Appendix B

System Validations

Date/Time: 11/29/2016 6:52:54 PM

Head 5750 MHz validation

DUT: 5.8 dipole;

Communication System: CW; Frequency: 5750 MHz;Duty Cycle: 1:1

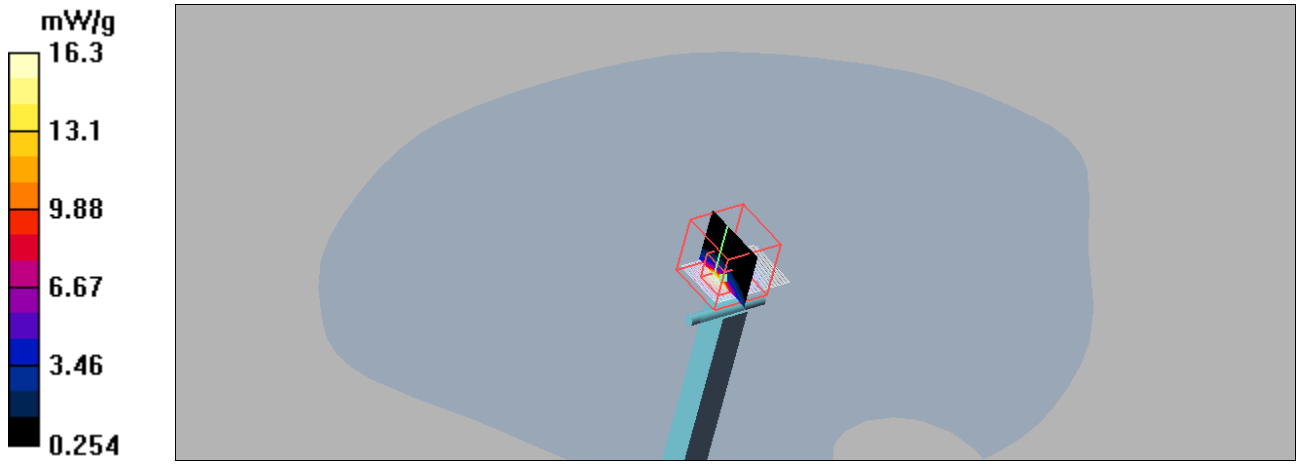
Medium parameters used: f = 5750 MHz; σ = 5.1 mho/m; ε_r = 36.86; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN7385; ConvF(4.75, 4.75, 4.75); Calibrated: 3/2/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn493; Calibrated: 5/13/2016
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (41x61x1): Measurement grid: dx=5mm, dy=5mm Maximum value of SAR (interpolated) = 16.3 mW/g

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 37.4 V/m; Power Drift = -0.049 dB
Peak SAR (extrapolated) = 31.0 W/kg
SAR(1 g) = 7.58 mW/g; SAR(10 g) = 2.17 mW/g
Maximum value of SAR (measured) = 14.7 mW/g



Date/Time: 12/12/2016 8:12:56 PM

Body 5750 MHz validation

DUT: 5.8 dipole;

Communication System: CW; Frequency: 5750 MHz;Duty Cycle: 1:1

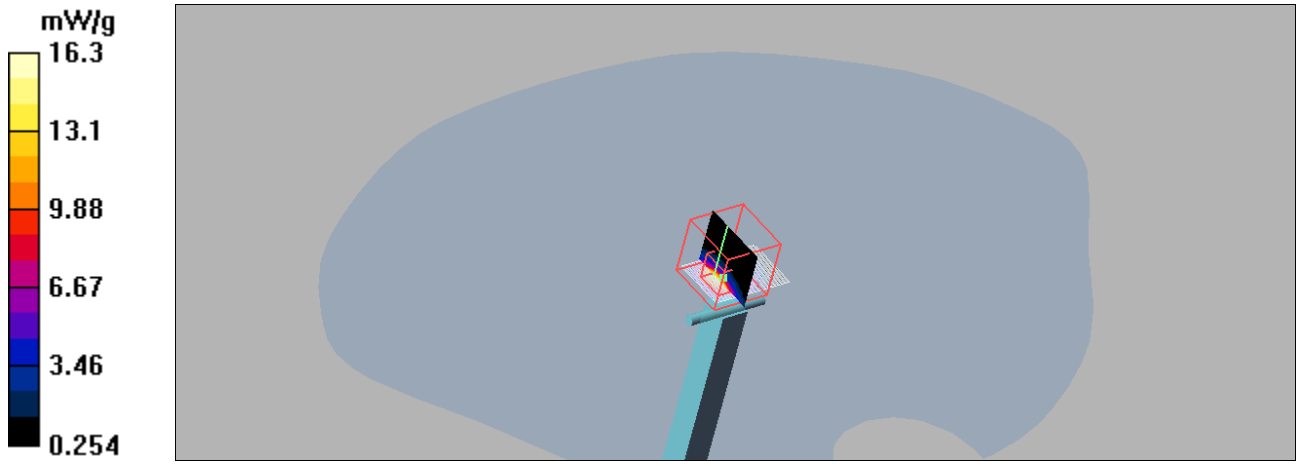
Medium parameters used: f = 5750 MHz; σ = 6.1 mho/m; ε_r = 50.6; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN7385; ConvF(4.13, 4.13, 4.13); Calibrated: 3/2/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn493; Calibrated: 5/13/2016
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (41x61x1): Measurement grid: dx=5mm, dy=5mm Maximum value of SAR (interpolated) = 16.8 mW/g

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 68.32 V/m; Power Drift = 0.052 dB
Peak SAR (extrapolated) = 32.1 W/kg
SAR(1 g) = 7.12 mW/g; SAR(10 g) = 2.03 mW/g
Maximum value of SAR (measured) = 17.2 mW/g



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2450 Head Validation-CW-200mW input power

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2

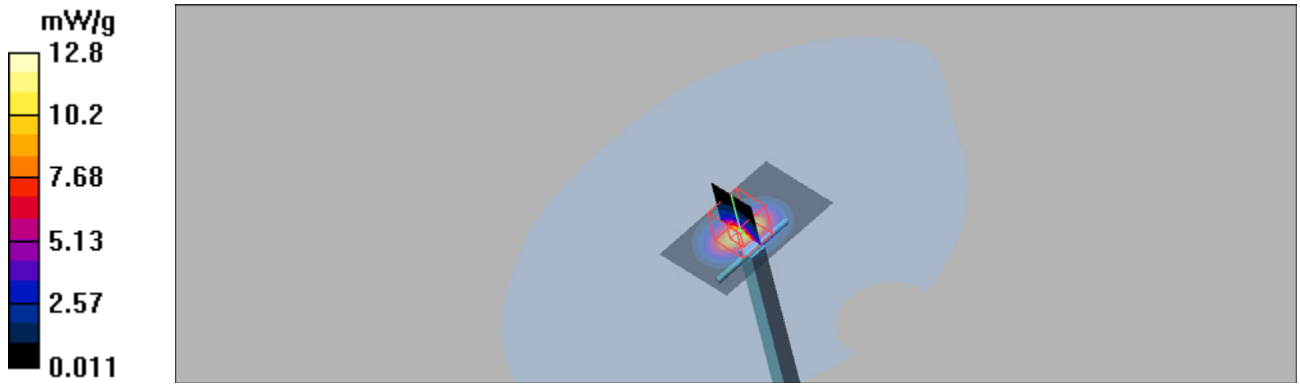
Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.69 mho/m; ε_r = 35.58; ρ = 1000 kg/
m^3 Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(4.5, 4.5, 4.5); Calibrated: 5/17/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn493; Calibrated: 5/13/2016
- Phantom: SAM with CRP; Type: SAM; Serial:
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (interpolated) = 12.8 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 82.3 V/m; Power Drift = 0.016 dB
Peak SAR (extrapolated) = 22.9 W/kg
SAR(1 g) = 10.8 mW/g; SAR(10 g) = 4.96 mW/g
Maximum value of SAR (measured) = 12.3 mW/g



Date/Time: 12/12/2016 2:10:54 PM

2450 Body Validation

DUT: Dipole 2450 MHz;

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.97 mho/m; ε_r = 51.93; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3035; ConvF(4.31, 4.31, 4.31); Calibrated: 5/17/2016
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn493; Calibrated: 5/13/2016
- Phantom: SAM with CRP; Type: SAM;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Area Scan (51x81x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 16.1 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.8 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 27.1 W/kg
SAR(1 g) = 13.0 mW/g; SAR(10 g) = 5.95 mW/g
Maximum value of SAR (measured) = 14.8 mW/g