APPENDIX B: SYSTEM VERIFICATION PLOTS

PCTEST

DUT: Dipole 6500.0 MHz; Type: D6.5GHzV2 - SN1019

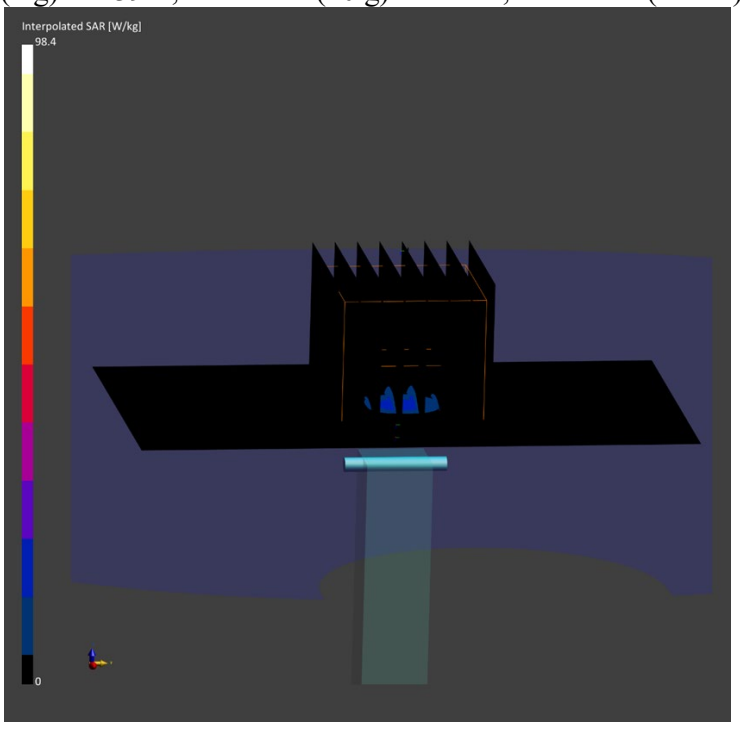
Communication System: UID: 0, CW; Frequency: 6500.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6500.0 MHz; cond = 6.23 S/m; perm = 32.1; density = 1000 kg/m^3
Phantom Section: Flat; Space: 5 mm

Test Date: 12/20/2021; Ambient Temp: 18.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7659; ConvF:(5.9,5.9,5.9); Calibrated: 2021-06-29
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.0.0.65

6500 MHz System Verification at 17 dBm (50 mW)

Area Scan (51.0 x 85.0): Measurement grid: dx=8.5 mm, dy=8.5 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 98.4 W/kg
SAR(1 g) = 15.0 W/kg; SAR(10 g) = 2.74 W/kg; APD(4 cm^2) = 66.8 W/m^2
Deviation (1 g) = 2.39%; Deviation (10 g) = 2.24%; Deviation (4 cm2) = -0.30%



PCTEST

Date: 12/20/2021

10 GHz System Verification

Device Under Test Properties

DUT	Serial Number
10 GHz Verification Source	1004

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	10.00	Validation band	10000.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9364, 06/21/2021	DAE4ip SN1638, 11/11/2021

Software Setup

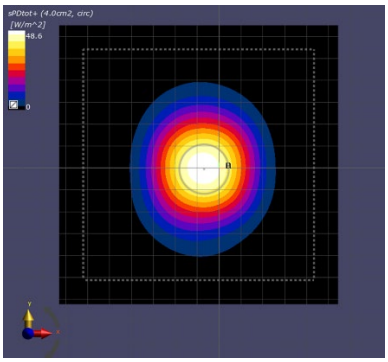
Software	Software Version
cDASY6 Module mmWave	2.4.2.62

Scans Setup

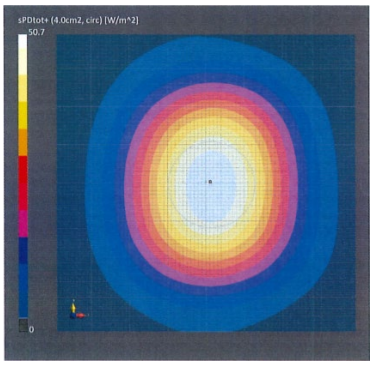
Scan Type	5G Scan
Grid Extents [mm]	120 x 120
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.00

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS_{tot} avg [W/m²]	48.7
pS_n avg [W/m²]	48.4
E_{peak} [V/m]	142
Deviation (dB)	-0.17



10 GHz System Verification



Calibration Certificate