APPENDIX 1

SAR Measurement Data

Contents

3000 Bristol Circle, Oakville, Ontario, Canada L6H 6G4
Tel. #: 905-829-1570, Fax. #: 905-829-8050, Email: vic@ultratech-labs.com, Website: http://www.ultratech-labs.com

EXHIBIT 1. HEAD SAR MEASUREMENTS

Head SAR Measurement Summary

Antenna	Power (W)	CH	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift
				BP-282	BP-282	
			(MHz)	1500mAh	1500mAh	(dB)
FA-SC59V	4.66	1	156.05	0.91	0.68	-1.37
	4.68	74	156.725	0.981	0.733	-1.54
	4.63	88	157.425	1.1	0.829	-0.78
SD-IC001	4.66	1	156.05	0.908	0.679	-1.23
	4.68	74	156.725	0.983	0.741	-0.47
	4.63	88	157.425	1.08	0.81	-0.84

FILE NAME: ICOM-577Q HEAD FA-SC59V 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW (0); Frequency: 156.05 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 156.05 MHz; σ = 0.799 S/m; ε_r = 50.424; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

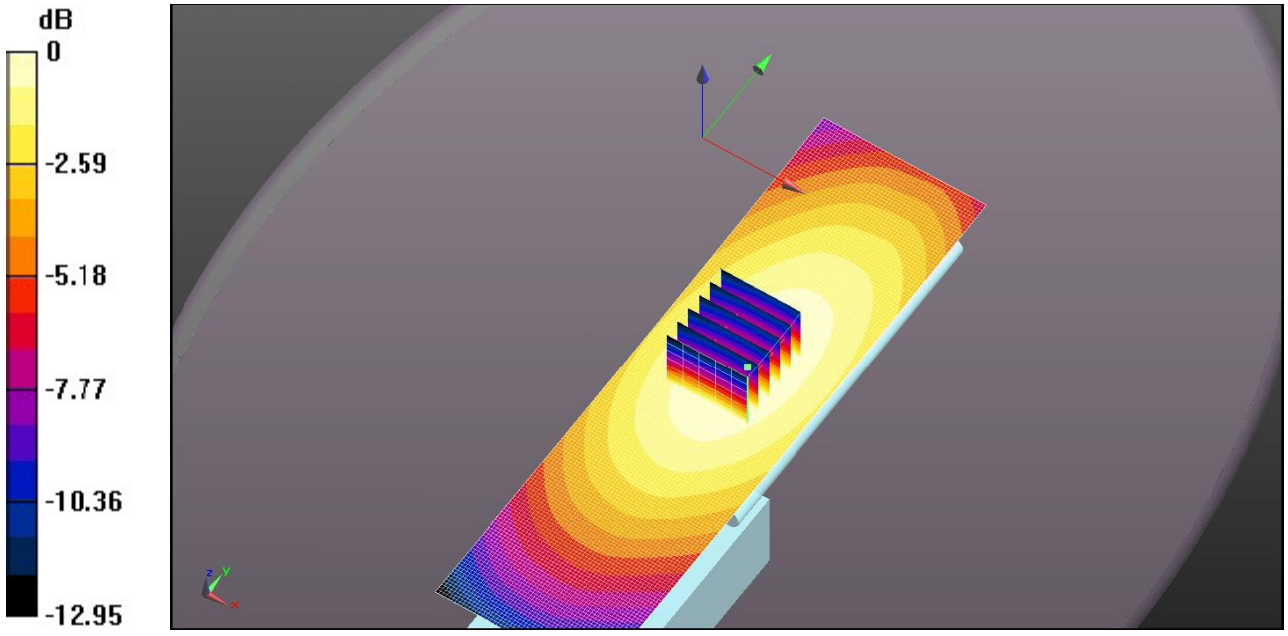
- l Probe: ES3DV3 - SN3208; ConvF(7.51, 7.51, 7.51); Calibrated: 3/18/2022;
- l Sensor-Surface: 3mm (Mechanical Surface Detection)
- l Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- l Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- l DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.13 W/kg

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Zoom Scan (7.5x7.5x5) (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.15 V/m; Power Drift = -1.37 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.680 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.71 W/kg



0 dB = 1.13 W/kg = 0.51 dBW/kg

FILE NAME: ICOM-577Q HEAD FA-SC59V 156.725MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW (0); Frequency: 156.725 MHz; Duty Cycle: 1:1
Medium parameters used: f = 156.725 MHz; σ = 0.799 S/m; ε_r = 50.462; ρ = 1000 kg/m^3; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

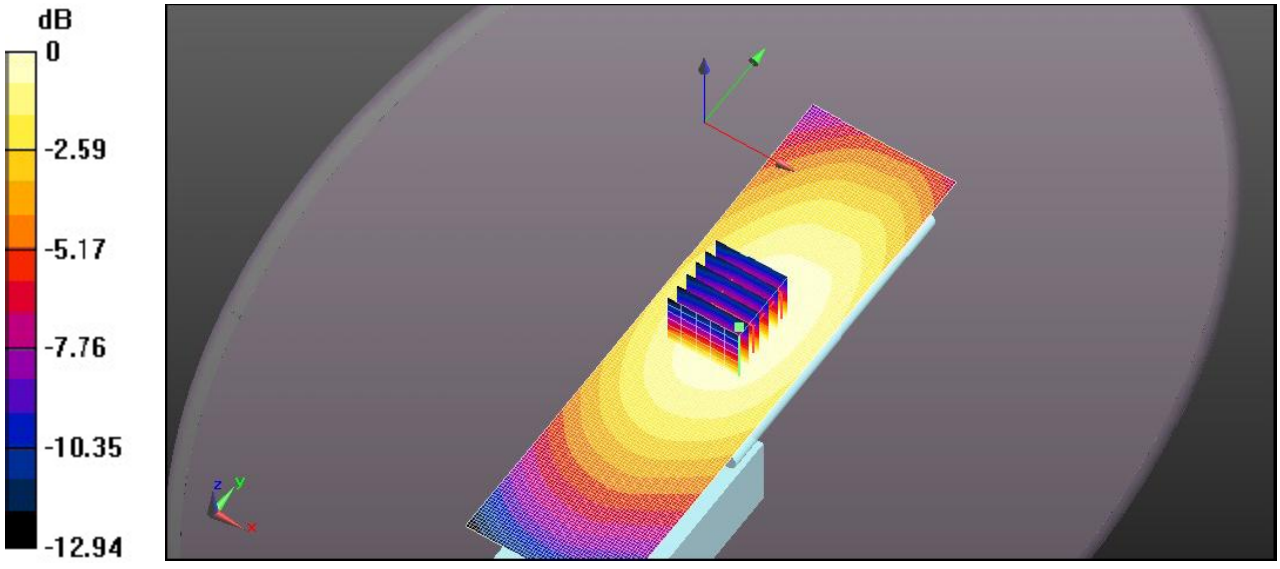
- Probe: ES3DV3 - SN3208; ConvF(7.51, 7.51, 7.51); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Zoom Scan (7.5x7.5x5) (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.37 V/m; Power Drift = -1.54 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.733 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.21 W/kg = 0.84 dBW/kg

FILE NAME: ICOM-577Q HEAD FA-SC59V 157.425MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW (0); Frequency: 157.425 MHz; Duty Cycle: 1:1
Medium parameters used: f = 158 MHz; σ = 0.801 S/m; ε_r = 50.534; ρ = 1000 kg/m^3; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

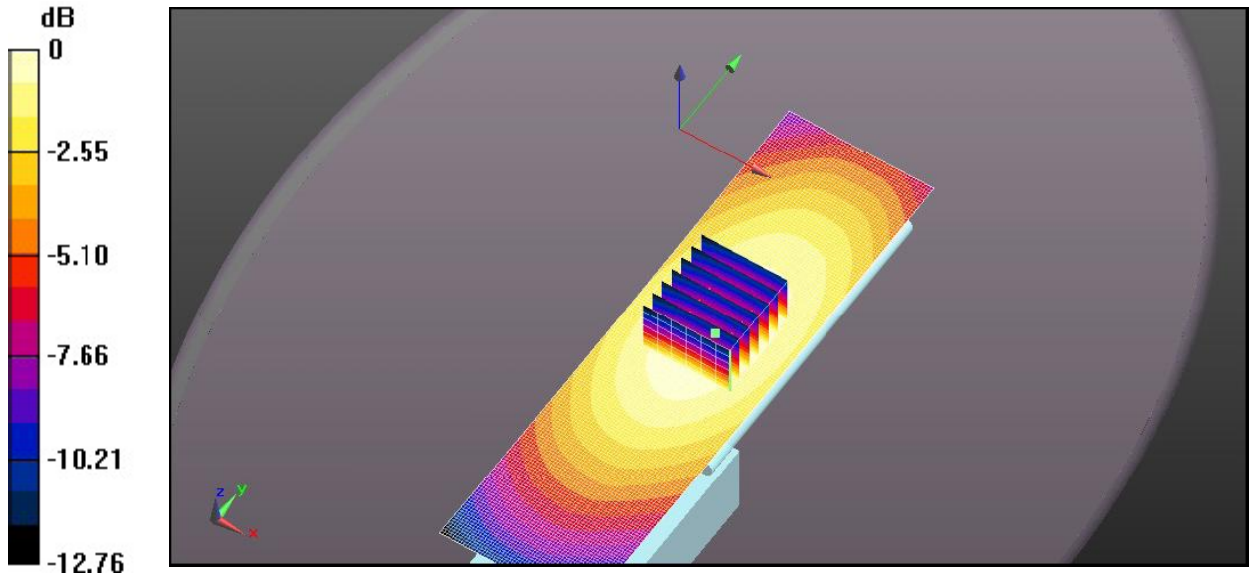
- Probe: ES3DV3 - SN3208; ConvF(7.51, 7.51, 7.51); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Zoom Scan (7.5x7.5x5) (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 40.10 V/m; Power Drift = -0.78 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.829 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg

FILE NAME: ICOM-577Q HEAD SD-IC001 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW (0); Frequency: 156.050 MHz; Duty Cycle: 1:1
Medium parameters used: f = 156.05 MHz; σ = 0.799 S/m; ε_r = 50.424; ρ = 1000 kg/m^3; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

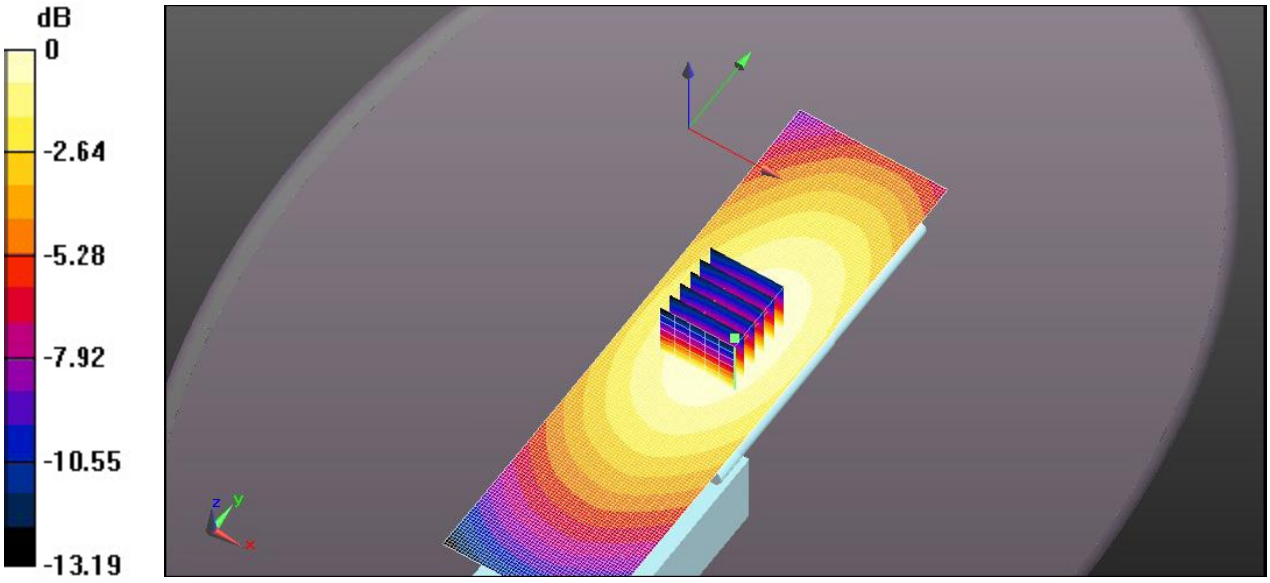
- Probe: ES3DV3 - SN3208; ConvF(7.51, 7.51, 7.51); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.15 W/kg

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Zoom Scan (7.5x7.5x5) (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 38.32 V/m; Power Drift = -1.23 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.908 W/kg; SAR(10 g) = 0.679 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.15 W/kg = 0.60 dBW/kg

FILE NAME: ICOM-577Q HEAD SD-IC001 156.725MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW (0); Frequency: 156.725 MHz; Duty Cycle: 1:1
Medium parameters used: f = 156.725 MHz; σ = 0.799 S/m; ε_r = 50.462; ρ = 1000 kg/m^3; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

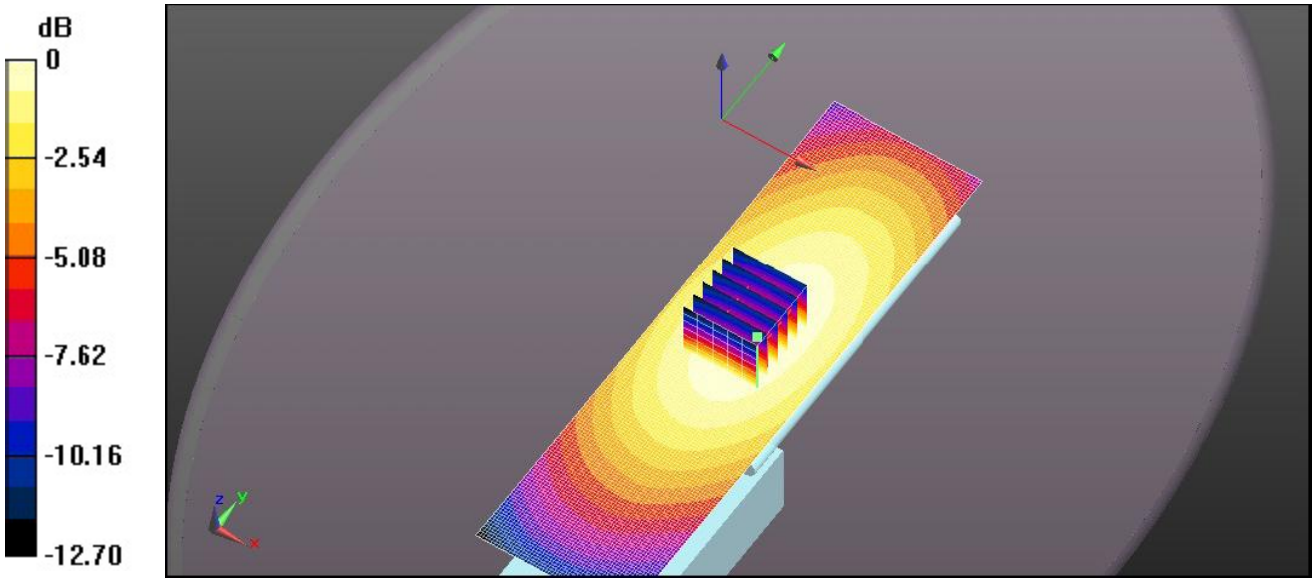
- Probe: ES3DV3 - SN3208; ConvF(7.51, 7.51, 7.51); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Zoom Scan (7.5x7.5x5) (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 36.95 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.741 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.23 W/kg = 0.91 dBW/kg

FILE NAME: ICOM-577Q HEAD SD-IC001 157.425MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW (0); Frequency: 157.425 MHz; Duty Cycle: 1:1
Medium parameters used: f = 158 MHz; σ = 0.801 S/m; ε_r = 50.534; ρ = 1000 kg/m^3; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

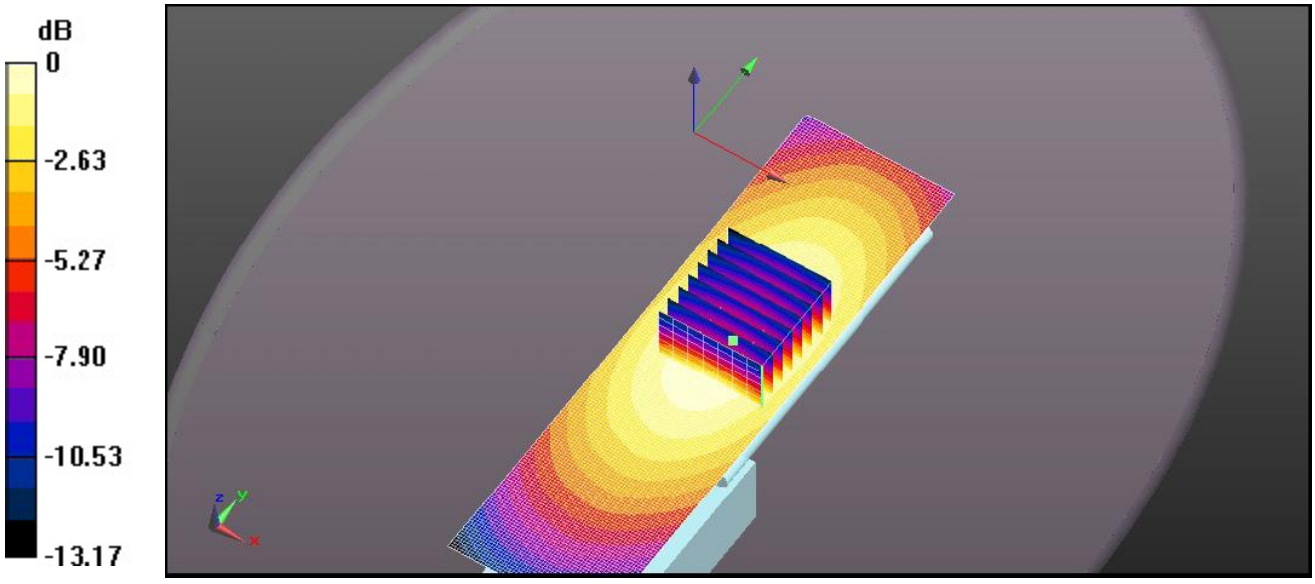
- Probe: ES3DV3 - SN3208; ConvF(7.51, 7.51, 7.51); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.50 W/kg

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Zoom Scan (7.5x7.5x5) (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.62 V/m; Power Drift = -0.84 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.810 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.50 W/kg = 1.76 dBW/kg

EXHIBIT 2. **BODY SAR MEASUREMENTS**

Body SAR Measurements Summary

Antenna	Power (W)	CH	CH. Freq (MHz)	Body SAR1g (W/Kg) MB-133 & HM-213 BP-282	Body SAR10g (W/Kg) MB-133 & HM-213 BP-282	Power Drift (dB)
FA-SC59V	4.66	1	156.05	1.23	0.913	-0.27
	4.68	74	156.725	1.21	0.896	-0.4
	4.63	88	157.425	1.28	0.943	-0.49
SD-IC001	4.66	1	156.05	1.53	1.13	-0.4
	4.68	74	156.725	1.61	1.19	-0.45
	4.63	88	157.425	1.64	1.22	-0.32

FILE NAME: ICOM-577Q BODY FA-SC59V 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW; Frequency: 156.05 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 156.05 MHz; σ = 0.811 S/m; ε_r = 61.814; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

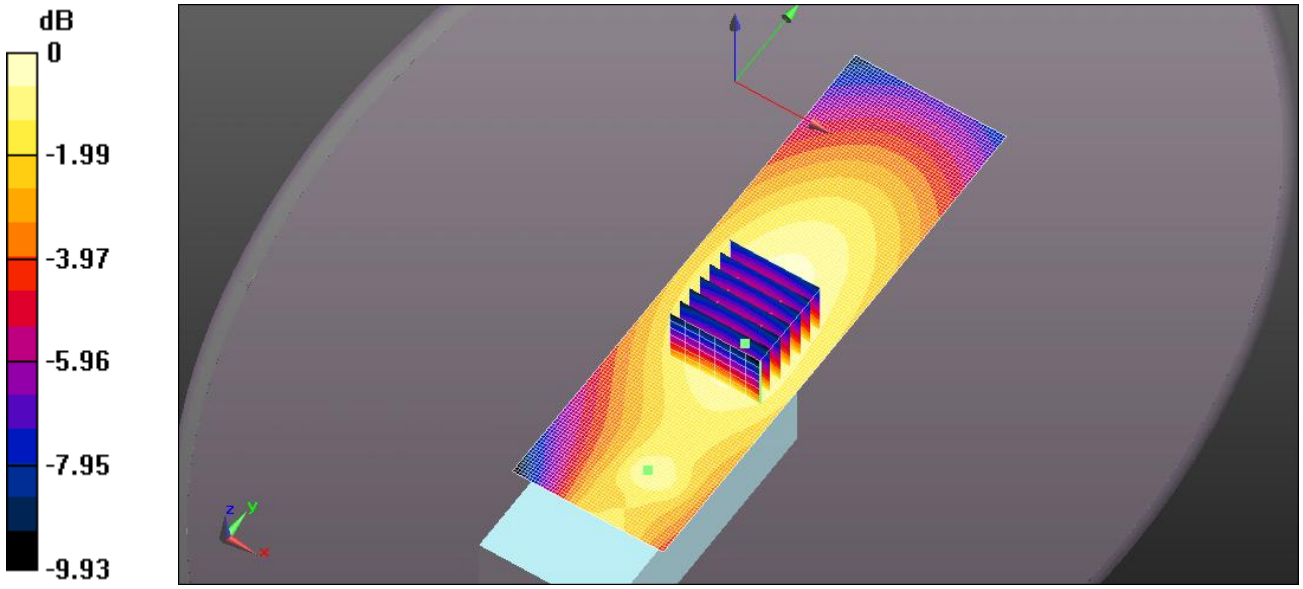
- Probe: ES3DV3 - SN3208; ConvF(7.36, 7.36, 7.36); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.38 W/kg

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Zoom Scan (7.5x7.5x5) (6x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 40.38 V/m; Power Drift = -0.27 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.913 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.38 W/kg = 1.41 dBW/kg

FILE NAME: ICOM-577Q BODY FA-SC59V 156.725MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW; Frequency: 156.725 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 156.725 MHz; σ = 0.811 S/m; ε_r = 61.955; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

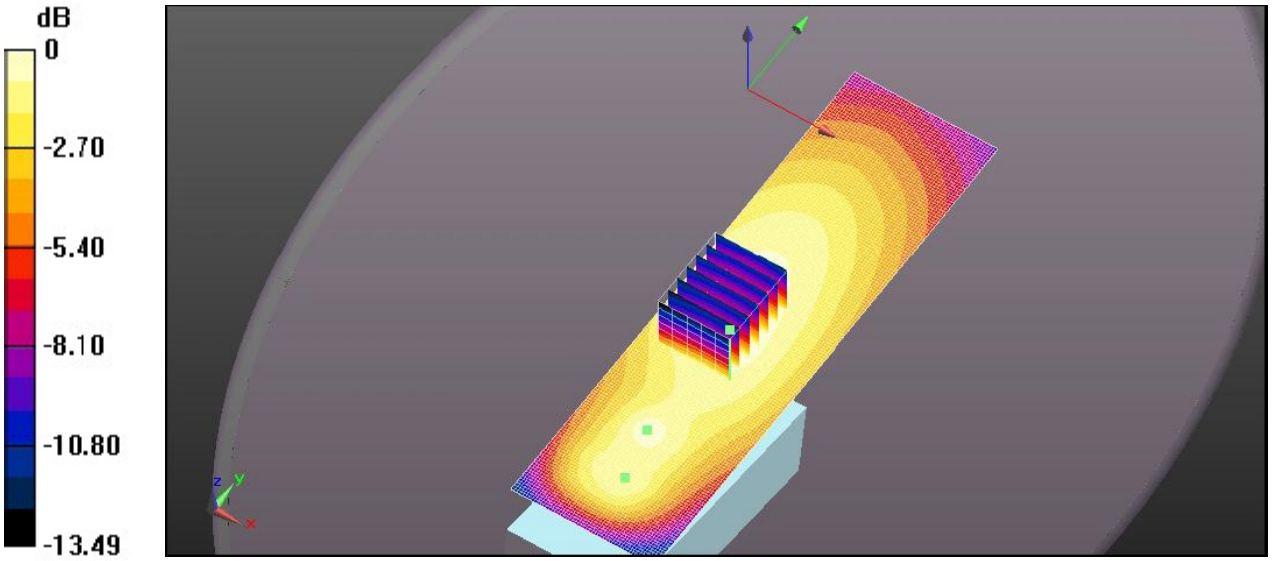
- Probe: ES3DV3 - SN3208; ConvF(7.36, 7.36, 7.36); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.42 W/kg

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Zoom Scan (7.5x7.5x5) (6x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 41.07 V/m; Power Drift = -0.40 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.896 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.36 W/kg



0 dB = 1.42 W/kg = 1.51 dBW/kg

FILE NAME: ICOM-577Q BODY FA-SC59V 157.425MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW; Frequency: 157.425 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 158 MHz; σ = 0.811 S/m; ε_r = 62.219; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

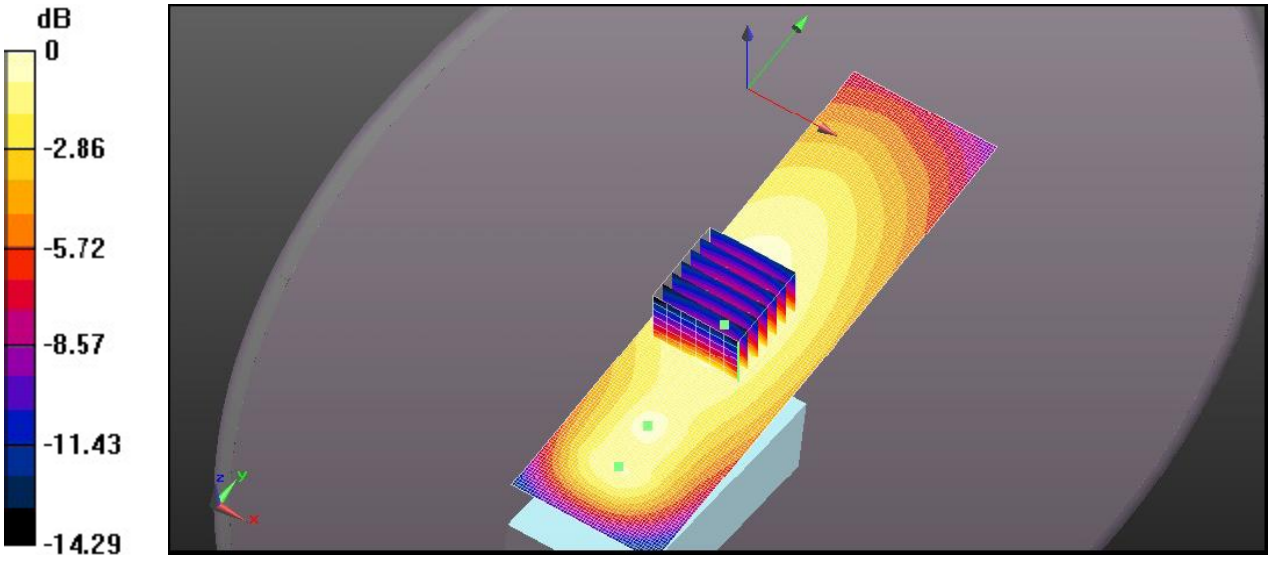
- Probe: ES3DV3 - SN3208; ConvF(7.36, 7.36, 7.36); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.35 W/kg

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Zoom Scan (7.5x7.5x5) (6x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 42.06 V/m; Power Drift = -0.49 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.943 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.35 W/kg = 1.29 dBW/kg

FILE NAME: ICOM-577Q BODY SD-IC001 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW; Frequency: 156.05 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 156.05 MHz; σ = 0.811 S/m; ε_r = 61.814; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

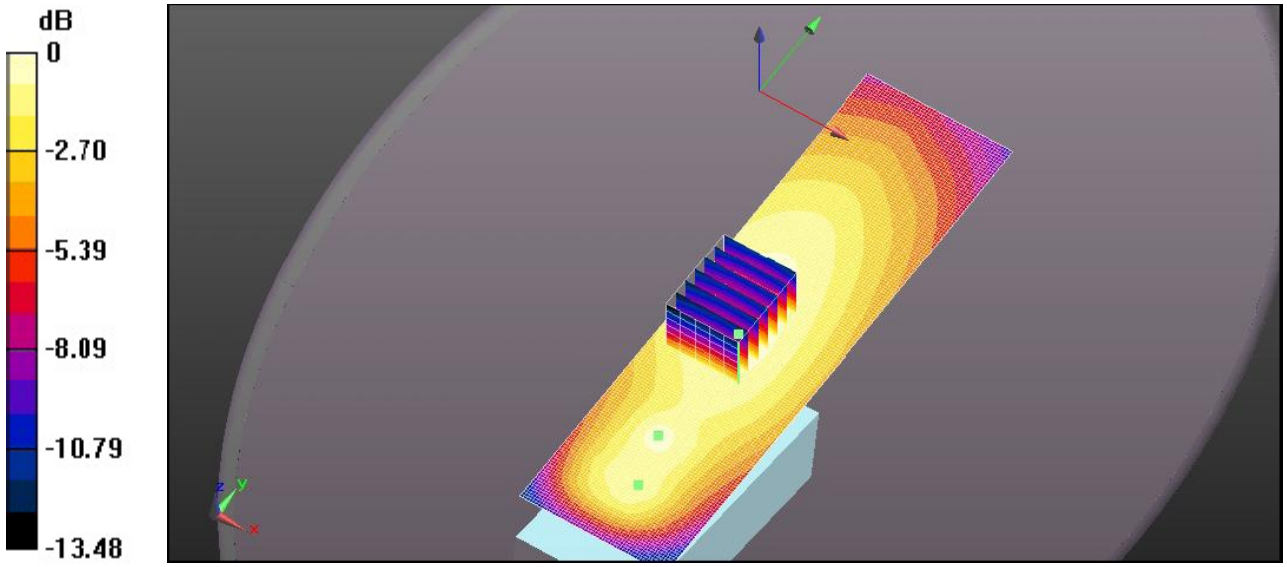
- Probe: ES3DV3 - SN3208; ConvF(7.36, 7.36, 7.36); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.78 W/kg

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Zoom Scan (7.5x7.5x5) (6x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 45.04 V/m; Power Drift = -0.40 dB
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 1.53 W/kg; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.72 W/kg



0 dB = 1.78 W/kg = 2.50 dBW/kg

FILE NAME: ICOM-577Q BODY SD-IC001 156.725MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW; Frequency: 156.725 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 156.725 MHz; σ = 0.811 S/m; ε_r = 61.955; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

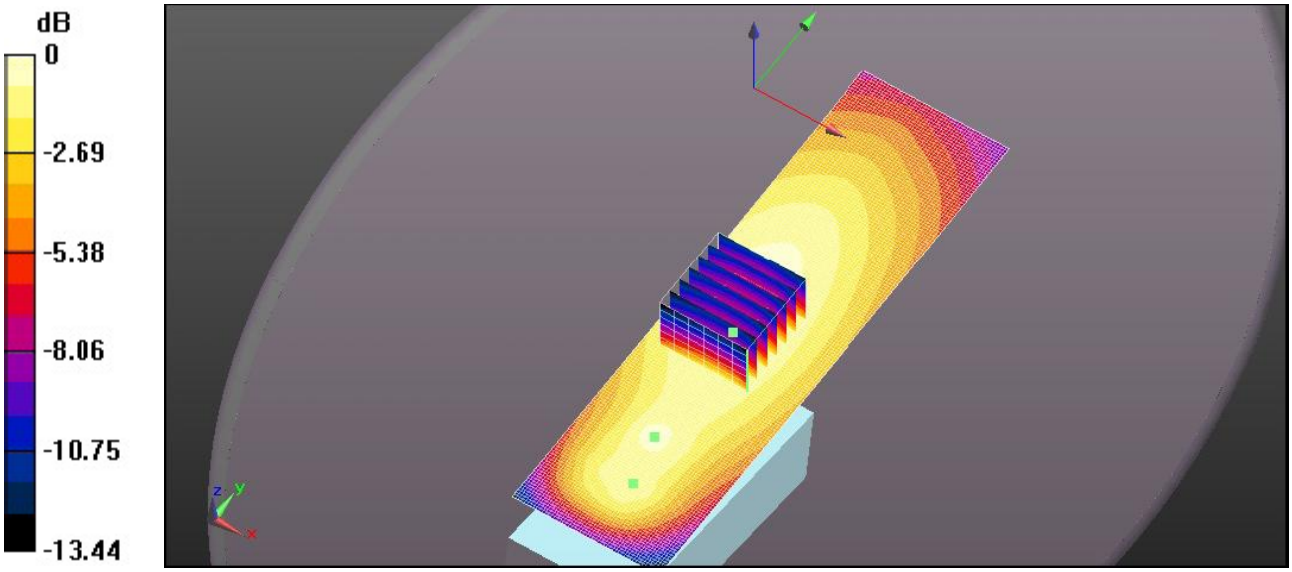
- Probe: ES3DV3 - SN3208; ConvF(7.36, 7.36, 7.36); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.76 W/kg

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Zoom Scan (7.5x7.5x5) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 46.55 V/m; Power Drift = -0.45 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 1.61 W/kg; SAR(10 g) = 1.19 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.83 W/kg



0 dB = 1.76 W/kg = 2.47 dBW/kg

FILE NAME: ICOM-577Q BODY SD-IC001 157.425MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 81001971

Communication System: UID 0, CW; Frequency: 157.425 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 158 MHz; σ = 0.811 S/m; ε_r = 62.219; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

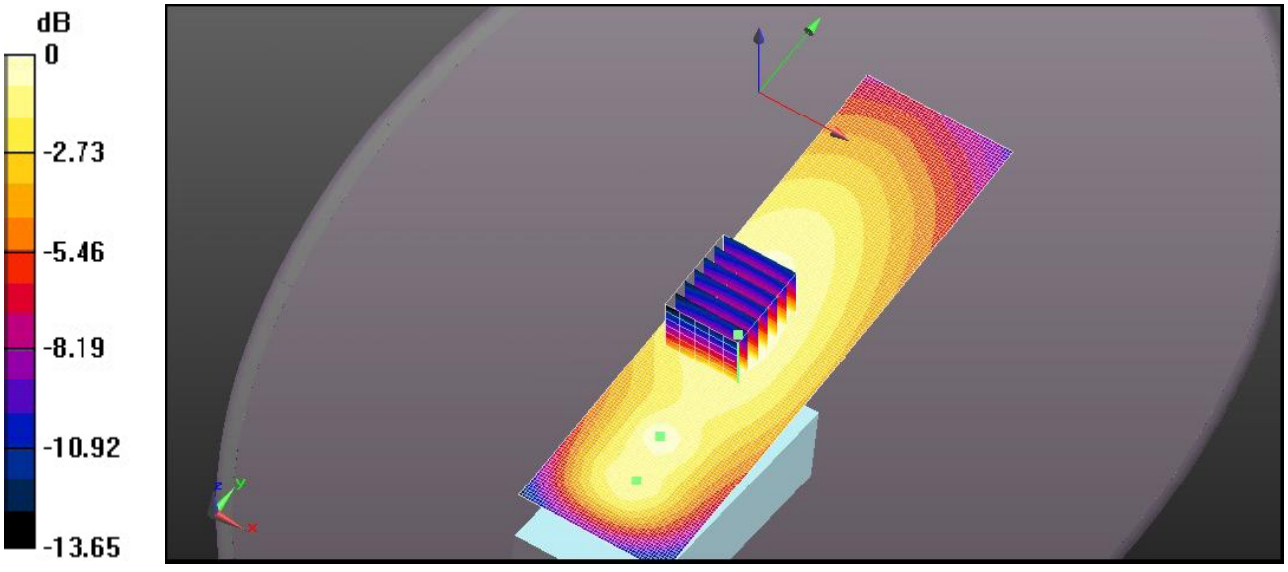
- Probe: ES3DV3 - SN3208; ConvF(7.36, 7.36, 7.36); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Area Scan (51x181x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.84 W/kg

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Zoom Scan (7.5x7.5x5) (7x7x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 47.09 V/m; Power Drift = -0.32 dB
Peak SAR (extrapolated) = 2.50 W/kg
SAR(1 g) = 1.64 W/kg; SAR(10 g) = 1.22 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.85 W/kg



0 dB = 1.84 W/kg = 2.64 dBW/kg