APPENDIX 1

SAR Measurement Data

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EXHIBIT 1.   **PRESCAN MEASUREMENT SUMMARY**

Body Prescan

Battery BP-294 & HM-222 Microphone	Antenna	Power (W)	C H	CH. Freq (MHz)	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift (dB)
Belt Clip MB-136	FA-SC58V	5.07	F 6	173.95	0.48	0.367	-0.7
Belt Clip MBB-3		5.07	F 6	173.95	0.579	0.413	0.06

Battery BP-294 & Belt clip MBB-3	Antenna	Power (W)	C H	CH. Freq (MHz)	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift (dB)
Microphone HM-222	FA-SC58V	5.07	F 6	173.95	0.579	0.413	0.06
Microphone HM-236		5.07	F 6	173.95	0.725	0.508	-0.6

FILE NAME: ICOM-552Q IC-M85 BODY PRESCAN BP-294 FA-SC58V HM-222 & MBB-3 173.950MHZ.DA52:0

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 173.95 MHz; Duty Cycle: 1:1
Medium parameters used: f = 174 MHz; σ = 0.831 S/m; ε_r = 59.141; ρ = 1000 kg/m^3 ; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.52, 7.52, 7.52); Calibrated: 4/19/2021;
- 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-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.52 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.978 W/kg
SAR(1 g) = 0.579 W/kg; SAR(10 g) = 0.413 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.667 W/kg

Configuration_Body_IC-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.663 W/kg
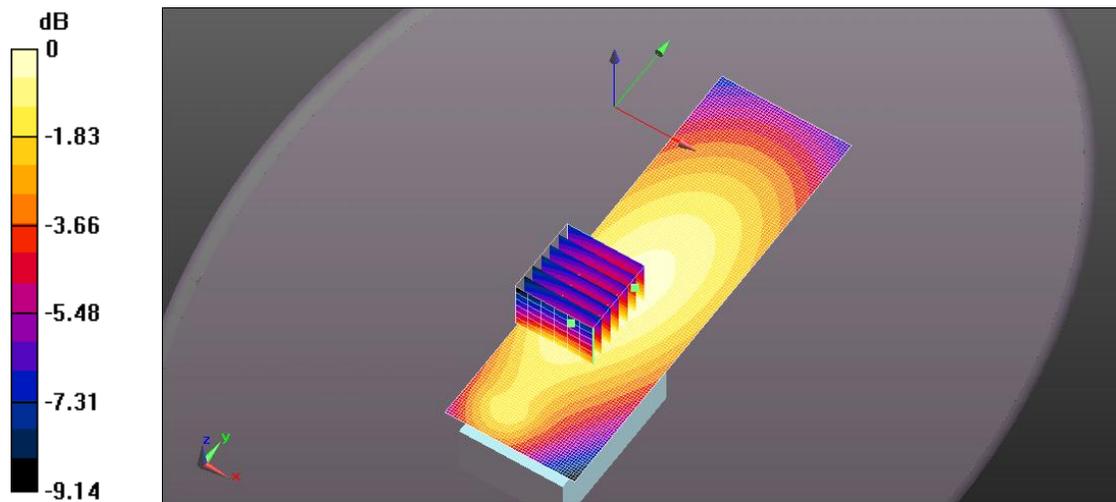
0 dB = 0.667 W/kg = -1.76 dBW/kg

FILE NAME: ICOM-552Q IC-M85 BODY PRESCAN BP-294 FA-SC58V HM-222 & MB-136

173.950MHZ.DA52:0

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 173.95 MHz; Duty Cycle: 1:1
Medium parameters used: f = 174 MHz; σ = 0.831 S/m; ε_r = 59.141; ρ = 1000 kg/m^3 ; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.52, 7.52, 7.52); Calibrated: 4/19/2021;
- 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-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.29 V/m; Power Drift = -0.70 dB
Peak SAR (extrapolated) = 0.678 W/kg
SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.367 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.533 W/kg

Configuration_Body_IC-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.526 W/kg
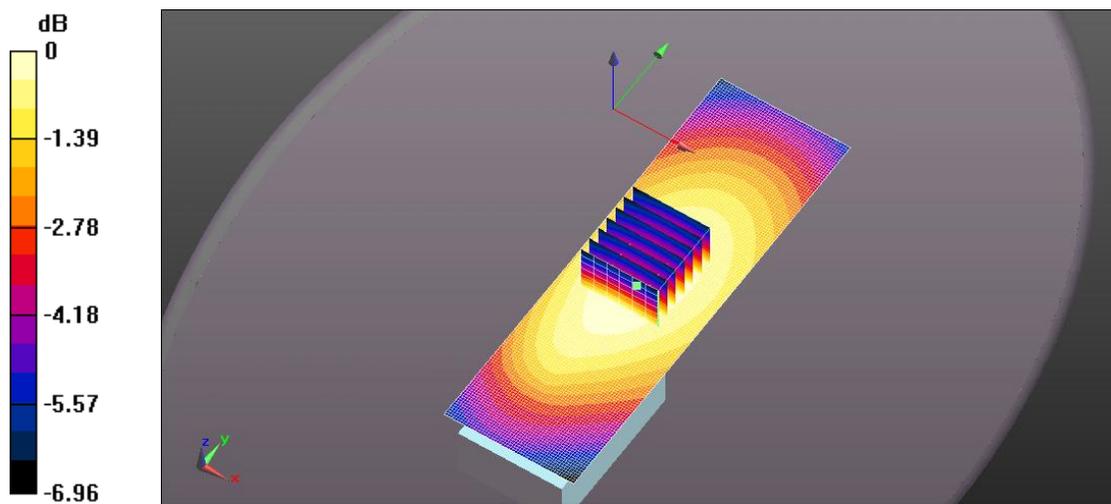
0 dB = 0.533 W/kg = -2.74 dBW/kg

FILE NAME: ICOM-552Q IC-M85 BODY PRESCAN BP-294 FA-SC58V HM-236 & MBB-3 173.950MHZ.DA52:0

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 173.95 MHz; Duty Cycle: 1:1
Medium parameters used: f = 174 MHz; σ = 0.831 S/m; ε_r = 59.141; ρ = 1000 kg/m^3 ; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.52, 7.52, 7.52); Calibrated: 4/19/2021;
- 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-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.28 V/m; Power Drift = -0.60 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.508 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.840 W/kg

Configuration_Body_IC-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.821 W/kg

0 dB = 0.840 W/kg = -0.76 dBW/kg

EXHIBIT 2.   **HEAD SAR MEASUREMENTS**

Antenna	Power (W)	CH	CH. Freq (MHz)	HEAD SAR1g (W/Kg) BP-294 3150mAh	HEAD SAR10g (W/Kg) BP-294 3150mAh	Power Drift (dB)
FA-SC58V	4.80	F4	136.050	0.194	0.145	-0.53
	4.88	F5	155.050	**	**	**
	4.89	1001	156.050	1.04	0.776	-0.91
	4.81	8	156.400	**	**	**
	4.82	1080	157.025	1.21	0.902	-0.84
	4.81	88	157.425	**	**	**
	5.07	F6	173.950	0.9	0.665	-0.47

** SAR Test Reduction Applied For PTT Radio

FILE NAME: ICOM-552Q IC-M85 HEAD BP-294 FA-SC58V 173.950MHZ.DA52:0

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 173.95 MHz; Duty Cycle: 1:1
Medium parameters used: f = 174 MHz; σ = 0.8 S/m; ε_r = 50.627; ρ = 1000 kg/m^3 ; Phantom section: Flat
Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.68, 7.68, 7.68); Calibrated: 4/19/2021;
- 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-M85/Head Front, P=5W,d=25mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm,
dz=5mm
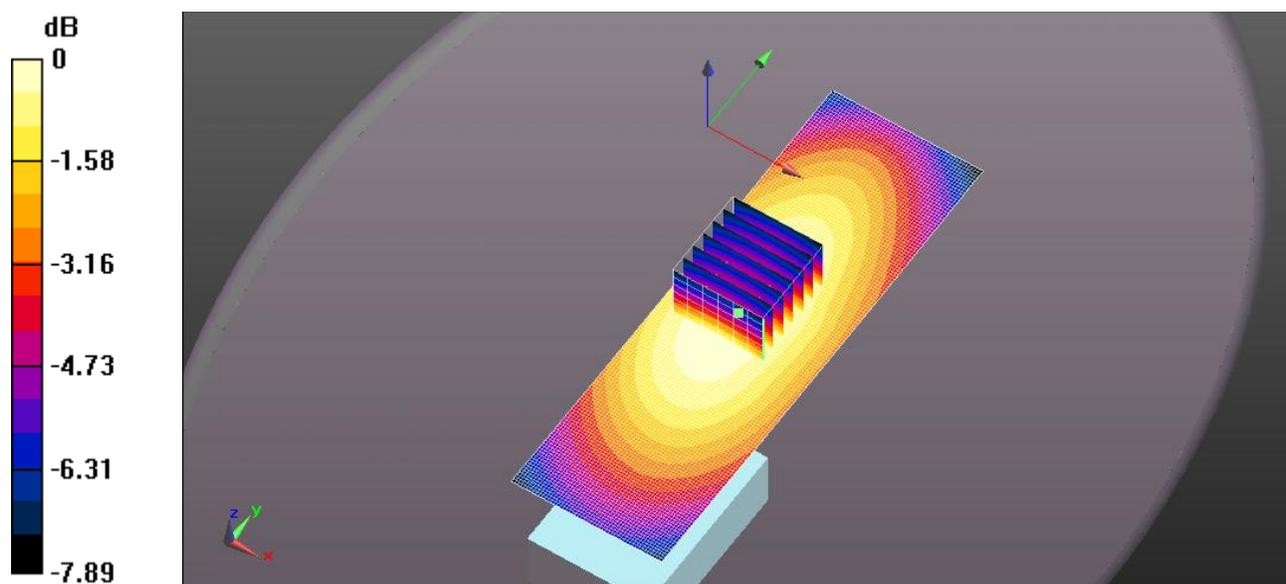Reference Value = 33.43 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.900 W/kg; SAR(10 g) = 0.665 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.01 W/kg

Configuration_Head_IC-M85/Head Front, P=5W,d=25mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.993 W/kg

0 dB = 1.01 W/kg = 0.05 dBW/kg

FILE NAME: ICOM-552Q IC-M85 HEAD BP-294 FA-SC58V 157.025MHZ..DA52:0

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 157.025 MHz; Duty Cycle: 1:1
Medium parameters used: f = 158 MHz; σ = 0.791 S/m; ε_r = 51.501; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.68, 7.68, 7.68); Calibrated: 4/19/2021;
- 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-M85/Head Front, P=5W,d=25mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
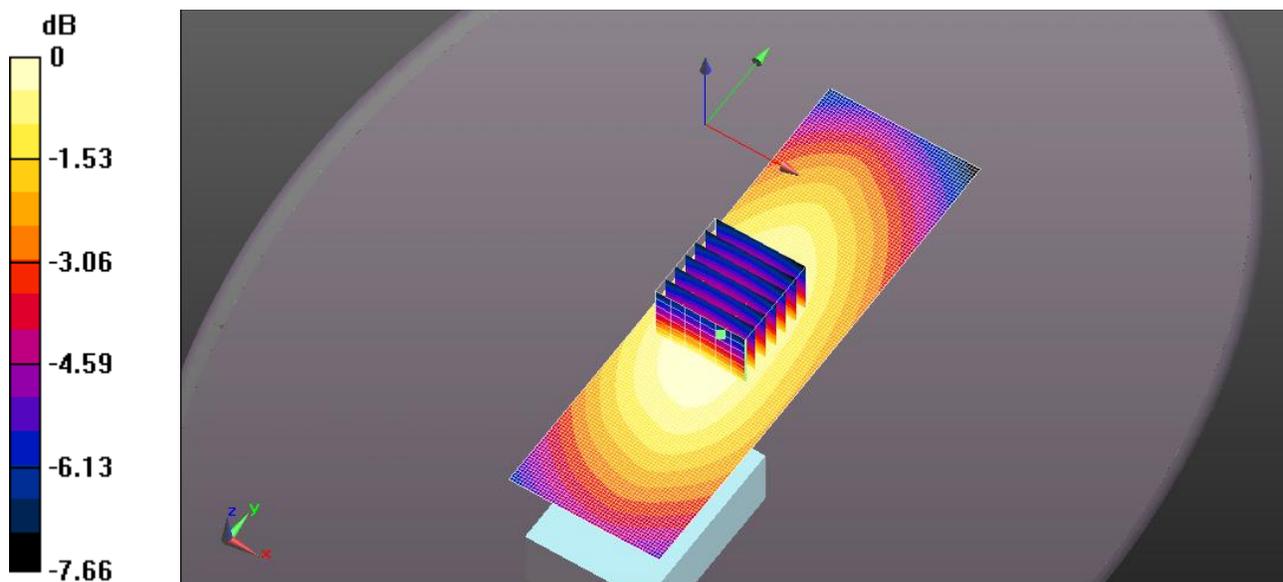Reference Value = 42.85 V/m; Power Drift = -0.84 dB
Peak SAR (extrapolated) = 1.78 W/kg
SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.902 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.35 W/kg

Configuration_Head_IC-M85/Head Front, P=5W,d=25mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.40 W/kg

0 dB = 1.35 W/kg = 1.31 dBW/kg

FILE NAME: ICOM-552Q IC-M85 HEAD BP-294 FA-SC58V 156.050MHZ.DA52:0

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 156.05 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 156.05 MHz; σ = 0.791 S/m; ε_r = 51.529; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.68, 7.68, 7.68); Calibrated: 4/19/2021;
- 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-M85/Head Front, P=5W,d=25mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
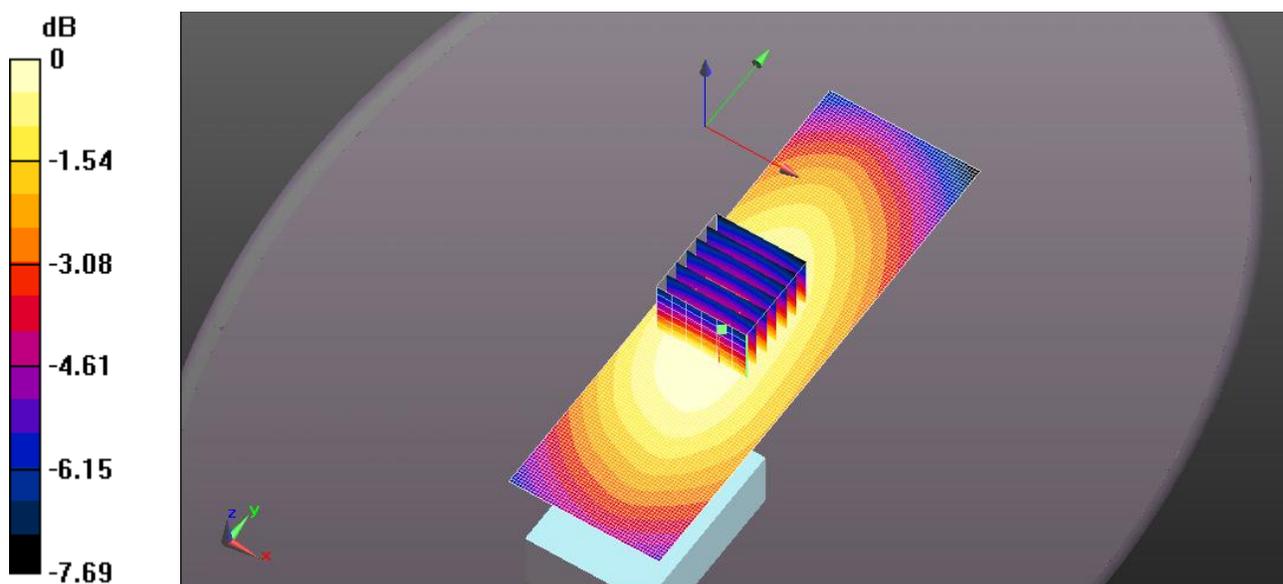Reference Value = 40.35 V/m; Power Drift = -0.91 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.776 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.17 W/kg

Configuration_Head_IC-M85/Head Front, P=5W,d=25mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

0 dB = 1.17 W/kg = 0.66 dBW/kg

FILE NAME: *ICOM-552Q IC-M85 HEAD BP-294 FA-SC58V 136.050MHZ.DA52:0*

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 136.05 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 136.05 MHz; σ = 0.777 S/m; ε_r = 52.566; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.68, 7.68, 7.68); Calibrated: 4/19/2021;
- 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-M85/Head Front, P=5W,d=25mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
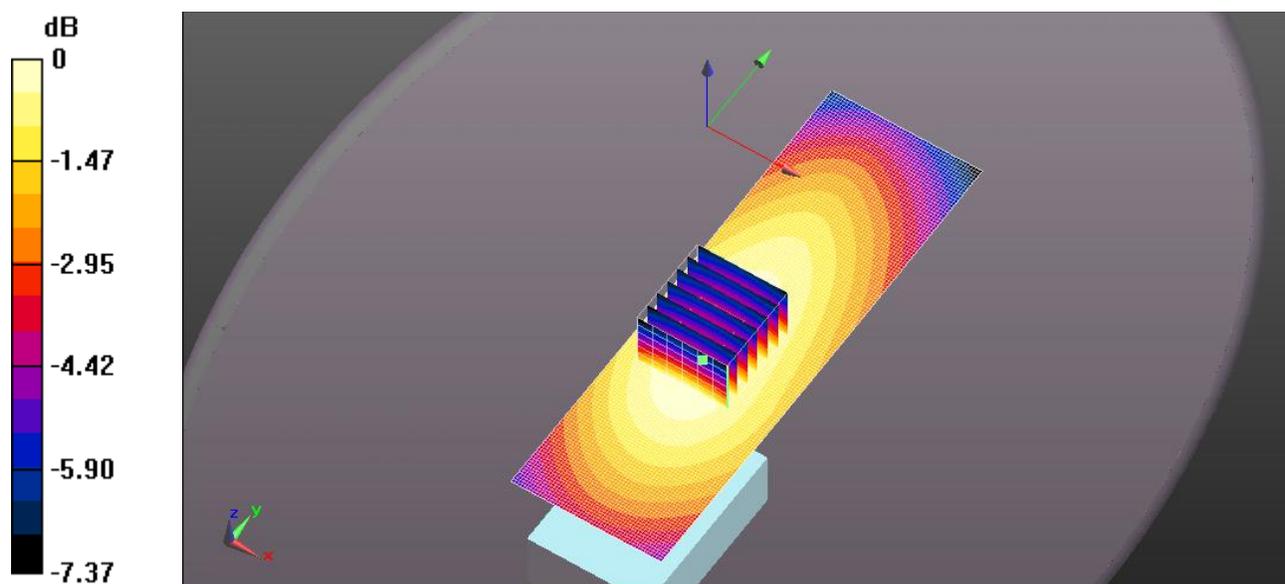Reference Value = 16.91 V/m; Power Drift = -0.53 dB
Peak SAR (extrapolated) = 0.285 W/kg
SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.145 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.217 W/kg

Configuration_Head_IC-M85/Head Front, P=5W,d=25mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.218 W/kg

0 dB = 0.217 W/kg = -6.63 dBW/kg

EXHIBIT 3.   BODY SAR MEASUREMENTS

Antenna	Power (W)	CH	CH. Freq (MHz)	Body SAR1g (W/Kg) BP-294,3150mAh MBB-3& HM-236	Body SAR10g (W/Kg) BP-294,3150mAh MBB-3& HM-236	Power Drift (dB)
FA-SC58V	4.80	F4	136.050	0.184	0.138	-0.68
	4.88	F5	155.050	**	**	**
	4.89	1001	156.050	0.855	0.555	-0.3
	4.81	8	156.400	**	**	**
	4.82	1080	157.025	0.968	0.633	-0.59
	4.81	88	157.425	**	**	**
	5.07	F6	173.950	0.725	0.508	-0.6

** SAR Test Reduction Applied For PTT Radio

FILE NAME: ICOM-552Q IC-M85 BODY BP-294 FA-SC58V HM-236 & MBB-3 173.950MHZ.DA52:0

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 173.95 MHz; Duty Cycle: 1:1
Medium parameters used: f = 174 MHz; σ = 0.831 S/m; ε_r = 59.141; ρ = 1000 kg/m^3 ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.52, 7.52, 7.52); Calibrated: 4/19/2021;
- 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-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
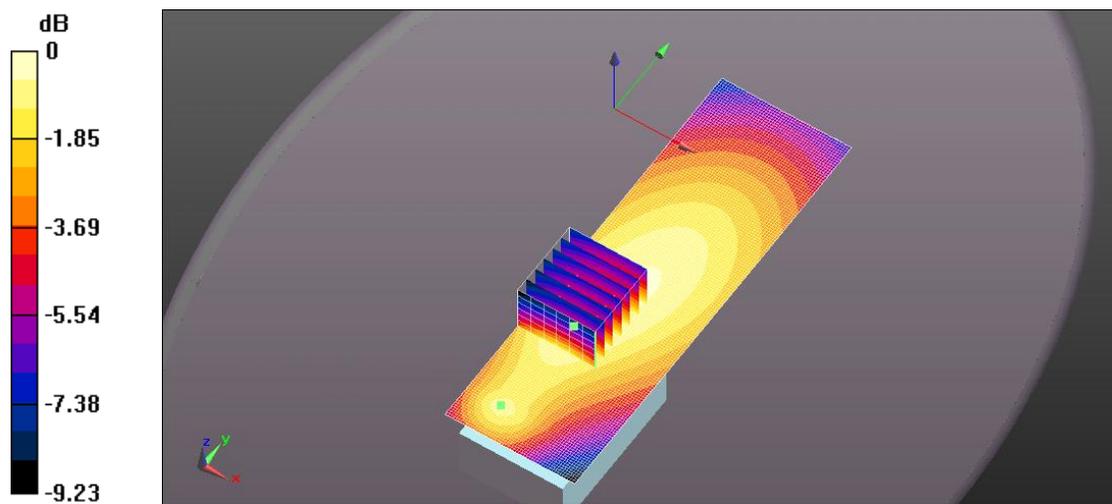Reference Value = 31.28 V/m; Power Drift = -0.60 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.508 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.840 W/kg

Configuration_Body_IC-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.821 W/kg

0 dB = 0.840 W/kg = -0.76 dBW/kg

FILE NAME: ICOM-552Q IC-M85 BODY BP-294 FA-SC58V HM-236 & MBB-3

157.025MHZ.DA52:0

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 157.025 MHz; Duty Cycle: 1:1
Medium parameters used: f = 158 MHz; σ = 0.82 S/m; ε_r = 59.999; ρ = 1000 kg/m^3 ; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.52, 7.52, 7.52); Calibrated: 4/19/2021;
- 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-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
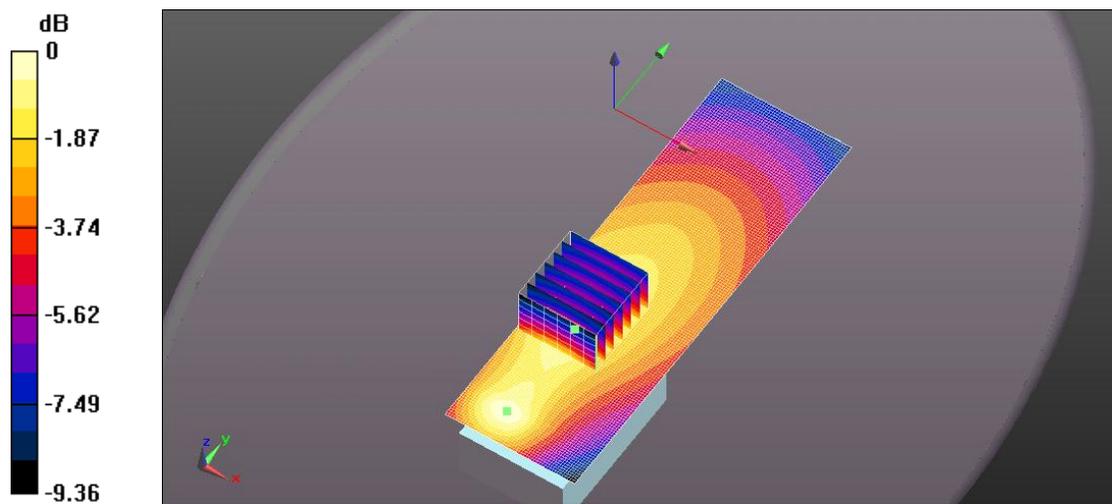Reference Value = 32.91 V/m; Power Drift = -0.59 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.633 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.14 W/kg

Configuration_Body_IC-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.08 W/kg

0 dB = 1.14 W/kg = 0.56 dBW/kg

FILE NAME: ICOM-552Q IC-M85 BODY BP-294 FA-SC58V HM-236 & MBB-3

156.050MHZ.DA52:0

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 156.05 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 156.05 MHz; σ = 0.82 S/m; ε_r = 60.071; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.52, 7.52, 7.52); Calibrated: 4/19/2021;
- 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-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
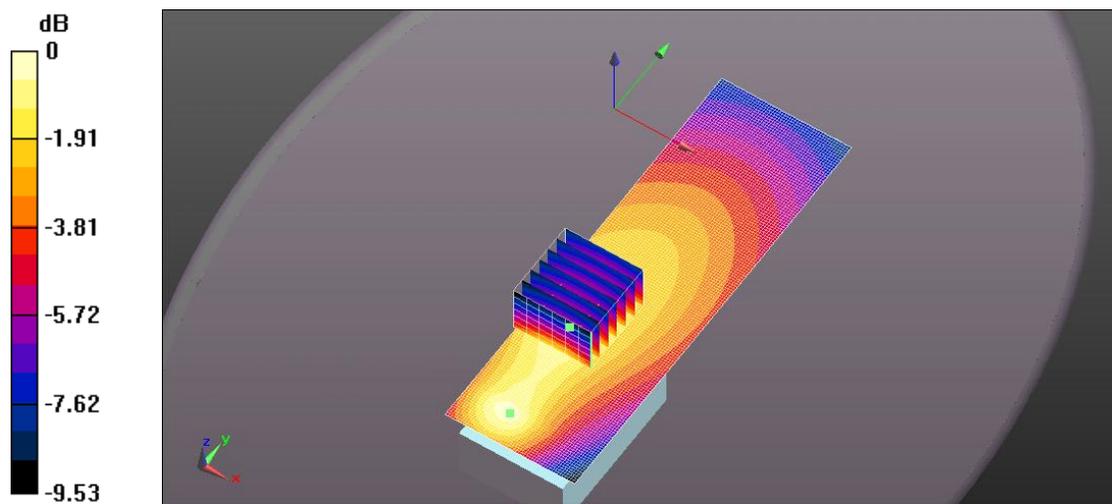Reference Value = 29.06 V/m; Power Drift = -0.30 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.555 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 1.02 W/kg

Configuration_Body_IC-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.956 W/kg

0 dB = 1.02 W/kg = 0.09 dBW/kg

FILE NAME: ICOM-552Q IC-M85 BODY BP-294 FA-SC58V HM-236 & MBB-3

136.050MHZ.DA52:0

DUT: ICOM IC-M85; Type: VHF Marine Transceiver; Serial: 00000304

Communication System: UID 10000, CW; Frequency: 136.05 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 136.05 MHz; σ = 0.811 S/m; ε_r = 60.966; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.52, 7.52, 7.52); Calibrated: 4/19/2021;
- 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-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Zoom Scan (7x7x7) (8x8x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
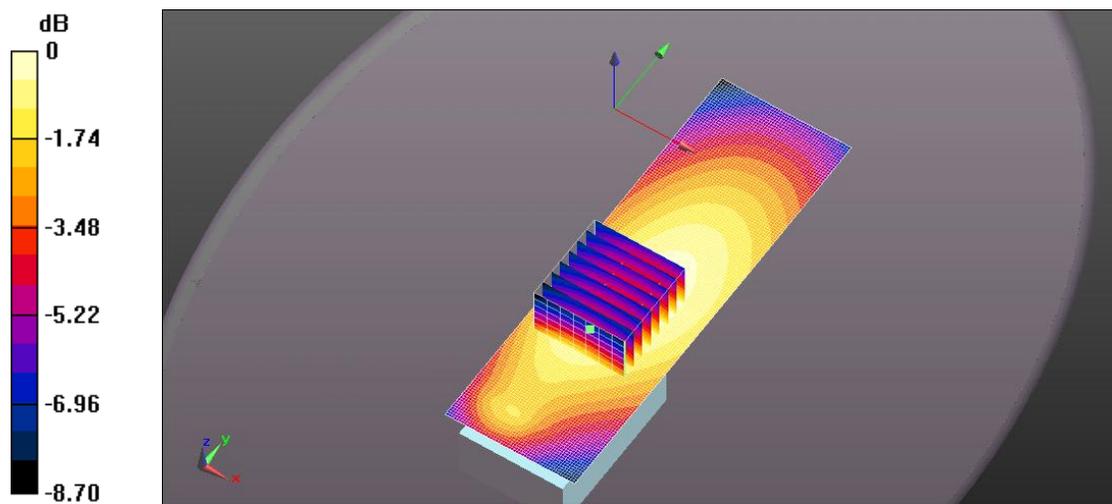Reference Value = 17.17 V/m; Power Drift = -0.68 dB
Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.138 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 0.207 W/kg

Configuration_Body_IC-M85/Body Back, P=5W,d=0mm,(SAR corrected for target medium)/Area Scan (51x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.209 W/kg

0 dB = 0.207 W/kg = -6.85 dBW/kg