.32	20.31	20.32	20.33	20.34	20.31	13.45																				
Orientation 2																																											
<A> From Tablet mode 0 degrees, open the screen in 10 degree step until laptop mode is obtained.																																											
Tablet mode	Degree	360	350	340	330	320	310	300	290	280	270	260	250	240	230	220	210	200	190	180	170	160	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0					
	Power	13.69	13.66	13.62	13.61	13.62	13.63	13.62	13.62	13.62	13.61	13.6	13.64	13.62	13.63	13.61	13.65	13.63	20.29																								
Range of trigger angle																																											
 Move back by 5 degree, until Tablet mode is reobtained.																																											
201~360	Degree	360	355	350	345	340	335	330	325	320	315	310	...	215	210	205	200	195	190	185	180	175	170	...	65	60	55	50	45	40	35	30	25	20	15	10	5	0					
	Power															17.6	26.22	26.24	26.22	26.23																							
> Open the screen in 1 degree steps until laptop mode is reobtained and continue opening the screen in 1 degree steps at least 5 degree																																											
	Degree	360	359	358	357	356	355	354	353	352	351	350	349	348	347	346	345	...	205	204	203	202	201	200	199	198	197	196	195	194	193	192	191	190	189	188	...	0					
	Power																			13.52	13.55	13.61	13.6	13.55	20.38	20.21																	
<D> Then continue opening the screen in 10 degree steps until close mode is obtained.																																											
	Degree	360	359	358	357	...	219	218	217	216	215	214	213	212	211	210	209	199	189	179	169	159	149	139	129	119	109	99	89	79	69	59	49	39	29	19	9	0					
	Power																			20.22	20.33	20.32	20.33	20.34	20.31	20.24	20.24	20.22	20.21	20.2	20.11	20.12	20.11	20.25	25.11	20.21	20.2	13.42					