# System Check Head 750MHz

#### **DUT: D750V3-1012**

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

Medium: HSL 750 190722 Medium parameters used: f = 750 MHz;  $\sigma = 0.889$  S/m;  $\varepsilon_r = 40.306$ ;  $\rho = 1000$ 

Date: 2019/7/22

 $kg/m^3$ 

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

### **DASY5** Configuration

- Probe: EX3DV4 SN3642;ConvF(9.16, 9.16, 9.16) @ 750 MHz;Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1041
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 2.99 W/kg

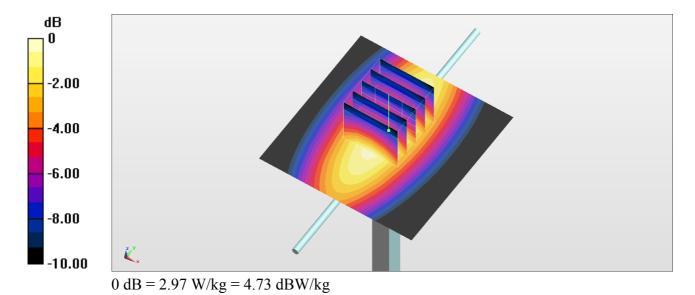
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.98 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.33 W/kg

SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.52 W/kg

Maximum value of SAR (measured) = 2.97 W/kg



# System Check Head 835MHz

#### **DUT: D835V2-499**

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

Medium: HSL 850 190720 Medium parameters used: f = 835 MHz; σ = 0.892 S/m;  $ε_r = 41.644$ ; ρ = 1000

Date: 2019/7/20

 $kg/m^3$ 

Ambient Temperature: 23.3 °C; Liquid Temperature: 22.3 °C

### **DASY5** Configuration

- Probe: EX3DV4 SN3642;ConvF(9.05, 9.05, 9.05) @ 835 MHz;Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1041
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 3.25 W/kg

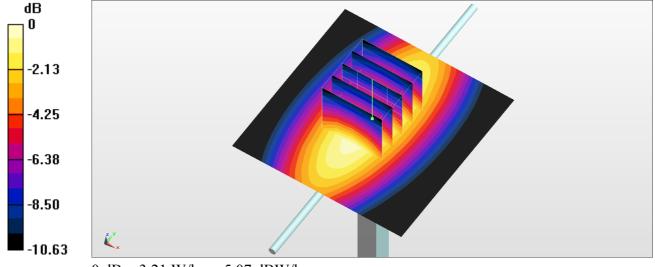
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.60 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.63 W/kg

SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 3.21 W/kg



0 dB = 3.21 W/kg = 5.07 dBW/kg

# System Check Head 1750MHz

### **DUT: D1750V2-1068**

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

Medium: HSL 1750 190716 Medium parameters used: f = 1750 MHz;  $\sigma = 1.388 \text{ S/m}$ ;  $\varepsilon_r = 40.845$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Date: 2019/7/16

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °C

## DASY5 Configuration:

- Probe: ES3DV3 SN3169; ConvF(5.34, 5.34, 5.34) @ 1750 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 12.0 W/kg

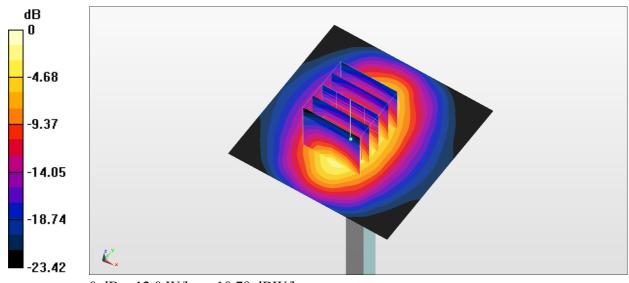
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.14 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 9.43 W/kg; SAR(10 g) = 5.13 W/kg

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 12.0 W/kg = 10.79 dBW/kg

# System Check Head 1750MHz

#### **DUT: D1750V2-1068**

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

Medium: HSL 1750 190718 Medium parameters used: f = 1750 MHz;  $\sigma = 1.369$  S/m;  $\varepsilon_r = 40.6$ ;  $\rho = 1000$ 

Date: 2019/7/18

 $kg/m^3$ 

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

### **DASY5** Configuration

- Probe: EX3DV4 SN3642; ConvF(8.18, 8.18, 8.18) @ 1750 MHz; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1041
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 13.9 W/kg

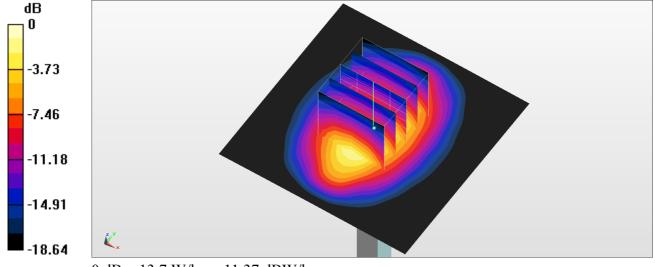
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 106.8 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 8.88 W/kg; SAR(10 g) = 4.57 W/kg

Maximum value of SAR (measured) = 13.7 W/kg



0 dB = 13.7 W/kg = 11.37 dBW/kg

# System Check Head 1900MHz

### DUT: D1900V2-5d041

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

Medium: HSL 1900 190715 Medium parameters used: f = 1900 MHz;  $\sigma = 1.437$  S/m;  $\varepsilon_r = 39.074$ ;  $\rho =$ 

Date: 2019/7/15

 $1000 \text{ kg/m}^3$ 

Ambient Temperature: 23.5 °C; Liquid Temperature: 22.5 °C

## DASY5 Configuration:

- Probe: ES3DV3 SN3169; ConvF(5.14, 5.14, 5.14) @ 1900 MHz; Calibrated: 2019/5/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 13.0 W/kg

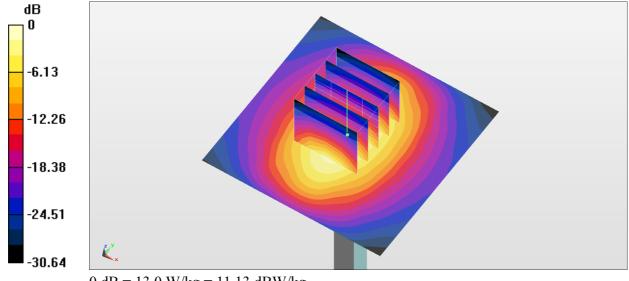
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 97.62 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.28 W/kg

Maximum value of SAR (measured) = 12.8 W/kg



0 dB = 13.0 W/kg = 11.13 dBW/kg

# System Check Head 1900MHz

#### **DUT: D1900V2-5d041**

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

Medium: HSL 1900 190718 Medium parameters used: f = 1900 MHz; σ = 1.415 S/m;  $ε_r = 39.184$ ; ρ = 1000

Date: 2019/7/18

 $kg/m^3$ 

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

### **DASY5** Configuration

- Probe: EX3DV4 SN3642; ConvF(7.91, 7.91, 7.91) @ 1900 MHz; Calibrated: 2019/4/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2018/11/16
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1041
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 15.2 W/kg

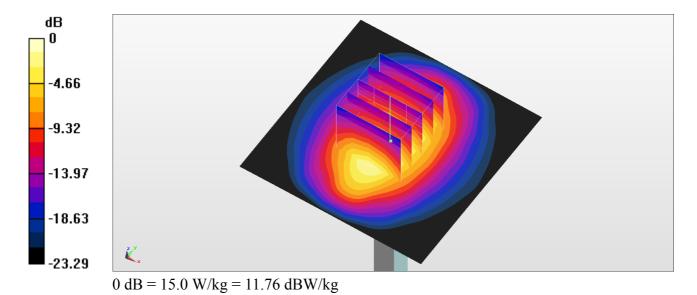
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 108.6 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.59 W/kg; SAR(10 g) = 4.92 W/kg

Maximum value of SAR (measured) = 15.0 W/kg



# System Check Head 2300MHz

### **DUT: D2300V2-1006**

Communication System: CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: HSL 2300 190707 Medium parameters used: f = 2300 MHz;  $\sigma = 1.69 \text{ S/m}$ ;  $\varepsilon_r = 40.509$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Date: 2019/7/7

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

## DASY5 Configuration:

- Probe: EX3DV4 SN3931; ConvF(7.83, 7.83, 7.83) @ 2300 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Pin=250mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 21.1 W/kg

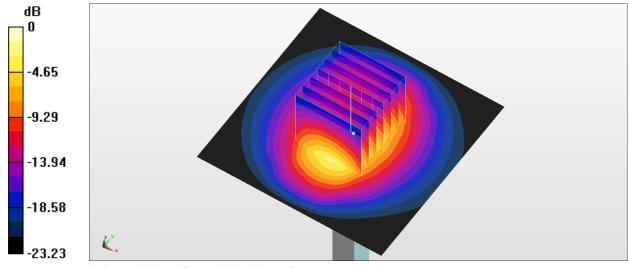
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 115.2 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 25.6 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.26 W/kg

Maximum value of SAR (measured) = 21.1 W/kg



0 dB = 21.1 W/kg = 13.24 dBW/kg

# System Check Head 2600MHz

### **DUT: D2600V2-1078**

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL 2600 190714 Medium parameters used: f = 2600 MHz;  $\sigma = 2.022 \text{ S/m}$ ;  $\varepsilon_r = 39.291$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

## DASY5 Configuration:

- Probe: EX3DV4 SN3931; ConvF(7.3, 7.3, 7.3) @ 2600 MHz; Calibrated: 2018/9/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 23.2 W/kg

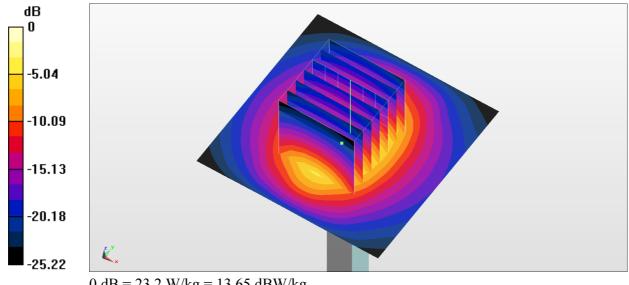
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 109.4 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 30.4 W/kg

SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.28 W/kg

Maximum value of SAR (measured) = 22.0 W/kg



0 dB = 23.2 W/kg = 13.65 dBW/kg

# System Check Head 2450MHz

#### **DUT: D2450V2-736**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL 2450 190729 Medium parameters used : f = 2450 MHz;  $\sigma = 1.773$  S/m;  $\varepsilon_r = 38.581$ ;  $\rho =$ 

Date: 2019/7/29

 $1000 \text{ kg/m}^3$ 

Ambient Temperature: 23.6 °C; Liquid Temperature: 22.6 °C

### DASY5 Configuration:

- Probe: EX3DV4 SN3898; ConvF(7.56, 7.56, 7.56) @ 2450 MHz; Calibrated: 2019/6/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Pin=250mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 24.9 W/kg

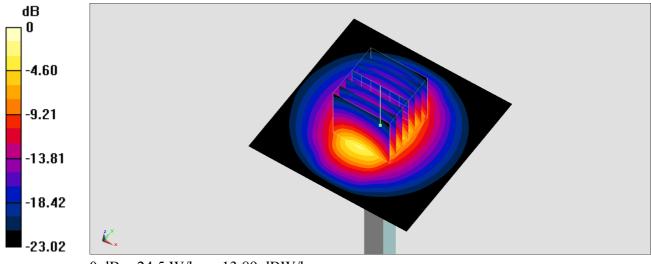
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 121.5 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 30.8 W/kg

SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.52 W/kg

Maximum value of SAR (measured) = 24.5 W/kg



0 dB = 24.5 W/kg = 13.89 dBW/kg

# System Check Head 5250MHz

#### **DUT: D5GHzV2-1006**

Communication System: CW; Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL 5G 190730 Medium parameters used : f = 5250 MHz;  $\sigma = 4.725$  S/m;  $\varepsilon_r = 36.637$ ;  $\rho = 1000$ 

Date: 2019/7/30

 $kg/m^3$ 

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

### DASY5 Configuration:

- Probe: EX3DV4 SN3898;ConvF(5.33, 5.33, 5.33) @ 5250 MHz;Calibrated: 2019/6/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: ELI v4.0\_Left; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 21.7 W/kg

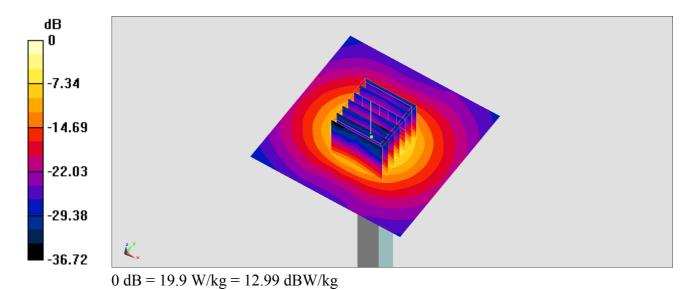
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 78.15 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 31.1 W/kg

SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 19.9 W/kg



# System Check Head 5600MHz

#### **DUT: D5GHzV2-1006**

Communication System: CW; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL 5G 190730 Medium parameters used: f = 5600 MHz;  $\sigma = 5.088$  S/m;  $\varepsilon_r = 36.161$ ;  $\rho = 1000$ 

Date: 2019/7/30

 $kg/m^3$ 

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

## DASY5 Configuration:

- Probe: EX3DV4 SN3898;ConvF(4.85, 4.85, 4.85) @ 5600 MHz;Calibrated: 2019/6/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: ELI v4.0\_Left; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 20.2 W/kg

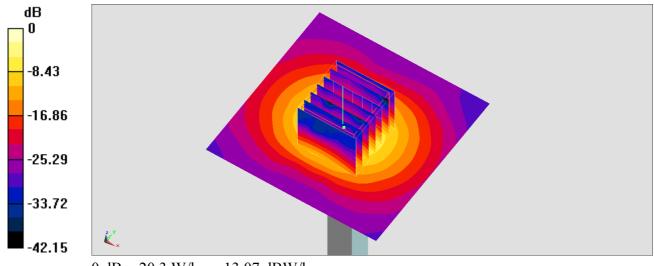
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 69.69 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 34.7 W/kg

SAR(1 g) = 8.17 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 20.3 W/kg



0 dB = 20.3 W/kg = 13.07 dBW/kg

# System Check Head 5750MHz

#### **DUT: D5GHzV2-1006**

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

Medium: HSL 5G 190730 Medium parameters used: f = 5750 MHz;  $\sigma = 5.25$  S/m;  $\varepsilon_r = 35.944$ ;  $\rho = 1000$ 

Date: 2019/7/30

 $kg/m^3$ 

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.6 °C

## DASY5 Configuration:

- Probe: EX3DV4 SN3898; ConvF(4.95, 4.95, 4.95) @ 5750 MHz; Calibrated: 2019/6/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: ELI v4.0\_Left; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm Maximum value of SAR (interpolated) = 18.1 W/kg

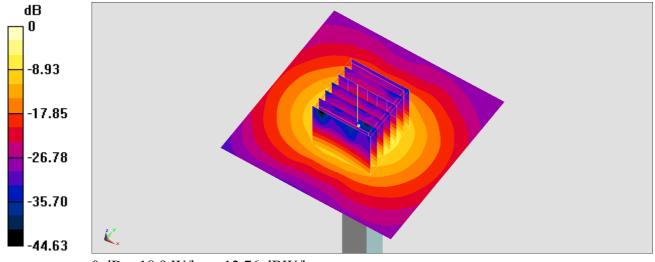
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 67.55 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 7.64 W/kg; SAR(10 g) = 2.12 W/kg

Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 18.9 W/kg = 12.76 dBW/kg