

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 S07 System Check_H2450_240429

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	n/a x n/a x n/a		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--	2450.0, 0	6.76	1.87	42.7

Hardware Setup

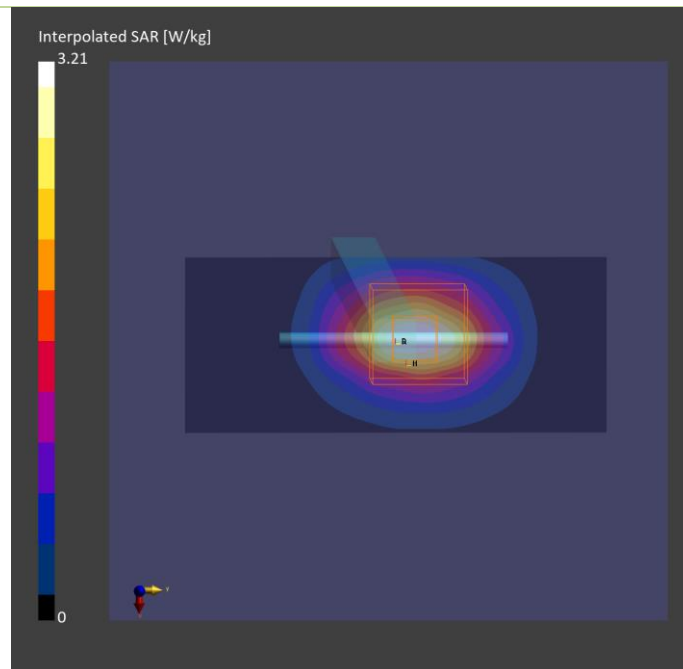
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H06T27N5 , 2024-Apr-29	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

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	2024-04-29	2024-04-29
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 S08 System Check_H5250_240429

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	N/A x N/A x N/A		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--	5250.000, 0	5.07	4.49	36.8

Hardware Setup

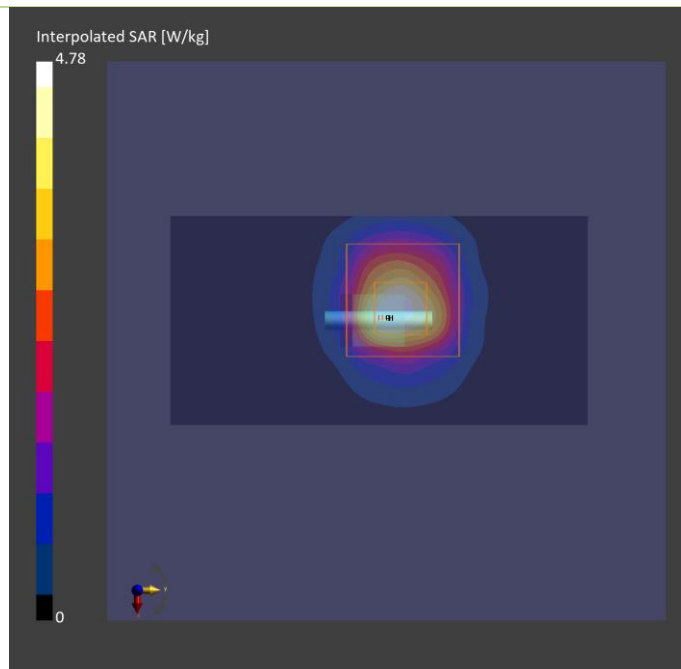
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-29	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

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	202-04-29	2024-04-29
psSAR1g [W/kg]	3.42	3.92
psSAR10g [W/kg]	1.07	1.13
Power Drift [dB]	-0.02	0.01



Plots of System Verification

Measurement Report

S09 System Check_H5600_240429

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	4.88	36.4

Hardware Setup

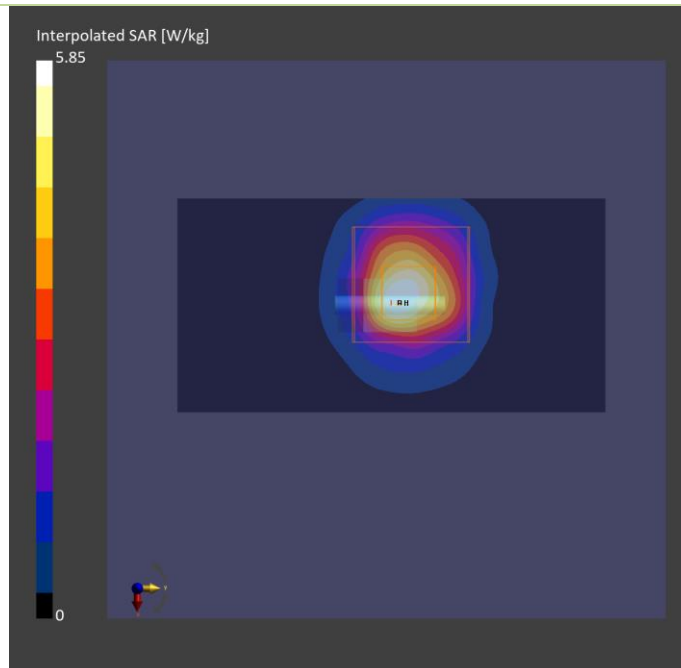
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-29	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

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	2024-04-29	2024-04-29
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

S10 System Check_H5800_240429

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,	5800.000, 0	4.31	5.15	35.8

Hardware Setup

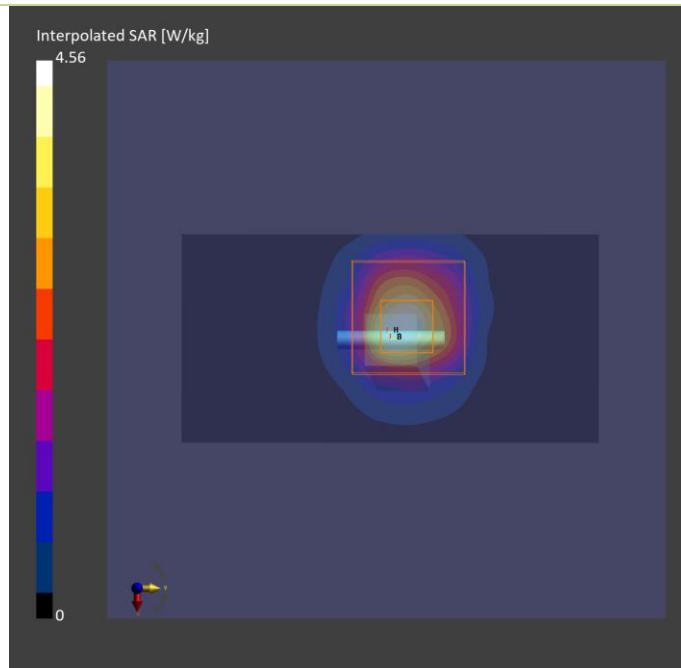
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-29	EX3DV4 - SN7736, 2024-02-01	DAE4 Sn1757, 2023-10-23

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	2024-04-29	2024-04-29
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

S11 System Check_H5800_240429

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,	5800.000, 0	4.31	5.15	35.8

Hardware Setup

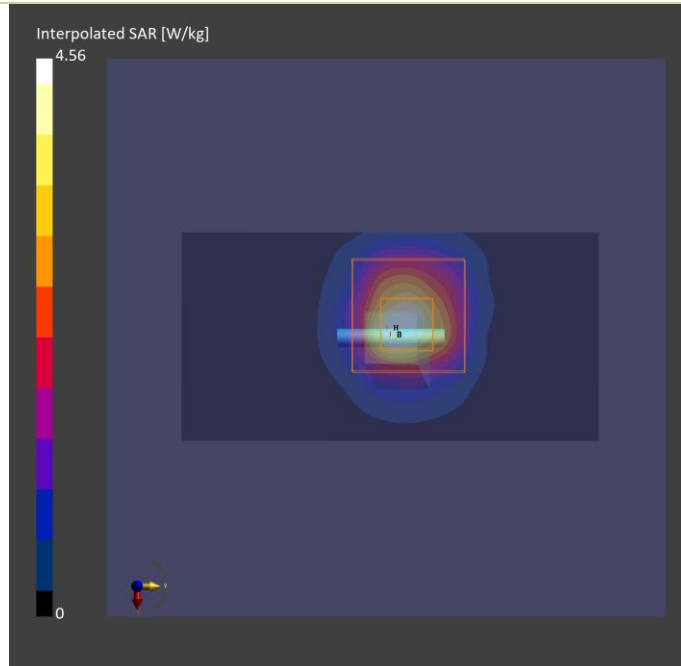
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-29	EX3DV4 - SN7736, 2024-02-01	DAE4 Sn1757, 2023-10-23

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	2024-04-29	2024-04-29
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 S12 System Check_H2450_240429

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	n/a x n/a x n/a		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--	2450.0, 0	6.76	1.87	42.7

Hardware Setup

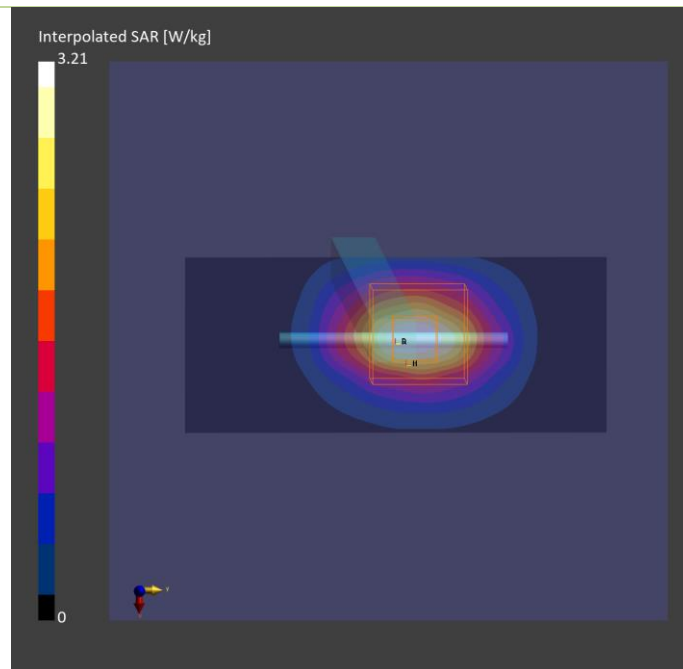
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H06T27N5 , 2024-Apr-29	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

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	2024-04-29	2024-04-29
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 S13 System Check_H6500_240429 Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device	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--	6500.000 0	4.85	5.94	34.7

Hardware Setup

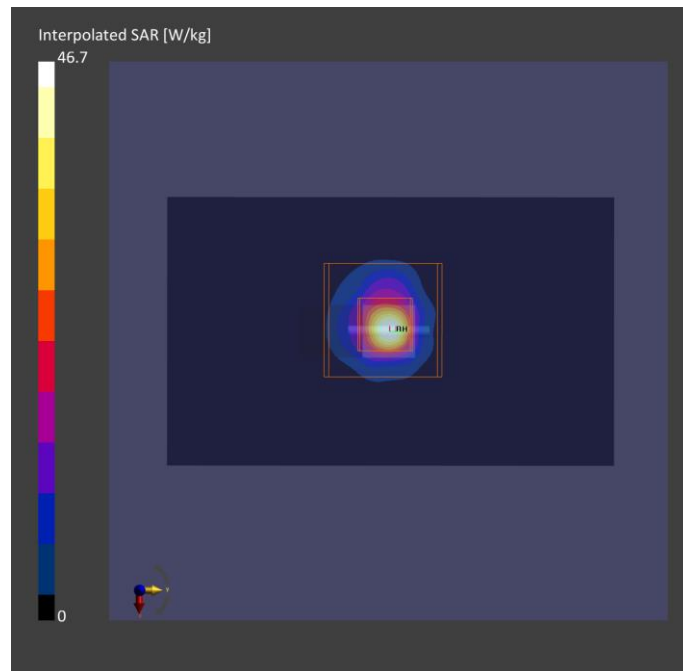
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-29	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

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	2024-04-29	2024-04-29
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



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

P07 WLAN2.4G_802.11b_Laptop of Bottom_0mm_Ch6_Ant 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24010023,	335.0 x 230.0 x 45.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Laptop of Bottom 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2437.0, 6	6.76	1.86	42.7

Hardware Setup

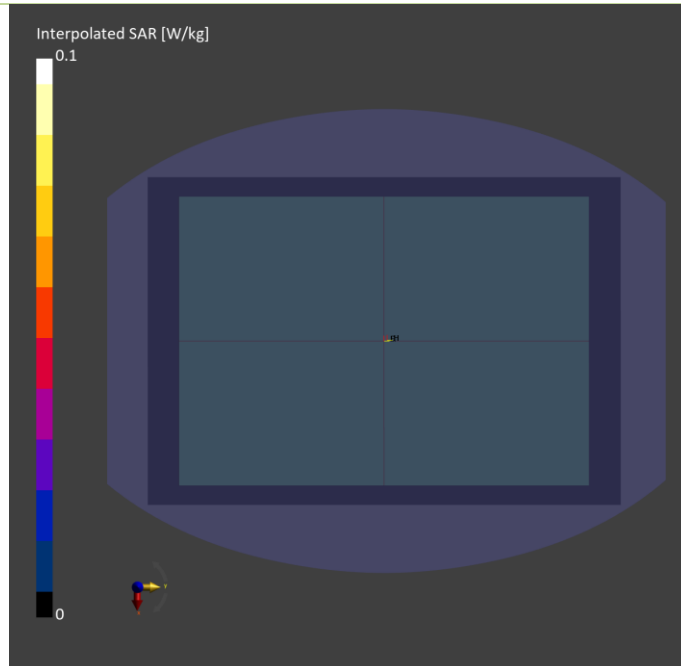
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H06T27N5 , 2024-Apr-29	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	276.0 x 396.0	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	2024-04-29	
psSAR1g [W/kg]		
psSAR10g [W/kg]		
psAPD (1.0cm ² , sq) [W/m ²]		
psAPD (4.0cm ² , sq) [W/m ²]		
Power Drift [dB]	0.00	



Plots of Measurement

Measurement Report

P08 WLAN5.3G_802.11n HT40_Laptop of Bottom_0mm_Ch54_Ant 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24010023,	335.0 x 230.0 x 45.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Laptop of Bottom 0.00	WLAN 5GHz	WLAN, 10599-AAC	5270.0, 54	5.07	4.51	36.6

Hardware Setup

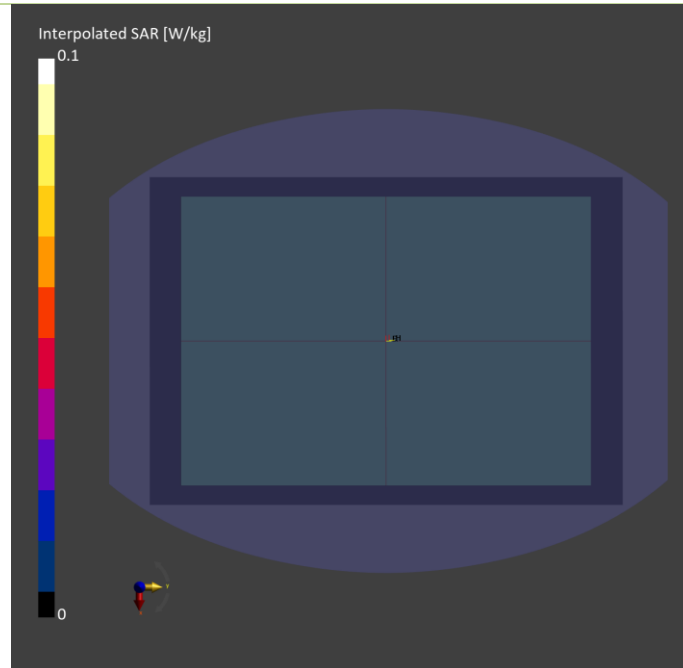
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-29	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	270.0 x 390.0	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	2024-04-29	
psSAR1g [W/kg]		
psSAR10g [W/kg]		
psAPD (1.0cm ² , sq) [W/m ²]		
psAPD (4.0cm ² , sq) [W/m ²]		
Power Drift [dB]	0.00	



Plots of Measurement

Measurement Report

P09 WLAN5.6G_802.11ac VHT80_Laptop of Bottom_0mm_Ch138_Ant 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24010023,	335.0 x 230.0 x 45.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Laptop of Bottom 0.00	WLAN 5GHz	WLAN, 10544-AAC	5690.0, 138	4.41	5.07	36.1

Hardware Setup

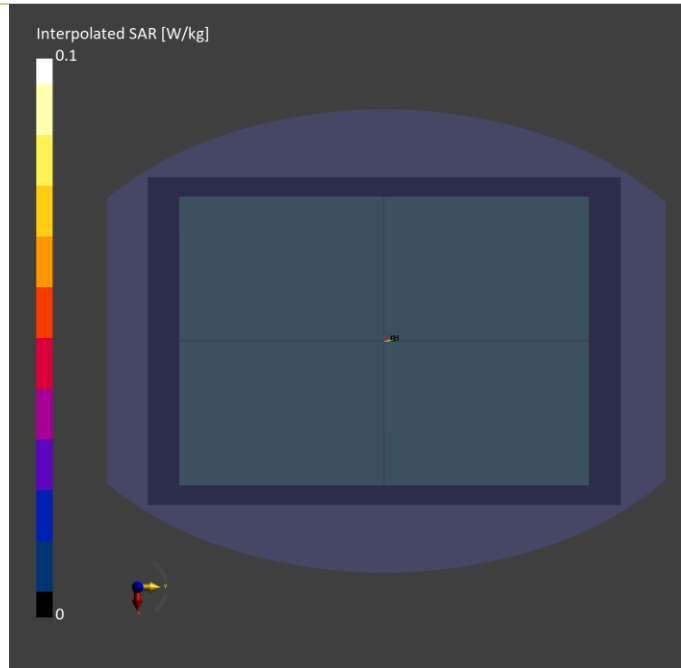
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-29	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	270.0 x 390.0	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	2024-04-29	
psSAR1g [W/kg]		
psSAR10g [W/kg]		
psAPD (1.0cm2, sq) [W/m2]		
psAPD (4.0cm2, sq) [W/m2]		
Power Drift [dB]	0.00	



Plots of Measurement

Measurement Report

P10 WLAN5.8G_802.11ac VHT80_Laptop of Bottom_0mm_Ch155_Ant 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24010023,	335.0 x 230.0 x 45.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Laptop of Bottom 0.00	WLAN 5GHz	WLAN, 10544-AAC	5775.0, 155	4.31	5.07	35.8

Hardware Setup

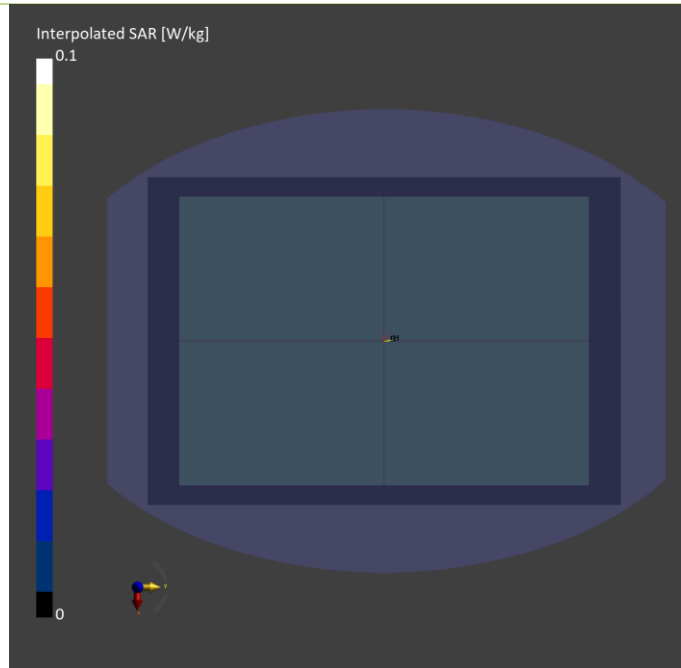
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-29	EX3DV4 - SN7736, 2024-02-01	DAE4 Sn1757, 2023-10-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	270.0 x 390.0	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	2024-04-29	
psSAR1g [W/kg]		
psSAR10g [W/kg]		
psAPD (1.0cm ² , sq) [W/m ²]		
psAPD (4.0cm ² , sq) [W/m ²]		
Power Drift [dB]	0.00	



Plots of Measurement

Measurement Report

P11 WLAN5.9G_802.11ax HE80_Laptop of Bottom_0mm_Ch171_Ant 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24010023,	335.0 x 230.0 x 45.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Laptop of Bottom 0.00	WLAN 5GHz	WLAN, 10731-AAC	5855.0, 171	4.31	5.19	35.9

Hardware Setup

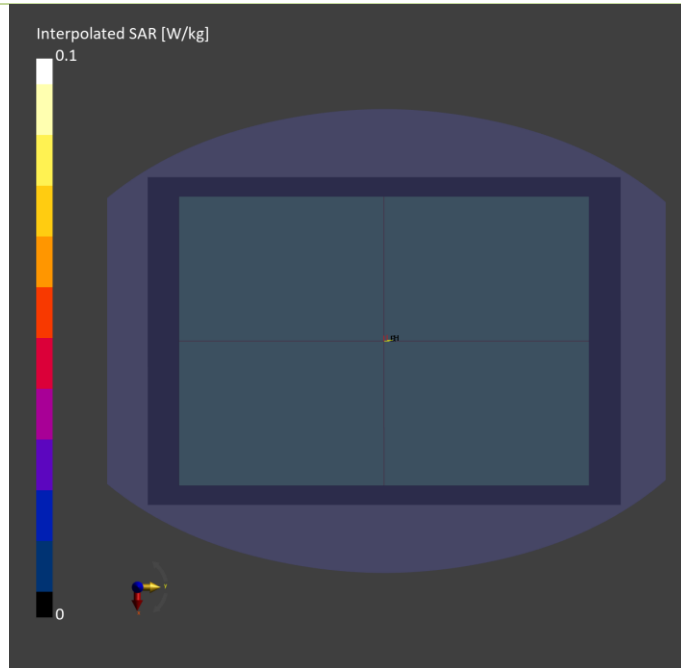
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-29	EX3DV4 - SN7736, 2024-02-01	DAE4 Sn1757, 2023-10-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	270.0 x 390.0	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	2024-04-29	
psSAR1g [W/kg]		
psSAR10g [W/kg]		
psAPD (1.0cm ² , sq) [W/m ²]		
psAPD (4.0cm ² , sq) [W/m ²]		
Power Drift [dB]	0.00	



Plots of Measurement

Measurement Report

P12 BT_BDR_Laptop of Bottom_0mm_Ch78_Ant 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24010023,	335.0 x 230.0 x 45.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Laptop of Bottom, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2480.0, 78	6.76	1.90	42.6

Hardware Setup

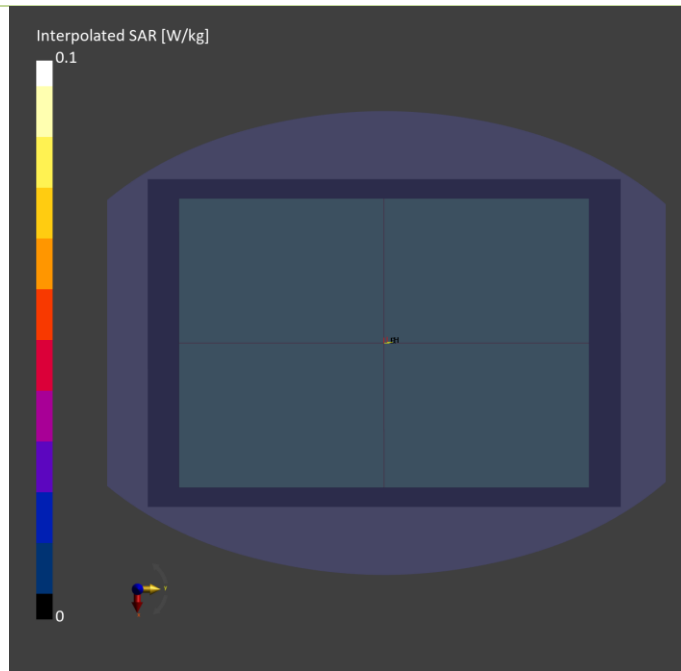
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H06T27N5 , 2024-Apr-29	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	276.0 x 396.0	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	2024-04-29	
psSAR1g [W/kg]		
psSAR10g [W/kg]		
psAPD (1.0cm2, sq) [W/m2]		
psAPD (4.0cm2, sq) [W/m2]		
Power Drift [dB]	0.00	



Plots of Measurement

Measurement Report

P13 UNII-5_802.11ax HE160_Laptop of Bottom_0mm_Ch15_Ant 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P24010023,	335.0 x 230.0 x 45.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Laptop of Bottom 0.00	U-NII-5	WLAN, 10755-AAC	6025.000, 15	4.85	5.39	35.4

Hardware Setup

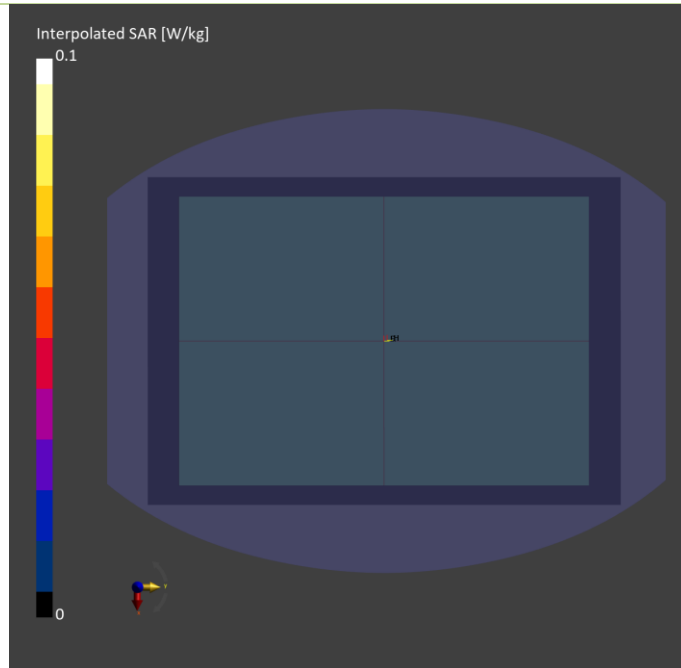
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H51T72N5 , 2024-Apr-29	EX3DV4 - SN7797, 2024-01-08	DAE4 Sn1757, 2023-10-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	270.0 x 120.0	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	2024-04-29	
psSAR1g [W/kg]		
psSAR10g [W/kg]		
psAPD (1.0cm ² , sq) [W/m ²]		
psAPD (4.0cm ² , sq) [W/m ²]		
Power Drift [dB]	0.00	



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 $\pm 10\%$ of the target values. Liquid temperature during the SAR testing has kept within $\pm 2^\circ\text{C}$.
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.



**BUREAU
VERITAS**

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)
S07	2450	21.9	1.87	42.7	1.8	39.2	3.89	8.93	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 29, 2024	2450	52.90	2.5	49.88	-5.71	737	7797	1757	17
S08	5250	21.9	4.49	36.8	4.71	35.9	-4.67	2.51	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 29, 2024	5250	80.20	3.92	78.21	-2.48	1019	7797	1757	17
S09	5600	21.9	4.88	36.4	5.07	35.5	-3.75	2.54	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 29, 2024	5600	82.90	4.51	89.99	8.55	1019	7797	1757	17
S10	5800	21.9	5.15	35.8	5.27	35.3	-2.28	1.42	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 29, 2024	5800	80.30	3.76	75.02	-6.57	1019	7736	1757	17
S11	5800	21.9	5.15	35.8	5.27	35.3	-2.28	1.42	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 29, 2024	5800	80.30	3.76	75.02	-6.57	1019	7736	1757	17
S12	2450	21.9	1.87	42.7	1.8	39.2	3.89	8.93	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 29, 2024	2450	52.90	2.5	49.88	-5.71	737	7797	1757	17
S13	6500	21.9	5.94	34.7	6.07	34.5	-2.14	0.58	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 29, 2024	6500	292.00	28.3	283.00	-3.08	1008	7797	1757	20



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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	21.00	21.00			
	6	2437	21.50	21.00			
	11	2462	21.00	21.00			
	12	2467	19.00	19.00			
	13	2472	15.50	15.50			
802.11g	1	2412	19.50	18.75			
	6	2437	21.50	21.00			
	11	2462	18.75	18.75			
	12	2467	15.50	15.50			
	13	2472	12.00	12.00			
802.11n HT20	1	2412	19.50	18.75	16.5	16.5	19.50
	6	2437	21.00	21.00	21.0	21.0	24.00
	11	2462	18.75	18.75	17.5	17.5	20.50
	12	2467	15.50	15.50	12.5	12.5	15.50
	13	2472	12.00	12.00	10.0	10.0	13.00
802.11n HT40	3	2422	16.25	16.50	16.0	16.0	19.00
	6	2437	21.00	21.00	16.0	16.0	19.00
	9	2452	16.00	17.00	15.0	15.0	18.00
	10	2457	11.00	11.00	9.0	9.0	12.00
	11	2462	11.00	11.00	10.0	10.0	13.00
802.11ax HE20	1	2412	19.50	18.75	19.0	19.0	22.00
	6	2437	21.00	21.00	21.0	21.0	24.00
	11	2462	18.75	18.75	16.5	16.5	19.50
	12	2467	15.50	15.50	13.0	13.0	16.00
	13	2472	12.00	12.00	10.0	10.0	13.00
802.11ax HE40	3	2422	16.25	16.50	15.5	15.5	18.50
	6	2437	21.00	21.00	16.0	16.0	19.00
	9	2452	16.00	17.00	15.5	15.5	18.50
	10	2457	11.00	11.00	10.0	10.0	13.00
	11	2462	11.00	11.00	10.0	10.0	13.00

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		9.0
	19	2440		9.0
	39	2480		9.0

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	16.00	16.00			
	40	5200	16.00	16.00			
	44	5220	16.00	16.00			
	48	5240	16.00	16.00			
802.11n HT20	36	5180	20.00	19.25	13.0	13.0	16.00
	40	5200	21.00	21.00	13.0	13.0	16.00
	44	5220	21.00	21.00	13.0	13.0	16.00
	48	5240	21.00	21.00	13.0	13.0	16.00
802.11n HT40	38	5190	19.50	17.75	14.5	14.5	17.50
	46	5230	21.00	19.50	13.5	13.5	16.50
802.11ac VHT80	42	5210	19.00	18.75	17.0	17.0	20.00
802.11ax HE20	36	5180	20.00	19.25	13.5	13.5	16.50
	40	5200	21.00	21.00	13.5	13.5	16.50
	44	5220	21.00	21.00	13.5	13.5	16.50
	48	5240	21.00	21.00	13.0	13.0	16.00
802.11ax HE40	38	5190	19.50	17.75	15.0	15.0	18.00
	46	5230	21.00	19.50	14.0	14.0	17.00
802.11ax HE80	42	5210	19.00	18.75	14.5	14.5	17.50

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	21.00	21.00			
	56	5280	21.00	21.00			
	60	5300	21.00	21.00			
	64	5320	21.00	19.00			
802.11n HT20	52	5260	21.00	21.00	19.0	19.0	22.00
	56	5280	21.00	21.00	19.0	19.0	22.00
	60	5300	21.00	21.00	19.0	19.0	22.00
	64	5320	21.00	19.00	19.0	19.0	22.00
802.11n HT40	54	5270	21.00	20.50	20.0	20.0	23.00
	62	5310	18.25	17.00	20.0	20.0	23.00
802.11ac VHT80	58	5290	18.50	17.75	17.0	17.0	20.00
802.11ac VHT160	50	5250	16.00	15.25	13.5	13.5	16.50
802.11ax HE20	52	5260	21.00	21.00	19.0	19.0	22.00
	56	5280	21.00	21.00	19.0	19.0	22.00
	60	5300	21.00	21.00	19.0	19.0	22.00
	64	5320	21.00	19.00	16.5	16.5	19.50
802.11ax HE40	54	5270	21.00	20.50	19.5	19.5	22.50
	62	5310	18.25	17.00	16.5	16.5	19.50
802.11ax HE80	58	5290	18.50	17.75	16.5	16.5	19.50
802.11ax HE160	50	5250	16.00	15.25	13.5	13.5	16.50

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	21.00	20.50			
	116	5580	21.00	21.00			
	132	5660	21.00	21.00			
	140	5700	21.00	21.00			
	144	5720	21.00	21.00			
802.11n HT20	100	5500	21.00	20.00	18.0	18.0	21.00
	116	5580	21.00	21.00	18.0	18.0	21.00
	132	5660	21.00	21.00	18.0	18.0	21.00
	140	5700	21.00	21.00	18.0	18.0	21.00
	144	5720	21.00	21.00	18.0	18.0	21.00
802.11n HT40	102	5510	20.00	18.00	18.0	18.0	21.00
	110	5550	21.00	20.25	18.0	18.0	21.00
	134	5670	21.00	21.00	18.0	18.0	21.00
	142	5710	21.00	21.00	18.0	18.0	21.00
802.11ac VHT80	106	5530	18.00	18.00	17.5	17.5	20.50
	138	5690	21.00	21.00	18.0	18.0	21.00
802.11ax HE20	100	5500	21.00	20.00	18.0	18.0	21.00
	116	5580	21.00	21.00	18.0	18.0	21.00
	132	5660	21.00	21.00	18.0	18.0	21.00
	140	5700	21.00	21.00	18.0	18.0	21.00
	144	5720	21.00	21.00	18.0	18.0	21.00
802.11ax HE40	102	5510	20.00	18.00	17.5	17.5	20.50
	110	5550	21.00	20.25	18.0	18.0	21.00
	134	5670	21.00	21.00	18.0	18.0	21.00
	142	5710	21.00	21.00	18.0	18.0	21.00
802.11ax HE80	106	5530	18.00	18.00	17.5	17.5	20.50
	138	5690	21.00	21.00	18.0	18.0	21.00

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	21.00	21.00			
	153	5765	21.00	21.00			
	157	5785	21.00	21.00			
	161	5805	21.00	21.00			
	165	5825	21.00	21.00			
802.11n HT20	149	5745	21.00	21.00	21.5	21.5	24.5
	153	5765	21.00	21.00	21.5	21.5	24.5
	157	5785	21.00	21.00	21.5	21.5	24.5
	161	5805	21.00	21.00	21.5	21.5	24.5
	165	5825	21.00	21.00	21.5	21.5	24.5
802.11n HT40	151	5755	21.00	21.00	21.5	21.5	24.5
	159	5795	21.00	21.00	21.5	21.5	24.5
802.11ac VHT20	149	5745	21.00	21.00	21.5	21.5	24.5
	153	5765	21.00	21.00	21.5	21.5	24.5
	157	5785	21.00	21.00	21.5	21.5	24.5
	161	5805	21.00	21.00	21.5	21.5	24.5
802.11ac VHT40	165	5825	21.00	21.00	21.5	21.5	24.5
	151	5755	21.00	21.00	21.5	21.5	24.5
	159	5795	21.00	21.00	21.5	21.5	24.5
802.11ac VHT80	155	5775	21.00	21.00	18.5	18.5	21.5
802.11ax HE20	149	5745	21.00	21.00	21.5	21.5	24.5
	153	5765	21.00	21.00	21.5	21.5	24.5
	157	5785	21.00	21.00	21.5	21.5	24.5
	161	5805	21.00	21.00	21.5	21.5	24.5
	165	5825	21.00	21.00	21.5	21.5	24.5
802.11ax HE40	151	5755	21.00	21.00	21.5	21.5	24.5
	159	5795	21.00	21.00	21.5	21.5	24.5
802.11ax HE80	155	5775	20.0	20.0	18.5	18.5	21.5

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	19.5	19.5			
	173	5865	19.5	19.5			
	177	5885	19.5	19.5			
802.11n HT20	169	5845	17.0	17.0	17.0	17.0	20.0
	173	5865	17.0	17.0	17.0	17.0	20.0
	177	5885	17.0	17.0	17.0	17.0	20.0
802.11n HT40	167	5835	20.5	20.5	20.5	20.5	23.5
	175	5875	20.5	20.5	20.5	20.5	23.5
802.11ac VHT20	169	5845	17.0	17.0	17.0	17.0	20.0
	173	5865	17.0	17.0	17.0	17.0	20.0
	177	5885	17.0	17.0	17.0	17.0	20.0
802.11ac VHT40	167	5835	20.5	20.5	20.5	20.5	23.5
	175	5875	20.5	20.5	20.5	20.5	23.5
802.11ac VHT80	171	5855	20.5	20.5	20.5	20.5	23.5
802.11ac VHT160	163	5815	16.5	16.5	16.5	16.5	19.5
802.11ax HE20	169	5845	17.0	17.0	17.0	17.0	20.0
	173	5865	17.0	17.0	17.0	17.0	20.0
	177	5885	17.0	17.0	17.0	17.0	20.0
802.11ax HE40	167	5835	20.5	20.5	20.5	20.5	23.5
	175	5875	20.5	20.5	20.5	20.5	23.5
802.11ax HE80	171	5855	20.5	20.5	20.5	20.5	23.5
802.11ax HE160	163	5815	17.0	17.0	17.0	17.0	20.0

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	13.5	13.5	10.5	10.5	13.5
	47	6185	13.5	13.5	10.5	10.5	13.5
	79	6345	13.5	13.5	10.5	10.5	13.5

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	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	13.5	13.5	10.5	10.5	13.5

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	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
802.11ax HE40	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
	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
802.11ax HE80	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
	135	6625	10.5	10.5	7.5	7.5	10.5
802.11ax HE160	151	6705	10.5	10.5	7.5	7.5	10.5
	167	6785	10.5	10.5	7.5	7.5	10.5
802.11ax HE160	183	6865	10.5	10.5	7.5	7.5	10.5
	143	6665	13.5	13.5	10.5	10.5	13.5
	175	6825	13.5	13.5	10.5	10.5	13.5

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
802.11ax HE40	233	7115	1.0	1.0	-2.0	-2.0	1.0
	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
802.11ax HE80	227	7085	8.0	8.0	5.0	5.0	8.0
	199	6945	10.5	10.5	7.5	7.5	10.5
802.11ax HE160	215	7025	10.5	10.5	7.5	7.5	10.5
	207	6985	13.5	13.5	10.5	10.5	13.5



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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	19.98
	6	2437	21.25
	11	2462	20.94
	12	2467	18.92
	13	2472	15.48
802.11g	1	2412	19.17
	6	2437	21.17
	11	2462	18.64
	12	2467	15.31
	13	2472	11.88
802.11n HT20	1	2412	19.31
	6	2437	20.79
	11	2462	18.64
	12	2467	15.26
	13	2472	11.75
802.11n HT40	3	2422	16.11
	6	2437	20.83
	9	2452	15.85
	10	2457	10.88
	11	2462	10.81
802.11ax HE20	1	2412	19.38
	6	2437	20.78
	11	2462	18.63
	12	2467	15.27
	13	2472	11.82
802.11ax HE40	3	2422	16.02
	6	2437	20.9
	9	2452	15.79
	10	2457	10.86
	11	2462	10.88

Conducted Power (Full)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	20.65
	6	2437	20.71
	11	2462	20.68
	12	2467	18.84
	13	2472	15.48
802.11g	1	2412	18.61
	6	2437	20.64
	11	2462	18.52
	12	2467	15.29
	13	2472	11.76
802.11n HT20	1	2412	18.64
	6	2437	20.58
	11	2462	18.5
	12	2467	15.25
	13	2472	11.85
802.11n HT40	3	2422	16.29
	6	2437	20.67
	9	2452	16.81
	10	2457	10.82
	11	2462	10.78
802.11ax HE20	1	2412	18.51
	6	2437	20.63
	11	2462	18.64
	12	2467	15.4
	13	2472	11.84
802.11ax HE40	3	2422	16.36
	6	2437	20.6
	9	2452	16.85
	10	2457	10.73
	11	2462	10.76

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
802.11n HT20	1	2412	16.25	16.23	19.25
	6	2437	20.93	20.91	23.93
	11	2462	17.03	17.04	20.05
	12	2467	12.31	12.25	15.29
	13	2472	9.82	9.73	12.79
802.11n HT40	3	2422	15.48	15.46	18.48
	6	2437	15.81	15.85	18.84
	9	2452	14.67	14.61	17.65
	10	2457	8.48	8.41	11.46
	11	2462	9.49	9.46	12.49
802.11ax HE20	1	2412	18.16	18.16	21.17
	6	2437	20.69	20.66	23.69
	11	2462	16.29	16.26	19.29
	12	2467	12.4	12.36	15.39
	13	2472	9.87	9.87	12.88
802.11ax HE40	3	2422	15.29	15.28	18.30
	6	2437	15.55	15.54	18.56
	9	2452	14.99	15.01	18.01
	10	2457	9.75	9.72	12.75
	11	2462	9.88	9.69	12.80



Conducted Power (Full)			
Bluetooth Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	9.31
	39	2441	9.61
	78	2480	10.01
LE	0	2402	8.26
	19	2440	8.59
	39	2480	8.94

Conducted Power (Full)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	15.8
	40	5200	15.68
	44	5220	15.73
	48	5240	15.76
802.11n HT20	36	5180	19.88
	40	5200	20.78
	44	5220	20.8
	48	5240	20.84
802.11n HT40	38	5190	19.47
	46	5230	20.94
802.11ac VHT80	42	5210	18.78
802.11ax HE20	36	5180	19.82
	40	5200	20.82
	44	5220	20.82
	48	5240	20.84
802.11ax HE40	38	5190	19.3
	46	5230	20.78
802.11ax HE80	42	5210	18.86



Conducted Power (Full)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	15.39
	40	5200	15.51
	44	5220	15.6
	48	5240	15.45
802.11n HT20	36	5180	19.07
	40	5200	20.94
	44	5220	20.97
	48	5240	20.95
802.11n HT40	38	5190	17.64
	46	5230	19.32
802.11ac VHT80	42	5210	18.64
802.11ax HE20	36	5180	19.1
	40	5200	20.84
	44	5220	20.87
	48	5240	20.86
802.11ax HE40	38	5190	17.5
	46	5230	19.25
802.11ax HE80	42	5210	18.52

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
802.11n HT20	36	5180	12.66	12.68	15.68
	40	5200	12.61	12.63	15.63
	44	5220	12.26	12.84	15.57
	48	5240	12.44	12.46	15.46
802.11n HT40	38	5190	14.08	14.11	17.11
	46	5230	13.11	13.14	16.14
802.11ac VHT80	42	5210	16.49	16.51	19.51
802.11ax HE20	36	5180	13.02	13.05	16.05
	40	5200	13.04	13.06	16.06
	44	5220	13.05	12.98	16.03
	48	5240	12.91	12.93	15.93
802.11ax HE40	38	5190	14.64	14.66	17.66
	46	5230	13.85	13.87	16.87
802.11ax HE80	42	5210	14.28	14.31	17.31

Conducted Power (Full)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	20.85
	56	5280	20.88
	60	5300	20.92
	64	5320	20.84
802.11n HT20	52	5260	20.83
	56	5280	20.86
	60	5300	20.76
	64	5320	20.77
802.11n HT40	54	5270	20.94
	62	5310	18.23
802.11ac VHT80	58	5290	18.34
802.11ac VHT160	50	5250	15.78
802.11ax HE20	52	5260	20.75
	56	5280	20.87
	60	5300	20.82
	64	5320	20.78
802.11ax HE40	54	5270	20.83
	62	5310	18.03
802.11ax HE80	58	5290	18.3
802.11ax HE160	50	5250	15.76

Conducted Power (Full)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	20.82
	56	5280	20.89
	60	5300	20.86
	64	5320	18.85
802.11n HT20	52	5260	20.97
	56	5280	20.98
	60	5300	20.94
	64	5320	18.93
802.11n HT40	54	5270	20.47
	62	5310	16.89
802.11ac VHT80	58	5290	17.63
802.11ac VHT160	50	5250	15
802.11ax HE20	52	5260	20.82
	56	5280	20.87
	60	5300	20.9
	64	5320	18.84
802.11ax HE40	54	5270	20.25
	62	5310	16.84
802.11ax HE80	58	5290	17.62
802.11ax HE160	50	5250	15.1

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
802.11n HT20	52	5260	18.33	18.38	21.37
	56	5280	18.26	18.12	21.2
	60	5300	18.27	18.31	21.3
	64	5320	18.6	18.36	21.49
802.11n HT40	54	5270	19.91	19.92	22.93
	62	5310	19.55	19.57	22.57
802.11ac VHT80	58	5290	16.48	16.51	19.51
802.11ac VHT160	50	5250	13.09	13.12	16.12
802.11ax HE20	52	5260	18.83	18.87	21.86
	56	5280	17.76	17.85	20.82
	60	5300	18.74	18.75	21.76
	64	5320	16.33	16.35	19.35
802.11ax HE40	54	5270	19.38	19.39	22.4
	62	5310	16.11	16.12	19.13
802.11ax HE80	58	5290	16.03	16.08	19.07
802.11ax HE160	50	5250	13.11	13.14	16.14

Conducted Power (Full)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	20.89
	116	5580	20.85
	132	5660	20.83
	140	5700	20.86
	144	5720	20.78
802.11n HT20	100	5500	20.84
	116	5580	20.89
	132	5660	20.86
	140	5700	20.85
	144	5720	20.81
802.11n HT40	102	5510	19.77
	110	5550	20.77
	134	5670	20.76
	142	5710	20.82
802.11ac VHT80	106	5530	17.98
	138	5690	20.97
802.11ax HE20	100	5500	20.86
	116	5580	20.8
	132	5660	20.8
	140	5700	20.87
	144	5720	20.79
802.11ax HE40	102	5510	19.78
	110	5550	20.79
	134	5670	20.9
	142	5710	20.77
802.11ax HE80	106	5530	17.89
	138	5690	20.77

Conducted Power (Full)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	20.41
	116	5580	20.79
	132	5660	20.88
	140	5700	20.31
	144	5720	20.14
802.11n HT20	100	5500	19.78
	116	5580	20.78
	132	5660	20.77
	140	5700	20.82
	144	5720	20.9
802.11n HT40	102	5510	17.88
	110	5550	20.06
	134	5670	20.86
	142	5710	20.89
802.11ac VHT80	106	5530	17.97
	138	5690	20.98
802.11ax HE20	100	5500	19.86
	116	5580	20.86
	132	5660	20.88
	140	5700	20.77
	144	5720	20.8
802.11ax HE40	102	5510	17.84
	110	5550	20.13
	134	5670	20.87
	142	5710	20.85
802.11ax HE80	106	5530	17.76
	138	5690	20.78



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
802.11n HT20	100	5500	17.78	17.83	20.82
	116	5580	17.83	17.87	20.86
	132	5660	17.83	17.87	20.86
	140	5700	17.86	17.81	20.85
	144	5720	17.89	17.83	20.87
802.11n HT40	102	5510	17.53	17.56	20.56
	110	5550	17.85	17.8	20.84
	134	5670	17.82	17.84	20.84
802.11ac VHT80	142	5710	17.88	17.85	20.88
	106	5530	17.36	17.37	20.38
802.11ac VHT80	138	5690	17.86	17.87	20.88
	100	5500	17.88	17.79	20.85
802.11ax HE20	116	5580	17.78	17.8	20.8
	132	5660	17.87	17.84	20.87
	140	5700	17.88	17.81	20.86
	144	5720	17.22	17.25	20.25
802.11ax HE40	102	5510	17.11	17.13	20.13
	110	5550	17.85	17.84	20.86
	134	5670	17.77	17.78	20.79
802.11ax HE40	142	5710	17.56	17.58	20.58
	106	5530	17.25	17.28	20.28
802.11ax HE80	138	5690	17.75	17.77	20.77

Conducted Power (Full)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	20.77
	153	5765	20.86
	157	5785	20.75
	161	5805	20.89
	165	5825	20.79
802.11n HT20	149	5745	20.87
	153	5765	20.81
	157	5785	20.83
	161	5805	20.82
	165	5825	20.82
802.11n HT40	151	5755	20.75
	159	5795	20.86
802.11ac VHT20	149	5745	20.89
	153	5765	20.79
	157	5785	20.88
	161	5805	20.76
	165	5825	20.89
802.11ac VHT40	151	5755	20.86
	159	5795	20.83
802.11ac VHT80	155	5775	20.99
802.11ax HE20	149	5745	20.8
	153	5765	20.79
	157	5785	20.75
	161	5805	20.85
	165	5825	20.84
802.11ax HE40	151	5755	20.9
	159	5795	20.8
802.11ax HE80	155	5775	19.75

Conducted Power (Full)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	20.75
	153	5765	20.86
	157	5785	20.78
	161	5805	20.79
	165	5825	20.88
802.11n HT20	149	5745	20.86
	153	5765	20.89
	157	5785	20.75
	161	5805	20.83
	165	5825	20.83
802.11n HT40	151	5755	20.86
	159	5795	20.82
802.11ac VHT20	149	5745	20.81
	153	5765	20.87
	157	5785	20.86
	161	5805	20.89
	165	5825	20.9
802.11ac VHT40	151	5755	20.76
	159	5795	20.9
802.11ac VHT80	155	5775	20.95
802.11ax HE20	149	5745	20.88
	153	5765	20.79
	157	5785	20.8
	161	5805	20.82
	165	5825	20.86
802.11ax HE40	151	5755	20.87
	159	5795	20.86
802.11ax HE80	155	5775	19.79

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
802.11n HT20	149	5745	20.85	20.88	23.88
	153	5765	20.8	20.84	23.83
	157	5785	20.91	20.93	23.93
	161	5805	20.78	20.89	23.85
	165	5825	20.93	20.95	23.95
802.11n HT40	151	5755	20.51	20.55	23.54
	159	5795	20.92	20.93	23.94
802.11ac VHT20	149	5745	20.76	20.87	23.83
	153	5765	20.79	20.89	23.85
	157	5785	20.84	20.83	23.85
	161	5805	20.75	20.89	23.83
	165	5825	20.84	20.83	23.85
802.11ac VHT40	151	5755	20.82	20.83	23.84
	159	5795	20.85	20.76	23.82
802.11ac VHT80	155	5775	18.36	18.37	21.38
802.11ax HE20	149	5745	21.01	21.03	24.03
	153	5765	20.84	20.76	23.81
	157	5785	20.92	20.93	23.94
	161	5805	20.78	20.86	23.83
	165	5825	21.11	21.14	24.14
802.11ax HE40	151	5755	20.22	20.25	23.25
	159	5795	21.11	21.14	24.14
802.11ax HE80	155	5775	18.31	18.33	21.33

Conducted Power (Full)			
WLAN 5.9GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	169	5845	19.21
	173	5865	19.13
	177	5885	19.15
802.11n HT20	169	5845	16
	173	5865	16
	177	5885	15.86
802.11n HT40	167	5835	19.43
	175	5875	19.5
802.11ac VHT20	169	5845	16.12
	173	5865	16.43
	177	5885	16.25
802.11ac VHT40	167	5835	19.67
	175	5875	19.74
802.11ac VHT80	171	5855	19.53
802.11ac VHT160	163	5815	15.5
802.11ax HE20	169	5845	16.11
	173	5865	16.13
	177	5885	15.9
802.11ax HE40	167	5835	19.46
	175	5875	19.62
802.11ax HE80	171	5855	20
802.11ax HE160	163	5815	15.82

Conducted Power (Full)			
WLAN 5.9GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	169	5845	19.19
	173	5865	19.16
	177	5885	19.14
802.11n HT20	169	5845	16.75
	173	5865	16.67
	177	5885	16.75
802.11n HT40	167	5835	20.13
	175	5875	20.22
802.11ac VHT20	169	5845	16.52
	173	5865	16.69
	177	5885	16.72
802.11ac VHT40	167	5835	20.1
	175	5875	20.26
802.11ac VHT80	171	5855	20.02
802.11ac VHT160	163	5815	16.02
802.11ax HE20	169	5845	16.89
	173	5865	16.92
	177	5885	16.78
802.11ax HE40	167	5835	20.16
	175	5875	20.41
802.11ax HE80	171	5855	20.49
802.11ax HE160	163	5815	16.68

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
802.11n HT20	169	5845	16	16.75	19.4
	173	5865	16	16.67	19.36
	177	5885	15.86	16.75	19.34
802.11n HT40	167	5835	19.43	20.13	22.8
	175	5875	19.5	20.22	22.89
802.11ac VHT20	169	5845	16.12	16.52	19.33
	173	5865	16.43	16.69	19.57
	177	5885	16.25	16.72	19.5
802.11ac VHT40	167	5835	19.67	20.1	22.9
	175	5875	19.74	20.26	23.02
802.11ac VHT80	171	5855	19.53	20.02	22.79
802.11ac VHT160	163	5815	15.5	16.02	18.78
802.11ax HE20	169	5845	16.11	16.89	19.53
	173	5865	16.13	16.92	19.55
	177	5885	15.9	16.78	19.37
802.11ax HE40	167	5835	19.46	20.16	22.83
	175	5875	19.62	20.41	23.04
802.11ax HE80	171	5855	20	20.49	23.26
802.11ax HE160	163	5815	15.82	16.68	19.28

Conducted Power (Full)			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	1	5955	4.9
	5	5975	4.63
	9	5995	4.69
	13	6015	4.53
	17	6035	4.61
	21	6055	4.76
	25	6075	4.52
	29	6095	4.78
	33	6115	4.8
	37	6135	4.8
	41	6155	4.61
	45	6175	4.66
	49	6195	4.79
	53	6215	4.67
	57	6235	4.77
	61	6255	4.6
	65	6275	4.86
	69	6295	4.76
	73	6315	4.59
	77	6335	4.56
81	6355	4.51	
85	6375	4.81	
89	6395	4.75	
93	6415	4.65	
802.11ax HE40	3	5965	7.81
	11	6005	7.82
	19	6045	7.78
	27	6085	7.88
	35	6125	7.66
	43	6165	7.59
	51	6205	7.86
	59	6245	7.69
	67	6285	7.56
	75	6325	7.57
83	6365	7.64	
91	6405	7.53	
802.11ax HE80	7	5985	10.74
	23	6065	10.47
	39	6145	10.53
	55	6225	10.68
	71	6305	10.71
	87	6385	10.43
802.11ax HE160	15	6025	13.49
	47	6185	13.41
	79	6345	13.48

Conducted Power (Full)			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	1	5955	4.83
	5	5975	4.55
	9	5995	4.55
	13	6015	4.59
	17	6035	4.54
	21	6055	4.68
	25	6075	4.77
	29	6095	4.71
	33	6115	4.62
	37	6135	4.72
	41	6155	4.83
	45	6175	4.73
	49	6195	4.68
	53	6215	4.63
	57	6235	4.64
	61	6255	4.88
	65	6275	4.86
	69	6295	4.63
	73	6315	4.76
	77	6335	4.77
81	6355	4.59	
85	6375	4.59	
89	6395	4.89	
93	6415	4.63	
802.11ax HE40	3	5965	7.87
	11	6005	7.75
	19	6045	7.78
	27	6085	7.82
	35	6125	7.58
	43	6165	7.67
	51	6205	7.78
	59	6245	7.51
	67	6285	7.74
	75	6325	7.89
83	6365	7.83	
91	6405	7.57	
802.11ax HE80	7	5985	10.76
	23	6065	10.62
	39	6145	10.46
	55	6225	10.46
	71	6305	10.55
	87	6385	10.57
802.11ax HE160	15	6025	13.48
	47	6185	13.42
	79	6345	13.47

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	1.21	1.25	4.24
	5	5975	1.35	1.19	4.28
	9	5995	1.38	1.26	4.33
	13	6015	1.34	1.34	4.35
	17	6035	1.39	1.35	4.38
	21	6055	1.25	1.22	4.25
	25	6075	1.16	1.28	4.23
	29	6095	1.13	1.1	4.13
	33	6115	1.35	1.16	4.27
	37	6135	1.29	1.39	4.35
	41	6155	1.17	1.29	4.24
	45	6175	1.18	1.17	4.19
	49	6195	1.35	1.33	4.35
	53	6215	1.3	1.24	4.28
	57	6235	1.07	1.09	4.09
	61	6255	1.12	1.22	4.18
	65	6275	1.23	1.34	4.3
	69	6295	1.39	1.21	4.31
	73	6315	1.3	1.06	4.19
	77	6335	1.34	1.19	4.28
81	6355	1.35	1.33	4.35	
85	6375	1.33	1.33	4.34	
89	6395	1.23	1.38	4.32	
93	6415	0.91	0.89	3.91	
802.11ax HE40	3	5965	4.11	4.21	7.17
	11	6005	4.68	4.4	7.55
	19	6045	4.61	4.35	7.49
	27	6085	4.5	4.68	7.6
	35	6125	4.34	4.47	7.42
	43	6165	4.8	4.62	7.72
	51	6205	3.95	3.93	6.95
	59	6245	4.36	4.57	7.48
	67	6285	4.79	4.46	7.64
	75	6325	4.6	4.54	7.58
83	6365	4.4	4.76	7.59	
91	6405	4.31	4.29	7.31	
802.11ax HE80	7	5985	7.09	7.11	10.11
	23	6065	7.4	7.51	10.47
	39	6145	7.5	7.69	10.61
	55	6225	7.51	7.5	10.52
	71	6305	7.64	7.55	10.61
	87	6385	6.91	6.91	9.92
802.11ax HE160	15	6025	9.78	9.77	12.79
	47	6185	9.73	9.68	12.72
	79	6345	9.75	9.78	12.78



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Conducted Power (Full)			
UNII-6 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	97	6435	5.5
	101	6455	5.66
	105	6475	5.5
	109	6495	5.79
	113	6515	5.61
802.11ax HE40	99	6445	8.35
	107	6485	8.37
	115	6525	8.17
802.11ax HE80	103	6465	10.41
	119	6545	10.54
802.11ax HE160	111	6505	13.48



Conducted Power (Full)			
UNII-6 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	97	6435	5.77
	101	6455	5.52
	105	6475	5.85
	109	6495	5.89
	113	6515	5.84
802.11ax HE40	99	6445	8.25
	107	6485	8.26
	115	6525	8.29
802.11ax HE80	103	6465	10.73
	119	6545	10.77
802.11ax HE160	111	6505	13.46



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	2.11	2.08	5.11
	101	6455	1.98	1.96	4.98
	105	6475	1.95	1.95	4.96
	109	6495	2.06	2.03	5.06
	113	6515	2.03	2.06	5.06
802.11ax HE40	99	6445	4.86	4.85	7.87
	107	6485	5.01	4.99	8.01
	115	6525	5.13	5.11	8.13
802.11ax HE80	103	6465	7.34	7.35	10.36
	119	6545	7.37	7.41	10.4
802.11ax HE160	111	6505	10.18	10.17	13.19

Conducted Power (Full)			
UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	117	6535	4.61
	121	6555	4.54
	125	6575	4.55
	129	6595	4.62
	133	6615	4.86
	137	6635	4.83
	141	6655	4.71
	145	6675	4.71
	149	6695	4.57
	153	6715	4.87
	157	6735	4.87
	161	6755	4.73
	165	6775	4.81
	169	6795	4.63
	173	6815	4.57
	177	6835	4.58
	181	6855	4.54
	185	6875	4.81
802.11ax HE40	123	6565	7.72
	131	6605	7.59
	139	6645	7.87
	147	6685	7.65
	155	6725	7.88
	163	6765	7.79
	171	6805	7.6
	179	6845	7.63
187	6885	7.52	
802.11ax HE80	135	6625	10.36
	151	6705	10.27
	167	6785	10.36
	183	6865	10.37
802.11ax HE160	143	6665	13.47
	175	6825	13.46



Conducted Power (Full)			
UNII-7 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	117	6535	4.88
	121	6555	4.76
	125	6575	4.7
	129	6595	4.65
	133	6615	4.76
	137	6635	4.78
	141	6655	4.68
	145	6675	4.88
	149	6695	4.85
	153	6715	4.67
	157	6735	4.73
	161	6755	4.88
	165	6775	4.62
	169	6795	4.63
	173	6815	4.72
	177	6835	4.72
	181	6855	4.88
	185	6875	4.65
802.11ax HE40	123	6565	7.67
	131	6605	7.73
	139	6645	7.78
	147	6685	7.84
	155	6725	7.73
	163	6765	7.72
	171	6805	7.66
	179	6845	7.61
187	6885	7.59	
802.11ax HE80	135	6625	10.33
	151	6705	10.29
	167	6785	10.31
	183	6865	10.23
802.11ax HE160	143	6665	13.48
	175	6825	13.43

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	1.37	1.41	4.4
	121	6555	1.33	1.05	4.2
	125	6575	1.26	1.13	4.21
	129	6595	1.37	1.12	4.26
	133	6615	1.15	1.25	4.21
	137	6635	1.2	1.38	4.3
	141	6655	1.37	1.34	4.37
	145	6675	1.08	1.11	4.11
	149	6695	1.13	1.11	4.13
	153	6715	1.34	1.1	4.23
	157	6735	1.35	1.18	4.28
	161	6755	1.23	1.38	4.32
	165	6775	1.26	1.22	4.25
	169	6795	1.18	1.37	4.29
	173	6815	1.09	1.34	4.23
	177	6835	1.32	1.35	4.35
	181	6855	1.34	1.34	4.35
	185	6875	1.33	1.32	4.34
802.11ax HE40	123	6565	4.85	4.82	7.85
	131	6605	4.55	4.32	7.45
	139	6645	4.69	4.53	7.62
	147	6685	4.11	4.12	7.13
	155	6725	4.61	4.6	7.62
	163	6765	4.53	4.71	7.63
	171	6805	4.69	4.67	7.69
	179	6845	4.08	4.09	7.1
187	6885	4.72	4.68	7.71	
802.11ax HE80	135	6625	7.36	7.21	10.3
	151	6705	6.99	7.01	10.01
	167	6785	7.25	7.26	10.27
	183	6865	7.03	7.09	10.07
802.11ax HE160	143	6665	9.86	9.85	12.87
	175	6825	9.83	9.82	12.84



Conducted Power (Full)			
UNII-8 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	189	6895	4.69
	193	6915	4.7
	197	6935	4.8
	201	6955	4.53
	205	6975	4.81
	209	6995	4.73
	213	7015	4.72
	217	7035	4.63
	221	7055	4.84
	225	7075	4.53
	229	7095	4.5
	233	7115	0.89
	802.11ax HE40	195	6925
203		6965	7.54
211		7005	7.65
219		7045	7.79
227		7085	7.78
802.11ax HE80	199	6945	10.1
	215	7025	10.24
802.11ax HE160	207	6985	13.45



Conducted Power (Full)			
UNII-8 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	189	6895	4.57
	193	6915	4.52
	197	6935	4.55
	201	6955	4.6
	205	6975	4.82
	209	6995	4.77
	213	7015	4.57
	217	7035	4.77
	221	7055	4.81
	225	7075	4.51
	229	7095	4.69
	233	7115	0.86
	802.11ax HE40	195	6925
203		6965	7.56
211		7005	7.6
219		7045	7.62
227		7085	7.84
802.11ax HE80	199	6945	10.36
	215	7025	10.2
802.11ax HE160	207	6985	13.48



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	1.37	1.23	4.31
	193	6915	1.27	1.14	4.22
	197	6935	1.22	1.29	4.27
	201	6955	1.16	1.03	4.11
	205	6975	1.1	1.26	4.19
	209	6995	1.51	1.53	4.53
	213	7015	1.28	1.35	4.33
	217	7035	1.39	1.25	4.33
	221	7055	1.14	1.07	4.12
	225	7075	1.01	1.24	4.14
	229	7095	1.26	1.25	4.27
	233	7115	-2.13	-2.14	0.88
	802.11ax HE40	195	6925	4.69	4.6
203		6965	4.71	4.72	7.73
211		7005	4.47	4.6	7.55
219		7045	4.8	4.35	7.59
227		7085	4.83	4.85	7.85
802.11ax HE80	199	6945	7.46	7.49	10.49
	215	7025	7.29	7.31	10.31
802.11ax HE160	207	6985	9.92	9.91	12.93

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.

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	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)
7	WLAN2.4G	802.11b	Laptop of Bottom	0	6	Ant 0	97.18	1.03	21.50	21.25	1.06	0	<0.001	0.00
	WLAN2.4G	802.11b	Laptop of Bottom	0	6	Ant 1	97.18	1.03	21.00	20.71	1.07	0	<0.001	0.00
	WLAN2.4G	802.11n HT20	Laptop of Bottom	0	6	Ant 0+1	99.12	1.01	24.00	23.93	1.02	0	<0.001	0.00
	WLAN2.4G	802.11b	Laptop of Bottom	0	1	Ant 0	97.18	1.03	21.00	19.98	1.26	0	<0.001	0.00
	WLAN2.4G	802.11b	Laptop of Bottom	0	11	Ant 0	97.18	1.03	21.00	20.94	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Laptop of Bottom	0	12	Ant 0	97.18	1.03	19.00	18.92	1.02	0	<0.001	0.00
	WLAN2.4G	802.11b	Laptop of Bottom	0	13	Ant 0	97.18	1.03	15.50	15.48	1.00	0	<0.001	0.00
8	WLAN5.3G	802.11n HT40	Laptop of Bottom	0	54	Ant 0	97.03	1.03	21.00	20.94	1.01	0	<0.001	0.00
	WLAN5.3G	802.11n HT20	Laptop of Bottom	0	56	Ant 1	97.27	1.03	21.00	20.98	1.00	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Laptop of Bottom	0	54	Ant 0+1	97.03	1.03	23.00	22.93	1.02	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Laptop of Bottom	0	62	Ant 0	97.03	1.03	18.25	18.23	1.00	0	<0.001	0.00
9	WLAN5.6G	802.11ac VHT80	Laptop of Bottom	0	138	Ant 0	97.03	1.03	21.00	20.97	1.01	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Laptop of Bottom	0	138	Ant 1	97.03	1.03	21.00	20.98	1.00	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Laptop of Bottom	0	138	Ant 0+1	97.03	1.03	21.00	20.88	1.03	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Laptop of Bottom	0	106	Ant 0	97.03	1.03	18.00	17.98	1.00	0	<0.001	0.00

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	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)
10	WLAN5.8G	802.11ac VHT80	Laptop of Bottom	0	155	Ant 0	97.03	1.03	21.00	20.99	1.00	0	<0.001	0.00
	WLAN5.8G	802.11ac VHT80	Laptop of Bottom	0	155	Ant 1	97.03	1.03	21.00	20.95	1.01	0	<0.001	0.00
	WLAN5.8G	802.11ax HE40	Laptop of Bottom	0	159	Ant 0+1	98.74	1.01	24.50	24.14	1.09	0	<0.001	0.00
11	WLAN5.9G	802.11ax HE80	Laptop of Bottom	0	171	Ant 0	97.77	1.02	20.50	20.00	1.12	0	<0.001	0.00
	WLAN5.9G	802.11ax HE80	Laptop of Bottom	0	171	Ant 1	97.77	1.02	20.50	20.49	1.00	0	<0.001	0.00
	WLAN5.9G	802.11ax HE80	Laptop of Bottom	0	171	Ant 0+1	97.77	1.02	23.50	23.26	1.06	0	<0.001	0.00
12	BT	BR / EDR	Laptop of Bottom	0	78	Ant 1	76.86	1.30	10.50	10.01	1.12	0	<0.001	0.00
	BT	BR / EDR	Laptop of Bottom	0	78	Ant 1	76.86	1.30	10.50	10.01	1.12	0	<0.001	0.00
	BT	BR / EDR	Laptop of Bottom	0	0	Ant 1	76.86	1.30	10.50	9.31	1.32	0	<0.001	0.00
	BT	BR / EDR	Laptop of Bottom	0	39	Ant 1	76.86	1.30	10.50	9.61	1.23	0	<0.001	0.00



SAR Test Result																	
System & Position						DUT Configuration	SAR										
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)	Measured APD W/m ² (4cm ²)	Scaled APD W/m ² (4cm ²)	
13	UNII-5	802.11ax HE160	Laptop of Bottom	0	15	Ant 0	97.51	1.03	13.50	13.49	1.00	0	<0.001	0.00	0	0	
	UNII-5	802.11ax HE160	Laptop of Bottom	0	15	Ant 1	97.51	1.03	13.50	13.48	1.00	0	<0.001	0.00	0	0	
	UNII-5	802.11ax HE160	Laptop of Bottom	0	15	Ant 0+1	97.51	1.03	13.50	12.79	1.18	0	<0.001	0.00	0	0	
	UNII-5	802.11ax HE160	Laptop of Bottom	0	47	Ant 0	97.51	1.03	13.50	13.41	1.02	0	<0.001	0.00	0	0	
	UNII-5	802.11ax HE160	Laptop of Bottom	0	79	Ant 0	97.51	1.03	13.50	13.48	1.00	0	<0.001	0.00	0	0	
	UNII-6	802.11ax HE160	Laptop of Bottom	0	111	Ant 0	97.51	1.03	13.50	13.48	1.00	0	<0.001	0.00	0	0	
	UNII-7	802.11ax HE160	Laptop of Bottom	0	143	Ant 0	0.00	1.00	13.50	13.47	1.01	0	<0.001	0.00	0	0	
	UNII-7	802.11ax HE160	Laptop of Bottom	0	175	Ant 0	0.00	1.00	13.50	13.46	1.01	0	<0.001	0.00	0	0	
	UNII-8	802.11ax HE160	Laptop of Bottom	0	207	Ant 0	97.51	1.03	13.50	13.45	1.01	0	<0.001	0.00	0	0	
							-	1.00	-	-	1		-	-		-	

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 / Bystander Exposure Condition
A	WLAN 2.4G Ant 0+ BT ant 1	Yes
B	WLAN 2.4G Ant 0+ WLAN 2.4G Ant 1	Yes
C	WLAN 5G Ant 0+ BT ant 1	Yes
D	WLAN 5G Ant 0+ WLAN 5G Ant 1	Yes
E	WLAN 5G Ant 0+ WLAN 5G Ant 1+ BT ant 1	Yes
F	WLAN 6G Ant 0+ BT ant 1	Yes
G	WLAN 6G Ant 0+ WLAN 6G Ant 1	Yes
H	WLAN 6G Ant 0+ WLAN 6G Ant 1+ BT ant 1	Yes

Notes

1. The WLAN 2.4G and WLAN 5G 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											
Position	1	2	3	4	5	6	A(1+6)	C(2+6)	E(3+6)	F(4+6)	H(5+6)
	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	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg	Summimg result 1g SAR W/kg
	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg					
Laptop of Bottom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00