# APPENDIX 1

# SAR Measurement Data

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# EXHIBIT 1. PRESCAN MEASUREMENT SUMMARY

| MB-133 with Batteries | Antenna | CH | CH. Freq | BODY SAR1g (W/Kg) | BODY SAR10g (W/Kg) |
|---|---|---|---|---|---|
| BP-283 | FA-S76UC 125mm | 10 | 512 | 10.40 | 7.61 |
| BP-284 | | 10 | 512 | 9.85 | 7.20 |

| BP-283 with Belt Clip | Antenna | CH | CH. Freq | BODY SAR1g (W/Kg) | BODY SAR10g (W/Kg) |
|---|---|---|---|---|---|
| MB-133 | FA-S76UC 125mm | 10 | 512 | 10.40 | 7.61 |
| MB-136 | | 10 | 512 | 7.23 | 5.41 |

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 125MM 512MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.962 S/m; $\varepsilon_r$ = 56.248; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

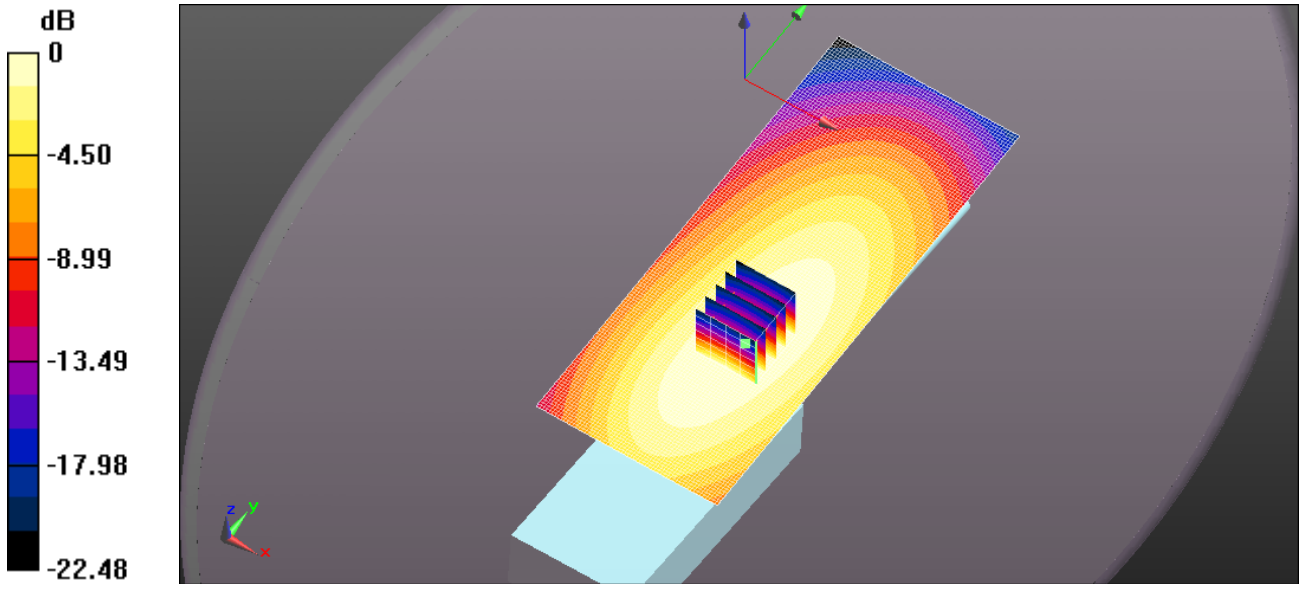
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.2 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 110.5 V/m; Power Drift = -0.34 dB
Peak SAR (extrapolated) = 14.0 W/kg
**SAR(1 g) = 9.85 W/kg; SAR(10 g) = 7.2 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 11.1 W/kg




0 dB = 11.2 W/kg = 10.50 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 125MM 512MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

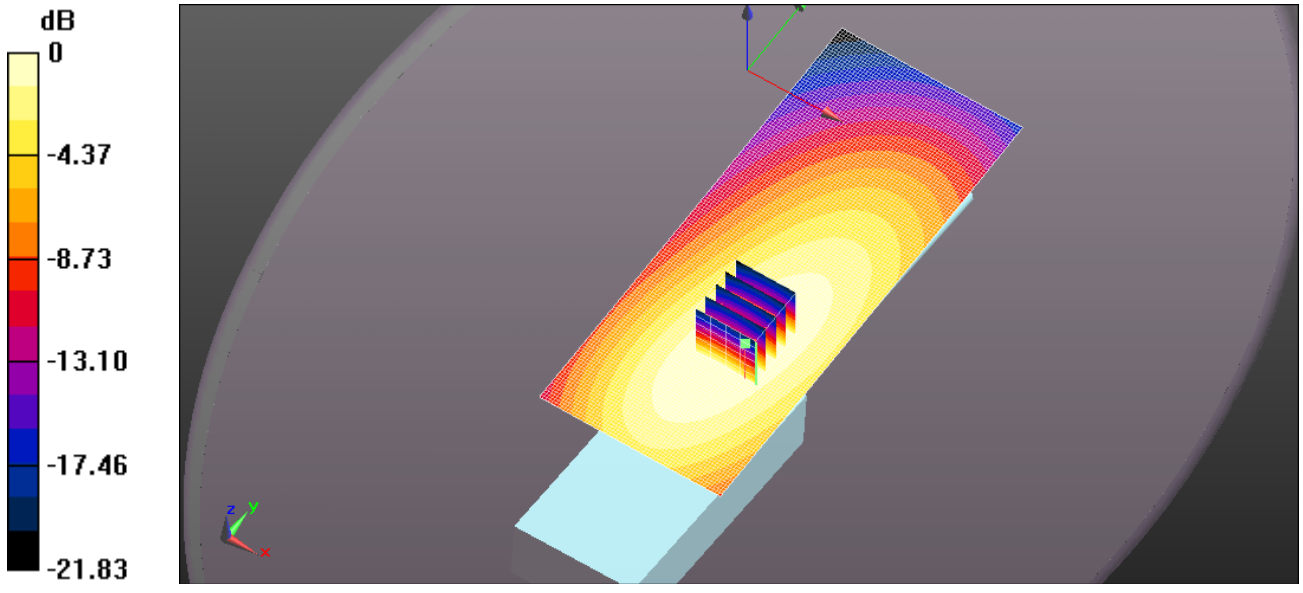
Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.962 S/m; $\varepsilon_r$ = 56.248; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.8 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 110.5 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 14.7 W/kg
**SAR(1 g) = 10.4 W/kg; SAR(10 g) = 7.61 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 11.7 W/kg




0 dB = 11.8 W/kg = 10.72 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 MB-133 FA-S76UC 125MM 512MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.962 S/m; $\varepsilon_r$ = 56.248; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

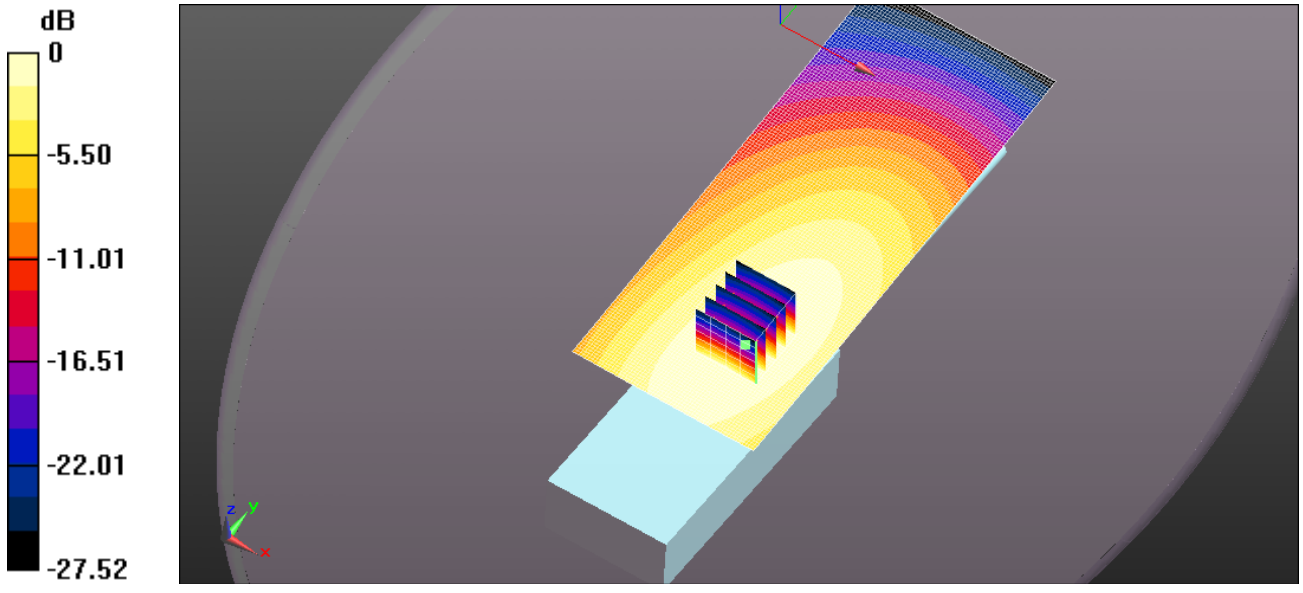
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.35 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.61 V/m; Power Drift = -0.25 dB
Peak SAR (extrapolated) = 10.3 W/kg
**SAR(1 g) = 7.32 W/kg; SAR(10 g) = 5.41 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.21 W/kg




0 dB = 8.35 W/kg = 9.22 dBW/kg

# EXHIBIT 1. HEAD SAR MEASUREMENT SUMMARY

| Antenna | Power (W) | CH | CH. Freq | HEAD SAR1g (W/Kg) | HEAD SAR10g (W/Kg) |
|---|---|---|---|---|---|
| | | | | BP-284 | BP-284 |
| | | | (MHz) | 3210mAh | 3210mAh |
| FA-S82U 430-480 MHz | 5.24 | 1 | 450 | 4.95 | 3.64 |
| | 5.15 | 3 | 470 | 3.68 | 2.69 |
| | 5.16 | 4 | 480 | 3.11 | 2.27 |
| FA-S82US 450-490 MHz | 5.24 | 1 | 450 | 5.57 | 4.10 |
| | 5.15 | 3 | 470 | 3.84 | 2.83 |
| | 5.17 | 5 | 490 | 2.70 | 1.98 |
| FA-S83U 470-520 MHz | 5.15 | 3 | 470 | 4.20 | 3.08 |
| | 5.17 | 6 | 490 | 1.88 | 1.39 |
| | 5.10 | 10 | 512 | 1.18 | 0.86 |
| **Cut Antenna** | **Power (dBm)** | **CH** | **CH. Freq** | **HEAD SAR1g (W/Kg)** | **HEAD SAR10g (W/Kg)** |
| | | | | **BP-284** | **BP-284** |
| | | | **(MHz)** | **3210mAh** | **3210mAh** |
| FA-S76UC 360-520 MHz 142mm 460MHz | 5.24 | 1 | 450 | 5.49 | 4.05 |
| | 5.21 | 2 | 460 | 4.98 | 3.69 |
| | 5.16 | 4 | 480 | 5.78 | 4.26 |
| | 5.11 | 7 | 500 | 4.45 | 3.23 |
| | 5.10 | 10 | 512 | 3.76 | 2.75 |
| FA-S76UC 360-520 MHz 136mm 480MHz | 5.24 | 1 | 450 | 9.82 | 7.13 |
| | 5.21 | 2 | 460 | 6.48 | 4.79 |
| | 5.16 | 4 | 480 | 5.29 | 3.91 |
| | 5.11 | 7 | 500 | 5.72 | 4.21 |
| | 5.10 | 10 | 512 | 7.03 | 5.09 |
| FA-S76UC 360-520 MHz 129mm 500MHz | 5.24 | 1 | 450 | 7.26 | 5.39 |
| | 5.21 | 2 | 460 | 6.03 | 4.50 |
| | 5.16 | 4 | 480 | 5.07 | 3.77 |
| | 5.11 | 7 | 500 | 6.63 | 4.86 |
| | 5.10 | 10 | 512 | 5.99 | 4.38 |
| FA-S76UC 360-520 MHz 125mm 520MHz | 5.24 | 1 | 450 | 6.34 | 4.72 |
| | 5.21 | 2 | 460 | 6.29 | 4.66 |
| | 5.16 | 4 | 480 | 4.18 | 3.27 |
| | 5.11 | 7 | 500 | 6.66 | 4.90 |
| | 5.10 | 10 | 512 | 7.99 | 5.83 |

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S82U 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.844 S/m; $\varepsilon_r$ = 44.405; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

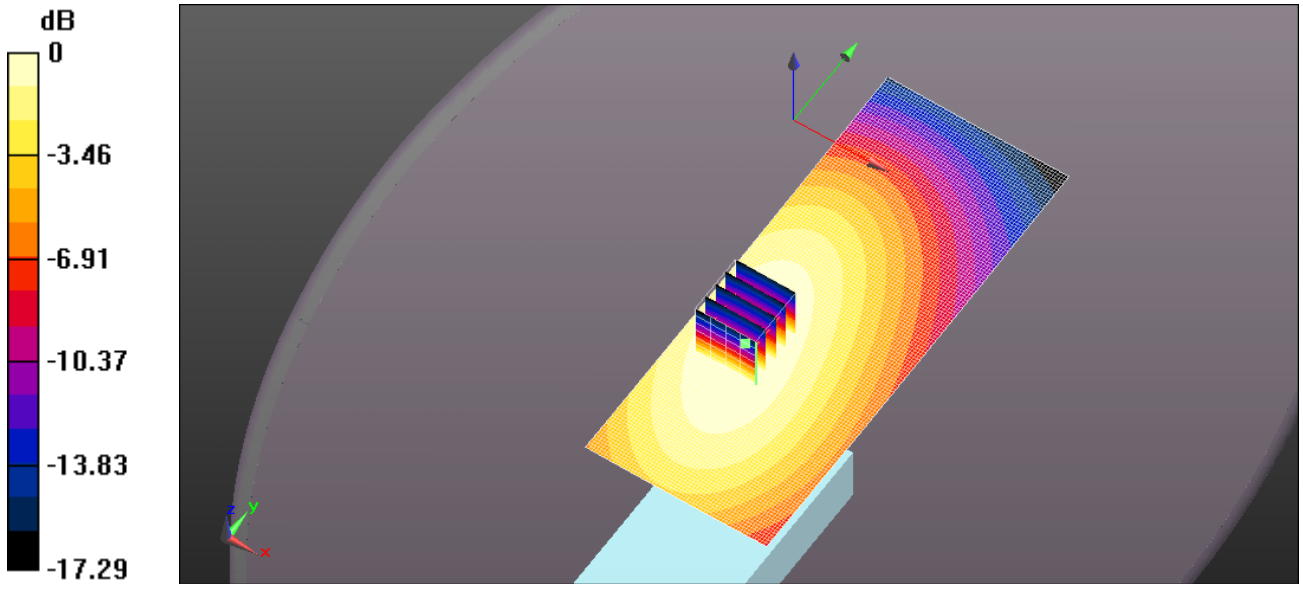
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.42 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 72.70 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 6.66 W/kg
**SAR(1 g) = 4.95 W/kg; SAR(10 g) = 3.64 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.39 W/kg




0 dB = 5.42 W/kg = 7.34 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S82U 470MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.844 S/m; $\varepsilon_r$ = 44.405; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

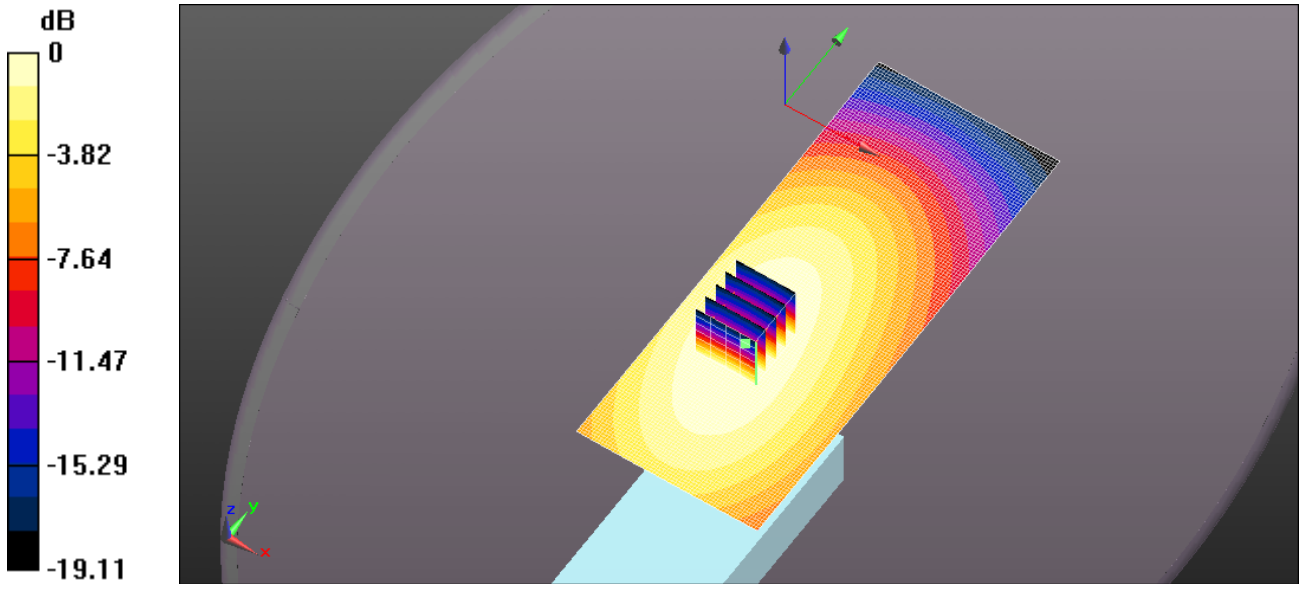
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.02 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 66.30 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 4.93 W/kg
**SAR(1 g) = 3.68 W/kg; SAR(10 g) = 2.69 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.01 W/kg




0 dB = 4.02 W/kg = 6.04 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S82U 480MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.844 S/m; $\varepsilon_r$ = 44.405; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

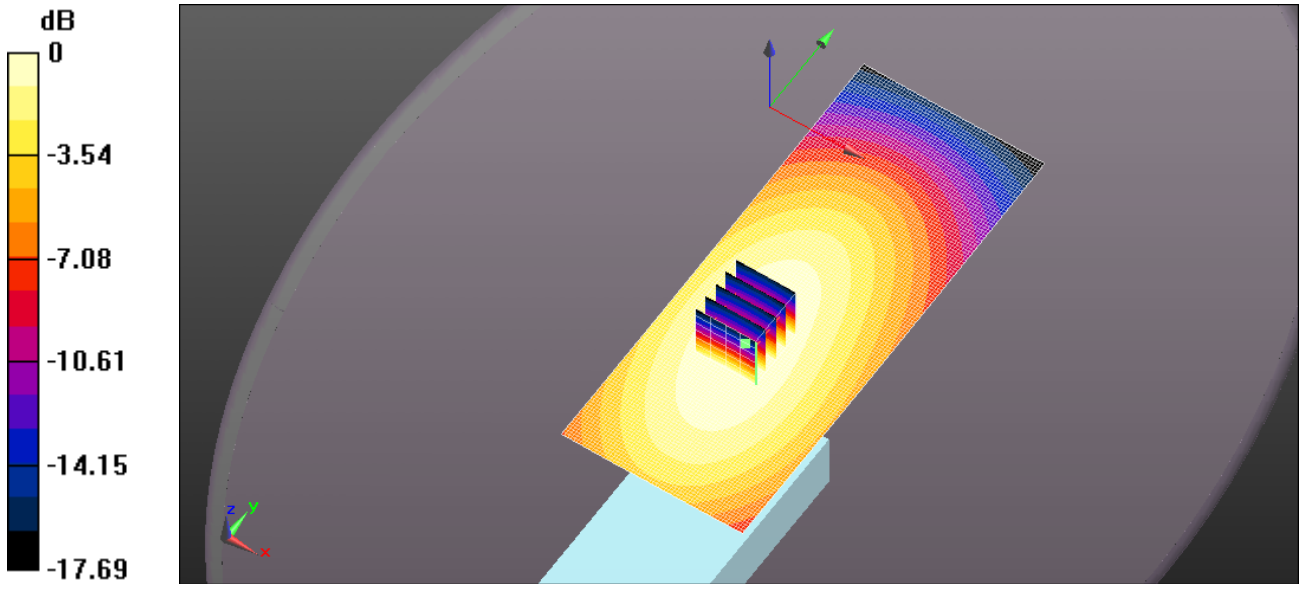
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.38 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 63.37 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 4.15 W/kg
**SAR(1 g) = 3.11 W/kg; SAR(10 g) = 2.27 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.38 W/kg




0 dB = 3.38 W/kg = 5.29 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S82US 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.844 S/m; $\varepsilon_r$ = 44.405; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

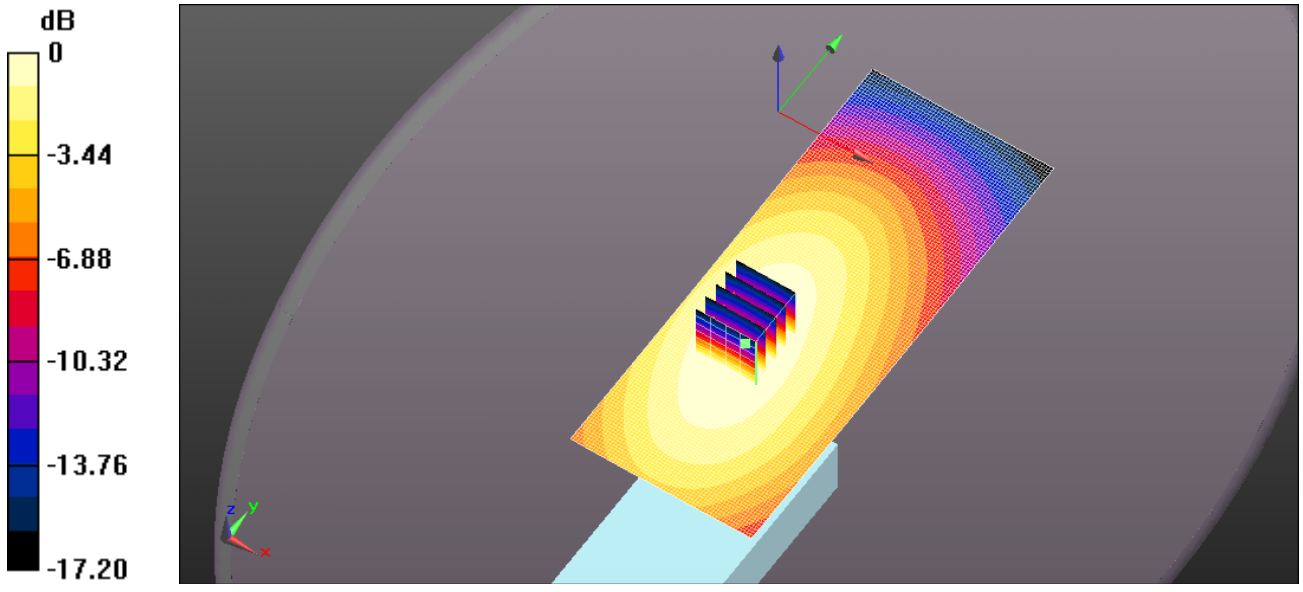
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.17 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 84.05 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 7.43 W/kg
**SAR(1 g) = 5.57 W/kg; SAR(10 g) = 4.1 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.08 W/kg




0 dB = 6.17 W/kg = 7.90 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S82US 470MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: f = 470 MHz; $\sigma$ = 0.864 S/m; $\varepsilon_r$ = 43.903; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

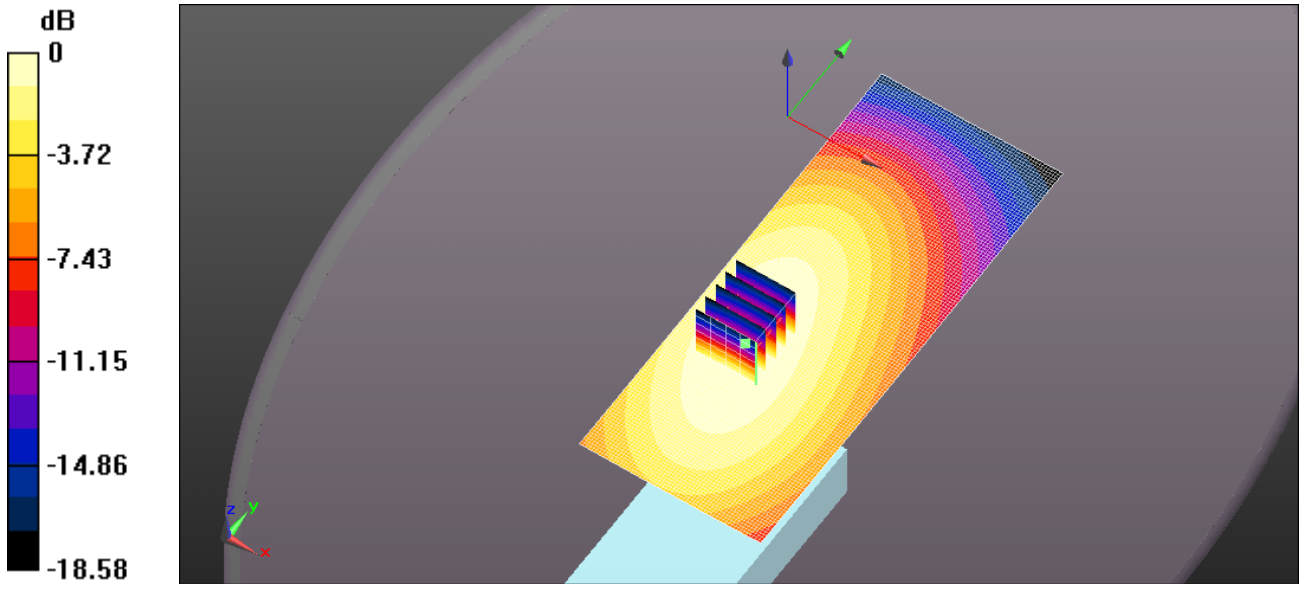
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.32 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 66.76 V/m; Power Drift = -0.26 dB
Peak SAR (extrapolated) = 5.26 W/kg
**SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.83 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.29 W/kg




0 dB = 4.32 W/kg = 6.36 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S82US 490MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: f = 490 MHz; $\sigma$ = 0.883 S/m; $\varepsilon_r$ = 43.443; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

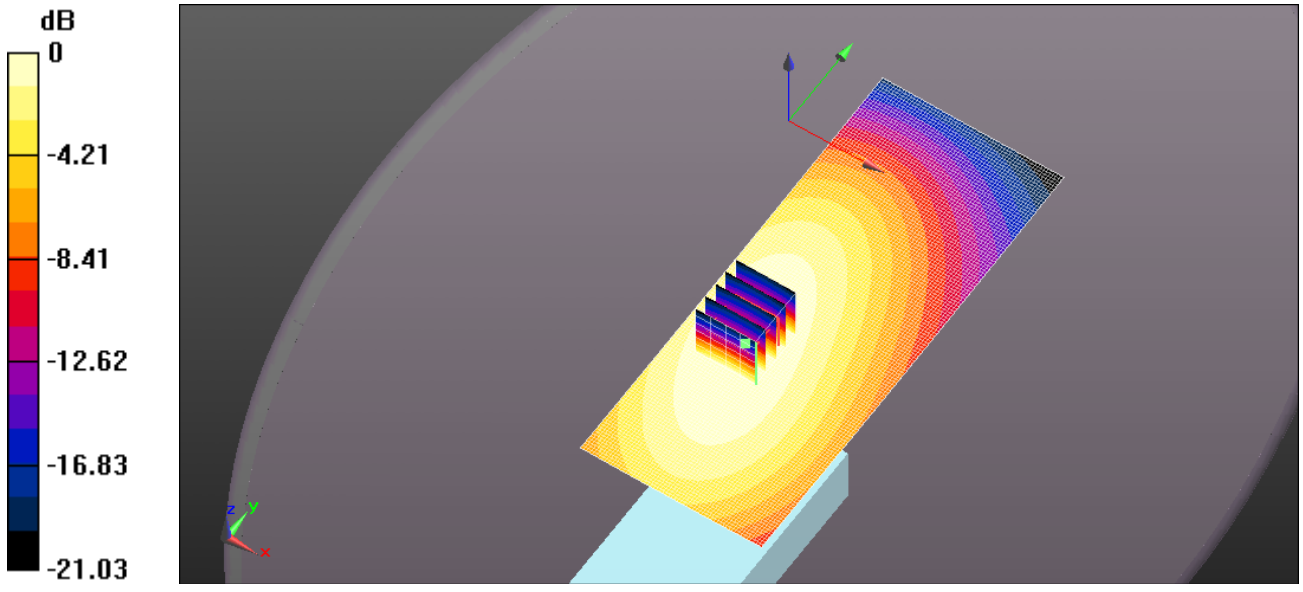
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.04 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 52.48 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.72 W/kg
**SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.98 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.03 W/kg




0 dB = 3.04 W/kg = 4.83 dBW/kg

Test Laboratory: Ultratech Group of Labs

**File Name: ICOM-442Q BP-284 FA-S83US 470MHz.da52:0**

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: f = 470 MHz; $\sigma$ = 0.864 S/m; $\varepsilon_r$ = 43.903; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

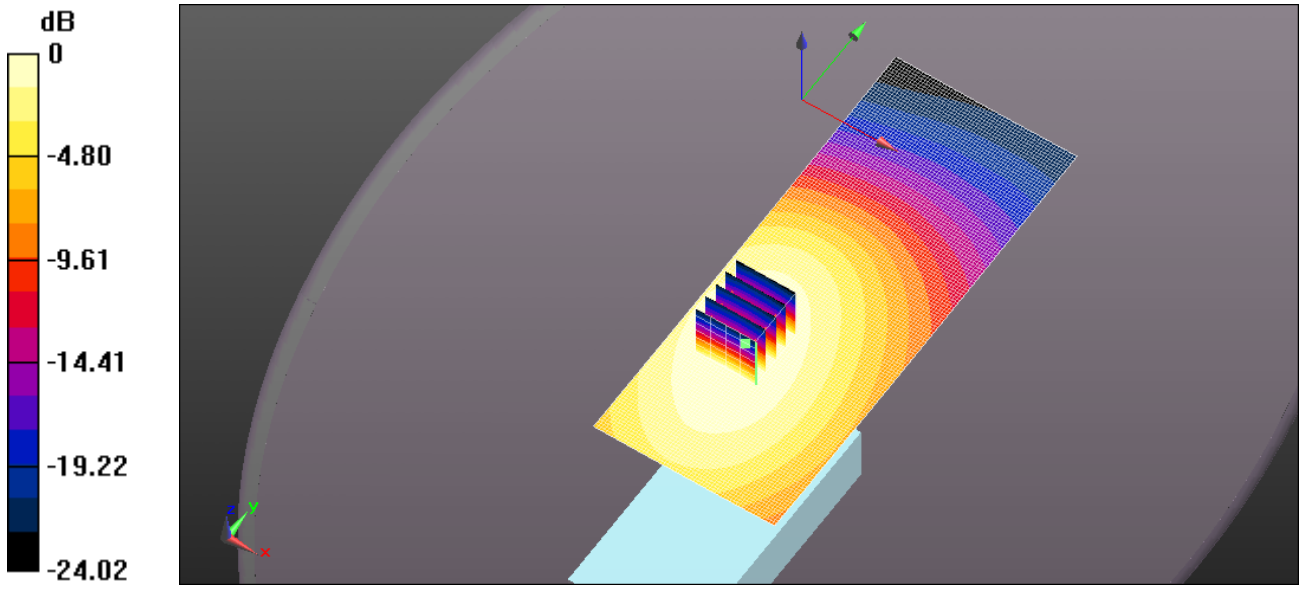
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.81 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 67.06 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 5.77 W/kg
**SAR(1 g) = 4.2 W/kg; SAR(10 g) = 3.08 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.71 W/kg




0 dB = 4.81 W/kg = 6.82 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S83US 490MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: f = 490 MHz; $\sigma$ = 0.883 S/m; $\varepsilon_r$ = 43.443; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

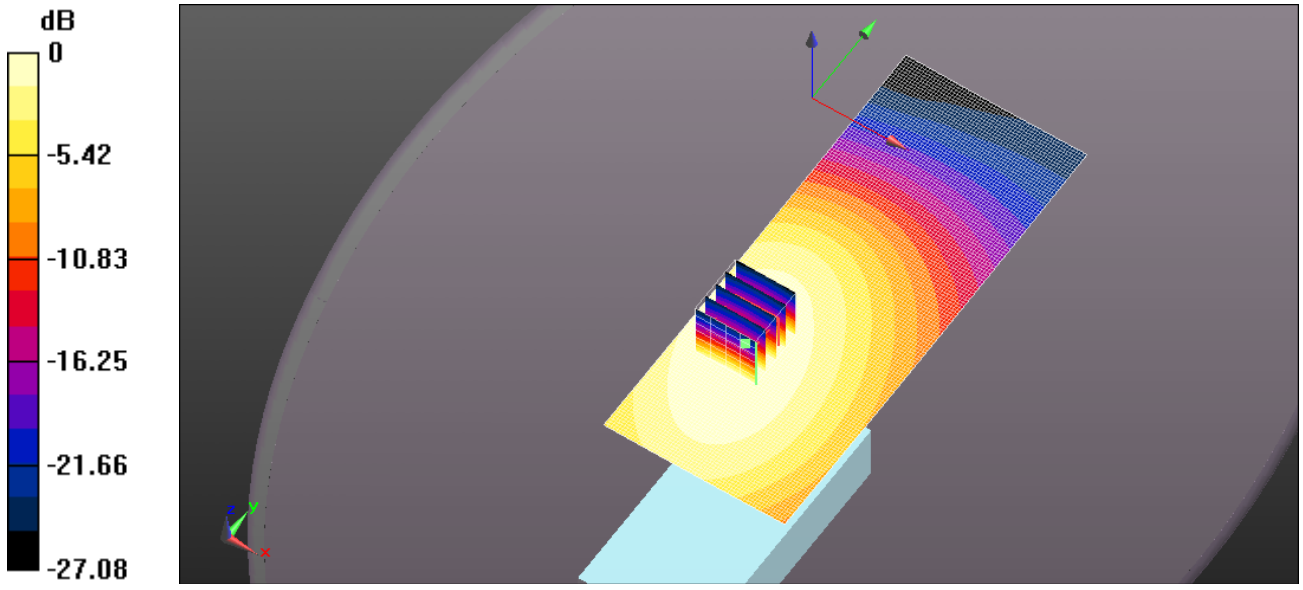
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.11 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.79 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 2.56 W/kg
**SAR(1 g) = 1.88 W/kg; SAR(10 g) = 1.39 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.11 W/kg




0 dB = 2.11 W/kg = 3.23 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S83US 512MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.901 S/m; $\varepsilon_r$ = 42.991; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

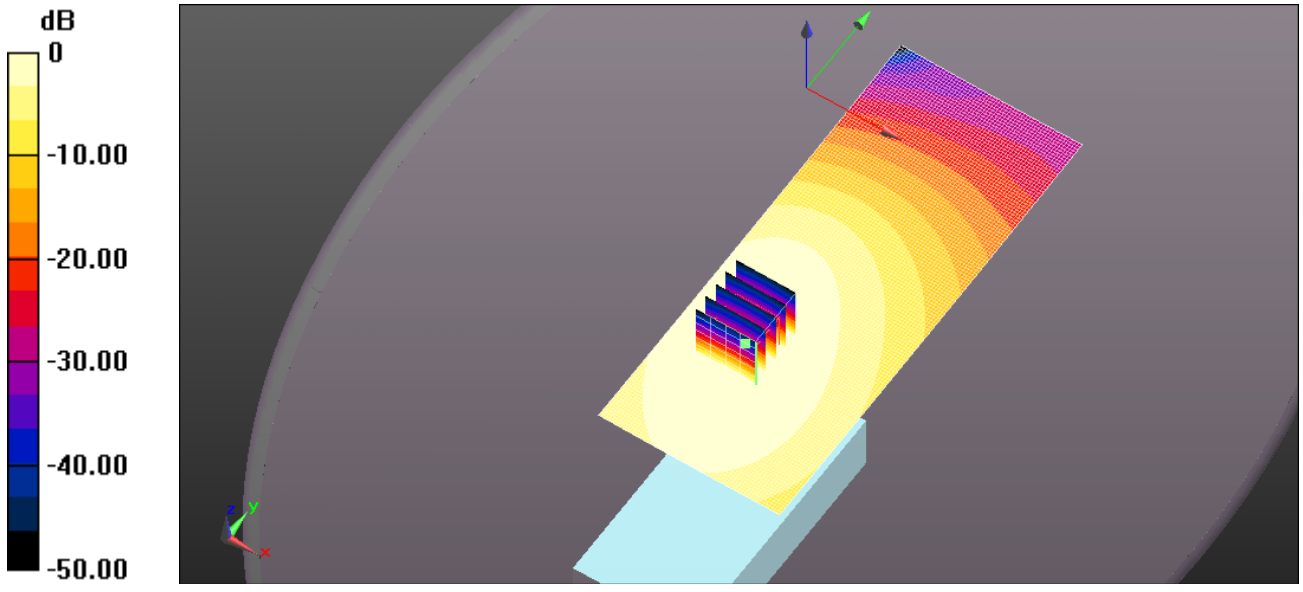
## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.99 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.68 W/kg
**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.855 W/kg** (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.32 W/kg




0 dB = 1.32 W/kg = 1.20 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 142MM 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.844 S/m; $\varepsilon_r$ = 44.405; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

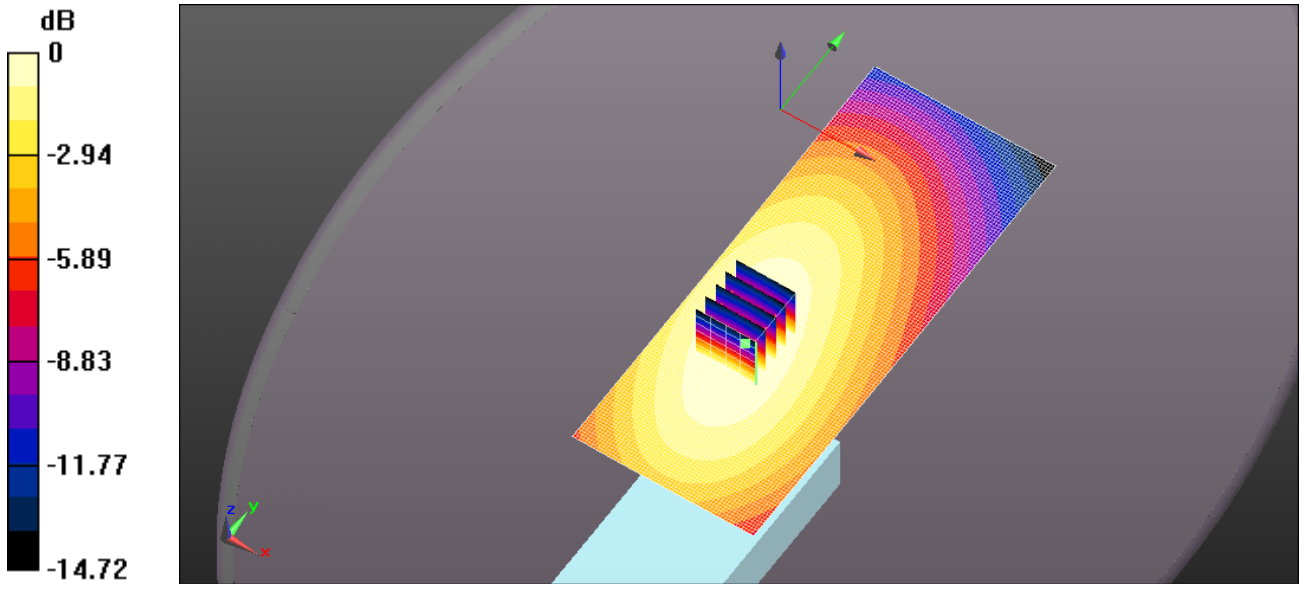
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.02 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.51 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 7.25 W/kg
**SAR(1 g) = 5.49 W/kg; SAR(10 g) = 4.05 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.97 W/kg




0 dB = 6.02 W/kg = 7.80 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 142MM 460MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; $\sigma$ = 0.854 S/m; $\varepsilon_r$ = 44.205; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

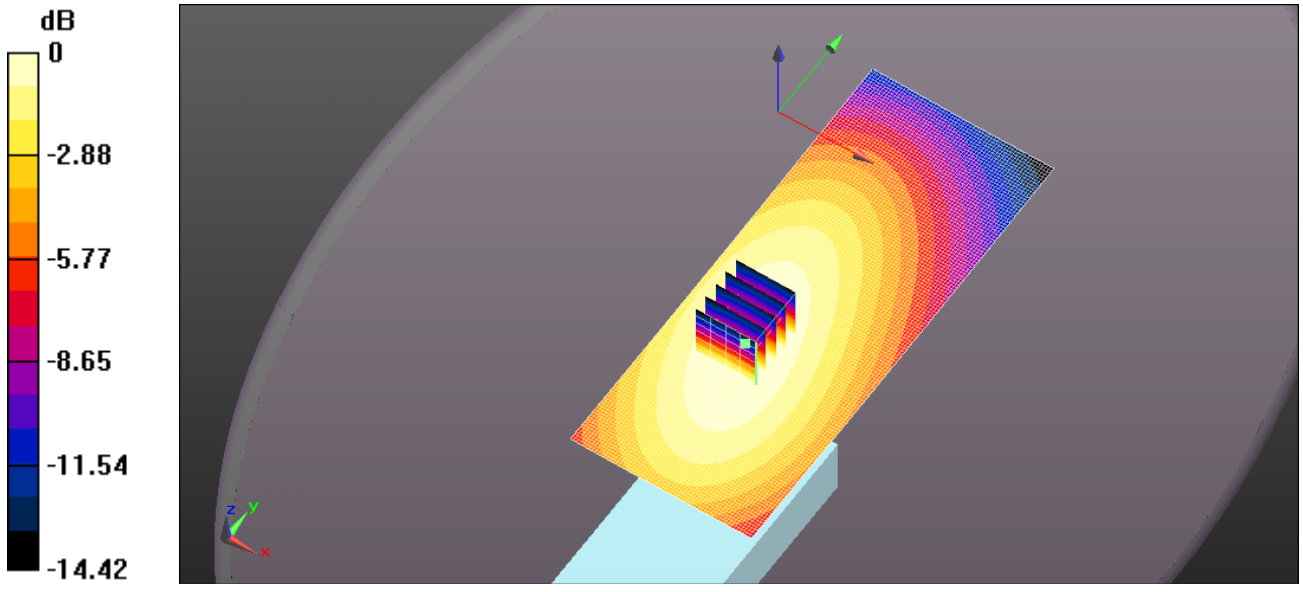
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.62 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 79.25 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 6.74 W/kg
**SAR(1 g) = 4.98 W/kg; SAR(10 g) = 3.69 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.56 W/kg




0 dB = 5.62 W/kg = 7.50 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 142MM 480MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; $\sigma$ = 0.874 S/m; $\varepsilon_r$ = 43.695; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

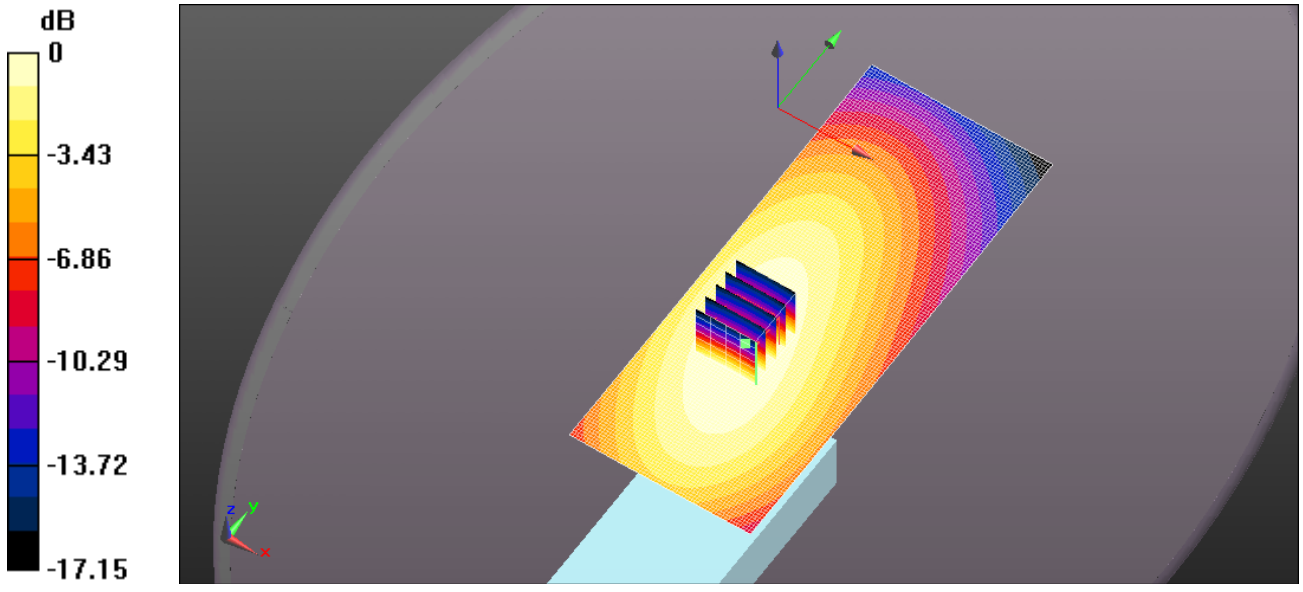
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.52 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.22 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 7.97 W/kg
**SAR(1 g) = 5.78 W/kg; SAR(10 g) = 4.23 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.47 W/kg




0 dB = 6.52 W/kg = 8.14 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 142MM 500MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 500 MHz; $\sigma$ = 0.892 S/m; $\varepsilon_r$ = 43.217; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

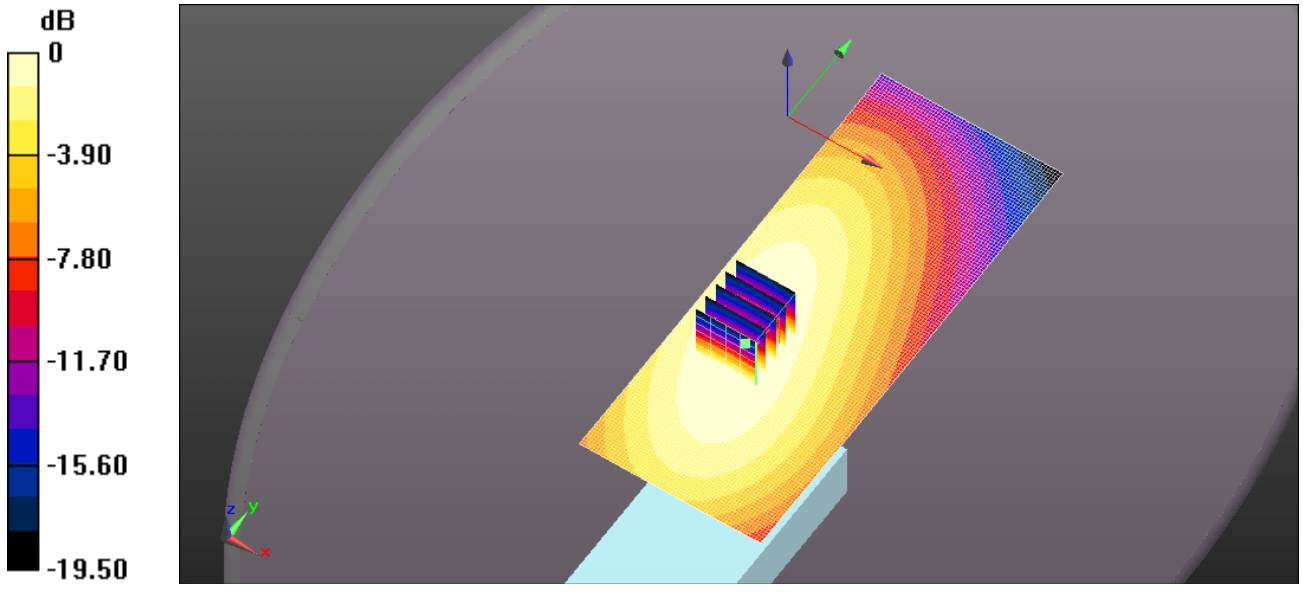
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.03 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 67.68 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 6.35 W/kg
**SAR(1 g) = 4.45 W/kg; SAR(10 g) = 3.23 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.01 W/kg




0 dB = 5.03 W/kg = 7.01 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 142MM 512MHZ.DA52:0*

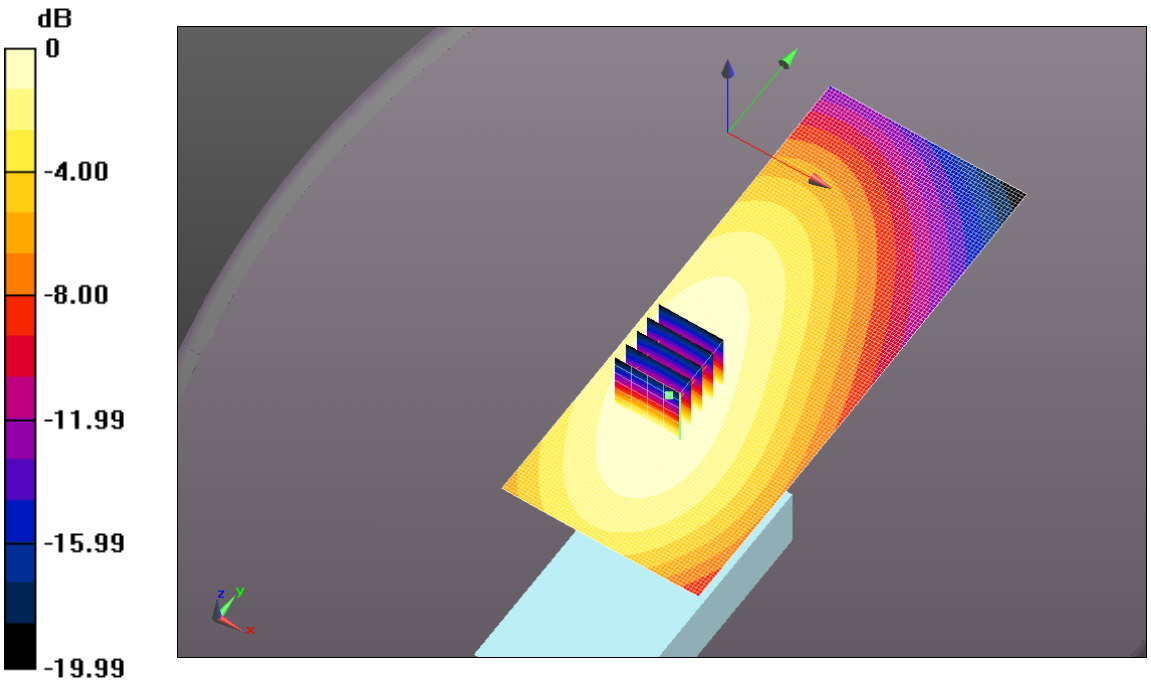
**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**
Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.901 S/m; $\varepsilon_r$ = 42.991; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.25 W/kg\

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 60.40 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 5.32 W/kg
**SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2.75 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.23 W/kg




0 dB = 4.25 W/kg = 6.28 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 136MM 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

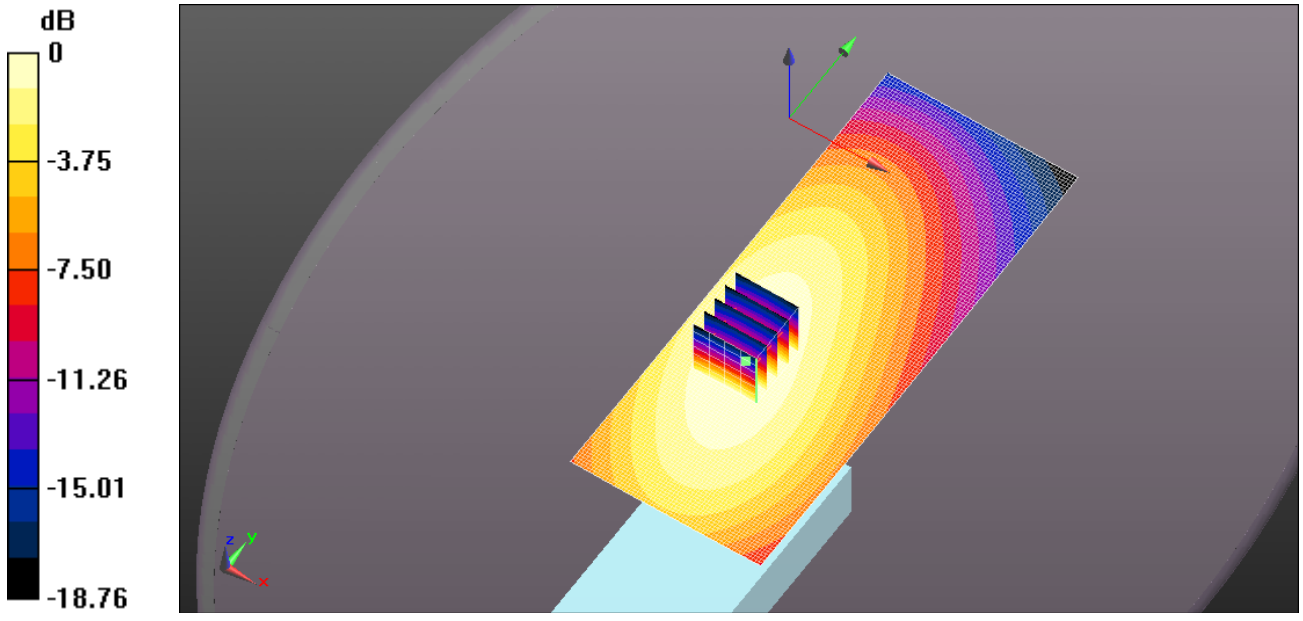
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.844 S/m; $\varepsilon_r$ = 44.405; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.8 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.6 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 13.2 W/kg
**SAR(1 g) = 9.82 W/kg; SAR(10 g) = 7.13 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.7 W/kg




0 dB = 10.8 W/kg = 10.35 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 136MM 460MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; $\sigma$ = 0.854 S/m; $\varepsilon_r$ = 44.205; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

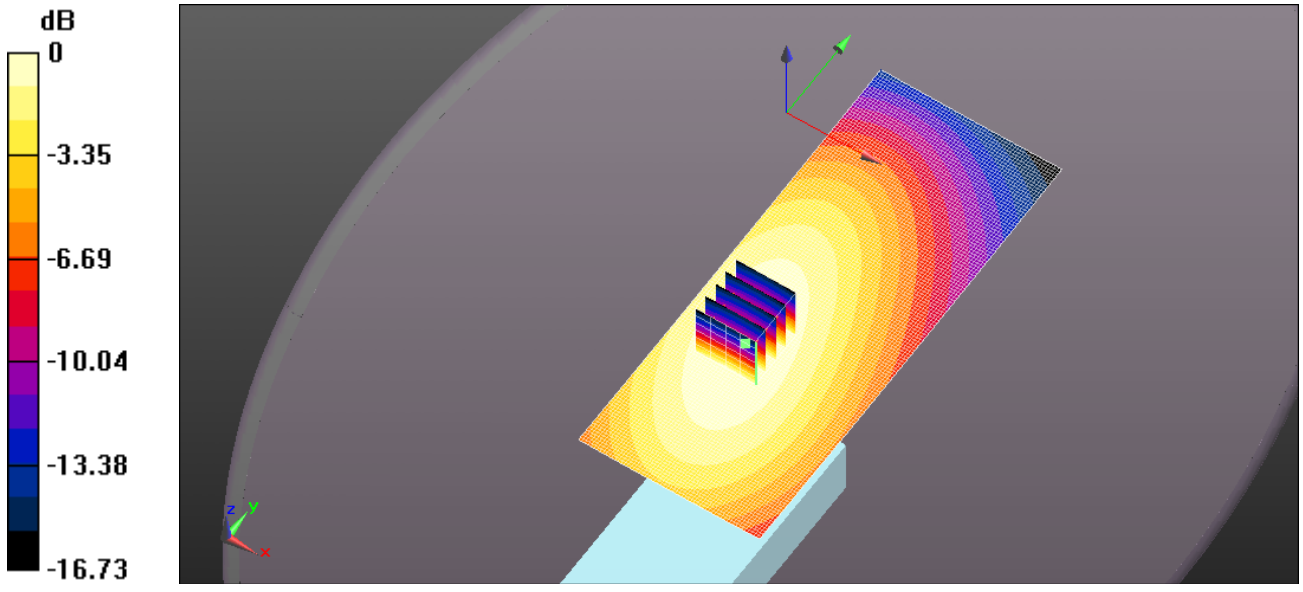
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.35 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 86.81 V/m; Power Drift = -0.25 dB
Peak SAR (extrapolated) = 8.92 W/kg
**SAR(1 g) = 6.48 W/kg; SAR(10 g) = 4.79 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.26 W/kg




0 dB = 7.35 W/kg = 8.66 dBW/kg

Test Laboratory: Ultratech Group of Labs

**File Name: ICOM-442Q BP-284 FA-S76UC 136mm 480MHz.da52:0**

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; $\sigma$ = 0.874 S/m; $\varepsilon_r$ = 43.695; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

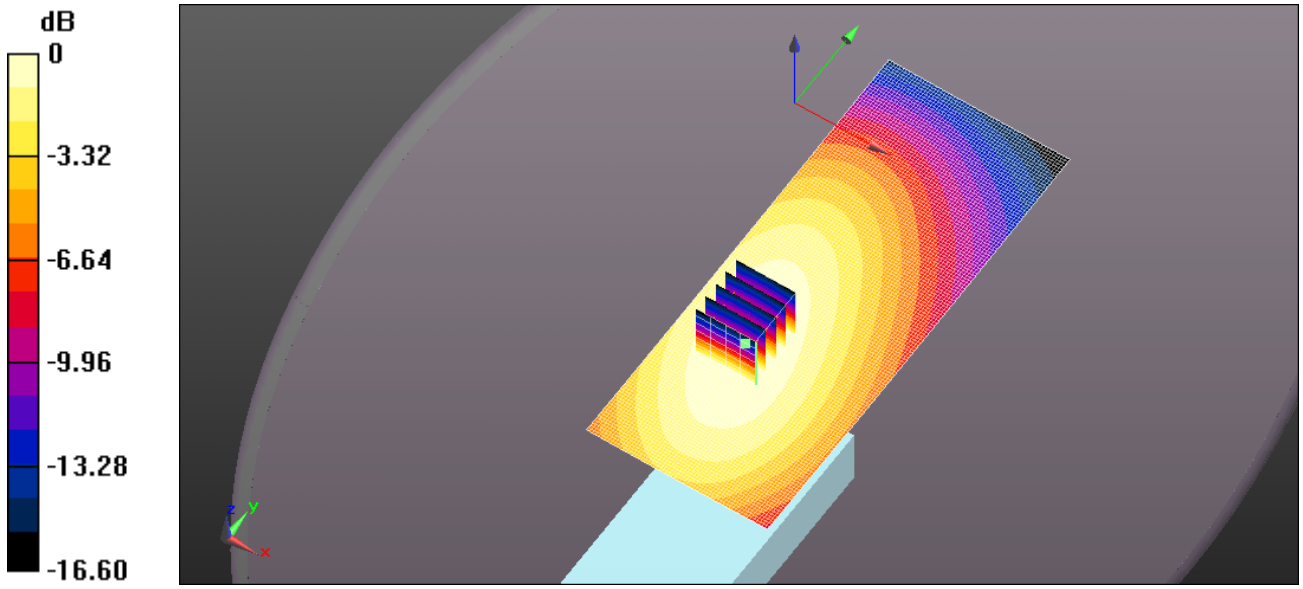
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.07 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 79.37 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 7.21 W/kg
**SAR(1 g) = 5.29 W/kg; SAR(10 g) = 3.91 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.92 W/kg




0 dB = 6.07 W/kg = 7.83 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 136MM 500MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 500 MHz; $\sigma$ = 0.892 S/m; $\varepsilon_r$ = 43.217; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

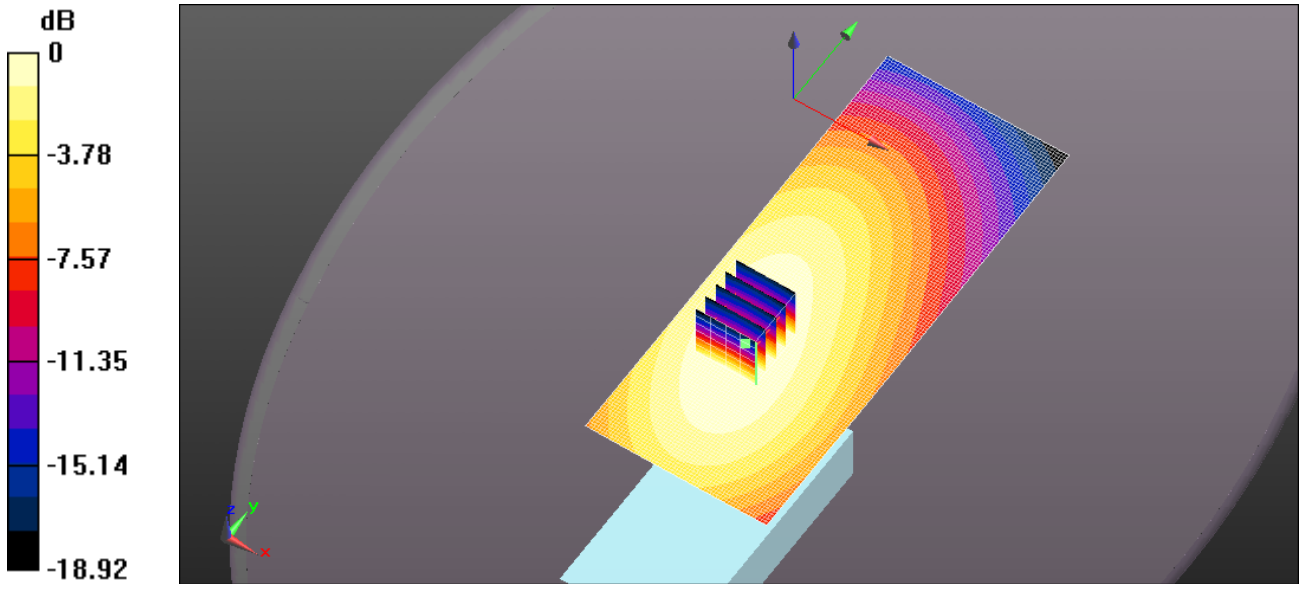
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.48 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 80.49 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 7.97 W/kg
**SAR(1 g) = 5.72 W/kg; SAR(10 g) = 4.21 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.42 W/kg




0 dB = 6.48 W/kg = 8.12 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 136MM 512MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.901 S/m; $\varepsilon_r$ = 42.991; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

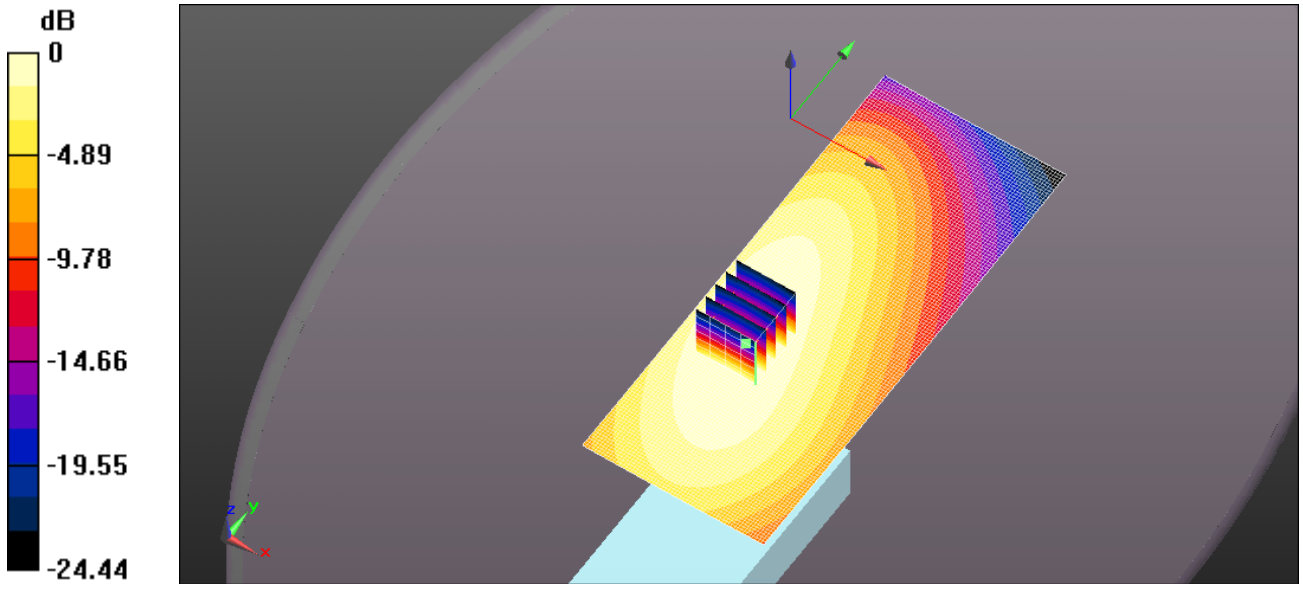
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.94 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 81.40 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 9.97 W/kg
**SAR(1 g) = 7.03 W/kg; SAR(10 g) = 5.09 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.93 W/kg




0 dB = 7.94 W/kg = 9.00 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 129MM 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

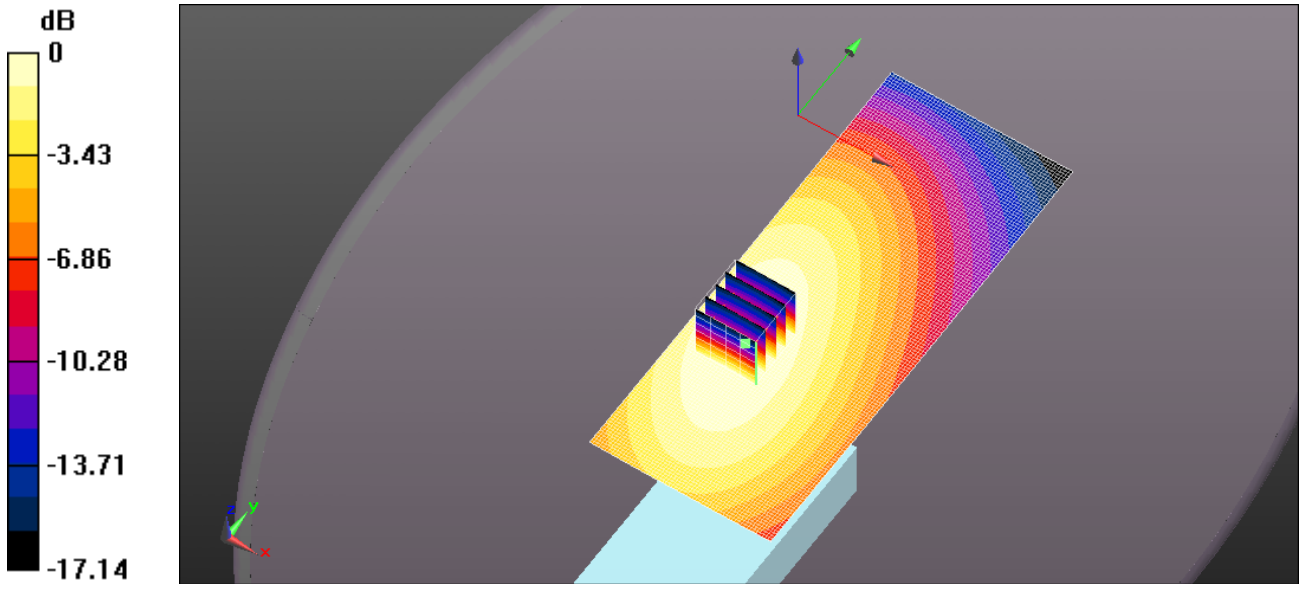
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.844 S/m; $\varepsilon_r$ = 44.405; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.86 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 87.43 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 9.43 W/kg
**SAR(1 g) = 7.26 W/kg; SAR(10 g) = 5.39 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.85 W/kg




0 dB = 7.86 W/kg = 8.96 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 129MM 460MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; $\sigma$ = 0.854 S/m; $\varepsilon_r$ = 44.205; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

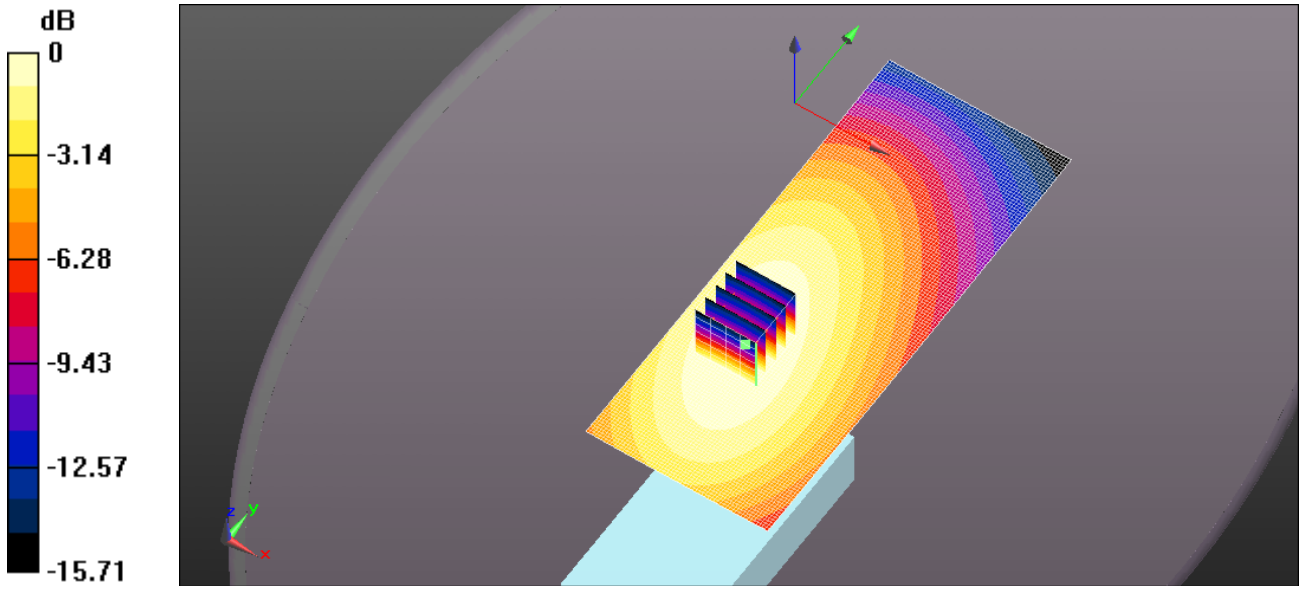
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.82 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 84.45 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 8.02 W/kg
**SAR(1 g) = 6.03 W/kg; SAR(10 g) = 4.5 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.71 W/kg




0 dB = 6.82 W/kg = 8.34 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 129MM 480MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; $\sigma$ = 0.874 S/m; $\varepsilon_r$ = 43.695; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

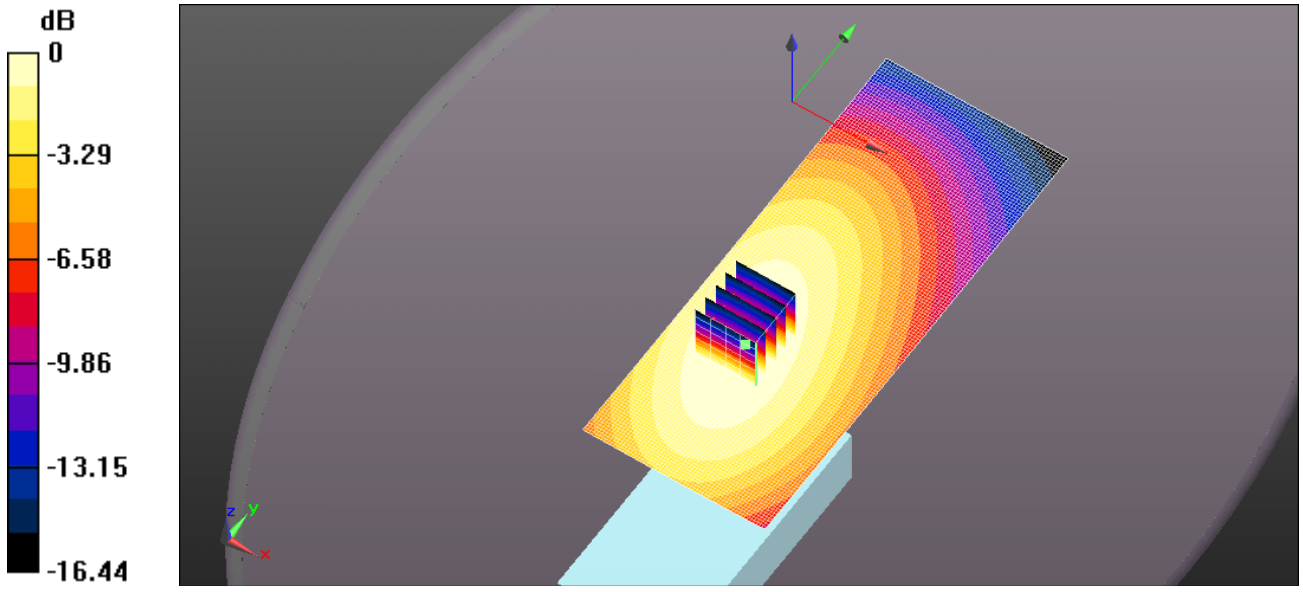
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.73 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 76.62 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 6.81 W/kg
**SAR(1 g) = 5.07 W/kg; SAR(10 g) = 3.77 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.66 W/kg




0 dB = 5.73 W/kg = 7.58 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 129MM 500MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 500 MHz; $\sigma$ = 0.892 S/m; $\varepsilon_r$ = 43.217; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

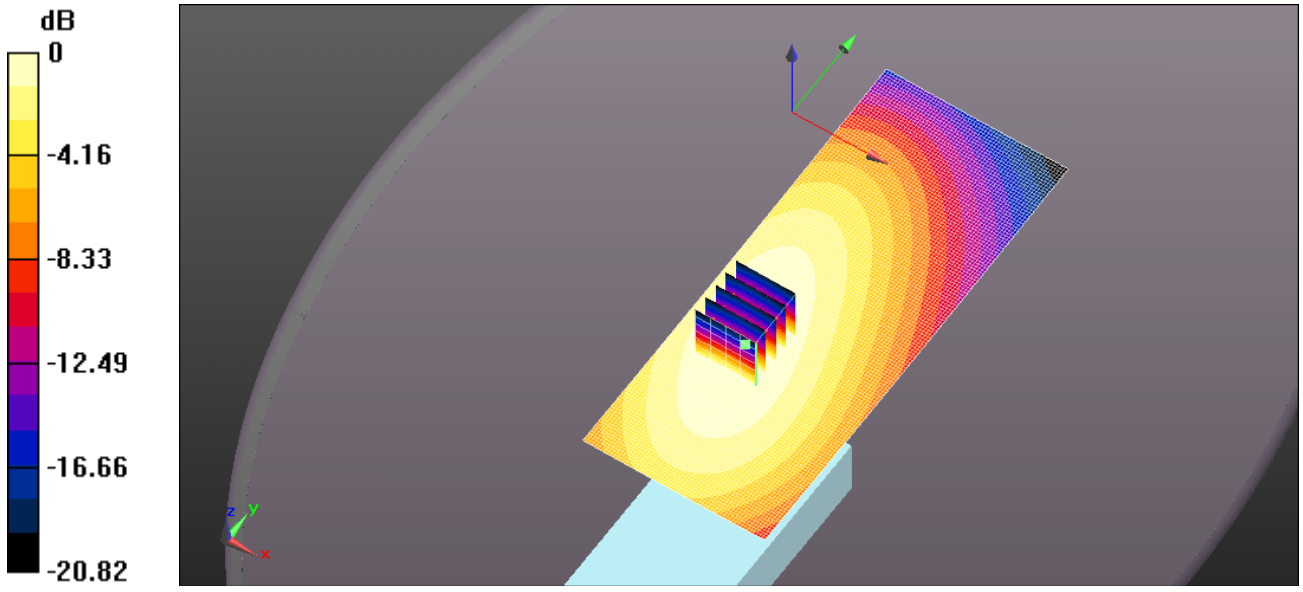
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.60 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.47 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 9.29 W/kg
**SAR(1 g) = 6.63 W/kg; SAR(10 g) = 4.86 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.44 W/kg




0 dB = 7.60 W/kg = 8.81 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 129MM 512MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.901 S/m; $\varepsilon_r$ = 42.991; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

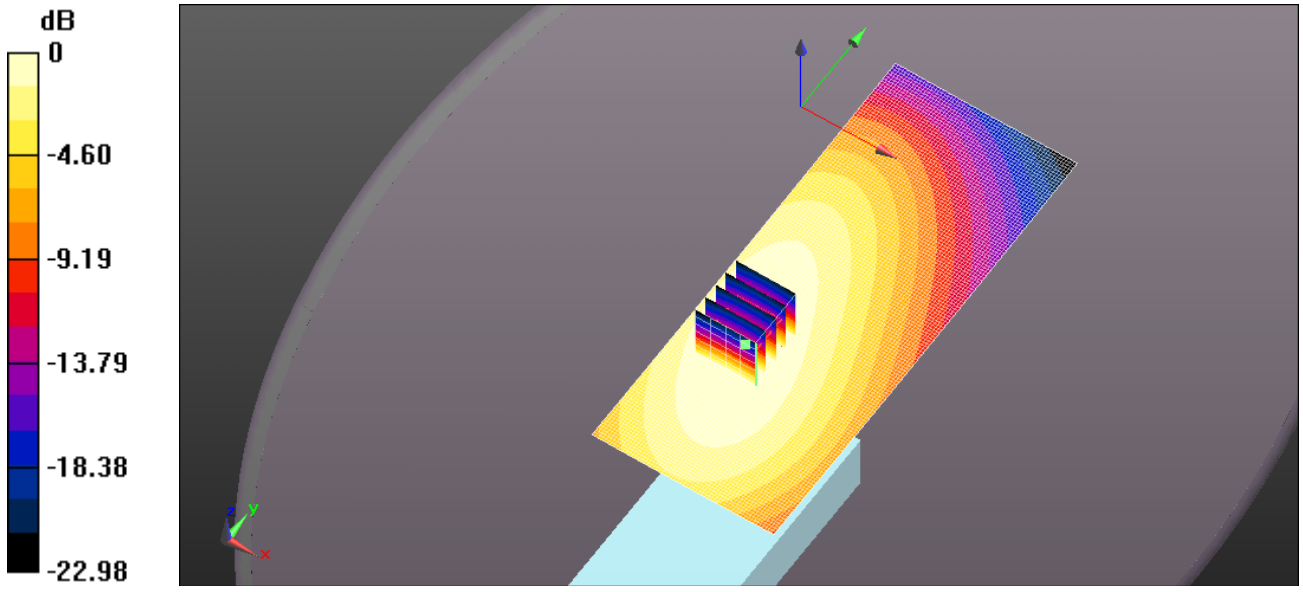
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.74 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 75.68 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 8.36 W/kg
**SAR(1 g) = 5.99 W/kg; SAR(10 g) = 4.38 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.73 W/kg




0 dB = 6.74 W/kg = 8.29 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 125MM 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.844 S/m; $\varepsilon_r$ = 44.405; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

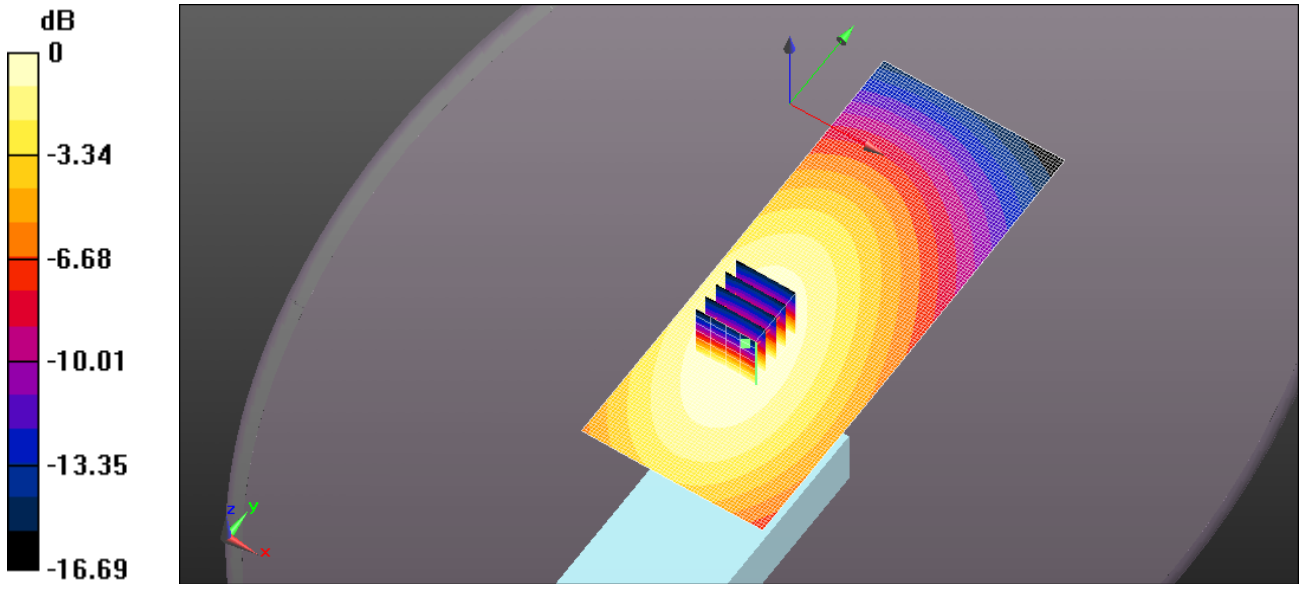
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.11 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 88.14 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 8.22 W/kg
**SAR(1 g) = 6.34 W/kg; SAR(10 g) = 4.72 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.87 W/kg




0 dB = 7.11 W/kg = 8.52 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 125MM 460MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; $\sigma$ = 0.854 S/m; $\varepsilon_r$ = 44.205; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

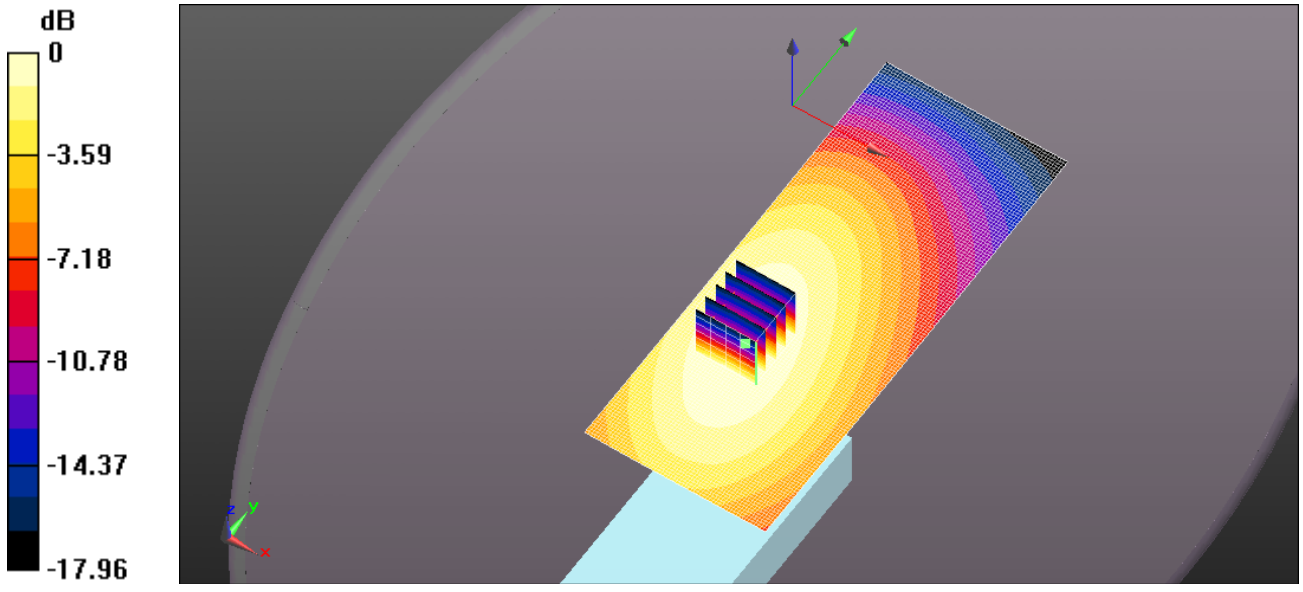
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.51 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 90.03 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 8.45 W/kg
**SAR(1 g) = 6.29 W/kg; SAR(10 g) = 4.66 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.01 W/kg




0 dB = 7.51 W/kg = 8.76 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 125MM 480MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; $\sigma$ = 0.874 S/m; $\varepsilon_r$ = 43.695; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

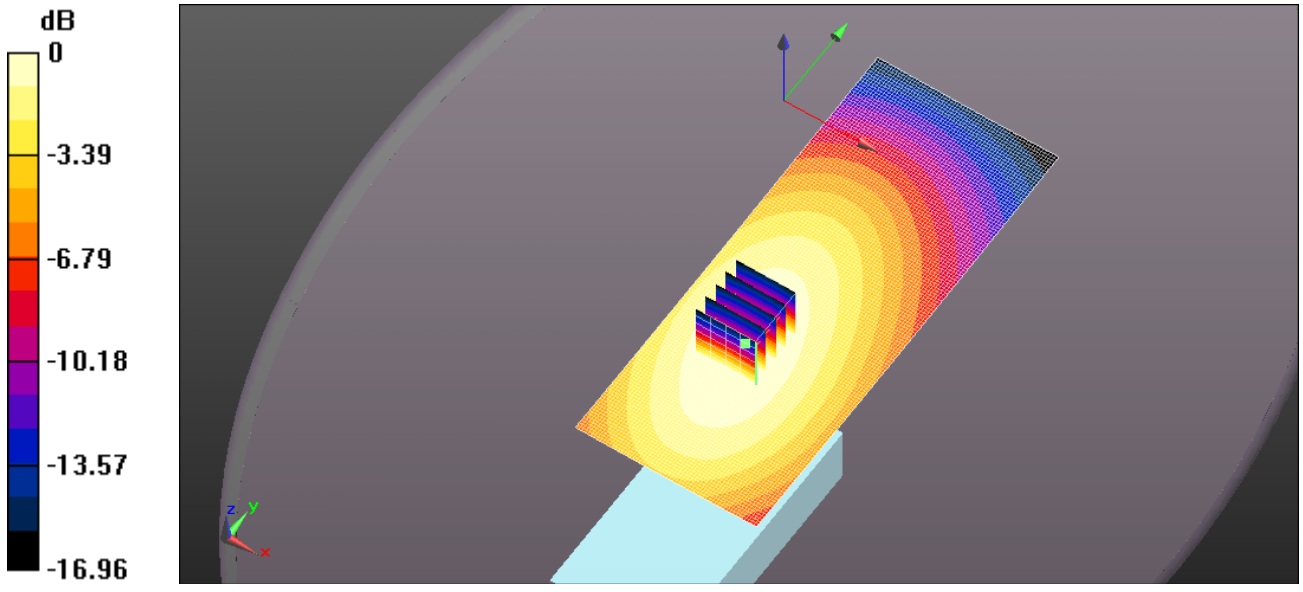
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.91 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 74.80 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 5.60 W/kg
**SAR(1 g) = 4.18 W/kg; SAR(10 g) = 3.11 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.65 W/kg




0 dB = 4.91 W/kg = 6.91 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-284 FA-S76UC 125MM 500MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 500 MHz; $\sigma$ = 0.892 S/m; $\varepsilon_r$ = 43.217; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

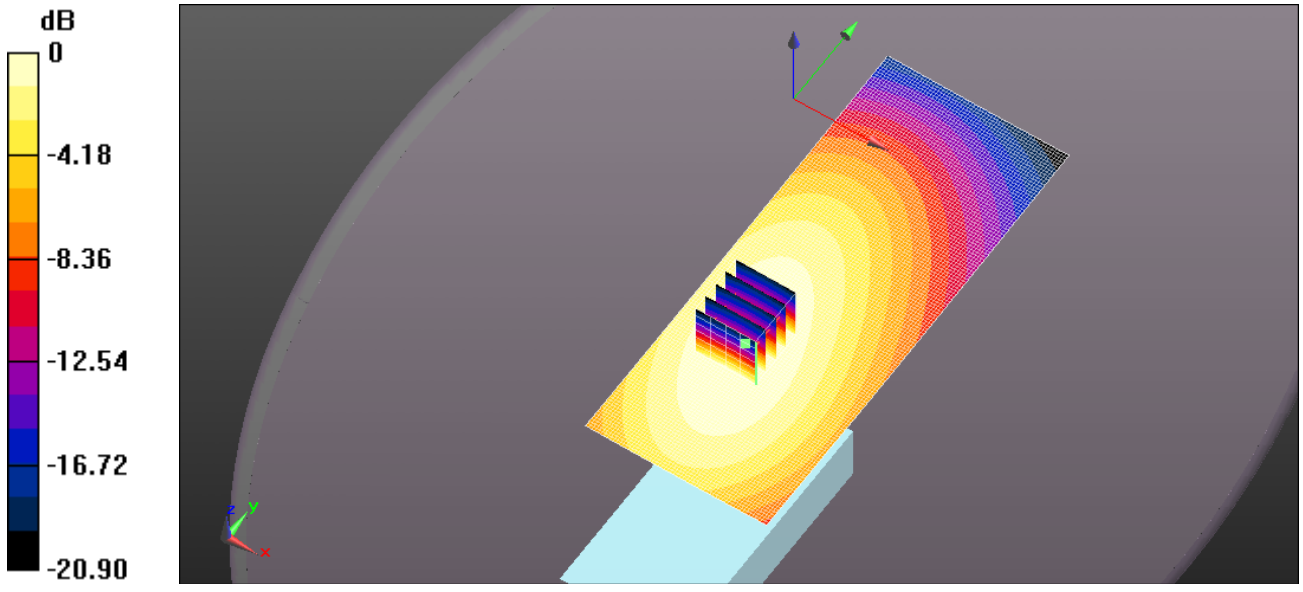
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.58 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 85.46 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 9.30 W/kg
**SAR(1 g) = 6.66 W/kg; SAR(10 g) = 4.9 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.47 W/kg




0 dB = 7.58 W/kg = 8.80 dBW/kg

Test Laboratory: Ultratech Group of Labs

**File Name: ICOM-442Q BP-284 FA-S76UC 125mm 512MHz.da52:0**

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.901 S/m; $\varepsilon_r$ = 42.991; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

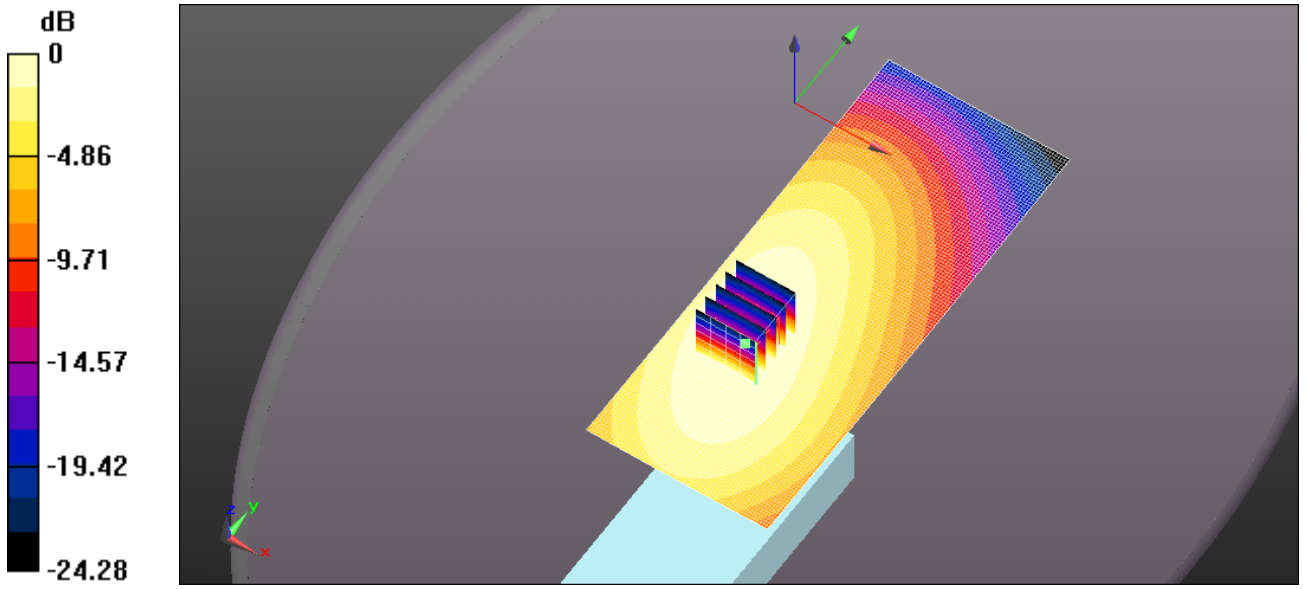
- Probe: ES3DV3 - SN3250; ConvF(7.07, 7.07, 7.07); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.04 W/kg

## Configuration_Head_IC-F4400DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 89.26 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 11.2 W/kg
**SAR(1 g) = 7.99 W/kg; SAR(10 g) = 5.83 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.98 W/kg




0 dB = 9.04 W/kg = 9.56 dBW/kg

# EXHIBIT 2. BODY SAR MEASUREMENT SUMMARY

| Antenna | Power (W) | CH | CH. Freq | BODY SAR1g (W/Kg) | BODY SAR10g (W/Kg) |
|---|---|---|---|---|---|
| | | | | BP-283 | BP-283 |
| | | | (MHz) | 2010mAh | 2010mAh |
| FA-S82U 430-480 MHz | 5.24 | 1 | 450 | 6.35 | 4.63 |
| | 5.15 | 3 | 470 | 5.46 | 4.03 |
| | 5.16 | 4 | 480 | 4.14 | 3.04 |
| FA-S82US 450-490 MHz | 5.24 | 1 | 450 | 7.87 | 5.70 |
| | 5.15 | 3 | 470 | 6.07 | 4.45 |
| | 5.17 | 5 | 490 | 3.05 | 2.24 |
| FA-S83U 470-520 MHz | 5.15 | 3 | 470 | 9.19 | 6.76 |
| | 5.17 | 5 | 490 | 9.43 | 6.94 |
| | 5.10 | 10 | 512 | 7.55 | 5.55 |
| **Cut Antenna** | **Power (dBm)** | **CH** | **CH. Freq** | **BODY 1g (W/Kg)** | **BODY SAR10g (W/Kg)** |
| | | | | BP-283 | BP-283 |
| | | | (MHz) | 2010mAh | 2010mAh |
| FA-S76UC 360-520 MHz 142mm 460MHz | 5.24 | 1 | 450 | 7.48 | 5.44 |
| | 5.21 | 2 | 460 | 7.02 | 5.16 |
| | 5.16 | 4 | 480 | 6.18 | 4.52 |
| | 5.11 | 7 | 500 | 5.37 | 3.92 |
| | 5.10 | 10 | 512 | 5.11 | 3.75 |
| FA-S76UC 360-520 MHz 136mm 480MHz | 5.24 | 1 | 450 | 9.47 | 6.70 |
| | 5.21 | 2 | 460 | 8.49 | 6.24 |
| | 5.16 | 4 | 480 | 7.99 | 5.85 |
| | 5.11 | 7 | 500 | 7.90 | 5.79 |
| | 5.10 | 10 | 512 | 7.24 | 5.31 |
| FA-S76UC 360-520 MHz 129mm 500MHz | 5.24 | 1 | 450 | 9.34 | 6.79 |
| | 5.21 | 2 | 460 | 8.50 | 6.25 |
| | 5.16 | 4 | 480 | 8.32 | 6.09 |
| | 5.11 | 7 | 500 | 9.23 | 6.75 |
| | 5.10 | 10 | 512 | 8.80 | 6.44 |
| FA-S76UC 360-520 MHz 125mm 520MHz | 5.24 | 1 | 450 | 8.65 | 6.31 |
| | 5.21 | 2 | 460 | 7.81 | 5.76 |
| | 5.16 | 4 | 480 | 8.13 | 5.97 |
| | 5.11 | 7 | 500 | 9.92 | 7.27 |
| | 5.10 | 10 | 512 | 10.40 | 7.61 |

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S82U 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

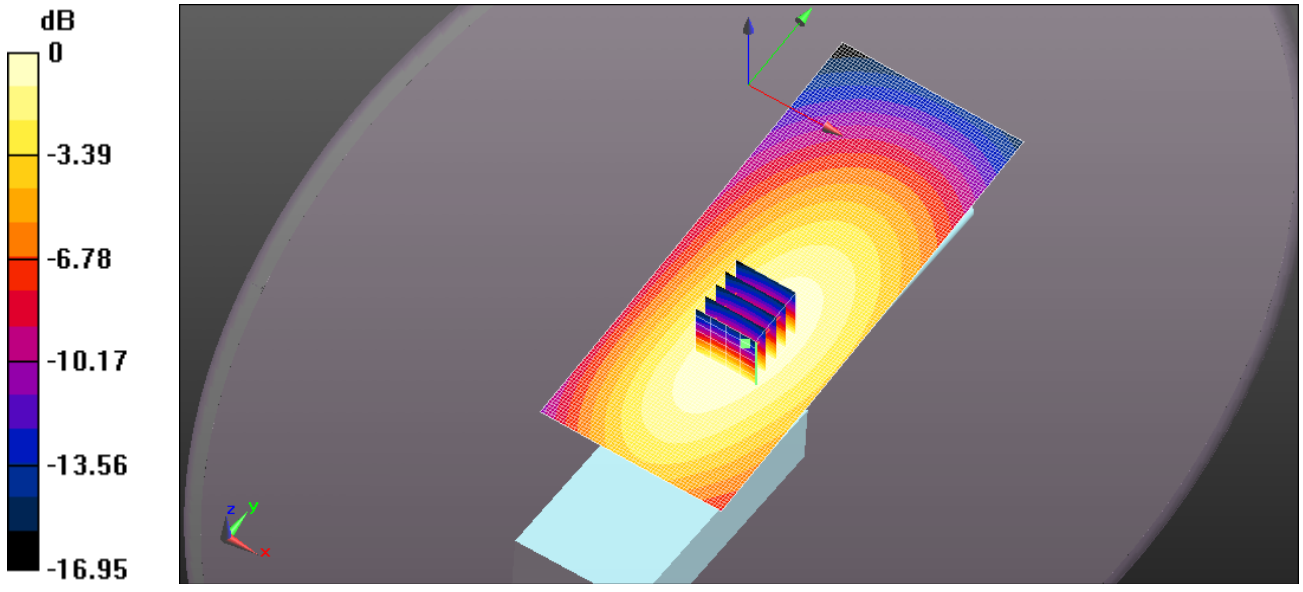
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.91 S/m; $\varepsilon_r$ = 56.998; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.97 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 92.35 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 8.59 W/kg
**SAR(1 g) = 6.35 W/kg; SAR(10 g) = 4.63 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.89 W/kg




0 dB = 6.97 W/kg = 8.43 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S82U 460MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; $\sigma$ = 0.92 S/m; $\varepsilon_r$ = 56.886; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

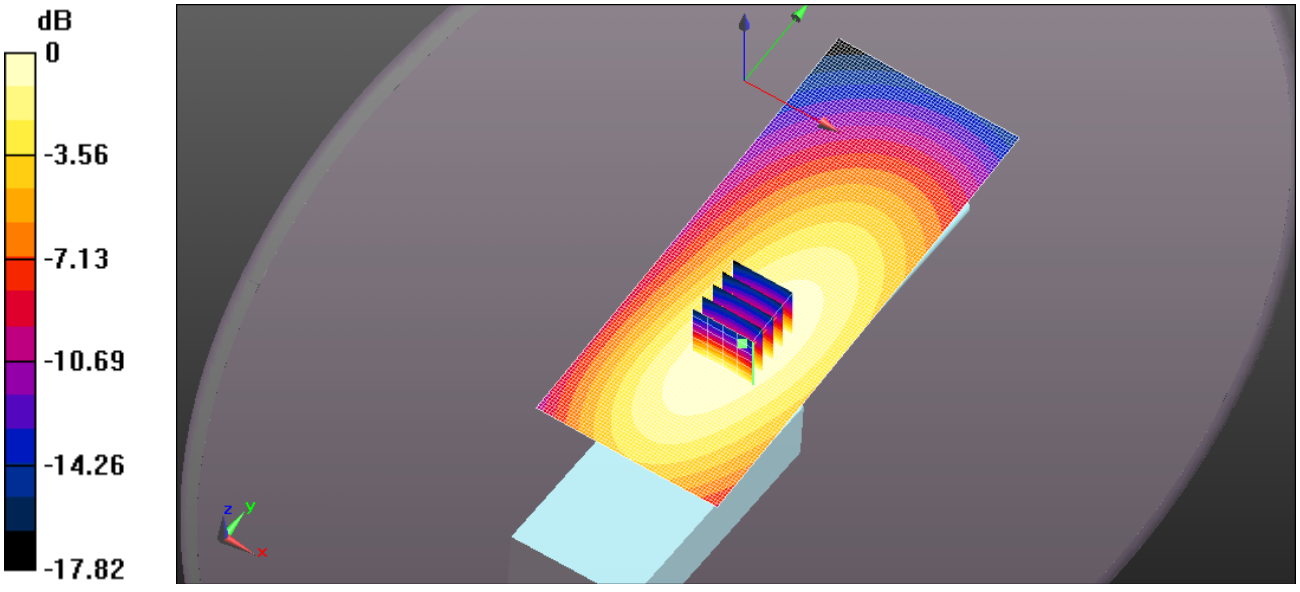
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.12 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 86.31 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 7.62 W/kg
**SAR(1 g) = 5.46 W/kg; SAR(10 g) = 4.02 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.11 W/kg




0 dB = 6.12 W/kg = 7.87 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S82U 480MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; $\sigma$ = 0.937 S/m; $\varepsilon_r$ = 56.627; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

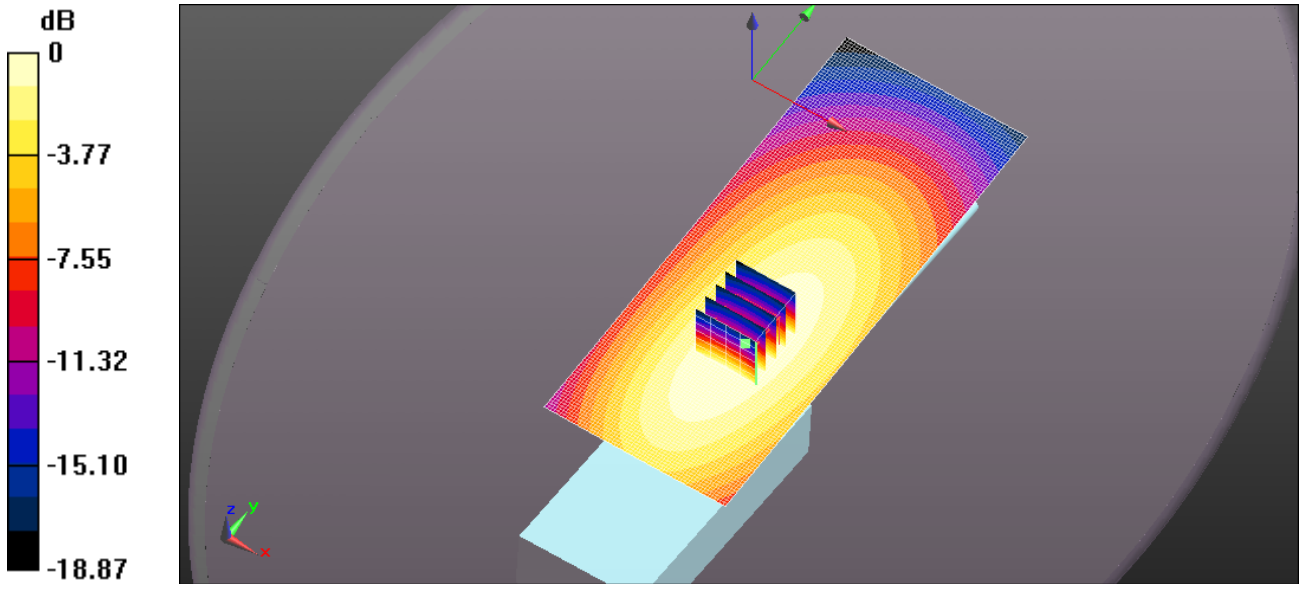
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.67 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 73.22 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 5.79 W/kg
**SAR(1 g) = 4.14 W/kg; SAR(10 g) = 3.04 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.65 W/kg




0 dB = 4.67 W/kg = 6.69 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S82US 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.91 S/m; $\varepsilon_r$ = 56.998; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

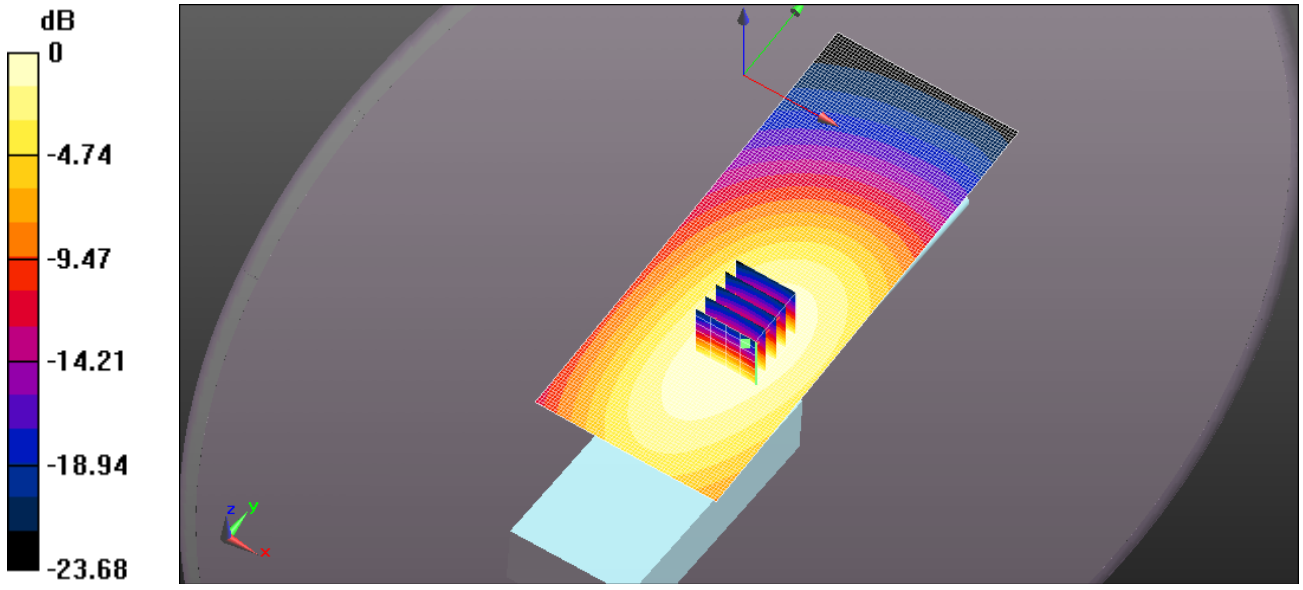
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.08 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 99.99 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 10.7 W/kg
**SAR(1 g) = 7.87 W/kg; SAR(10 g) = 5.7 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.58 W/kg




0 dB = 9.08 W/kg = 9.58 dBW/kg

Test Laboratory: Ultratech Group of Labs

**File Name: ICOM-442Q BP-283 FA-S82US 470MHz.da52:0**

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: f = 470 MHz; $\sigma$ = 0.928 S/m; $\varepsilon_r$ = 56.735; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

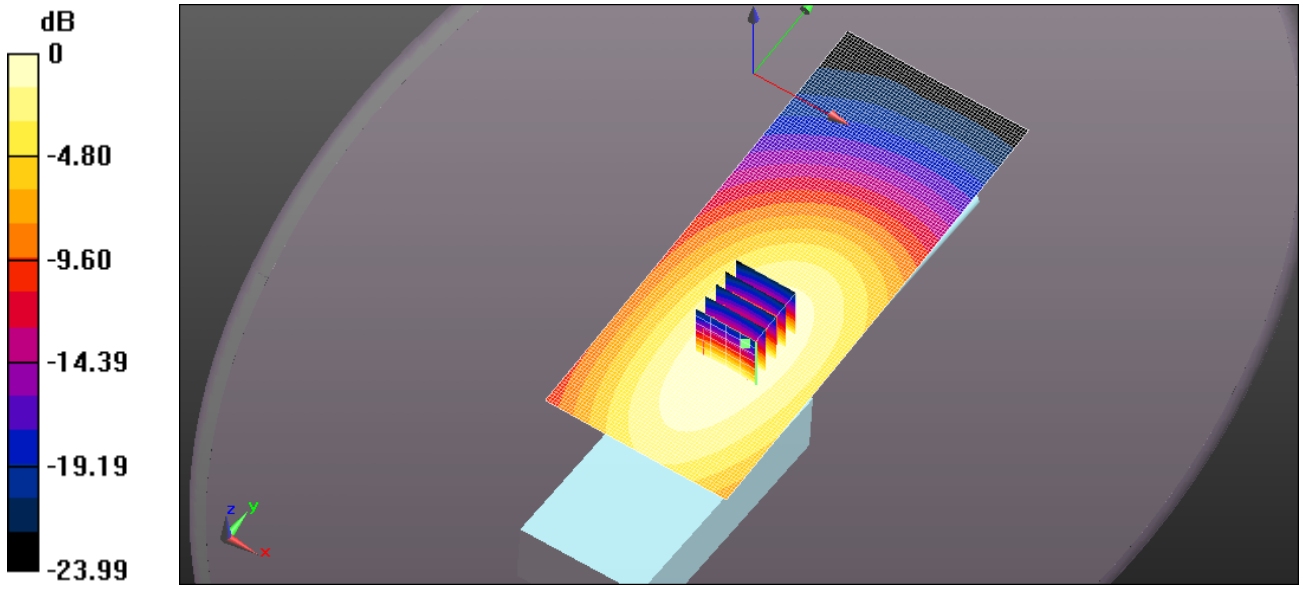
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.80 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 88.45 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 8.48 W/kg
**SAR(1 g) = 6.07 W/kg; SAR(10 g) = 4.45 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.80 W/kg




0 dB = 6.80 W/kg = 8.33 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S82US 490MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: f = 490 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 56.473; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

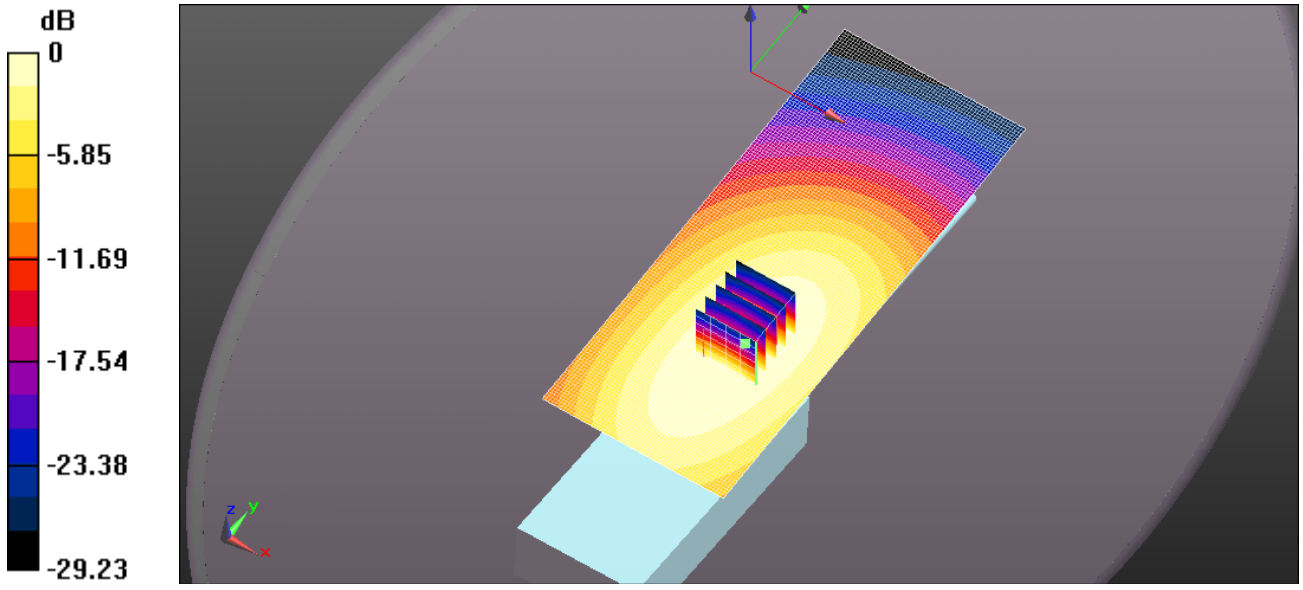
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.41 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 60.51 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 4.24 W/kg
**SAR(1 g) = 3.04 W/kg; SAR(10 g) = 2.24 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.42 W/kg




0 dB = 3.41 W/kg = 5.32 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S83U 470MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: f = 470 MHz; $\sigma$ = 0.928 S/m; $\varepsilon_r$ = 56.735; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

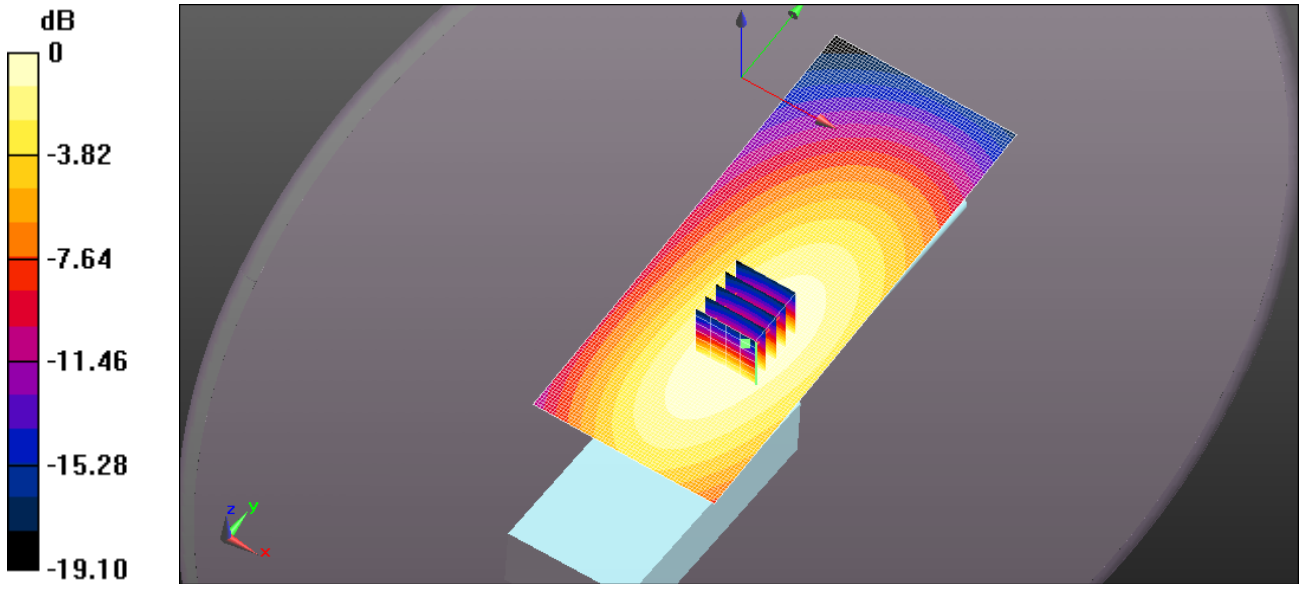
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.5 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 107.5 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 12.8 W/kg
**SAR(1 g) = 9.19 W/kg; SAR(10 g) = 6.76 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.3 W/kg




0 dB = 10.5 W/kg = 10.20 dBW/kg

Test Laboratory: Ultratech Group of Labs

**File Name: ICOM-442Q BP-283 FA-S83U 490MHz.da52:0**

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: f = 490 MHz; $\sigma$ = 0.944 S/m; $\varepsilon_r$ = 56.473; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

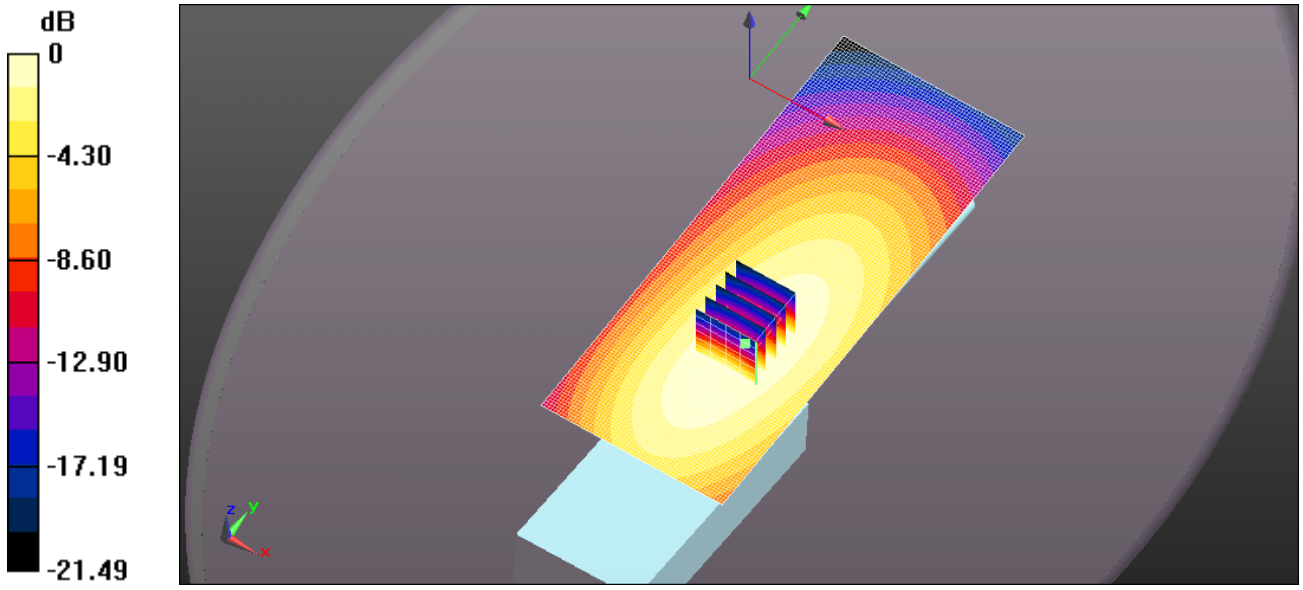
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.6 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 106.6 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 13.1 W/kg
**SAR(1 g) = 9.43 W/kg; SAR(10 g) = 6.94 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.6 W/kg




0 dB = 10.6 W/kg = 10.26 dBW/kg

Test Laboratory: Ultratech Group of Labs

**File Name: ICOM-442Q BP-283 FA-S83U 512MHz.da52:0**

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.962 S/m; $\varepsilon_r$ = 56.248; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

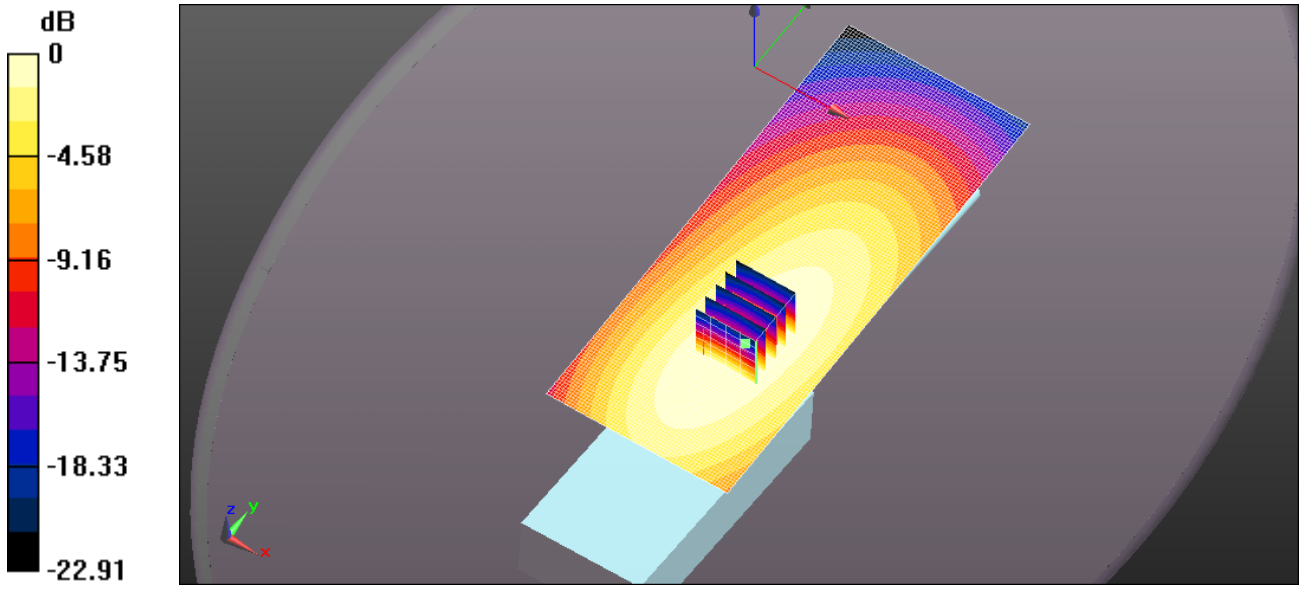
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.45 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 92.38 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 10.7 W/kg
**SAR(1 g) = 7.55 W/kg; SAR(10 g) = 5.55 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.49 W/kg




0 dB = 8.45 W/kg = 9.27 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 142MM 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

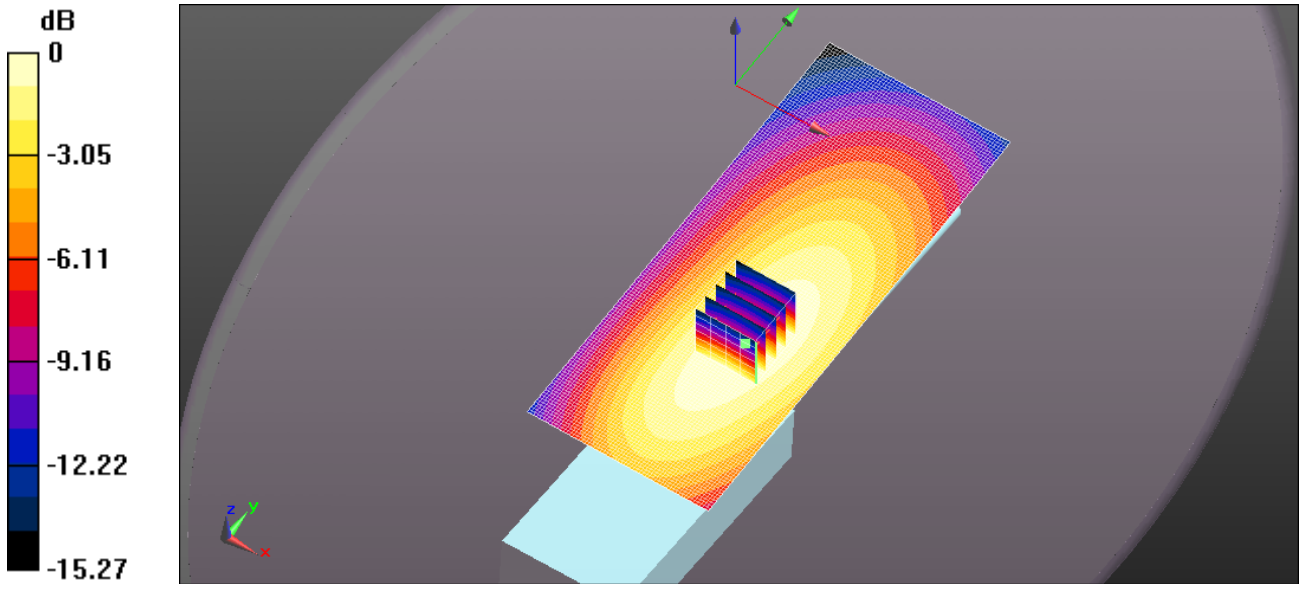
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.91 S/m; $\varepsilon_r$ = 56.998; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.22 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 95.60 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 10.1 W/kg
**SAR(1 g) = 7.48 W/kg; SAR(10 g) = 5.44 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.12 W/kg




0 dB = 8.22 W/kg = 9.15 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 142MM 460MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; $\sigma$ = 0.92 S/m; $\varepsilon_r$ = 56.886; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

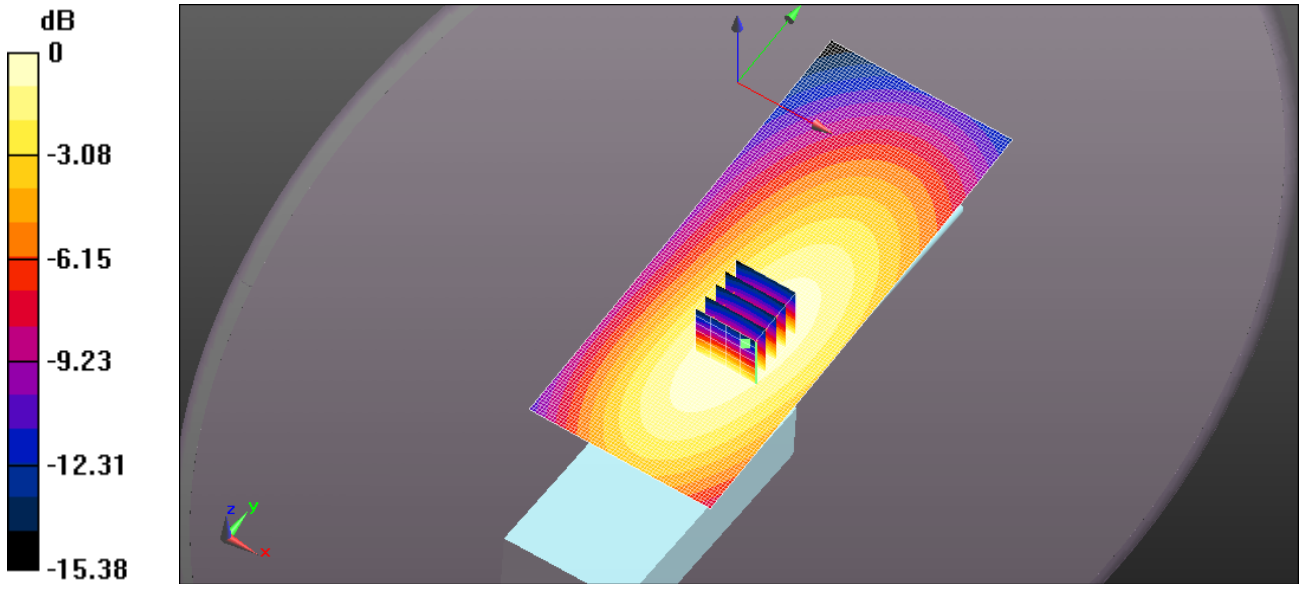
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.93 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 93.77 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 9.82 W/kg
**SAR(1 g) = 7.02 W/kg; SAR(10 g) = 5.16 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.89 W/kg




0 dB = 7.93 W/kg = 8.99 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 142MM 480MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; $\sigma$ = 0.937 S/m; $\varepsilon_r$ = 56.627; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

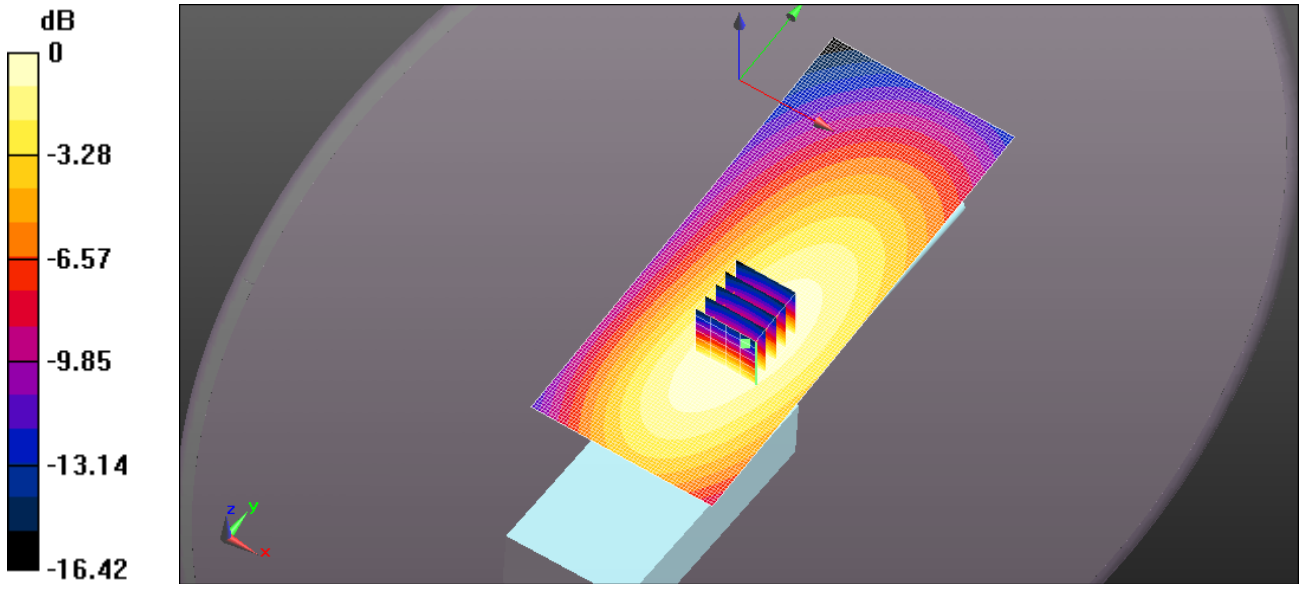
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.95 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 86.82 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 8.68 W/kg
**SAR(1 g) = 6.18 W/kg; SAR(10 g) = 4.52 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.94 W/kg




0 dB = 6.95 W/kg = 8.42 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 142MM 500MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 500 MHz; $\sigma$ = 0.953 S/m; $\varepsilon_r$ = 56.38; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

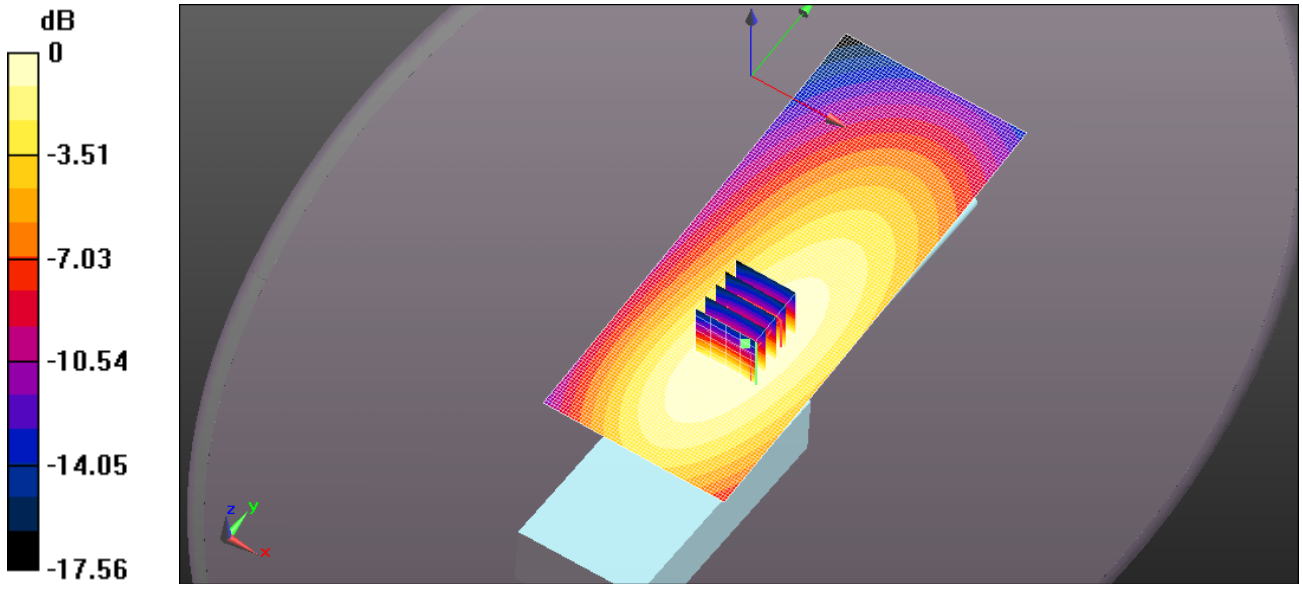
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.98 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 78.45 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 7.60 W/kg
**SAR(1 g) = 5.35 W/kg; SAR(10 g) = 3.92 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.01 W/kg




0 dB = 5.98 W/kg = 7.77 dBW/kg

Test Laboratory: Ultratech Group of Labs

**File Name: ICOM-442Q BP-283 FA-S76UC 142mm 512MHz.da52:0**

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.962 S/m; $\varepsilon_r$ = 56.248; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

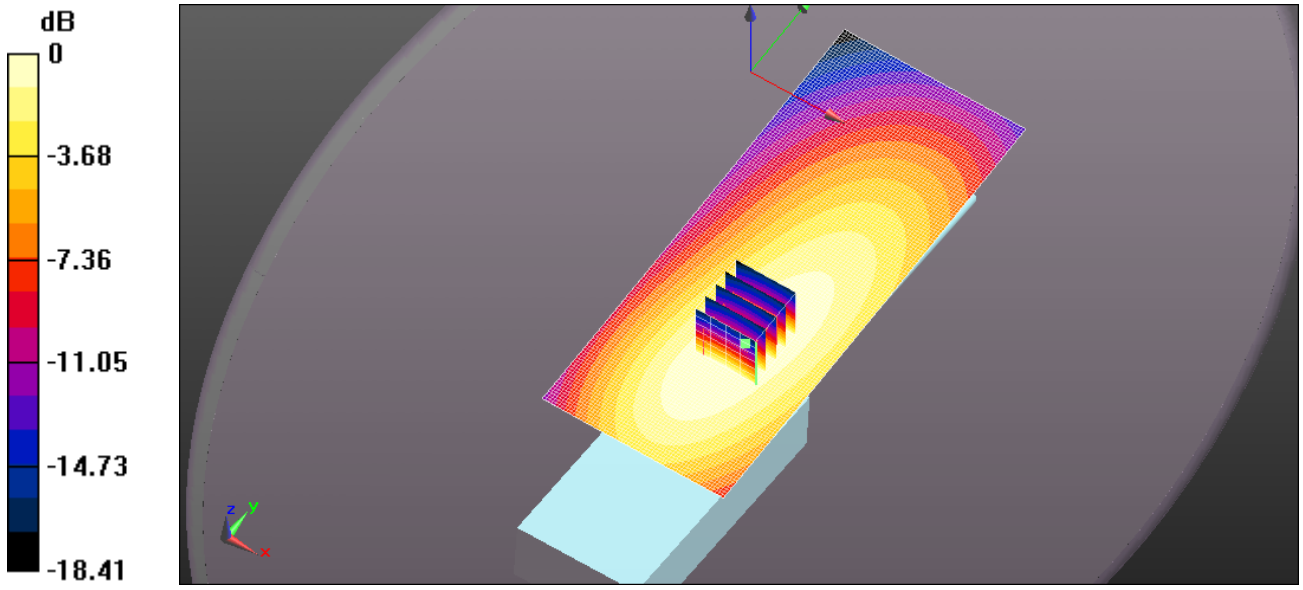
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.76 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 81.53 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 7.23 W/kg
**SAR(1 g) = 5.11 W/kg; SAR(10 g) = 3.75 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.76 W/kg




0 dB = 5.76 W/kg = 7.61 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 136MM 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.91 S/m; $\varepsilon_r$ = 56.998; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

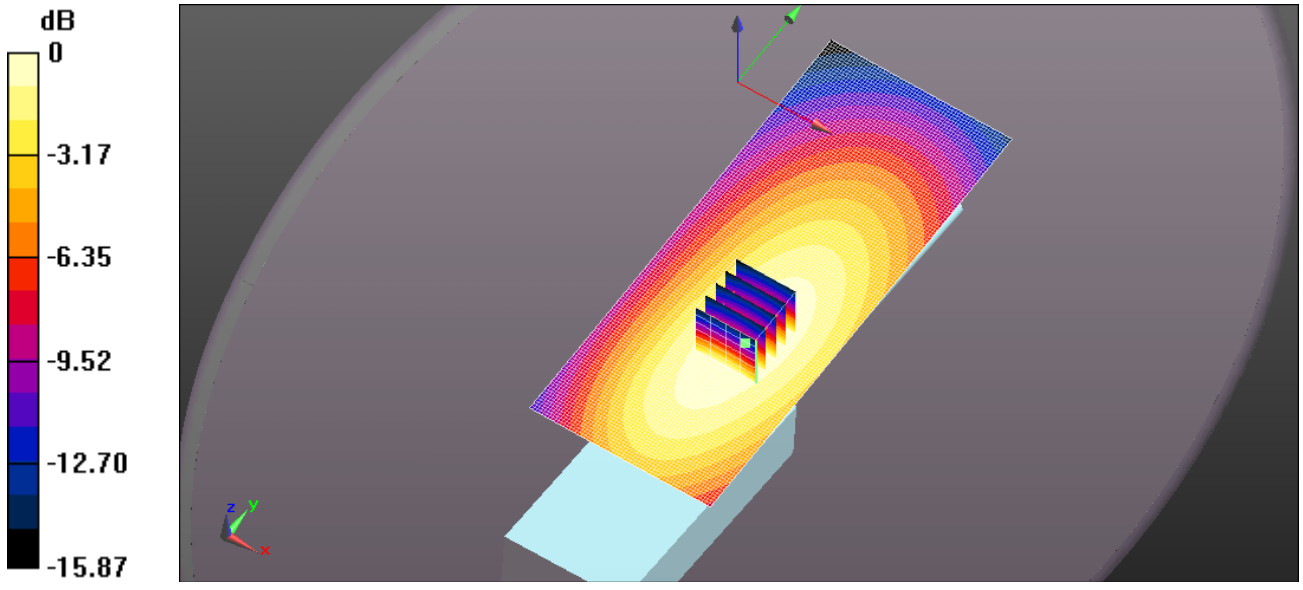
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.2 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 108.2 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 12.5 W/kg
**SAR(1 g) = 9.24 W/kg; SAR(10 g) = 6.7 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.0 W/kg




0 dB = 10.2 W/kg = 10.09 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 136MM 460MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

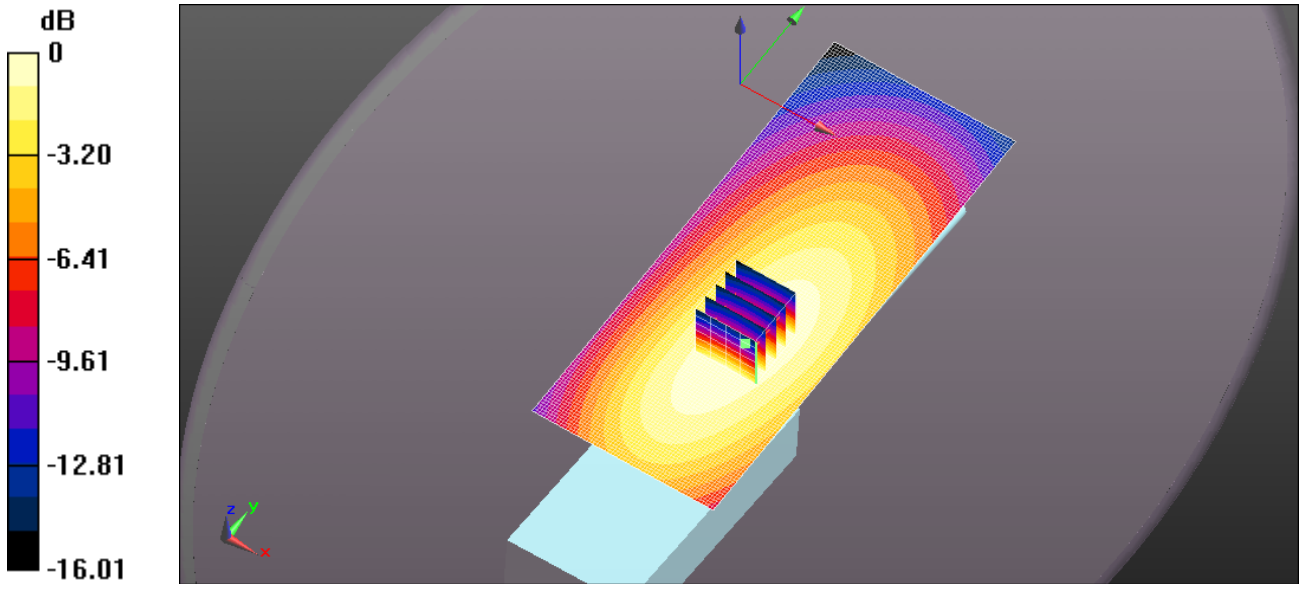
Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; $\sigma$ = 0.92 S/m; $\varepsilon_r$ = 56.886; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.66 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.3 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 11.9 W/kg
**SAR(1 g) = 8.49 W/kg; SAR(10 g) = 6.24 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.52 W/kg




0 dB = 9.66 W/kg = 9.85 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 136MM 4800MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; $\sigma$ = 0.937 S/m; $\varepsilon_r$ = 56.627; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

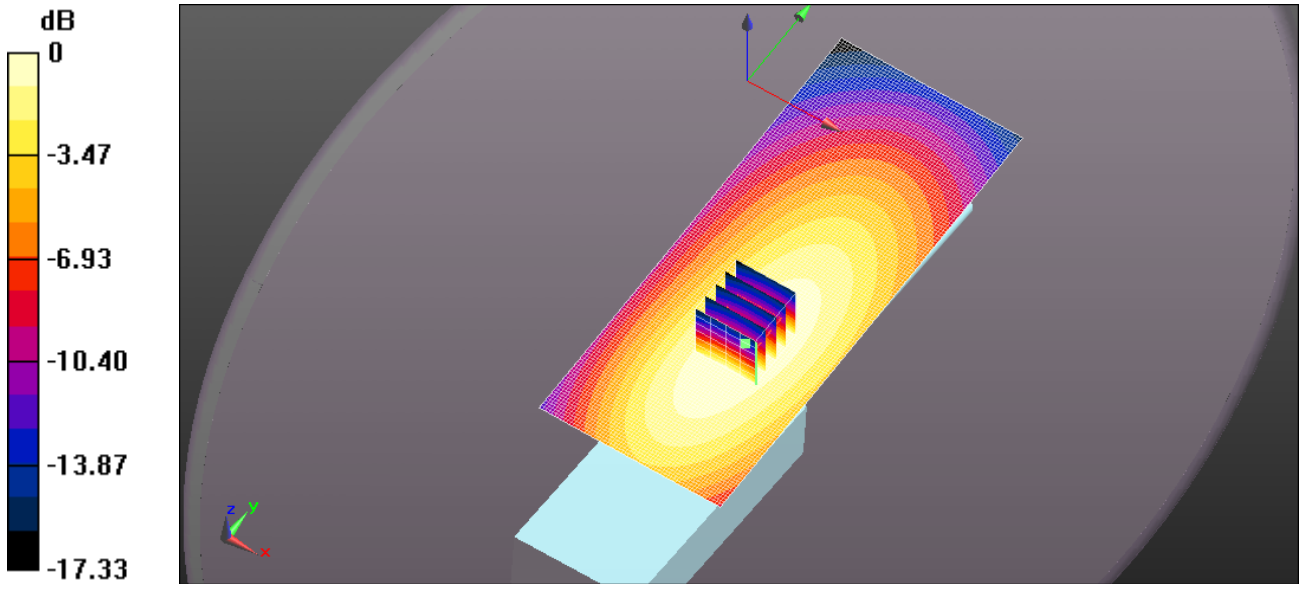
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.06 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 99.29 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 11.2 W/kg
**SAR(1 g) = 7.99 W/kg; SAR(10 g) = 5.85 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.96 W/kg




0 dB = 9.06 W/kg = 9.57 dBW/kg

Test Laboratory: Ultratech Group of Labs

**File Name: ICOM-442Q BP-283 FA-S76UC 136mm 500MHz.da52:0**

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 500 MHz; $\sigma$ = 0.953 S/m; $\varepsilon_r$ = 56.38; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

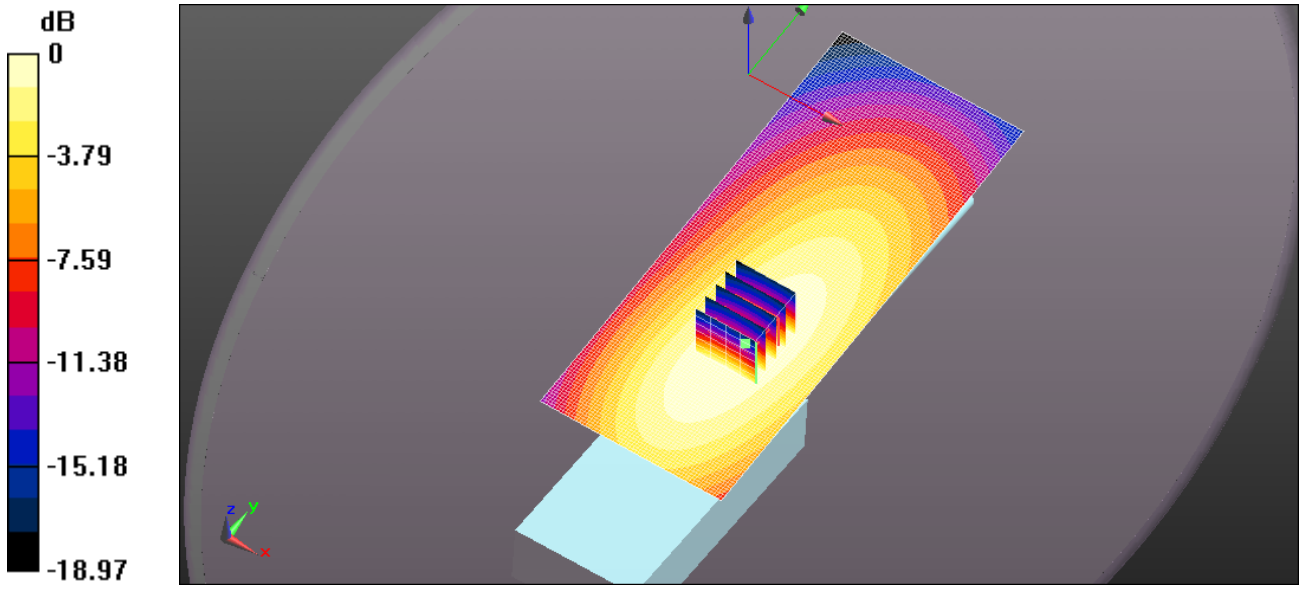
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.92 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 96.31 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 11.2 W/kg
**SAR(1 g) = 7.9 W/kg; SAR(10 g) = 5.79 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.89 W/kg




0 dB = 8.92 W/kg = 9.51 dBW/kg

Test Laboratory: Ultratech Group of Labs

**File Name: ICOM-442Q BP-283 FA-S76UC 136mm 512MHz.da52:0**

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

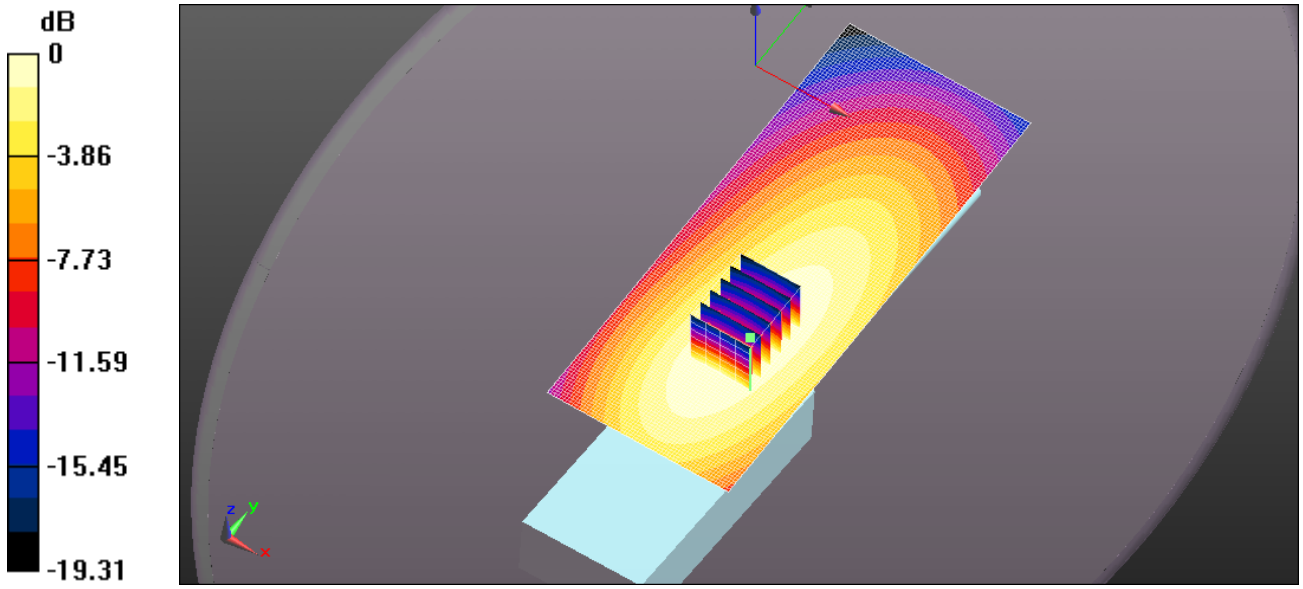
Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.962 S/m; $\varepsilon_r$ = 56.248; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.15 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 91.02 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 10.2 W/kg
**SAR(1 g) = 7.24 W/kg; SAR(10 g) = 5.31 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.15 W/kg




0 dB = 8.15 W/kg = 9.11 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 129MM 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

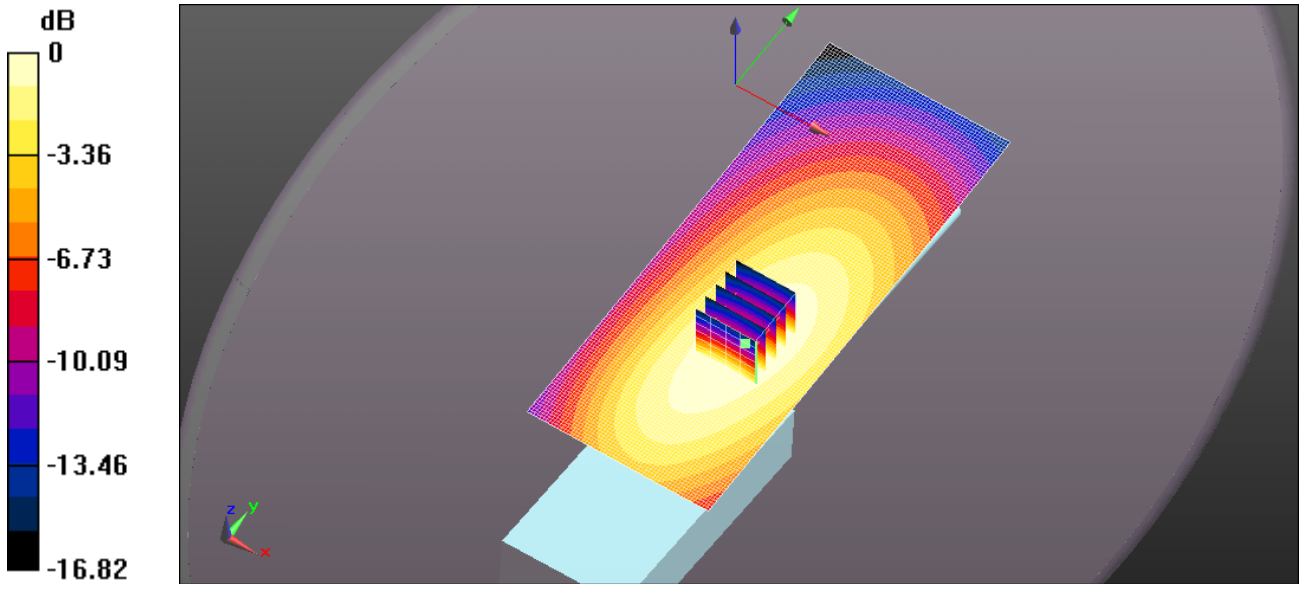
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.91 S/m; $\varepsilon_r$ = 56.998; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.5 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 109.8 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 12.6 W/kg
**SAR(1 g) = 9.34 W/kg; SAR(10 g) = 6.79 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.1 W/kg




0 dB = 10.5 W/kg = 10.23 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 129MM 460MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

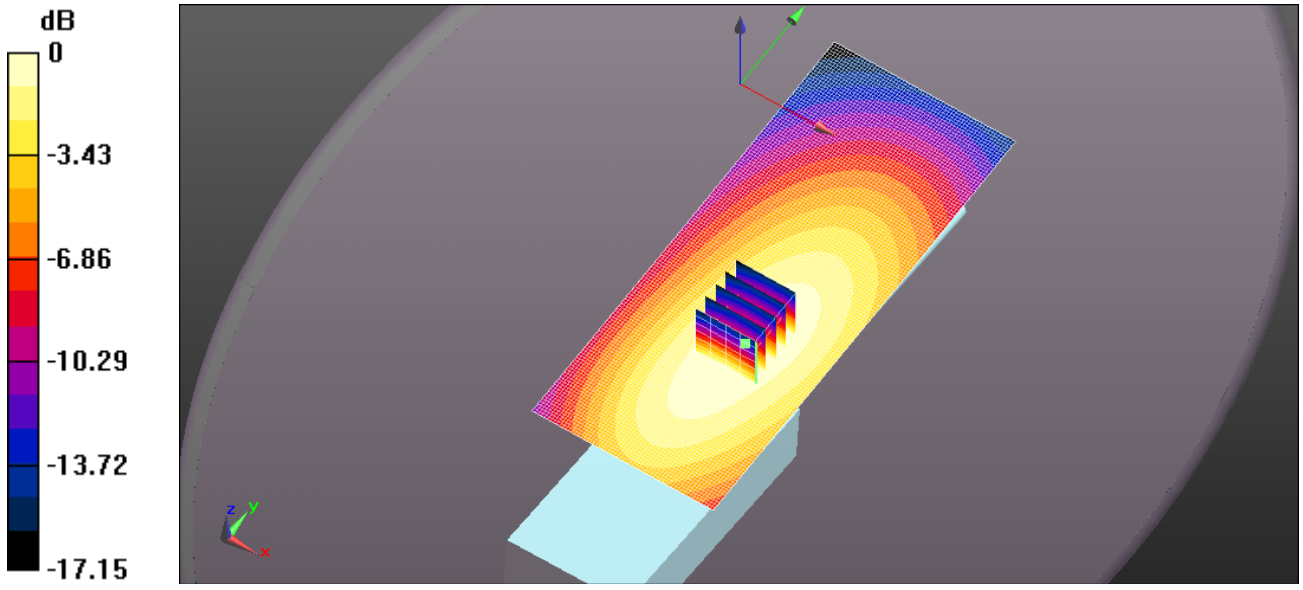
Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; $\sigma$ = 0.92 S/m; $\varepsilon_r$ = 56.886; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.1 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 109.8 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 11.9 W/kg
**SAR(1 g) = 8.5 W/kg; SAR(10 g) = 6.25 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.50 W/kg




0 dB = 10.1 W/kg = 10.05 dBW/kg

Test Laboratory: Ultratech Group of Labs

**File Name: ICOM-442Q BP-283 FA-S76UC 129mm 480MHz.da52:0**

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; $\sigma$ = 0.937 S/m; $\varepsilon_r$ = 56.627; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

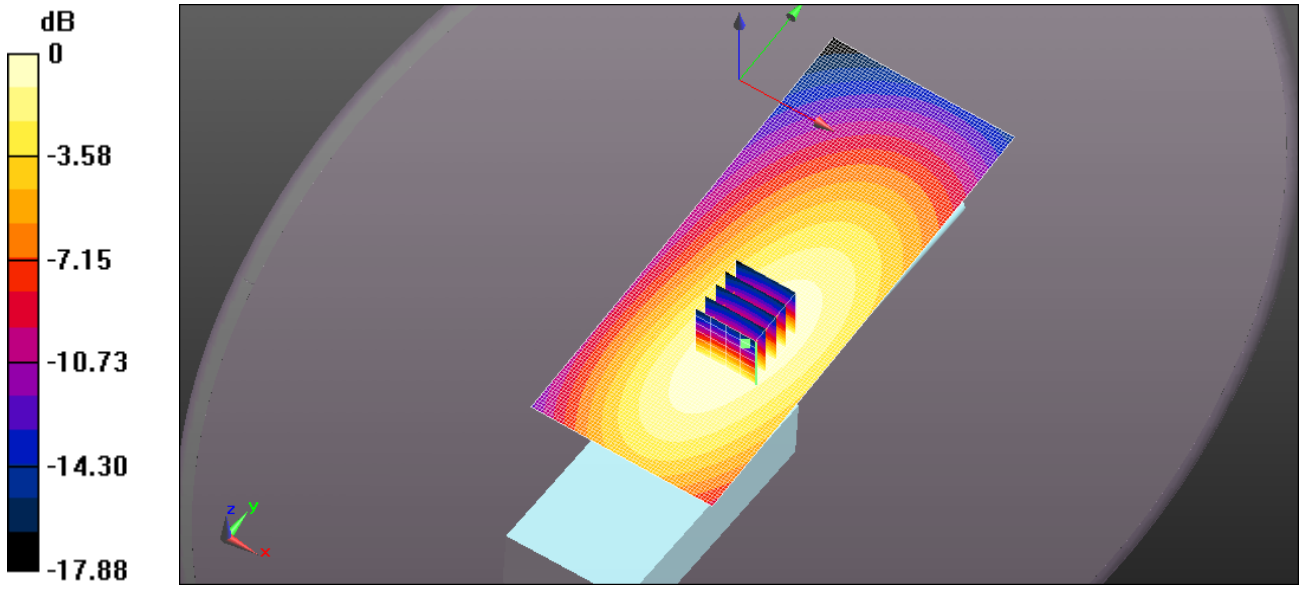
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.50 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 102.2 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = 11.6 W/kg
**SAR(1 g) = 8.32 W/kg; SAR(10 g) = 6.09 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.34 W/kg




0 dB = 9.50 W/kg = 9.78 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 129MM 500MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

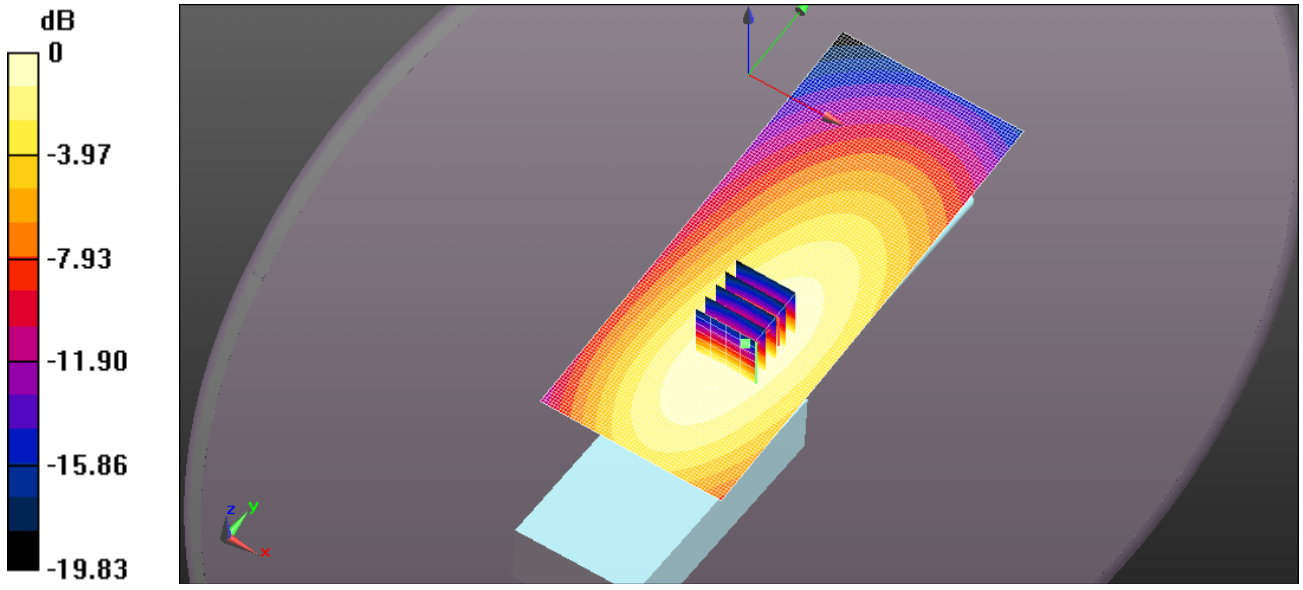
Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 500 MHz; $\sigma$ = 0.953 S/m; $\varepsilon_r$ = 56.38; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.4 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.5 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 13.1 W/kg
**SAR(1 g) = 9.23 W/kg; SAR(10 g) = 6.75 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.4 W/kg




0 dB = 10.4 W/kg = 10.19 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 129MM 512MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.962 S/m; $\varepsilon_r$ = 56.248; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

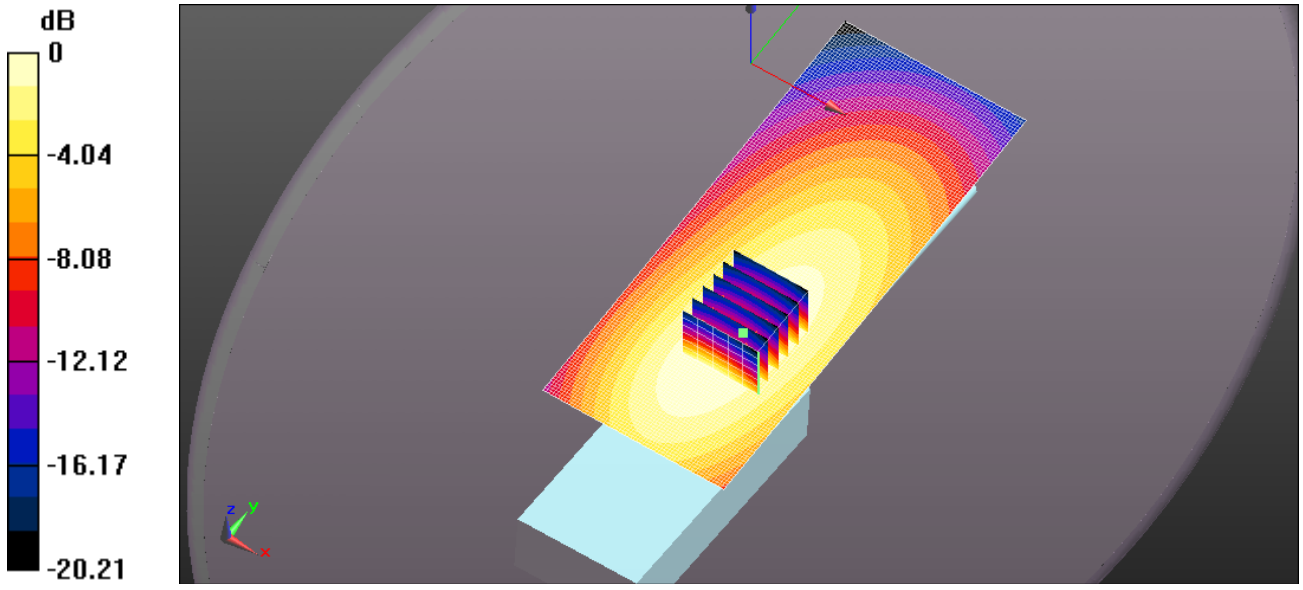
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.94 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 101.4 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 12.4 W/kg
**SAR(1 g) = 8.8 W/kg; SAR(10 g) = 6.44 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.90 W/kg




0 dB = 9.94 W/kg = 9.97 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 125MM 450MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

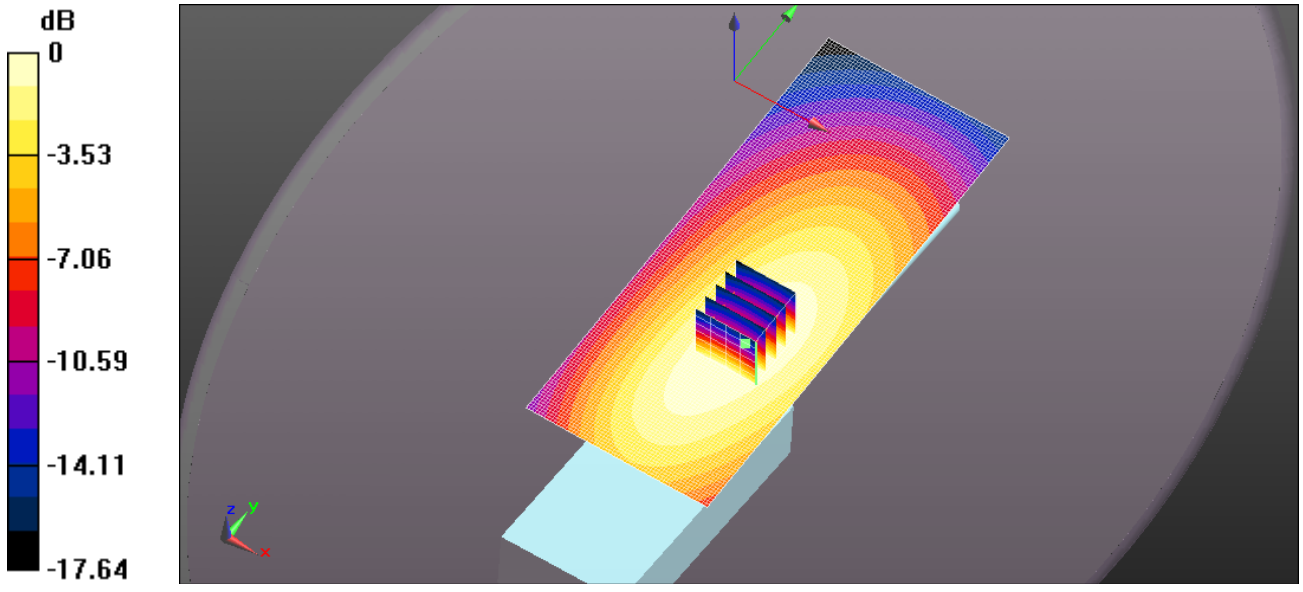
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; $\sigma$ = 0.91 S/m; $\varepsilon_r$ = 56.998; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.82 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 105.2 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 11.6 W/kg
**SAR(1 g) = 8.65 W/kg; SAR(10 g) = 6.31 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.36 W/kg




0 dB = 9.82 W/kg = 9.92 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 125MM 460MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; $\sigma$ = 0.92 S/m; $\varepsilon_r$ = 56.886; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

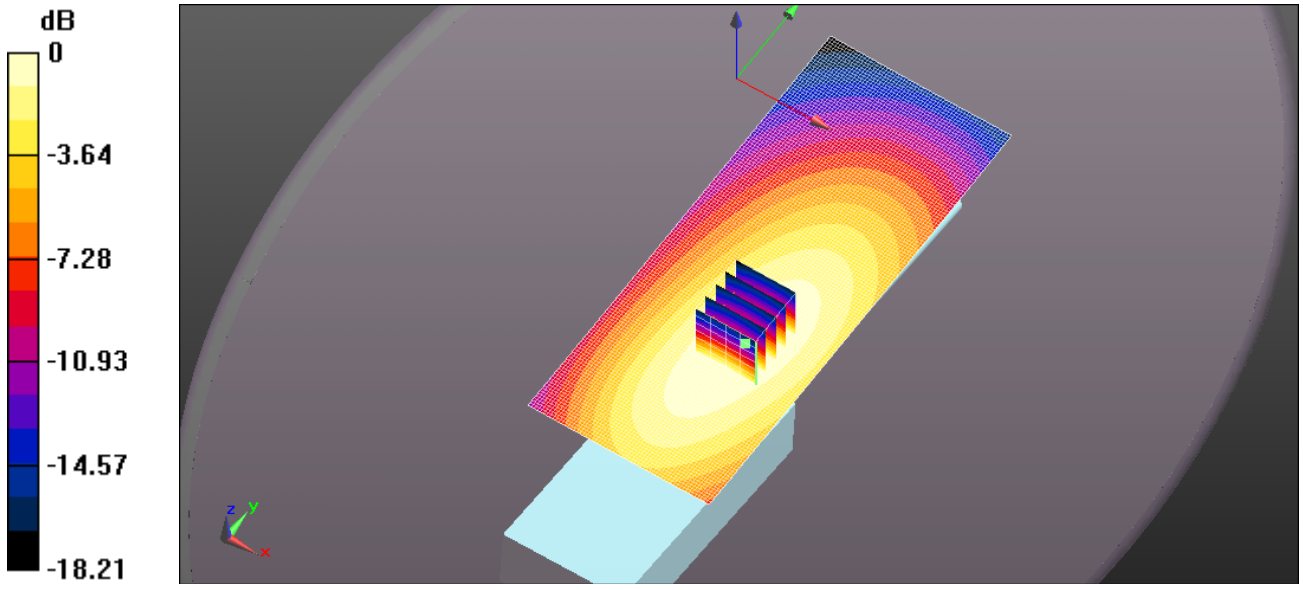
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.36 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.9 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 10.9 W/kg
**SAR(1 g) = 7.81 W/kg; SAR(10 g) = 5.76 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.74 W/kg




0 dB = 9.36 W/kg = 9.71 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 125MM 480MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; $\sigma$ = 0.937 S/m; $\varepsilon_r$ = 56.627; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

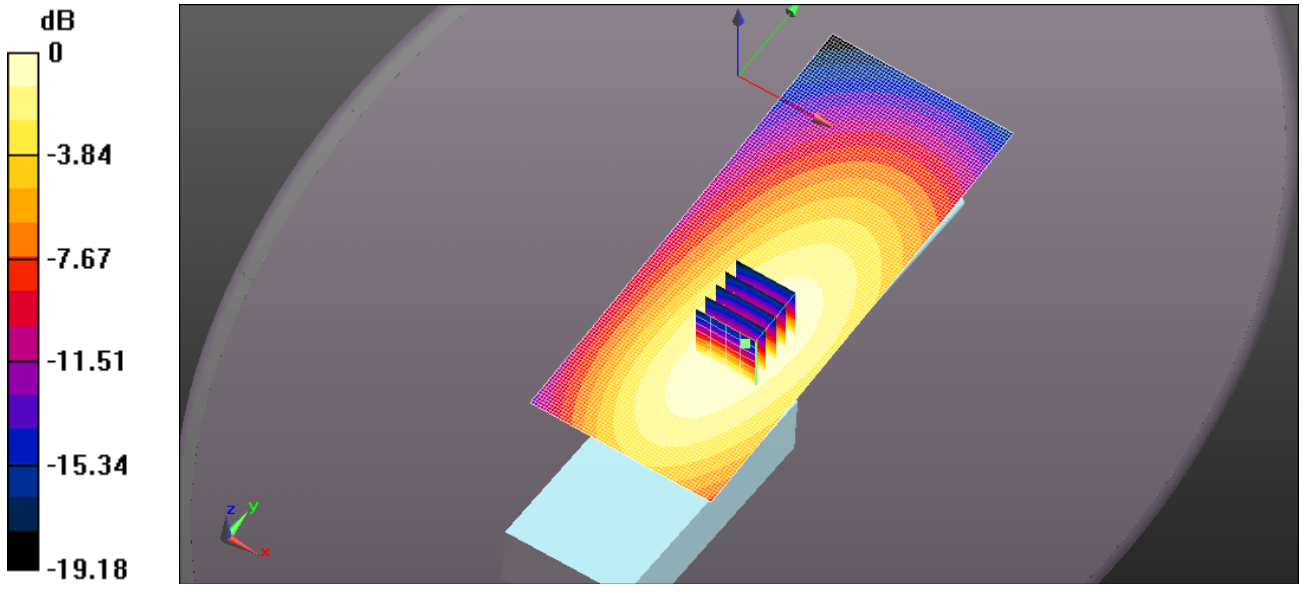
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.46 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 101.2 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 11.4 W/kg
**SAR(1 g) = 8.13 W/kg; SAR(10 g) = 5.97 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.14 W/kg




0 dB = 9.46 W/kg = 9.76 dBW/kg

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 125MM 500MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 500 MHz; $\sigma$ = 0.953 S/m; $\varepsilon_r$ = 56.38; $\rho$ = 1000 kg/m$^3$ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

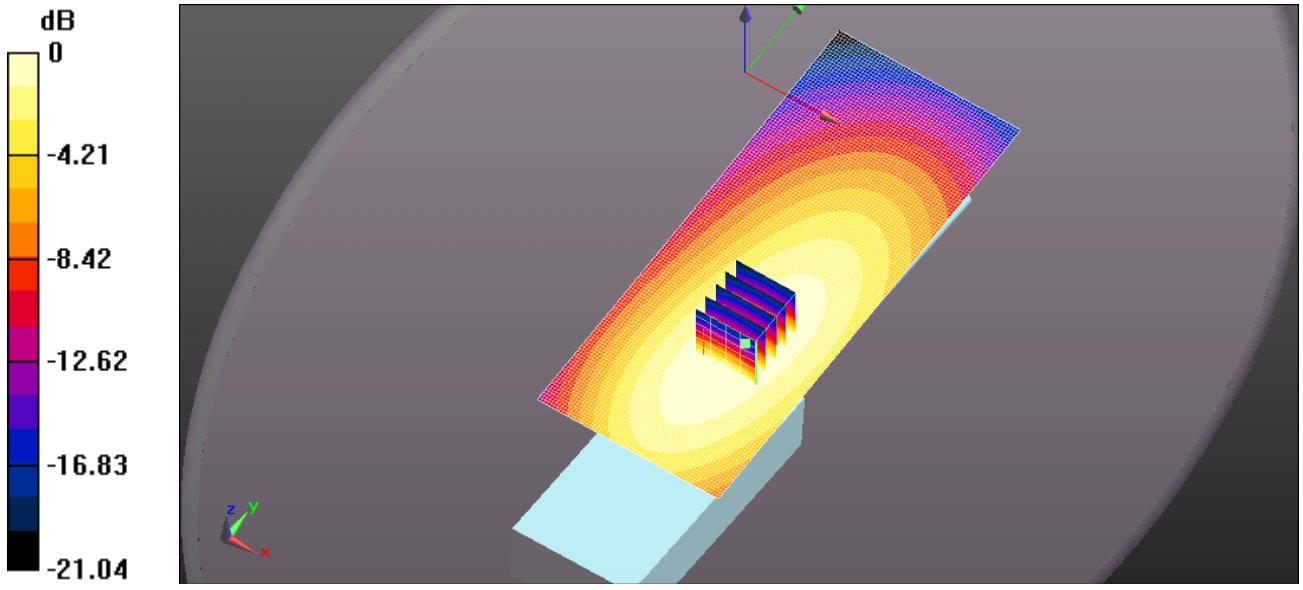
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.3 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 108.7 V/m; Power Drift = -0.25 dB
Peak SAR (extrapolated) = 14.0 W/kg
**SAR(1 g) = 9.92 W/kg; SAR(10 g) = 7.27 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 11.2 W/kg




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

Test Laboratory: Ultratech Group of Labs

*FILE NAME: ICOM-442Q BP-283 FA-S76UC 125MM 512MHZ.DA52:0*

**DUT: IC-F4400DT; Type: UHF Transceiver; Serial: 31000402**

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; $\sigma$ = 0.962 S/m; $\varepsilon_r$ = 56.248; $\rho$ = 1000 kg/m$^3$ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

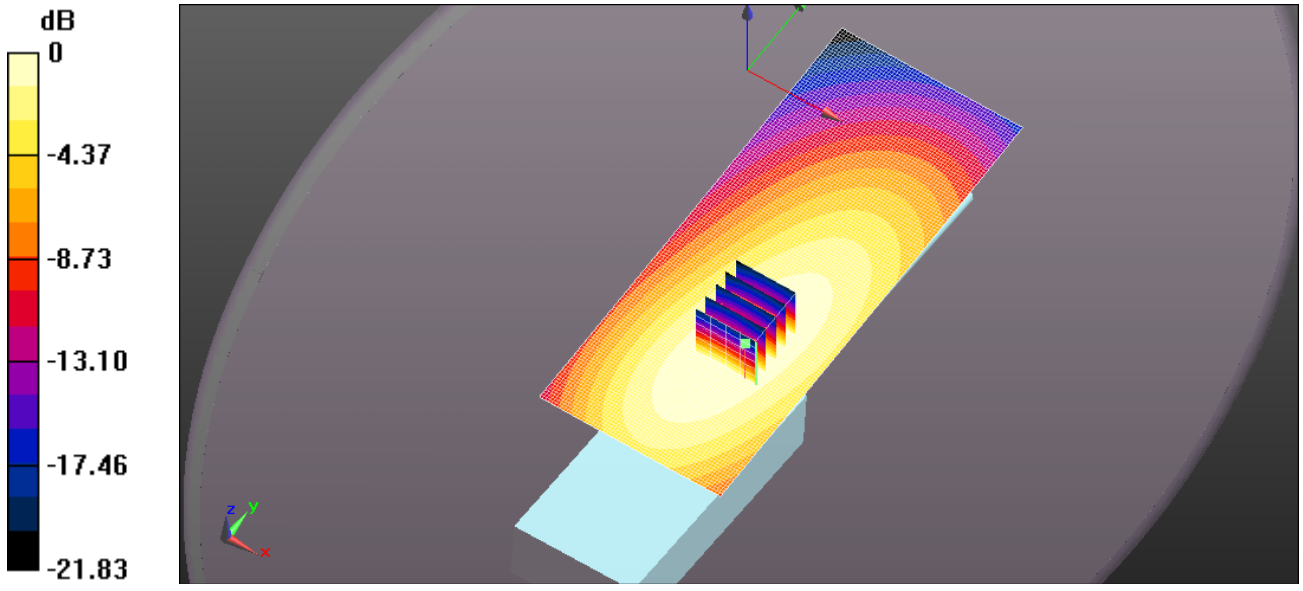
- Probe: ES3DV3 - SN3250; ConvF(6.93, 6.93, 6.93); Calibrated: 3/22/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.8 W/kg

## Configuration_Body_IC-F4400DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 110.5 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 14.7 W/kg
**SAR(1 g) = 10.4 W/kg; SAR(10 g) = 7.61 W/kg** (SAR corrected for target medium)
Maximum value of SAR (measured) = 11.7 W/kg




0 dB = 11.8 W/kg = 10.72 dBW/kg