

Appendix A. Plots of System Verification

Plots of System Verification

Measurement Report

S01 System Check_H2450_260721

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	6.59	1.80	39.1

Hardware Setup

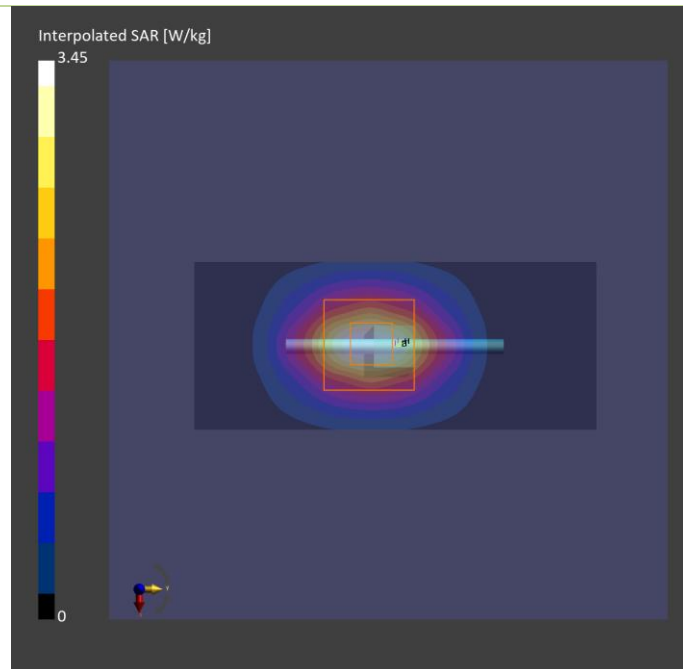
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H19T27N9 , 2026-07-21	EX3DV4 - SN7778, 2025-11-07	DAE4 Sn1761, 2025-09-11

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	2026-07-21	2026-07-21
psSAR1g [W/kg]	2.67	2.63
psSAR10g [W/kg]	1.26	1.27
Power Drift [dB]	-0.03	-0.00
M2/M1 [%]		83.8
Dist 3dB Peak [mm]		9.0



Plots of System Verification

Measurement Report

S02 System Check_H5250_260721

Device under Test Properties

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	,		CW, 0--	5250.000, 0	4.98	4.51	35.6

Hardware Setup

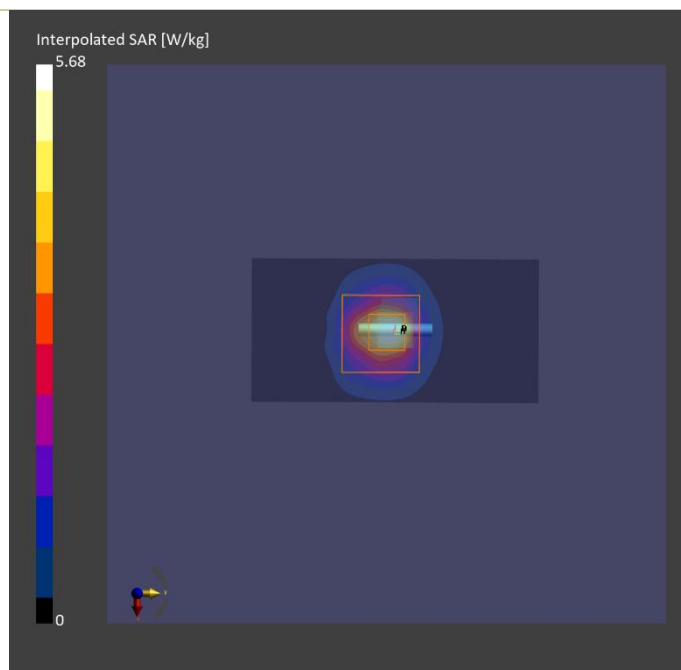
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H50T60N9 , 2026-07-21	EX3DV4 - SN7778, 2025-11-07	DAE4 Sn1761, 2025-09-11

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	2026-07-21	2026-07-21
psSAR1g [W/kg]	3.73	4.16
psSAR10g [W/kg]	1.12	1.25
Power Drift [dB]	0.17	0.08
M2/M1 [%]		66.1
Dist 3dB Peak [mm]		7.4



Plots of System Verification

Measurement Report

S03 System Check_H5600_260721

Device under Test Properties

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	,		CW, 0--	5600.000, 0	4.56	4.89	35.0

Hardware Setup

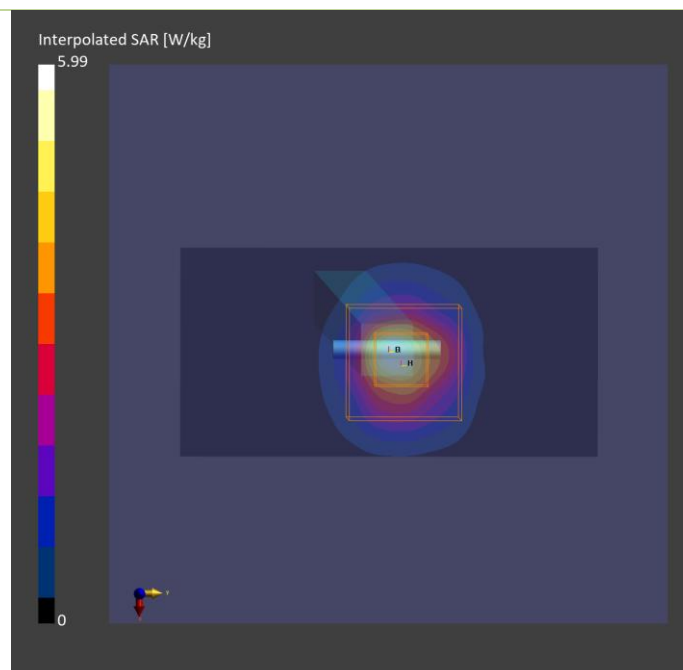
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H50T60N9 , 2026-07-21	EX3DV4 - SN7778, 2025-11-07	DAE4 Sn1761, 2025-09-11

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	2026-07-21	2026-07-21
psSAR1g [W/kg]	3.91	4.24
psSAR10g [W/kg]	1.15	1.26
Power Drift [dB]	0.05	0.01
M2/M1 [%]		60.3
Dist 3dB Peak [mm]		7.6



Plots of System Verification

Measurement Report

S04 System Check_H5800_260818

Device under Test Properties

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	,		CW, 0--	5800.0, 0	5.04	5.22	36.3

Hardware Setup

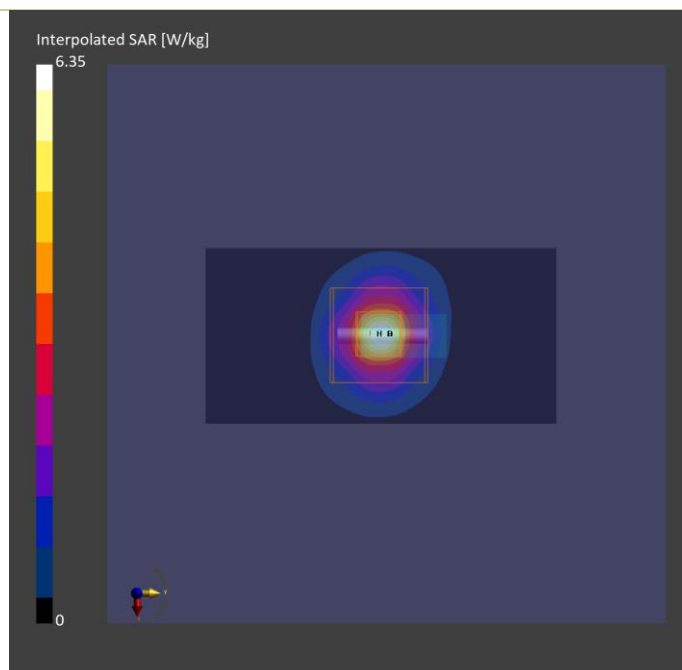
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2026-08-18	EX3DV4 - SN3650, 2026-01-26	DAE4 Sn1341, 2026-03-11

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	2026-08-18	2026-08-18
psSAR1g [W/kg]	3.95	4.18
psSAR10g [W/kg]	1.12	1.21
Power Drift [dB]	0.01	0.01



Plots of System Verification

Measurement Report

S05 System Check_H5800_260818

Device under Test Properties

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

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	,		CW, 0--	5800.0, 0	5.04	5.22	36.3

Hardware Setup

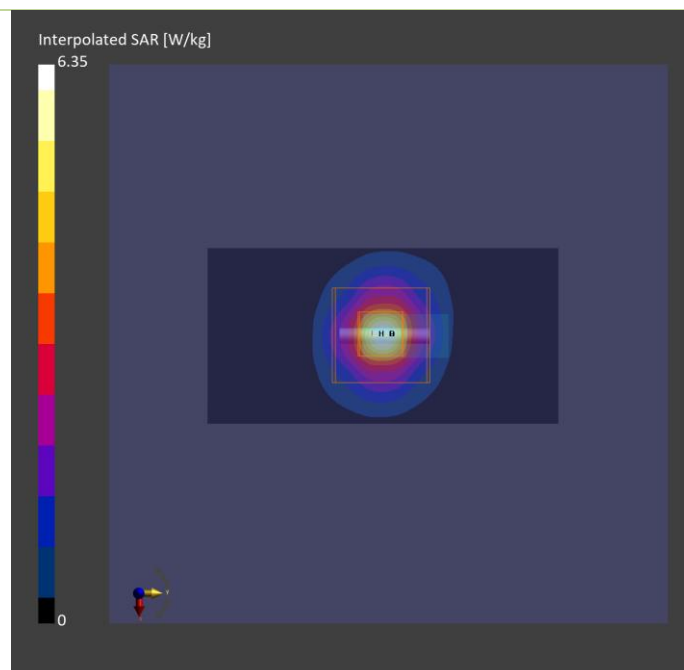
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2026-08-18	EX3DV4 - SN3650, 2026-01-26	DAE4 Sn1341, 2026-03-11

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	2026-08-18	2026-08-18
psSAR1g [W/kg]	3.95	4.18
psSAR10g [W/kg]	1.12	1.21
Power Drift [dB]	0.01	0.01



Plots of System Verification

Measurement Report S06 System Check_H2450_260721 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	6.59	1.80	39.1

Hardware Setup

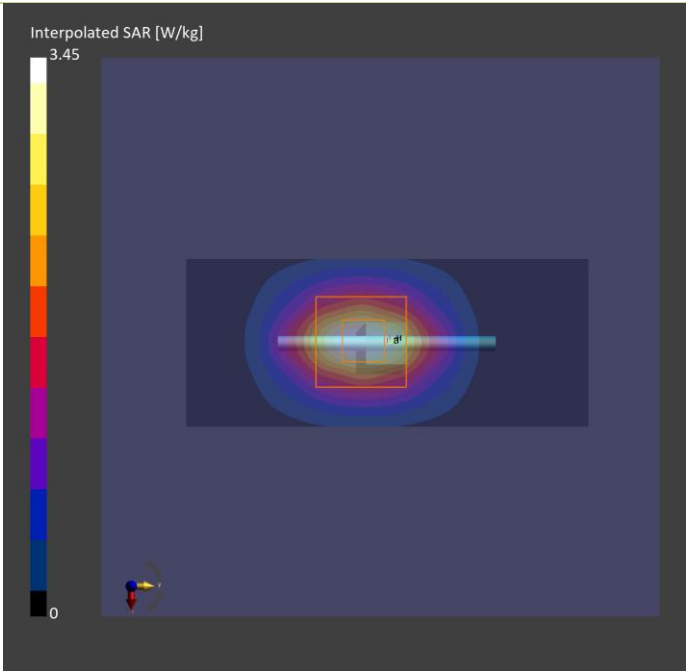
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H19T27N9 , 2026-07-21	EX3DV4 - SN7778, 2025-11-07	DAE4 Sn1761, 2025-09-11

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	2026-07-21	2026-07-21
psSAR1g [W/kg]	2.67	2.63
psSAR10g [W/kg]	1.26	1.27
Power Drift [dB]	-0.03	-0.00
M2/M1 [%]		83.8
Dist 3dB Peak [mm]		9.0



Plots of System Verification

Measurement Report

S07 System Check_H6500_260723

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,	,		CW, 0--	6500.000, 0	5.55	5.85	35.3

Hardware Setup

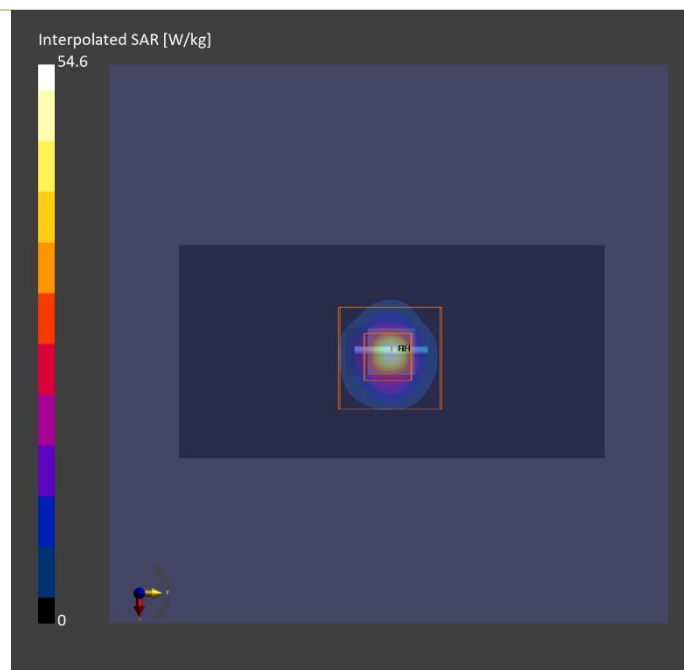
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H60T72N9 , 2026-07-23	EX3DV4 - SN3650, 2026-01-26	DAE4 Sn1341, 2026-03-11

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	2026-07-23	2026-07-23
psSAR1g [W/kg]	28.3	29.3
psSAR10g [W/kg]	5.01	5.25
psAPD (1.0cm2, sq) [W/m2]		285
psAPD (4.0cm2, sq) [W/m2]		126
Power Drift [dB]	-0.07	0.06



Plots of System Verification

Measurement Report

P07_PD_System Check_10GHz_260724

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

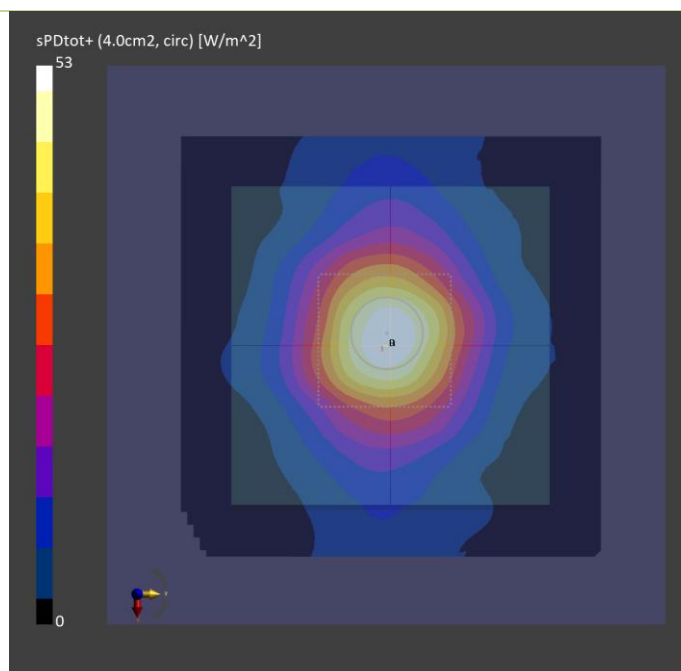
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1035	---Air	EUmmWV4 - SN9438_F1-55GHz, 2026-03-12	DAE4 Sn1585, 2026-05-13

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	2026-07-24
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	52.8
psPDtot+ [W/m ²]	53.0
psPDmod+ [W/m ²]	53.6
E _{max} [V/m]	151
Power Drift [dB]	-0.01



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_Bottom of Laptop_0mm_Ch1_Smple Innowave_SIMPLO_ANT 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
P26060527,	314.0 x 216.0 x 12.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of Laptop, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2412.000, 1	6.59	1.77	39.1

Hardware Setup

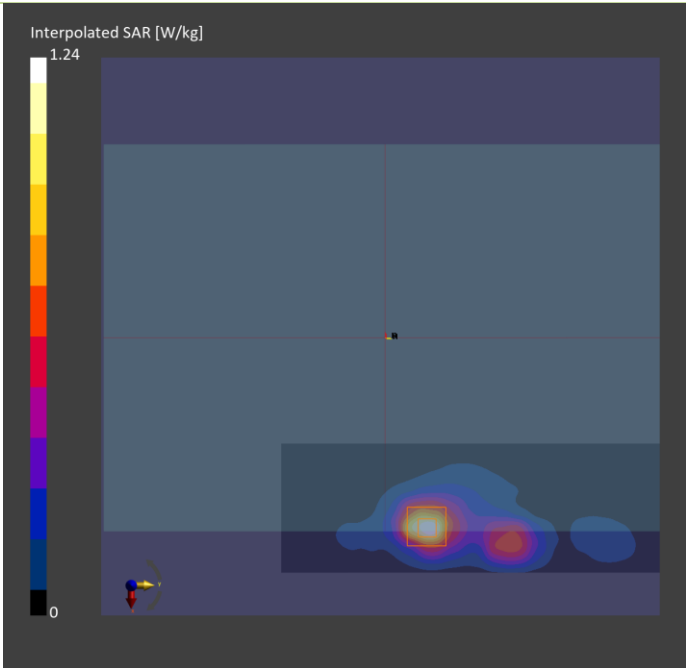
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H19T27N8 , 2026-07-21	EX3DV4 - SN7778, 2025-11-07	DAE4 Sn1761, 2025-09-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 216.0	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	2026-07-21	2026-07-21
psSAR1g [W/kg]	0.969	0.93
psSAR10g [W/kg]	0.467	0.459
Power Drift [dB]	-0.01	0.01
M2/M1 [%]		46.5
Dist 3dB Peak [mm]		8.5



Plots of Measurement

Measurement Report

P02 WLAN5.3G_802.11ax HE40_Bottom of Laptop_0mm_Ch54_Smple Luxshare_SIMPLO_ANT 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
P26060527,	314.0 x 216.0 x 12.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of Laptop, 0.00	WLAN 5GHz	WLAN, 10707-AAC	5270.000, 54	4.98	4.54	35.2

Hardware Setup

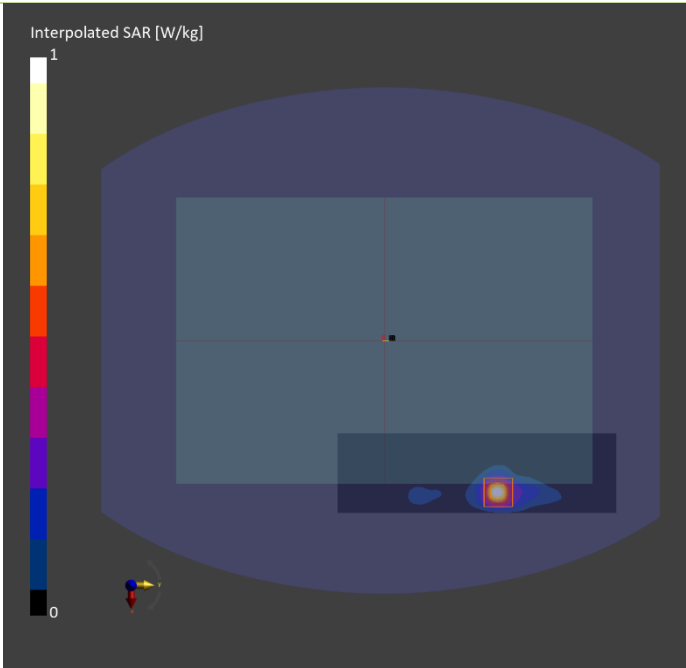
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H50T60N8 , 2026-07-21	EX3DV4 - SN7778, 2025-11-07	DAE4 Sn1761, 2025-09-11

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-21	2026-07-21
psSAR1g [W/kg]	0.619	0.757
psSAR10g [W/kg]	0.206	0.231
Power Drift [dB]	0.06	-0.02
M2/M1 [%]		59.5
Dist 3dB Peak [mm]		6.4



Plots of Measurement

Measurement Report

P03 WLAN5.6G_802.11ax HE80_Bottom of Laptop_0mm_Ch138_Smple Luxshare_SIMPLO_ANT 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
P26060527,	314.0 x 216.0 x 12.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of Laptop, 0.00	WLAN 5GHz	WLAN, 10731-AAC	5690.000, 138	4.56	5.00	34.5

Hardware Setup

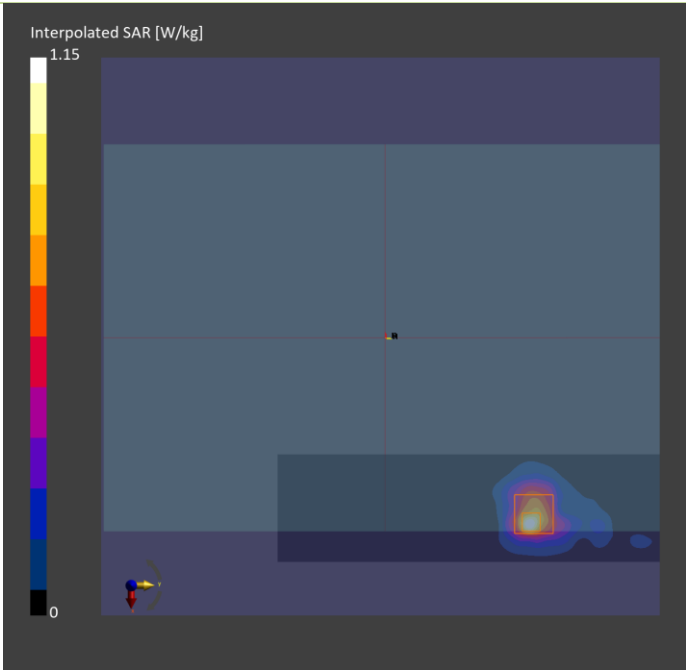
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H50T60N8 , 2026-07-21	EX3DV4 - SN7778, 2025-11-07	DAE4 Sn1761, 2025-09-11

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2026-07-21	2026-07-21
psSAR1g [W/kg]	0.760	0.870
psSAR10g [W/kg]	0.270	0.289
Power Drift [dB]	-0.05	-0.01
M2/M1 [%]		53.0
Dist 3dB Peak [mm]		7.2



Plots of Measurement

Measurement Report

P04 WLAN5.8G_802.11ax HE80_Bottom of Laptop_0mm_Ch155_Smple Luxshare_SIMPLO_ANT 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
P26060527,	314.0 x 216.0 x 12.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of Laptop, 0.00	WLAN 5GHz	WLAN, 10731-AAC	5775.000, 155	5.04	5.19	36.4

Hardware Setup

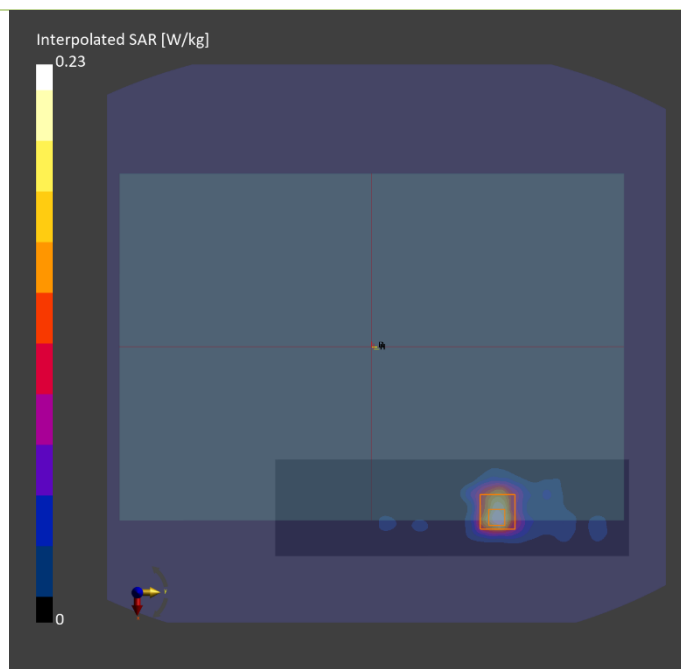
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2026-08-18	EX3DV4 - SN3650, 2026-01-26	DAE4 Sn1341, 2026-03-11

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2026-08-18	2026-08-18
psSAR1g [W/kg]	0.168	0.437
psSAR10g [W/kg]	0.062	0.171
Power Drift [dB]	0.37	0.06
M2/M1 [%]		53.1
Dist 3dB Peak [mm]		6.5



Plots of Measurement

Measurement Report

P05 WLAN5.9G_802.11ax HE80_Bottom of Laptop_0mm_Ch171_Smple Luxshare_SIMPLO_ANT 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
P26060527,	314.0 x 216.0 x 12.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of Laptop, 0.00	U-NII-4	WLAN, 10731-AAC	5855.000, 171	5.04	5.28	36.2

Hardware Setup

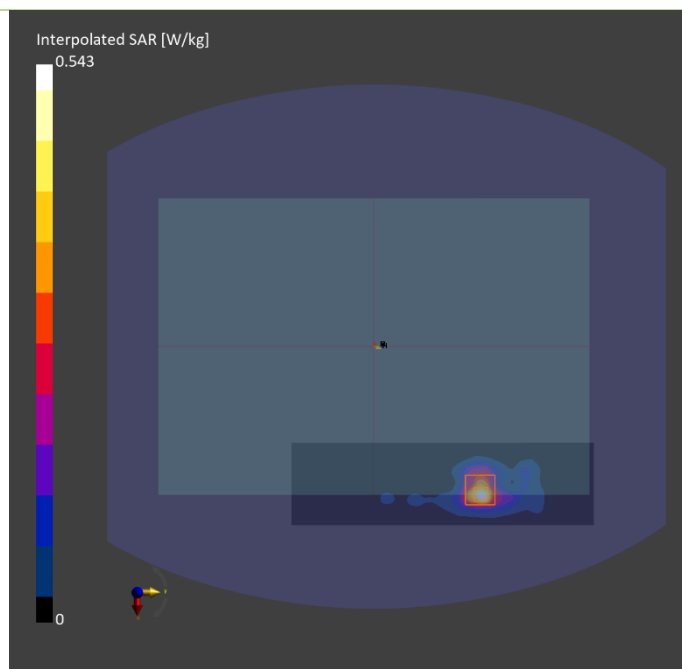
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H50T60N9 , 2026-08-18	EX3DV4 - SN3650, 2026-01-26	DAE4 Sn1341, 2026-03-11

Scan Setup

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

Measurement Results

	Area Scan	Zoom Scan
Date	2026-08-18	2026-08-18
psSAR1g [W/kg]	0.376	0.476
psSAR10g [W/kg]	0.126	0.137
Power Drift [dB]	0.12	0.11
M2/M1 [%]		55.9
Dist 3dB Peak [mm]		7.2



Plots of Measurement

Measurement Report

P06 BT_BDR_Bottom of Laptop_0mm_Ch78_Sample Luxshare_SIMPLO_ANT 1

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
P26060527,	314.0 x 216.0 x 12.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of Laptop, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2480.000, 78	6.59	1.82	39.1

Hardware Setup

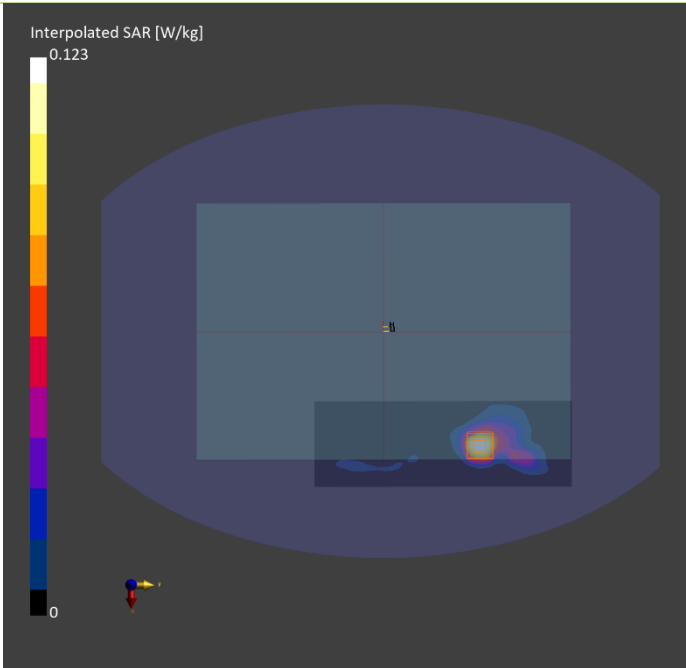
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2186	H19T27N8 , 2026-07-21	EX3DV4 - SN7778, 2025-11-07	DAE4 Sn1761, 2025-09-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 216.0	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	2026-07-21	2026-07-21
psSAR1g [W/kg]	0.098	0.097
psSAR10g [W/kg]	0.048	0.044
Power Drift [dB]	0.02	-0.04
M2/M1 [%]		46.7
Dist 3dB Peak [mm]		7.1



Plots of Measurement

Measurement Report

P07 UNII-5_802.1ax HE160_Bottom of Laptop_0mm_Ch79_Innowave_SIMPLO_ANT 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
P26060527,	314.0 x 216.0 x 12.0		Laptop

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat,	Bottom of Laptop, 0.00	U-NII-5	WLAN, 10755-AAC	6345.000, 79	5.55	5.70	35.5

Hardware Setup

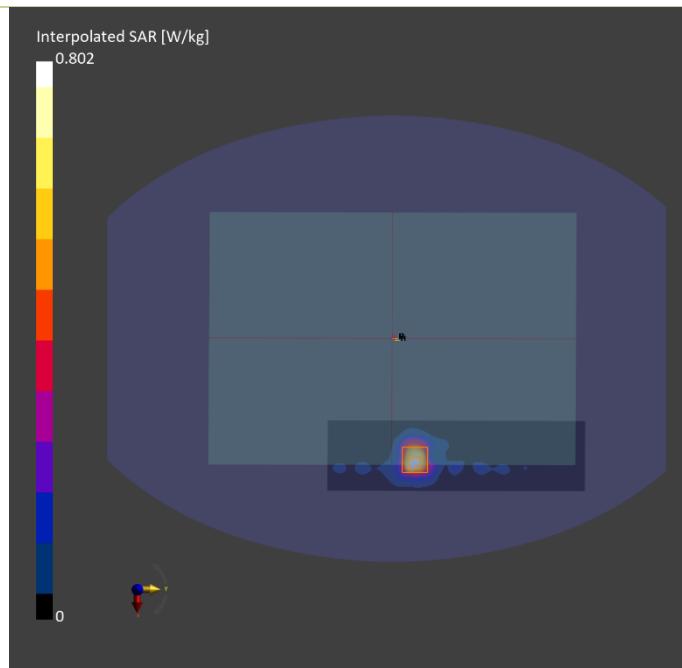
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2188	H60T72N9 , 2026-07-23	EX3DV4 - SN3650, 2026-01-26	DAE4 Sn1341, 2026-03-11

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 210.0	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	2026-07-23	2026-07-23
psSAR1g [W/kg]	0.613	0.853
psSAR10g [W/kg]	0.220	0.240
psAPD (1.0cm2, sq) [W/m2]		8.53
psAPD (4.0cm2, sq) [W/m2]		5.50
Power Drift [dB]	-0.12	0.03
M2/M1 [%]		53.4
Dist 3dB Peak [mm]		6.1



Plots of Measurement

Measurement Report

P07 UNII-5_802.11ax HE160_Bottom of Laptop_0mm_Ch79_Innowave_SIMPLO_Ant 0

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, P26060527	314.0 x 216.0 x 12.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Bottom of Laptop, 2.00	U-NII-5	WLAN, 10755-AAC	6345.0, 79	1.0

Hardware Setup

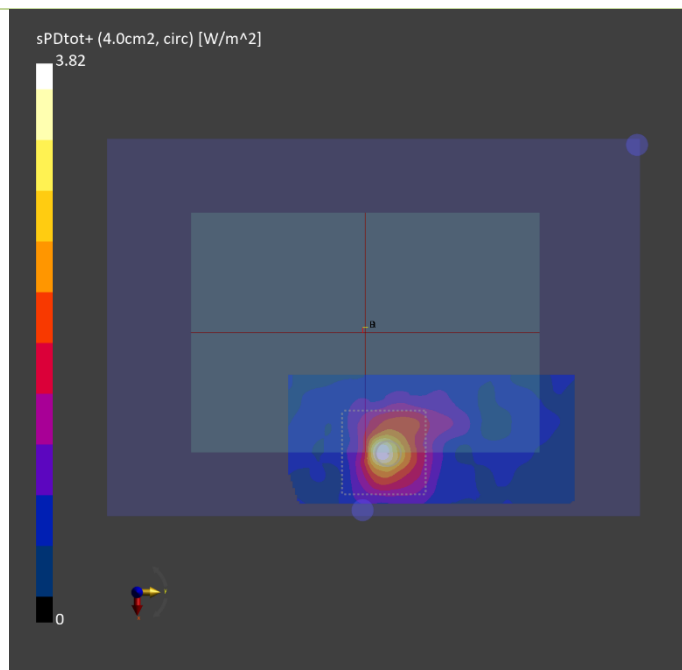
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1035	---Air	EUmmWV4 - SN9438_F1-55GHz, 2026-03-12	DAE4 Sn1585, 2026-05-13

Scan Setup

	5G Scan
Grid Extents [mm]	95.0 x 95.0
Grid Steps [lambda]	0.0529 x 0.0529
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2026-07-24
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	3.45
psPDtot+ [W/m ²]	3.82
psPDmod+ [W/m ²]	4.46
E _{max} [V/m]	59.4
Power Drift [dB]	0.16



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)	Ambient Temp. (°C)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (ε _r)	Targeted Conductivity (σ)	Targeted Permittivity (ε _r)	Deviation Conductivity (σ)	Deviation Permittivity (ε _r)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N	Output Power (dBm)
S01	2450	22.8	22.3	1.80	39.1	1.8	39.2	0.00	-0.26	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 21, 2026	2450	51.40	2.63	52.48	2.09	737	7778	1761	17
S02	5250	22.8	22.3	4.51	35.6	4.71	35.9	-4.25	-0.84	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 21, 2026	5250	81.30	4.16	83.00	2.09	1019	7778	1761	17
S03	5600	22.8	22.3	4.89	35.0	5.07	35.5	-3.55	-1.41	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 21, 2026	5600	80.90	4.24	84.60	4.57	1019	7778	1761	17
S04	5800	22.7	22.1	5.22	36.3	5.27	35.3	-0.95	2.83	Pass	Pass	Pass	OFDM	N/A	Pass	Aug. 18, 2026	5800	79.50	4.18	83.40	4.91	1019	3650	1341	17
S05	5800	22.7	22.1	5.22	36.3	5.27	35.3	-0.95	2.83	Pass	Pass	Pass	OFDM	N/A	Pass	Aug. 18, 2026	5800	79.50	4.18	83.40	4.91	1019	3650	1341	17
S06	2450	22.8	22.3	1.80	39.1	1.8	39.2	0.00	-0.26	Pass	Pass	Pass	GFSK	N/A	Pass	Jul. 21, 2026	2450	51.40	2.63	52.48	2.09	737	7778	1761	17
S07	6500	22.9	22.4	5.85	35.3	6.07	34.5	-3.62	2.32	Pass	Pass	Pass	OFDM	N/A	Pass	Jul. 23, 2026	6500	296.00	29.3	293.00	-1.01	1008	3650	1341	20

System Performance Check for Incident Power Density Measurement									
Plot No.	Test Date	Frequency [GHz]	mmWave Probe S/N	Verification Source S/N	Averaging Area [cm ²]	Distance [mm]	Target Power Density [W/m ²]	Measured Power Density [W/m ²]	Deviation [%]
S07	Jul. 24, 2026	10	9438	1025	4	10.0	54.6	53.0	-2.93%

Appendix D. Maximum Target Conducted Power

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

Tune-up Power					
WLAN 2.4GHz					
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11b	1	2412	16.5	16.5	16.5
	6	2437	16.5	16.5	16.5
	11	2462	16.5	16.5	16.5
	12	2467	16.5	16.5	16.5
	13	2472	16.5	16.5	16.5
802.11g	1	2412	16.5	16.5	16.5
	6	2437	16.5	16.5	16.5
	11	2462	16.5	16.5	16.5
	12	2467	16.5	16.5	16.5
	13	2472	15.0	15.0	15.0
802.11n HT20	1	2412	16.5	16.5	16.5
	6	2437	16.5	16.5	16.5
	11	2462	16.5	16.5	16.5
	12	2467	16.5	16.5	16.5
	13	2472	12.5	12.5	12.5
802.11n HT40	3	2422	16.5	16.5	16.5
	6	2437	16.5	16.5	16.5
	9	2452	16.5	16.5	16.5
	10	2457	16.0	16.0	16.0
	11	2462	13.0	13.0	13.0
802.11ac VHT20	1	2412	16.5	16.5	16.5
	6	2437	16.5	16.5	16.5
	11	2462	16.5	16.5	16.5
	12	2467	16.5	16.5	16.5
	13	2472	12.5	12.5	12.5
802.11ac VHT40	3	2422	16.5	16.5	16.5
	6	2437	16.5	16.5	16.5
	9	2452	16.5	16.5	16.5
	10	2457	16.0	16.0	16.0
	11	2462	13.0	13.0	13.0
802.11ax HE20	1	2412	16.5	16.5	16.5
	6	2437	16.5	16.5	16.5
	11	2462	16.5	16.5	16.5
	12	2467	16.5	16.5	16.5
	13	2472	13.0	13.0	13.0
802.11ax HE40	3	2422	16.5	16.5	16.5
	6	2437	16.5	16.5	16.5
	9	2452	16.5	16.5	16.5
	10	2457	16.5	16.5	16.5
	11	2462	13.0	13.0	13.0

Tune-up Power					
Bluetooth					
Mode	Channel	Frequency	Ant 0 Max Tune-up	Ant 1 Max Tune-up	MIMO Ant 0+1 Max Tune up
BR / EDR	0	2402		12.0	
	39	2441		12.0	
	78	2480		12.0	
LE	0	2402		12.0	
	19	2440		12.0	
	39	2480		12.0	

Tune-up Power					
WLAN 5.2GHz					
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	36	5180	18.0	19.0	18.0
	40	5200	18.0	19.0	18.0
	44	5220	18.0	19.0	18.0
	48	5240	18.0	19.0	18.0
802.11n HT20	36	5180	18.0	14.5	18.0
	40	5200	18.0	19.0	18.0
	44	5220	18.0	19.0	18.0
	48	5240	18.0	19.0	18.0
802.11n HT40	38	5190	17.0	17.0	17.0
	46	5230	18.0	19.0	18.0
802.11ac VHT20	36	5180	18.0	14.5	18.0
	40	5200	18.0	19.0	18.0
	44	5220	18.0	19.0	18.0
	48	5240	18.0	19.0	18.0
802.11ac VHT40	38	5190	17.0	17.0	17.0
	46	5230	18.0	19.0	18.0
802.11ac VHT80	42	5210	13.0	13.0	13.0
802.11ax HE20	36	5180	18.0	14.5	18.0
	40	5200	18.0	19.0	18.0
	44	5220	18.0	19.0	18.0
	48	5240	18.0	19.0	18.0
802.11ax HE40	38	5190	17.0	17.0	17.0
	46	5230	18.0	19.0	18.0
802.11ax HE80	42	5210	13.0	13.0	13.0

Tune-up Power					
WLAN 5.3GHz					
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	52	5260	18.0	19.0	18.0
	56	5280	18.0	18.5	18.0
	60	5300	18.0	18.5	18.0
	64	5320	18.0	19.0	18.0
802.11n HT20	52	5260	18.0	19.0	18.0
	56	5280	18.0	19.0	18.0
	60	5300	18.0	19.0	18.0
	64	5320	18.0	18.5	18.0
802.11n HT40	54	5270	18.0	19.0	18.0
	62	5310	15.5	15.5	15.5
802.11ac VHT20	52	5260	18.0	19.0	18.0
	56	5280	18.0	19.0	18.0
	60	5300	18.0	19.0	18.0
	64	5320	18.0	18.5	18.0
802.11ac VHT40	54	5270	18.0	19.0	18.0
	62	5310	15.5	15.5	15.5
802.11ac VHT80	58	5290	14.5	14.5	14.5
802.11ac VHT160	50	5250	9.0	10.0	9.0
802.11ax HE20	52	5260	18.0	19.0	18.0
	56	5280	18.0	19.0	18.0
	60	5300	18.0	19.0	18.0
	64	5320	18.0	19.0	18.0
802.11ax HE40	54	5270	18.0	19.0	18.0
	62	5310	15.5	16.0	15.5
802.11ax HE80	58	5290	14.5	14.5	14.5
802.11ax HE160	50	5250	10.5	10.5	10.5

Tune-up Power					
WLAN 5.6GHz					
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	100	5500	17.5	16.5	16.5
	116	5580	17.5	16.5	16.5
	120	5600	17.5	16.5	16.5
	140	5700	17.5	16.5	16.5
	144	5720	17.0	16.5	16.5
802.11n HT20	100	5500	17.0	16.5	16.5
	116	5580	17.0	16.5	16.5
	120	5600	17.0	16.5	16.5
	140	5700	17.0	16.5	16.5
	144	5720	17.0	16.5	16.5
802.11n HT40	102	5510	17.0	16.5	16.5
	110	5550	17.0	16.5	16.5
	118	5590	17.0	16.5	16.5
	134	5670	17.0	16.5	16.5
	142	5710	17.0	16.5	16.5
802.11ac VHT20	100	5500	17.0	16.5	16.5
	116	5580	17.0	16.5	16.5
	120	5600	17.0	16.5	16.5
	140	5700	17.0	16.5	16.5
	144	5720	17.0	16.5	16.5
802.11ac VHT40	102	5510	17.0	16.5	16.5
	110	5550	17.0	16.5	16.5
	118	5590	17.0	16.5	16.5
	134	5670	17.0	16.5	16.5
	142	5710	17.0	16.5	16.5
802.11ac VHT80	106	5530	15.5	16.0	16.0
	122	5610	17.5	16.5	16.5
	138	5690	17.5	16.5	16.5
802.11ac VHT160	114	5570	13.0	13.0	13.0
802.11ax HE20	100	5500	17.5	16.5	16.5
	116	5580	17.5	16.5	16.5
	120	5600	17.5	16.5	16.5
	140	5700	17.5	16.5	16.5
	144	5720	17.5	16.5	16.5
802.11ax HE40	102	5510	17.5	16.5	16.5
	110	5550	17.5	16.5	16.5
	118	5590	17.5	16.5	16.5
	134	5670	17.5	16.5	16.5
	142	5710	17.5	16.5	16.5
802.11ax HE80	106	5530	15.5	16.0	16.0
	122	5610	17.5	16.5	16.5
	138	5690	17.5	16.5	16.5
802.11ax HE160	114	5570	13.0	13.0	13.0

Tune-up Power					
WLAN 5.8GHz					
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	149	5745	10.0	10.0	10.0
	157	5785	10.0	10.0	10.0
	165	5825	10.0	10.0	10.0
802.11n HT20	149	5745	10.0	10.0	10.0
	157	5785	10.0	10.0	10.0
	165	5825	10.0	10.0	10.0
802.11n HT40	151	5755	10.0	10.0	10.0
	159	5795	10.0	10.0	10.0
802.11ac VHT20	149	5745	10.0	10.0	10.0
	157	5785	10.0	10.0	10.0
	165	5825	10.0	10.0	10.0
802.11ac VHT40	151	5755	10.0	10.0	10.0
	159	5795	10.0	10.0	10.0
802.11ac VHT80	155	5775	10.0	10.0	10.0
802.11ax HE20	149	5745	10.0	10.0	10.0
	157	5785	10.0	10.0	10.0
	165	5825	10.0	10.0	10.0
802.11ax HE40	151	5755	10.0	10.0	10.0
	159	5795	10.0	10.0	10.0
802.11ax HE80	155	5775	10.0	10.0	10.0

Tune-up Power					
WLAN 5.9GHz					
Mode	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	169	5845	10.0	10.0	10.0
	173	5865	10.0	10.0	10.0
	177	5885	10.0	10.0	10.0
802.11n HT20	169	5845	10.0	10.0	10.0
	173	5865	10.0	10.0	10.0
	177	5885	10.0	10.0	10.0
802.11n HT40	167	5835	10.0	10.0	10.0
	175	5875	10.0	10.0	10.0
802.11ac VHT20	169	5845	10.0	10.0	10.0
	173	5865	10.0	10.0	10.0
	177	5885	10.0	10.0	10.0
802.11ac VHT40	167	5835	10.0	10.0	10.0
	175	5875	10.0	10.0	10.0
802.11ac VHT80	171	5855	10.0	10.0	10.0
802.11ac VHT160	163	5815	9.5	9.5	9.5
802.11ax HE20	169	5845	10.0	10.0	10.0
	173	5865	10.0	10.0	10.0
	177	5885	10.0	10.0	10.0
802.11ax HE40	167	5835	10.0	10.0	10.0
	175	5875	10.0	10.0	10.0
802.11ax HE80	171	5855	10.0	10.0	10.0
802.11ax HE160	163	5815	9.5	9.5	9.5

Tune-up Power					
UNII-5					
Mode (SP Mode)	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	1	5955	17.0	17.5	17.0
	21	6055	17.0	17.5	17.0
	45	6175	17.0	17.5	17.0
	61	6255	17.0	17.5	17.0
	77	6335	17.0	17.5	17.0
	93	6415	17.0	17.5	17.0
802.11ax HE20	1	5955			17.0
	21	6055			17.0
	45	6175			17.0
	61	6255			17.0
	77	6335			17.0
	93	6415			17.0
802.11ax HE40	3	5965			17.0
	27	6085			17.0
	43	6165			17.0
	59	6245			17.0
	75	6325			17.0
	91	6405			17.0
802.11ax HE80	7	5985			17.0
	23	6065			17.0
	39	6145			17.0
	55	6225			17.0
	71	6305			17.0
	87	6385			17.0
802.11ax HE160	15	6025	17.0	17.5	17.0
	47	6185	17.0	17.5	17.0
	79	6345	17.0	17.5	17.0

Tune-up Power					
UNII-7					
Mode (SP Mode)	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	117	6535	17.0	17.5	17.0
	133	6615	17.0	17.5	17.0
	149	6695	17.0	17.5	17.0
	165	6775	17.0	17.5	17.0
	181	6855	17.0	17.5	17.0
802.11ax HE20	117	6535			17.0
	133	6615			17.0
	149	6695			17.0
	165	6775			17.0
	181	6855			17.0
802.11ax HE40	123	6565			17.0
	139	6645			17.0
	155	6725			17.0
	163	6765			17.0
	179	6845			17.0
802.11ax HE80	135	6625			17.0
	151	6705			17.0
	167	6785			17.0
	183	6865			17.0
802.11ax HE160	143	6665	17.0	17.5	17.0
	175	6825	17.0	17.5	17.0

Tune-up Power					
UNII-5					
Mode (LPI Mode)	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	1	5955	6.5	6.5	3.5
	21	6055	6.5	6.5	3.5
	45	6175	6.5	6.5	3.5
	61	6255	6.5	6.5	3.5
	77	6335	6.5	6.5	3.5
	93	6415	6.5	6.5	4.0
802.11ax HE20	1	5955			4.0
	21	6055			4.0
	45	6175			4.0
	61	6255			4.0
	77	6335			4.0
	93	6415			4.0
802.11ax HE40	3	5965			7.5
	27	6085			7.5
	43	6165			7.5
	59	6245			7.5
	75	6325			7.5
	91	6405			7.5
802.11ax HE80	7	5985			10.0
	23	6065			10.0
	39	6145			10.0
	55	6225			10.0
	71	6305			10.0
	87	6385			10.0
802.11ax HE160	15	6025	12.5	12.5	12.5
	47	6185	12.0	12.0	12.0
	79	6345	12.0	12.0	12.5

Tune-up Power					
UNII-6					
Mode (LPI Mode)	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	97	6435	7.5	7.5	4.0
	105	6475	7.5	7.5	4.0
	113	6515	7.0	7.0	4.0
802.11ax HE20	97	6435			4.5
	105	6475			4.5
	113	6515			4.5
802.11ax HE40	99	6445			7.5
	107	6485			7.0
	115	6525			7.0
802.11ax HE80	103	6465			10.0
	119	6545			10.0
802.11ax HE160	111	6505	12.0	12.0	12.0

Tune-up Power					
UNII-7					
Mode (LPI Mode)	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	117	6535	7.0	7.0	4.0
	133	6615	7.0	7.0	4.0
	149	6695	7.0	7.0	4.0
	165	6775	7.0	7.0	4.0
	181	6855	7.0	7.0	4.0
802.11ax HE20	117	6535			4.0
	133	6615			4.0
	149	6695			4.0
	165	6775			4.0
	181	6855			4.0
802.11ax HE40	123	6565			7.0
	139	6645			7.0
	155	6725			7.0
	163	6765			7.0
	179	6845			7.0
802.11ax HE80	135	6625			10.0
	151	6705			10.5
	167	6785			10.5
	183	6865			10.5
802.11ax HE160	143	6665	12.0	12.0	12.0
	175	6825	12.0	12.0	12.5

Tune-up Power					
UNII-8					
Mode (LPI Mode)	Channel	Frequency	SISO Ant 0 Max Tune up	SISO Ant 1 Max Tune up	MIMO Ant 0+1 Max Tune up
802.11a	185	6875	7.5	7.5	4.0
	197	6935	7.5	7.5	4.0
	209	6995	7.5	7.5	4.0
	233	7115	7.5	7.5	4.0
802.11ax HE20	185	6875			4.5
	197	6935			4.5
	209	6995			4.5
	233	7115			4.5
802.11ax HE40	187	6885			7.0
	203	6965			7.0
	211	7005			7.5
	227	7085			7.5
802.11ax HE80	199	6945			10.5
	215	7025			10.5
802.11ax HE160	207	6985	12.5	12.5	12.0

Appendix E. Measured Conducted Power Result

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

Conducted Power			
WLAN2.4GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11b	1	2412	16.48
	6	2437	16.15
	11	2462	16.27
	12	2467	16.25
	13	2472	16.25
802.11g	1	2412	16.16
	6	2437	16.2
	11	2462	16.29
	12	2467	16.19
	13	2472	14.74
802.11n HT20	1	2412	16.3
	6	2437	16.21
	11	2462	16.21
	12	2467	16.21
	13	2472	12.27
802.11n HT40	3	2422	16.3
	6	2437	16.15
	9	2452	16.15
	10	2457	15.79
	11	2462	12.72
VHT20	1	2412	16.26
	6	2437	16.18
	11	2462	16.18
	12	2467	16.29
	13	2472	12.29
VHT40	3	2422	16.25
	6	2437	16.15
	9	2452	16.18
	10	2457	15.74
	11	2462	12.7
802.11ax HE20	1	2412	16.21
	6	2437	16.19
	11	2462	16.23
	12	2467	16.3
	13	2472	12.7
802.11ax HE40	3	2422	16.18
	6	2437	16.26
	9	2452	16.25
	10	2457	16.16
	11	2462	12.78

Conducted Power			
WLAN2.4GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11b	1	2412	16.45
	6	2437	16.25
	11	2462	16.23
	12	2467	16.25
	13	2472	16.25
802.11g	1	2412	16.21
	6	2437	16.23
	11	2462	16.19
	12	2467	16.21
	13	2472	14.72
802.11n HT20	1	2412	16.26
	6	2437	16.27
	11	2462	16.27
	12	2467	16.23
	13	2472	12.18
802.11n HT40	3	2422	16.3
	6	2437	16.17
	9	2452	16.22
	10	2457	15.79
	11	2462	12.68
VHT20	1	2412	16.28
	6	2437	16.22
	11	2462	16.26
	12	2467	16.23
	13	2472	12.24
VHT40	3	2422	16.18
	6	2437	16.21
	9	2452	16.21
	10	2457	15.72
	11	2462	12.76
802.11ax HE20	1	2412	16.2
	6	2437	16.27
	11	2462	16.16
	12	2467	16.23
	13	2472	12.71
802.11ax HE40	3	2422	16.19
	6	2437	16.15
	9	2452	16.26
	10	2457	16.22
	11	2462	12.69

Conducted Power			
WLAN2.4GHz Ant 0+1			
Mode	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11b	1	2412	16.45
	6	2437	16.24
	11	2462	16.19
	12	2467	16.26
	13	2472	16.27
802.11g	1	2412	16.19
	6	2437	16.25
	11	2462	16.21
	12	2467	16.19
	13	2472	14.72
802.11n HT20	1	2412	16.30
	6	2437	16.27
	11	2462	16.22
	12	2467	16.24
	13	2472	12.19
802.11n HT40	3	2422	16.26
	6	2437	16.25
	9	2452	16.23
	10	2457	15.72
	11	2462	12.74
VHT20	1	2412	16.21
	6	2437	16.29
	11	2462	16.20
	12	2467	16.29
	13	2472	12.26
VHT40	3	2422	16.28
	6	2437	16.25
	9	2452	16.23
	10	2457	15.74
	11	2462	12.74
802.11ax HE20	1	2412	16.20
	6	2437	16.20
	11	2462	16.19
	12	2467	16.24
	13	2472	12.73
802.11ax HE40	3	2422	16.18
	6	2437	16.25
	9	2452	16.29
	10	2457	16.26
	11	2462	12.73

Conducted Power			
Bluetooth Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
BR / EDR	0	2402	11.95
	39	2441	11.97
	78	2480	11.92
LE	0	2402	11.75
	19	2440	11.69
	39	2480	11.78

Conducted Power			
WLAN 5.2GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	36	5180	16.24
	40	5200	16.24
	44	5220	16.18
	48	5240	16.23
802.11n HT20	36	5180	16.18
	40	5200	16.15
	44	5220	16.1
	48	5240	16.09
802.11n HT40	38	5190	16.65
	46	5230	17.66
802.11ac VHT20	36	5180	16.15
	40	5200	16.05
	44	5220	16.16
	48	5240	16.07
802.11ac VHT40	38	5190	16.76
	46	5230	17.76
802.11ac VHT80	42	5210	12.66
802.11ax HE20	36	5180	16.16
	40	5200	16.15
	44	5220	16.17
	48	5240	16.06
802.11ax HE40	38	5190	16.77
	46	5230	17.75
802.11ax HE80	42	5210	12.74

Conducted Power			
WLAN 5.2GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	36	5180	17.16
	40	5200	17.29
	44	5220	17.3
	48	5240	17.25
802.11n HT20	36	5180	12.51
	40	5200	17.19
	44	5220	17.18
	48	5240	17.17
802.11n HT40	38	5190	16.68
	46	5230	18.79
802.11ac VHT20	36	5180	12.51
	40	5200	17.11
	44	5220	17.14
	48	5240	17.1
802.11ac VHT40	38	5190	16.65
	46	5230	18.77
802.11ac VHT80	42	5210	12.73
802.11ax HE20	36	5180	12.52
	40	5200	17.15
	44	5220	17.09
	48	5240	17.19
802.11ax HE40	38	5190	16.7
	46	5230	18.73
802.11ax HE80	42	5210	12.71

Conducted Power			
WLAN 5.2GHz Ant 0+1			
Mode	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	36	5180	16.22
	40	5200	16.29
	44	5220	16.21
	48	5240	16.22
802.11n HT20	36	5180	16.08
	40	5200	16.17
	44	5220	16.12
	48	5240	16.17
802.11n HT40	38	5190	16.74
	46	5230	17.8
802.11ac VHT20	36	5180	16.18
	40	5200	16.16
	44	5220	16.12
	48	5240	16.2
802.11ac VHT40	38	5190	16.72
	46	5230	17.77
802.11ac VHT80	42	5210	12.71
802.11ax HE20	36	5180	16.11
	40	5200	16.12
	44	5220	16.09
	48	5240	16.15
802.11ax HE40	38	5190	16.73
	46	5230	17.74
802.11ax HE80	42	5210	12.71

Conducted Power			
WLAN 5.3GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	52	5260	16.79
	56	5280	16.7
	60	5300	16.76
	64	5320	16.7
802.11n HT20	52	5260	16.79
	56	5280	16.76
	60	5300	16.73
	64	5320	16.8
802.11n HT40	54	5270	16.75
	62	5310	14.21
802.11ac VHT20	52	5260	16.78
	56	5280	16.74
	60	5300	16.75
	64	5320	16.71
802.11ac VHT40	54	5270	16.78
	62	5310	14.24
802.11ac VHT80	58	5290	14.18
802.11ac VHT160	50	5250	8.73
802.11ax HE20	52	5260	16.79
	56	5280	16.78
	60	5300	16.65
	64	5320	16.65
802.11ax HE40	54	5270	16.96
	62	5310	14.25
802.11ax HE80	58	5290	14.3
802.11ax HE160	50	5250	10.21

Conducted Power			
WLAN 5.3GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	52	5260	17.73
	56	5280	17.18
	60	5300	17.3
	64	5320	17.8
802.11n HT20	52	5260	17.65
	56	5280	17.74
	60	5300	17.68
	64	5320	17.15
802.11n HT40	54	5270	17.75
	62	5310	14.22
802.11ac VHT20	52	5260	17.8
	56	5280	17.77
	60	5300	17.8
	64	5320	17.16
802.11ac VHT40	54	5270	17.67
	62	5310	14.25
802.11ac VHT80	58	5290	14.17
802.11ac VHT160	50	5250	9.65
802.11ax HE20	52	5260	17.75
	56	5280	17.78
	60	5300	17.69
	64	5320	17.76
802.11ax HE40	54	5270	17.94
	62	5310	13.71
802.11ax HE80	58	5290	14.2
802.11ax HE160	50	5250	10.18

Conducted Power			
WLAN 5.3GHz Ant 0+1			
Mode	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	52	5260	16.77
	56	5280	16.68
	60	5300	16.72
	64	5320	16.73
802.11n HT20	52	5260	16.76
	56	5280	16.79
	60	5300	16.74
	64	5320	16.72
802.11n HT40	54	5270	16.74
	62	5310	14.27
802.11ac VHT20	52	5260	16.73
	56	5280	16.76
	60	5300	16.7
	64	5320	16.78
802.11ac VHT40	54	5270	16.77
	62	5310	14.28
802.11ac VHT80	58	5290	14.25
802.11ac VHT160	50	5250	8.76
802.11ax HE20	52	5260	16.71
	56	5280	16.75
	60	5300	16.74
	64	5320	16.78
802.11ax HE40	54	5270	16.95
	62	5310	14.46
802.11ax HE80	58	5290	14.24
802.11ax HE160	50	5250	10.22

Conducted Power			
WLAN 5.6GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	100	5500	17.18
	116	5580	17.19
	120	5600	17.25
	140	5700	17.23
	144	5720	16.69
802.11n HT20	100	5500	16.66
	116	5580	16.7
	120	5600	16.71
	140	5700	16.76
	144	5720	16.7
802.11n HT40	102	5510	16.75
	110	5550	16.66
	118	5590	16.66
	134	5670	16.7
	142	5710	16.65
802.11ac VHT20	100	5500	16.69
	116	5580	16.79
	120	5600	16.77
	140	5700	16.76
	144	5720	16.74
802.11ac VHT40	102	5510	16.71
	110	5550	16.66
	118	5590	16.8
	134	5670	16.79
	142	5710	16.67
802.11ac VHT80	106	5530	15.18
	122	5610	17.16
	138	5690	17.25
802.11ac VHT160	114	5570	12.72
802.11ax HE20	100	5500	17.29
	116	5580	17.17
	120	5600	17.21
	140	5700	17.24
	144	5720	17.3
802.11ax HE40	102	5510	17.28
	110	5550	17.24
	118	5590	17.2
	134	5670	17.2
	142	5710	17.25
802.11ax HE80	106	5530	15.48
	122	5610	17.35
	138	5690	17.47
802.11ax HE160	114	5570	12.73

Conducted Power			
WLAN 5.6GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	100	5500	15.26
	116	5580	15.28
	120	5600	15.15
	140	5700	15.15
	144	5720	15.26
802.11n HT20	100	5500	15.23
	116	5580	15.18
	120	5600	15.16
	140	5700	15.23
	144	5720	15.23
802.11n HT40	102	5510	15.18
	110	5550	15.22
	118	5590	15.18
	134	5670	15.18
	142	5710	15.25
802.11ac VHT20	100	5500	15.24
	116	5580	15.23
	120	5600	15.29
	140	5700	15.3
	144	5720	15.29
802.11ac VHT40	102	5510	15.18
	110	5550	15.26
	118	5590	15.26
	134	5670	15.19
	142	5710	15.2
802.11ac VHT80	106	5530	14.65
	122	5610	15.26
	138	5690	15.2
802.11ac VHT160	114	5570	11.71
802.11ax HE20	100	5500	15.18
	116	5580	15.17
	120	5600	15.28
	140	5700	15.26
	144	5720	15.28
802.11ax HE40	102	5510	15.18
	110	5550	15.17
	118	5590	15.15
	134	5670	15.28
	142	5710	15.24
802.11ax HE80	106	5530	15.86
	122	5610	16.41
	138	5690	16.45
802.11ax HE160	114	5570	11.67

Conducted Power			
WLAN 5.6GHz Ant 0+1			
Mode	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	100	5500	15.2
	116	5580	15.21
	120	5600	15.24
	140	5700	15.29
	144	5720	15.21
802.11n HT20	100	5500	15.24
	116	5580	15.21
	120	5600	15.24
	140	5700	15.26
	144	5720	15.29
802.11n HT40	102	5510	15.24
	110	5550	15.21
	118	5590	15.18
	134	5670	15.25
	142	5710	15.28
802.11ac VHT20	100	5500	15.3
	116	5580	15.21
	120	5600	15.24
	140	5700	15.25
	144	5720	15.24
802.11ac VHT40	102	5510	15.22
	110	5550	15.24
	118	5590	15.24
	134	5670	15.26
	142	5710	15.22
802.11ac VHT80	106	5530	14.78
	122	5610	15.19
	138	5690	15.24
802.11ac VHT160	114	5570	11.73
802.11ax HE20	100	5500	15.28
	116	5580	15.21
	120	5600	15.2
	140	5700	15.2
	144	5720	15.2
802.11ax HE40	102	5510	15.23
	110	5550	15.29
	118	5590	15.27
	134	5670	15.23
	142	5710	15.2
802.11ax HE80	106	5530	15.85
	122	5610	16.35
	138	5690	16.45
802.11ax HE160	114	5570	11.68

Conducted Power			
WLAN 5.8GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	149	5745	9.65
	157	5785	9.56
	165	5825	9.64
802.11n HT20	149	5745	9.6
	157	5785	9.63
	165	5825	9.63
802.11n HT40	151	5755	9.57
	159	5795	9.64
802.11ac VHT20	149	5745	9.65
	157	5785	9.66
	165	5825	9.66
802.11ac VHT40	151	5755	9.68
	159	5795	9.6
802.11ac VHT80	155	5775	9.69
802.11ax HE20	149	5745	9.62
	157	5785	9.65
	165	5825	9.68
802.11ax HE40	151	5755	9.56
	159	5795	9.57
802.11ax HE80	155	5775	9.93

Conducted Power			
WLAN 5.8GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	149	5745	9.61
	157	5785	9.68
	165	5825	9.61
802.11n HT20	149	5745	9.67
	157	5785	9.6
	165	5825	9.57
802.11n HT40	151	5755	9.68
	159	5795	9.6
802.11ac VHT20	149	5745	9.57
	157	5785	9.58
	165	5825	9.61
802.11ac VHT40	151	5755	9.61
	159	5795	9.59
802.11ac VHT80	155	5775	9.68
802.11ax HE20	149	5745	9.65
	157	5785	9.61
	165	5825	9.59
802.11ax HE40	151	5755	9.56
	159	5795	9.64
802.11ax HE80	155	5775	9.93

Conducted Power			
WLAN 5.8GHz Ant 0+1			
Mode	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	149	5745	9.65
	157	5785	9.63
	165	5825	9.63
802.11n HT20	149	5745	9.71
	157	5785	9.62
	165	5825	9.64
802.11n HT40	151	5755	9.65
	159	5795	9.65
802.11ac VHT20	149	5745	9.67
	157	5785	9.61
	165	5825	9.6
802.11ac VHT40	151	5755	9.63
	159	5795	9.63
802.11ac VHT80	155	5775	9.63
802.11ax HE20	149	5745	9.67
	157	5785	9.67
	165	5825	9.67
802.11ax HE40	151	5755	9.66
	159	5795	9.62
802.11ax HE80	155	5775	9.92

Conducted Power			
WLAN 5.9GHz Ant 0			
Mode	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	169	5845	9.58
	173	5865	9.68
	177	5885	9.59
802.11n HT20	169	5845	9.68
	173	5865	9.56
	177	5885	9.66
802.11n HT40	167	5835	9.64
	175	5875	9.58
802.11ac VHT20	169	5845	9.65
	173	5865	9.69
	177	5885	9.69
802.11ac VHT40	167	5835	9.59
	175	5875	9.58
802.11ac VHT80	171	5855	9.65
802.11ac VHT160	163	5815	9.06
802.11ax HE20	169	5845	9.68
	173	5865	9.66
	177	5885	9.64
802.11ax HE40	167	5835	9.61
	175	5875	9.56
802.11ax HE80	171	5855	9.91
802.11ax HE160	163	5815	9.06

Conducted Power			
WLAN 5.9GHz Ant 1			
Mode	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	169	5845	9.67
	173	5865	9.66
	177	5885	9.62
802.11n HT20	169	5845	9.65
	173	5865	9.67
	177	5885	9.68
802.11n HT40	167	5835	9.6
	175	5875	9.69
802.11ac VHT20	169	5845	9.64
	173	5865	9.65
	177	5885	9.57
802.11ac VHT40	167	5835	9.65
	175	5875	9.57
802.11ac VHT80	171	5855	9.56
802.11ac VHT160	163	5815	9.07
802.11ax HE20	169	5845	9.57
	173	5865	9.61
	177	5885	9.62
802.11ax HE40	167	5835	9.63
	175	5875	9.69
802.11ax HE80	171	5855	9.89
802.11ax HE160	163	5815	9.08

Conducted Power			
WLAN 5.9GHz Ant 0+1			
Mode	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	169	5845	9.65
	173	5865	9.69
	177	5885	9.66
802.11n HT20	169	5845	9.67
	173	5865	9.65
	177	5885	9.71
802.11n HT40	167	5835	9.66
	175	5875	9.62
802.11ac VHT20	169	5845	9.69
	173	5865	9.67
	177	5885	9.65
802.11ac VHT40	167	5835	9.58
	175	5875	9.66
802.11ac VHT80	171	5855	9.61
802.11ac VHT160	163	5815	9.09
802.11ax HE20	169	5845	9.69
	173	5865	9.63
	177	5885	9.62
802.11ax HE40	167	5835	9.64
	175	5875	9.69
802.11ax HE80	171	5855	9.93
802.11ax HE160	163	5815	9.15

Conducted Power			
UNII-5 Ant 0			
Mode (SP Mode)	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	1	5955	16.62
	21	6055	16.67
	45	6175	16.59
	61	6255	16.62
	77	6335	16.62
	93	6415	16.62
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160	15	6025	16.92
	47	6185	16.95
	79	6345	16.89

Conducted Power			
UNII-5 Ant 1			
Mode (SP Mode)	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	1	5955	17.1
	21	6055	17.15
	45	6175	17.07
	61	6255	17.19
	77	6335	17.2
	93	6415	17.09
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160			
802.11ax HE160	15	6025	17.46
	47	6185	17.42
	79	6345	17.38

Conducted Power			
UNII-5 Ant 0+1			
Mode (SP Mode)	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	1	5955	16.67
	21	6055	16.59
	45	6175	16.65
	61	6255	16.63
	77	6335	16.63
	93	6415	16.62
802.11ax HE20	1	5955	16.63
	21	6055	16.62
	45	6175	16.61
	61	6255	16.65
	77	6335	16.58
	93	6415	16.7
802.11ax HE40	3	5965	16.61
	27	6085	16.67
	43	6165	16.67
	59	6245	16.65
	75	6325	16.62
	91	6405	16.65
802.11ax HE80	7	5985	16.67
	23	6065	16.69
	39	6145	16.61
	55	6225	16.66
	71	6305	16.62
	87	6385	16.59
802.11ax HE160	15	6025	16.91
	47	6185	16.97
	79	6345	16.87

Conducted Power			
UNII-7 Ant 0			
Mode (SP Mode)	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	117	6535	16.69
	133	6615	16.68
	149	6695	16.7
	165	6775	16.65
	181	6855	16.57
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160			
802.11ax HE160	143	6665	16.94
	175	6825	16.89

Conducted Power			
UNII-7 Ant 1			
Mode (SP Mode)	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	117	6535	17.12
	133	6615	17.07
	149	6695	17.2
	165	6775	17.1
	181	6855	17.19
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160			
802.11ax HE160	143	6665	17.43
	175	6825	17.35

Conducted Power			
UNII-7 Ant 0+1			
Mode (SP Mode)	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	117	6535	16.66
	133	6615	16.63
	149	6695	16.63
	165	6775	16.61
	181	6855	16.64
802.11ax HE20	117	6535	16.68
	133	6615	16.62
	149	6695	16.63
	165	6775	16.65
	181	6855	16.65
802.11ax HE40	123	6565	16.64
	139	6645	16.63
	155	6725	16.67
	163	6765	16.68
	179	6845	16.62
802.11ax HE80	135	6625	16.65
	151	6705	16.7
	167	6785	16.64
	183	6865	16.63
802.11ax HE160	143	6665	16.94
	175	6825	16.89

Conducted Power			
UNII-5 Ant 0			
Mode (LPI Mode)	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	1	5955	5.23
	21	6055	5.29
	45	6175	5.16
	61	6255	5.26
	77	6335	5.21
	93	6415	5.3
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160	15	6025	11.47
	47	6185	10.96
	79	6345	10.91

Conducted Power			
UNII-5 Ant 1			
Mode (LPI Mode)	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	1	5955	5.24
	21	6055	5.15
	45	6175	5.17
	61	6255	5.29
	77	6335	5.23
	93	6415	5.27
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160			
802.11ax HE160	15	6025	11.45
	47	6185	10.96
	79	6345	10.92

Conducted Power			
UNII-5 Ant 0+1			
Mode (LPI Mode)	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	1	5955	2.25
	21	6055	2.17
	45	6175	2.27
	61	6255	2.21
	77	6335	2.18
	93	6415	2.71
802.11ax HE20	1	5955	2.76
	21	6055	2.71
	45	6175	2.77
	61	6255	2.74
	77	6335	2.68
	93	6415	2.78
802.11ax HE40	3	5965	6.23
	27	6085	6.25
	43	6165	6.27
	59	6245	6.24
	75	6325	6.24
	91	6405	6.25
802.11ax HE80	7	5985	8.76
	23	6065	8.73
	39	6145	8.71
	55	6225	8.79
	71	6305	8.71
	87	6385	8.78
802.11ax HE160	15	6025	11.47
	47	6185	10.76
	79	6345	11.22

Conducted Power			
UNII-6 Ant 0			
Mode (LPI Mode)	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	97	6435	6.23
	105	6475	6.25
	113	6515	5.78
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160	111	6505	10.79

Conducted Power			
UNII-6 Ant 1			
Mode (LPI Mode)	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	97	6435	6.19
	105	6475	6.3
	113	6515	5.8
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160	111	6505	10.67

Conducted Power			
UNII-6 Ant 0+1			
Mode (LPI Mode)	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	97	6435	2.76
	105	6475	2.77
	113	6515	2.74
802.11ax HE20	97	6435	3.26
	105	6475	3.23
	113	6515	3.24
802.11ax HE40	99	6445	6.2
	107	6485	5.73
	115	6525	5.71
802.11ax HE80	103	6465	8.72
	119	6545	8.74
802.11ax HE160	111	6505	10.92

Conducted Power			
UNII-7 Ant 0			
Mode (LPI Mode)	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	117	6535	5.8
	133	6615	5.74
	149	6695	5.67
	165	6775	5.8
	181	6855	5.68
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160	143	6665	10.67
	175	6825	10.7

Conducted Power			
UNII-7 Ant 1			
Mode (LPI Mode)	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	117	6535	5.66
	133	6615	5.77
	149	6695	5.69
	165	6775	5.7
	181	6855	5.67
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160			
802.11ax HE160	143	6665	10.75
	175	6825	10.76

Conducted Power			
UNII-7 Ant 0+1			
Mode (LPI Mode)	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	117	6535	2.78
	133	6615	2.74
	149	6695	2.74
	165	6775	2.72
	181	6855	2.75
802.11ax HE20	117	6535	2.77
	133	6615	2.72
	149	6695	2.73
	165	6775	2.81
	181	6855	2.74
802.11ax HE40	123	6565	5.75
	139	6645	5.79
	155	6725	5.73
	163	6765	5.74
	179	6845	5.72
802.11ax HE80	135	6625	8.75
	151	6705	9.25
	167	6785	9.27
	183	6865	9.24
802.11ax HE160	143	6665	10.73
	175	6825	11.42

Conducted Power			
UNII-8 Ant 0			
Mode (LPI Mode)	Channel	Frequency	SISO Ant 0 Avg. Power
802.11a	185	6875	6.2
	197	6935	6.28
	209	6995	6.18
	233	7115	6.3
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160			
	207	6985	11.43

Conducted Power			
UNII-8 Ant 1			
Mode (LPI Mode)	Channel	Frequency	SISO Ant 1 Avg. Power
802.11a	185	6875	6.26
	197	6935	6.26
	209	6995	6.28
	233	7115	6.17
802.11ax HE20			
802.11ax HE40			
802.11ax HE80			
802.11ax HE160			
	207	6985	11.41

Conducted Power			
UNII-8 Ant 0+1			
Mode (LPI Mode)	Channel	Frequency	MIMO Ant 0+1 Avg. Power
802.11a	185	6875	2.74
	197	6935	2.7
	209	6995	2.78
	233	7115	2.75
802.11ax HE20	185	6875	3.28
	197	6935	3.22
	209	6995	3.2
	233	7115	3.19
802.11ax HE40	187	6885	5.71
	203	6965	5.74
	211	7005	6.25
	227	7085	6.23
802.11ax HE80	199	6945	9.21
	215	7025	9.21
802.11ax HE160	207	6985	10.91

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%.

System & Position						DUT Configuration			SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	Ant Status	Battery	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN2.4G	802.11b	Bottom of Laptop	0	1	Luxshare	ANT 0	SIMPLO	100.00	1.00	16.50	16.48	1.00	-0.18	0.905	0.91
	WLAN2.4G	802.11b	Bottom of Laptop	0	1	Luxshare	ANT 1	SIMPLO	100.00	1.00	16.50	16.45	1.01	-0.02	0.865	0.87
	WLAN2.4G	802.11b	Bottom of Laptop	0	1	Luxshare	ANT 0+1	SIMPLO	100.00	1.00	16.50	16.45	1.01	-0.07	0.842	0.85
	WLAN2.4G	802.11b	Bottom of Laptop	0	6	Luxshare	ANT 0	SIMPLO	100.00	1.00	16.50	16.15	1.08	0.03	0.835	0.90
	WLAN2.4G	802.11b	Bottom of Laptop	0	11	Luxshare	ANT 0	SIMPLO	100.00	1.00	16.50	16.27	1.05	-0.02	0.856	0.90
	WLAN2.4G	802.11b	Bottom of Laptop	0	12	Luxshare	ANT 0	SIMPLO	100.00	1.00	16.50	16.25	1.06	-0.05	0.806	0.85
	WLAN2.4G	802.11b	Bottom of Laptop	0	13	Luxshare	ANT 0	SIMPLO	100.00	1.00	16.50	16.25	1.06	-0.03	0.822	0.87
1	WLAN2.4G	802.11b	Bottom of Laptop	0	1	Innowave	ANT 0	SIMPLO	100.00	1.00	16.50	16.48	1.00	0.01	0.93	0.93
	WLAN2.4G	802.11b	Bottom of Laptop	0	1	Luxshare	ANT 0	BYD	100.00	1.00	16.50	16.48	1.00	-0.02	0.508	0.51
	WLAN2.4G	802.11b	Bottom of Laptop	0	1	Innowave	ANT 0	BYD	100.00	1.00	16.50	16.48	1.00	-0.02	0.791	0.79
R01	WLAN2.4G	802.11b	Bottom of Laptop	0	1	Innowave	ANT 0	SIMPLO	100.00	1.00	16.50	16.48	1.00	0.01	0.911	0.91
	WLAN5.3G	802.11ax HE40	Bottom of Laptop	0	54	Luxshare	ANT 0	SIMPLO	100.00	1.00	18.00	16.96	1.27	-0.13	0.588	0.75
2	WLAN5.3G	802.11ax HE40	Bottom of Laptop	0	54	Luxshare	ANT 1	SIMPLO	100.00	1.00	19.00	17.94	1.28	-0.02	0.757	0.97
	WLAN5.3G	802.11ax HE40	Bottom of Laptop	0	54	Luxshare	ANT 0+1	SIMPLO	100.00	1.00	18.00	16.95	1.27	0.1	0.64	0.81
	WLAN5.3G	802.11ax HE40	Bottom of Laptop	0	62	Luxshare	ANT 1	SIMPLO	100.00	1.00	16.00	13.71	1.69	-0.02	0.453	0.77
	WLAN5.3G	802.11ax HE40	Bottom of Laptop	0	54	Innowave	ANT 1	SIMPLO	100.00	1.00	19.00	17.94	1.28	0.11	0.735	0.94
	WLAN5.3G	802.11ax HE40	Bottom of Laptop	0	54	Luxshare	ANT 1	BYD	100.00	1.00	19.00	17.94	1.28	-0.19	0.459	0.59
	WLAN5.3G	802.11ax HE40	Bottom of Laptop	0	54	Innowave	ANT 1	BYD	100.00	1.00	19.00	17.94	1.28	-0.19	0.462	0.59
	WLAN5.6G	802.11ax HE80	Bottom of Laptop	0	138	Luxshare	ANT 0	SIMPLO	100.00	1.00	17.50	17.47	1.01	0.03	0.731	0.74
3	WLAN5.6G	802.11ax HE80	Bottom of Laptop	0	138	Luxshare	ANT 1	SIMPLO	100.00	1.00	16.50	16.45	1.01	-0.01	0.87	0.88
	WLAN5.6G	802.11ax HE80	Bottom of Laptop	0	138	Luxshare	ANT 0+1	SIMPLO	100.00	1.00	16.50	16.45	1.01	0.1	0.639	0.65
	WLAN5.6G	802.11ax HE80	Bottom of Laptop	0	106	Luxshare	ANT 1	SIMPLO	100.00	1.00	16.00	15.86	1.03	0.03	0.755	0.78
	WLAN5.6G	802.11ax HE80	Bottom of Laptop	0	122	Luxshare	ANT 1	SIMPLO	100.00	1.00	16.50	16.41	1.02	0.03	0.806	0.82
	WLAN5.6G	802.11ax HE80	Bottom of Laptop	0	138	Innowave	ANT 1	SIMPLO	100.00	1.00	16.50	16.45	1.01	-0.03	0.823	0.83
	WLAN5.6G	802.11ax HE80	Bottom of Laptop	0	138	Luxshare	ANT 1	BYD	100.00	1.00	16.50	16.45	1.01	0.15	0.612	0.62
	WLAN5.6G	802.11ax HE80	Bottom of Laptop	0	138	Innowave	ANT 1	BYD	100.00	1.00	16.50	16.45	1.01	-0.03	0.582	0.59
R03	WLAN5.6G	802.11ax HE80	Bottom of Laptop	0	138	Luxshare	ANT 1	SIMPLO	100.00	1.00	16.50	16.45	1.01	-0.01	0.852	0.86
	WLAN5.8G	802.11ax HE80	Bottom of Laptop	0	155	Luxshare	ANT 0	SIMPLO	100.00	1.00	10.00	9.93	1.02	0.03	0.304	0.31
4	WLAN5.8G	802.11ax HE80	Bottom of Laptop	0	155	Luxshare	ANT 1	SIMPLO	100.00	1.00	10.00	9.93	1.02	0.06	0.437	0.45
	WLAN5.8G	802.11ax HE80	Bottom of Laptop	0	155	Luxshare	ANT 0+1	SIMPLO	100.00	1.00	10.00	9.92	1.02	-0.01	0.291	0.30
	WLAN5.8G	802.11ax HE80	Bottom of Laptop	0	155	Innowave	ANT 1	SIMPLO	100.00	1.00	10.00	9.93	1.02	0.08	0.415	0.42
	WLAN5.8G	802.11ax HE80	Bottom of Laptop	0	155	Luxshare	ANT 1	BYD	100.00	1.00	10.00	9.93	1.02	0.17	0.301	0.31
	WLAN5.8G	802.11ax HE80	Bottom of Laptop	0	155	Innowave	ANT 1	BYD	100.00	1.00	10.00	9.93	1.02	-0.04	0.279	0.28
	WLAN5.9G	802.11ax HE80	Bottom of Laptop	0	171	Luxshare	ANT 0	SIMPLO	100.00	1.00	10.00	9.91	1.02	-0.08	0.318	0.32
5	WLAN5.9G	802.11ax HE80	Bottom of Laptop	0	171	Luxshare	ANT 1	SIMPLO	100.00	1.00	10.00	9.89	1.03	0.11	0.476	0.49
	WLAN5.9G	802.11ax HE80	Bottom of Laptop	0	171	Luxshare	ANT 0+1	SIMPLO	100.00	1.00	10.00	9.93	1.02	-0.11	0.235	0.24
	WLAN5.9G	802.11ax HE80	Bottom of Laptop	0	171	Innowave	ANT 1	SIMPLO	100.00	1.00	10.00	9.89	1.03	0.05	0.462	0.48
	WLAN5.9G	802.11ax HE80	Bottom of Laptop	0	171	Luxshare	ANT 1	BYD	100.00	1.00	10.00	9.89	1.03	0.02	0.402	0.41
	WLAN5.9G	802.11ax HE80	Bottom of Laptop	0	171	Innowave	ANT 1	BYD	100.00	1.00	10.00	9.89	1.03	0.01	0.371	0.38
	BT	BDR	Bottom of Laptop	0	39	Luxshare	ANT 1	SIMPLO	75.27	1.33	12.00	11.97	1.01	0.03	0.071	0.10
	BT	BDR	Bottom of Laptop	0	0	Luxshare	ANT 1	SIMPLO	75.27	1.33	12.00	11.95	1.01	-0.1	0.064	0.09
6	BT	BDR	Bottom of Laptop	0	78	Luxshare	ANT 1	SIMPLO	75.27	1.33	12.00	11.92	1.02	-0.04	0.097	0.13
	BT	BDR	Bottom of Laptop	0	78	Innowave	ANT 1	SIMPLO	75.27	1.33	12.00	11.92	1.02	0.05	0.087	0.12

System & Position						DUT Configuration				SAR								APD		Power Density								
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Sample	Ant Status	Power Status	Battery	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)	Measured APD W/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 of Laptop	0	47	Luxshare	ANT 0	SP	SIMPLO	94.63	1.06	17.00	16.95	1.01	0.11	0.815	0.87	5.26	5.63	0.0515	1.57	1.545	4.00	0.01	2.31	3.78	2.72	4.5
	UNII-5	802.11ax HE160	Bottom of Laptop	0	15	Luxshare	ANT 1	SP	SIMPLO	94.63	1.06	17.50	17.46	1.01	-0.19	0.332	0.36	2.38	2.55									
	UNII-5	802.11ax HE160	Bottom of Laptop	0	47	Luxshare	ANT 0+1	SP	SIMPLO	94.63	1.06	17.00	16.97	1.01	0.13	0.424	0.45	2.65	2.84									
	UNII-7	802.11ax HE160	Bottom of Laptop	0	143	Luxshare	ANT 0	SP	SIMPLO	94.63	1.06	17.00	16.94	1.01	0.05	0.456	0.49	4.04	4.33									
	UNII-7	802.11ax HE160	Bottom of Laptop	0	143	Luxshare	ANT 1	SP	SIMPLO	94.63	1.06	17.50	17.43	1.02	0.03	0.601	0.65	4.28	4.63									
	UNII-7	802.11ax HE160	Bottom of Laptop	0	143	Luxshare	ANT 0+1	SP	SIMPLO	94.63	1.06	17.00	16.94	1.01	0.04	0.474	0.51	4.11	4.4									
	UNII-5	802.11ax HE160	Bottom of Laptop	0	15	Luxshare	ANT 0	LPI	SIMPLO	94.63	1.06	12.50	11.47	1.27	-0.02	0.331	0.45	2.12	2.85									
	UNII-5	802.11ax HE160	Bottom of Laptop	0	15	Luxshare	ANT 1	LPI	SIMPLO	94.63	1.06	12.50	11.45	1.27	-0.05	0.272	0.37	2.04	2.75									
	UNII-5	802.11ax HE160	Bottom of Laptop	0	15	Luxshare	ANT 0+1	LPI	SIMPLO	94.63	1.06	12.50	11.47	1.27	-0.06	0.197	0.27	1.61	2.17									
	UNII-6	802.11ax HE160	Bottom of Laptop	0	111	Luxshare	ANT 0	LPI	SIMPLO	94.63	1.06	12.00	10.79	1.32	0.01	0.233	0.33	1.8	2.52									
	UNII-6	802.11ax HE160	Bottom of Laptop	0	111	Luxshare	ANT 1	LPI	SIMPLO	94.63	1.06	12.00	10.67	1.36	-0.02	0.304	0.44	2	2.88									
	UNII-6	802.11ax HE160	Bottom of Laptop	0	111	Luxshare	ANT 0+1	LPI	SIMPLO	94.63	1.06	12.00	10.92	1.28	0.06	0.248	0.34	1.87	2.54									
	UNII-7	802.11ax HE160	Bottom of Laptop	0	175	Luxshare	ANT 0	LPI	SIMPLO	94.63	1.06	12.00	10.70	1.35	0.04	0.138	0.20	1.33	1.9									
	UNII-7	802.11ax HE160	Bottom of Laptop	0	175	Luxshare	ANT 1	LPI	SIMPLO	94.63	1.06	12.00	10.76	1.33	-0.14	0.065	0.09	0.472	0.67									
	UNII-7	802.11ax HE160	Bottom of Laptop	0	175	Luxshare	ANT 0+1	LPI	SIMPLO	94.63	1.06	12.50	11.42	1.28	0.08	0.051	0.07	0.443	0.6									
	UNII-8	802.11ax HE160	Bottom of Laptop	0	207	Luxshare	ANT 0	LPI	SIMPLO	94.63	1.06	12.50	11.43	1.28	-0.04	0.195	0.26	1.57	2.13									
	UNII-8	802.11ax HE160	Bottom of Laptop	0	207	Luxshare	ANT 1	LPI	SIMPLO	94.63	1.06	12.50	11.41	1.29	-0.02	0.205	0.28	0.839	1.15									
	UNII-8	802.11ax HE160	Bottom of Laptop	0	207	Luxshare	ANT 0+1	LPI	SIMPLO	94.63	1.06	12.00	10.91	1.29	0.01	0.183	0.25	0.811	1.11									
	UNII-5	802.11ax HE160	Bottom of Laptop	0	15	Luxshare	ANT 0	SP	SIMPLO	94.63	1.06	17.00	16.92	1.02	0.16	0.654	0.71	4.63	5.01	0.0529	1.64	1.545	4.00	0.02	2.44	4	2.85	4.81
7	UNII-5	802.11ax HE160	Bottom of Laptop	0	79	Luxshare	ANT 0	SP	SIMPLO	94.63	1.06	17.00	16.89	1.03	0.16	0.837	0.91	5.31	5.8	0.0529	1.77	1.545	4.00	0.16	3.45	5.65	3.82	6.44
	UNII-5	802.11ax HE160	Bottom of Laptop	0	15	Innowave	ANT 0	SP	SIMPLO	94.63	1.06	17.00	16.92	1.02	-0.11	0.822	0.89	5.22	5.64	0.0502	1.52	1.545	4.00	0.02	2.25	3.68	2.64	4.41
	UNII-5	802.11ax HE160	Bottom of Laptop	0	47	Innowave	ANT 0	SP	SIMPLO	94.63	1.06	17.00	16.95	1.01	0.07	0.759	0.81	5.11	5.47									
	UNII-5	802.11ax HE160	Bottom of Laptop	0	79	Luxshare	ANT 0	SP	BYD	94.63	1.06	17.00	16.89	1.03	0.05	0.77	0.84	5.01	5.47									
	UNII-5	802.11ax HE160	Bottom of Laptop	0	79	Innowave	ANT 0	SP	BYD	94.63	1.06	17.00	16.89	1.03	-0.15	0.771	0.84	5.06	5.52									
R07	UNII-5	802.11ax HE160	Bottom of Laptop	0	79	Innowave	ANT 0	SP	SIMPLO	94.63	1.06	17.00	16.89	1.03	0.01	0.822	0.90	5.42	5.92	0.0529	1.60	1.545	4.00	0.01	2.39	3.91	2.79	4.71

Appendix G. SAR Measurement Variability

SAR repeated measurement are shown as below.

Repeated SAR

Plot	Band	Mode	Test Position	Ch.	Original Measured SAR-1g (W/kg)	1st Repeated SAR-1g (W/kg)	L/S Ratio
R01	WLAN2.4G	802.11b	Bottom of Laptop	1	0.93	0.911	1.02
R03	WLAN5.6G	802.11ax HE80	Bottom of Laptop	138	0.87	0.852	1.02
R07	UNII-5	802.11ax HE160	Bottom of Laptop	79	0.853	0.822	1.04

Appendix H. Analysis of Simultaneous Transmission.

The analysis of simultaneous transmission SAR are shown as below.

<Possibilities of Simultaneous Transmission>

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

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

Notes

The WLAN 2.4G, WLAN5G and WLAN 6G cannot transmit simultaneously.

Simultaneous Transmission SAR Evaluation & Total Exposure Ratio									
Position	Test Gap (mm)	1	2	3a	3c	4	A (2+4)	B (3a+4)	B (3c+4)
		Max WLAN 2.4GHz	Max WLAN 5GHz	Max WLAN 6GHz	Max WLAN 6GHz iPD	Max BT	Summing result	Summing result	Total Exposure Ratio
		1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	4cm ² W/m ²	1g SAR W/kg	1g SAR W/kg	1g SAR W/kg	
Bottom of Laptop	0	0.93	0.97	0.93	6.44	0.13	1.10	1.06	0.73

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, 2026	1 Year
System Validation Dipole	SPEAG	D5GHzV2	1019	Feb. 19, 2026	1 Year
System Validation Dipole	SPEAG	D6.5GHzV2	1008	Sep. 10, 2025	1 Year
System Verification Source	SPEAG	5G Verification Source 10 GHz	1025	Jan. 14, 2026	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3650	Jan. 26, 2026	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	7778	Nov. 07, 2025	1 Year
E-Field Probe	SPEAG	EUmmWV4	9438	Mar. 12, 2026	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1585	May. 13, 2026	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1341	Mar. 11, 2026	1 Year
Data Acquisition Electronics	SPEAG	DAE4	1761	Sep. 11, 2025	1 Year
Analong Signal Generator	R&S	SMA100B	104417	Oct. 20, 2025	1 Year
Mini-Circuits Wideband Amplifier	Mini-Circuits	ZVA-183-S+	434502031A	Jun. 10, 2026	1 Year
Power Meter	Anritsu	ML2488B	1141007	Dec. 03, 2025	1 Year
Power Sensor	Anritsu	SC7816	1131049	Dec. 03, 2025	1 Year
Spectrum Analyzer	R&S	FPH	103561	Jan. 06, 2026	1 Year
Thermometer	YFE	YF-160A	120702365	Sep. 10, 2025	1 Year
Dielectric Assessment Kit	SPEAG	DAKS-3.5	1092	May. 11, 2026	1 Year
Dielectric Assessment Kit	SPEAG	DAKS_VNA R140	0010917	May. 12, 2026	1 Year
Powersource1	SPEAG	SE_UMS_160 BA	4263	Jan. 14, 2026	1 Year

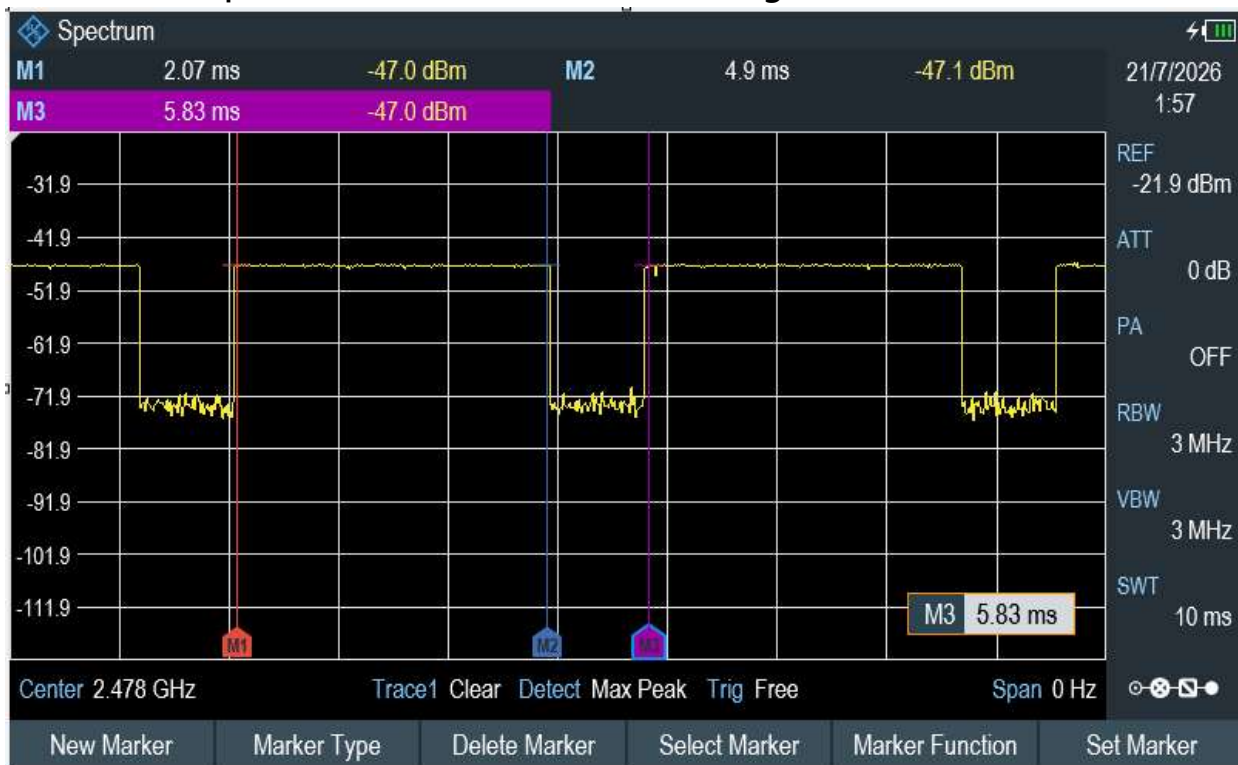
Appendix K. Considerations Related to Bluetooth for Setup and Testing

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.

$$\text{Duty Factor} = \text{Pulse Width} / \text{Total Period} = (4.9 - 2.07) / (5.83 - 2.07) = 75.27\%$$