APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. PRESCAN MEASUREMENT SUMMARY

Belt Clip	Antenna	Power (dBm)	CH	CH. Freq (MHz)	BODY SAR1g (W/Kg) BP-290 1950mAh	BODY SAR10g (W/Kg) BP-290 1950mAh
MBB-3	FA-SC57U	37.19	1	450	4.35	3.2
MB-136		37.19	1	450	2.42	1.81

W/ MBB-3

Microphone	Antenna	Power (dBm)	CH	CH. Freq (MHz)	BODY SAR1g (W/Kg) BP-290 1950mAh	BODY SAR10g (W/Kg) BP-290 1950mAh
HM-233GP	FA-SC57U	37.19	1	450	5.78	4.2
SP-29 (AD-135)		37.19	1	450	4.99	3.63

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC57U 450MHz MBB-3.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.908 S/m; ε_r = 56.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

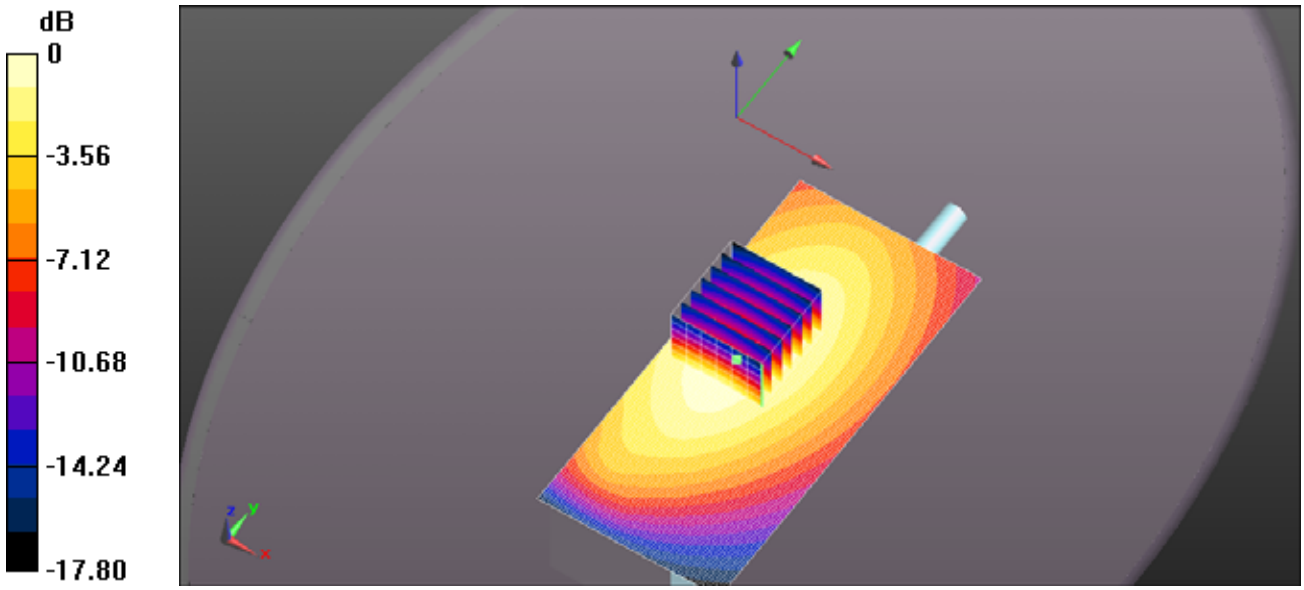
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.82 W/kg

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 69.67 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 5.56 W/kg
SAR(1 g) = 4.35 W/kg; SAR(10 g) = 3.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.69 W/kg



0 dB = 5.82 W/kg = 7.65 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC57U 450MHz MB-136.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.908 S/m; ε_r = 56.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

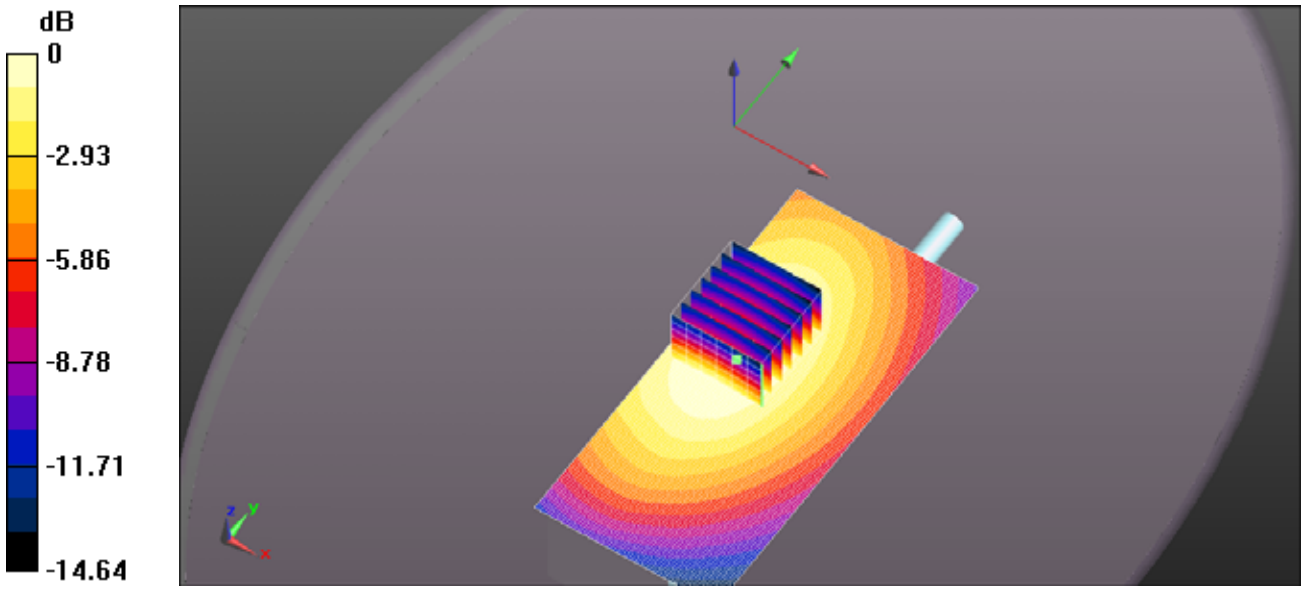
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.12 W/kg

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 50.61 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 3.05 W/kg
SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.81 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.59 W/kg



0 dB = 3.12 W/kg = 4.94 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC57U 450MHz HM-233GP.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.908 S/m; ε_r = 56.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

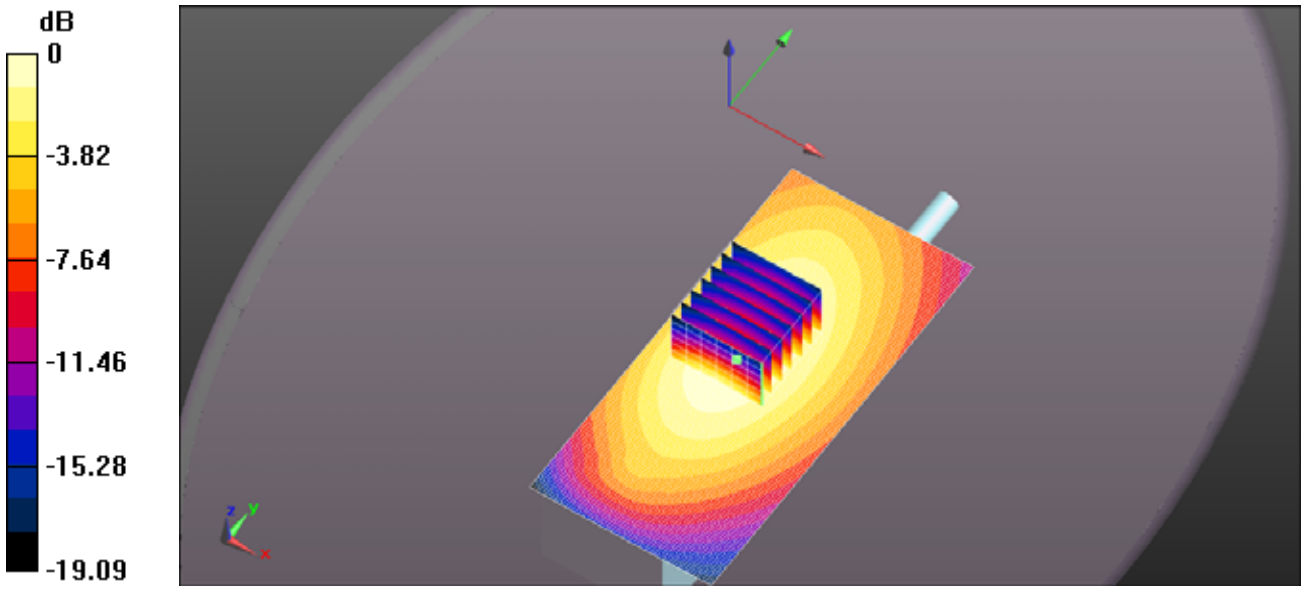
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.54 W/kg

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.45 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 7.46 W/kg
SAR(1 g) = 5.78 W/kg; SAR(10 g) = 4.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.26 W/kg



0 dB = 7.54 W/kg = 8.77 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC57U 450MHz SP-29.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.908 S/m; ε_r = 56.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

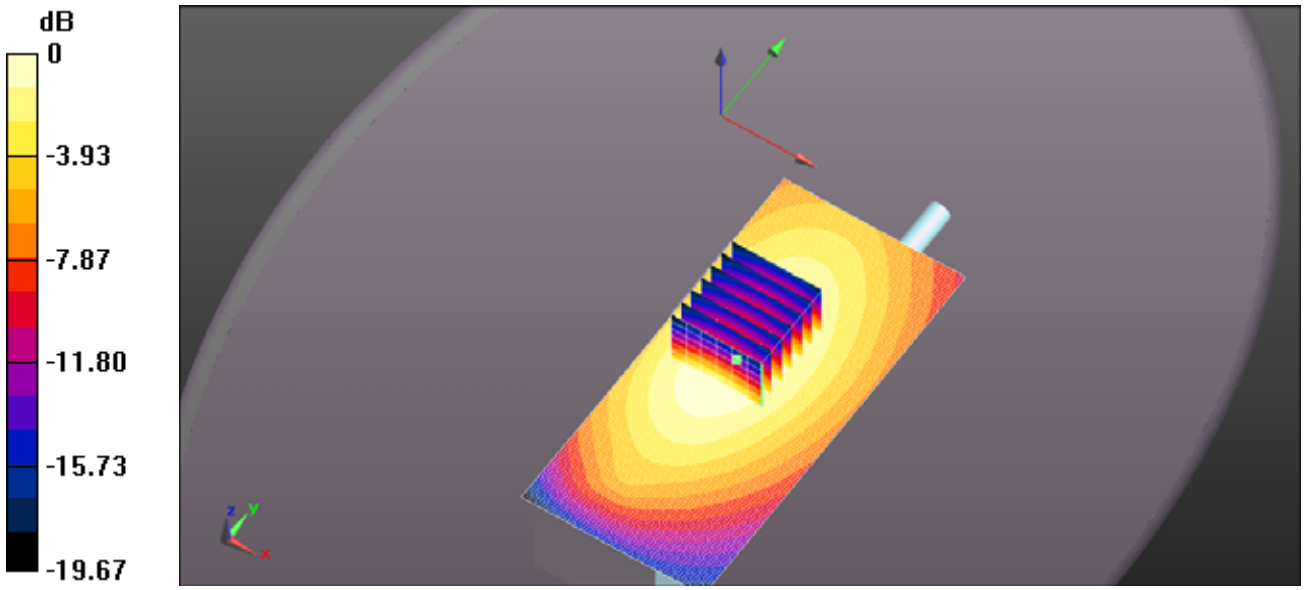
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.51 W/kg

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 78.20 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 6.47 W/kg
SAR(1 g) = 4.99 W/kg; SAR(10 g) = 3.63 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.41 W/kg



0 dB = 6.51 W/kg = 8.14 dBW/kg

EXHIBIT 2. HEAD SAR MEASUREMENTS

Antenna	Power (dBm)	CH	CH. Freq (MHz)	HEAD SAR1g (W/Kg) BP-290 1950mAh	HEAD SAR10g (W/Kg) BP-290 1950mAh
FA-S57U 440-470 MHz	37.19	1	450	3.38	2.55
	37.25	2	460	3.66	2.73
	37.28	4	470	4.57	3.41
FA-S72U 470-512 MHz	37.28	4	470	3.49	2.62
	37.25	6	491	6.14	4.59
	37.30	9	512	8.44	6.29
FA-S73US 450-470 MHz	37.19	1	450	2.55	1.92
	37.25	2	460	1.56	1.17
	37.28	4	470	1.04	0.777

Cut Antenna	Power (dBm)	CH	CH. Freq (MHz)	HEAD SAR1g (W/Kg) BP-290 1950mAh	HEAD SAR10g (W/Kg) BP-290 1950mAh
FA-S61UC 460MHz 142mm	37.19	1	450	4.04	3.06
	37.25	2	460	4.42	3.32
	37.25	5	480	6.38	4.79
	37.28	7	496	7.9	5.91
	37.30	9	512	8.26	6.16
FA-S61UC 480MHz 136mm	37.19	1	450	3.21	2.41
	37.28	3	465	3.17	2.38
	37.25	5	480	4.9	3.64
	37.28	7	496	7.15	5.33
	37.30	9	512	7.93	5.91
FA-S61UC 500MHz 129mm	37.19	1	450	2.27	1.71
	37.25	3	465	2.56	1.91
	37.25	5	480	3.39	2.53
	37.27	8	500	5.48	4.08
	37.30	9	512	7.8	5.82
FA-S61UC 520MHz 125mm	37.19	1	450	1.88	1.41
	37.25	3	465	2.01	1.51
	37.25	5	480	2.66	1.99
	37.28	7	496	4.1	3.07
	37.30	9	512	7.06	5.24

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC57U 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.897 S/m; ε_r = 45.525; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

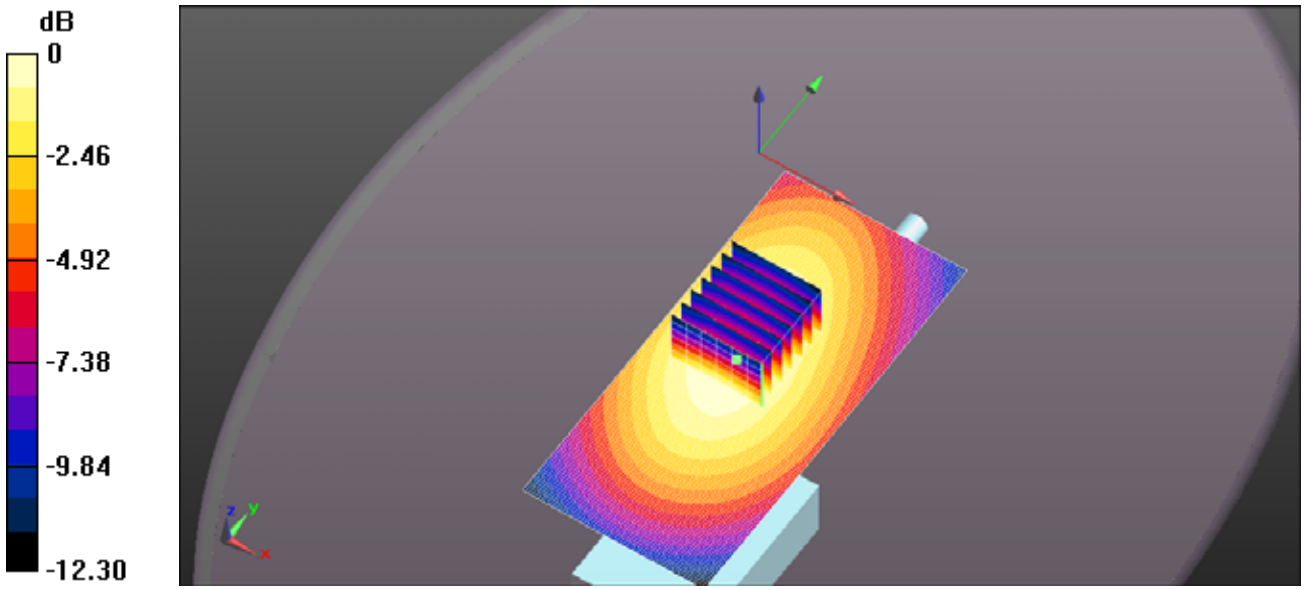
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.35 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 48.66 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 4.37 W/kg
SAR(1 g) = 3.38 W/kg; SAR(10 g) = 2.55 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.78 W/kg



0 dB = 4.35 W/kg = 6.39 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC57U 460MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; σ = 0.899 S/m; ε_r = 45.363; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

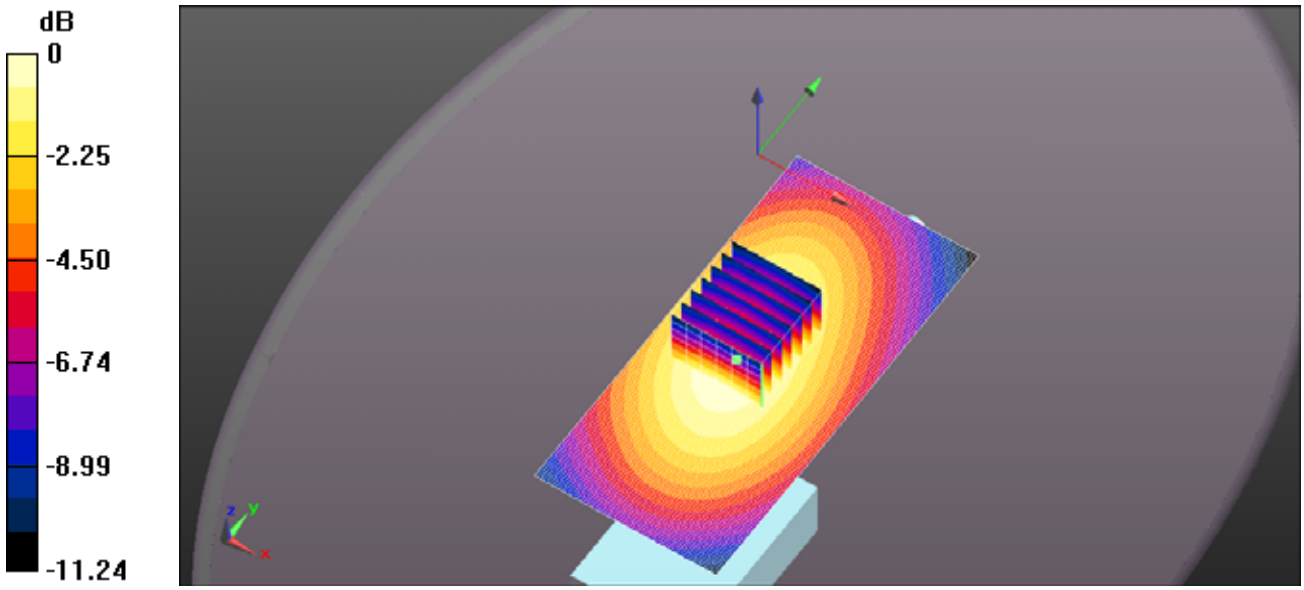
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.90 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 51.65 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 4.72 W/kg
SAR(1 g) = 3.66 W/kg; SAR(10 g) = 2.73 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.12 W/kg



0 dB = 4.90 W/kg = 6.90 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC57U 470MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: f = 470 MHz; σ = 0.903 S/m; ε_r = 45.315; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

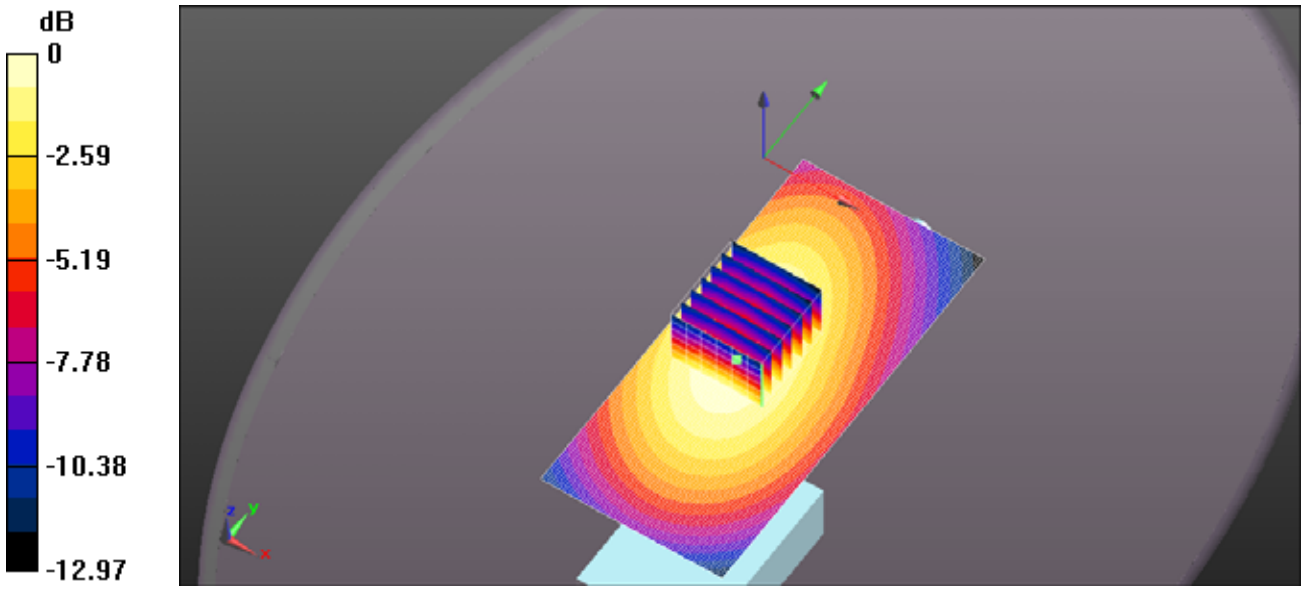
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.84 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 51.89 V/m; Power Drift = 0.21 dB
Peak SAR (extrapolated) = 5.92 W/kg
SAR(1 g) = 4.57 W/kg; SAR(10 g) = 3.41 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.18 W/kg



0 dB = 5.84 W/kg = 7.66 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC72U 470MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: f = 470 MHz; σ = 0.903 S/m; ε_r = 45.315; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

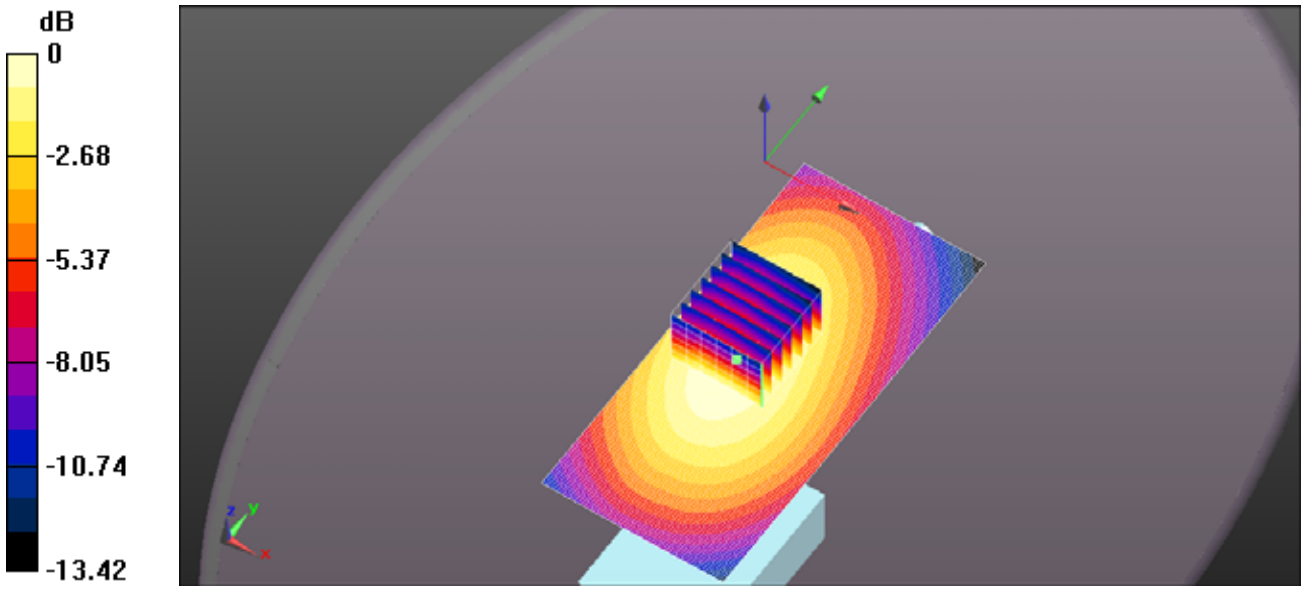
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.51 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 45.52 V/m; Power Drift = 0.29 dB
Peak SAR (extrapolated) = 4.50 W/kg
SAR(1 g) = 3.49 W/kg; SAR(10 g) = 2.62 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.96 W/kg



0 dB = 4.51 W/kg = 6.54 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC72U 491MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 491 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 491 MHz; σ = 0.907 S/m; ε_r = 44.747; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

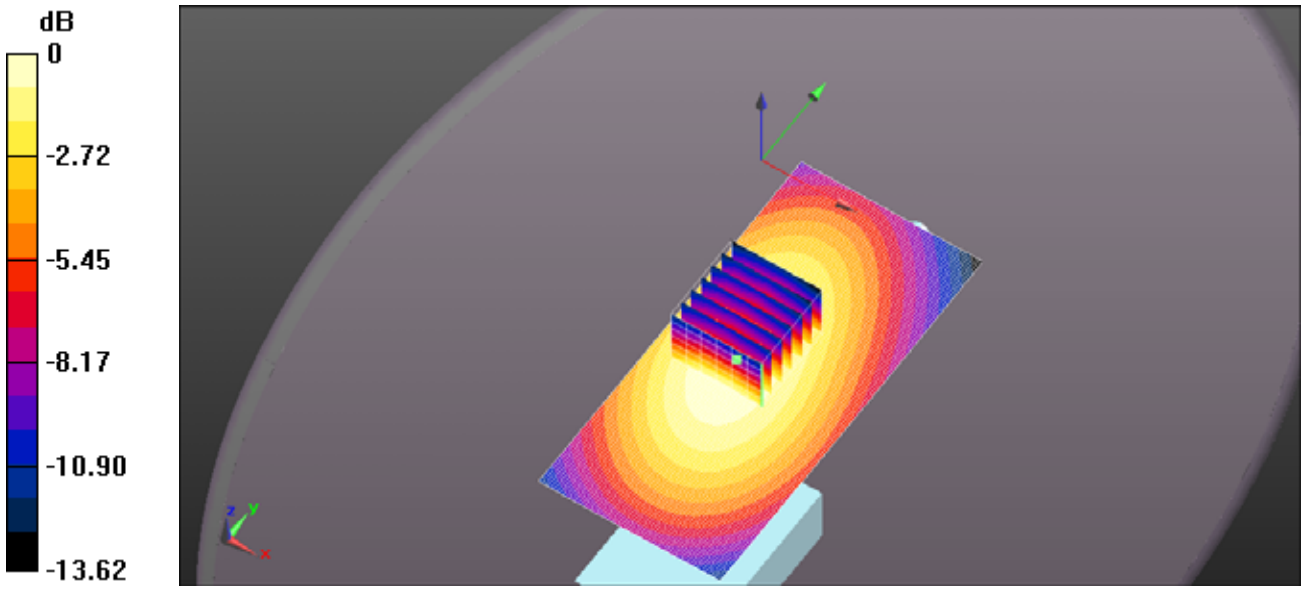
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.70 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 61.30 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 7.98 W/kg
SAR(1 g) = 6.14 W/kg; SAR(10 g) = 4.59 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.99 W/kg



0 dB = 7.70 W/kg = 8.86 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC72U 512MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; σ = 0.921 S/m; ε_r = 44.255; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

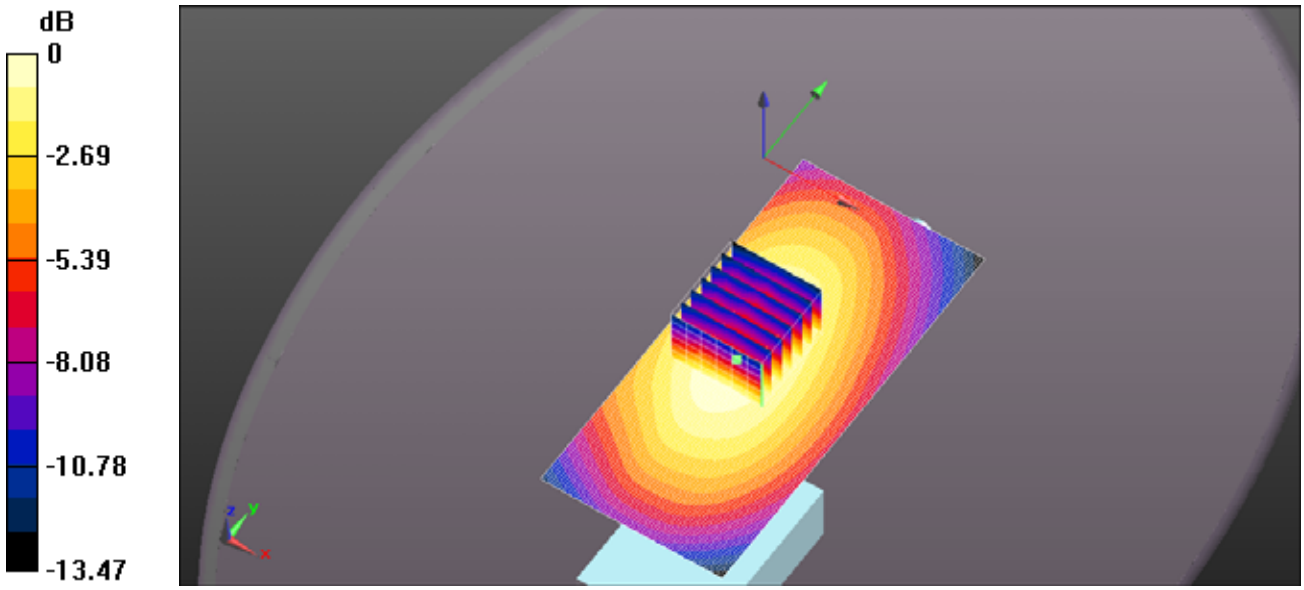
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.5 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 74.65 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 11.1 W/kg
SAR(1 g) = 8.44 W/kg; SAR(10 g) = 6.29 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.68 W/kg



0 dB = 13.5 W/kg = 11.30 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC73US 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.897 S/m; ε_r = 45.525; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

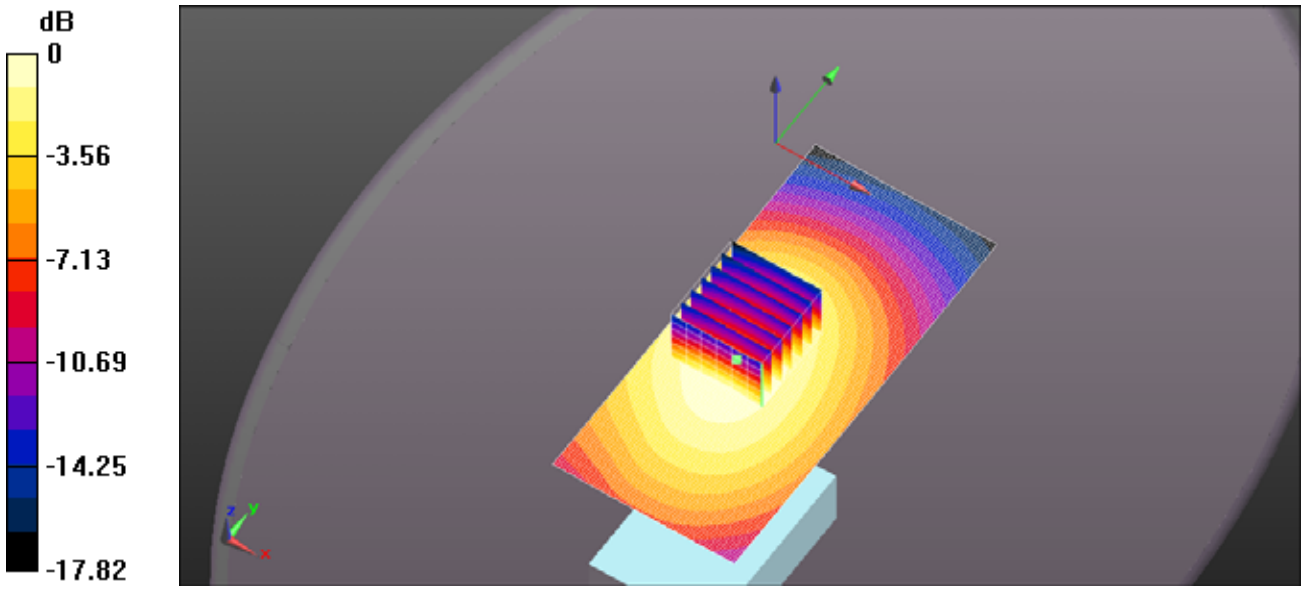
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.73 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 40.36 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = 3.28 W/kg
SAR(1 g) = 2.55 W/kg; SAR(10 g) = 1.92 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.84 W/kg



0 dB = 3.73 W/kg = 5.71 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC73US 460MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; σ = 0.899 S/m; ε_r = 45.363; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

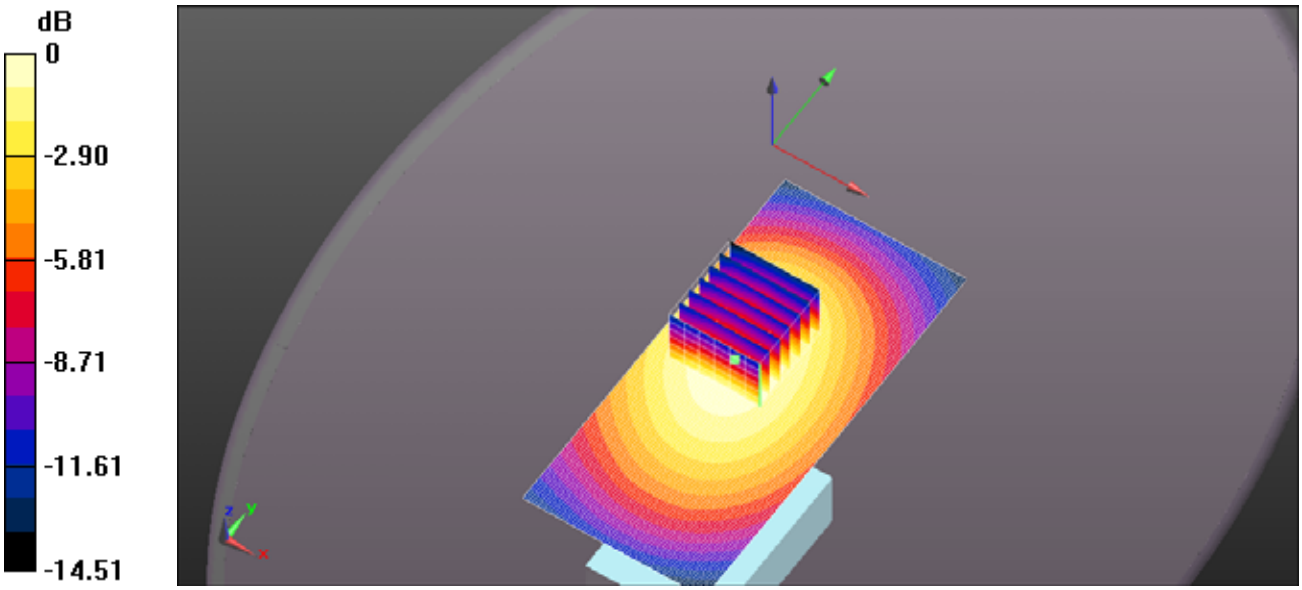
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.21 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 32.15 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 2.02 W/kg
SAR(1 g) = 1.56 W/kg; SAR(10 g) = 1.17 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.75 W/kg



0 dB = 2.21 W/kg = 3.45 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 142mm 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.897 S/m; ε_r = 45.525; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

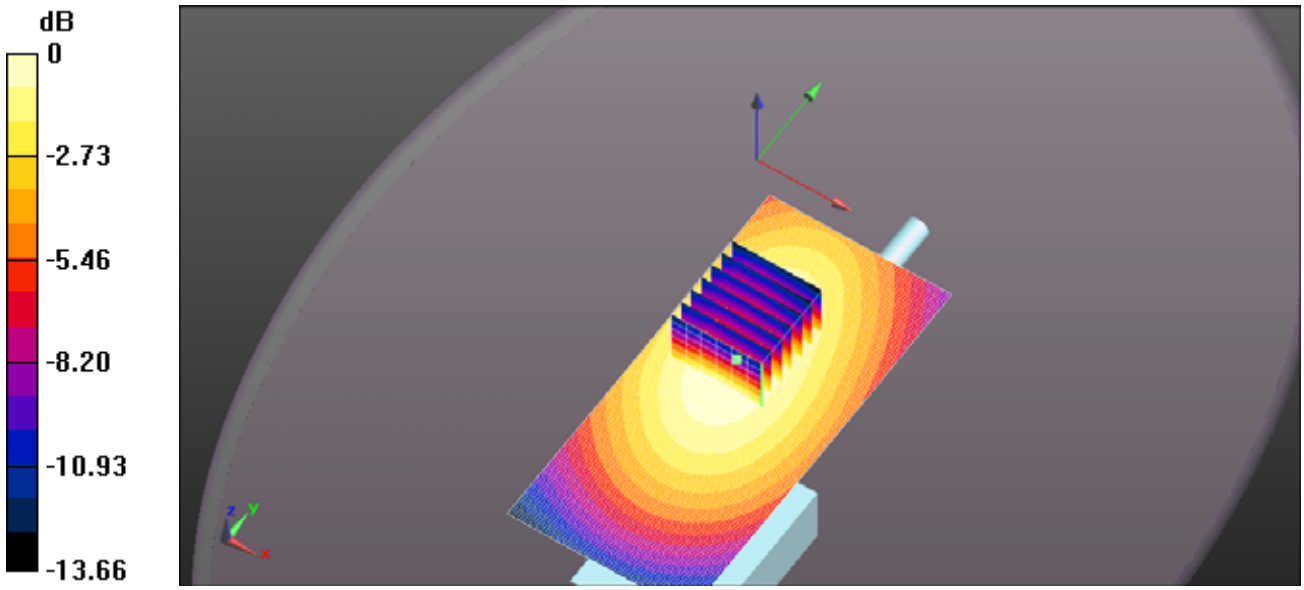
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.10 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.93 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 5.09 W/kg
SAR(1 g) = 4.04 W/kg; SAR(10 g) = 3.06 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.49 W/kg



0 dB = 5.10 W/kg = 7.08 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 142mm 460MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; σ = 0.899 S/m; ε_r = 45.363; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

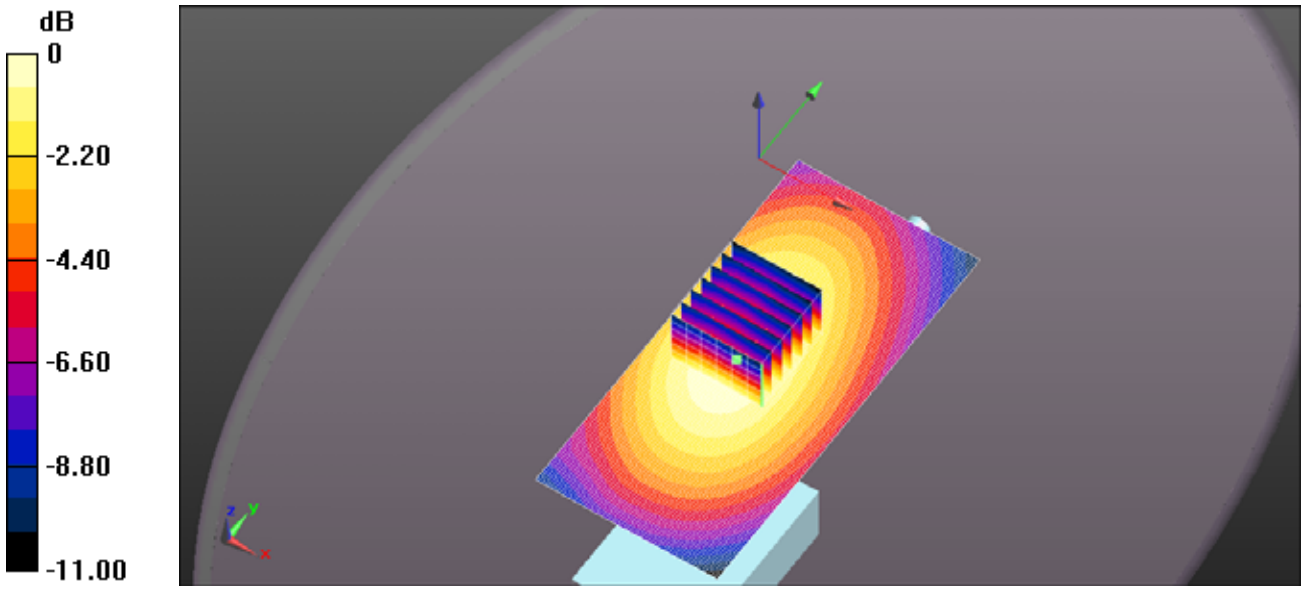
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.19 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.74 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 5.63 W/kg
SAR(1 g) = 4.42 W/kg; SAR(10 g) = 3.32 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.98 W/kg



0 dB = 6.19 W/kg = 7.92 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 142mm 480MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.903 S/m; ε_r = 45.02; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

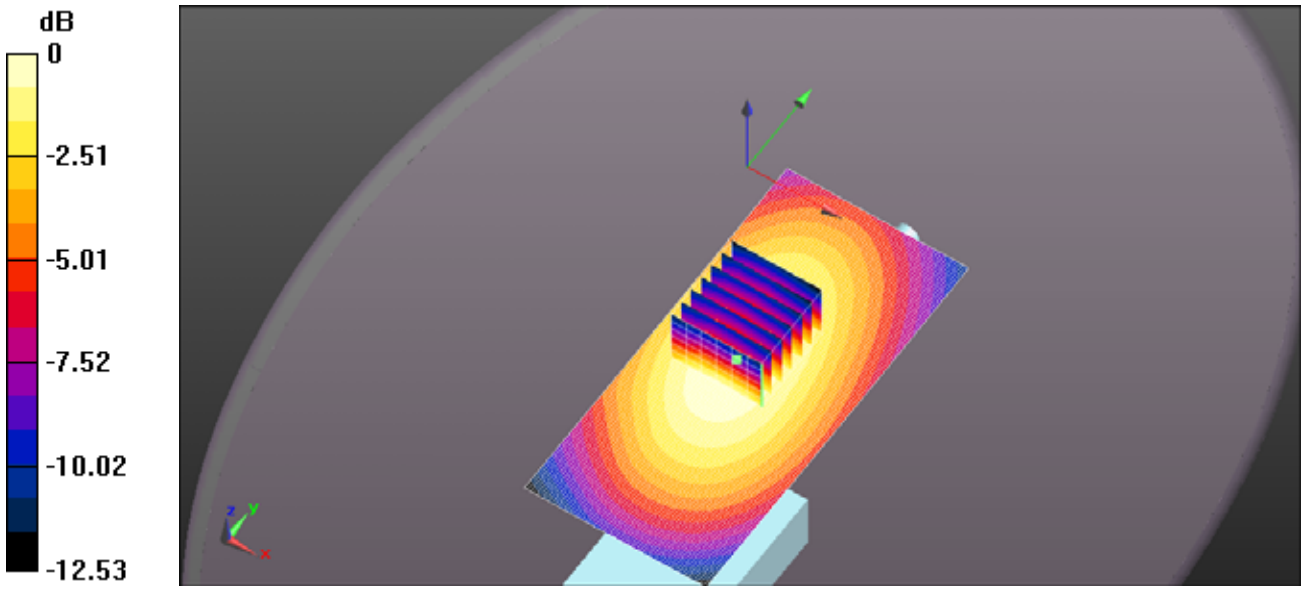
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.06 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 67.68 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 8.10 W/kg
SAR(1 g) = 6.38 W/kg; SAR(10 g) = 4.79 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.23 W/kg



0 dB = 8.06 W/kg = 9.07 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 142mm 496MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 496 MHz; σ = 0.91 S/m; ε_r = 44.628; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

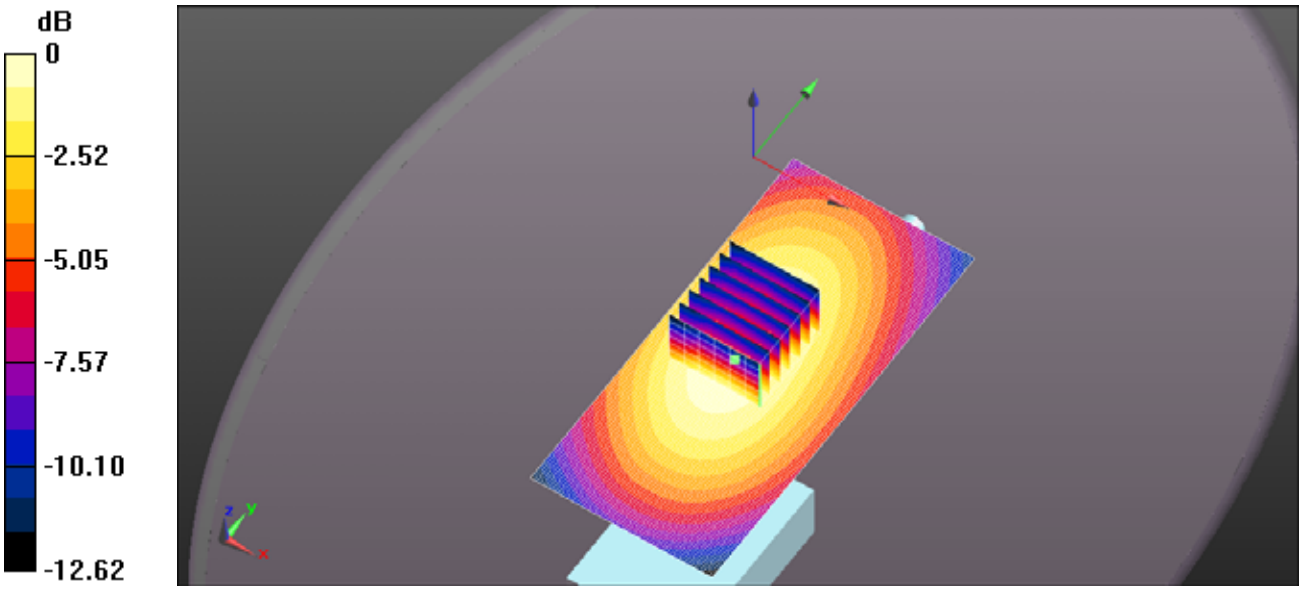
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.9 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 75.00 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 10.1 W/kg
SAR(1 g) = 7.9 W/kg; SAR(10 g) = 5.91 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.99 W/kg



0 dB = 10.9 W/kg = 10.37 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 142mm 512MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; σ = 0.921 S/m; ε_r = 44.255; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

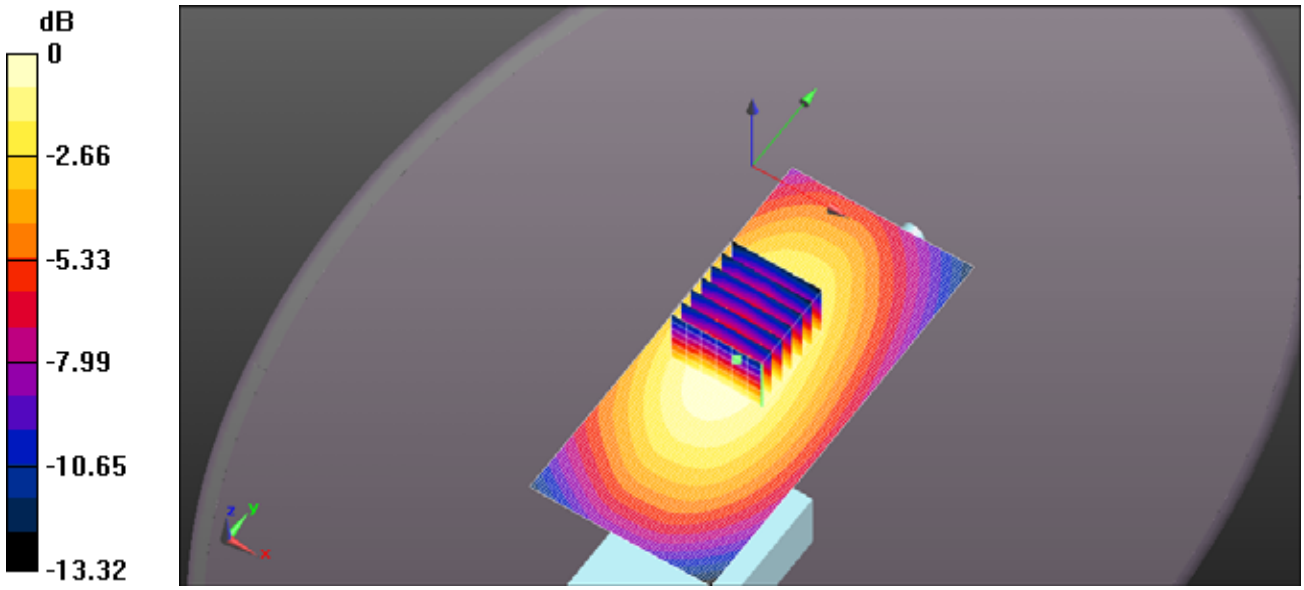
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.6 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 73.54 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 11.1 W/kg
SAR(1 g) = 8.26 W/kg; SAR(10 g) = 6.16 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.57 W/kg



0 dB = 13.6 W/kg = 11.33 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 136mm 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.897 S/m; ε_r = 45.525; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

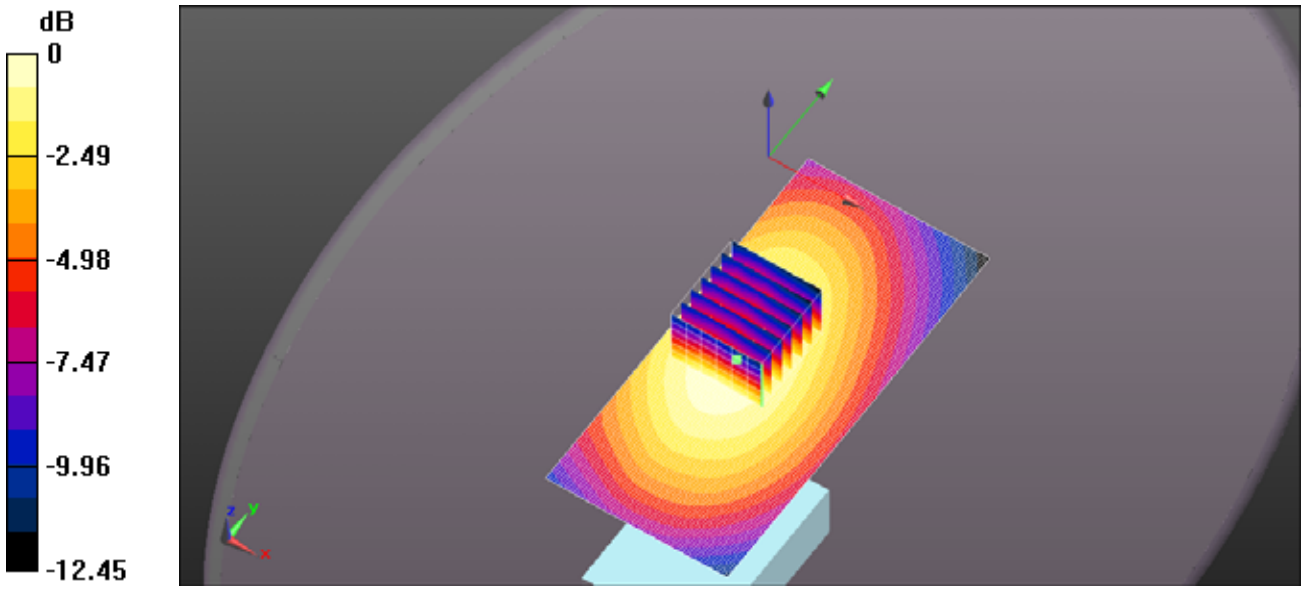
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.36 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 44.63 V/m; Power Drift = 0.30 dB
Peak SAR (extrapolated) = 4.07 W/kg
SAR(1 g) = 3.21 W/kg; SAR(10 g) = 2.41 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.61 W/kg



0 dB = 4.36 W/kg = 6.40 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 136mm 465MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: f = 465 MHz; σ = 0.899 S/m; ε_r = 45.392; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

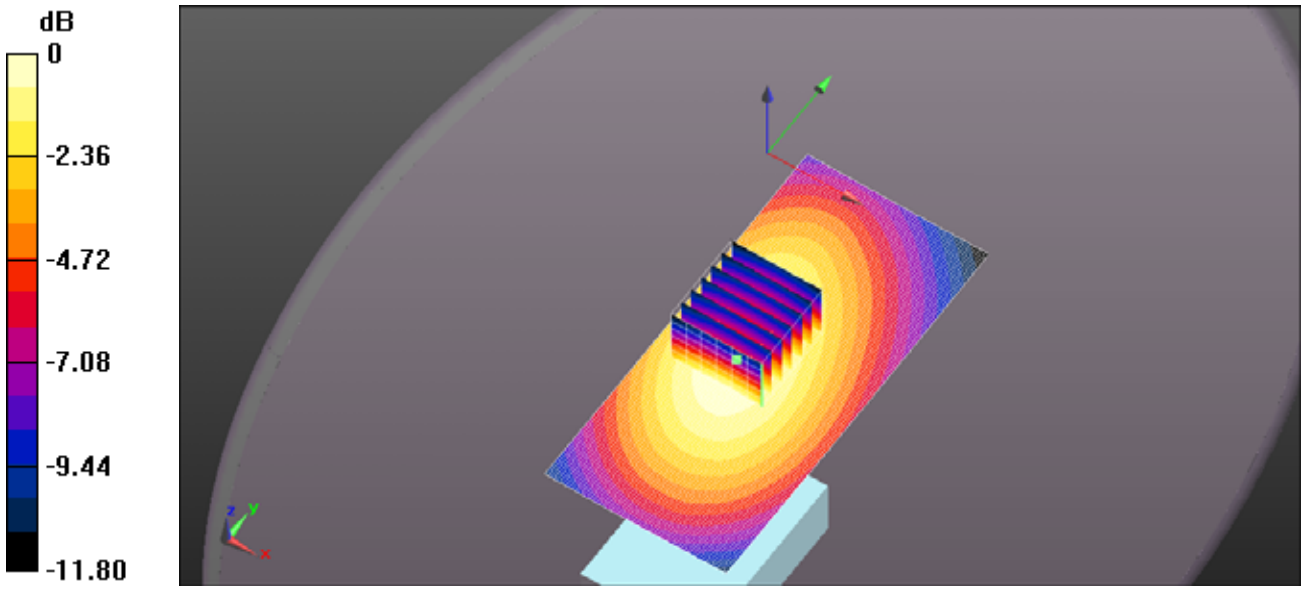
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.36 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.82 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 4.11 W/kg
SAR(1 g) = 3.17 W/kg; SAR(10 g) = 2.38 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.55 W/kg



0 dB = 4.36 W/kg = 6.40 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 136mm 480MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.903 S/m; ε_r = 45.02; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

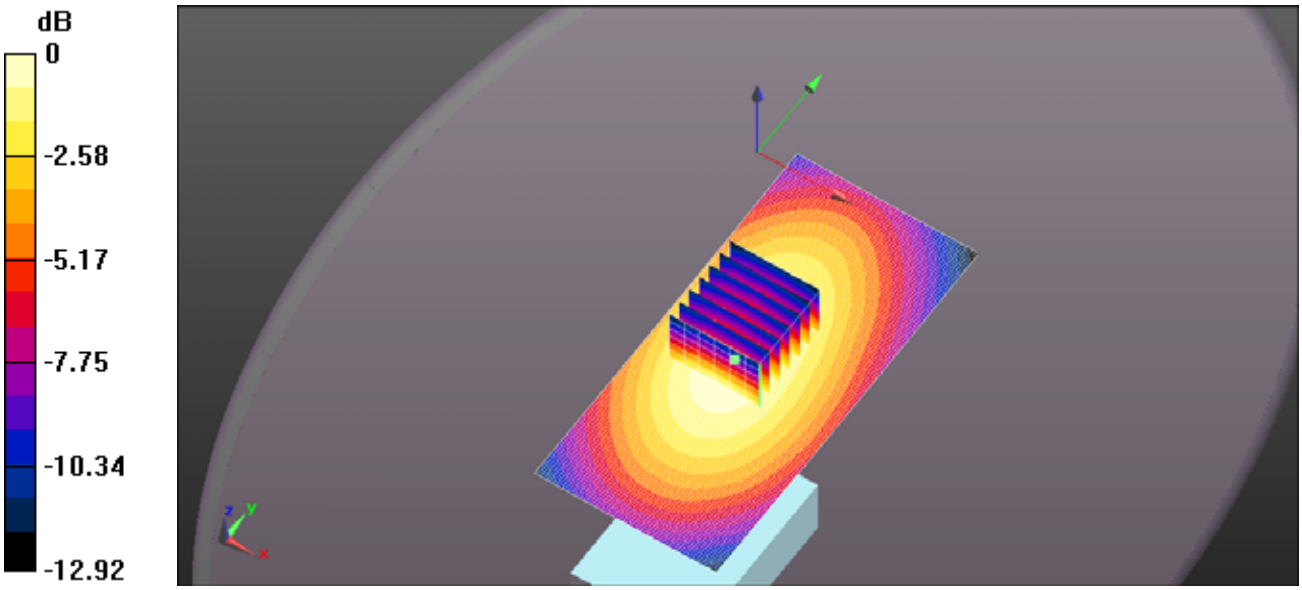
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.69 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.52 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 6.44 W/kg
SAR(1 g) = 4.9 W/kg; SAR(10 g) = 3.64 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.55 W/kg



0 dB = 6.69 W/kg = 8.26 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 136mm 496MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 496 MHz; σ = 0.91 S/m; ε_r = 44.628; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

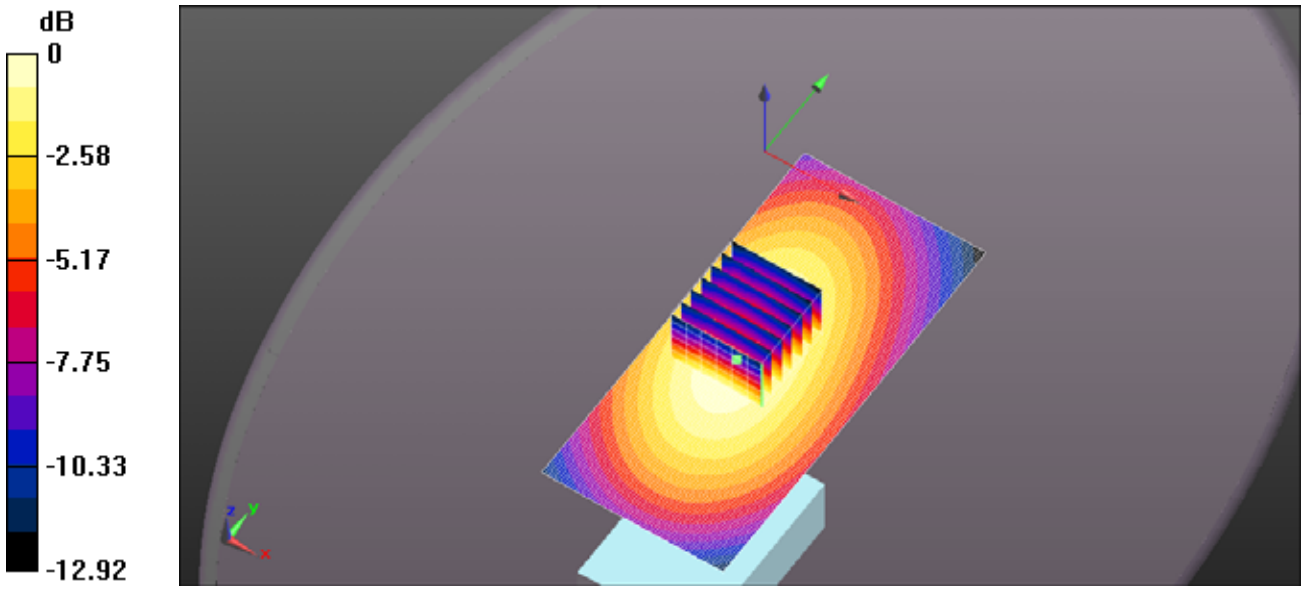
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.53 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 67.08 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 9.32 W/kg
SAR(1 g) = 7.15 W/kg; SAR(10 g) = 5.33 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.15 W/kg



0 dB = 9.53 W/kg = 9.79 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 136mm 512MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; σ = 0.921 S/m; ε_r = 44.255; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

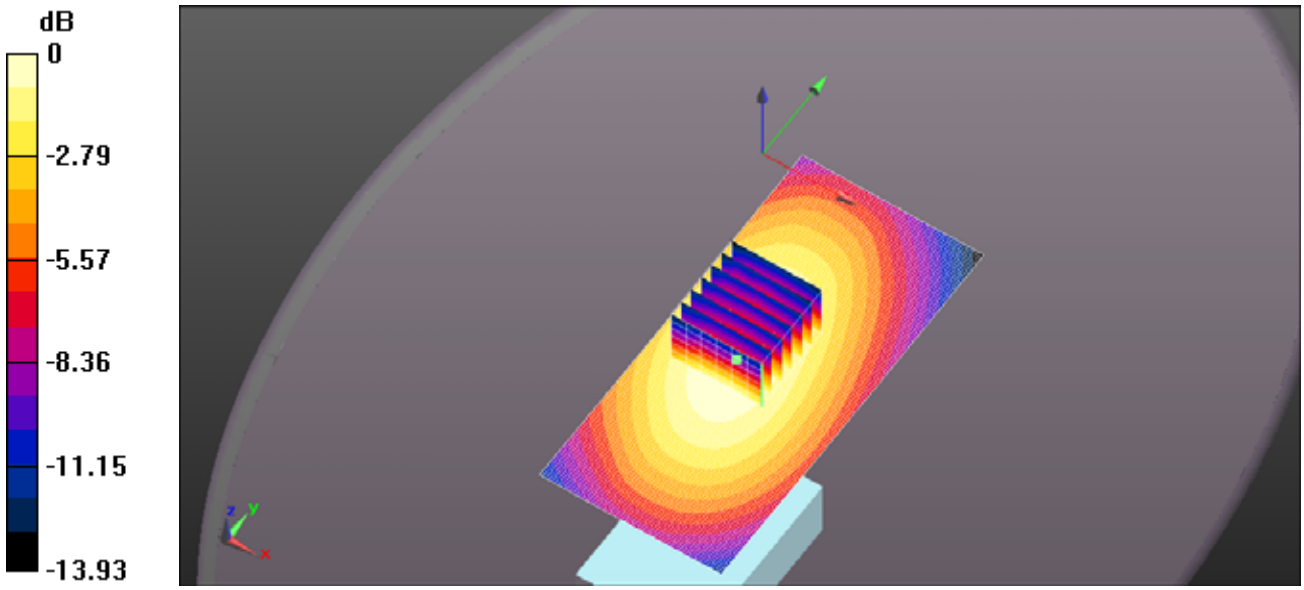
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.4 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 72.82 V/m; Power Drift = -0.30 dB
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 7.93 W/kg; SAR(10 g) = 5.91 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.12 W/kg



0 dB = 12.4 W/kg = 10.92 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 129mm 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.897 S/m; ε_r = 45.525; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

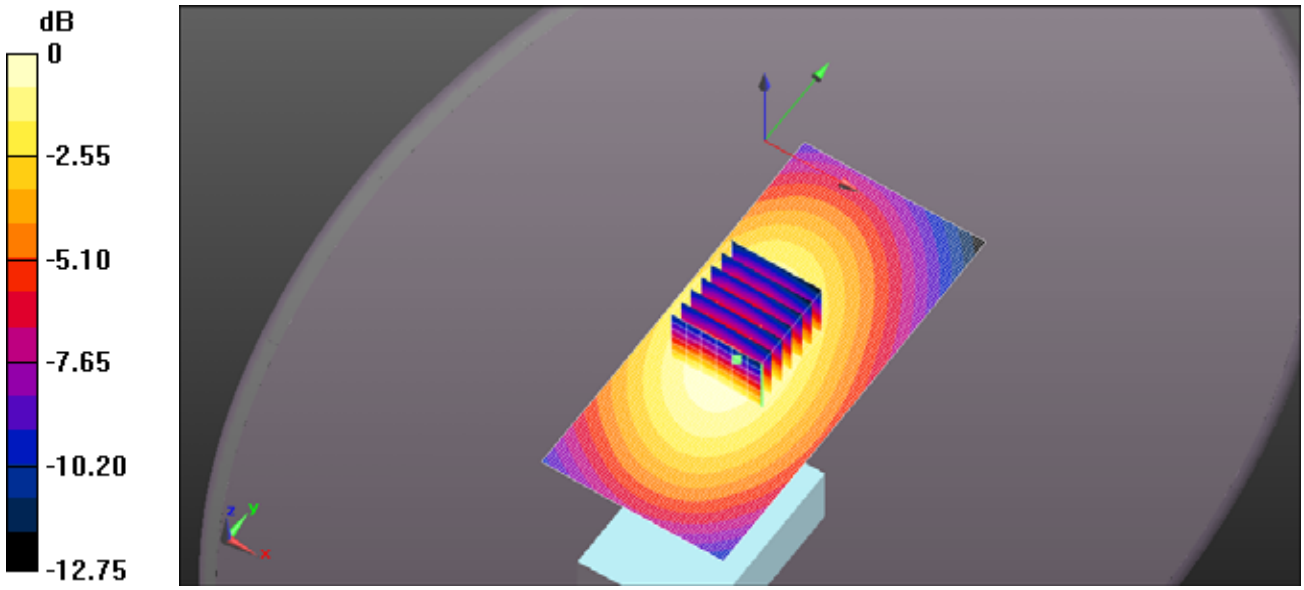
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.91 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 38.41 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 2.85 W/kg
SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.71 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.52 W/kg



0 dB = 2.91 W/kg = 4.63 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 129mm 465MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: f = 465 MHz; σ = 0.899 S/m; ε_r = 45.392; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

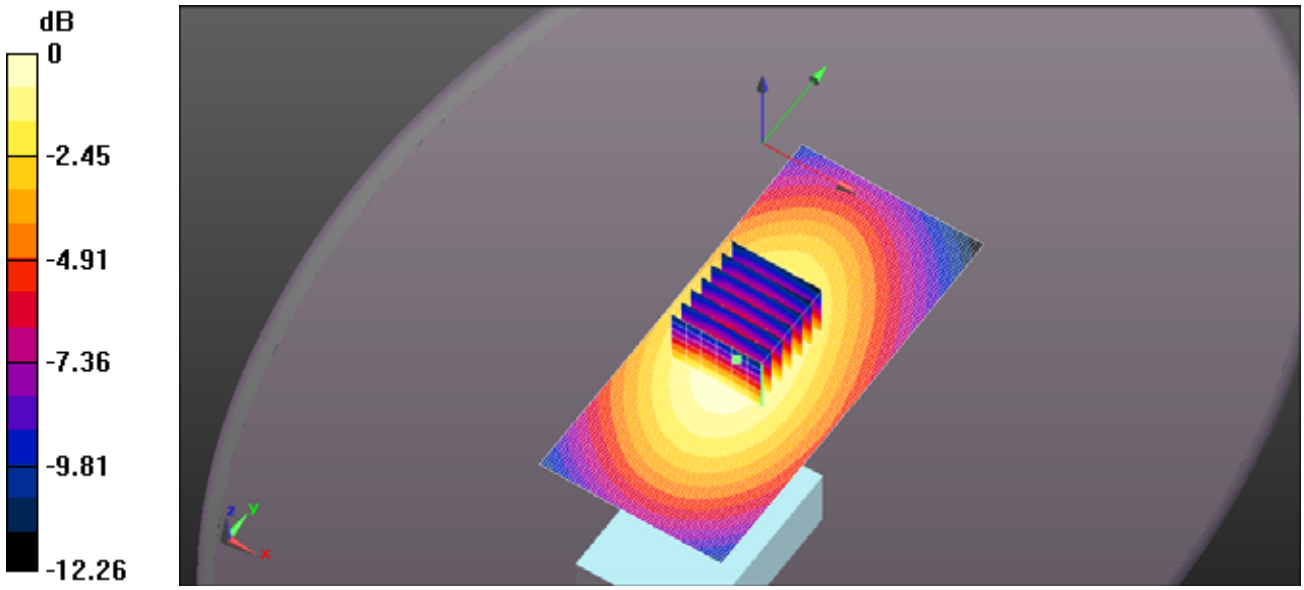
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.25 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.26 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 3.27 W/kg
SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.91 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.87 W/kg



0 dB = 3.25 W/kg = 5.12 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 129mm 480MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.903 S/m; ε_r = 45.02; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

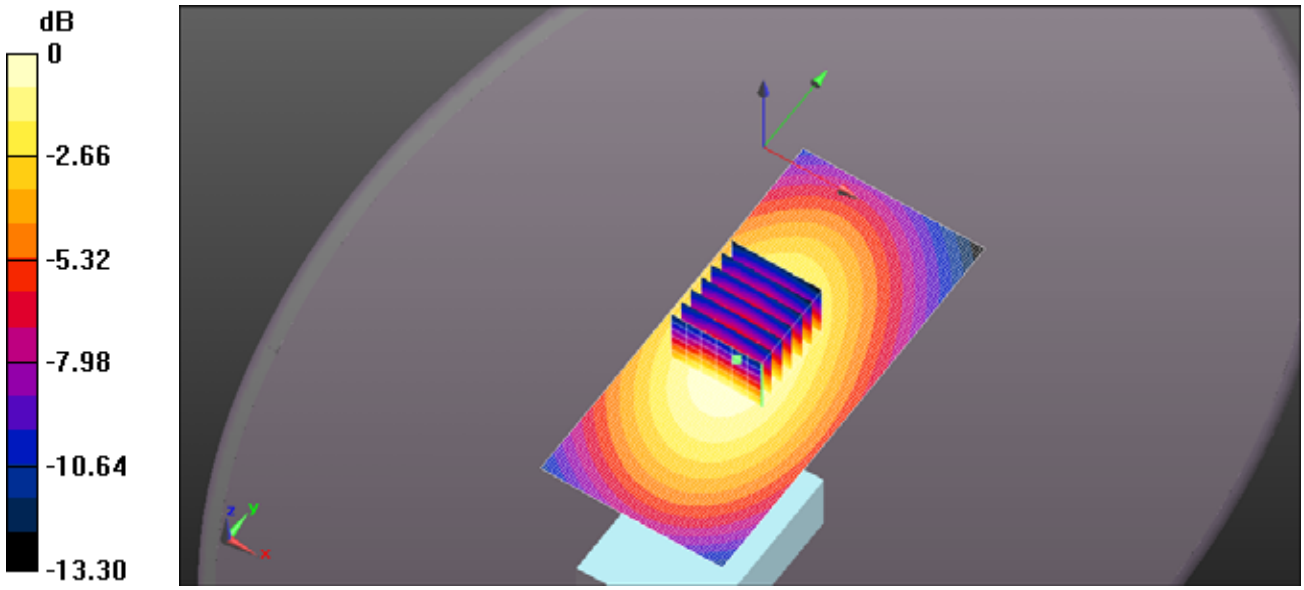
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.38 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.84 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 4.33 W/kg
SAR(1 g) = 3.39 W/kg; SAR(10 g) = 2.53 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.84 W/kg



0 dB = 4.38 W/kg = 6.42 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 129mm 500MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 500 MHz; σ = 0.912 S/m; ε_r = 44.53; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

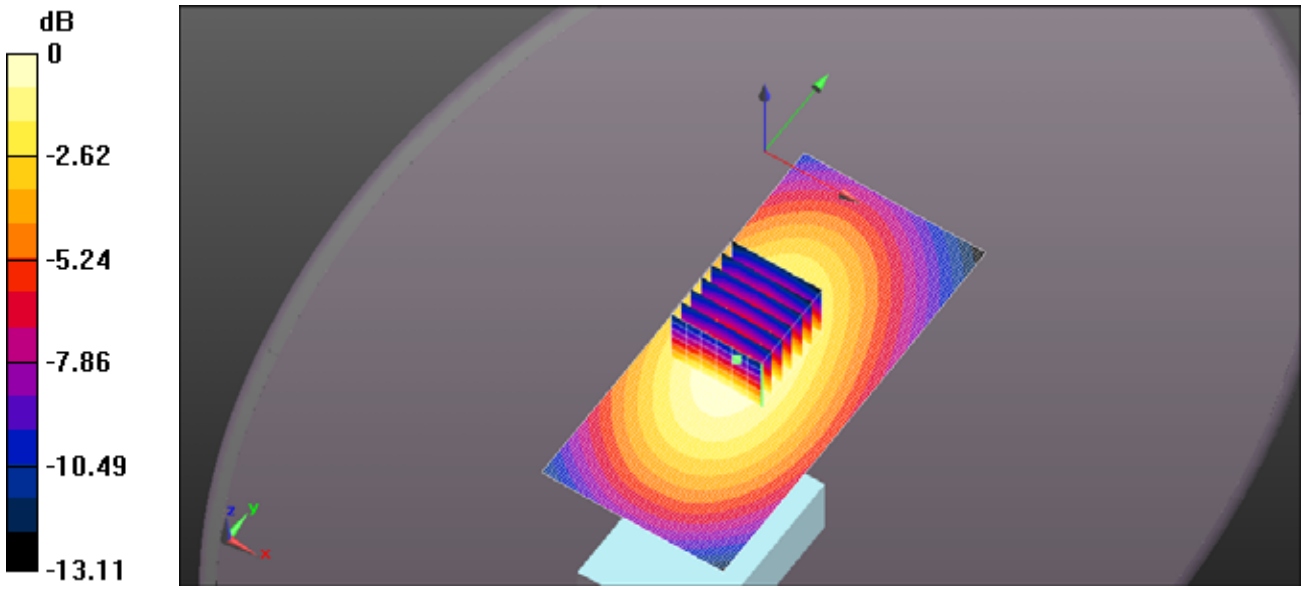
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.53 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 58.51 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 7.30 W/kg
SAR(1 g) = 5.48 W/kg; SAR(10 g) = 4.08 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.29 W/kg



0 dB = 7.53 W/kg = 8.77 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 129mm 512MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; σ = 0.921 S/m; ε_r = 44.255; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

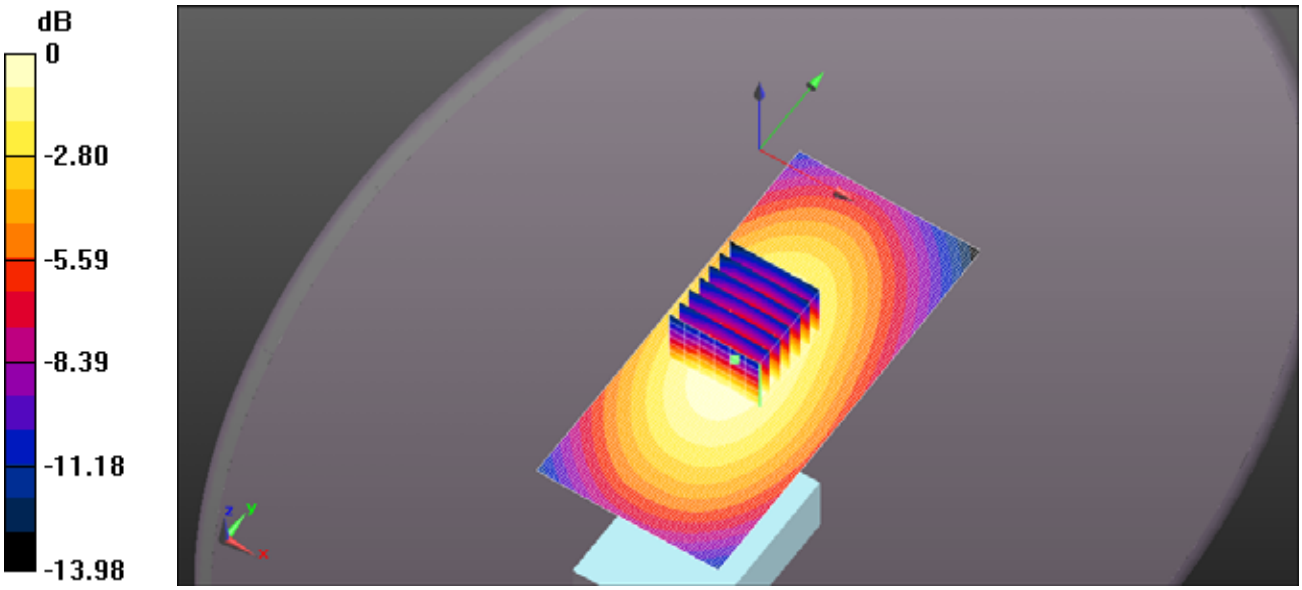
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.9 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 74.05 V/m; Power Drift = -0.31 dB
Peak SAR (extrapolated) = 10.5 W/kg
SAR(1 g) = 7.8 W/kg; SAR(10 g) = 5.82 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.01 W/kg



0 dB = 11.9 W/kg = 10.74 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 125mm 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.897 S/m; ε_r = 45.525; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

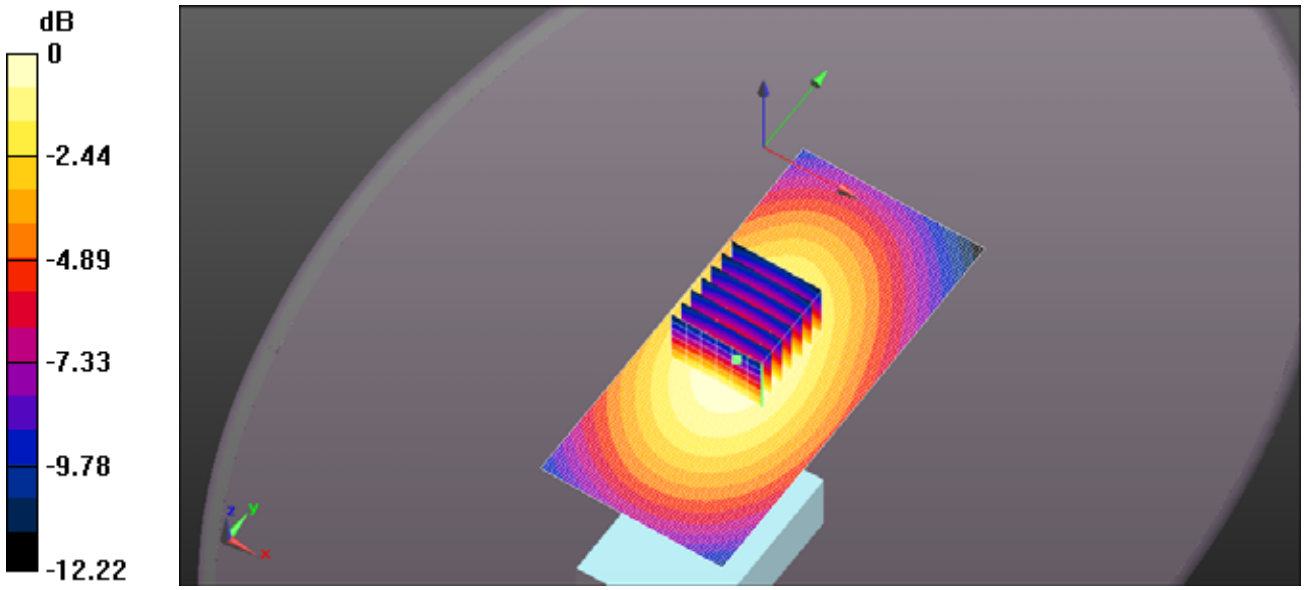
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.47 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.48 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.47 W/kg
SAR(1 g) = 1.88 W/kg; SAR(10 g) = 1.41 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.12 W/kg



0 dB = 2.47 W/kg = 3.92 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 125mm 465MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: f = 465 MHz; σ = 0.899 S/m; ε_r = 45.392; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

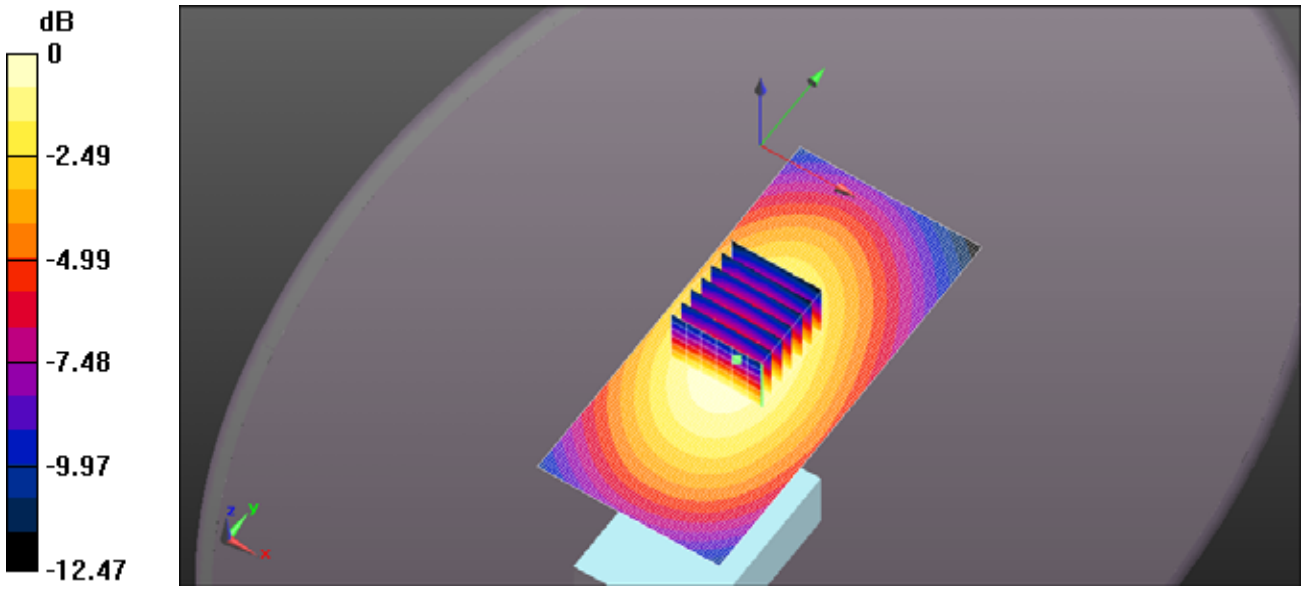
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.66 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 37.91 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 2.66 W/kg
SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.51 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.27 W/kg



0 dB = 2.66 W/kg = 4.25 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 125mm 480MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.903 S/m; ε_r = 45.02; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

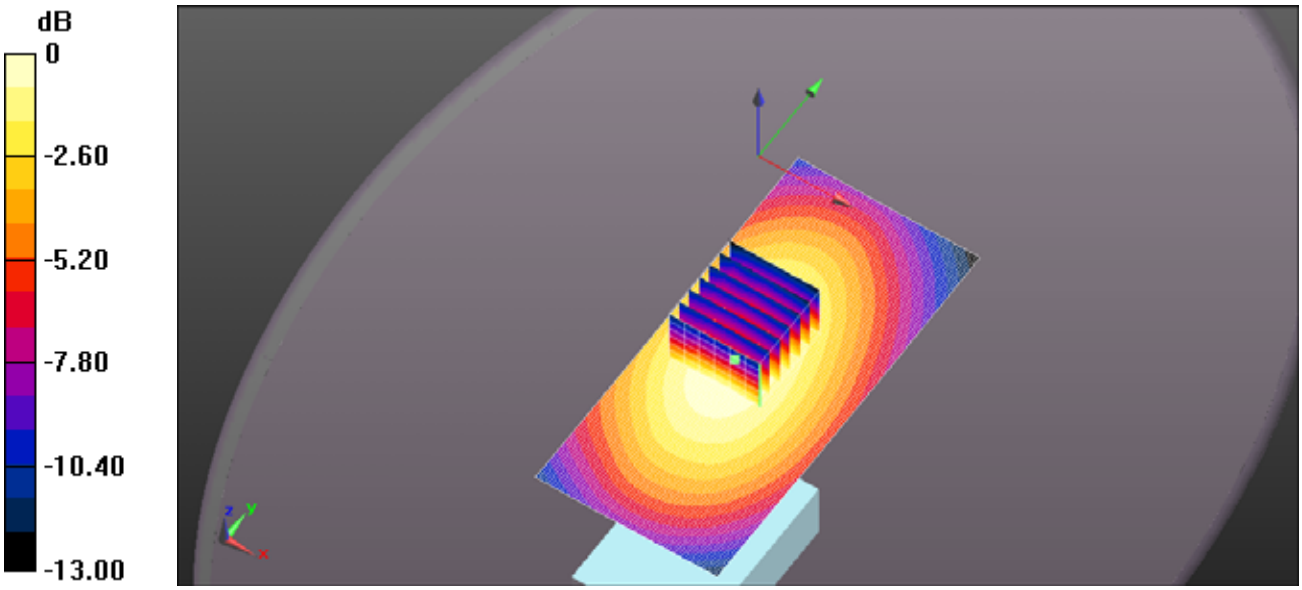
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.62 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.88 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 3.47 W/kg
SAR(1 g) = 2.66 W/kg; SAR(10 g) = 1.99 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.01 W/kg



0 dB = 3.62 W/kg = 5.58 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 125mm 496MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 496 MHz; σ = 0.91 S/m; ε_r = 44.628; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

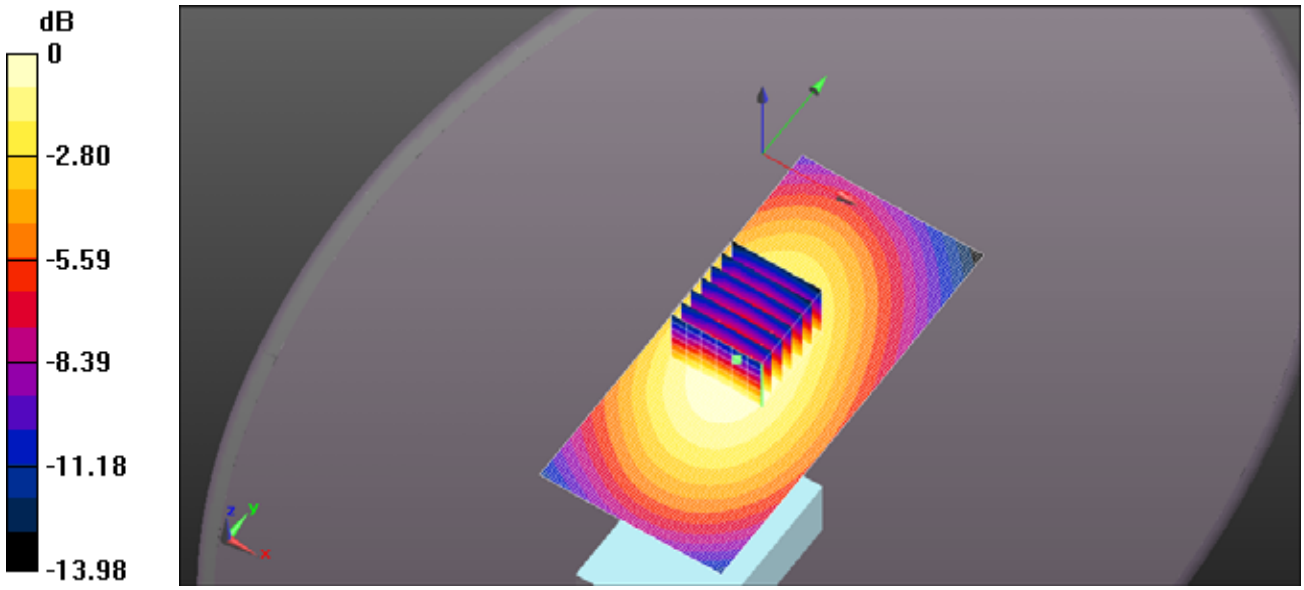
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.36 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 51.98 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 5.35 W/kg
SAR(1 g) = 4.1 W/kg; SAR(10 g) = 3.07 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.69 W/kg



0 dB = 5.36 W/kg = 7.29 dBW/kg

Test Laboratory: Ultratech Labs

2File Name: ICOM-461Q FA-SC61UC 125mm 512MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; σ = 0.921 S/m; ε_r = 44.255; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

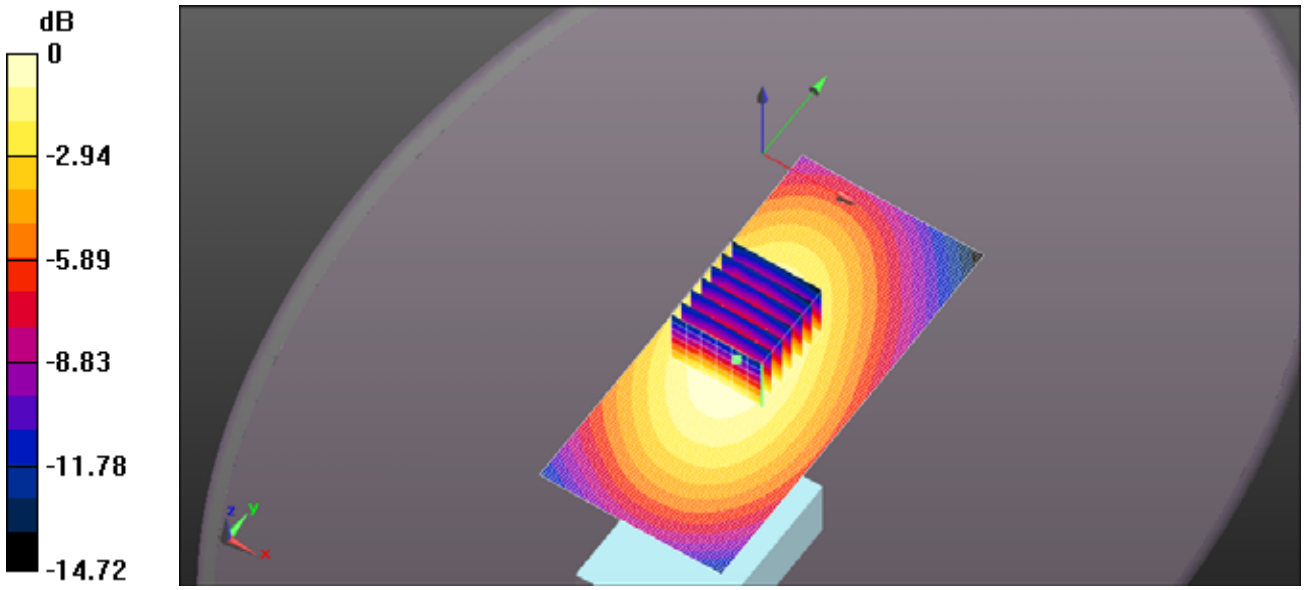
- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.91 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 65.78 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 9.52 W/kg
SAR(1 g) = 7.06 W/kg; SAR(10 g) = 5.24 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.15 W/kg



0 dB = 9.91 W/kg = 9.96 dBW/kg

EXHIBIT 3. BODY SAR MEASUREMENTS

Antenna	Power (dBm)	CH	CH. Freq (MHz)	BODY SAR1g (W/Kg) BP-290 1950mAh	BODY SAR10g (W/Kg) BP-290 1950mAh
FA-S57U 440-470 MHz	37.19	1	450	5.78	4.2
	37.25	2	460	5.87	4.33
	37.28	4	470	6.64	4.86
FA-S72U 470-512 MHz	37.28	4	470	5.32	3.92
	37.25	6	491	7.99	5.88
	37.30	9	512	8.19	6.00
FA-S73US 450-470 MHz	37.19	1	450	2.66	1.93
	37.25	2	460	1.62	1.19
	37.28	4	470	1.04	0.755

Cut Antenna	Power (dBm)	CH	CH. Freq (MHz)	BODY SAR1g (W/Kg) BP-290 1950mAh	BODY SAR10g (W/Kg) BP-290 1950mAh
FA-S61UC 460MHz 142mm	37.19	1	450	6.91	5.03
	37.25	2	460	6.98	5.13
	37.25	5	480	7.64	5.58
	37.28	7	496	7.74	5.68
	37.30	9	512	8.21	5.98
FA-S61UC 480MHz 136mm	37.19	1	450	5.41	3.93
	37.28	3	465	6.1	4.49
	37.25	5	480	7.13	5.22
	37.28	7	496	9.31	6.81
	37.30	9	512	8.46	6.18
FA-S61UC 500MHz 129mm	37.19	1	450	4.09	2.97
	37.25	3	465	4.04	3.55
	37.25	5	480	6.48	4.76
	37.27	8	500	8.56	6.26
	37.30	9	512	8.32	6.09
FA-S61UC 520MHz 125mm	37.19	1	450	3.05	2.22
	37.25	3	465	3.73	2.73
	37.25	5	480	5.51	4.03
	37.28	7	496	6.81	4.97
	37.30	9	512	8.53	6.25

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC57U 450MHz HM-233GP.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.908 S/m; ε_r = 56.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

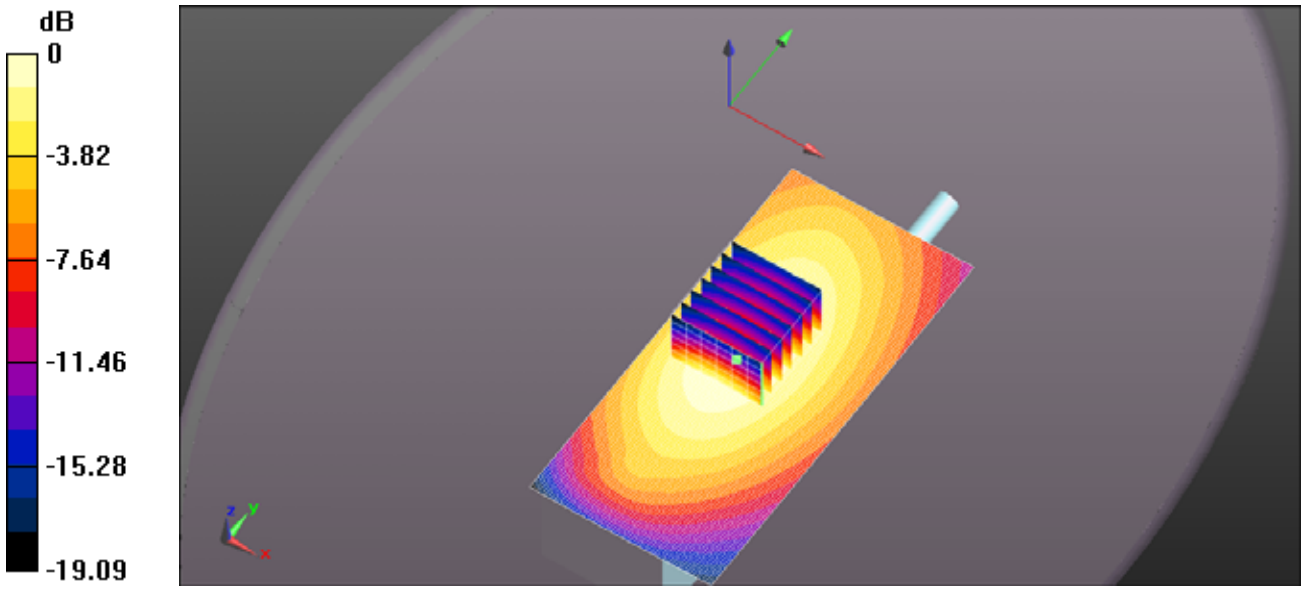
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.54 W/kg

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 82.45 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 7.46 W/kg
SAR(1 g) = 5.78 W/kg; SAR(10 g) = 4.2 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.26 W/kg



0 dB = 7.54 W/kg = 8.77 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC57U 460MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; σ = 0.915 S/m; ε_r = 56.435; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

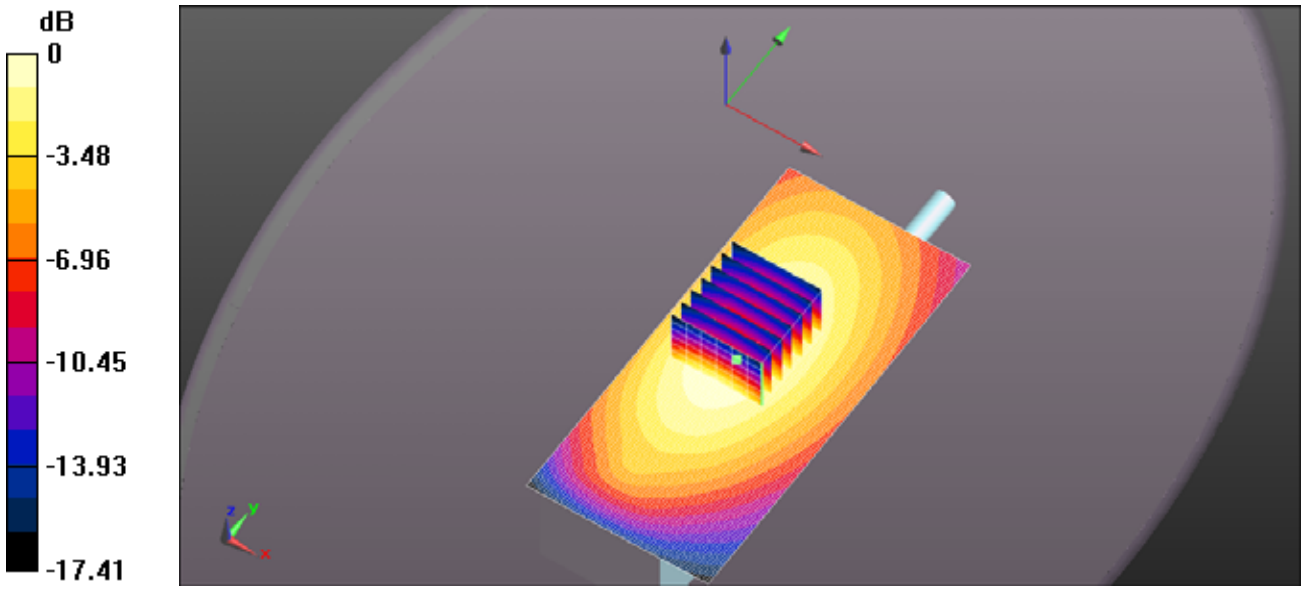
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.03 W/kg

Configuration_Body_IC-F62D/Body Back, P=1W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 86.08 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 7.85 W/kg
SAR(1 g) = 5.87 W/kg; SAR(10 g) = 4.33 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.56 W/kg



0 dB = 8.03 W/kg = 9.04 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC57U 470MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: f = 470 MHz; σ = 0.921 S/m; ε_r = 56.295; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

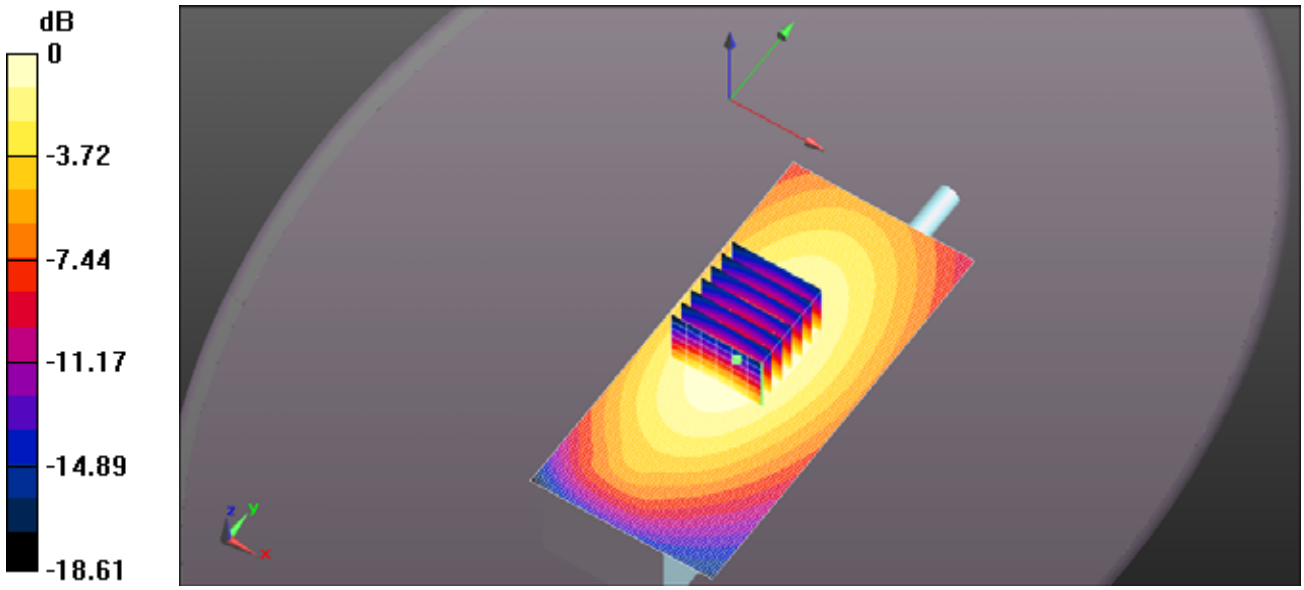
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.97 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 93.09 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 8.87 W/kg
SAR(1 g) = 6.64 W/kg; SAR(10 g) = 4.86 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.40 W/kg



0 dB = 8.97 W/kg = 9.53 dBW/kg

Test Laboratory: Ultratech Labs
File Name: ICOM-461Q FA-SC72U 470MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: f = 470 MHz; σ = 0.921 S/m; ε_r = 56.295; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

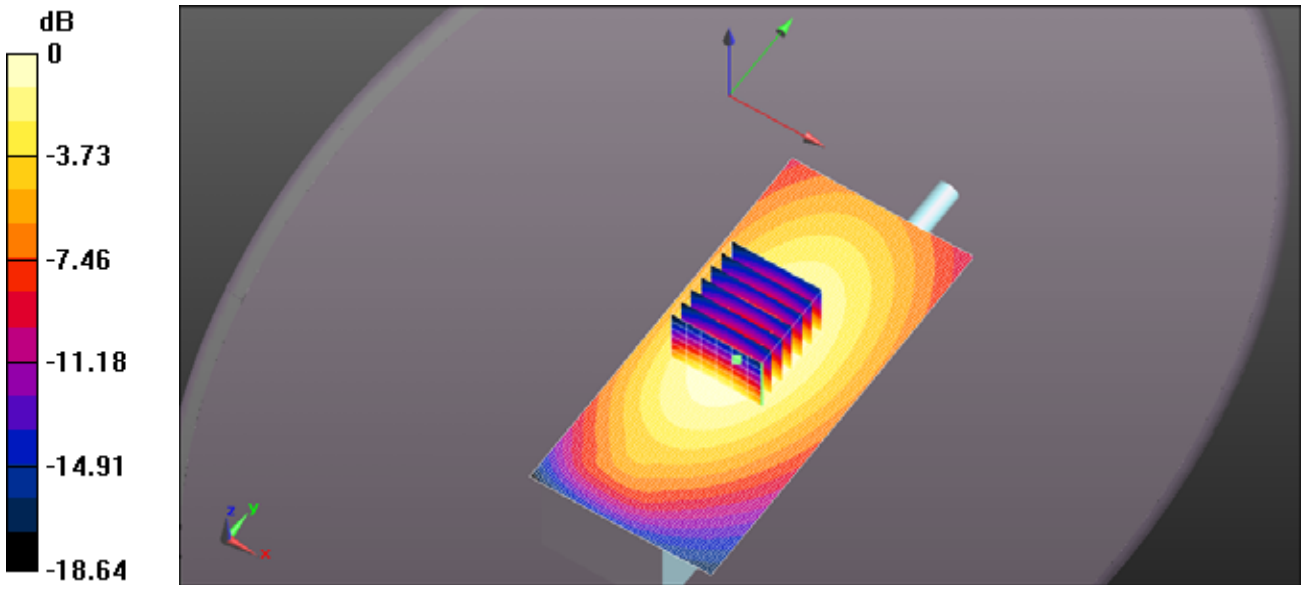
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.17 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.26 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 7.19 W/kg
SAR(1 g) = 5.37 W/kg; SAR(10 g) = 3.92 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.98 W/kg



0 dB = 7.17 W/kg = 8.55 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC72U 491MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 491 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 491 MHz; σ = 0.939 S/m; ε_r = 55.893; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

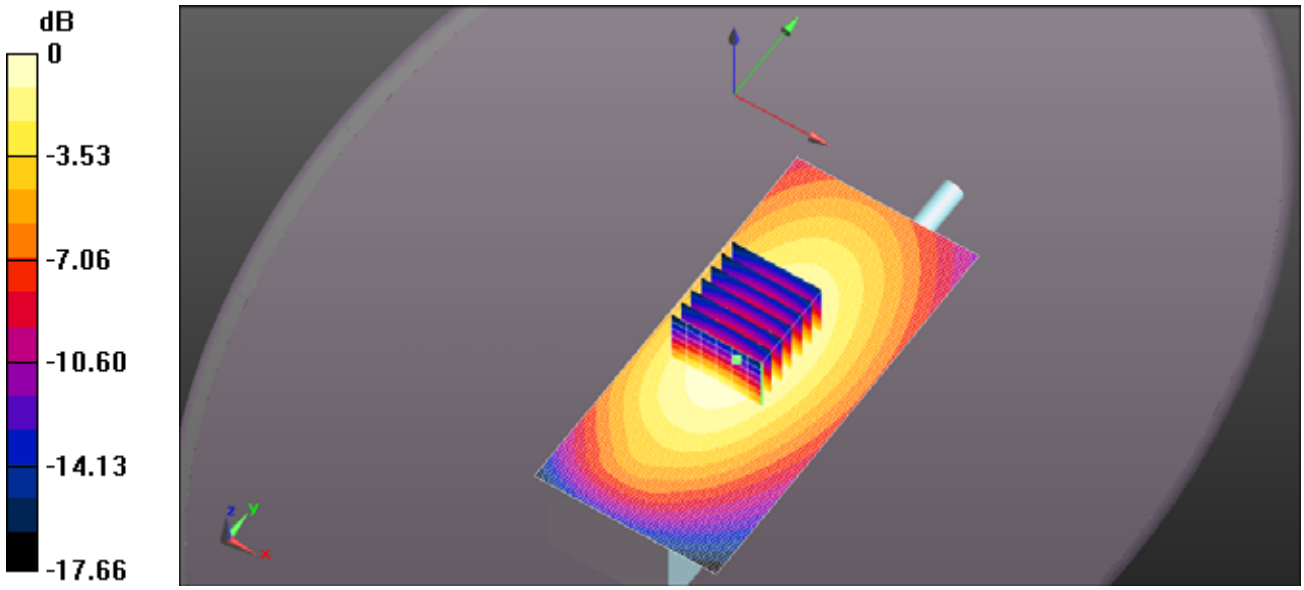
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.7 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 97.56 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 7.99 W/kg; SAR(10 g) = 5.88 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.92 W/kg



0 dB = 10.7 W/kg = 10.29 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC72U 512MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; σ = 0.961 S/m; ε_r = 55.475; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

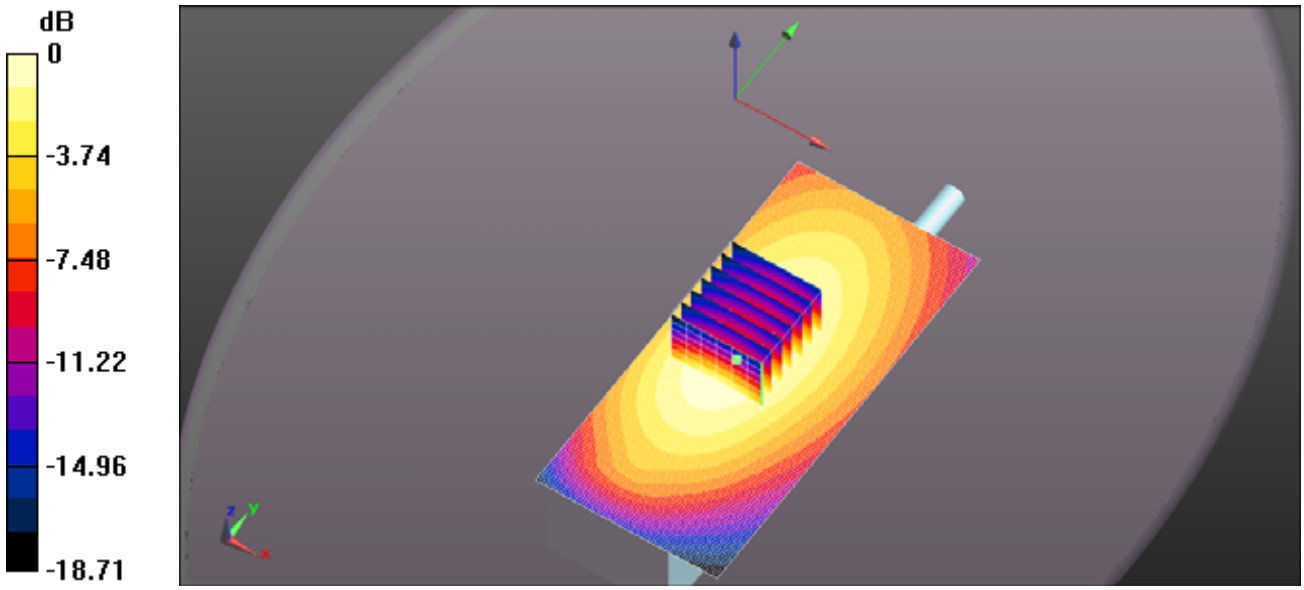
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.4 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 100.9 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 10.9 W/kg
SAR(1 g) = 8.19 W/kg; SAR(10 g) = 6 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.10 W/kg



0 dB = 12.4 W/kg = 10.92 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC73US 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.908 S/m; ε_r = 56.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

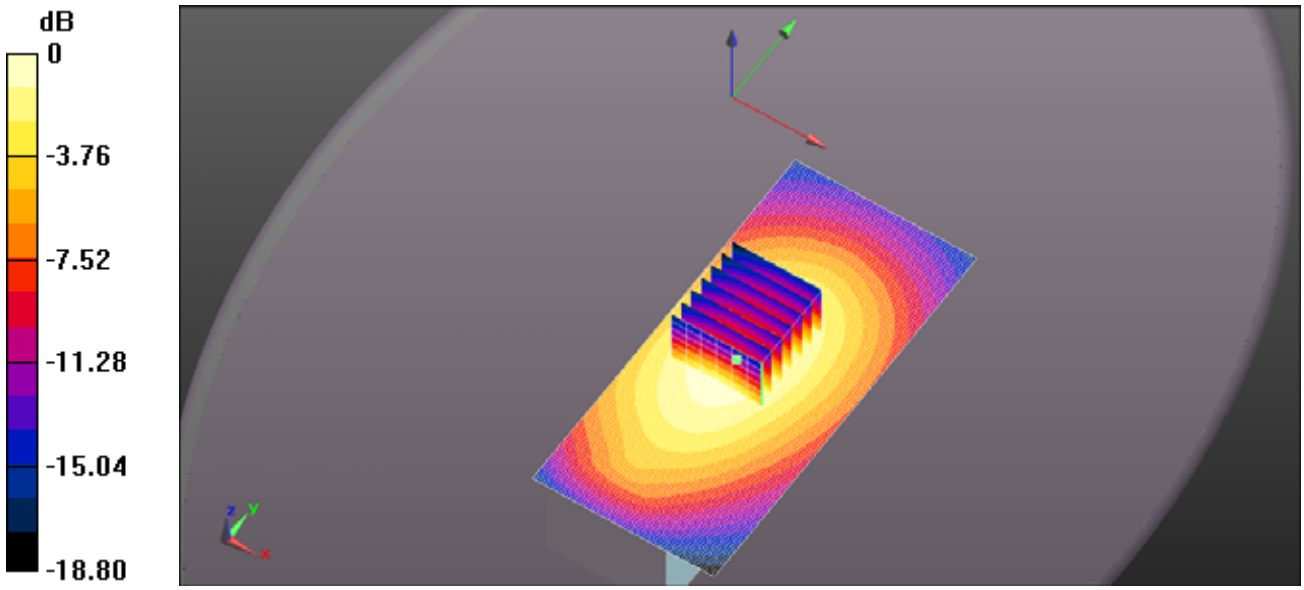
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.81 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 57.55 V/m; Power Drift = -0.26 dB
Peak SAR (extrapolated) = 3.45 W/kg
SAR(1 g) = 2.66 W/kg; SAR(10 g) = 1.93 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.87 W/kg



0 dB = 3.81 W/kg = 5.81 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC73US 460MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; σ = 0.915 S/m; ε_r = 56.435; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

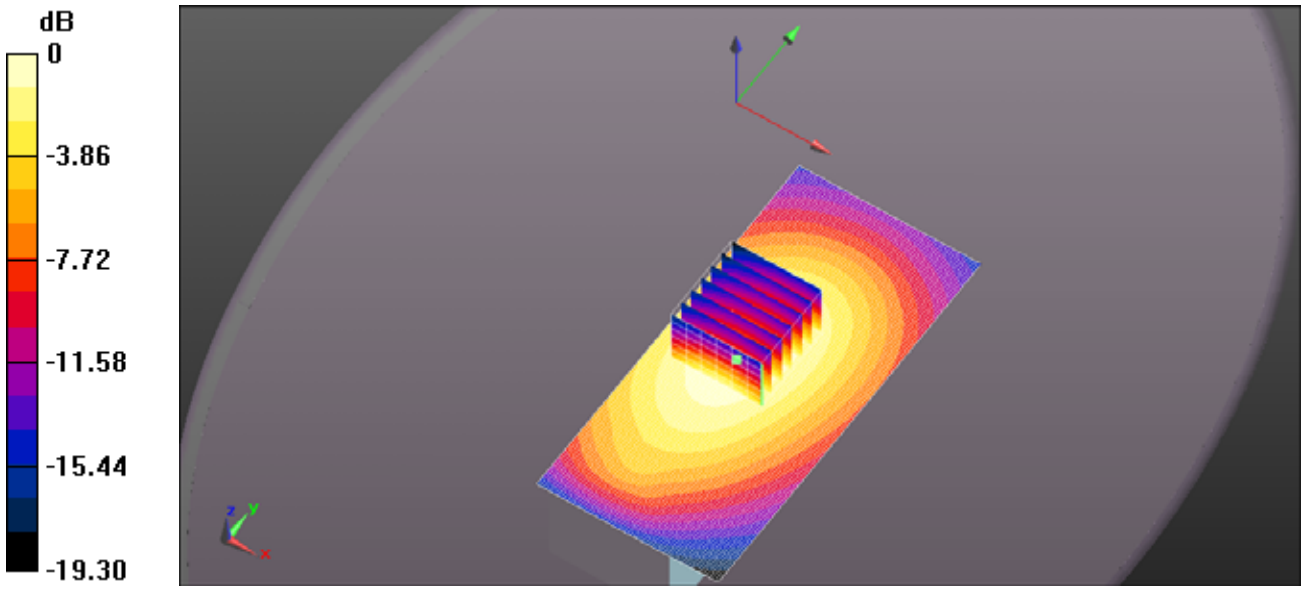
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.48 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.21 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 1.62 W/kg; SAR(10 g) = 1.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.79 W/kg



0 dB = 2.48 W/kg = 3.94 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC73US 470MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: f = 470 MHz; σ = 0.921 S/m; ε_r = 56.295; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

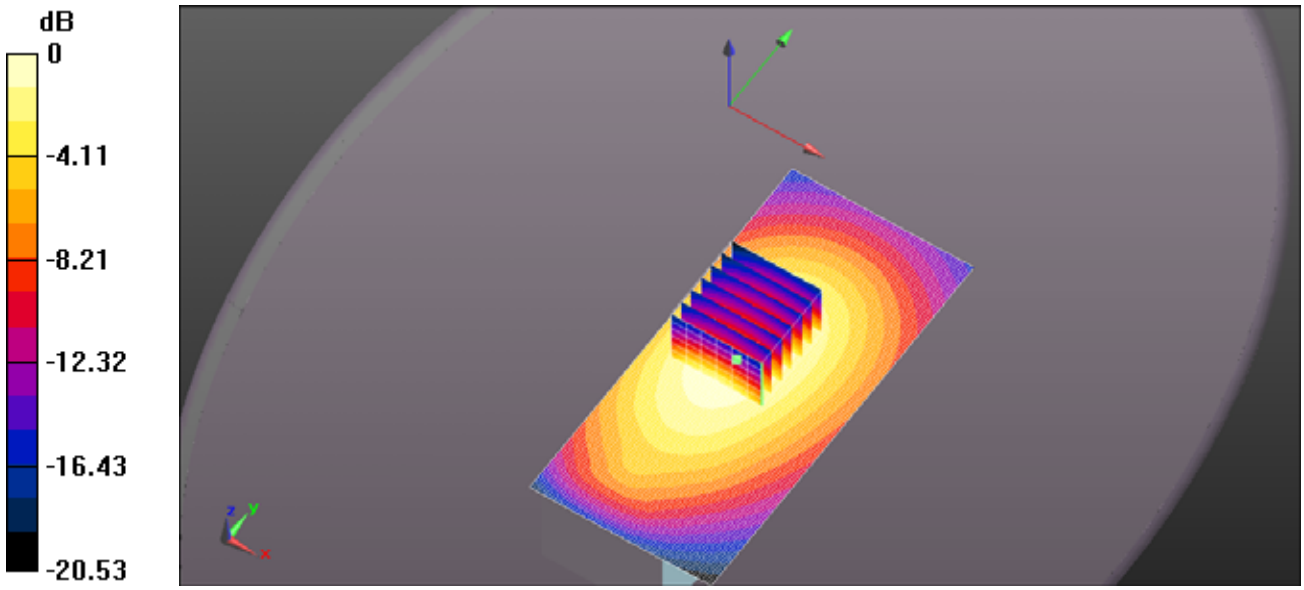
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.44 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 35.53 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.40 W/kg
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.755 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 142mm 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.908 S/m; ε_r = 56.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

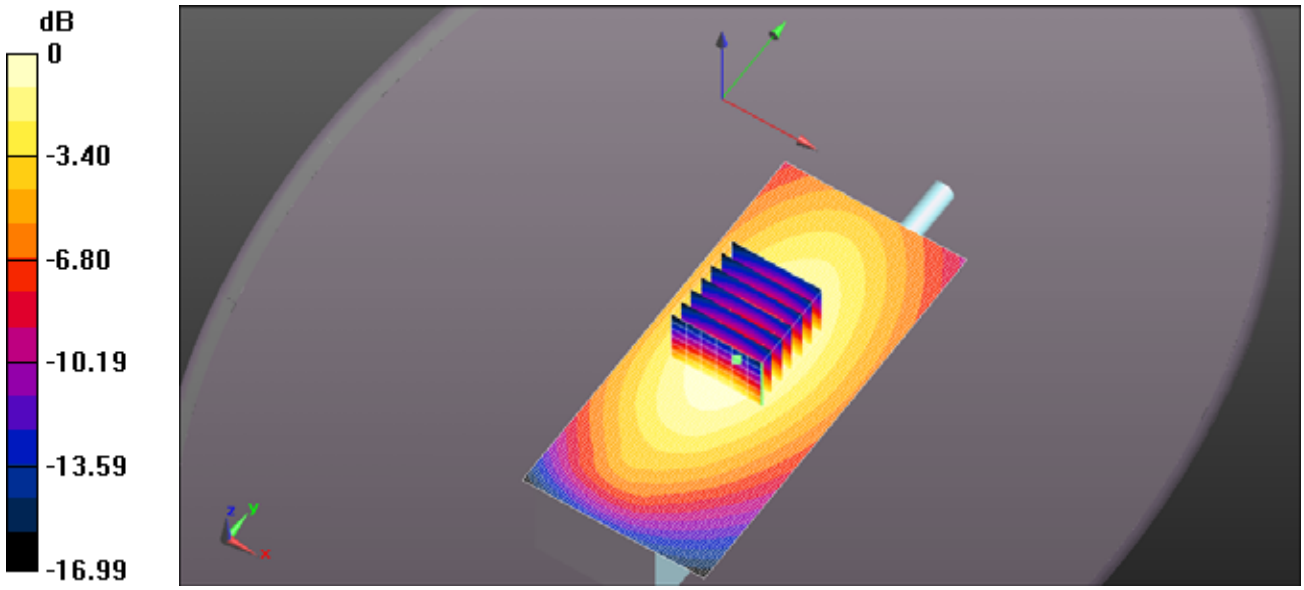
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.10 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 96.40 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 8.94 W/kg
SAR(1 g) = 6.91 W/kg; SAR(10 g) = 5.03 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.47 W/kg



0 dB = 9.10 W/kg = 9.59 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 142mm 460MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: f = 460 MHz; σ = 0.915 S/m; ε_r = 56.435; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

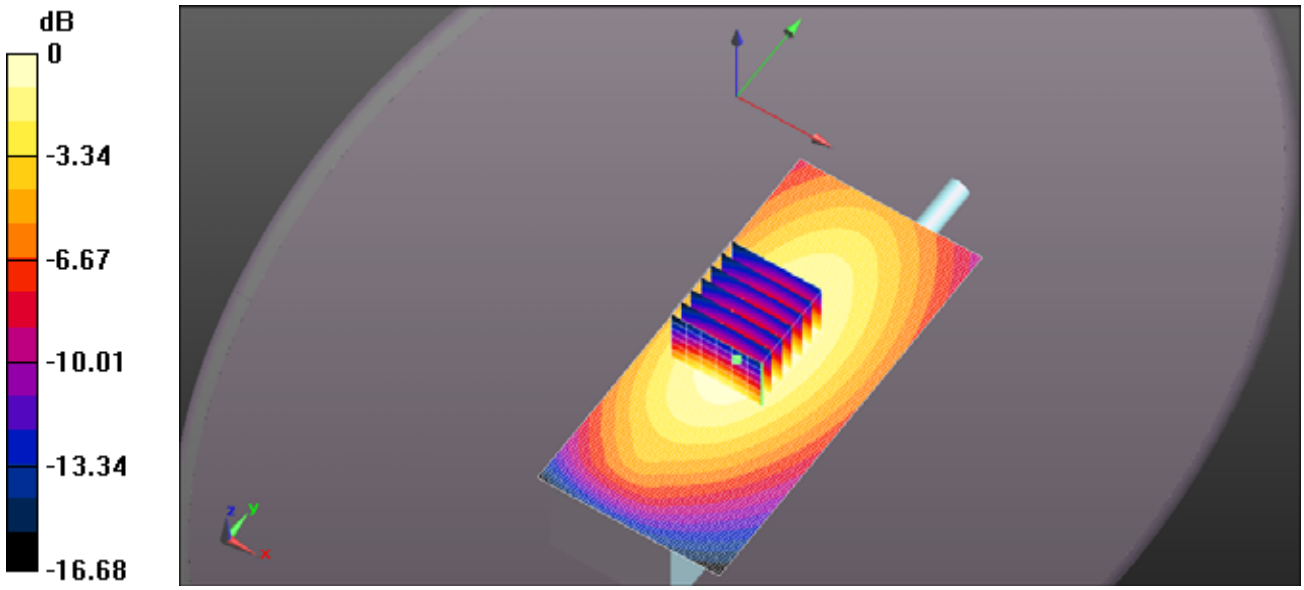
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.57 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 96.22 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 9.31 W/kg
SAR(1 g) = 6.98 W/kg; SAR(10 g) = 5.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.71 W/kg



0 dB = 9.57 W/kg = 9.81 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 142mm 480MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.93 S/m; ε_r = 56.075; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

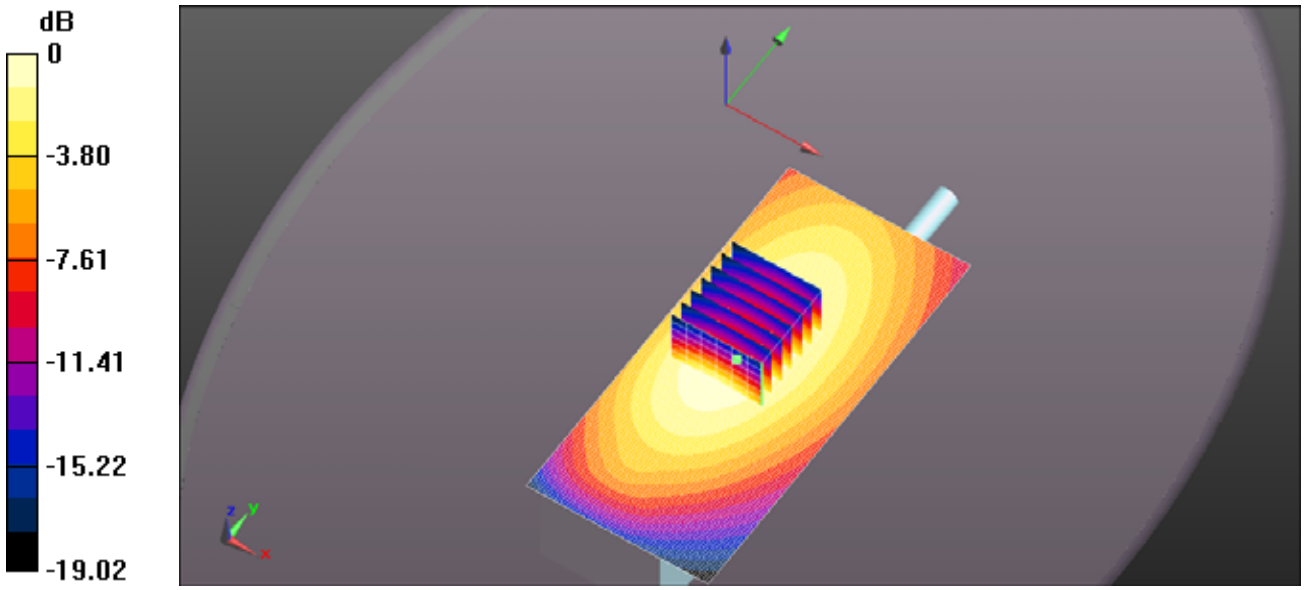
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

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

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 99.22 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = 10.3 W/kg
SAR(1 g) = 7.64 W/kg; SAR(10 g) = 5.58 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.55 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 142mm 496MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 496 MHz; σ = 0.944 S/m; ε_r = 55.8; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

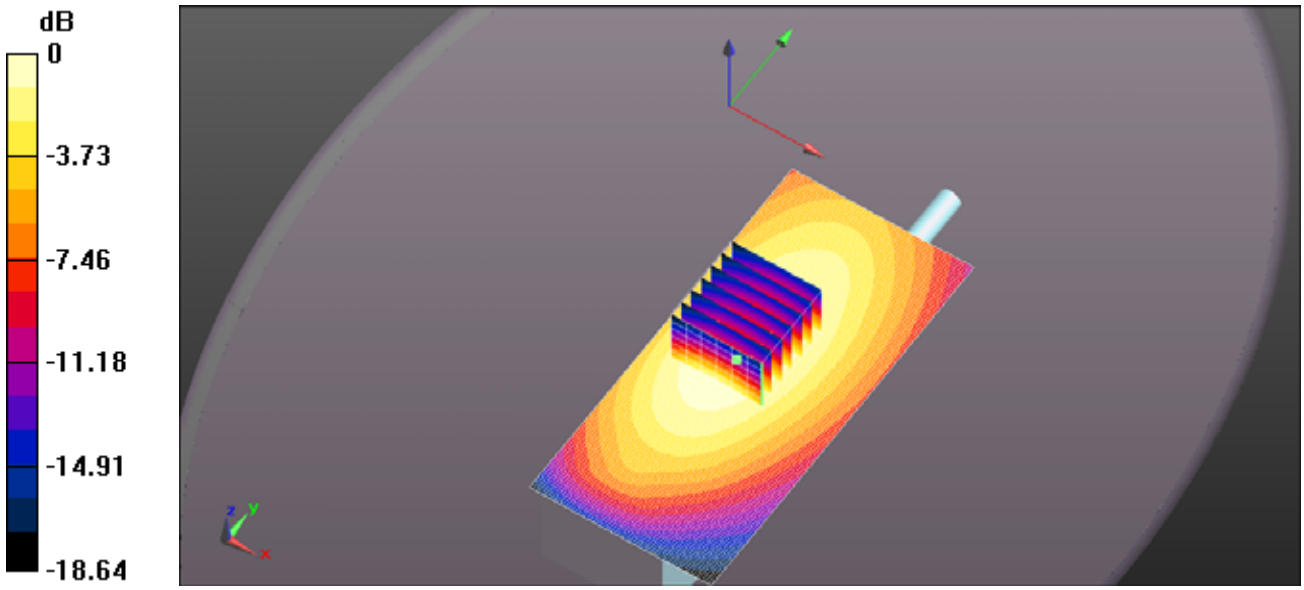
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.7 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 99.91 V/m; Power Drift = -0.26 dB
Peak SAR (extrapolated) = 10.3 W/kg
SAR(1 g) = 7.74 W/kg; SAR(10 g) = 5.68 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.62 W/kg



0 dB = 11.7 W/kg = 10.68 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 142mm 512MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; σ = 0.961 S/m; ε_r = 55.475; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

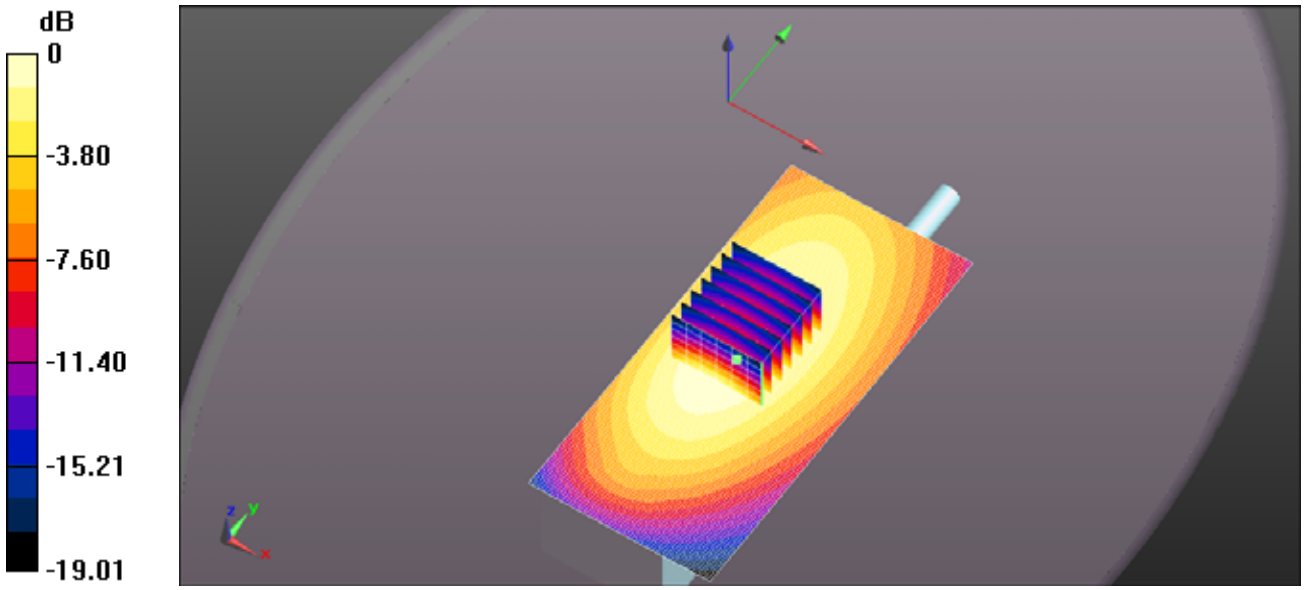
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.0 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 99.47 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 11.0 W/kg
SAR(1 g) = 8.21 W/kg; SAR(10 g) = 5.98 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.23 W/kg



0 dB = 11.0 W/kg = 10.43 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 136mm 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.908 S/m; ε_r = 56.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

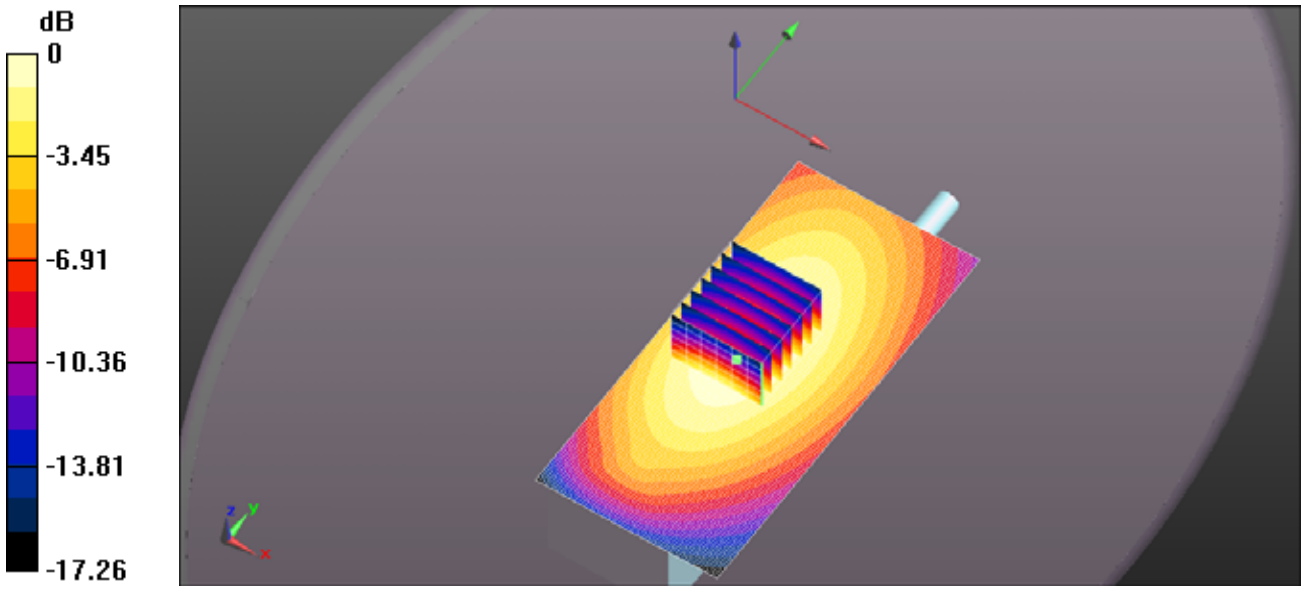
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.15 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 80.12 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 6.98 W/kg
SAR(1 g) = 5.41 W/kg; SAR(10 g) = 3.93 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.85 W/kg



0 dB = 7.15 W/kg = 8.54 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 136mm 465MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: f = 465 MHz; σ = 0.919 S/m; ε_r = 56.398; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

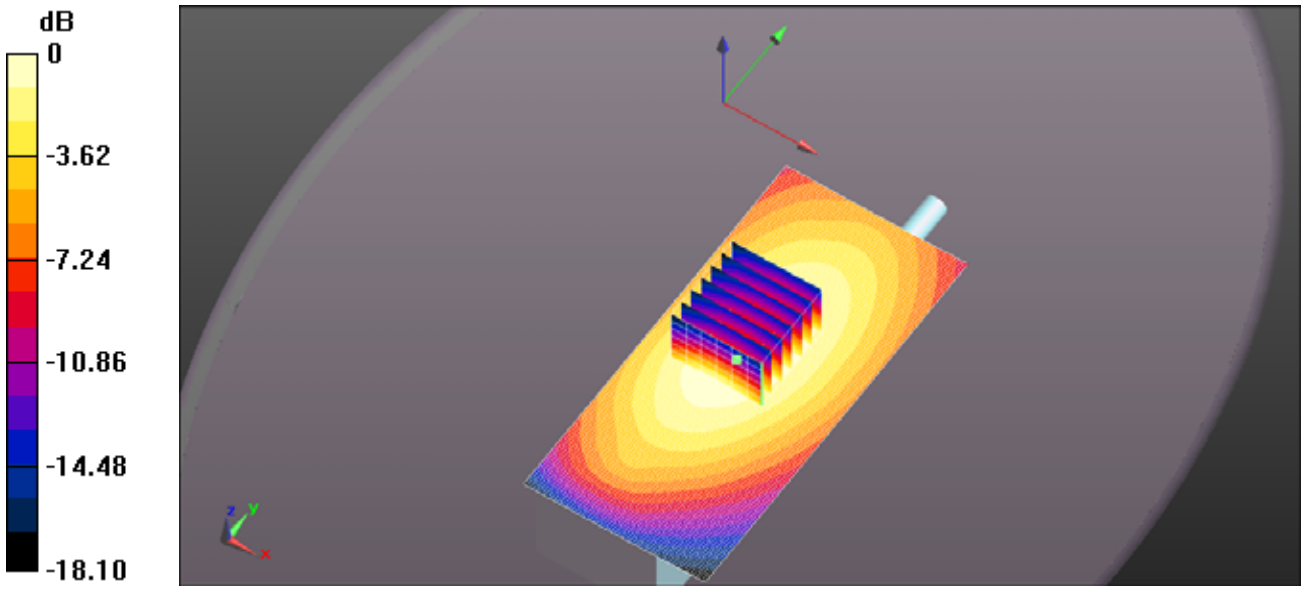
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.27 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 91.59 V/m; Power Drift = -0.29 dB
Peak SAR (extrapolated) = 8.11 W/kg
SAR(1 g) = 6.1 W/kg; SAR(10 g) = 4.49 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.75 W/kg



0 dB = 8.27 W/kg = 9.18 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 136mm 480MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.93 S/m; ε_r = 56.075; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

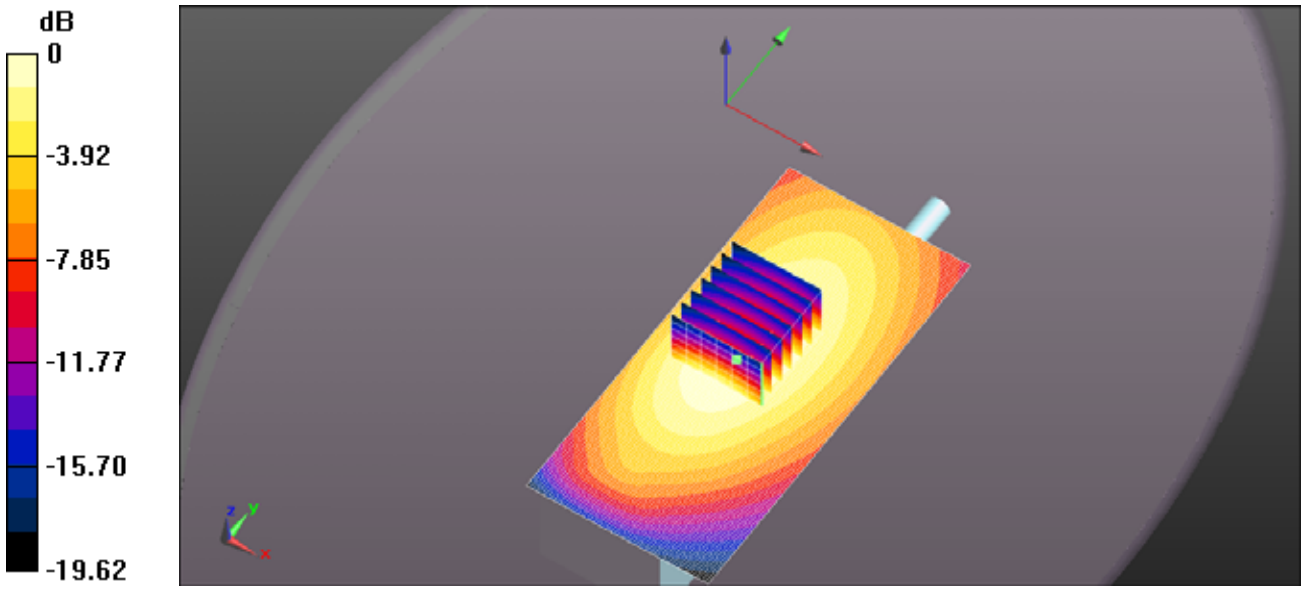
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.69 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 95.27 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 9.56 W/kg
SAR(1 g) = 7.13 W/kg; SAR(10 g) = 5.22 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.97 W/kg



0 dB = 9.69 W/kg = 9.86 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 136mm 496MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 496 MHz; σ = 0.944 S/m; ε_r = 55.8; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

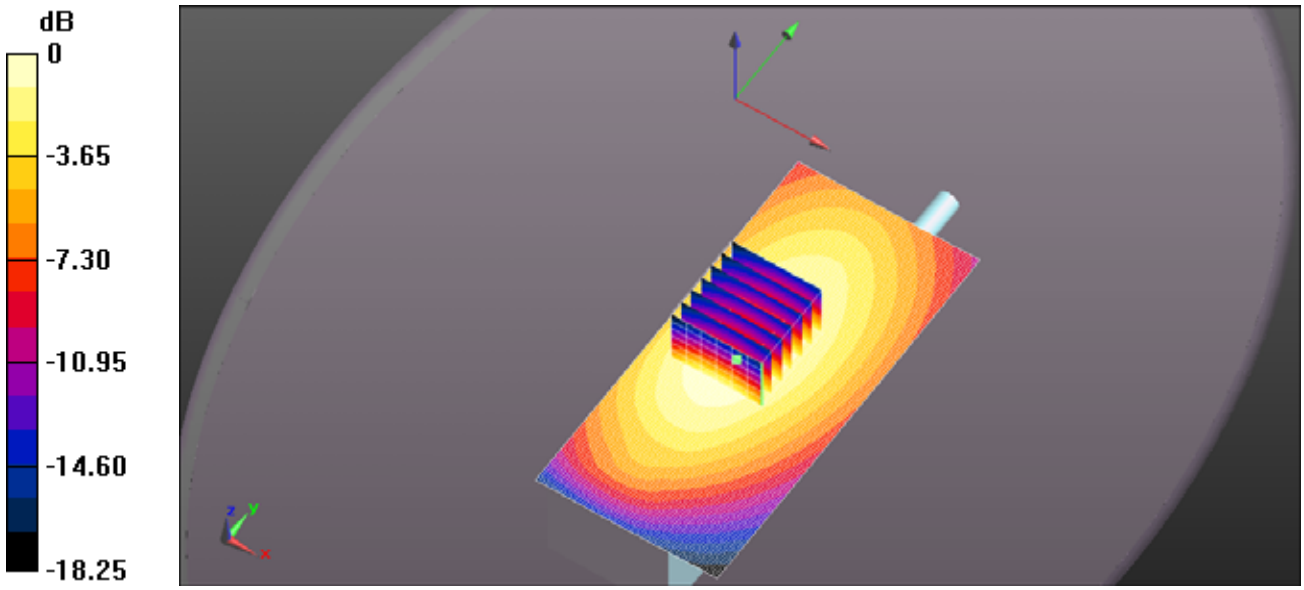
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.8 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 110.3 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = 12.5 W/kg
SAR(1 g) = 9.31 W/kg; SAR(10 g) = 6.81 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.4 W/kg



0 dB = 12.8 W/kg = 11.07 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 136mm 512MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; σ = 0.961 S/m; ε_r = 55.475; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

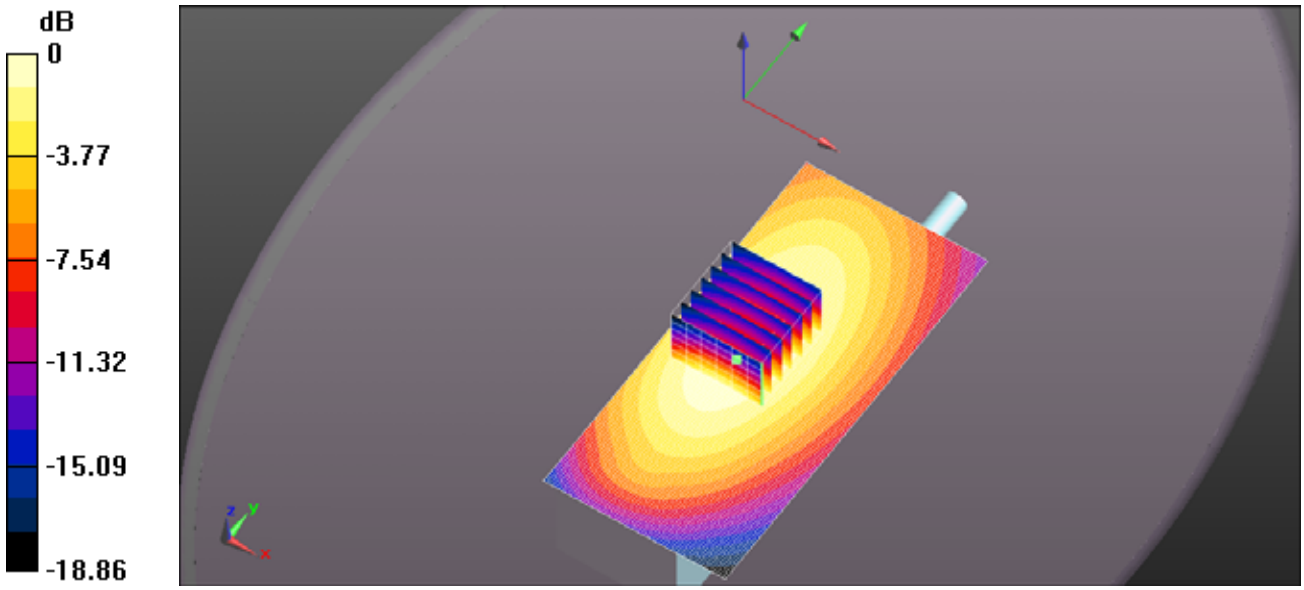
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.0 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 99.09 V/m; Power Drift = -0.25 dB
Peak SAR (extrapolated) = 11.3 W/kg
SAR(1 g) = 8.46 W/kg; SAR(10 g) = 6.18 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.38 W/kg



0 dB = 13.0 W/kg = 11.12 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 129mm 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.908 S/m; ε_r = 56.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

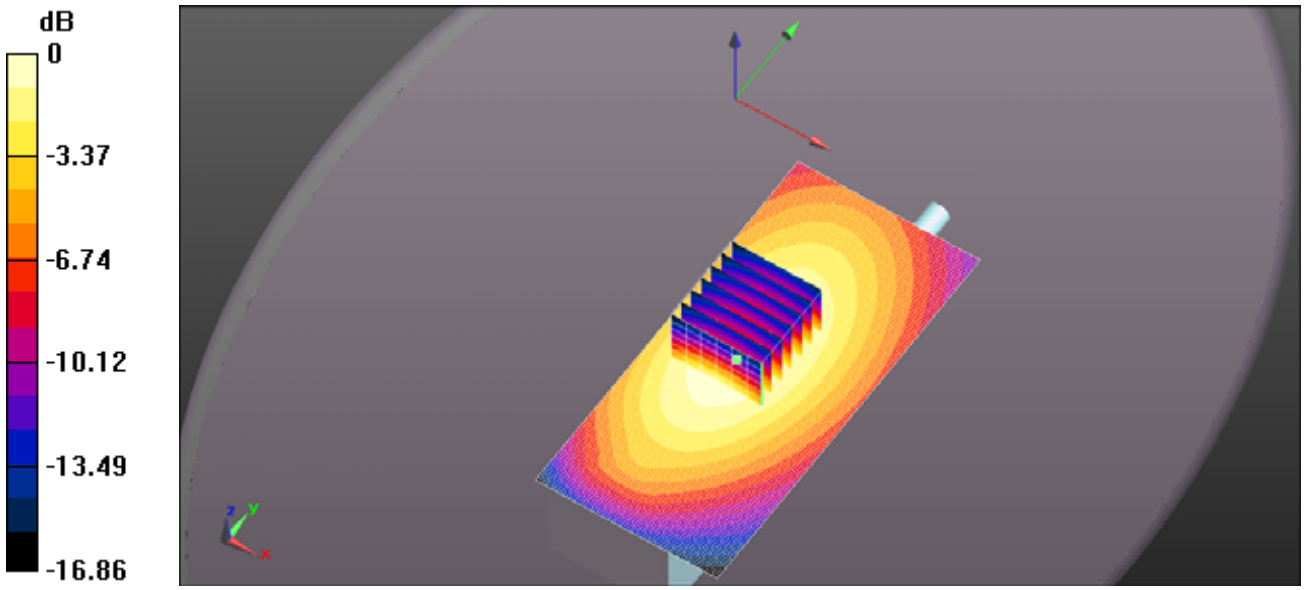
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.34 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 69.72 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 5.30 W/kg
SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.97 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.44 W/kg



0 dB = 5.34 W/kg = 7.27 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 129mm 465MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: f = 465 MHz; σ = 0.919 S/m; ε_r = 56.398; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

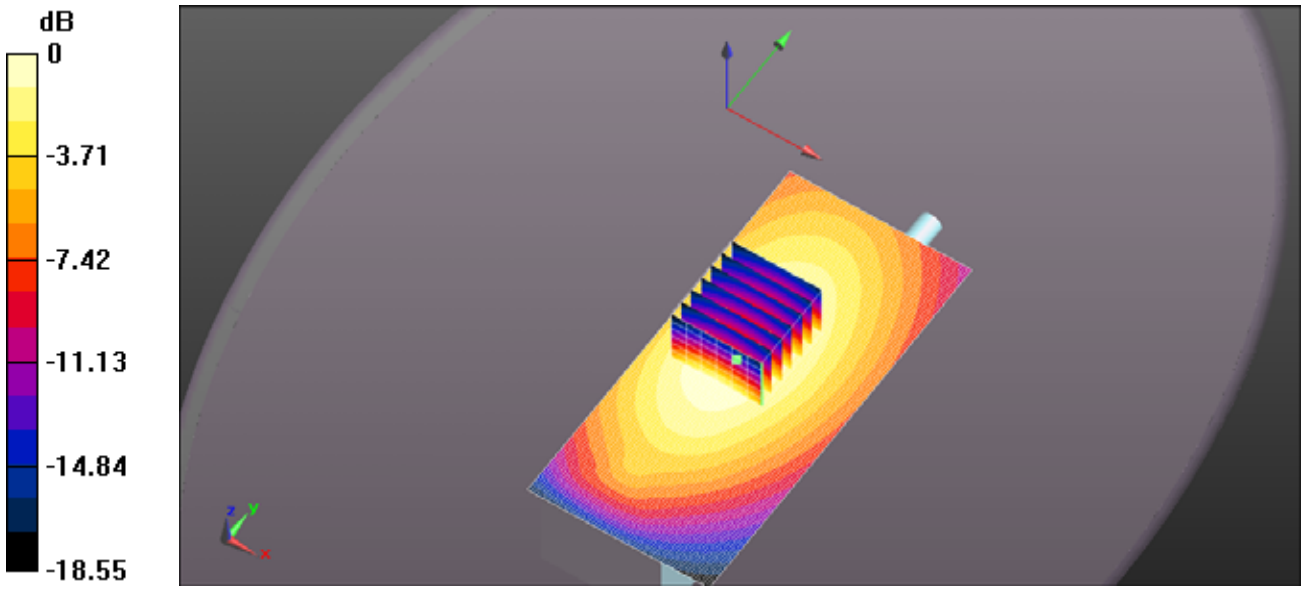
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.43 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 77.19 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 6.47 W/kg
SAR(1 g) = 4.84 W/kg; SAR(10 g) = 3.55 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.39 W/kg



0 dB = 6.43 W/kg = 8.08 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 129mm 480MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.93 S/m; ε_r = 56.075; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

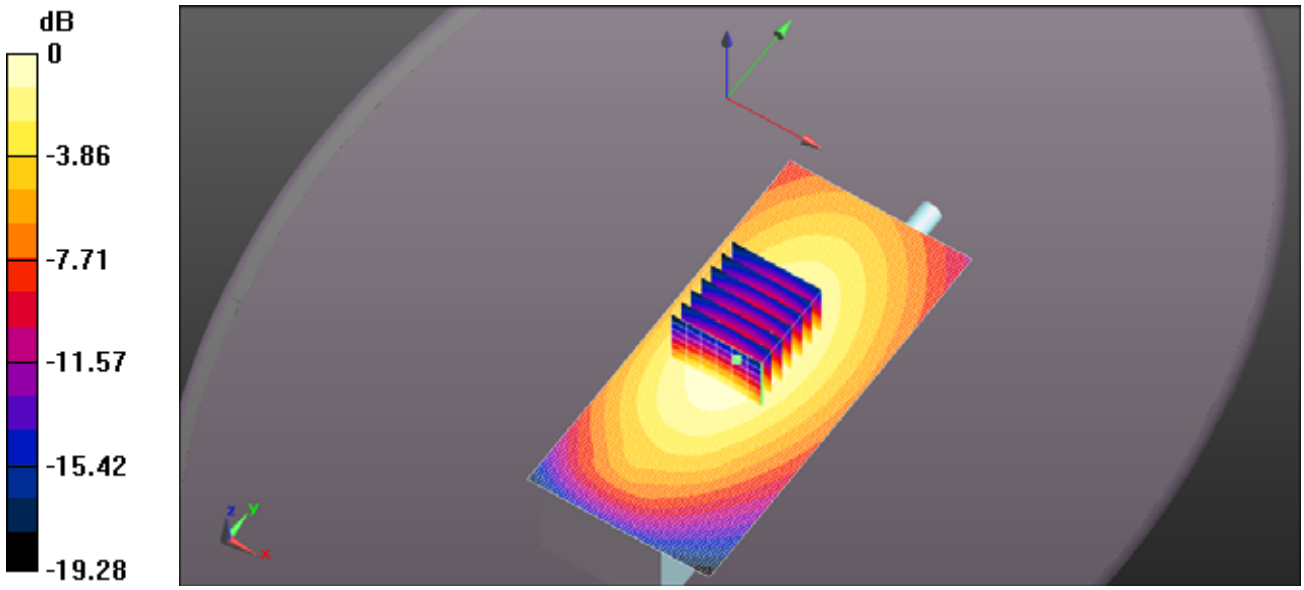
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.82 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 90.83 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 8.77 W/kg
SAR(1 g) = 6.48 W/kg; SAR(10 g) = 4.76 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.24 W/kg



0 dB = 8.82 W/kg = 9.45 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 129mm 500MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: f = 500 MHz; σ = 0.948 S/m; ε_r = 55.702; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

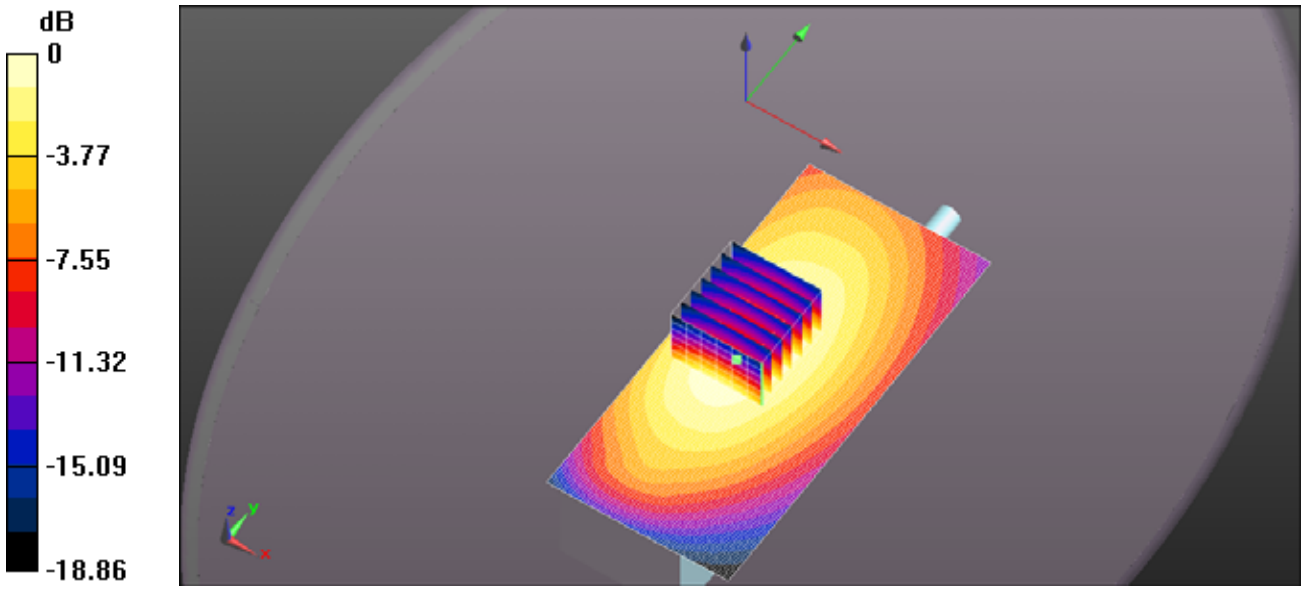
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.7 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 97.20 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 11.4 W/kg
SAR(1 g) = 8.56 W/kg; SAR(10 g) = 6.26 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.52 W/kg



0 dB = 11.7 W/kg = 10.67 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 129mm 512MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; σ = 0.961 S/m; ε_r = 55.475; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

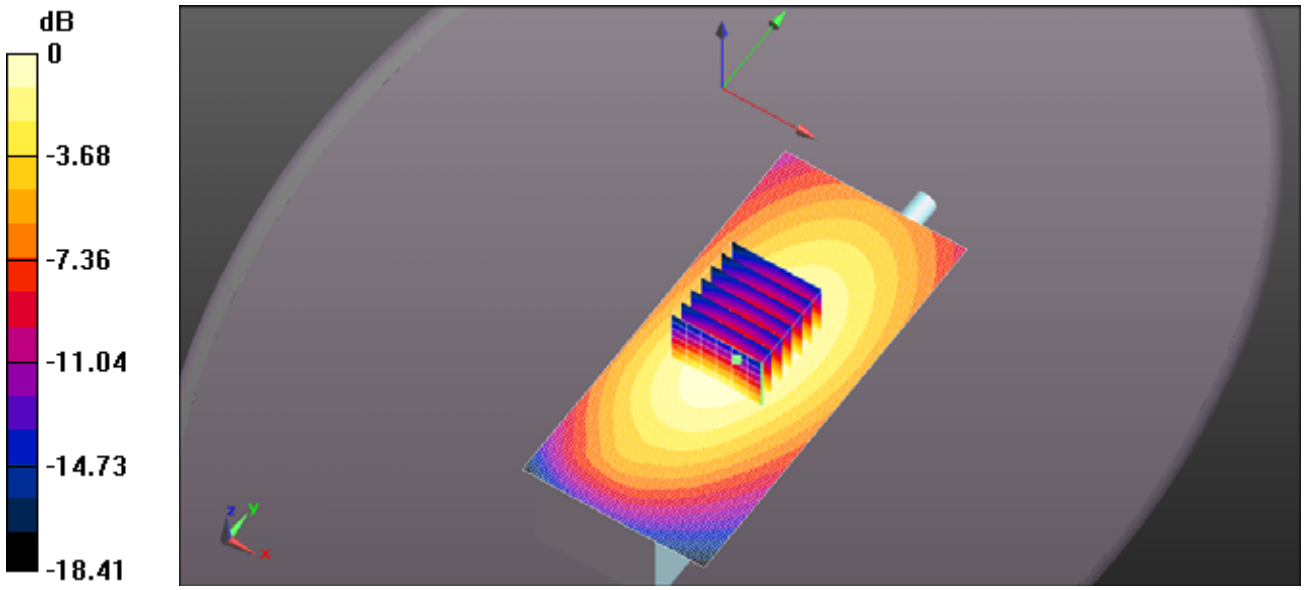
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.3 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 106.3 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 11.1 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) = 9.27 W/kg



0 dB = 12.3 W/kg = 10.89 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 125mm 450MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 450 MHz; σ = 0.908 S/m; ε_r = 56.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

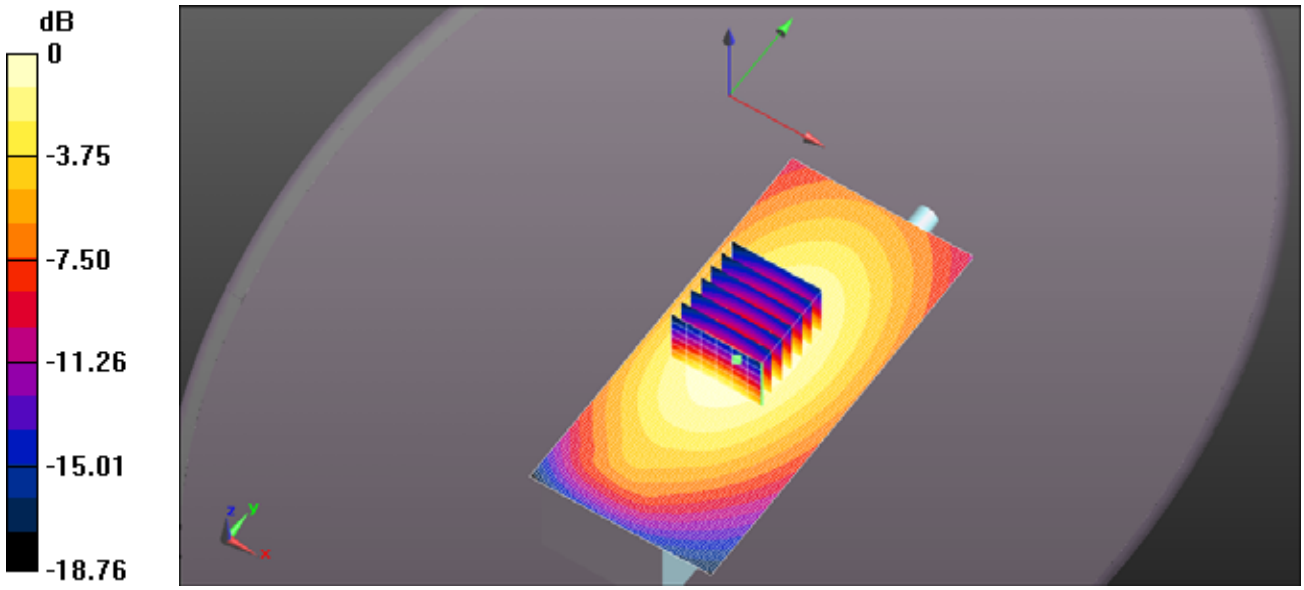
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.04 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 62.14 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.92 W/kg
SAR(1 g) = 3.05 W/kg; SAR(10 g) = 2.22 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.30 W/kg



0 dB = 4.04 W/kg = 6.06 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 125mm 465MHz.da5265.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: f = 465 MHz; σ = 0.919 S/m; ε_r = 56.398; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

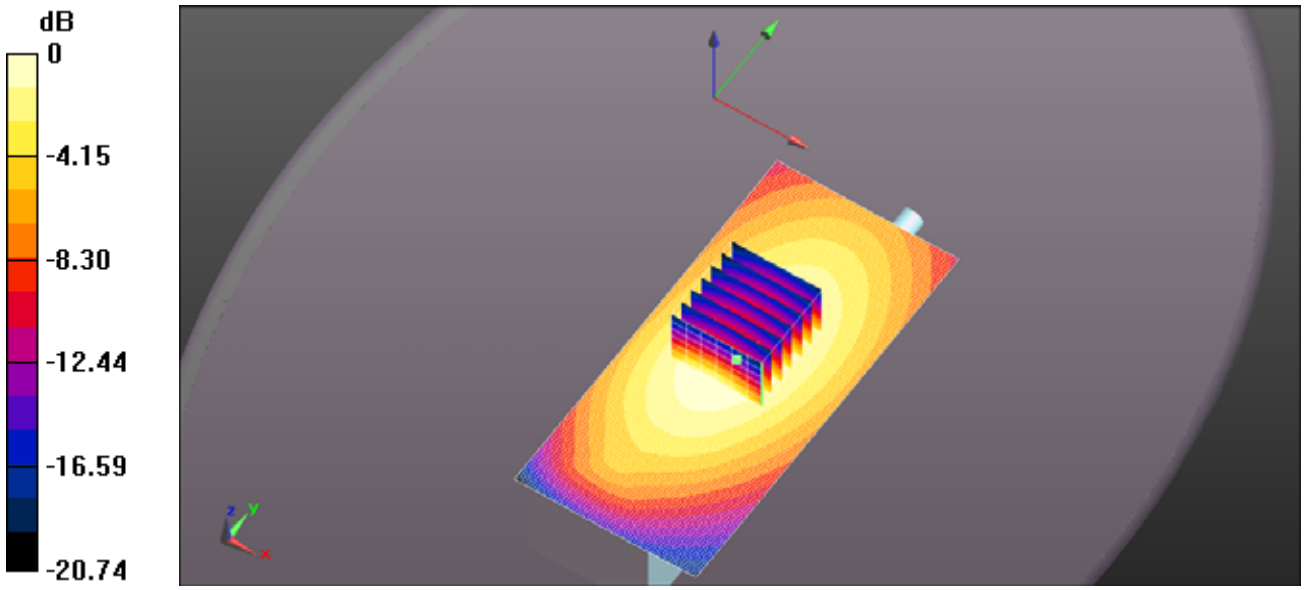
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.96 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 70.75 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 4.97 W/kg
SAR(1 g) = 3.73 W/kg; SAR(10 g) = 2.73 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.16 W/kg



0 dB = 4.96 W/kg = 6.96 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 125mm 480MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 480 MHz; σ = 0.93 S/m; ε_r = 56.075; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

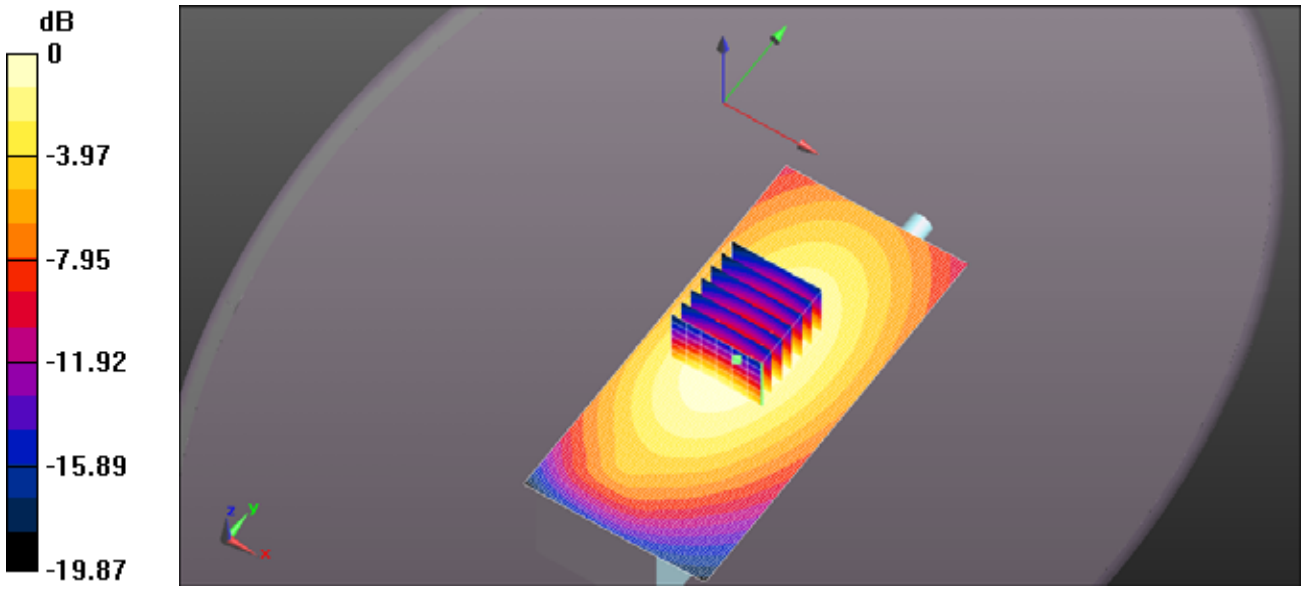
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.39 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 84.09 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 7.37 W/kg
SAR(1 g) = 5.51 W/kg; SAR(10 g) = 4.03 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.16 W/kg



0 dB = 7.39 W/kg = 8.69 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 125mm 496MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 496 MHz; σ = 0.944 S/m; ε_r = 55.8; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

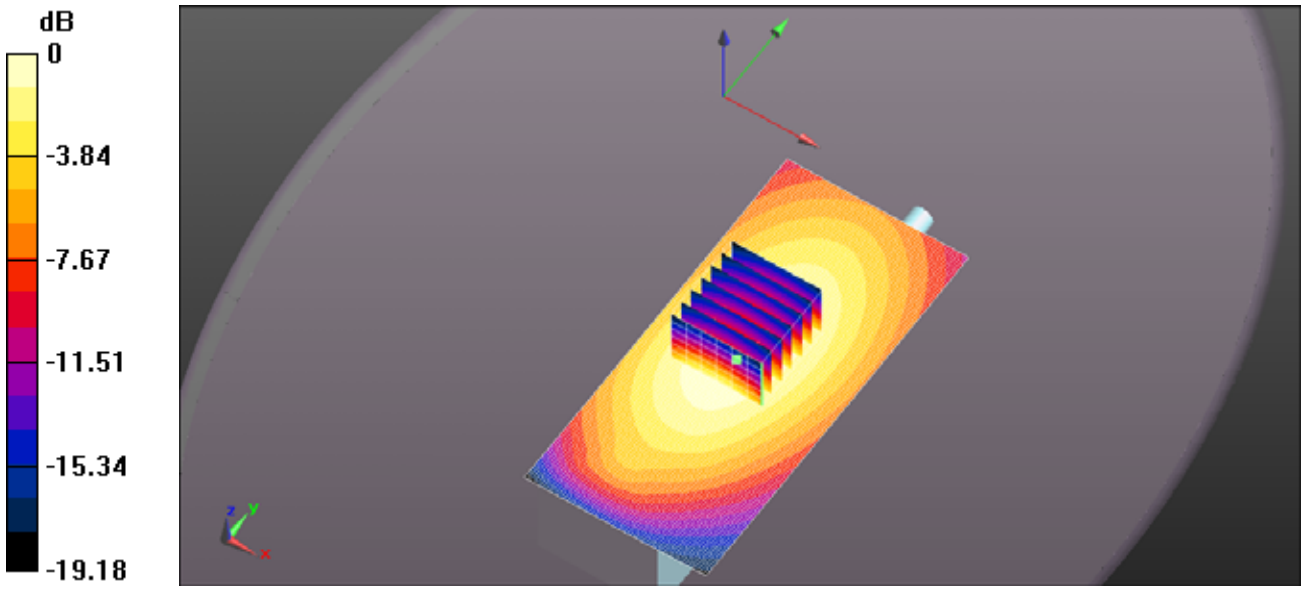
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.13 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 92.63 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 9.11 W/kg
SAR(1 g) = 6.81 W/kg; SAR(10 g) = 4.97 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.64 W/kg



0 dB = 9.13 W/kg = 9.61 dBW/kg

Test Laboratory: Ultratech Labs

File Name: ICOM-461Q FA-SC61UC 125mm 512MHz.da52:0

DUT: IC-F62D; Type: UHF Transceiver; Serial: 21000226

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 512 MHz; σ = 0.961 S/m; ε_r = 55.475; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

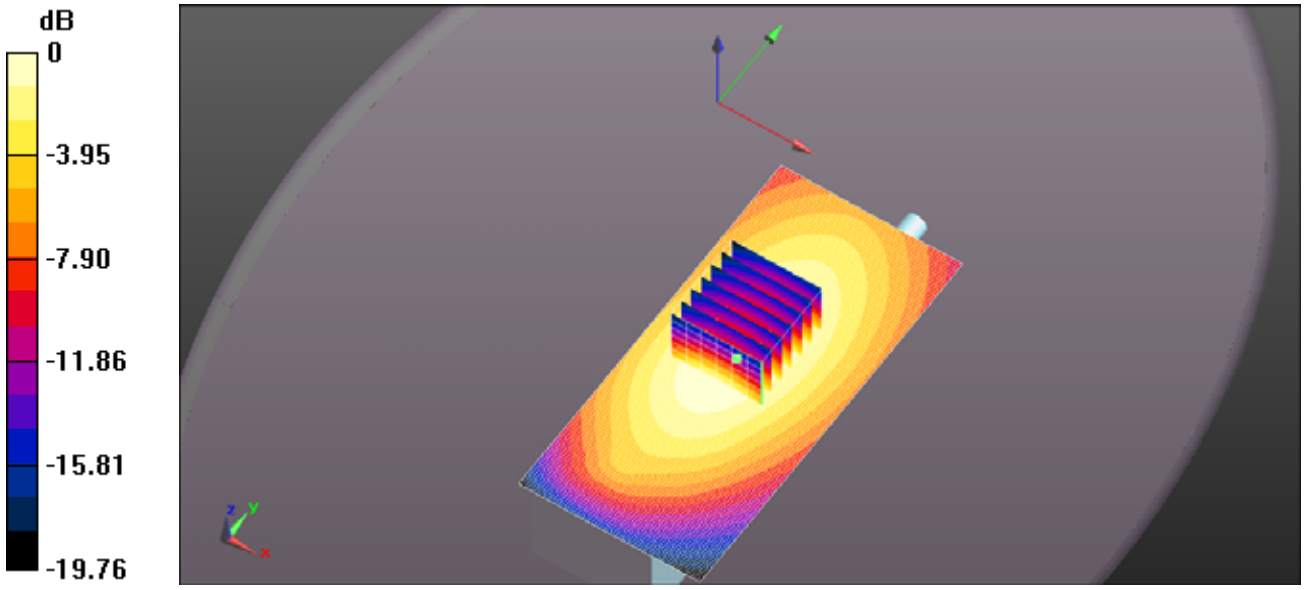
- Probe: EX3DV4 - SN3673; ConvF(10.51, 10.51, 10.51); Calibrated: 3/20/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/22/2016
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Area Scan (61x131x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.5 W/kg

Configuration_Body_IC-F62D/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 106.7 V/m; Power Drift = -0.250 dB
Peak SAR (extrapolated) = 11.3 W/kg
SAR(1 g) = 8.53 W/kg; SAR(10 g) = 6.25 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.52 W/kg



0 dB = 12.5 W/kg = 10.96 dBW/kg