

Plots of System Verification

Appendix A. Plots of System Verification

The plots for system verification are shown as follows.

Plots of System Verification

Measurement Report S01 System Check 2450_230725 Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole,	300.0 x 300.0 x 10.0		Phone

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	,		CW, 0--	2450.0, 0	7.1	0.93	42.9

Hardware Setup

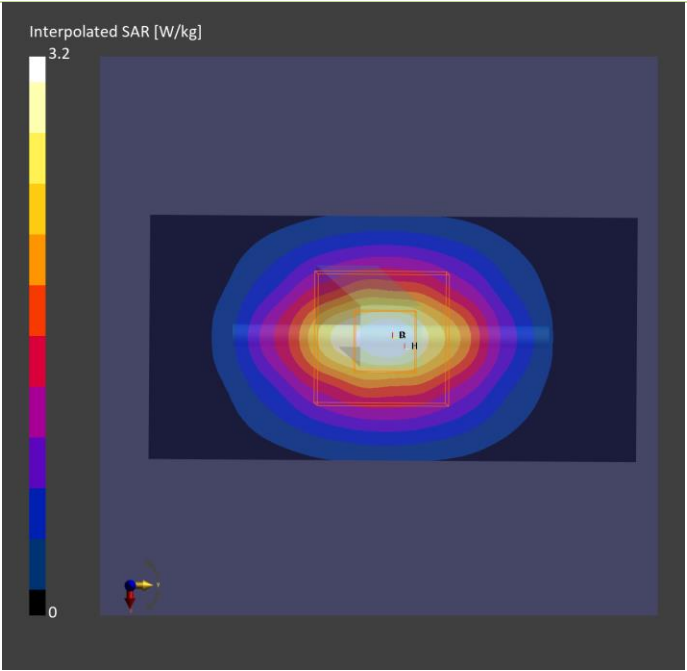
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H06T27N8 , 2023-Jul-25	EX3DV4 - SN7720, 2023-03-23	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-25	2023-07-25
psSAR1g [W/kg]	2.43	2.44
psSAR10g [W/kg]	1.13	1.13
Power Drift [dB]	-0.01	-0.01





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Plots of System Verification

Measurement Report

S02 System Check_H5250_230724

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				5250.0	4.89	4.44	36.0

Hardware Setup

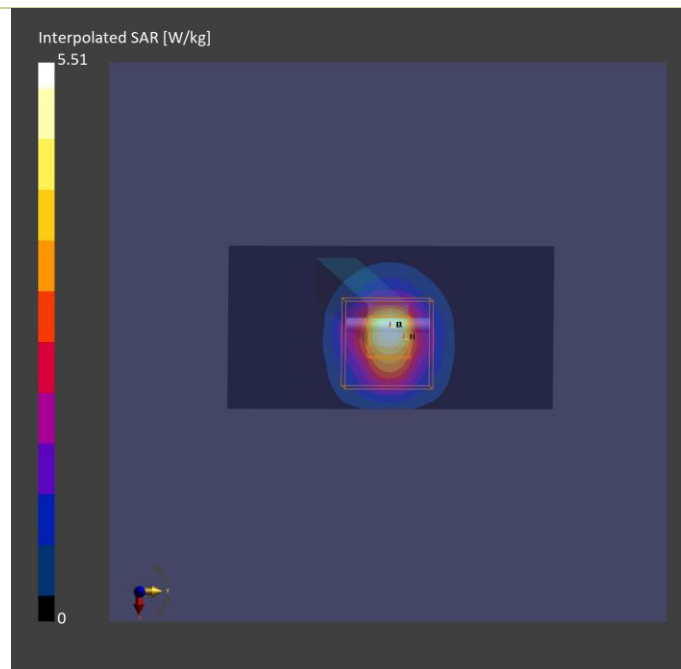
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H51T72N6 , 2023-Jul-24	EX3DV4 - SN7797, 2022-12-12	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-24	2023-07-24
psSAR1g [W/kg]	3.52	3.89
psSAR10g [W/kg]	1.05	1.11
Power Drift [dB]	-0.01	-0.01





Plots of System Verification

Measurement Report

S03 System Check_H5600_230725

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				5600.0	4.34	4.81	35.4

Hardware Setup

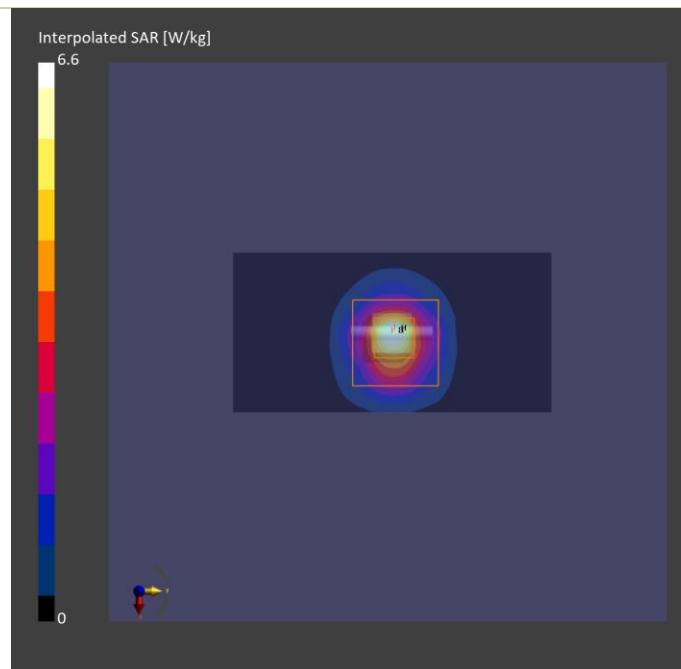
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H51T72N6 , 2023-Jul-25	EX3DV4 - SN7797, 2022-12-12	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-25	2023-07-25
psSAR1g [W/kg]	4.17	4.52
psSAR10g [W/kg]	1.21	1.28
Power Drift [dB]	0.01	0.01



Plots of System Verification

Measurement Report S05 System Check 5800_230725 Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole,	300.0 x 300.0 x 10.0		Phone

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	,		CW, 0--	5800.0, 0	4.77	5.23	33.5

Hardware Setup

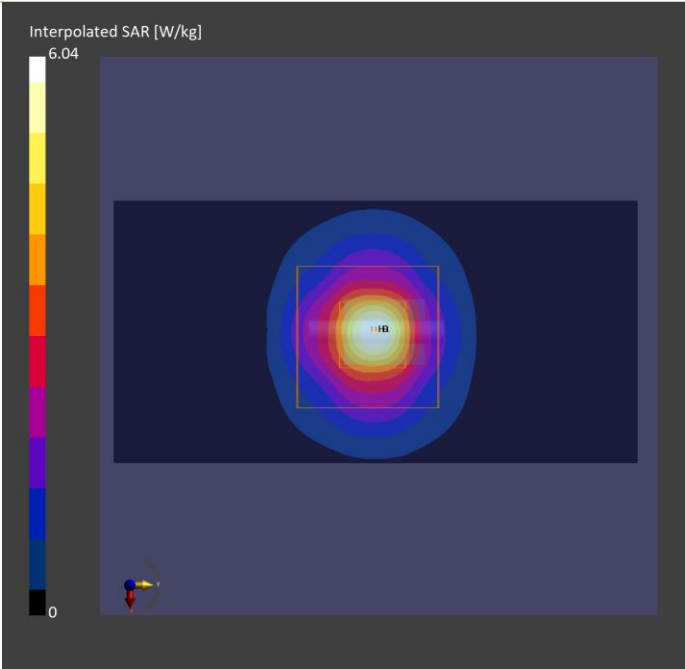
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H51T72N8 , 2023-Jul-25	EX3DV4 - SN7720, 2023-03-23	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-25	2023-07-25
psSAR1g [W/kg]	3.77	3.97
psSAR10g [W/kg]	1.06	1.13
Power Drift [dB]	0.02	-0.01





Plots of System Verification

Measurement Report S06 System Check 5800_230725

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole,	300.0 x 300.0 x 10.0		Phone

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	,		CW, 0--	5800.0, 0	4.77	5.23	33.5

Hardware Setup

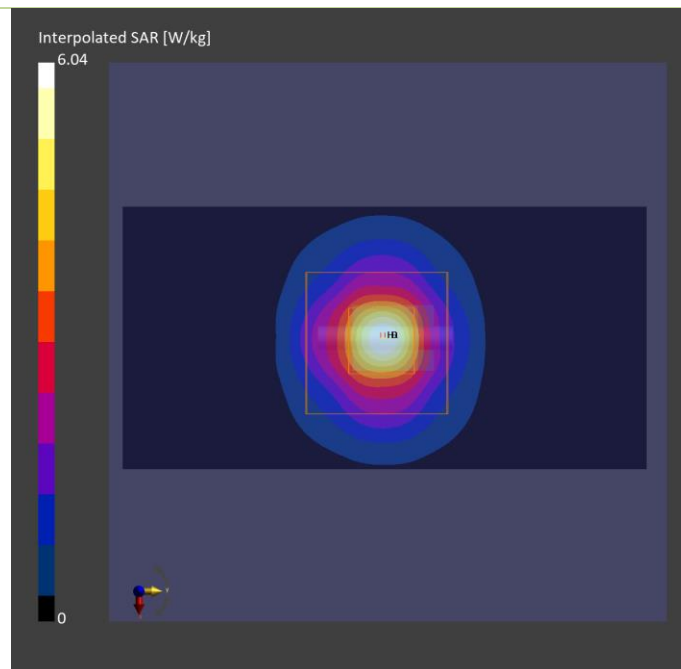
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H51T72N8 , 2023-Jul-25	EX3DV4 - SN7720, 2023-03-23	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-25	2023-07-25
psSAR1g [W/kg]	3.77	3.97
psSAR10g [W/kg]	1.06	1.13
Power Drift [dB]	0.02	-0.01





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Plots of System Verification

Measurement Report S07 System Check 2450_230725

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole,	300.0 x 300.0 x 10.0		Phone

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	,		CW, 0--	2450.0, 0	7.1	0.93	42.9

Hardware Setup

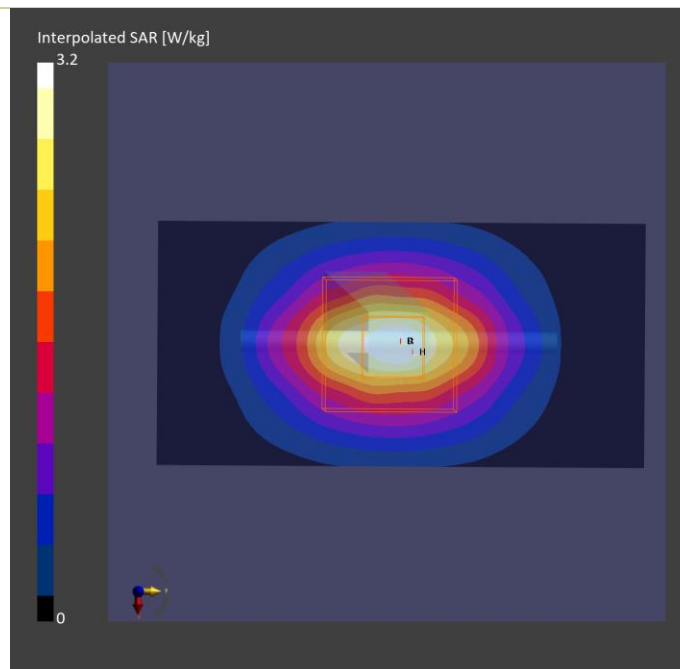
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H06T27N8 , 2023-Jul-25	EX3DV4 - SN7720, 2023-03-23	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-25	2023-07-25
psSAR1g [W/kg]	2.43	2.44
psSAR10g [W/kg]	1.13	1.13
Power Drift [dB]	-0.01	-0.01





Plots of System Verification

Measurement Report

S08 System Check_H6500_230724

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	10.0 x 10.0 x 300.0		

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				6500.0	4.7	5.83	34.0

Hardware Setup

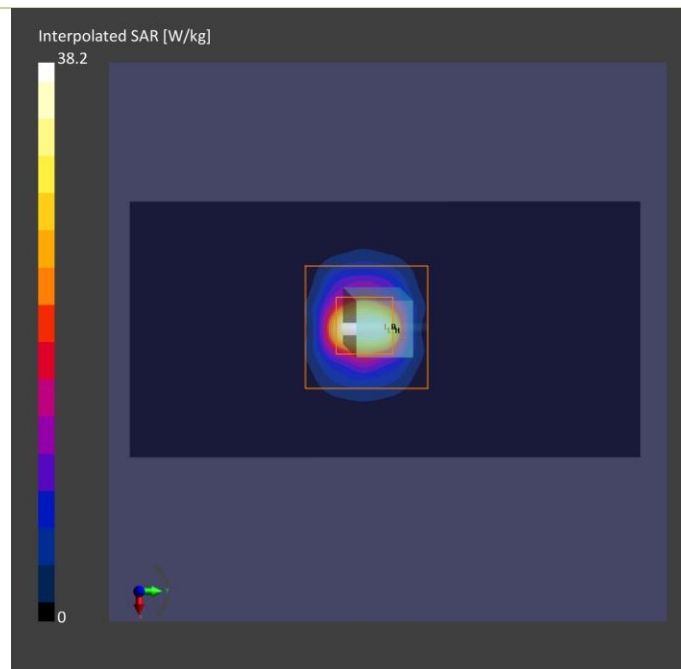
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H51T72N6 , 2023-Jul-24	EX3DV4 - SN7797, 2022-12-12	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	45.0 x 90.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-24	2023-07-24
psSAR1g [W/kg]	25.5	29.5
psSAR10g [W/kg]	5.05	5.39
psAPD (1.0cm2, sq) [W/m2]		295
psAPD (4.0cm2, sq) [W/m2]		133
Power Drift [dB]	-0.02	0.13





Plots of System Verification

Measurement Report

S08 PD_System Check_10 GHz_2023.07.27

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPEAG, 5G Verification Source 10 GHz	100.0 x 100.0 x 170.0	SN: 1016	Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

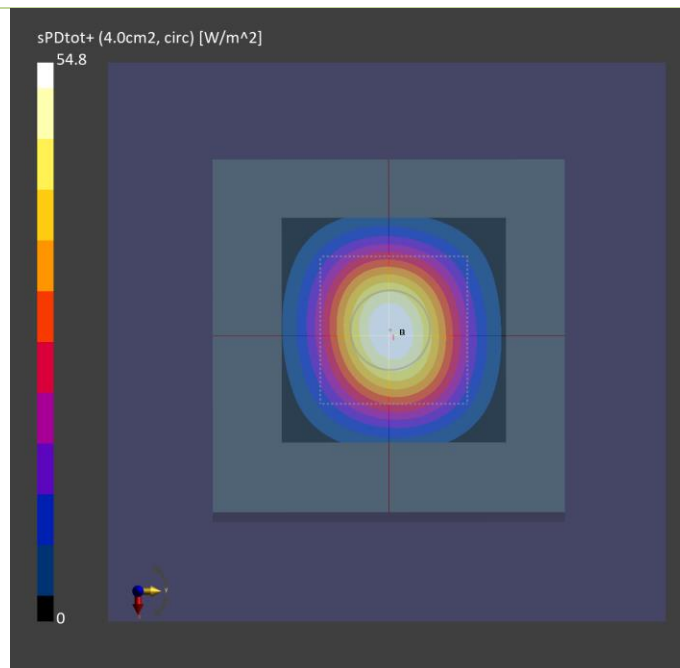
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1030	--Air--	EUmmWV4 - SN9615_F1-55GHz, 2023-07-10	DAE4 Sn1277, 2023-01-24

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

	5G Scan
Date	2023-07-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	54.5
psPDtot+ [W/m ²]	54.8
psPDmod+ [W/m ²]	55.0
E _{max} [V/m]	149
Power Drift [dB]	0.04



Plots of System Verification

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2023/08/09

S09 System Check_H13MHz_230809

DUT: CLA-13 MHz ;Type: CLA-13 ;SN: 1018

Communication System: UID 10453 - AAD, Validation (Square, 10ms, 1ms); Frequency: 13 MHz; Duty Cycle: 1:10
Medium: H13_0809 Medium parameters used: $f = 13 \text{ MHz}$; $\sigma = 0.731 \text{ S/m}$; $\epsilon_r = 55.227$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.8 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7720; ConvF(17.02, 17.02, 17.02) @ 13 MHz; Calibrated: 2023/03/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1698; Calibrated: 2022/11/17
- Phantom: ELI_Phantom_1204; Type: QD OVA 002 Ax; Serial: 1204
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin=1W/Area Scan (241x241x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0205 W/kg

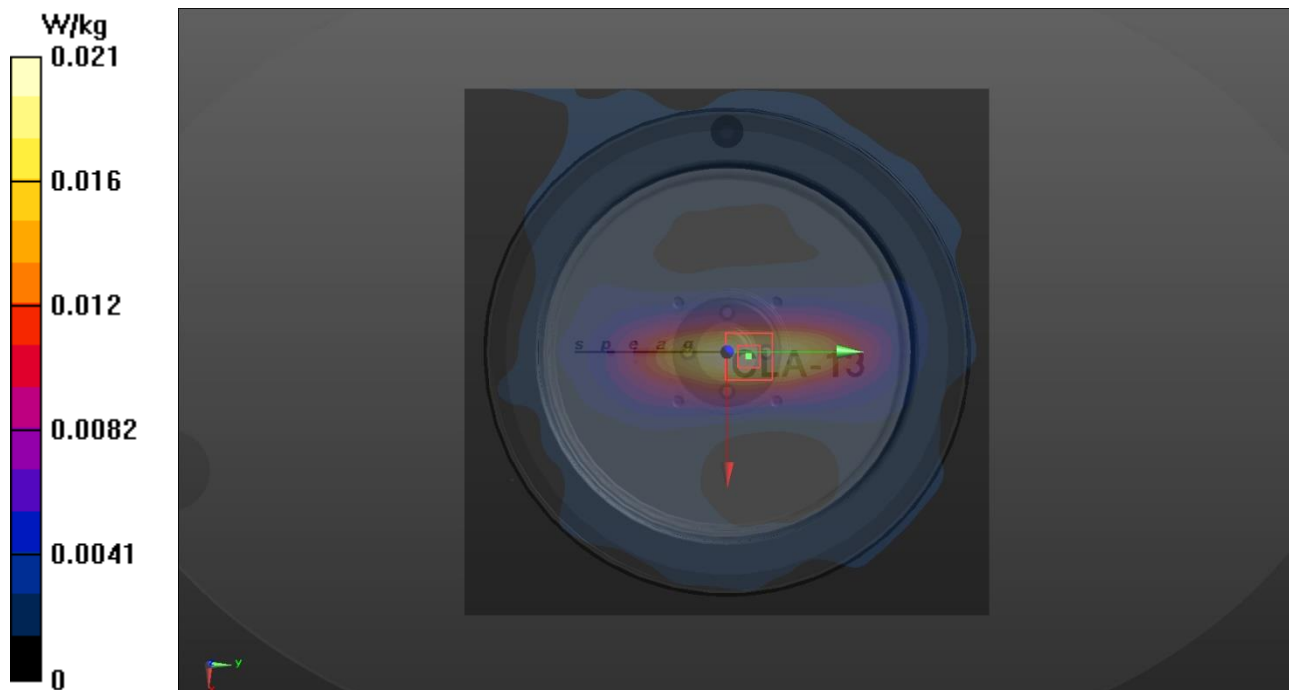
Pin=1W/Zoom Scan (7x7x16)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 5.167 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.0300 W/kg

SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.0092 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0203 W/kg



Plots of Measurement

Appendix B. Plots of Measurement

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



Plots of Measurement

Measurement Report

P01 WLAN2.4G_802.11n HT40_Right Side_0mm_Ch6_Sample Auden_Ant 0+1_P-sensor w_o

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23040057,	258.0 x 184.0 x 25.0		Phone

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,	Right Side, 0.00	WLAN 2.4GHz	WLAN, 10599-AAC	2437.000, 6	7.1	1.88	39.5

Hardware Setup

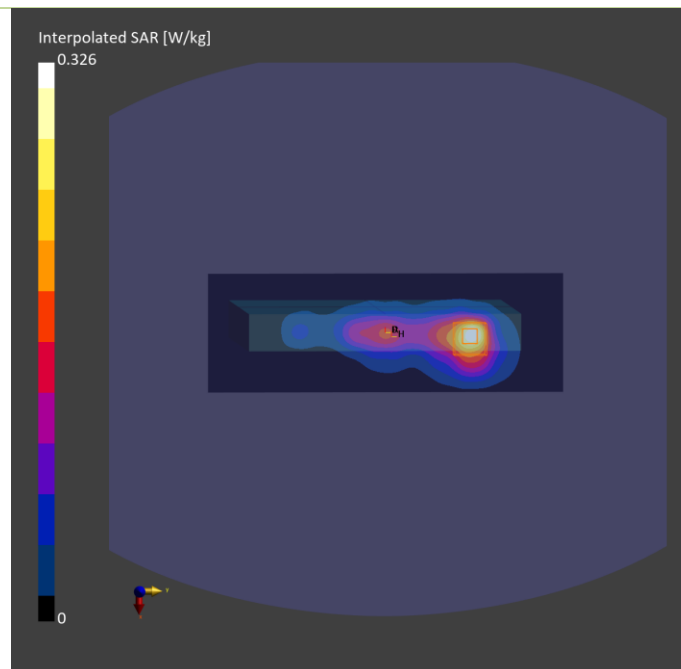
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H51T72N8 , 2023-Jul-25	EX3DV4 - SN7720, 2023-03-23	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-25	2023-07-25
psSAR1g [W/kg]	0.252	0.331
psSAR10g [W/kg]	0.127	0.155
Power Drift [dB]	0.50	-0.08
M2/M1 [%]		81.1
Dist 3dB Peak [mm]		9.9





Plots of Measurement

Measurement Report

P02 WLAN5.3G_802.11ac VHT160_Right Side_0mm_Ch50_Sample Auden_Ant 0+1_P-sensor w_o

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23040057	258.0 x 184.0 x 25.0		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,	Right Side, 0.00	WLAN 5GHz	WLAN, 10554-AAE	5250.000, 50	4.89	4.44	36.0

Hardware Setup

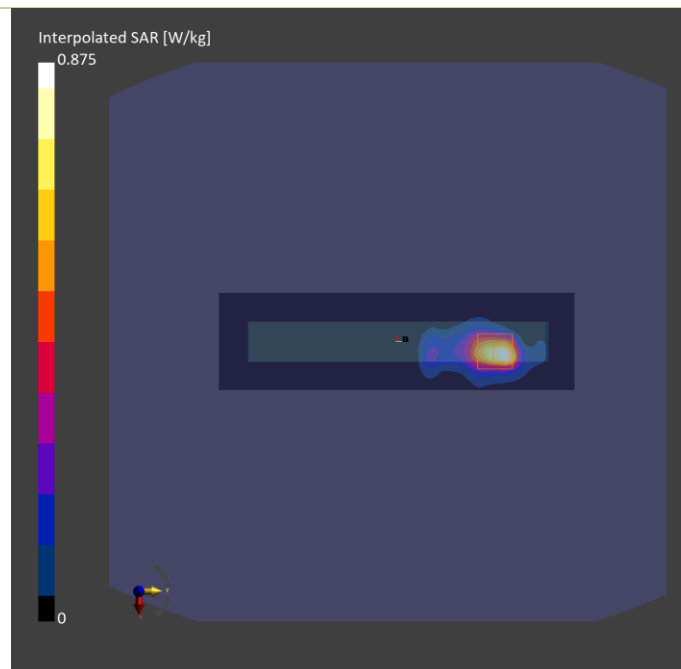
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H51T72N6 , 2023-Jul-24	EX3DV4 - SN7797, 2022-12-12	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 220.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-24	2023-07-24
psSAR1g [W/kg]	0.617	0.678
psSAR10g [W/kg]	0.222	0.215
Power Drift [dB]	-0.01	-0.05
M2/M1 [%]		65.1
Dist 3dB Peak [mm]		7.3



Plots of Measurement

Measurement Report

P03 WLAN5.6G_802.11ac VHT160_Right Side_0mm_Ch114_Sample Auden_Ant 0+1_P-sensor w_o

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23040057	258.0 x 184.0 x 25.0		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,	Right Side, 0.00	WLAN 5GHz	WLAN, 10554-AAE	5570.000, 114	4.34	4.78	35.5

Hardware Setup

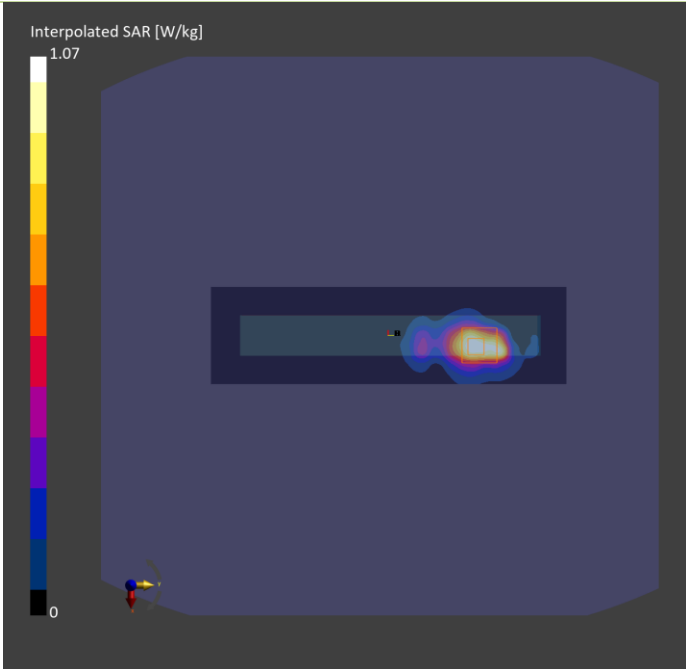
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H51T72N6 , 2023-Jul-25	EX3DV4 - SN7797, 2022-12-12	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 220.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-25	2023-07-25
psSAR1g [W/kg]	0.801	0.836
psSAR10g [W/kg]	0.312	0.301
Power Drift [dB]	0.04	-0.02
M2/M1 [%]		62.7
Dist 3dB Peak [mm]		7.3





Plots of Measurement

Measurement Report

P05 WLAN5.8G_802.11ac VHT80_Right Side_0mm_Ch155_Sample Auden_Ant 1_P-sensor w_o

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23040057,	258.0 x 184.0 x 25.0		Phone

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,	EDGE TOP, 0.00	WLAN 5GHz	WLAN, 10544-AAD	5775.000, 155	4.77	5.28	33.5

Hardware Setup

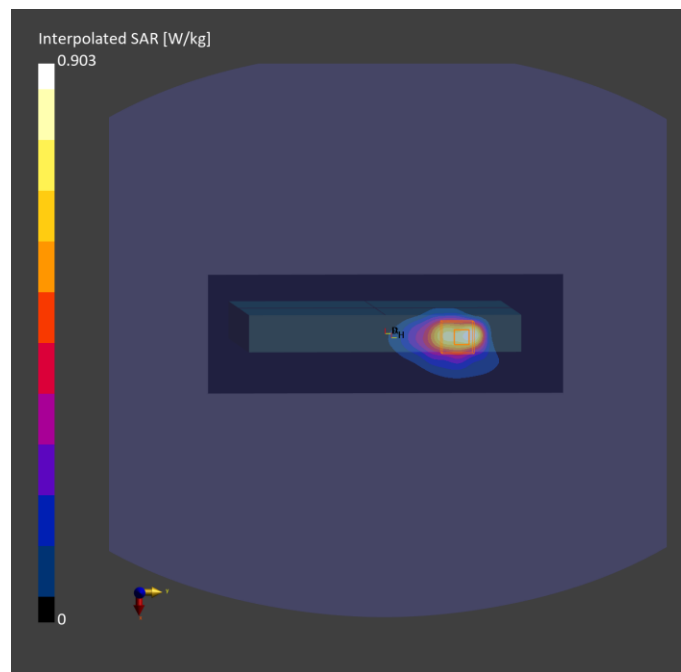
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H51T72N8 , 2023-Jul-25	EX3DV4 - SN7720, 2023-03-23	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 240.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-25	2023-07-25
psSAR1g [W/kg]	0.662	0.941
psSAR10g [W/kg]	0.263	0.272
Power Drift [dB]	0.03	0.05
M2/M1 [%]		60.7
Dist 3dB Peak [mm]		7.2





Plots of Measurement

Measurement Report

P06 WLAN5.9G_802.11ac VHT160_Right Side_0mm_Ch163_Sample Auden_Ant 0+1_P-sensor w_o

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23040057,	258.0 x 184.0 x 25.0		Phone

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,	Left Side, 0.00	WLAN 5GHz	WLAN, 10554-AAE	5815.000, 163	4.77	5.23	33.5

Hardware Setup

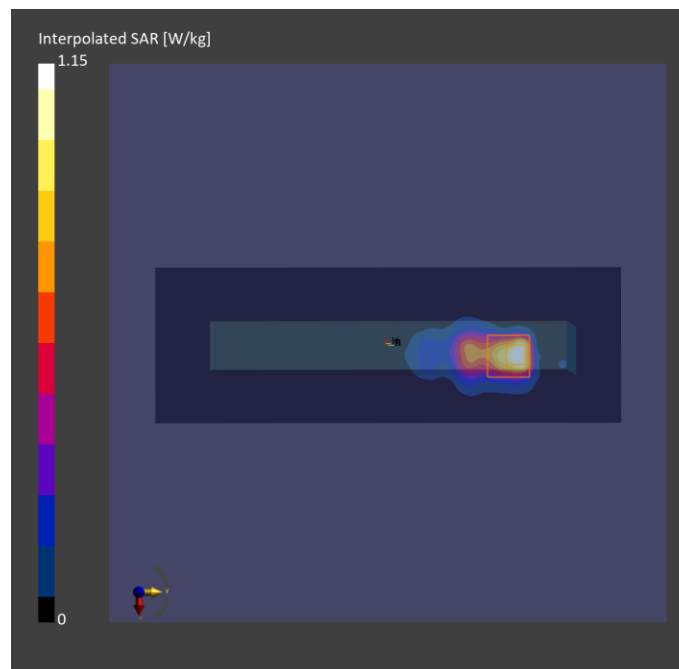
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H51T72N8 , 2023-Jul-25	EX3DV4 - SN7720, 2023-03-23	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 240.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-25	2023-07-25
psSAR1g [W/kg]	0.857	1.03
psSAR10g [W/kg]	0.290	0.294
Power Drift [dB]	0.04	-0.06
M2/M1 [%]		58.1
Dist 3dB Peak [mm]		7.2





Plots of Measurement

Measurement Report

P07_BT_BDR_Right Side_0mm_Ch78_Sample Auden_Ant 1_P-sensor w_o

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23040057,	258.0 x 184.0 x 25.0		Phone

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,	Right Side, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2480.000, 78	7.1	1.91	39.4

Hardware Setup

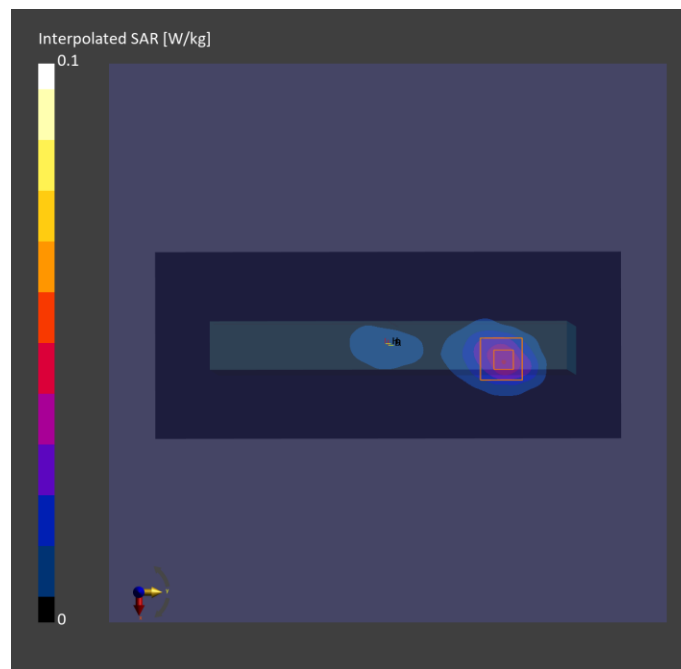
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H06T27N8 , 2023-Jul-25	EX3DV4 - SN7720, 2023-03-23	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 240.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-25	2023-07-25
psSAR1g [W/kg]	0.033	0.032
psSAR10g [W/kg]	0.017	0.014
Power Drift [dB]	-0.16	0.13
M2/M1 [%]		46.6
Dist 3dB Peak [mm]		9.0





Plots of Measurement

Measurement Report

P08 UNII-5_802.11ax HE160_Left Side_0mm_Ch15_Sample Auden_Ant 0_P-sensor w

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23040057	258.0 x 184.0 x 25.0		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,	Left Side, 0.00	U-NII-5	WLAN, 10755-AAC	6025.000, 15	4.7	5.28	34.8

Hardware Setup

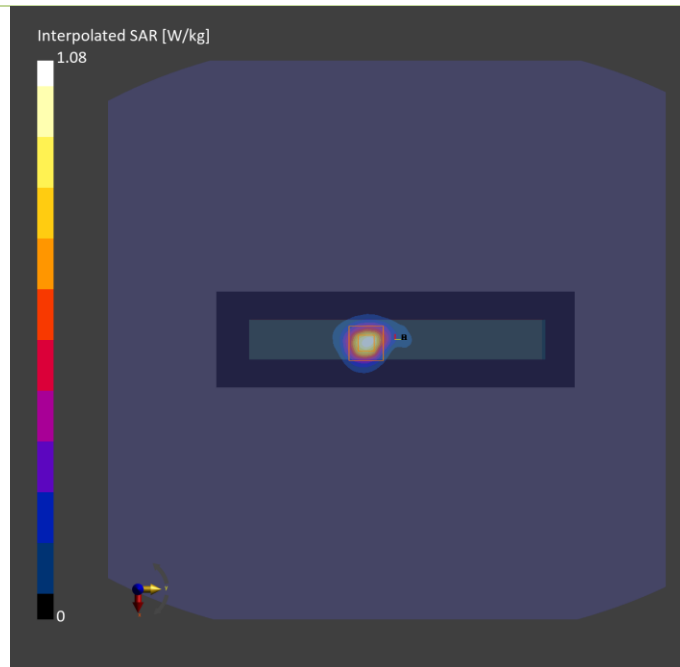
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H51T72N6 , 2023-Jul-24	EX3DV4 - SN7797, 2022-12-12	DAE4 Sn1590, 2022-09-22

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 225.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	7.5 x 7.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-07-24	2023-07-24
psSAR1g [W/kg]	0.773	0.860
psSAR10g [W/kg]	0.243	0.268
psAPD (1.0cm2, sq) [W/m2]		8.60
psAPD (4.0cm2, sq) [W/m2]		6.16
Power Drift [dB]	0.02	-0.06
M2/M1 [%]		55.6
Dist 3dB Peak [mm]		7.8



Plots of Measurement

Measurement Report

P08 UNII-5_802.11ax HE160_Left Side_0mm_Ch15_Sample AUDEN_Ant 0_P-sensor w

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BEDW-WTW-P23040057,	258.0 x 184.0 x 25.0		Tablet

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Left Side, 2.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	1.0

Hardware Setup

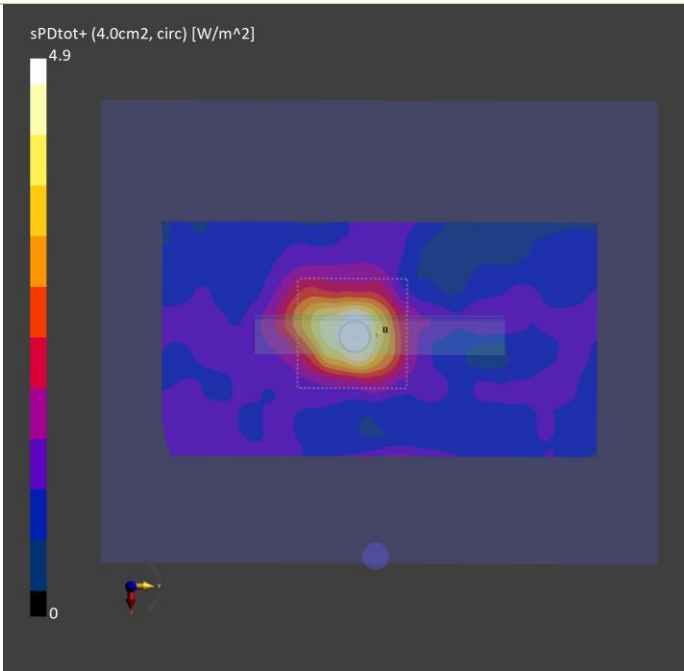
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1030	---Air	EUmmWV4 - SN9615_F1-55GHz, 2023-07-10	DAE4 Sn1277, 2023-01-24

Scan Setup

	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.0502 x 0.0502
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2023-07-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.99
psPDtot+ [W/m ²]	4.90
psPDmod+ [W/m ²]	4.83
E _{max} [V/m]	64.3
Power Drift [dB]	0.13



Plots of Measurement

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Date: 2023/08/09

P09 RFID_ASK_Front Face_0mm_Frequency13.56

DUT: BEDW-WTW-P23040057

Communication System: UID 0, CW; Frequency: 13.56 MHz; Duty Cycle: 1:1

Medium: H13_0809 Medium parameters used (interpolated): $f = 13.56$ MHz; $\sigma = 0.731$ S/m; $\epsilon_r = 55.12$; $\rho = 1000$ kg/m³

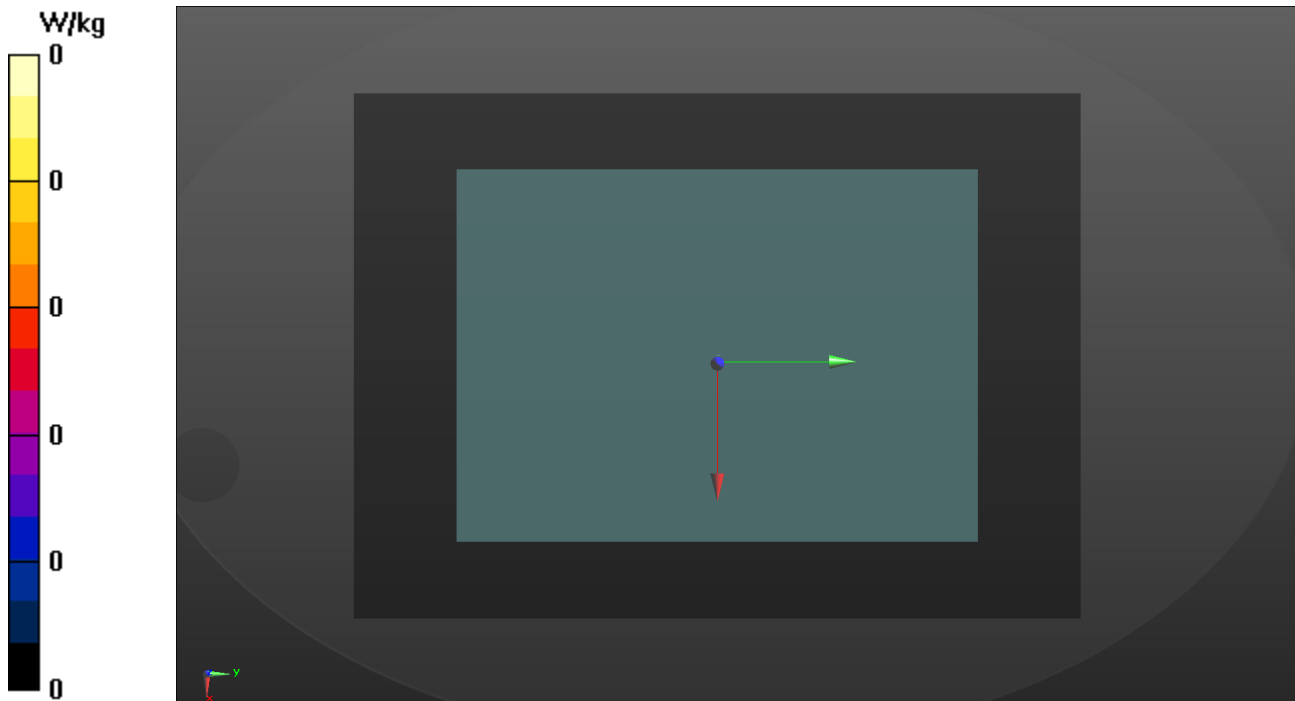
Ambient Temperature : 22.8 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7720; ConvF(17.02, 17.02, 17.02) @ 13.56 MHz; Calibrated: 2023/03/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1698; Calibrated: 2022/11/17
- Phantom: ELI_Phantom_1204; Type: QD OVA 002 Ax; Serial: 1204
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (261x361x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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



Appendix 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 FCC KDB 865664 D0. 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 Appendix A of this report.



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Tissue Verification										Validation for CW			Validation for Modulation				System Check					Note		
Plot No.	Frequency (MHz)	Ambient Temp. (°C)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ϵ_r)	Targeted Conductivity (σ)	Targeted Permittivity (ϵ_r)	Deviation Conductivity (σ)	Deviation Permittivity (ϵ_r)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
S01	2450	22	21.5	0.93	42.9	1.8	39.2	-48.33	9.44	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 25, 2023	2450	50.40	2.44	48.68	-3.40	737	7720	1590
S02	5250	22	20.9	4.44	36	4.71	35.9	-5.73	0.28	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 24, 2023	5250	80.10	3.89	77.62	-3.10	1019	7797	1590
S03	5600	22.2	21	4.81	35.4	5.07	35.5	-5.13	-0.28	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 25, 2023	5600	83.00	4.52	90.19	8.66	1019	7797	1590
S05	5800	22	21.5	5.23	33.5	5.27	35.3	-0.76	-5.10	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 25, 2023	5800	80.20	3.97	79.21	-1.23	1019	7720	1590
S06	5800	22	21.5	5.23	33.5	5.27	35.3	-0.76	-5.10	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 25, 2023	5800	80.20	3.97	79.21	-1.23	1019	7720	1590
S07	2450	22	21.5	0.93	42.9	1.8	39.2	-48.33	9.44	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 25, 2023	2450	50.40	2.44	48.68	-3.40	737	7720	1590
S08	6500	22	20.9	5.83	34	6.07	34.5	-3.95	-1.45	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 24, 2023	6500	289.00	29.5	295.00	2.08	1008	7797	1590
S09	13	22.8	21.6	0.731	55.227	0.75	55	-2.53	0.41	Pass	Pass	Pass	N/A	N/A	N/A	Aug. 09, 2023	13	0.54	0.014	0.56	3.60	1018	7720	1698



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System Performance Check for Incident Power Density Measurement

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 [%]
S08	Jul. 27, 2023	10	9615	1025	4	10.0	53.6	54.8	2.24%

Appendix D. Maximum Target Conducted Power

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

Tune-up Power (Full)							
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	16.0	16.0			
	6	2437	16.0	16.0			
	11	2462	16.0	16.0			
	12	2467	16.0	16.0			
	13	2472	16.0	16.0			
802.11g	1	2412	16.0	16.0			
	6	2437	16.0	16.0			
	11	2462	16.0	16.0			
	12	2467	16.0	16.0			
	13	2472	16.0	16.0			
802.11n HT20	1	2412	16.0	16.0	16.0	16.0	19.0
	6	2437	16.0	16.0	16.0	16.0	19.0
	11	2462	16.0	16.0	16.0	16.0	19.0
	12	2467	16.0	16.0	16.0	16.0	19.0
	13	2472	16.0	16.0	16.0	16.0	19.0
802.11n HT40	3	2422	16.0	16.0	16.0	16.0	19.0
	6	2437	16.0	16.0	16.0	16.0	19.0
	9	2452	16.0	16.0	16.0	16.0	19.0
	10	2457	16.0	16.0	16.0	16.0	19.0
	11	2462	16.0	16.0	16.0	16.0	19.0
802.11ax HE20	1	2412	16.0	16.0	16.0	16.0	19.0
	6	2437	16.0	16.0	16.0	16.0	19.0
	11	2462	16.0	16.0	16.0	16.0	19.0
	12	2467	16.0	16.0	16.0	16.0	19.0
	13	2472	16.0	16.0	16.0	16.0	19.0
802.11ax HE40	3	2422	16.0	16.0	16.0	16.0	19.0
	6	2437	16.0	16.0	16.0	16.0	19.0
	9	2452	16.0	16.0	16.0	16.0	19.0
	10	2457	16.0	16.0	16.0	16.0	19.0
	11	2462	16.0	16.0	16.0	16.0	19.0



Tune-up Power (Full)					
Bluetooth					
Mode	Channel	Frequency		Ant 1 Max Tune-up	
BR / EDR	0	2402		10.5	
	39	2441		10.5	
	78	2480		10.5	
LE	0	2402		10.5	
	19	2440		10.5	
	39	2480		10.5	

Tune-up Power (Full)							
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	16.5	16.5			
	40	5200	16.5	16.5			
	44	5220	16.5	16.5			
	48	5240	16.5	16.5			
802.11n HT20	36	5180	16.5	16.5	16.5	16.5	19.5
	40	5200	16.5	16.5	16.5	16.5	19.5
	44	5220	16.5	16.5	16.5	16.5	19.5
	48	5240	16.5	16.5	16.5	16.5	19.5
802.11n HT40	38	5190	16.5	16.5	16.5	16.5	19.5
	46	5230	16.5	16.5	16.5	16.5	19.5
802.11ac VHT80	42	5210	16.5	16.5	16.5	16.5	19.5
802.11ax HE20	36	5180	16.5	16.5	16.5	16.5	19.5
	40	5200	16.5	16.5	16.5	16.5	19.5
	44	5220	16.5	16.5	16.5	16.5	19.5
	48	5240	16.5	16.5	16.5	16.5	19.5
802.11ax HE40	38	5190	16.5	16.5	16.5	16.5	19.5
	46	5230	16.5	16.5	16.5	16.5	19.5
802.11ax HE80	42	5210	16.5	16.5	16.5	16.5	19.5

Tune-up Power (Full)							
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	16.5	16.5			
	56	5280	16.5	16.5			
	60	5300	16.5	16.5			
	64	5320	16.5	16.5			
802.11n HT20	52	5260	16.5	16.5	16.5	16.5	19.5
	56	5280	16.5	16.5	16.5	16.5	19.5
	60	5300	16.5	16.5	16.5	16.5	19.5
	64	5320	16.5	16.5	16.5	16.5	19.5
802.11n HT40	54	5270	16.5	16.5	16.5	16.5	19.5
	62	5310	16.5	16.5	16.5	16.5	19.5
802.11ac VHT80	58	5290	16.5	16.5	16.5	16.5	19.5
802.11ac VHT160	50	5250	16.5	16.5	16.5	16.5	19.5
802.11ax HE20	52	5260	16.5	16.5	16.5	16.5	19.5
	56	5280	16.5	16.5	16.5	16.5	19.5
	60	5300	16.5	16.5	16.5	16.5	19.5
	64	5320	16.5	16.5	16.5	16.5	19.5
802.11ax HE40	54	5270	16.5	16.5	16.5	16.5	19.5
	62	5310	16.5	16.5	16.5	16.5	19.5
802.11ax HE80	58	5290	16.5	16.5	16.5	16.5	19.5
802.11ax HE160	50	5250	16.5	16.5	16.5	16.5	19.5

Tune-up Power (Full)							
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	16.5	15.0			
	116	5580	16.5	15.0			
	120	5600	16.5	15.0			
	124	5620	16.5	15.0			
	132	5660	16.5	15.0			
	140	5700	16.5	15.0			
	144	5720	16.5	15.0			
802.11n HT20	100	5500	16.5	15.0	16.5	15.0	18.8
	116	5580	16.5	15.0	16.5	15.0	18.8
	120	5600	16.5	15.0	16.5	15.0	18.8
	124	5620	16.5	15.0	16.5	15.0	18.8
	132	5660	16.5	15.0	16.5	15.0	18.8
	140	5700	16.5	15.0	16.5	15.0	18.8
	144	5720	16.5	15.0	16.5	15.0	18.8
802.11n HT40	102	5510	16.5	15.0	16.5	15.0	18.8
	110	5550	16.5	15.0	16.5	15.0	18.8
	118	5590	16.5	15.0	16.5	15.0	18.8
	126	5630	16.5	15.0	16.5	15.0	18.8
	134	5670	16.5	15.0	16.5	15.0	18.8
	142	5710	16.5	15.0	16.5	15.0	18.8
802.11ac VHT80	106	5530	16.5	15.0	16.5	15.0	18.8
	122	5610	16.5	15.0	16.5	15.0	18.8
	138	5690	16.5	15.0	16.5	15.0	18.8
802.11ac VHT160	114	5570	16.5	15.0	16.5	15.0	18.8
802.11ax HE20	100	5500	16.5	15.0	16.5	15.0	18.8
	116	5580	16.5	15.0	16.5	15.0	18.8
	120	5600	16.5	15.0	16.5	15.0	18.8
	124	5620	16.5	15.0	16.5	15.0	18.8
	132	5660	16.5	15.0	16.5	15.0	18.8
	140	5700	16.5	15.0	16.5	15.0	18.8
	144	5720	16.5	15.0	16.5	15.0	18.8
802.11ax HE40	102	5510	16.5	15.0	16.5	15.0	18.8
	110	5550	16.5	15.0	16.5	15.0	18.8
	118	5590	16.5	15.0	16.5	15.0	18.8
	126	5630	16.5	15.0	16.5	15.0	18.8
	134	5670	16.5	15.0	16.5	15.0	18.8
	142	5710	16.5	15.0	16.5	15.0	18.8
802.11ax HE80	106	5530	16.5	15.0	16.5	15.0	18.8
	122	5610	16.5	15.0	16.5	15.0	18.8
	138	5690	16.5	15.0	16.5	15.0	18.8
802.11ax HE160	114	5570	16.5	15.0	16.5	15.0	18.8

Tune-up Power (Full)							
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	16.5	15.0			
	153	5765	16.5	15.0			
	157	5785	16.5	15.0			
	161	5805	16.5	15.0			
	165	5825	16.5	15.0			
802.11n HT20	149	5745	16.5	15.0	16.5	15.0	18.8
	153	5765	16.5	15.0	16.5	15.0	18.8
	157	5785	16.5	15.0	16.5	15.0	18.8
	161	5805	16.5	15.0	16.5	15.0	18.8
	165	5825	16.5	15.0	16.5	15.0	18.8
802.11n HT40	151	5755	16.5	15.0	16.5	15.0	18.8
	159	5795	16.5	15.0	16.5	15.0	18.8
802.11ac VHT80	155	5775	16.5	15.0	16.5	15.0	18.8
802.11ax HE20	149	5745	16.5	15.0	16.5	15.0	18.8
	153	5765	16.5	15.0	16.5	15.0	18.8
	157	5785	16.5	15.0	16.5	15.0	18.8
	161	5805	16.5	15.0	16.5	15.0	18.8
	165	5825	16.5	15.0	16.5	15.0	18.8
802.11ax HE40	151	5755	16.5	15.0	16.5	15.0	18.8
	159	5795	16.5	15.0	16.5	15.0	18.8
802.11ax HE80	155	5775	16.5	15.0	16.5	15.0	18.8

Tune-up Power (Full)							
WLAN 5.9GHz							
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	169	5845	16.5	15.0			
	173	5865	16.5	15.0			
	177	5885	16.5	15.0			
802.11n HT20	169	5845	16.5	15.0	16.5	15.0	18.8
	173	5865	16.5	15.0	16.5	15.0	18.8
	177	5885	16.5	15.0	16.5	15.0	18.8
802.11n HT40	167	5835	16.5	15.0	16.5	15.0	18.8
	175	5875	16.5	15.0	16.5	15.0	18.8
802.11ac VHT80	171	5855	16.5	15.0	16.5	15.0	18.8
802.11ac VHT160	163	5815	16.5	15.0	16.5	15.0	18.8
802.11ax HE20	169	5845	16.5	15.0	16.5	15.0	18.8
	173	5865	16.5	15.0	16.5	15.0	18.8
	177	5885	16.5	15.0	16.5	15.0	18.8
802.11ax HE40	167	5835	16.5	15.0	16.5	15.0	18.8
	175	5875	16.5	15.0	16.5	15.0	18.8
802.11ax HE80	171	5855	16.5	15.0	16.5	15.0	18.8
802.11ax HE160	163	5815	16.5	15.0	16.5	15.0	18.8

Tune-up Power (Full)							
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	13.0	12.0	13.0	12.0	15.5
	5	5975	13.0	12.0	13.0	12.0	15.5
	9	5995	13.0	12.0	13.0	12.0	15.5
	13	6015	13.0	12.0	13.0	12.0	15.5
	17	6035	13.0	12.0	13.0	12.0	15.5
	21	6055	13.0	12.0	13.0	12.0	15.5
	25	6075	13.0	12.0	13.0	12.0	15.5
	29	6095	13.0	12.0	13.0	12.0	15.5
	33	6115	13.0	12.0	13.0	12.0	15.5
	37	6135	13.0	12.0	13.0	12.0	15.5
	41	6155	13.0	12.0	13.0	12.0	15.5
	45	6175	13.0	12.0	13.0	12.0	15.5
	49	6195	13.0	12.0	13.0	12.0	15.5
	53	6215	13.0	12.0	13.0	12.0	15.5
	57	6235	13.0	12.0	13.0	12.0	15.5
	61	6255	13.0	12.0	13.0	12.0	15.5
	65	6275	13.0	12.0	13.0	12.0	15.5
	69	6295	13.0	12.0	13.0	12.0	15.5
	73	6315	13.0	12.0	13.0	12.0	15.5
	77	6335	13.0	12.0	13.0	12.0	15.5
	81	6355	13.0	12.0	13.0	12.0	15.5
	85	6375	13.0	12.0	13.0	12.0	15.5
	89	6395	13.0	12.0	13.0	12.0	15.5
	93	6415	13.0	12.0	13.0	12.0	15.5

Tune-up Power (Full)							
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 HE40	3	5965	13.0	12.0	13.0	12.0	15.5
	11	6005	13.0	12.0	13.0	12.0	15.5
	19	6045	13.0	12.0	13.0	12.0	15.5
	27	6085	13.0	12.0	13.0	12.0	15.5
	35	6125	13.0	12.0	13.0	12.0	15.5
	43	6165	13.0	12.0	13.0	12.0	15.5
	51	6205	13.0	12.0	13.0	12.0	15.5
	59	6245	13.0	12.0	13.0	12.0	15.5
	67	6285	13.0	12.0	13.0	12.0	15.5
	75	6325	13.0	12.0	13.0	12.0	15.5
	83	6365	13.0	12.0	13.0	12.0	15.5
	91	6405	13.0	12.0	13.0	12.0	15.5
802.11ax HE80	7	5985	13.0	12.0	13.0	12.0	15.5
	23	6065	13.0	12.0	13.0	12.0	15.5
	39	6145	13.0	12.0	13.0	12.0	15.5
	55	6225	13.0	12.0	13.0	12.0	15.5
	71	6305	13.0	12.0	13.0	12.0	15.5
	87	6385	13.0	12.0	13.0	12.0	15.5
802.11ax HE160	15	6025	13.0	12.0	13.0	12.0	15.5
	47	6185	13.0	12.0	13.0	12.0	15.5
	79	6345	13.0	12.0	13.0	12.0	15.5

Tune-up Power (Full)							
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	13.0	12.0	13.0	12.0	15.5
	101	6455	13.0	12.0	13.0	12.0	15.5
	105	6475	13.0	12.0	13.0	12.0	15.5
	109	6495	13.0	12.0	13.0	12.0	15.5
	113	6515	13.0	12.0	13.0	12.0	15.5
	117	6535	12.25	12.0	12.25	12.0	15.0
802.11ax HE40	99	6445	13.0	12.0	13.0	12.0	15.5
	107	6485	13.0	12.0	13.0	12.0	15.5
	115	6525	13.0	12.0	13.0	12.0	15.5
802.11ax HE80	103	6465	13.0	12.0	13.0	12.0	15.5
	119	6545	12.25	12.0	12.25	12.0	15.0
802.11ax HE160	111	6505	13.0	12.0	13.0	12.0	15.5

Tune-up Power (Full)							
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	12.25	12.0	12.25	12.0	15.0
	125	6575	12.25	12.0	12.25	12.0	15.0
	129	6595	12.25	12.0	12.25	12.0	15.0
	133	6615	12.25	12.0	12.25	12.0	15.0
	137	6635	12.25	12.0	12.25	12.0	15.0
	141	6655	12.25	12.0	12.25	12.0	15.0
	145	6675	12.25	12.0	12.25	12.0	15.0
	149	6695	12.25	12.0	12.25	12.0	15.0
	153	6715	12.25	12.0	12.25	12.0	15.0
	157	6735	12.25	12.0	12.25	12.0	15.0
	161	6755	12.25	12.0	12.25	12.0	15.0
	165	6775	12.25	12.0	12.25	12.0	15.0
	169	6795	12.25	12.0	12.25	12.0	15.0
	173	6815	12.25	12.0	12.25	12.0	15.0
	177	6835	12.25	12.0	12.25	12.0	15.0
	181	6855	12.25	12.0	12.25	12.0	15.0
	185	6875	12.25	12.0	12.25	12.0	15.0
802.11ax HE40	123	6565	12.25	12.0	12.25	12.0	15.0
	131	6605	12.25	12.0	12.25	12.0	15.0
	139	6645	12.25	12.0	12.25	12.0	15.0
	147	6685	12.25	12.0	12.25	12.0	15.0
	155	6725	12.25	12.0	12.25	12.0	15.0
	163	6765	12.25	12.0	12.25	12.0	15.0
	171	6805	12.25	12.0	12.25	12.0	15.0
	179	6845	12.25	12.0	12.25	12.0	15.0
	187	6885	12.25	12.0	12.25	12.0	15.0
802.11ax HE80	135	6625	12.25	12.0	12.25	12.0	15.0
	151	6705	12.25	12.0	12.25	12.0	15.0
	167	6785	12.25	12.0	12.25	12.0	15.0
	183	6865	12.25	12.0	12.25	12.0	15.0
802.11ax HE160	143	6665	12.25	12.0	12.25	12.0	15.0
	175	6825	12.25	12.0	12.25	12.0	15.0

Tune-up Power (Full)							
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	12.25	12.0	12.25	12.0	15.0
	193	6915	12.25	12.0	12.25	12.0	15.0
	197	6935	12.25	12.0	12.25	12.0	15.0
	201	6955	12.25	12.0	12.25	12.0	15.0
	205	6975	12.25	12.0	12.25	12.0	15.0
	209	6995	12.25	12.0	12.25	12.0	15.0
	213	7015	12.25	12.0	12.25	12.0	15.0
	217	7035	12.25	12.0	12.25	12.0	15.0
	221	7055	12.25	12.0	12.25	12.0	15.0
	225	7075	12.25	12.0	12.25	12.0	15.0
	229	7095	12.25	12.0	12.25	12.0	15.0
	233	7115	12.25	12.0	12.25	12.0	15.0
802.11ax HE40	195	6925	12.25	12.0	12.25	12.0	15.0
	203	6965	12.25	12.0	12.25	12.0	15.0
	211	7005	12.25	12.0	12.25	12.0	15.0
	219	7045	12.25	12.0	12.25	12.0	15.0
	227	7085	12.25	12.0	12.25	12.0	15.0
802.11ax HE80	199	6945	12.25	12.0	12.25	12.0	15.0
	215	7025	12.25	12.0	12.25	12.0	15.0
802.11ax HE160	207	6985	12.25	12.0	12.25	12.0	15.0

Tune-up Power (P-sensor ON)			
WLAN 5.2GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	36	5180	11.0
	40	5200	11.0
	44	5220	11.0
	48	5240	11.0
802.11n HT20	36	5180	11.0
	40	5200	11.0
	44	5220	11.0
	48	5240	11.0
802.11n HT40	38	5190	11.0
	46	5230	11.0
802.11ac VHT80	42	5210	11.0
802.11ax HE20	36	5180	11.0
	40	5200	11.0
	44	5220	11.0
	48	5240	11.0
802.11ax HE40	38	5190	11.0
	46	5230	11.0
802.11ax HE80	42	5210	11.0

Tune-up Power (P-sensor ON)			
WLAN 5.3GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	52	5260	11.0
	56	5280	11.0
	60	5300	11.0
	64	5320	11.0
802.11n HT20	52	5260	11.0
	56	5280	11.0
	60	5300	11.0
	64	5320	11.0
802.11n HT40	54	5270	11.0
	62	5310	11.0
802.11ac VHT80	58	5290	11.0
802.11ac VHT160	50	5250	11.0
802.11ax HE20	52	5260	11.0
	56	5280	11.0
	60	5300	11.0
	64	5320	11.0
802.11ax HE40	54	5270	11.0
	62	5310	11.0
802.11ax HE80	58	5290	11.0
802.11ax HE160	50	5250	11.0

Tune-up Power (P-sensor ON)			
WLAN 5.6GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	100	5500	11.0
	116	5580	11.0
	120	5600	11.0
	124	5620	11.0
	132	5660	11.0
	140	5700	11.0
	144	5720	11.0
802.11n HT20	100	5500	11.0
	116	5580	11.0
	120	5600	11.0
	124	5620	11.0
	132	5660	11.0
	140	5700	11.0
	144	5720	11.0
802.11n HT40	102	5510	11.0
	110	5550	11.0
	118	5590	11.0
	126	5630	11.0
	134	5670	11.0
	142	5710	11.0
802.11ac VHT80	106	5530	11.0
	122	5610	11.0
	138	5690	11.0
802.11ac VHT160	114	5570	11.0
802.11ax HE20	100	5500	11.0
	116	5580	11.0
	120	5600	11.0
	124	5620	11.0
	132	5660	11.0
	140	5700	11.0
	144	5720	11.0
802.11ax HE40	102	5510	11.0
	110	5550	11.0
	118	5590	11.0
	126	5630	11.0
	134	5670	11.0
	142	5710	11.0
802.11ax HE80	106	5530	11.0
	122	5610	11.0
	138	5690	11.0
802.11ax HE160	114	5570	11.0

Tune-up Power (P-sensor ON)			
WLAN 5.8GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	149	5745	11.0
	153	5765	11.0
	157	5785	11.0
	161	5805	11.0
	165	5825	11.0
802.11n HT20	149	5745	11.0
	153	5765	11.0
	157	5785	11.0
	161	5805	11.0
	165	5825	11.0
802.11n HT40	151	5755	11.0
	159	5795	11.0
802.11ac VHT80	155	5775	11.0
802.11ax HE20	149	5745	11.0
	153	5765	11.0
	157	5785	11.0
	161	5805	11.0
	165	5825	11.0
802.11ax HE40	151	5755	11.0
	159	5795	11.0
802.11ax HE80	155	5775	11.0

Tune-up Power (P-sensor ON)			
WLAN 5.9GHz			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11a	169	5845	11.0
	173	5865	11.0
	177	5885	11.0
802.11n HT20	169	5845	11.0
	173	5865	11.0
	177	5885	11.0
802.11n HT40	167	5835	11.0
	175	5875	11.0
802.11ac VHT80	171	5855	11.0
802.11ac VHT160	163	5815	11.0
802.11ax HE20	169	5845	11.0
	173	5865	11.0
	177	5885	11.0
802.11ax HE40	167	5835	11.0
	175	5875	11.0
802.11ax HE80	171	5855	11.0
802.11ax HE160	163	5815	11.0

Tune-up Power (P-sensor ON)			
UNII-5			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11ax HE20	1	5955	12.0
	5	5975	12.0
	9	5995	12.0
	13	6015	12.0
	17	6035	12.0
	21	6055	12.0
	25	6075	12.0
	29	6095	12.0
	33	6115	12.0
	37	6135	12.0
	41	6155	12.0
	45	6175	12.0
	49	6195	12.0
	53	6215	12.0
	57	6235	12.0
	61	6255	12.0
	65	6275	12.0
	69	6295	12.0
	73	6315	12.0
	77	6335	12.0
	81	6355	12.0
	85	6375	12.0
	89	6395	12.0
	93	6415	12.0

Tune-up Power (P-sensor ON)			
UNII-5			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11ax HE40	3	5965	12.0
	11	6005	12.0
	19	6045	12.0
	27	6085	12.0
	35	6125	12.0
	43	6165	12.0
	51	6205	12.0
	59	6245	12.0
	67	6285	12.0
	75	6325	12.0
	83	6365	12.0
	91	6405	12.0
802.11ax HE80	7	5985	12.0
	23	6065	12.0
	39	6145	12.0
	55	6225	12.0
	71	6305	12.0
	87	6385	12.0
802.11ax HE160	15	6025	12.0
	47	6185	12.0
	79	6345	12.0

Tune-up Power (P-sensor ON)			
UNII-6			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11ax HE20	97	6435	12.0
	101	6455	12.0
	105	6475	12.0
	109	6495	12.0
	113	6515	12.0
	117	6535	12.0
802.11ax HE40	99	6445	12.0
	107	6485	12.0
	115	6525	12.0
802.11ax HE80	103	6465	12.0
	119	6545	12.0
802.11ax HE160	111	6505	12.0

Tune-up Power (P-sensor ON)			
UNII-7			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11ax HE20	121	6555	12.0
	125	6575	12.0
	129	6595	12.0
	133	6615	12.0
	137	6635	12.0
	141	6655	12.0
	145	6675	12.0
	149	6695	12.0
	153	6715	12.0
	157	6735	12.0
	161	6755	12.0
	165	6775	12.0
	169	6795	12.0
	173	6815	12.0
	177	6835	12.0
	181	6855	12.0
	185	6875	12.0
802.11ax HE40	123	6565	12.0
	131	6605	12.0
	139	6645	12.0
	147	6685	12.0
	155	6725	12.0
	163	6765	12.0
	171	6805	12.0
	179	6845	12.0
	187	6885	12.0
802.11ax HE80	135	6625	12.0
	151	6705	12.0
	167	6785	12.0
	183	6865	12.0
802.11ax HE160	143	6665	12.0
	175	6825	12.0

Tune-up Power (P-sensor ON)			
UNII-8			
Mode	Channel	Frequency	SISO Ant 0 Max Tune up
802.11ax HE20	189	6895	12.0
	193	6915	12.0
	197	6935	12.0
	201	6955	12.0
	205	6975	12.0
	209	6995	12.0
	213	7015	12.0
	217	7035	12.0
	221	7055	12.0
	225	7075	12.0
	229	7095	12.0
	233	7115	12.0
802.11ax HE40	195	6925	12.0
	203	6965	12.0
	211	7005	12.0
	219	7045	12.0
	227	7085	12.0
802.11ax HE80	199	6945	12.0
	215	7025	12.0
802.11ax HE160	207	6985	12.0

Appendix E. Measured Conducted Power Result

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

Conducted Power (Full)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	15.93
	6	2437	15.98
	11	2462	15.91
	12	2467	15.97
	13	2472	15.96
802.11g	1	2412	15.51
	6	2437	15.77
	11	2462	15.64
	12	2467	15.54
	13	2472	15.75
802.11n HT20	1	2412	15.68
	6	2437	15.74
	11	2462	15.75
	12	2467	15.58
	13	2472	15.54
802.11n HT40	3	2422	15.62
	6	2437	15.69
	9	2452	15.67
	10	2457	15.65
	11	2462	15.61
802.11ax HE20	1	2412	15.64
	6	2437	15.58
	11	2462	15.52
	12	2467	15.54
	13	2472	15.54
802.11ax HE40	3	2422	15.76
	6	2437	15.76
	9	2452	15.54
	10	2457	15.77
	11	2462	15.53

Conducted Power (Full)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	15.91
	6	2437	15.98
	11	2462	15.92
	12	2467	15.91
	13	2472	15.97
802.11g	1	2412	15.48
	6	2437	15.64
	11	2462	15.62
	12	2467	15.55
	13	2472	15.69
802.11n HT20	1	2412	15.78
	6	2437	15.51
	11	2462	15.75
	12	2467	15.58
	13	2472	15.73
802.11n HT40	3	2422	15.73
	6	2437	15.72
	9	2452	15.52
	10	2457	15.64
	11	2462	15.71
802.11ax HE20	1	2412	15.68
	6	2437	15.67
	11	2462	15.57
	12	2467	15.76
	13	2472	15.64
802.11ax HE40	3	2422	15.71
	6	2437	15.61
	9	2452	15.72
	10	2457	15.69
	11	2462	15.72

Conducted Power (Full)					
WLAN2.4GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11b					
802.11g					
802.11n HT20	1	2412	15.59	15.49	18.55
	6	2437	15.59	15.77	18.69
	11	2462	15.72	15.75	18.75
	12	2467	15.76	15.53	18.66
	13	2472	15.74	15.71	18.74
802.11n HT40	3	2422	15.97	15.89	18.94
	6	2437	15.99	15.94	18.98
	9	2452	15.89	15.91	18.91
	10	2457	15.96	15.95	18.97
	11	2462	15.95	15.95	18.96
802.11ax HE20	1	2412	15.72	15.67	18.71
	6	2437	15.62	15.61	18.63
	11	2462	15.62	15.69	18.67
	12	2467	15.68	15.55	18.63
	13	2472	15.7	15.51	18.62
802.11ax HE40	3	2422	15.62	15.53	18.59
	6	2437	15.75	15.51	18.64
	9	2452	15.65	15.59	18.63
	10	2457	15.76	15.44	18.61
	11	2462	15.57	15.64	18.62

Conducted Power (Full)			
Bluetooth Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	9.41
	39	2441	9.66
	78	2480	9.67
LE	0	2402	9.22
	19	2440	9.28
	39	2480	9.32

Conducted Power (Full)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	16.16
	40	5200	16.18
	44	5220	16.09
	48	5240	15.99
802.11n HT20	36	5180	16.21
	40	5200	16.09
	44	5220	16.26
	48	5240	16.14
802.11n HT40	38	5190	16.05
	46	5230	16.18
802.11ac VHT80	42	5210	16.12
802.11ax HE20	36	5180	16.24
	40	5200	16.23
	44	5220	16.02
	48	5240	16.01
802.11ax HE40	38	5190	16.06
	46	5230	16.18
802.11ax HE80	42	5210	15.98

Conducted Power (Full)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	16.21
	40	5200	16.11
	44	5220	16.01
	48	5240	16.12
802.11n HT20	36	5180	16.15
	40	5200	16.09
	44	5220	16.11
	48	5240	16.22
802.11n HT40	38	5190	16.11
	46	5230	16.15
802.11ac VHT80	42	5210	16.07
802.11ax HE20	36	5180	16.04
	40	5200	16.21
	44	5220	16.14
	48	5240	16.17
802.11ax HE40	38	5190	16.17
	46	5230	15.99
802.11ax HE80	42	5210	16.15

Conducted Power (Full)					
WLAN 5.2GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a					
802.11n HT20	36	5180	16.21	16.12	19.18
	40	5200	16.06	16.18	19.13
	44	5220	15.94	16.02	18.99
	48	5240	16.21	15.95	19.09
802.11n HT40	38	5190	16.15	15.94	19.06
	46	5230	15.91	16.15	19.04
802.11ac VHT80	42	5210	16.14	15.99	19.08
802.11ax HE20	36	5180	15.98	15.91	18.96
	40	5200	16.19	16.18	19.2
	44	5220	16.13	16.11	19.13
	48	5240	16.02	16.13	19.09
802.11ax HE40	38	5190	16.11	16.13	19.13
	46	5230	16.18	16.02	19.11
802.11ax HE80	42	5210	16.15	15.92	19.05

Conducted Power (Full)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	16.04
	56	5280	16.27
	60	5300	16.01
	64	5320	16.02
802.11n HT20	52	5260	16.17
	56	5280	16.17
	60	5300	16.11
	64	5320	16.01
802.11n HT40	54	5270	16.12
	62	5310	16.06
802.11ac VHT80	58	5290	16.18
802.11ac VHT160	50	5250	16.47
802.11ax HE20	52	5260	16.24
	56	5280	16.15
	60	5300	16.13
	64	5320	15.99
802.11ax HE40	54	5270	16.03
	62	5310	15.99
802.11ax HE80	58	5290	16.19
802.11ax HE160	50	5250	16.27

Conducted Power (Full)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	16.08
	56	5280	16.22
	60	5300	16.27
	64	5320	15.97
802.11n HT20	52	5260	15.97
	56	5280	16.09
	60	5300	16.03
	64	5320	16.08
802.11n HT40	54	5270	16.23
	62	5310	16.14
802.11ac VHT80	58	5290	15.98
802.11ac VHT160	50	5250	16.46
802.11ax HE20	52	5260	15.99
	56	5280	15.97
	60	5300	15.97
	64	5320	16.16
802.11ax HE40	54	5270	16.19
	62	5310	16.02
802.11ax HE80	58	5290	16.21
802.11ax HE160	50	5250	16.04

Conducted Power (Full)					
WLAN 5.3GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a					
802.11n HT20	52	5260	15.97	15.95	18.97
	56	5280	16.17	16.01	19.1
	60	5300	16.06	15.93	19.01
	64	5320	16.01	16.13	19.08
802.11n HT40	54	5270	16.05	15.98	19.03
	62	5310	16.09	15.91	19.01
802.11ac VHT80	58	5290	15.97	16.13	19.06
802.11ac VHT160	50	5250	16.41	16.49	19.46
802.11ax HE20	52	5260	16.15	16.06	19.12
	56	5280	15.99	16.01	19.01
	60	5300	16.19	15.91	19.06
	64	5320	15.97	16.19	19.09
802.11ax HE40	54	5270	16.05	15.98	19.03
	62	5310	16.01	16.21	19.12
802.11ax HE80	58	5290	16.15	16.16	19.17
802.11ax HE160	50	5250	16.18	16.17	19.19

Conducted Power (Full)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	16.08
	116	5580	16.23
	120	5600	15.96
	124	5620	15.95
	132	5660	16.09
	140	5700	16.23
	144	5720	16.12
802.11n HT20	100	5500	16.13
	116	5580	16.05
	120	5600	16.07
	124	5620	15.98
	132	5660	16.24
	140	5700	16.18
	144	5720	16.08
802.11n HT40	102	5510	16.17
	110	5550	16.19
	118	5590	16.19
	126	5630	15.98
	134	5670	16.03
	142	5710	16.05
	106	5530	16.45
802.11ac VHT80	122	5610	16.39
	138	5690	16.44
802.11ac VHT160	114	5570	16.46
802.11ax HE20	100	5500	16.25
	116	5580	16.21
	120	5600	16.11
	124	5620	15.95
	132	5660	16.21
	140	5700	16.05
	144	5720	16.22
802.11ax HE40	102	5510	16.07
	110	5550	16.04
	118	5590	16.18
	126	5630	15.95
	134	5670	16.19
	142	5710	16.03
	106	5530	16.14
802.11ax HE80	122	5610	16.22
	138	5690	16.23
802.11ax HE160	114	5570	15.98

Conducted Power (Full)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	14.76
	116	5580	14.59
	120	5600	14.66
	124	5620	14.47
	132	5660	14.62
	140	5700	14.58
	144	5720	14.76
802.11n HT20	100	5500	14.67
	116	5580	14.74
	120	5600	14.47
	124	5620	14.64
	132	5660	14.62
	140	5700	14.59
	144	5720	14.58
802.11n HT40	102	5510	14.52
	110	5550	14.56
	118	5590	14.6
	126	5630	14.53
	134	5670	14.49
	142	5710	14.54
	144	5720	14.58
802.11ac VHT80	106	5530	14.98
	122	5610	14.93
	138	5690	14.92
802.11ac VHT160	114	5570	14.99
802.11ax HE20	100	5500	14.68
	116	5580	14.66
	120	5600	14.62
	124	5620	14.46
	132	5660	14.62
	140	5700	14.62
	144	5720	14.67
802.11ax HE40	102	5510	14.72
	110	5550	14.6
	118	5590	14.62
	126	5630	14.73
	134	5670	14.46
	142	5710	14.59
	144	5720	14.58
802.11ax HE80	106	5530	14.76
	122	5610	14.6
	138	5690	14.72
802.11ax HE160	114	5570	14.72

Conducted Power (Full)					
WLAN 5.6GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a					
802.11n HT20	100	5500	16.08	14.55	18.39
	116	5580	16.24	14.62	18.52
	120	5600	16.02	14.48	18.33
	124	5620	16.23	14.45	18.44
	132	5660	16.14	14.53	18.42
	140	5700	16.14	14.51	18.41
	144	5720	16.04	14.65	18.41
802.11n HT40	102	5510	16.01	14.45	18.31
	110	5550	16.17	14.45	18.4
	118	5590	16.23	14.53	18.47
	126	5630	16.18	14.59	18.47
	134	5670	16.09	14.48	18.37
	142	5710	15.96	14.61	18.35
802.11ac VHT80	106	5530	16.41	14.86	18.71
	122	5610	16.32	14.62	18.56
	138	5690	16.41	14.67	18.64
802.11ac VHT160	114	5570	16.49	14.85	18.76
802.11ax HE20	100	5500	15.97	14.55	18.33
	116	5580	16.06	14.47	18.35
	120	5600	16.25	14.61	18.52
	124	5620	16.05	14.52	18.36
	132	5660	16.05	14.58	18.39
	140	5700	15.98	14.52	18.32
	144	5720	16.21	14.46	18.43
802.11ax HE40	102	5510	16.13	14.46	18.39
	110	5550	16.24	14.46	18.45
	118	5590	16.02	14.52	18.34
	126	5630	16.12	14.47	18.38
	134	5670	16.12	14.44	18.37
	142	5710	16.24	14.61	18.51
802.11ax HE80	106	5530	15.97	14.37	18.25
	122	5610	15.95	14.41	18.26
	138	5690	15.98	14.37	18.26
802.11ax HE160	114	5570	16.04	14.54	18.36

Conducted Power (Full)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	16.09
	153	5765	16.07
	157	5785	16.16
	161	5805	15.95
	165	5825	16.16
802.11n HT20	149	5745	16.14
	153	5765	16.06
	157	5785	15.97
	161	5805	16.18
	165	5825	16.16
802.11n HT40	151	5755	16.06
	159	5795	16.06
802.11ac VHT80	155	5775	16.47
802.11ax HE20	149	5745	16.11
	153	5765	15.95
	157	5785	16.19
	161	5805	16.15
	165	5825	16.24
802.11ax HE40	151	5755	16.05
	159	5795	16.14
802.11ax HE80	155	5775	16.24

Conducted Power (Full)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	14.74
	153	5765	14.64
	157	5785	14.54
	161	5805	14.57
	165	5825	14.62
802.11n HT20	149	5745	14.68
	153	5765	14.64
	157	5785	14.62
	161	5805	14.64
	165	5825	14.48
802.11n HT40	151	5755	14.72
	159	5795	14.76
802.11ac VHT80	155	5775	14.94
802.11ax HE20	149	5745	14.47
	153	5765	14.65
	157	5785	14.69
	161	5805	14.6
	165	5825	14.54
802.11ax HE40	151	5755	14.46
	159	5795	14.59
802.11ax HE80	155	5775	14.67

Conducted Power (Full)					
WLAN 5.8GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a					
802.11n HT20	149	5745	16.01	14.67	18.4
	153	5765	15.95	14.65	18.36
	157	5785	15.94	14.71	18.38
	161	5805	15.95	14.51	18.3
	165	5825	15.94	14.49	18.29
802.11n HT40	151	5755	15.96	14.61	18.35
	159	5795	15.95	14.52	18.3
802.11ac VHT80	155	5775	16.46	14.99	18.8
802.11ax HE20	149	5745	16.01	14.45	18.31
	153	5765	16.14	14.57	18.44
	157	5785	16.19	14.56	18.46
	161	5805	16.12	14.55	18.42
	165	5825	16.04	14.49	18.34
802.11ax HE40	151	5755	16.11	14.67	18.46
	159	5795	15.96	14.47	18.29
802.11ax HE80	155	5775	16.03	14.54	18.36

Conducted Power (Full)			
WLAN 5.9GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	169	5845	16.01
	173	5865	16.03
	177	5885	15.98
802.11n HT20	169	5845	16.23
	173	5865	16.12
	177	5885	15.97
802.11n HT40	167	5835	16.13
	175	5875	16.13
802.11ac VHT80	171	5855	16.11
802.11ac VHT160	163	5815	16.45
802.11ax HE20	169	5845	15.96
	173	5865	16.08
	177	5885	16.02
802.11ax HE40	167	5835	15.95
	175	5875	16.24
802.11ax HE80	171	5855	16.11
802.11ax HE160	163	5815	16.16

Conducted Power (Full)			
WLAN 5.9GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	169	5845	14.61
	173	5865	14.48
	177	5885	14.58
802.11n HT20	169	5845	14.57
	173	5865	14.7
	177	5885	14.49
802.11n HT40	167	5835	14.57
	175	5875	14.52
802.11ac VHT80	171	5855	14.63
802.11ac VHT160	163	5815	14.95
802.11ax HE20	169	5845	14.65
	173	5865	14.66
	177	5885	14.62
802.11ax HE40	167	5835	14.57
	175	5875	14.59
802.11ax HE80	171	5855	14.54
802.11ax HE160	163	5815	14.59

Conducted Power (Full)					
WLAN 5.9GHz Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11a					
802.11n HT20	169	5845	15.95	14.49	18.29
	173	5865	16.04	14.63	18.4
	177	5885	16.22	14.55	18.48
802.11n HT40	167	5835	16.05	14.57	18.38
	175	5875	16.12	14.47	18.38
802.11ac VHT80	171	5855	16.19	14.68	18.51
802.11ac VHT160	163	5815	16.47	14.99	18.8
802.11ax HE20	169	5845	16.13	14.73	18.5
	173	5865	16.05	14.71	18.44
	177	5885	16.22	14.55	18.48
802.11ax HE40	167	5835	16.1	14.51	18.39
	175	5875	16.03	14.66	18.41
802.11ax HE80	171	5855	16.02	14.65	18.4
802.11ax HE160	163	5815	16.25	14.48	18.46

Conducted Power (Full)			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	1	5955	12.69
	5	5975	12.44
	9	5995	12.57
	13	6015	12.51
	17	6035	12.43
	21	6055	12.58
	25	6075	12.69
	29	6095	12.52
	33	6115	12.5
	37	6135	12.66
	41	6155	12.68
	45	6175	12.64
	49	6195	12.66
	53	6215	12.56
	57	6235	12.68
	61	6255	12.59
	65	6275	12.46
	69	6295	12.63
	73	6315	12.57
	77	6335	12.45
	81	6355	12.55
	85	6375	12.48
	89	6395	12.73
	93	6415	12.69

Conducted Power (Full)			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE40	3	5965	12.63
	11	6005	12.61
	19	6045	12.71
	27	6085	12.61
	35	6125	12.66
	43	6165	12.46
	51	6205	12.67
	59	6245	12.63
	67	6285	12.67
	75	6325	12.57
	83	6365	12.55
	91	6405	12.68
802.11ax HE80	7	5985	12.62
	23	6065	12.54
	39	6145	12.69
	55	6225	12.73
	71	6305	12.68
	87	6385	12.57
802.11ax HE160	15	6025	12.93
	47	6185	12.87
	79	6345	12.89

Conducted Power (Full)			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	1	5955	11.72
	5	5975	11.72
	9	5995	11.83
	13	6015	11.74
	17	6035	11.84
	21	6055	11.67
	25	6075	11.92
	29	6095	11.92
	33	6115	11.91
	37	6135	11.66
	41	6155	11.82
	45	6175	11.87
	49	6195	11.81
	53	6215	11.82
	57	6235	11.8
	61	6255	11.81
	65	6275	11.63
	69	6295	11.71
	73	6315	11.89
	77	6335	11.66
	81	6355	11.8
	85	6375	11.92
	89	6395	11.65
	93	6415	11.92

Conducted Power (Full)			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE40	3	5965	11.71
	11	6005	11.61
	19	6045	11.48
	27	6085	11.48
	35	6125	11.66
	43	6165	11.65
	51	6205	11.45
	59	6245	11.46
	67	6285	11.51
	75	6325	11.71
	83	6365	11.63
	91	6405	11.67
802.11ax HE80	7	5985	11.62
	23	6065	11.52
	39	6145	11.43
	55	6225	11.73
	71	6305	11.54
	87	6385	11.46
802.11ax HE160	15	6025	11.96
	47	6185	11.87
	79	6345	11.86

Conducted Power (Full)					
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 HE20	1	5955	12.45	11.72	15.11
	5	5975	12.68	11.54	15.16
	9	5995	12.52	11.62	15.1
	13	6015	12.57	11.49	15.07
	17	6035	12.61	11.71	15.19
	21	6055	12.59	11.61	15.14
	25	6075	12.72	11.43	15.13
	29	6095	12.57	11.64	15.14
	33	6115	12.61	11.46	15.08
	37	6135	12.53	11.56	15.08
	41	6155	12.64	11.71	15.21
	45	6175	12.68	11.68	15.22
	49	6195	12.65	11.61	15.17
	53	6215	12.48	11.61	15.08
	57	6235	12.44	11.62	15.06
	61	6255	12.52	11.61	15.1
	65	6275	12.45	11.46	14.99
	69	6295	12.44	11.51	15.01
	73	6315	12.63	11.72	15.21
	77	6335	12.59	11.62	15.14
	81	6355	12.59	11.55	15.11
	85	6375	12.43	11.59	15.04
	89	6395	12.71	11.43	15.13
	93	6415	12.47	11.61	15.07

Conducted Power (Full)					
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 HE40	3	5965	12.51	11.53	15.06
	11	6005	12.67	11.62	15.19
	19	6045	12.59	11.45	15.07
	27	6085	12.64	11.54	15.14
	35	6125	12.55	11.62	15.12
	43	6165	12.48	11.38	14.98
	51	6205	12.72	11.37	15.11
	59	6245	12.71	11.58	15.19
	67	6285	12.63	11.41	15.07
	75	6325	12.51	11.52	15.05
	83	6365	12.64	11.56	15.14
	91	6405	12.66	11.63	15.19
802.11ax HE80	7	5985	12.48	11.48	15.02
	23	6065	12.48	11.51	15.03
	39	6145	12.51	11.46	15.03
	55	6225	12.58	11.45	15.06
	71	6305	12.44	11.38	14.95
	87	6385	12.53	11.43	15.03
802.11ax HE160	15	6025	12.97	11.88	15.47
	47	6185	12.96	11.83	15.44
	79	6345	12.81	11.75	15.32

Conducted Power (Full)			
UNII-6 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	97	6435	12.43
	101	6455	12.56
	105	6475	12.61
	109	6495	12.48
	113	6515	12.43
	117	6535	12.02
802.11ax HE40	99	6445	12.42
	107	6485	12.53
	115	6525	12.61
802.11ax HE80	103	6465	12.54
	119	6545	12.07
802.11ax HE160	111	6505	12.82

Conducted Power (Full)			
UNII-6 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	97	6435	11.48
	101	6455	11.39
	105	6475	11.55
	109	6495	11.38
	113	6515	11.51
	117	6535	11.09
802.11ax HE40	99	6445	11.42
	107	6485	11.38
	115	6525	11.39
802.11ax HE80	103	6465	11.53
	119	6545	11.08
802.11ax HE160	111	6505	11.87

Conducted Power (Full)					
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 HE20	97	6435	12.34	11.62	15.01
	101	6455	12.58	11.58	15.12
	105	6475	12.61	11.35	15.04
	109	6495	12.54	11.53	15.07
	113	6515	12.32	11.37	14.88
	117	6535	12.01	11.03	14.56
802.11ax HE40	99	6445	12.39	11.6	15.02
	107	6485	12.46	11.45	14.99
	115	6525	12.36	11.5	14.96
802.11ax HE80	103	6465	12.42	11.54	15.01
	119	6545	12.04	11.06	14.59
802.11ax HE160	111	6505	12.95	11.91	15.47

Conducted Power (Full)			
UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	121	6555	12.03
	125	6575	11.83
	129	6595	12.01
	133	6615	11.74
	137	6635	12.02
	141	6655	11.94
	145	6675	11.83
	149	6695	11.79
	153	6715	11.78
	157	6735	12.01
	161	6755	11.91
	165	6775	12.02
	169	6795	11.83
	173	6815	11.93
	177	6835	11.81
	181	6855	11.86
	185	6875	11.93
802.11ax HE40	123	6565	11.81
	131	6605	11.89
	139	6645	11.99
	147	6685	11.84
	155	6725	11.82
	163	6765	11.81
	171	6805	12.01
	179	6845	11.84
802.11ax HE80	187	6885	11.91
	135	6625	11.98
	151	6705	11.95
	167	6785	11.81
802.11ax HE160	183	6865	11.98
	143	6665	12.13
	175	6825	12.23

Conducted Power (Full)			
UNII-7 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	121	6555	11.72
	125	6575	11.48
	129	6595	11.54
	133	6615	11.48
	137	6635	11.44
	141	6655	11.64
	145	6675	11.56
	149	6695	11.64
	153	6715	11.67
	157	6735	11.56
	161	6755	11.59
	165	6775	11.71
	169	6795	11.69
	173	6815	11.43
	177	6835	11.52
	181	6855	11.48
	185	6875	11.59
802.11ax HE40	123	6565	11.46
	131	6605	11.46
	139	6645	11.47
	147	6685	11.53
	155	6725	11.68
	163	6765	11.59
	171	6805	11.62
	179	6845	11.61
802.11ax HE80	187	6885	11.56
	135	6625	11.46
	151	6705	11.61
	167	6785	11.45
802.11ax HE160	183	6865	11.46
	143	6665	11.87
	175	6825	11.94

Conducted Power (Full)					
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 HE20	121	6555	12.01	11.41	14.73
	125	6575	11.82	11.38	14.62
	129	6595	11.77	11.16	14.49
	133	6615	11.75	11.15	14.47
	137	6635	11.76	11.34	14.57
	141	6655	11.81	11.25	14.55
	145	6675	12.01	11.15	14.61
	149	6695	11.94	11.31	14.65
	153	6715	11.81	11.31	14.58
	157	6735	12.01	11.41	14.73
	161	6755	11.96	11.39	14.69
	165	6775	11.98	11.16	14.6
	169	6795	11.88	11.41	14.66
	173	6815	11.94	11.29	14.64
	177	6835	11.88	11.15	14.54
	181	6855	11.83	11.43	14.64
	185	6875	12.01	11.22	14.64
802.11ax HE40	123	6565	12.01	11.21	14.64
	131	6605	11.75	11.39	14.58
	139	6645	11.79	11.35	14.59
	147	6685	11.99	11.37	14.7
	155	6725	11.94	11.32	14.65
	163	6765	11.74	11.13	14.46
	171	6805	11.95	11.25	14.62
	179	6845	11.91	11.31	14.63
802.11ax HE80	187	6885	11.75	11.34	14.56
	135	6625	12.03	11.42	14.75
	151	6705	11.95	11.15	14.58
	167	6785	12.02	11.15	14.62
802.11ax HE160	183	6865	12.01	11.24	14.65
	143	6665	12.17	11.09	14.67
	175	6825	12.24	11.62	14.95

Conducted Power (Full)			
UNII-8 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	189	6895	11.81
	193	6915	11.87
	197	6935	11.84
	201	6955	11.99
	205	6975	11.95
	209	6995	11.82
	213	7015	11.99
	217	7035	11.75
	221	7055	11.78
	225	7075	11.88
	229	7095	11.92
	233	7115	11.82
802.11ax HE40	195	6925	11.97
	203	6965	11.81
	211	7005	12.01
	219	7045	12.01
	227	7085	11.74
802.11ax HE80	199	6945	11.99
	215	7025	11.78
802.11ax HE160	207	6985	12.18

Conducted Power (Full)			
UNII-8 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	189	6895	11.68
	193	6915	11.61
	197	6935	11.68
	201	6955	11.79
	205	6975	11.64
	209	6995	11.58
	213	7015	11.66
	217	7035	11.71
	221	7055	11.61
	225	7075	11.75
	229	7095	11.68
	233	7115	11.64
802.11ax HE40	195	6925	11.62
	203	6965	11.74
	211	7005	11.83
	219	7045	11.57
	227	7085	11.63
802.11ax HE80	199	6945	11.64
	215	7025	11.61
802.11ax HE160	207	6985	11.91

Conducted Power (Full)					
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 HE20	189	6895	11.95	11.87	14.92
	193	6915	11.97	11.75	14.87
	197	6935	11.75	11.81	14.79
	201	6955	11.85	11.75	14.81
	205	6975	11.74	11.91	14.84
	209	6995	11.74	11.73	14.75
	213	7015	11.77	11.69	14.74
	217	7035	11.89	11.84	14.88
	221	7055	12.03	11.81	14.93
	225	7075	11.83	11.77	14.81
	229	7095	11.89	11.75	14.83
	233	7115	11.91	11.81	14.87
802.11ax HE40	195	6925	11.81	11.92	14.88
	203	6965	11.92	11.91	14.93
	211	7005	11.82	11.85	14.85
	219	7045	11.86	11.82	14.85
	227	7085	11.74	11.64	14.7
802.11ax HE80	199	6945	11.88	11.68	14.79
	215	7025	11.99	11.72	14.87
802.11ax HE160	207	6985	12.16	11.73	14.96

Conducted Power (P-sensor ON)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	10.64
	40	5200	10.66
	44	5220	10.57
	48	5240	10.47
802.11n HT20	36	5180	10.69
	40	5200	10.57
	44	5220	10.74
	48	5240	10.62
802.11n HT40	38	5190	10.53
	46	5230	10.66
802.11ac VHT80	42	5210	10.61
802.11ax HE20	36	5180	10.72
	40	5200	10.71
	44	5220	10.51
	48	5240	10.49
802.11ax HE40	38	5190	10.54
	46	5230	10.66
802.11ax HE80	42	5210	10.46

Conducted Power (P-sensor ON)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	10.52
	56	5280	10.75
	60	5300	10.49
	64	5320	10.51
802.11n HT20	52	5260	10.65
	56	5280	10.65
	60	5300	10.59
	64	5320	10.49
802.11n HT40	54	5270	10.61
	62	5310	10.54
802.11ac VHT80	58	5290	10.66
802.11ac VHT160	50	5250	10.95
802.11ax HE20	52	5260	10.72
	56	5280	10.63
	60	5300	10.61
	64	5320	10.47
802.11ax HE40	54	5270	10.51
	62	5310	10.47
802.11ax HE80	58	5290	10.67
802.11ax HE160	50	5250	10.75

Conducted Power (P-sensor ON)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	10.59
	116	5580	10.74
	120	5600	10.47
	124	5620	10.46
	132	5660	10.61
	140	5700	10.74
	144	5720	10.63
802.11n HT20	100	5500	10.64
	116	5580	10.56
	120	5600	10.58
	124	5620	10.49
	132	5660	10.75
	140	5700	10.69
	144	5720	10.59
802.11n HT40	102	5510	10.68
	110	5550	10.71
	118	5590	10.71
	126	5630	10.49
	134	5670	10.54
	142	5710	10.56
	144	5720	10.59
802.11ac VHT80	106	5530	10.92
	122	5610	10.83
	138	5690	10.86
802.11ac VHT160	114	5570	10.97
802.11ax HE20	100	5500	10.76
	116	5580	10.72
	120	5600	10.62
	124	5620	10.46
	132	5660	10.72
	140	5700	10.56
	144	5720	10.73
802.11ax HE40	102	5510	10.58
	110	5550	10.55
	118	5590	10.69
	126	5630	10.46
	134	5670	10.71
	142	5710	10.54
	144	5720	10.59
802.11ax HE80	106	5530	10.65
	122	5610	10.73
	138	5690	10.74
802.11ax HE160	114	5570	10.49

Conducted Power (P-sensor ON)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	10.51
	153	5765	10.49
	157	5785	10.58
	161	5805	10.37
	165	5825	10.58
802.11n HT20	149	5745	10.56
	153	5765	10.48
	157	5785	10.39
	161	5805	10.61
	165	5825	10.58
802.11n HT40	151	5755	10.48
	159	5795	10.48
802.11ac VHT80	155	5775	10.89
802.11ax HE20	149	5745	10.53
	153	5765	10.37
	157	5785	10.61
	161	5805	10.57
	165	5825	10.66
802.11ax HE40	151	5755	10.47
	159	5795	10.56
802.11ax HE80	155	5775	10.66

Conducted Power (P-sensor ON)			
WLAN 5.9GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	169	5845	10.55
	173	5865	10.57
	177	5885	10.52
802.11n HT20	169	5845	10.77
	173	5865	10.66
	177	5885	10.51
802.11n HT40	167	5835	10.67
	175	5875	10.67
802.11ac VHT80	171	5855	10.65
802.11ac VHT160	163	5815	10.99
802.11ax HE20	169	5845	10.51
	173	5865	10.62
	177	5885	10.56
802.11ax HE40	167	5835	10.49
	175	5875	10.78
802.11ax HE80	171	5855	10.65
802.11ax HE160	163	5815	10.71

Conducted Power (P-sensor ON)			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	1	5955	11.72
	5	5975	11.47
	9	5995	11.61
	13	6015	11.54
	17	6035	11.46
	21	6055	11.61
	25	6075	11.72
	29	6095	11.55
	33	6115	11.53
	37	6135	11.69
	41	6155	11.71
	45	6175	11.67
	49	6195	11.69
	53	6215	11.59
	57	6235	11.71
	61	6255	11.62
	65	6275	11.49
	69	6295	11.66
	73	6315	11.61
	77	6335	11.48
	81	6355	11.58
	85	6375	11.51
	89	6395	11.76
	93	6415	11.72

Conducted Power (P-sensor ON)			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE40	3	5965	11.66
	11	6005	11.64
	19	6045	11.74
	27	6085	11.64
	35	6125	11.69
	43	6165	11.49
	51	6205	11.71
	59	6245	11.66
	67	6285	11.71
	75	6325	11.61
	83	6365	11.58
	91	6405	11.71
802.11ax HE80	7	5985	11.65
	23	6065	11.57
	39	6145	11.72
	55	6225	11.76
	71	6305	11.71
	87	6385	11.61
802.11ax HE160	15	6025	11.96
	47	6185	11.89
	79	6345	11.94

Conducted Power (P-sensor ON)			
UNII-6 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	97	6435	11.46
	101	6455	11.59
	105	6475	11.64
	109	6495	11.51
	113	6515	11.46
	117	6535	11.05
802.11ax HE40	99	6445	11.45
	107	6485	11.56
	115	6525	11.64
802.11ax HE80	103	6465	11.57
	119	6545	11.1
802.11ax HE160	111	6505	11.85

Conducted Power (P-sensor ON)			
UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	121	6555	11.71
	125	6575	11.51
	129	6595	11.69
	133	6615	11.42
	137	6635	11.71
	141	6655	11.62
	145	6675	11.51
	149	6695	11.47
	153	6715	11.46
	157	6735	11.69
	161	6755	11.59
	165	6775	11.71
	169	6795	11.51
	173	6815	11.61
	177	6835	11.49
	181	6855	11.54
	185	6875	11.61
802.11ax HE40	123	6565	11.49
	131	6605	11.57
	139	6645	11.67
	147	6685	11.52
	155	6725	11.51
	163	6765	11.49
	171	6805	11.69
	179	6845	11.52
802.11ax HE80	187	6885	11.59
	135	6625	11.66
	151	6705	11.63
	167	6785	11.49
802.11ax HE160	183	6865	11.66
	143	6665	11.87
	175	6825	11.91

Conducted Power (P-sensor ON)			
UNII-8 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	189	6895	11.52
	193	6915	11.58
	197	6935	11.55
	201	6955	11.7
	205	6975	11.66
	209	6995	11.53
	213	7015	11.7
	217	7035	11.46
	221	7055	11.49
	225	7075	11.59
	229	7095	11.63
	233	7115	11.53
802.11ax HE40	195	6925	11.68
	203	6965	11.52
	211	7005	11.72
	219	7045	11.72
	227	7085	11.45
802.11ax HE80	199	6945	11.71
	215	7025	11.49
802.11ax HE160	207	6985	11.89

Appendix F. SAR and Incident Power Density Test Result

SAR Results for Body Exposure Condition.

Note:

1. SAR testing for WLAN / BT 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.
3. Per KDB 388624 APPENDIX OVER6G, the minimum of 5 channels to perform IPD across U-NII 5,6,7 and 8. and measured results were scaled by factor 1.545 to reported power density when measurement uncertainty exceed 30%.

Body SAR Test Result

System & Position						DUT Configuration				SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Battery	Antenna Vendor	Ant Status	P-sensor	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)
Body SAR Test SAR-1g : 1.6 W/kg																	
	WLAN2.4G	802.11b	Bottom of Laptop	0	6	2	AUDEN	Ant 0	w/o	98.82	1.01	16.00	15.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Rear Face	0	6	2	AUDEN	Ant 0	w/o	98.82	1.01	16.00	15.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Left Side	0	6	2	AUDEN	Ant 0	w/o	98.82	1.01	16.00	15.98	1.00	-0.01	0.238	0.24
	WLAN2.4G	802.11b	Right Side	0	6	2	AUDEN	Ant 0	w/o	98.82	1.01	16.00	15.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Top Side	0	6	2	AUDEN	Ant 0	w/o	98.82	1.01	16.00	15.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Bottom Side	0	6	2	AUDEN	Ant 0	w/o	98.82	1.01	16.00	15.98	1.00	0	0.039	0.04
	WLAN2.4G	802.11b	Bottom of Laptop	0	6	2	AUDEN	Ant 1	w/o	98.93	1.01	16.00	15.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Rear Face	0	6	2	AUDEN	Ant 1	w/o	98.93	1.01	16.00	15.98	1.00	0	0.177	0.18
	WLAN2.4G	802.11b	Left Side	0	6	2	AUDEN	Ant 1	w/o	98.93	1.01	16.00	15.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Right Side	0	6	2	AUDEN	Ant 1	w/o	98.93	1.01	16.00	15.98	1.00	-0.09	0.302	0.31
	WLAN2.4G	802.11b	Top Side	0	6	2	AUDEN	Ant 1	w/o	98.93	1.01	16.00	15.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Bottom Side	0	6	2	AUDEN	Ant 1	w/o	98.93	1.01	16.00	15.98	1.00	0.01	0.085	0.09
	WLAN2.4G	802.11n HT40	Bottom of Laptop	0	6	2	AUDEN	Ant 0+1	w/o	99.06	1.01	19.00	18.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11n HT40	Rear Face	0	6	2	AUDEN	Ant 0+1	w/o	99.06	1.01	19.00	18.98	1.00	0.03	0.196	0.20
	WLAN2.4G	802.11n HT40	Left Side	0	6	2	AUDEN	Ant 0+1	w/o	99.06	1.01	19.00	18.98	1.00	0.06	0.187	0.19
1	WLAN2.4G	802.11n HT40	Right Side	0	6	2	AUDEN	Ant 0+1	w/o	99.06	1.01	19.00	18.98	1.00	-0.08	0.331	0.33
	WLAN2.4G	802.11n HT40	Top Side	0	6	2	AUDEN	Ant 0+1	w/o	99.06	1.01	19.00	18.98	1.00	0	<0.001	0.00
	WLAN2.4G	802.11n HT40	Bottom Side	0	6	2	AUDEN	Ant 0+1	w/o	99.06	1.01	19.00	18.98	1.00	-0.08	0.086	0.09
	WLAN2.4G	802.11n HT40	Right Side	0	3	2	AUDEN	Ant 0+1	w/o	99.06	1.01	19.00	18.94	1.01	-0.07	0.306	0.31
	WLAN2.4G	802.11n HT40	Right Side	0	9	2	AUDEN	Ant 0+1	w/o	99.06	1.01	19.00	18.91	1.02	-0.06	0.304	0.31
	WLAN2.4G	802.11n HT40	Right Side	0	10	2	AUDEN	Ant 0+1	w/o	99.06	1.01	19.00	18.97	1.01	0.09	0.282	0.29
	WLAN2.4G	802.11n HT40	Right Side	0	11	2	AUDEN	Ant 0+1	w/o	99.06	1.01	19.00	18.96	1.01	0.09	0.244	0.25
	WLAN2.4G	802.11n HT40	Right Side	0	6	1	HB	Ant 0+1	w/o	99.06	1.01	19.00	18.98	1.00	0.02	0.312	0.32
		-															

Body SAR Test Result

System & Position						DUT Configuration				SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Battery	Antenna Vendor	Ant Status	P-sensor	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)
Body SAR Test SAR-1g : 1.6 W/kg																	
	WLAN5.3G	802.11ac VHT160	Bottom of Laptop	0	50	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.47	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Rear Face	13	50	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.47	1.01	0.16	0.129	0.13
	WLAN5.3G	802.11ac VHT160	Left Side	25	50	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.47	1.01	-0.17	0.26	0.27
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.47	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.47	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.47	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Bottom of Laptop	0	50	2	AUDEN	Ant 1	w/o	97.86	1.02	16.50	16.46	1.01	0.07	0.03	0.03
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	2	AUDEN	Ant 1	w/o	97.86	1.02	16.50	16.46	1.01	-0.12	0.106	0.11
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	2	AUDEN	Ant 1	w/o	97.86	1.02	16.50	16.46	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	2	AUDEN	Ant 1	w/o	97.86	1.02	16.50	16.46	1.01	0.02	0.171	0.18
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	2	AUDEN	Ant 1	w/o	97.86	1.02	16.50	16.46	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	2	AUDEN	Ant 1	w/o	97.86	1.02	16.50	16.46	1.01	0.01	0.362	0.37
	WLAN5.3G	802.11ac VHT160	Bottom of Laptop	0	50	2	AUDEN	Ant 0+1	w/o	97.32	1.03	19.50	19.46	1.01	-0.12	0.041	0.04
	WLAN5.3G	802.11ac VHT160	Rear Face	13	50	2	AUDEN	Ant 0+1	w/o	97.32	1.03	19.50	19.46	1.01	0.12	0.049	0.05
	WLAN5.3G	802.11ac VHT160	Left Side	25	50	2	AUDEN	Ant 0+1	w/o	97.32	1.03	19.50	19.46	1.01	-0.16	0.104	0.11
2	WLAN5.3G	802.11ac VHT160	Right Side	0	50	2	AUDEN	Ant 0+1	w/o	97.32	1.03	19.50	19.46	1.01	-0.05	0.678	0.71
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	2	AUDEN	Ant 0+1	w/o	97.32	1.03	19.50	19.46	1.01	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	2	AUDEN	Ant 0+1	w/o	97.32	1.03	19.50	19.46	1.01	-0.08	0.243	0.25
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	2	AUDEN	Ant 0	w/	97.69	1.02	11.00	10.95	1.01	0.18	0.089	0.09
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	2	AUDEN	Ant 0	w/	97.69	1.02	11.00	10.95	1.01	0.01	0.412	0.42
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	2	AUDEN	Ant 0+1	w/	97.32	1.03	17.60	17.54	1.01	-0.02	0.111	0.12
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	2	AUDEN	Ant 0+1	w/	97.32	1.03	17.60	17.54	1.01	-0.08	0.234	0.24
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	1	HB	Ant 0+1	w/	97.32	1.03	19.50	19.46	1.01	-0.04	0.637	0.66

Body SAR Test Result

System & Position						DUT Configuration				SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Battery	Antenna Vendor	Ant Status	P-sensor	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)
Body SAR Test SAR-1g : 1.6 W/kg																	
	WLAN5.6G	802.11ac VHT160	Bottom of Laptop	0	114	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.46	1.01	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Rear Face	13	114	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.46	1.01	-0.02	0.239	0.25
	WLAN5.6G	802.11ac VHT160	Left Side	25	114	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.46	1.01	-0.17	0.294	0.30
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.46	1.01	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.46	1.01	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.46	1.01	-0.08	0.069	0.07
	WLAN5.6G	802.11ac VHT160	Bottom of Laptop	0	114	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.99	1.00	0.14	0.111	0.11
	WLAN5.6G	802.11ac VHT160	Rear Face	0	114	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.99	1.00	0.04	0.198	0.20
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.99	1.00	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.99	1.00	-0.01	0.812	0.83
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.99	1.00	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.99	1.00	0.14	0.438	0.45
	WLAN5.6G	802.11ac VHT160	Bottom of Laptop	0	114	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.76	1.01	-0.16	0.109	0.11
	WLAN5.6G	802.11ac VHT160	Rear Face	13	114	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.76	1.01	0.19	0.215	0.22
	WLAN5.6G	802.11ac VHT160	Left Side	25	114	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.76	1.01	0.09	0.263	0.27
3	WLAN5.6G	802.11ac VHT160	Right Side	0	114	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.76	1.01	-0.02	0.836	0.87
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.76	1.01	-0.04	0.489	0.51
	WLAN5.6G	802.11ac VHT160	Rear Face	0	114	2	AUDEN	Ant 0	w/	97.69	1.02	11.00	10.97	1.01	-0.08	0.158	0.16
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	2	AUDEN	Ant 0	w/	97.69	1.02	11.00	10.97	1.01	0.04	0.608	0.63
	WLAN5.6G	802.11ac VHT160	Rear Face	0	114	2	AUDEN	Ant 0+1	w/	97.32	1.03	16.50	16.45	1.01	0.09	0.194	0.20
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	2	AUDEN	Ant 0+1	w/	97.32	1.03	16.50	16.45	1.01	0.1	0.504	0.52
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	1	HB	Ant 0+1	w/o	97.32	1.03	18.80	18.76	1.01	-0.02	0.811	0.84

Body SAR Test Result

Body SAR Test Result																	
System & Position						DUT Configuration				SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Battery	Antenna Vendor	Ant Status	P-sensor	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)
Body SAR Test SAR-1g : 1.6 W/kg																	
	WLAN5.8G	802.11ac VHT80	Bottom of Laptop	0	155	2	AUDEN	Ant 0	w/o	98.13	1.02	16.50	16.47	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Rear Face	13	155	2	AUDEN	Ant 0	w/o	98.13	1.02	16.50	16.47	1.01	0.03	0.183	0.19
	WLAN5.8G	802.11ac VHT80	Left Side	25	155	2	AUDEN	Ant 0	w/o	98.13	1.02	16.50	16.47	1.01	-0.13	0.26	0.27
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	2	AUDEN	Ant 0	w/o	98.13	1.02	16.50	16.47	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	2	AUDEN	Ant 0	w/o	98.13	1.02	16.50	16.47	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	2	AUDEN	Ant 0	w/o	98.13	1.02	16.50	16.47	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Bottom of Laptop	0	155	2	AUDEN	Ant 1	w/o	98.25	1.02	15.00	14.94	1.01	-0.04	0.128	0.13
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	2	AUDEN	Ant 1	w/o	98.25	1.02	15.00	14.94	1.01	0.03	0.163	0.17
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	2	AUDEN	Ant 1	w/o	98.25	1.02	15.00	14.94	1.01	0	<0.001	0.00
5	WLAN5.8G	802.11ac VHT80	Right Side	0	155	2	AUDEN	Ant 1	w/o	98.25	1.02	15.00	14.94	1.01	0.05	0.941	0.97
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	2	AUDEN	Ant 1	w/o	98.25	1.02	15.00	14.94	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	2	AUDEN	Ant 1	w/o	98.25	1.02	15.00	14.94	1.01	0.1	0.578	0.60
	WLAN5.8G	802.11ac VHT80	Bottom of Laptop	0	155	2	AUDEN	Ant 0+1	w/o	98.65	1.01	18.80	18.80	1.00	-0.12	0.125	0.13
	WLAN5.8G	802.11ac VHT80	Rear Face	13	155	2	AUDEN	Ant 0+1	w/o	98.65	1.01	18.80	18.80	1.00	0.05	0.166	0.17
	WLAN5.8G	802.11ac VHT80	Left Side	25	155	2	AUDEN	Ant 0+1	w/o	98.65	1.01	18.80	18.80	1.00	0.18	0.273	0.28
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	2	AUDEN	Ant 0+1	w/o	98.65	1.01	18.80	18.80	1.00	0.09	0.922	0.93
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	2	AUDEN	Ant 0+1	w/o	98.65	1.01	18.80	18.80	1.00	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	2	AUDEN	Ant 0+1	w/o	98.65	1.01	18.80	18.80	1.00	-0.05	0.515	0.52
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	2	AUDEN	Ant 0	w/	98.13	1.02	11.00	10.89	1.03	-0.09	0.086	0.09
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	2	AUDEN	Ant 0	w/	98.13	1.02	11.00	10.89	1.03	0.04	0.608	0.64
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	2	AUDEN	Ant 0+1	w/	98.65	1.01	16.50	16.35	1.04	0.07	0.092	0.10
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	2	AUDEN	Ant 0+1	w/	98.65	1.01	16.50	16.35	1.04	0.15	0.565	0.59
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	1	HB	Ant 1	w/o	98.25	1.02	15.00	14.94	1.01	0.03	0.936	0.96
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Body SAR Test Result

System & Position						DUT Configuration				SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Battery	Antenna Vendor	Ant Status	P-sensor	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)
Body SAR Test SAR-1g : 1.6 W/kg																	
	WLAN5.9G	802.11ac VHT160	Bottom of Laptop	0	163	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.45	1.01	0.03	0.042	0.04
	WLAN5.9G	802.11ac VHT160	Rear Face	13	163	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.45	1.01	0.06	0.221	0.23
	WLAN5.9G	802.11ac VHT160	Left Side	25	163	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.45	1.01	-0.01	0.324	0.33
	WLAN5.9G	802.11ac VHT160	Right Side	0	163	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.45	1.01	0	<0.001	0.00
	WLAN5.9G	802.11ac VHT160	Top Side	0	163	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.45	1.01	0	<0.001	0.00
	WLAN5.9G	802.11ac VHT160	Bottom Side	0	163	2	AUDEN	Ant 0	w/o	97.69	1.02	16.50	16.45	1.01	0.02	0.076	0.08
	WLAN5.9G	802.11ac VHT160	Bottom of Laptop	0	163	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.95	1.01	-0.07	0.132	0.14
	WLAN5.9G	802.11ac VHT160	Rear Face	0	163	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.95	1.01	-0.11	0.148	0.15
	WLAN5.9G	802.11ac VHT160	Left Side	0	163	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.95	1.01	0	<0.001	0.00
	WLAN5.9G	802.11ac VHT160	Right Side	0	163	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.95	1.01	0.09	0.942	0.97
	WLAN5.9G	802.11ac VHT160	Top Side	0	163	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.95	1.01	0	<0.001	0.00
	WLAN5.9G	802.11ac VHT160	Bottom Side	0	163	2	AUDEN	Ant 1	w/o	97.86	1.02	15.00	14.95	1.01	-0.07	0.569	0.59
	WLAN5.9G	802.11ac VHT160	Bottom of Laptop	0	163	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.80	1.00	0.13	0.116	0.12
	WLAN5.9G	802.11ac VHT160	Rear Face	13	163	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.80	1.00	-0.05	0.171	0.18
	WLAN5.9G	802.11ac VHT160	Left Side	25	163	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.80	1.00	0.17	0.243	0.25
6	WLAN5.9G	802.11ac VHT160	Right Side	0	163	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.80	1.00	-0.06	1.03	1.06
	WLAN5.9G	802.11ac VHT160	Top Side	0	163	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.80	1.00	0	<0.001	0.00
	WLAN5.9G	802.11ac VHT160	Bottom Side	0	163	2	AUDEN	Ant 0+1	w/o	97.32	1.03	18.80	18.80	1.00	-0.05	0.507	0.52
	WLAN5.9G	802.11ac VHT160	Rear Face	0	163	2	AUDEN	Ant 0	w/	97.69	1.02	11.00	10.99	1.00	0.03	0.119	0.12
	WLAN5.9G	802.11ac VHT160	Left Side	0	163	2	AUDEN	Ant 0	w/	97.69	1.02	11.00	10.99	1.00	-0.1	0.757	0.77
	WLAN5.9G	802.11ac VHT160	Rear Face	0	163	2	AUDEN	Ant 0+1	w/	97.32	1.03	16.50	16.41	1.02	-0.02	0.091	0.10
	WLAN5.9G	802.11ac VHT160	Left Side	0	163	2	AUDEN	Ant 0+1	w/	97.32	1.03	16.50	16.41	1.02	0.06	0.586	0.62
	WLAN5.9G	802.11ac VHT160	Right Side	0	163	1	HB	Ant 0+1	w/o	97.32	1.03	18.80	18.80	1.00	0.03	0.987	1.02
	BT	BDR	Bottom of Laptop	0	78	2	AUDEN	Ant 1	w/o	77.07	1.30	10.50	9.67	1.21	0	<0.001	0.00
	BT	BDR	Rear Face	0	78	2	AUDEN	Ant 1	w/o	77.07	1.30	10.50	9.67	1.21	0	<0.001	0.00
	BT	BDR	Left Side	0	78	2	AUDEN	Ant 1	w/o	77.07	1.30	10.50	9.67	1.21	0	<0.001	0.00
7	BT	BDR	Right Side	0	78	2	AUDEN	Ant 1	w/o	77.07	1.30	10.50	9.67	1.21	0.13	0.032	0.05
	BT	BDR	Top Side	0	78	2	AUDEN	Ant 1	w/o	77.07	1.30	10.50	9.67	1.21	0	<0.001	0.00
	BT	BDR	Bottom Side	0	78	2	AUDEN	Ant 1	w/o	77.07	1.30	10.50	9.67	1.21	0	<0.001	0.00
	BT	BDR	Right Side	0	0	2	AUDEN	Ant 1	w/o	77.07	1.30	10.50	9.41	1.29	0	<0.001	0.00
	BT	BDR	Right Side	0	39	2	AUDEN	Ant 1	w/o	77.07	1.30	10.50	9.66	1.21	0	<0.001	0.00
	BT	BDR	Right Side	0	78	1	HB	Ant 1	w/o	77.07	1.30	10.50	9.67	1.21	0	<0.001	0.00

Body SAR Test Result																	
System & Position						DUT Configuration				SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Battery	Antenna Vendor	Ant Status	P-sensor	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)
Body SAR Test SAR-1g : 1.6 W/kg																	
	RFID	ASK	Bottom of Laptop	0	13.56	2			w/o	-	1.00	-	-	1		<0.001	0.00
9	RFID	ASK	Front Face	0	13.56	2			w/o	-	1.00	-	-	1		<0.001	0.00
	RFID	ASK	Rear Face	0	13.56	2			w/o	-	1.00	-	-	1		<0.001	0.00
	RFID	ASK	Left Side	0	13.56	2			w/o	-	1.00	-	-	1		<0.001	0.00
	RFID	ASK	Right Side	0	13.56	2			w/o	-	1.00	-	-	1		<0.001	0.00
	RFID	ASK	Top Side	0	13.56	2			w/o	-	1.00	-	-	1		<0.001	0.00
	RFID	ASK	Bottom Side	0	13.56	2			w/o	-	1.00	-	-	1		<0.001	0.00
	RFID	ASK	Front Face	0	13.56	1			w/o	-	1.00	-	-	1		<0.001	0.00

SAR and Power Density Test Result																												
System & Position						DUT Configuration				SAR										Power Density								
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Battery	Antenna Vendor	Ant Status	Power Reduction	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)	Scaled APD W/m ² (4cm ²)	Grid Step [λ]	iPD [W/m ²]	Scaling Factor for Measurement Uncertainty	Averaging Area [cm ²]	Power Drift [dB]	Normal psPD [W/m ²]	Scaled Normal psPD [W/m ²]	Total psPD [W/m ²]	Scaled Total psPD [W/m ²]
Body SAR Test SAR-1g : 1.6 W/kg																												
	UNII-5	802.11ax HE160	Bottom of Laptop	0	15	2	AUDEN	Ant 0	w/o	97.17	1.03	13.00	12.93	1.02	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Back of Panel	25	15	2	AUDEN	Ant 0	w/o	97.17	1.03	13.00	12.93	1.02	0.16	0.076	0.08	0.545	0.57									
	UNII-5	802.11ax HE160	Left Side of Panel	25	15	2	AUDEN	Ant 0	w/o	97.17	1.03	13.00	12.93	1.02	0.17	0.155	0.16	1.11	1.17									
	UNII-5	802.11ax HE160	Rear Face	13	15	2	AUDEN	Ant 0	w/o	97.17	1.03	13.00	12.93	1.02	0.16	0.151	0.16	1.08	1.13									
	UNII-5	802.11ax HE160	Left Side	25	15	2	AUDEN	Ant 0	w/o	97.17	1.03	13.00	12.93	1.02	-0.04	0.156	0.16	1.12	1.18									
	UNII-5	802.11ax HE160	Right Side	0	15	2	AUDEN	Ant 0	w/o	97.17	1.03	13.00	12.93	1.02	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Top Side	0	15	2	AUDEN	Ant 0	w/o	97.17	1.03	13.00	12.93	1.02	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Bottom Side	0	15	2	AUDEN	Ant 0	w/o	97.17	1.03	13.00	12.93	1.02	0.15	0.043	0.05	0.314	0.33									
	UNII-5	802.11ax HE160	Bottom of Laptop	0	15	2	AUDEN	Ant 1	w/o	97.60	1.02	12.00	11.96	1.01	0.09	0.073	0.08	0.474	0.49									
	UNII-5	802.11ax HE160	Rear Face	0	15	2	AUDEN	Ant 1	w/o	97.60	1.02	12.00	11.96	1.01	-0.14	0.149	0.15	0.961	0.99									
	UNII-5	802.11ax HE160	Left Side	0	15	2	AUDEN	Ant 1	w/o	97.60	1.02	12.00	11.96	1.01	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Right Side	0	15	2	AUDEN	Ant 1	w/o	97.60	1.02	12.00	11.96	1.01	-0.01	0.561	0.58	3.62	3.73									
	UNII-5	802.11ax HE160	Top Side	0	15	2	AUDEN	Ant 1	w/o	97.60	1.02	12.00	11.96	1.01	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Bottom Side	0	15	2	AUDEN	Ant 1	w/o	97.60	1.02	12.00	11.96	1.01	0.16	0.252	0.26	1.62	1.67									
	UNII-5	802.11ax HE160	Bottom of Laptop	0	15	2	AUDEN	Ant 0+1	w/o	97.18	1.03	15.50	15.47	1.01	-0.05	0.069	0.07	0.495	0.51									
	UNII-5	802.11ax HE160	Back of Panel	25	15	2	AUDEN	Ant 0+1	w/o	97.18	1.03	15.50	15.47	1.01	0.16	0.074	0.08	0.535	0.56									
	UNII-5	802.11ax HE160	Left Side of Panel	25	15	2	AUDEN	Ant 0+1	w/o	97.18	1.03	15.50	15.47	1.01	-0.08	0.128	0.13	0.919	0.96									
	UNII-5	802.11ax HE160	Rear Face	13	15	2	AUDEN	Ant 0+1	w/o	97.18	1.03	15.50	15.47	1.01	0.13	0.148	0.15	1.06	1.1									
	UNII-5	802.11ax HE160	Left Side	25	15	2	AUDEN	Ant 0+1	w/o	97.18	1.03	15.50	15.47	1.01	-0.19	0.146	0.15	1.04	1.08									
	UNII-5	802.11ax HE160	Right Side	0	15	2	AUDEN	Ant 0+1	w/o	97.18	1.03	15.50	15.47	1.01	0.07	0.54	0.56	3.87	4.03									
	UNII-5	802.11ax HE160	Top Side	0	15	2	AUDEN	Ant 0+1	w/o	97.18	1.03	15.50	15.47	1.01	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Bottom Side	0	15	2	AUDEN	Ant 0+1	w/o	97.18	1.03	15.50	15.47	1.01	0.18	0.272	0.28	1.95	2.03									
	UNII-5	802.11ax HE160	Rear Face	0	15	2	AUDEN	Ant 0	w/	97.17	1.03	12.00	11.96	1.01	0.16	0.215	0.22	1.54	1.6									
8	UNII-5	802.11ax HE160	Left Side	0	15	2	AUDEN	Ant 0	w/	97.17	1.03	12.00	11.96	1.01	-0.06	0.86	0.89	6.16	6.41	0.0502	37.40	1.545	4.00	0.13	2.99	4.76	4.9	7.88
	UNII-5	802.11ax HE160	Rear Face	0	15	2	AUDEN	Ant 0+1	w/	97.18	1.03	15.00	14.96	1.01	0.05	0.254	0.26	1.82	1.89									
	UNII-5	802.11ax HE160	Left Side	0	15	2	AUDEN	Ant 0+1	w/	97.18	1.03	15.00	14.96	1.01	-0.05	0.824	0.86	5.91	6.15	0.0502	36.12	1.545	4.00	-0.08	2.86	4.55	4.56	7.33
	UNII-5	802.11ax HE160	Left Side	0	47	2	AUDEN	Ant 0	w/	97.17	1.03	12.00	11.89	1.03	-0.11	0.728	0.77	5.21	5.53	0.0515	32.38	1.545	4.00	0.05	2.52	4.01	4.02	6.59
	UNII-5	802.11ax HE160	Left Side	0	79	2	AUDEN	Ant 0	w/	97.17	1.03	12.00	11.94	1.01	0.12	0.816	0.85	5.84	6.08	0.0529	35.76	1.545	4.00	-0.12	2.83	4.5	4.51	7.25
	UNII-6	802.11ax HE160	Left Side	0	111	2	AUDEN	Ant 0	w/	97.17	1.03	12.00	11.85	1.04	0.11	0.599	0.64	4.29	4.6									
	UNII-7	802.11ax HE160	Left Side	0	143	2	AUDEN	Ant 0	w/	97.17	1.03	12.00	11.87	1.03	-0.09	0.587	0.62	4.2	4.46									
	UNII-7	802.11ax HE160	Left Side	0	175	2	AUDEN	Ant 0	w/	97.17	1.03	12.00	11.91	1.02	0.14	0.535	0.56	3.83	4.02									
	UNII-8	802.11ax HE160	Left Side	0	207	2	AUDEN	Ant 0	w/	97.17	1.03	12.00	11.89	1.03	0.17	0.36	0.38	2.58	2.74									
	UNII-5	802.11ax HE160	Left Side	0	15	1	HB	Ant 0	w/	97.17	1.03	12.00	11.96	1.01	0.06	0.713	0.74	5.1	5.31	0.0502	31.02	1.545	4.00	0.08	2.47	3.93	3.94	6.33
	UNII-5	802.11ax HE160	Left Side	0	15	2	AUDEN	Ant 0	w/	97.17	1.03	12.00	11.96	1.01	0.06	0.794	0.83	5.67	5.9									

Appendix G. SAR Measurement Variability

SAR repeated measurement are shown as below.

Repeated SAR							
Plot	Band	Mode	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio
R01	WLAN5.6G	802.11ac VHT160	Right Side	114	0.836	0.811	1.03
R03	WLAN5.8G	802.11ac VHT80	Right Side	155	0.941	0.936	1.01
R04	WLAN5.9G	802.11ac VHT160	Right Side	163	1.03	0.987	1.04
R05	UNII-5	802.11ax HE160	Left Side	15	0.86	0.794	1.08

Appendix H. Analysis of Simultaneous Transmission.

The analysis of simultaneous transmission SAR are shown as below.

<Possibilities of Simultaneous Transmission>

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

Simultaneous TX Combination	Capable Transmit Configurations	Body Exposure Condition
A	WLAN 2.4G_Ant 0+RFID	Yes
B	WLAN 2.4G_Ant 1+RFID	Yes
C	WLAN 2.4G_Ant 0+1+RFID	Yes
D	WLAN 5G_Ant 0+RFID	Yes
E	WLAN 5G_Ant 1+RFID	Yes
F	WLAN 5G_Ant 0+1+RFID	Yes
G	BT+RFID	Yes
H	WLAN 2.4G_Ant 0+BT_Ant1+RFID	Yes
I	WLAN 5G_Ant 0+BT_Ant1+RFID	Yes
J	WLAN 5G_Ant 0+1+BT_Ant1+RFID	Yes
K	UNII-5_Ant 0+RFID	Yes
L	UNII-5_Ant 1+RFID	Yes
M	UNII-5_Ant 0+1+RFID	Yes
N	UNII-5_Ant 0+BT_Ant1+RFID	Yes
O	UNII-5_Ant 0+1+BT_Ant1+RFID	Yes

Notes

1. The WLAN 2.4G and WLAN 5G cannot transmit simultaneously.
2. Simultaneous Tx Combination A can be covered by H
3. Simultaneous Tx Combination D can be covered by I
4. Simultaneous Tx Combination F can be covered by J
5. Simultaneous Tx Combination G can be covered by H
6. Simultaneous Tx Combination K can be covered by N
7. Simultaneous Tx Combination M can be covered by O

Simultaneous Transmission SAR Evaluation																				
Position	1	2	3	4	5	6	7	8	9	10	11	B(2+11)	C(3+11)	E(5+11)	H(1+10+11)	I(4+10+11)	J(6+10+11)	L(8+11)	N(7+10+11)	O(9+10+11)
	WLAN 2.4GHz Ant 0	WLAN 2.4GHz Ant 1	WLAN 2.4GHz Ant 0+1	Max WLAN 5GHz Ant 0	Max WLAN 5GHz Ant 1	Max WLAN 5GHz Ant 0+1	UNII-5 Ant 0	UNII-5 Ant 1	UNII-5 Ant 0+1	Max BT Ant 1	RFID	Summing result	Summing result	Summing result	Summing result	Summing result	Summing result	Summing result	Summing result	Summing 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	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	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg
Bottom of Laptop	0.00	0.00	0.00	0.04	0.14	0.13	0.00	0.08	0.07	0.00	0.00	0.00	0.00	0.14	0.00	0.04	0.13	0.08	0.00	0.07
Rear Face	0.00	0.18	0.20	0.25	0.17	0.22	0.22	0.15	0.26	0.00	0.00	0.18	0.20	0.17	0.00	0.25	0.22	0.15	0.22	0.26
Left Side	0.24	0.00	0.19	0.77	0.00	0.63	0.89	0.00	0.86	0.00	0.00	0.00	0.19	0.00	0.24	0.77	0.63	0.00	0.89	0.86
Right Side	0.00	0.31	0.33	0.00	0.97	1.06	0.00	0.58	0.56	0.05	0.00	0.31	0.33	0.97	0.05	0.05	1.11	0.58	0.05	0.61
Top Side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bottom Side	0.04	0.09	0.09	0.08	0.60	0.52	0.05	0.26	0.28	0.00	0.00	0.09	0.09	0.60	0.04	0.08	0.52	0.26	0.05	0.28

Total Exposure Ratio (Body)								
Position	7	8	9	10	11	L(8+11)	N(7+10+11)	O(9+10+11)
	UNII-5 Ant 0	UNII-5 Ant 1	UNII-5 Ant 0+1	Max BT Ant 1	RFID	Total Exposure Ratio	Total Exposure Ratio	Total Exposure Ratio
	4cm ² W/m ²	4cm ² W/m ²	4cm ² W/m ²	1g SAR W/kg	1g SAR W/kg			
Max	7.88	0	7.33	0.05	0	0.00	0.82	0.76