Appendix A. Plots of System Verification

The plots for system verification are shown as follows.

Measurement Report for Device

S01 System Check_H2450_221019

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Diople	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,	,			2450	7.89	1.88	38.3

Hardware Setup

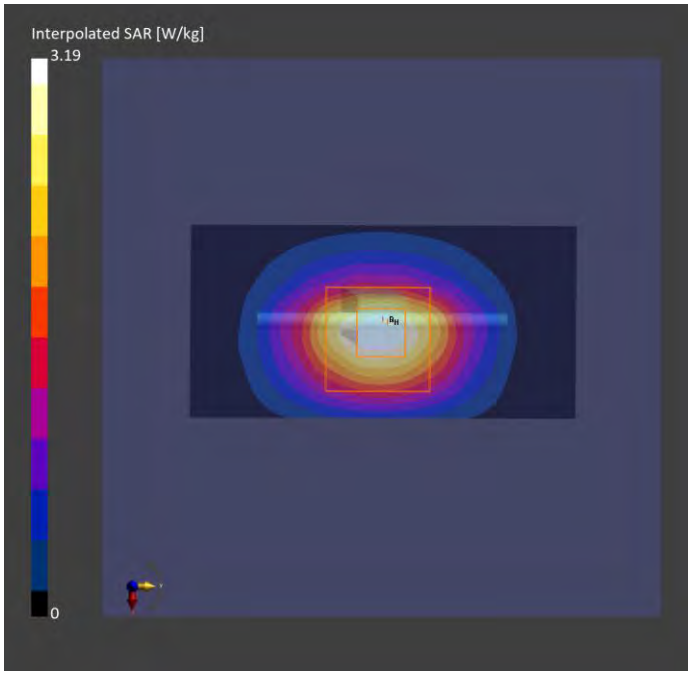
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H19T27N1, 2022-Oct-19	EX3DV4 - SN7472, 2022-05-27	DAE3 Sn579, 2022-06-01

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	48.0 x 96.0	30.0 x 30.0 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	2022-10-19	2022-10-19
psSAR1g [W/kg]	2.48	2.59
psSAR10g [W/kg]	1.20	1.23
Power Drift [dB]	-0.01	-0.02



Plots of System Verification

Measurement Report for Device

S02 System Check_H5250_221020

Device under Test Properties

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	,			5250	5.89	4.66	35.6

Hardware Setup

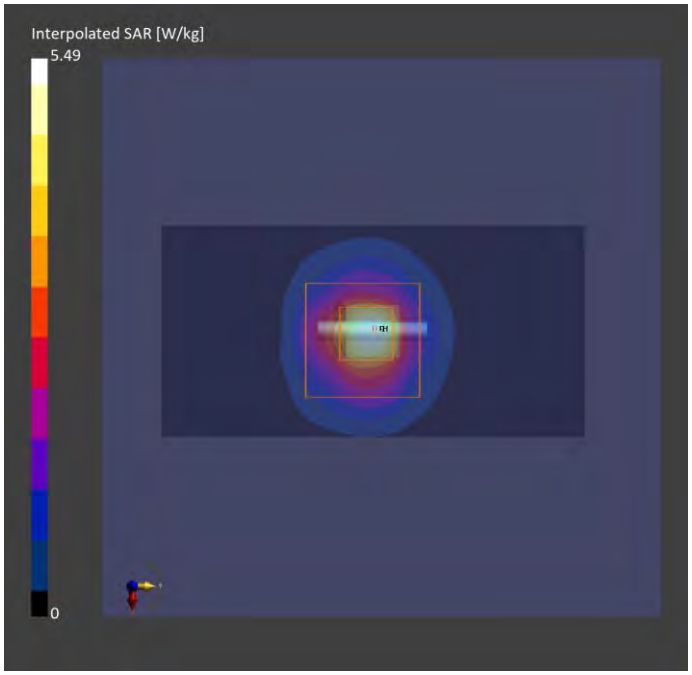
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H34T60N1, 2022-Oct-20	EX3DV4 - SN7472, 2022-05-27	DAE3 Sn579, 2022-06-01

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2022-10-20	2022-10-20
psSAR1g [W/kg]	3.45	3.79
psSAR10g [W/kg]	1.01	1.12
Power Drift [dB]	-0.01	-0.01



Plots of System Verification

Measurement Report for Device

S03 System Check_H5600_221020

Device under Test Properties

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	,			5600	4.61	5.14	36.7

Hardware Setup

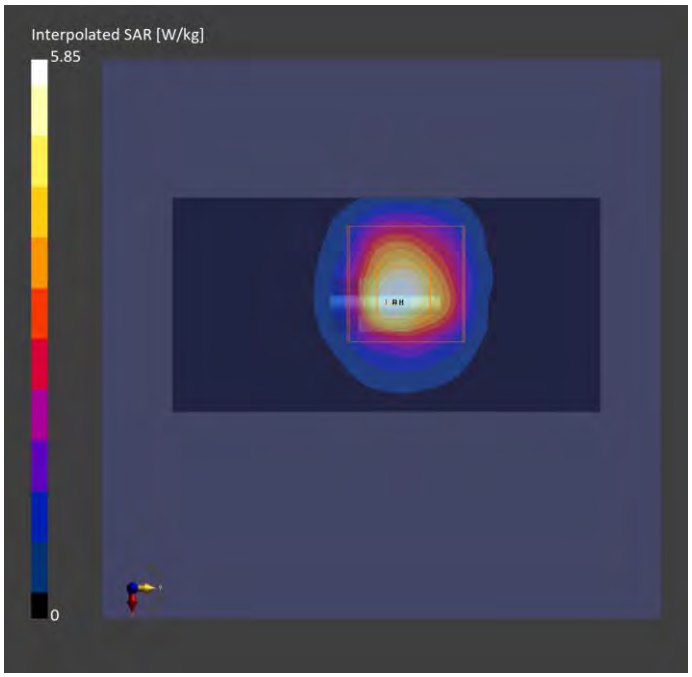
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H34T60N1, 2022-Oct-20	EX3DV4 - SN7554, 2022-07-28	DAE4 Sn1341, 2022-07-19

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2022-10-20	2022-10-20
psSAR1g [W/kg]	4.11	4.52
psSAR10g [W/kg]	1.29	1.28
Power Drift [dB]	-0.01	-0.04



Measurement Report for Device

S04 System Check_H5750_221020

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,	,			5750	4.79	5.28	36.3

Hardware Setup

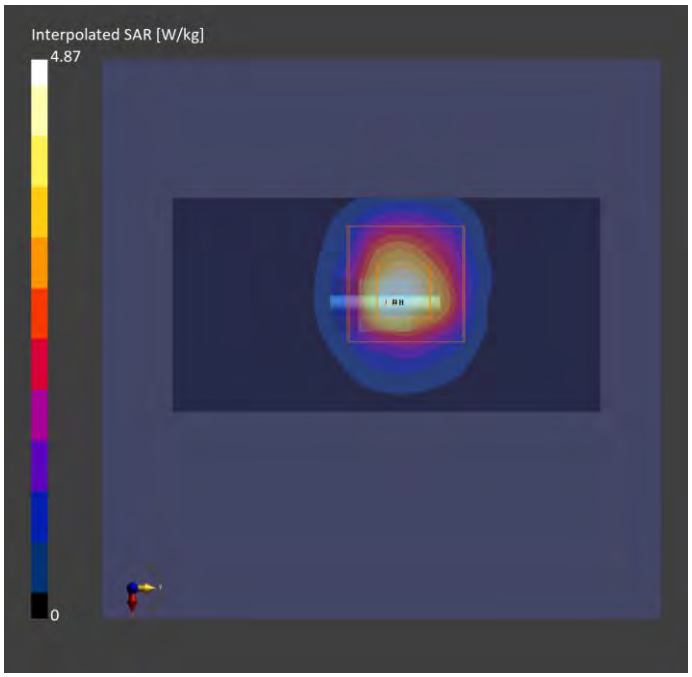
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H34T60N1 , 2022-Oct-20	EX3DV4 - SN7554, 2022-07-28	DAE4 Sn1341, 2022-07-19

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2022-10-20	2022-10-20
psSAR1g [W/kg]	3.45	3.89
psSAR10g [W/kg]	1.07	1.11
Power Drift [dB]	-0.01	0.00



Measurement Report for Device

S05 System Check_H2450_221019

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Diople	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,	,			2450	7.89	1.88	38.3

Hardware Setup

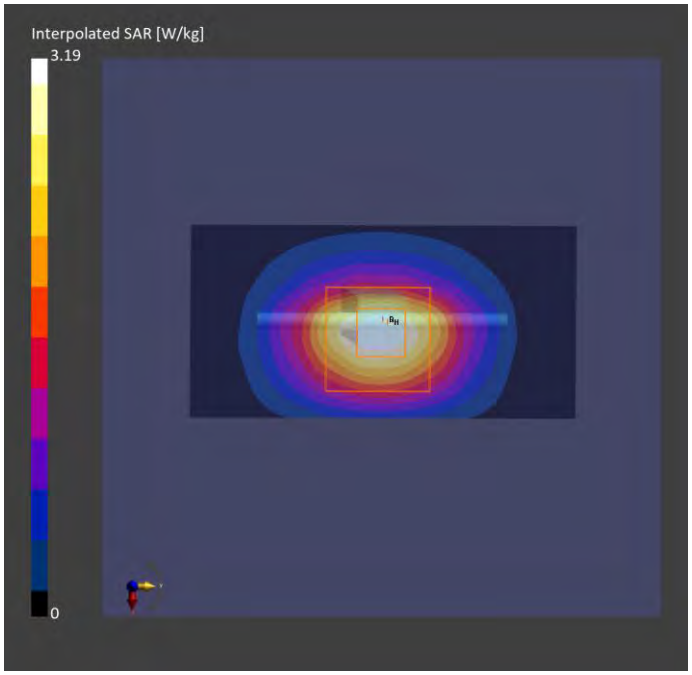
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H19T27N1 , 2022-Oct-19	EX3DV4 - SN7472, 2022-05-27	DAE3 Sn579, 2022-06-01

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	48.0 x 96.0	30.0 x 30.0 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	2022-10-19	2022-10-19
psSAR1g [W/kg]	2.48	2.59
psSAR10g [W/kg]	1.20	1.23
Power Drift [dB]	-0.01	-0.02



Plots of System Verification

Measurement Report for Device,

S06 System Check H6.5GHz_221019

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	50.0 x 10.0 x 8.0		

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	,		,	6500	5.45	6.07	34.8

Hardware Setup

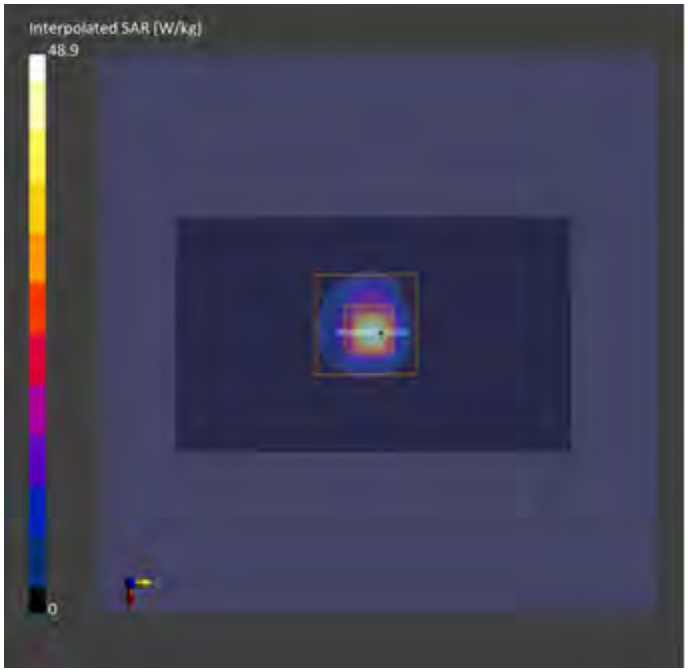
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1245	H50T72N1, 2022-Oct-19	EX3DV4 - SN7537, 2022-04-27	DAE4 Sn1585, 2022-04-21

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	2022-10-19	2022-10-19
psSAR1g [W/kg]	25.5	29.9
psSAR10g [W/kg]	5.03	5.48
psPDab (1.0cm2, sq)[W/m2]		299
psPDab (4.0cm2, sq)[W/m2]		134
Power Drift [dB]	0.01	-0.03



Test Lab: Bureau Veritas ADT SAR/HAC/PD Testing Lab
Power Density Plot No.:
S06 PD_System Check_10 GHz_221108

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPEAG, 5G Verification Source 10 GHz	100.0 x 100.0 x 170.0	SN: 1025	

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	FRONT 10.0	Validation band	CW 0	10000.0 10000	1.0

Hardware Setup

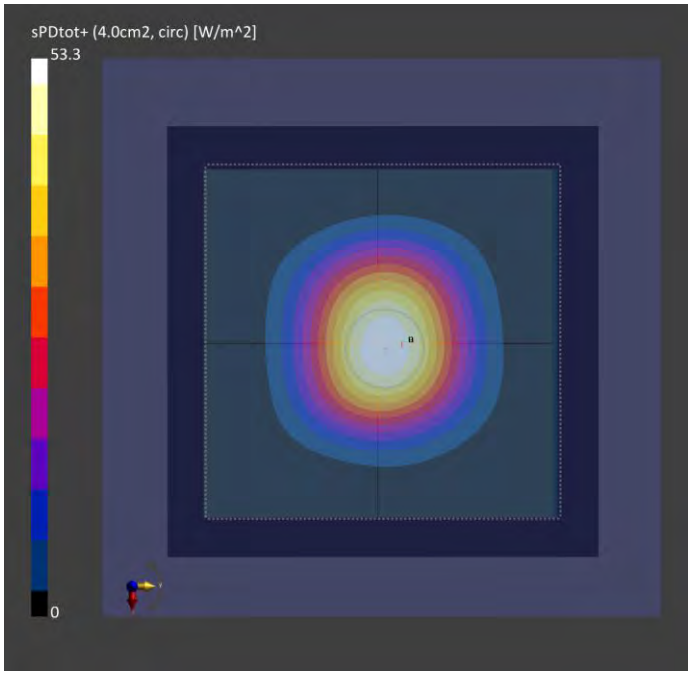
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-55GHz, 2022-07-18	DAE4 Sn1585, 2022-04-21

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55

Measurement Results

	5G Scan
Date	2022-11-08
Avg. Area [cm^2]	4.00
$pS_{tot}avg$[W/m^2]	53.3
$pS_{n}avg$ [W/m^2]	53.2
E_{peak} [V/m]	148
Power Drift [dB]	0.03



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.

Measurement Report for Device

P01 WLAN2.4G_802.11b_Right Side_0mm_Ch6_Ant 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P22100073	240.0 x 45.0 x 310.0		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 2.4GHz	WLAN, 10012-CAB	2437.0, 6	7.89	1.87	38.4

Hardware Setup

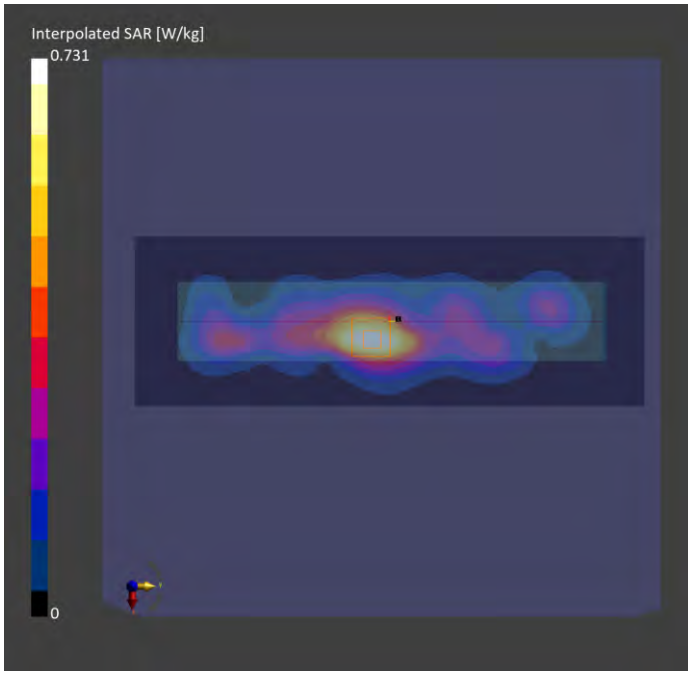
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H19T27N1 , 2022-Oct-19	EX3DV4 - SN7472, 2022-05-27	DAE3 Sn579, 2022-06-01

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 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 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-10-19	2022-10-19
psSAR1g [W/kg]	0.586	0.614
psSAR10g [W/kg]	0.312	0.332
Power Drift [dB]	0.08	-0.01
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		12.0



Measurement Report for Device

P02 WLAN5.3G_802.11n HT40_Right Side_0mm_Ch54_Ant 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P22100073	240.0 x 45.0 x 310.0		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, 10599-AAC	5270.0, 54	5.89	4.69	35.5

Hardware Setup

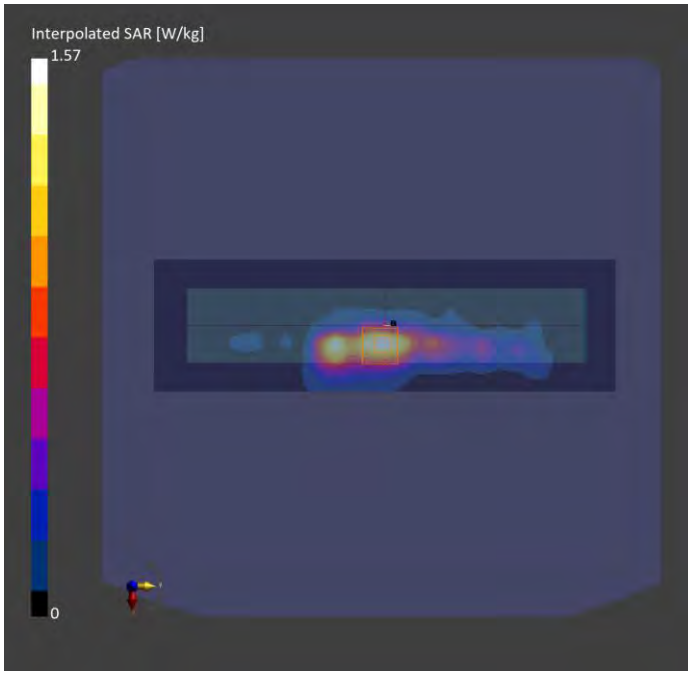
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H34T60N1, 2022-Oct-20	EX3DV4 - SN7472, 2022-05-27	DAE3 Sn579, 2022-06-01

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 280.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-10-20	2022-10-20
psSAR1g [W/kg]	1.11	1.08
psSAR10g [W/kg]	0.427	0.411
Power Drift [dB]	0.02	0.03
M2/M1 [%]		68.3
Dist 3dB Peak [mm]		7.9



Measurement Report

P03 WLAN5.6G_802.11ac VHT80_Right Side_0mm_Ch138_Ant 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P22100073	240.0 x 45.0 x 310.0		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	5690.0, 138	4.61	5.26	36.6

Hardware Setup

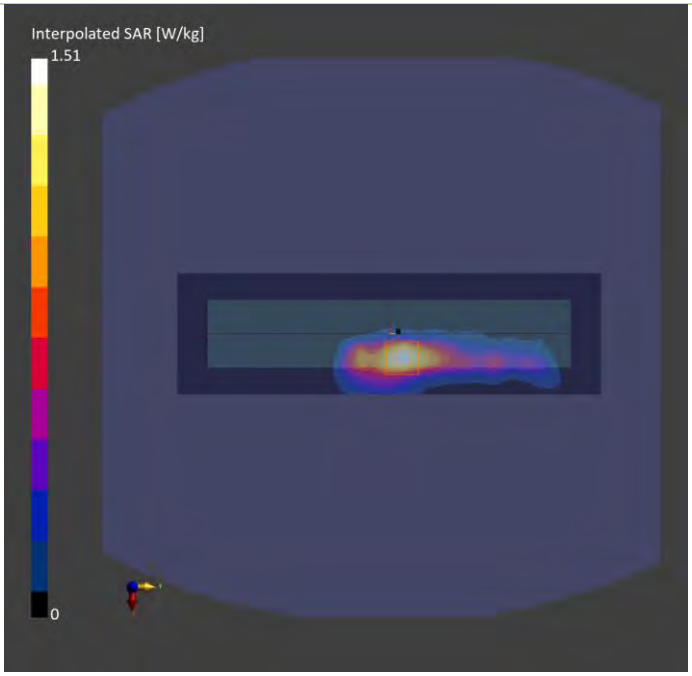
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H34T60N1 , 2022-Oct-20	EX3DV4 - SN7554, 2022-07-28	DAE4 Sn1341, 2022-07-19

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 280.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-10-20	2022-10-20
psSAR1g [W/kg]	1.14	1.15
psSAR10g [W/kg]	0.438	0.389
Power Drift [dB]	-0.05	0.01
M2/M1 [%]		62.0
Dist 3dB Peak [mm]		8.9



Measurement Report

P04 WLAN5.8G_802.11n HT40_Right Side_0mm_Ch151_Ant 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P22100073	240.0 x 45.0 x 310.0		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, 10599-AAC	5755.0, 151	4.79	5.30	36.3

Hardware Setup

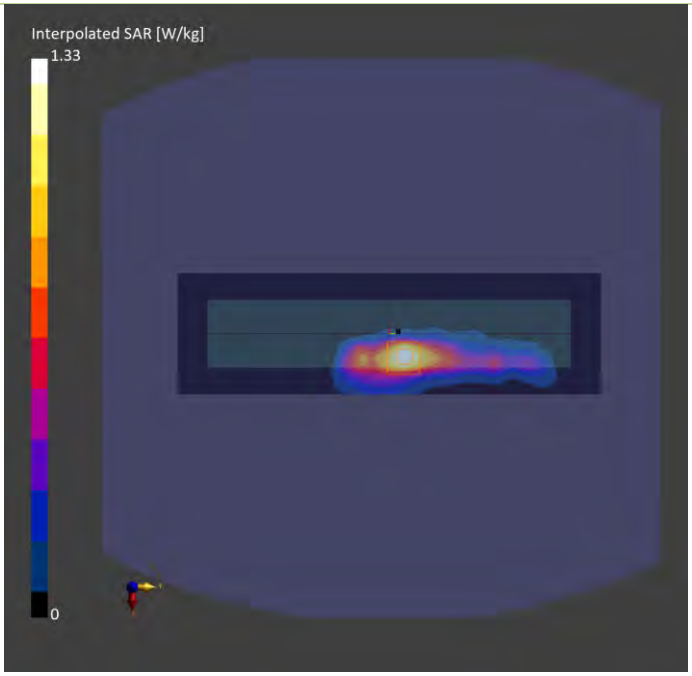
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2118	H34T60N1 , 2022-Oct-20	EX3DV4 - SN7554, 2022-07-28	DAE4 Sn1341, 2022-07-19

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 280.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-10-20	2022-10-20
psSAR1g [W/kg]	1.01	1.09
psSAR10g [W/kg]	0.380	0.389
Power Drift [dB]	0.00	-0.02
M2/M1 [%]		63.5
Dist 3dB Peak [mm]		8.7



Measurement Report for Device

P05 BT_BDR_Right Side_0mm_Ch0_Ant 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P22100073	240.0 x 45.0 x 310.0		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	2402.0, 0	7.89	1.84	38.5

Hardware Setup

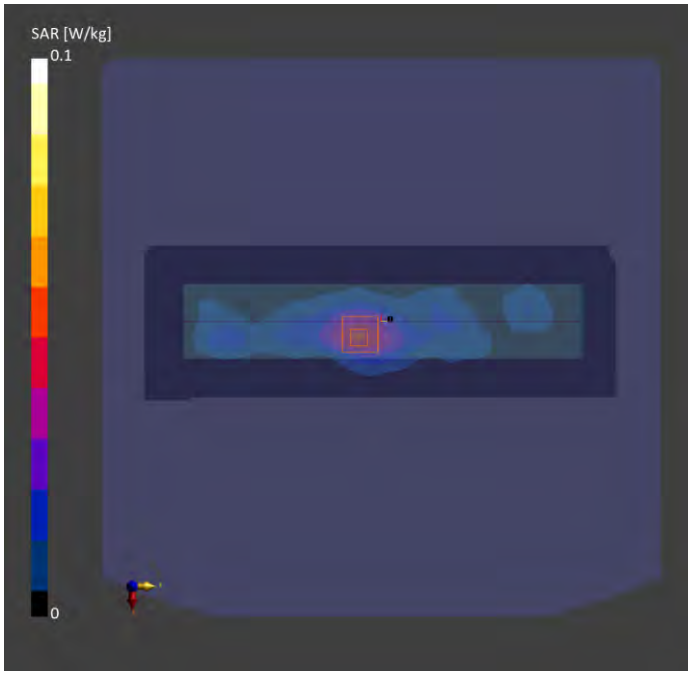
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2105	H19T27N1 , 2022-Oct-19	EX3DV4 - SN7472, 2022-05-27	DAE3 Sn579, 2022-06-01

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 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 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-10-19	2022-10-19
psSAR1g [W/kg]	0.047	0.049
psSAR10g [W/kg]	0.025	0.025
Power Drift [dB]	-0.09	0.03
M2/M1 [%]		52.2
Dist 3dB Peak [mm]		12.0



Measurement Report for Device

P06 UNII-5_802.11ax HE160_Right Side_0mm_Ch47_Ant 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P22100073	240.0 x 45.0 x 310.0		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, HSL	Right Side 0.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	5.45	5.53	35.3

Hardware Setup

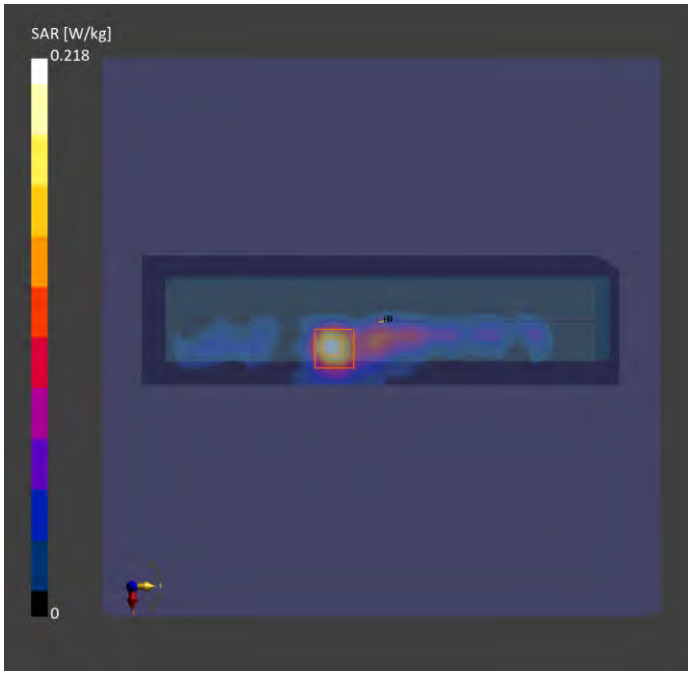
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1245	H50T72N1, 2022-Oct-19	EX3DV4 - SN7537, 2022-04-27	DAE4 Sn1585, 2022-04-21

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	75.0 x 270.0	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	2022-10-19	2022-10-19
psSAR1g [W/kg]	0.230	0.239
psSAR10g [W/kg]	0.077	0.078
psAPD (1.0cm2, sq) [W/m2]		2.39
psAPD (4.0cm2, sq) [W/m2]		1.78
Power Drift [dB]	-0.10	-0.13
M2/M1 [%]		55.4
Dist 3dB Peak [mm]		7.5



Measurement Report
P06 UNII-5_802.11ax HE160_Right Side_0mm_Ch47_Ant1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
CDVB-WTW-P22100073	240.0 x 310.0 x 60.0		Tablet

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Right Side, 0.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

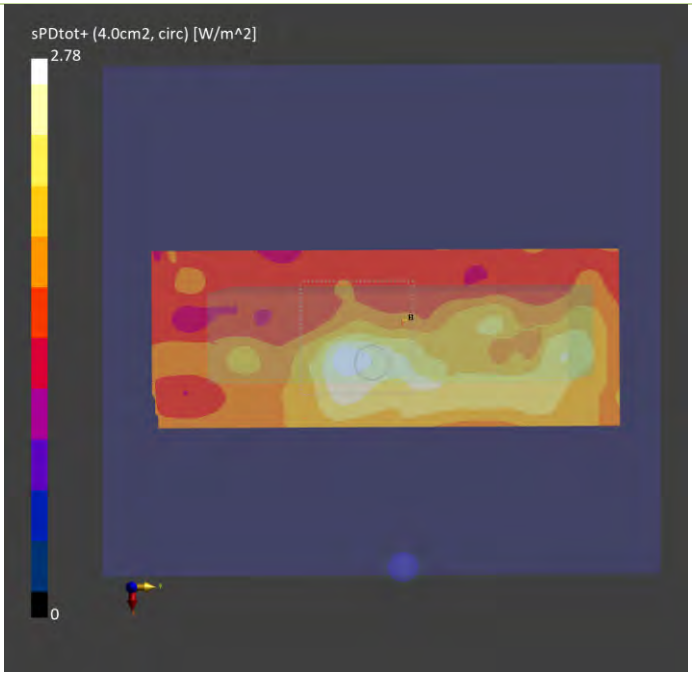
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1030	---Air	EUmmWV4 - SN9438_F1-55GHz, 2022-07-18	DAE4 Sn1585, 2022-04-21

Scan Setup

	5G Scan
Grid Extents [mm]	97.0 x 97.0
Grid Steps [lambda]	0.0515 x 0.0515
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2022-11-08
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	1.62
psPDtot+ [W/m^2]	2.78
psPDmod+ [W/m^2]	3.34
E_{max} [V/m]	40.5
Power Drift [dB]	0.03



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	21.00	21.00			
	11	2462	21.00	21.00			
	12	2467	18.50	19.00			
	13	2472	15.50	15.50			
802.11g	1	2412	19.50	19.50			
	6	2437	21.00	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	18.75	18.50	16.00	16.00	19.00
	6	2437	21.00	21.00	21.00	21.00	24.00
	11	2462	18.75	18.75	17.00	17.00	20.00
	12	2467	15.50	15.50	12.00	12.00	15.00
	13	2472	11.50	12.00	9.50	9.50	12.50
802.11n HT40	3	2422	16.50	16.25	15.50	15.50	18.50
	6	2437	17.50	17.50	16.00	16.00	19.00
	9	2452	17.00	16.00	14.50	14.50	17.50
	10	2457	11.00	11.00	8.50	8.50	11.50
	11	2462	11.00	11.00	9.50	9.50	12.50
802.11ax HE20	1	2412	18.75	18.00	16.00	16.00	19.00
	6	2437	21.00	21.00	20.50	20.50	23.50
	11	2462	18.75	18.75	16.50	16.50	19.50
	12	2467	15.50	15.50	12.50	12.50	15.50
	13	2472	12.00	12.00	10.00	10.00	13.00
802.11ax HE40	3	2422	16.50	16.25	15.50	15.50	18.50
	6	2437	17.00	17.00	15.50	15.50	18.50
	9	2452	17.00	16.00	15.00	15.00	18.00
	10	2457	11.00	11.00	9.50	9.50	12.50
	11	2462	11.00	11.00	10.00	10.00	13.00

Tune-up Power (Full)				
Bluetooth				
Mode	Channel	Frequency		Ant 1 Max Tune-up
BR / EDR	0	2402		10.50
	39	2441		10.50
	78	2480		10.50
LE	0	2402		9.00
	19	2440		9.00
	39	2480		9.00

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	20.00	19.00			
	40	5200	21.00	20.00			
	44	5220	21.00	20.00			
	48	5240	21.00	20.00			
802.11n HT20	36	5180	19.25	18.00	17.00	17.00	20.00
	40	5200	21.00	20.00	18.00	18.00	21.00
	44	5220	21.00	20.00	18.00	18.00	21.00
	48	5240	21.00	20.00	18.00	18.00	21.00
802.11n HT40	38	5190	19.00	17.50	16.50	16.50	19.50
	46	5230	21.00	20.00	19.50	19.50	22.50
802.11ac VHT80	42	5210	19.00	17.00	16.50	16.50	19.50
802.11ax HE20	36	5180	19.50	19.00	18.00	18.00	21.00
	40	5200	21.00	20.00	19.00	19.00	22.00
	44	5220	20.50	20.00	18.50	18.50	21.50
	48	5240	21.00	20.00	19.00	19.00	22.00
802.11ax HE40	38	5190	19.50	17.50	15.50	15.50	18.50
	46	5230	21.00	19.00	19.00	19.00	22.00
802.11ax HE80	42	5210	19.50	17.50	16.50	16.50	19.50

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	20.00			
	56	5280	21.00	20.00			
	60	5300	20.50	19.00			
	64	5320	20.50	19.00			
802.11n HT20	52	5260	21.00	20.00	18.50	18.50	21.50
	56	5280	21.00	20.00	18.50	18.50	21.50
	60	5300	20.50	19.00	17.50	17.50	20.50
	64	5320	20.50	19.00	17.50	17.50	20.50
802.11n HT40	54	5270	21.00	20.00	20.00	20.00	23.00
	62	5310	18.00	16.50	16.50	16.50	19.50
802.11ac VHT80	58	5290	17.75	18.00	16.50	16.50	19.50
802.11ac VHT160	50	5250	16.50	15.00	13.00	13.00	16.00
802.11ax HE20	52	5260	21.00	20.00	19.00	19.00	22.00
	56	5280	20.00	20.00	19.00	19.00	22.00
	60	5300	20.00	19.00	17.00	17.00	20.00
	64	5320	20.50	19.00	17.00	17.00	20.00
802.11ax HE40	54	5270	21.00	20.00	19.50	19.50	22.50
	62	5310	18.00	17.00	16.00	16.00	19.00
802.11ax HE80	58	5290	17.75	17.50	16.00	16.00	19.00
802.11ax HE160	50	5250	16.00	14.50	13.00	13.00	16.00

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	20.50	19.50			
	116	5580	20.00	19.50			
	120	5600	21.00	19.50			
	124	5620	20.00	19.50			
	132	5660	20.00	19.50			
	140	5700	20.50	19.50			
	144	5720	19.50	19.50			
802.11n HT20	100	5500	20.50	19.50	18.50	18.50	21.50
	116	5580	20.00	19.50	18.50	18.50	21.50
	120	5600	21.00	19.50	18.50	18.50	21.50
	124	5620	20.00	19.50	18.50	18.50	21.50
	132	5660	20.00	19.50	18.50	18.50	21.50
	140	5700	20.00	19.50	18.50	18.50	21.50
	144	5720	20.00	19.50	17.00	17.00	20.00
802.11n HT40	102	5510	19.50	17.00	17.50	17.50	20.50
	110	5550	19.50	17.00	17.50	17.50	20.50
	118	5590	21.00	19.50	19.50	19.50	22.50
	126	5630	20.50	19.50	19.50	19.50	22.50
	134	5670	20.50	19.50	19.50	19.50	22.50
	142	5710	21.00	19.50	18.00	18.00	21.00
802.11ac VHT80	106	5530	19.50	18.00	17.50	17.50	20.50
	122	5610	21.00	19.50	19.00	19.00	22.00
	138	5690	21.00	19.50	18.00	18.00	21.00
802.11ac VHT160	114	5570	16.00	16.00	14.00	14.00	17.00
802.11ax HE20	100	5500	20.00	19.50	19.00	19.00	22.00
	116	5580	20.00	19.50	18.50	18.50	21.50
	120	5600	21.00	19.50	19.00	19.00	22.00
	124	5620	20.00	19.50	18.50	18.50	21.50
	132	5660	20.00	19.50	18.50	18.50	21.50
	140	5700	20.50	19.50	19.00	19.00	22.00
	144	5720	20.50	19.50	17.50	17.50	20.50
802.11ax HE40	102	5510	19.50	18.50	17.00	17.00	20.00
	110	5550	19.50	18.50	17.00	17.00	20.00
	118	5590	21.00	19.50	19.50	19.50	22.50
	126	5630	20.50	19.50	19.50	19.50	22.50
	134	5670	20.50	19.50	19.50	19.50	22.50
	142	5710	21.00	19.50	17.50	17.50	20.50
802.11ax HE80	106	5530	19.00	18.00	17.50	17.50	20.50
	122	5610	21.00	19.50	19.00	19.00	22.00
	138	5690	21.00	19.50	18.00	18.00	21.00
802.11ax HE160	114	5570	15.50	16.00	15.00	15.00	18.00

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	19.50			
	153	5765	21.00	19.50			
	157	5785	21.00	19.50			
	161	5805	21.00	19.50			
	165	5825	21.00	19.50			
802.11n HT20	149	5745	21.00	19.50	19.50	19.50	22.50
	153	5765	21.00	19.50	19.50	19.50	22.50
	157	5785	21.00	19.50	19.50	19.50	22.50
	161	5805	21.00	19.50	19.50	19.50	22.50
	165	5825	21.00	19.50	19.50	19.50	22.50
802.11n HT40	151	5755	21.50	19.50	19.50	19.50	22.50
	159	5795	21.00	19.50	19.50	19.50	22.50
802.11ac VHT80	155	5775	20.00	18.50	18.50	18.50	21.50
802.11ax HE20	149	5745	21.00	19.50	19.50	19.50	22.50
	153	5765	21.00	19.50	19.50	19.50	22.50
	157	5785	21.00	19.50	19.50	19.50	22.50
	161	5805	20.50	19.50	19.50	19.50	22.50
	165	5825	21.00	19.50	19.50	19.50	22.50
802.11ax HE40	151	5755	21.00	19.50	19.50	19.50	22.50
	159	5795	21.00	19.50	19.50	19.50	22.50
802.11ax HE80	155	5775	20.00	18.50	18.50	18.50	21.50

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	5.00	5.00	1.50	1.50	4.50
	5	5975	5.00	5.00	1.50	1.50	4.50
	9	5995	5.00	5.00	1.50	1.50	4.50
	13	6015	5.00	5.00	1.50	1.50	4.50
	17	6035	5.00	5.00	1.50	1.50	4.50
	21	6055	5.00	5.00	1.50	1.50	4.50
	25	6075	5.00	5.00	1.50	1.50	4.50
	29	6095	5.00	5.00	1.50	1.50	4.50
	33	6115	5.00	5.00	1.50	1.50	4.50
	37	6135	5.00	5.00	1.50	1.50	4.50
	41	6155	5.00	5.00	1.50	1.50	4.50
	45	6175	5.00	5.00	1.50	1.50	4.50
	49	6195	5.00	5.00	1.50	1.50	4.50
	53	6215	5.00	5.00	1.50	1.50	4.50
	57	6235	5.00	5.00	1.50	1.50	4.50
	61	6255	5.00	5.00	1.50	1.50	4.50
	65	6275	5.00	5.00	1.50	1.50	4.50
	69	6295	5.00	5.00	1.50	1.50	4.50
	73	6315	5.00	5.00	1.50	1.50	4.50
	77	6335	5.00	5.00	1.50	1.50	4.50
	81	6355	5.00	5.00	1.50	1.50	4.50
	85	6375	5.00	5.00	1.50	1.50	4.50
	89	6395	5.00	5.00	1.50	1.50	4.50
	93	6415	5.00	5.00	1.50	1.50	4.50
802.11ax HE40	3	5965	8.00	8.00	4.50	4.50	7.50
	11	6005	8.00	8.00	4.50	4.50	7.50
	19	6045	8.00	8.00	4.50	4.50	7.50
	27	6085	8.00	8.00	4.50	4.50	7.50
	35	6125	8.00	8.00	4.50	4.50	7.50
	43	6165	8.00	8.00	4.50	4.50	7.50
	51	6205	8.00	8.00	4.50	4.50	7.50
	59	6245	8.00	8.00	4.50	4.50	7.50
	67	6285	8.00	8.00	4.50	4.50	7.50
	75	6325	8.00	8.00	4.50	4.50	7.50
	83	6365	8.00	8.00	4.50	4.50	7.50
	91	6405	8.00	8.00	4.50	4.50	7.50
802.11ax HE80	7	5985	10.50	10.50	7.00	7.00	10.00
	23	6065	10.50	10.50	7.00	7.00	10.00
	39	6145	10.50	10.50	7.00	7.00	10.00
	55	6225	10.50	10.50	7.00	7.00	10.00
	71	6305	10.50	10.50	7.00	7.00	10.00
	87	6385	10.50	10.50	7.00	7.00	10.00
802.11ax HE160	15	6025	13.50	13.50	10.50	10.50	13.50
	47	6185	13.50	13.50	10.50	10.50	13.50
	79	6345	13.50	13.50	10.50	10.50	13.50

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	5.00	5.00	2.00	2.00	5.00
	101	6455	5.00	5.00	2.00	2.00	5.00
	105	6475	5.00	5.00	2.00	2.00	5.00
	109	6495	5.00	5.00	2.00	2.00	5.00
	113	6515	5.00	5.00	2.00	2.00	5.00
	117	6535	5.00	5.00	2.00	2.00	5.00
802.11ax HE40	99	6445	8.00	8.00	5.00	5.00	8.00
	107	6485	8.00	8.00	5.00	5.00	8.00
	115	6525	8.00	8.00	5.00	5.00	8.00
802.11ax HE80	103	6465	10.50	10.50	7.50	7.50	10.50
	119	6545	10.50	10.50	7.50	7.50	10.50
802.11ax HE160	111	6505	13.50	13.50	10.50	10.50	13.50

Tune-up Power (Full)							
UNII-7							
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0 Tune up	MIMO Ant 1 Tune up	MIMO Ant 0+1 Max Tune up
802.11ax HE20	121	6555	5.00	5.00	1.50	1.50	4.50
	125	6575	5.00	5.00	1.50	1.50	4.50
	129	6595	5.00	5.00	1.50	1.50	4.50
	133	6615	5.00	5.00	1.50	1.50	4.50
	137	6635	5.00	5.00	1.50	1.50	4.50
	141	6655	5.00	5.00	1.50	1.50	4.50
	145	6675	5.00	5.00	1.50	1.50	4.50
	149	6695	5.00	5.00	1.50	1.50	4.50
	153	6715	5.00	5.00	1.50	1.50	4.50
	157	6735	5.00	5.00	1.50	1.50	4.50
	161	6755	5.00	5.00	1.50	1.50	4.50
	165	6775	5.00	5.00	1.50	1.50	4.50
	169	6795	5.00	5.00	1.50	1.50	4.50
	173	6815	5.00	5.00	1.50	1.50	4.50
	177	6835	5.00	5.00	1.50	1.50	4.50
	181	6855	5.00	5.00	1.50	1.50	4.50
	185	6875	5.00	5.00	1.50	1.50	4.50
802.11ax HE40	123	6565	8.00	8.00	5.00	5.00	8.00
	131	6605	8.00	8.00	5.00	5.00	8.00
	139	6645	8.00	8.00	5.00	5.00	8.00
	147	6685	8.00	8.00	5.00	5.00	8.00
	155	6725	8.00	8.00	5.00	5.00	8.00
	163	6765	8.00	8.00	5.00	5.00	8.00
	171	6805	8.00	8.00	5.00	5.00	8.00
	179	6845	8.00	8.00	5.00	5.00	8.00
	187	6885	8.00	8.00	5.00	5.00	8.00
802.11ax HE80	135	6625	10.00	10.50	7.00	7.00	10.00
	151	6705	10.00	10.50	7.00	7.00	10.00
	167	6785	10.00	10.50	7.00	7.00	10.00
	183	6865	10.00	10.50	7.00	7.00	10.00
802.11ax HE160	143	6665	13.50	13.50	10.50	10.50	13.50
	175	6825	13.50	13.50	10.50	10.50	13.50

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	4.50	5.00	1.50	1.50	4.50
	193	6915	4.50	5.00	1.50	1.50	4.50
	197	6935	4.50	5.00	1.50	1.50	4.50
	201	6955	4.50	5.00	1.50	1.50	4.50
	205	6975	4.50	5.00	1.50	1.50	4.50
	209	6995	4.50	5.00	1.50	1.50	4.50
	213	7015	4.50	5.00	1.50	1.50	4.50
	217	7035	4.50	5.00	1.50	1.50	4.50
	221	7055	4.50	5.00	1.50	1.50	4.50
	225	7075	4.50	5.00	1.50	1.50	4.50
	229	7095	4.50	5.00	1.50	1.50	4.50
	233	7115	1.00	1.00	-2.00	-2.00	1.00
802.11ax HE40	195	6925	8.00	8.00	5.00	5.00	8.00
	203	6965	8.00	8.00	5.00	5.00	8.00
	211	7005	8.00	8.00	5.00	5.00	8.00
	219	7045	8.00	8.00	5.00	5.00	8.00
	227	7085	8.00	8.00	5.00	5.00	8.00
802.11ax HE80	199	6945	10.50	10.50	7.50	7.50	10.50
	215	7025	10.50	10.50	7.50	7.50	10.50
802.11ax HE160	207	6985	13.50	13.50	10.50	10.50	13.50

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	20.53
	6	2437	20.99
	11	2462	20.5
	12	2467	18.44
	13	2472	15.3
802.11g	1	2412	19.07
	6	2437	20.85
	11	2462	18.37
	12	2467	15.33
	13	2472	11.66
802.11n HT20	1	2412	18.23
	6	2437	20.89
	11	2462	17.77
	12	2467	15.21
	13	2472	11.39
802.11n HT40	3	2422	16.23
	6	2437	17.22
	9	2452	15.78
	10	2457	10.65
	11	2462	10.69
802.11ax HE20	1	2412	17.67
	6	2437	20.79
	11	2462	17.38
	12	2467	15.07
	13	2472	11.66
802.11ax HE40	3	2422	15.87
	6	2437	16.6
	9	2452	15.64
	10	2457	10.85
	11	2462	10.87

Conducted Power (Full)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	20.41
	6	2437	20.47
	11	2462	20.97
	12	2467	18.77
	13	2472	15.11
802.11g	1	2412	19.04
	6	2437	20.54
	11	2462	18.55
	12	2467	15.4
	13	2472	11.88
802.11n HT20	1	2412	18.47
	6	2437	20.96
	11	2462	18.07
	12	2467	15.17
	13	2472	11.75
802.11n HT40	3	2422	16.17
	6	2437	17.19
	9	2452	15.63
	10	2457	10.69
	11	2462	10.86
802.11ax HE20	1	2412	17.74
	6	2437	20.47
	11	2462	17.57
	12	2467	15.18
	13	2472	11.57
802.11ax HE40	3	2422	15.98
	6	2437	16.56
	9	2452	15.57
	10	2457	10.81
	11	2462	10.66

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	16.03	15.85	18.95
	6	2437	20.67	20.45	23.57
	11	2462	16.92	16.73	19.84
	12	2467	11.7	11.5	14.61
	13	2472	9.52	9.4	12.47
802.11n HT40	3	2422	15.43	15.38	18.42
	6	2437	15.83	15.62	18.74
	9	2452	14.47	14.38	17.44
	10	2457	8.38	8.19	11.30
	11	2462	9.3	9.02	12.17
802.11ax HE20	1	2412	15.87	15.67	18.78
	6	2437	20.42	20.27	23.36
	11	2462	16.09	15.92	19.02
	12	2467	12.5	12.35	15.44
	13	2472	9.83	9.66	12.76
802.11ax HE40	3	2422	15.09	15	18.06
	6	2437	15.32	15.27	18.31
	9	2452	14.92	14.64	17.79
	10	2457	9.5	9.34	12.43
	11	2462	9.6	9.52	12.57

Conducted Power (Full)			
Bluetooth Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	9.51
	39	2441	9.84
	78	2480	10.05
LE	0	2402	8.10
	19	2440	8.32
	39	2480	8.78

Conducted Power (Full)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	19.65
	40	5200	20.81
	44	5220	20.72
	48	5240	20.92
802.11n HT20	36	5180	19.02
	40	5200	20.65
	44	5220	20.36
	48	5240	20.53
802.11n HT40	38	5190	18.95
	46	5230	21
802.11ac VHT80	42	5210	18.89
802.11ax HE20	36	5180	19.39
	40	5200	20.59
	44	5220	20.42
	48	5240	20.67
802.11ax HE40	38	5190	19.05
	46	5230	20.93
802.11ax HE80	42	5210	19.49

Conducted Power (Full)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	18.13
	40	5200	19.62
	44	5220	19.55
	48	5240	19.64
802.11n HT20	36	5180	17.74
	40	5200	19.51
	44	5220	19.54
	48	5240	19.66
802.11n HT40	38	5190	17.16
	46	5230	19.69
802.11ac VHT80	42	5210	16.89
802.11ax HE20	36	5180	18.53
	40	5200	19.67
	44	5220	19.64
	48	5240	19.59
802.11ax HE40	38	5190	17.12
	46	5230	18.77
802.11ax HE80	42	5210	17.46

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	16.98	17	20
	40	5200	17.92	17.93	20.94
	44	5220	17.61	17.75	20.69
	48	5240	17.7	17.83	20.78
802.11n HT40	38	5190	16.2	16.18	19.2
	46	5230	19.51	19.44	22.49
802.11ac VHT80	42	5210	16.28	16.27	19.29
802.11ax HE20	36	5180	17.58	17.74	20.67
	40	5200	18.47	18.72	21.61
	44	5220	18.4	18.48	21.45
	48	5240	18.77	18.67	21.73
802.11ax HE40	38	5190	15.35	15.21	18.29
	46	5230	18.81	18.9	21.87
802.11ax HE80	42	5210	16.21	16.29	19.26

Conducted Power (Full)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	20.93
	56	5280	20.85
	60	5300	20.13
	64	5320	20.32
802.11n HT20	52	5260	20.64
	56	5280	20.51
	60	5300	20.11
	64	5320	20.08
802.11n HT40	54	5270	20.6
	62	5310	17.86
802.11ac VHT80	58	5290	17.74
802.11ac VHT160	50	5250	16.43
802.11ax HE20	52	5260	20.7
	56	5280	19.96
	60	5300	19.94
	64	5320	20.01
802.11ax HE40	54	5270	20.64
	62	5310	17.97
802.11ax HE80	58	5290	17.75
802.11ax HE160	50	5250	15.9

Conducted Power (Full)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	19.53
	56	5280	19.59
	60	5300	18.7
	64	5320	18.78
802.11n HT20	52	5260	19.59
	56	5280	19.69
	60	5300	18.65
	64	5320	18.67
802.11n HT40	54	5270	19.7
	62	5310	16.15
802.11ac VHT80	58	5290	17.73
802.11ac VHT160	50	5250	14.61
802.11ax HE20	52	5260	19.57
	56	5280	19.59
	60	5300	18.47
	64	5320	18.52
802.11ax HE40	54	5270	19.69
	62	5310	16.89
802.11ax HE80	58	5290	17.49
802.11ax HE160	50	5250	14.43

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	18.23	18.2	21.23
	56	5280	18.15	18.1	21.14
	60	5300	17.23	17.31	20.28
	64	5320	17.28	17.39	20.35
802.11n HT40	54	5270	19.81	19.81	22.82
	62	5310	16.35	16.36	19.37
802.11ac VHT80	58	5290	16.38	16.3	19.35
802.11ac VHT160	50	5250	12.87	12.75	15.82
802.11ax HE20	52	5260	18.62	18.68	21.66
	56	5280	18.58	18.64	21.62
	60	5300	16.84	16.8	19.83
	64	5320	16.9	16.86	19.89
802.11ax HE40	54	5270	19.24	19.29	22.28
	62	5310	15.82	15.93	18.89
802.11ax HE80	58	5290	15.87	15.91	18.9
802.11ax HE160	50	5250	12.98	12.97	15.99

Conducted Power (Full)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	20.15
	116	5580	20
	120	5600	20.71
	124	5620	19.97
	132	5660	19.96
	140	5700	20.06
	144	5720	19.38
802.11n HT20	100	5500	20.17
	116	5580	19.81
	120	5600	20.81
	124	5620	19.84
	132	5660	19.82
	140	5700	19.91
	144	5720	19.81
802.11n HT40	102	5510	19.14
	110	5550	19.09
	118	5590	20.95
	126	5630	20.07
	134	5670	20.17
	142	5710	20.62
802.11ac VHT80	106	5530	19.31
	122	5610	20.74
	138	5690	20.6
802.11ac VHT160	114	5570	15.93
802.11ax HE20	100	5500	19.93
	116	5580	19.83
	120	5600	20.67
	124	5620	19.83
	132	5660	19.84
	140	5700	20.3
	144	5720	20.01
802.11ax HE40	102	5510	19.24
	110	5550	19.14
	118	5590	20.92
	126	5630	20.1
	134	5670	20.18
	142	5710	20.6
802.11ax HE80	106	5530	18.96
	122	5610	20.72
	138	5690	20.68
802.11ax HE160	114	5570	15.44

Conducted Power (Full)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	19.38
	116	5580	19.38
	120	5600	19.31
	124	5620	19.3
	132	5660	19.36
	140	5700	19.34
	144	5720	19.4
802.11n HT20	100	5500	19.35
	116	5580	19.33
	120	5600	19.39
	124	5620	19.34
	132	5660	19.31
	140	5700	19.34
	144	5720	19.36
802.11n HT40	102	5510	16.78
	110	5550	16.69
	118	5590	19.34
	126	5630	19.37
	134	5670	19.33
	142	5710	19.37
802.11ac VHT80	106	5530	17.91
	122	5610	19.33
	138	5690	19.48
802.11ac VHT160	114	5570	15.67
802.11ax HE20	100	5500	19.35
	116	5580	19.32
	120	5600	19.38
	124	5620	19.3
	132	5660	19.32
	140	5700	19.36
	144	5720	19.31
802.11ax HE40	102	5510	18.3
	110	5550	18.3
	118	5590	19.34
	126	5630	19.37
	134	5670	19.32
	142	5710	19.37
802.11ax HE80	106	5530	17.82
	122	5610	19.31
	138	5690	19.39
802.11ax HE160	114	5570	15.78

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	18.31	18.49	21.41
	116	5580	18.22	18.4	21.32
	120	5600	18.43	18.37	21.41
	124	5620	18.25	18.41	21.34
	132	5660	18.21	18.44	21.34
	140	5700	18.48	18.5	21.5
	144	5720	16.88	16.91	19.91
802.11n HT40	102	5510	17.39	17.37	20.39
	110	5550	17.29	17.17	20.24
	118	5590	19.39	19.44	22.43
	126	5630	19.24	19.39	22.33
	134	5670	19.38	19.41	22.41
	142	5710	17.62	17.61	20.63
802.11ac VHT80	106	5530	17.23	17.18	20.22
	122	5610	18.94	18.87	21.92
	138	5690	17.67	17.65	20.67
802.11ac VHT160	114	5570	13.87	13.9	16.9
802.11ax HE20	100	5500	18.62	18.8	21.72
	116	5580	18.39	18.52	21.47
	120	5600	18.73	18.68	21.72
	124	5620	18.34	18.5	21.43
	132	5660	18.38	18.5	21.45
	140	5700	18.46	18.6	21.54
	144	5720	16.96	17.07	20.03
802.11ax HE40	102	5510	16.83	16.96	19.91
	110	5550	16.71	16.9	19.82
	118	5590	19.26	19.27	22.28
	126	5630	19.28	19.34	22.32
	134	5670	19.37	19.3	22.35
	142	5710	17.31	17.38	20.36
802.11ax HE80	106	5530	17.06	17.05	20.07
	122	5610	18.73	18.69	21.72
	138	5690	17.62	17.6	20.62
802.11ax HE160	114	5570	14.94	14.9	17.93

Conducted Power (Full)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	20.8
	153	5765	20.65
	157	5785	20.7
	161	5805	20.56
	165	5825	20.87
802.11n HT20	149	5745	20.86
	153	5765	20.56
	157	5785	20.86
	161	5805	20.56
	165	5825	20.73
802.11n HT40	151	5755	21.07
	159	5795	20.89
802.11ac VHT80	155	5775	19.94
802.11ax HE20	149	5745	20.74
	153	5765	20.56
	157	5785	20.87
	161	5805	20.48
	165	5825	20.68
802.11ax HE40	151	5755	20.66
	159	5795	20.77
802.11ax HE80	155	5775	19.62

Conducted Power (Full)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	19.37
	153	5765	19.4
	157	5785	19.32
	161	5805	19.31
	165	5825	19.3
802.11n HT20	149	5745	19.33
	153	5765	19.4
	157	5785	19.33
	161	5805	19.35
	165	5825	19.3
802.11n HT40	151	5755	19.49
	159	5795	19.44
802.11ac VHT80	155	5775	18.37
802.11ax HE20	149	5745	19.37
	153	5765	19.32
	157	5785	19.31
	161	5805	19.38
	165	5825	19.34
802.11ax HE40	151	5755	19.35
	159	5795	19.34
802.11ax HE80	155	5775	18.39

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	19.47	19.41	22.45
	153	5765	19.31	19.3	22.32
	157	5785	19.44	19.45	22.46
	161	5805	19.31	19.35	22.34
	165	5825	19.43	19.43	22.44
802.11n HT40	151	5755	18.92	18.98	21.96
	159	5795	19.44	19.48	22.47
802.11ac VHT80	155	5775	18.14	18.22	21.19
802.11ax HE20	149	5745	19.42	19.47	22.46
	153	5765	19.31	19.31	22.32
	157	5785	19.48	19.38	22.44
	161	5805	19.39	19.33	22.37
	165	5825	19.41	19.43	22.43
802.11ax HE40	151	5755	18.71	18.75	21.74
	159	5795	19.38	19.42	22.41
802.11ax HE80	155	5775	18.21	18.2	21.22

Conducted Power (Full)			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	1	5955	4.52
	5	5975	4.24
	9	5995	4.33
	13	6015	4.2
	17	6035	4.28
	21	6055	4.32
	25	6075	4.41
	29	6095	4.37
	33	6115	4.45
	37	6135	4.21
	41	6155	4.21
	45	6175	4.03
	49	6195	4.42
	53	6215	4.38
	57	6235	4.38
	61	6255	4.29
	65	6275	4.27
	69	6295	4.34
	73	6315	4.22
	77	6335	4.25
	81	6355	4.46
	85	6375	4.48
	89	6395	4.49
	93	6415	4.08
802.11ax HE40	3	5965	7.13
	11	6005	7.47
	19	6045	7.27
	27	6085	7.2
	35	6125	7.25
	43	6165	7.16
	51	6205	7.22
	59	6245	7.44
	67	6285	7.49
	75	6325	7.31
	83	6365	7.43
	91	6405	7.56
802.11ax HE80	7	5985	9.97
	23	6065	9.79
	39	6145	10.02
	55	6225	9.8
	71	6305	9.88
	87	6385	9.79
802.11ax HE160	15	6025	12.85
	47	6185	12.71
	79	6345	12.64

Conducted Power (Full)			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	1	5955	4.42
	5	5975	4.38
	9	5995	4.33
	13	6015	4.35
	17	6035	4.27
	21	6055	4.32
	25	6075	4.37
	29	6095	4.37
	33	6115	4.24
	37	6135	4.2
	41	6155	4.39
	45	6175	4.51
	49	6195	4.22
	53	6215	4.35
	57	6235	4.41
	61	6255	4.39
	65	6275	4.39
	69	6295	4.41
	73	6315	4.35
	77	6335	4.32
	81	6355	4.3
	85	6375	4.4
	89	6395	4.36
	93	6415	4.44
802.11ax HE40	3	5965	7.92
	11	6005	7.24
	19	6045	7.28
	27	6085	7.43
	35	6125	7.37
	43	6165	7.66
	51	6205	7.22
	59	6245	7.23
	67	6285	7.42
	75	6325	7.22
	83	6365	7.24
	91	6405	7.77
802.11ax HE80	7	5985	10.03
	23	6065	9.7
	39	6145	10.12
	55	6225	9.92
	71	6305	9.83
	87	6385	9.89
802.11ax HE160	15	6025	12.68
	47	6185	12.43
	79	6345	12.34

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	1.03	1	4.03
	5	5975	0.95	0.71	3.84
	9	5995	0.7	0.99	3.86
	13	6015	0.74	0.73	3.75
	17	6035	0.95	0.94	3.96
	21	6055	0.81	0.95	3.89
	25	6075	0.76	0.81	3.8
	29	6095	0.77	0.84	3.82
	33	6115	0.76	0.96	3.87
	37	6135	0.82	0.99	3.92
	41	6155	0.87	0.88	3.89
	45	6175	1.12	1.09	4.12
	49	6195	0.92	0.79	3.87
	53	6215	0.87	0.8	3.85
	57	6235	0.7	0.9	3.81
	61	6255	0.92	0.94	3.94
	65	6275	0.88	0.99	3.95
	69	6295	0.94	0.93	3.95
	73	6315	0.83	0.95	3.9
	77	6335	0.88	0.77	3.84
	81	6355	0.76	0.75	3.77
	85	6375	0.97	0.74	3.87
	89	6395	0.8	0.86	3.84
	93	6415	0.79	0.78	3.8
802.11ax HE40	3	5965	3.93	3.93	6.94
	11	6005	3.92	3.92	6.93
	19	6045	3.84	3.94	6.9
	27	6085	3.91	3.84	6.89
	35	6125	3.93	3.78	6.87
	43	6165	3.85	3.75	6.81
	51	6205	4	3.93	6.98
	59	6245	3.98	3.82	6.91
	67	6285	3.98	3.71	6.86
	75	6325	3.89	3.7	6.81
	83	6365	3.97	3.89	6.94
	91	6405	4.04	4.24	7.15
802.11ax HE80	7	5985	6.99	6.86	9.94
	23	6065	6.46	6.28	9.38
	39	6145	6.69	6.7	9.71
	55	6225	6.24	6.49	9.38
	71	6305	6.21	6.46	9.35
	87	6385	6.78	6.67	9.74
802.11ax HE160	15	6025	9.56	9.69	12.64
	47	6185	9.61	9.75	12.69
	79	6345	9.67	9.8	12.75

Conducted Power (Full)			
UNII-6 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	97	6435	4.79
	101	6455	4.43
	105	6475	4.94
	109	6495	4.35
	113	6515	4.74
	117	6535	4.09
802.11ax HE40	99	6445	7.77
	107	6485	7.88
	115	6525	7.82
802.11ax HE80	103	6465	10.37
	119	6545	10.35
802.11ax HE160	111	6505	12.97

Conducted Power (Full)			
UNII-6 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	97	6435	4.83
	101	6455	4.25
	105	6475	4.65
	109	6495	4.28
	113	6515	4.56
	117	6535	4.43
802.11ax HE40	99	6445	7.95
	107	6485	7.73
	115	6525	7.68
802.11ax HE80	103	6465	10.29
	119	6545	10.26
802.11ax HE160	111	6505	12.92

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	2.01	1.94	4.99
	101	6455	1.33	1.49	4.42
	105	6475	1.75	1.69	4.73
	109	6495	1.23	1.28	4.27
	113	6515	1.97	1.89	4.94
	117	6535	1.21	1.25	4.24
802.11ax HE40	99	6445	4.74	4.59	7.68
	107	6485	4.9	4.74	7.83
	115	6525	5.01	4.97	8
802.11ax HE80	103	6465	7.23	7.27	10.26
	119	6545	7.11	7.19	10.16
802.11ax HE160	111	6505	10.03	10	13.03

Conducted Power (Full)			
UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	121	6555	4.47
	125	6575	4.37
	129	6595	4.42
	133	6615	4.44
	137	6635	4.47
	141	6655	4.3
	145	6675	4.29
	149	6695	4.58
	153	6715	4.35
	157	6735	4.27
	161	6755	4.42
	165	6775	4.41
	169	6795	4.43
	173	6815	4.27
	177	6835	4.44
	181	6855	3.95
	185	6875	4.38
802.11ax HE40	123	6565	7.77
	131	6605	7.39
	139	6645	7.31
	147	6685	7.46
	155	6725	7.38
	163	6765	7.25
	171	6805	7.29
	179	6845	7.3
	187	6885	7.44
802.11ax HE80	135	6625	10
	151	6705	9.83
	167	6785	9.68
	183	6865	9.96
802.11ax HE160	143	6665	12.37
	175	6825	12.69

Conducted Power (Full)			
UNII-7 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	121	6555	4.47
	125	6575	4.45
	129	6595	4.2
	133	6615	4.4
	137	6635	4.31
	141	6655	4.46
	145	6675	4.24
	149	6695	4.21
	153	6715	4.35
	157	6735	4.5
	161	6755	4.26
	165	6775	4.26
	169	6795	4.47
	173	6815	4.36
	177	6835	4.38
	181	6855	4.97
	185	6875	4.96
802.11ax HE40	123	6565	7.55
	131	6605	7.49
	139	6645	7.31
	147	6685	7.56
	155	6725	7.52
	163	6765	7.49
	171	6805	7.33
	179	6845	7.48
	187	6885	7.68
802.11ax HE80	135	6625	9.71
	151	6705	9.77
	167	6785	9.84
	183	6865	10.05
802.11ax HE160	143	6665	12.5
	175	6825	12.68

Conducted Power (Full)					
UNII-7 Ant 0+1					
Mode	Channel	Frequency	MIMO Ant 0 Avg. Power	MIMO Ant 1 Avg. Power	MIMO Ant 0+1 Avg. Power
802.11ax HE20	121	6555	0.95	1	3.99
	125	6575	0.77	0.98	3.89
	129	6595	0.7	0.81	3.77
	133	6615	0.97	0.79	3.89
	137	6635	0.92	0.91	3.93
	141	6655	0.87	0.78	3.84
	145	6675	0.78	0.71	3.76
	149	6695	0.99	0.88	3.95
	153	6715	0.78	0.98	3.89
	157	6735	0.96	0.99	3.99
	161	6755	0.74	0.83	3.8
	165	6775	0.76	0.77	3.78
	169	6795	1	0.74	3.88
	173	6815	0.78	0.9	3.85
	177	6835	0.73	0.87	3.81
	181	6855	1.15	1.06	4.12
	185	6875	1.08	1.21	4.16
802.11ax HE40	123	6565	4.98	4.93	7.97
	131	6605	4.49	4.23	7.37
	139	6645	4.2	4.35	7.29
	147	6685	3.95	3.87	6.92
	155	6725	3.9	3.84	6.88
	163	6765	4.39	4.34	7.38
	171	6805	4.45	4.34	7.41
	179	6845	3.93	3.89	6.92
	187	6885	4.47	4.56	7.53
802.11ax HE80	135	6625	6.82	6.91	9.88
	151	6705	6.77	6.85	9.82
	167	6785	6.69	6.71	9.71
	183	6865	6.87	6.75	9.82
802.11ax HE160	143	6665	9.59	9.75	12.68
	175	6825	9.64	9.66	12.66

Conducted Power (Full)			
UNII-8 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11ax HE20	189	6895	4.11
	193	6915	4.2
	197	6935	4.2
	201	6955	4.15
	205	6975	4.13
	209	6995	4.4
	213	7015	4.16
	217	7035	4.2
	221	7055	4.15
	225	7075	4.16
	229	7095	4.27
	233	7115	0.21
802.11ax HE40	195	6925	7.21
	203	6965	7.37
	211	7005	7.51
	219	7045	7.24
	227	7085	7.59
802.11ax HE80	199	6945	10.42
	215	7025	9.83
802.11ax HE160	207	6985	12.8

Conducted Power (Full)			
UNII-8 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11ax HE20	189	6895	4.48
	193	6915	4.49
	197	6935	4.47
	201	6955	4.47
	205	6975	4.44
	209	6995	4.95
	213	7015	4.32
	217	7035	4.48
	221	7055	4.37
	225	7075	4.25
	229	7095	4.87
	233	7115	0.6
802.11ax HE40	195	6925	7.23
	203	6965	7.46
	211	7005	7.72
	219	7045	7.22
	227	7085	7.99
802.11ax HE80	199	6945	10.43
	215	7025	10.31
802.11ax HE160	207	6985	12.8

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	0.85	0.89	3.88
	193	6915	0.78	0.87	3.84
	197	6935	1	0.95	3.99
	201	6955	0.81	0.86	3.85
	205	6975	0.91	0.98	3.96
	209	6995	1.35	1.3	4.34
	213	7015	0.73	0.73	3.74
	217	7035	0.73	0.94	3.85
	221	7055	0.74	0.79	3.78
	225	7075	0.75	0.75	3.76
	229	7095	0.94	1.04	4
	233	7115	-2.25	-2.33	0.72
802.11ax HE40	195	6925	4.33	4.49	7.42
	203	6965	4.31	4.43	7.38
	211	7005	4.61	4.53	7.58
	219	7045	4.2	4.5	7.36
	227	7085	4.75	4.57	7.67
802.11ax HE80	199	6945	7.3	7.24	10.28
	215	7025	7.07	7.1	10.1
802.11ax HE160	207	6985	9.79	9.64	12.73

Appendix F. SAR and APD / Incident Power Density Test Result

SAR Results for Body Exposure Condition.

Note:
1. SAR testing for WLAN was performed on the maximum power mode.
2. The “< 0.001” means there is no SAR value or the SAR is too low to be measured.
3. Per Apr. 2021 TCB Workshop U-NII 6-7G interim procedures, the incident power density were performed with the highest SAR configuration on U-NII 6-7G bands 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	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN2.4G	802.11b	Bottom for Laptop	0	6	Ant 0	98.00	1.02	21.00	20.99	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Bottom for Laptop	0	11	Ant 1	96.70	1.03	21.00	20.97	1.01	0	<0.001	0.00
	WLAN2.4G	802.11n HT20	Bottom for Laptop	0	6	Ant 0+1	99.60	1.00	24.00	23.57	1.10	0	<0.001	0.00
	WLAN2.4G	802.11b	Rear Face	0	6	Ant 0	98.00	1.02	21.00	20.99	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Left Side	0	6	Ant 0	98.00	1.02	21.00	20.99	1.00	-0.1	0.507	0.52
	WLAN2.4G	802.11b	Right Side	0	6	Ant 0	98.00	1.02	21.00	20.99	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Top Side	0	6	Ant 0	98.00	1.02	21.00	20.99	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Bottom Side	0	6	Ant 0	98.00	1.02	21.00	20.99	1.00	0	<0.001	0.00
	WLAN2.4G	802.11b	Rear Face	0	11	Ant 1	96.70	1.03	21.00	20.97	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Left Side	0	11	Ant 1	96.70	1.03	21.00	20.97	1.01	0	<0.001	0.00
	WLAN2.4G	802.11b	Right Side	0	11	Ant 1	96.70	1.03	21.00	20.97	1.01	0.08	0.566	0.59
	WLAN2.4G	802.11b	Top Side	0	11	Ant 1	96.70	1.03	21.00	20.97	1.01	0.1	0.062	0.06
	WLAN2.4G	802.11b	Bottom Side	0	11	Ant 1	96.70	1.03	21.00	20.97	1.01	0	<0.001	0.00
	WLAN2.4G	802.11n HT20	Rear Face	0	6	Ant 0+1	99.60	1.00	24.00	23.57	1.10	0	<0.001	0.00
	WLAN2.4G	802.11n HT20	Left Side	0	6	Ant 0+1	99.60	1.00	24.00	23.57	1.10	-0.15	0.231	0.25
	WLAN2.4G	802.11n HT20	Right Side	0	6	Ant 0+1	99.60	1.00	24.00	23.57	1.10	0.02	0.32	0.35
	WLAN2.4G	802.11n HT20	Top Side	0	6	Ant 0+1	99.60	1.00	24.00	23.57	1.10	-0.06	0.047	0.05
	WLAN2.4G	802.11n HT20	Bottom Side	0	6	Ant 0+1	99.60	1.00	24.00	23.57	1.10	0	<0.001	0.00
	WLAN2.4G	802.11b	Right Side	0	1	Ant 1	96.70	1.03	21.00	20.41	1.15	0.02	0.546	0.65
1	WLAN2.4G	802.11b	Right Side	0	6	Ant 1	96.70	1.03	21.00	20.47	1.13	-0.01	0.614	0.71
	WLAN2.4G	802.11b	Right Side	0	12	Ant 1	96.70	1.03	19.00	18.77	1.05	0.11	0.257	0.28
	WLAN2.4G	802.11b	Right Side	0	13	Ant 1	96.70	1.03	15.50	15.11	1.09	0.06	0.113	0.13

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)
	WLAN5.3G	802.11n HT40	Bottom for Laptop	0	54	Ant 0	98.50	1.02	21.00	20.60	1.10	0.12	0.124	0.14
	WLAN5.3G	802.11n HT40	Bottom for Laptop	0	54	Ant 1	98.00	1.02	20.00	19.70	1.07	0.01	0.142	0.15
	WLAN5.3G	802.11n HT40	Bottom for Laptop	0	54	Ant 0+1	98.50	1.02	23.00	22.82	1.04	-0.01	0.081	0.09
	WLAN5.3G	802.11n HT40	Rear Face	0	54	Ant 0	98.50	1.02	21.00	20.60	1.10	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Left Side	0	54	Ant 0	98.50	1.02	21.00	20.60	1.10	0.01	0.702	0.79
	WLAN5.3G	802.11n HT40	Right Side	0	54	Ant 0	98.50	1.02	21.00	20.60	1.10	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Top Side	0	54	Ant 0	98.50	1.02	21.00	20.60	1.10	0.03	0.074	0.08
	WLAN5.3G	802.11n HT40	Bottom Side	0	54	Ant 0	98.50	1.02	21.00	20.60	1.10	-0.08	0.106	0.12
	WLAN5.3G	802.11n HT40	Rear Face	0	54	Ant 1	98.00	1.02	20.00	19.70	1.07	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Left Side	0	54	Ant 1	98.00	1.02	20.00	19.70	1.07	0	<0.001	0.00
2	WLAN5.3G	802.11n HT40	Right Side	0	54	Ant 1	98.00	1.02	20.00	19.70	1.07	0.03	1.08	1.18
	WLAN5.3G	802.11n HT40	Top Side	0	54	Ant 1	98.00	1.02	20.00	19.70	1.07	-0.15	0.067	0.07
	WLAN5.3G	802.11n HT40	Bottom Side	0	54	Ant 1	98.00	1.02	20.00	19.70	1.07	0.14	0.113	0.12
	WLAN5.3G	802.11n HT40	Rear Face	0	54	Ant 0+1	98.50	1.02	23.00	22.82	1.04	0	<0.001	0.00
	WLAN5.3G	802.11n HT40	Left Side	0	54	Ant 0+1	98.50	1.02	23.00	22.82	1.04	0.04	0.502	0.53
	WLAN5.3G	802.11n HT40	Right Side	0	54	Ant 0+1	98.50	1.02	23.00	22.82	1.04	-0.03	0.793	0.84
	WLAN5.3G	802.11n HT40	Top Side	0	54	Ant 0+1	98.50	1.02	23.00	22.82	1.04	-0.01	0.041	0.04
	WLAN5.3G	802.11n HT40	Bottom Side	0	54	Ant 0+1	98.50	1.02	23.00	22.82	1.04	0.17	0.04	0.04
	WLAN5.3G	802.11n HT40	Right Side	0	62	Ant 1	98.00	1.02	16.50	16.15	1.08	0.04	0.581	0.64
	WLAN5.3G	802.11n HT40	Right Side	0	62	Ant 0+1	98.50	1.02	19.50	19.37	1.03	-0.03	0.486	0.51
	WLAN5.3G	802.11n HT40	Right Side	0	54	Ant 1	98.00	1.02	20.00	19.70	1.07	0.01	1.07	1.17

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)
	WLAN5.6G	802.11ac VHT80	Bottom for Laptop	0	122	Ant 0	97.80	1.02	21.00	20.74	1.06	-0.18	0.212	0.23
	WLAN5.6G	802.11ac VHT80	Bottom for Laptop	0	138	Ant 1	98.00	1.02	19.50	19.48	1.00	0.18	0.308	0.31
	WLAN5.6G	802.11n HT40	Bottom for Laptop	0	118	Ant 0+1	98.50	1.02	22.50	22.43	1.02	-0.15	0.188	0.20
	WLAN5.6G	802.11ac VHT80	Rear Face	0	122	Ant 0	97.80	1.02	21.00	20.74	1.06	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Left Side	0	122	Ant 0	97.80	1.02	21.00	20.74	1.06	0.03	0.595	0.64
	WLAN5.6G	802.11ac VHT80	Right Side	0	122	Ant 0	97.80	1.02	21.00	20.74	1.06	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Top Side	0	122	Ant 0	97.80	1.02	21.00	20.74	1.06	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Bottom Side	0	122	Ant 0	97.80	1.02	21.00	20.74	1.06	-0.07	0.088	0.10
	WLAN5.6G	802.11ac VHT80	Rear Face	0	138	Ant 1	98.00	1.02	19.50	19.48	1.00	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Left Side	0	138	Ant 1	98.00	1.02	19.50	19.48	1.00	0	<0.001	0.00
3	WLAN5.6G	802.11ac VHT80	Right Side	0	138	Ant 1	98.00	1.02	19.50	19.48	1.00	0.01	1.15	1.17
	WLAN5.6G	802.11ac VHT80	Top Side	0	138	Ant 1	98.00	1.02	19.50	19.48	1.00	0	<0.001	0.00
	WLAN5.6G	802.11ac VHT80	Bottom Side	0	138	Ant 1	98.00	1.02	19.50	19.48	1.00	-0.17	0.177	0.18
	WLAN5.6G	802.11n HT40	Rear Face	0	118	Ant 0+1	98.50	1.02	22.50	22.43	1.02	0	<0.001	0.00
	WLAN5.6G	802.11n HT40	Left Side	0	118	Ant 0+1	98.50	1.02	22.50	22.43	1.02	-0.01	0.411	0.43
	WLAN5.6G	802.11n HT40	Right Side	0	118	Ant 0+1	98.50	1.02	22.50	22.43	1.02	-0.09	0.827	0.86
	WLAN5.6G	802.11n HT40	Top Side	0	118	Ant 0+1	98.50	1.02	22.50	22.43	1.02	0	<0.001	0.00
	WLAN5.6G	802.11n HT40	Bottom Side	0	118	Ant 0+1	98.50	1.02	22.50	22.43	1.02	0.17	0.154	0.16
	WLAN5.6G	802.11ac VHT80	Right Side	0	106	Ant 1	98.00	1.02	18.00	17.91	1.02	-0.19	0.589	0.61
	WLAN5.6G	802.11ac VHT80	Right Side	0	122	Ant 1	98.00	1.02	19.50	19.33	1.04	-0.06	1.06	1.12
	WLAN5.6G	802.11n HT40	Right Side	0	102	Ant 0+1	98.50	1.02	20.50	20.39	1.03	-0.09	0.787	0.83
	WLAN5.6G	802.11n HT40	Right Side	0	110	Ant 0+1	98.50	1.02	20.50	20.24	1.06	0.05	0.754	0.82
	WLAN5.6G	802.11n HT40	Right Side	0	126	Ant 0+1	98.50	1.02	22.50	22.33	1.04	0.08	0.766	0.81
	WLAN5.6G	802.11n HT40	Right Side	0	134	Ant 0+1	98.50	1.02	22.50	22.41	1.02	-0.01	0.812	0.84
	WLAN5.6G	802.11n HT40	Right Side	0	142	Ant 0+1	98.50	1.02	21.00	20.63	1.09	-0.03	0.584	0.65
	WLAN5.6G	802.11ac VHT80	Right Side	0	138	Ant 1	98.00	1.02	19.50	19.48	1.00	-0.16	1.14	1.16

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)
	WLAN5.8G	802.11n HT40	Bottom for Laptop	0	151	Ant 0	97.50	1.03	21.50	21.07	1.10	0.02	0.229	0.26
	WLAN5.8G	802.11n HT40	Bottom for Laptop	0	151	Ant 1	98.00	1.02	19.50	19.49	1.00	0.08	0.312	0.32
	WLAN5.8G	802.11n HT40	Bottom for Laptop	0	159	Ant 0+1	98.50	1.02	22.50	22.47	1.01	0.01	0.115	0.12
	WLAN5.8G	802.11n HT40	Rear Face	0	151	Ant 0	97.50	1.03	21.50	21.07	1.10	0	<0.001	0.00
	WLAN5.8G	802.11n HT40	Left Side	0	151	Ant 0	97.50	1.03	21.50	21.07	1.10	0.04	0.561	0.64
	WLAN5.8G	802.11n HT40	Right Side	0	151	Ant 0	97.50	1.03	21.50	21.07	1.10	0	<0.001	0.00
	WLAN5.8G	802.11n HT40	Top Side	0	151	Ant 0	97.50	1.03	21.50	21.07	1.10	0	<0.001	0.00
	WLAN5.8G	802.11n HT40	Bottom Side	0	151	Ant 0	97.50	1.03	21.50	21.07	1.10	-0.02	0.075	0.08
	WLAN5.8G	802.11n HT40	Rear Face	0	151	Ant 1	98.00	1.02	19.50	19.49	1.00	0	<0.001	0.00
	WLAN5.8G	802.11n HT40	Left Side	0	151	Ant 1	98.00	1.02	19.50	19.49	1.00	0	<0.001	0.00
4	WLAN5.8G	802.11n HT40	Right Side	0	151	Ant 1	98.00	1.02	19.50	19.49	1.00	-0.02	1.09	1.11
	WLAN5.8G	802.11n HT40	Top Side	0	151	Ant 1	98.00	1.02	19.50	19.49	1.00	0	<0.001	0.00
	WLAN5.8G	802.11n HT40	Bottom Side	0	151	Ant 1	98.00	1.02	19.50	19.49	1.00	-0.16	0.19	0.19
	WLAN5.8G	802.11n HT40	Rear Face	0	159	Ant 0+1	98.50	1.02	22.50	22.47	1.01	0	<0.001	0.00
	WLAN5.8G	802.11n HT40	Left Side	0	159	Ant 0+1	98.50	1.02	22.50	22.47	1.01	0.17	0.189	0.19
	WLAN5.8G	802.11n HT40	Right Side	0	159	Ant 0+1	98.50	1.02	22.50	22.47	1.01	0.11	0.892	0.92
	WLAN5.8G	802.11n HT40	Top Side	0	159	Ant 0+1	98.50	1.02	22.50	22.47	1.01	0	<0.001	0.00
	WLAN5.8G	802.11n HT40	Bottom Side	0	159	Ant 0+1	98.50	1.02	22.50	22.47	1.01	0.01	0.067	0.07
	WLAN5.8G	802.11n HT40	Right Side	0	159	Ant 1	98.00	1.02	19.50	19.44	1.01	-0.18	1.04	1.07
	WLAN5.8G	802.11n HT40	Right Side	0	151	Ant 0+1	98.50	1.02	22.50	21.96	1.13	0.05	0.756	0.87
	WLAN5.8G	802.11n HT40	Right Side	0	151	Ant 1	98.00	1.02	19.50	19.49	1.00	-0.08	1.08	1.10
	BT	BDR	Bottom for Laptop	0	78	Ant 1	76.86	1.30	10.50	10.05	1.11	0	<0.001	0.00
	BT	BDR	Rear Face	0	78	Ant 1	76.86	1.30	10.50	10.05	1.11	0	<0.001	0.00
	BT	BDR	Left Side	0	78	Ant 1	76.86	1.30	10.50	10.05	1.11	0	<0.001	0.00
	BT	BDR	Right Side	0	78	Ant 1	76.86	1.30	10.50	10.05	1.11	0.18	0.045	0.06
	BT	BDR	Top Side	0	78	Ant 1	76.86	1.30	10.50	10.05	1.11	0	<0.001	0.00
	BT	BDR	Bottom Side	0	78	Ant 1	76.86	1.30	10.50	10.05	1.11	0	<0.001	0.00
5	BT	BDR	Right Side	0	0	Ant 1	76.86	1.30	10.50	9.51	1.26	0.03	0.049	0.08
	BT	BDR	Right Side	0	39	Ant 1	76.86	1.30	10.50	9.84	1.16	0.19	0.039	0.06

SAR and Power Density Test Result

System & Position						DUT Configuration	SAR										Power Density								
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)	Grid Step [λ]	iPD [W/m2]	Scaling Factor for Measurement Uncertainty	Averaging Area [cm2]	Power Drift [dB]	Normal psPD [W/m2]	Scaled Normal psPD [W/m2]	Total psPD [W/m2]	Scaled Total psPD [W/m2]
	UNII-5	802.11ax HE160	Bottom for Laptop	0	15	Ant 0	97.80	1.02	13.50	12.85	1.16	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Bottom for Laptop	0	15	Ant 1	97.30	1.03	13.50	12.68	1.21	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Bottom for Laptop	0	79	Ant 0+1	97.60	1.02	13.50	12.75	1.19	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Rear Face	0	15	Ant 0	97.80	1.02	13.50	12.85	1.16	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Left Side	0	15	Ant 0	97.80	1.02	13.50	12.85	1.16	-0.15	0.082	0.10	0.613	0.73									
	UNII-5	802.11ax HE160	Right Side	0	15	Ant 0	97.80	1.02	13.50	12.85	1.16	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Top Side	0	15	Ant 0	97.80	1.02	13.50	12.85	1.16	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Bottom Side	0	15	Ant 0	97.80	1.02	13.50	12.85	1.16	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Rear Face	0	15	Ant 1	97.30	1.03	13.50	12.68	1.21	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Left Side	0	15	Ant 1	97.30	1.03	13.50	12.68	1.21	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Right Side	0	15	Ant 1	97.30	1.03	13.50	12.68	1.21	-0.07	0.203	0.25	1.51	1.88	0.0502	23.50	1.545	4.00	0.08	1.37	2.18	2.35	4.53
	UNII-5	802.11ax HE160	Top Side	0	15	Ant 1	97.30	1.03	13.50	12.68	1.21	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Bottom Side	0	15	Ant 1	97.30	1.03	13.50	12.68	1.21	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Rear Face	0	79	Ant 0+1	97.60	1.02	13.50	12.75	1.19	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Left Side	0	79	Ant 0+1	97.60	1.02	13.50	12.75	1.19	0.08	0.06	0.07	0.45	0.55									
	UNII-5	802.11ax HE160	Right Side	0	79	Ant 0+1	97.60	1.02	13.50	12.75	1.19	-0.05	0.09	0.11	0.672	0.82									
	UNII-5	802.11ax HE160	Top Side	0	79	Ant 0+1	97.60	1.02	13.50	12.75	1.19	0	<0.001	0.00	0	0									
	UNII-5	802.11ax HE160	Bottom Side	0	79	Ant 0+1	97.60	1.02	13.50	12.75	1.19	0	<0.001	0.00	0	0									
6	UNII-5	802.11ax HE160	Right Side	0	47	Ant 1	97.30	1.03	13.50	12.43	1.28	-0.13	0.239	0.32	1.78	2.35	0.0515	27.90	1.545	4.00	0.03	1.62	2.58	2.78	5.66
	UNII-5	802.11ax HE160	Right Side	0	79	Ant 1	97.30	1.03	13.50	12.34	1.31	0.06	0.213	0.29	1.58	2.13	0.0529	24.73	1.545	4.00	-0.13	1.42	2.26	2.46	5.13
	UNII-6	802.11ax HE160	Right Side	0	111	Ant 1	97.30	1.03	13.50	12.92	1.14	-0.03	0.23	0.27	1.71	2.01	0.0542	26.81	1.545	4.00	0.05	1.55	2.47	2.67	4.84
	UNII-7	802.11ax HE160	Right Side	0	143	Ant 1	97.30	1.03	13.50	12.50	1.26	0.17	0.15	0.19	1.12	1.45	0.0555	17.55	1.545	4.00	-0.06	1.01	1.61	1.74	3.49
	UNII-7	802.11ax HE160	Right Side	0	175	Ant 1	97.30	1.03	13.50	12.68	1.21	-0.15	0.121	0.15	0.908	1.13									
	UNII-8	802.11ax HE160	Right Side	0	207	Ant 1	97.30	1.03	13.50	12.80	1.17	-0.17	0.12	0.14	0.901	1.09									