

APPENDIX A: PLOTS FOR SAR MEASUREMENT

Measurement Report for Device, FRONT, WLAN 2.4GHz, IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps), Channel 1 (2412.0 MHz)

Device Under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	95.0 x 34.0 x 17.0		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, HSL	FRONT, 0.00	WLAN 2.4GHz	WLAN, 10012–CAB	2412.0, 1	7.59	1.81	39.7

Hardware Setup

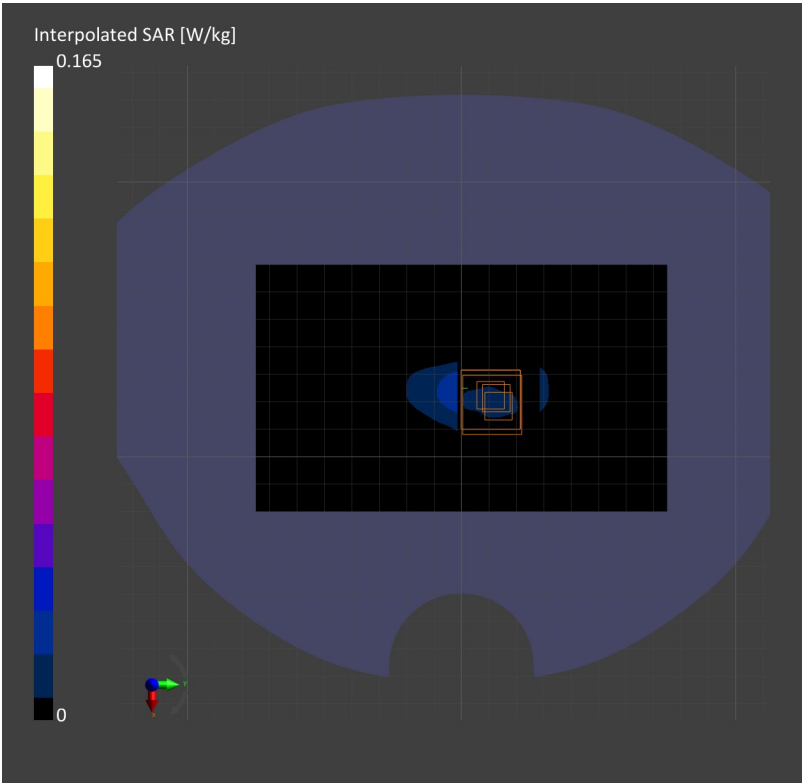
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin–SAM V4.0 (30deg probe tilt) – 1351	HBBL–600–10000 Charge:xxxx, 2020–May–18	EX3DV4 – SN7374, 2019–10–28	DAE4 Sn640, 2019–10–11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	No
Grading Ratio	n/a	n/a
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2020–05–18, 14:45	2020–05–18, 14:51
psSAR1g [W/Kg]	0.039	0.063
psSAR10g [W/Kg]	0.018	0.020
Power Drift [dB]	0.01	–0.29
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Measurement Report for Device, FRONT, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps), Channel 6 (2437.0 MHz)

Device Under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	95.0 x 34.0 x 17.0		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, HSL	FRONT, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2437.0, 6	7.59	1.77	40.3

Hardware Setup

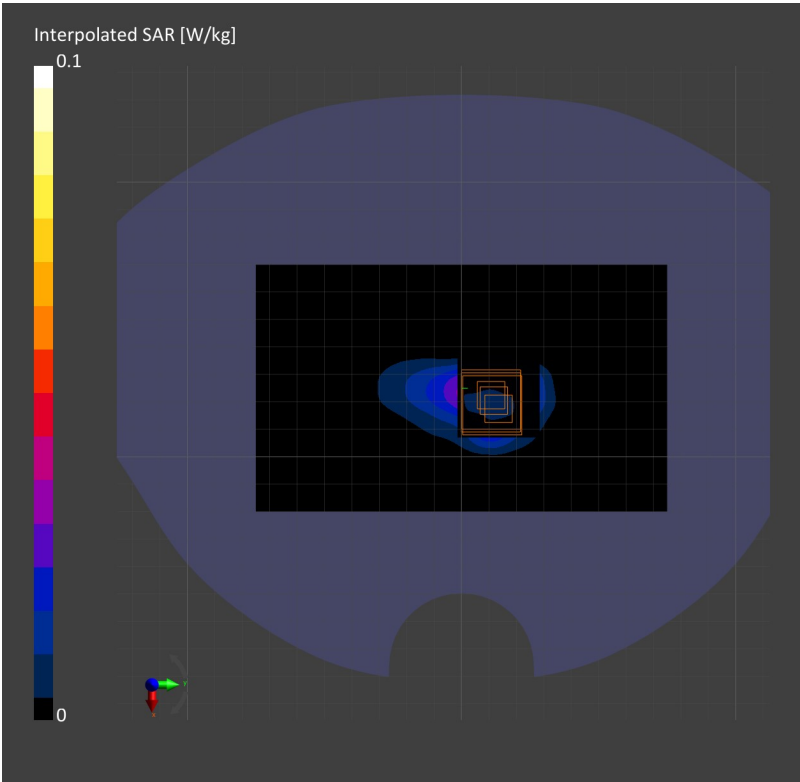
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) – 1351	HBBL-600-10000 Charge:xxxx, 2020-May-18	EX3DV4 – SN7374, 2019-10-28	DAE4 Sn640, 2019-10-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	No
Grading Ratio	n/a	n/a
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2020-05-18, 14:56	2020-05-18, 15:01
psSAR1g [W/Kg]	0.038	0.064
psSAR10g [W/Kg]	0.017	0.020
Power Drift [dB]	0.12	-0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Measurement Report for Device, FRONT, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps), Channel 11 (2462.0 MHz)

Device Under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	95.0 x 34.0 x 17.0		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, HSL	FRONT, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.0, 11	7.59	1.87	40.3

Hardware Setup

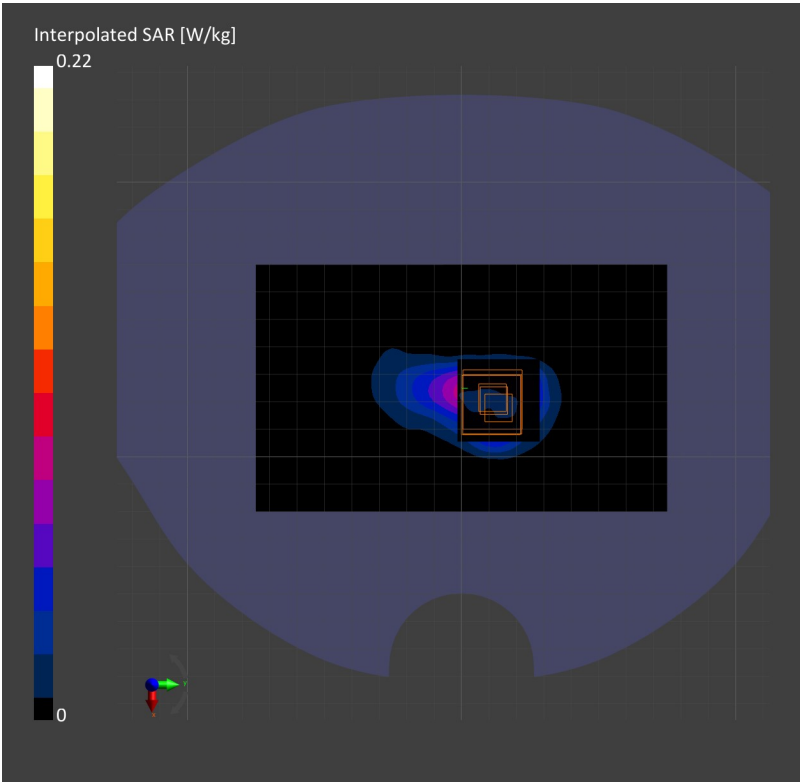
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) – 1351	HBBL-600-10000 Charge:xxxx, 2020-May-18	EX3DV4 – SN7374, 2019-10-28	DAE4 Sn640, 2019-10-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	No
Grading Ratio	n/a	n/a
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2020-05-18, 15:05	2020-05-18, 15:11
psSAR1g [W/Kg]	0.049	0.081
psSAR10g [W/Kg]	0.022	0.026
Power Drift [dB]	-0.07	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Measurement Report for Device, CHEEK, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps), Channel 1 (2412.0 MHz)

Device Under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	95.0 x 34.0 x 17.0		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
RightHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2412.0, 1	7.59	1.81	39.7

Hardware Setup

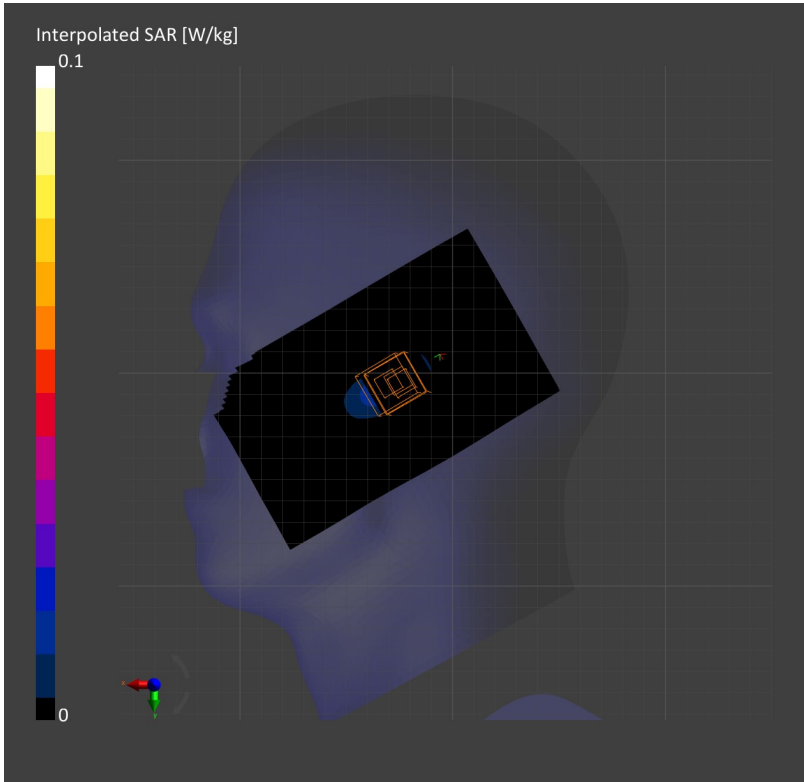
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - 1351	HBBL-600-10000 Charge:xxxx, 2020-May-18	EX3DV4 - SN7374, 2019-10-28	DAE4 Sn640, 2019-10-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	No
Grading Ratio	n/a	n/a
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2020-05-18, 12:11	2020-05-18, 12:17
psSAR1g [W/Kg]	0.013	0.014
psSAR10g [W/Kg]	0.005	0.004
Power Drift [dB]	-0.57	-1.25
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Measurement Report for Device, CHEEK, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps), Channel 1 (2412.0 MHz)

Device Under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	95.0 x 34.0 x 17.0		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
LeftHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2412.0, 1	7.59	1.81	39.7

Hardware Setup

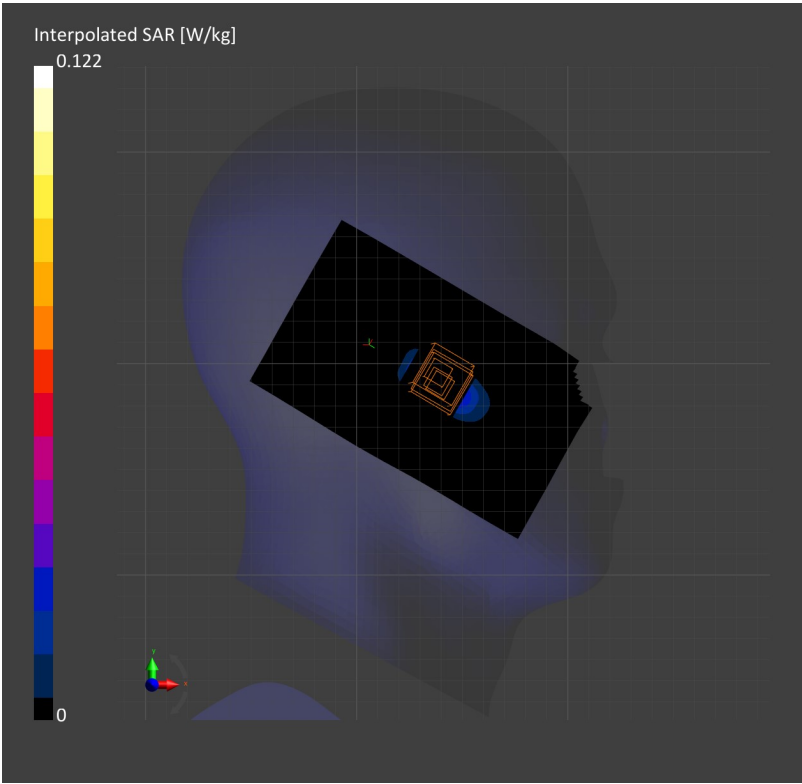
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) – 1351	HBBL-600-10000 Charge:xxxx, 2020-May- 18	EX3DV4 – SN7374, 2019-10- 28	DAE4 Sn640, 2019-10- 11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	No
Grading Ratio	n/a	n/a
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2020-05-18, 12:58	2020-05-18, 13:04
psSAR1g [W/Kg]	0.030	0.040
psSAR10g [W/Kg]	0.011	0.010
Power Drift [dB]	-0.35	-0.83
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Measurement Report for Device, CHEEK, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps), Channel 6 (2437.0 MHz)

Device Under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	95.0 x 34.0 x 17.0		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
RightHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2437.0, 6	7.59	1.83	39.7

Hardware Setup

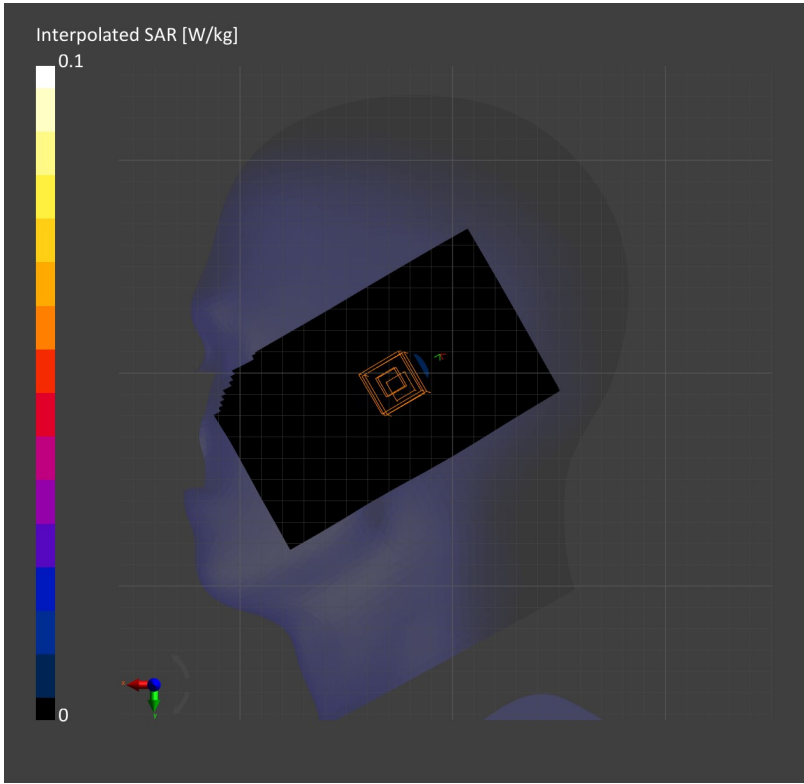
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) – 1351	HBBL-600-10000 Charge:xxxx, 2020-May- 18	EX3DV4 – SN7374, 2019-10- 28	DAE4 Sn640, 2019-10- 11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	No
Grading Ratio	n/a	n/a
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2020-05-18, 12:24	2020-05-18, 12:31
psSAR1g [W/Kg]	0.011	0.014
psSAR10g [W/Kg]	0.004	0.003
Power Drift [dB]	-0.61	-0.80
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Measurement Report for Device, CHEEK, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps), Channel 6 (2437.0 MHz)

Device Under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	95.0 x 34.0 x 17.0		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
LeftHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2437.0, 6	7.59	1.83	39.7

Hardware Setup

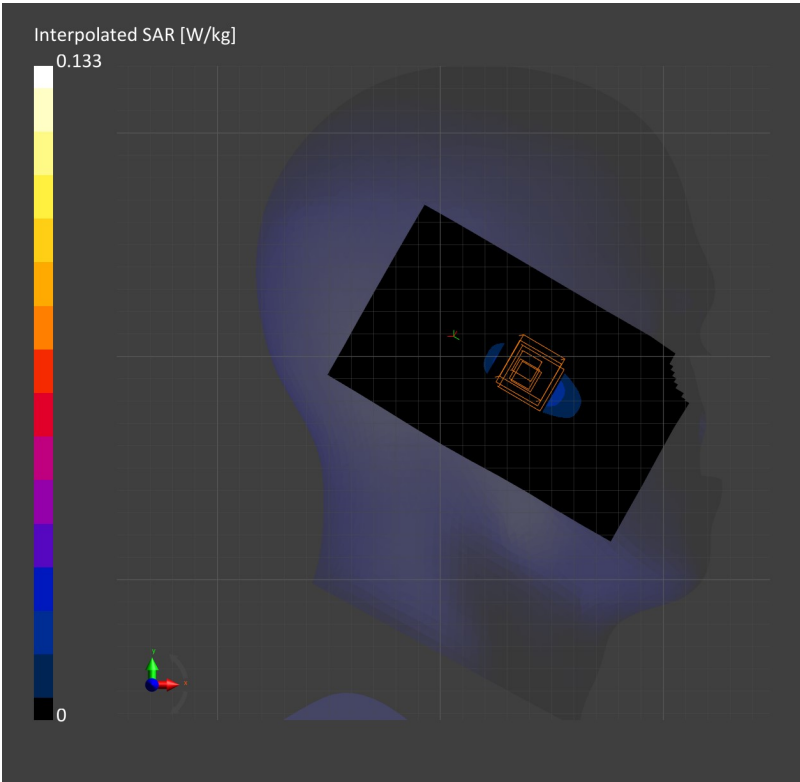
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) – 1351	HBBL-600-10000 Charge:xxxx, 2020-May-18	EX3DV4 – SN7374, 2019-10-28	DAE4 Sn640, 2019-10-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	No
Grading Ratio	n/a	n/a
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2020-05-18, 13:11	2020-05-18, 13:17
psSAR1g [W/Kg]	0.029	0.043
psSAR10g [W/Kg]	0.010	0.011
Power Drift [dB]	0.22	-0.53
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Measurement Report for Device, CHEEK, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps), Channel 11 (2462.0 MHz)

Device Under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	95.0 x 34.0 x 17.0		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
RightHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.0, 11	7.59	1.85	39.7

Hardware Setup

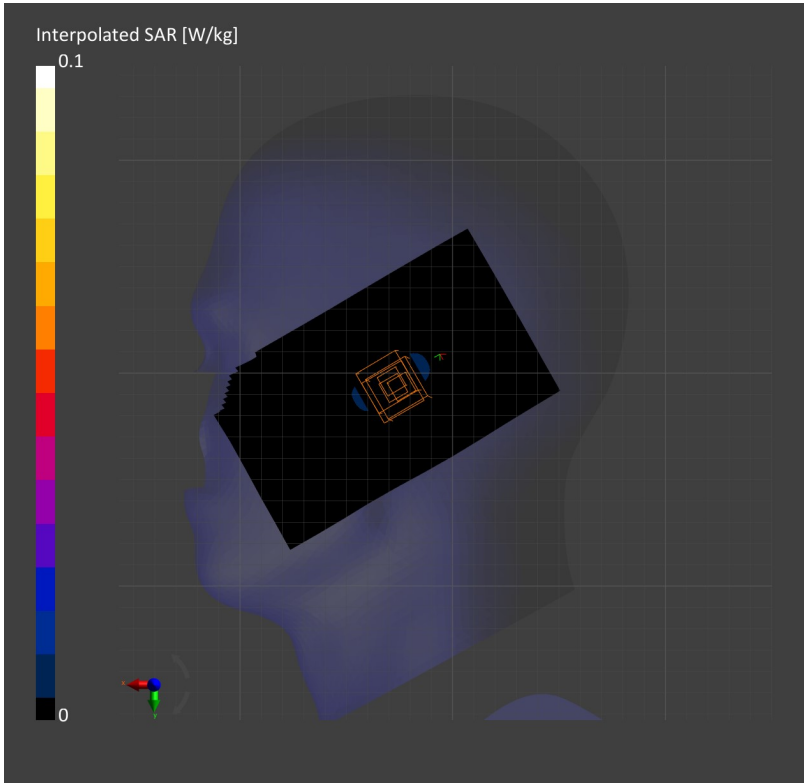
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) - 1351	HBBL-600-10000 Charge:xxxx, 2020-May-18	EX3DV4 - SN7374, 2019-10-28	DAE4 Sn640, 2019-10-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	No
Grading Ratio	n/a	n/a
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2020-05-18, 12:38	2020-05-18, 12:44
psSAR1g [W/Kg]	0.013	0.016
psSAR10g [W/Kg]	0.005	0.004
Power Drift [dB]	-0.41	-0.27
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Measurement Report for Device, CHEEK, WLAN 2.4GHz, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps), Channel 11 (2462.0 MHz)

Device Under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	95.0 x 34.0 x 17.0		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
LeftHead, HSL	CHEEK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2462.0, 11	7.59	1.87	40.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V4.0 (30deg probe tilt) – 1351	HBBL-600-10000 Charge:xxxx, 2020-May-18	EX3DV4 – SN7374, 2019-10-28	DAE4 Sn640, 2019-10-11

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 150.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	No	No
Grading Ratio	n/a	n/a
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2020-05-18, 13:25	2020-05-18, 13:31
psSAR1g [W/Kg]	0.038	0.055
psSAR10g [W/Kg]	0.013	0.015
Power Drift [dB]	-0.60	-0.48
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction

