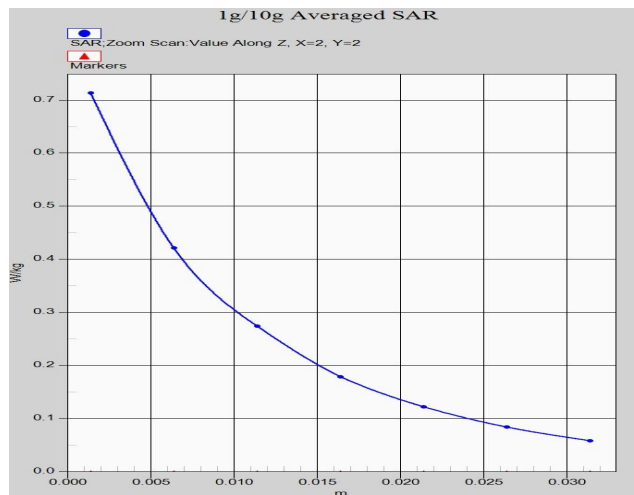
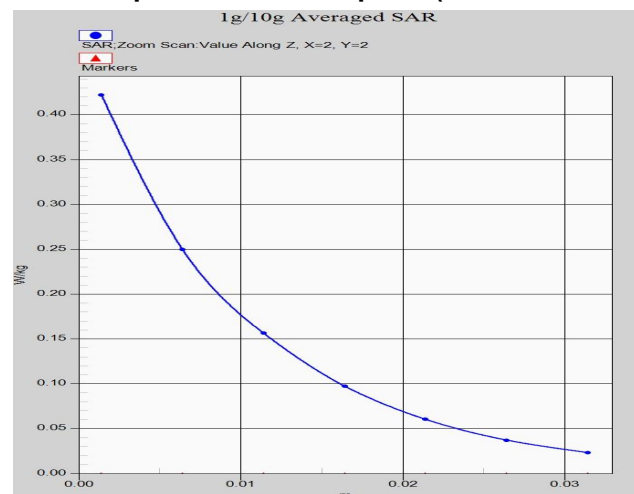


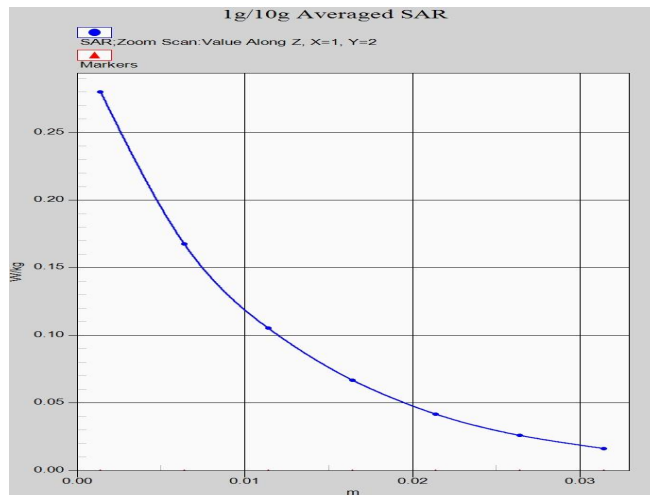
Z-Scan at power reference point (GSM850 ANT41)



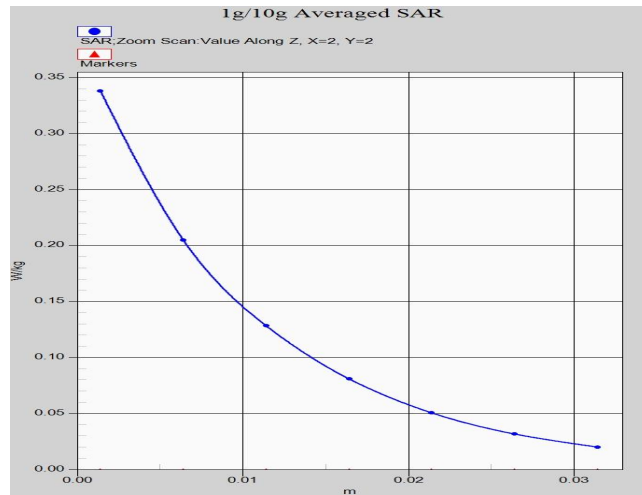
Z-Scan at power reference point (GSM850 ANT41)



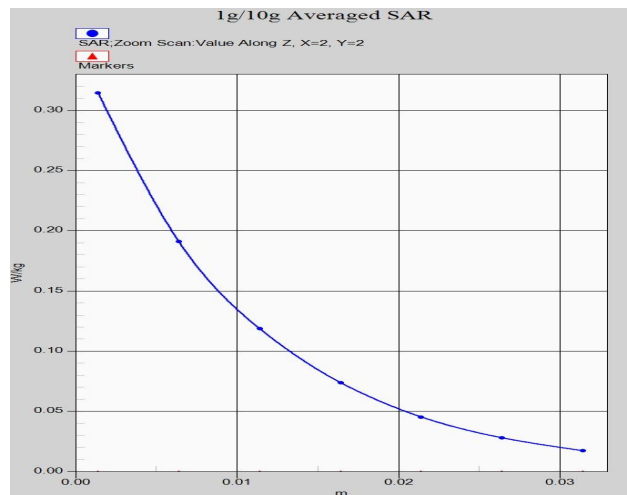
Z-Scan at power reference point (GSM1900 ANT31)



Z-Scan at power reference point (GSM1900 ANT31)



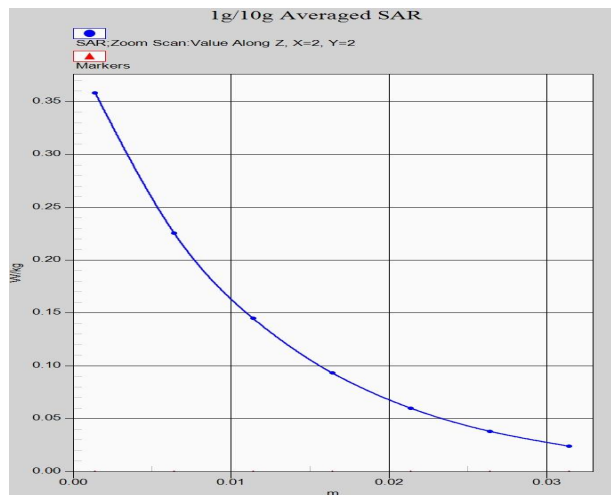
Z-Scan at power reference point (WCDMA1900 ANT31)



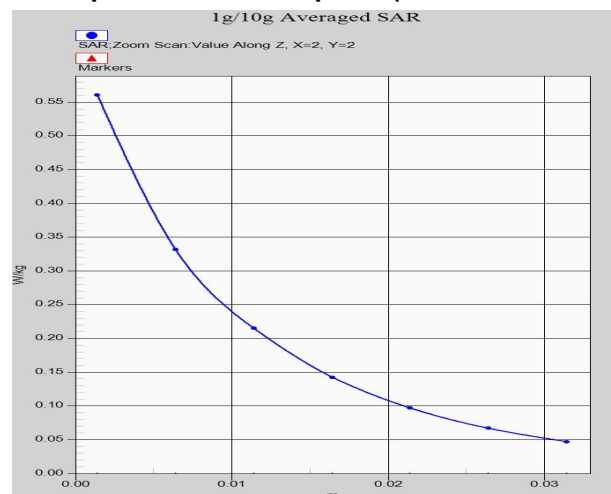
Z-Scan at power reference point (WCDMA1900 ANT31)



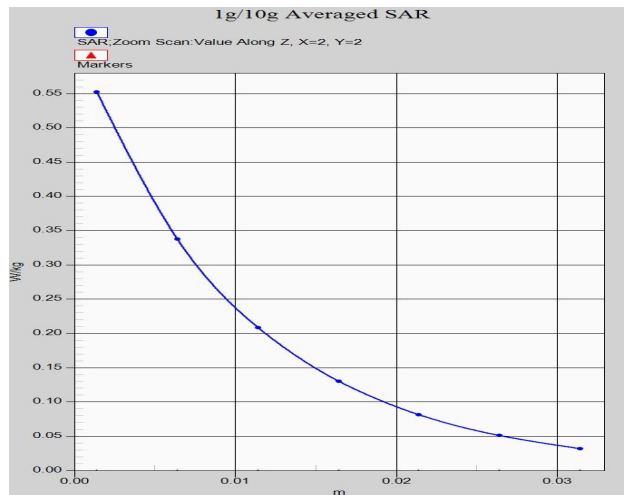
Z-Scan at power reference point (WCDMA1700 ANT31)



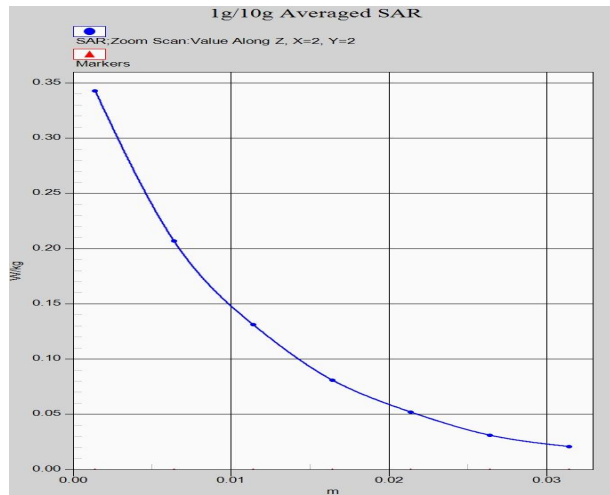
Z-Scan at power reference point (WCDMA1700 ANT31)



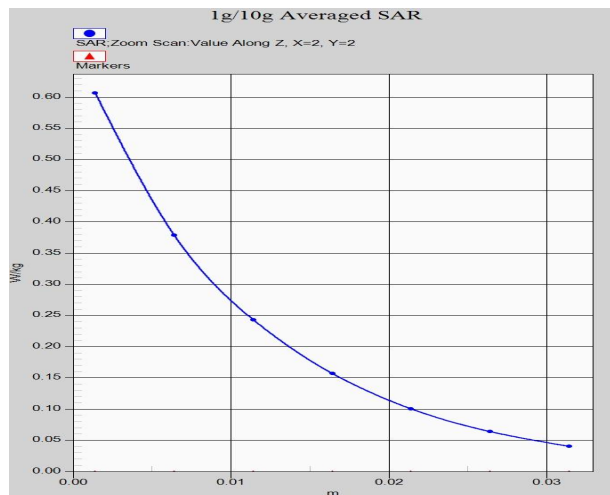
Z-Scan at power reference point (WCDMA850 ANT41)



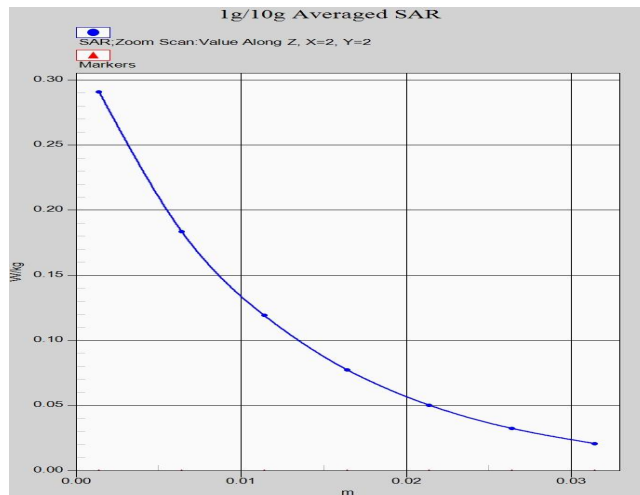
Z-Scan at power reference point (LTE Band2 ANT31)



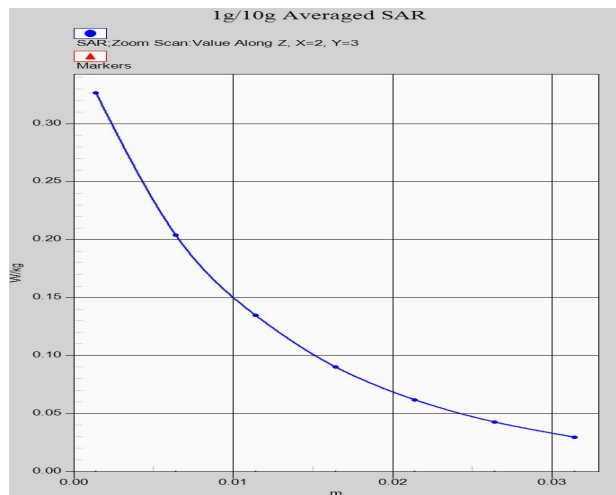
Z-Scan at power reference point (LTE Band2 ANT31)



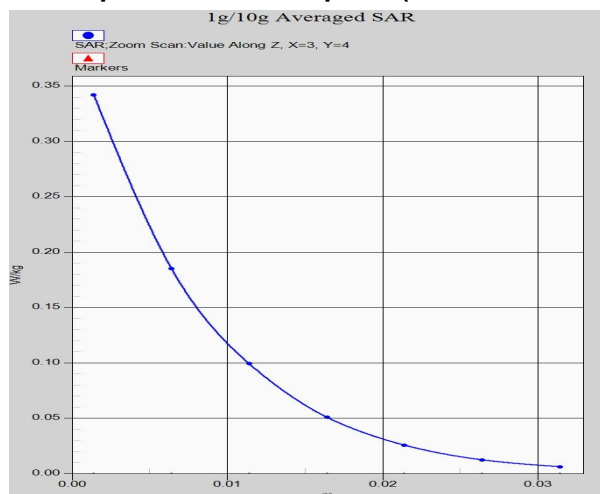
Z-Scan at power reference point (LTE Band4 ANT31)



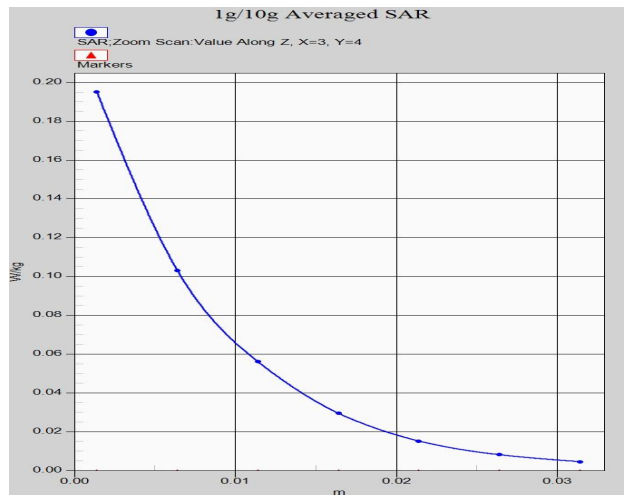
Z-Scan at power reference point (LTE Band4 ANT31)



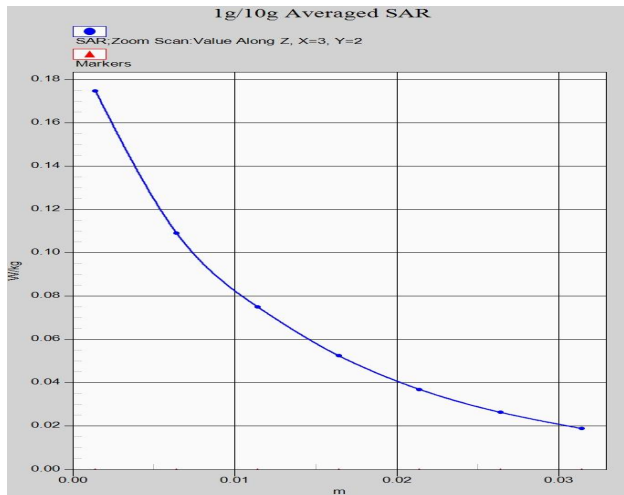
Z-Scan at power reference point (LTE Band5 ANT41)



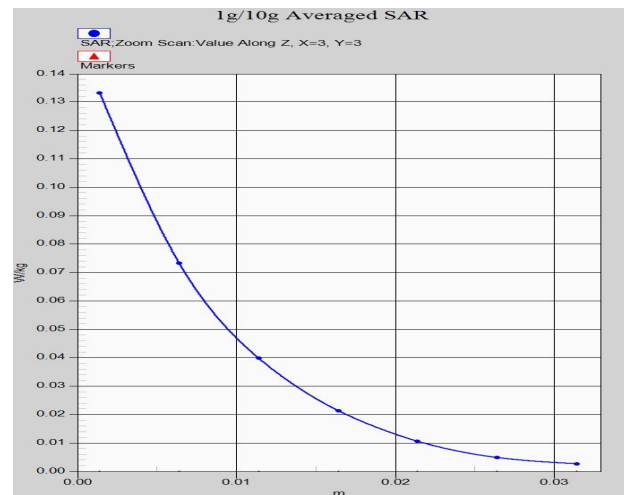
Z-Scan at power reference point (LTE Band7 ANT31)



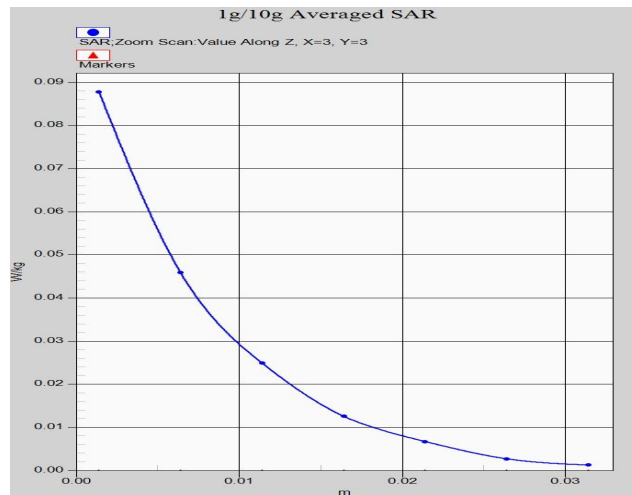
Z-Scan at power reference point (LTE Band7 ANT31)



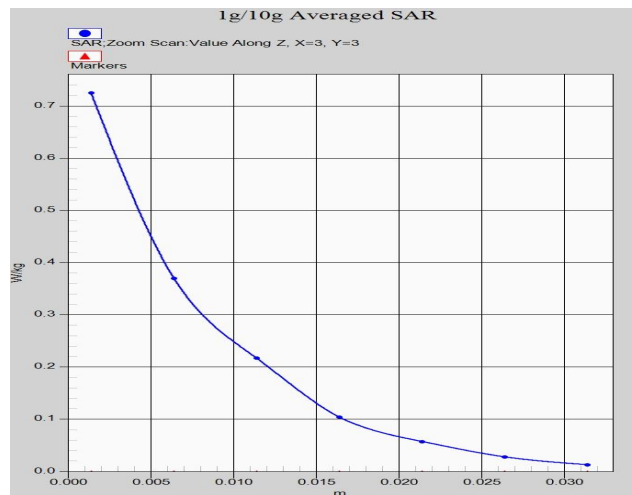
Z-Scan at power reference point (LTE Band12 ANT41)



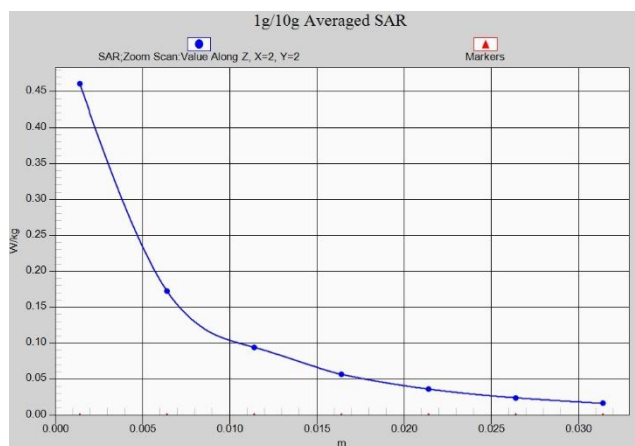
Z-Scan at power reference point (LTE Band38 ANT31)



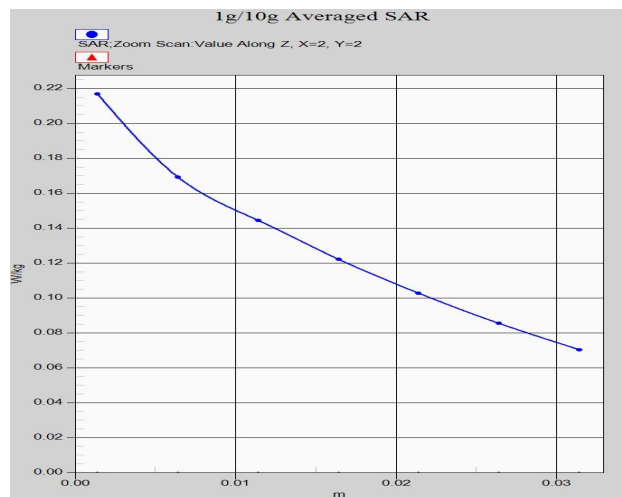
Z-Scan at power reference point (LTE Band38 ANT31)



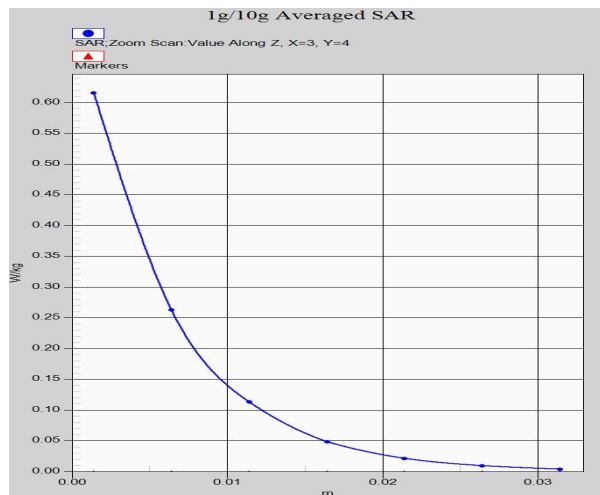
Z-Scan at power reference point (LTE Band41 ANT31)



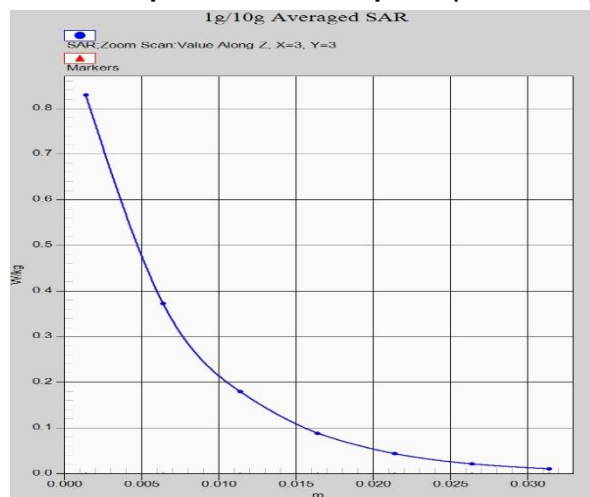
Z-Scan at power reference point (N5 ANT13)



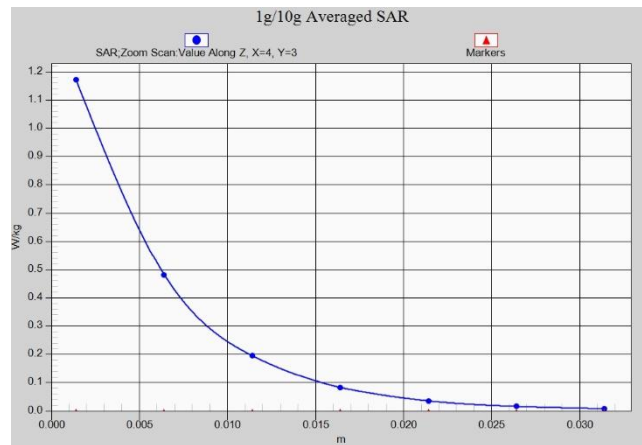
Z-Scan at power reference point (N5 ANT41)



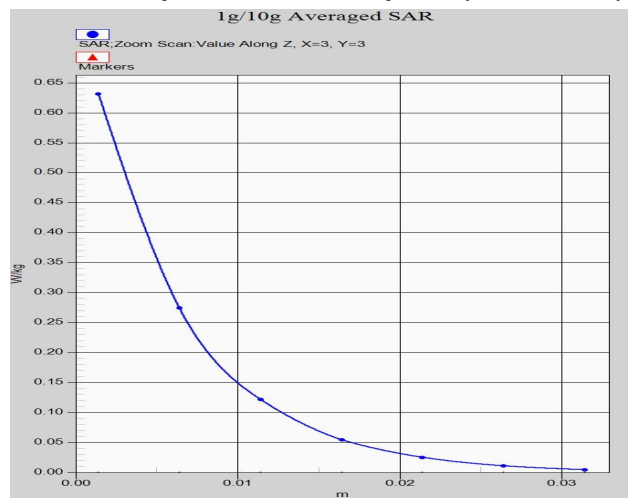
Z-Scan at power reference point (N7 ANT11)



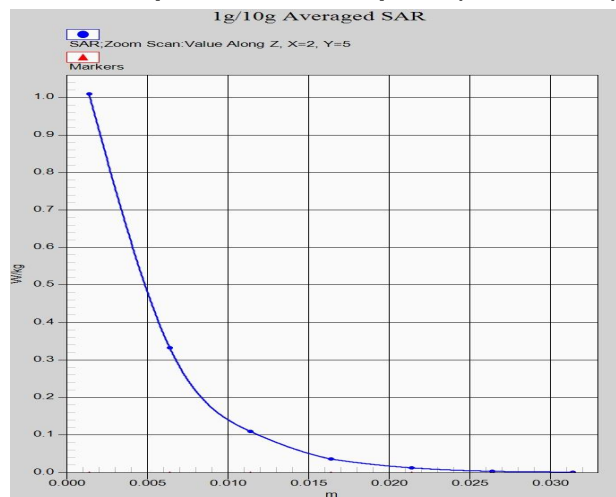
Z-Scan at power reference point (N7 ANT13)



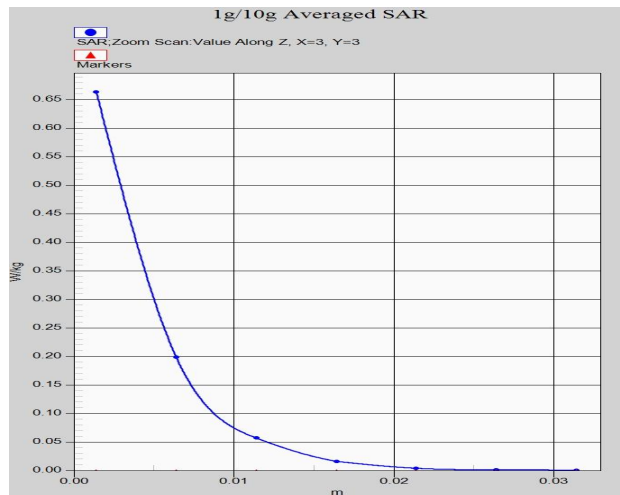
Z-Scan at power reference point (N41 ANT11)



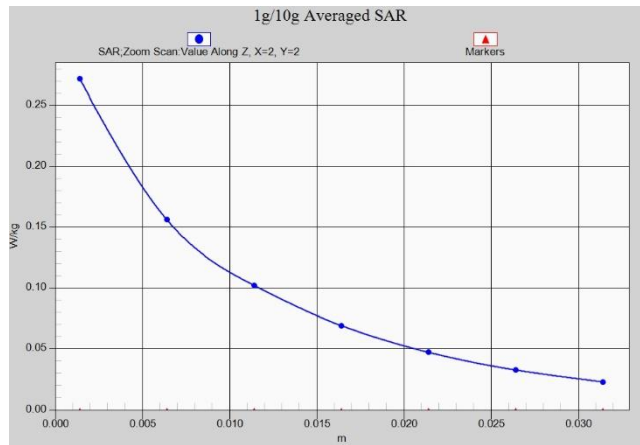
Z-Scan at power reference point (N41 ANT13)



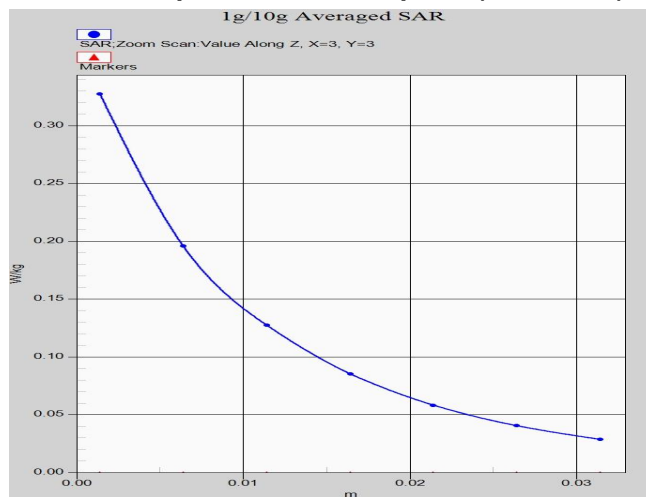
Z-Scan at power reference point (N78 ANT11)



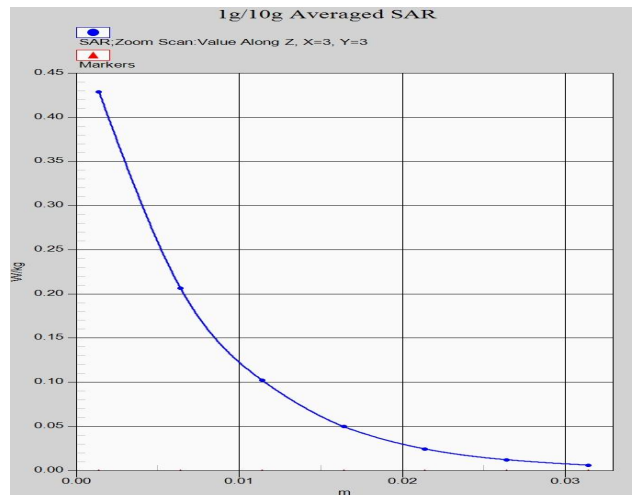
Z-Scan at power reference point (N78 ANT12)



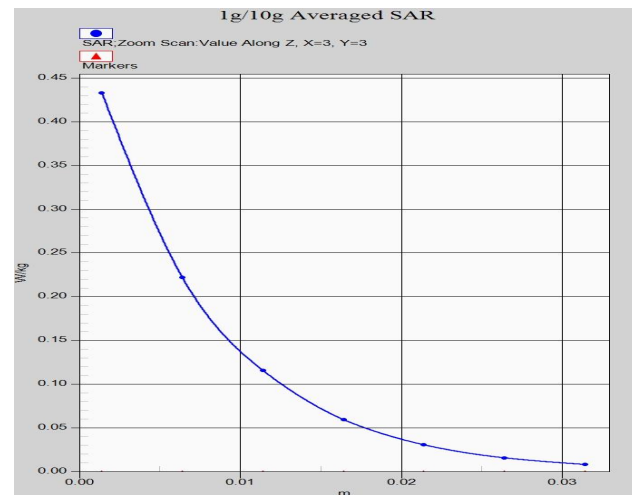
Z-Scan at power reference point (N5 ANT13)



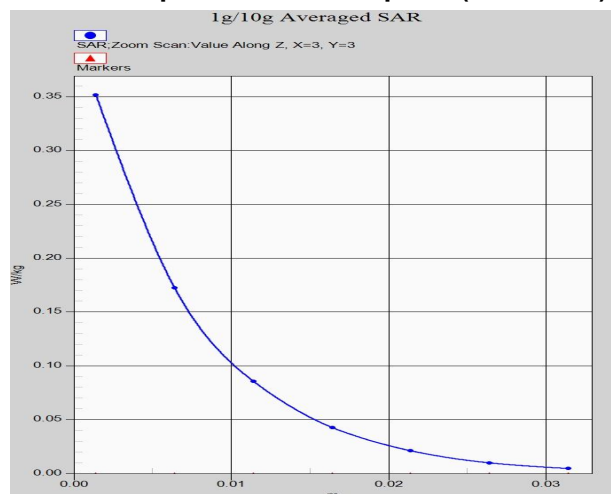
Z-Scan at power reference point (N5 ANT41)



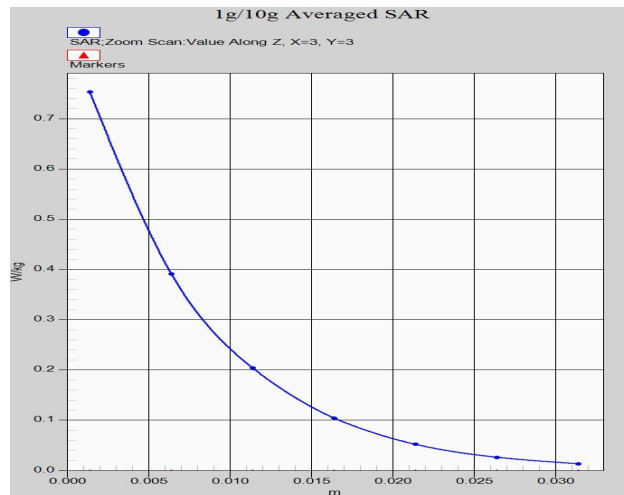
Z-Scan at power reference point (N7 ANT11)



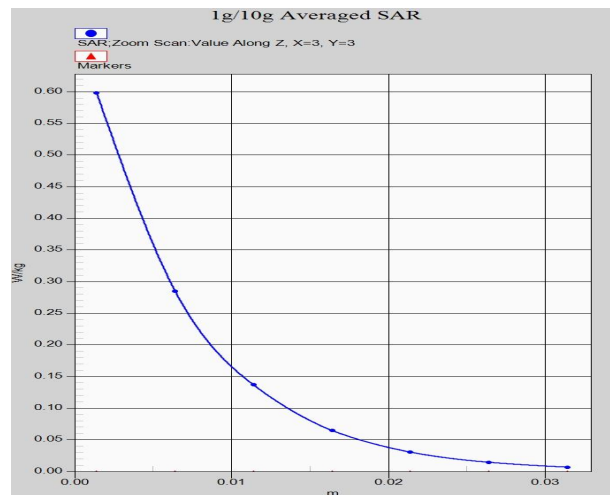
Z-Scan at power reference point (N7 ANT11)



Z-Scan at power reference point (N7 ANT13)



Z-Scan at power reference point (N7 ANT13)



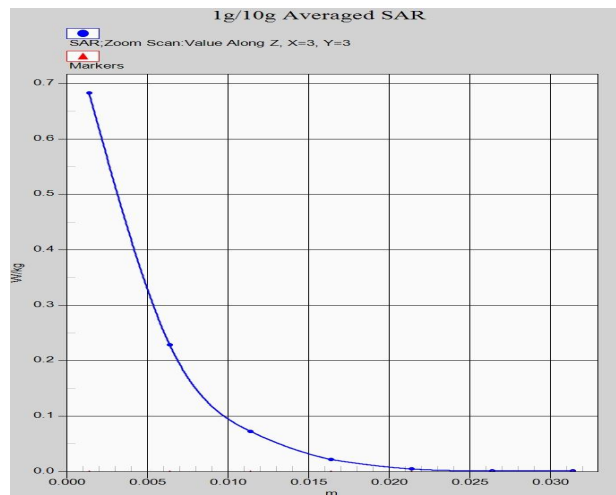
Z-Scan at power reference point (N41 ANT11)



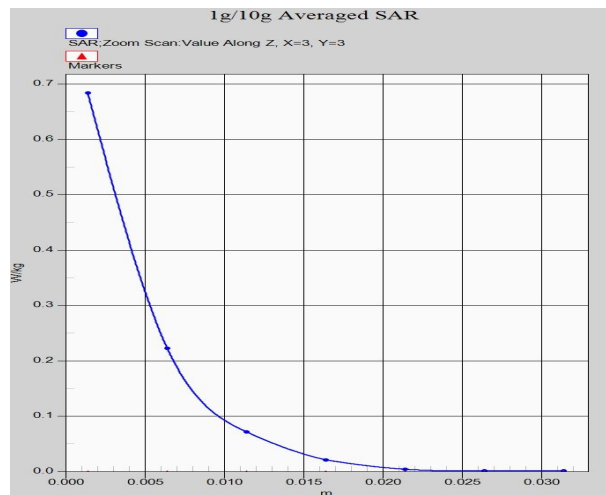
Z-Scan at power reference point (N41 ANT11)



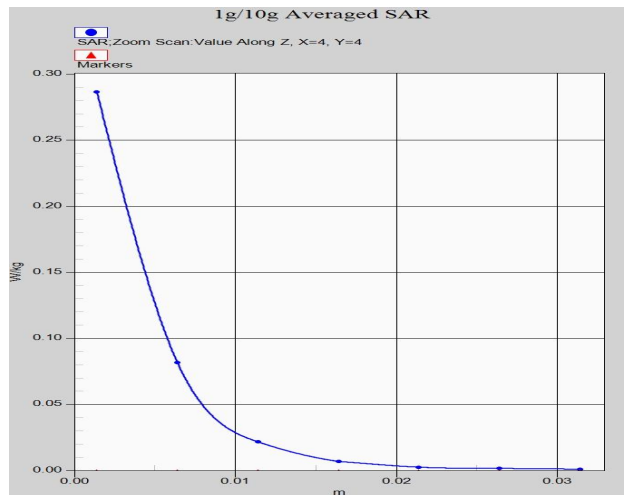
Z-Scan at power reference point (N41 ANT13)



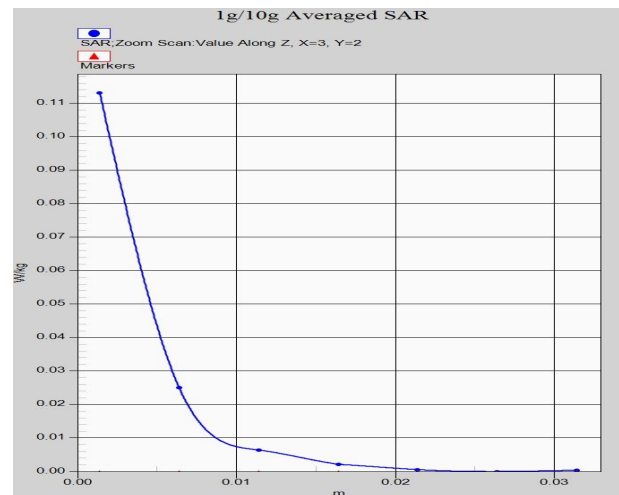
Z-Scan at power reference point (N78 ANT11)



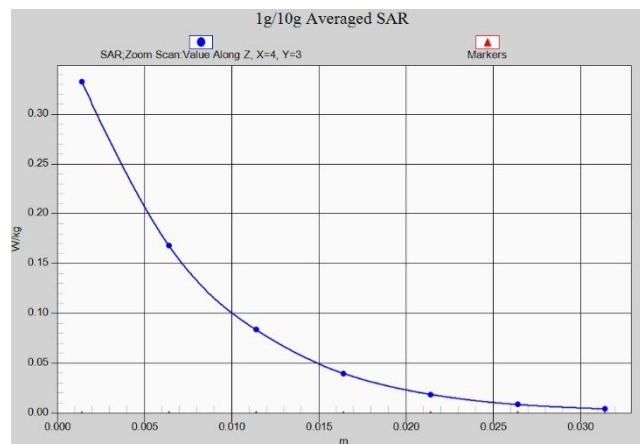
Z-Scan at power reference point (N78 ANT11)



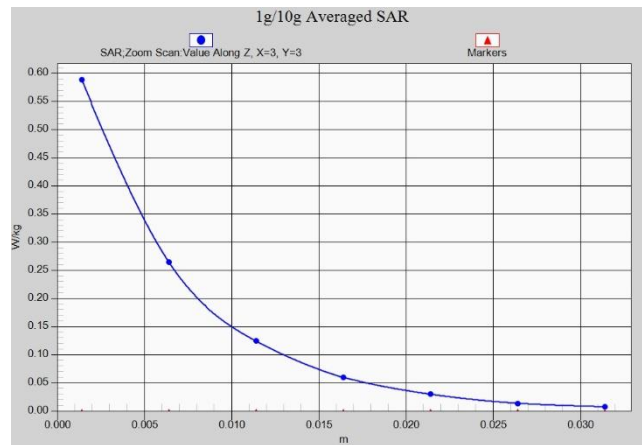
Z-Scan at power reference point (N78 ANT12)



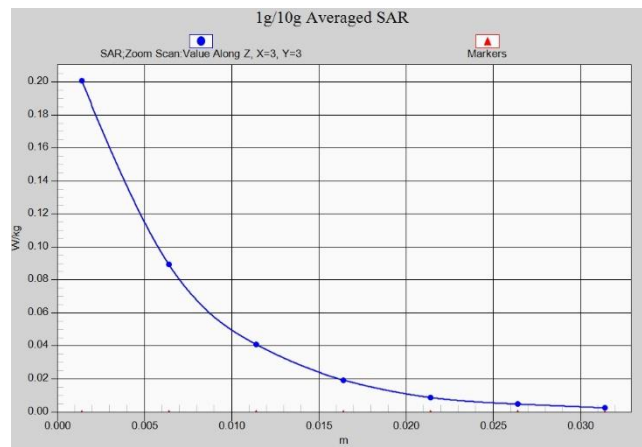
Z-Scan at power reference point (N78 ANT12)



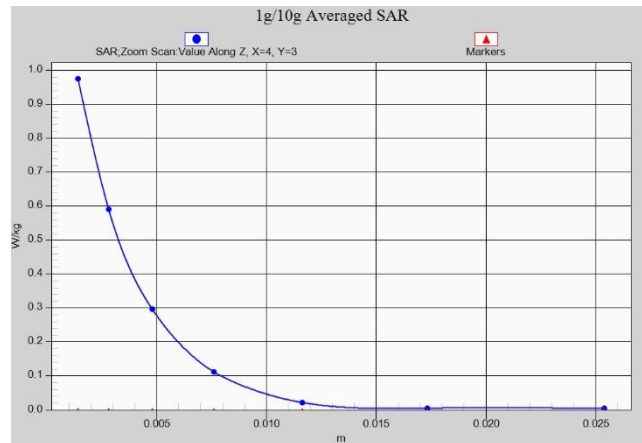
Z-Scan at power reference point (WIFI2.4G)



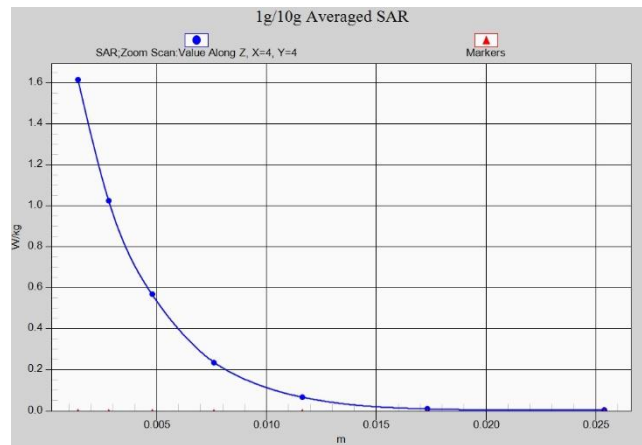
Z-Scan at power reference point (WIFI2.4G)



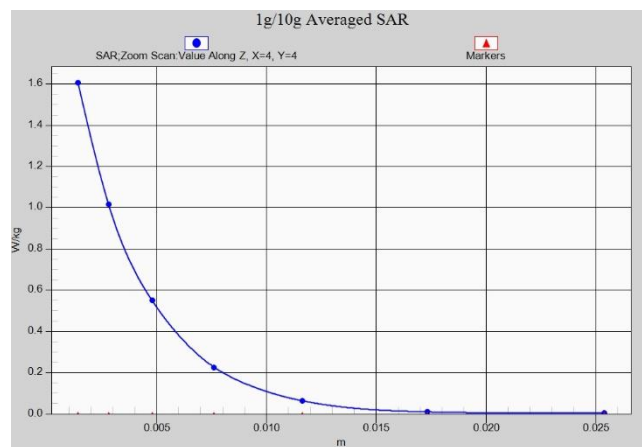
Z-Scan at power reference point (WIFI2.4G)



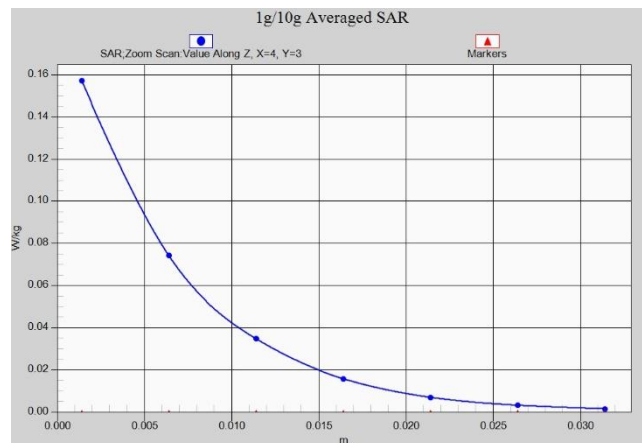
Z-Scan at power reference point (WIFI5G)



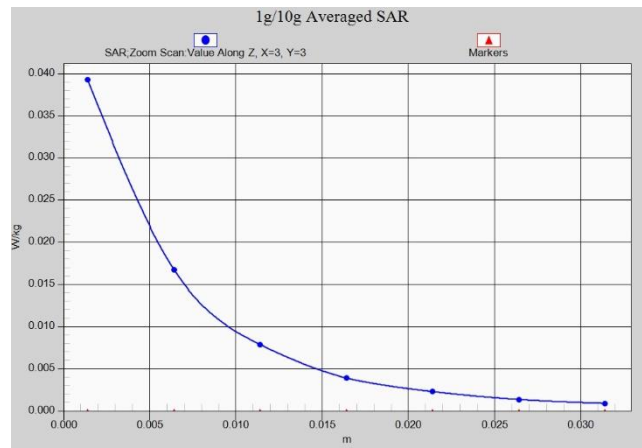
Z-Scan at power reference point (WIFI5G)



Z-Scan at power reference point (WIFI5G)



Z-Scan at power reference point (BT)



Z-Scan at power reference point (BT)

ANNEX B System Verification Results

750 MHz

Date/Time: 12/28/2021

Electronics: DAE4 Sn1525

Medium: H700-6000

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.8657 \text{ S/m}$; $\epsilon_r = 44.29$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(9.81, 9.81, 9.81); Calibrated: 2/3/2021

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x141x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.61 W/kg

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

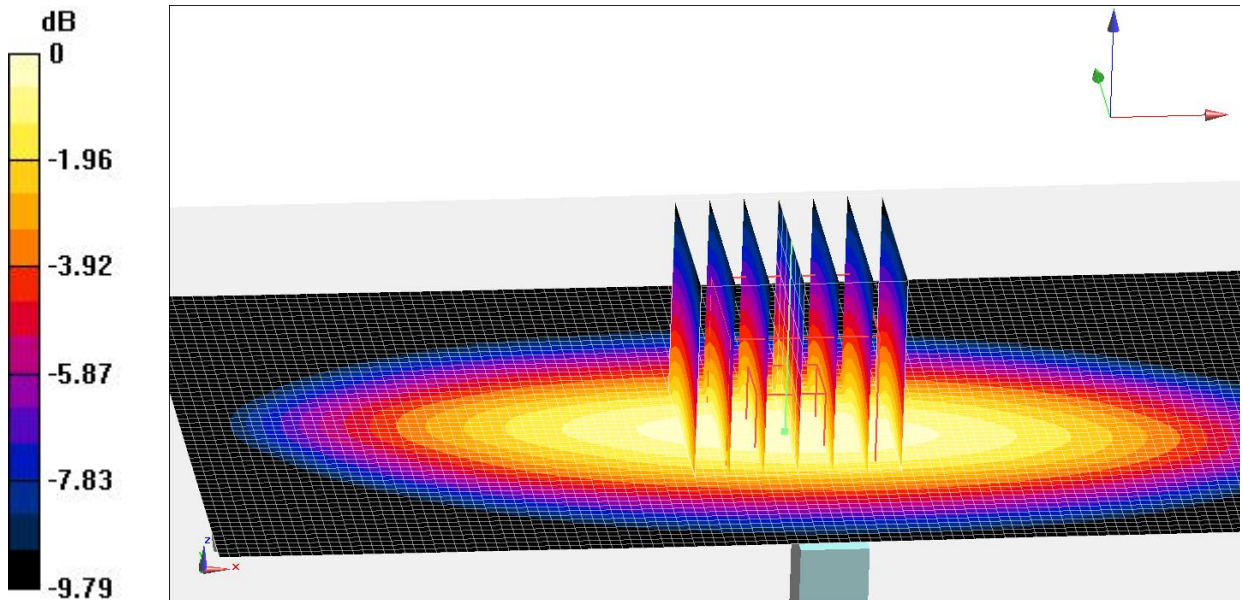
(7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 51.77 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 2.11 W/kg ; SAR(10 g) = 1.41 W/kg

Maximum value of SAR (measured) = 2.66 W/kg



0 dB = $2.66 \text{ W/kg} = 4.25 \text{ dBW/kg}$

Fig.B.1 validation 750 MHz 250mW

750 MHz

Date/Time: 12/29/2021

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.8546 \text{ S/m}$; $\epsilon_r = 44.18$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(9.81, 9.81, 9.81); Calibrated: 2/3/2021

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x141x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.67 W/kg

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

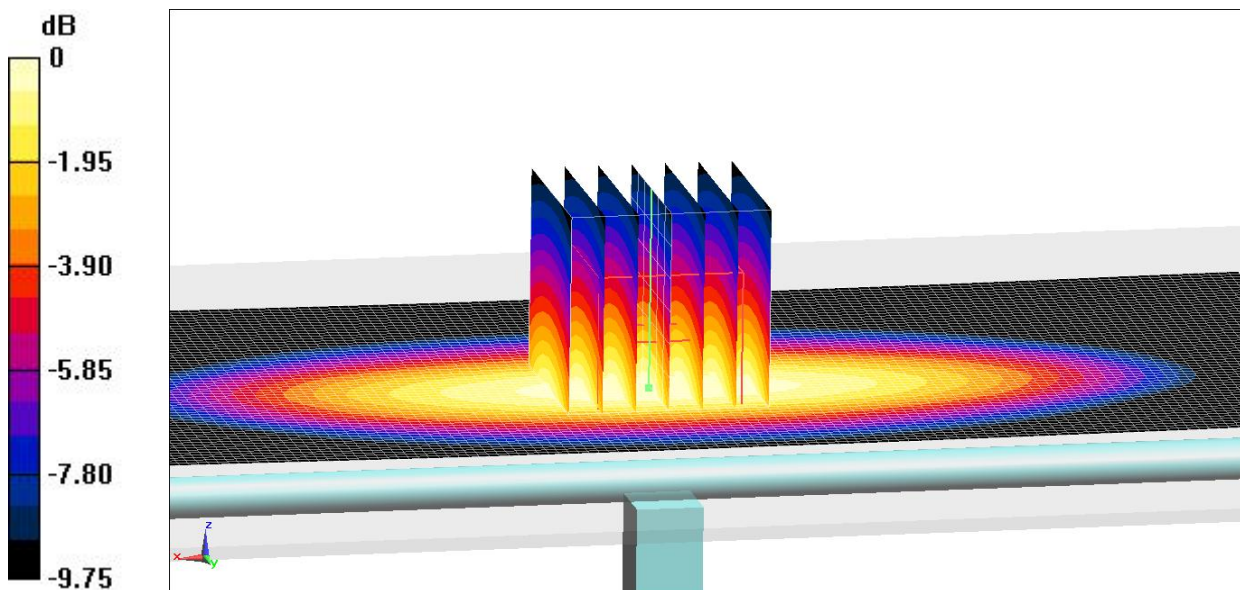
(7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 50.84 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 2.14 W/kg ; SAR(10 g) = 1.43 W/kg

Maximum value of SAR (measured) = 2.69 W/kg



0 dB = 2.69 W/kg = 4.30 dBW/kg

Fig.B.2 validation 750 MHz 250mW

750 MHz

Date/Time: 12/30/2021

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.8711 \text{ S/m}$; $\epsilon_r = 44.33$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(9.81, 9.81, 9.81); Calibrated: 2/3/2021

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x141x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.73 W/kg

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

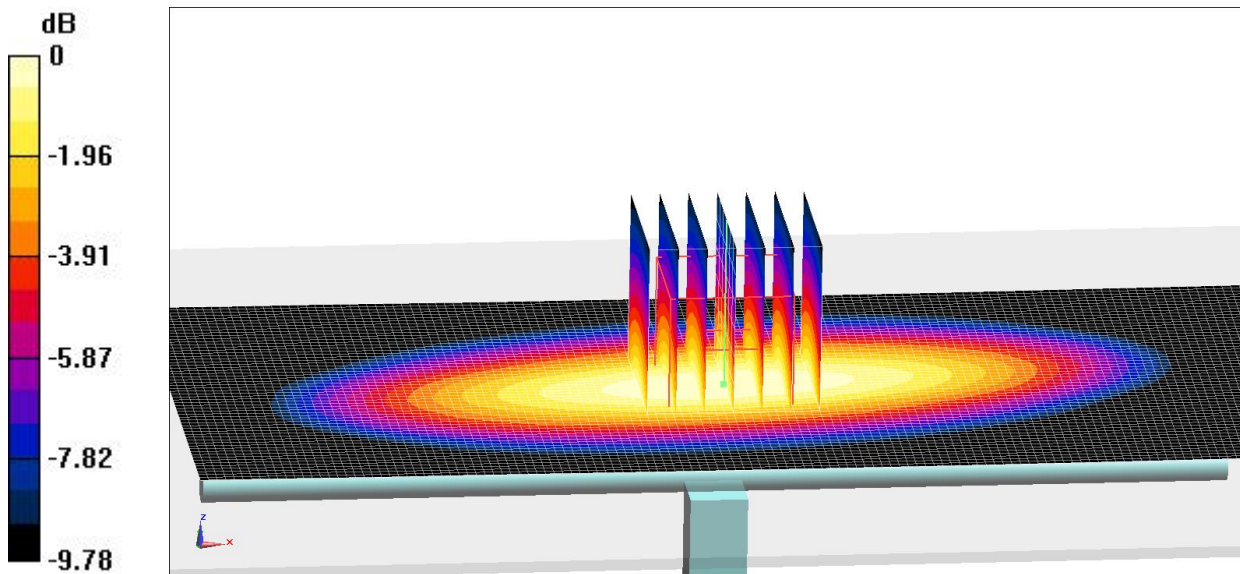
(7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.69 V/m ; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 2.18 W/kg ; SAR(10 g) = 1.45 W/kg

Maximum value of SAR (measured) = 2.76 W/kg



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

Fig.B.3 validation 750 MHz 250mW

750 MHz

Date/Time: 12/31/2021

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.8293 \text{ S/m}$; $\epsilon_r = 44.37$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(9.81, 9.81, 9.81); Calibrated: 2/3/2021

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x141x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.66 W/kg

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

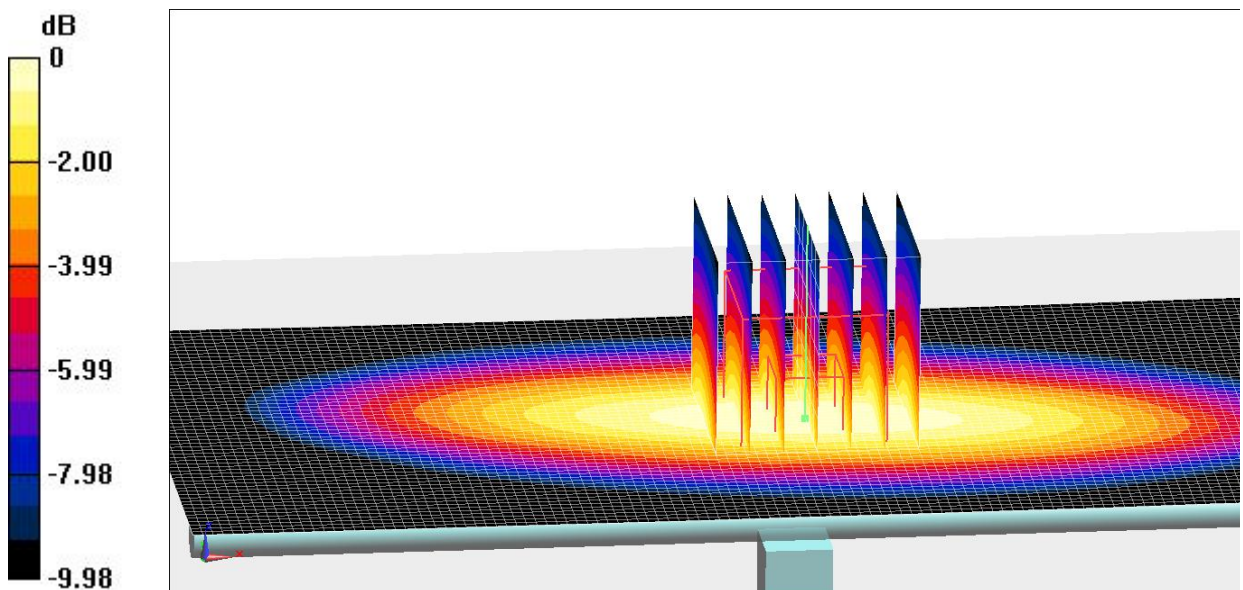
(7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 55.10 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.08 W/kg

SAR(1 g) = 2.1 W/kg ; SAR(10 g) = 1.4 W/kg

Maximum value of SAR (measured) = 2.64 W/kg



0 dB = $2.64 \text{ W/kg} = 4.22 \text{ dBW/kg}$

Fig.B.4 validation 750 MHz 250mW

835 MHz

Date/Time: 12/23/2021

Electronics: DAE4 Sn1525

Medium: H700-6000

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.9164 \text{ S/m}$; $\epsilon_r = 44.18$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 835 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(9.40, 9.40, 9.40); Calibrated: 2/3/2021

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x121x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.88 W/kg

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

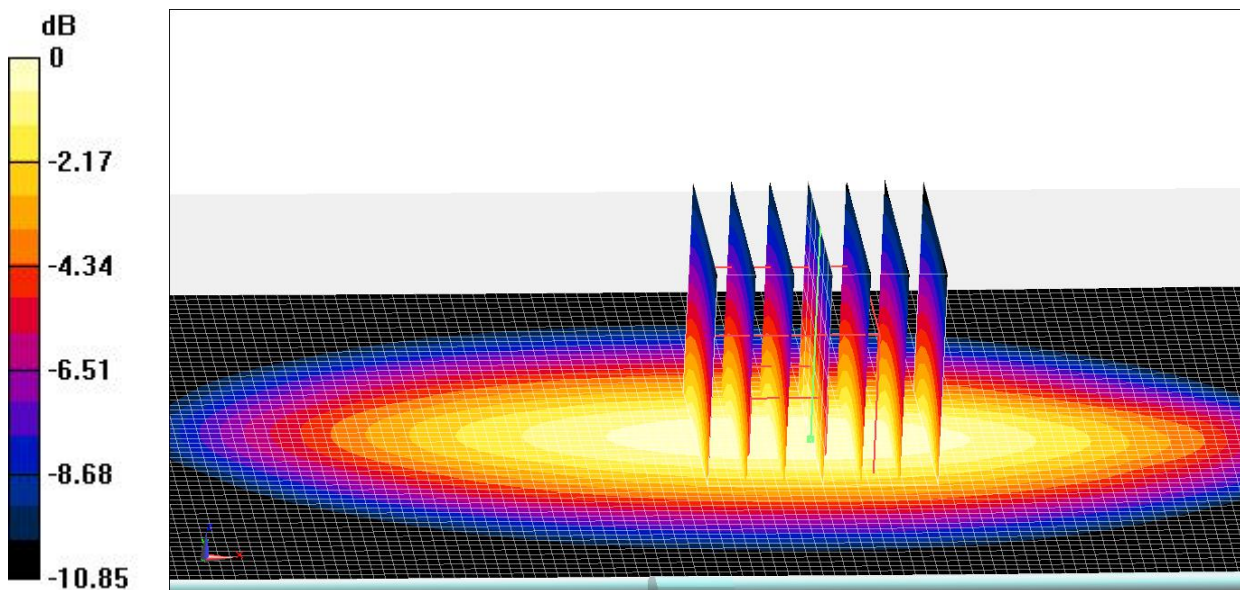
(7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 57.26 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.41 W/kg

SAR(1 g) = 2.29 W/kg ; SAR(10 g) = 1.49 W/kg

Maximum value of SAR (measured) = 2.90 W/kg



0 dB = 2.90 W/kg = 4.62 dBW/kg

Fig.B.5 validation 835 MHz 250mW

835 MHz

Date/Time: 12/29/2021

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.8577 \text{ S/m}$; $\epsilon_r = 43.85$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 835 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(9.40, 9.40, 9.40); Calibrated: 2/3/2021

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x131x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.91 W/kg

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

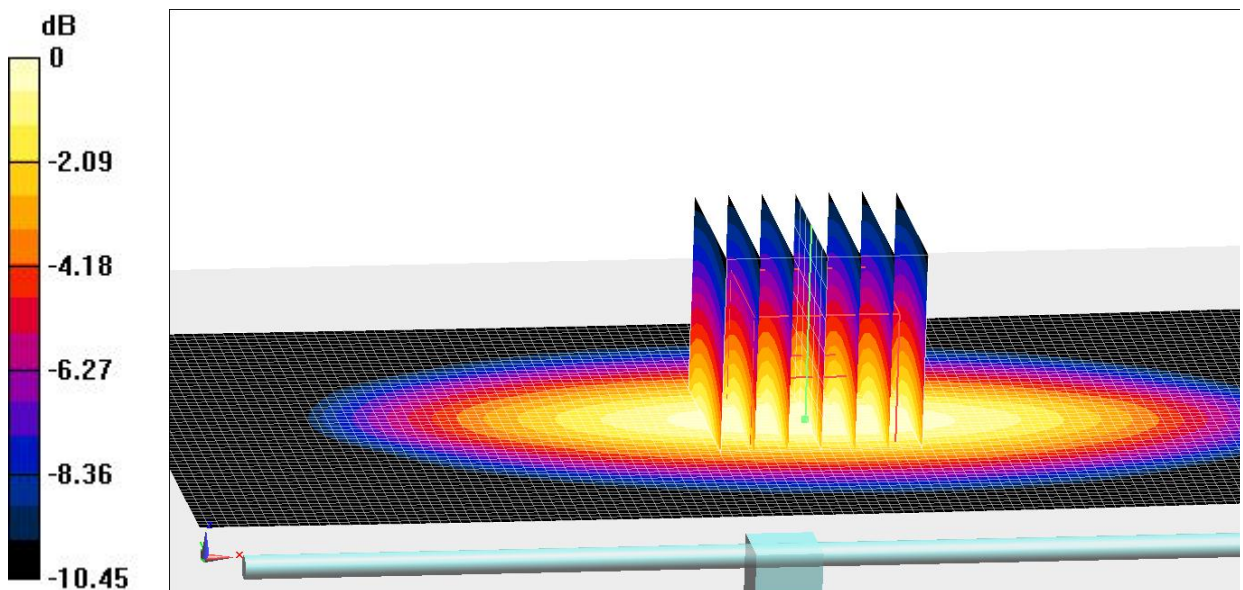
(7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.62 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.41 W/kg

SAR(1 g) = 2.30 W/kg ; SAR(10 g) = 1.49 W/kg

Maximum value of SAR (measured) = 2.89 W/kg



0 dB = $2.89 \text{ W/kg} = 4.61 \text{ dBW/kg}$

Fig.B.6 validation 835 MHz 250mW

835 MHz

Date/Time: 12/31/2021

Electronics: DAE4 Sn1525

Medium: H700-6000

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.8392 \text{ S/m}$; $\epsilon_r = 43.76$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 835 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(9.40, 9.40, 9.40); Calibrated: 2/3/2021

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x131x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.91 W/kg

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

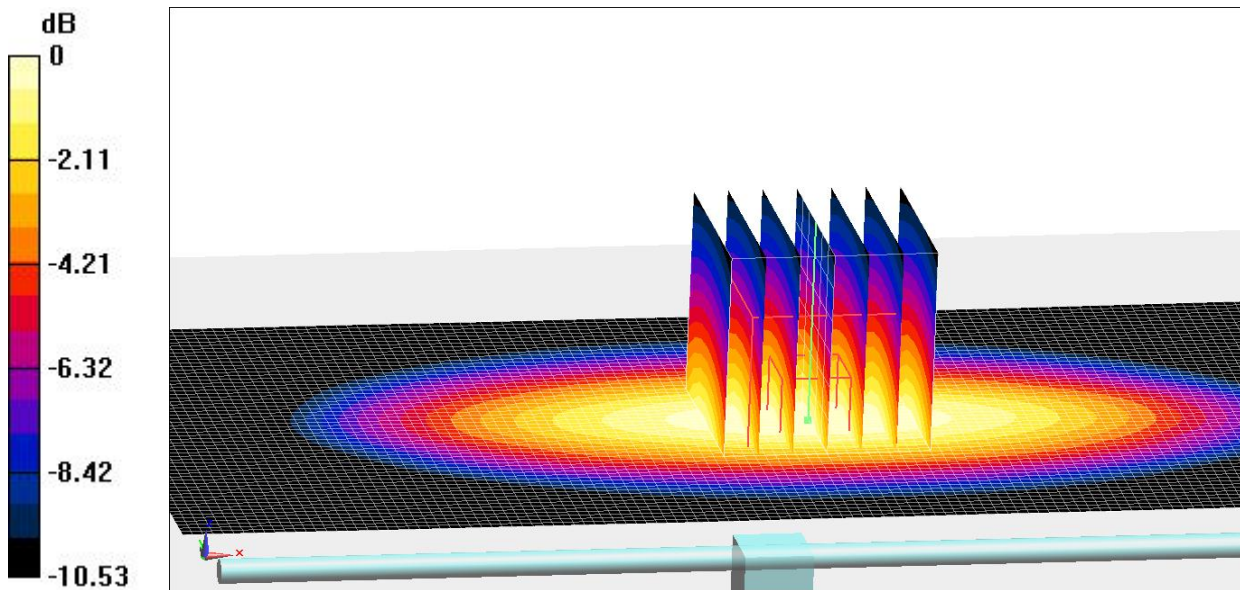
(7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 57.74 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.47 W/kg

SAR(1 g) = 2.31 W/kg ; SAR(10 g) = 1.51 W/kg

Maximum value of SAR (measured) = 2.94 W/kg



0 dB = $2.94 \text{ W/kg} = 4.68 \text{ dBW/kg}$

Fig.B.7 validation 835 MHz 250mW

835 MHz

Date/Time: 1/7/2022

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.8413 \text{ S/m}$; $\epsilon_r = 43.52$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 835 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(9.40, 9.40, 9.40); Calibrated: 2/3/2021

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x141x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.05 W/kg

System Performance Check/d=15mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

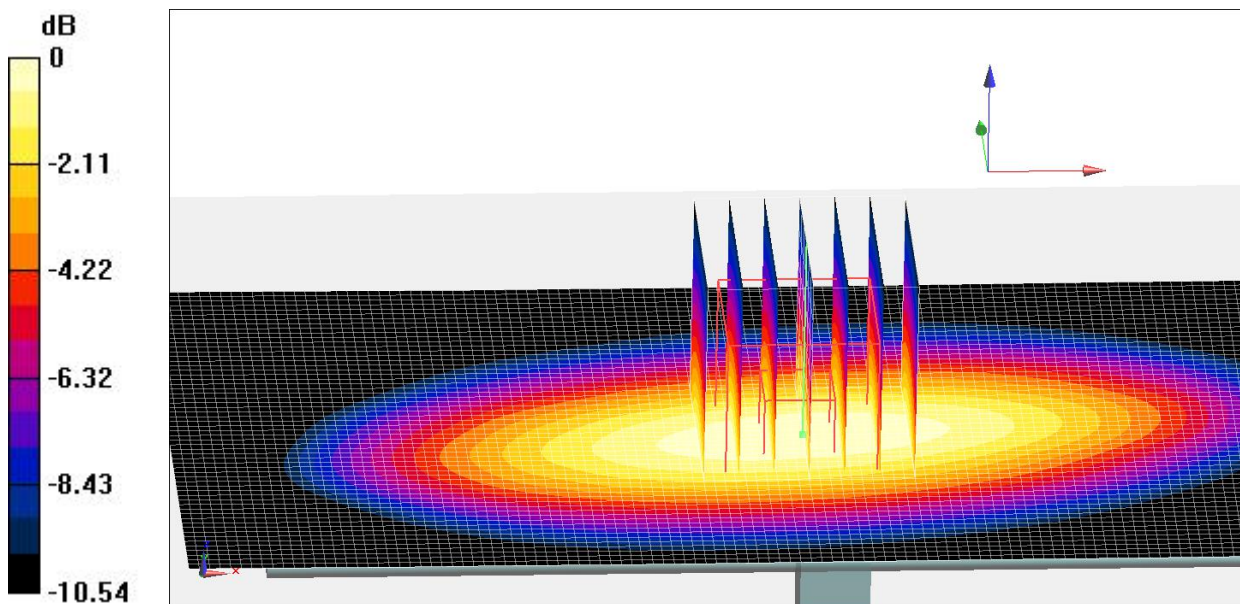
(7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.09 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.64 W/kg

SAR(1 g) = 2.43 W/kg ; SAR(10 g) = 1.6 W/kg

Maximum value of SAR (measured) = 3.08 W/kg



0 dB = $3.08 \text{ W/kg} = 4.89 \text{ dBW/kg}$

Fig.B.8 validation 835 MHz 250mW

1750 MHz

Date/Time: 12/28/2021

Electronics: DAE4 Sn1525

Medium: H700-6000

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.344$ S/m; $\epsilon_r = 41.66$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(8.22, 8.22, 8.22); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.3 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

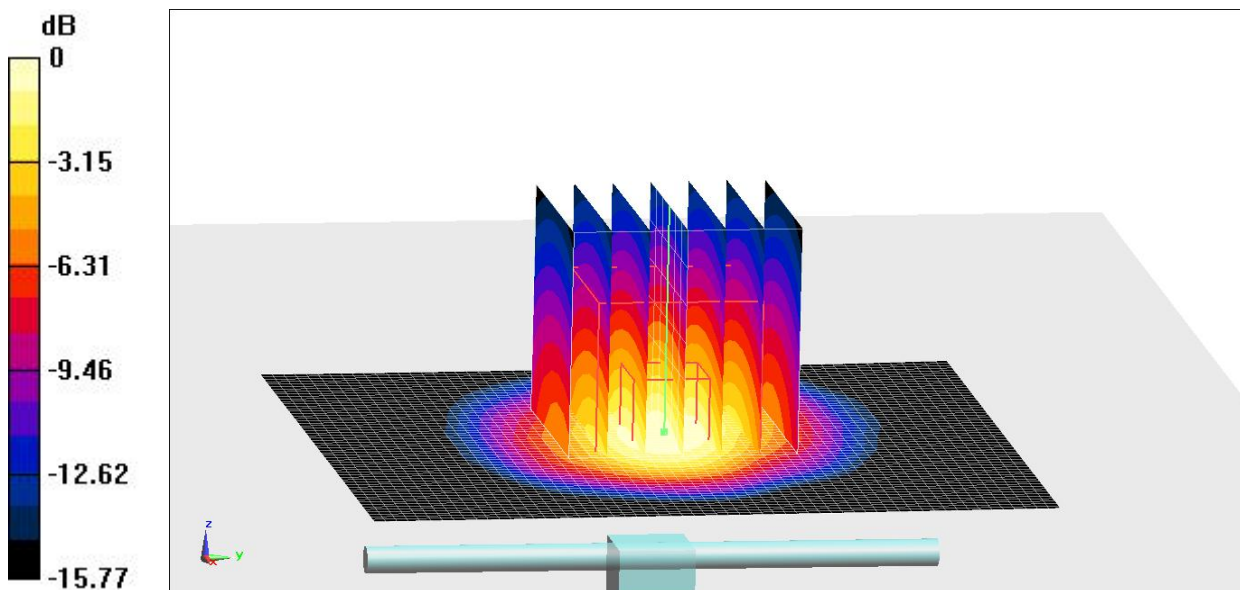
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.67 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 16.0 W/kg

SAR(1 g) = 9.27 W/kg; SAR(10 g) = 5.04 W/kg

Maximum value of SAR (measured) = 13.0 W/kg



0 dB = 13.0 W/kg = 11.14 dBW/kg

Fig.B.9 validation 1750 MHz 250mW

1750 MHz

Date/Time: 12/29/2021

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.336$ S/m; $\epsilon_r = 41.89$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(8.22, 8.22, 8.22); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.5 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

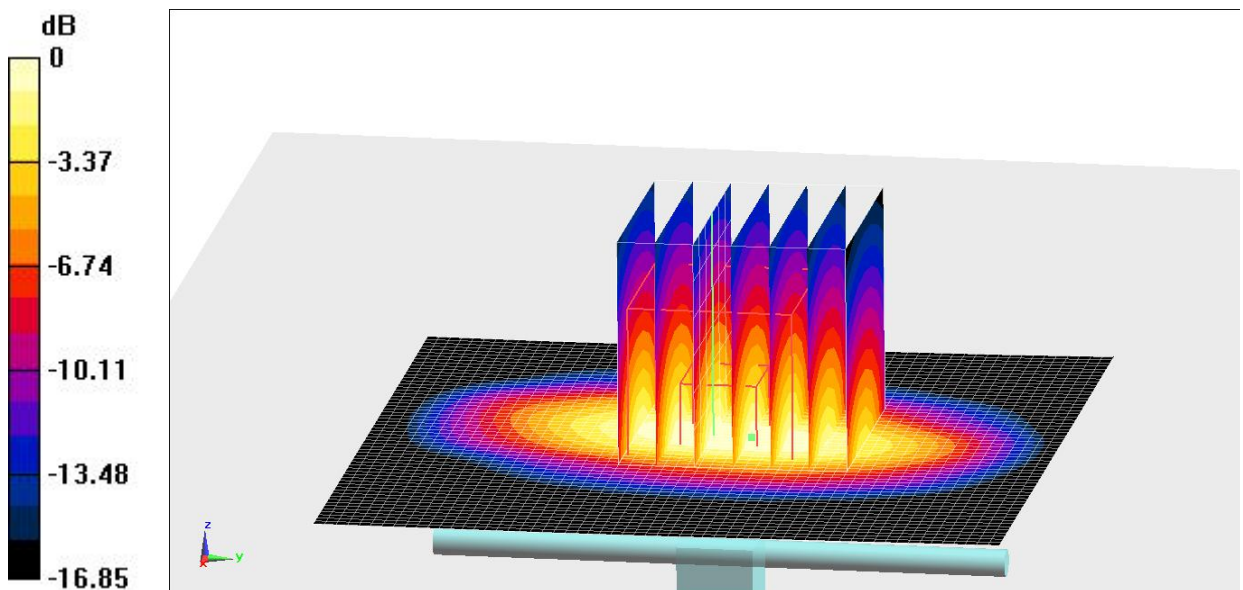
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.40 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 9.48 W/kg; SAR(10 g) = 5.09 W/kg

Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

Fig.B.10 validation 1750 MHz 250mW

1750 MHz

Date/Time: 12/30/2021

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.349$ S/m; $\epsilon_r = 41.97$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(8.22, 8.22, 8.22); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.8 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

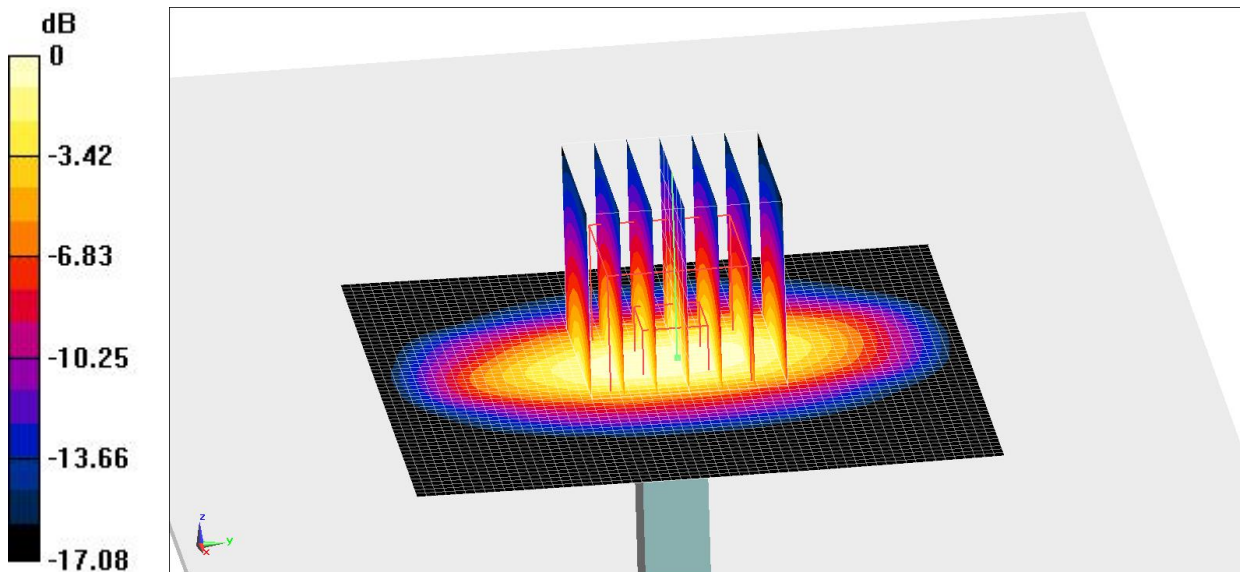
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 94.56 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 16.1 W/kg

SAR(1 g) = 8.94 W/kg; SAR(10 g) = 4.74 W/kg

Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg = 10.53 dBW/kg

Fig.B.11 validation 1750 MHz 250mW

1750 MHz

Date/Time: 12/31/2021

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.335$ S/m; $\epsilon_r = 42.17$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(8.22, 8.22, 8.22); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.4 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

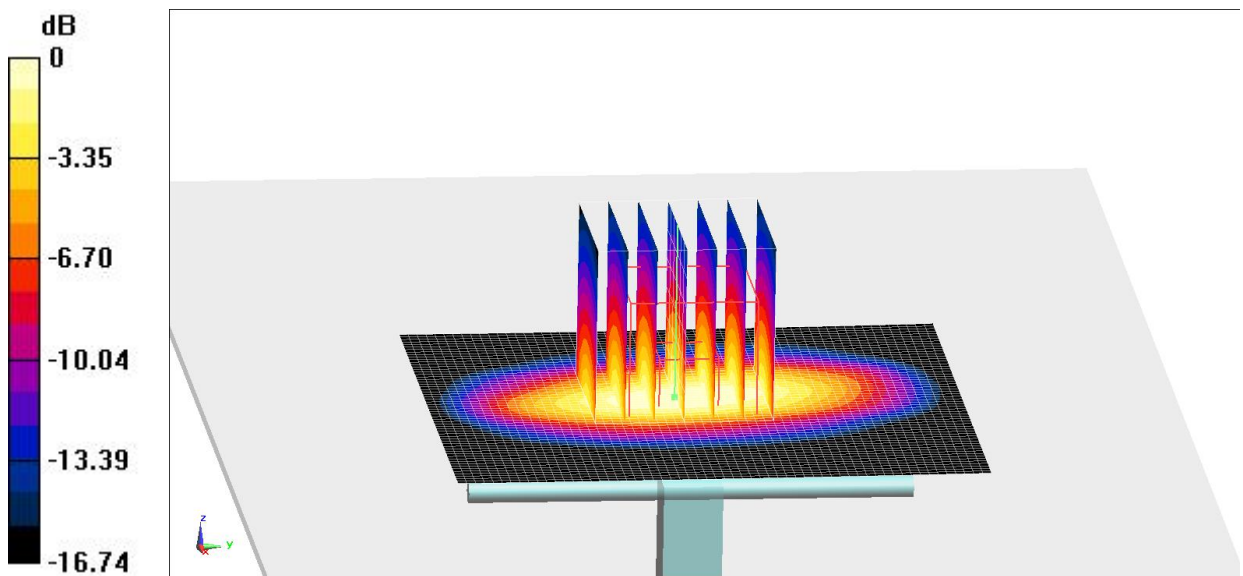
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 99.87 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 9.3 W/kg; SAR(10 g) = 4.99 W/kg

Maximum value of SAR (measured) = 13.0 W/kg



0 dB = 13.0 W/kg = 11.14 dBW/kg

Fig.B.12 validation 1750 MHz 250mW

1750 MHz

Date/Time: 1/4/2022

Electronics: DAE4 Sn1525

Medium: H700-6000

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.328$ S/m; $\epsilon_r = 41.33$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(8.22, 8.22, 8.22); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.6 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

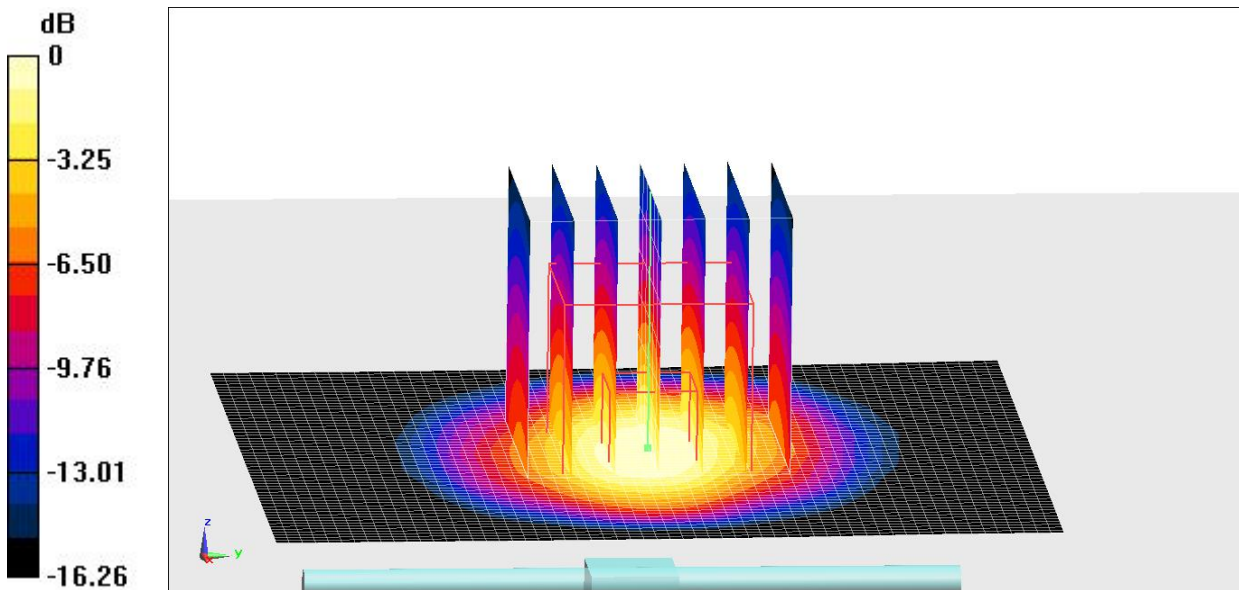
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.68 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 16.6 W/kg

SAR(1 g) = 9.33 W/kg; SAR(10 g) = 5.03 W/kg

Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

Fig.B.13 validation 1750 MHz 250mW

1750 MHz

Date/Time: 1/5/2022

Electronics: DAE4 Sn1525

Medium: H700-6000

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.453$ S/m; $\epsilon_r = 41.12$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW Frequency: 1750 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(8.22, 8.22, 8.22); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.6 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

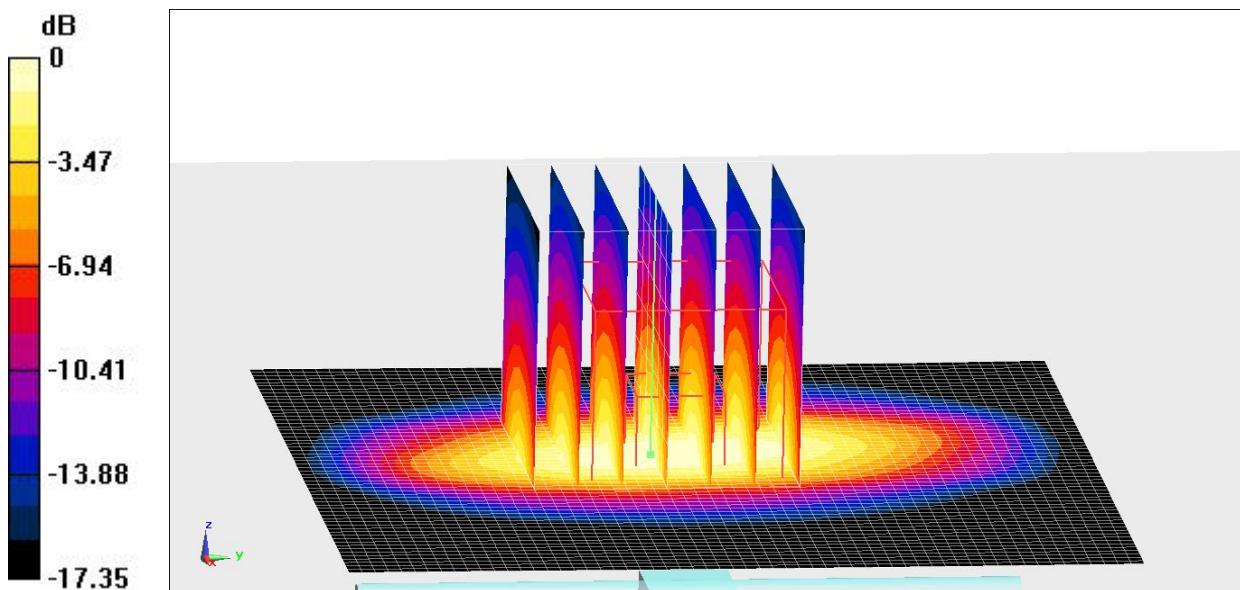
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.35 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 9.18 W/kg; SAR(10 g) = 4.87 W/kg

Maximum value of SAR (measured) = 13.0 W/kg



0 dB = 13.0 W/kg = 11.14 dBW/kg

Fig.B.14 validation 1750 MHz 250mW

1900 MHz

Date/Time: 12/28/2021

Electronics: DAE4 Sn1525

Medium: H700-6000

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.369 \text{ S/m}$; $\epsilon_r = 42.16$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(7.81, 7.81, 7.81); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 14.3 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

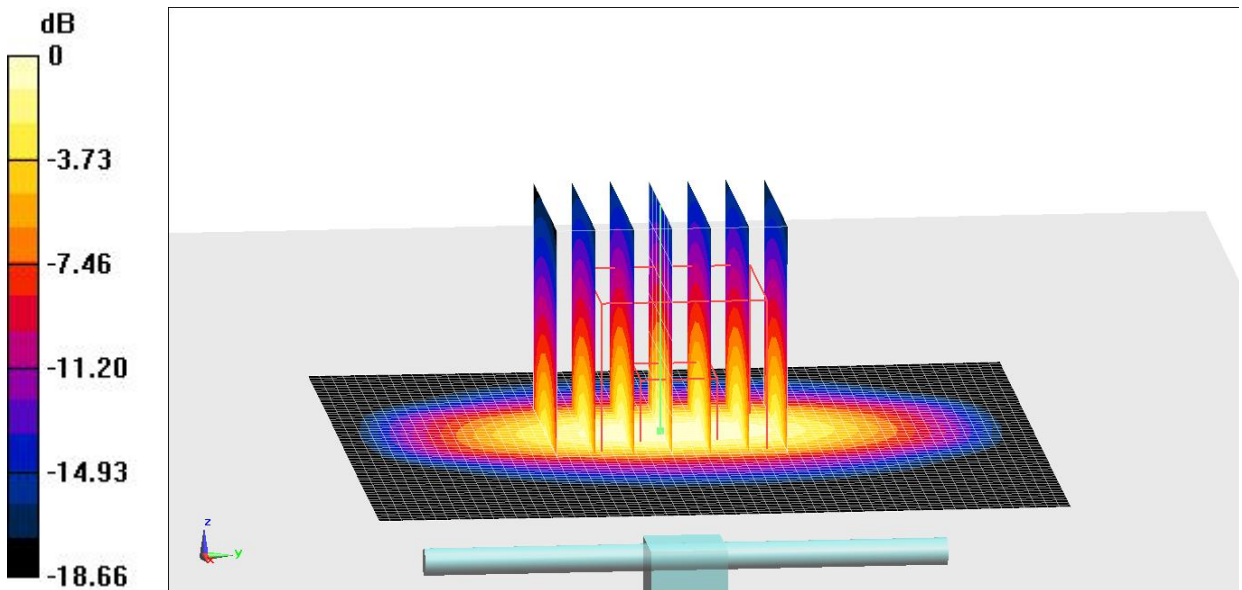
(7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 101.3 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 19.0 W/kg

SAR(1 g) = 9.97 W/kg ; SAR(10 g) = 5.09 W/kg

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg = 11.61 dBW/kg

Fig.B.15 validation 1900 MHz 250mW

1900 MHz

Date/Time: 12/30/2021

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.374$ S/m; $\epsilon_r = 41.67$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(7.81, 7.81, 7.81); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 14.8 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

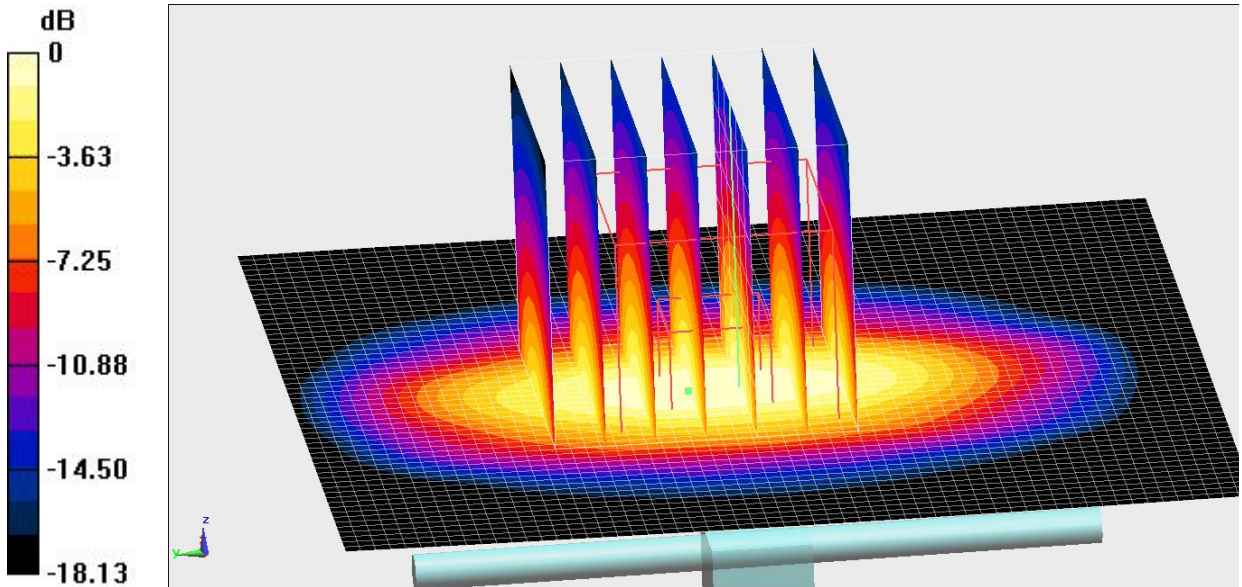
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 99.89 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.21 W/kg

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg = 11.61 dBW/kg

Fig.B.16 validation 1900 MHz 250mW

1900 MHz

Date/Time: 1/4/2022

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.446$ S/m; $\epsilon_r = 39.44$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(7.81, 7.81, 7.81); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 14.6 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

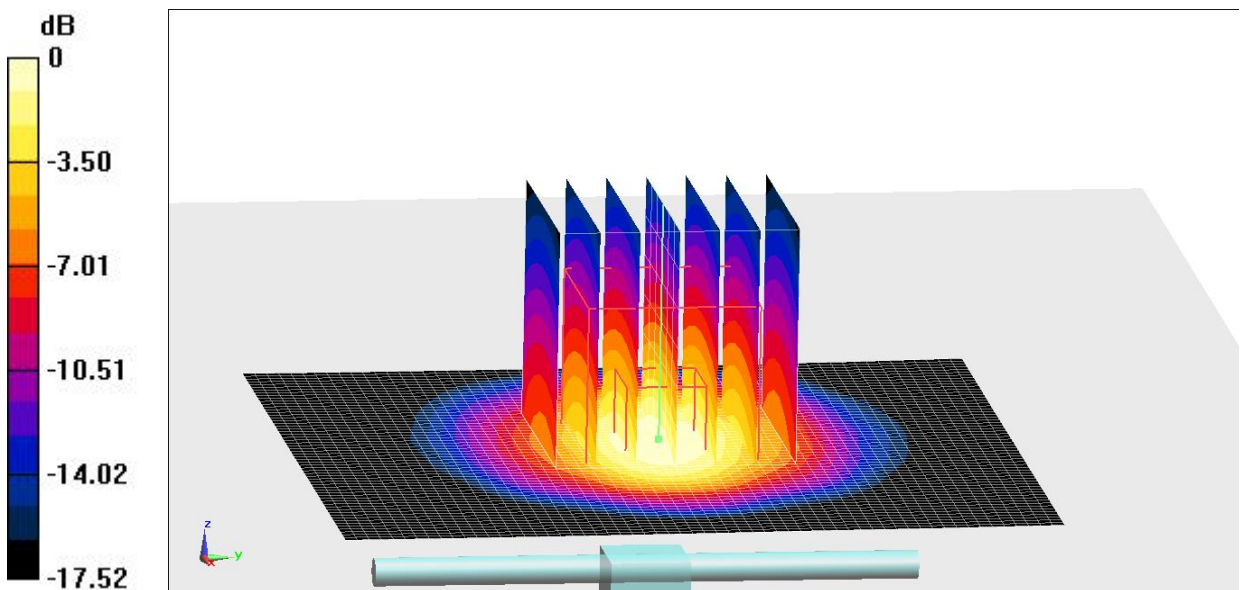
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 103.0 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.89 W/kg; SAR(10 g) = 5.16 W/kg

Maximum value of SAR (measured) = 14.2 W/kg



0 dB = 14.2 W/kg = 11.52 dBW/kg

Fig.B.17 validation 1900 MHz 250mW

1900 MHz

Date/Time: 1/6/2022

Electronics: DAE4 Sn1525

Medium: H700-6000M

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.418$ S/m; $\epsilon_r = 39.27$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(7.81, 7.81, 7.81); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 14.8 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

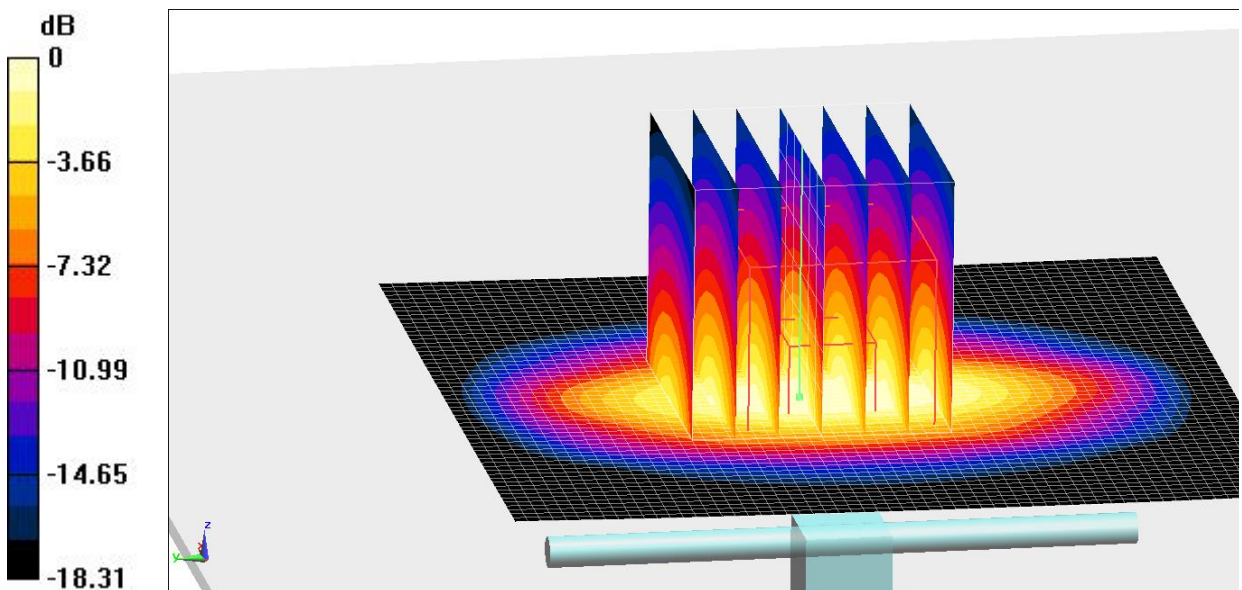
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 100.6 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 18.9 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.22 W/kg

Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg = 11.61 dBW/kg

Fig.B.18 validation 1900 MHz 250mW

1900 MHz

Date/Time: 1/7/2022

Electronics: DAE4 Sn1525

Medium: H700-6000

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.405$ S/m; $\epsilon_r = 38.86$; $\rho = 1000$ kg/m³

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(7.81, 7.81, 7.81); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 14.9 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

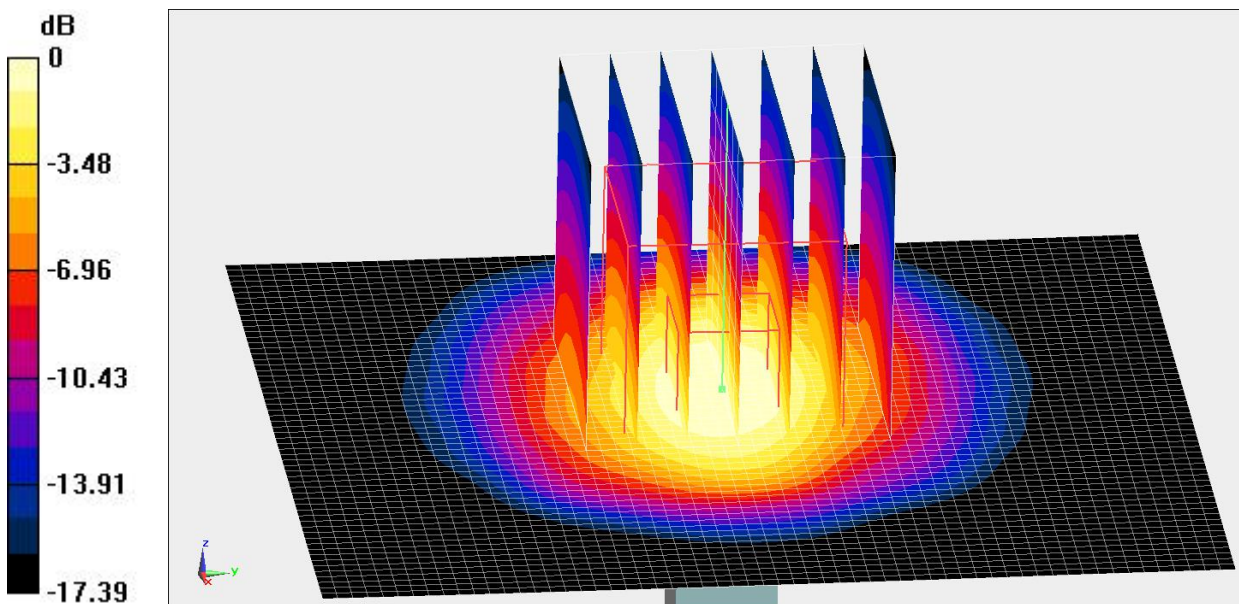
(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 104.4 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 10.3 W/kg; SAR(10 g) = 5.41 W/kg

Maximum value of SAR (measured) = 14.7 W/kg



0 dB = 14.7 W/kg = 11.67 dBW/kg

Fig.B.19 validation 1900 MHz 250mW

2450 MHz

Date/Time: 1/24/2022

Electronics: DAE4 Sn1525

Medium: H680-6000M

Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.862 \text{ S/m}$; $\epsilon_r = 38.35$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature: 22.8°C Liquid Temperature: 22.3°C

Communication System: UID 0, CW (0) Frequency: 2450 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7517 ConvF(7.34, 7.34, 7.34); Calibrated: 2/3/2021

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Area Scan (81x91x1):

Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 18.3 W/kg

System Performance Check/d=10mm, Pin=250 mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x7)

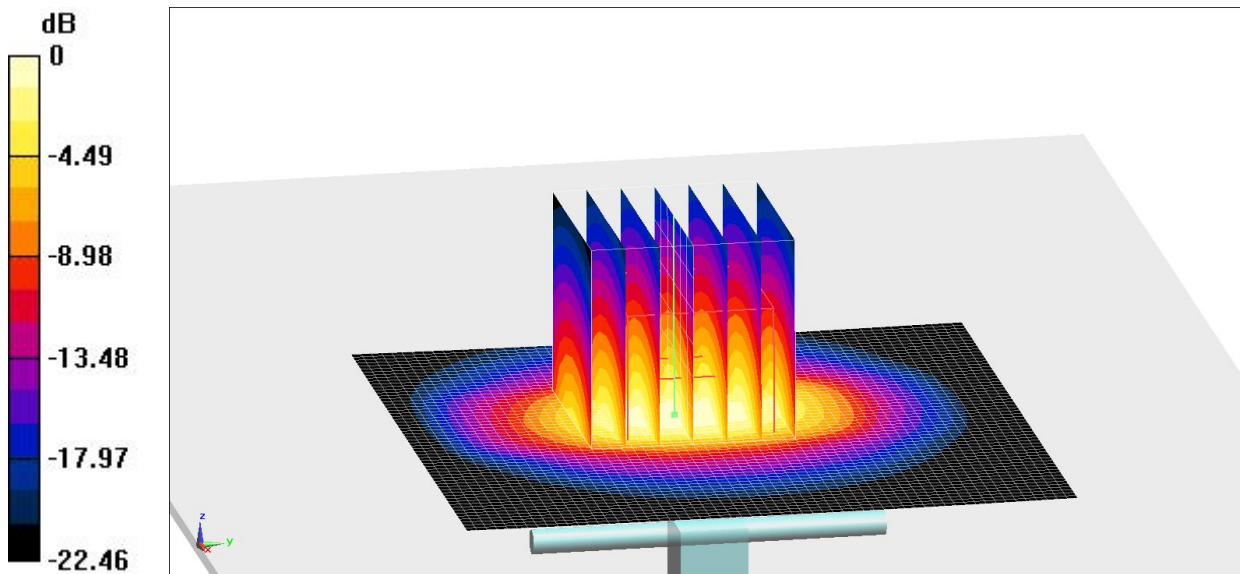
(7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 99.87 V/m ; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 13.7 W/kg ; SAR(10 g) = 6.33 W/kg

Maximum value of SAR (measured) = 18.0 W/kg



0 dB = $18.0 \text{ W/kg} = 12.55 \text{ dBW/kg}$

Fig.B.20 validation 2450 MHz 250mW