

Appendix A. Plots of System Verification

The plots for system verification are shown as follows.

Plots of System Verification

Measurement Report

S01 System Check_H2450_240416

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,	,		CW, 0--	2450.0, 0	7.71	1.87	41.1

Hardware Setup

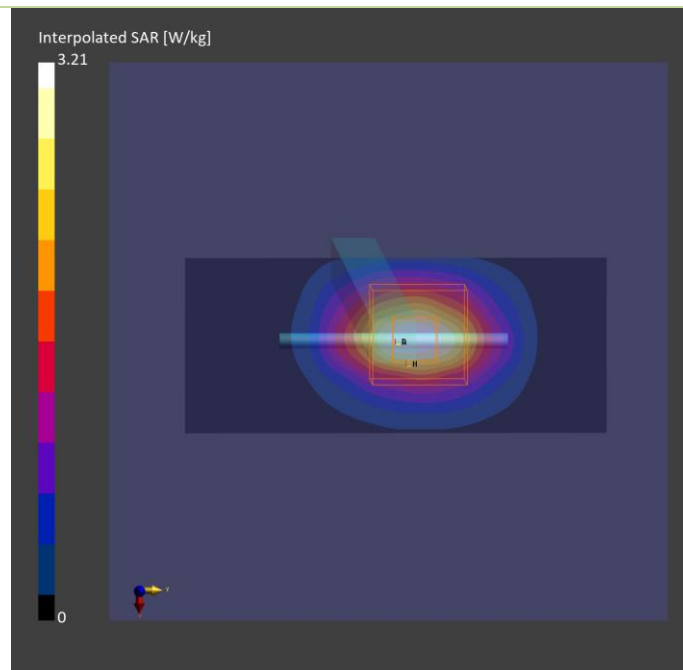
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H06T27N6 , 2024-Apr-16	EX3DV4 - SN7554, 2023-09-19	DAE4 Sn1431, 2023-08-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	48.0 x 96.0	35.0 x 35.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-16	2024-04-16
psSAR1g [W/kg]	2.49	2.50
psSAR10g [W/kg]	1.17	1.20
Power Drift [dB]	-0.01	-0.01



Plots of System Verification

Measurement Report

S02 System Check_H5250_240416

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,	,		CW, 0--	5250.000, 0	5.39	4.49	36.8

Hardware Setup

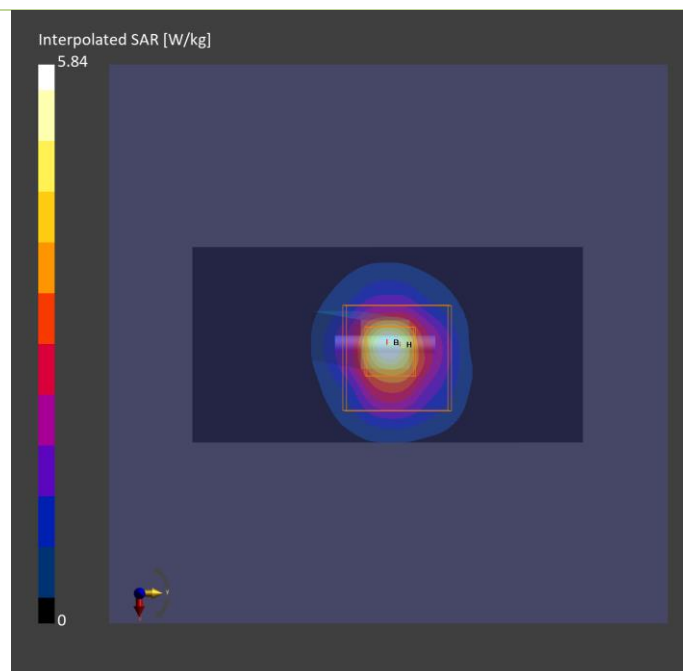
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H51T72N6, 2024-Apr-16	EX3DV4 - SN7554, 2023-09-19	DAE4 Sn1431, 2023-08-24

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	2024-04-16	2024-04-16
psSAR1g [W/kg]	3.63	3.91
psSAR10g [W/kg]	1.06	1.12
Power Drift [dB]	0.00	0.02



Plots of System Verification

Measurement Report

S03 System Check_H5600_240415

Device under Test Properties

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

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,	,		CW, 0--	5600.000 0	4.41	4.95	36.8

Hardware Setup

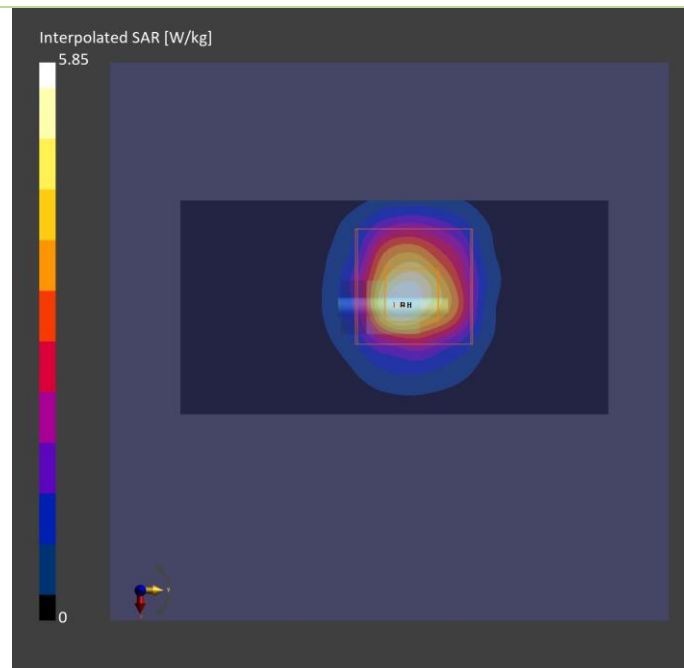
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-15	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

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	2024-04- 15	2024-04-15
psSAR1g [W/kg]	4.13	4.51
psSAR10g [W/kg]	1.27	1.27
Power Drift [dB]	-0.02	-0.02



Plots of System Verification

Measurement Report

S04 System Check_H5750_240415

Device under Test Properties

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

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,	,		CW,	5750.000, 0	4.49	5.13	36.5

Hardware Setup

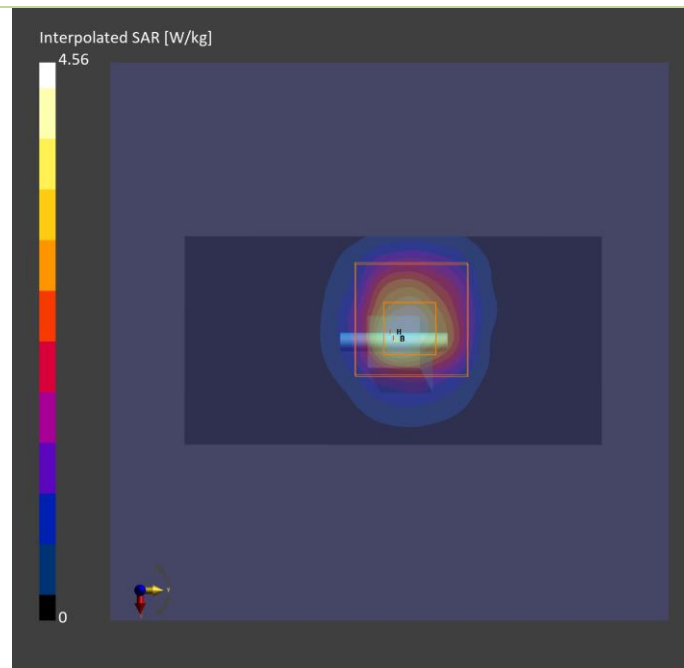
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5, 2024-Apr-15	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

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	2024-04-15	2024-04-15
psSAR1g [W/kg]	3.24	3.76
psSAR10g [W/kg]	1.02	1.06
Power Drift [dB]	0.07	0.08



Plots of System Verification

Measurement Report

S05 System Check H5800_240424

Device under Test Properties

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

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			CW, 0--	5800.000 0	4.31	5.19	35.7

Hardware Setup

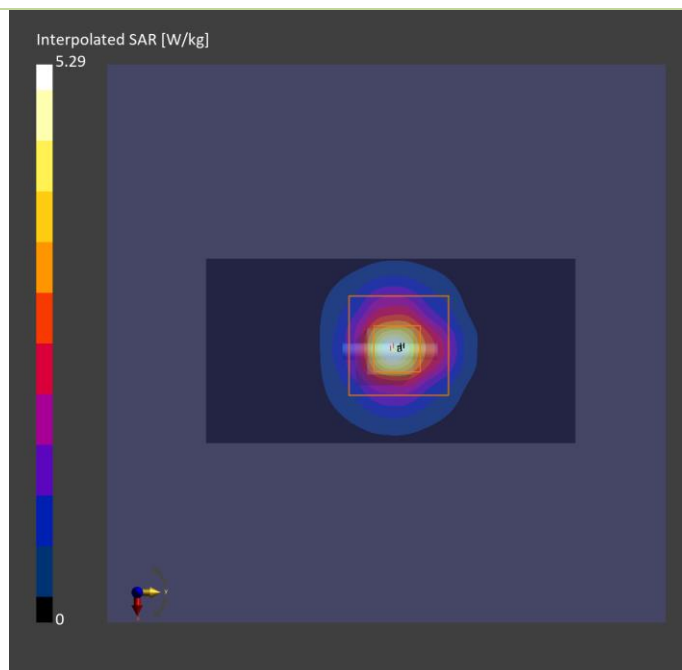
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H51T72N8 , 2024-Apr-24	EX3DV4 - SN7736, 2024-02-01	DAE4 Sn1761, 2023-11-17

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	2024-04-24	2024-04-24
psSAR1g [W/kg]	3.36	3.66
psSAR10g [W/kg]	0.965	1.09
Power Drift [dB]	0.02	0.08



Plots of System Verification

Measurement Report

S06 System Check_H2450_240416

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,	,		CW, 0--	2450.0, 0	7.71	1.87	41.1

Hardware Setup

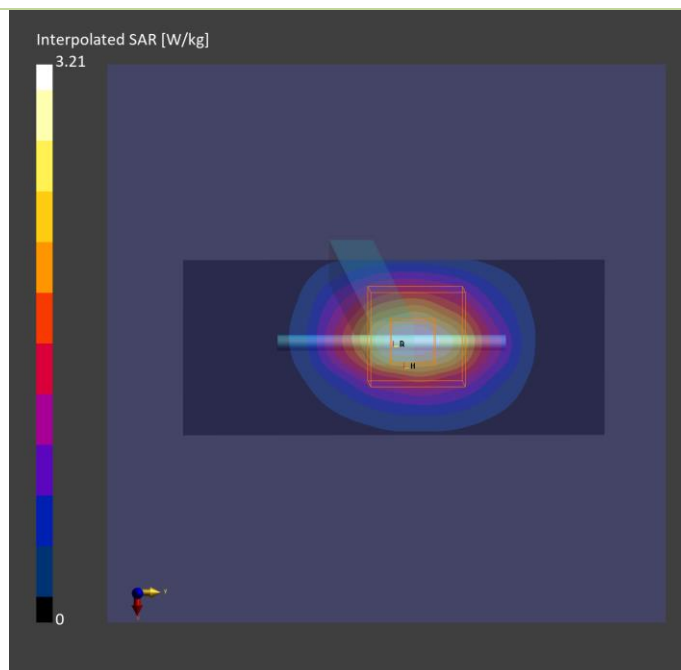
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H06T27N6 , 2024-Apr-16	EX3DV4 - SN7554, 2023-09-19	DAE4 Sn1431, 2023-08-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	48.0 x 96.0	35.0 x 35.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-16	2024-04-16
psSAR1g [W/kg]	2.49	2.50
psSAR10g [W/kg]	1.17	1.20
Power Drift [dB]	-0.01	-0.01



Plots of System Verification

Measurement Report

S07 System Check_H6500_240416

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			CW	6500.0	5.35	5.94	34.7

Hardware Setup

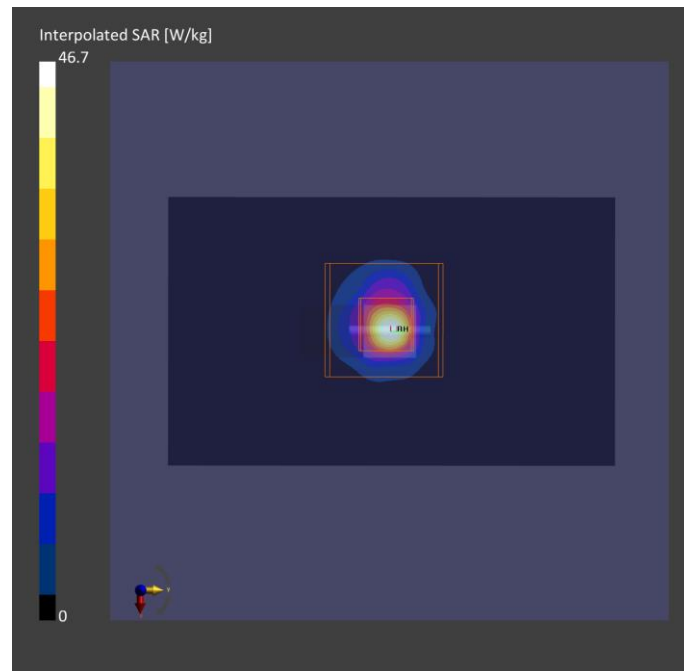
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H51T72N6 , 2024-Apr-16	EX3DV4 - SN7554, 2023-09-19	DAE4 Sn1431, 2023-08-24

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	2024-04-16	2024-04-16
psSAR1g [W/kg]	24.3	28.3
psSAR10g [W/kg]	4.75	5.23
psAPD (1.0cm2, sq) [W/m2]		315
psAPD (4.0cm2, sq) [W/m2]		133
Power Drift [dB]	0.02	-0.05





Plots of System Verification

Measurement Report

S07 PD_System Check_10 GHz_2024.04.16

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

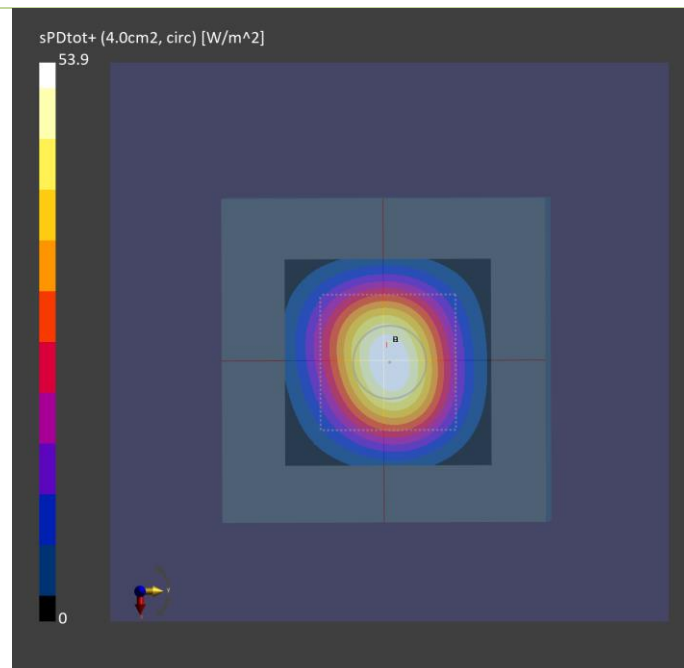
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	--Air--	EUmmWV4 - SN9615_F1-55GHz, 2023-07-10	DAE4 Sn1431, 2023-08-24

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	2024-04-16
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	53.7
psPDtot+ [W/m ²]	53.9
psPDmod+ [W/m ²]	54.1
E _{max} [V/m]	149
Power Drift [dB]	-0.04



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_802.11b_Left Side_0mm_Ch11_Ant 0_Battery1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24030647,	332.0 x 238.0 x 36.0		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	WLAN 2.4GHz	WLAN, 10012-CAB	2462.000, 11	7.71	1.88	41.0

Hardware Setup

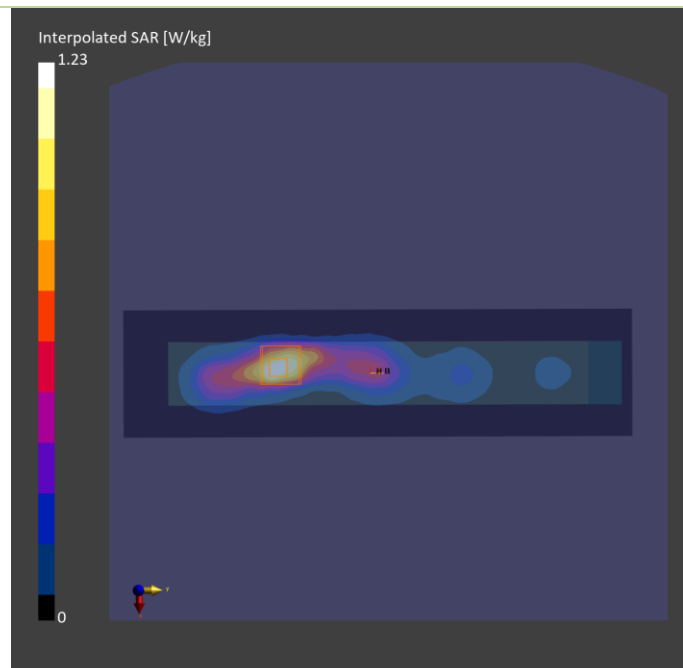
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H06T27N6, 2024-Apr-16	EX3DV4 - SN7554, 2023-09-19	DAE4 Sn1431, 2023-08-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 288.0	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	2024-04-16	2024-04-16
psSAR1g [W/kg]	0.968	1.12
psSAR10g [W/kg]	0.474	0.502
Power Drift [dB]	-0.01	-0.03
M2/M1 [%]		50.3
Dist 3dB Peak [mm]		7.7



Plots of Measurement

Measurement Report

P02 WLAN5.3G_802.11ac VHT160_Right Side_0mm_Ch50_Ant 1_Battery1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24030647,	332.0 x 238.0 x 36.0		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	5.39	4.49	36.8

Hardware Setup

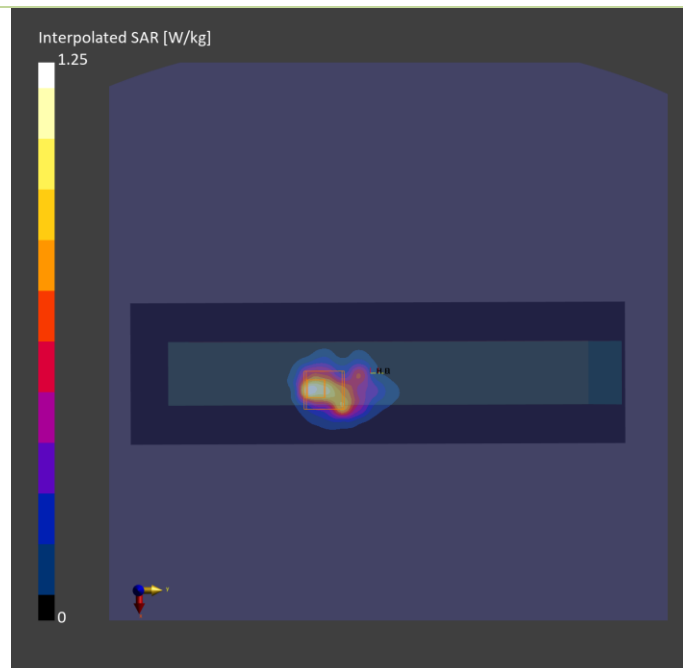
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H51T72N6, 2024-Apr-16	EX3DV4 - SN7554, 2023-09-19	DAE4 Sn1431, 2023-08-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 280.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	2.7 x 2.7 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2024-04-16	2024-04-16
psSAR1g [W/kg]	0.845	1.12
psSAR10g [W/kg]	0.300	0.317
Power Drift [dB]	0.10	0.11
M2/M1 [%]		64.3
Dist 3dB Peak [mm]		3.8



Plots of Measurement

Measurement Report

P03 WLAN5.6G_802.11ac VHT160_Right Side_0mm_Ch114_Ant 1_Battery1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24030647,	332.0 x 238.0 x 36.0		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	5570.0, 114	4.41	4.91	36.9

Hardware Setup

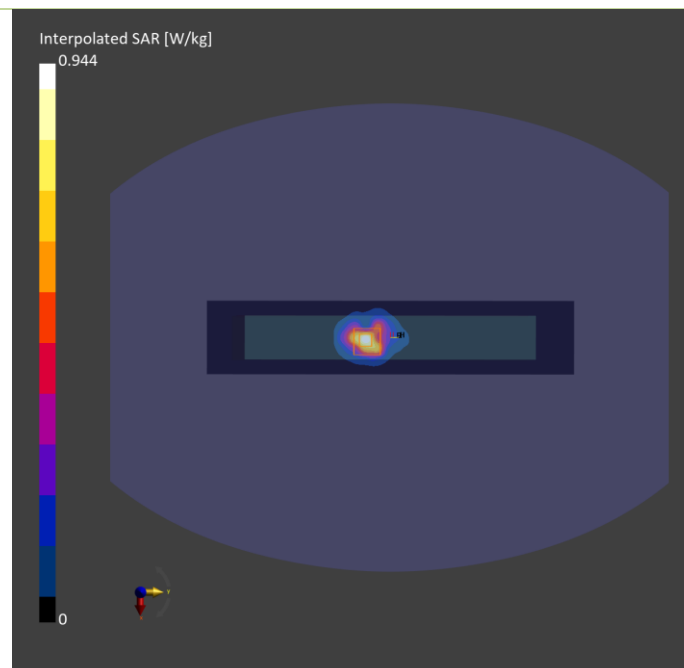
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-15	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 300.0	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	2024-04-15	2024-04-15
psSAR1g [W/kg]	0.650	0.934
psSAR10g [W/kg]	0.232	0.244
Power Drift [dB]	0.09	-0.07
M2/M1 [%]		62.1
Dist 3dB Peak [mm]		4.6



Measurement Report

Plots of Measurement

P04 WLAN5.8G_802.11ac VHT80_Right Side_0mm_Ch155_Ant 0+1_Battery1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24030647,	332.0 x 238.0 x 36.0		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, 10544-AAC	5775.0, 155	4.49	5.15	36.5

Hardware Setup

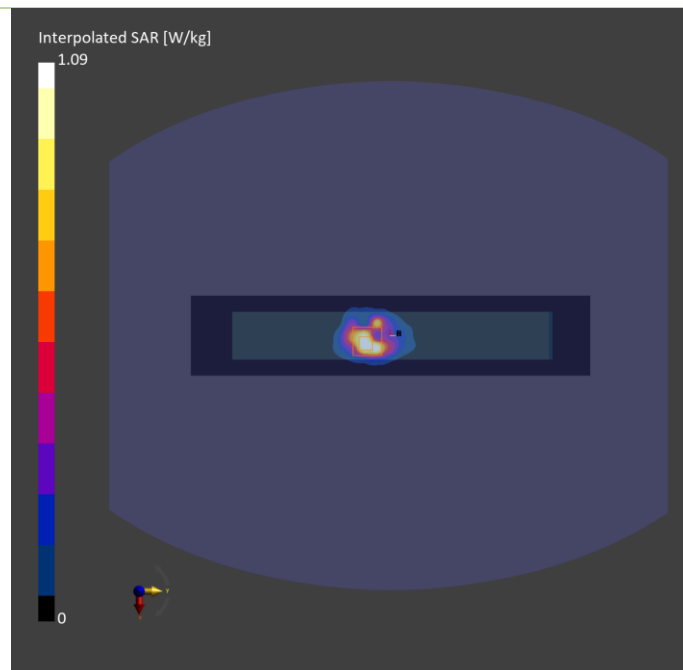
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-15	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 300.0	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	2024-04-15	2024-04-15
psSAR1g [W/kg]	0.797	1.03
psSAR10g [W/kg]	0.280	0.251
Power Drift [dB]	-0.06	-0.08
M2/M1 [%]		62.6
Dist 3dB Peak [mm]		4.6



Plots of Measurement

Measurement Report

P05 WLAN5.9G_802.11ac VHT160_Right Side_0mm_Ch163_Ant 1_Battery1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24030647,	332.0 x 238.0 x 36.0		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	U-NII-4	WLAN, 10554-AAE	5815.000, 163	4.31	5.21	35.6

Hardware Setup

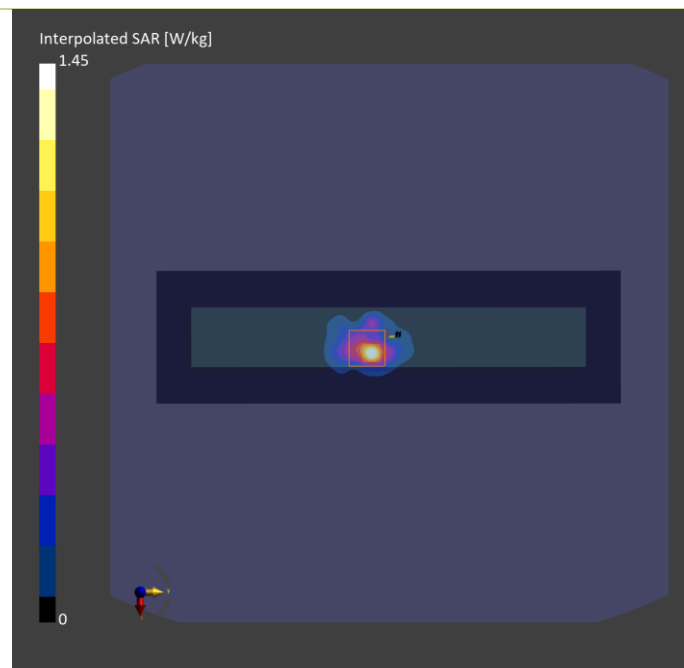
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H51T72N8 , 2024-Apr-24	EX3DV4 - SN7736, 2024-02-01	DAE4 Sn1761, 2023-11-17

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 280.0	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	2024-04-24	2024-04-24
psSAR1g [W/kg]	0.869	0.747
psSAR10g [W/kg]	0.255	0.207
Power Drift [dB]	-0.12	0.13
M2/M1 [%]		59.0
Dist 3dB Peak [mm]		4.6



Plots of Measurement

Measurement Report

P06 BT_BDR_Right Side_0mm_Ch0_Ant 1_Battery1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24030647,	332.0 x 238.0 x 36.0		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	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2402.000, 0	7.71	1.84	41.1

Hardware Setup

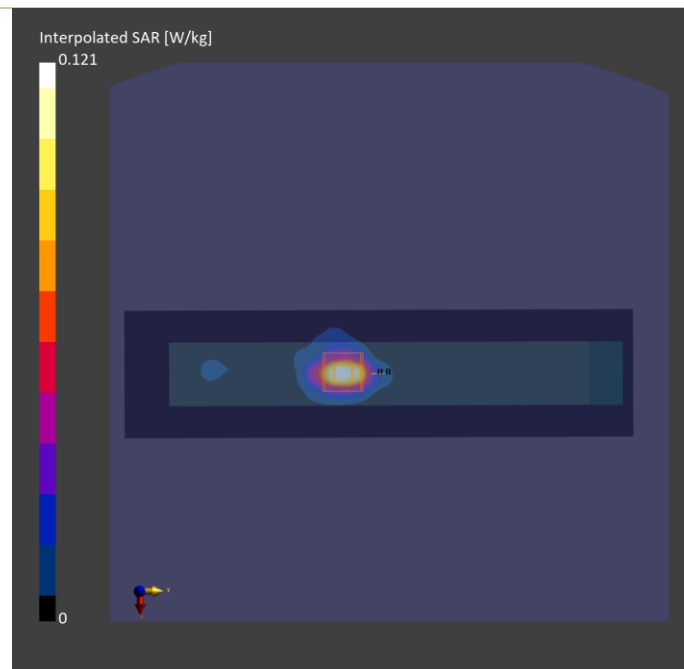
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H06T27N6 , 2024-Apr-16	EX3DV4 - SN7554, 2023-09-19	DAE4 Sn1431, 2023-08-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 288.0	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	2024-04-16	2024-04-16
psSAR1g [W/kg]	0.093	0.099
psSAR10g [W/kg]	0.040	0.044
Power Drift [dB]	0.04	0.07
M2/M1 [%]		31.3
Dist 3dB Peak [mm]		6.0



Plots of Measurement

Measurement Report

P07 UNII-5_802.11ax HE160_Left Side_0mm_Ch15_Ant 0_Battery1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24030647,	332.0 x 238.0 x 36.0		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	5.35	5.39	35.4

Hardware Setup

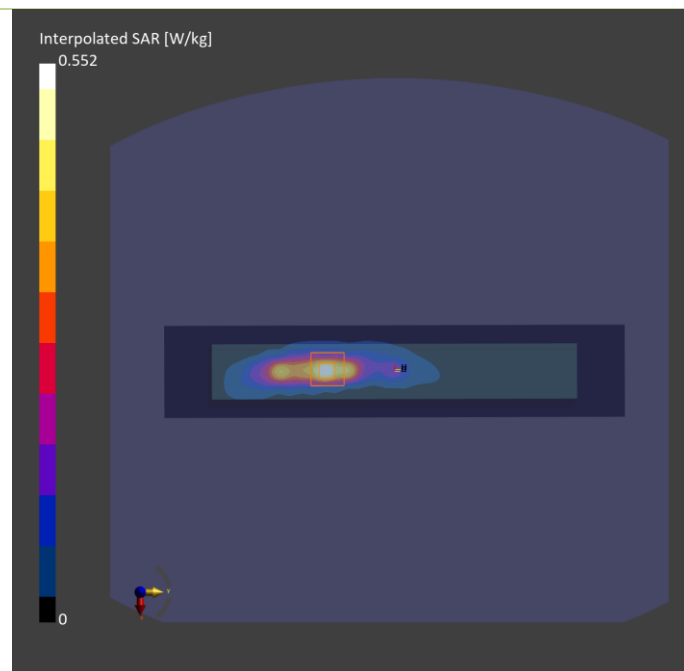
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H51T72N6 , 2024-Apr-16	EX3DV4 - SN7554, 2023-09-19	DAE4 Sn1431, 2023-08-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 300.0	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	2024-04-16	2024-04-16
psSAR1g [W/kg]	0.396	0.536
psSAR10g [W/kg]	0.135	0.148
psAPD (1.0cm2, sq) [W/m2]		5.36
psAPD (4.0cm2, sq) [W/m2]		3.44
Power Drift [dB]	-0.06	-0.03
M2/M1 [%]		55.2
Dist 3dB Peak [mm]		5.9



Plots of Measurement

Measurement Report

P07 UNII-5_802.11ax HE160_Left Side_0mm_Ch15_Ant 0_Battery1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, CDVB-WTW-P24030647	332.0 x 238.0 x 36.0		Tablet

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Left Side, 0.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	1.0

Hardware Setup

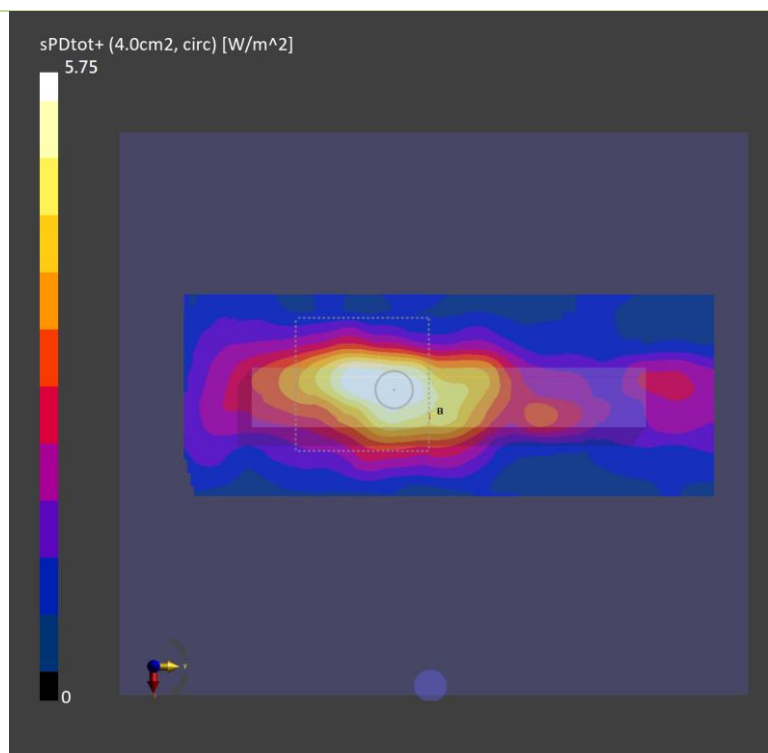
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	--Air--	EUmmWV4 - SN9615_F1-55GHz, 2023-07-10	DAE4 Sn1431, 2023-08-24

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	2024-04-16
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	4.08
psPDtot+ [W/m ²]	5.75
psPDmod+ [W/m ²]	7.24
E _{max} [V/m]	60.6
Power Drift [dB]	0.01



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.

Tissue Verification									Validation for CW			Validation for Modulation				System Check					Note			
Plot No.	Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N	Output Power (dBm)
S01	2450	22.4	1.87	41.1	1.8	39.2	3.89	4.85	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 16, 2024	2450	52.90	2.5	49.88	-5.71	737	7554	1431	17
S02	5250	22.4	4.49	36.8	4.71	35.9	-4.67	2.51	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 16, 2024	5250	80.20	3.91	78.01	-2.72	1019	7554	1431	17
S03	5600	22.2	4.95	36.8	5.07	35.5	-2.37	3.66	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 15, 2024	5600	82.90	4.51	89.99	8.55	1019	7797	1757	17
S04	5750	22.2	5.13	36.5	5.22	35.4	-0.77	3.11	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 15, 2024	5750	78.40	3.76	75.02	-4.31	1203	7797	1757	17
S05	5800	22.7	5.19	35.7	5.27	35.3	-1.52	1.13	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 24, 2024	5800	80.30	3.66	73.03	-9.06	1019	7736	1761	17
S06	2450	22.4	1.87	41.1	1.8	39.2	3.89	4.85	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 16, 2024	2450	52.90	2.5	49.88	-5.71	737	7554	1431	17
S07	6500	22.4	5.94	34.7	6.07	34.5	-2.14	0.58	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 16, 2024	6500	292.00	28.3	283.00	-3.08	1008	7554	1431	20



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 [%]
S07	Apr. 16, 2024	10	9615	1025	4	10.0	56.2	53.9	-4.09%

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	18.5	17.0			
	6	2437	18.5	17.0			
	11	2462	18.5	17.0			
	12	2467	18.5	17.0			
	13	2472	17.5	16.0			
802.11g	1	2412	18.5	17.0			
	6	2437	18.5	17.0			
	11	2462	18.5	17.0			
	12	2467	18.0	17.0			
	13	2472	14.5	14.5			
802.11n HT20	1	2412	18.5	17.0	16.5	16.5	19.5
	6	2437	18.5	17.0	16.5	16.5	19.5
	11	2462	18.5	17.0	16.5	16.5	19.5
	12	2467	14.5	14.5	14.5	14.5	17.5
	13	2472	12.5	12.5	12.5	12.5	15.5
802.11n HT40	3	2422	18.5	17.0	16.5	16.5	19.5
	6	2437	18.5	17.0	16.5	16.5	19.5
	9	2452	18.5	17.0	16.5	16.5	19.5
	10	2457	12.0	12.0	12.0	12.0	15.0
	11	2462	12.0	12.0	12.0	12.0	15.0
802.11ax HE20	1	2412	18.5	17.0	16.5	16.5	19.5
	6	2437	18.5	17.0	16.5	16.5	19.5
	11	2462	18.5	17.0	16.5	16.5	19.5
	12	2467	14.5	14.5	14.5	14.5	17.5
	13	2472	12.5	12.5	12.5	12.5	15.5
802.11ax HE40	3	2422	18.5	17.0	16.5	16.5	19.5
	6	2437	18.5	17.0	16.5	16.5	19.5
	9	2452	18.5	17.0	16.5	16.5	19.5
	10	2457	12.0	12.0	12.0	12.0	15.0
	11	2462	12.0	12.0	12.0	12.0	15.0

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		4.0	
	19	2440		4.0	
	39	2480		4.0	

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	15.00	15.00			
	40	5200	15.00	15.00			
	44	5220	15.00	15.00			
	48	5240	15.00	15.00			
802.11n HT20	36	5180	15.00	15.00	15.00	15.00	18.00
	40	5200	15.00	15.00	15.00	15.00	18.00
	44	5220	15.00	15.00	15.00	15.00	18.00
	48	5240	15.00	15.00	15.00	15.00	18.00
802.11n HT40	38	5190	15.00	15.00	15.00	15.00	18.00
	46	5230	15.00	15.00	15.00	15.00	18.00
802.11ac VHT80	42	5210	15.00	15.00	15.00	15.00	18.00
802.11ax HE20	36	5180	15.00	15.00	15.00	15.00	18.00
	40	5200	15.00	15.00	15.00	15.00	18.00
	44	5220	15.00	15.00	15.00	15.00	18.00
	48	5240	15.00	15.00	15.00	15.00	18.00
802.11ax HE40	38	5190	15.00	15.00	15.00	15.00	18.00
	46	5230	15.00	15.00	15.00	15.00	18.00
802.11ax HE80	42	5210	15.00	15.00	15.00	15.00	18.00

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	5260.00	15.00	15.00			
	56	5280.00	15.00	15.00			
	60	5300.00	15.00	15.00			
	64	5320.00	15.00	15.00			
802.11n HT20	52	5260.00	15.00	15.00	15.00	15.00	18.00
	56	5280.00	15.00	15.00	15.00	15.00	18.00
	60	5300.00	15.00	15.00	15.00	15.00	18.00
	64	5320.00	15.00	15.00	15.00	15.00	18.00
802.11n HT40	54	5270.00	15.00	15.00	15.00	15.00	18.00
	62	5310.00	15.00	15.00	15.00	15.00	18.00
802.11ac VHT80	58	5290.00	15.00	15.00	15.00	15.00	18.00
802.11ac VHT160	50	5250.00	15.00	15.00	15.00	15.00	18.00
802.11ax HE20	52	5260.00	15.00	15.00	15.00	15.00	18.00
	56	5280.00	15.00	15.00	15.00	15.00	18.00
	60	5300.00	15.00	15.00	15.00	15.00	18.00
	64	5320.00	15.00	15.00	15.00	15.00	18.00
802.11ax HE40	54	5270.00	15.00	15.00	15.00	15.00	18.00
	62	5310.00	15.00	15.00	15.00	15.00	18.00
802.11ax HE80	58	5290.00	15.00	15.00	15.00	15.00	18.00
802.11ax HE160	50	5250.00	15.00	15.00	15.00	15.00	18.00

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	14.50	14.50			
	116	5580	14.50	14.50			
	120	5600	14.50	14.50			
	124	5620	14.50	14.50			
	132	5660	14.50	14.50			
	140	5700	14.50	14.50			
	144	5720	14.50	14.50			
802.11n HT20	100	5500	14.50	14.50	14.50	14.50	17.50
	116	5580	14.50	14.50	14.50	14.50	17.50
	120	5600	14.50	14.50	14.50	14.50	17.50
	124	5620	14.50	14.50	14.50	14.50	17.50
	132	5660	14.50	14.50	14.50	14.50	17.50
	140	5700	14.50	14.50	14.50	14.50	17.50
	144	5720	14.50	14.50	14.50	14.50	17.50
802.11n HT40	102	5510	14.50	14.50	14.50	14.50	17.50
	110	5550	14.50	14.50	14.50	14.50	17.50
	118	5590	14.50	14.50	14.50	14.50	17.50
	126	5630	14.50	14.50	14.50	14.50	17.50
	134	5670	14.50	14.50	14.50	14.50	17.50
	142	5710	14.50	14.50	14.50	14.50	17.50
802.11ac VHT80	106	5530	14.50	14.50	14.50	14.50	17.50
	122	5610	14.50	14.50	14.50	14.50	17.50
	138	5690	14.50	14.50	14.50	14.50	17.50
802.11ac VHT160	114	5570	14.50	14.50	14.50	14.50	17.50
802.11ax HE20	100	5500	14.50	14.50	14.50	14.50	17.50
	116	5580	14.50	14.50	14.50	14.50	17.50
	120	5600	14.50	14.50	14.50	14.50	17.50
	124	5620	14.50	14.50	14.50	14.50	17.50
	132	5660	14.50	14.50	14.50	14.50	17.50
	140	5700	14.50	14.50	14.50	14.50	17.50
	144	5720	14.50	14.50	14.50	14.50	17.50
802.11ax HE40	102	5510	14.50	14.50	14.50	14.50	17.50
	110	5550	14.50	14.50	14.50	14.50	17.50
	118	5590	14.50	14.50	14.50	14.50	17.50
	126	5630	14.50	14.50	14.50	14.50	17.50
	134	5670	14.50	14.50	14.50	14.50	17.50
	142	5710	14.50	14.50	14.50	14.50	17.50
802.11ax HE80	106	5530	14.50	14.50	14.50	14.50	17.50
	122	5610	14.50	14.50	14.50	14.50	17.50
	138	5690	14.50	14.50	14.50	14.50	17.50
802.11ax HE160	114	5570	14.50	14.50	14.50	14.50	17.50

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	14.5	14.5			
	153	5765	14.5	14.5			
	157	5785	14.5	14.5			
	161	5805	14.5	14.5			
	165	5825	14.5	14.5			
802.11n HT20	149	5745	14.5	14.5	14.5	14.5	17.5
	153	5765	14.5	14.5	14.5	14.5	17.5
	157	5785	14.5	14.5	14.5	14.5	17.5
	161	5805	14.5	14.5	14.5	14.5	17.5
	165	5825	14.5	14.5	14.5	14.5	17.5
802.11n HT40	151	5755	14.5	14.5	14.5	14.5	17.5
	159	5795	14.5	14.5	14.5	14.5	17.5
802.11ac VHT80	155	5775	14.5	14.5	14.5	14.5	17.5
802.11ax HE20	149	5745	14.5	14.5	14.5	14.5	17.5
	153	5765	14.5	14.5	14.5	14.5	17.5
	157	5785	14.5	14.5	14.5	14.5	17.5
	161	5805	14.5	14.5	14.5	14.5	17.5
	165	5825	14.5	14.5	14.5	14.5	17.5
802.11ax HE40	151	5755	14.5	14.5	14.5	14.5	17.5
	159	5795	14.5	14.5	14.5	14.5	17.5
802.11ax HE80	155	5775	14.5	14.5	14.5	14.5	17.5

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	14.5	14.5			
	173	5865	14.5	14.5			
	177	5885	14.5	14.5			
802.11n HT20	169	5845	14.5	14.5	14.5	14.5	17.5
	173	5865	14.5	14.5	14.5	14.5	17.5
	177	5885	14.5	14.5	14.5	14.5	17.5
802.11n HT40	167	5835	14.5	14.5	14.5	14.5	17.5
	175	5875	14.5	14.5	14.5	14.5	17.5
802.11ac VHT80	171	5855	14.5	14.5	14.5	14.5	17.5
802.11ac VHT160	163	5815	14.5	14.5	14.5	14.5	17.5
802.11ax HE20	169	5845	14.5	14.5	14.5	14.5	17.5
	173	5865	14.5	14.5	14.5	14.5	17.5
	177	5885	14.5	14.5	14.5	14.5	17.5
802.11ax HE40	167	5835	14.5	14.5	14.5	14.5	17.5
	175	5875	14.5	14.5	14.5	14.5	17.5
802.11ax HE80	171	5855	14.5	14.5	14.5	14.5	17.5
802.11ax HE160	163	5815	14.5	14.5	14.5	14.5	17.5

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 HE20	1	5955	5.0	5.0	2.0	2.0	5.0
	5	5975	5.0	5.0	2.0	2.0	5.0
	9	5995	5.0	5.0	2.0	2.0	5.0
	13	6015	5.0	5.0	2.0	2.0	5.0
	17	6035	5.0	5.0	2.0	2.0	5.0
	21	6055	5.0	5.0	2.0	2.0	5.0
	25	6075	5.0	5.0	2.0	2.0	5.0
	29	6095	5.0	5.0	2.0	2.0	5.0
	33	6115	5.0	5.0	2.0	2.0	5.0
	37	6135	5.0	5.0	2.0	2.0	5.0
	41	6155	5.0	5.0	2.0	2.0	5.0
	45	6175	5.0	5.0	2.0	2.0	5.0
	49	6195	5.0	5.0	2.0	2.0	5.0
	53	6215	5.0	5.0	2.0	2.0	5.0
	57	6235	5.0	5.0	2.0	2.0	5.0
	61	6255	5.0	5.0	2.0	2.0	5.0
	65	6275	5.0	5.0	2.0	2.0	5.0
	69	6295	5.0	5.0	2.0	2.0	5.0
	73	6315	5.0	5.0	2.0	2.0	5.0
	77	6335	5.0	5.0	2.0	2.0	5.0
	81	6355	5.0	5.0	2.0	2.0	5.0
	85	6375	5.0	5.0	2.0	2.0	5.0
	89	6395	5.0	5.0	2.0	2.0	5.0
	93	6415	5.0	5.0	2.0	2.0	5.0
802.11ax HE40	3	5965	8.0	8.0	5.0	5.0	8.0
	11	6005	8.0	8.0	5.0	5.0	8.0
	19	6045	8.0	8.0	5.0	5.0	8.0
	27	6085	8.0	8.0	5.0	5.0	8.0
	35	6125	8.0	8.0	5.0	5.0	8.0
	43	6165	8.0	8.0	5.0	5.0	8.0
	51	6205	8.0	8.0	5.0	5.0	8.0
	59	6245	8.0	8.0	5.0	5.0	8.0
	67	6285	8.0	8.0	5.0	5.0	8.0
	75	6325	8.0	8.0	5.0	5.0	8.0
	83	6365	8.0	8.0	5.0	5.0	8.0
	91	6405	8.0	8.0	5.0	5.0	8.0
802.11ax HE80	7	5985	11.0	11.0	8.0	8.0	11.0
	23	6065	11.0	11.0	8.0	8.0	11.0
	39	6145	11.0	11.0	8.0	8.0	11.0
	55	6225	11.0	11.0	8.0	8.0	11.0
	71	6305	11.0	11.0	8.0	8.0	11.0
	87	6385	11.0	11.0	8.0	8.0	11.0
802.11ax HE160	15	6025	13.0	13.0	10.0	10.0	13.0
	47	6185	13.0	13.0	10.0	10.0	13.0
	79	6345	13.0	13.0	10.0	10.0	13.0

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	6.0	6.0	3.0	3.0	6.0
	101	6455	6.0	6.0	3.0	3.0	6.0
	105	6475	6.0	6.0	3.0	3.0	6.0
	109	6495	6.0	6.0	3.0	3.0	6.0
	113	6515	6.0	6.0	3.0	3.0	6.0
802.11ax HE40	99	6445	8.5	8.5	5.5	5.5	8.5
	107	6485	8.5	8.5	5.5	5.5	8.5
	115	6525	8.5	8.5	5.5	5.5	8.5
802.11ax HE80	103	6465	11.0	11.0	8.0	8.0	11.0
	119	6545	11.0	11.0	8.0	8.0	11.0
802.11ax HE160	111	6505	13.0	13.0	10.0	10.0	13.0

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	117	6535	5.0	5.0	2.0	2.0	5.0
	121	6555	5.0	5.0	2.0	2.0	5.0
	125	6575	5.0	5.0	2.0	2.0	5.0
	129	6595	5.0	5.0	2.0	2.0	5.0
	133	6615	5.0	5.0	2.0	2.0	5.0
	137	6635	5.0	5.0	2.0	2.0	5.0
	141	6655	5.0	5.0	2.0	2.0	5.0
	145	6675	5.0	5.0	2.0	2.0	5.0
	149	6695	5.0	5.0	2.0	2.0	5.0
	153	6715	5.0	5.0	2.0	2.0	5.0
	157	6735	5.0	5.0	2.0	2.0	5.0
	161	6755	5.0	5.0	2.0	2.0	5.0
	165	6775	5.0	5.0	2.0	2.0	5.0
	169	6795	5.0	5.0	2.0	2.0	5.0
	173	6815	5.0	5.0	2.0	2.0	5.0
	177	6835	5.0	5.0	2.0	2.0	5.0
	181	6855	5.0	5.0	2.0	2.0	5.0
	185	6875	5.0	5.0	2.0	2.0	5.0
802.11ax HE40	123	6565	8.0	8.0	5.0	5.0	8.0
	131	6605	8.0	8.0	5.0	5.0	8.0
	139	6645	8.0	8.0	5.0	5.0	8.0
	147	6685	8.0	8.0	5.0	5.0	8.0
	155	6725	8.0	8.0	5.0	5.0	8.0
	163	6765	8.0	8.0	5.0	5.0	8.0
	171	6805	8.0	8.0	5.0	5.0	8.0
	179	6845	8.0	8.0	5.0	5.0	8.0
	187	6885	8.0	8.0	5.0	5.0	8.0
802.11ax HE80	135	6625	10.5	10.5	7.5	7.5	10.5
	151	6705	10.5	10.5	7.5	7.5	10.5
	167	6785	10.5	10.5	7.5	7.5	10.5
	183	6865	10.5	10.5	7.5	7.5	10.5
802.11ax HE160	143	6665	13.0	13.0	10.0	10.0	13.0
	175	6825	13.0	13.0	10.0	10.0	13.0

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	5.0	5.0	2.0	2.0	5.0
	193	6915	5.0	5.0	2.0	2.0	5.0
	197	6935	5.0	5.0	2.0	2.0	5.0
	201	6955	5.0	5.0	2.0	2.0	5.0
	205	6975	5.0	5.0	2.0	2.0	5.0
	209	6995	5.0	5.0	2.0	2.0	5.0
	213	7015	5.0	5.0	2.0	2.0	5.0
	217	7035	5.0	5.0	2.0	2.0	5.0
	221	7055	5.0	5.0	2.0	2.0	5.0
	225	7075	5.0	5.0	2.0	2.0	5.0
	229	7095	5.0	5.0	2.0	2.0	5.0
	233	7115	5.0	5.0	-2.0	-2.0	1.0
802.11ax HE40	195	6925	8.0	8.0	5.0	5.0	8.0
	203	6965	8.0	8.0	5.0	5.0	8.0
	211	7005	8.0	8.0	5.0	5.0	8.0
	219	7045	8.0	8.0	5.0	5.0	8.0
	227	7085	8.0	8.0	5.0	5.0	8.0
802.11ax HE80	199	6945	10.5	10.5	7.5	7.5	10.5
	215	7025	10.5	10.5	7.5	7.5	10.5
802.11ax HE160	207	6985	13.0	13.0	10.0	10.0	13.0

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	18.48
	6	2437	18.43
	11	2462	18.45
	12	2467	18.41
	13	2472	17.31
802.11g	1	2412	18.44
	6	2437	18.35
	11	2462	18.37
	12	2467	17.65
	13	2472	13.33
802.11n HT20	1	2412	18.42
	6	2437	18.39
	11	2462	18.35
	12	2467	14.33
	13	2472	12.16
802.11n HT40	3	2422	18.38
	6	2437	18.43
	9	2452	18.44
	10	2457	11.95
	11	2462	11.93
802.11ax HE20	1	2412	18.43
	6	2437	18.37
	11	2462	18.45
	12	2467	14.41
	13	2472	12.36
802.11ax HE40	3	2422	18.38
	6	2437	18.43
	9	2452	18.43
	10	2457	11.96
	11	2462	11.91

Conducted Power (Full)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	16.99
	6	2437	16.92
	11	2462	16.94
	12	2467	16.91
	13	2472	15.93
802.11g	1	2412	16.87
	6	2437	16.93
	11	2462	16.95
	12	2467	16.96
	13	2472	14.41
802.11n HT20	1	2412	16.89
	6	2437	16.89
	11	2462	16.94
	12	2467	14.39
	13	2472	12.41
802.11n HT40	3	2422	16.95
	6	2437	16.94
	9	2452	16.87
	10	2457	11.95
	11	2462	11.91
802.11ax HE20	1	2412	16.87
	6	2437	16.91
	11	2462	16.89
	12	2467	14.39
	13	2472	12.41
802.11ax HE40	3	2422	16.91
	6	2437	16.95
	9	2452	16.89
	10	2457	11.98
	11	2462	11.95

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	1	2412			
	6	2437			
	11	2462			
	12	2467			
	13	2472			
802.11g	1	2412			
	6	2437			
	11	2462			
	12	2467			
	13	2472			
802.11n HT20	1	2412	16.21	16.32	19.28
	6	2437	16.15	16.21	19.19
	11	2462	16.19	16.25	19.23
	12	2467	14.46	14.41	17.45
	13	2472	12.15	12.19	15.18
802.11n HT40	3	2422	16.38	16.45	19.43
	6	2437	16.31	16.43	19.38
	9	2452	16.32	16.38	19.36
	10	2457	10.88	11.01	13.96
	11	2462	11.42	11.92	14.69
802.11ax HE20	1	2412	16.36	16.27	19.33
	6	2437	16.26	16.21	19.25
	11	2462	16.22	16.25	19.25
	12	2467	14.09	14.39	17.25
	13	2472	11.77	12.05	14.92
802.11ax HE40	3	2422	16.12	16.19	19.17
	6	2437	16.15	16.35	19.26
	9	2452	16.36	16.37	19.38
	10	2457	10.65	10.87	13.77
	11	2462	11.63	11.93	14.79

Conducted Power (Full)			
Bluetooth Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	9.48
	39	2441	9.47
	78	2480	9.3
LE	0	2402	3.21
	19	2440	3.61
	39	2480	3.94

Conducted Power (Full)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	14.95
	40	5200	14.87
	44	5220	14.92
	48	5240	14.82
802.11n HT20	36	5180	14.88
	40	5200	14.87
	44	5220	14.81
	48	5240	14.83
802.11n HT40	38	5190	14.85
	46	5230	14.82
802.11ac VHT80	42	5210	14.97
802.11ax HE20	36	5180	14.85
	40	5200	14.8
	44	5220	14.88
	48	5240	14.8
802.11ax HE40	38	5190	14.83
	46	5230	14.8
802.11ax HE80	42	5210	14.84

Conducted Power (Full)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	14.93
	40	5200	14.88
	44	5220	14.9
	48	5240	14.82
802.11n HT20	36	5180	14.8
	40	5200	14.84
	44	5220	14.81
	48	5240	14.84
802.11n HT40	38	5190	14.85
	46	5230	14.88
802.11ac VHT80	42	5210	14.96
802.11ax HE20	36	5180	14.86
	40	5200	14.84
	44	5220	14.82
	48	5240	14.88
802.11ax HE40	38	5190	14.8
	46	5230	14.85
802.11ax HE80	42	5210	14.84

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	36	5180			
	40	5200			
	44	5220			
	48	5240			
802.11n HT20	36	5180	14.9	14.81	17.87
	40	5200	14.88	14.89	17.9
	44	5220	14.82	14.85	17.85
	48	5240	14.9	14.84	17.88
802.11n HT40	38	5190	14.89	14.8	17.86
	46	5230	14.8	14.88	17.85
802.11ac VHT80	42	5210	14.95	14.93	17.95
802.11ax HE20	36	5180	14.81	14.9	17.87
	40	5200	14.86	14.84	17.86
	44	5220	14.89	14.81	17.86
	48	5240	14.85	14.88	17.88
802.11ax HE40	38	5190	14.84	14.85	17.86
	46	5230	14.82	14.88	17.86
802.11ax HE80	42	5210	14.82	14.86	17.85

Conducted Power (Full)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	14.85
	56	5280	14.9
	60	5300	14.93
	64	5320	14.86
802.11n HT20	52	5260	14.93
	56	5280	14.88
	60	5300	14.93
	64	5320	14.86
802.11n HT40	54	5270	14.9
	62	5310	14.92
802.11ac VHT80	58	5290	14.88
802.11ac VHT160	50	5250	14.98
802.11ax HE20	52	5260	14.86
	56	5280	14.92
	60	5300	14.87
	64	5320	14.9
802.11ax HE40	54	5270	14.87
	62	5310	14.84
802.11ax HE80	58	5290	14.87
802.11ax HE160	50	5250	14.8

Conducted Power (Full)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	14.92
	56	5280	14.94
	60	5300	14.85
	64	5320	14.84
802.11n HT20	52	5260	14.9
	56	5280	14.82
	60	5300	14.9
	64	5320	14.94
802.11n HT40	54	5270	14.91
	62	5310	14.91
802.11ac VHT80	58	5290	14.88
802.11ac VHT160	50	5250	14.99
802.11ax HE20	52	5260	14.85
	56	5280	14.89
	60	5300	14.9
	64	5320	14.88
802.11ax HE40	54	5270	14.9
	62	5310	14.87
802.11ax HE80	58	5290	14.86
802.11ax HE160	50	5250	14.9

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	52	5260			
	56	5280			
	60	5300			
	64	5320			
802.11n HT20	52	5260	14.95	14.94	17.96
	56	5280	14.89	14.85	17.88
	60	5300	14.9	14.94	17.93
	64	5320	14.87	14.95	17.92
802.11n HT40	54	5270	14.86	14.92	17.9
	62	5310	14.95	14.9	17.94
802.11ac VHT80	58	5290	14.85	14.88	17.88
802.11ac VHT160	50	5250	14.96	14.98	17.98
802.11ax HE20	52	5260	14.89	14.91	17.91
	56	5280	14.85	14.87	17.87
	60	5300	14.95	14.86	17.92
	64	5320	14.87	14.8	17.85
802.11ax HE40	54	5270	14.83	14.81	17.83
	62	5310	14.89	14.85	17.88
802.11ax HE80	58	5290	14.9	14.9	17.91
802.11ax HE160	50	5250	14.8	14.81	17.82

Conducted Power (Full)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	14.31
	116	5580	14.37
	120	5600	14.32
	124	5620	14.31
	132	5660	14.32
	140	5700	14.34
	144	5720	14.24
802.11n HT20	100	5500	14.38
	116	5580	14.26
	120	5600	14.35
	124	5620	14.36
	132	5660	14.25
	140	5700	14.39
	144	5720	14.38
802.11n HT40	102	5510	14.38
	110	5550	14.34
	118	5590	14.28
	126	5630	14.29
	134	5670	14.24
	142	5710	14.37
802.11ac VHT80	106	5530	14.43
	122	5610	14.24
	138	5690	14.26
802.11ac VHT160	114	5570	14.21
802.11ax HE20	100	5500	14.16
	116	5580	14.18
	120	5600	14.34
	124	5620	14.42
	132	5660	14.31
	140	5700	14.22
	144	5720	14.42
802.11ax HE40	102	5510	14.36
	110	5550	14.37
	118	5590	14.28
	126	5630	14.41
	134	5670	14.25
	142	5710	14.37
802.11ax HE80	106	5530	14.24
	122	5610	14.21
	138	5690	14.22
802.11ax HE160	114	5570	14.25

Conducted Power (Full)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	14.33
	116	5580	14.25
	120	5600	14.41
	124	5620	14.32
	132	5660	14.29
	140	5700	14.41
	144	5720	14.29
802.11n HT20	100	5500	14.23
	116	5580	14.32
	120	5600	14.44
	124	5620	14.44
	132	5660	14.35
	140	5700	14.37
	144	5720	14.25
802.11n HT40	102	5510	14.32
	110	5550	14.32
	118	5590	14.41
	126	5630	14.34
	134	5670	14.22
	142	5710	14.35
802.11ac VHT80	106	5530	14.46
	122	5610	14.28
	138	5690	14.24
802.11ac VHT160	114	5570	14.34
802.11ax HE20	100	5500	14.31
	116	5580	14.37
	120	5600	14.33
	124	5620	14.31
	132	5660	14.35
	140	5700	14.42
	144	5720	14.35
802.11ax HE40	102	5510	14.31
	110	5550	14.23
	118	5590	14.23
	126	5630	14.42
	134	5670	14.21
	142	5710	14.22
802.11ax HE80	106	5530	14.44
	122	5610	14.42
	138	5690	14.19
802.11ax HE160	114	5570	14.41

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	100	5500			
	116	5580			
	120	5600			
	124	5620			
	132	5660			
	140	5700			
	144	5720			
802.11n HT20	100	5500	14.27	14.31	17.3
	116	5580	14.37	14.38	17.39
	120	5600	14.42	14.34	17.39
	124	5620	14.37	14.37	17.38
	132	5660	14.32	14.26	17.3
	140	5700	14.34	14.26	17.31
	144	5720	14.42	14.33	17.39
802.11n HT40	102	5510	14.31	14.34	17.34
	110	5550	14.38	14.42	17.41
	118	5590	14.31	14.37	17.35
	126	5630	14.22	14.32	17.28
	134	5670	14.39	14.37	17.39
	142	5710	14.26	14.28	17.28
802.11ac VHT80	106	5530	14.43	14.45	17.45
	122	5610	14.25	14.38	17.33
	138	5690	14.23	14.31	17.28
802.11ac VHT160	114	5570	14.42	14.39	17.42
802.11ax HE20	100	5500	14.21	14.28	17.26
	116	5580	14.34	14.34	17.35
	120	5600	14.34	14.36	17.36
	124	5620	14.34	14.43	17.4
	132	5660	14.28	14.23	17.27
	140	5700	14.26	14.23	17.26
	144	5720	14.25	14.34	17.31
802.11ax HE40	102	5510	14.21	14.29	17.26
	110	5550	14.38	14.32	17.36
	118	5590	14.41	14.35	17.39
	126	5630	14.41	14.41	17.42
	134	5670	14.31	14.31	17.32
	142	5710	14.21	14.35	17.29
802.11ax HE80	106	5530	14.29	14.42	17.37
	122	5610	14.36	14.27	17.33
	138	5690	14.28	14.34	17.32
802.11ax HE160	114	5570	14.38	14.32	17.36

Conducted Power (Full)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	14.21
	153	5765	14.34
	157	5785	14.27
	161	5805	14.29
	165	5825	14.22
802.11n HT20	149	5745	14.39
	153	5765	14.26
	157	5785	14.35
	161	5805	14.32
	165	5825	14.33
802.11n HT40	151	5755	14.22
	159	5795	14.37
802.11ac VHT80	155	5775	14.42
802.11ax HE20	149	5745	14.33
	153	5765	14.36
	157	5785	14.24
	161	5805	14.21
	165	5825	14.26
802.11ax HE40	151	5755	14.31
	159	5795	14.27
802.11ax HE80	155	5775	14.24

Conducted Power (Full)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	14.42
	153	5765	14.44
	157	5785	14.33
	161	5805	14.34
	165	5825	14.46
802.11n HT20	149	5745	14.41
	153	5765	14.43
	157	5785	14.46
	161	5805	14.29
	165	5825	14.33
802.11n HT40	151	5755	14.35
	159	5795	14.33
802.11ac VHT80	155	5775	14.48
802.11ax HE20	149	5745	14.28
	153	5765	14.41
	157	5785	14.43
	161	5805	14.38
	165	5825	14.36
802.11ax HE40	151	5755	14.23
	159	5795	14.39
802.11ax HE80	155	5775	14.24

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	149	5745			
	153	5765			
	157	5785			
	161	5805			
	165	5825			
802.11n HT20	149	5745	14.28	14.34	17.32
	153	5765	14.19	14.17	17.19
	157	5785	14.37	14.34	17.37
	161	5805	14.25	14.15	17.21
	165	5825	14.35	14.19	17.28
802.11n HT40	151	5755	14.32	14.37	17.36
	159	5795	14.36	14.47	17.43
802.11ac VHT80	155	5775	14.45	14.48	17.48
802.11ax HE20	149	5745	14.39	14.28	17.35
	153	5765	14.25	14.17	17.22
	157	5785	14.31	14.24	17.29
	161	5805	14.42	14.37	17.41
	165	5825	14.23	14.33	17.29
802.11ax HE40	151	5755	14.26	14.42	17.35
	159	5795	14.15	14.21	17.19
802.11ax HE80	155	5775	14.43	14.18	17.32

Conducted Power (Full)			
WLAN 5.9GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	169	5845	14.32
	173	5865	14.31
	177	5885	14.29
802.11n HT20	169	5845	14.24
	173	5865	14.22
	177	5885	14.41
802.11n HT40	167	5835	14.34
	175	5875	14.23
802.11ac VHT80	171	5855	14.37
802.11ac VHT160	163	5815	14.42
802.11ax HE20	169	5845	14.39
	173	5865	14.37
	177	5885	14.32
802.11ax HE40	167	5835	14.38
	175	5875	14.23
802.11ax HE80	171	5855	14.34
802.11ax HE160	163	5815	14.35

Conducted Power (Full)			
WLAN 5.9GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	169	5845	14.25
	173	5865	14.36
	177	5885	14.31
802.11n HT20	169	5845	14.28
	173	5865	14.36
	177	5885	14.37
802.11n HT40	167	5835	14.27
	175	5875	14.35
802.11ac VHT80	171	5855	14.29
802.11ac VHT160	163	5815	14.46
802.11ax HE20	169	5845	14.39
	173	5865	14.32
	177	5885	14.36
802.11ax HE40	167	5835	14.29
	175	5875	14.22
802.11ax HE80	171	5855	14.25
802.11ax HE160	163	5815	14.26

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	169	5845			
	173	5865			
	177	5885			
802.11n HT20	169	5845	14.21	14.22	17.23
	173	5865	14.27	14.31	17.3
	177	5885	14.35	14.36	17.37
802.11n HT40	167	5835	14.34	14.27	17.32
	175	5875	14.23	14.32	17.29
802.11ac VHT80	171	5855	14.23	14.26	17.26
802.11ac VHT160	163	5815	14.31	14.21	17.46
802.11ax HE20	169	5845	14.35	14.43	17.4
	173	5865	14.33	14.21	17.28
	177	5885	14.34	14.38	17.37
802.11ax HE40	167	5835	14.39	14.44	17.43
	175	5875	14.21	14.33	17.28
802.11ax HE80	171	5855	14.34	14.21	17.29
802.11ax HE160	163	5815	14.42	14.48	17.27

Conducted Power (Full)			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	1	5955	4.72
	5	5975	4.67
	9	5995	4.93
	13	6015	4.82
	17	6035	4.98
	21	6055	4.91
	25	6075	4.81
	29	6095	4.93
	33	6115	4.92
	37	6135	4.93
	41	6155	4.83
	45	6175	4.74
	49	6195	4.75
	53	6215	4.72
	57	6235	4.92
	61	6255	4.79
	65	6275	4.89
	69	6295	4.81
	73	6315	4.72
	77	6335	4.68
	81	6355	4.93
	85	6375	4.97
	89	6395	4.71
	93	6415	4.68
802.11ax HE40	3	5965	7.88
	11	6005	7.82
	19	6045	7.96
	27	6085	7.73
	35	6125	7.63
	43	6165	7.61
	51	6205	7.68
	59	6245	7.75
	67	6285	7.84
	75	6325	7.79
802.11ax HE80	7	5985	10.76
	23	6065	10.88
	39	6145	10.68
	55	6225	10.85
	71	6305	10.89
	87	6385	10.75
802.11ax HE160	15	6025	12.98
	47	6185	12.91
	79	6345	12.89

Conducted Power (Full)			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	1	5955	4.78
	5	5975	4.87
	9	5995	4.84
	13	6015	4.89
	17	6035	4.97
	21	6055	4.82
	25	6075	4.76
	29	6095	4.67
	33	6115	4.86
	37	6135	4.97
	41	6155	4.88
	45	6175	4.78
	49	6195	4.68
	53	6215	4.89
	57	6235	4.72
	61	6255	4.65
	65	6275	4.89
	69	6295	4.82
	73	6315	4.66
	77	6335	4.68
	81	6355	4.67
	85	6375	4.87
	89	6395	4.86
	93	6415	4.71
802.11ax HE40	3	5965	7.96
	11	6005	7.78
	19	6045	7.82
	27	6085	7.91
	35	6125	7.76
	43	6165	7.83
	51	6205	7.72
	59	6245	7.95
	67	6285	7.82
	75	6325	7.78
802.11ax HE80	7	5985	10.75
	23	6065	10.88
	39	6145	10.72
	55	6225	10.91
	71	6305	10.79
	87	6385	10.81
802.11ax HE160	15	6025	12.96
	47	6185	12.95
	79	6345	12.85

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	0.9	1.26	4.09
	5	5975	1.59	1.93	4.77
	9	5995	1.87	1.75	4.82
	13	6015	1.84	1.74	4.8
	17	6035	1.76	1.83	4.81
	21	6055	1.83	1.62	4.74
	25	6075	1.97	1.83	4.91
	29	6095	1.62	1.81	4.73
	33	6115	1.87	1.78	4.84
	37	6135	1.73	1.63	4.69
	41	6155	1.87	1.76	4.83
	45	6175	1.55	0.94	4.27
	49	6195	1.92	1.95	4.95
	53	6215	1.71	1.79	4.76
	57	6235	1.83	1.61	4.73
	61	6255	1.98	1.75	4.88
	65	6275	1.77	1.98	4.89
	69	6295	1.85	1.66	4.77
	73	6315	1.99	1.97	4.99
	77	6335	1.74	1.65	4.71
	81	6355	1.97	1.69	4.84
	85	6375	1.81	1.99	4.91
	89	6395	1.97	1.63	4.81
	93	6415	0.33	1.11	3.75
802.11ax HE40	3	5965	4.12	4.14	7.14
	11	6005	4.99	4.72	7.87
	19	6045	4.66	4.99	7.84
	27	6085	4.92	4.89	7.92
	35	6125	4.67	4.83	7.76
	43	6165	3.71	4.02	6.88
	51	6205	4.95	4.99	7.98
	59	6245	4.95	4.75	7.86
	67	6285	4.75	4.77	7.77
	75	6325	4.95	4.89	7.93
	83	6365	4.89	4.75	7.83
	91	6405	4.09	4.28	7.2
802.11ax HE80	7	5985	6.91	7.18	10.06
	23	6065	7.88	7.95	10.93
	39	6145	6.41	7.11	9.78
	55	6225	7.85	7.71	10.79
	71	6305	7.93	7.68	10.82
	87	6385	6.46	7.03	9.76
802.11ax HE160	15	6025	9.76	9.72	12.75
	47	6185	9.71	9.65	12.69
	79	6345	9.69	9.62	12.67

Conducted Power (Full)			
UNII-6 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	97	6435	5.91
	101	6455	5.82
	105	6475	5.82
	109	6495	5.88
	113	6515	5.93
802.11ax HE40	99	6445	8.21
	107	6485	8.33
	115	6525	8.12
802.11ax HE80	103	6465	10.78
	119	6545	10.76
802.11ax HE160	111	6505	12.93

Conducted Power (Full)			
UNII-6 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	97	6435	5.91
	101	6455	5.93
	105	6475	5.82
	109	6495	5.78
	113	6515	5.94
802.11ax HE40	99	6445	8.15
	107	6485	8.34
	115	6525	8.26
802.11ax HE80	103	6465	10.87
	119	6545	10.91
802.11ax HE160	111	6505	12.89

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	1.97	1.86	4.93
	101	6455	2.87	2.85	5.87
	105	6475	1.83	1.81	4.83
	109	6495	2.87	2.81	5.85
	113	6515	1.91	2.11	5.02
802.11ax HE40	99	6445	4.69	4.88	7.8
	107	6485	4.77	5.02	7.91
	115	6525	4.88	5.09	8
802.11ax HE80	103	6465	6.95	7.38	10.18
	119	6545	6.96	7.39	10.19
802.11ax HE160	111	6505	9.93	9.89	12.92

Conducted Power (Full)			
UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	117	6535	4.89
	121	6555	4.67
	125	6575	4.74
	129	6595	4.73
	133	6615	4.77
	137	6635	4.81
	141	6655	4.73
	145	6675	4.94
	149	6695	4.76
	153	6715	4.91
	157	6735	4.96
	161	6755	4.69
	165	6775	4.77
	169	6795	4.82
	173	6815	4.87
	177	6835	4.73
	181	6855	4.79
	185	6875	4.98
802.11ax HE40	123	6565	7.94
	131	6605	7.88
	139	6645	7.85
	147	6685	7.92
	155	6725	7.92
	163	6765	7.94
	171	6805	7.81
	179	6845	7.94
802.11ax HE80	187	6885	7.8
	135	6625	10.42
	151	6705	10.35
	167	6785	10.48
802.11ax HE160	183	6865	10.28
	143	6665	12.91
	175	6825	12.88

Conducted Power (Full)			
UNII-7 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	117	6535	4.65
	121	6555	4.92
	125	6575	4.85
	129	6595	4.83
	133	6615	4.72
	137	6635	4.77
	141	6655	4.65
	145	6675	4.89
	149	6695	4.85
	153	6715	4.68
	157	6735	4.82
	161	6755	4.79
	165	6775	4.98
	169	6795	4.95
	173	6815	4.85
	177	6835	4.96
	181	6855	4.84
	185	6875	4.81
802.11ax HE40	123	6565	7.85
	131	6605	7.87
	139	6645	7.83
	147	6685	7.66
	155	6725	7.83
	163	6765	7.77
	171	6805	7.83
	179	6845	7.87
802.11ax HE80	187	6885	7.78
	135	6625	10.27
	151	6705	10.46
	167	6785	10.39
802.11ax HE160	183	6865	10.28
	143	6665	12.93
	175	6825	12.92

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	117	6535	1.11	1.57	4.36
	121	6555	1.97	1.71	4.85
	125	6575	1.92	1.77	4.86
	129	6595	1.77	1.87	4.83
	133	6615	1.95	1.92	4.95
	137	6635	1.85	1.99	4.93
	141	6655	1.83	1.72	4.79
	145	6675	1.75	1.86	4.82
	149	6695	0.73	1.19	3.98
	153	6715	1.79	1.94	4.88
	157	6735	1.85	1.93	4.9
	161	6755	1.91	1.81	4.87
	165	6775	1.96	1.96	4.97
	169	6795	1.89	1.89	4.9
	173	6815	1.79	1.74	4.78
	177	6835	1.74	1.93	4.85
	181	6855	0.91	1.37	4.16
	185	6875	0.99	1.47	4.25
802.11ax HE40	123	6565	4.81	5.05	7.94
	131	6605	4.9	4.7	7.81
	139	6645	4.83	4.96	7.91
	147	6685	4.81	4.85	7.84
	155	6725	3.89	4.05	6.98
	163	6765	4.7	4.78	7.75
	171	6805	4.83	4.8	7.83
	179	6845	4.02	3.83	6.94
802.11ax HE80	187	6885	4.65	4.52	7.6
	135	6625	7.25	7.42	10.35
	151	6705	6.51	6.95	9.75
	167	6785	7.33	7.44	10.4
802.11ax HE160	183	6865	6.62	6.85	9.75
	143	6665	9.75	9.71	12.74
	175	6825	9.72	9.66	12.7

Conducted Power (Full)			
UNII-8 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	189	6895	4.75
	193	6915	4.82
	197	6935	4.72
	201	6955	4.88
	205	6975	4.75
	209	6995	4.82
	213	7015	4.8
	217	7035	4.78
	221	7055	4.73
	225	7075	4.66
	229	7095	4.65
	233	7115	4.87
802.11ax HE40	195	6925	7.88
	203	6965	7.96
	211	7005	7.78
	219	7045	7.92
	227	7085	7.91
802.11ax HE80	199	6945	10.22
	215	7025	10.47
802.11ax HE160	207	6985	12.87

Conducted Power (Full)			
UNII-8 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	189	6895	4.91
	193	6915	4.92
	197	6935	4.95
	201	6955	4.66
	205	6975	4.92
	209	6995	4.67
	213	7015	4.79
	217	7035	4.91
	221	7055	4.71
	225	7075	4.88
	229	7095	4.78
	233	7115	4.95
802.11ax HE40	195	6925	7.94
	203	6965	7.88
	211	7005	7.74
	219	7045	7.84
	227	7085	7.69
802.11ax HE80	199	6945	10.29
	215	7025	10.35
802.11ax HE160	207	6985	12.92

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	1.73	1.91	4.83
	193	6915	1.99	1.87	4.94
	197	6935	1.71	1.79	4.76
	201	6955	1.83	1.87	4.86
	205	6975	1.89	1.91	4.91
	209	6995	1.67	1.13	4.42
	213	7015	1.98	1.93	4.97
	217	7035	1.87	1.84	4.87
	221	7055	1.93	1.74	4.85
	225	7075	1.86	1.76	4.82
	229	7095	1.83	1.74	4.8
	233	7115	-2.26	-2.12	0.82
802.11ax HE40	195	6925	4.94	4.82	7.89
	203	6965	4.81	4.86	7.85
	211	7005	4.71	4.88	7.81
	219	7045	4.79	4.84	7.83
	227	7085	4.93	4.61	7.78
802.11ax HE80	199	6945	6.93	7.45	10.21
	215	7025	7.03	7.29	10.17
802.11ax HE160	207	6985	9.55	9.96	12.77

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	Ant Status	Battery	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	1	Ant 0	1	99.05	1.01	18.50	18.48	1.00	0.01	0.124	0.13
	WLAN2.4G	802.11b	Left Side	0	1	Ant 0	1	99.05	1.01	18.50	18.48	1.00	0.17	1.1	1.11
	WLAN2.4G	802.11b	Right Side	0	1	Ant 0	1	99.05	1.01	18.50	18.48	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Top Side	0	1	Ant 0	1	99.05	1.01	18.50	18.48	1.00	-0.14	0.091	0.09
	WLAN2.4G	802.11b	Bottom Side	0	1	Ant 0	1	99.05	1.01	18.50	18.48	1.00	0.14	0.098	0.10
	WLAN2.4G	802.11b	Rear Face	0	1	Ant 1	1	99.05	1.01	17.00	16.99	1.00	0.14	0.181	0.18
	WLAN2.4G	802.11b	Left Side	0	1	Ant 1	1	99.05	1.01	17.00	16.99	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Right Side	0	1	Ant 1	1	99.05	1.01	17.00	16.99	1.00	-0.02	1.1	1.11
	WLAN2.4G	802.11b	Top Side	0	1	Ant 1	1	99.05	1.01	17.00	16.99	1.00	0.05	0.154	0.16
	WLAN2.4G	802.11b	Bottom Side	0	1	Ant 1	1	99.05	1.01	17.00	16.99	1.00	0.17	0.023	0.02
	WLAN2.4G	802.11n HT40	Rear Face	0	3	Ant 0+1	1	97.77	1.02	19.50	19.43	1.02	0.11	0.139	0.14
	WLAN2.4G	802.11n HT40	Left Side	0	3	Ant 0+1	1	97.77	1.02	19.50	19.43	1.02	0.05	0.757	0.79
	WLAN2.4G	802.11n HT40	Right Side	0	3	Ant 0+1	1	97.77	1.02	19.50	19.43	1.02	-0.01	0.959	1.00
	WLAN2.4G	802.11n HT40	Top Side	0	3	Ant 0+1	1	97.77	1.02	19.50	19.43	1.02	0.16	0.095	0.10
	WLAN2.4G	802.11n HT40	Bottom Side	0	3	Ant 0+1	1	97.77	1.02	19.50	19.43	1.02	-0.14	0.086	0.09
	WLAN2.4G	802.11b	Left Side	0	6	Ant 0	1	99.05	1.01	18.50	18.43	1.02	-0.03	0.908	0.94
1	WLAN2.4G	802.11b	Left Side	0	11	Ant 0	1	99.05	1.01	18.50	18.45	1.01	-0.03	1.12	1.14
	WLAN2.4G	802.11b	Left Side	0	12	Ant 0	1	99.05	1.01	18.50	18.41	1.02	0.06	1.06	1.09
	WLAN2.4G	802.11b	Left Side	0	13	Ant 0	1	99.05	1.01	17.50	17.31	1.04	-0.14	0.869	0.91
	WLAN2.4G	802.11b	Right Side	0	6	Ant 1	1	99.05	1.01	17.00	16.92	1.02	-0.09	0.984	1.01
	WLAN2.4G	802.11b	Right Side	0	11	Ant 1	1	99.05	1.01	17.00	16.94	1.01	0.13	1.06	1.08
	WLAN2.4G	802.11b	Left Side	0	12	Ant 1	1	99.05	1.01	17.00	16.91	1.02	0.08	1.04	1.07
	WLAN2.4G	802.11b	Left Side	0	13	Ant 1	1	99.05	1.01	16.00	15.93	1.02	-0.08	0.854	0.88
	WLAN2.4G	802.11n HT40	Right Side	0	6	Ant 0+1	1	97.77	1.02	19.50	19.38	1.03	-0.03	0.886	0.93
	WLAN2.4G	802.11n HT40	Right Side	0	9	Ant 0+1	1	97.77	1.02	19.50	19.36	1.03	-0.06	0.892	0.94
	WLAN2.4G	802.11n HT40	Left Side	0	10	Ant 0+1	1	97.77	1.02	15.00	13.96	1.27	0.1	0.306	0.40
	WLAN2.4G	802.11n HT40	Left Side	0	11	Ant 0+1	1	97.77	1.02	15.00	14.69	1.07	-0.03	0.332	0.36
	WLAN2.4G	802.11b	Left Side	0	11	Ant 0	2	99.05	1.01	18.50	18.45	1.01	0.12	1.06	1.08
	WLAN2.4G	802.11b	Left Side	0	1	Ant 0	2	99.05	1.01	18.50	18.48	1.00	-0.14	1.01	1.02
	WLAN2.4G	802.11b	Left Side	0	6	Ant 0	2	99.05	1.01	18.50	18.43	1.02	0.05	0.935	0.96
	WLAN2.4G	802.11b	Left Side	0	12	Ant 0	2	99.05	1.01	18.50	18.41	1.02	0.04	1.02	1.05
	WLAN2.4G	802.11b	Left Side	0	13	Ant 0	2	99.05	1.01	17.50	17.31	1.04	0.04	0.857	0.90
	WLAN2.4G	802.11b	Left Side	0	11	Ant 0	1	99.05	1.01	18.50	18.45	1.01	-0.16	1.08	1.10

Body SAR Test Result

Body SAR Test Result															
System & Position						DUT Configuration		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Status	Battery	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	Ant 0	1	98.50	1.02	15.00	14.98	1.00	-0.19	0.174	0.18
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	Ant 0	1	98.50	1.02	15.00	14.98	1.00	-0.03	1.07	1.09
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	Ant 0	1	98.50	1.02	15.00	14.98	1.00	0	<0.001	0.00
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	Ant 0	1	98.50	1.02	15.00	14.98	1.00	-0.08	0.115	0.12
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	Ant 0	1	98.50	1.02	15.00	14.98	1.00	0.19	0.152	0.16
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	Ant 1	1	100.00	1.00	15.00	14.99	1.00	0.1	0.051	0.05
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	Ant 1	1	100.00	1.00	15.00	14.99	1.00	0	<0.001	0.00
2	WLAN5.3G	802.11ac VHT160	Right Side	0	50	Ant 1	1	100.00	1.00	15.00	14.99	1.00	0.11	1.12	1.12
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	Ant 1	1	100.00	1.00	15.00	14.99	1.00	0.01	0.059	0.06
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	Ant 1	1	100.00	1.00	15.00	14.99	1.00	0.08	0.021	0.02
	WLAN5.3G	802.11ac VHT160	Rear Face	0	50	Ant 0+1	1	98.21	1.02	18.00	17.98	1.00	0.09	0.111	0.11
	WLAN5.3G	802.11ac VHT160	Left Side	0	50	Ant 0+1	1	98.21	1.02	18.00	17.98	1.00	0.06	0.709	0.72
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	Ant 0+1	1	98.21	1.02	18.00	17.98	1.00	0.13	1.04	1.06
	WLAN5.3G	802.11ac VHT160	Top Side	0	50	Ant 0+1	1	98.21	1.02	18.00	17.98	1.00	-0.16	0.093	0.09
	WLAN5.3G	802.11ac VHT160	Bottom Side	0	50	Ant 0+1	1	98.21	1.02	18.00	17.98	1.00	-0.1	0.148	0.15
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	Ant 1	2	100.00	1.00	15.00	14.99	1.00	0.06	1.09	1.09
	WLAN5.3G	802.11ac VHT160	Right Side	0	50	Ant 1	1	100.00	1.00	15.00	14.99	1.00	0.11	1.08	1.08

Body SAR Test Result

System & Position						DUT Configuration		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Status	Battery	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 VHT160	Rear Face	0	114	Ant 0	1	98.50	1.02	14.50	14.21	1.07	0.11	0.073	0.08
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	Ant 0	1	98.50	1.02	14.50	14.21	1.07	-0.17	0.411	0.45
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	Ant 0	1	98.50	1.02	14.50	14.21	1.07	0.14	<0.001	0.00
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	Ant 0	1	98.50	1.02	14.50	14.21	1.07	-0.1	0.043	0.05
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	Ant 0	1	98.50	1.02	14.50	14.21	1.07	-0.04	0.031	0.03
	WLAN5.6G	802.11ac VHT160	Rear Face	0	114	Ant 1	1	100.00	1.00	14.50	14.34	1.04	0.19	0.047	0.05
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	Ant 1	1	100.00	1.00	14.50	14.34	1.04	0.11	<0.001	0.00
3	WLAN5.6G	802.11ac VHT160	Right Side	0	114	Ant 1	1	100.00	1.00	14.50	14.34	1.04	-0.07	0.934	0.97
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	Ant 1	1	100.00	1.00	14.50	14.34	1.04	-0.15	0.054	0.06
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	Ant 1	1	100.00	1.00	14.50	14.34	1.04	-0.01	0.040	0.04
	WLAN5.6G	802.11ac VHT160	Rear Face	0	114	Ant 0+1	1	98.21	1.02	17.50	17.42	1.02	-0.1	0.075	0.08
	WLAN5.6G	802.11ac VHT160	Left Side	0	114	Ant 0+1	1	98.21	1.02	17.50	17.42	1.02	0.03	0.362	0.38
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	Ant 0+1	1	98.21	1.02	17.50	17.42	1.02	-0.03	0.885	0.92
	WLAN5.6G	802.11ac VHT160	Top Side	0	114	Ant 0+1	1	98.21	1.02	17.50	17.42	1.02	0.16	0.036	0.04
	WLAN5.6G	802.11ac VHT160	Bottom Side	0	114	Ant 0+1	1	98.21	1.02	17.50	17.42	1.02	-0.07	0.049	0.05
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	Ant 1	2	100.00	1.00	14.50	14.34	1.04	0.13	0.922	0.96
	WLAN5.6G	802.11ac VHT160	Right Side	0	114	Ant 1	1	100.00	1.00	14.50	14.34	1.04	0.02	0.912	0.95

Body SAR Test Result

System & Position						DUT Configuration		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Status	Battery	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	Ant 0	1	97.77	1.02	14.50	14.42	1.02	0.13	0.132	0.14
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	Ant 0	1	97.77	1.02	14.50	14.42	1.02	0.14	0.627	0.65
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	Ant 0	1	97.77	1.02	14.50	14.42	1.02	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	Ant 0	1	97.77	1.02	14.50	14.42	1.02	0.06	0.071	0.07
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	Ant 0	1	97.77	1.02	14.50	14.42	1.02	-0.08	0.091	0.09
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	Ant 1	1	98.00	1.02	14.50	14.48	1.00	0.11	0.073	0.07
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	Ant 1	1	98.00	1.02	14.50	14.48	1.00	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	Ant 1	1	98.00	1.02	14.50	14.48	1.00	-0.12	0.746	0.76
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	Ant 1	1	98.00	1.02	14.50	14.48	1.00	-0.17	0.041	0.04
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	Ant 1	1	98.00	1.02	14.50	14.48	1.00	-0.11	0.075	0.08
	WLAN5.8G	802.11ac VHT80	Rear Face	0	155	Ant 0+1	1	98.99	1.01	17.50	17.48	1.00	-0.05	0.083	0.08
	WLAN5.8G	802.11ac VHT80	Left Side	0	155	Ant 0+1	1	98.99	1.01	17.50	17.48	1.00	0.19	0.766	0.77
4	WLAN5.8G	802.11ac VHT80	Right Side	0	155	Ant 0+1	1	98.99	1.01	17.50	17.48	1.00	-0.08	1.03	1.04
	WLAN5.8G	802.11ac VHT80	Top Side	0	155	Ant 0+1	1	98.99	1.01	17.50	17.48	1.00	-0.07	0.072	0.07
	WLAN5.8G	802.11ac VHT80	Bottom Side	0	155	Ant 0+1	1	98.99	1.01	17.50	17.48	1.00	0.06	0.076	0.08
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	Ant 0+1	2	98.99	1.01	17.50	17.48	1.00	-0.13	0.996	1.01
	WLAN5.8G	802.11ac VHT80	Right Side	0	155	Ant 0+1	1	98.99	1.01	17.50	17.48	1.00	-0.17	1.01	1.02
	WLAN5.9G	802.11ac VHT160	Rear Face	0	163	Ant 0	1	98.50	1.02	14.50	14.42	1.02	-0.18	0.404	0.42
	WLAN5.9G	802.11ac VHT160	Left Side	0	163	Ant 0	1	98.50	1.02	14.50	14.42	1.02	0.03	0.714	0.74
	WLAN5.9G	802.11ac VHT160	Right Side	0	163	Ant 0	1	98.50	1.02	14.50	14.42	1.02	0	<0.001	0.00
	WLAN5.9G	802.11ac VHT160	Top Side	0	163	Ant 0	1	98.50	1.02	14.50	14.42	1.02	-0.19	0.093	0.10
	WLAN5.9G	802.11ac VHT160	Bottom Side	0	163	Ant 0	1	98.50	1.02	14.50	14.42	1.02	-0.15	0.118	0.12
	WLAN5.9G	802.11ac VHT160	Rear Face	0	163	Ant 1	1	100.00	1.00	14.50	14.46	1.01	0.11	0.122	0.12
	WLAN5.9G	802.11ac VHT160	Left Side	0	163	Ant 1	1	100.00	1.00	14.50	14.46	1.01	0	<0.001	0.00
5	WLAN5.9G	802.11ac VHT160	Right Side	0	163	Ant 1	1	100.00	1.00	14.50	14.46	1.01	0.13	0.747	0.75
	WLAN5.9G	802.11ac VHT160	Top Side	0	163	Ant 1	1	100.00	1.00	14.50	14.46	1.01	-0.05	0.031	0.03
	WLAN5.9G	802.11ac VHT160	Bottom Side	0	163	Ant 1	1	100.00	1.00	14.50	14.46	1.01	0.16	0.053	0.05
	WLAN5.9G	802.11ac VHT160	Rear Face	0	163	Ant 0+1	1	98.21	1.02	17.50	17.46	1.01	0.11	0.522	0.54
	WLAN5.9G	802.11ac VHT160	Left Side	0	163	Ant 0+1	1	98.21	1.02	17.50	17.46	1.01	-0.07	0.716	0.74
	WLAN5.9G	802.11ac VHT160	Right Side	0	163	Ant 0+1	1	98.21	1.02	17.50	17.46	1.01	0.08	0.723	0.74
	WLAN5.9G	802.11ac VHT160	Top Side	0	163	Ant 0+1	1	98.21	1.02	17.50	17.46	1.01	0.05	0.072	0.07
	WLAN5.9G	802.11ac VHT160	Bottom Side	0	163	Ant 0+1	1	98.21	1.02	17.50	17.46	1.01	-0.09	0.133	0.14
	WLAN5.9G	802.11ac VHT160	Right Side	0	163	Ant 1	2	100.00	1.00	14.50	14.46	1.01	0.11	0.735	0.74

Body SAR Test Result

Body SAR Test Result															
System & Position						DUT Configuration		SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Status	Battery	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	BT	BDR	Rear Face	0	0	Ant 1	1	76.33	1.31	10.50	9.48	1.26	0.01	0.016	0.03
	BT	BDR	Left Side	0	0	Ant 1	1	76.33	1.31	10.50	9.48	1.26	0	<0.001	0.00
6	BT	BDR	Right Side	0	0	Ant 1	1	76.33	1.31	10.50	9.48	1.26	0.07	0.099	0.16
	BT	BDR	Top Side	0	0	Ant 1	1	76.33	1.31	10.50	9.48	1.26	-0.07	0.013	0.02
	BT	BDR	Bottom Side	0	0	Ant 1	1	76.33	1.31	10.50	9.48	1.26	0.15	0.00207	0.00
	BT	BDR	Right Side	0	39	Ant 1	1	76.33	1.31	10.50	9.47	1.27	0.02	0.094	0.16
	BT	BDR	Right Side	0	78	Ant 1	1	76.33	1.31	10.50	9.30	1.32	-0.09	0.092	0.16
	BT	BDR	Right Side	0	0	Ant 1	2	76.33	1.31	10.50	9.48	1.26	0.11	0.093	0.15

SAR and Power Density Test Result

SAR and Power DensityTest Result																											
System & Position						DUT Configuration		SAR										Power Density									
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Status	Battery	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/m² (4cm²)	Scaled APD W/m² (4cm²)	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]	
7	UNII-5	802.11ax HE160	Rear Face	0	15	Ant 0	1	97.83	1.02	13.00	12.98	1.00	0.06	0.057	0.06	0.369	0.38	0.0502	4.48	1.545	4	-0.13	0.45	0.71	0.63	0.99	
	UNII-5	802.11ax HE160	Left Side	0	15	Ant 0	1	97.83	1.02	13.00	12.98	1.00	-0.03	0.536	0.55	3.44	3.51	0.0502	41.1	1.545	4	0.01	4.08	6.43	5.75	9.06	
	UNII-5	802.11ax HE160	Right Side	0	15	Ant 0	1	97.83	1.02	13.00	12.98	1.00	0.15	<0.001	0.00	<0.001	0.00	0.0502	<0.001	1.545	4	0	<0.001	0.00	<0.001	0.00	
	UNII-5	802.11ax HE160	Top Side	0	15	Ant 0	1	97.83	1.02	13.00	12.98	1.00	0.04	0.049	0.05	0.319	0.33	0.0502	3.74	1.545	4	-0.1	0.37	0.58	0.52	0.82	
	UNII-5	802.11ax HE160	Bottom Side	0	15	Ant 0	1	97.83	1.02	13.00	12.98	1.00	0.12	0.111	0.11	0.716	0.73	0.0502	8.22	1.545	4	0.01	0.82	1.29	1.15	1.81	
	UNII-5	802.11ax HE160	Rear Face	0	15	Ant 1	1	97.52	1.03	13.00	12.96	1.01	-0.08	0.052	0.05	0.338	0.35	0.0502	3.74	1.545	4	-0.08	0.37	0.59	0.52	0.84	
	UNII-5	802.11ax HE160	Left Side	0	15	Ant 1	1	97.52	1.03	13.00	12.96	1.01	-0.18	<0.001	0.00	<0.001	0.00	0.0502	<0.001	1.545	4	0	<0.001	0.00	<0.001	0.00	
	UNII-5	802.11ax HE160	Right Side	0	15	Ant 1	1	97.52	1.03	13.00	12.96	1.01	0.11	0.454	0.47	2.91	3.03	0.0502	35.05	1.545	4	-0.03	3.47	5.52	4.91	7.89	
	UNII-5	802.11ax HE160	Top Side	0	15	Ant 1	1	97.52	1.03	13.00	12.96	1.01	-0.02	<0.001	0.00	<0.001	0.00	0.0502	<0.001	1.545	4	0	<0.001	0.00	<0.001	0.00	
	UNII-5	802.11ax HE160	Bottom Side	0	15	Ant 1	1	97.52	1.03	13.00	12.96	1.01	-0.11	0.033	0.03	0.214	0.22	0.0502	2.24	1.545	4	0.07	0.22	0.35	0.31	0.5	
	UNII-5	802.11ax HE160	Rear Face	0	15	Ant 0+1	1	98.46	1.02	13.00	12.75	1.06	-0.03	0.031	0.03	0.202	0.22	0.0502	2.24	1.545	4	-0.09	0.22	0.35	0.31	0.52	
	UNII-5	802.11ax HE160	Left Side	0	15	Ant 0+1	1	98.46	1.02	13.00	12.75	1.06	0.13	0.258	0.28	1.65	1.78	0.0502	20.92	1.545	4	0.13	2.08	3.28	2.93	4.89	
	UNII-5	802.11ax HE160	Right Side	0	15	Ant 0+1	1	98.46	1.02	13.00	12.75	1.06	-0.06	0.235	0.25	1.51	1.63	0.0502	18.68	1.545	4	-0.15	1.85	2.92	2.61	4.36	
	UNII-5	802.11ax HE160	Top Side	0	15	Ant 0+1	1	98.46	1.02	13.00	12.75	1.06	-0.03	0.029	0.03	0.186	0.20	0.0502	2.24	1.545	4	0.11	0.22	0.35	0.31	0.52	
	UNII-5	802.11ax HE160	Bottom Side	0	15	Ant 0+1	1	98.46	1.02	13.00	12.75	1.06	0.17	0.053	0.06	0.342	0.37	0.0502	4.48	1.545	4	-0.11	0.45	0.71	0.63	1.05	
	UNII-5	802.11ax HE160	Left Side	0	47	Ant 0	1	97.83	1.02	13.00	12.91	1.02	0.15	0.511	0.53	3.28	3.41	0.0515	39.45	1.545	4	0.07	3.91	6.16	5.52	8.87	
	UNII-5	802.11ax HE160	Left Side	0	79	Ant 0	1	97.83	1.02	13.00	12.89	1.03	-0.07	0.494	0.52	3.17	3.33	0.0529	38.34	1.545	4	0.09	3.78	5.96	5.36	8.7	
	UNII-6	802.11ax HE160	Left Side	0	111	Ant 0	1	97.83	1.02	13.00	12.93	1.02	0.05	0.456	0.47	2.93	3.05	0.0542	35.26	1.545	4	0.12	3.49	5.5	4.93	7.92	
	UNII-7	802.11ax HE160	Left Side	0	143	Ant 0	1	97.83	1.02	13.00	12.91	1.02	-0.06	0.389	0.40	2.5	2.6	0.0555	29.89	1.545	4	-0.18	2.97	4.68	4.18	6.72	
	UNII-7	802.11ax HE160	Left Side	0	175	Ant 0	1	97.83	1.02	13.00	12.88	1.03	0.18	0.304	0.32	1.95	2.05	0.0569	23.91	1.545	4	-0.10	2.37	3.73	3.35	5.44	
	UNII-8	802.11ax HE160	Left Side	0	207	Ant 0	1	97.83	1.02	13.00	12.87	1.03	-0.15	0.312	0.33	2	2.1	0.0582	24.66	1.545	4	0.04	2.45	3.86	3.45	5.6	
	UNII-5	802.11ax HE160	Left Side	0	15	Ant 0	2	97.83	1.02	13.00	12.98	1.00	0.06	0.521	0.53	3.34	3.41	0.0502	39.61	1.545	4	0.05	3.93	6.19	5.54	8.73	
								-	1.00	-	-	1	-	-	-	-	-										

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	WLAN2.4G	802.11b	Left Side	11	1.12	1.08	1.04
R02	WLAN5.3G	802.11ac VHT160	Right Side	50	1.12	1.08	1.04
P03	WLAN5.6G	802.11ac VHT160	Right Side	114	0.934	0.912	1.02
P04	WLAN5.8G	802.11ac VHT80	Right Side	155	1.03	1.01	1.02

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+ BT ant 1 + RFID + Touch Pen	Yes
B	WLAN 2.4G Ant 0+ WLAN 2.4G Ant 1 + RFID + Touch Pen	Yes
C	WLAN 5G Ant 0+ BT ant 1 + RFID + Touch Pen	Yes
D	WLAN 5G Ant 0+ WLAN 5G Ant 1 + RFID + Touch Pen	Yes
E	WLAN 5G Ant 0+ WLAN 5G Ant 1+ BT ant 1 + RFID + Touch Pen	Yes
F	WLAN 6G Ant 0+ BT ant 1 + RFID + Touch Pen	Yes
G	WLAN 6G Ant 0+ WLAN 6G Ant 1+ RFID + Touch Pen	Yes
H	WLAN 6G Ant 0+ WLAN 6G Ant 1+ BT ant 1+ RFID + Touch Pen	Yes

Notes

1. The WLAN 2.4G and WLAN 5G and WLAN6G cannot transmit simultaneously.
2. Simultaneous TX Combination B.D.E.G and H use MIMO actual measurement to evaluate.
3. Simultaneous TX Combination D can be covered by E.
4. Simultaneous TX Combination G can be covered by H.

Simultaneous Transmission SAR Evaluation (Body)												
Position	1	2	3	4	5	6	7	A(1+6+7)	C(2+6+7)	E(3+6+7)	F(4+6+7)	H(5+6+7)
	WLAN 2.4GHz Ant 0	Max WLAN 5GHz Ant 0	Max WLAN 5GHz Ant 0+1	Max WLAN 6GHz Ant 0	Max WLAN 6GHz Ant 0+1	Max BT Ant 1	RFID	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg	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					
Rear Face	0.13	0.42	0.54	0.06	0.03	0.03	0.00	0.16	0.45	0.57	0.09	0.06
Left Side	1.14	1.09	0.77	0.55	0.28	0.00	0.00	1.14	1.09	0.77	0.55	0.28
Right Side	0.00	0.00	1.06	0.00	0.25	0.16	0.00	0.16	0.16	1.22	0.16	0.41
Top Side	0.09	0.12	0.09	0.05	0.03	0.02	0.00	0.11	0.14	0.11	0.07	0.05
Bottom Side	0.10	0.16	0.15	0.11	0.06	0.00	0.00	0.10	0.16	0.15	0.11	0.06

Total Exposure Ratio (Body)							
Position	4	5	6	7	10	F(4+6+7+10)	H(5+6+7+10)
	Max WLAN 6GHz Ant 0	Max WLAN 6GHz Ant	Max BT Ant 1	RFID	WPT	Total Exposure Ratio	Total Exposure Ratio
	4cm2 W/m2	4cm2 W/m2	1g SAR W/kg	1g SAR W/kg	psSAR mW/kg		
Rear Face	0.99	0.52	0.03	0.00	0.009	0.12	0.07
Left Side	9.06	4.89	0.00	0.00	0.006	0.91	0.49
Right Side	0.00	4.36	0.16	0.00	0.005	0.10	0.54
Top Side	0.82	0.52	0.02	0.00	0.006	0.09	0.06
Bottom Side	1.81	1.05	0.00	0.00	0.006	0.18	0.11