

APPENDIX A: VERIFICATION PLOTS

PCTEST

09-17-2021

835MHz Body Verification

Medium

Frequency [MHz]	TSL	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [C]	Tissue Temperature [C]
835.0	835 Body	0.997	52.8	21.3	20.5

Exposure Conditions

Phantom Section	Test Distance [mm]	Power [dBm]	Communication System, UID
Flat	15	23.0	CW, 0

Hardware Setup

Phantom	Dipole	Probe, Calibration Date	Conversion Factor	DAE, Calibration Date
Twin-SAM V8.0 Right - 1981	D835V2 - SN4d047	EX3DV4 - SN7570, 2020-12-15	9.9	DAE4 Sn859, 2020-12-07

Software Setup

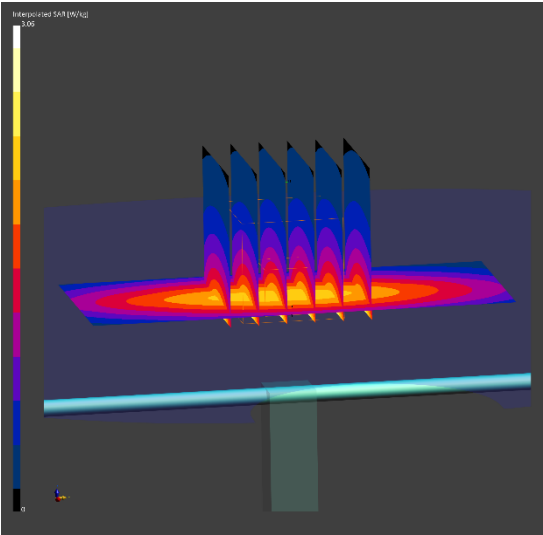
Software	Software Version
cDASY6 Module SAR	16.0.0.116

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5

Measurement Results

	Zoom Scan
psSAR1g [W/Kg]	1.92
psSAR10g [W/Kg]	1.25
Dev. 1g [%]	1.37



PCTEST

09-20-2021

835MHz Body Verification

Medium

Frequency [MHz]	TSL	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [C]	Tissue Temperature [C]
835.0	835 Body	0.943	53.6	19.8	18.9

Exposure Conditions

Phantom Section	Test Distance [mm]	Power [dBm]	Communication System, UID
Flat	15	23.0	CW, 0

Hardware Setup

Phantom	Dipole	Probe, Calibration Date	Conversion Factor	DAE, Calibration Date
Twin-SAM V8.0 Right - 1981	D835V2 - SN4d047	EX3DV4 - SN7570, 2020-12-15	9.9	DAE4 Sn859, 2020-12-07

Software Setup

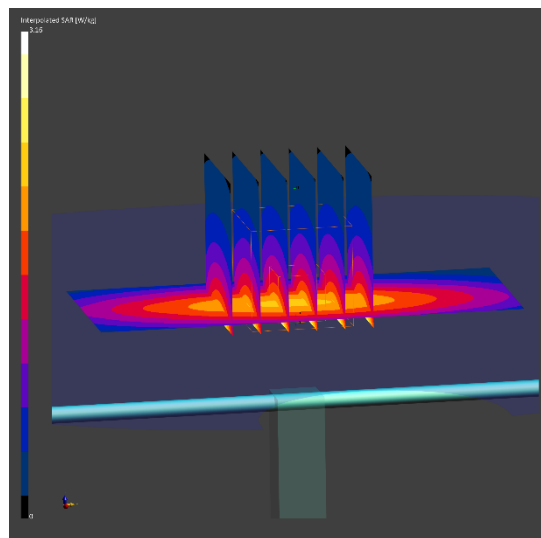
Software	Software Version
cDASY6 Module SAR	16.0.0.116

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5

Measurement Results

	Zoom Scan
psSAR1g [W/Kg]	1.94
psSAR10g [W/Kg]	1.28
Dev. 1g [%]	2.43



PCTEST

09-28-2021

1750MHz Body Verification

Medium

Frequency [MHz]	TSL	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [C]	Tissue Temperature [C]
1750.0	1750 Body	1.54	52.1	22	20.8

Exposure Conditions

Phantom Section	Test Distance [mm]	Power [dBm]	Communication System, UID
Flat	10	20.0	CW, 0

Hardware Setup

Phantom	Dipole	Probe, Calibration Date	Conversion Factor	DAE, Calibration Date
Twin-SAM V8.0 Right - 1981	D1750V2 - SN1148	EX3DV4 - SN7570, 2020-12-15	8.46	DAE4 Sn859, 2020-12-07

Software Setup

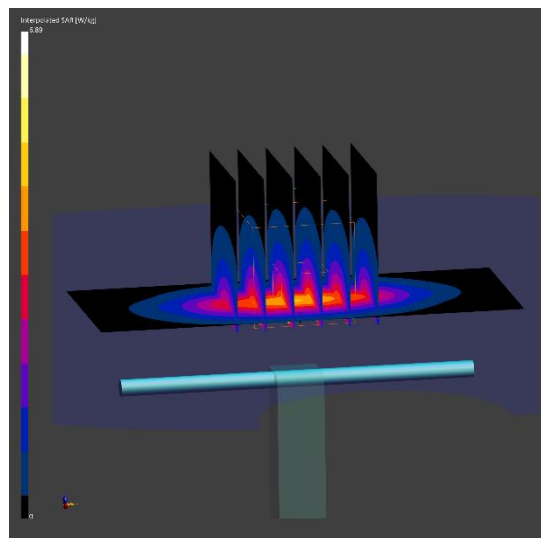
Software	Software Version
cDASY6 Module SAR	16.0.0.116

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5

Measurement Results

	Zoom Scan
psSAR1g [W/Kg]	3.66
psSAR10g [W/Kg]	1.92
Dev. 1g [%]	0.83



PCTEST

09-23-2021

3700MHz Body Verification

Medium

Frequency [MHz]	TSL	TSL Conductivity [S/m]	TSL Permittivity	Ambient Temperature [C]	Tissue Temperature [C]
3700.0	3600 Body	3.43	49.7	21.1	20.5

Exposure Conditions

Phantom Section	Test Distance [mm]	Power [dBm]	Communication System, UID
Flat	10	20.0	CW, 0

Hardware Setup

Phantom	Dipole	Probe, Calibration Date	Conversion Factor	DAE, Calibration Date
Twin-SAM V8.0 Right - 1981	D3700V2 - SN1067	EX3DV4 - SN7570, 2020-12-15	6.45	DAE4 Sn859, 2020-12-07

Software Setup

Software	Software Version
cDASY6 Module SAR	16.0.0.116

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
Grading Ratio	1.5	1.5

Measurement Results

	Zoom Scan
psSAR1g [W/Kg]	6.29
psSAR10g [W/Kg]	2.30
Dev. 1g [%]	-3.53

