

### LTE Band4 Left Cheek High with QPSK\_20M\_1RB\_Middle

Date: 2019-6-15

Electronics: DAE4 Sn1525

Medium: Head 1750 MHz

Medium parameters used  $f = 1745$  MHz;  $\sigma = 1.398$  mho/m;  $\epsilon_r = 40.405$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: LTE Band4 Frequency: 1745MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7514 ConvF(8.10, 8.10, 8.10)

**Area Scan (81x131x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.164 W/kg

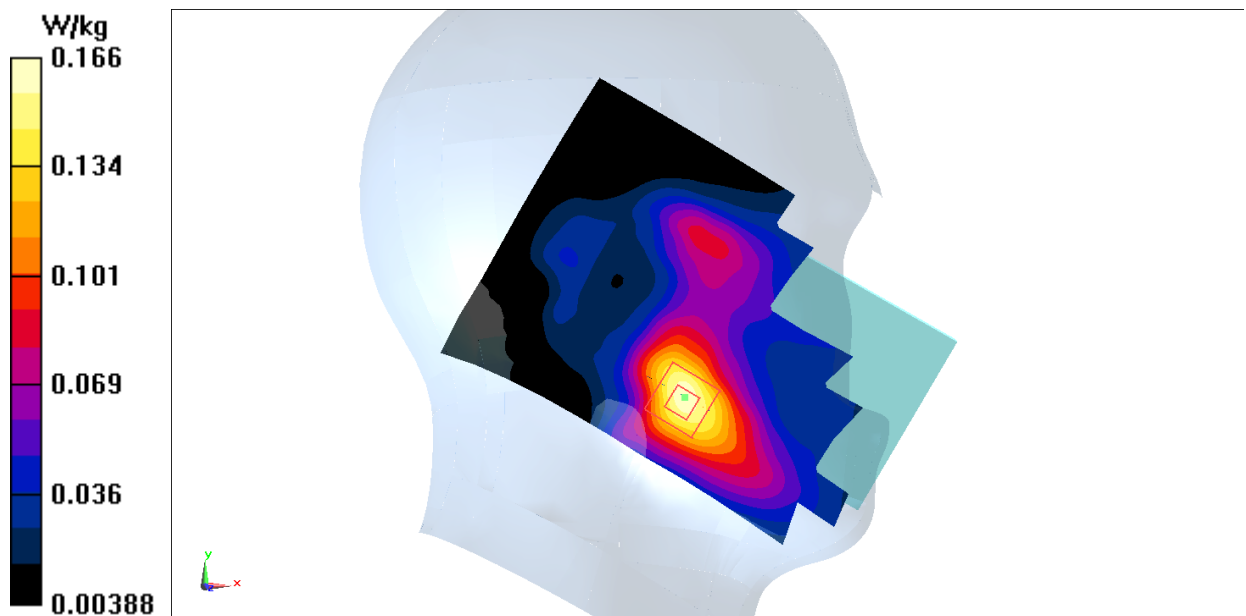
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.944 V/m; Power Drift = 0.16 dB

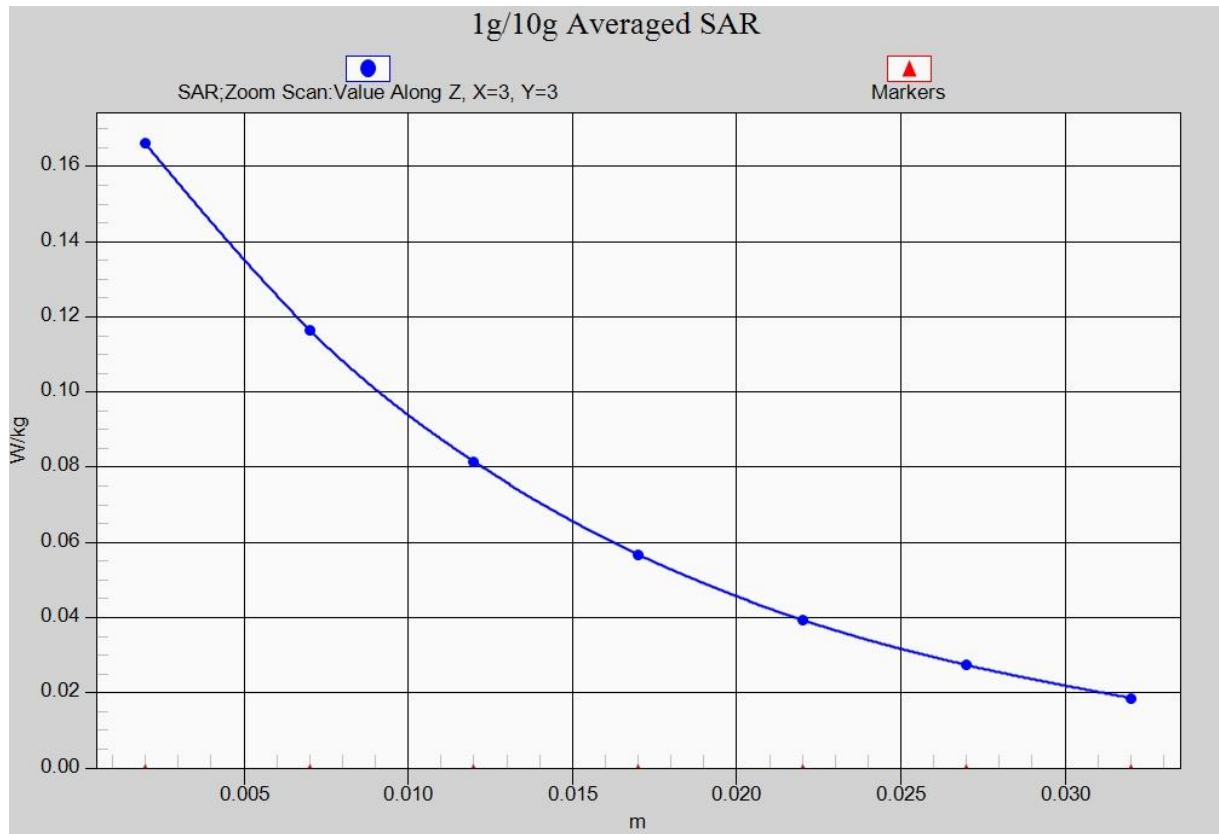
Peak SAR (extrapolated) = 0.198 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.086 W/kg

Maximum value of SAR (measured) = 0.166 W/kg



**Fig.13 LTE Band4**



**Fig. 13-1 Z-Scan at power reference point (LTE Band4)**

### LTE Band4 Body Rear Low with QPSK\_20M\_1RB\_Middle

Date: 2019-6-15

Electronics: DAE4 Sn1525

Medium: Body 1750 MHz

Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.474$  mho/m;  $\epsilon_r = 53.714$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: LTE Band4 Frequency: 1720 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7514 ConvF(7.82, 7.82, 7.82)

**Area Scan (81x131x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.15 W/kg

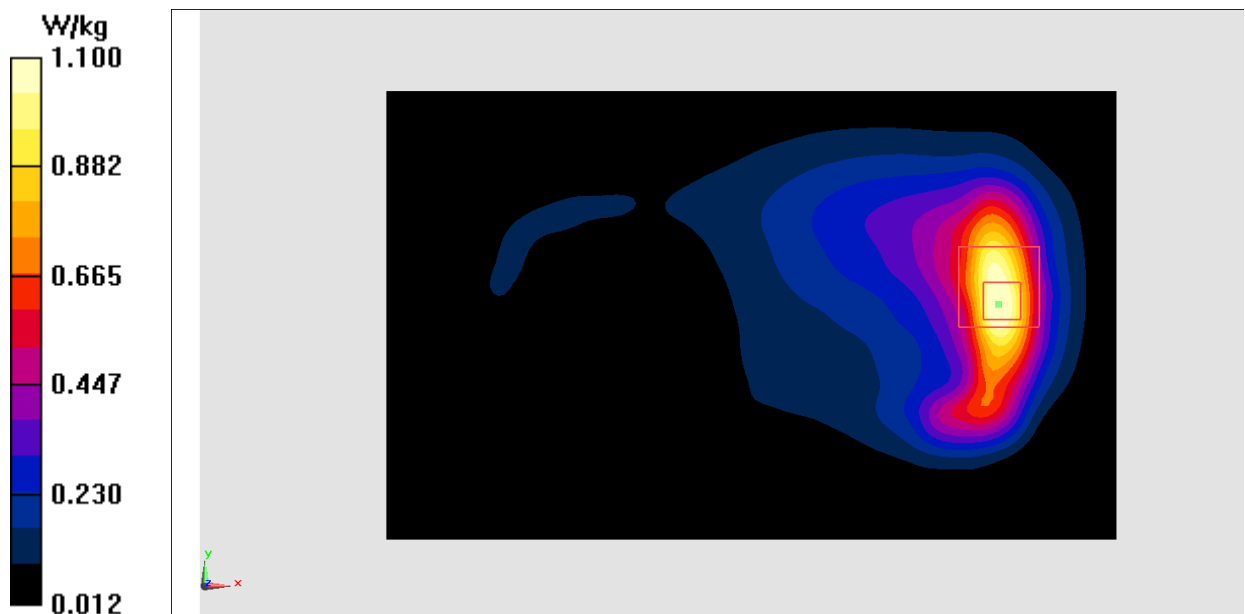
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.104 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.458 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



**Fig.14 LTE Band4**

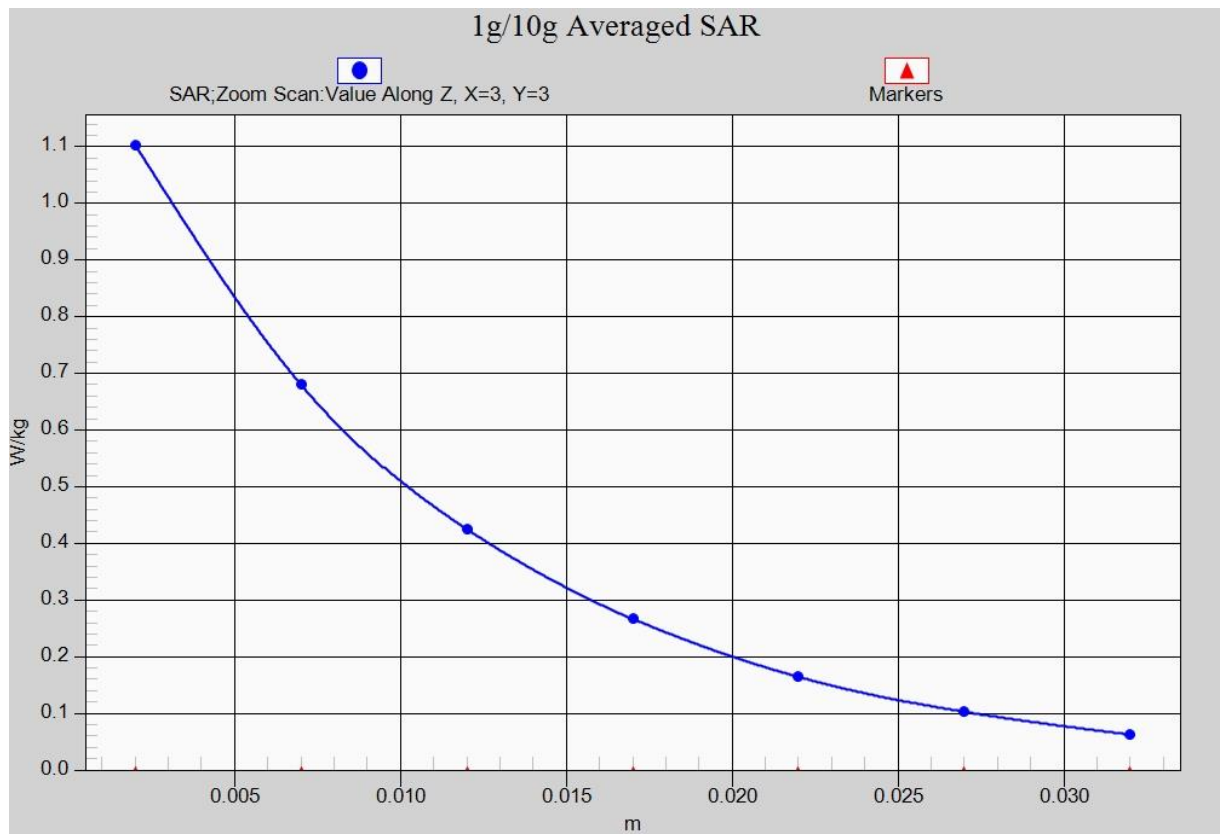


Fig. 14-1 Z-Scan at power reference point (LTE Band4)

### **LTE Band5 Left Cheek Middle with QPSK\_10M\_1RB\_Middle**

Date: 2019-6-12

Electronics: DAE4 Sn1525

Medium: Head 850 MHz

Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.902$  mho/m;  $\epsilon_r = 42.111$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: LTE Band5 Frequency: 836.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7514 ConvF(9.09, 9.09, 9.09)

**Area Scan (81x131x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.195 W/kg

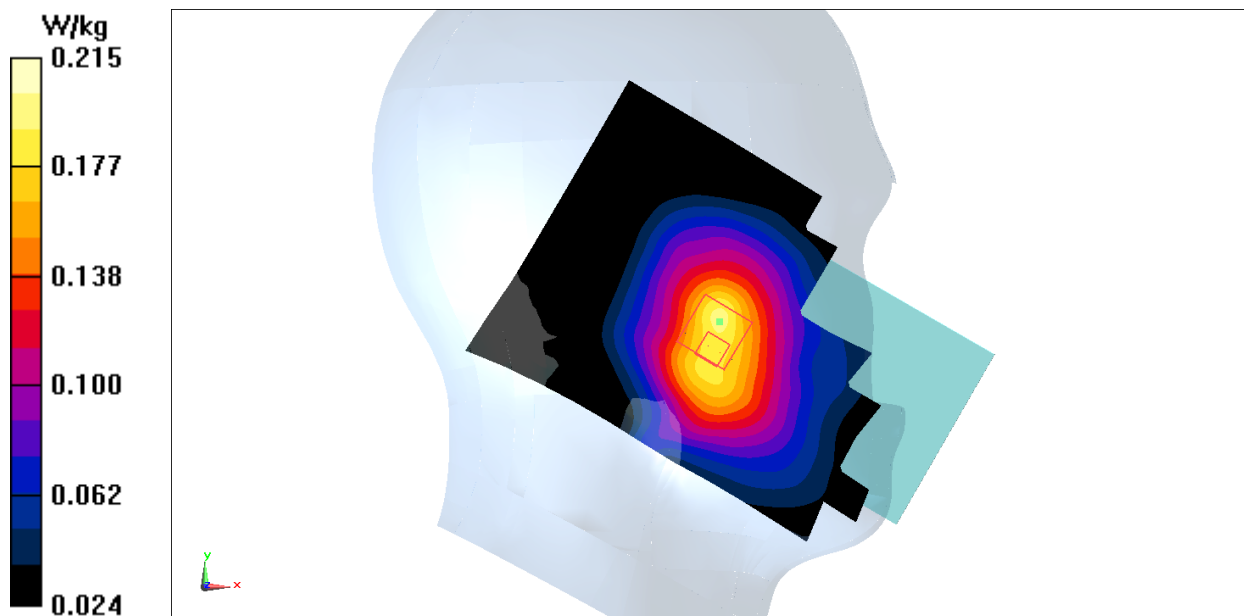
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.268 V/m; Power Drift = -0.02 dB

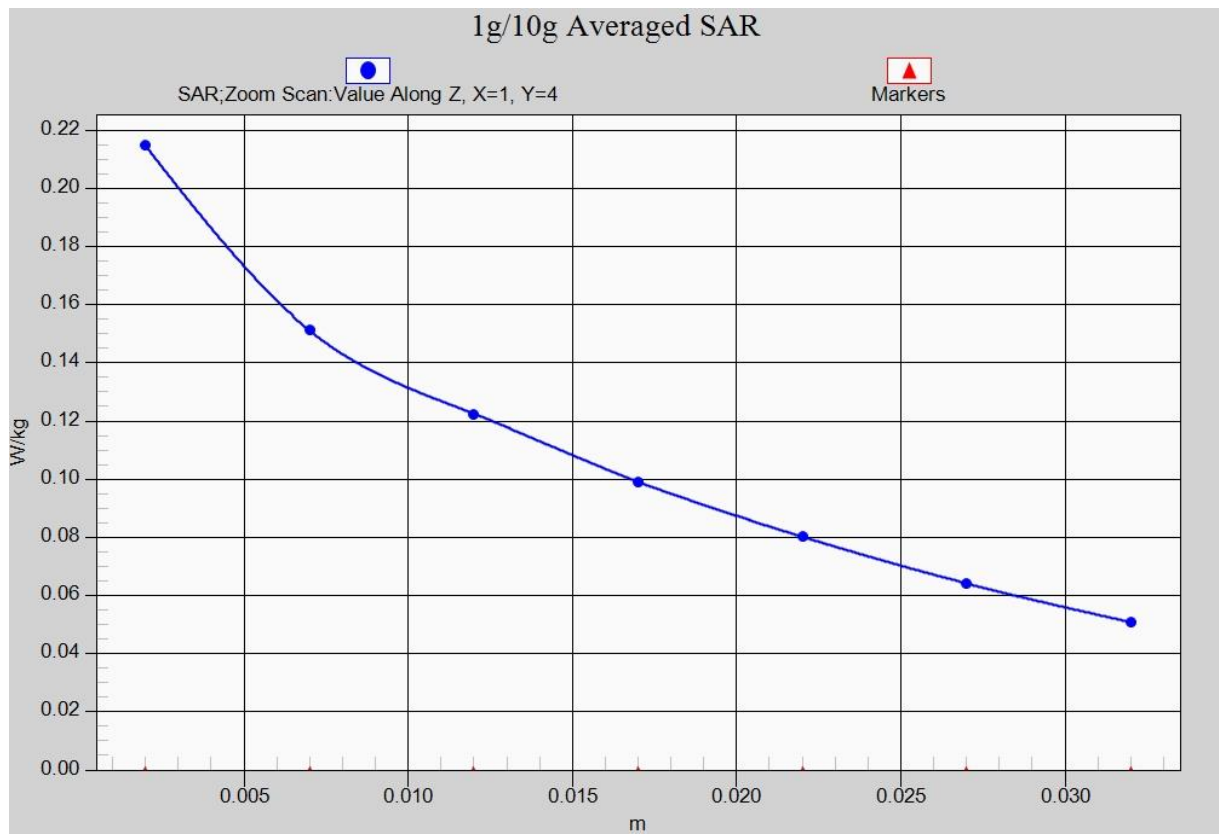
Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.215 W/kg



**Fig.15 LTE Band5**



**Fig. 15-1 Z-Scan at power reference point (LTE Band5)**

### LTE Band5 Body Rear Middle with QPSK\_10M\_1RB\_Middle

Date: 2019-6-12

Electronics: DAE4 Sn1525

Medium: Body 850 MHz

Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 1.013$  mho/m;  $\epsilon_r = 55.004$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: LTE Band5 Frequency: 836.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7514 ConvF(9.47, 9.47, 9.47)

**Area Scan (81x131x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.581 W/kg

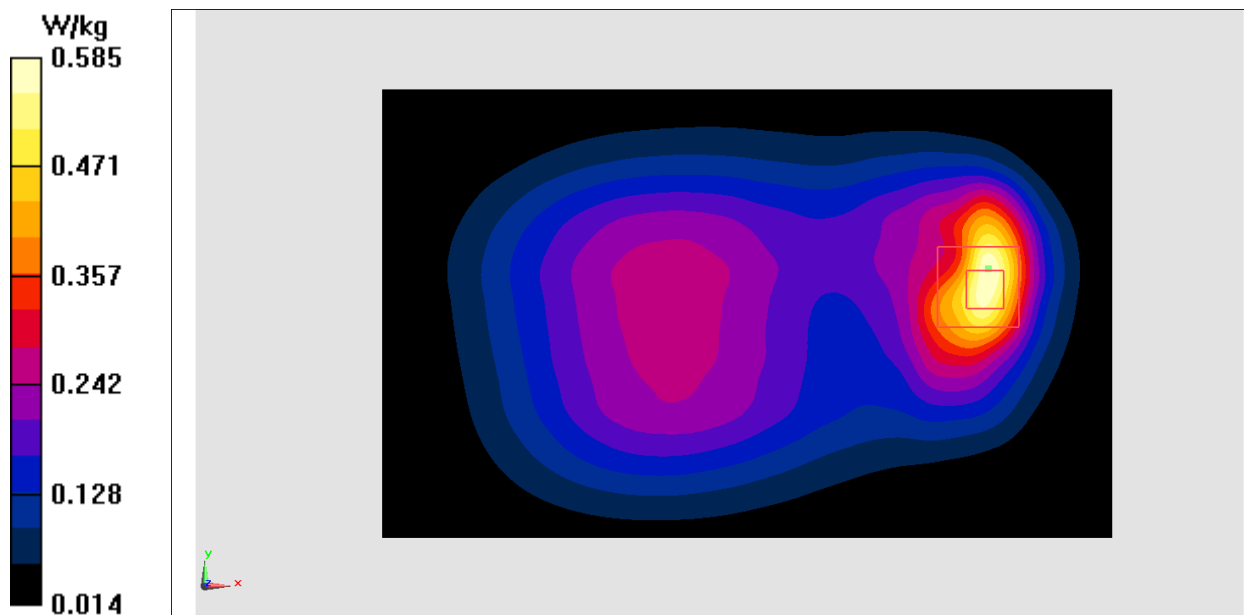
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.45 V/m; Power Drift = -0.06 dB

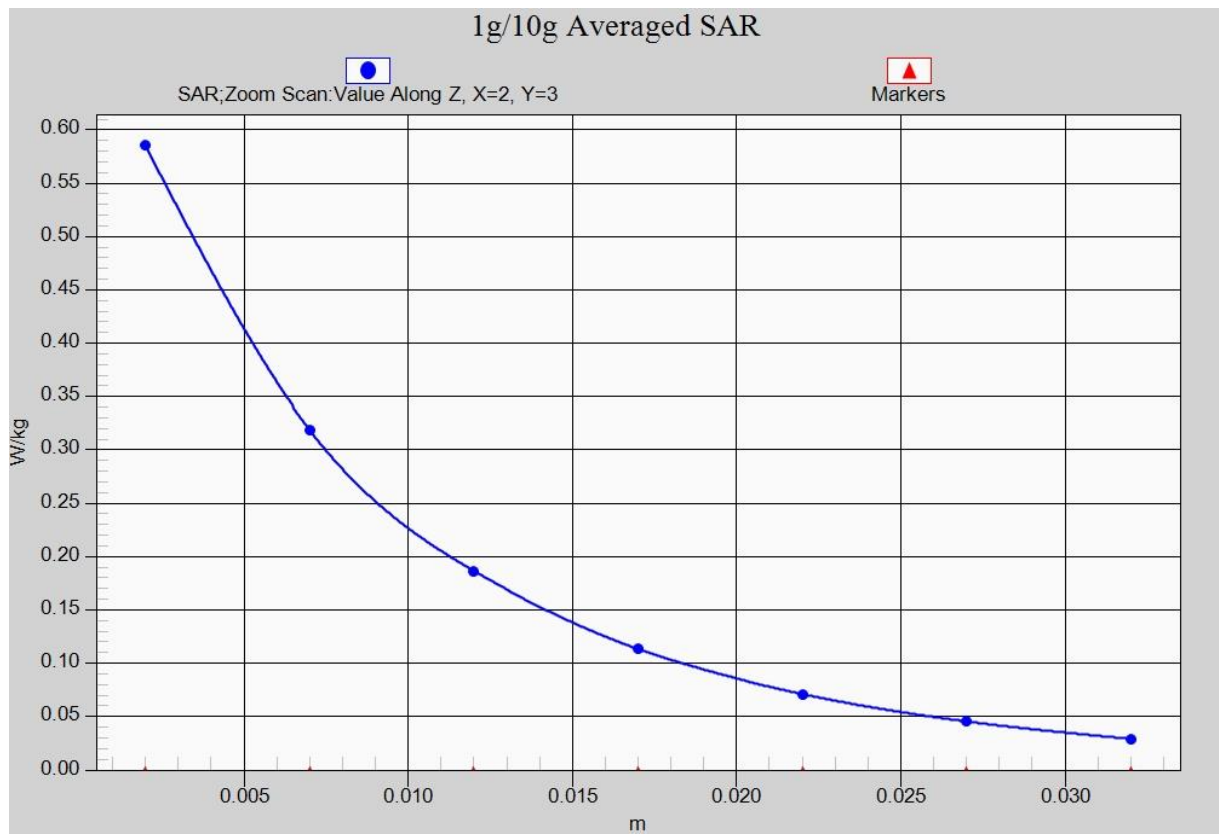
Peak SAR (extrapolated) = 0.766 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.229 W/kg.

Maximum value of SAR (measured) = 0.585 W/kg



**Fig.16 LTE Band5**



**Fig. 16-1 Z-Scan at power reference point (LTE Band5)**



### LTE Band7 Right Cheek High with QPSK\_20M\_1RB\_Middle

Date: 2019-6-17

Electronics: DAE4 Sn1525

Medium: Head 2600 MHz

Medium parameters used:  $f = 2560$  MHz;  $\sigma = 1.981$  mho/m;  $\epsilon_r = 38.44$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: LTE Band7 Frequency: 2560 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN7514 ConvF(6.92, 6.92, 6.92)

**Area Scan (101x161x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.0792 W/kg

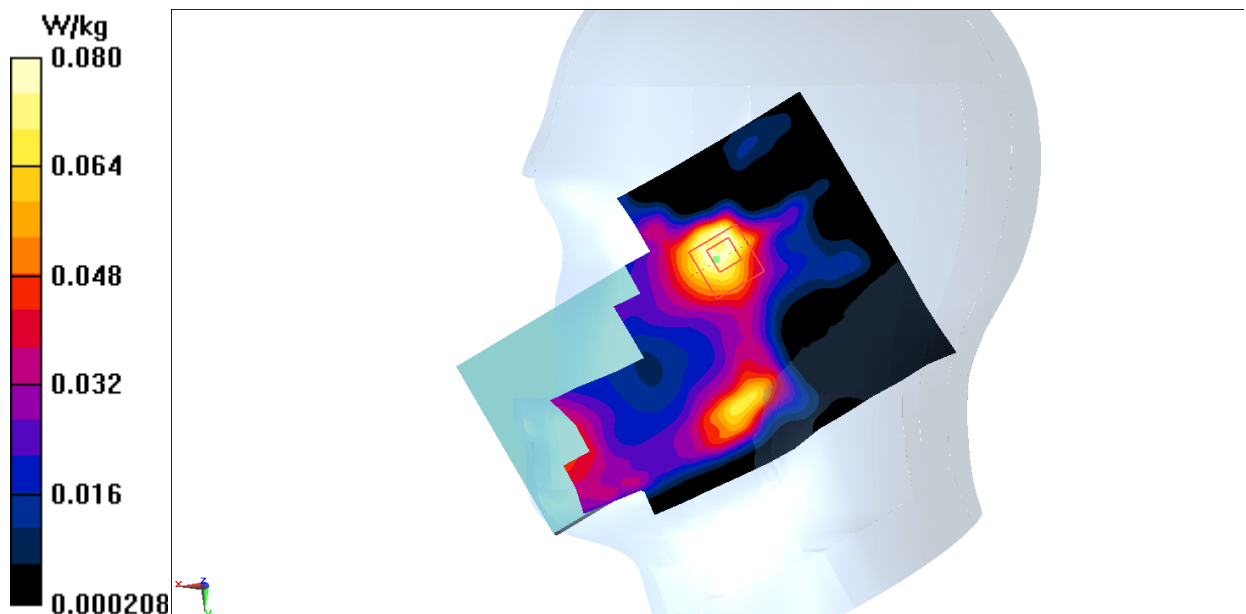
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.716 V/m; Power Drift = 0.11 dB

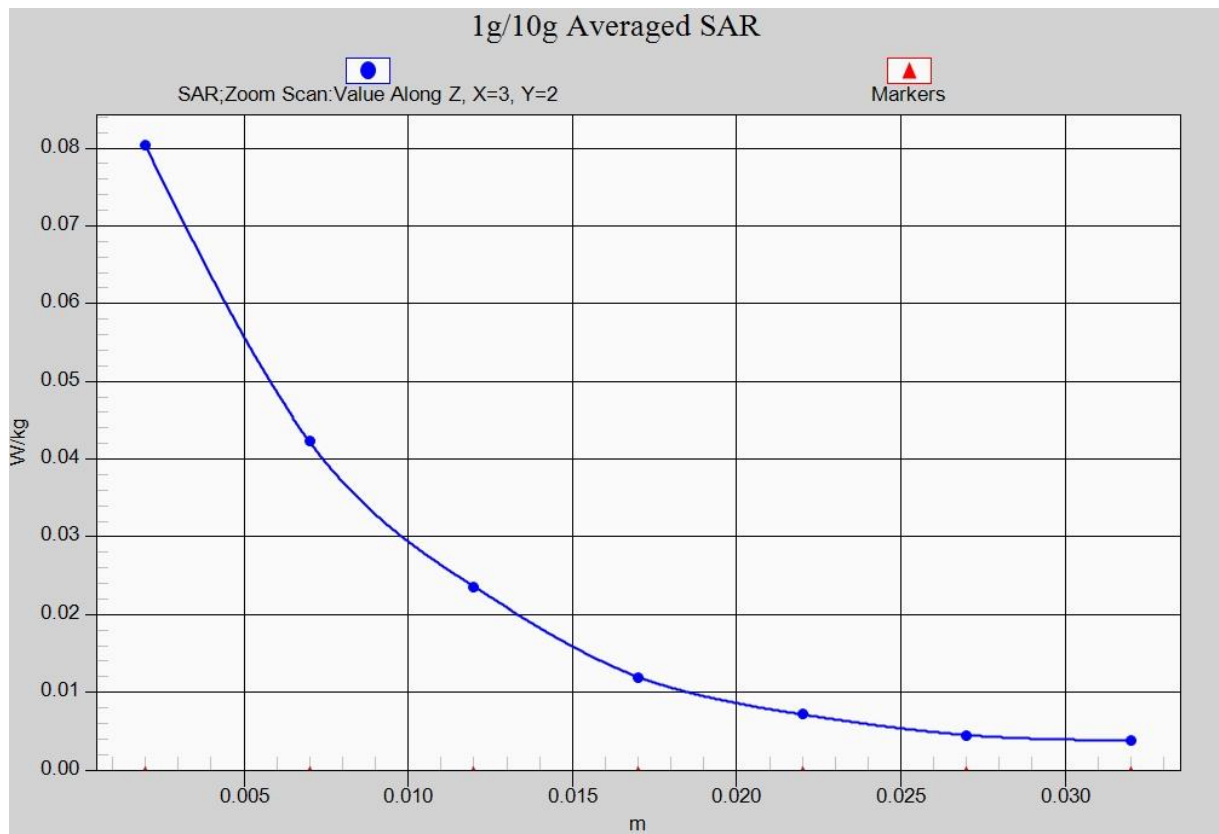
Peak SAR (extrapolated) = 0.104 W/kg

SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.030 W/kg

Maximum value of SAR (measured) = 0.0803 W/kg



**Fig.17 LTE Band7**



**Fig. 17-1 Z-Scan at power reference point (LTE Band7)**

### LTE Band7 Body Rear High with QPSK\_20M\_1RB\_Middle

Date: 2019-6-17

Electronics: DAE4 Sn1525

Medium: Body 2600 MHz

Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.213$  mho/m;  $\epsilon_r = 51.82$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: LTE Band7 Frequency: 2560 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN7514 ConvF(7.06, 7.06, 7.06)

**Area Scan (101x171x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.848 W/kg

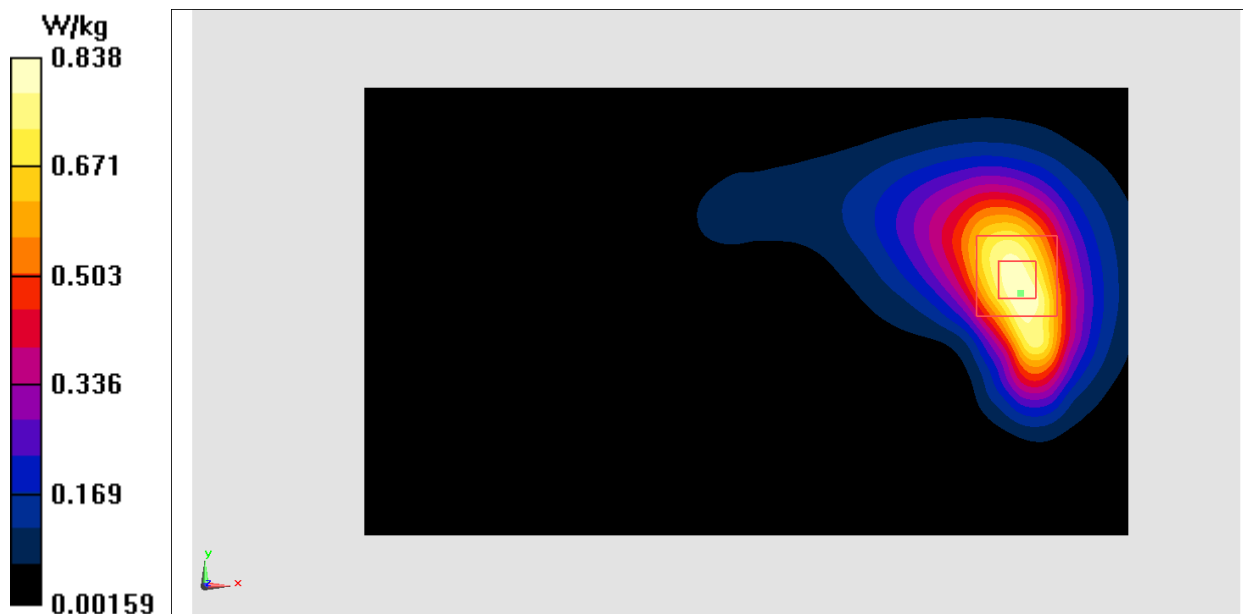
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.031 V/m; Power Drift = 0.07 dB

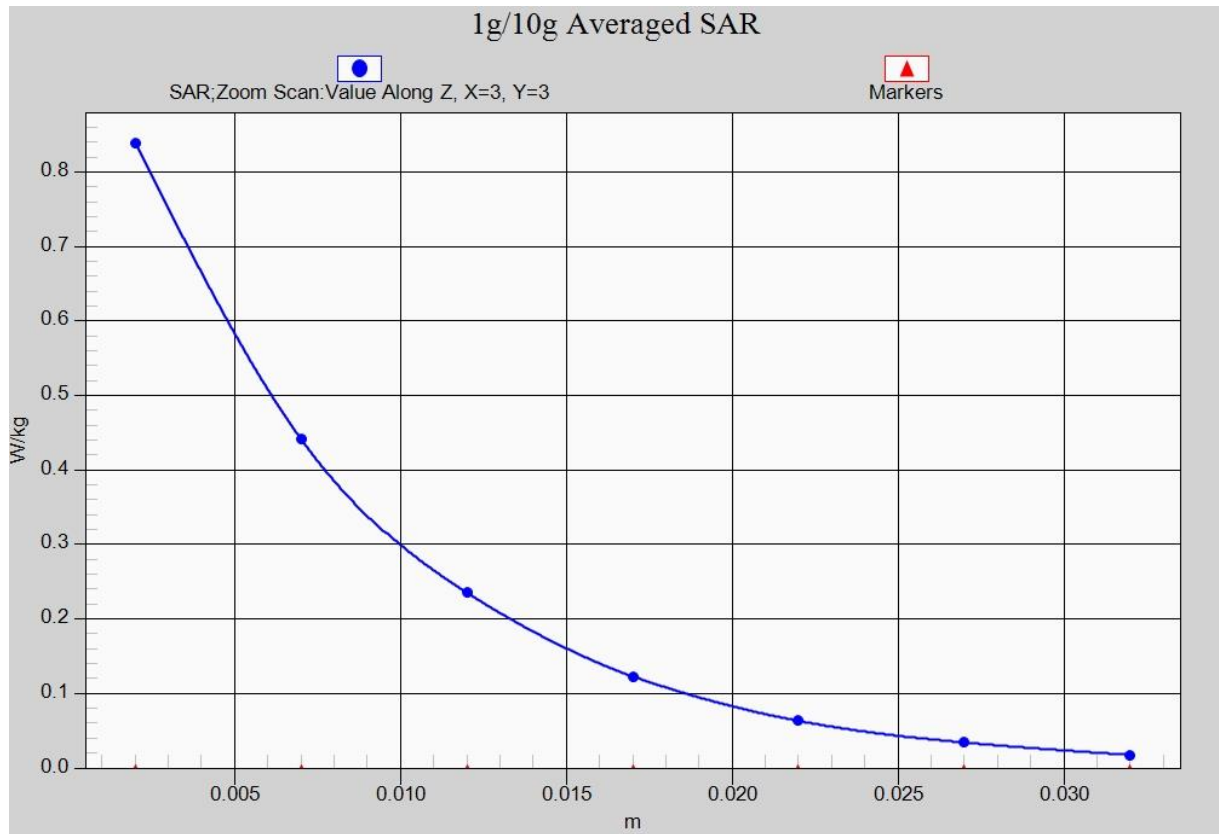
Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 0.838 W/kg



**Fig.18 LTE Band7**



**Fig. 18-1 Z-Scan at power reference point (LTE Band7)**

### LTE Band12 Left Cheek High with QPSK\_10M\_1RB\_Middle

Date: 2019-6-14

Electronics: DAE4 Sn1525

Medium: Head 750 MHz

Medium parameters used (interpolated):  $f = 711$  MHz;  $\sigma = 0.86$  mho/m;  $\epsilon_r = 42.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: LTE Band12 Frequency: 711 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN7514 ConvF(9.47, 9.47, 9.47)

**Area Scan (81x131x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.145 W/kg

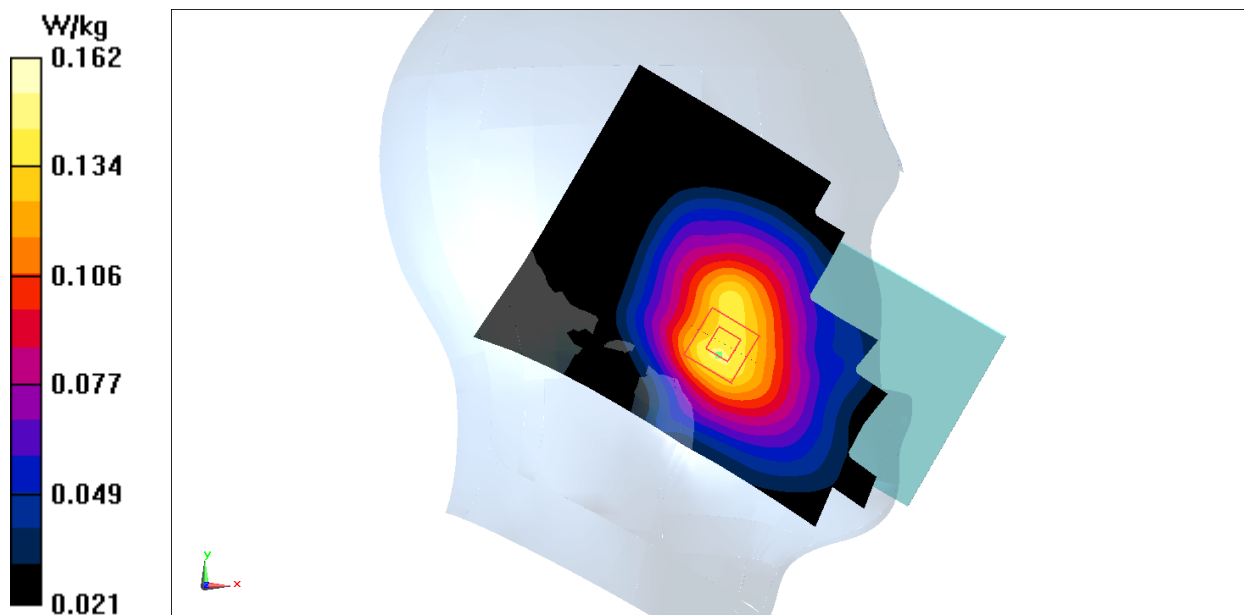
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.135 V/m; Power Drift = 0.03 dB

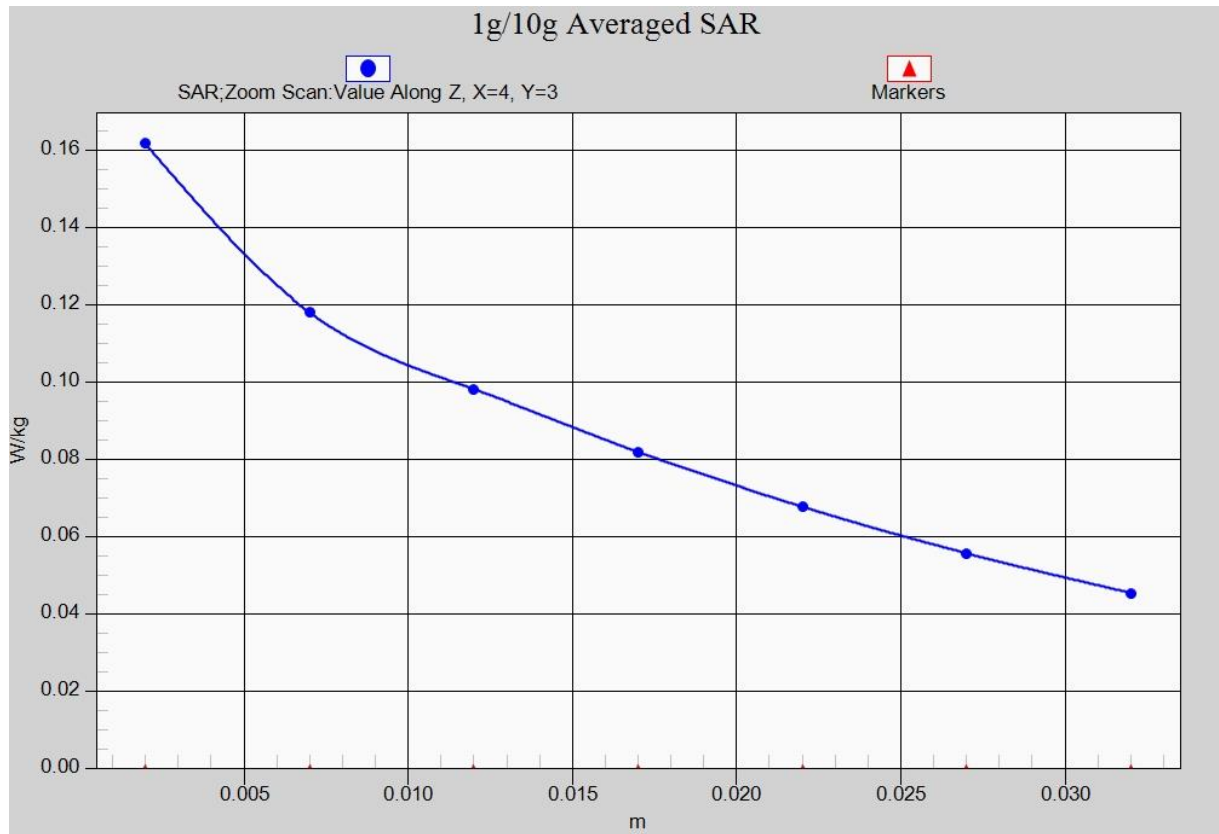
Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.099 W/kg

Maximum value of SAR (measured) = 0.162 W/kg



**Fig.19 LTE Band12**



**Fig. 19-1 Z-Scan at power reference point (LTE Band12)**

### LTE Band12 Body Rear Edge High with QPSK\_10M\_1RB\_Middle

Date: 2019-6-14

Electronics: DAE4 Sn1525

Medium: Body750 MHz

Medium parameters used (interpolated):  $f = 711$  MHz;  $\sigma = 0.964$  mho/m;  $\epsilon_r = 54.61$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: LTE Band12 Frequency: 711 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN7514 ConvF(9.68, 9.68, 9.68)

**Area Scan (81x131x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.323 W/kg

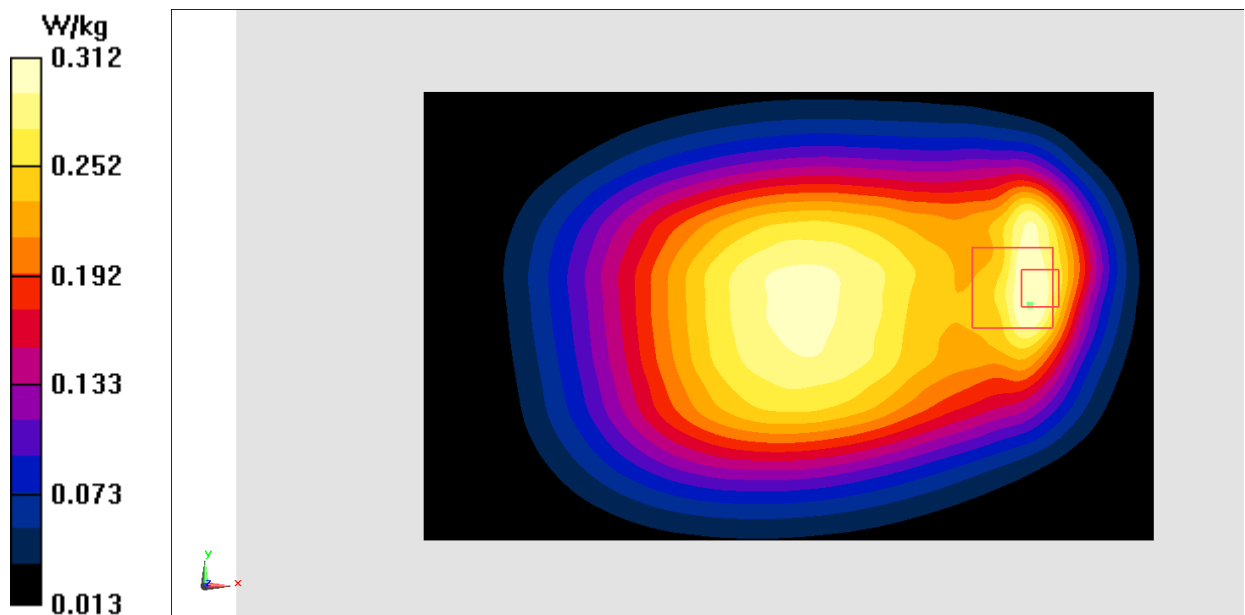
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 17.50 V/m; Power Drift = -0.01 dB

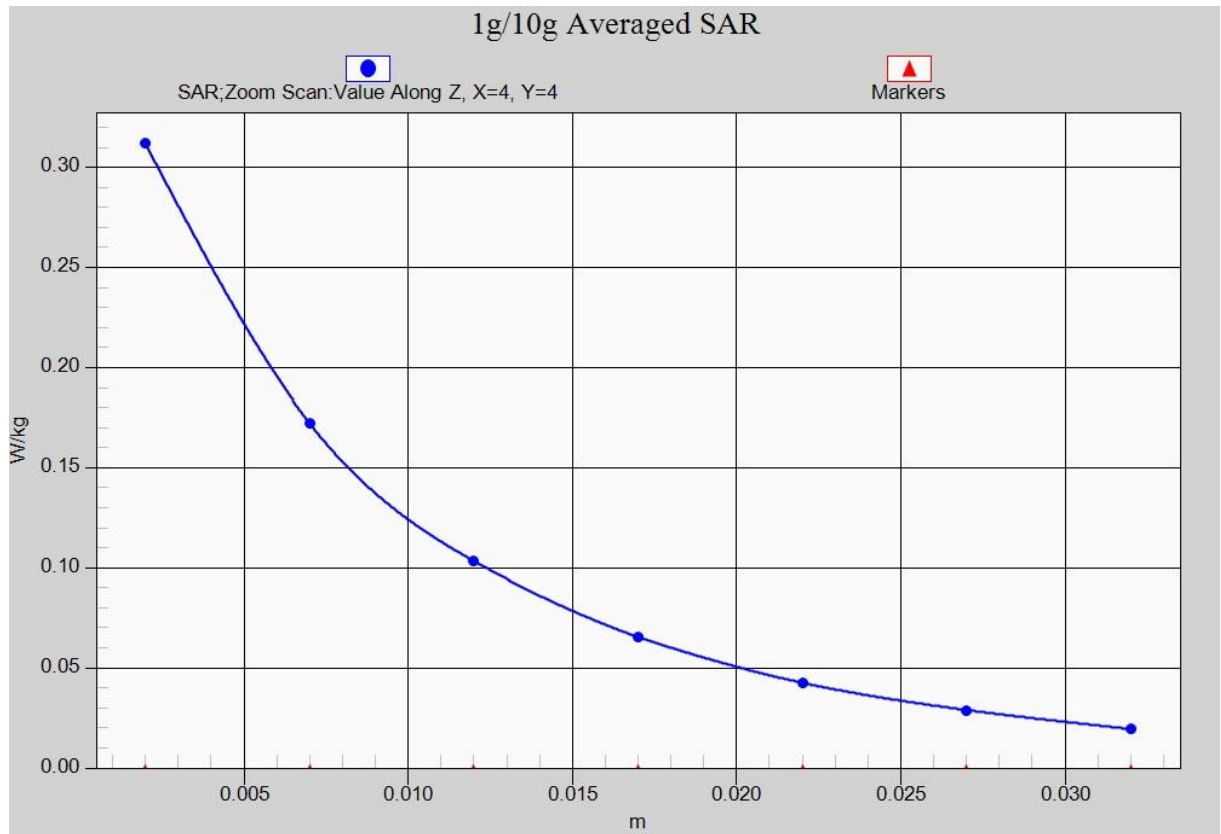
Peak SAR (extrapolated) = 0.406 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.145 W/kg

Maximum value of SAR (measured) = 0.312 W/kg



**Fig.20 LTE Band12**



**Fig. 20-1 Z-Scan at power reference point (LTE Band12)**



### Wifi 802.11b Left Tilt Channel 11

Date: 2019-6-16

Electronics: DAE4 Sn1525

Medium: Head 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.807$  mho/m;  $\epsilon_r = 38.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: Wlan 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4– SN7514 ConvF(6.95, 6.95, 6.95)

**Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.462 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.408 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.492 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.329 W/kg

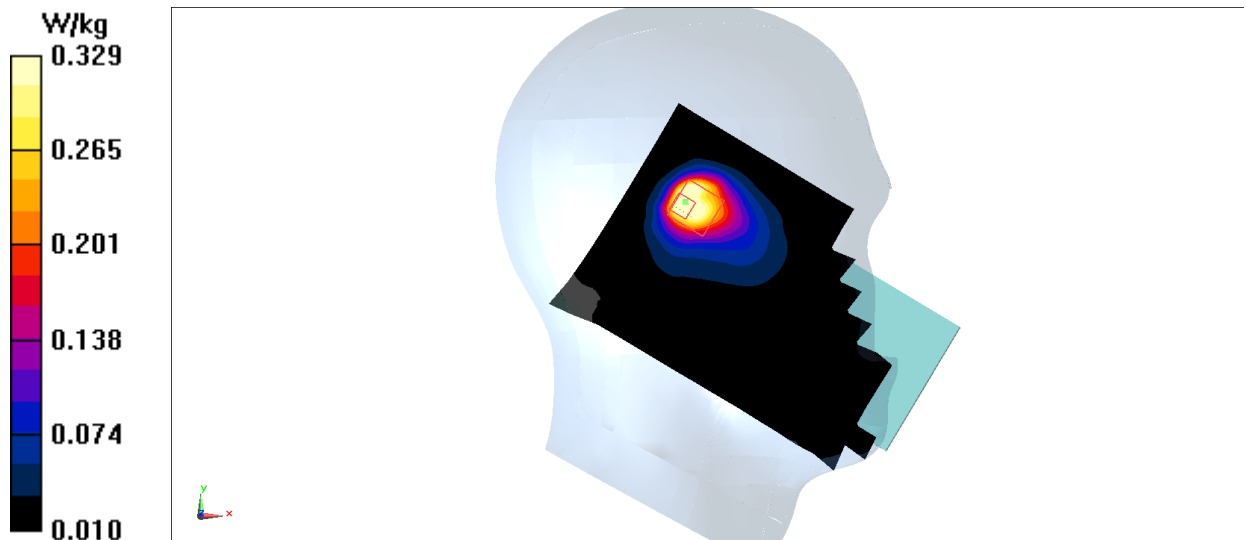
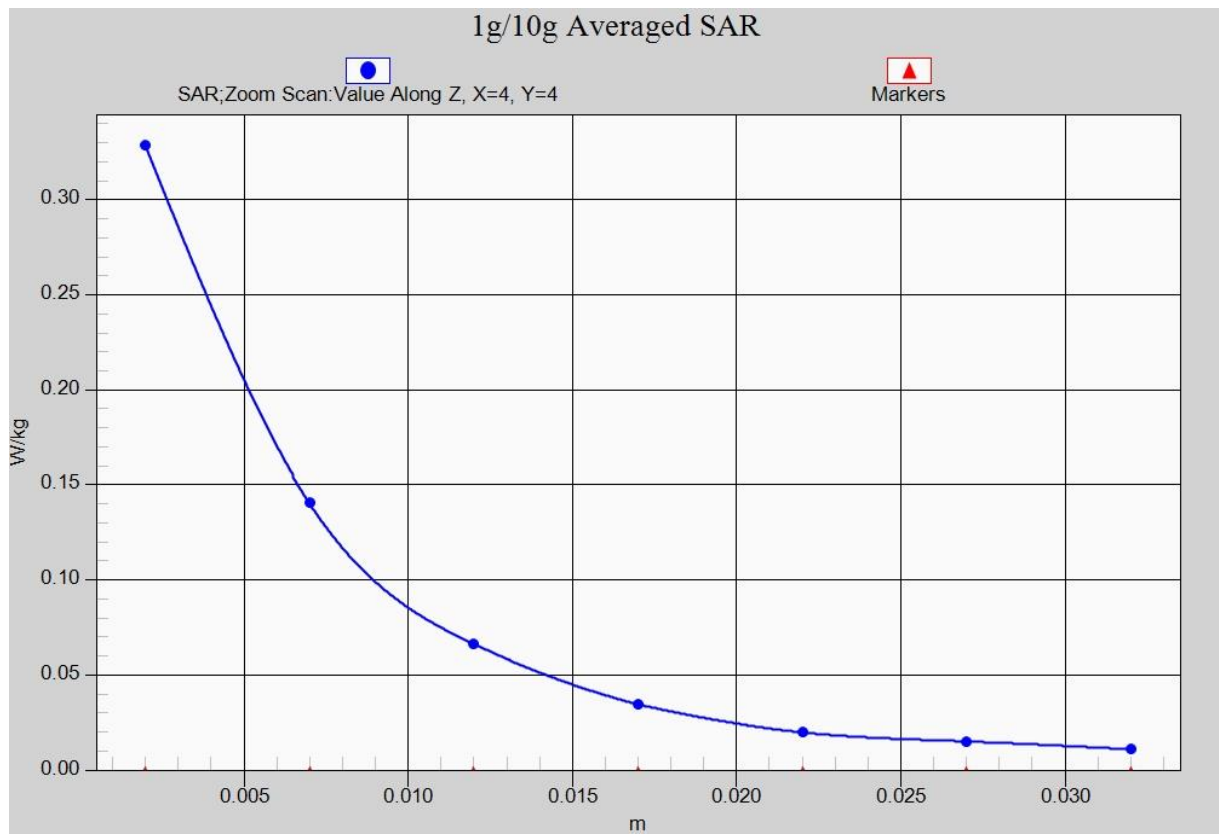


Fig.21 2450 MHz



**Fig. 21-1 Z-Scan at power reference point (2450 MHz)**

### Wifi 802.11b Body Rear Channel 11

Date: 2019-6-16

Electronics: DAE4 Sn1525

Medium: Body 2450 MHz

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.91$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: WLan 2450 Frequency: 2462 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7514 ConvF(7.13, 7.13, 7.13)

**Area Scan (161x91x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.121 W/kg

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.595 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.155 W/kg

SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.058 W/kg

Maximum value of SAR (measured) = 0.124 W/kg

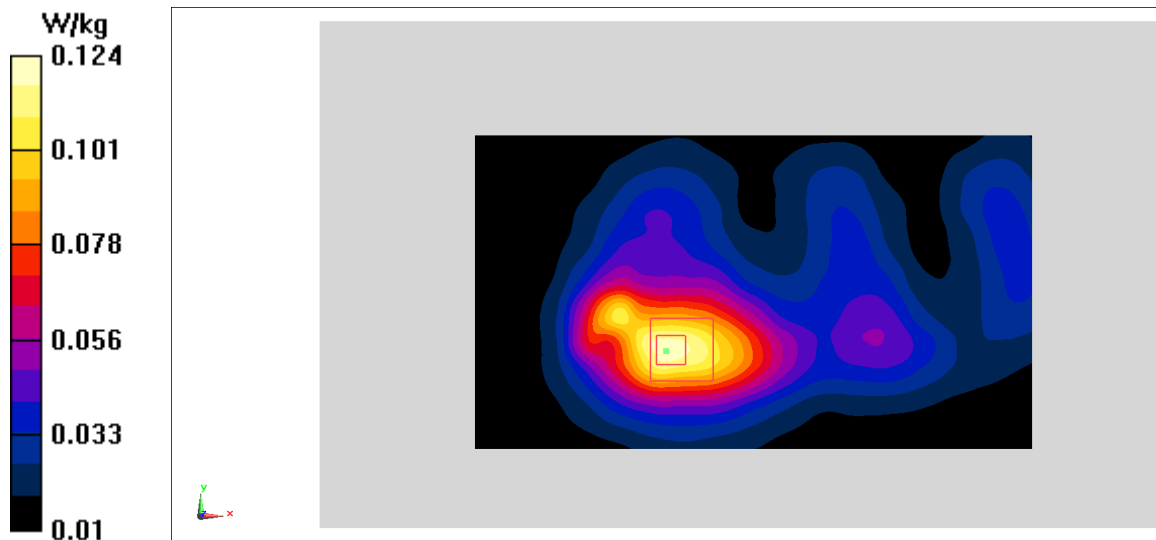
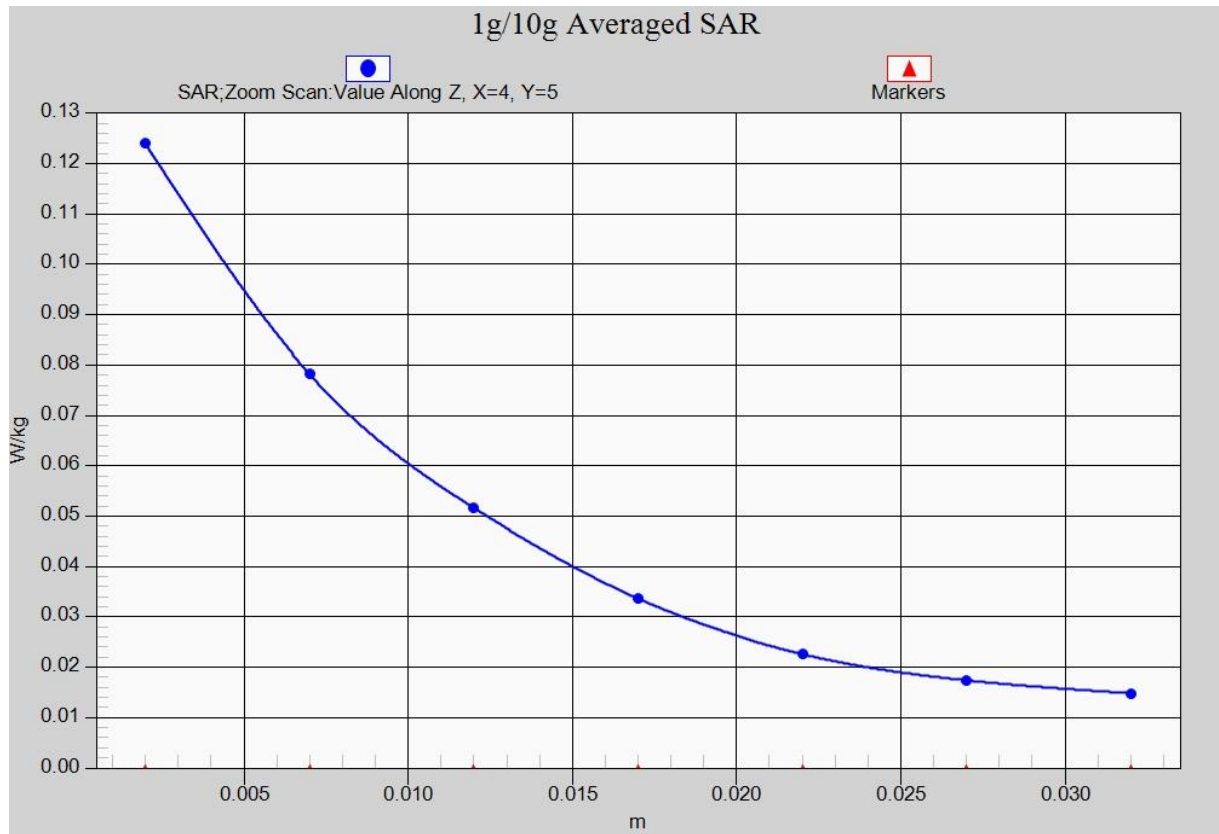


Fig.22 2450 MHz



**Fig. 22-1 Z-Scan at power reference point (2450 MHz)**

## ANNEX B System Verification Results

### 750MHz

Date: 2019-6-14

Electronics: DAE4 Sn1525

Medium: Head 750 MHz

Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.875 \text{ mho/m}$ ;  $\epsilon_r = 42.38$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.9^\circ\text{C}$  Liquid Temperature:  $22.5^\circ\text{C}$

Communication System: CW Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7514 ConvF(9.47, 9.47, 9.47)

**System Validation /Area Scan (81x191x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Reference Value =  $49.45 \text{ V/m}$ ; Power Drift =  $0.05 \text{ dB}$

**Fast SAR: SAR(1 g) =  $2.09 \text{ W/kg}$ ; SAR(10 g) =  $1.38 \text{ W/kg}$**

Maximum value of SAR (interpolated) =  $2.21 \text{ W/kg}$

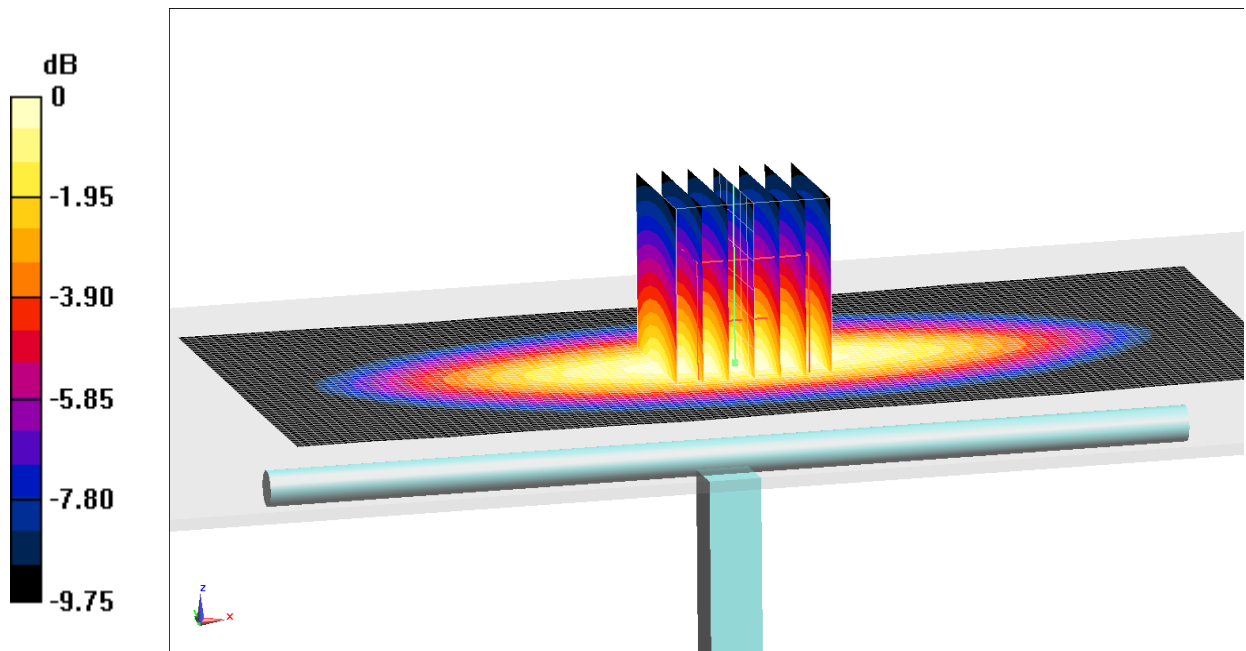
**System Validation /Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $49.45 \text{ V/m}$ ; Power Drift =  $0.05 \text{ dB}$

Peak SAR (extrapolated) =  $2.86 \text{ W/kg}$

**SAR(1 g) =  $2.07 \text{ W/kg}$ ; SAR(10 g) =  $1.36 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.19 \text{ W/kg}$



0 dB =  $2.19 \text{ W/kg}$  =  $3.40 \text{ dB W/kg}$

**Fig.B.1 validation 750MHz 250mW**

## 750MHz

Date: 2019-6-14

Electronics: DAE4 Sn1525

Medium: Body750 MHz

Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.976 \text{ mho/m}$ ;  $\epsilon_r = 56.56$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.9^\circ\text{C}$  Liquid Temperature:  $22.5^\circ\text{C}$

Communication System: CW Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7514 ConvF(9.68, 9.68, 9.68)

**System Validation/Area Scan (81x191x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Reference Value =  $51.669 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

**Fast SAR: SAR(1 g) =  $2.16 \text{ W/kg}$ ; SAR(10 g) =  $1.42 \text{ W/kg}$**

Maximum value of SAR (interpolated) =  $2.41 \text{ W/kg}$

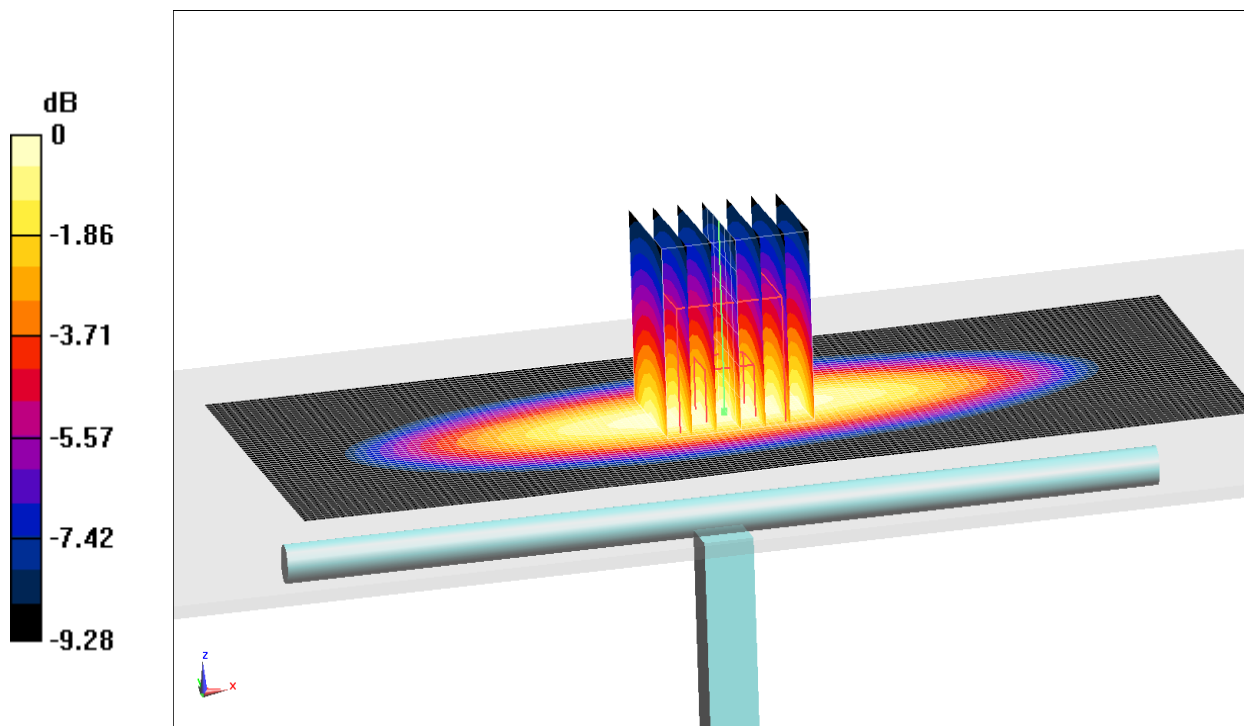
**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $51.669 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $3.06 \text{ W/kg}$

**SAR(1 g) =  $2.19 \text{ W/kg}$ ; SAR(10 g) =  $1.44 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.43 \text{ W/kg}$



0 dB =  $2.43 \text{ W/kg}$  =  $3.86 \text{ dB W/kg}$

**Fig.B.2 validation 750MHz 250mW**

## 835MHz

Date: 2019-6-12

Electronics: DAE4 Sn1525

Medium: Head 850 MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 42.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.9^\circ\text{C}$       Liquid Temperature:  $22.5^\circ\text{C}$

Communication System: CW Frequency: 835 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7514 ConvF(9.09, 9.09, 9.09)

**System Validation/Area Scan (61x121x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Reference Value =  $53.95 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

**Fast SAR: SAR(1 g) =  $2.32 \text{ W/kg}$ ; SAR(10 g) =  $1.49 \text{ W/kg}$**

Maximum value of SAR (interpolated) =  $2.52 \text{ W/kg}$

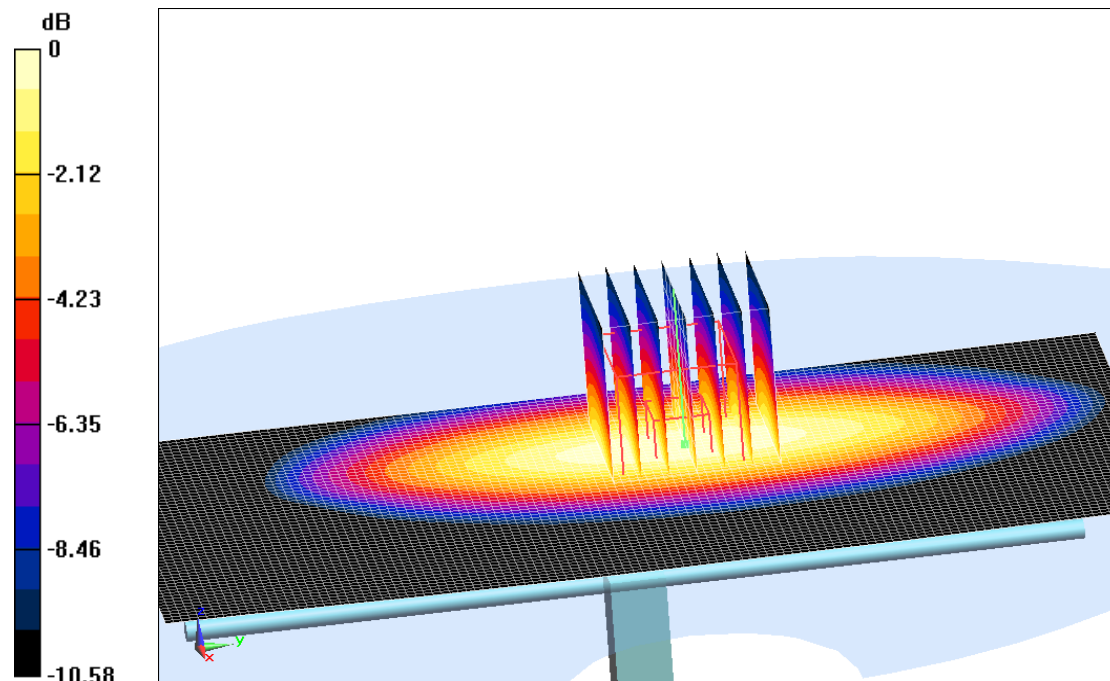
**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $53.95 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

Peak SAR (extrapolated) =  $3.04 \text{ W/kg}$

**SAR(1 g) =  $2.29 \text{ W/kg}$ ; SAR(10 g) =  $1.47 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.49 \text{ W/kg}$



0 dB =  $2.49 \text{ W/kg}$  =  $3.96 \text{ dBW/kg}$

**Fig.B.3 validation 835MHz 250mW**

## 835MHz

Date: 2019-6-12

Electronics: DAE4 Sn1525

Medium: Body 850 MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.985 \text{ S/m}$ ;  $\epsilon_r = 55.27$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.9^\circ\text{C}$       Liquid Temperature:  $22.5^\circ\text{C}$

Communication System: CW Frequency: 835 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7514 ConvF(9.47, 9.47, 9.47)

**System Validation /Area Scan (61x121x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Reference Value =  $52.89 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$

**Fast SAR: SAR(1 g) =  $2.4 \text{ W/kg}$ ; SAR(10 g) =  $1.59 \text{ W/kg}$**

Maximum value of SAR (interpolated) =  $2.73 \text{ W/kg}$

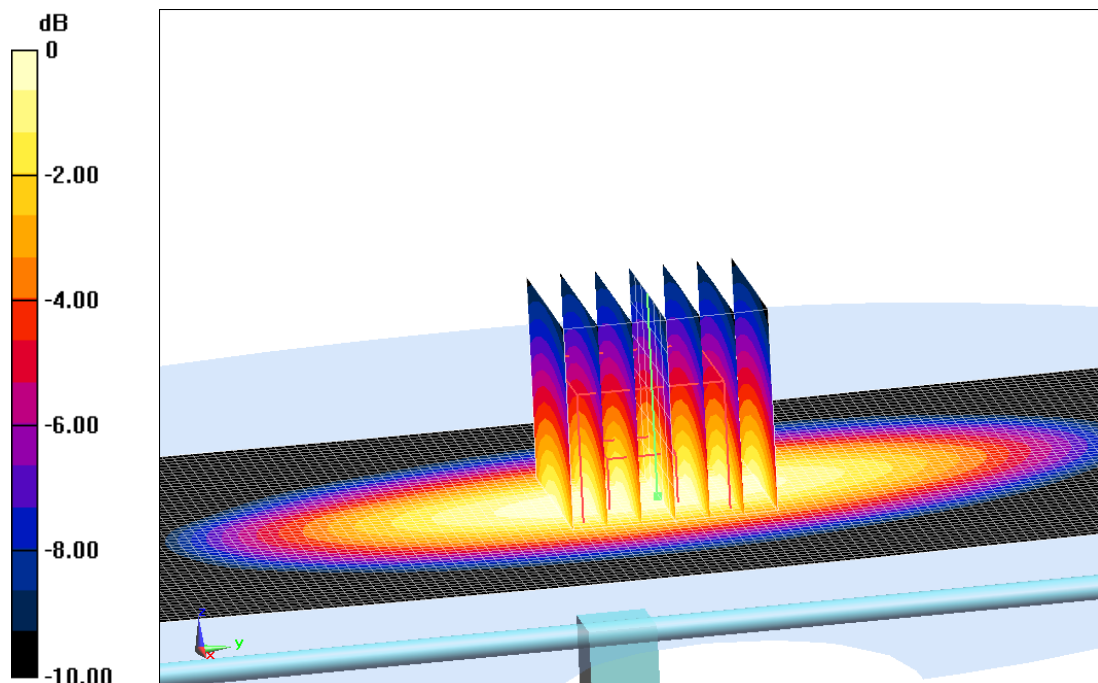
**System Validation /Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $52.89 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$

Peak SAR (extrapolated) =  $3.17 \text{ W/kg}$

**SAR(1 g) =  $2.43 \text{ W/kg}$ ; SAR(10 g) =  $1.61 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.76 \text{ W/kg}$



0 dB =  $2.76 \text{ W/kg}$  =  $4.41 \text{ dBW/kg}$

**Fig.B.4 validation 835MHz 250mW**



## 1750MHz

Date: 2019-6-15

Electronics: DAE4 Sn1525

Medium: Head 1750 MHz

Medium parameters used:  $f=1750$  MHz;  $\sigma = 1.386$  mho/m;  $\epsilon_r = 40.49$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C      Liquid Temperature: 22.5°C

Communication System: CW Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7514 ConvF(8.10, 8.10, 8.10)

**System Validation/Area Scan (81x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Reference Value = 89.61 V/m; Power Drift = 0.06 dB

**Fast SAR: SAR(1 g) = 9.08 W/kg; SAR(10 g) = 4.80 W/kg**

Maximum value of SAR (interpolated) = 10.0 W/kg

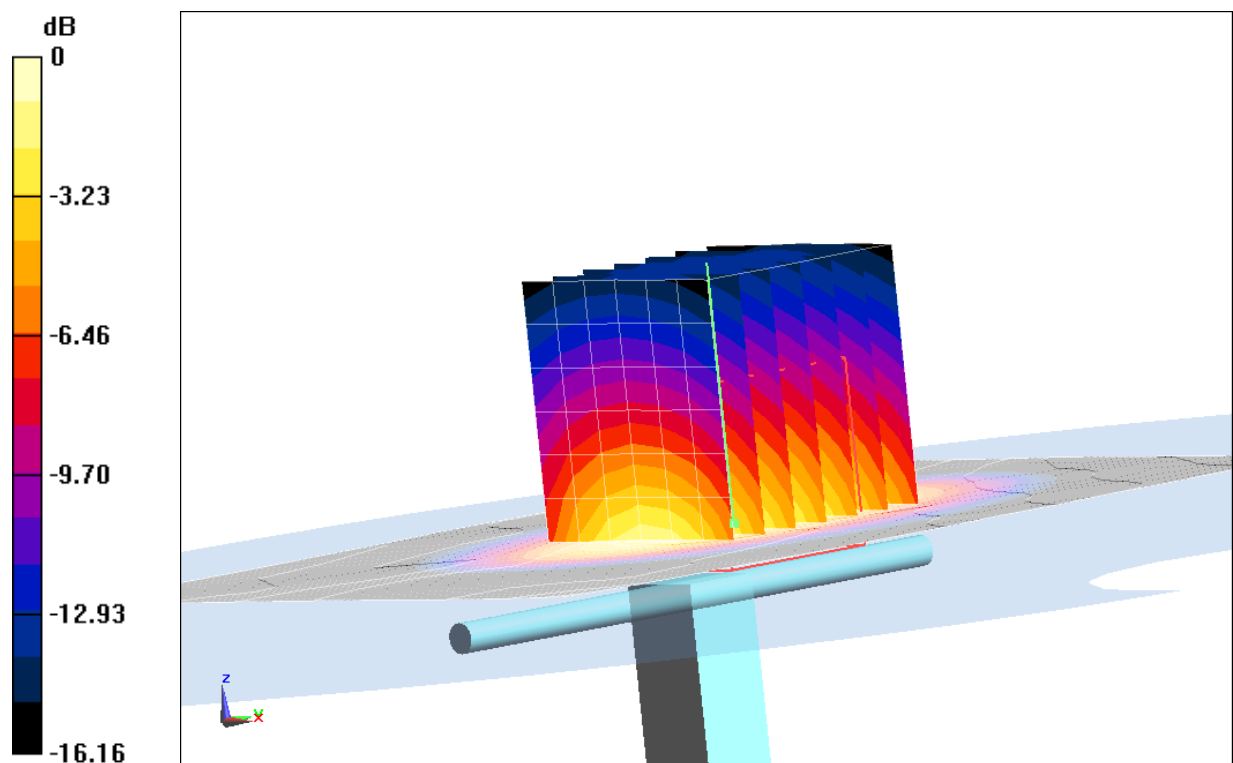
**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 89.61 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 15.59 W/kg

**SAR(1 g) = 9.18 W/kg; SAR(10 g) = 4.86 W/kg**

Maximum value of SAR (measured) = 10.1 W/kg



0 dB = 10.1 W/kg = 10.04 dB W/kg

**Fig.B.5 validation 1750MHz 250mW**

## 1750MHz

Date: 2019-6-15

Electronics: DAE4 Sn1525

Medium: Body 1750 MHz

Medium parameters used:  $f=1750$  MHz;  $\sigma = 1.456$  mho/m;  $\epsilon_r = 54.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature: 22.9°C Liquid Temperature: 22.5°C

Communication System: CW Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7514 ConvF(7.82, 7.82, 7.82)

**System Validation/Area Scan (81x121x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Reference Value = 95.17 V/m; Power Drift = -0.03 dB

**Fast SAR: SAR(1 g) = 9.51 W/kg; SAR(10 g) = 5.07 W/kg**

Maximum value of SAR (interpolated) = 10.4 W/kg

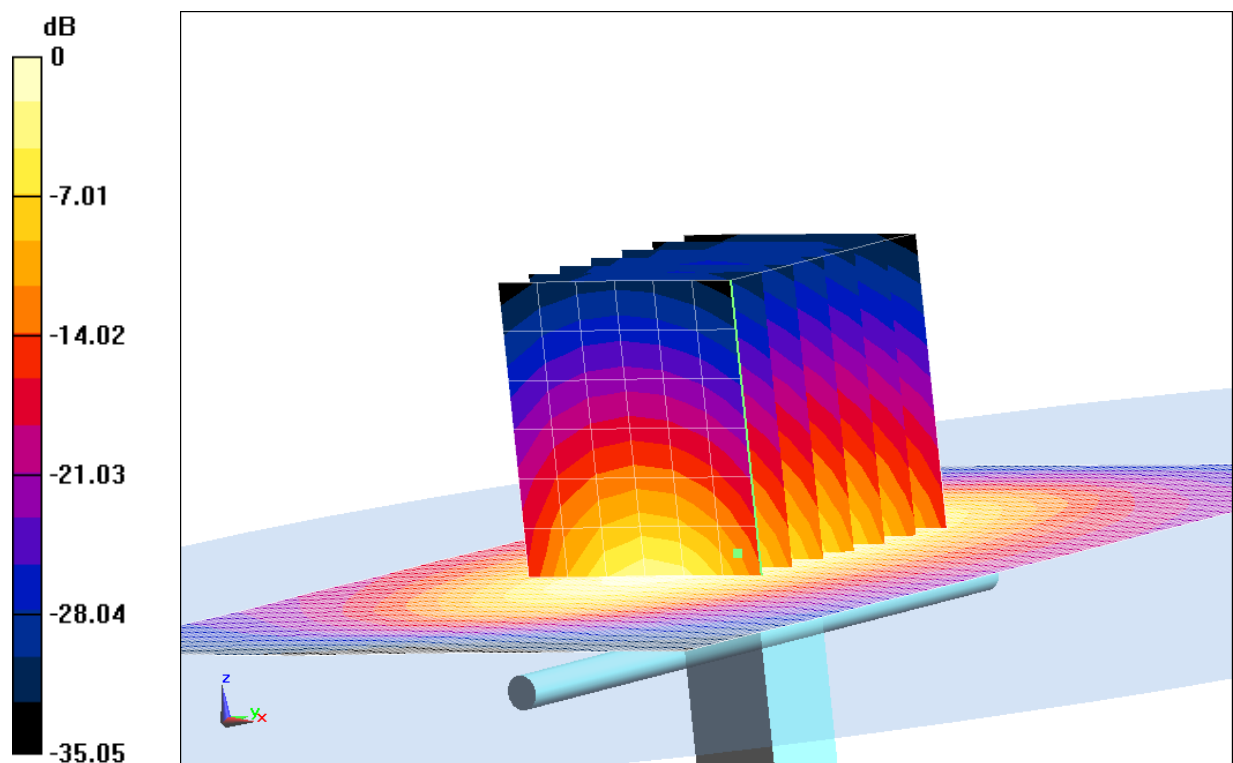
**System Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 95.17 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 15.54 W/kg

**SAR(1 g) = 9.42 W/kg; SAR(10 g) = 4.98 W/kg**

Maximum value of SAR (measured) = 10.3 W/kg



0 dB = 10.3 W/kg = 10.13 dB W/kg

**Fig.B.6 validation 1750MHz 250mW**

## 1900MHz

Date: 2019-6-13

Electronics: DAE4 Sn1525

Medium: Head 1900 MHz

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.395 \text{ mho/m}$ ;  $\epsilon_r = 40.25$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature:  $22.9^\circ\text{C}$       Liquid Temperature:  $22.5^\circ\text{C}$

Communication System: CW Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7514 ConvF (7.73, 7.73, 7.73)

**System Validation /Area Scan(61x81x1):**Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Reference Value =  $92.3 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

**SAR(1 g) =  $10.3 \text{ W/kg}$ ; SAR(10 g) =  $5.51 \text{ W/kg}$**

Maximum value of SAR (interpolated) =  $12.5 \text{ W/kg}$

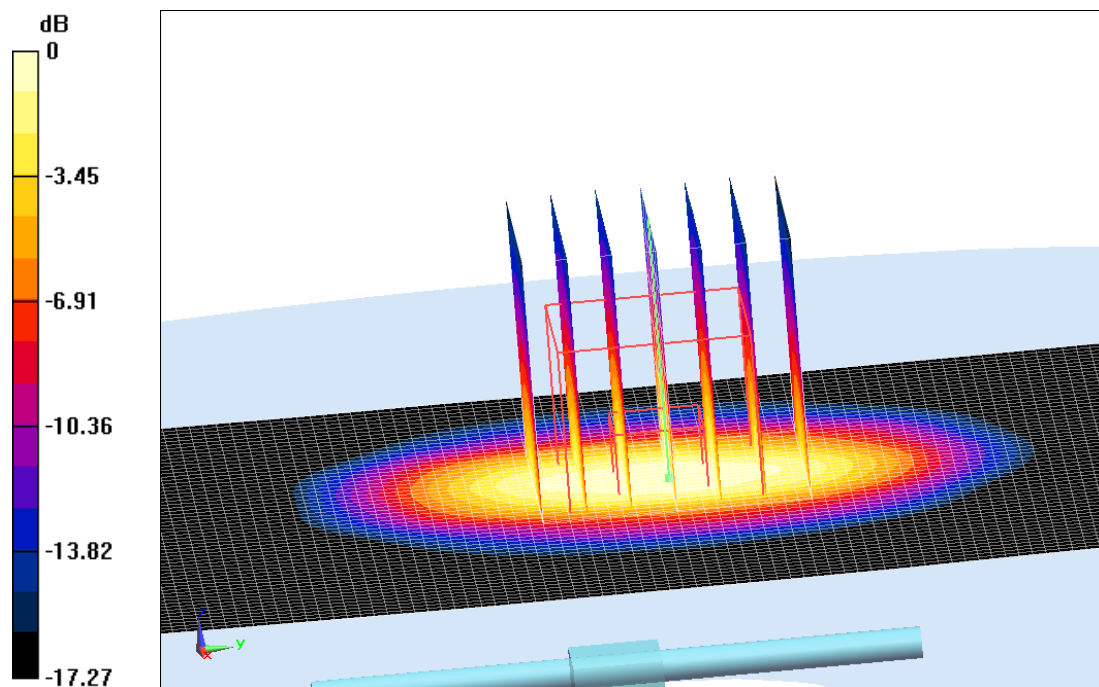
**System Validation /Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $92.3 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $18.05 \text{ W/kg}$

**SAR(1 g) =  $10.2 \text{ W/kg}$ ; SAR(10 g) =  $5.42 \text{ W/kg}$**

Maximum value of SAR (measured) =  $12.4 \text{ W/kg}$



$0 \text{ dB} = 12.4 \text{ W/kg} = 10.93 \text{ dBW/kg}$

**Fig.B.7 validation 1900MHz 250mW**