

Appendix M-1 WIFI6E SAR Plots of SAR Measurement

P01 WLAN UNII-5_802.11ax HE160_Right Cheek_Ch79_Ant6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 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
Head, HSL	Right Cheek, 0.00	U-NII-5	WLAN, 10743-AAB	6345	5.7	5.84	33.8

Hardware Setup

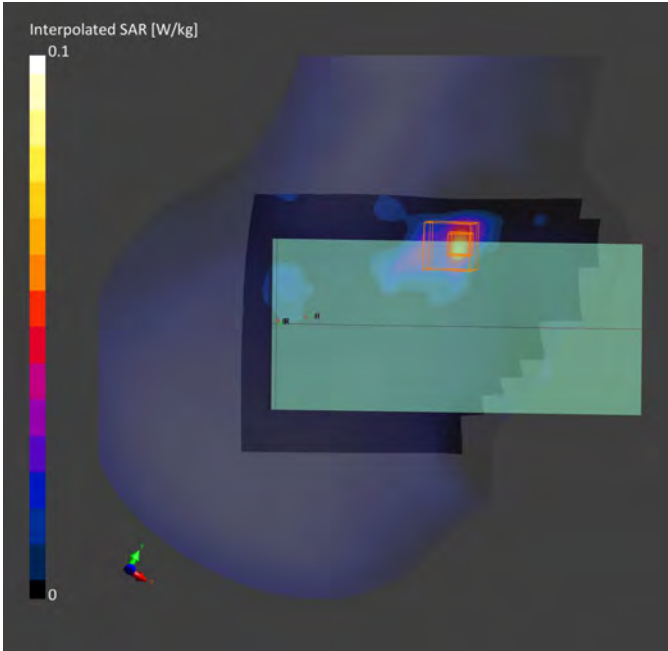
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1988	HBBL-600-10000 Charge:xxxx, 2021-	EX3DV4 - SN7472, 2020-08-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2021-03-22	2021-03-22
psSAR1g [W/Kg]	0.049	0.050
psSAR10g [W/Kg]	0.015	0.014
Power Drift [dB]	-0.14	-0.17
M2/M1 [%]		47.8
Dist 3dB Peak [mm]		4.7



P02 WLAN UNII-5_802.11ax HE160_Right Cheek_Ch79_Ant3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 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
Head, HSL	Right Cheek, 0.00	U-NII-5	WLAN, 10743-AAB	6345,	5.7	5.84	33.8

Hardware Setup

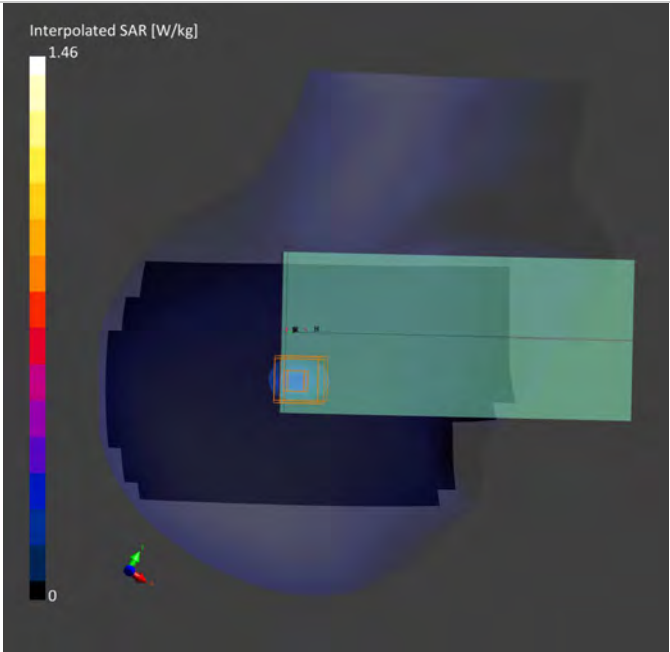
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1988	HBBL-600-10000 Charge:xxxx, 2021-	EX3DV4 - SN7472, 2020-08-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2021-03-22	2021-03-22
psSAR1g [W/Kg]	0.239	0.286
psSAR10g [W/Kg]	0.070	0.077
Power Drift [dB]	-0.01	0.02
M2/M1 [%]		53.2
Dist 3dB Peak [mm]		5.8



P03 WLAN UNII-5_802.11ax HE160_Right Cheek_Ch79_Ant4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 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
Head, HSL	Right Cheek, 0.00	U-NII-5U	WLAN, 10743-AAB	6345	5.7	5.84	33.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1988	HBBL-600-10000 Charge:xxxx, 2021-	EX3DV4 - SN7472, 2020-08-24	DAE4 Sn1585, 2020-05-28

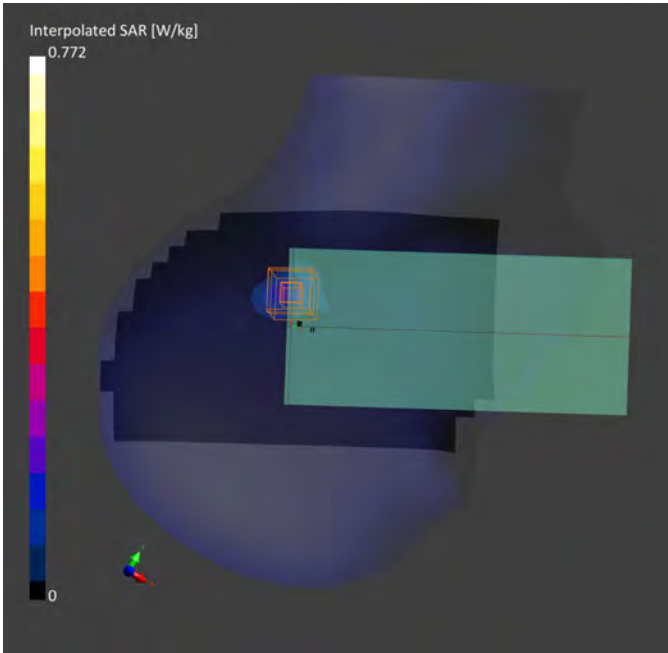
Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2021-03-22	2021-03-22
psSAR1g [W/Kg]	0.172	0.172
psSAR10g [W/Kg]	0.054	0.056
Power Drift [dB]	0.18	-0.03
M2/M1 [%]	D	48.7
Dist 3dB Peak [mm]		4.8

Power drift exceeds warning threshold.



P04 WLAN UNII-5_802.11ax160_Right Cheek_0mm_Ch79_Ant6+3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 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
Head, HSL	Right Cheek, 0.00	U-NII-5	WLAN, 10755-AAB	6345.0	5.7	5.85	33.7

Hardware Setup

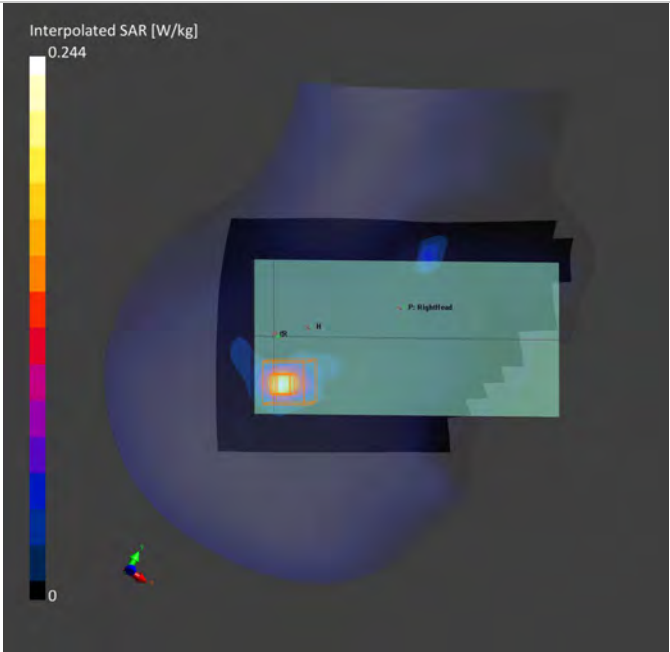
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1988	HBBL-600-10000 , 2021-Feb-02	EX3DV4 - SN3650, 2020-03-25	DAE4 Sn861, 2020-05-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2021-02-02	2021-02-02
psSAR1g [W/Kg]	0.220	0.253
psSAR10g [W/Kg]	0.058	0.065
Power Drift [dB]	-0.12	0.11
M2/M1 [%]		50.4
Dist 3dB Peak [mm]		5.6



P05 WLAN UNII-5_802.11ax160_Right Cheek_0mm_Ch79_Ant6+4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 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
Head, HSL	Right Cheek, 0.00	U-NII-5	WLAN, 10755-AAB	6345.0	5.7	5.85	33.7

Hardware Setup

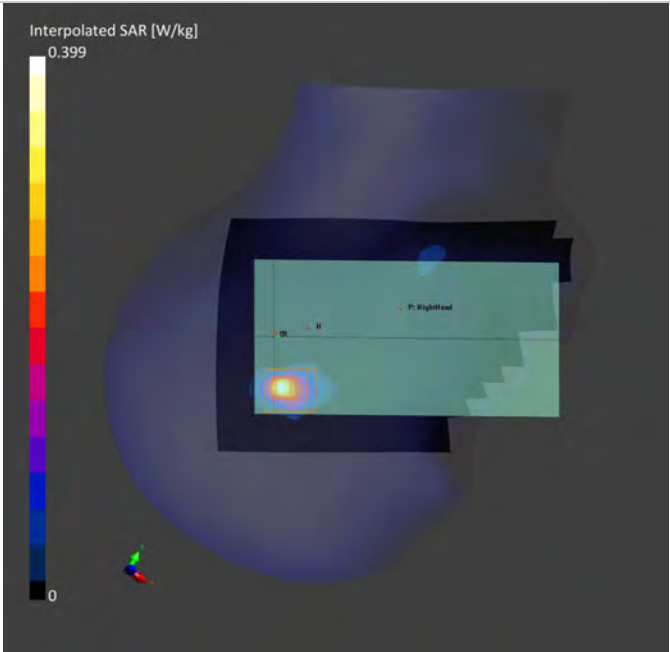
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1988	HBBL-600-10000 , 2021-Feb-02	EX3DV4 - SN3650, 2020-03-25	DAE4 Sn861, 2020-05-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2021-02-02	2021-02-02
psSAR1g [W/Kg]	0.227	0.280
psSAR10g [W/Kg]	0.061	0.071
Power Drift [dB]	-0.07	0.02
M2/M1 [%]		50.2
Dist 3dB Peak [mm]		5.4



P06 WLAN UNII-5_802.11ax HE160_Rear Face_15mm_Ch79_Ant6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 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, HSL	Rear Face 15.00	U-NII-5	WLAN, 10743-AAB	6345	5.7	5.86	33.7

Hardware Setup

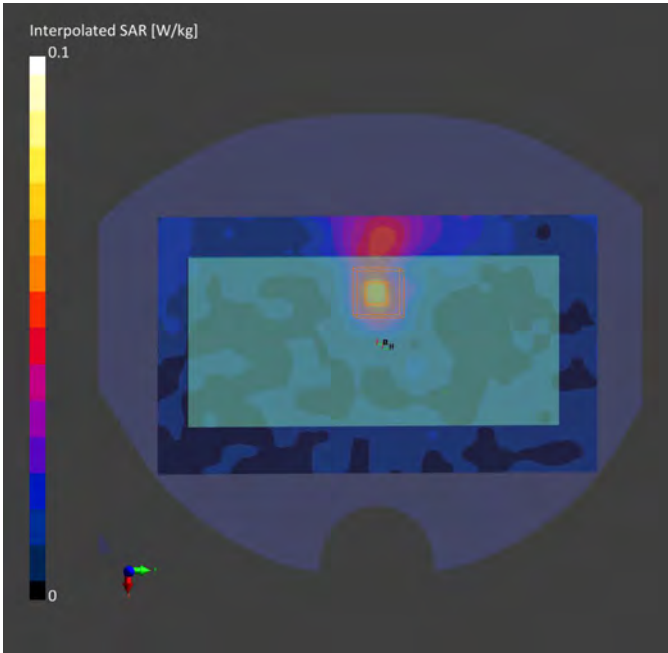
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1982	HBBL-600-10000 Charge:xxxx, 2021-Mar-19	EX3DV4 - SN7472, 2020-08-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2021-03-19	2021-03-19
psSAR1g [W/Kg]	0.052	0.047
psSAR10g [W/Kg]	0.019	0.018
Power Drift [dB]	-0.11	-0.11
M2/M1 [%]		49.6
Dist 3dB Peak [mm]		9.5



P07 WLAN UNII-5_802.11ax HE160_Rear Face_15mm_Ch79_Ant3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 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, HSL	Rear Face, 15.00	U-NII-5	WLAN, 10743-AAB	6345	5.7	5.86	33.7

Hardware Setup

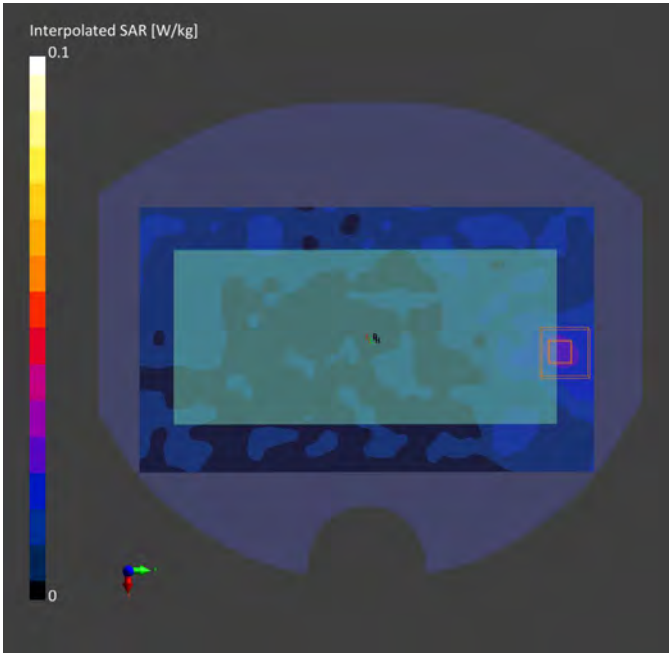
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1982	HBBL-600-10000 Charge:xxxx, 2021-Mar-19	EX3DV4 - SN7472, 2020-08-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2021-03-19	2021-03-19
psSAR1g [W/Kg]	0.023	0.016
psSAR10g [W/Kg]	0.009	0.008
Power Drift [dB]	-0.16	-0.16
M2/M1 [%]		62.1
Dist 3dB Peak [mm]		11.0



P08 WLAN UNII-5_802.11ax HE160_Rear Face_15mm_Ch79_Ant4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 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, HSL	Rear Face, 15.00	U-NII-5	WLAN, 10743-AAB	6345	5.7	5.84	33.8

Hardware Setup

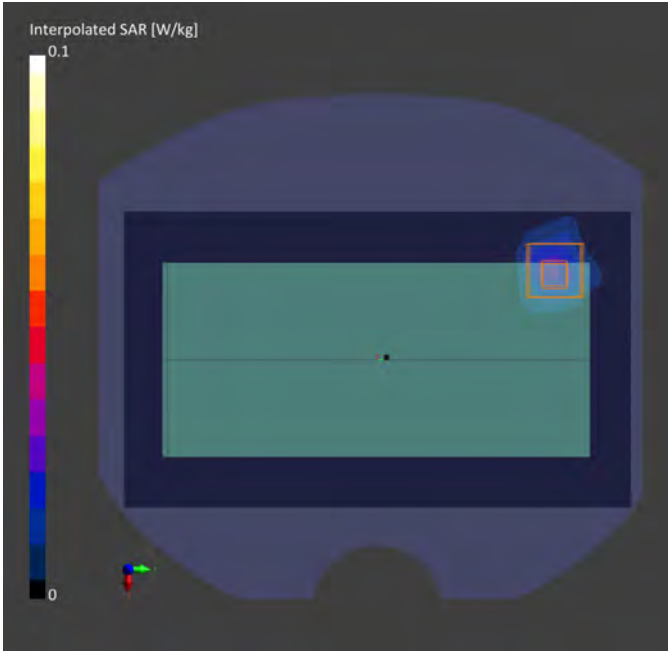
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1988	H19T27N1 , 2021-Mar-22	EX3DV4 - SN7472, 2020-08-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2021-03-22	2021-03-22
psSAR1g [W/Kg]	0.025	0.028
psSAR10g [W/Kg]	0.009	0.010
Power Drift [dB]	-0.17	0.12
M2/M1 [%]		45.4
Dist 3dB Peak [mm]		11.0



P09 WLAN UNII-5_802.11ax 160_Rear Face_15mm_Ch79_Ant6+3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 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, HSL	Rear Face, 15.00	U-NII-5	WLAN, 10743-AAB	6345.0	5.7	6.01	34.3

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1982	HBBL-600-10000 , 2021-Feb-04	EX3DV4 - SN3650, 2020-03-25	DAE4 Sn861, 2020-05-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	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

Measurement Results

	Area Scan	Zoom Scan
Date	2021-02-01	2021-02-01
psSAR1g [W/Kg]	0.051	0.059
psSAR10g [W/Kg]	0.016	0.021
Power Drift [dB]	1.80	0.12
M2/M1 [%]		50.0
Dist 3dB Peak [mm]		11.2

