

APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. HEAD SAR MEASUREMENTS

Antenna	Power (dBm)	CH	CH. Freq	HEAD SAR1g (W/Kg)	Power Drift
				BP-292UL	
			(MHz)	2010mAh	
FA-S57U 430-470 MHz	37.14	6	450	3.58	-0.06
	37.07	7	460	**	**
	37.1	1	470	4.45	-0.2
FA-S72U 470-512 MHz	37.1	1	470	3.63	-0.75
	37.08	3	490	**	**
	37.06	5	512	7.63	-0.62
FA-S73US 450-490 MHz	37.14	6	450	2.56	-0.96
	37.03	2	470	1.06	-0.75
	37.08	3	490	0.483	-0.5
FA-S26US 400-450 MHz	37.14	6	450	2.35	-0.01

Cut Antenna	Power (dBm)	CH	CH. Freq	HEAD SAR1g (W/Kg)	Power Drift
				BP-292UL	
			(MHz)	2010mAh	
FA-SC61UC 440MHz 148 mm	37.14	6	450	5.99	-0.15
	37.07	7	460	**	**
	37.03	2	480	6.86	-0.59
	37.08	3	490	**	**
	37.06	5	512	5.25	-0.54
FA-S61UC 460MHz 142mm	37.14	6	450	**	**
	37.07	7	460	4.91	-0.1
	37.10	1	470	5.31	-0.48
	37.08	3	490	9.01	-1.48
	37.06	5	512	6.32	-0.57
FA-S61UC 480MHz 136mm	37.14	6	450	3.34	-0.03
	37.07	7	460	**	**
	37.03	2	480	4.84	-0.27
	37.08	3	490	**	**
	37.06	5	512	6.66	-0.62
FA-S61UC 500MHz 129mm	37.14	6	450	**	**
	37.07	7	460	2.71	-0.16
	37.03	2	480	**	**
	37.08	4	500	6.06	-0.26
	37.06	5	512	**	**
FA-S61UC 520MHz 125mm	37.14	6	450	2.01	0.01
	37.07	7	460	**	**
	37.03	2	470	2.27	-1.16
	37.08	3	490	**	**
	37.06	5	512	6.55	-0.18

FILE NAME: ICOM-496Q HEAD FA-SC72U 470MHZ.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 46.93$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

(7x8x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 78.19 V/m; Power Drift = -0.75 dB

Peak SAR (extrapolated) = 5.50 W/kg

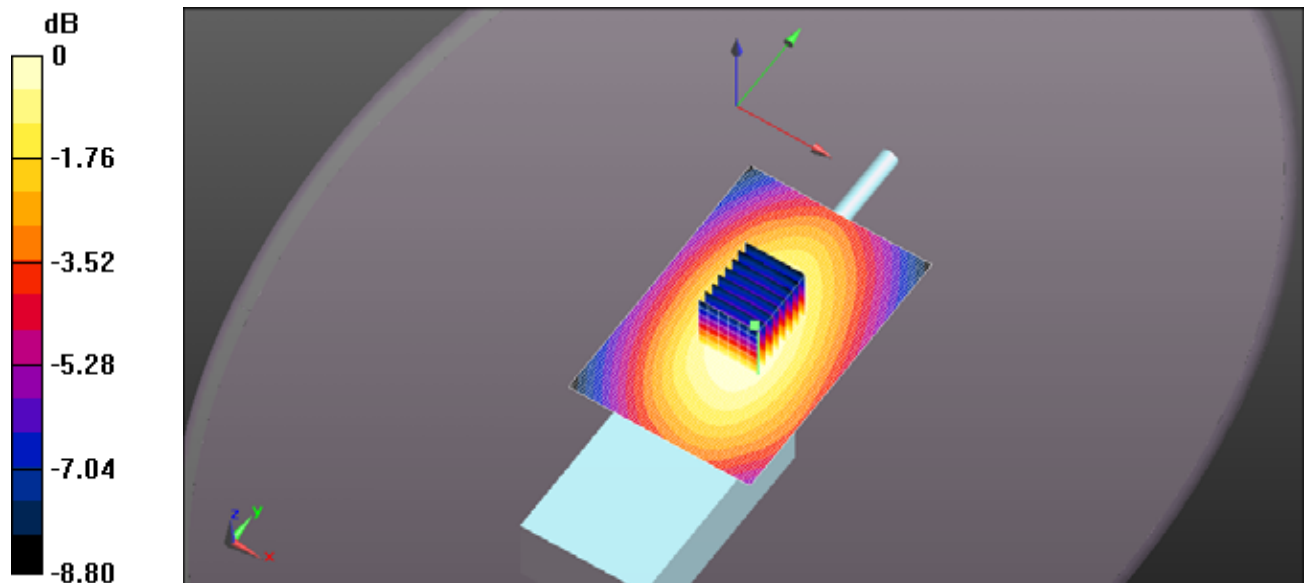
SAR(1 g) = 3.63 W/kg; SAR(10 g) = 2.63 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.80 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 5.16 W/kg



FILE NAME: [ICOM-496Q HEAD FA-SC72U 512MHZ.DA52:0](#)

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 512 \text{ MHz}$; $\sigma = 0.949 \text{ S/m}$; $\epsilon_r = 45.823$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 106.6 V/m; Power Drift = -0.62 dB

Peak SAR (extrapolated) = 11.4 W/kg

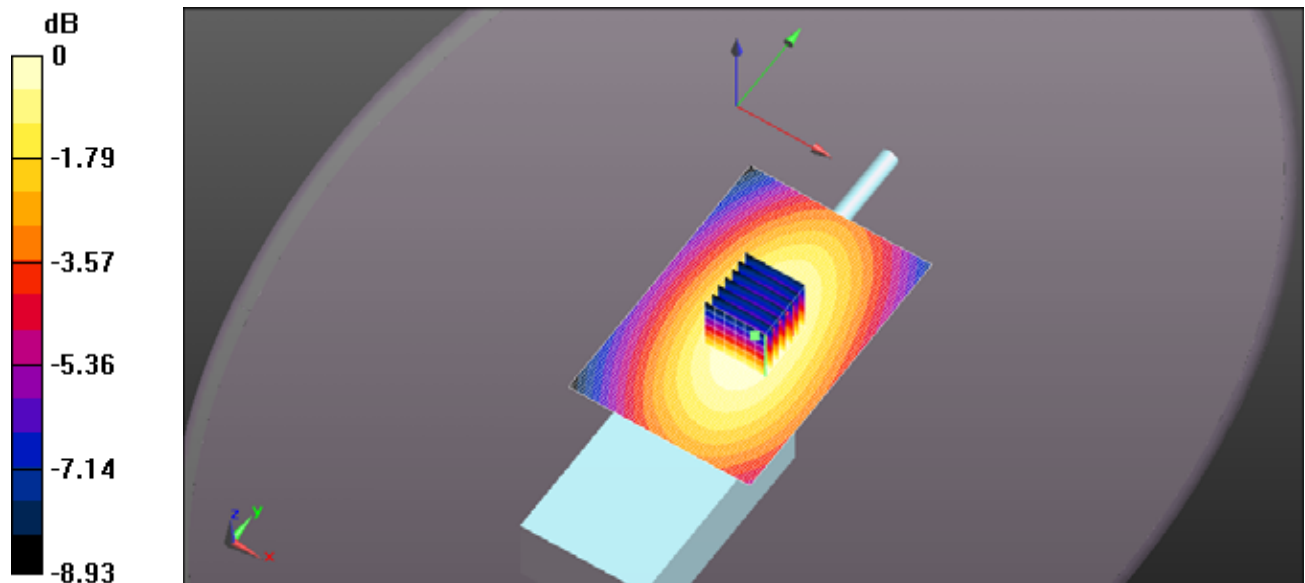
SAR(1 g) = 7.63 W/kg; SAR(10 g) = 5.48 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.92 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 10.2 W/kg



0 dB = 9.92 W/kg = 9.96 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC57U 470MHZ.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 46.93$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 80.99 V/m ; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 6.60 W/kg

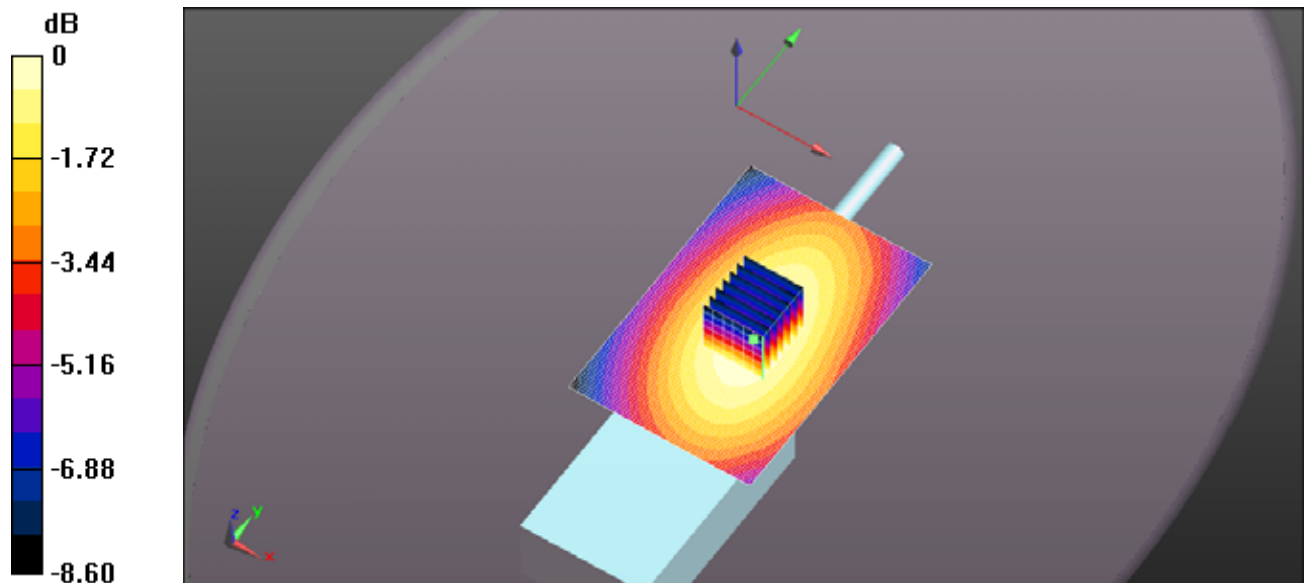
SAR(1 g) = 4.45 W/kg ; SAR(10 g) = 3.22 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.78 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 5.73 W/kg



0 dB = 5.78 W/kg = 7.62 dBW/kg

FILE NAME: [ICOM-496Q HEAD FA-SC73US 470MHZ.DA52:0](#)

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 46.93$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 42.04 V/m ; Power Drift = -0.75 dB

Peak SAR (extrapolated) = 1.58 W/kg

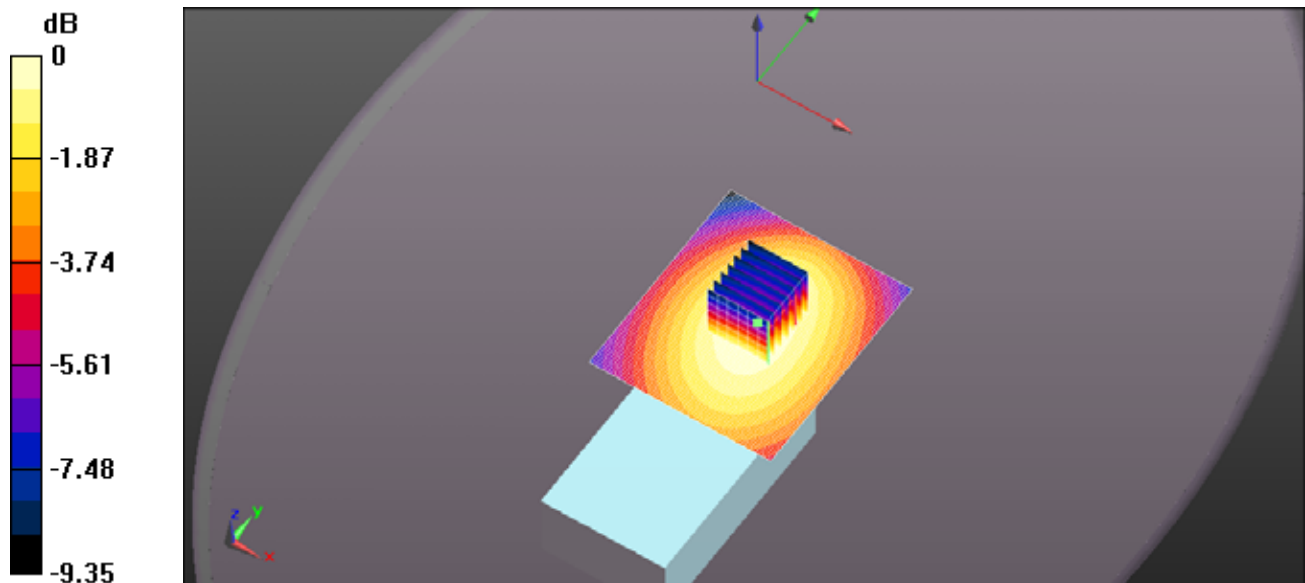
SAR(1 g) = 1.06 W/kg ; SAR(10 g) = 0.765 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.37 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x71x1):

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

Maximum value of SAR (interpolated) = 1.45 W/kg



FILE NAME: [ICOM-496Q HEAD FA-SC73US 490MHZ.DA52:0](#)

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 490$ MHz; $\sigma = 0.933$ S/m; $\epsilon_r = 46.48$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 27.24 V/m; Power Drift = -0.50 dB

Peak SAR (extrapolated) = 0.714 W/kg

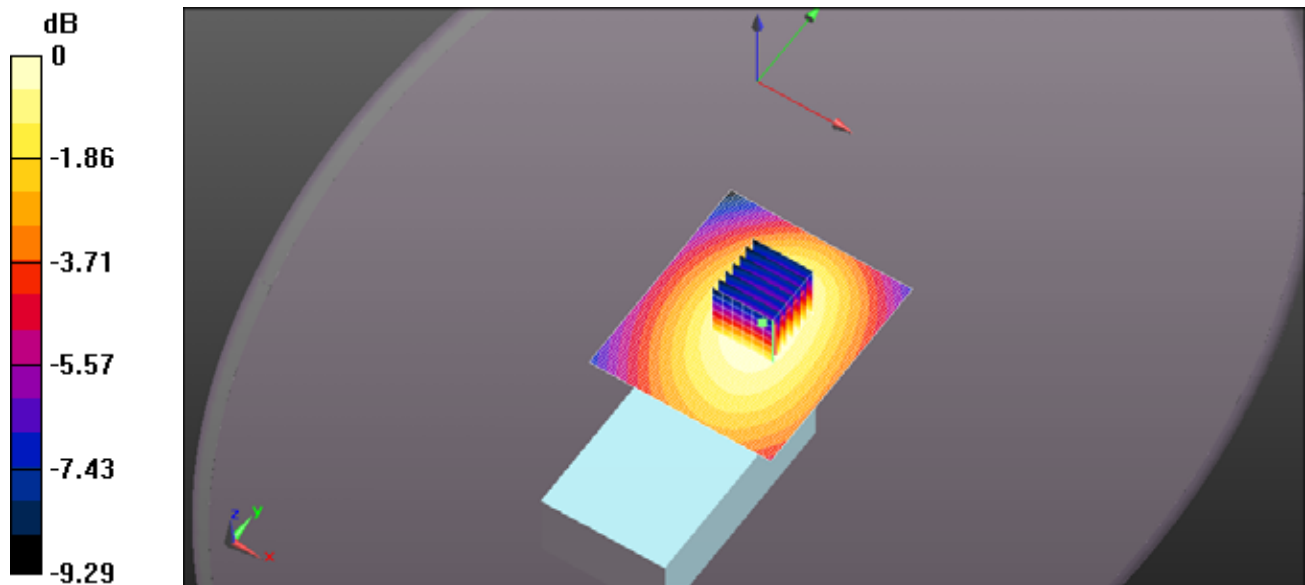
SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.348 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.625 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x71x1):

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

Maximum value of SAR (interpolated) = 0.659 W/kg



0 dB = 0.625 W/kg = -2.04 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 470MHZ 142MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 46.93$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 89.41 V/m ; Power Drift = -0.48 dB

Peak SAR (extrapolated) = 7.81 W/kg

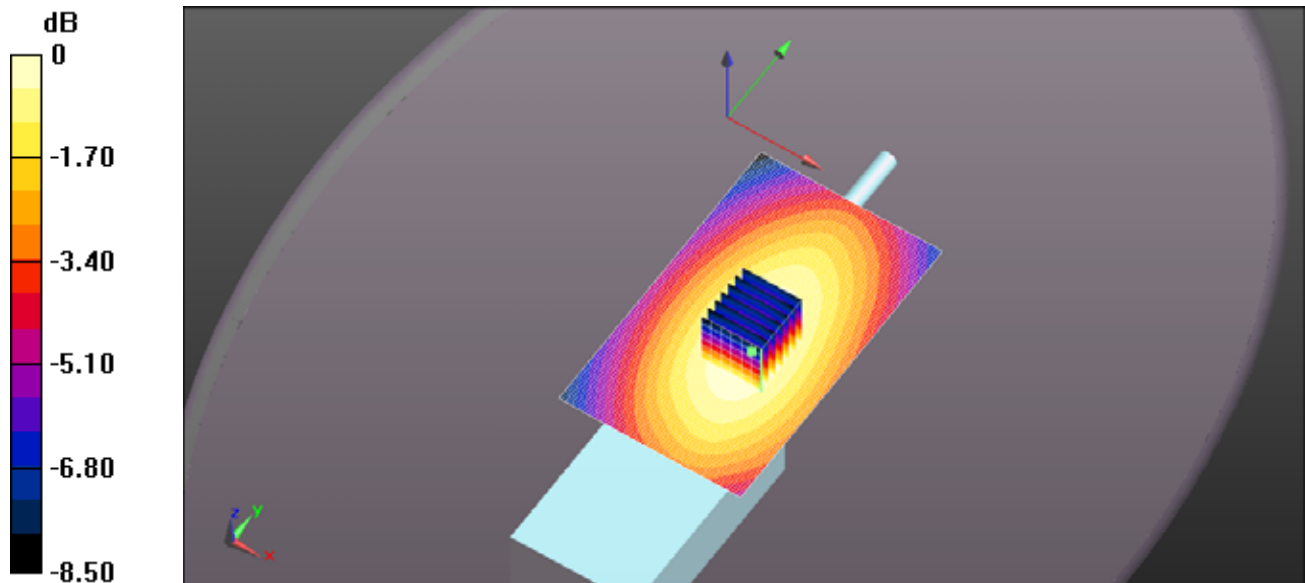
SAR(1 g) = 5.31 W/kg ; SAR(10 g) = 3.85 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.85 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 7.24 W/kg



0 dB = 6.85 W/kg = 8.36 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 512MHZ 142MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 0.949$ S/m; $\epsilon_r = 45.823$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 95.94 V/m; Power Drift = -0.57 dB

Peak SAR (extrapolated) = 9.39 W/kg

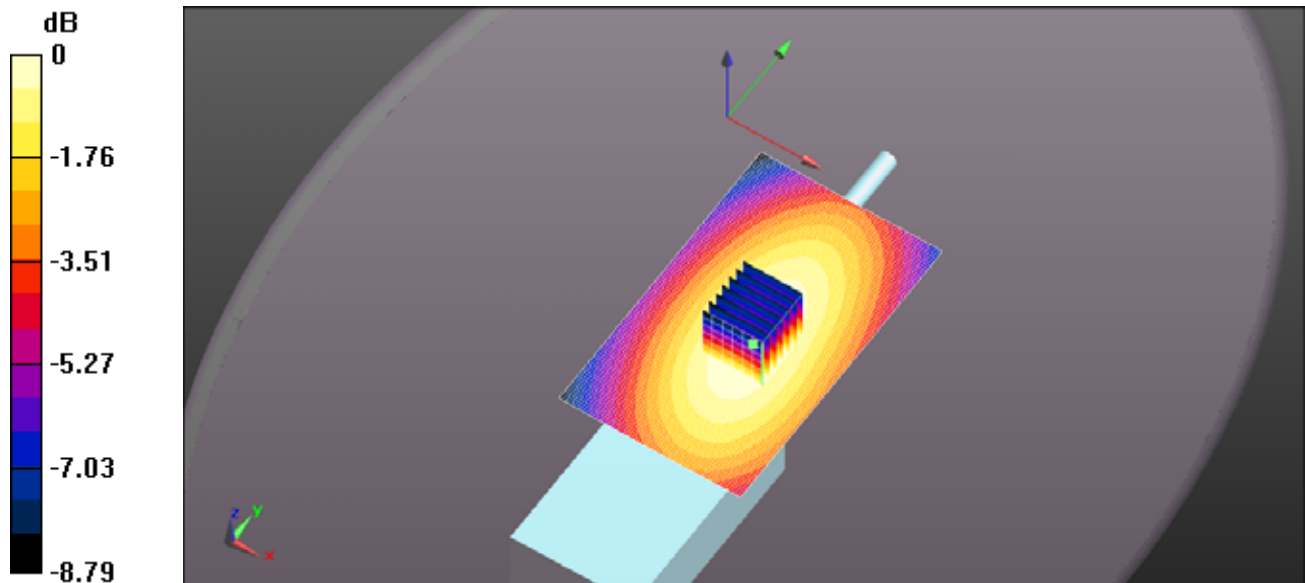
SAR(1 g) = 6.32 W/kg; SAR(10 g) = 4.58 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.20 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.61 W/kg



0 dB = 8.20 W/kg = 9.14 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 480MHZ 136MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480 \text{ MHz}$; $\sigma = 0.925 \text{ S/m}$; $\epsilon_r = 46.769$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 85.22 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 7.14 W/kg

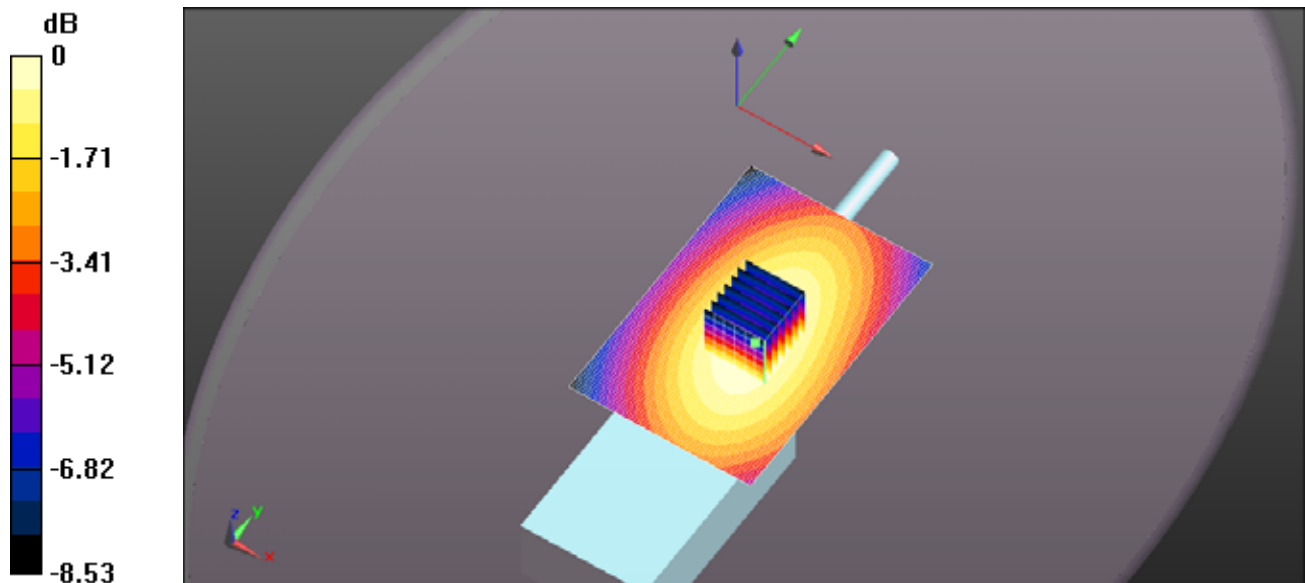
SAR(1 g) = 4.84 W/kg; SAR(10 g) = 3.52 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.27 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 6.29 W/kg



0 dB = 6.27 W/kg = 7.97 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 500MHZ 129MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 500 \text{ MHz}$; $\sigma = 0.941 \text{ S/m}$; $\epsilon_r = 46.19$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 94.90 V/m ; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 9.05 W/kg

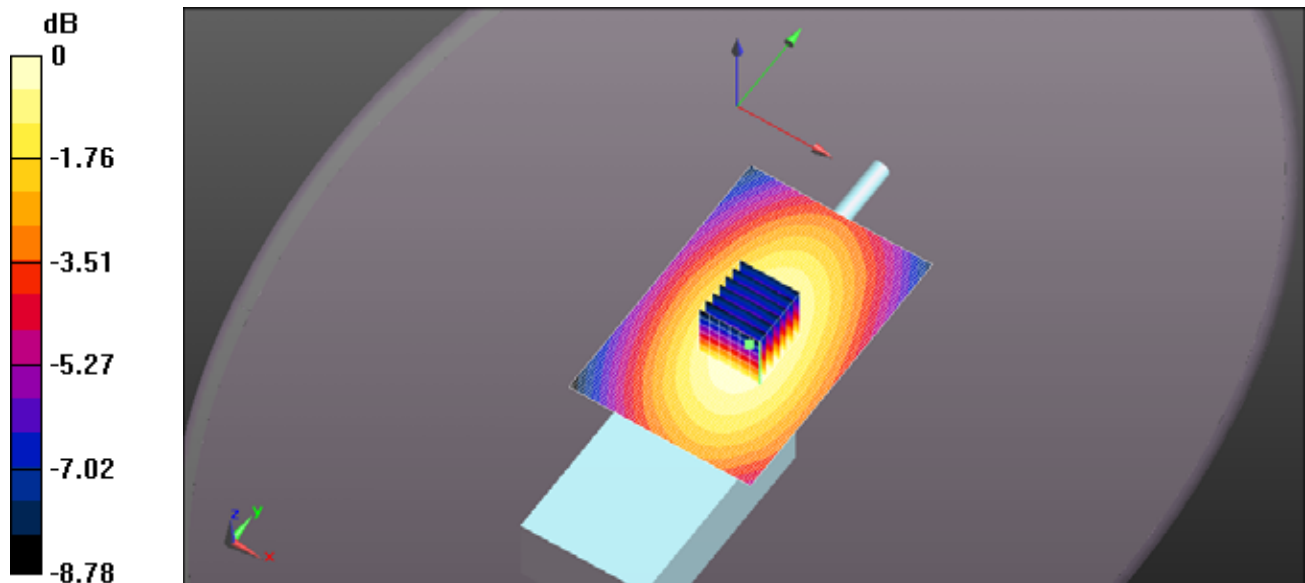
SAR(1 g) = 6.06 W/kg ; SAR(10 g) = 4.35 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.88 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 7.99 W/kg



0 dB = 7.88 W/kg = 8.97 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 470MHZ 125MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 46.93$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 64.48 V/m; Power Drift = -1.16 dB

Peak SAR (extrapolated) = 3.40 W/kg

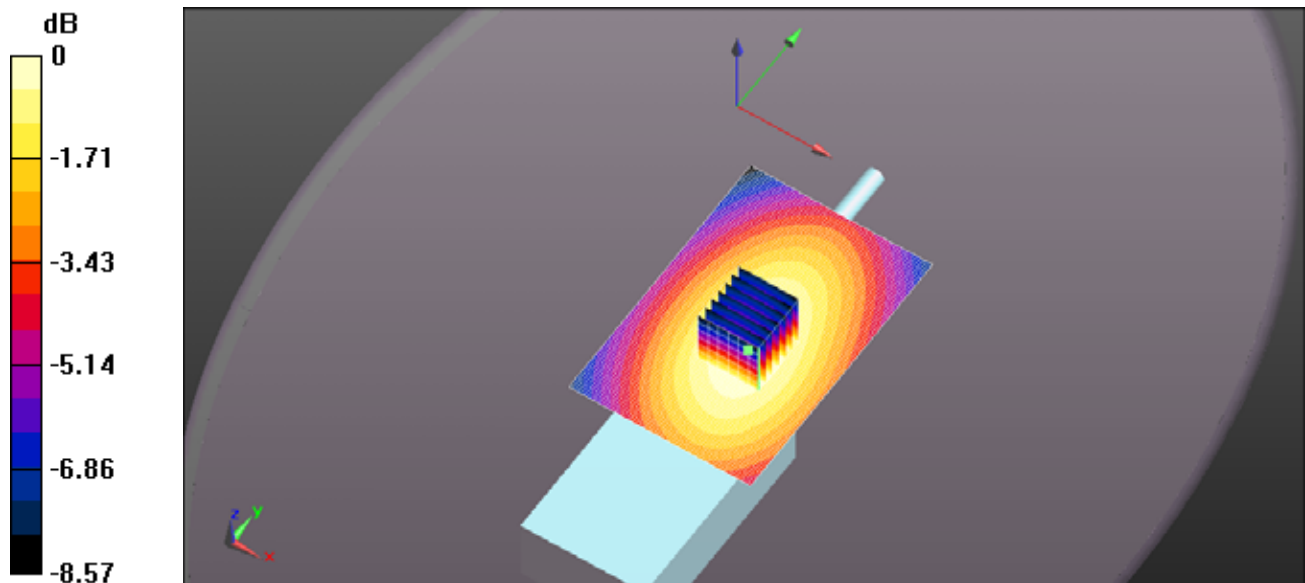
SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.64 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.96 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 2.95 W/kg



0 dB = 2.96 W/kg = 4.71 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 512MHZ 125MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 0.949$ S/m; $\epsilon_r = 45.823$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 97.57 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 9.75 W/kg

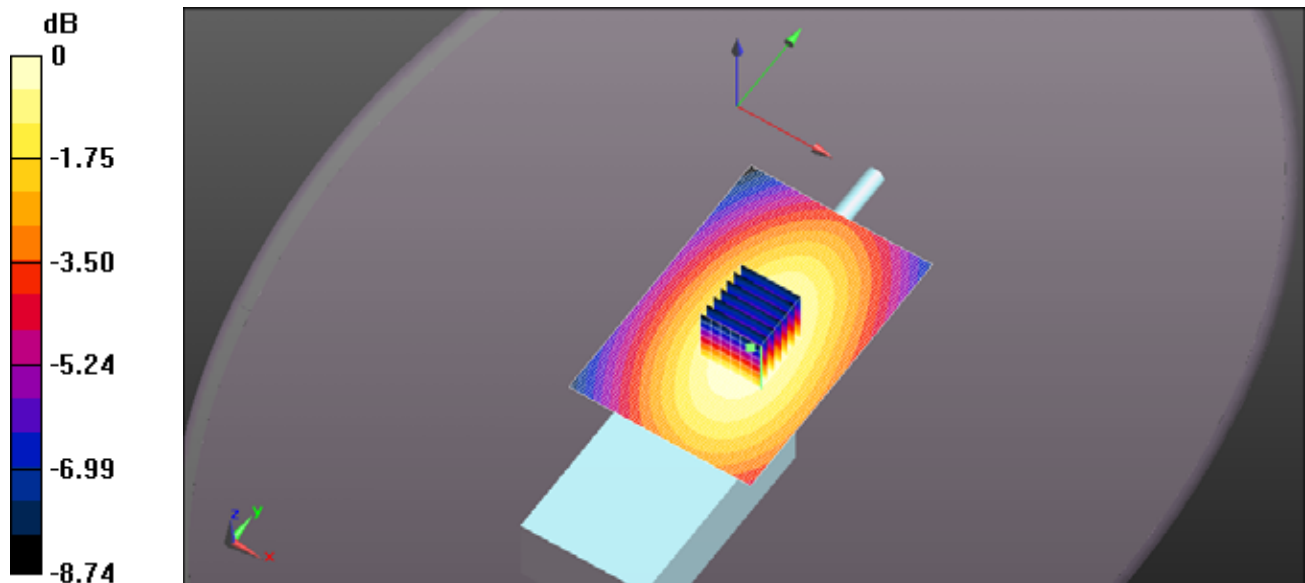
SAR(1 g) = 6.55 W/kg; SAR(10 g) = 4.73 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.50 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 8.71 W/kg



0 dB = 8.50 W/kg = 9.29 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC57U 450MHZ.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.865 \text{ S/m}$; $\epsilon_r = 46.021$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 70.37 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 5.11 W/kg

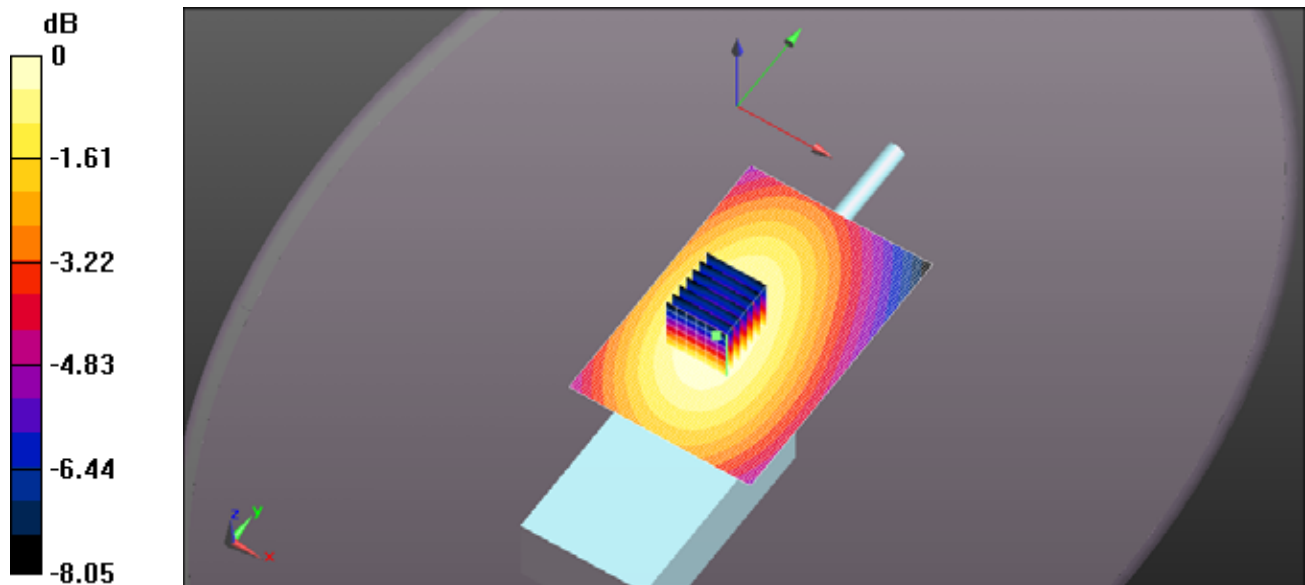
SAR(1 g) = 3.58 W/kg; SAR(10 g) = 2.61 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.49 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 4.47 W/kg



0 dB = 4.49 W/kg = 6.52 dBW/kg

FILE NAME: [ICOM-496Q HEAD FA-SC73US 450MHZ.DA52:0](#)

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.865$ S/m; $\epsilon_r = 46.021$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 65.03 V/m; Power Drift = -0.96 dB

Peak SAR (extrapolated) = 3.67 W/kg

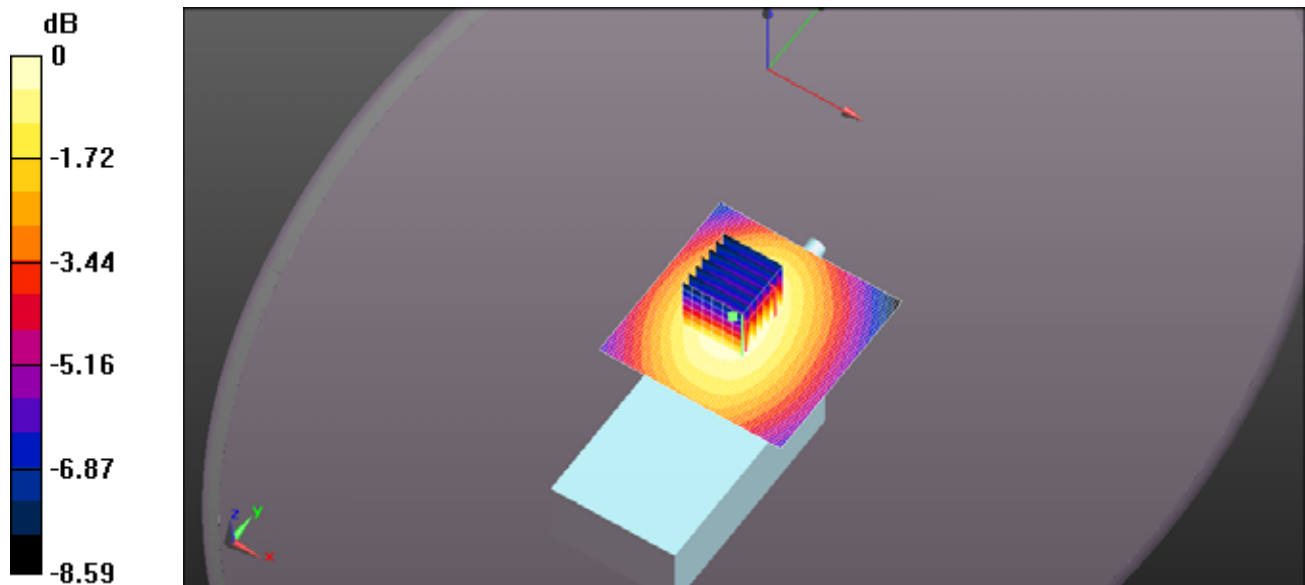
SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.87 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.22 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x61x1):

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

Maximum value of SAR (interpolated) = 3.44 W/kg



0 dB = 3.22 W/kg = 5.08 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC26US 450MHZ.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.865$ S/m; $\epsilon_r = 46.021$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 57.20 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.38 W/kg

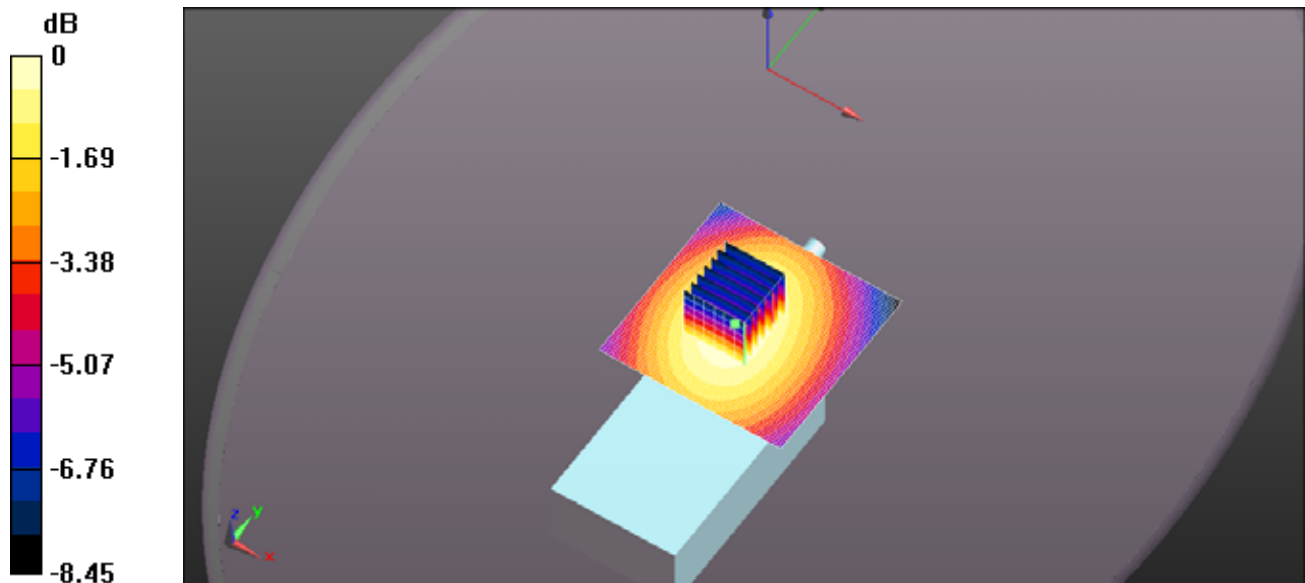
SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.71 W/kg (SAR corrected for target medium)

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

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x61x1):

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

Maximum value of SAR (interpolated) = 2.95 W/kg



0 dB = 2.97 W/kg = 4.73 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 450MHZ 148MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.865$ S/m; $\epsilon_r = 46.021$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 90.08 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 8.57 W/kg

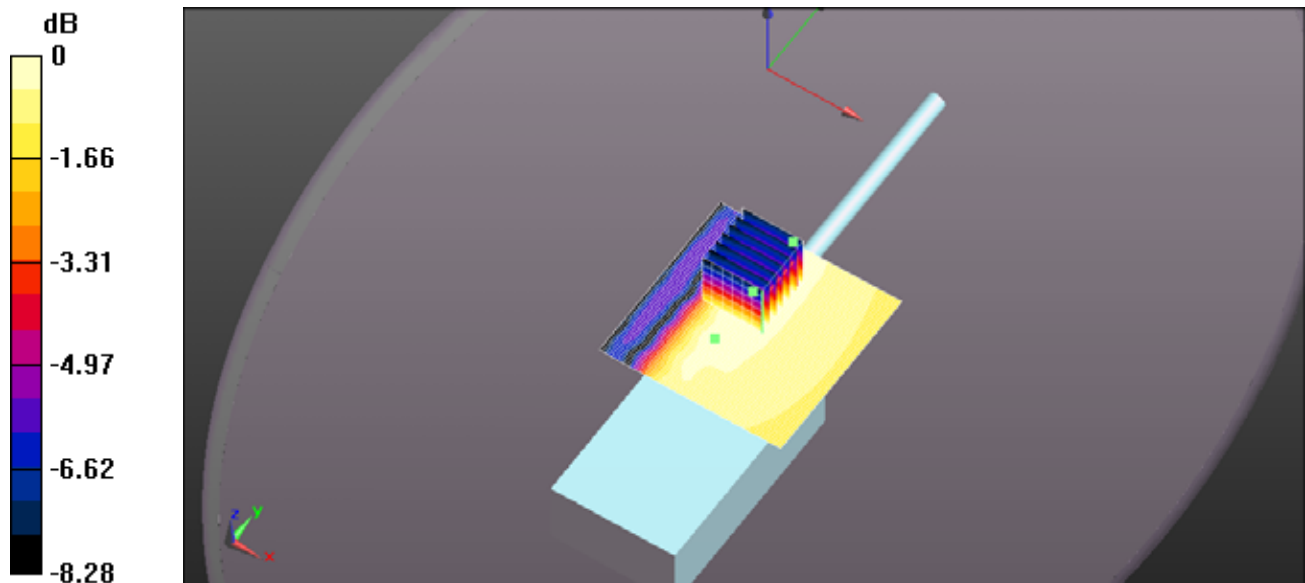
SAR(1 g) = 5.99 W/kg; SAR(10 g) = 4.38 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.54 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x61x1):

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

Maximum value of SAR (interpolated) = 12.9 W/kg



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

FILE NAME: ICOM-496Q HEAD FA-SC61UC 480MHZ 148MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480 \text{ MHz}$; $\sigma = 0.893 \text{ S/m}$; $\epsilon_r = 45.478$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 100.8 V/m; Power Drift = -0.59 dB

Peak SAR (extrapolated) = 10.1 W/kg

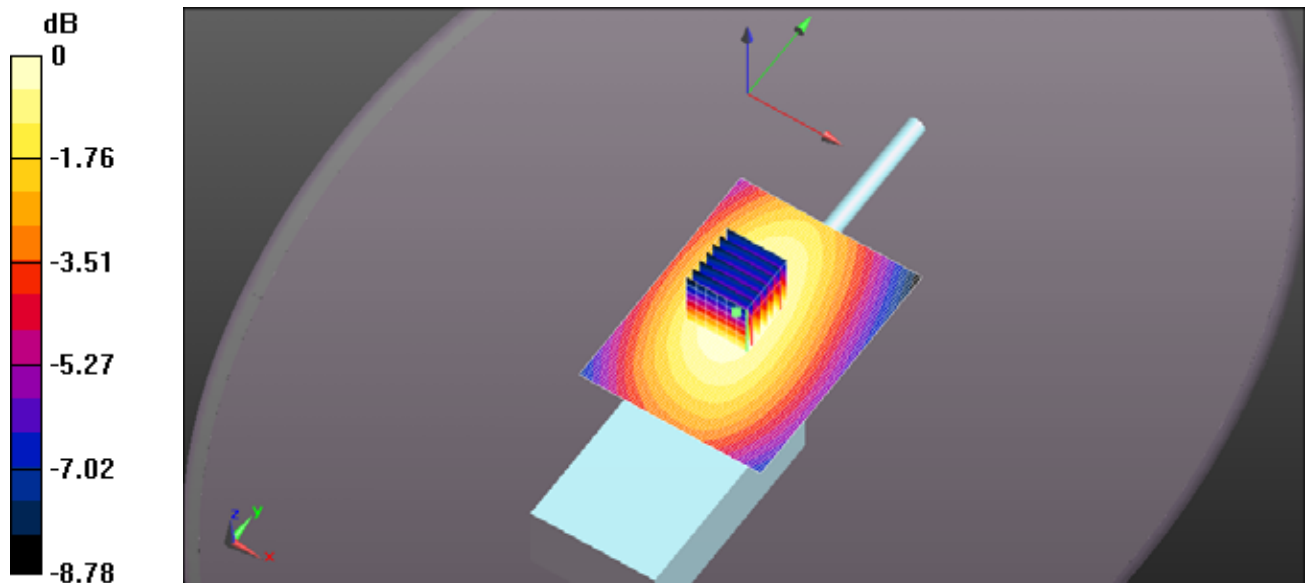
SAR(1 g) = 6.86 W/kg; SAR(10 g) = 5.02 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.80 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 9.41 W/kg



0 dB = 8.80 W/kg = 9.45 dBW/kg

File Name: [ICOM-496Q Head FA-SC61UC 512MHz 148mm.da52:0](#)

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 44.771$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 86.78 V/m; Power Drift = -0.54 dB

Peak SAR (extrapolated) = 7.75 W/kg

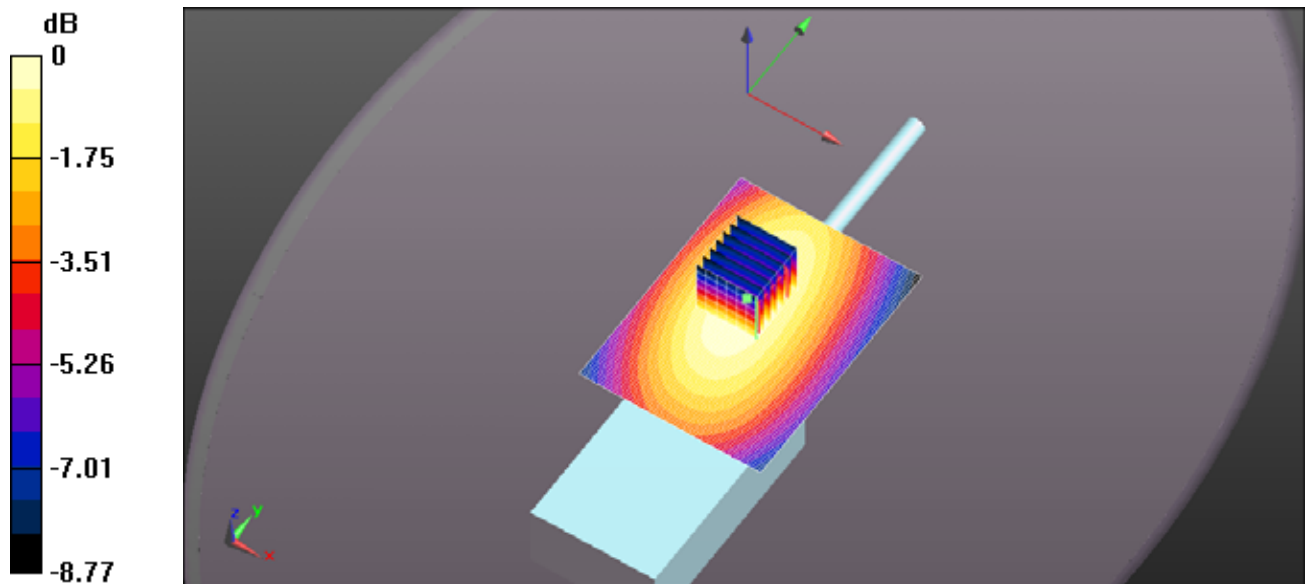
SAR(1 g) = 5.25 W/kg; SAR(10 g) = 3.81 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.77 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 7.18 W/kg



0 dB = 6.77 W/kg = 8.31 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 460MHZ 142MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.877$ S/m; $\epsilon_r = 45.871$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 83.37 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 7.09 W/kg

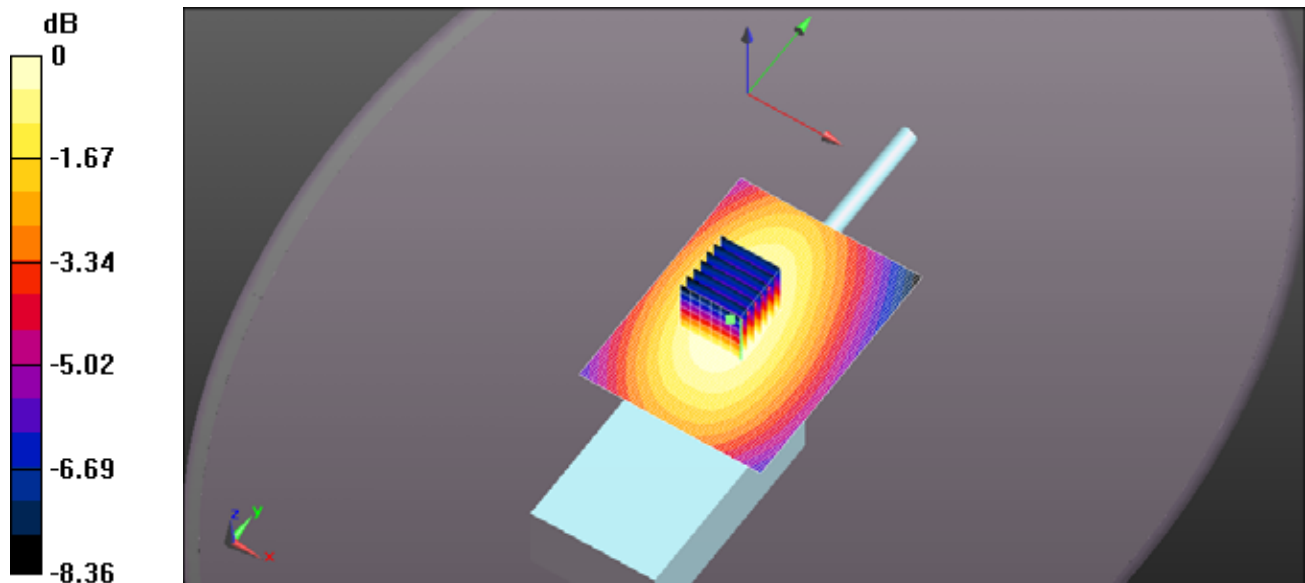
SAR(1 g) = 4.91 W/kg; SAR(10 g) = 3.59 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.24 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 6.22 W/kg



0 dB = 6.24 W/kg = 7.95 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 490MHZ 142MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 490$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 45.276$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

(8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 121.7 V/m; Power Drift = -1.48 dB

Peak SAR (extrapolated) = 13.4 W/kg

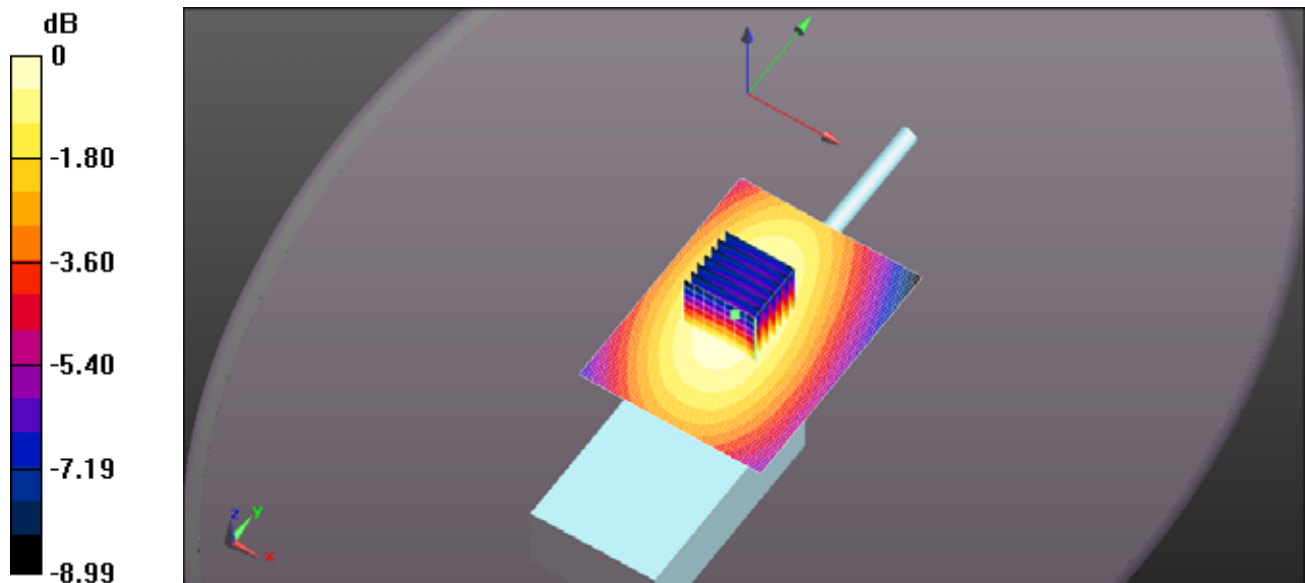
SAR(1 g) = 9.01 W/kg; SAR(10 g) = 6.56 W/kg (SAR corrected for target medium)

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

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x81x1):

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

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



0 dB = 11.6 W/kg = 10.66 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 450MHZ 136MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.865$ S/m; $\epsilon_r = 46.021$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

(8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 69.44 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.77 W/kg

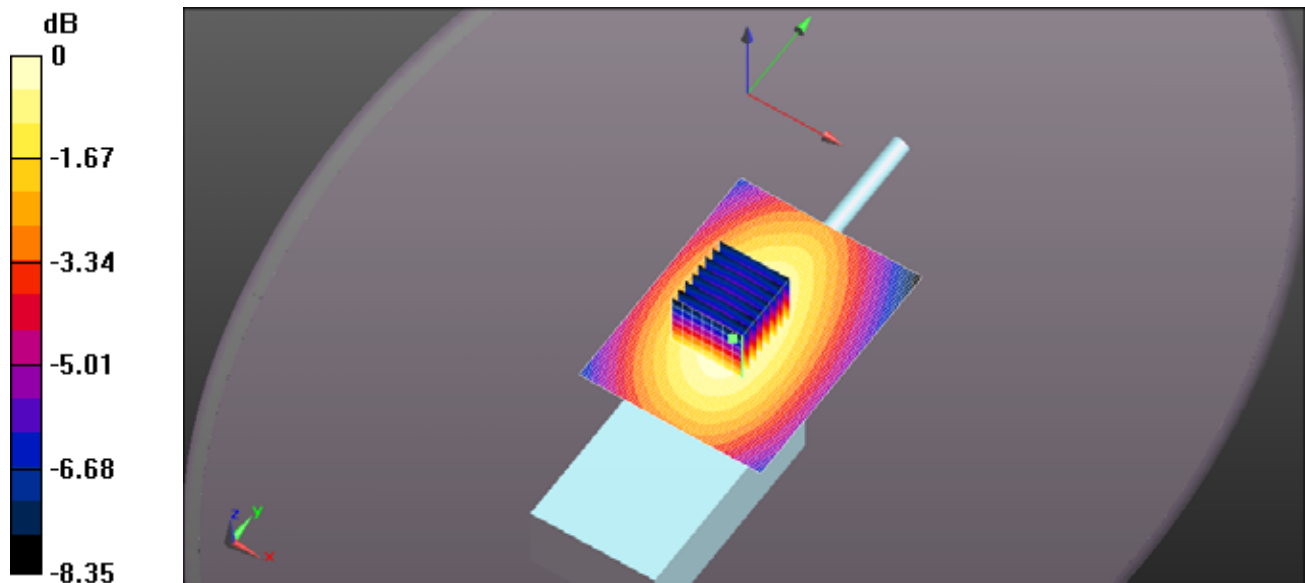
SAR(1 g) = 3.34 W/kg; SAR(10 g) = 2.43 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.18 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 4.20 W/kg



0 dB = 4.18 W/kg = 6.22 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 512MHZ 136MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 44.771$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 100.9 V/m; Power Drift = -0.62 dB

Peak SAR (extrapolated) = 9.86 W/kg

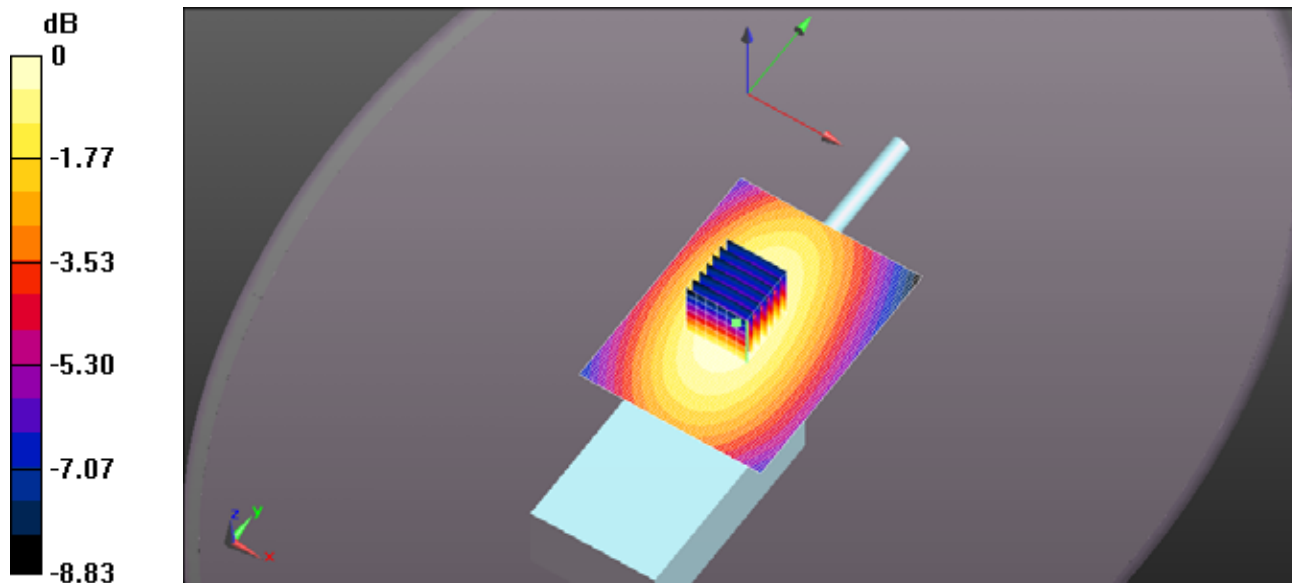
SAR(1 g) = 6.66 W/kg; SAR(10 g) = 4.83 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.62 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 9.24 W/kg



0 dB = 8.62 W/kg = 9.35 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 460MHZ 129MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.877$ S/m; $\epsilon_r = 45.871$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 63.03 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 3.94 W/kg

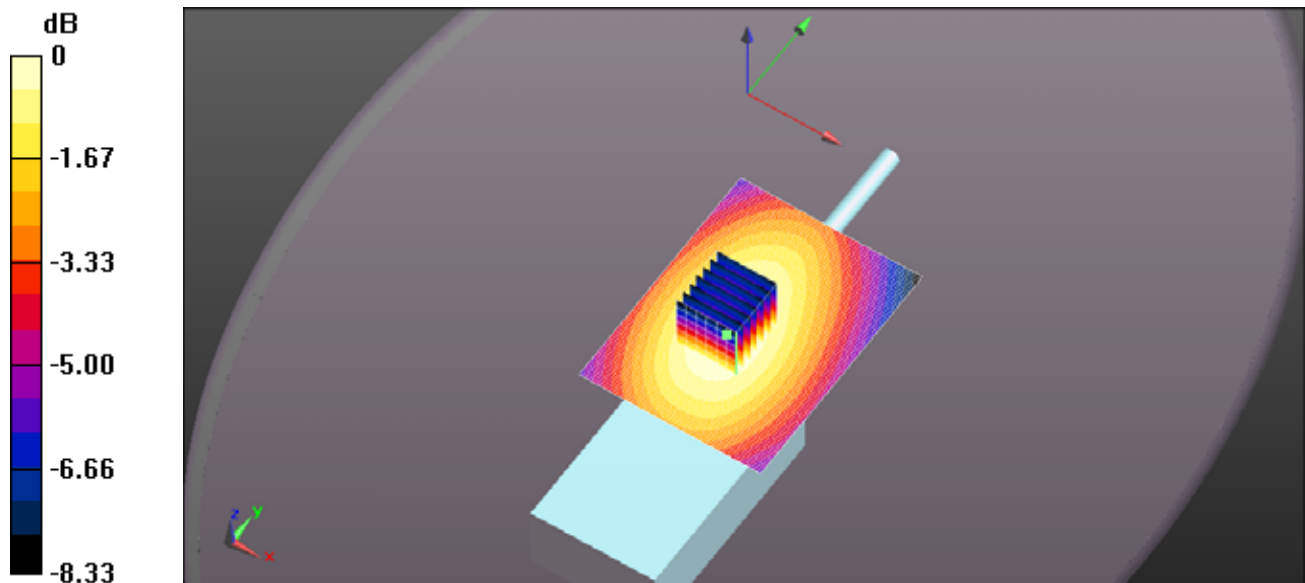
SAR(1 g) = 2.71 W/kg; SAR(10 g) = 1.97 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.45 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 3.44 W/kg



0 dB = 3.45 W/kg = 5.38 dBW/kg

FILE NAME: ICOM-496Q HEAD FA-SC61UC 450MHZ 125MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.865$ S/m; $\epsilon_r = 46.021$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

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

Reference Value = 52.78 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.88 W/kg

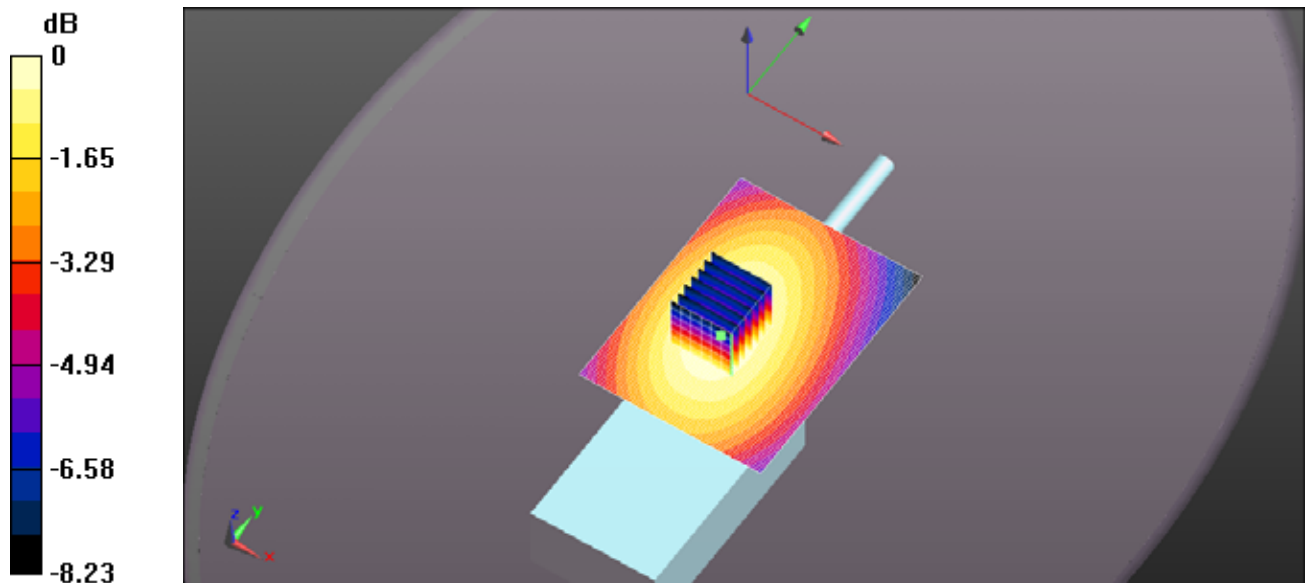
SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.47 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.53 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 2.49 W/kg



0 dB = 2.53 W/kg = 4.03 dBW/kg

EXHIBIT 2. PRESCAN MEASUREMENT SUMMARY

Battery BP-292UL 2010mAh HM-184UL	Antenna	Power (W)	CH	CH. Freq	BODY SAR1g (W/Kg)	Power Drift
				(MHz)		(dB)
MB-136	FA-SC72U	5.13	1	470	2.17	0
MBB-3		5.13	1	470	4.31	-0.41

MBB-3 Belt Clip resulted in the higher SAR values and will be used for Body SAR measurements

FILE NAME: [ICOM-496Q BODY FA-SC72U 470MHZ MB-136.DA52:0](#)

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 56.429$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

(7x8x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 53.28 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.25 W/kg

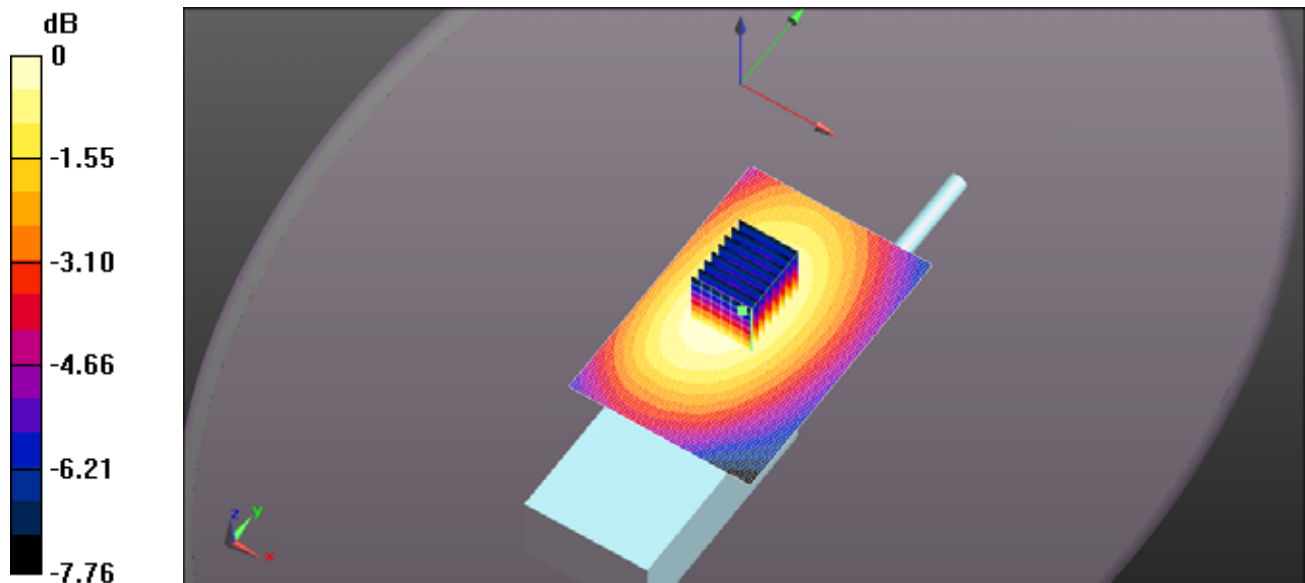
SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.64 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.83 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x91x1):

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

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



0 dB = 2.83 W/kg = 4.52 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC72U 470MHZ MBB-3.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 56.429$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 76.71 V/m ; Power Drift = -0.41 dB

Peak SAR (extrapolated) = 6.35 W/kg

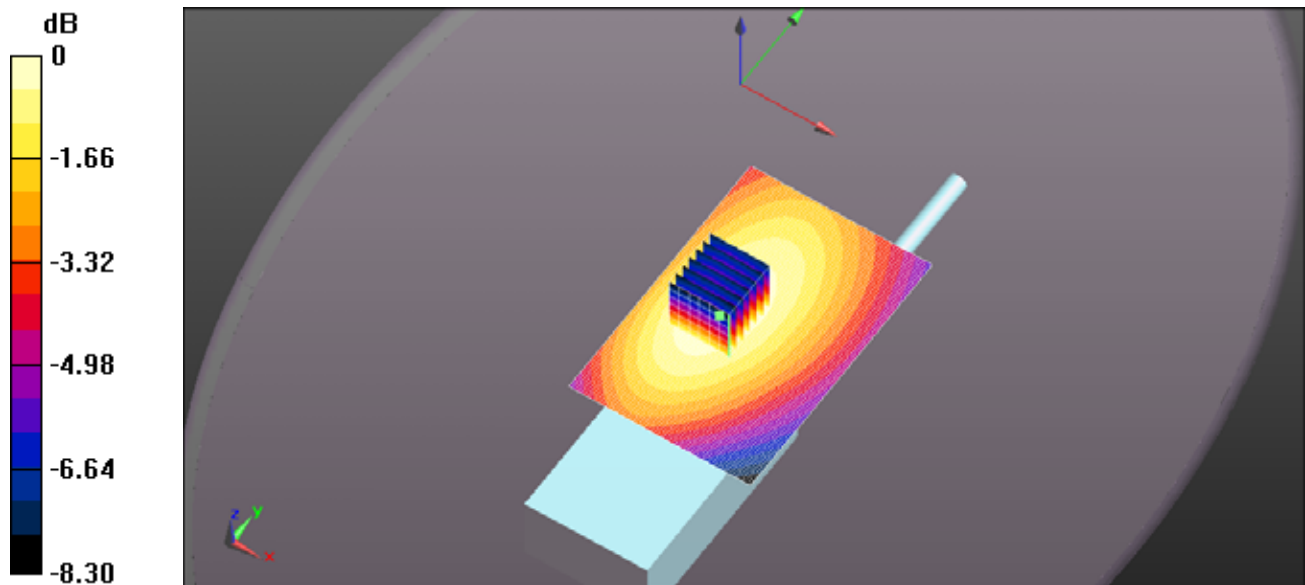
SAR(1 g) = 4.31 W/kg ; SAR(10 g) = 3.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.58 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 5.52 W/kg



0 dB = $5.58 \text{ W/kg} = 7.47 \text{ dBW/kg}$

EXHIBIT 3. BODY SAR MEASUREMENTS

Antenna	Power (dBm)	CH	CH. Freq	BODY SAR _{1g} (W/Kg)	Power Drift (dB)
				BP-292UL	
			(MHz)	2010mAh	
FA-S57U 430-470 MHz	37.14	6	450	5.15	-0.68
	37.07	7	460	**	**
	37.1	1	470	5.08	-0.89
FA-S72U 470-512 MHz	37.1	1	470	4.31	-0.49
	37.08	3	490	**	**
	37.06	5	512	5.37	-0.49
FA-S73US 450-490 MHz	37.14	6	450	2.69	-1.14
	37.03	2	470	0.915	-0.56
	37.08	3	490	0.473	-0.36
FA-S26US 400-450 MHz	37.14	6	450	3.49	0

Cut Antenna	Power (dBm)	CH	CH. Freq	BODY SAR1g (W/Kg)	Power Drift (dB)
				BP-292UL	
			(MHz)	2010mAh	
FA-SC61UC 440MHz 148 mm	37.14	6	450	5.89	-0.92
	37.07	7	460	**	**
	37.03	2	480	3.85	-0.74
	37.08	3	490	**	**
	37.06	5	512	4.33	-1.21
FA-S61UC 460MHz 142mm	37.14	6	450	**	**
	37.07	7	460	4.1	-0.47
	37.10	1	470	4.46	-1.31
	37.08	3	490	6.23	-0.78
	37.06	5	512	4.98	-0.71
FA-S61UC 480MHz 136mm	37.14	6	450	4.61	-0.45
	37.07	7	460	**	**
	37.03	2	480	5.36	-1.03
	37.08	3	490	**	**
	37.06	5	512	6.16	-0.73
FA-S61UC 500MHz 129mm	37.14	6	450	**	**
	37.07	7	460	3.43	-0.2
	37.03	2	480	**	**
	37.08	4	500	6.73	-0.61
	37.06	5	512	**	**
FA-S61UC 520MHz 125mm	37.14	6	450	3.23	-0.06
	37.07	7	460	**	**
	37.03	2	470	3.31	-0.13
	37.08	3	490	**	**
	37.06	5	512	6.47	-0.57

FILE NAME: [ICOM-496Q BODY FA-SC72U 470MHZ.DA52:0](#)

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 56.429$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

(8x8x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 76.26 V/m; Power Drift = -0.49 dB

Peak SAR (extrapolated) = 6.26 W/kg

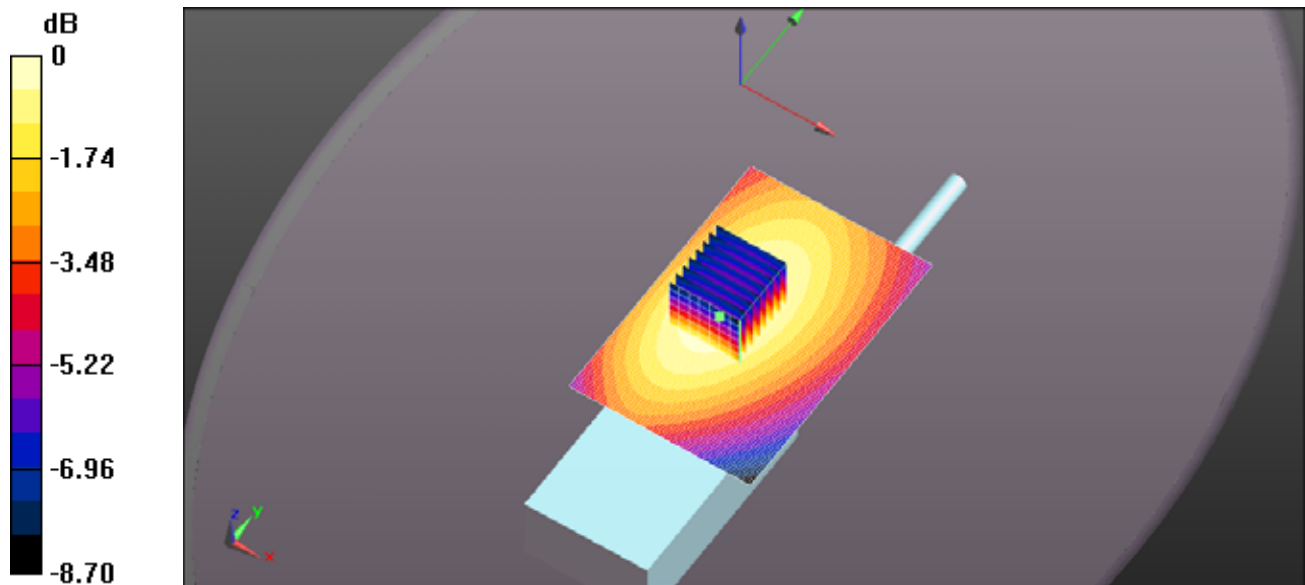
SAR(1 g) = 4.31 W/kg; SAR(10 g) = 3.19 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.51 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 5.81 W/kg



FILE NAME: [ICOM-496Q BODY FA-SC72U 512MHZ.DA52:0](#)

DUT: IC-F62D-UL; **Type:** Portable UHF Transceiver; **Serial:** 21000202

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 512 \text{ MHz}$; $\sigma = 0.965 \text{ S/m}$; $\epsilon_r = 55.087$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 83.84 V/m; Power Drift = -0.49 dB

Peak SAR (extrapolated) = 7.74 W/kg

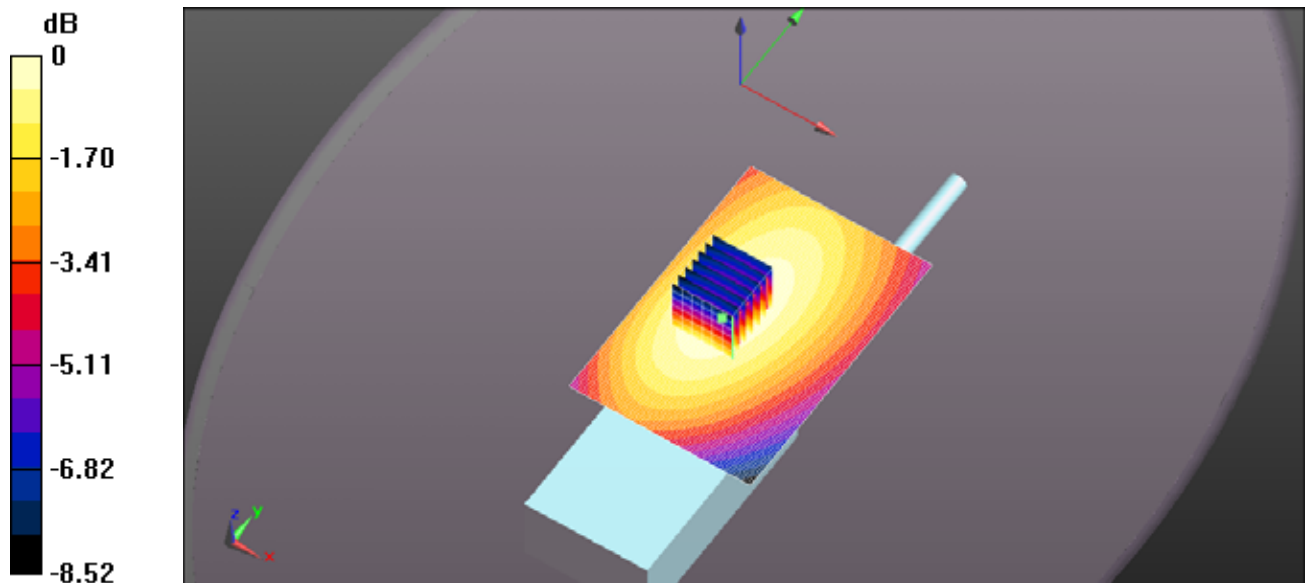
SAR(1 g) = 5.37 W/kg; SAR(10 g) = 3.93 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.84 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 7.23 W/kg



0 dB = 6.84 W/kg = 8.35 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC57U 470MHZ.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 56.429$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 86.12 V/m ; Power Drift = -0.90 dB

Peak SAR (extrapolated) = 7.39 W/kg

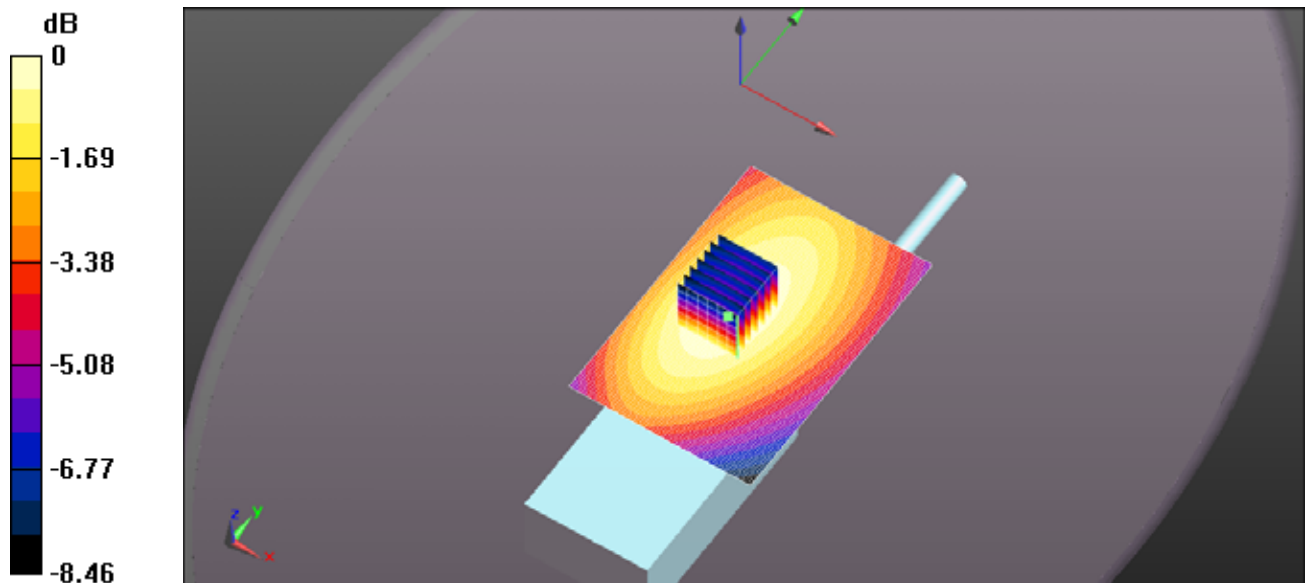
SAR(1 g) = 5.08 W/kg ; SAR(10 g) = 3.71 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.51 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 6.78 W/kg



0 dB = 6.51 W/kg = 8.13 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC73US 470MHZ.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 56.429$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 34.44 V/m; Power Drift = -0.56 dB

Peak SAR (extrapolated) = 1.35 W/kg

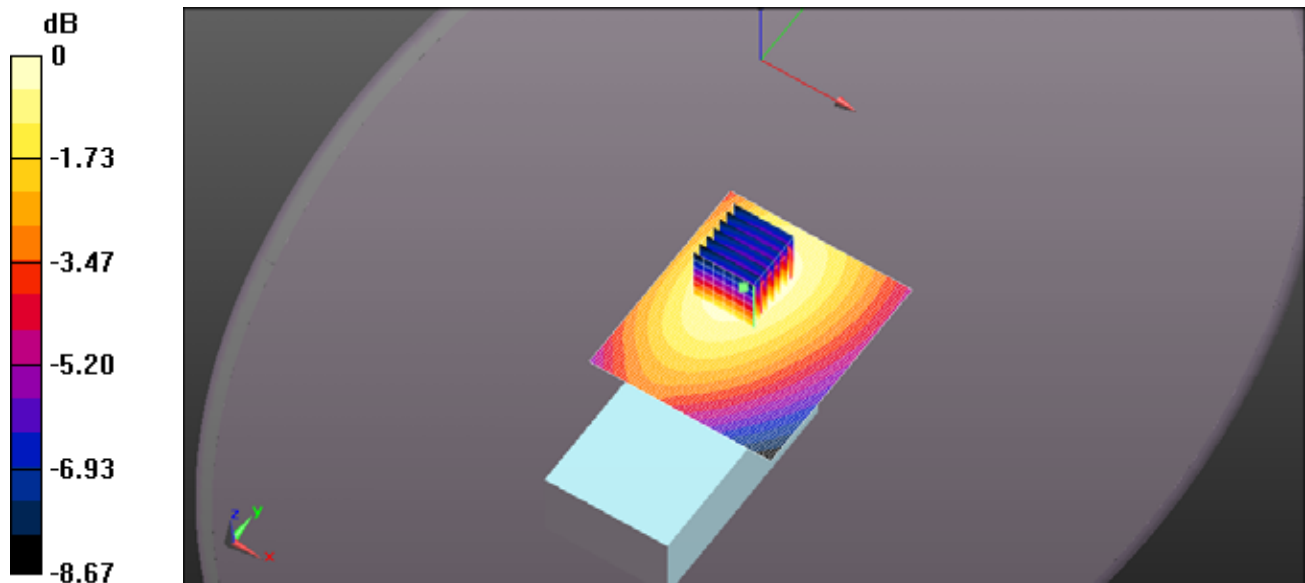
SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.665 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.18 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x71x1):

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

Maximum value of SAR (interpolated) = 1.25 W/kg



0 dB = 1.18 W/kg = 0.72 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC73US 490MHZ.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 490$ MHz; $\sigma = 0.946$ S/m; $\epsilon_r = 55.901$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 23.00 V/m; Power Drift = -0.36 dB

Peak SAR (extrapolated) = 0.700 W/kg

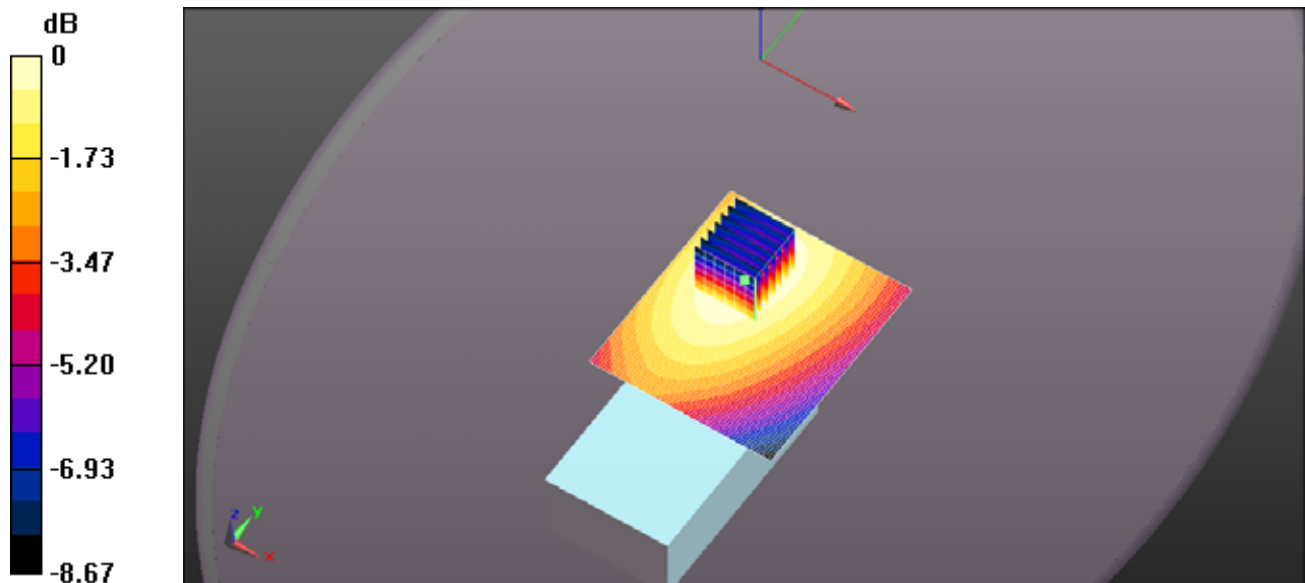
SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.342 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.609 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x71x1):

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

Maximum value of SAR (interpolated) = 0.623 W/kg



0 dB = 0.609 W/kg = -2.16 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC61UC 470MHZ 142MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 56.429$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

(8x8x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 84.11 V/m ; Power Drift = -1.31 dB

Peak SAR (extrapolated) = 6.49 W/kg

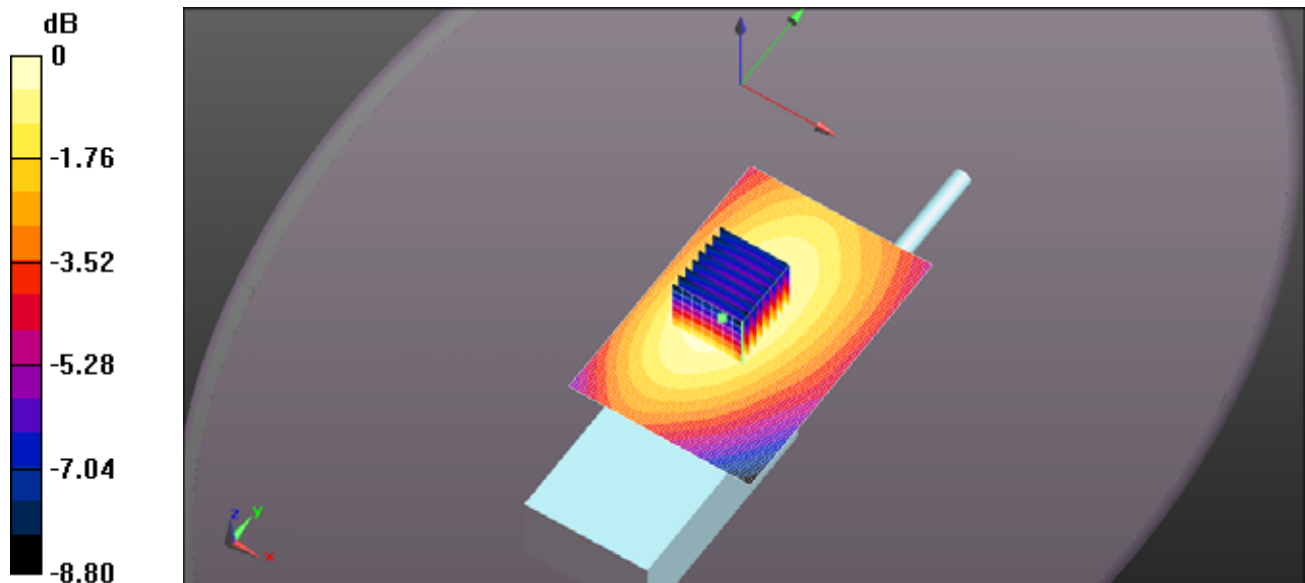
SAR(1 g) = 4.46 W/kg ; SAR(10 g) = 3.27 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.68 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 6.34 W/kg



0 dB = $5.68 \text{ W/kg} = 7.54 \text{ dBW/kg}$

FILE NAME: ICOM-496Q BODY FA-SC61UC 512MHZ 142MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 0.965$ S/m; $\epsilon_r = 55.087$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 82.53 V/m; Power Drift = -0.71 dB

Peak SAR (extrapolated) = 7.18 W/kg

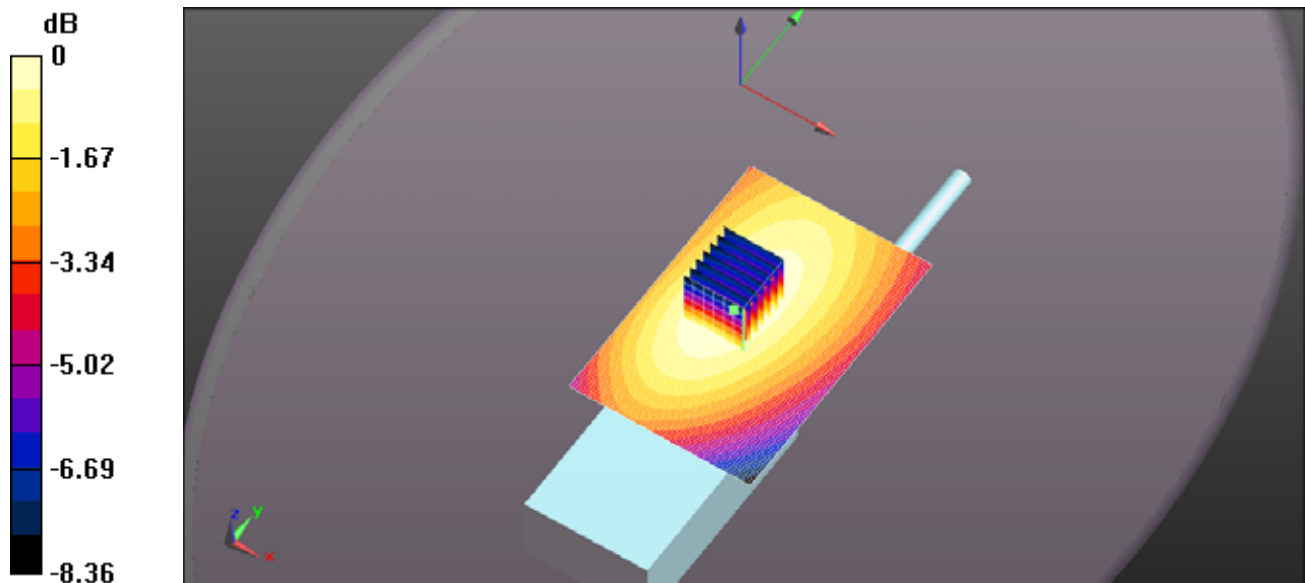
SAR(1 g) = 4.98 W/kg; SAR(10 g) = 3.66 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.35 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 6.95 W/kg



0 dB = 6.35 W/kg = 8.02 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC61UC 480MHZ 136MM.DA52:0

DUT: IC-F62D-UL; **Type:** Portable UHF Transceiver; **Serial:** 21000202

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480 \text{ MHz}$; $\sigma = 0.938 \text{ S/m}$; $\epsilon_r = 56.228$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

(8x8x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 84.00 V/m ; Power Drift = -1.03 dB

Peak SAR (extrapolated) = 7.80 W/kg

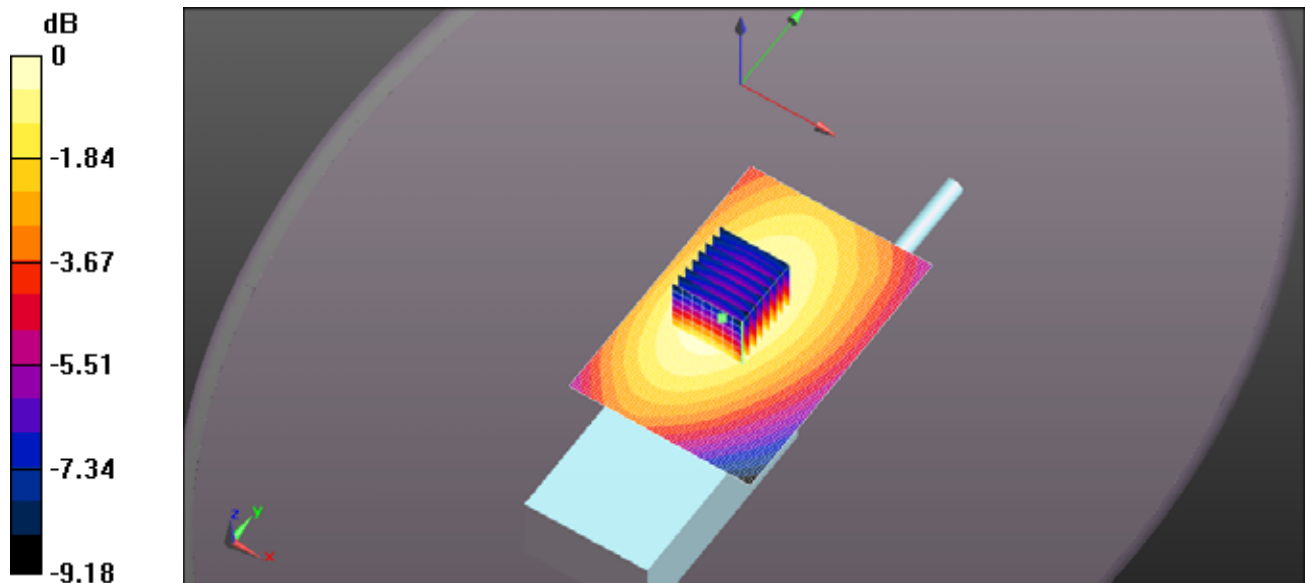
SAR(1 g) = 5.36 W/kg ; SAR(10 g) = 3.9 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.86 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 7.10 W/kg



0 dB = $6.86 \text{ W/kg} = 8.36 \text{ dBW/kg}$

FILE NAME: ICOM-496Q BODY FA-SC61UC 500MHZ 129MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 500$ MHz; $\sigma = 0.954$ S/m; $\epsilon_r = 55.492$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

(8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.29 V/m; Power Drift = -0.61 dB

Peak SAR (extrapolated) = 9.72 W/kg

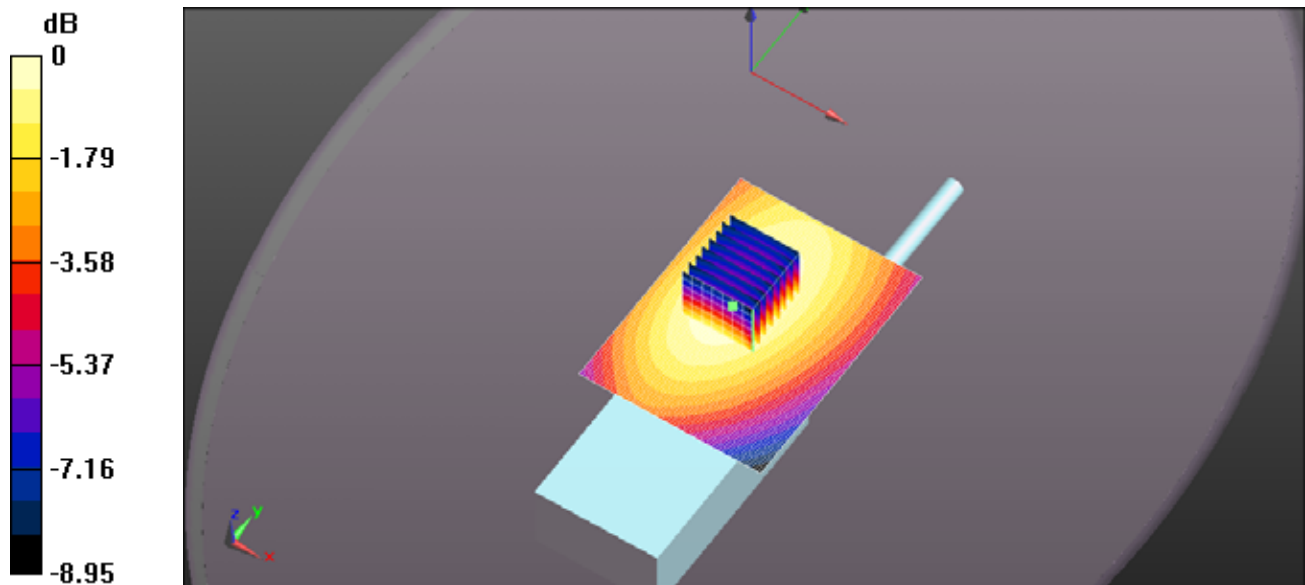
SAR(1 g) = 6.73 W/kg; SAR(10 g) = 4.91 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.55 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 9.34 W/kg



0 dB = 8.55 W/kg = 9.32 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC61UC 470MHZ 125MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 56.429$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 65.45 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.85 W/kg

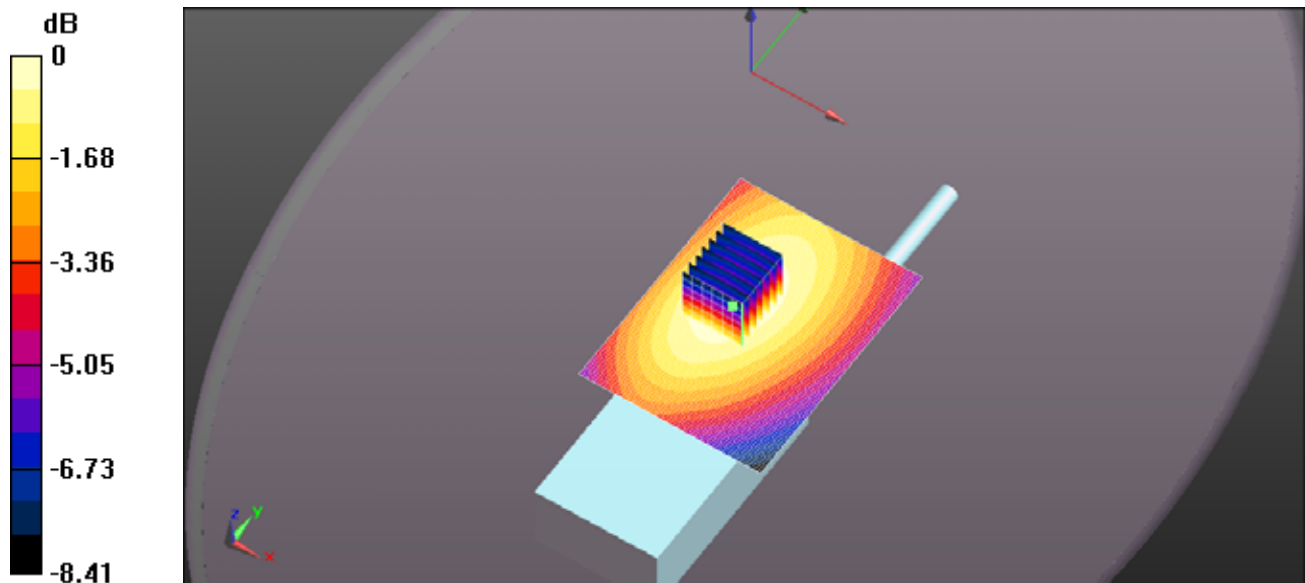
SAR(1 g) = 3.31 W/kg; SAR(10 g) = 2.42 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.27 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 4.37 W/kg



0 dB = 4.27 W/kg = 6.30 dBW/kg

FILE NAME: [ICOM-496Q BODY FA-SC61UC 512MHZ 125MM.DA52:0](#)

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 0.965$ S/m; $\epsilon_r = 55.087$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 93.40 V/m; Power Drift = -0.57 dB

Peak SAR (extrapolated) = 9.27 W/kg

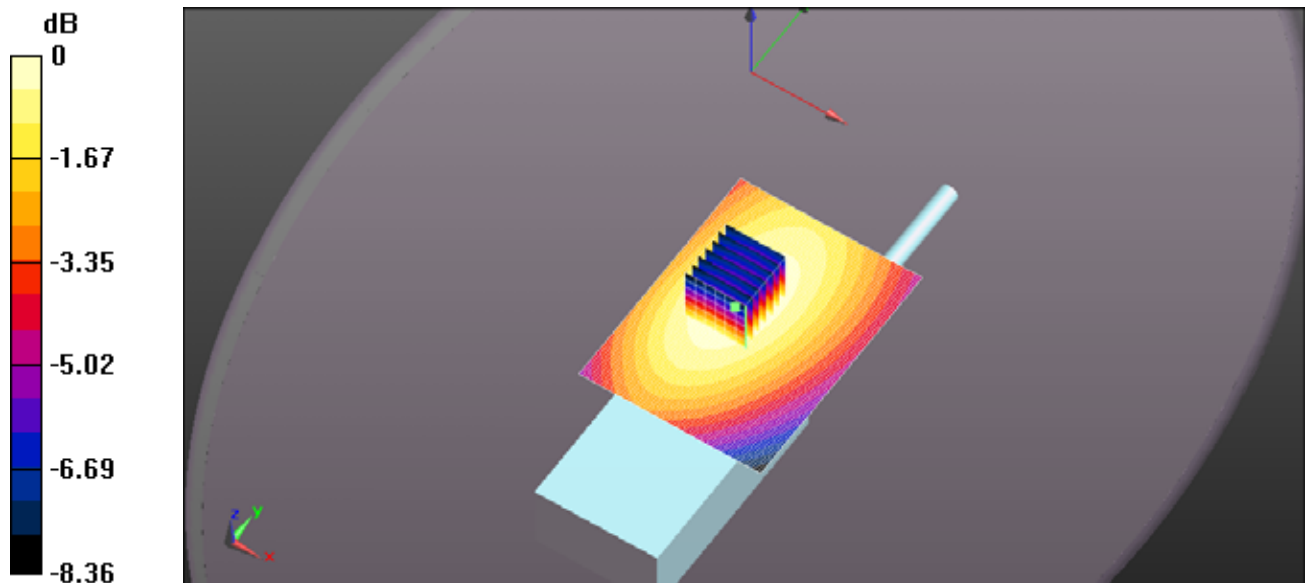
SAR(1 g) = 6.47 W/kg; SAR(10 g) = 4.73 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.17 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 8.80 W/kg



0 dB = 8.17 W/kg = 9.12 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC57U 450MHZ.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.904 \text{ S/m}$; $\epsilon_r = 55.534$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

(8x8x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 84.59 V/m ; Power Drift = -0.68 dB

Peak SAR (extrapolated) = 7.20 W/kg

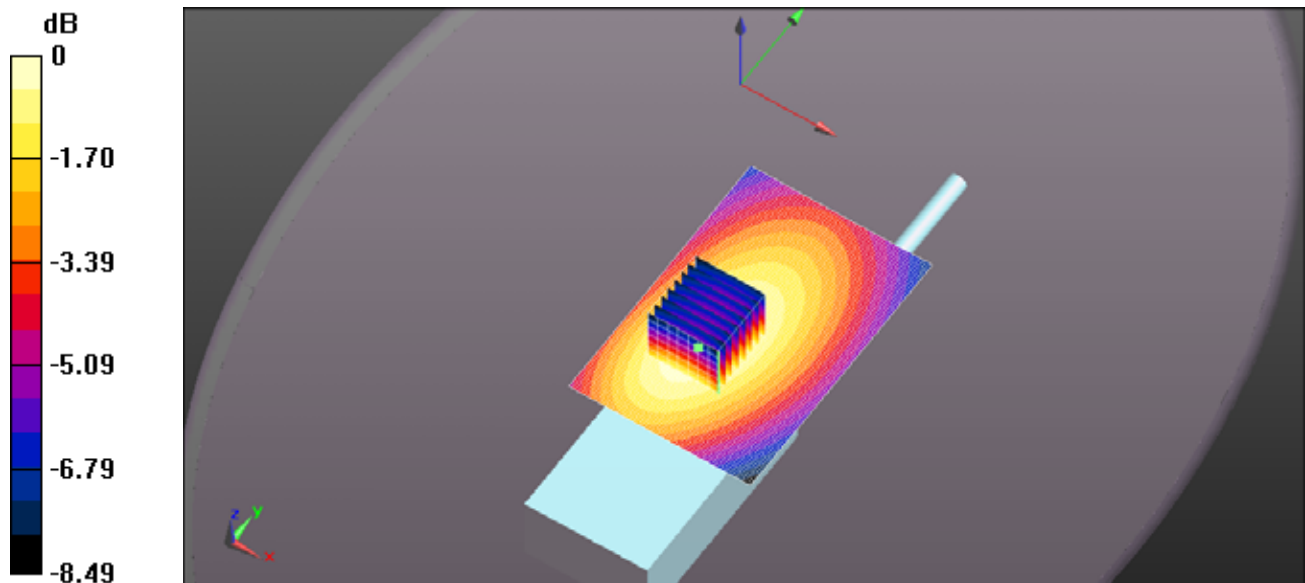
SAR(1 g) = 5.15 W/kg ; SAR(10 g) = 3.81 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.36 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x91x1):

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

Maximum value of SAR (interpolated) = 6.58 W/kg



FILE NAME: ICOM-496Q BODY FA-SC73US 450MHZ.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 55.534$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 64.62 V/m; Power Drift = -1.14 dB

Peak SAR (extrapolated) = 3.77 W/kg

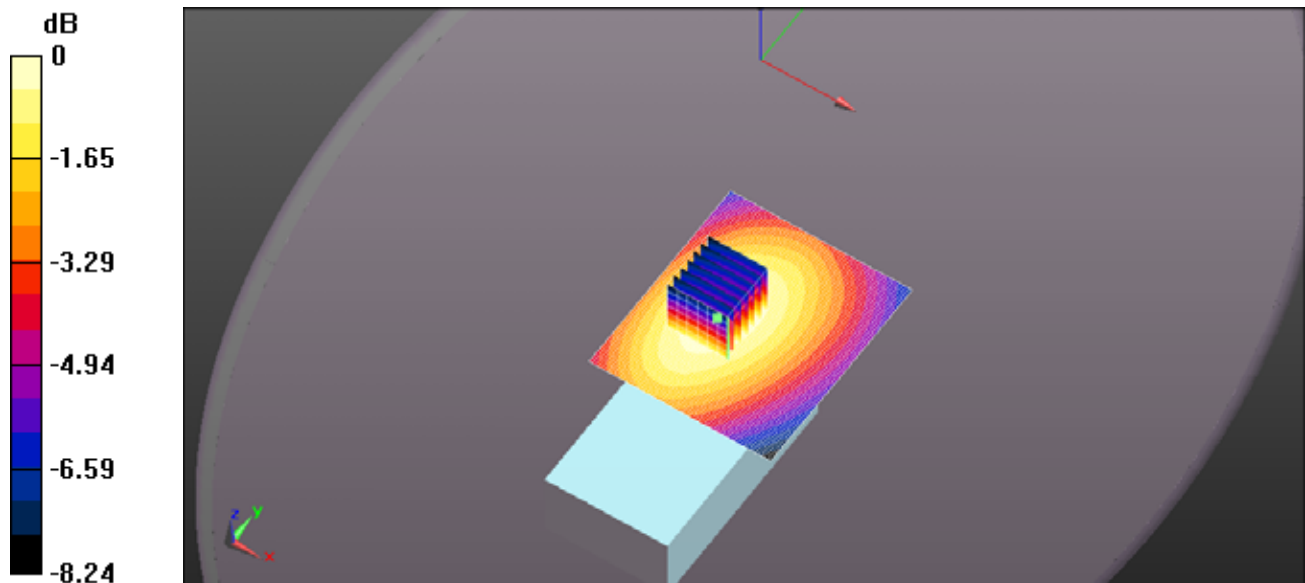
SAR(1 g) = 2.69 W/kg; SAR(10 g) = 1.99 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.31 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x71x1):

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

Maximum value of SAR (interpolated) = 3.60 W/kg



0 dB = 3.31 W/kg = 5.20 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC26US 450MHZ.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 55.534$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 65.25 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 4.92 W/kg

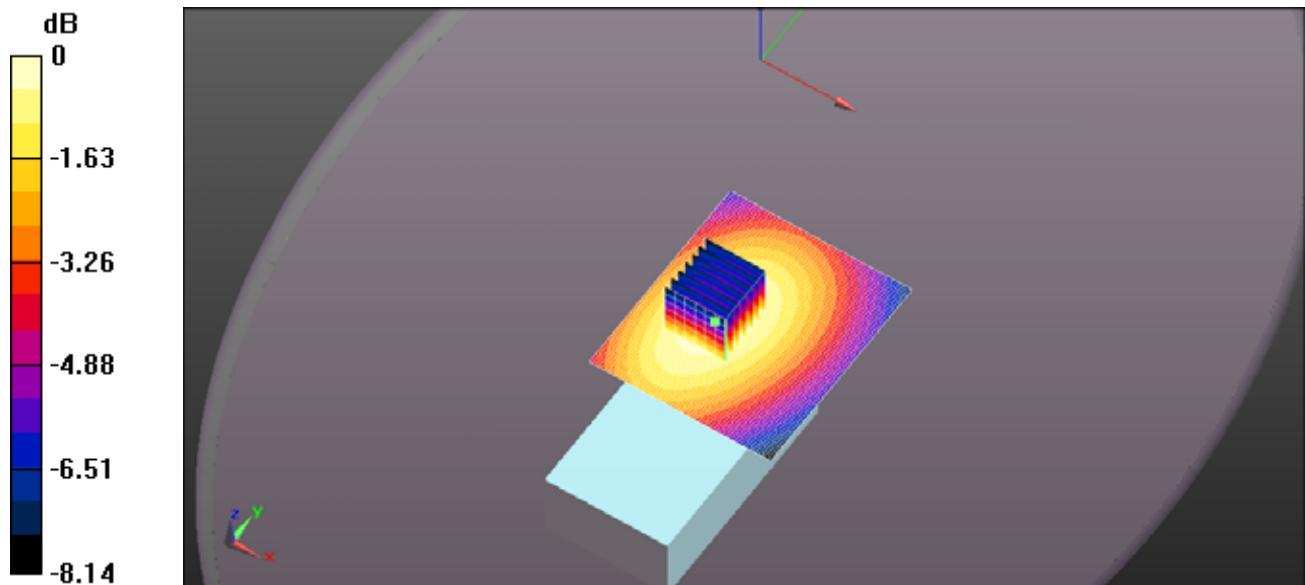
SAR(1 g) = 3.49 W/kg; SAR(10 g) = 2.56 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.32 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x71x1):

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

Maximum value of SAR (interpolated) = 4.37 W/kg



0 dB = 4.32 W/kg = 6.35 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC61UC 450MHZ 148MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 55.534$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 95.05 V/m; Power Drift = -0.92 dB

Peak SAR (extrapolated) = 8.23 W/kg

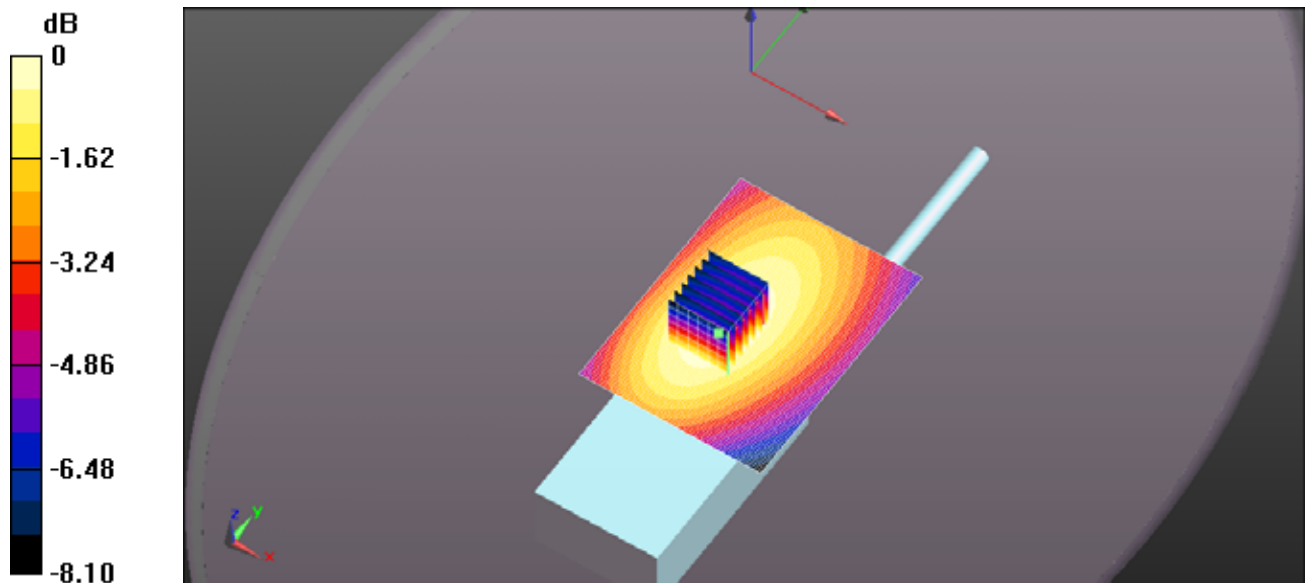
SAR(1 g) = 5.89 W/kg; SAR(10 g) = 4.37 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.27 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 7.91 W/kg



0 dB = 7.27 W/kg = 8.62 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC61UC 480MHZ 148MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480 \text{ MHz}$; $\sigma = 0.921 \text{ S/m}$; $\epsilon_r = 55.315$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 74.01 V/m ; Power Drift = -0.74 dB

Peak SAR (extrapolated) = 5.55 W/kg

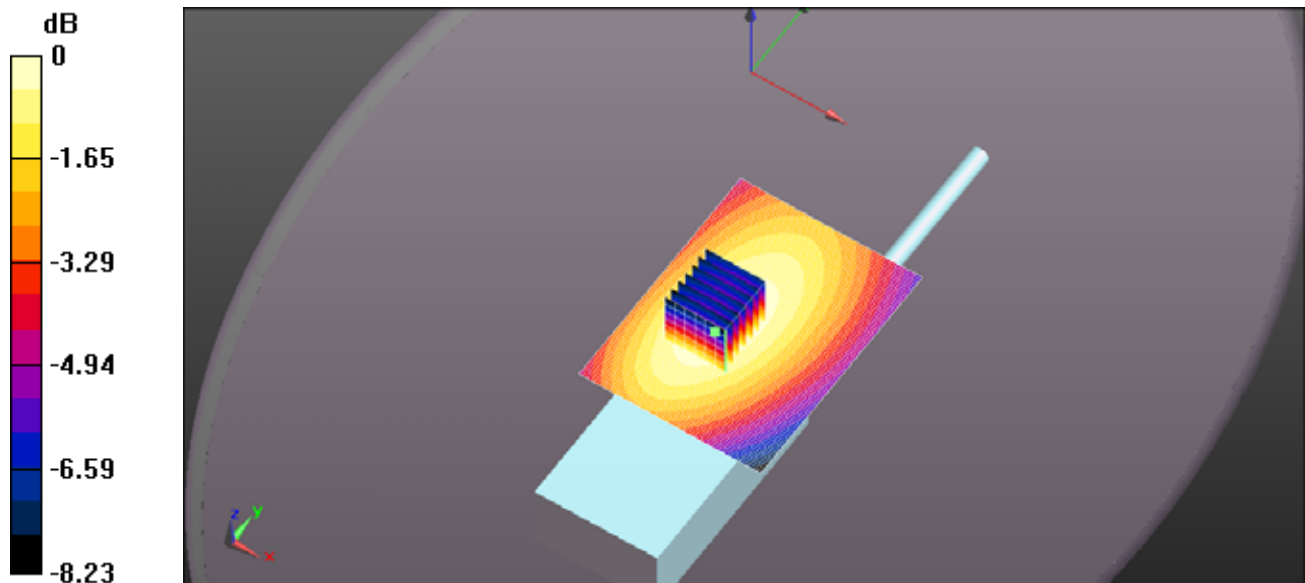
SAR(1 g) = 3.85 W/kg ; SAR(10 g) = 2.84 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.90 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 5.09 W/kg



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

FILE NAME: ICOM-496Q BODY FA-SC61UC 512MHZ 148MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 0.977$ S/m; $\epsilon_r = 54.193$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 82.95 V/m; Power Drift = -1.21 dB

Peak SAR (extrapolated) = 6.24 W/kg

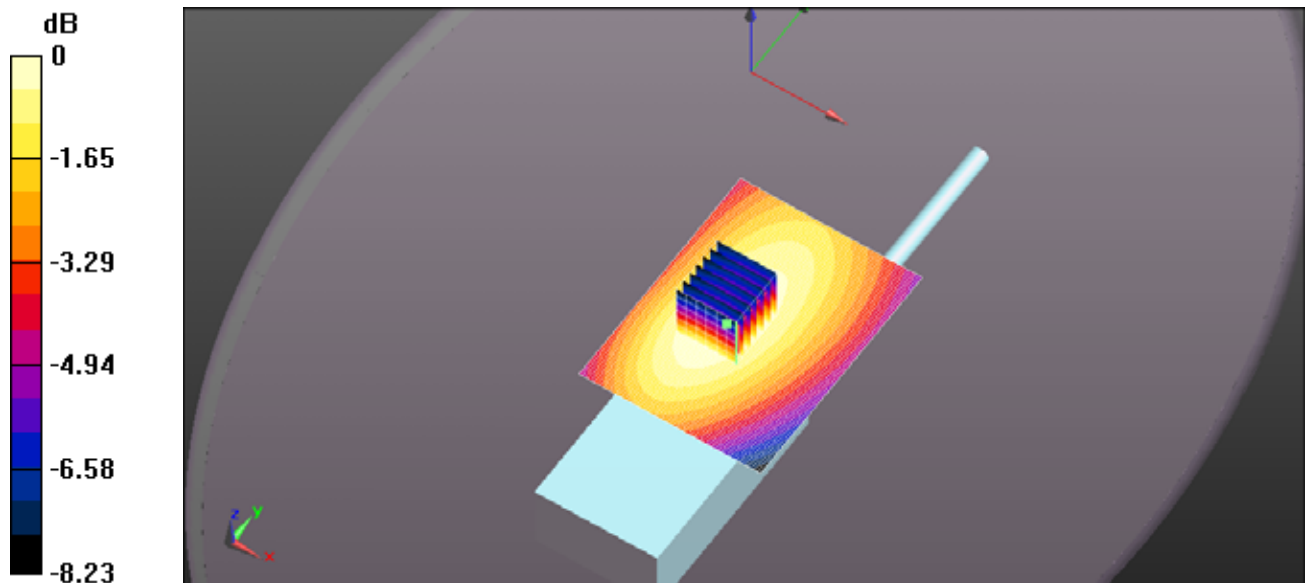
SAR(1 g) = 4.33 W/kg; SAR(10 g) = 3.19 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.50 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 6.05 W/kg



FILE NAME: ICOM-496Q BODY FA-SC61UC 460MHZ 142MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 55.553$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 76.39 V/m; Power Drift = -0.47 dB

Peak SAR (extrapolated) = 5.88 W/kg

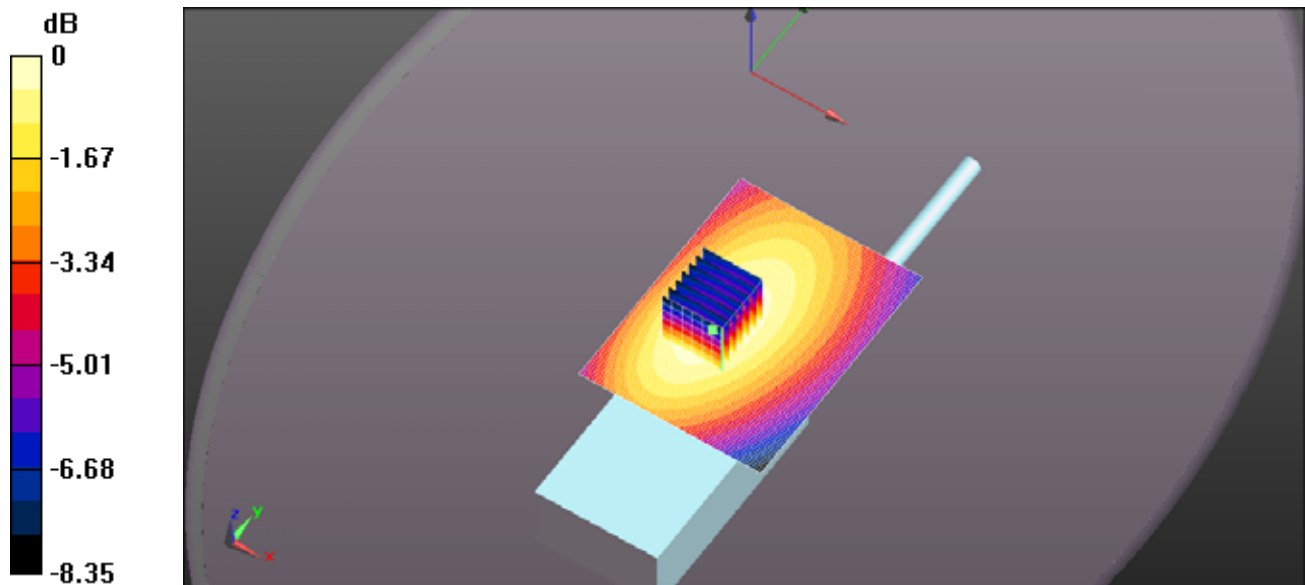
SAR(1 g) = 4.1 W/kg; SAR(10 g) = 3.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.19 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 5.38 W/kg



0 dB = 5.19 W/kg = 7.15 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC61UC 490MHZ 142MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 490$ MHz; $\sigma = 0.937$ S/m; $\epsilon_r = 54.981$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

(8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 94.53 V/m; Power Drift = -0.78 dB

Peak SAR (extrapolated) = 9.02 W/kg

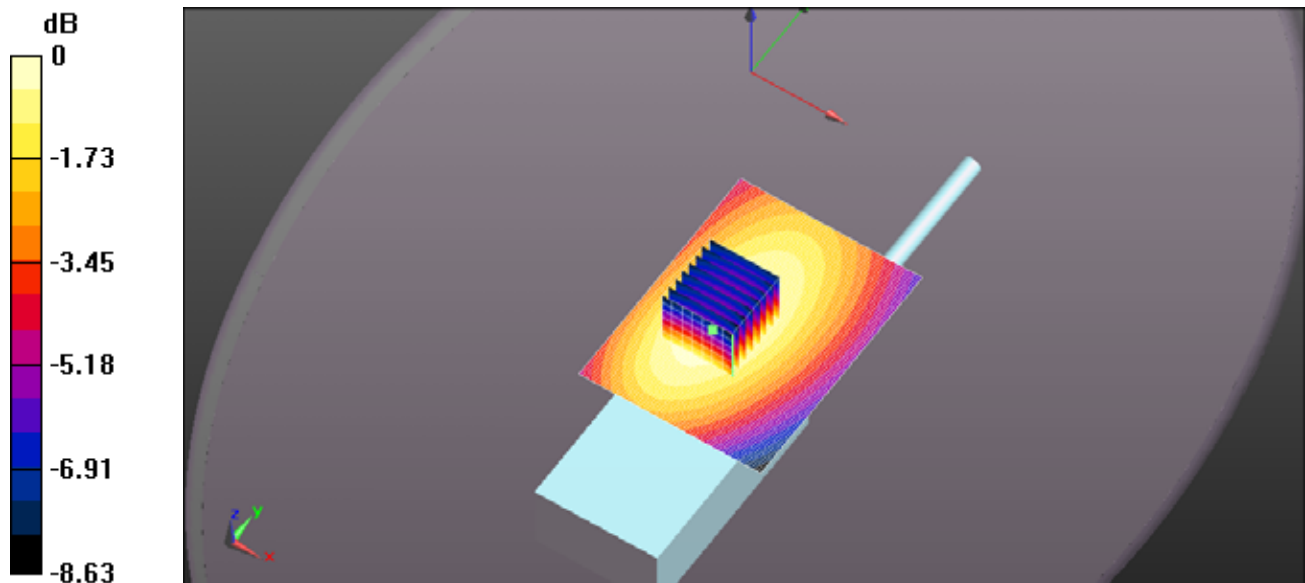
SAR(1 g) = 6.23 W/kg; SAR(10 g) = 4.59 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.93 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 8.48 W/kg



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

FILE NAME: ICOM-496Q BODY FA-SC61UC 450MHZ 136MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 55.534$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 80.18 V/m; Power Drift = -0.46 dB

Peak SAR (extrapolated) = 6.50 W/kg

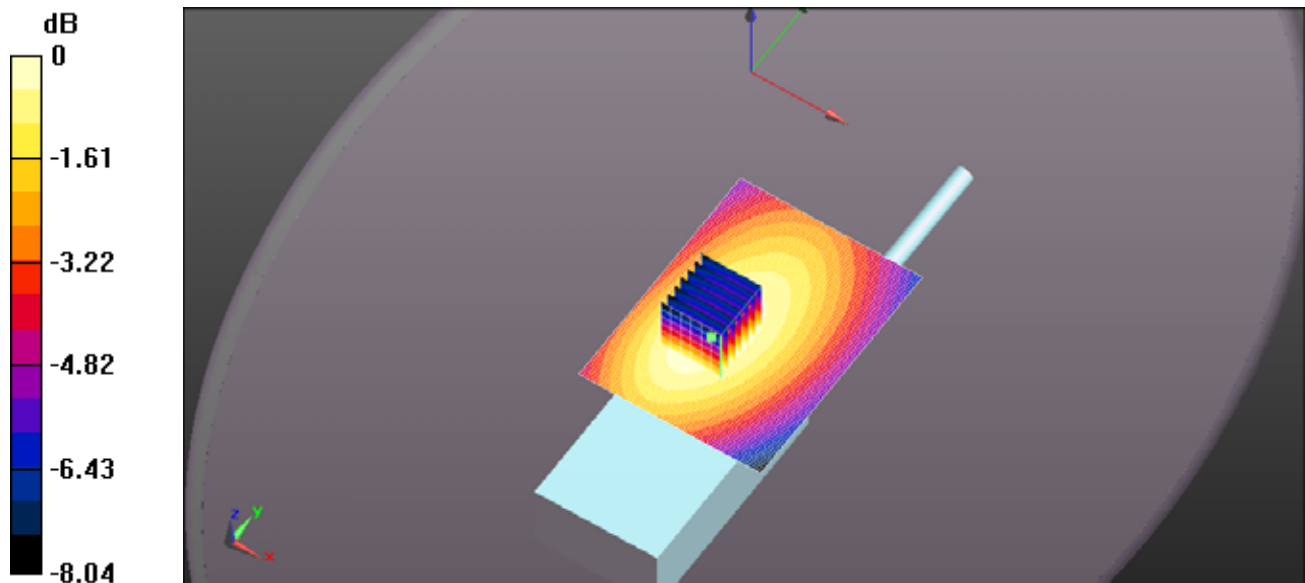
SAR(1 g) = 4.61 W/kg; SAR(10 g) = 3.41 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.74 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 6.00 W/kg



0 dB = 5.74 W/kg = 7.59 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC61UC 512MHZ 136MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 0.977$ S/m; $\epsilon_r = 54.193$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 92.95 V/m; Power Drift = -0.73 dB

Peak SAR (extrapolated) = 8.84 W/kg

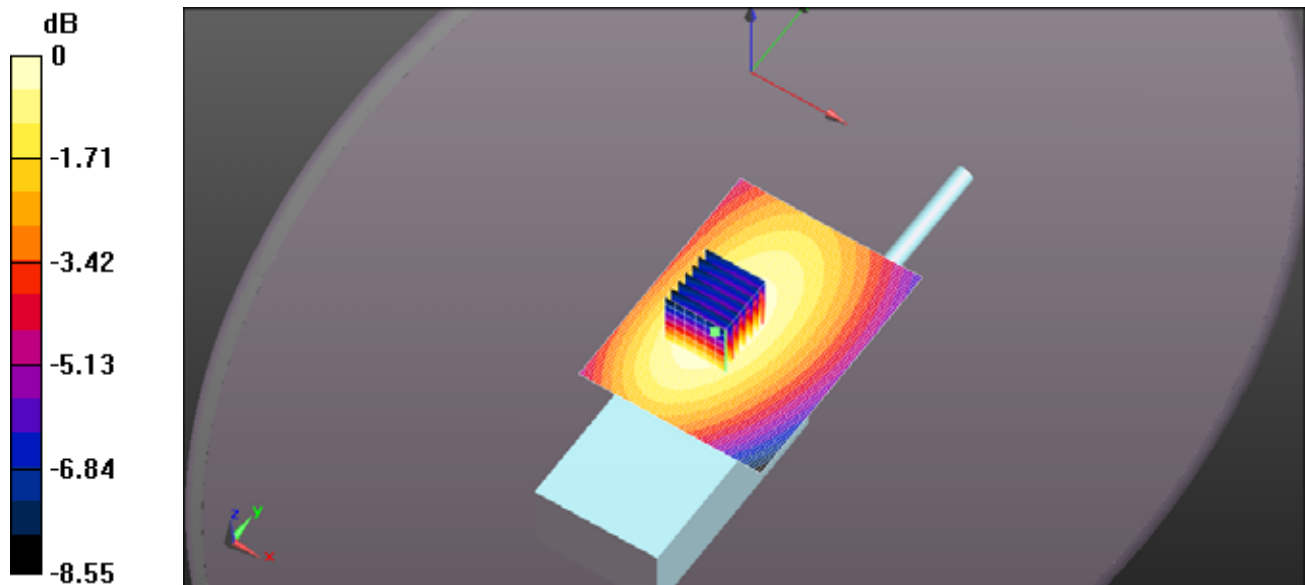
SAR(1 g) = 6.16 W/kg; SAR(10 g) = 4.53 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.82 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 8.40 W/kg



0 dB = 7.82 W/kg = 8.93 dBW/kg

FILE NAME: ICOM-496Q BODY FA-SC61UC 460MHZ 129MM.DA52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 55.553$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 68.66 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 4.95 W/kg

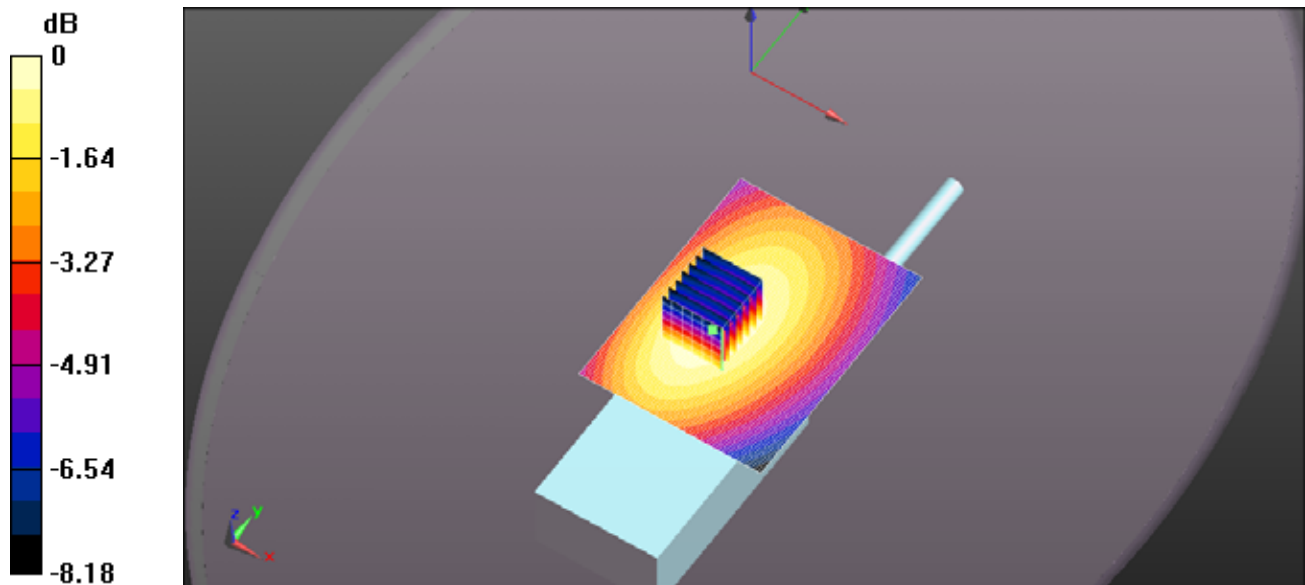
SAR(1 g) = 3.43 W/kg; SAR(10 g) = 2.52 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.37 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 4.41 W/kg



0 dB = 4.37 W/kg = 6.40 dBW/kg

FILE NAME: [ICOM-496Q BODY FA-SC61UC 450MHZ 125MM.DA52:0](#)

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 21000202

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 55.534$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7)

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

Reference Value = 64.03 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 4.55 W/kg

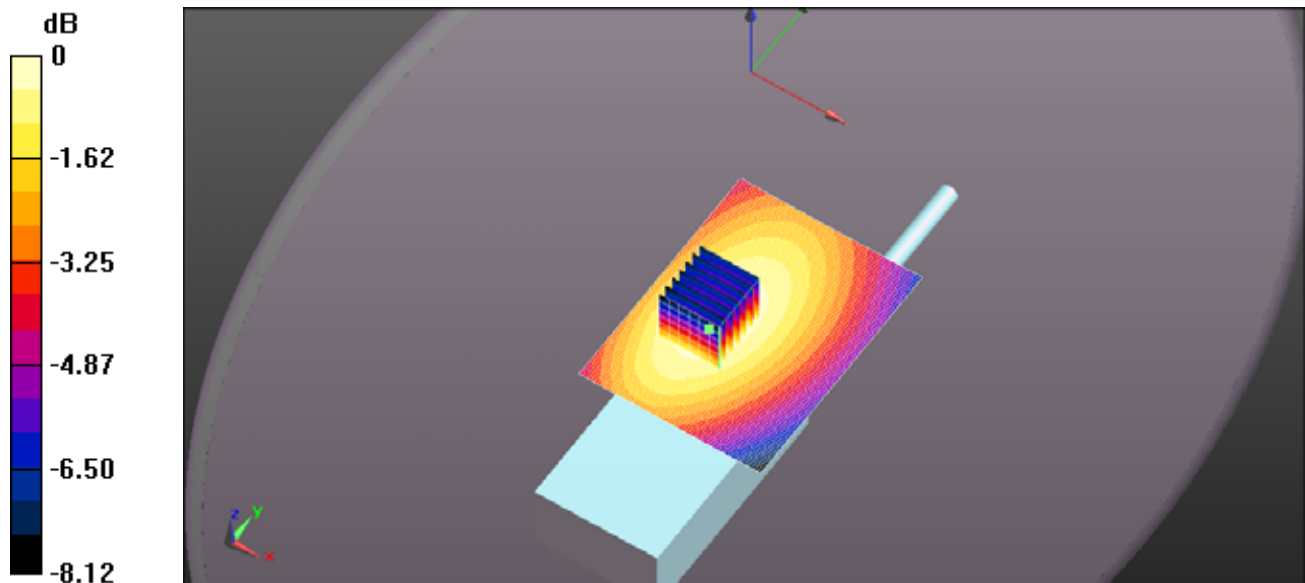
SAR(1 g) = 3.23 W/kg; SAR(10 g) = 2.37 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.01 W/kg

Configuration Body for IC-F62D-UL/Body Back, P=5W, d=0mm/Area Scan (61x81x1):

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

Maximum value of SAR (interpolated) = 3.96 W/kg



0 dB = 4.01 W/kg = 6.03 dBW/kg