

Plots of System Verification

Appendix A. Plots of System Verification

The plots for system verification are shown as follows.

Plots of System Verification

Measurement Report
S01 System Check_H2450_241016
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
D2450V2,	10.0 x 10.0 x 290.0		

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	,		CW, 0--	2450.000, 0	7.26	1.80	39.0

Hardware Setup

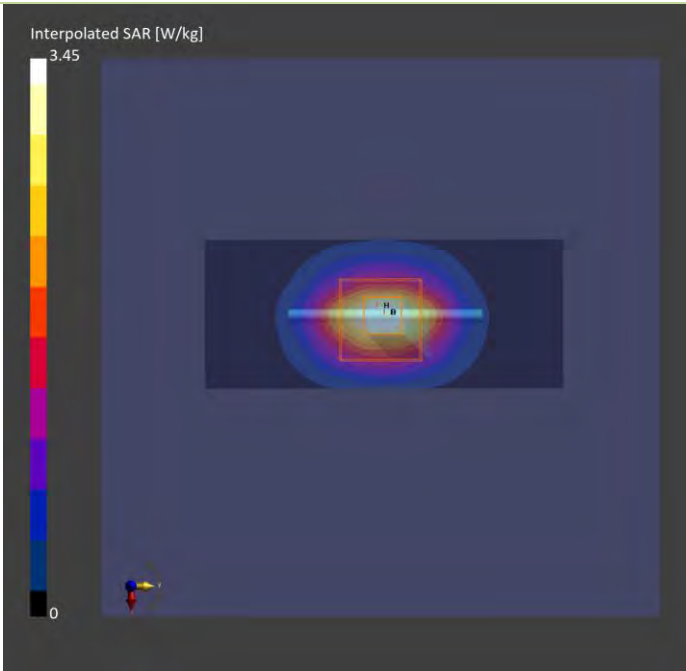
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H19T27N9 , 2024-10-16	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

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	2024-10-16	2024-10-16
psSAR1g [W/kg]	2.63	2.55
psSAR10g [W/kg]	1.28	1.24
Power Drift [dB]	-0.01	-0.08
M2/M1 [%]		79.8
Dist 3dB Peak [mm]		9.1



Plots of System Verification

Measurement Report
S02 System Check_H5250_240911
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
D5GHzV2,	10.0 x 10.0 x 300.0		

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	,		CW, 0--	5250.000, 0	4.90	4.50	34.8

Hardware Setup

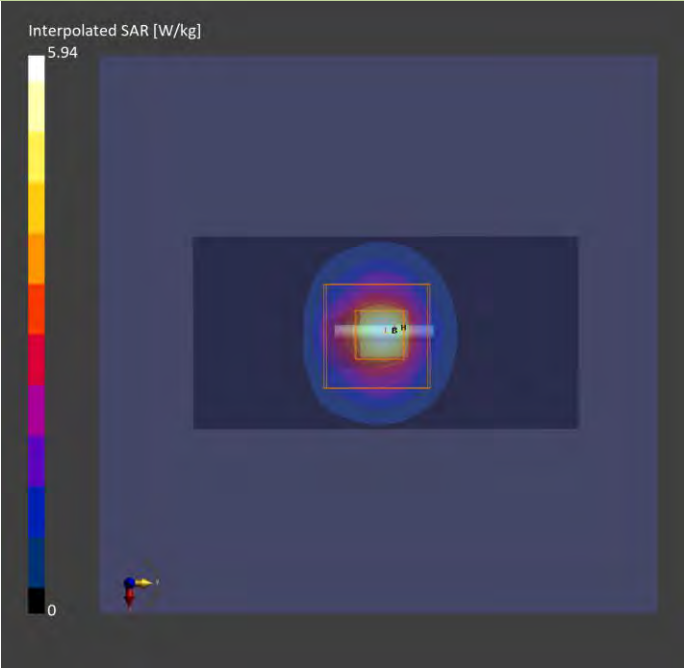
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2024-09-11	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

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	2024-09-11	2024-09-11
psSAR1g [W/kg]	3.67	3.88
psSAR10g [W/kg]	1.06	1.13
Power Drift [dB]	0.02	0.05



Plots of System Verification

Measurement Report
S03 System Check_H5600_240911
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
D5GHzV2,	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--	5600.000, 0	4.30	4.88	34.2

Hardware Setup

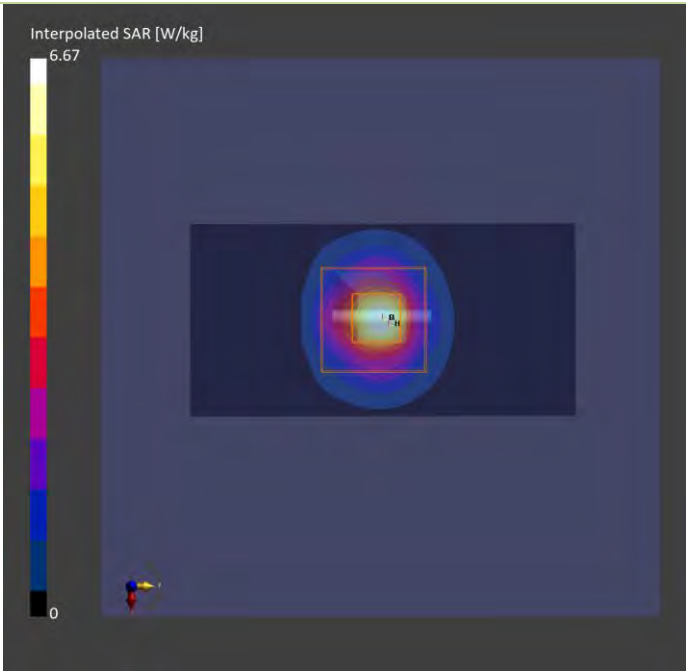
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2024-09-11	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

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	2024-09-11	2024-09-11
psSAR1g [W/kg]	4.06	4.31
psSAR10g [W/kg]	1.15	1.21
Power Drift [dB]	0.02	0.03



Plots of System Verification

Measurement Report
S05 System Check H5750_240911
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
D5GHzV2,	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--	5750.000, 0	4.43	5.05	33.9

Hardware Setup

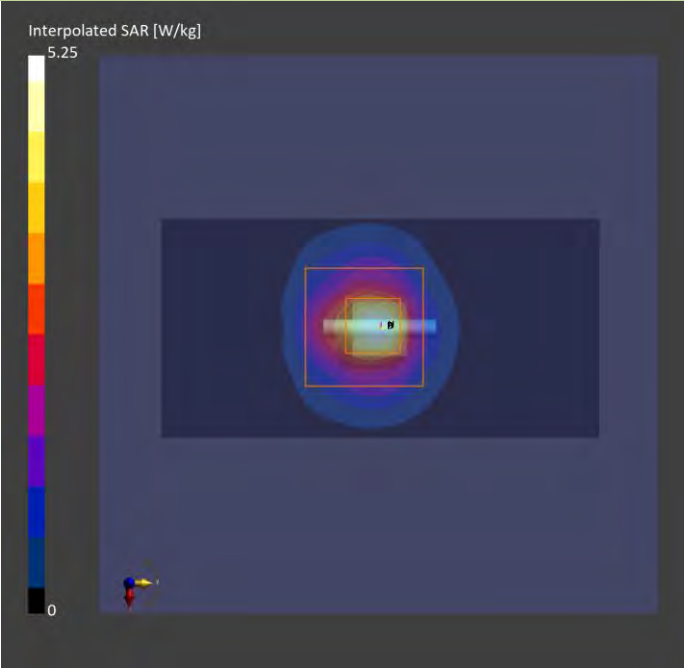
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2024-09-11	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

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	2024-09-11	2024-09-11
psSAR1g [W/kg]	3.48	3.78
psSAR10g [W/kg]	0.949	1.08
Power Drift [dB]	-0.03	-0.02



Plots of System Verification

Measurement Report

S06 System Check_H5800_240911

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
D5GHzV2,	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, HSL	,		CW, 0--	5800.0, 0	4.3	5.10	33.8

Hardware Setup

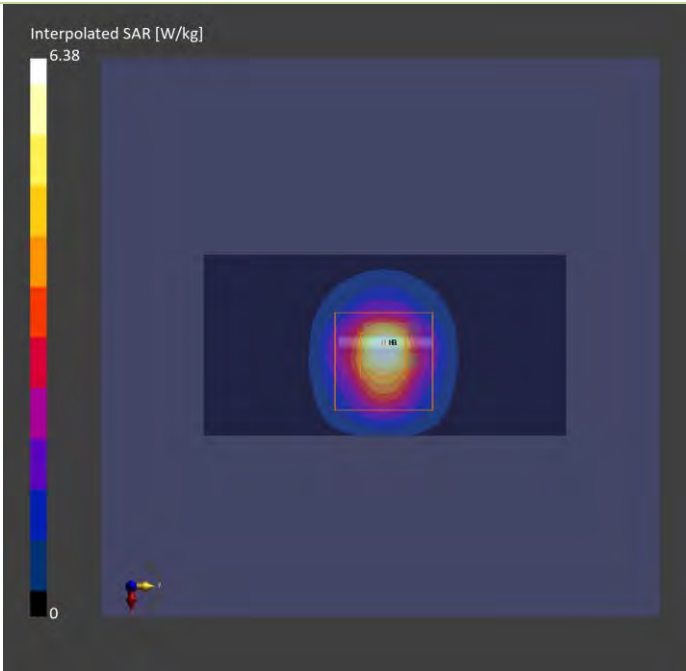
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2024-09-11	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

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	2024-09-11	2024-09-11
psSAR1g [W/kg]	4.16	4.29
psSAR10g [W/kg]	1.24	1.24
Power Drift [dB]	0.03	0.01



Plots of System Verification

Measurement Report
S07 System Check_H2450_241016
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
D2450V2,	10.0 x 10.0 x 290.0		

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	,		CW, 0--	2450.000, 0	7.26	1.80	39.0

Hardware Setup

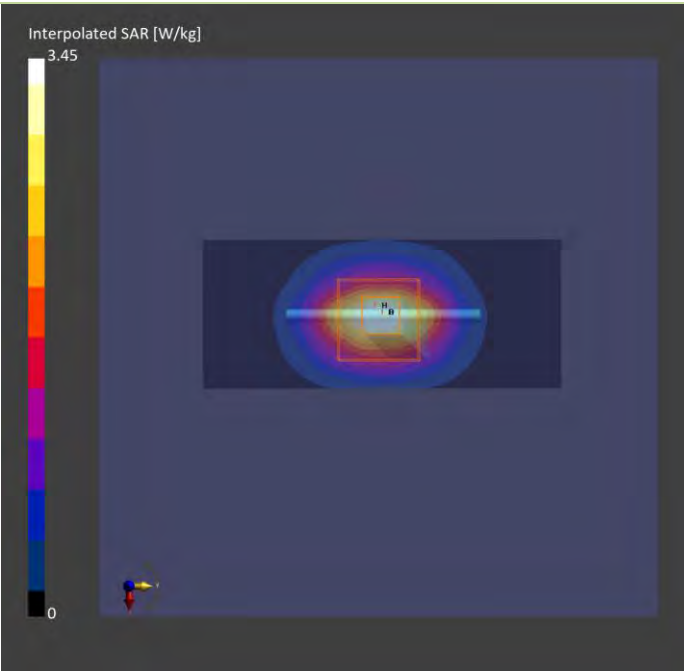
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H19T27N9 , 2024-10-16	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

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	2024-10-16	2024-10-16
psSAR1g [W/kg]	2.63	2.55
psSAR10g [W/kg]	1.28	1.24
Power Drift [dB]	-0.01	-0.08
M2/M1 [%]		79.8
Dist 3dB Peak [mm]		9.1



Plots of System Verification

Measurement Report
S08 System Check H6.5GHz_240912
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
D6.5GHzV2,	10.0 x 10.0 x 296.0		

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, HSL	,		, 0--	6500.0, 0	4.7	5.81	34.2

Hardware Setup

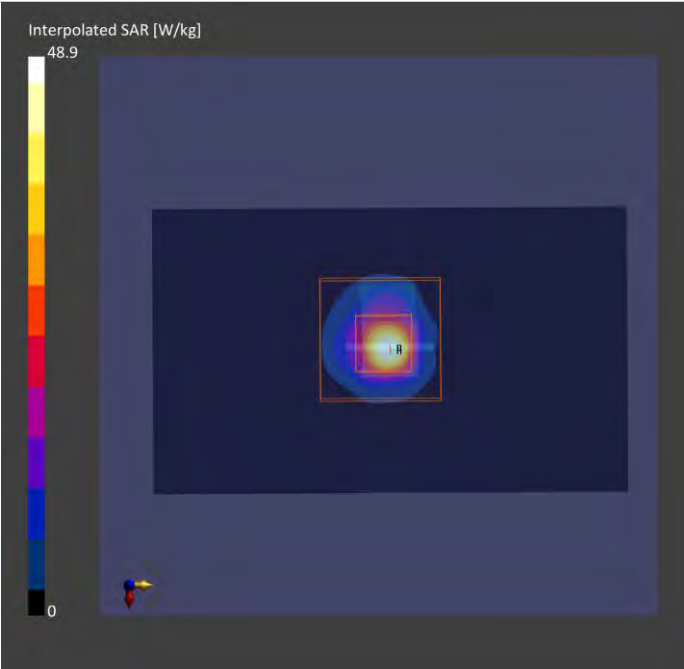
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H60T72N9 , 2024-09-12	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

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	2024-09-12	2024-09-12
psSAR1g [W/kg]	25.5	29.9
psSAR10g [W/kg]	5.06	5.41
psPDab (1.0cm2, sq) [W/m2]		295
psPDab (4.0cm2, sq) [W/m2]		139
Power Drift [dB]	0.02	-0.04



Plots of System Verification

Measurement Report
S08 PD_System Check_10 GHz_2024.09.12
Device under Test Properties

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

Exposure Conditions

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

Hardware Setup

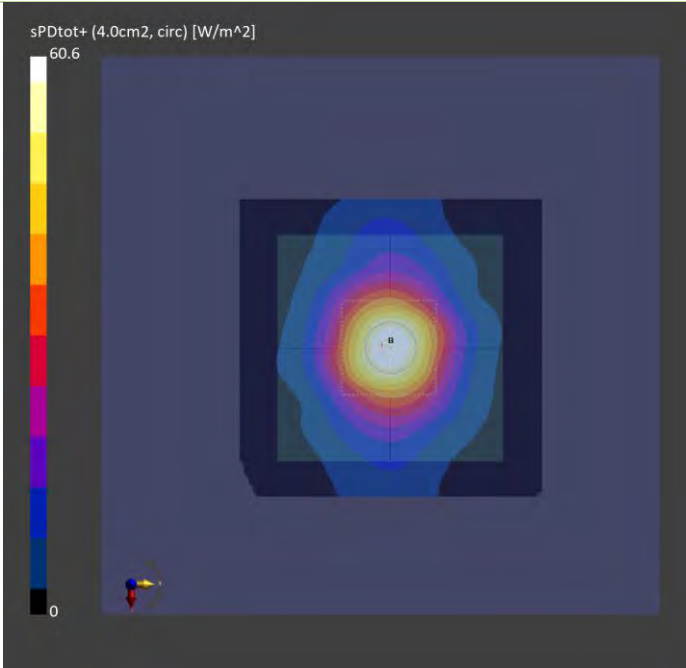
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1030	---Air	EUmmWV4 - SN9438_F1-55GHz, 2024-07-19	DAE4 Sn1762, 2023-11-17

Scan Setup

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

Measurement Results

	5G Scan
Date	2024-09-12
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	60.3
psPDtot+ [W/m ²]	60.7
psPDmod+ [W/m ²]	61.0
E _{max} [V/m]	153
Power Drift [dB]	0.02



Plots of Measurement

Appendix B. Plots of Measurement

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

Plots of Measurement

Measurement Report
P01 WLAN2.4G_802.11b_Rear Face_5mm_Ch6_Ant 0
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
MT7922A22M,	110.0 x 50.0 x 80.0		module

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,	Rear Face, 5.00	WLAN 2.4GHz	WLAN, 10012-CAB	2437.000, 6	7.26	1.79	39.0

Hardware Setup

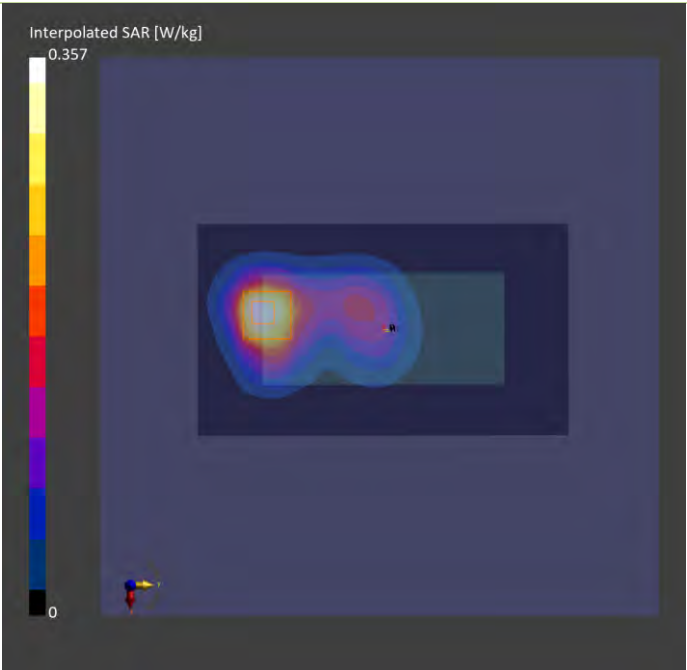
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H19T27N9 , 2024-10-16	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 x 168.0	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	2024-10-16	2024-10-16
psSAR1g [W/kg]	0.289	0.342
psSAR10g [W/kg]	0.150	0.154
Power Drift [dB]	-0.00	0.02
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		11.7



Plots of Measurement

Measurement Report
P02 WLAN5.3G_802.11ac VHT160_Rear Face_5mm_Ch50_Ant 1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
MT7922A22M,	110.0 x 50.0 x 80.0		module

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,	Rear Face, 5.00	WLAN 5GHz	WLAN, 10554-AAE	5250.000, 50	4.9	4.50	34.8

Hardware Setup

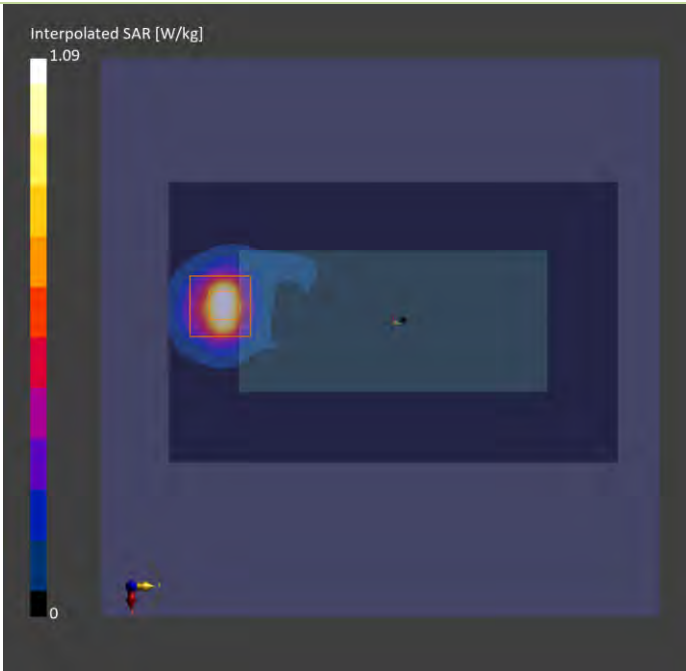
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2024-09-11	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	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	2024-09-11	2024-09-11
psSAR1g [W/kg]	0.751	0.663
psSAR10g [W/kg]	0.239	0.242
Power Drift [dB]	-0.01	0.02
M2/M1 [%]		65.8
Dist 3dB Peak [mm]		7.2



Plots of Measurement

Measurement Report
P03 WLAN5.6G_802.11ac VHT160_Rear Face_5mm_Ch114_Ant 1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
MT7922A22M,	110.0 x 50.0 x 80.0		module

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,	Rear Face, 5.00	WLAN 5GHz	WLAN, 10554-AAE	5570.000, 114	4.3	4.84	34.2

Hardware Setup

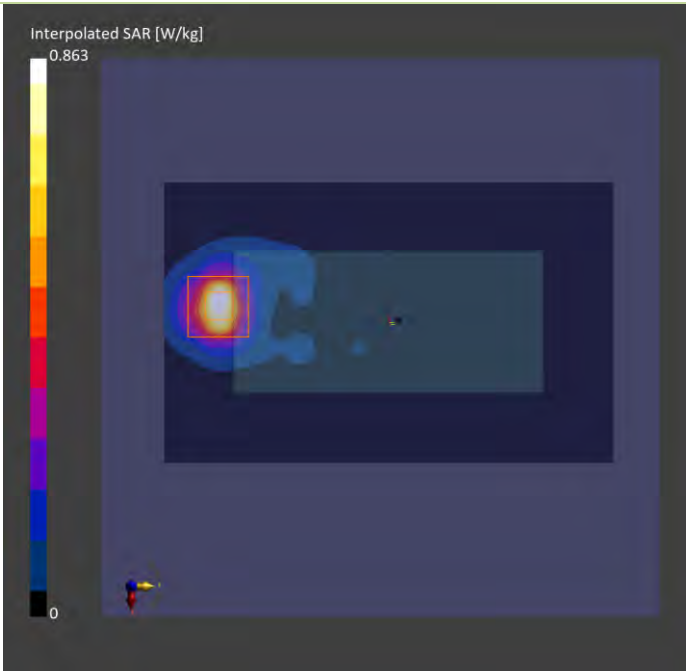
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2024-09-11	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	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	2024-09-11	2024-09-11
psSAR1g [W/kg]	0.599	0.659
psSAR10g [W/kg]	0.194	0.201
Power Drift [dB]	0.05	-0.08
M2/M1 [%]		63.1
Dist 3dB Peak [mm]		7.2



Plots of Measurement

Measurement Report
P05 WLAN5.8G_802.11ac VHT80_Rear Face_5mm_Ch155_Ant 1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
MT7922A22M,	110.0 x 50.0 x 80.0		module

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,	Rear Face, 5.00	WLAN 5GHz	WLAN, 10544-AAD	5775.000, 155	4.43	5.07	33.9

Hardware Setup

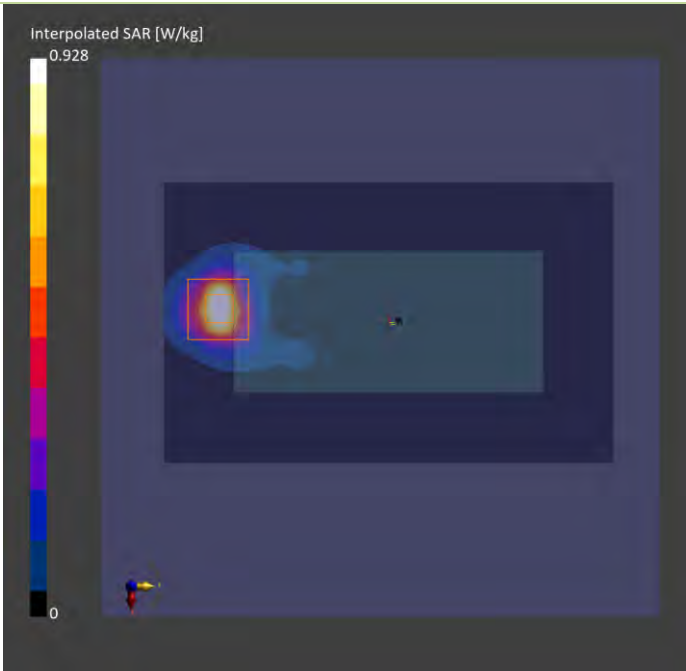
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2024-09-11	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	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	2024-09-11	2024-09-11
psSAR1g [W/kg]	0.628	0.698
psSAR10g [W/kg]	0.210	0.219
Power Drift [dB]	0.07	0.06
M2/M1 [%]		61.6
Dist 3dB Peak [mm]		7.2



Plots of Measurement

Measurement Report
P06 WLAN5.9G_802.11ac VHT160_Rear Face_5mm_Ch163_Ant 0
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
MT7922A22M,	110.0 x 50.0 x 80.0		module

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,	Rear Face, 5.00	WLAN 5GHz	WLAN, 10554-AAE	5815.000, 163	4.3	5.12	33.8

Hardware Setup

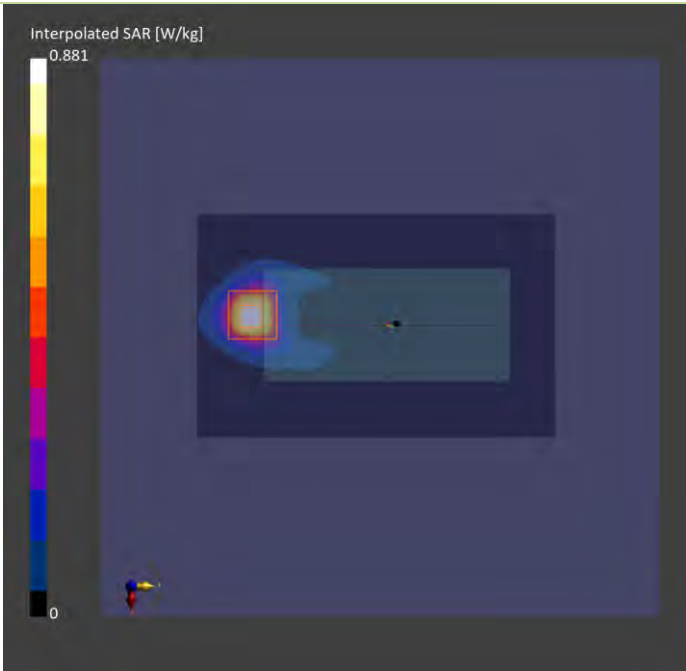
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2024-09-11	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	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	2024-09-11	2024-09-11
psSAR1g [W/kg]	0.583	0.708
psSAR10g [W/kg]	0.215	0.229
Power Drift [dB]	-0.03	-0.01
M2/M1 [%]		61.6
Dist 3dB Peak [mm]		7.2



Plots of Measurement

Measurement Report
P07_BT_BDR_Rear Face_5mm_Ch0_Ant 1
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
MT7922A22M,	110.0 x 50.0 x 80.0		module

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,	Rear Face, 5.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2402.000, 0	7.26	1.77	39.1

Hardware Setup

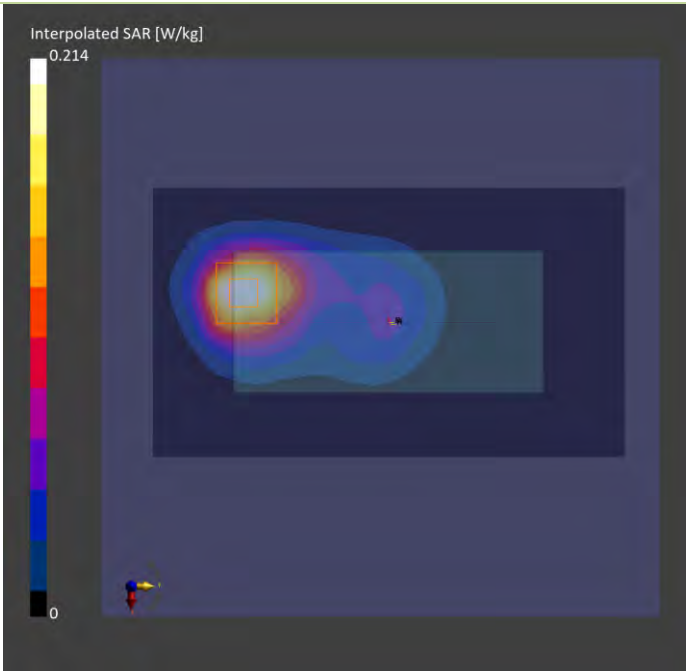
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H19T27N9 , 2024-10-16	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	84.0 x 168.0	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	2024-10-16	2024-10-16
psSAR1g [W/kg]	0.074	0.093
psSAR10g [W/kg]	0.089	0.032
Power Drift [dB]	0.02	-0.02
M2/M1 [%]		78.4
Dist 3dB Peak [mm]		10.5



Plots of Measurement

Measurement Report
P08 WLAN6GHz_802.11ax HE160_Rear Face_5mm_Ch15_2T1S_Ant 0_SP
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
MT7922A22M,	110.0 x 50.0 x 80.0		module

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,	Rear Face, 5.00	U-NII-5	WLAN, 10755-AAC	6025.000, 15	4.7	5.28	34.9

Hardware Setup

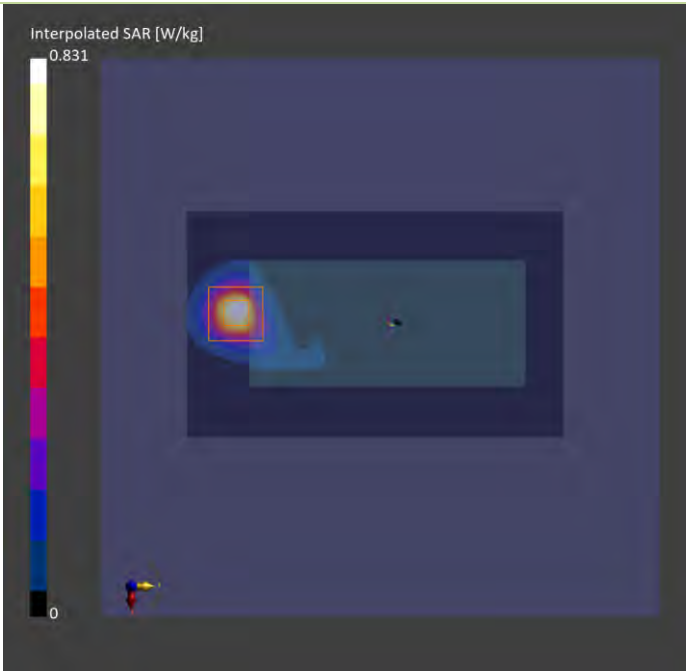
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H60T72N9 , 2024-09-12	EX3DV4 - SN7778, 2023-11-22	DAE4 Sn1431, 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	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	2024-09-12	2024-09-12
psSAR1g [W/kg]	0.589	0.652
psSAR10g [W/kg]	0.176	0.188
psAPD (1.0cm2, sq) [W/m2]		6.52
psAPD (4.0cm2, sq) [W/m2]		4.33
Power Drift [dB]	0.17	0.09
M2/M1 [%]		55.6
Dist 3dB Peak [mm]		7.4



Plots of Measurement

Measurement Report
P08 WLAN6GHz_802.11ax HE160_Rear Face_5mm_Ch15_2T1S_Ant 0_SP
Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
MT7922A22M,	110.0 x 50.0 x 80.0		module

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Rear Face, 5.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	1.0

Hardware Setup

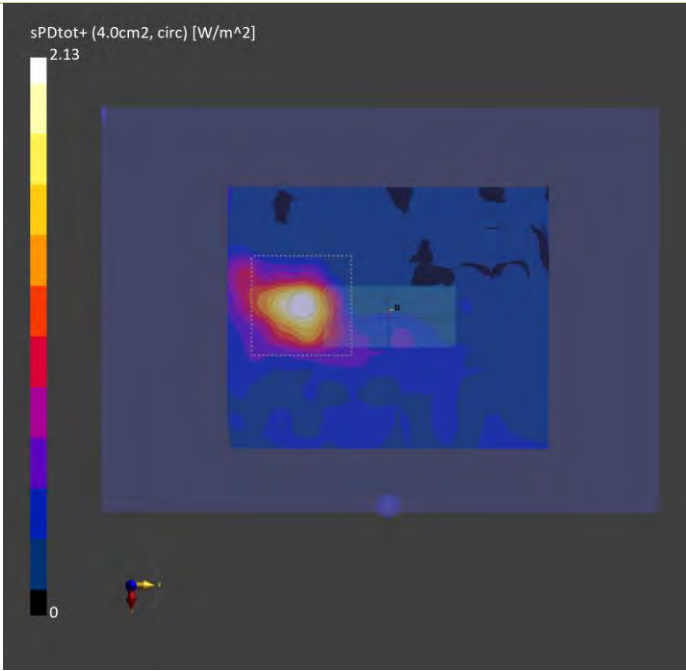
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1030	---Air	EUmmWV4 - SN9438_F1-55GHz, 2024-07-19	DAE4 Sn1762, 2023-11-17

Scan Setup

	5G Scan	
Grid Extents [mm]	100.0 x	100.0
Grid Steps [lambda]	0.125 x	0.125
Sensor Surface [mm]		5.0

Measurement Results

	5G Scan
Date	2024-09-12
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.22
psPDtot+ [W/m ²]	2.71
psPDmod+ [W/m ²]	2.65
E _{max} [V/m]	38.4
Power Drift [dB]	-0.04



Appendix C. Tissue & System Verification

The measuring results for tissue simulating liquid and system check are shown as below.

Note:

1. For Section 4.3, the dielectric properties of the tissue simulating liquid have been measured within 24 hours before the SAR testing and within ± 10 % of the target values. Liquid temperature during the SAR testing has kept within ± 2 °C.
2. For Section 4.4, The SAR measurement system was validated according to procedures in FCC KDB 865664 D0. The validation status in tabulated summary is as below.
3. For Section 4.5, Comparing to the reference SAR value provided by SPEAG in dipole calibration certificate, the deviation of system check results is within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots please refer to Appendix A of this report.

Tissue Verification									Validation for CW			Validation for Modulation				System Check					Note			
Plot No.	Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N	Output Power (dBm)
S01	2450	22.4	1.80	39.0	1.8	39.2	0.00	-0.51	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 16, 2024	2450	52.90	2.55	50.88	-3.82	737	7778	1431	17
S02	5250	22.7	4.50	34.8	4.71	35.9	-4.46	-3.06	Pass	Pass	Pass	OFDM	N/A	Pass	Sep. 11, 2024	5250	80.20	3.88	77.42	-3.47	1019	7778	1431	17
S03	5600	22.7	4.88	34.2	5.07	35.5	-3.75	-3.66	Pass	Pass	Pass	OFDM	N/A	Pass	Sep. 11, 2024	5600	82.90	4.31	86.00	3.73	1019	7778	1431	17
S05	5750	22.7	5.05	33.9	5.22	35.4	-3.26	-4.24	Pass	Pass	Pass	OFDM	N/A	Pass	Sep. 11, 2024	5750	78.40	3.78	75.42	-3.80	1203	7778	1431	17
S06	5800	22.7	5.1	33.8	5.27	35.3	-3.23	-4.25	Pass	Pass	Pass	OFDM	N/A	Pass	Sep. 11, 2024	5800	80.30	4.29	85.60	6.60	1019	7778	1431	17
S07	2450	22.4	1.80	39.0	1.8	39.2	0.00	-0.51	Pass	Pass	Pass	OFDM	N/A	Pass	Oct. 16, 2024	2450	52.90	2.55	50.88	-3.82	737	7778	1431	17
S08	6500	22.5	5.81	34.2	6.07	34.5	-4.28	-0.87	Pass	Pass	Pass	OFDM	N/A	Pass	Sep. 12, 2024	6500	292.00	29.9	299.00	2.40	1008	7778	1431	20

System Performance Check for Incident Power Density Measurement									
Plot No.	Test Date	Frequency [GHz]	mmWave Probe S/N	Verification Source S/N	Averaging Area [cm ²]	Distance [mm]	Target Power Density [W/m ²]	Measured Power Density [W/m ²]	Deviation [%]
S08	Sep. 12, 2024	10	9438	1025	4	10.0	56.2	60.7	8.01%

Appendix D. Maximum Target Conducted Power

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

WLAN 2.4GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11b	1	2412	15.5	15.5
	6	2437	15.5	15.5
	11	2462	15.5	15.5
	12	2467	15.5	15.5
	13	2472	14.0	14.0
802.11g	1	2412	15.5	15.5
	6	2437	15.5	15.5
	11	2462	15.5	15.5
	12	2467	15.0	15.5
	13	2472	12.0	12.5
802.11n HT20	1	2412	15.5	15.5
	6	2437	15.5	15.5
	11	2462	15.5	15.5
	12	2467	14.0	15.0
	13	2472	10.0	10.0
802.11n HT40	3	2422	15.5	15.5
	6	2437	15.5	15.5
	9	2452	15.5	15.5
	10	2457	13.0	13.5
	11	2462	10.0	11.0
802.11ax HE20	1	2412	15.5	15.5
	6	2437	15.5	15.5
	11	2462	15.5	15.5
	12	2467	15.0	15.0
	13	2472	10.5	10.5
802.11ax HE40	3	2422	15.5	15.5
	6	2437	15.5	15.5
	9	2452	15.5	15.5
	10	2457	13.0	13.5
	11	2462	10.5	11.5

Tune-up Power (Full)				
Bluetooth				
Mode	Channel	Frequency	Ant 1 Max Tune-up	
BR / EDR	0	2402	11.5	
	39	2441	11.5	
	78	2480	11.5	
LE	0	2402	11.5	
	19	2440	11.5	
	39	2480	11.5	

Tune-up Power (Full)				
WLAN 5.2GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	36	5180	14.0	14.0
	40	5200	14.0	14.0
	44	5220	14.0	14.0
	48	5240	14.0	14.0
802.11n HT20	36	5180	14.0	14.0
	40	5200	14.0	14.0
	44	5220	14.0	14.0
	48	5240	14.0	14.0
802.11n HT40	38	5190	14.0	14.0
	46	5230	14.0	14.0
802.11ac VHT20	36	5180	14.0	14.0
	40	5200	14.0	14.0
	44	5220	14.0	14.0
	48	5240	14.0	14.0
802.11ac VHT40	38	5190	14.0	14.0
	46	5230	14.0	14.0
802.11ac VHT80	42	5210	14.0	14.0
802.11ax HE20	36	5180	14.0	14.0
	40	5200	14.0	14.0
	44	5220	14.0	14.0
	48	5240	14.0	14.0
802.11ax HE40	38	5190	14.0	14.0
	46	5230	14.0	14.0
802.11ax HE80	42	5210	14.0	14.0

Tune-up Power (Full)				
WLAN 5.3GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	52	5260	14.0	14.0
	56	5280	14.0	14.0
	60	5300	14.0	14.0
	64	5320	14.0	14.0
802.11n HT20	52	5260	14.0	14.0
	56	5280	14.0	14.0
	60	5300	14.0	14.0
	64	5320	14.0	14.0
802.11n HT40	54	5270	14.0	14.0
	62	5310	14.0	14.0
802.11ac VHT20	52	5260	14.0	14.0
	56	5280	14.0	14.0
	60	5300	14.0	14.0
	64	5320	14.0	14.0
802.11ac VHT40	54	5270	14.0	14.0
	62	5310	14.0	14.0
802.11ac VHT80	58	5290	14.0	14.0
802.11ac VHT160	50	5250	14.0	14.0
802.11ax HE20	52	5260	14.0	14.0
	56	5280	14.0	14.0
	60	5300	14.0	14.0
	64	5320	14.0	14.0
802.11ax HE40	54	5270	14.0	14.0
	62	5310	14.0	14.0
802.11ax HE80	58	5290	14.0	14.0
802.11ax HE160	50	5250	14.0	14.0

Tune-up Power (Full)				
WLAN 5.6GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	100	5500	14.0	14.0
	116	5580	14.0	14.0
	120	5600	14.0	14.0
	124	5620	14.0	14.0
	132	5660	14.0	14.0
	140	5700	14.0	14.0
	144	5720	14.0	14.0
802.11n HT20	100	5500	14.0	14.0
	116	5580	14.0	14.0
	120	5600	14.0	14.0
	124	5620	14.0	14.0
	132	5660	14.0	14.0
	140	5700	14.0	14.0
	144	5720	14.0	14.0
802.11n HT40	102	5510	14.0	14.0
	110	5550	14.0	14.0
	118	5590	14.0	14.0
	126	5630	14.0	14.0
	134	5670	14.0	14.0
	142	5710	14.0	14.0
802.11ac VHT20	100	5500	14.0	14.0
	116	5580	14.0	14.0
	120	5600	14.0	14.0
	124	5620	14.0	14.0
	132	5660	14.0	14.0
	140	5700	14.0	14.0
	144	5720	14.0	14.0
802.11ac VHT40	102	5510	14.0	14.0
	110	5550	14.0	14.0
	118	5590	14.0	14.0
	126	5630	14.0	14.0
	134	5670	14.0	14.0
	142	5710	14.0	14.0
802.11ac VHT80	106	5530	14.0	14.0
	122	5610	14.0	14.0
	138	5690	14.0	14.0
802.11ac VHT160	114	5570	14.0	14.0
802.11ax HE20	100	5500	14.0	14.0
	116	5580	14.0	14.0
	120	5600	14.0	14.0
	124	5620	14.0	14.0
	132	5660	14.0	14.0
	140	5700	14.0	14.0
	144	5720	14.0	14.0
802.11ax HE40	102	5510	14.0	14.0
	110	5550	14.0	14.0
	118	5590	14.0	14.0
	126	5630	14.0	14.0
	134	5670	14.0	14.0
	142	5710	14.0	14.0
802.11ax HE80	106	5530	14.0	14.0
	122	5610	14.0	14.0
	138	5690	14.0	14.0
802.11ax HE160	114	5570	14.0	14.0

Tune-up Power (Full)				
WLAN 5.8GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	149	5745	14.0	14.0
	153	5765	14.0	14.0
	157	5785	14.0	14.0
	161	5805	14.0	14.0
	165	5825	14.0	14.0
802.11n HT20	149	5745	14.0	14.0
	153	5765	14.0	14.0
	157	5785	14.0	14.0
	161	5805	14.0	14.0
	165	5825	14.0	14.0
802.11n HT40	151	5755	14.0	14.0
	159	5795	14.0	14.0
802.11ac VHT20	149	5745	14.0	14.0
	153	5765	14.0	14.0
	157	5785	14.0	14.0
	161	5805	14.0	14.0
	165	5825	14.0	14.0
802.11ac VHT40	151	5755	14.0	14.0
	159	5795	14.0	14.0
802.11ac VHT80	155	5775	14.0	14.0
802.11ax HE20	149	5745	14.0	14.0
	153	5765	14.0	14.0
	157	5785	14.0	14.0
	161	5805	14.0	14.0
	165	5825	14.0	14.0
802.11ax HE40	151	5755	14.0	14.0
	159	5795	14.0	14.0
802.11ax HE80	155	5775	14.0	14.0

Tune-up Power (Full)				
WLAN 5.9GHz				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	169	5845	14.0	14.0
	173	5865	14.0	14.0
	177	5885	14.0	14.0
802.11n HT20	169	5845	14.0	14.0
	173	5865	14.0	14.0
	177	5885	14.0	14.0
802.11n HT40	167	5835	14.0	14.0
	175	5875	14.0	14.0
802.11ac VHT20	169	5845	14.0	14.0
	173	5865	14.0	14.0
	177	5885	14.0	14.0
802.11ac VHT40	167	5835	14.0	14.0
	175	5875	14.0	14.0
802.11ac VHT80	171	5855	14.0	14.0
802.11ac VHT160	163	5815	14.0	14.0
802.11ax HE20	169	5845	14.0	14.0
	173	5865	14.0	14.0
	177	5885	14.0	14.0
802.11ax HE40	167	5835	14.0	14.0
	175	5875	14.0	14.0
802.11ax HE80	171	5855	14.0	14.0
802.11ax HE160	163	5815	14.0	14.0

Tune-up Power (2T1S)_SP				
UNII-5				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	1	5955	14.5	14.5
	5	5975	14.5	14.5
	9	5995	14.5	14.5
	13	6015	14.5	14.5
	17	6035	14.5	14.5
	21	6055	14.5	14.5
	25	6075	14.5	14.5
	29	6095	14.5	14.5
	33	6115	14.5	14.5
	37	6135	14.5	14.5
	41	6155	14.5	14.5
	45	6175	14.5	14.5
	49	6195	14.5	14.5
	53	6215	14.5	14.5
	57	6235	14.5	14.5
	61	6255	14.5	14.5
	65	6275	14.5	14.5
	69	6295	14.5	14.5
	73	6315	14.5	14.5
	77	6335	14.5	14.5
802.11ax HE20	81	6355	14.5	14.5
	85	6375	14.5	14.5
	89	6395	14.5	14.5
	93	6415	14.5	14.5
	1	5955	14.5	14.5
	5	5975	14.5	14.5
	9	5995	14.5	14.5
	13	6015	14.5	14.5
	17	6035	14.5	14.5
	21	6055	14.5	14.5
	25	6075	14.5	14.5
	29	6095	14.5	14.5
	33	6115	14.5	14.5
	37	6135	14.5	14.5
	41	6155	14.5	14.5
	45	6175	14.5	14.5
	49	6195	14.5	14.5
	53	6215	14.5	14.5
	57	6235	14.5	14.5
	61	6255	14.5	14.5
802.11ax HE40	65	6275	14.5	14.5
	69	6295	14.5	14.5
	73	6315	14.5	14.5
	77	6335	14.5	14.5
	81	6355	14.5	14.5
	85	6375	14.5	14.5
	89	6395	14.5	14.5
	93	6415	14.5	14.5
	3	5965	14.5	14.5
	11	6005	14.5	14.5
802.11ax HE80	19	6045	14.5	14.5
	27	6085	14.5	14.5
	35	6125	14.5	14.5
	43	6165	14.5	14.5
	51	6205	14.5	14.5
	59	6245	14.5	14.5
	67	6285	14.5	14.5
	75	6325	14.5	14.5
	83	6365	14.5	14.5
	91	6405	14.5	14.5
802.11ax HE160	7	5985	14.5	14.5
	23	6065	14.5	14.5
	39	6145	14.5	14.5
	55	6225	14.5	14.5
	71	6305	14.5	14.5
	87	6385	14.5	14.5
	15	6025	14.5	14.5
	47	6185	14.5	14.5
	79	6345	14.5	14.5

Tune-up Power (2T1S)_SP				
UNII-7				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	117	6535	14.5	14.5
	121	6555	14.5	14.5
	125	6575	14.5	14.5
	129	6595	14.5	14.5
	133	6615	14.5	14.5
	137	6635	14.5	14.5
	141	6655	14.5	14.5
	145	6675	14.5	14.5
	149	6695	14.5	14.5
	153	6715	14.5	14.5
	157	6735	14.5	14.5
	161	6755	14.5	14.5
	165	6775	14.5	14.5
	169	6795	14.5	14.5
	173	6815	14.5	14.5
	177	6835	14.5	14.5
	181	6855	14.5	14.5
802.11ax HE20	117	6535	14.5	14.5
	121	6555	14.5	14.5
	125	6575	14.5	14.5
	129	6595	14.5	14.5
	133	6615	14.5	14.5
	137	6635	14.5	14.5
	141	6655	14.5	14.5
	145	6675	14.5	14.5
	149	6695	14.5	14.5
	153	6715	14.5	14.5
	157	6735	14.5	14.5
	161	6755	14.5	14.5
	165	6775	14.5	14.5
	169	6795	14.5	14.5
	173	6815	14.5	14.5
	177	6835	14.5	14.5
	181	6855	14.5	14.5
802.11ax HE40	123	6565	14.5	14.5
	131	6605	14.5	14.5
	139	6645	14.5	14.5
	147	6685	14.5	14.5
	155	6725	14.5	14.5
	163	6765	14.5	14.5
	171	6805	14.5	14.5
802.11ax HE80	179	6845	14.5	14.5
	135	6625	14.5	14.5
	151	6705	14.5	14.5
802.11ax HE160	167	6785	14.5	14.5
	143	6665	14.5	14.5

Tune-up Power (2T1S)_LPI				
UNII-5				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	1	5955	1.0	1.0
	5	5975	1.0	1.0
	9	5995	1.0	1.0
	13	6015	1.0	1.0
	17	6035	1.0	1.0
	21	6055	1.0	1.0
	25	6075	1.0	1.0
	29	6095	1.0	1.0
	33	6115	1.0	1.0
	37	6135	1.0	1.0
	41	6155	1.0	1.0
	45	6175	1.0	1.0
	49	6195	1.0	1.0
	53	6215	1.0	1.0
	57	6235	1.0	1.0
	61	6255	1.0	1.0
	65	6275	1.0	1.0
	69	6295	1.0	1.0
	73	6315	1.0	1.0
	77	6335	1.0	1.0
802.11ax HE20	81	6355	1.0	1.0
	85	6375	1.0	1.0
	89	6395	1.0	1.0
	93	6415	1.0	1.0
	1	5955	1.5	2.0
	5	5975	1.5	2.0
	9	5995	1.5	2.0
	13	6015	1.5	2.0
	17	6035	1.5	2.0
	21	6055	1.5	2.0
	25	6075	1.5	2.0
	29	6095	1.5	2.0
	33	6115	1.5	2.0
	37	6135	1.5	2.0
	41	6155	1.5	2.0
	45	6175	1.5	2.0
	49	6195	1.5	2.0
	53	6215	1.5	2.0
	57	6235	1.5	2.0
	61	6255	1.5	2.0
802.11ax HE40	65	6275	1.5	2.0
	69	6295	1.5	2.0
	73	6315	1.5	2.0
	77	6335	1.5	2.0
	81	6355	1.5	2.0
	85	6375	1.5	2.0
	89	6395	1.5	2.0
	93	6415	1.5	2.0
	3	5965	4.5	4.0
	11	6005	4.5	4.0
802.11ax HE80	19	6045	4.5	4.0
	27	6085	4.5	4.0
	35	6125	4.5	4.0
	43	6165	4.5	4.0
	51	6205	4.5	4.0
	59	6245	4.5	4.0
	67	6285	4.5	4.0
	75	6325	4.5	4.0
	83	6365	4.5	4.0
	91	6405	4.5	4.0
802.11ax HE160	7	5985	7.5	7.5
	23	6065	7.5	7.5
	39	6145	7.5	7.5
	55	6225	7.5	7.5
	71	6305	7.5	7.5
	87	6385	7.5	7.5
	15	6025	10.0	9.5
	47	6185	9.5	9.5
	79	6345	10.0	10.0

Tune-up Power (2T1S)_LPI				
UNII-6				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	97	6435	2.5	1.5
	101	6455	2.5	1.5
	105	6475	2.5	1.5
	109	6495	2.5	1.5
	113	6515	2.5	1.5
802.11ax HE20	97	6435	2.0	2.5
	101	6455	2.0	2.5
	105	6475	2.0	2.5
	109	6495	2.0	2.5
	113	6515	2.0	2.5
802.11ax HE40	99	6445	4.5	4.0
	107	6485	4.0	4.5
	115	6525	4.5	4.0
802.11ax HE80	103	6465	7.5	7.5
	119	6545	7.5	8.0
802.11ax HE160	111	6505	10.0	10.0

Tune-up Power (2T1S)_LPI				
UNII-7				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	117	6535	2.5	1.5
	121	6555	1.5	1.0
	125	6575	1.5	1.0
	129	6595	1.5	1.0
	133	6615	1.5	1.0
	137	6635	1.5	1.0
	141	6655	1.5	1.0
	145	6675	1.5	1.0
	149	6695	1.5	1.0
	153	6715	1.5	1.0
	157	6735	1.5	1.0
	161	6755	1.5	1.0
	165	6775	1.5	1.0
	169	6795	1.5	1.0
	173	6815	1.5	1.0
	177	6835	1.5	1.0
802.11ax HE20	181	6855	1.5	1.0
	185	6875	1.5	1.0
	117	6535	1.5	1.0
	121	6555	2.0	2.5
	125	6575	2.0	2.5
	129	6595	2.0	2.5
	133	6615	2.0	2.5
	137	6635	2.0	2.5
	141	6655	2.0	2.5
	145	6675	2.0	2.5
	149	6695	2.0	2.5
	153	6715	2.0	2.5
	157	6735	2.0	2.5
	161	6755	2.0	2.5
	165	6775	2.0	2.5
	169	6795	2.0	2.5
802.11ax HE40	173	6815	2.0	2.5
	177	6835	2.0	2.5
	181	6855	2.0	2.5
	185	6875	2.0	2.5
	123	6565	4.5	4.0
	131	6605	4.5	4.0
	139	6645	4.5	4.0
	147	6685	4.5	4.0
802.11ax HE80	155	6725	4.5	4.0
	163	6765	4.5	4.0
	171	6805	4.5	4.0
	179	6845	4.5	4.0
	187	6885	4.5	4.0
802.11ax HE160	135	6625	7.5	7.5
	151	6705	6.5	6.5
	167	6785	7.0	6.5
	183	6865	7.5	7.0
	143	6665	9.5	10.0
	175	6825	10.5	9.5

Tune-up Power (2T1S)_LPI				
UNII-8				
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up
802.11a	189	6895	1.5	2.0
	193	6915	1.5	2.0
	197	6935	1.5	2.0
	201	6955	1.5	2.0
	205	6975	1.5	2.0
	209	6995	1.5	2.0
	213	7015	1.5	2.0
	217	7035	1.5	2.0
	221	7055	1.5	2.0
	225	7075	1.5	2.0
	229	7095	1.5	2.0
	233	7115	1.5	2.0
802.11ax HE20	189	6895	2.5	3.0
	193	6915	2.5	3.0
	197	6935	2.5	3.0
	201	6955	2.5	3.0
	205	6975	2.5	3.0
	209	6995	2.5	3.0
	213	7015	2.5	3.0
	217	7035	2.5	3.0
	221	7055	2.5	3.0
	225	7075	2.5	3.0
	229	7095	2.5	3.0
	233	7115	2.5	3.0
802.11ax HE40	195	6925	4.5	5.0
	203	6965	4.5	5.0
	211	7005	4.5	5.0
	219	7045	4.5	5.0
	227	7085	4.5	5.0
802.11ax HE80	199	6945	7.5	7.5
	215	7025	6.5	8.5
802.11ax HE160	207	6985	10.0	10.5

Tune-up Power (1T1S)_SP			
UNII-5			
Mode	Channel	Frequency	SISO Ant 0 & 1 Max Tune up
802.11a	1	5955	14.5
	5	5975	14.5
	9	5995	14.5
	13	6015	14.5
	17	6035	14.5
	21	6055	14.5
	25	6075	14.5
	29	6095	14.5
	33	6115	14.5
	37	6135	14.5
	41	6155	14.5
	45	6175	14.5
	49	6195	14.5
	53	6215	14.5
	57	6235	14.5
	61	6255	14.5
	65	6275	14.5
	69	6295	14.5
	73	6315	14.5
	77	6335	14.5
	81	6355	14.5
	85	6375	14.5
	89	6395	14.5
	93	6415	14.5
802.11ax HE160	15	6025	14.5
	47	6185	14.5
	79	6345	14.5

Tune-up Power (1T1S)_SP			
UNII-7			
Mode	Channel	Frequency	SISO Ant 0 & 1 Max Tune up
802.11a	117	6535	14.5
	121	6555	14.5
	125	6575	14.5
	129	6595	14.5
	133	6615	14.5
	137	6635	14.5
	141	6655	14.5
	145	6675	14.5
	149	6695	14.5
	153	6715	14.5
	157	6735	14.5
	161	6755	14.5
	165	6775	14.5
	169	6795	14.5
	173	6815	14.5
	177	6835	14.5
	181	6855	14.5
802.11ax HE160	143	6665	14.5

Tune-up Power (1T1S)_LPI			
UNII-5			
Mode	Channel	Frequency	SISO Ant 0 & 1 Max Tune up
802.11ax HE160	15	6025	13.0
	47	6185	13.0
	79	6345	13.0

Tune-up Power (1T1S)_LPI			
UNII-6			
Mode	Channel	Frequency	SISO Ant 0 & 1
802.11ax HE160	111	6505	13.0

Tune-up Power (1T1S)_LPI			
UNII-7			
Mode	Channel	Frequency	SISO Ant 0 & 1
802.11ax HE160	143	6665	13.0
	175	6825	13.0

Tune-up Power (1T1S)_LPI			
UNII-8			
Mode	Channel	Frequency	SISO Ant 0 & 1
802.11ax HE160	207	6985	13.0

Appendix E. Measured Conducted Power Result

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

Conducted Power (Full)			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	15.28
	6	2437	15.33
	11	2462	15.19
	12	2467	15.18
	13	2472	13.59
802.11g	1	2412	15.19
	6	2437	15.15
	11	2462	15.15
	12	2467	14.44
	13	2472	11.61
802.11n HT20	1	2412	15.07
	6	2437	15.09
	11	2462	15.11
	12	2467	13.91
	13	2472	9.5
802.11n HT40	3	2422	14.82
	6	2437	15.14
	9	2452	14.75
	10	2457	12.33
	11	2462	9.88
802.11ax HE20	1	2412	15.16
	6	2437	15.06
	11	2462	15.13
	12	2467	14.18
	13	2472	9.95
802.11ax HE40	3	2422	15.11
	6	2437	15.1
	9	2452	15.05
	10	2457	12.54
	11	2462	10.11

Conducted Power (Full)			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	15.23
	6	2437	15.26
	11	2462	15.22
	12	2467	15.18
	13	2472	13.83
802.11g	1	2412	15.2
	6	2437	15.18
	11	2462	15.11
	12	2467	15.13
	13	2472	12.3
802.11n HT20	1	2412	15.15
	6	2437	15.06
	11	2462	15.08
	12	2467	14.62
	13	2472	9.71
802.11n HT40	3	2422	15.09
	6	2437	15.2
	9	2452	15.07
	10	2457	13.12
	11	2462	10.75
802.11ax HE20	1	2412	15.16
	6	2437	15.17
	11	2462	15.18
	12	2467	14.85
	13	2472	10.46
802.11ax HE40	3	2422	15.17
	6	2437	15.13
	9	2452	15.13
	10	2457	13.4
	11	2462	11.01

Conducted Power (Full)			
Bluetooth Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	11.43
	39	2441	11.36
	78	2480	11.32
LE	0	2402	11.03
	19	2440	11.02
	39	2480	10.98

Conducted Power (Full)			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	13.56
	40	5200	13.59
	44	5220	13.63
	48	5240	13.63
802.11n HT20	36	5180	13.58
	40	5200	13.63
	44	5220	13.65
	48	5240	13.59
802.11n HT40	38	5190	13.69
	46	5230	13.64
802.11ac VHT20	36	5180	13.59
	40	5200	13.69
	44	5220	13.67
	48	5240	13.6
802.11ac VHT40	38	5190	13.67
	46	5230	13.68
802.11ac VHT80	42	5210	13.7
802.11ax HE20	36	5180	13.57
	40	5200	13.61
	44	5220	13.55
	48	5240	13.65
802.11ax HE40	38	5190	13.61
	46	5230	13.65
802.11ax HE80	42	5210	13.67

Conducted Power (Full)			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	13.56
	40	5200	13.6
	44	5220	13.57
	48	5240	13.6
802.11n HT20	36	5180	13.58
	40	5200	13.66
	44	5220	13.56
	48	5240	13.55
802.11n HT40	38	5190	13.57
	46	5230	13.65
802.11ac VHT20	36	5180	13.55
	40	5200	13.64
	44	5220	13.61
	48	5240	13.63
802.11ac VHT40	38	5190	13.64
	46	5230	13.56
802.11ac VHT80	42	5210	13.69
802.11ax HE20	36	5180	13.57
	40	5200	13.64
	44	5220	13.66
	48	5240	13.55
802.11ax HE40	38	5190	13.56
	46	5230	13.58
802.11ax HE80	42	5210	13.59

Conducted Power (Full)			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	13.57
	56	5280	13.58
	60	5300	13.59
	64	5320	13.57
802.11n HT20	52	5260	13.69
	56	5280	13.68
	60	5300	13.62
	64	5320	13.59
802.11n HT40	54	5270	13.64
	62	5310	13.56
802.11ac VHT20	52	5260	13.57
	56	5280	13.57
	60	5300	13.63
	64	5320	13.7
802.11ac VHT40	54	5270	13.55
	62	5310	13.64
802.11ac VHT80	58	5290	13.65
802.11ac VHT160	50	5250	13.79
802.11ax HE20	52	5260	13.66
	56	5280	13.66
	60	5300	13.57
	64	5320	13.55
802.11ax HE40	54	5270	13.55
	62	5310	13.6
802.11ax HE80	58	5290	13.55
802.11ax HE160	50	5250	13.59

Conducted Power (Full)			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	13.59
	56	5280	13.59
	60	5300	13.61
	64	5320	13.55
802.11n HT20	52	5260	13.56
	56	5280	13.58
	60	5300	13.55
	64	5320	13.64
802.11n HT40	54	5270	13.56
	62	5310	13.69
802.11ac VHT20	52	5260	13.68
	56	5280	13.61
	60	5300	13.68
	64	5320	13.57
802.11ac VHT40	54	5270	13.56
	62	5310	13.68
802.11ac VHT80	58	5290	13.56
802.11ac VHT160	50	5250	13.83
802.11ax HE20	52	5260	13.7
	56	5280	13.63
	60	5300	13.56
	64	5320	13.67
802.11ax HE40	54	5270	13.61
	62	5310	13.65
802.11ax HE80	58	5290	13.69
802.11ax HE160	50	5250	13.68

Conducted Power (Full)			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	13.67
	116	5580	13.6
	120	5600	13.67
	124	5620	13.56
	132	5660	13.62
	140	5700	13.7
	144	5720	13.68
802.11n HT20	100	5500	13.55
	116	5580	13.66
	120	5600	13.58
	124	5620	13.56
	132	5660	13.68
	140	5700	13.6
	144	5720	13.63
802.11n HT40	102	5510	13.62
	110	5550	13.6
	118	5590	13.6
	126	5630	13.61
	134	5670	13.55
	142	5710	13.56
802.11ac VHT20	100	5500	13.62
	116	5580	13.66
	120	5600	13.68
	124	5620	13.64
	132	5660	13.66
	140	5700	13.68
	144	5720	13.65
802.11ac VHT40	102	5510	13.68
	110	5550	13.69
	118	5590	13.66
	126	5630	13.7
	134	5670	13.55
	142	5710	13.67
802.11ac VHT80	106	5530	13.64
	122	5610	13.66
	138	5690	13.85
802.11ac VHT160	114	5570	13.88
802.11ax HE20	100	5500	13.65
	116	5580	13.57
	120	5600	13.64
	124	5620	13.61
	132	5660	13.63
	140	5700	13.57
	144	5720	13.66
802.11ax HE40	102	5510	13.69
	110	5550	13.6
	118	5590	13.66
	126	5630	13.7
	134	5670	13.67
	142	5710	13.67
802.11ax HE80	106	5530	13.65
	122	5610	13.55
	138	5690	13.62
802.11ax HE160	114	5570	13.6

Conducted Power (Full)			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	13.84
	116	5580	13.69
	120	5600	13.66
	124	5620	13.69
	132	5660	13.7
	140	5700	13.61
	144	5720	13.58
802.11n HT20	100	5500	13.61
	116	5580	13.56
	120	5600	13.64
	124	5620	13.57
	132	5660	13.68
	140	5700	13.64
	144	5720	13.67
802.11n HT40	102	5510	13.65
	110	5550	13.59
	118	5590	13.59
	126	5630	13.66
	134	5670	13.58
	142	5710	13.59
802.11ac VHT20	100	5500	13.63
	116	5580	13.65
	120	5600	13.6
	124	5620	13.7
	132	5660	13.6
	140	5700	13.69
	144	5720	13.57
802.11ac VHT40	102	5510	13.7
	110	5550	13.59
	118	5590	13.64
	126	5630	13.64
	134	5670	13.67
	142	5710	13.57
802.11ac VHT80	106	5530	13.82
	122	5610	13.79
	138	5690	13.85
802.11ac VHT160	114	5570	13.96
802.11ax HE20	100	5500	13.62
	116	5580	13.66
	120	5600	13.67
	124	5620	13.55
	132	5660	13.67
	140	5700	13.63
	144	5720	13.61
802.11ax HE40	102	5510	13.7
	110	5550	13.62
	118	5590	13.6
	126	5630	13.61
	134	5670	13.84
	142	5710	13.69
802.11ax HE80	106	5530	13.66
	122	5610	13.69
	138	5690	13.7
802.11ax HE160	114	5570	13.61

Conducted Power (Full)			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	13.7
	153	5765	13.65
	157	5785	13.68
	161	5805	13.72
	165	5825	13.66
802.11n HT20	149	5745	13.67
	153	5765	13.68
	157	5785	13.64
	161	5805	13.7
	165	5825	13.62
802.11n HT40	151	5755	13.62
	159	5795	13.67
802.11ac VHT20	149	5745	13.6
	153	5765	13.65
	157	5785	13.64
	161	5805	13.63
	165	5825	13.61
802.11ac VHT40	151	5755	13.67
	159	5795	13.66
802.11ac VHT80	155	5775	13.74
802.11ax HE20	149	5745	13.67
	153	5765	13.64
	157	5785	13.73
	161	5805	13.65
	165	5825	13.69
802.11ax HE40	151	5755	13.62
	159	5795	13.65
802.11ax HE80	155	5775	13.73

Conducted Power (Full)			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	13.68
	153	5765	13.64
	157	5785	13.58
	161	5805	13.57
	165	5825	13.63
802.11n HT20	149	5745	13.55
	153	5765	13.7
	157	5785	13.63
	161	5805	13.59
	165	5825	13.64
802.11n HT40	151	5755	13.6
	159	5795	13.55
802.11ac VHT20	149	5745	13.67
	153	5765	13.58
	157	5785	13.61
	161	5805	13.65
	165	5825	13.7
802.11ac VHT40	151	5755	13.61
	159	5795	13.55
802.11ac VHT80	155	5775	13.79
802.11ax HE20	149	5745	13.61
	153	5765	13.63
	157	5785	13.62
	161	5805	13.58
	165	5825	13.57
802.11ax HE40	151	5755	13.66
	159	5795	13.63
802.11ax HE80	155	5775	13.65

Conducted Power (Full)			
WLAN 5.9GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	169	5845	13.84
	173	5865	13.84
	177	5885	13.74
802.11n HT20	169	5845	13.8
	173	5865	13.74
	177	5885	13.73
802.11n HT40	167	5835	13.83
	175	5875	13.77
802.11ac VHT20	169	5845	13.83
	173	5865	13.75
	177	5885	13.82
802.11ac VHT40	167	5835	13.84
	175	5875	13.74
802.11ac VHT80	171	5855	13.85
802.11ac VHT160	163	5815	13.89
802.11ax HE20	169	5845	13.77
	173	5865	13.78
	177	5885	13.8
802.11ax HE40	167	5835	13.8
	175	5875	13.83
802.11ax HE80	171	5855	13.76
802.11ax HE160	163	5815	13.72

Conducted Power (Full)			
WLAN 5.9GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	169	5845	13.76
	173	5865	13.83
	177	5885	13.76
802.11n HT20	169	5845	13.83
	173	5865	13.73
	177	5885	13.84
802.11n HT40	167	5835	13.73
	175	5875	13.81
802.11ac VHT20	169	5845	13.83
	173	5865	13.8
	177	5885	13.82
802.11ac VHT40	167	5835	13.73
	175	5875	13.71
802.11ac VHT80	171	5855	13.75
802.11ac VHT160	163	5815	13.88
802.11ax HE20	169	5845	13.79
	173	5865	13.71
	177	5885	13.8
802.11ax HE40	167	5835	13.83
	175	5875	13.83
802.11ax HE80	171	5855	13.71
802.11ax HE160	163	5815	13.79

Conducted Power (2T1S)_SP			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	1	5955	13.66
	5	5975	13.54
	9	5995	13.47
	13	6015	13.6
	17	6035	13.49
	21	6055	13.63
	25	6075	13.64
	29	6095	13.48
	33	6115	13.67
	37	6135	13.51
	41	6155	13.64
	45	6175	13.54
	49	6195	13.5
	53	6215	13.62
	57	6235	13.66
	61	6255	13.64
	65	6275	13.55
	69	6295	13.58
	73	6315	13.65
	77	6335	13.58
802.11ax HE20	81	6355	13.55
	85	6375	13.64
	89	6395	13.64
	93	6415	13.63
	1	5955	13.47
	5	5975	13.6
	9	5995	13.6
	13	6015	13.49
	17	6035	13.64
	21	6055	13.63
	25	6075	13.63
	29	6095	13.55
	33	6115	13.56
	37	6135	13.55
	41	6155	13.47
	45	6175	13.51
	49	6195	13.59
	53	6215	13.6
	57	6235	13.65
	61	6255	13.47
802.11ax HE40	65	6275	13.49
	69	6295	13.6
	73	6315	13.58
	77	6335	13.66
	81	6355	13.61
	85	6375	13.57
	89	6395	13.53
	93	6415	13.59
	3	5965	13.53
	11	6005	13.53
	19	6045	13.47
	27	6085	13.62
802.11ax HE80	35	6125	13.53
	43	6165	13.48
	51	6205	13.64
	59	6245	13.56
	67	6285	13.51
	75	6325	13.67
802.11ax HE160	83	6365	13.5
	91	6405	13.65
	7	5985	13.53
	23	6065	13.59
	39	6145	13.52
	55	6225	13.47
	71	6305	13.49
	87	6385	13.54
	15	6025	13.88
	47	6185	13.69
	79	6345	13.73

Conducted Power (2T1S)_SP			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	1	5955	13.58
	5	5975	13.48
	9	5995	13.62
	13	6015	13.5
	17	6035	13.47
	21	6055	13.62
	25	6075	13.51
	29	6095	13.65
	33	6115	13.6
	37	6135	13.56
	41	6155	13.49
	45	6175	13.67
	49	6195	13.54
	53	6215	13.57
	57	6235	13.55
	61	6255	13.6
	65	6275	13.65
	69	6295	13.49
	73	6315	13.66
	77	6335	13.62
802.11ax HE20	81	6355	13.54
	85	6375	13.53
	89	6395	13.47
	93	6415	13.48
	1	5955	13.55
	5	5975	13.59
	9	5995	13.58
	13	6015	13.52
	17	6035	13.59
	21	6055	13.49
	25	6075	13.57
	29	6095	13.64
	33	6115	13.48
	37	6135	13.53
	41	6155	13.5
	45	6175	13.63
	49	6195	13.54
	53	6215	13.48
	57	6235	13.47
	61	6255	13.51
802.11ax HE40	65	6275	13.66
	69	6295	13.58
	73	6315	13.59
	77	6335	13.59
	81	6355	13.61
	85	6375	13.62
	89	6395	13.65
	93	6415	13.67
	3	5965	13.67
	11	6005	13.64
	19	6045	13.62
	27	6085	13.6
802.11ax HE80	35	6125	13.54
	43	6165	13.49
	51	6205	13.48
	59	6245	13.62
	67	6285	13.59
	75	6325	13.61
802.11ax HE160	83	6365	13.6
	91	6405	13.57
	7	5985	13.61
	23	6065	13.61
	39	6145	13.63
	55	6225	13.6
	71	6305	13.61
	87	6385	13.54
	15	6025	13.85
	47	6185	13.65
	79	6345	13.78

Conducted Power (2T1S)_SP			
UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	117	6535	13.56
	121	6555	13.51
	125	6575	13.65
	129	6595	13.53
	133	6615	13.53
	137	6635	13.66
	141	6655	13.54
	145	6675	13.56
	149	6695	13.59
	153	6715	13.55
	157	6735	13.62
	161	6755	13.58
	165	6775	13.67
	169	6795	13.49
	173	6815	13.56
	177	6835	13.66
	181	6855	13.6
802.11ax HE20	117	6535	13.63
	121	6555	13.58
	125	6575	13.61
	129	6595	13.49
	133	6615	13.64
	137	6635	13.57
	141	6655	13.52
	145	6675	13.48
	149	6695	13.49
	153	6715	13.63
	157	6735	13.58
	161	6755	13.6
	165	6775	13.65
	169	6795	13.62
	173	6815	13.61
	177	6835	13.62
	181	6855	13.53
802.11ax HE40	123	6565	13.53
	131	6605	13.56
	139	6645	13.52
	147	6685	13.55
	155	6725	13.47
	163	6765	13.55
	171	6805	13.62
802.11ax HE80	179	6845	13.47
	135	6625	13.54
	151	6705	13.48
802.11ax HE160	167	6785	13.59
	143	6665	13.57

Conducted Power (2T1S)_SP			
UNII-7 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	117	6535	13.52
	121	6555	13.48
	125	6575	13.58
	129	6595	13.59
	133	6615	13.47
	137	6635	13.65
	141	6655	13.54
	145	6675	13.58
	149	6695	13.66
	153	6715	13.66
	157	6735	13.56
	161	6755	13.48
	165	6775	13.67
	169	6795	13.66
	173	6815	13.47
	177	6835	13.64
	181	6855	13.58
802.11ax HE20	117	6535	13.48
	121	6555	13.65
	125	6575	13.62
	129	6595	13.63
	133	6615	13.53
	137	6635	13.52
	141	6655	13.54
	145	6675	13.5
	149	6695	13.47
	153	6715	13.49
	157	6735	13.49
	161	6755	13.64
	165	6775	13.57
	169	6795	13.61
	173	6815	13.63
	177	6835	13.52
	181	6855	13.47
802.11ax HE40	123	6565	13.62
	131	6605	13.59
	139	6645	13.48
	147	6685	13.5
	155	6725	13.57
	163	6765	13.59
	171	6805	13.61
802.11ax HE80	179	6845	13.62
	135	6625	13.57
	151	6705	13.65
802.11ax HE160	167	6785	13.6
	143	6665	13.63

Conducted Power (2T1S)_LPI			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	1	5955	0.6
	5	5975	0.55
	9	5995	0.52
	13	6015	0.48
	17	6035	0.54
	21	6055	0.6
	25	6075	0.47
	29	6095	0.51
	33	6115	0.48
	37	6135	0.58
	41	6155	0.52
	45	6175	0.44
	49	6195	0.59
	53	6215	0.51
	57	6235	0.45
	61	6255	0.45
	65	6275	0.57
	69	6295	0.55
	73	6315	0.54
	77	6335	0.47
802.11ax HE20	81	6355	0.56
	85	6375	0.52
	89	6395	0.5
	93	6415	0.63
	1	5955	1.08
	5	5975	1.18
	9	5995	1.09
	13	6015	1.12
	17	6035	1.19
	21	6055	1.07
	25	6075	1.14
	29	6095	1.06
	33	6115	1.08
	37	6135	1.2
	41	6155	1.12
	45	6175	1.14
	49	6195	0.84
	53	6215	0.88
	57	6235	0.94
	61	6255	0.81
802.11ax HE40	65	6275	0.91
	69	6295	1.05
	73	6315	0.98
	77	6335	0.88
	81	6355	0.83
	85	6375	1.05
	89	6395	1.1
	93	6415	0.85
	3	5965	4.06
	11	6005	3.67
802.11ax HE80	19	6045	3.83
	27	6085	3.7
	35	6125	3.88
	43	6165	3.54
	51	6205	3.78
	59	6245	3.58
	67	6285	3.83
	75	6325	3.7
	83	6365	3.56
	91	6405	3.88
802.11ax HE160	7	5985	7.07
	23	6065	6.76
	39	6145	6.28
	55	6225	6.89
	71	6305	6.78
	87	6385	6.94
	15	6025	9.79
	47	6185	9.47
	79	6345	9.53

Conducted Power (2T1S)_LPI			
UNII-5 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	1	5955	0.54
	5	5975	0.64
	9	5995	0.7
	13	6015	0.7
	17	6035	0.6
	21	6055	0.66
	25	6075	0.66
	29	6095	0.69
	33	6115	0.57
	37	6135	0.67
	41	6155	0.6
	45	6175	0.64
	49	6195	0.69
	53	6215	0.59
	57	6235	0.68
	61	6255	0.56
	65	6275	0.62
	69	6295	0.67
	73	6315	0.67
	77	6335	0.61
802.11ax HE20	81	6355	0.57
	85	6375	0.58
	89	6395	0.6
	93	6415	0.66
	1	5955	1.56
	5	5975	1.58
	9	5995	1.63
	13	6015	1.58
	17	6035	1.6
	21	6055	1.59
	25	6075	1.67
	29	6095	1.64
	33	6115	1.68
	37	6135	1.57
	41	6155	1.67
	45	6175	1.61
	49	6195	1.55
	53	6215	1.56
	57	6235	1.62
	61	6255	1.58
802.11ax HE40	65	6275	1.7
	69	6295	1.56
	73	6315	1.67
	77	6335	1.62
	81	6355	1.59
	85	6375	1.57
	89	6395	1.56
	93	6415	1.65
	3	5965	2.57
	11	6005	3.63
	19	6045	3.67
	27	6085	3.63
802.11ax HE80	35	6125	3.61
	43	6165	3.68
	51	6205	3.56
	59	6245	3.6
	67	6285	3.62
	75	6325	3.63
	83	6365	3.64
	91	6405	3.45
802.11ax HE160	7	5985	6.42
	23	6065	6.98
	39	6145	7.12
	55	6225	7.09
	71	6305	7.16
	87	6385	6.92
	15	6025	9.08
	47	6185	9.42
	79	6345	9.66

Conducted Power (2T1S)_LPI			
UNII-6 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	97	6435	2.13
	101	6455	1.29
	105	6475	0.99
	109	6495	1.37
	113	6515	1.69
802.11ax HE20	97	6435	1.55
	101	6455	1.58
	105	6475	1.65
	109	6495	1.65
	113	6515	1.67
802.11ax HE40	99	6445	4.05
	107	6485	3.59
	115	6525	4.08
802.11ax HE80	103	6465	7.05
	119	6545	7.03
802.11ax HE160	111	6505	9.84

Conducted Power (2T1S)_LPI			
UNII-6 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	97	6435	0.44
	101	6455	0.88
	105	6475	1.1
	109	6495	0.9
	113	6515	0.86
802.11ax HE20	97	6435	2.11
	101	6455	2.1
	105	6475	2.18
	109	6495	2.19
	113	6515	2.11
802.11ax HE40	99	6445	3.68
	107	6485	4.12
	115	6525	3.62
802.11ax HE80	103	6465	7.14
	119	6545	7.51
802.11ax HE160	111	6505	9.92

Conducted Power (2T1S)_LPI			
UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	117	6535	0.85
	121	6555	0.62
	125	6575	0.73
	129	6595	0.67
	133	6615	0.73
	137	6635	0.62
	141	6655	0.65
	145	6675	0.75
	149	6695	0.71
	153	6715	0.97
	157	6735	0.82
	161	6755	0.7
	165	6775	0.72
	169	6795	0.85
	173	6815	0.82
	177	6835	0.62
	181	6855	0.62
	185	6875	1.07
802.11ax HE20	117	6535	0.85
	121	6555	0.61
	125	6575	0.9
	129	6595	0.65
	133	6615	0.64
	137	6635	0.79
	141	6655	0.79
	145	6675	0.63
	149	6695	0.74
	153	6715	0.97
	157	6735	0.63
	161	6755	0.85
	165	6775	0.76
	169	6795	0.73
	173	6815	0.75
	177	6835	0.71
	181	6855	0.62
	185	6875	1.4
802.11ax HE40	123	6565	3.16
	131	6605	3.37
	139	6645	3.35
	147	6685	3.2
	155	6725	3.43
	163	6765	3.25
	171	6805	3.36
	179	6845	3.38
802.11ax HE80	187	6885	4.1
	135	6625	7.16
	151	6705	6.08
	167	6785	6.65
802.11ax HE160	183	6865	7.17
	143	6665	9.05
	175	6825	10.33

Conducted Power (2T1S)_LPI			
UNII-7 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	117	6535	0.79
	121	6555	0.65
	125	6575	0.57
	129	6595	0.66
	133	6615	0.65
	137	6635	0.58
	141	6655	0.61
	145	6675	0.68
	149	6695	0.58
	153	6715	0.77
	157	6735	0.68
	161	6755	0.59
	165	6775	0.61
	169	6795	0.68
	173	6815	0.7
	177	6835	0.67
	181	6855	0.51
	185	6875	0.67
802.11ax HE20	117	6535	0.69
	121	6555	0.8
	125	6575	0.78
	129	6595	0.74
	133	6615	0.76
	137	6635	0.85
	141	6655	0.75
	145	6675	0.89
	149	6695	0.61
	153	6715	0.77
	157	6735	0.66
	161	6755	0.81
	165	6775	0.66
	169	6795	0.81
	173	6815	0.72
	177	6835	0.74
	181	6855	0.51
	185	6875	0.9
802.11ax HE40	123	6565	3.59
	131	6605	3.7
	139	6645	3.55
	147	6685	3.62
	155	6725	3.38
	163	6765	3.66
	171	6805	3.55
	179	6845	3.43
802.11ax HE80	187	6885	3.65
	135	6625	7.14
	151	6705	6.19
	167	6785	6.07
802.11ax HE160	183	6865	6.49
	143	6665	9.85
	175	6825	8.3

Conducted Power (2T1S)_LPI			
UNII-8 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	189	6895	1.09
	193	6915	1.12
	197	6935	1.15
	201	6955	1.06
	205	6975	1.06
	209	6995	1.2
	213	7015	1.05
	217	7035	1.05
	221	7055	1.16
	225	7075	1.07
	229	7095	1.14
	233	7115	0.64
802.11ax HE20	189	6895	2.06
	193	6915	2.09
	197	6935	2.09
	201	6955	2.11
	205	6975	2.05
	209	6995	2.12
	213	7015	2.1
	217	7035	2.06
	221	7055	2.09
	225	7075	2.05
	229	7095	2.12
	233	7115	1.45
802.11ax HE40	195	6925	3.79
	203	6965	3.81
	211	7005	3.61
	219	7045	3.98
	227	7085	4.17
802.11ax HE80	199	6945	7.1
	215	7025	6.2
802.11ax HE160	207	6985	9.68

Conducted Power (2T1S)_LPI			
UNII-8 Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	189	6895	1.27
	193	6915	1.05
	197	6935	1.18
	201	6955	1.34
	205	6975	1.16
	209	6995	1.24
	213	7015	1.22
	217	7035	1.31
	221	7055	1.21
	225	7075	1.08
	229	7095	1.32
	233	7115	1.6
802.11ax HE20	189	6895	1.94
	193	6915	2.03
	197	6935	1.7
	201	6955	1.96
	205	6975	1.99
	209	6995	1.96
	213	7015	1.97
	217	7035	2.66
	221	7055	2.63
	225	7075	2.57
	229	7095	2.55
	233	7115	2.6
802.11ax HE40	195	6925	4.13
	203	6965	4.17
	211	7005	4.5
	219	7045	4.23
	227	7085	3.9
802.11ax HE80	199	6945	7.13
	215	7025	7.98
802.11ax HE160	207	6985	10.44

Conducted Power (1T1S)_SP			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 &1 Avg. Power
802.11a	1	5955	13.49
	5	5975	13.47
	9	5995	13.45
	13	6015	13.51
	17	6035	13.41
	21	6055	13.47
	25	6075	13.46
	29	6095	13.57
	33	6115	13.52
	37	6135	13.59
	41	6155	13.44
	45	6175	13.6
	49	6195	13.55
	53	6215	13.57
	57	6235	13.51
	61	6255	13.6
	65	6275	13.51
	69	6295	13.55
	73	6315	13.46
	77	6335	13.5
	81	6355	13.44
	85	6375	13.55
	89	6395	13.57
	93	6415	13.57
802.11ax HE160	15	6025	13.85
	47	6185	13.77
	79	6345	13.73

Conducted Power (1T1S)_SP			
UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 &1 Avg. Power
802.11a	117	6535	13.47
	121	6555	13.57
	125	6575	13.6
	129	6595	13.49
	133	6615	13.5
	137	6635	13.58
	141	6655	13.58
	145	6675	13.47
	149	6695	13.44
	153	6715	13.57
	157	6735	13.58
	161	6755	13.58
	165	6775	13.51
	169	6795	13.52
	173	6815	13.43
	177	6835	13.52
	181	6855	13.58
802.11ax HE160	143	6665	13.43

Conducted Power (1T1S)_LPI			
UNII-5 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 &1 Avg. Power
802.11ax HE160	15	6025	12.44
	47	6185	12.46
	79	6345	12.59

Conducted Power (1T1S)_LPI			
UNII-6 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 &1 Avg. Power
802.11ax HE160	111	6505	12.82

Conducted Power (1T1S)_LPI			
UNII-7 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 &1 Avg. Power
802.11ax HE160	143	6665	12.45
	175	6825	12.43

Conducted Power (1T1S)_LPI			
UNII-8 Ant 0			
Mode	Channel	Frequency	SISO Ant 0 &1 Avg. Power
802.11ax HE160	207	6985	12.85

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

Body SAR Test Result

System & Position						DUT Configuration	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Status	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)
1	WLAN2.4G	802.11b	Front Face	5	6	Ant 0	100.00	1.00	15.50	15.33	1.04	0.11	0.155	0.16
	WLAN2.4G	802.11b	Rear Face	5	6	Ant 0	100.00	1.00	15.50	15.33	1.04	0.02	0.342	0.36
	WLAN2.4G	802.11b	Left Side	5	6	Ant 0	100.00	1.00	15.50	15.33	1.04	-0.15	0.077	0.08
	WLAN2.4G	802.11b	Right Side	5	6	Ant 0	100.00	1.00	15.50	15.33	1.04	0.09	0.009	0.01
	WLAN2.4G	802.11b	Top Side	5	6	Ant 0	100.00	1.00	15.50	15.33	1.04	-0.11	0.011	0.01
	WLAN2.4G	802.11b	Bottom Side	5	6	Ant 0	100.00	1.00	15.50	15.33	1.04	-0.19	0.104	0.11
	WLAN2.4G	802.11b	Front Face	5	6	Ant 1	100.00	1.00	15.50	15.26	1.06	-0.09	0.122	0.13
	WLAN2.4G	802.11b	Rear Face	5	6	Ant 1	100.00	1.00	15.50	15.26	1.06	-0.01	0.307	0.33
	WLAN2.4G	802.11b	Left Side	5	6	Ant 1	100.00	1.00	15.50	15.26	1.06	-0.05	0.053	0.06
	WLAN2.4G	802.11b	Right Side	5	6	Ant 1	100.00	1.00	15.50	15.26	1.06	-0.1	0.009	0.01
	WLAN2.4G	802.11b	Top Side	5	6	Ant 1	100.00	1.00	15.50	15.26	1.06	0.15	0.01	0.01
	WLAN2.4G	802.11b	Bottom Side	5	6	Ant 1	100.00	1.00	15.50	15.26	1.06	0.11	0.082	0.09
	WLAN2.4G	802.11b	Rear Face	5	1	Ant 0	100.00	1.00	15.50	15.28	1.05	-0.09	0.287	0.30
	WLAN2.4G	802.11b	Rear Face	5	11	Ant 0	100.00	1.00	15.50	15.19	1.07	0.03	0.29	0.31
	WLAN2.4G	802.11b	Rear Face	5	12	Ant 0	100.00	1.00	15.50	15.18	1.08	0.14	0.284	0.31
	WLAN2.4G	802.11b	Rear Face	5	13	Ant 0	100.00	1.00	14.00	13.59	1.10	0.06	0.185	0.20
2	WLAN5.3G	802.11ac VHT160	Front Face	5	50	Ant 0	100.00	1.00	14.00	13.79	1.05	0.18	0.311	0.33
	WLAN5.3G	802.11ac VHT160	Rear Face	5	50	Ant 0	100.00	1.00	14.00	13.79	1.05	0.02	0.568	0.60
	WLAN5.3G	802.11ac VHT160	Left Side	5	50	Ant 0	100.00	1.00	14.00	13.79	1.05	0.02	0.551	0.58
	WLAN5.3G	802.11ac VHT160	Right Side	5	50	Ant 0	100.00	1.00	14.00	13.79	1.05	-0.06	0.028	0.03
	WLAN5.3G	802.11ac VHT160	Top Side	5	50	Ant 0	100.00	1.00	14.00	13.79	1.05	-0.05	0.021	0.02
	WLAN5.3G	802.11ac VHT160	Bottom Side	5	50	Ant 0	100.00	1.00	14.00	13.79	1.05	0.18	0.1	0.11
	WLAN5.3G	802.11ac VHT160	Front Face	5	50	Ant 1	100.00	1.00	14.00	13.83	1.04	0.04	0.332	0.35
	WLAN5.3G	802.11ac VHT160	Rear Face	5	50	Ant 1	100.00	1.00	14.00	13.83	1.04	0.02	0.663	0.69
	WLAN5.3G	802.11ac VHT160	Left Side	5	50	Ant 1	100.00	1.00	14.00	13.83	1.04	0.16	0.584	0.61
	WLAN5.3G	802.11ac VHT160	Right Side	5	50	Ant 1	100.00	1.00	14.00	13.83	1.04	-0.06	0.019	0.02
	WLAN5.3G	802.11ac VHT160	Top Side	5	50	Ant 1	100.00	1.00	14.00	13.83	1.04	0.13	0.028	0.03
	WLAN5.3G	802.11ac VHT160	Bottom Side	5	50	Ant 1	100.00	1.00	14.00	13.83	1.04	-0.05	0.137	0.14

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 VHT160	Front Face	5	114	Ant 0	100.00	1.00	14.00	13.88	1.03	0.13	0.318	0.33
	WLAN5.6G	802.11ac VHT160	Rear Face	5	114	Ant 0	100.00	1.00	14.00	13.88	1.03	0.06	0.637	0.66
	WLAN5.6G	802.11ac VHT160	Left Side	5	114	Ant 0	100.00	1.00	14.00	13.88	1.03	0.02	0.569	0.59
	WLAN5.6G	802.11ac VHT160	Right Side	5	114	Ant 0	100.00	1.00	14.00	13.88	1.03	-0.06	0.041	0.04
	WLAN5.6G	802.11ac VHT160	Top Side	5	114	Ant 0	100.00	1.00	14.00	13.88	1.03	0.15	0.32	0.33
	WLAN5.6G	802.11ac VHT160	Bottom Side	5	114	Ant 0	100.00	1.00	14.00	13.88	1.03	-0.06	0.124	0.13
	WLAN5.6G	802.11ac VHT160	Front Face	5	114	Ant 1	100.00	1.00	14.00	13.96	1.01	0.06	0.355	0.36
3	WLAN5.6G	802.11ac VHT160	Rear Face	5	114	Ant 1	100.00	1.00	14.00	13.96	1.01	-0.08	0.659	0.67
	WLAN5.6G	802.11ac VHT160	Left Side	5	114	Ant 1	100.00	1.00	14.00	13.96	1.01	0.1	0.591	0.60
	WLAN5.6G	802.11ac VHT160	Right Side	5	114	Ant 1	100.00	1.00	14.00	13.96	1.01	-0.16	0.045	0.05
	WLAN5.6G	802.11ac VHT160	Top Side	5	114	Ant 1	100.00	1.00	14.00	13.96	1.01	-0.09	0.049	0.05
	WLAN5.6G	802.11ac VHT160	Bottom Side	5	114	Ant 1	100.00	1.00	14.00	13.96	1.01	0.04	0.158	0.16
	WLAN5.8G	802.11ac VHT80	Front Face	5	155	Ant 0	100.00	1.00	14.00	13.74	1.06	0.14	0.224	0.24
	WLAN5.8G	802.11ac VHT80	Rear Face	5	155	Ant 0	100.00	1.00	14.00	13.74	1.06	0.06	0.585	0.62
	WLAN5.8G	802.11ac VHT80	Left Side	5	155	Ant 0	100.00	1.00	14.00	13.74	1.06	0.12	0.562	0.60
	WLAN5.8G	802.11ac VHT80	Right Side	5	155	Ant 0	100.00	1.00	14.00	13.74	1.06	-0.12	0.029	0.03
	WLAN5.8G	802.11ac VHT80	Top Side	5	155	Ant 0	100.00	1.00	14.00	13.74	1.06	0.07	0.052	0.06
	WLAN5.8G	802.11ac VHT80	Bottom Side	5	155	Ant 0	100.00	1.00	14.00	13.74	1.06	-0.05	0.128	0.14
	WLAN5.8G	802.11ac VHT80	Front Face	5	155	Ant 1	100.00	1.00	14.00	13.79	1.05	0.11	0.358	0.38
5	WLAN5.8G	802.11ac VHT80	Rear Face	5	155	Ant 1	100.00	1.00	14.00	13.79	1.05	0.06	0.698	0.73
	WLAN5.8G	802.11ac VHT80	Left Side	5	155	Ant 1	100.00	1.00	14.00	13.79	1.05	-0.06	0.679	0.71
	WLAN5.8G	802.11ac VHT80	Right Side	5	155	Ant 1	100.00	1.00	14.00	13.79	1.05	0.05	0.031	0.03
	WLAN5.8G	802.11ac VHT80	Top Side	5	155	Ant 1	100.00	1.00	14.00	13.79	1.05	0.12	0.041	0.04
	WLAN5.8G	802.11ac VHT80	Bottom Side	5	155	Ant 1	100.00	1.00	14.00	13.79	1.05	0.19	0.146	0.15

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)
6	WLAN5.9G	802.11ac VHT160	Front Face	5	163	Ant 0	99.00	1.01	14.00	13.89	1.03	-0.03	0.39	0.41
	WLAN5.9G	802.11ac VHT160	Rear Face	5	163	Ant 0	99.00	1.01	14.00	13.89	1.03	-0.01	0.708	0.74
	WLAN5.9G	802.11ac VHT160	Left Side	5	163	Ant 0	99.00	1.01	14.00	13.89	1.03	-0.04	0.685	0.71
	WLAN5.9G	802.11ac VHT160	Right Side	5	163	Ant 0	99.00	1.01	14.00	13.89	1.03	-0.13	0.032	0.03
	WLAN5.9G	802.11ac VHT160	Top Side	5	163	Ant 0	99.00	1.01	14.00	13.89	1.03	0.06	0.05	0.05
	WLAN5.9G	802.11ac VHT160	Bottom Side	5	163	Ant 0	99.00	1.01	14.00	13.89	1.03	0.17	0.133	0.14
	WLAN5.9G	802.11ac VHT160	Front Face	5	163	Ant 1	99.00	1.01	14.00	13.88	1.03	0.17	0.302	0.31
	WLAN5.9G	802.11ac VHT160	Rear Face	5	163	Ant 1	99.00	1.01	14.00	13.88	1.03	0.06	0.626	0.65
7	WLAN5.9G	802.11ac VHT160	Left Side	5	163	Ant 1	99.00	1.01	14.00	13.88	1.03	0.01	0.589	0.61
	WLAN5.9G	802.11ac VHT160	Right Side	5	163	Ant 1	99.00	1.01	14.00	13.88	1.03	0.1	0.026	0.03
	WLAN5.9G	802.11ac VHT160	Top Side	5	163	Ant 1	99.00	1.01	14.00	13.88	1.03	0.17	0.046	0.05
	WLAN5.9G	802.11ac VHT160	Bottom Side	5	163	Ant 1	99.00	1.01	14.00	13.88	1.03	0.14	0.114	0.12
	BT	BR / EDR	Front Face	5	0	Ant 1	76.80	1.30	11.50	11.43	1.02	0.04	0.076	0.10
	BT	BR / EDR	Rear Face	5	0	Ant 1	76.80	1.30	11.50	11.43	1.02	-0.02	0.093	0.12
	BT	BR / EDR	Left Side	5	0	Ant 1	76.80	1.30	11.50	11.43	1.02	-0.03	0.038	0.05
	BT	BR / EDR	Right Side	5	0	Ant 1	76.80	1.30	11.50	11.43	1.02	-0.19	0.00494	0.01
	BT	BR / EDR	Top Side	5	0	Ant 1	76.80	1.30	11.50	11.43	1.02	-0.18	0.00564	0.01
	BT	BR / EDR	Bottom Side	5	0	Ant 1	76.80	1.30	11.50	11.43	1.02	-0.13	0.051	0.07
	BT	BR / EDR	Rear Face	5	39	Ant 1	76.80	1.30	11.50	11.36	1.03	0.06	0.039	0.05
	BT	BR / EDR	Rear Face	5	78	Ant 1	76.80	1.30	11.50	11.32	1.04	-0.11	0.04	0.05

SAR and Power Density Test Result																											
System & Position						DUT Configuration			SAR										Power Density								
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Power Type	Ant Status	Power mode	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]
8	WLAN6G	802.11ax HE160	Front Face	5	15	SP	Ant 0	2T1S	100.00	1.00	14.50	13.88	1.15	0.15	0.274	0.32	1.82	2.09									
	WLAN6G	802.11ax HE160	Rear Face	5	15	SP	Ant 0	2T1S	100.00	1.00	14.50	13.88	1.15	0.09	0.652	0.75	4.33	4.98	0.125	1.46	1.545	4.00	-0.04	2.22	3.43	2.71	4.81
	WLAN6G	802.11ax HE160	Left Side	5	15	SP	Ant 0	2T1S	100.00	1.00	14.50	13.88	1.15	-0.07	0.572	0.66	3.8	4.37									
	WLAN6G	802.11ax HE160	Right Side	5	15	SP	Ant 0	2T1S	100.00	1.00	14.50	13.88	1.15	0.04	0.021	0.02	0.142	0.16									
	WLAN6G	802.11ax HE160	Top Side	5	15	SP	Ant 0	2T1S	100.00	1.00	14.50	13.88	1.15	-0.05	0.058	0.07	0.386	0.44									
	WLAN6G	802.11ax HE160	Bottom Side	5	15	SP	Ant 0	2T1S	100.00	1.00	14.50	13.88	1.15	-0.13	0.068	0.08	0.452	0.52									
	WLAN6G	802.11ax HE160	Front Face	5	15	SP	Ant 1	2T1S	100.00	1.00	14.50	13.85	1.16	-0.07	0.256	0.30	1.7	1.97									
	WLAN6G	802.11ax HE160	Rear Face	5	15	SP	Ant 1	2T1S	100.00	1.00	14.50	13.85	1.16	-0.18	0.613	0.71	4.27	4.95	0.125	1.43	1.545	4.00	-0.03	1.98	3.06	2.10	3.76
	WLAN6G	802.11ax HE160	Left Side	5	15	SP	Ant 1	2T1S	100.00	1.00	14.50	13.85	1.16	-0.13	0.568	0.66	3.77	4.37									
	WLAN6G	802.11ax HE160	Right Side	5	15	SP	Ant 1	2T1S	100.00	1.00	14.50	13.85	1.16	0.13	0.014	0.02	0.092	0.11									
	WLAN6G	802.11ax HE160	Top Side	5	15	SP	Ant 1	2T1S	100.00	1.00	14.50	13.85	1.16	0.08	0.049	0.06	0.325	0.38									
	WLAN6G	802.11ax HE160	Bottom Side	5	15	SP	Ant 1	2T1S	100.00	1.00	14.50	13.85	1.16	0.02	0.059	0.07	0.391	0.45									
	WLAN6G	802.11ax HE160	Front Face	5	15	SP	Ant 0	1T1S	100.00	1.00	14.50	13.85	1.16	0.18	0.234	0.27	1.55	1.8									
	WLAN6G	802.11ax HE160	Rear Face	5	15	SP	Ant 0	1T1S	100.00	1.00	14.50	13.85	1.16	0.07	0.641	0.74	4.25	4.93	0.125	1.45	1.545	4.00	0.05	1.97	3.04	2.07	3.71
	WLAN6G	802.11ax HE160	Left Side	5	15	SP	Ant 0	1T1S	100.00	1.00	14.50	13.85	1.16	-0.01	0.564	0.65	3.74	4.34									
	WLAN6G	802.11ax HE160	Right Side	5	15	SP	Ant 0	1T1S	100.00	1.00	14.50	13.85	1.16	-0.11	0.014	0.02	0.092	0.11									
	WLAN6G	802.11ax HE160	Top Side	5	15	SP	Ant 0	1T1S	100.00	1.00	14.50	13.85	1.16	-0.03	0.049	0.06	0.325	0.38									
	WLAN6G	802.11ax HE160	Bottom Side	5	15	SP	Ant 0	1T1S	100.00	1.00	14.50	13.85	1.16	0.01	0.059	0.07	0.391	0.45									
	WLAN6G	802.11ax HE160	Front Face	5	15	SP	Ant 1	1T1S	100.00	1.00	14.50	13.85	1.16	-0.15	0.233	0.27	1.54	1.79									
	WLAN6G	802.11ax HE160	Rear Face	5	15	SP	Ant 1	1T1S	100.00	1.00	14.50	13.85	1.16	-0.16	0.607	0.70	4.16	4.83	0.125	1.40	1.545	4.00	0.02	1.94	3	2.03	3.64
	WLAN6G	802.11ax HE160	Left Side	5	15	SP	Ant 1	1T1S	100.00	1.00	14.50	13.85	1.16	0.01	0.483	0.56	3.2	3.71									
	WLAN6G	802.11ax HE160	Right Side	5	15	SP	Ant 1	1T1S	100.00	1.00	14.50	13.85	1.16	0.12	0.014	0.02	0.092	0.11									
	WLAN6G	802.11ax HE160	Top Side	5	15	SP	Ant 1	1T1S	100.00	1.00	14.50	13.85	1.16	0.18	0.048	0.06	0.318	0.37									
	WLAN6G	802.11ax HE160	Bottom Side	5	15	SP	Ant 1	1T1S	100.00	1.00	14.50	13.85	1.16	-0.06	0.057	0.07	0.378	0.44									
	WLAN6G	802.11ax HE160	Rear Face	5	47	SP	Ant 0	2T1S	100.00	1.00	14.50	13.69	1.21	0.19	0.575	0.70	3.98	4.82	0.125	1.44	1.545	4.00	-0.06	1.99	3.07	2.09	3.91
	WLAN6G	802.11ax HE160	Rear Face	5	79	SP	Ant 0	2T1S	100.00	1.00	14.50	13.73	1.19	-0.12	0.574	0.68	3.91	4.65									
	WLAN6G	802.11ax HE160	Rear Face	5	111	LPI	Ant 0	2T1S	100.00	1.00	10.00	9.84	1.04	0.13	0.216	0.22	1.82	1.89									
	WLAN6G	802.11ax HE160	Rear Face	5	143	SP	Ant 0	2T1S	100.00	1.00	14.50	13.57	1.24	-0.08	0.555	0.69	3.78	4.69									
	WLAN6G	802.11ax HE160	Rear Face	5	207	LPI	Ant 0	2T1S	100.00	1.00	10.00	9.68	1.08	-0.07	0.201	0.22	1.79	1.93									

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

The analysis of simultaneous transmission SAR are shown as below.

<Possibilities of Simultaneous Transmission>

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

Simultaneous TX Combination	Capable Transmit Configurations	Body Exposure Condition
A	WLAN 5G Ant 0+ WLAN 5G Ant 1+BT	Yes
B	WLAN 6G Ant 0+ WLAN 6G Ant 1+BT	Yes

Notes

1. The WLAN 2.4G and WLAN 5G and WLAN 6G cannot transmit simultaneously.

Simultaneous Transmission SAR Evaluation							
Position	1	2	3	4	5	A(1+2+5)	B(3+4+5)
	Max WLAN 5GHz Ant 0	Max WLAN 5GHz Ant 1	Max WLAN 6GHz Ant 0	Max WLAN 6GHz Ant 1	Max BT Ant 1	Summing result 1g SAR W/kg	Summing result 1g SAR W/kg
	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg		
Front Face	0.41	0.38	0.32	0.30	0.10	0.89	0.72
Rear Face	0.74	0.73	0.75	0.71	0.12	1.59	1.58
Left Side	0.71	0.71	0.66	0.66	0.05	1.47	1.37
Right Side	0.04	0.05	0.02	0.02	0.01	0.10	0.05
Top Side	0.33	0.05	0.07	0.06	0.01	0.39	0.14
Bottom Side	0.14	0.16	0.08	0.07	0.07	0.37	0.22

Total Exposure Ratio (Body)				
Position	3	4	5	B(3+4+5)
	Max WLAN 6GHz Ant 0	Max WLAN 6GHz Ant 1	Max BT Ant 1	Total Exposure Ratio
	4cm ² W/m ²	4cm ² W/m ²	1g SAR W/kg	
Front Face	0.00	0.00	0.10	0.06
Rear Face	4.81	3.76	0.12	0.93
Left Side	0.00	0.00	0.05	0.03
Right Side	0.00	0.00	0.01	0.01
Top Side	0.00	0.00	0.01	0.01
Bottom Side	0.00	0.00	0.07	0.04

Appendix J. Calibration of Test Equipment List

Calibration of Test Equipment List are shown as below.

Equipment for SAR Test

Equipment	Manufacturer	Model	SN	Cal. Date	Cal. Interval
System Validation Dipole	SPEAG	D2450V2	737	Feb. 19, 2024	1 Year
System Validation Dipole	SPEAG	D5GHzV2	1019	Feb. 13, 2024	1 Year
System Validation Dipole	SPEAG	D5GHzV2	1203	Dec. 14, 2023	1 Year
System Validation Dipole	SPEAG	D6.5GHzV2	1008	Sep. 21, 2023	1 Year
System Verification Source	SPEAG	5G Verification Source 10 GHz	1025	Jan. 18, 2024	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7778	Nov. 22, 2023	1 Year
E-Field Probe	SPEAG	EUmmWV4	9438	Jul. 19, 2024	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1431	Jul. 16, 2024	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1762	Nov. 17, 2023	1 Year
Analog Signal Generator	R&S	SMA100B	104417	Oct. 23, 2023	1 Year
Mini-Circuits Wideband Amplifier	Mini-Circuits	ZVA-183-S+	434502031A	Jun. 26, 2024	1 Year
Power Meter	Anritsu	ML2495A	1232001	Jan. 05, 2024	1 Year
Power Sensor	Anritsu	MA2411B	1207334	Jan. 05, 2024	1 Year
Universal Wireless Test Set	Anritsu	MT8870A	6262411397	Dec. 04, 2023	1 Year
Dielectric Assessment Kit	SPEAG	DAKS-3.5	1092	May 23, 2024	1 Year
Dielectric Assessment Kit	SPEAG	DAKS_VNA R140	0010917	May 23, 2024	1 Year
Powersource1	SPEAG	SE_UMS_160 BA	4263	Jan. 17, 2024	1 Year

Appendix K. Considerations Related to Bluetooth for Setup and Testing

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

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

The duty factor of Bluetooth signal are shown as below.

<Time-domain plot for Bluetooth transmission signal>



Time-domain plot for Bluetooth transmission signal

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

$$\text{Duty Factor} = \text{Pulse Width} / \text{Total Period} = (8.81 - 5.93) / (9.68 - 5.93) = 76.80\%$$