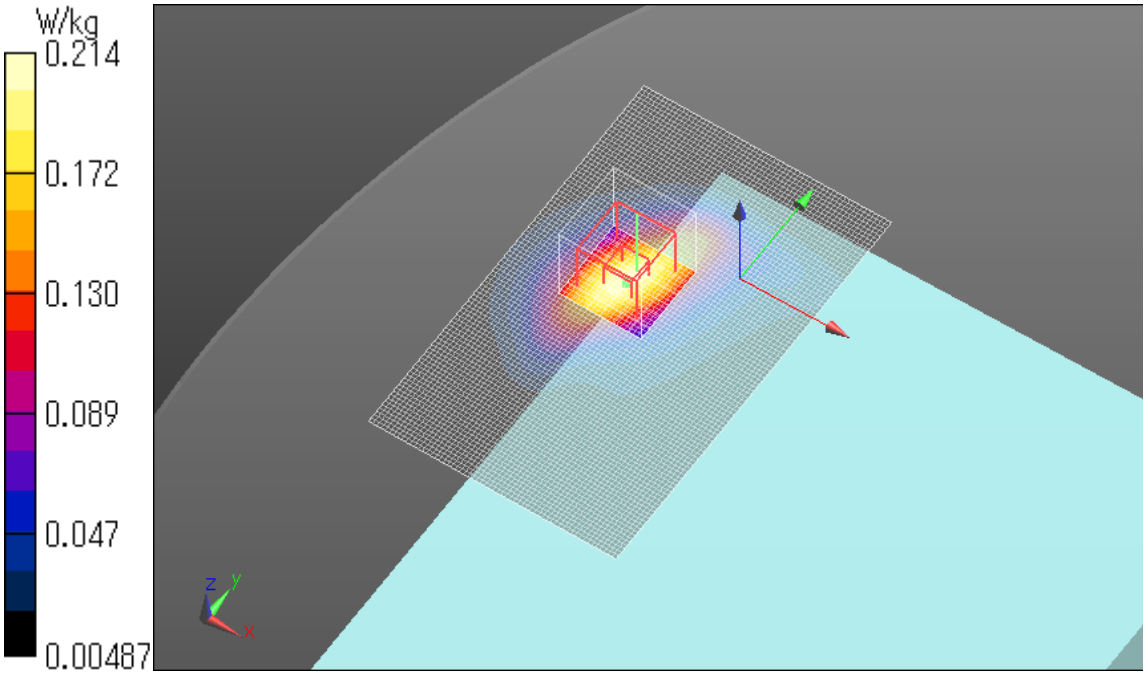
## 14.5 SAR test plots for WCDMA Band IV

**WCDMA IV Main Ant rear 0mm Reduced power 1732.6MHz**

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.6 MHz; $\sigma$ = 1.453 S/m; $\varepsilon_r$ = 53.971; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.91, 7.91, 7.91); Calibrated: 2013/05/14;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2013/05/13
Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.206 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.522 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.264 W/kg
**SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.091 W/kg**
Maximum value of SAR (measured) = 0.214 W/kg



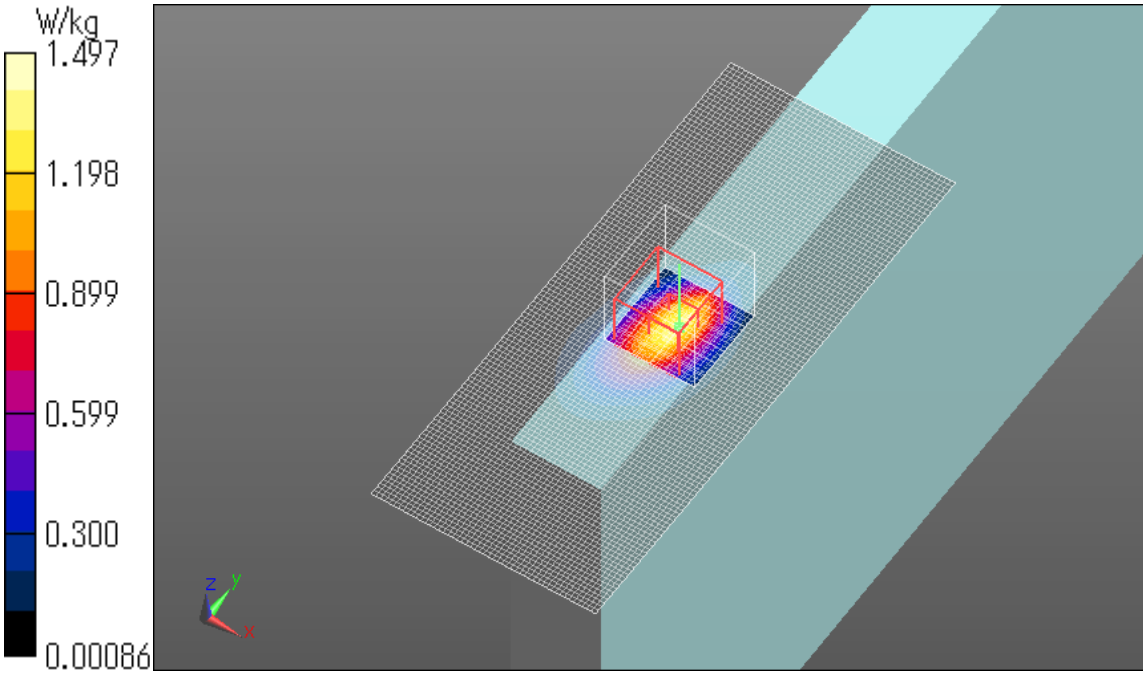

**Plot No.1**

**WCDMA IV Main Ant edge 1 0mm Reduced power 1712.4MHz**

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1712.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1712.4 MHz; $\sigma$ = 1.43 S/m; $\varepsilon_r$ = 54.004; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.91, 7.91, 7.91); Calibrated: 2013/05/14;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2013/05/13
Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Area Scan (51x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.50 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.598 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.86 W/kg
**SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.480 W/kg**
Maximum value of SAR (measured) = 1.40 W/kg

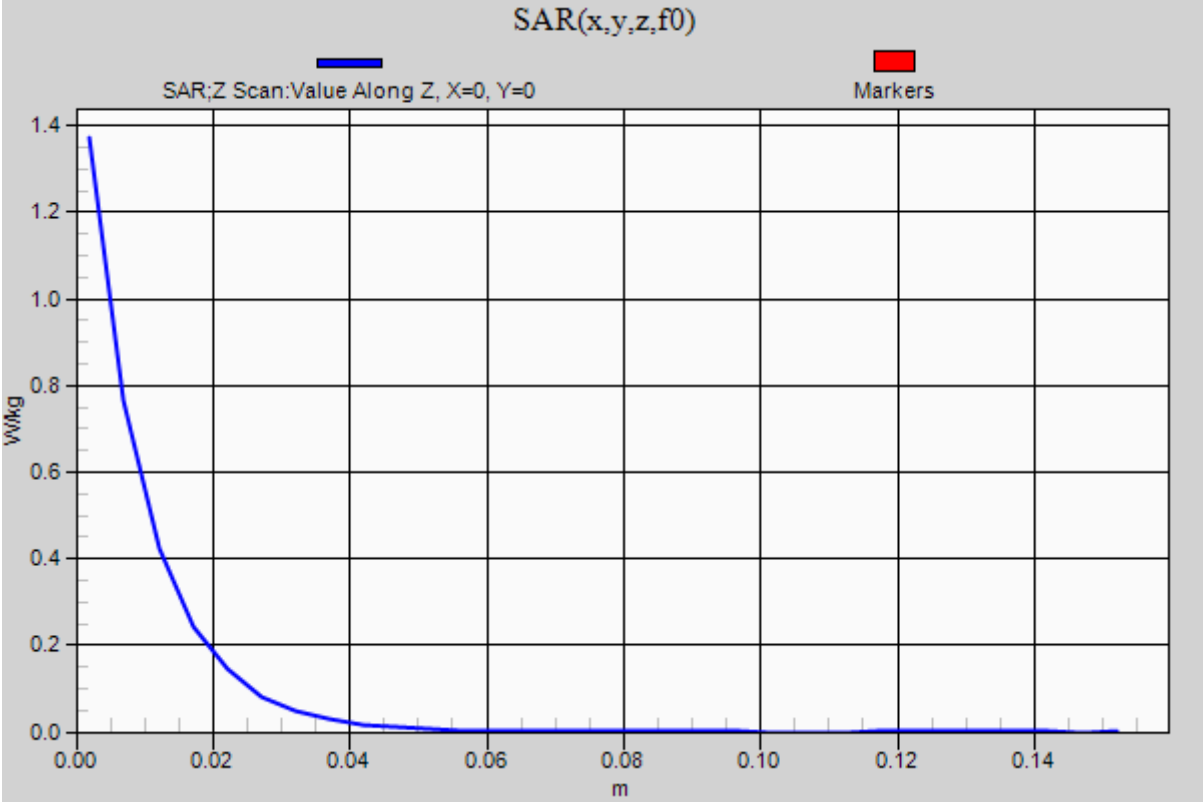



**Plot No.2**

**WCDMA IV Main Ant edge1 0mm Reduced power 1712.4MHz**

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1712.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1712.4 MHz; $\sigma$ = 1.43 S/m; $\varepsilon_r$ = 54.004; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.91, 7.91, 7.91); Calibrated: 2013/05/14;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2013/05/13
Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Z Scan (1x1x31):** Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.37 W/kg

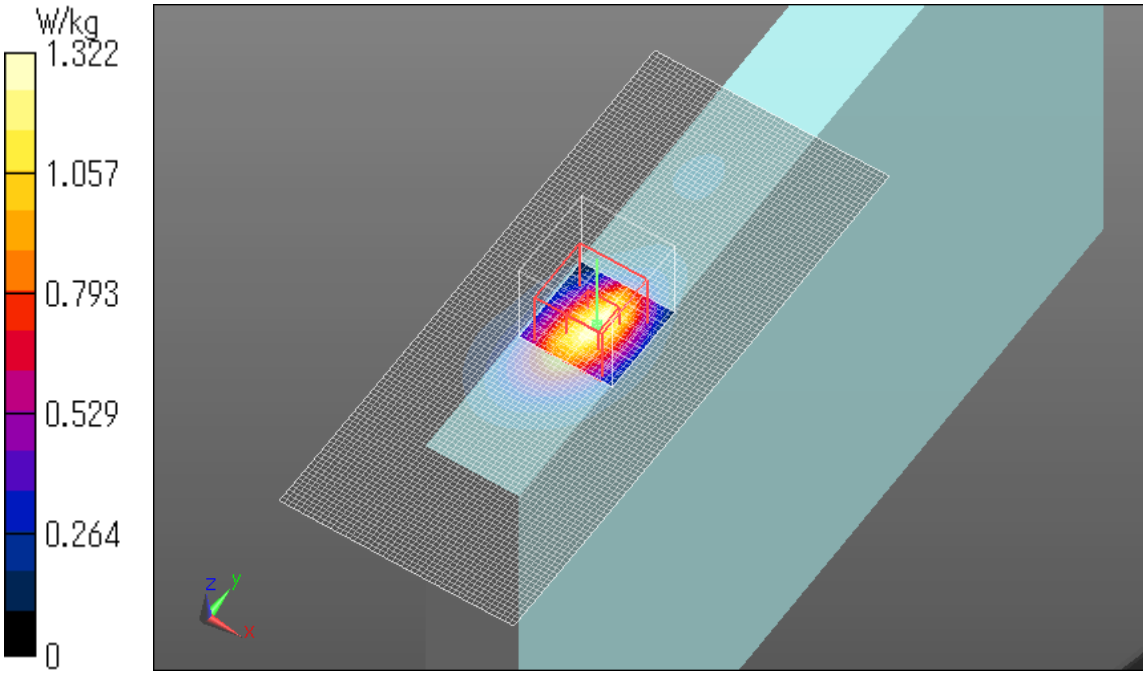


**WCDMA IV Main Ant edge 1 0mm Reduced power 1732.6MHz**

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.6 MHz; $\sigma$ = 1.453 S/m; $\varepsilon_r$ = 53.971; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.91, 7.91, 7.91); Calibrated: 2013/05/14;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2013/05/13
Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Area Scan (51x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.39 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.525 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.77 W/kg
**SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.453 W/kg**
Maximum value of SAR (measured) = 1.35 W/kg



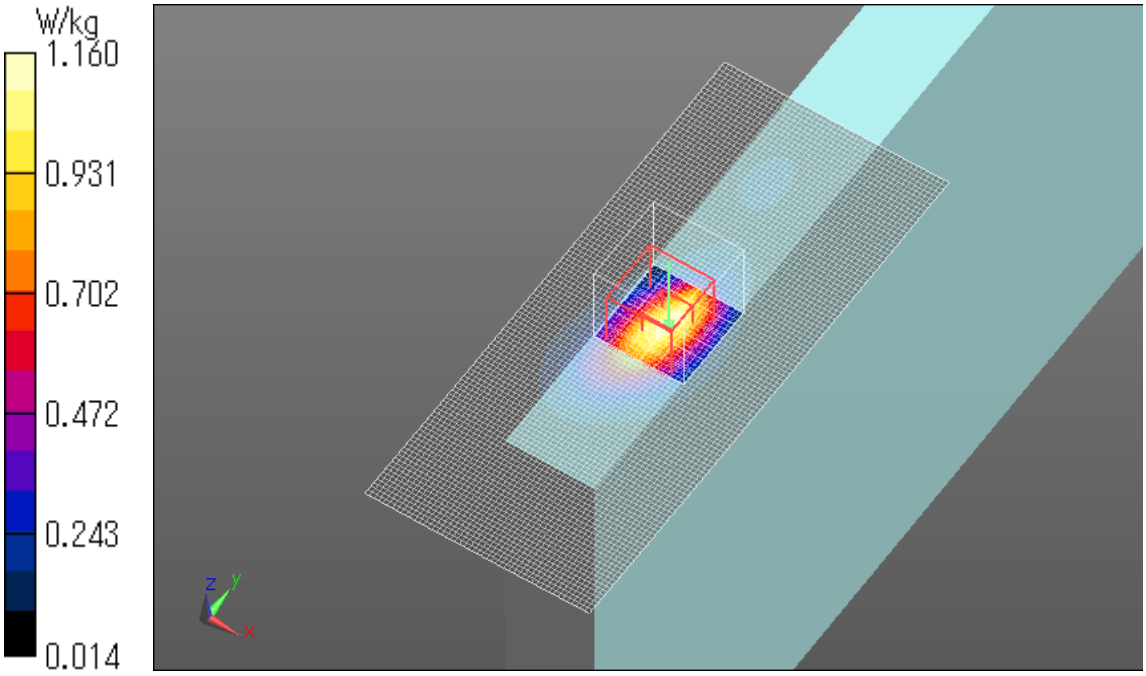

**Plot No.3**

**WCDMA IV Main Ant edge 1 0mm Reduced power 1752.6MHz**

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1752.6 MHz; $\sigma$ = 1.475 S/m; $\varepsilon_r$ = 53.97; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.91, 7.91, 7.91); Calibrated: 2013/05/14;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2013/05/13
Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Area Scan (51x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.25 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.675 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.53 W/kg
**SAR(1 g) = 0.781 W/kg; SAR(10 g) = 0.397 W/kg**
Maximum value of SAR (measured) = 1.16 W/kg



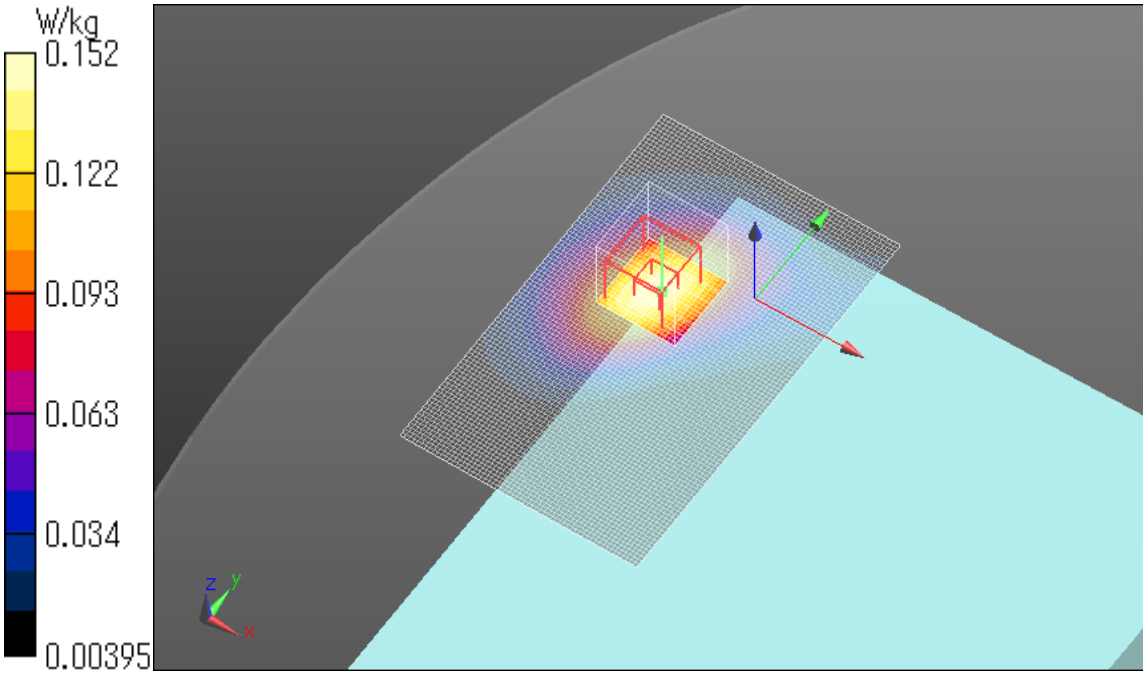

**Plot No.4**

**WCDMA IV Main Ant rear 13mm Full power 1732.6MHz**

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.6 MHz; $\sigma$ = 1.453 S/m; $\varepsilon_r$ = 53.971; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.91, 7.91, 7.91); Calibrated: 2013/05/14;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2013/05/13
Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.152 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.426 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.183 W/kg
**SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.072 W/kg**
Maximum value of SAR (measured) = 0.152 W/kg



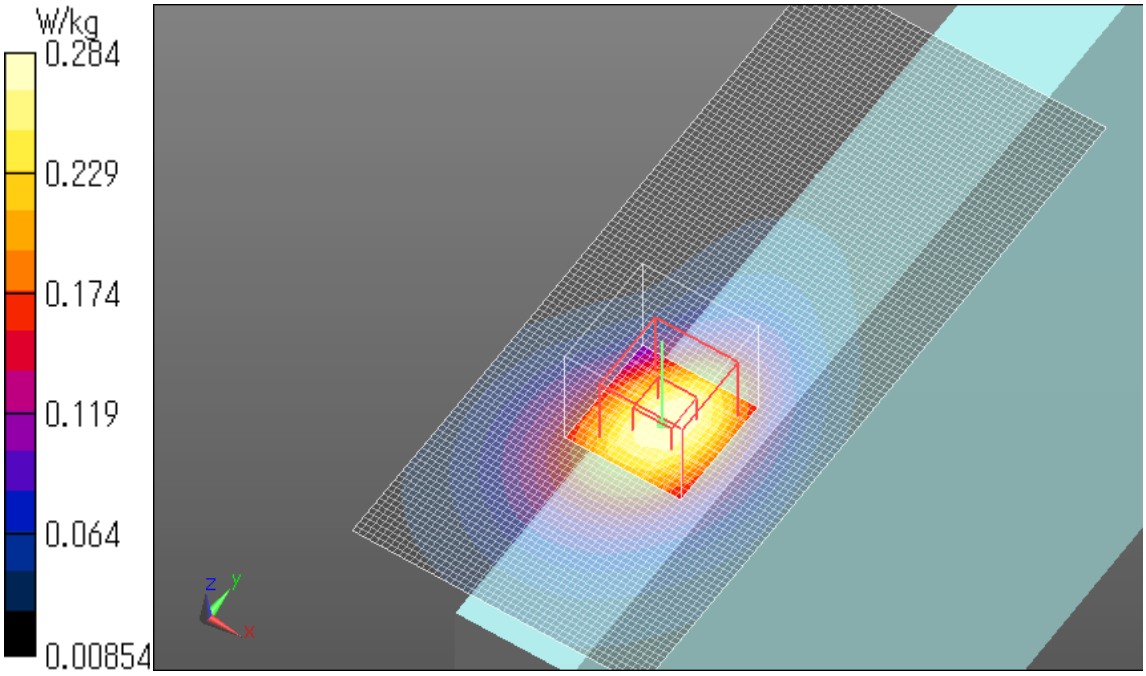

**Plot No.5**

**WCDMA IV Main Ant edge 1 21mm Full power 1732.6MHz**

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.6 MHz; $\sigma$ = 1.453 S/m; $\varepsilon_r$ = 53.971; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.91, 7.91, 7.91); Calibrated: 2013/05/14;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2013/05/13
Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Area Scan (51x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.290 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.354 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.344 W/kg
**SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.136 W/kg**
Maximum value of SAR (measured) = 0.284 W/kg



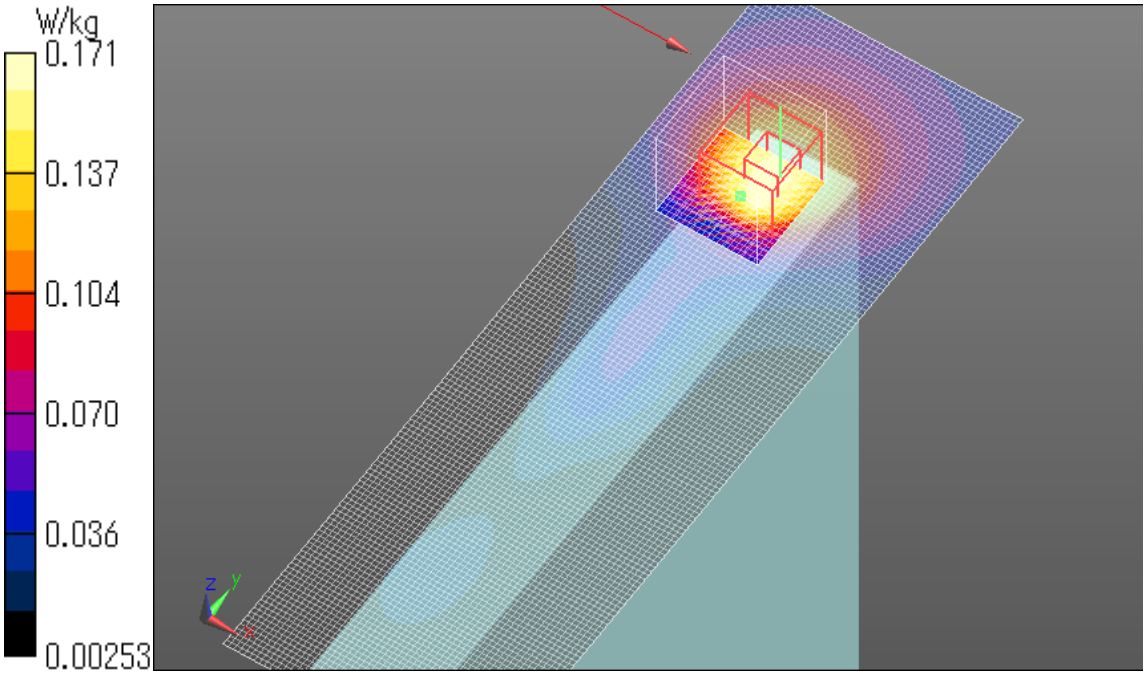

**Plot No.6**

**WCDMA IV Main Ant edge 4 0mm Full power 1732.6MHz**

Communication System: UID 0, WCDMA (0); Communication System Band: Band IV; Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.6 MHz; $\sigma$ = 1.453 S/m; $\varepsilon_r$ = 53.971; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3917; ConvF(7.91, 7.91, 7.91); Calibrated: 2013/05/14;
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1369; Calibrated: 2013/05/13
Phantom: ELI v5.0 SN1203; Type: QDOVA002AA; Serial: TP:1203
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**Area Scan (51x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.277 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.337 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 0.237 W/kg
**SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.070 W/kg**
Maximum value of SAR (measured) = 0.171 W/kg




**Plot No.7**