Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

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Accreditation No.: SCS 0108

Client TüV SÜD UK

Certificate No: 5G-Veri10-1053_Oct22

CALIBRATION CERTIFICATE

Object	5G Verification Source 10 GHz - SN: 1053
Calibration procedure(s)	QA CAL-45.v3 Calibration procedure for sources in air above 6 GHz
Calibration date:	October 27, 2022

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Reference Probe EUmmWV3	SN: 9374	2021-12-21(No. EUmmWV3-9374_Dec21)	Dec-22
DAE4ip	SN: 1602	2022-06-27 (No. DAE4ip-1602_Jun22)	Jun-23

Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator Anapico APSIN20G	SN: 827	18-Dec-18 (in house check Dec-21)	In house check: Dec-23

	Name	Function	Signature
Calibrated by:	Leif Klysner	Laboratory Technician	
Approved by:	Sven Kühn	Technical Manager	

Issued: October 27, 2022

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Glossary

CW Continuous wave

Calibration is Performed According to the Following Standards

- Internal procedure QA CAL-45-5Gsources
- IEC TR 63170 ED1, "Measurement procedure for the evaluation of power density related to human exposure to radio frequency fields from wireless communication devices operating between 6 GHz and 100 GHz", January 2018

Methods Applied and Interpretation of Parameters

- *Coordinate System:* z-axis in the waveguide horn boresight, x-axis is in the direction of the E-field, y-axis normal to the others in the field scanning plane parallel to the horn flare and horn flange.
- *Measurement Conditions: (1) 10 GHz:* The radiated power is the forward power to the horn antenna minus ohmic and mismatch loss. The forward power is measured prior and after the measurement with a power sensor. During the measurements, the horn is directly connected to the cable and the antenna ohmic and mismatch losses are determined by far-field measurements. *(2) 30, 45, 60 and 90 GHz*: The verification sources are switched on for at least 30 minutes. Absorbers are used around the probe cub and at the ceiling to minimize reflections.
- *Horn Positioning:* The waveguide horn is mounted vertically on the flange of the waveguide source to allow vertical positioning of the EUmmW probe during the scan. The plane is parallel to the phantom surface. Probe distance is verified using mechanical gauges positioned on the flare of the horn.
- *E- field distribution:* E field is measured in two x-y-plane (10mm, 10mm + $\lambda/4$) with a vectorial E-field probe. The E-field value stated as calibration value represents the E-field-maxima and the averaged (1cm^2 and 4cm^2) power density values at 10mm in front of the horn.
- *Field polarization:* Above the open horn, linear polarization of the field is expected. This is verified graphically in the field representation.

Calibrated Quantity

- Local peak E-field (V/m) and average of peak spatial components of the poynting vector (W/m^2) averaged over the surface area of 1 cm^2 and 4cm^2 at the nominal operational frequency of the verification source. Both square and circular averaging results are listed.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY8 Module mmWave	V3.0
Phantom	5G Phantom	
Distance Horn Aperture - plane	10 mm	
XY Scan Resolution	dx, dy = 7.5 mm	
Number of measured planes	2 (10mm, 10mm + λ/4)	
Frequency	10 GHz ± 10 MHz	

Calibration Parameters, 10 GHz

Circular Averaging

Distance Horn Aperture to Measured Plane	*Prad*[1] *(mW)*	Max E-field (V/m)	Uncertainty (k = 2)	Avg Power Density Avg (psPDn+, psPDtot+, psPDmod+) (W/m^2)		Uncertainty (k = 2)
				1 cm^2	4 cm^2	
10 mm	86.1	**147**	1.27 dB	**54.1**	**50.1**	1.28 dB

Square Averaging

Distance Horn Aperture to Measured Plane	*Prad*[1] *(mW)*	Max E-field (V/m)	Uncertainty (k = 2)	Avg Power Density Avg (psPDn+, psPDtot+, psPDmod+) (W/m^2)		Uncertainty (k = 2)
				1 cm^2	4 cm^2	
10 mm	86.1	**147**	1.27 dB	**54.2**	**50.1**	1.28 dB

[1] Assessed ohmic and mismatch loss plus numerical offset: 0.55 dB

DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 10 GHz	100.0 x 100.0 x 172.0	SN: 1053	-

Exposure Conditions

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

Hardware Setup

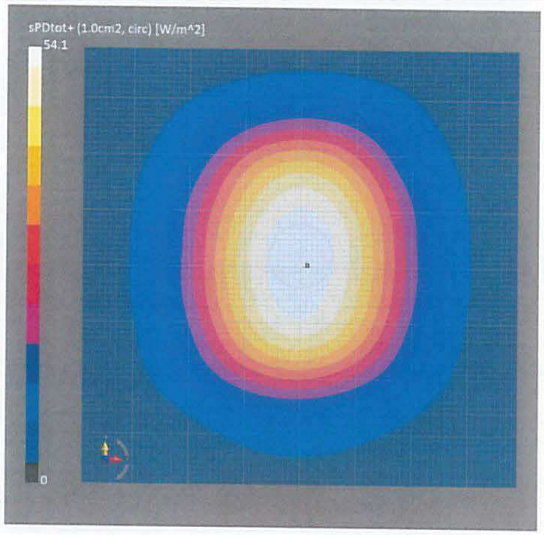
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-55GHz, 2021-12-21	DAE4ip Sn1602, 2022-06-27

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	MAIA not used

Measurement Results

	5G Scan
Date	2022-10-27, 10:18
Avg. Area [cm²]	1.00
psPDn+ [W/m²]	54.0
psPDtot+ [W/m²]	54.1
psPDmod+ [W/m²]	54.2
E_{max} [V/m]	147
Power Drift [dB]	0.03



DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 10 GHz	100.0 x 100.0 x 172.0	SN: 1053	-

Exposure Conditions

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

Hardware Setup

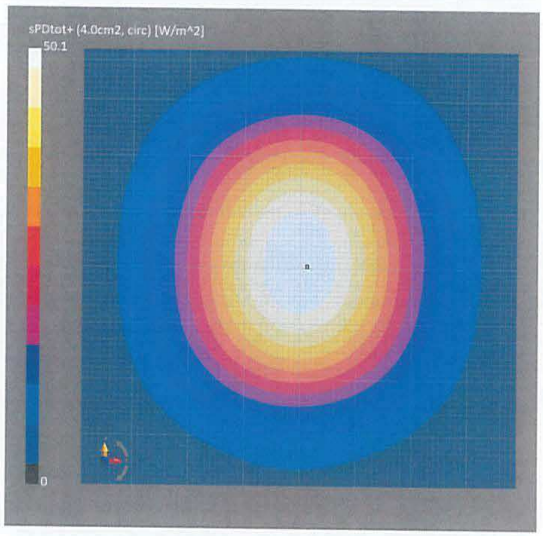
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-55GHz, 2021-12-21	DAE4ip Sn1602, 2022-06-27

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	MAIA not used

Measurement Results

	5G Scan
Date	2022-10-27, 10:18
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	49.9
psPDtot+ [W/m²]	50.1
psPDmod+ [W/m²]	50.3
E_{max} [V/m]	147
Power Drift [dB]	0.03



DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 10 GHz	100.0 x 100.0 x 172.0	SN: 1053	-

Exposure Conditions

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

Hardware Setup

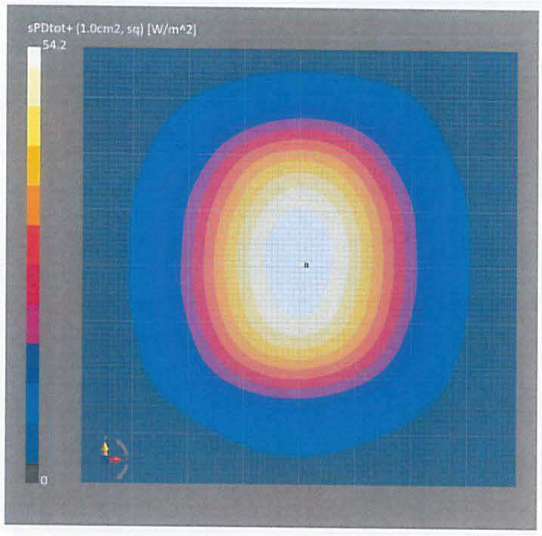
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-55GHz, 2021-12-21	DAE4ip Sn1602, 2022-06-27

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	MAIA not used

Measurement Results

	5G Scan
Date	2022-10-27, 10:18
Avg. Area [cm²]	1.00
psPDn+ [W/m²]	54.1
psPDtot+ [W/m²]	54.2
psPDmod+ [W/m²]	54.4
E_{max} [V/m]	147
Power Drift [dB]	0.03



DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 10 GHz	100.0 x 100.0 x 172.0	SN: 1053	-

Exposure Conditions

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

Hardware Setup

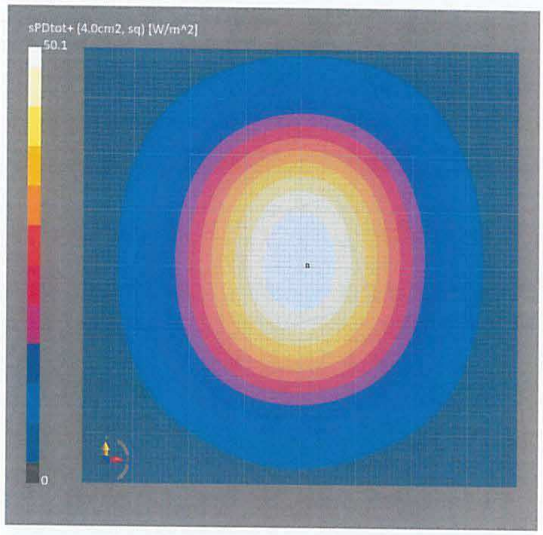
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-55GHz, 2021-12-21	DAE4ip Sn1602, 2022-06-27

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	MAIA not used

Measurement Results

	5G Scan
Date	2022-10-27, 10:18
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	49.9
psPDtot+ [W/m²]	50.1
psPDmod+ [W/m²]	50.2
E_{max} [V/m]	147
Power Drift [dB]	0.03



ANNEX C

TEST RESULTS

Measurement Report for A2918, Bottom, ISM 2.4 GHz Band, IEEE 802.15.1 Bluetooth (GFSK, DH5), Channel 39 (2441.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.76	1.85	39.1

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.23 deg.C 2023-May-04 SYS1 B1.prn, 2023-May-04	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-05, 03:19	2023-05-05, 03:28
psSAR1g [W/Kg]	0.353	0.373
psSAR10g [W/Kg]	0.171	0.164
Power Drift [dB]	0.00	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		69.9
Dist 3dB Peak [mm]		8.0

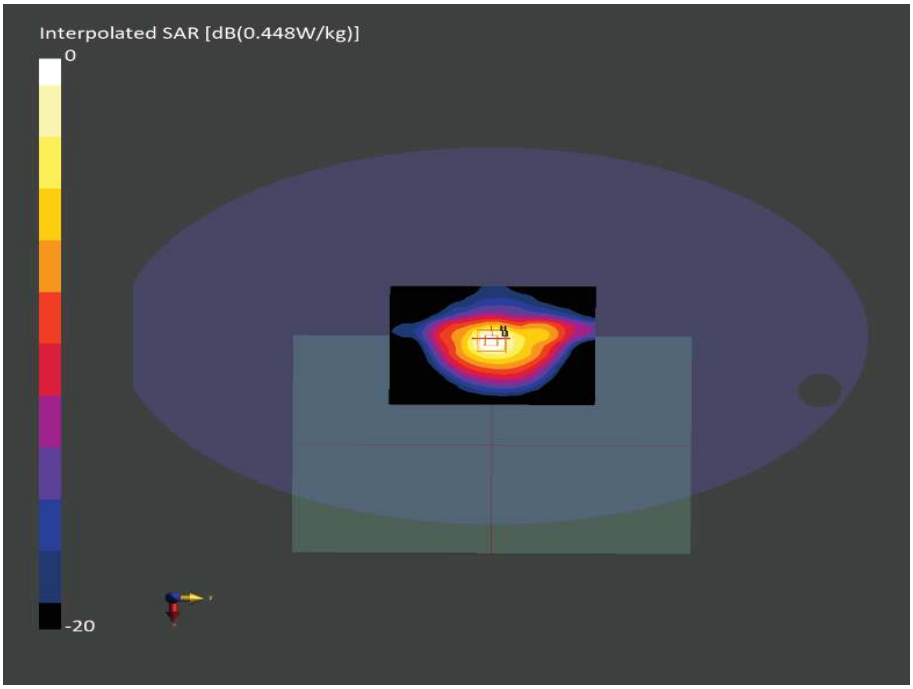


Figure C.1: SAR Testing Results for the A2918 at 2441.0 MHz

Measurement Report for A2918, Bottom, ISM 2.4 GHz Band, IEEE 802.15.1 Bluetooth (GFSK, DH5), Channel 78 (2480.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2480.0, 78	7.76	1.88	39.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.23 deg.C 2023-May-04 SYS1 B1.prn, 2023-May-04	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-05, 04:48	2023-05-05, 04:57
psSAR1g [W/Kg]	0.316	0.320
psSAR10g [W/Kg]	0.156	0.146
Power Drift [dB]	-0.04	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		71.4
Dist 3dB Peak [mm]		8.3

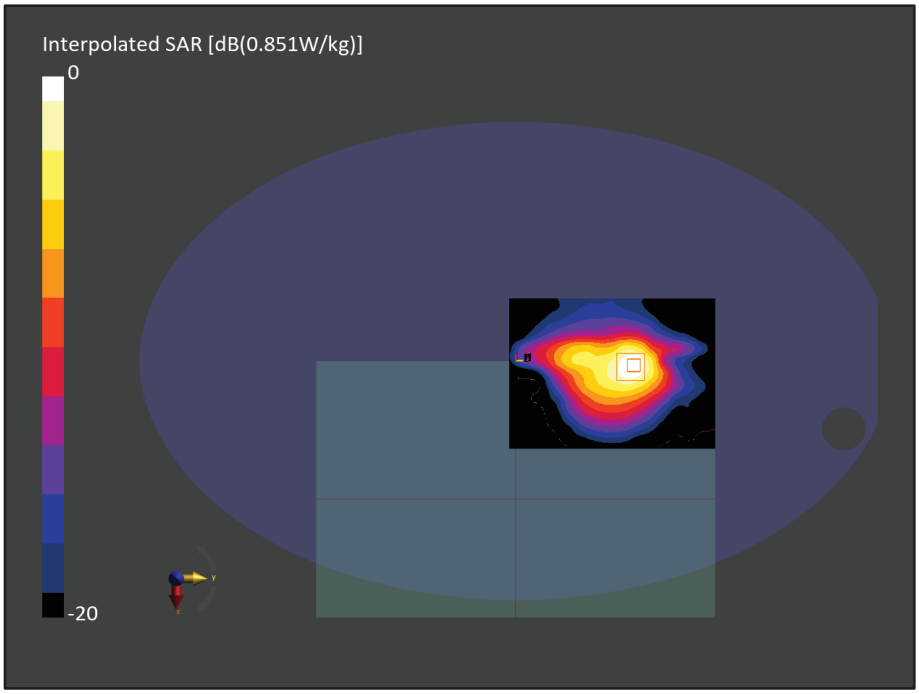


Figure C.2: SAR Testing Results for the A2918 at 2480.0 MHz

Measurement Report for A2918, Bottom, ISM 2.4 GHz Band, IEEE 802.15.1 Bluetooth (GFSK, DH5), Channel 39 (2441.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.0, 39	7.76	1.88	38.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 19.68 deg.C 2023-Apr-24 SYS1 B1.prn, 2023-Apr-24	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	160.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-04-27, 18:05	2023-04-27, 18:16
psSAR1g [W/Kg]	0.089	0.092
psSAR10g [W/Kg]	0.043	0.042
Power Drift [dB]	-0.03	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		69.9
Dist 3dB Peak [mm]		8.1

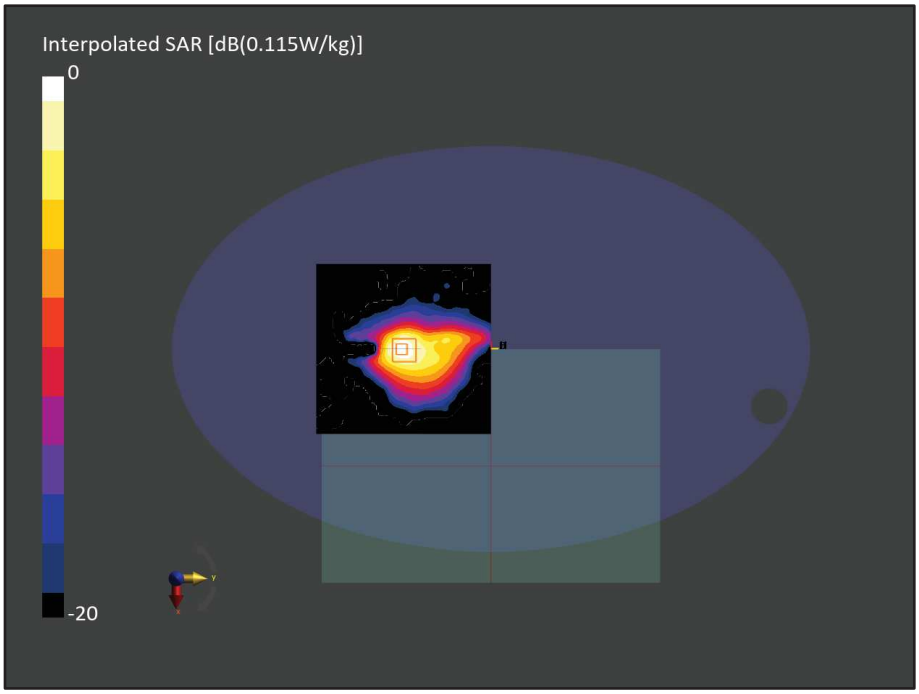


Figure C.3: SAR Testing Results for the A2918 at 2441.0 MHz

Measurement Report for A2918, Bottom, NB UNII-1, HDR8, Channel 5250000 (5250.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	UNII-1	CW, 0--	5250.0, 5250000	5.75	4.59	33.9

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.23 deg.C 2023-May-04 SYS1 B1.prn, 2023-May-04	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-05, 07:18	2023-05-05, 07:29
psSAR1g [W/Kg]	0.483	0.550
psSAR10g [W/Kg]	0.175	0.180
Power Drift [dB]	0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		62.3
Dist 3dB Peak [mm]		7.2

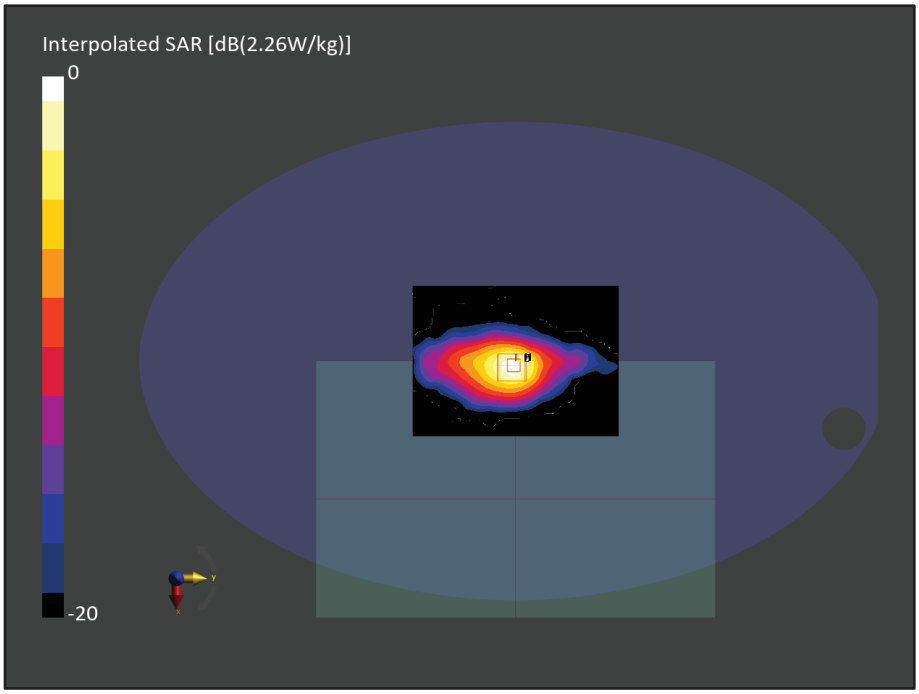


Figure C.4: SAR Testing Results for the A2918 at 5250.0 MHz

Measurement Report for A2918, Bottom, NB UNII-1, HDR8, Channel 5250000 (5250.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	UNII-1	CW, 0--	5250.0, 5250000	5.75	4.69	34.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-09, 12:51	2023-05-09, 13:01
psSAR1g [W/Kg]	0.981	0.990
psSAR10g [W/Kg]	0.345	0.340
Power Drift [dB]	-0.02	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		62.5
Dist 3dB Peak [mm]		7.9

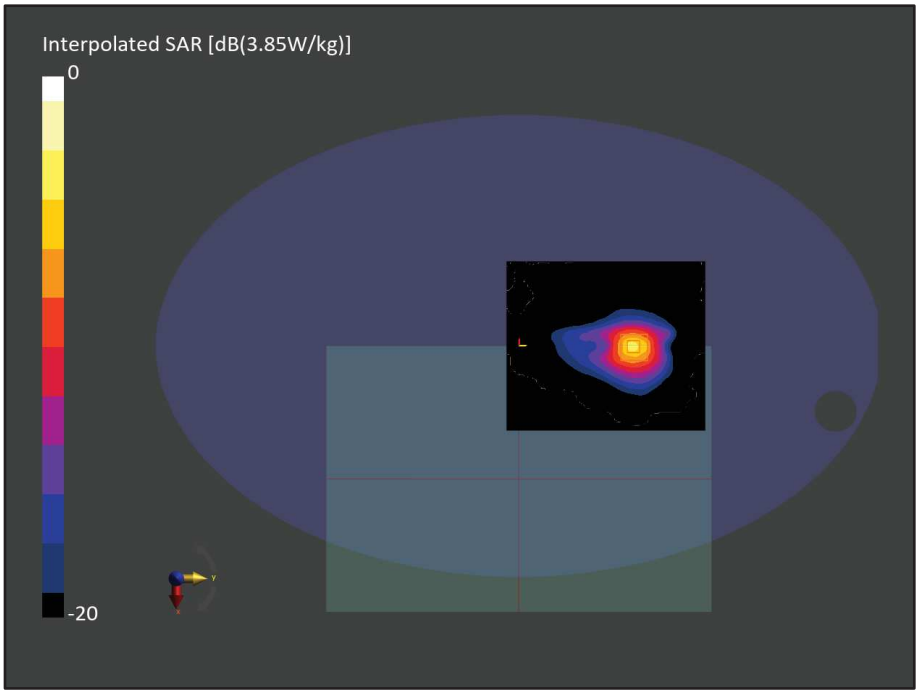


Figure C.5: SAR Testing Results for the A2918 at 5250.0 MHz

Measurement Report for A2918, Bottom, NB UNII-3, HDR4, Channel 5850000 (5850.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	UNII-3	CW, 0--	5850.0, 5850000	5.12	5.36	33.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-09, 15:15	2023-05-09, 15:25
psSAR1g [W/Kg]	0.831	0.889
psSAR10g [W/Kg]	0.277	0.284
Power Drift [dB]	-0.01	-0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		57.3
Dist 3dB Peak [mm]		7.2

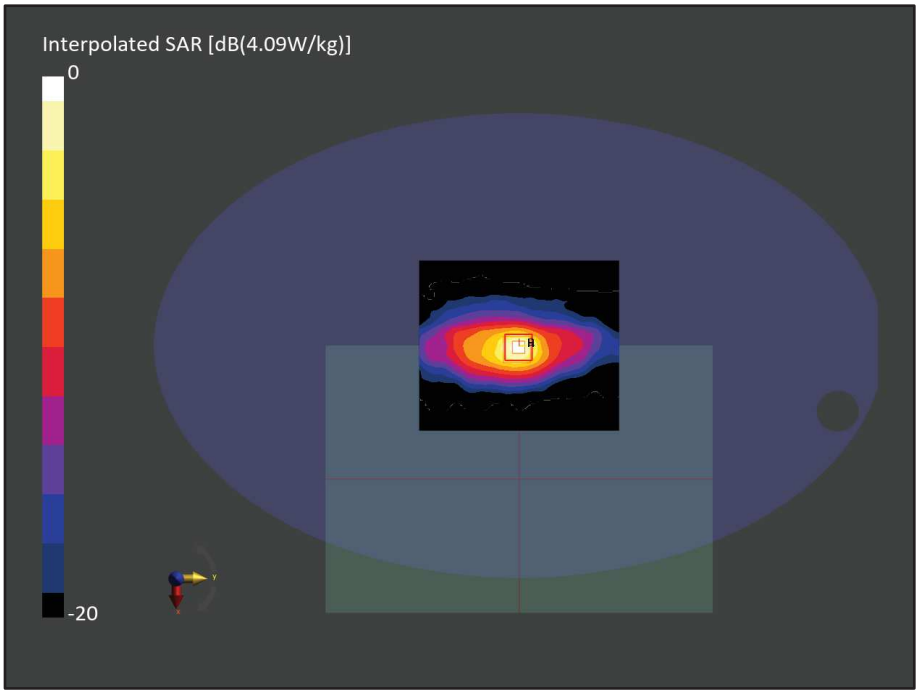


Figure C.6: SAR Testing Results for the A2918 at 5850.0 MHz

Measurement Report for A2918, Bottom, NB UNII-3, HDR4, Channel 5725000 (5725.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	UNII-3	CW, 0--	5725.0, 5725000	5.12	5.23	33.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-09, 17:52	2023-05-09, 18:05
psSAR1g [W/Kg]	1.22	1.15
psSAR10g [W/Kg]	0.427	0.393
Power Drift [dB]	-0.04	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		57.9
Dist 3dB Peak [mm]		8.0

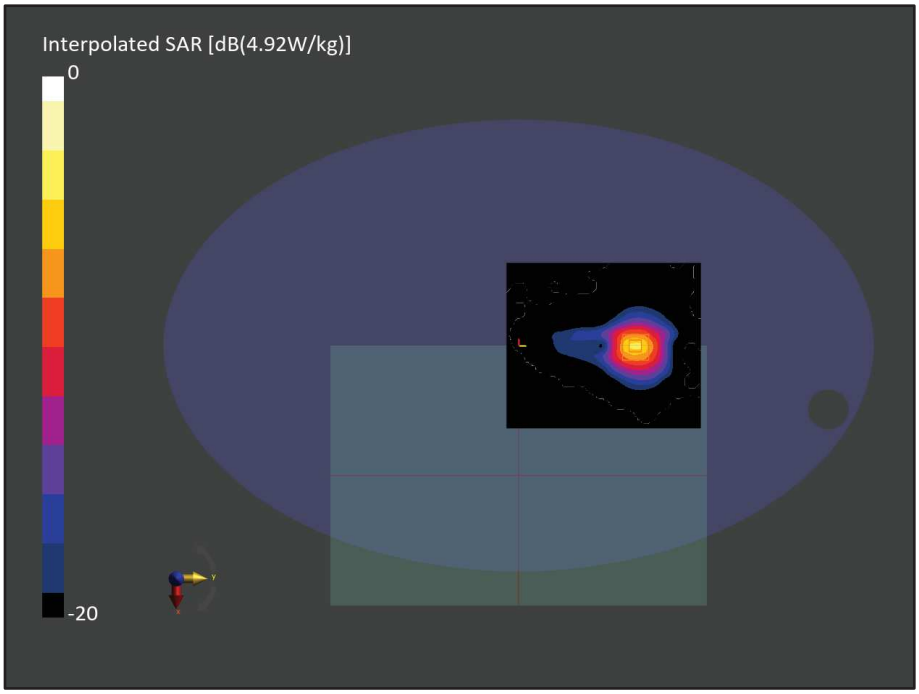


Figure C.7: SAR Testing Results for the A2918 at 5725.0 MHz

Measurement Report for A2918, Bottom, NB UNII-1, HDR8, Channel 5250000 (5250.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	UNII-1	CW, 0--	5250.0, 5250000	5.75	4.69	34.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-10, 13:32	2023-05-10, 13:45
psSAR1g [W/Kg]	0.446	0.503
psSAR10g [W/Kg]	0.157	0.168
Power Drift [dB]	0.09	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		60.5
Dist 3dB Peak [mm]		7.9

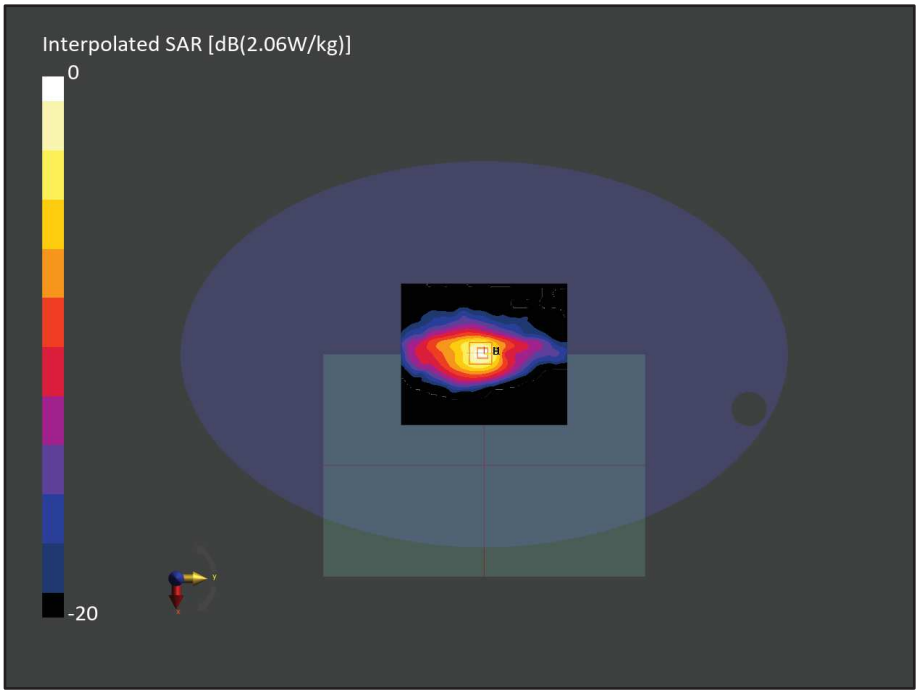


Figure C.8: SAR Testing Results for the A2918 at 5250.0 MHz

Measurement Report for A2918, Bottom, NB UNII-1, HDR8, Channel 5250000 (5250.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	UNII-1	CW, 0--	5250.0, 5250000	5.75	4.69	34.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-10, 16:31	2023-05-10, 16:41
psSAR1g [W/Kg]	0.697	0.704
psSAR10g [W/Kg]	0.245	0.235
Power Drift [dB]	0.06	0.06
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		62.2
Dist 3dB Peak [mm]		7.3

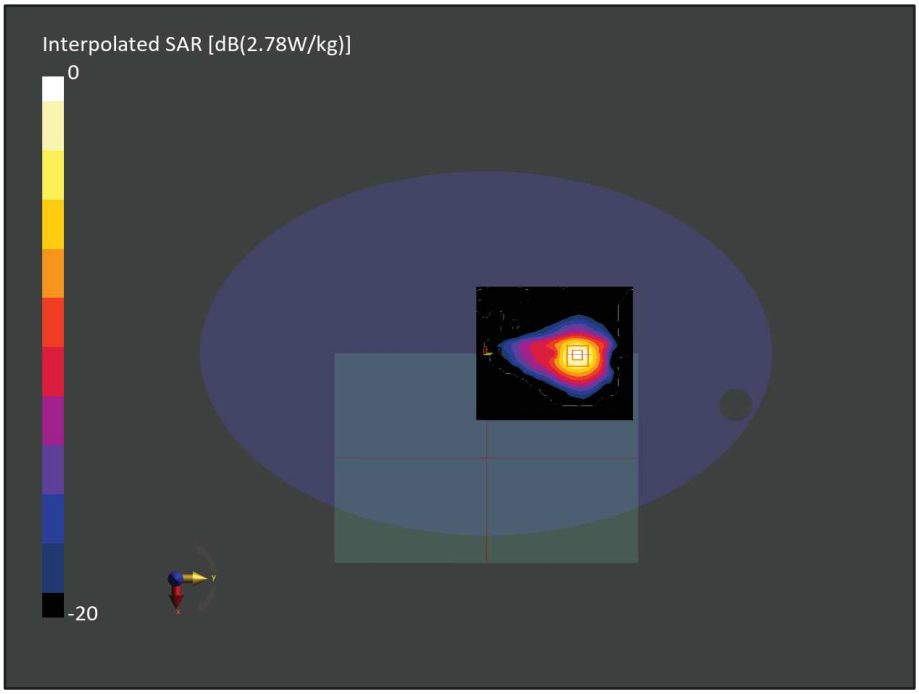


Figure C.9: SAR Testing Results for the A2918 at 5250.0 MHz

Measurement Report for A2918, Bottom, NB UNII-3, HDR4, Channel 5850000 (5850.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	UNII-3	CW, 0--	5850.0, 5850000	5.12	5.36	33.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-10, 18:07	2023-05-10, 18:17
psSAR1g [W/Kg]	0.485	0.533
psSAR10g [W/Kg]	0.156	0.164
Power Drift [dB]	0.00	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		55.9
Dist 3dB Peak [mm]		6.6

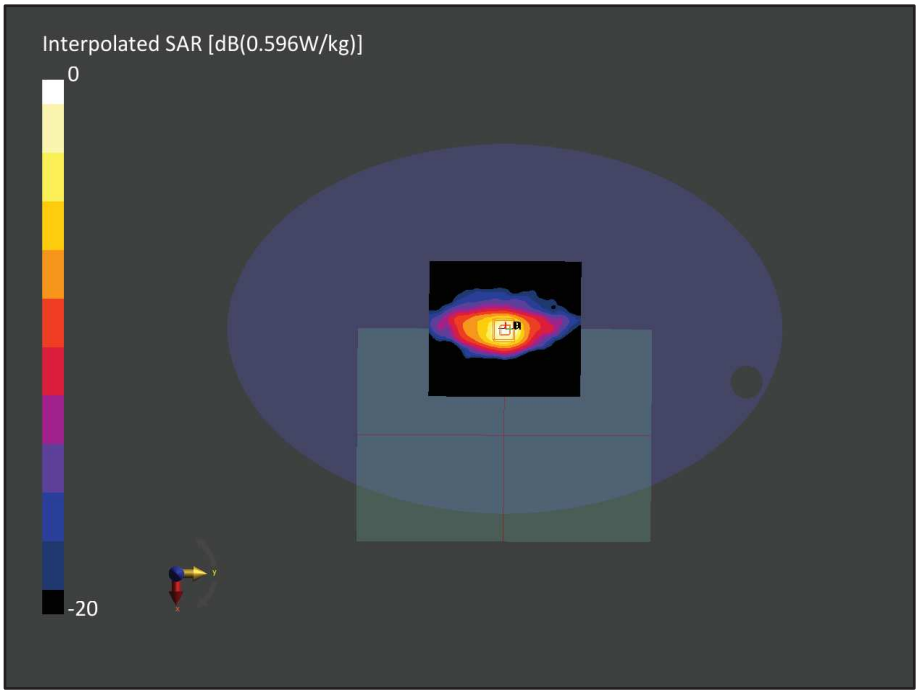


Figure C.10: SAR Testing Results for the A2918 at 5850.0 MHz

Measurement Report for A2918, Bottom, NB UNII-3, HDR4, Channel 5725000 (5725.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	UNII-3	CW, 0--	5725.0, 5725000	5.12	5.23	33.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	140.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-10, 18:29	2023-05-10, 18:39
psSAR1g [W/Kg]	0.719	0.712
psSAR10g [W/Kg]	0.252	0.237
Power Drift [dB]	0.01	0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		58.3
Dist 3dB Peak [mm]		7.9

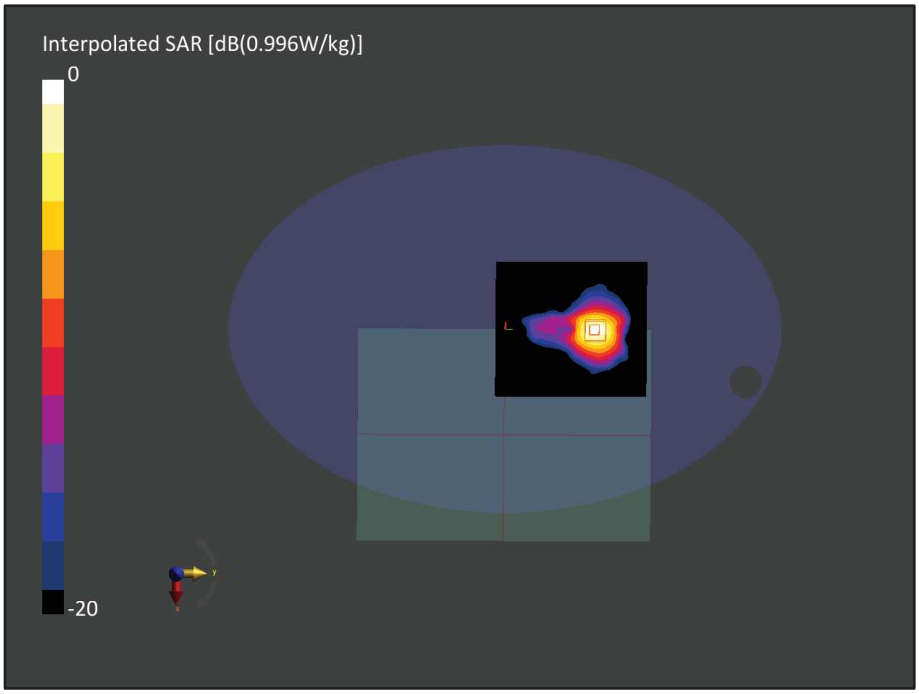


Figure C.11: SAR Testing Results for the A2918 at 5725.0 MHz

Measurement Report for A2918, Bottom, Custom Band, IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1), Channel 2440000 (2440.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	Custom Band	CW, 10033-CAA	2440.0, 2440000	7.76	1.87	38.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.20 deg.C 2023-May-11 SYS1 B1.prn, 2023-May-11	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-13, 06:27	2023-05-13, 06:36
psSAR1g [W/Kg]	0.850	0.895
psSAR10g [W/Kg]	0.410	0.392
Power Drift [dB]	0.03	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		69.6
Dist 3dB Peak [mm]		8.0

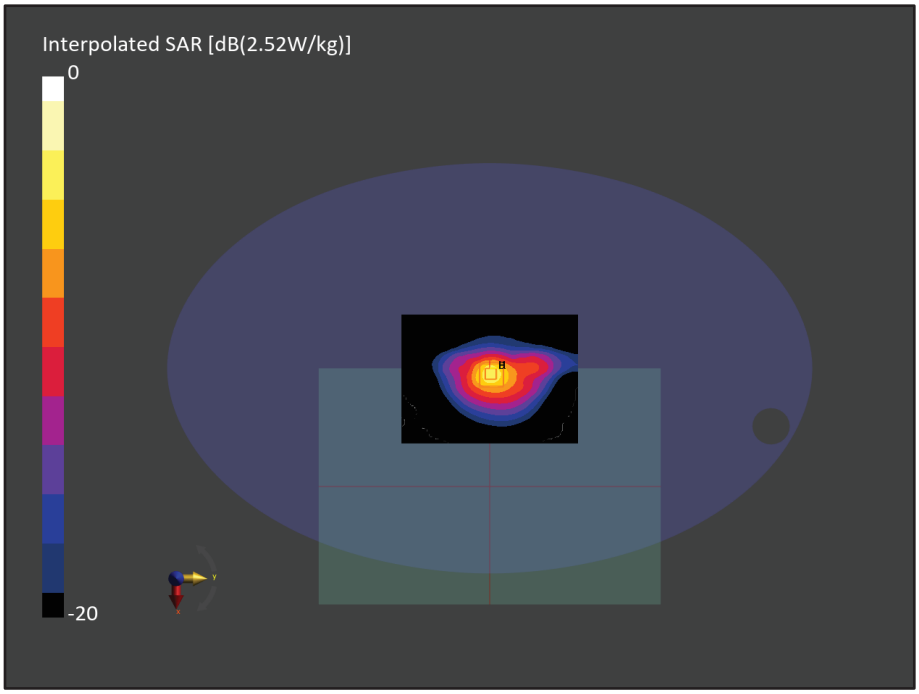


Figure C.12: SAR Testing Results for the A2918 at 2440.0 MHz

Measurement Report for A2918, Bottom, Custom Band, IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1), Channel 2480000 (2480.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	Custom Band	CW, 10033-CAA	2480.0, 2480000	7.76	1.90	38.7

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.20 deg.C 2023-May-11 SYS1 B1.prn, 2023-May-11	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-13, 08:35	2023-05-13, 08:44
psSAR1g [W/Kg]	0.615	0.619
psSAR10g [W/Kg]	0.302	0.279
Power Drift [dB]	-0.01	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		71.0
Dist 3dB Peak [mm]		9.0

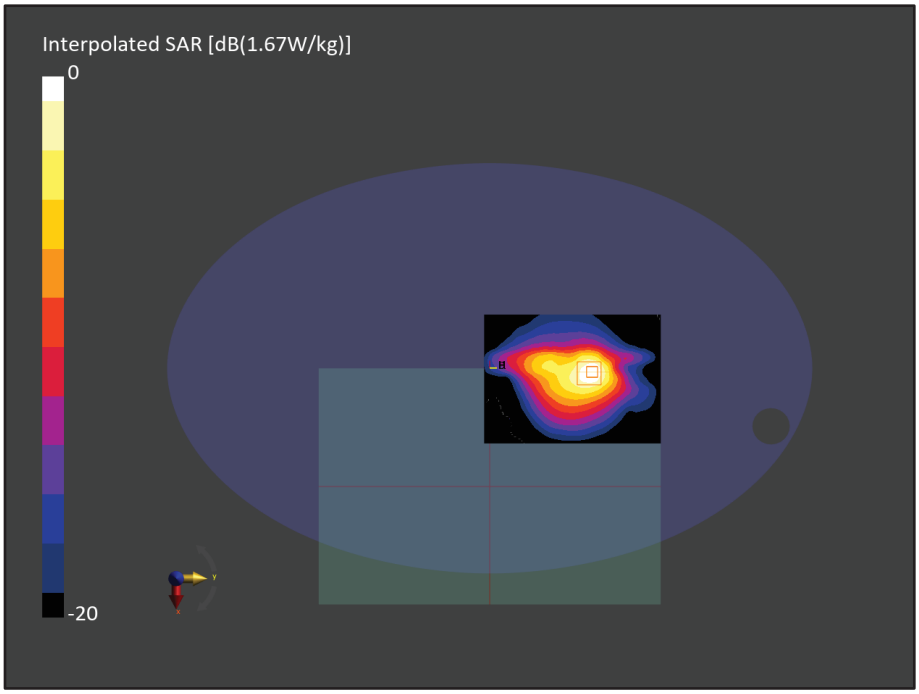


Figure C.13: SAR Testing Results for the A2918 at 2480.0 MHz

Measurement Report for A2918, Bottom, Channel 2440000 (2440.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	Custom Band	CW, 0--	2440.0, 2440000	7.76	1.86	39.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 19.10 deg.C 2023-May-15 SYS1 B1.prn, 2023-May-15	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-15, 15:58	2023-05-15, 16:09
psSAR1g [W/Kg]	0.127	0.130
psSAR10g [W/Kg]	0.062	0.058
Power Drift [dB]	-0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		71.7
Dist 3dB Peak [mm]		8.6

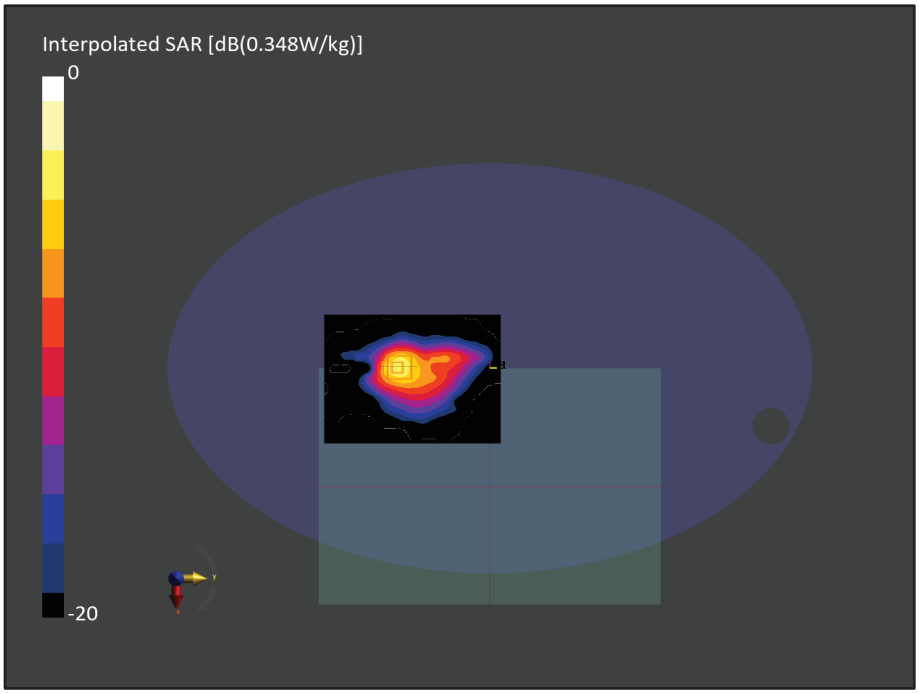


Figure C.14: SAR Testing Results for the A2918 at 2440.0 MHz

Measurement Report for A2918, Bottom, Channel 2440000 (2440.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	Custom Band	CW, 0--	2440.0, 2440000	7.76	1.86	39.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 19.10 deg.C 2023-May-15 SYS1 B1.prn, 2023-May-15	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-15, 14:16	2023-05-15, 14:25
psSAR1g [W/Kg]	0.353	0.355
psSAR10g [W/Kg]	0.163	0.156
Power Drift [dB]	0.02	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		69.8
Dist 3dB Peak [mm]		9.0

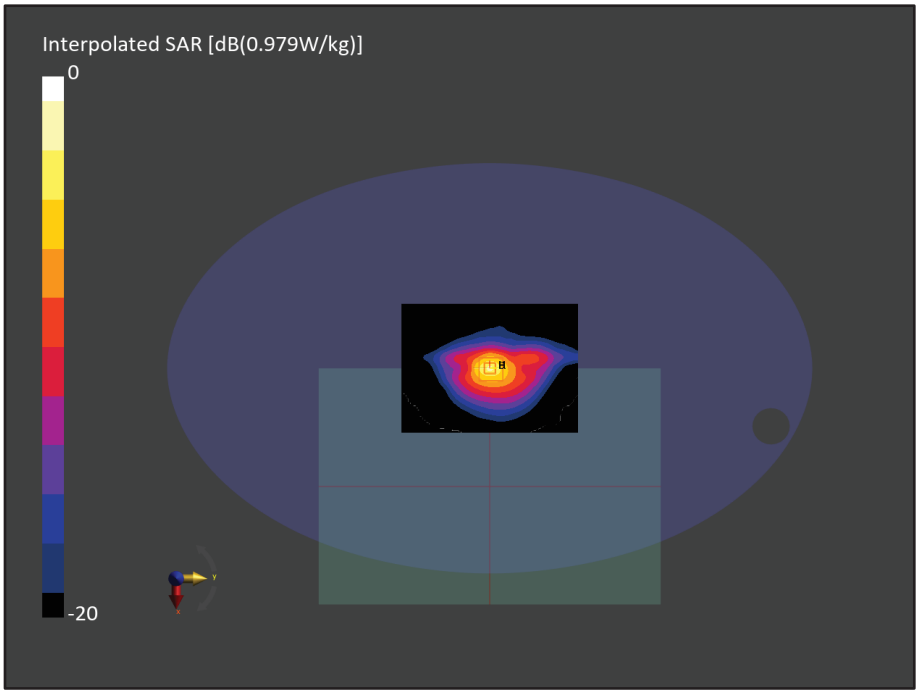


Figure C.15: SAR Testing Results for the A2918 at 2440.0 MHz

Measurement Report for A2918, Bottom, Channel 2480000 (2480.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	Custom Band	CW, 0--	2480.0, 2480000	7.76	1.89	39.2

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 19.10 deg.C 2023-May-15 SYS1 B1.prn, 2023-May-15	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-15, 15:10	2023-05-15, 15:19
psSAR1g [W/Kg]	0.297	0.303
psSAR10g [W/Kg]	0.145	0.137
Power Drift [dB]	-0.02	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		70.7
Dist 3dB Peak [mm]		9.0

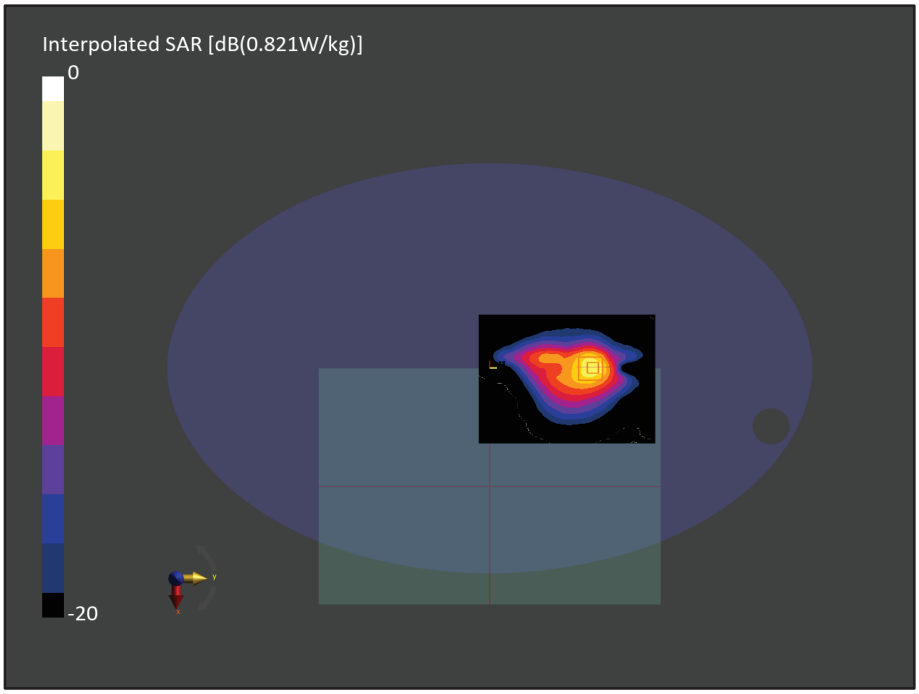


Figure C.16: SAR Testing Results for the A2918 at 2480.0 MHz

Measurement Report for A2918, Bottom, WLAN 2.4 GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 11 (2462.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 2.4 GHz	WLAN, 10415-AAA	2462.0, 11	7.76	1.87	39.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-10, 02:19	2023-05-10, 02:28
psSAR1g [W/Kg]	0.791	0.839
psSAR10g [W/Kg]	0.377	0.362
Power Drift [dB]	-0.02	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		69.1
Dist 3dB Peak [mm]		7.7

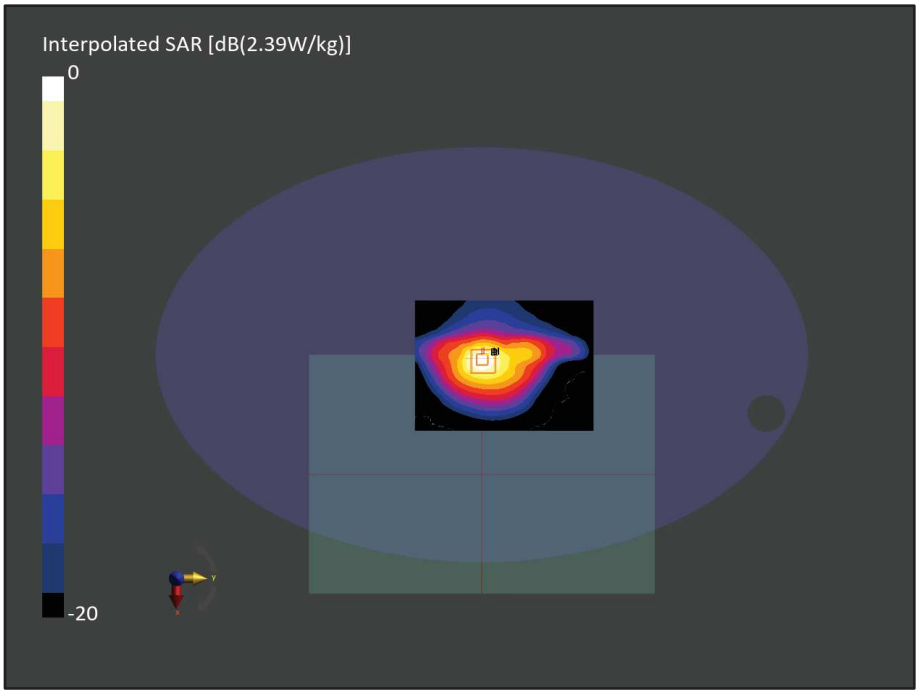


Figure C.17: SAR Testing Results for the A2918 at 2462.0 MHz

Measurement Report for A2918, Bottom, WLAN 2.4 GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 11 (2462.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 2.4 GHz	WLAN, 10415-AAA	2462.0, 11	7.76	1.87	39.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-10, 03:11	2023-05-10, 03:20
psSAR1g [W/Kg]	0.610	0.611
psSAR10g [W/Kg]	0.298	0.274
Power Drift [dB]	-0.02	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		72.1
Dist 3dB Peak [mm]		8.6

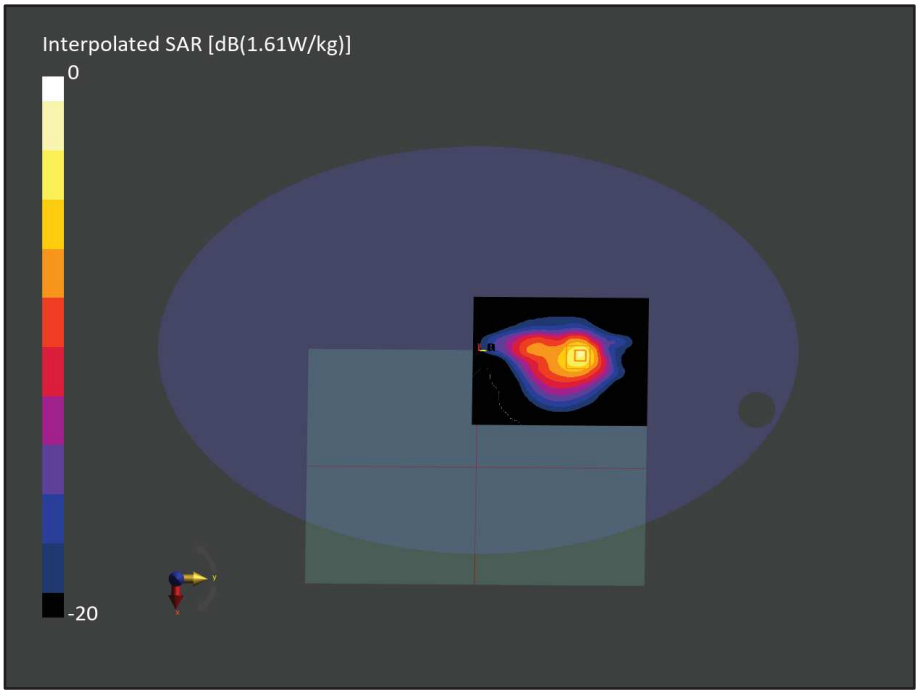


Figure C.18: SAR Testing Results for the A2918 at 2462.0 MHz

Measurement Report for A2918, Bottom, WLAN 2.4 GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Channel 10 (2457.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BACK, 0.00	WLAN 2.4 GHz	WLAN, 10193-CAD	, 10	7.76	1.87	39.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan	Zoom Scan
Grid Extents [mm]	x 220.0	30.0 x 30.0 x 30.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	n/a	Yes	Yes
Grading Ratio	n/a	1.5	1.5
MAIA	N/A	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan	Zoom Scan
Date	2023-05-10, 06:27	2023-05-10, 06:36	2023-05-10, 06:45
psSAR1g [W/Kg]	0.664	0.710	0.565
psSAR10g [W/Kg]	0.321	0.314	0.257
Power Drift [dB]	-0.04	-0.06	-0.06
Power Scaling	Disabled	Disabled	Disabled
Scaling Factor [dB]			
TSL Correction	Positive only	Positive only	Positive only
M2/M1 [%]		70.1	70.8
Dist 3dB Peak [mm]		8.0	8.1

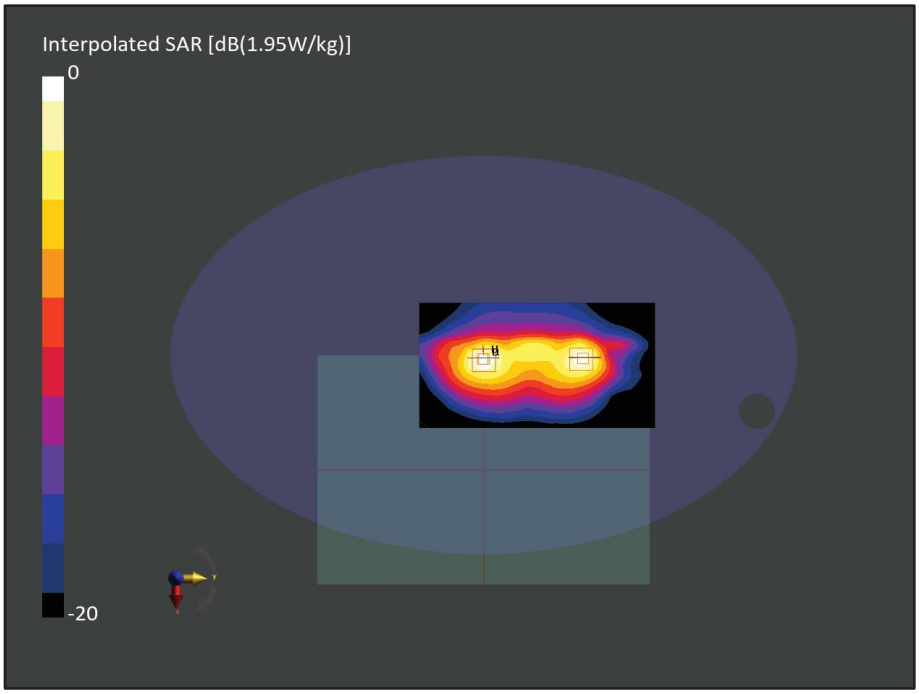


Figure C.19: SAR Testing Results for the A2918 at 2457.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle), Channel 42 (5210.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10544-AAC	5210.0, 42	5.75	4.65	34.6

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-11, 02:13	2023-05-11, 02:24
psSAR1g [W/Kg]	0.843	0.929
psSAR10g [W/Kg]	0.300	0.307
Power Drift [dB]	-0.00	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		61.5
Dist 3dB Peak [mm]		6.9

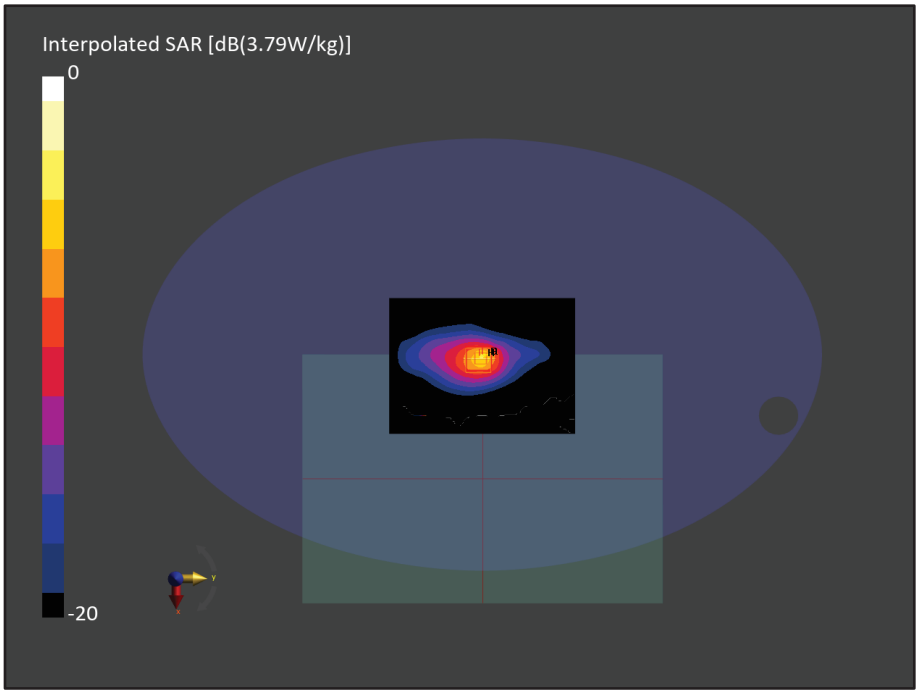


Figure C.20: SAR Testing Results for the A2918 at 5210.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle), Channel 50 (5250.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10554-AAD	5250.0, 50	5.75	4.69	34.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-11, 03:19	2023-05-11, 03:29
psSAR1g [W/Kg]	0.946	1.06
psSAR10g [W/Kg]	0.346	0.352
Power Drift [dB]	0.02	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		61.6
Dist 3dB Peak [mm]		7.6

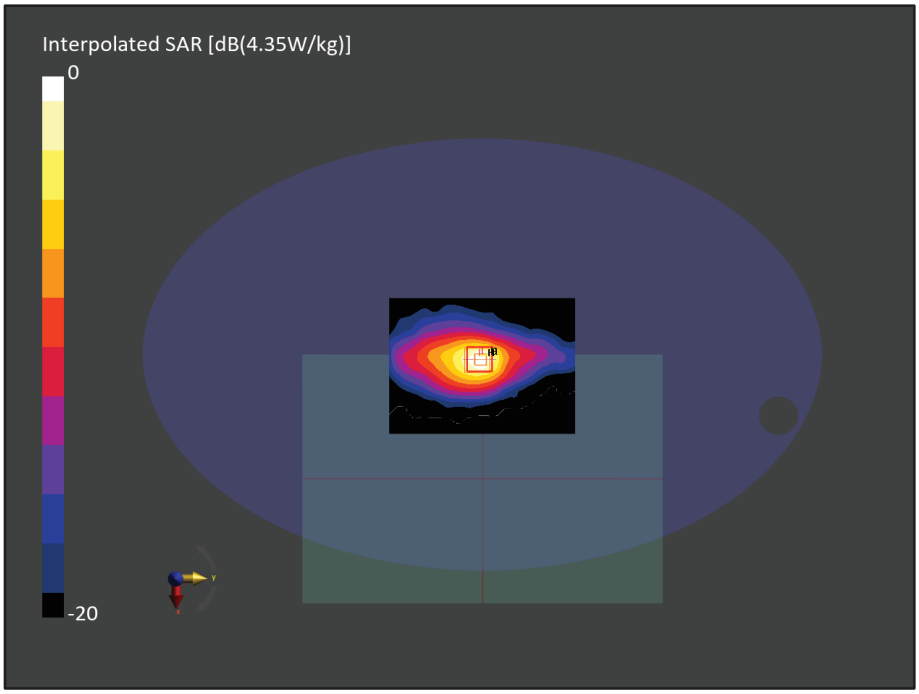


Figure C.21: SAR Testing Results for the A2918 at 5250.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle), Channel 58 (5290.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10544-AAC	5290.0, 58	5.58	4.74	34.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-11, 04:12	2023-05-11, 04:22
psSAR1g [W/Kg]	1.03	1.11
psSAR10g [W/Kg]	0.379	0.381
Power Drift [dB]	0.03	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		62.5
Dist 3dB Peak [mm]		8.0

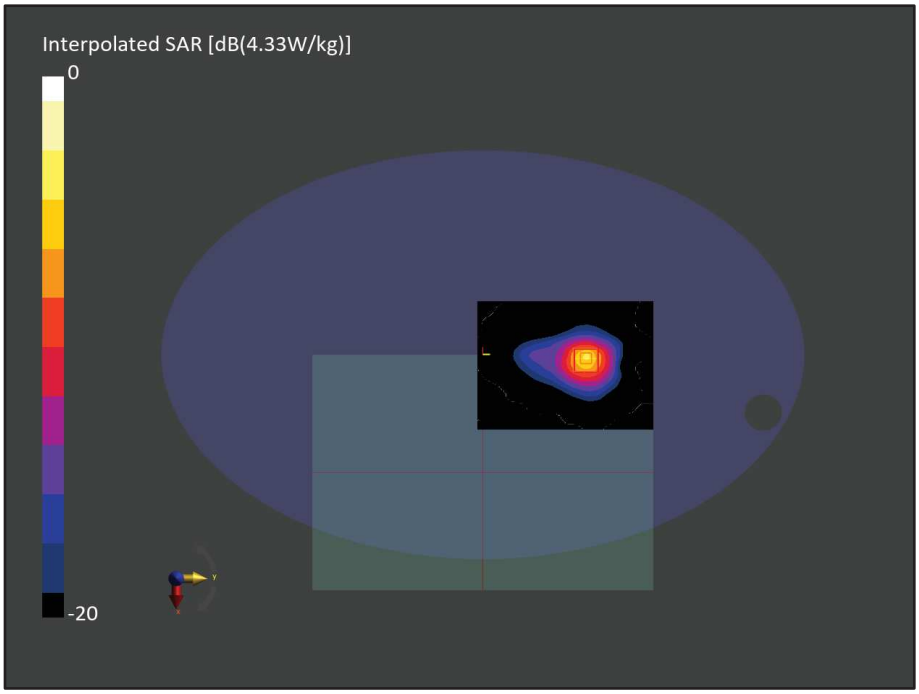


Figure C.22: SAR Testing Results for the A2918 at 5290.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK), Channel 46 (5230.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10114-CAD	, 46	5.75	4.58	33.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.20 deg.C 2023-May-11 SYS1 B1.prn, 2023-May-11	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan	Zoom Scan
Grid Extents [mm]	x 220.0	22.0 x 22.0 x 22.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	n/a	Yes	Yes
Grading Ratio	n/a	1.4	1.4
MAIA	N/A	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan	Zoom Scan
Date	2023-05-11, 13:46	2023-05-11, 13:56	2023-05-11, 14:10
psSAR1g [W/Kg]	0.949	1.01	0.821
psSAR10g [W/Kg]	0.341	0.352	0.282
Power Drift [dB]	0.01	0.04	0.06
Power Scaling	Disabled	Disabled	Disabled
Scaling Factor [dB]			
TSL Correction	No correction	No correction	No correction
M2/M1 [%]		62.1	61.1
Dist 3dB Peak [mm]		8.0	7.9

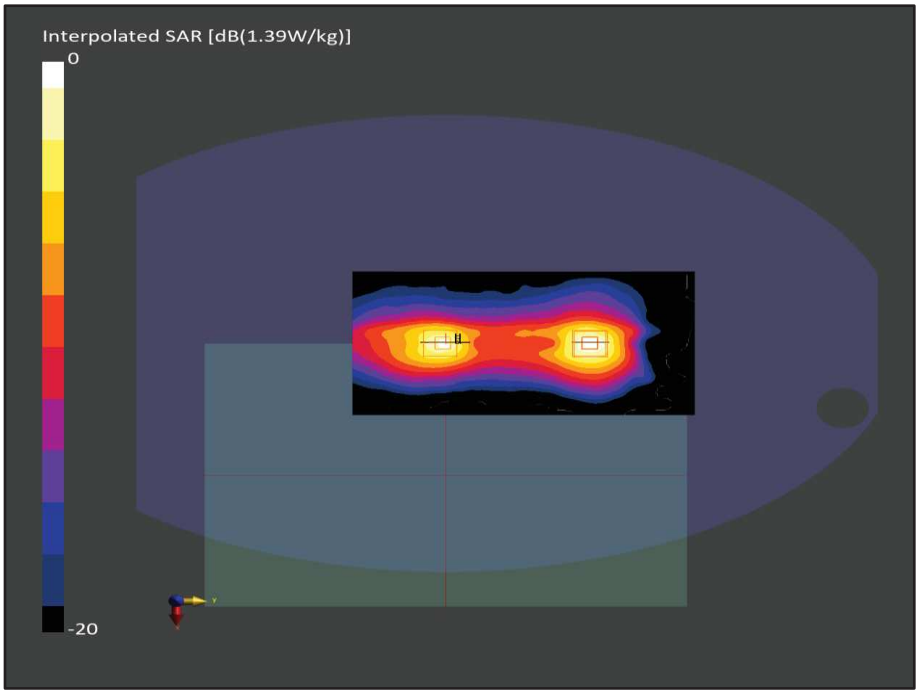


Figure C.23: SAR Testing Results for the A2918 at 5230.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK), Channel 54 (5270.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10114-CAD	, 54	5.58	4.71	34.4

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.10 deg.C 2023-May-09 SYS1 B1.prn, 2023-May-09	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan	Zoom Scan
Grid Extents [mm]	x 220.0	22.0 x 22.0 x 22.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	n/a	Yes	Yes
Grading Ratio	n/a	1.4	1.4
MAIA	Y	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan	Zoom Scan
Date	2023-05-11, 08:04	2023-05-11, 08:14	2023-05-11, 08:24
psSAR1g [W/Kg]	0.733	0.775	0.691
psSAR10g [W/Kg]	0.272	0.268	0.232
Power Drift [dB]	-0.05	-0.04	-0.03
Power Scaling	Disabled	Disabled	Disabled
Scaling Factor [dB]			
TSL Correction	Positive only	Positive only	Positive only
M2/M1 [%]		62.3	61.3
Dist 3dB Peak [mm]		7.9	7.2

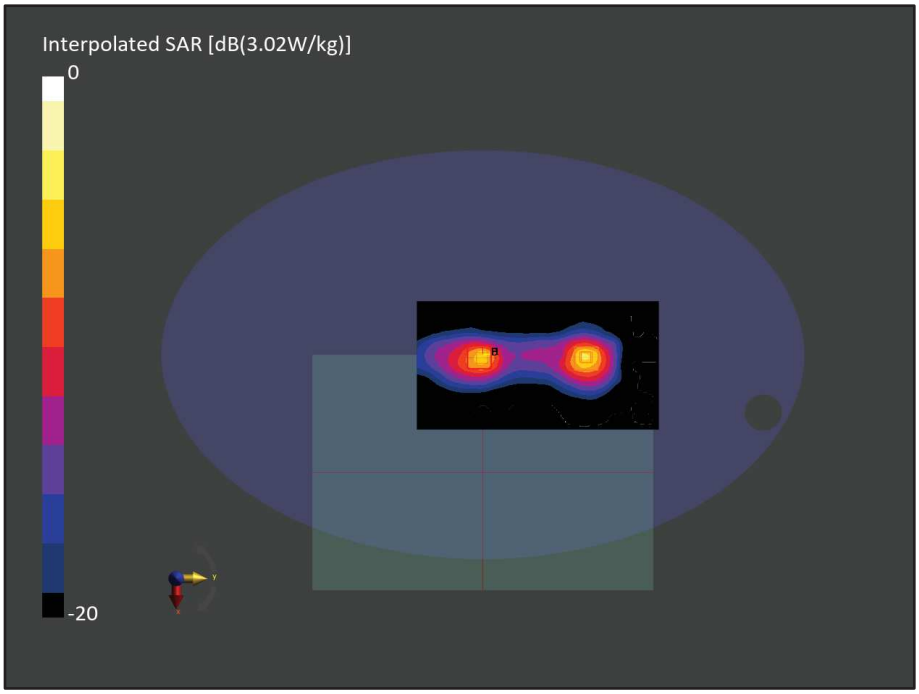


Figure C.24: SAR Testing Results for the A2918 at 5270.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle), Channel 106 (5530.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10544-AAC	5530.0, 106	5.2	4.90	32.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.20 deg.C 2023-May-11 SYS1 B1.prn, 2023-May-11	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-12, 02:33	2023-05-12, 02:43
psSAR1g [W/Kg]	0.609	0.687
psSAR10g [W/Kg]	0.221	0.224
Power Drift [dB]	0.04	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		59.4
Dist 3dB Peak [mm]		7.9

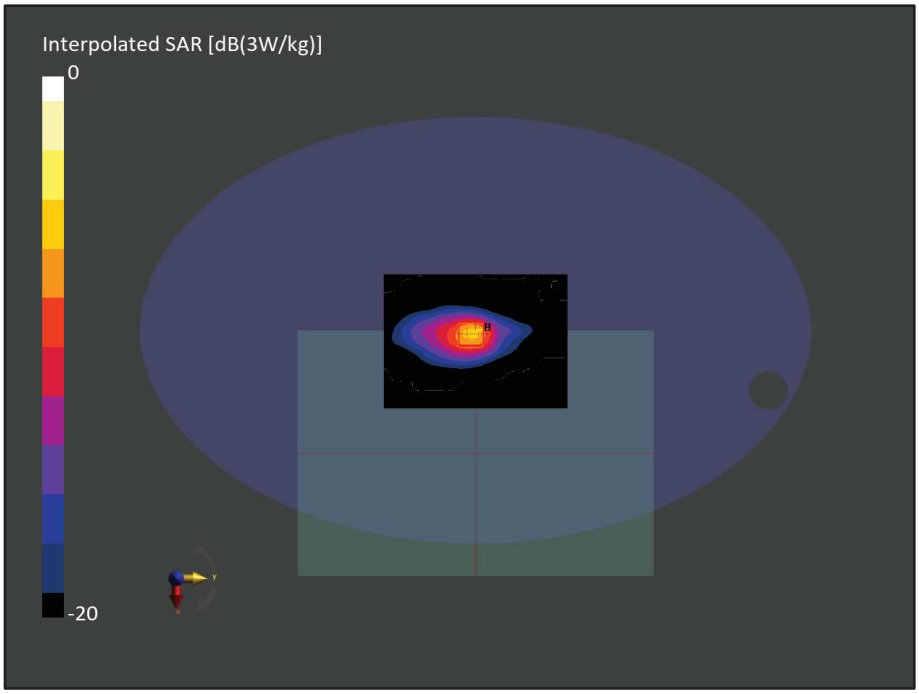


Figure C.25: SAR Testing Results for the A2918 at 5530.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle), Channel 138 (5690.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10544-AAC	5690.0, 138	5.1	5.08	32.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.20 deg.C 2023-May-11 SYS1 B1.prn, 2023-May-11	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-12, 03:59	2023-05-12, 04:09
psSAR1g [W/Kg]	0.937	1.01
psSAR10g [W/Kg]	0.342	0.347
Power Drift [dB]	0.04	0.00
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		59.4
Dist 3dB Peak [mm]		7.6

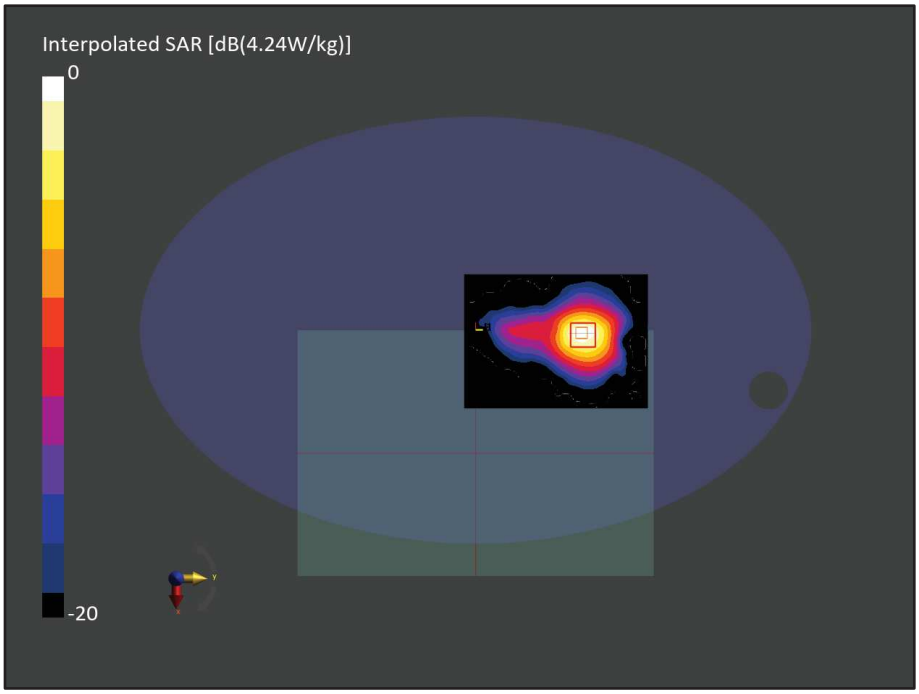


Figure C.26: SAR Testing Results for the A2918 at 5690.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle), Channel 138 (5690.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10544-AAC	, 138	5.1	5.08	32.5

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.20 deg.C 2023-May-11 SYS1 B1.prn, 2023-May-11	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan	Zoom Scan
Grid Extents [mm]	x 220.0	22.0 x 22.0 x 22.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	n/a	Yes	Yes
Grading Ratio	n/a	1.4	1.4
MAIA	Y	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan	Zoom Scan
Date	2023-05-12, 06:57	2023-05-12, 07:07	2023-05-12, 07:17
psSAR1g [W/Kg]	0.885	0.899	0.560
psSAR10g [W/Kg]	0.320	0.308	0.184
Power Drift [dB]	-0.01	-0.01	-0.01
Power Scaling	Disabled	Disabled	Disabled
Scaling Factor [dB]			
TSL Correction	Positive only	Positive only	Positive only
M2/M1 [%]		59.3	58.5
Dist 3dB Peak [mm]		7.9	7.9

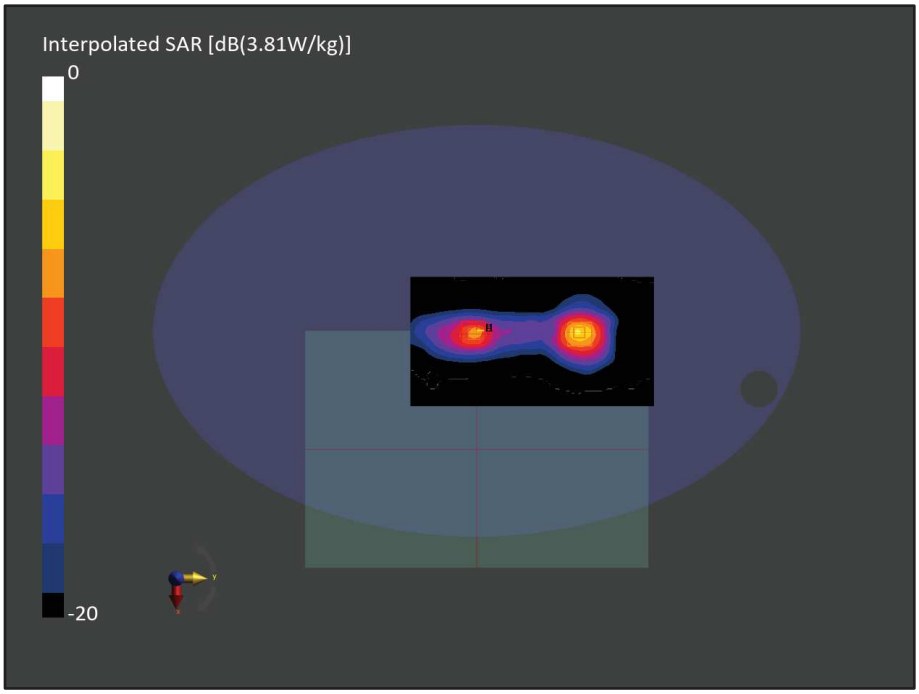


Figure C.27: SAR Testing Results for the A2918 at 5690.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle), Channel 155 (5775.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10544-AAC	5775.0, 155	5.12	5.17	32.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.20 deg.C 2023-May-11 SYS1 B1.prn, 2023-May-11	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-13, 01:12	2023-05-13, 01:25
psSAR1g [W/Kg]	0.620	0.694
psSAR10g [W/Kg]	0.222	0.227
Power Drift [dB]	-0.02	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		58.0
Dist 3dB Peak [mm]		7.2

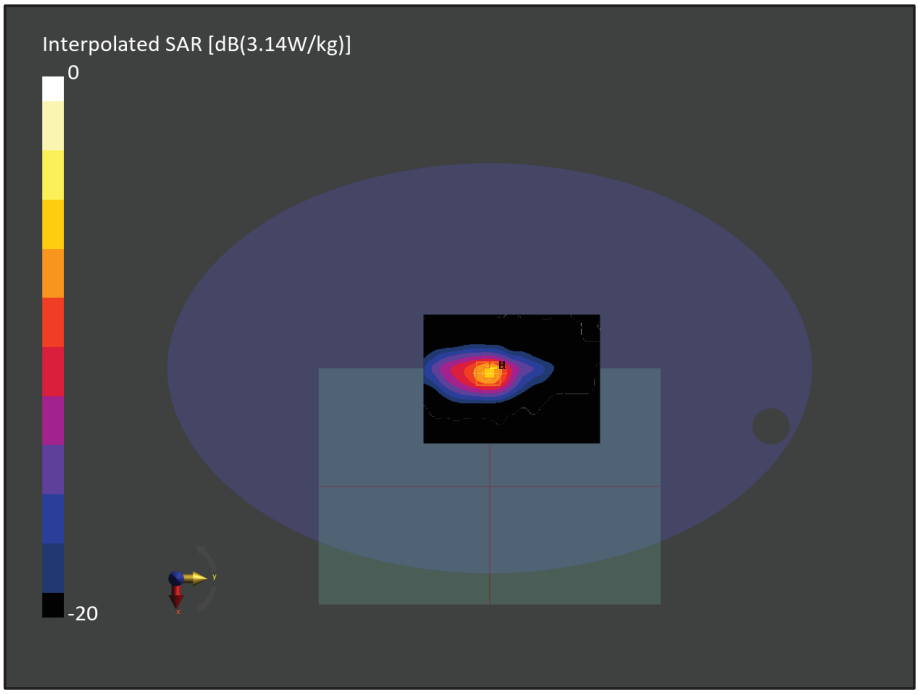


Figure C.28: SAR Testing Results for the A2918 at 5775.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle), Channel 155 (5775.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10544-AAC	5775.0, 155	5.12	5.17	32.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.20 deg.C 2023-May-11 SYS1 B1.prn, 2023-May-11	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-13, 01:43	2023-05-13, 01:53
psSAR1g [W/Kg]	0.792	0.864
psSAR10g [W/Kg]	0.292	0.296
Power Drift [dB]	-0.02	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		59.2
Dist 3dB Peak [mm]		8.0

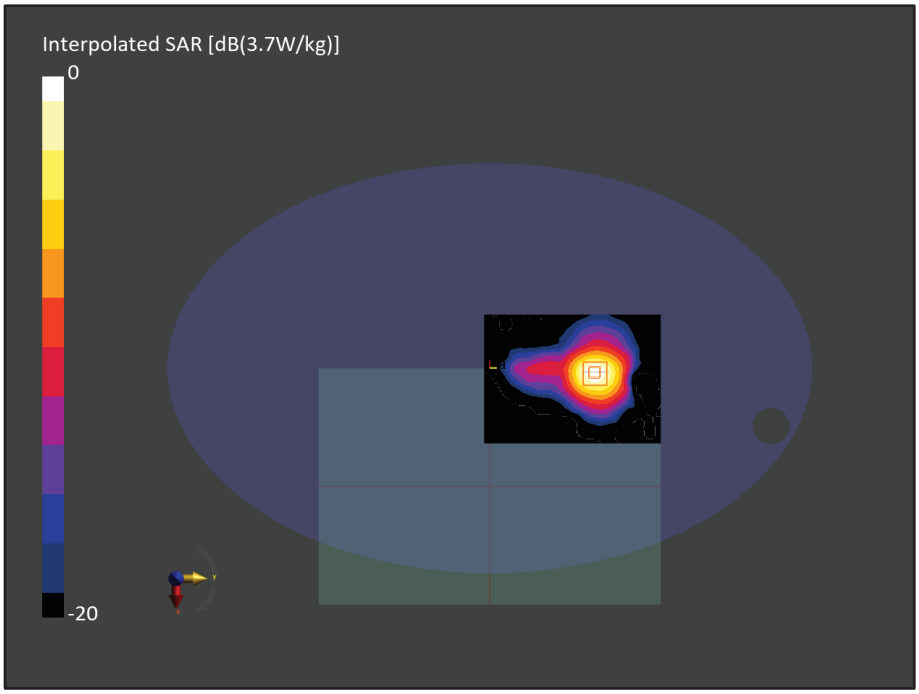


Figure C.29: SAR Testing Results for the A2918 at 5775.0 MHz

Measurement Report for A2918, Bottom, WLAN 5 GHz, IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle), Channel 155 (5775.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	WLAN 5 GHz	WLAN, 10544-AAC	, 155	5.12	5.17	32.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 20.20 deg.C 2023-May-11 SYS1 B1.prn, 2023-May-11	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan	Zoom Scan
Grid Extents [mm]	x 220.0	22.0 x 22.0 x 22.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	n/a	Yes	Yes
Grading Ratio	n/a	1.4	1.4
MAIA	Y	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan	Zoom Scan
Date	2023-05-13, 03:45	2023-05-13, 03:55	2023-05-13, 04:05
psSAR1g [W/Kg]	0.733	0.799	0.593
psSAR10g [W/Kg]	0.274	0.276	0.192
Power Drift [dB]	-0.01	0.02	0.02
Power Scaling	Disabled	Disabled	Disabled
Scaling Factor [dB]			
TSL Correction	Positive only	Positive only	Positive only
M2/M1 [%]		58.1	57.1
Dist 3dB Peak [mm]		8.0	7.9

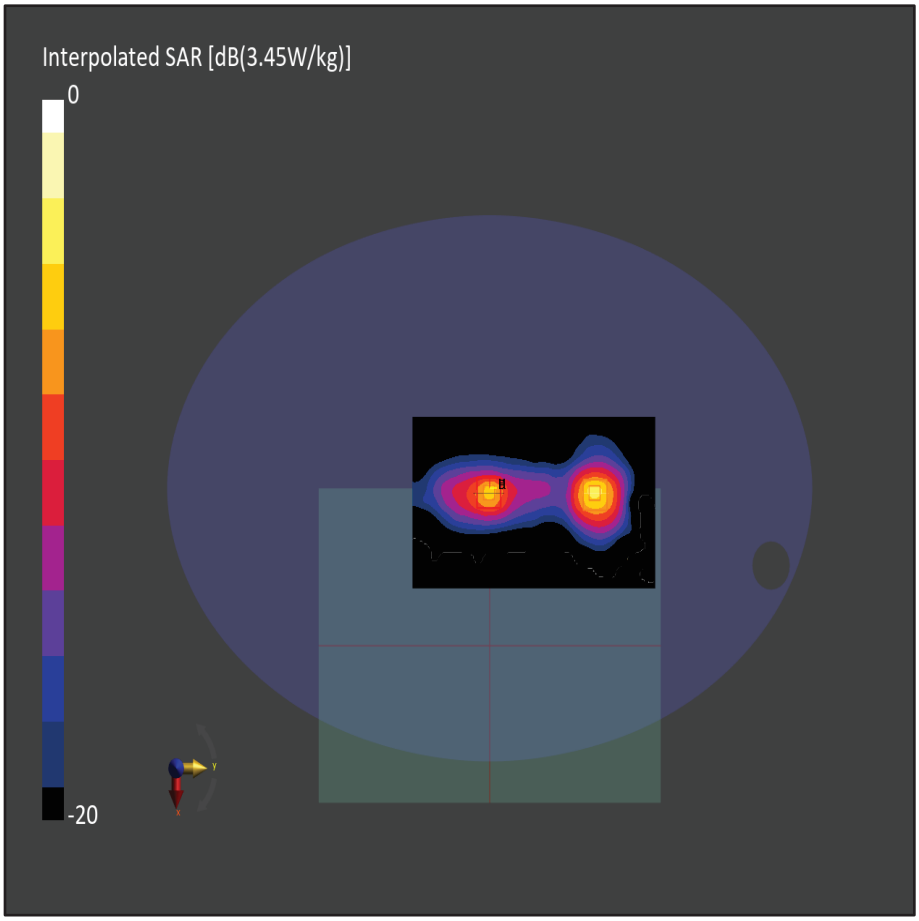


Figure C.30: SAR Testing Results for the A2918 at 5775.0 MHz

Measurement Report for A2918, Bottom, U-NII-8, IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle), Channel 207 (6985.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	5.5	6.54	31.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 19.10 deg.C 2023-May-15 SYS1 B1.prn, 2023-May-15	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 153.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-16, 16:37	2023-05-16, 16:52
psSAR1g [W/kg]	0.561	0.610
psSAR10g [W/kg]	0.180	0.192
psAPD (1.0cm2, sq) [W/m2]		6.10
psAPD (4.0cm2, sq) [W/m2]		4.40
Power Drift [dB]	0.01	-0.04
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		43.7
Dist 3dB Peak [mm]		7.5

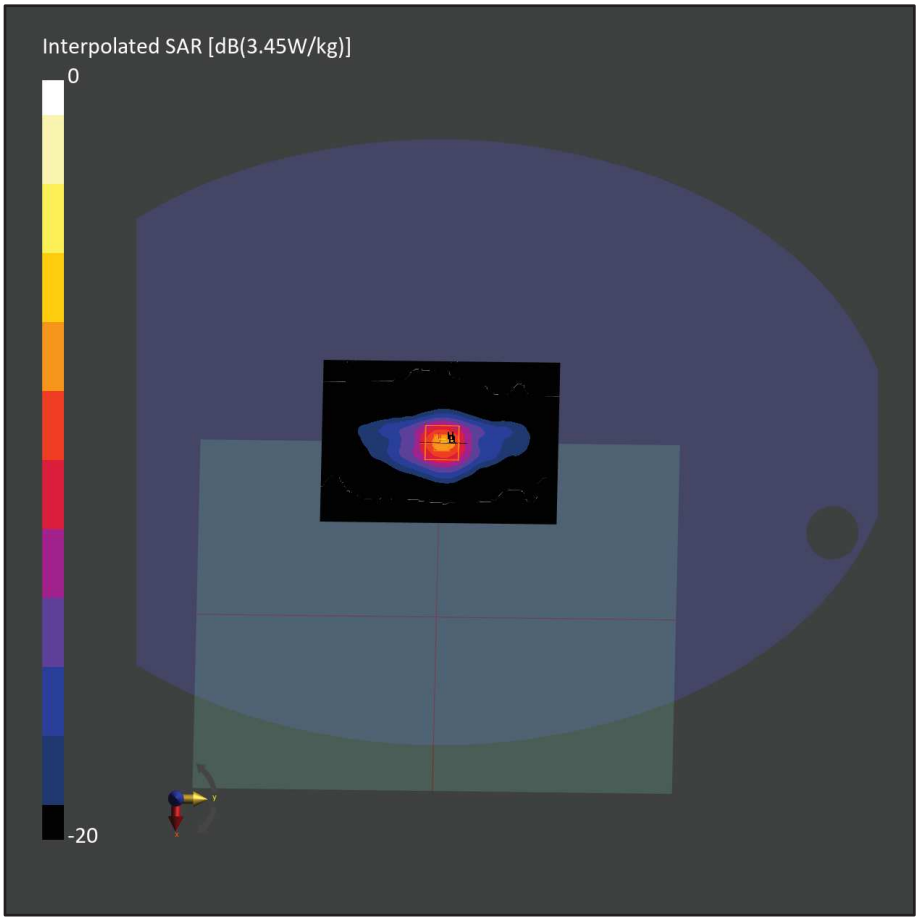


Figure C.31: SAR and APD Testing Results for the A2918 at 6985.0 MHz

Measurement Report for A2918, Bottom, U-NII-5, IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle), Channel 47 (6185.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	5.5	5.63	32.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 19.10 deg.C 2023-May-15 SYS1 B1.prn, 2023-May-15	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	136.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2023-05-16, 17:28	2023-05-16, 17:46
psSAR1g [W/kg]	0.666	0.684
psSAR10g [W/kg]	0.244	0.250
psAPD (1.0cm2, sq) [W/m2]		6.84
psAPD (4.0cm2, sq) [W/m2]		5.60
Power Drift [dB]	0.00	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	Positive only	Positive only
M2/M1 [%]		50.1
Dist 3dB Peak [mm]		8.3

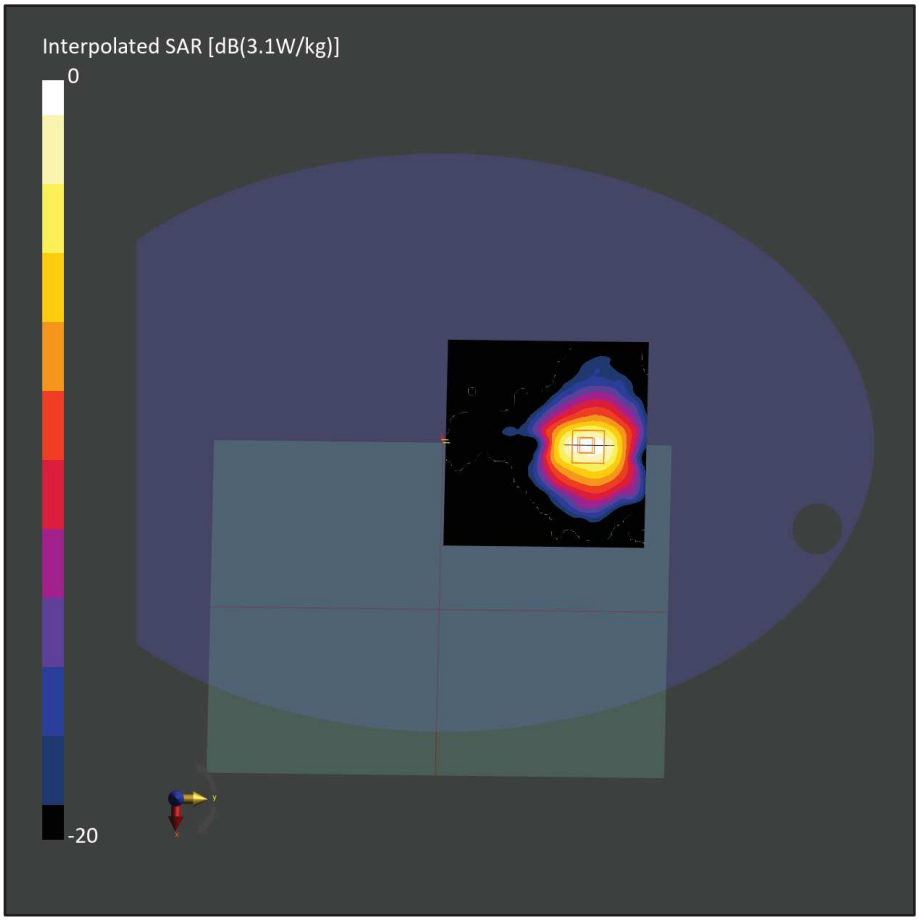


Figure C.32: SAR and APD Testing Results for the A2918 at 6185.0 MHz

Measurement Report for A2918, Bottom, U-NII-5, IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle), Channel 47 (6185.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		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, HSL	BOTTOM, 0.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	5.5	5.63	32.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - SN:2057	HBBL-600-10000 DAK 3.5 Head 19.10 deg.C 2023-May-15 SYS1 B1.prn, 2023-May-15	EX3DV4 - SN3759, 2022-12-15	DAE4 Sn475, 2022-12-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	136.0 x 136.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	n/a	Yes
Grading Ratio	n/a	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan	Zoom Scan
Date	2023-05-17, 05:19	2023-05-17, 05:37	2023-05-17, 05:51
psSAR1g [W/kg]	0.202	0.206	0.161
psSAR10g [W/kg]	0.0.073	0.075	0.051
psAPD (1.0cm2, sq) [W/m2]		2.06	1.61
psAPD (4.0cm2, sq) [W/m2]		1.68	1.18
Power Drift [dB]	-0.17	-0.08	-0.20
Power Scaling	Disabled	Disabled	Disabled
Scaling Factor [dB]			
TSL Correction	Positive only	Positive only	Positive only
M2/M1 [%]		49.9	48.7
Dist 3dB Peak [mm]		8.2	7.1

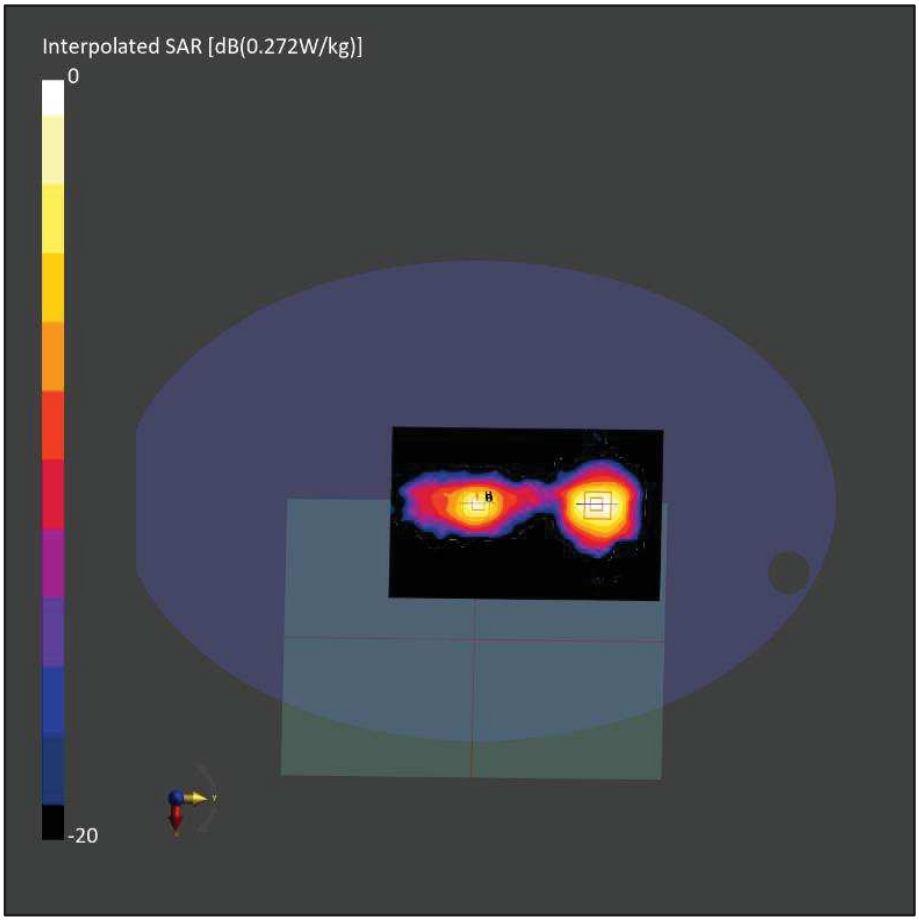


Figure C.33: SAR and APD Testing Results for the A2918 at 6185.0 MHz

Measurement Report for A2918, Bottom, U-NII-5, IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle), Channel 47 (6185.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A2918	310.0 x 220.0 x 10.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	BACK, 2.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1112	---Air	EUmmWV4 - SN9641_F1-55GHz, 2022-10-25	DAE4 Sn475, 2022-12-13

Scans Setup

	5G Scan
Grid Extents [mm]	75.0 x 75.0
Grid Steps [lambda]	0.04211272847496038 x 0.04211272847496038
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2023-05-25, 13:05
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	4.64
psPDtot+ [W/m^2]	7.24
psPDmod+ [W/m^2]	8.00
E_{max} [V/m]	79.2
Power Drift [dB]	0.06

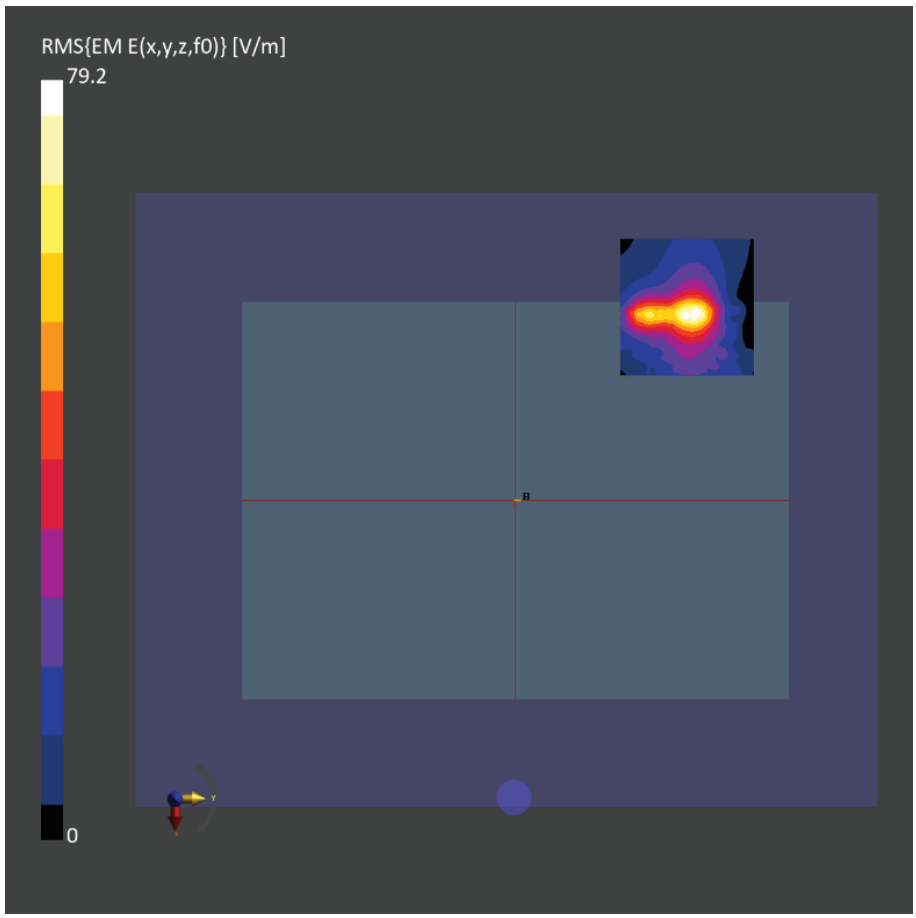


Figure C.34: PD Testing Results for the A2918 at 6185.0 MHz

ANNEX D

THREAD TECHNOLOGY DUTY FACTOR CORRECTION

A2918 Thread Scaling Rationale

The measured SAR Results for the Thread RAT, as detailed in TUV SUD SAR Reports (Document 75958013-03 Issue 01 **– A2918**) & (Document 75958013-04 Issue 01 – **A2918**) were scaled down from 100% duty cycle to 60.61% to adjust for the normal operating conditions of this technology.

With the measured SAR Results having been taken with the device operating in a test mode, on a fixed channel with 100% duty cycle, as shown below in figure 1.

Duty Cycle used or SAR Measurements

Figure 1 – Thread ePA - Frequency of 2405 MHz (100 % Duty Cycle – Measured 100%)

And the normal dwell time for this FHSS technology, having subsequently been measured at 60.61% duty cycle, when the device was configured to operate on a single hopping channel, as shown below in figure 2.

Duty Cycle used for Normal Operation.

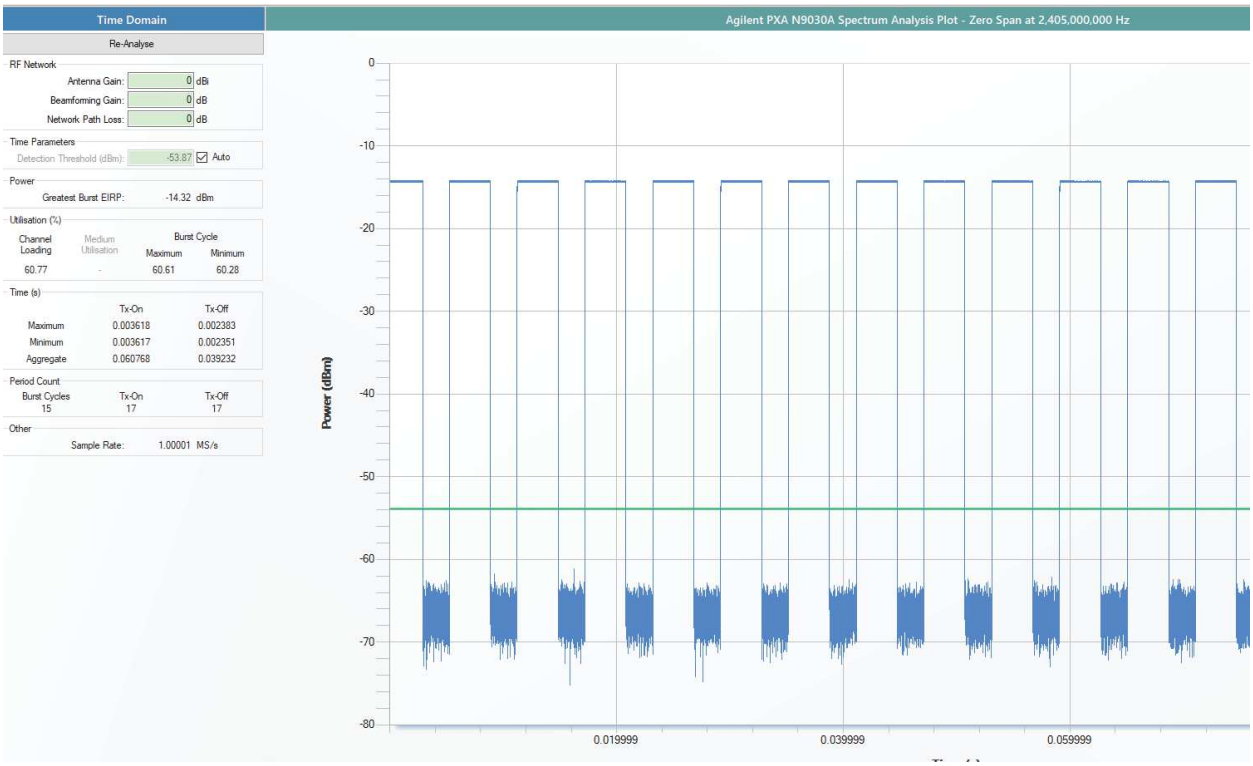


Figure 2 - Thread ePA - Frequency of 2405 MHz (60.61% Duty Cycle)