APPENDIX 1

SAR Measurement Data

Contents

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	1.21	0.926	-1.19
	4.68	74	156.725	1.54	1.12	-0.88
	4.63	88	157.425	1.76	1.18	-0.64
SD-IC001	4.66	1	156.05	1.98	1.51	-0.96
	4.68	74	156.725	1.56	1.12	-0.55
	4.63	88	157.425	1.6	1.09	-1.03

FILE NAME: ICOM-622Q HEAD FA-SC59V 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW (0); Frequency: 156.05 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 156.05 MHz; σ = 0.742 S/m; ε_r = 53.379; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

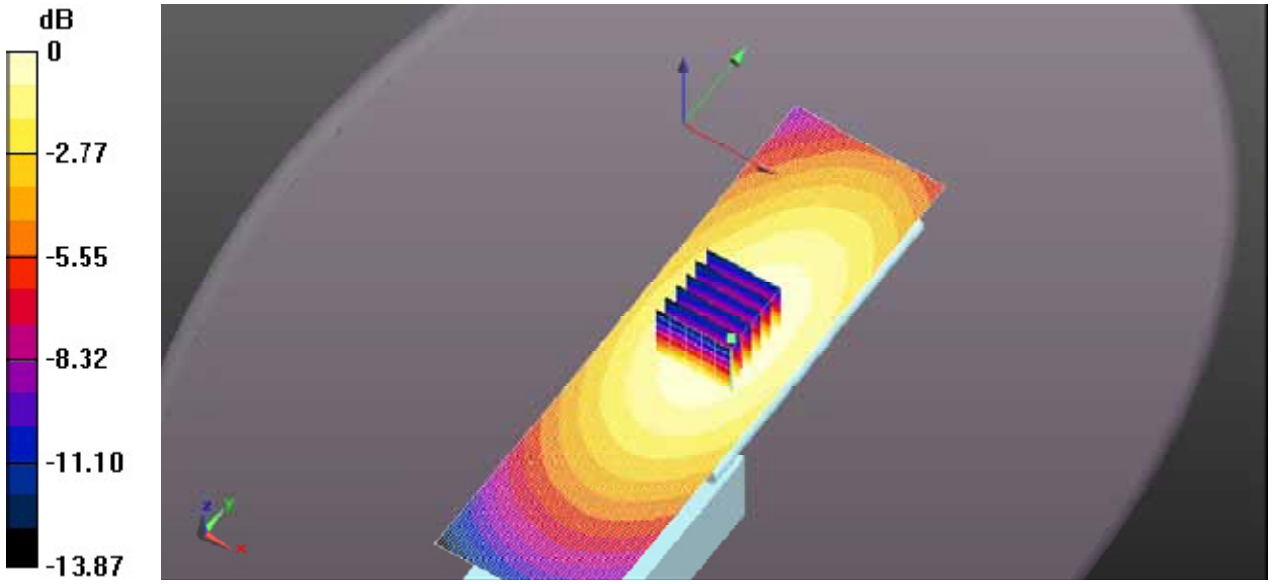
- Probe: EX3DV4 - SN3673; ConvF(10.73, 10.73, 10.73); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 1.47 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 = 44.80 V/m; Power Drift = -1.19 dB
Peak SAR (extrapolated) = 1.58 W/kg
SAR(1 g) = 1.210 W/kg; SAR(10 g) = 0.926 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.47 W/kg = 1.67 dBW/kg

FILE NAME: ICOM-622Q HEAD FA-SC59V 156.725MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW (0); Frequency: 156.725 MHz; Duty Cycle: 1:1
Medium parameters used: f = 156.725 MHz; σ = 0.743 S/m; ε_r = 53.455; ρ = 1000 kg/m^3; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

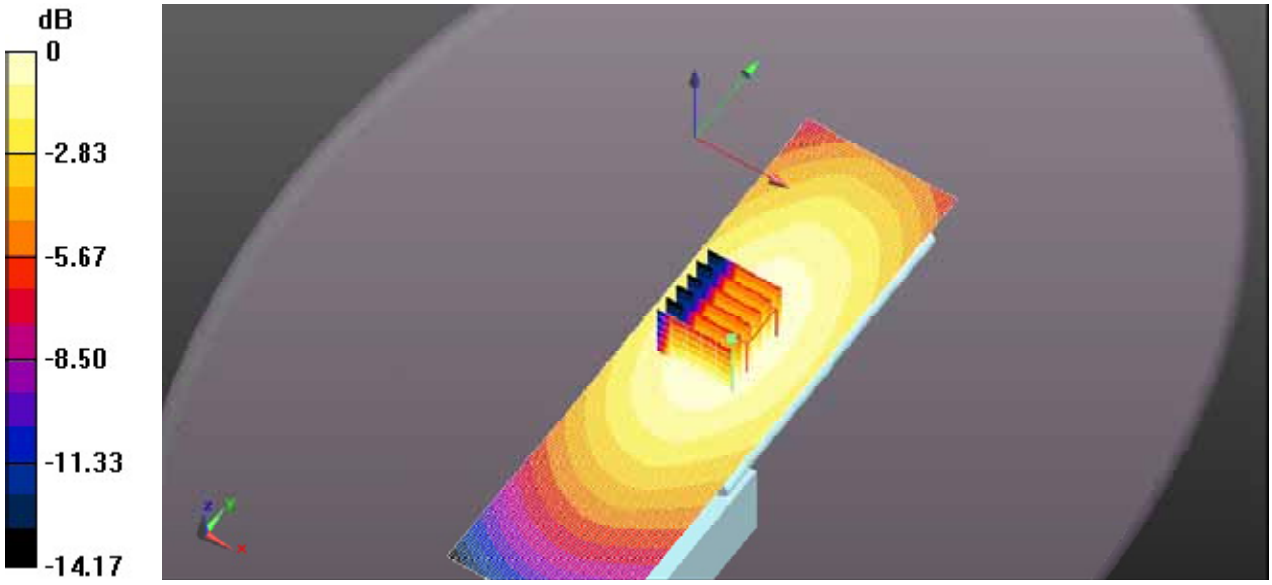
- Probe: EX3DV4 - SN3673; ConvF(10.73, 10.73, 10.73); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 1.67 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 = 48.77 V/m; Power Drift = -0.88 dB
Peak SAR (extrapolated) = 2.34 W/kg
SAR(1 g) = 1.540 W/kg; SAR(10 g) = 1.120 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.54 W/kg



0 dB = 1.67 W/kg = 2.22 dBW/kg

FILE NAME: ICOM-622Q HEAD FA-SC59V 157.425MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW (0); Frequency: 157.425 MHz; Duty Cycle: 1:1
Medium parameters used: f = 158 MHz; σ = 0.745 S/m; ε_r = 53.599; ρ = 1000 kg/m^3; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

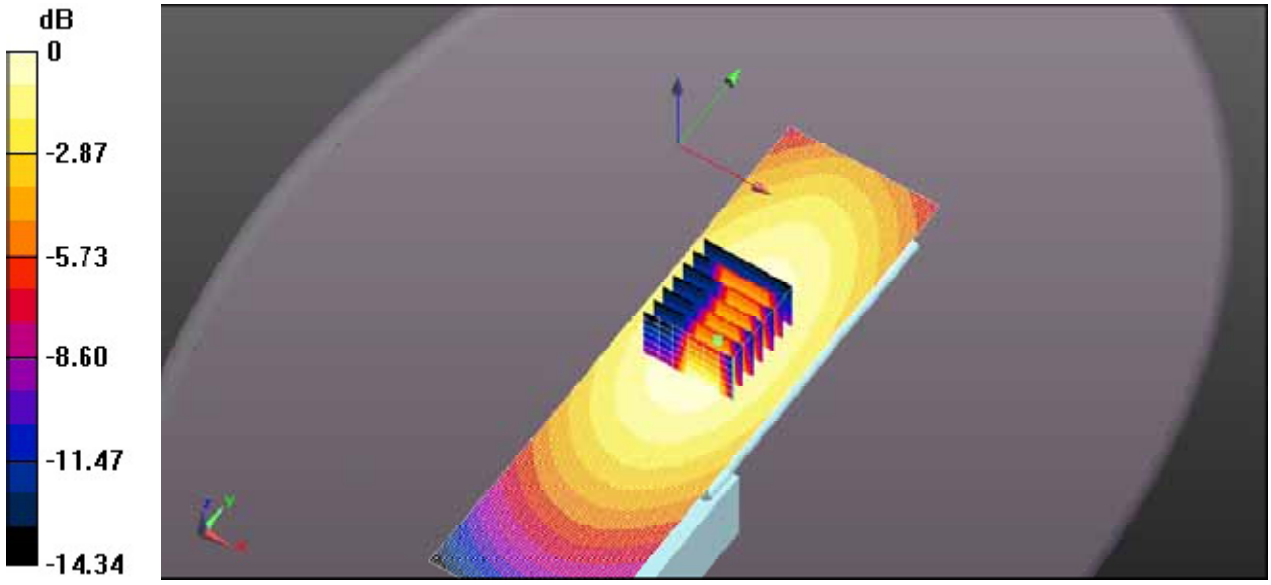
- Probe: EX3DV4 - SN3673; ConvF(10.73, 10.73, 10.73); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 1.79 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 = 48.65 V/m; Power Drift = -0.64 dB
Peak SAR (extrapolated) = 2.69 W/kg
SAR(1 g) = 1.760 W/kg; SAR(10 g) = 1.180 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.66 W/kg



0 dB = 1.79 W/kg = 2.54 dBW/kg

FILE NAME: ICOM-622Q HEAD SD-IC001 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW (0); Frequency: 156.050 MHz; Duty Cycle: 1:1
Medium parameters used: f = 156.05 MHz; σ = 0.742 S/m; ε_r = 53.379; ρ = 1000 kg/m^3; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

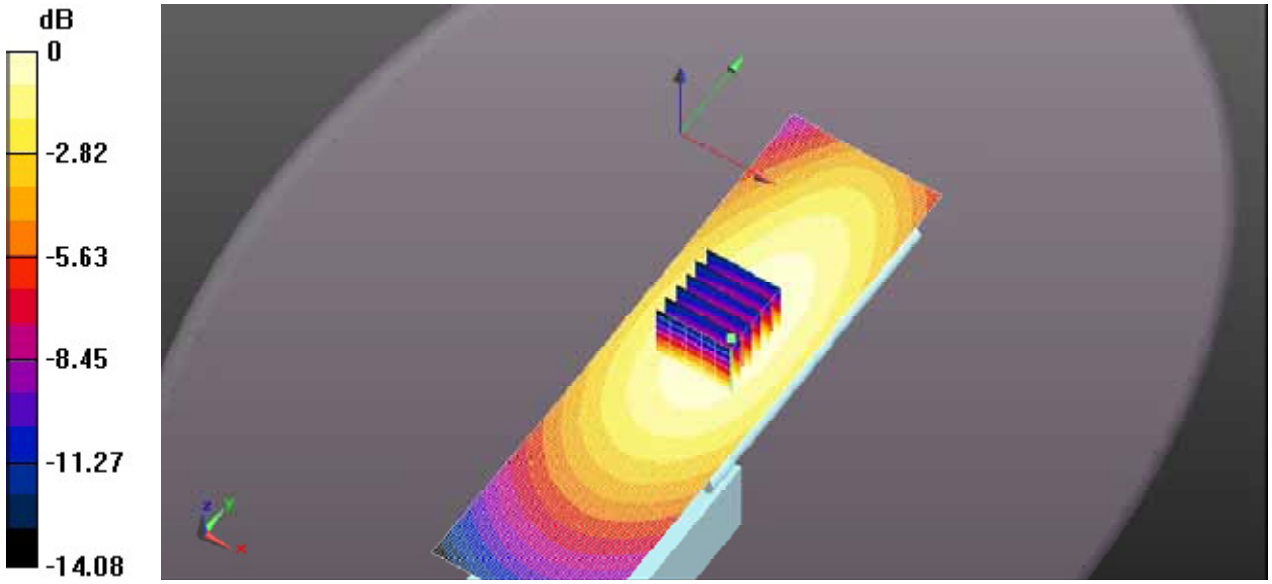
- Probe: EX3DV4 - SN3673; ConvF(10.73, 10.73, 10.73); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 2.40 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 = 56.04 V/m; Power Drift = -0.96 dB
Peak SAR (extrapolated) = 2.61 W/kg
SAR(1 g) = 1.980 W/kg; SAR(10 g) = 1.51 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.18 W/kg



0 dB = 2.40 W/kg = 3.79 dBW/kg

FILE NAME: ICOM-622Q HEAD SD-IC001 156.725MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW (0); Frequency: 156.725 MHz; Duty Cycle: 1:1
Medium parameters used: f = 156.725 MHz; σ = 0.743 S/m; ε_r = 53.455; ρ = 1000 kg/m^3; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

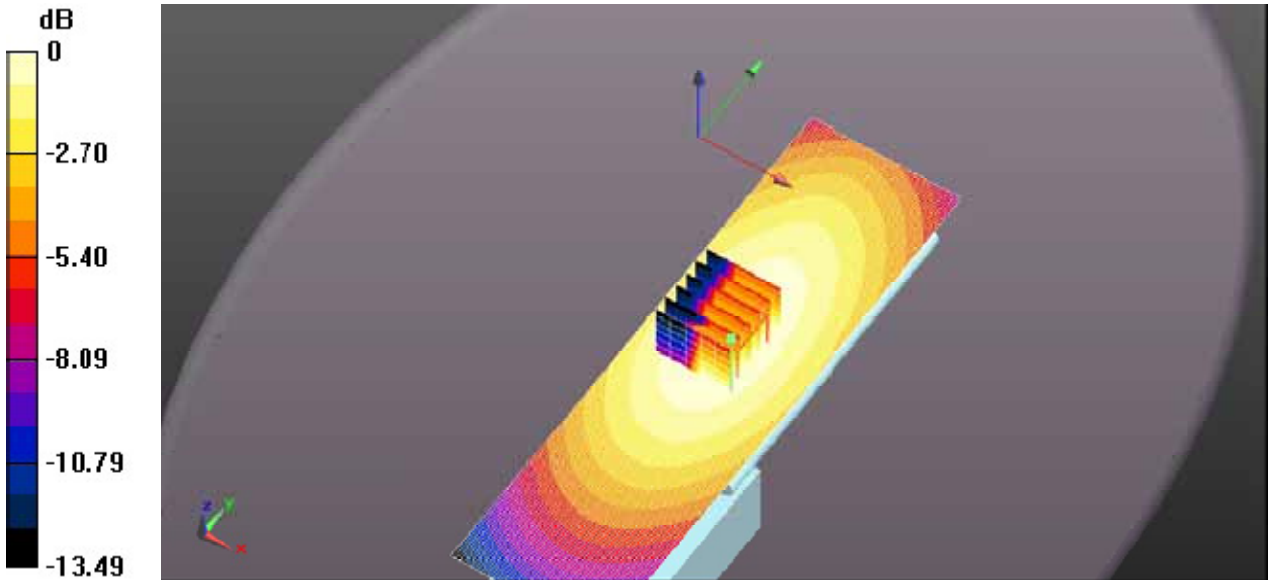
- Probe: EX3DV4 - SN3673; ConvF(10.73, 10.73, 10.73); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 1.65 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 = 47.04 V/m; Power Drift = -0.55 dB
Peak SAR (extrapolated) = 2.40 W/kg
SAR(1 g) = 1.56 W/kg; SAR(10 g) = 1.12 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.65 W/kg = 2.18 dBW/kg

FILE NAME: ICOM-622Q HEAD SD-IC001 157.425MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW (0); Frequency: 157.425 MHz; Duty Cycle: 1:1
Medium parameters used: f = 158 MHz; σ = 0.745 S/m; ε_r = 53.599; ρ = 1000 kg/m^3; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

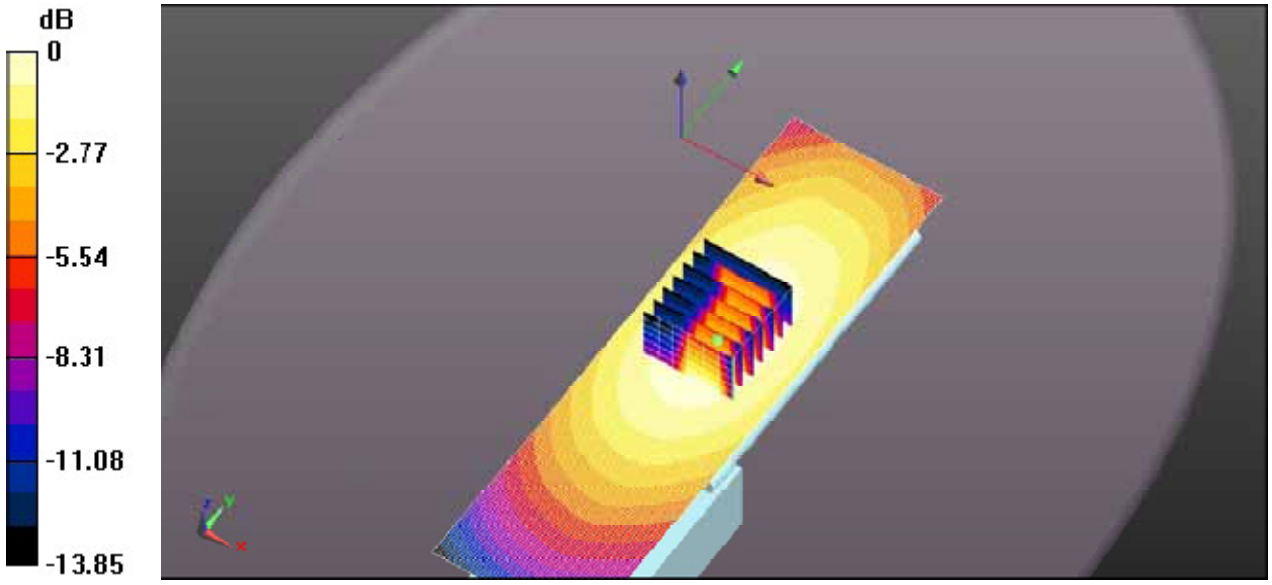
- Probe: EX3DV4 - SN3208; ConvF(10.73, 10.73, 10.73); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 1.68 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 = 49.16 V/m; Power Drift = -1.03 dB
Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 1.6 W/kg; SAR(10 g) = 1.09 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.68 W/kg = 2.26 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	0.692	0.527	-0.81
	4.68	74	156.725	0.688	0.527	-0.29
	4.63	88	157.425	0.53	0.407	-0.52
SD-IC001	4.66	1	156.05	0.719	0.523	-0.44
	4.68	74	156.725	0.971	0.686	-0.49
	4.63	88	157.425	0.591	0.45	-0.46

FILE NAME: ICOM-622Q BODY FA-SC59V 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW; Frequency: 156.05 MHz; Duty Cycle: 1:1
Medium parameters used: f = 156.05 MHz; σ = 0.81 S/m; ε_r = 59.56; ρ = 1000 kg/m^3 ; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

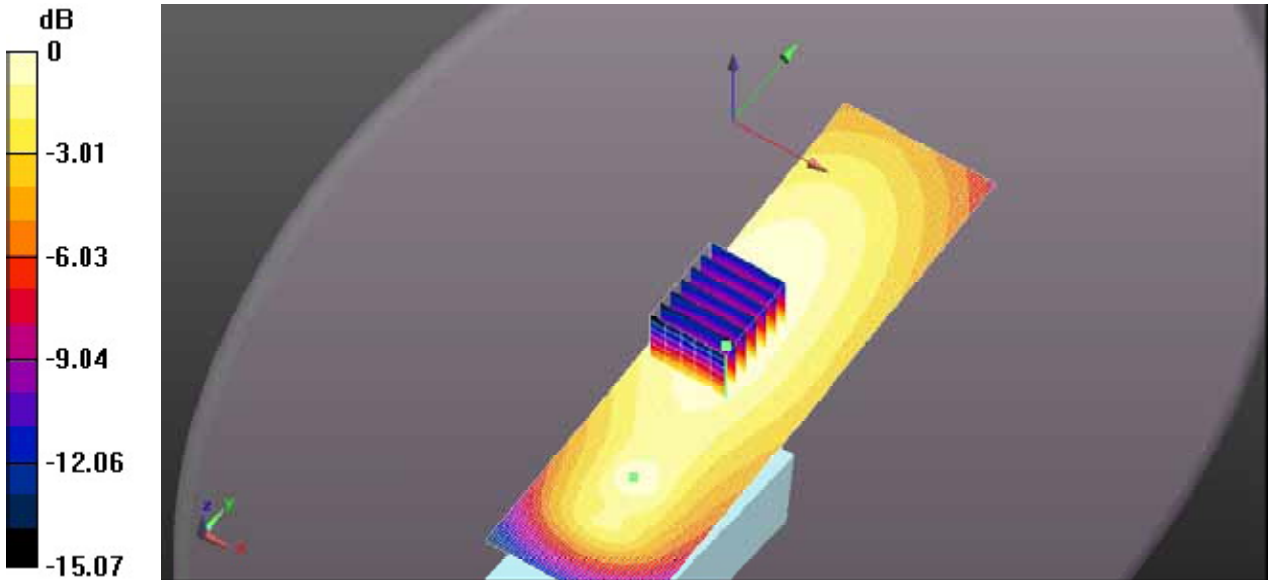
- Probe: ES3DV3 - SN3208; ConvF(7.4, 7.4, 7.4); Calibrated: 3/15/2024;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 0.808 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 = 33.29 V/m; Power Drift = -0.81 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.527 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.775 W/kg



0 dB = 0.808 W/kg = -0.92 dBW/kg

FILE NAME: ICOM-622Q BODY FA-SC59V 156.725MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW; Frequency: 156.725 MHz; Duty Cycle: 1:1
Medium parameters used: 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:

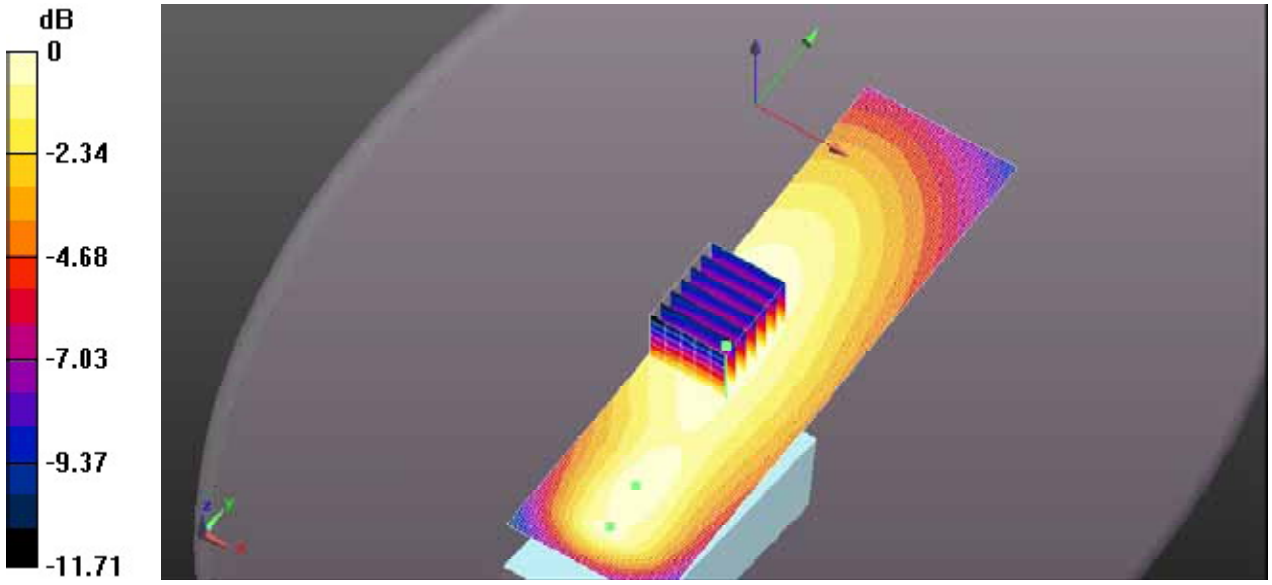
- Probe: ES3DV3 - SN3208; ConvF(7.4, 7.4, 7.4); Calibrated: 8/15/2024;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 0.827 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 = 31.28 V/m; Power Drift = -0.29 dB
Peak SAR (extrapolated) = 0.999 W/kg
SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.527 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.766 W/kg



0 dB = 0.827 W/kg = -0.82 dBW/kg

FILE NAME: ICOM-622Q BODY FA-SC59V 157.425MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW; Frequency: 157.425 MHz; Duty Cycle: 1:1
Medium parameters used: f = 158 MHz; σ = 0.811 S/m; ε_r = 59.496; ρ = 1000 kg/m^3 ; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

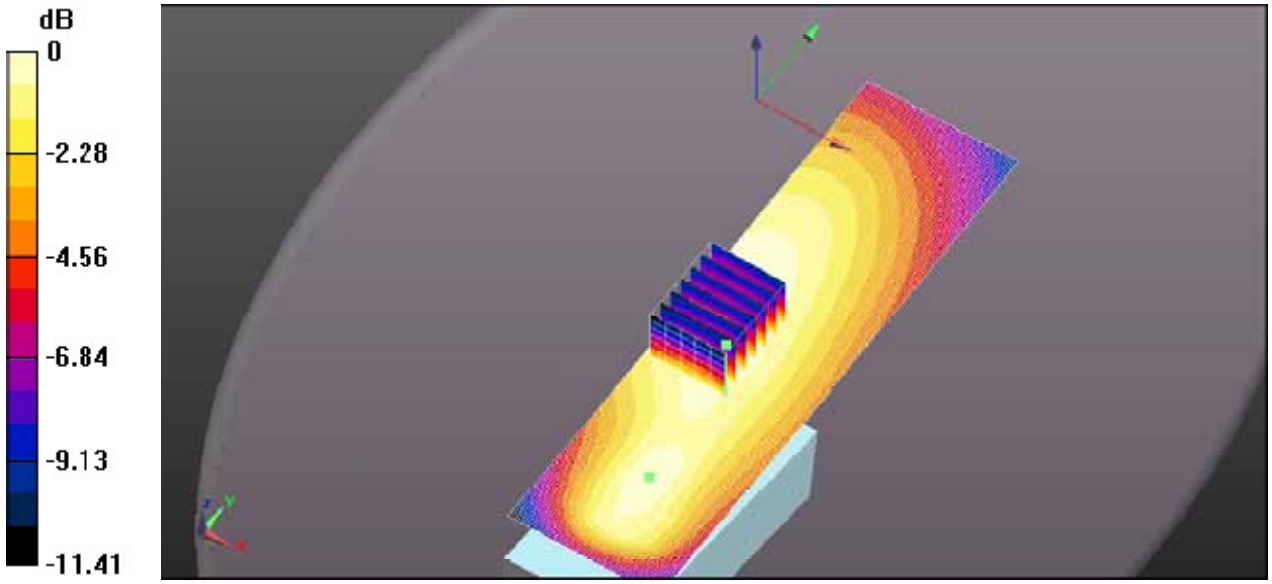
- Probe: ES3DV3 - SN3208; ConvF(7.4, 7.4, 7.4); Calibrated: 3/15/2024;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 0.601 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 = 24.27 V/m; Power Drift = -0.52 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 0.530 W/kg; SAR(10 g) = 0.407 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.590 W/kg



0 dB = 0.601 W/kg = -2.21 dBW/kg

FILE NAME: ICOM-622Q BODY SD-IC001 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW; Frequency: 156.05 MHz; Duty Cycle: 1:1
Medium parameters used: f = 156.05 MHz; σ = 0.81 S/m; ε_r = 59.56; ρ = 1000 kg/m^3 ; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

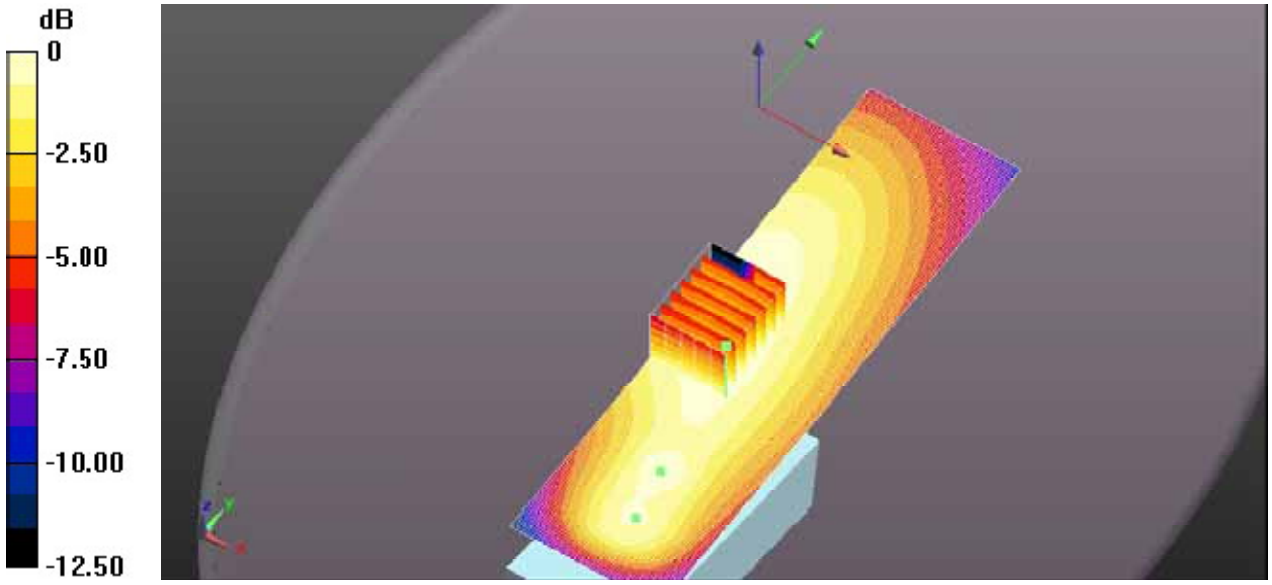
- Probe: ES3DV3 - SN3208; ConvF(7.4, 7.4, 7.4); Calibrated: 3/15/2024;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 0.773 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 = 30.34 V/m; Power Drift = -0.44 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.719 W/kg; SAR(10 g) = 0.523 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.759 W/kg



0 dB = 0.773 W/kg = -1.12 dBW/kg

FILE NAME: ICOM-622Q BODY SD-IC001 156.725MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW; Frequency: 156.725 MHz; Duty Cycle: 1:1
Medium parameters used: f = 156.725 MHz; σ = 0.81 S/m; ε_r = 59.538; ρ = 1000 kg/m^3 ; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

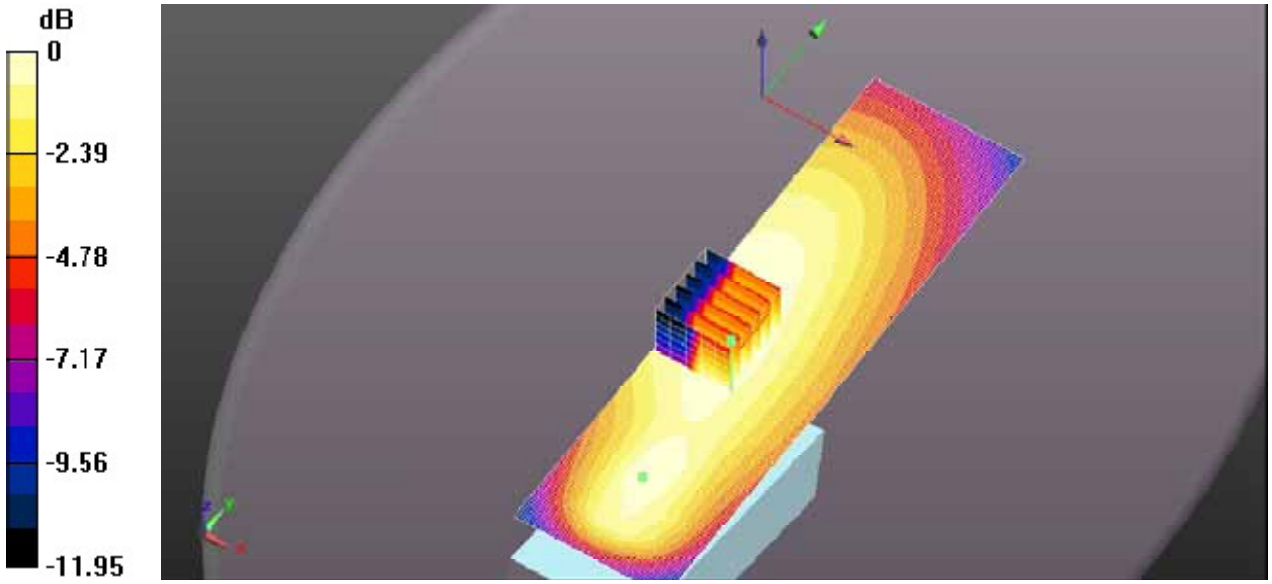
- Probe: ES3DV3 - SN3208; ConvF(7.36, 7.36, 7.36); Calibrated: 3/15/2024;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 1.01 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 = 34.80 V/m; Power Drift = -0.49 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.686 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.970 W/kg



0 dB = 1.01 W/kg = 0.06 dBW/kg

FILE NAME: ICOM-622Q BODY SD-IC001 157.425MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000201

Communication System: UID 0, CW; Frequency: 157.425 MHz; Duty Cycle: 1:1
Medium parameters used: f = 158 MHz; σ = 0.811 S/m; ε_r = 59.496; ρ = 1000 kg/m^3 ; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

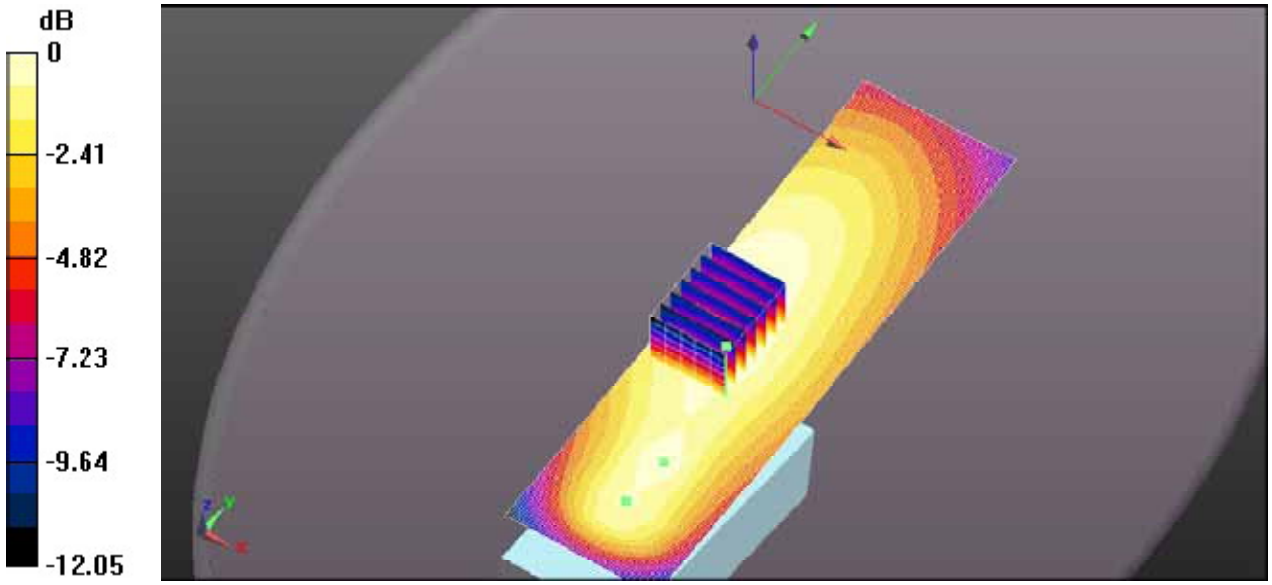
- Probe: ES3DV3 - SN3208; ConvF(7.4, 7.4, 7.4); Calibrated: 3/15/2025;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

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) = 0.679 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 = 29.08 V/m; Power Drift = -0.45 dB
Peak SAR (extrapolated) = 0.875 W/kg
SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.450 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.658 W/kg



0 dB = 0.679 W/kg = -1.68 dBW/kg