

APPENDIX 1

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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 (dB)
				BP-282	BP-282	
			(MHz)	1500mAh	1500mAh	
FA-SC59V	4.82	1	156.05	1.53	1.14	-0.48
	4.80	74	156.725	**	**	**
	4.77	88	157.425	1.45	1.08	-0.75

** SAR Test Reduction Applied For PTT Radio

FILE NAME: ICOM-540Q HEAD FA-SC59V 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000204

Communication System: UID 0, CW (0); Frequency: 156.05 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 156.05$ MHz; $\sigma = 0.801$ S/m; $\epsilon_r = 53.138$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.65, 7.65, 7.65); Calibrated: 3/20/2020;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/13/2020
- 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) = 1.71 W/kg

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

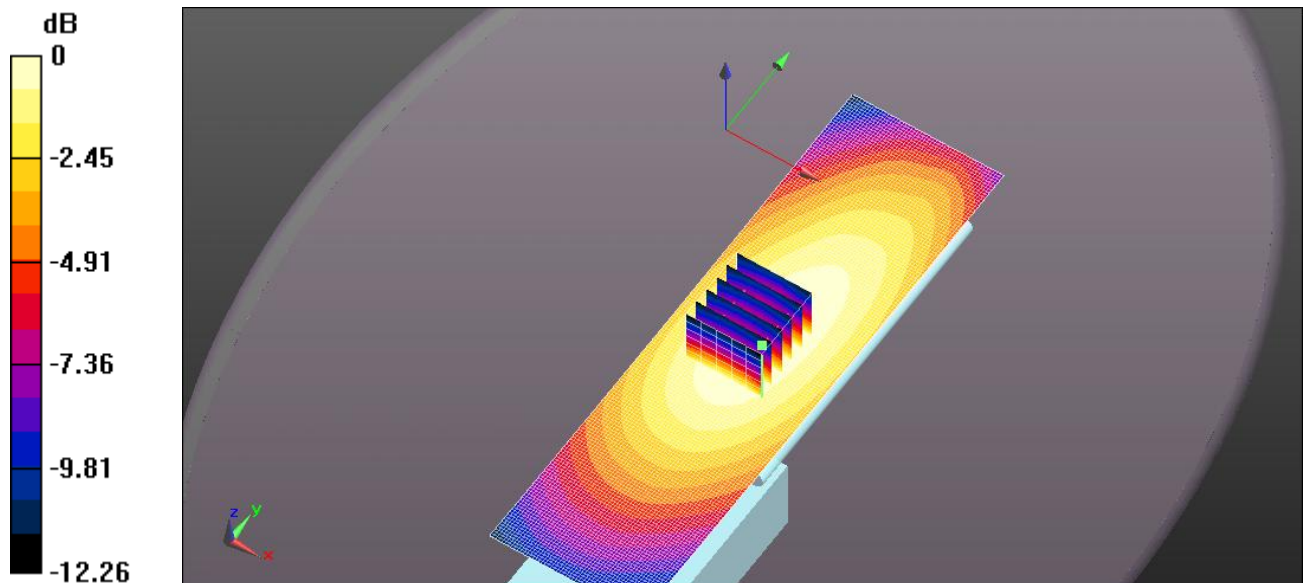
(6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 46.99 V/m; Power Drift = -0.48 dB

Peak SAR (extrapolated) = 2.24 W/kg

SAR(1 g) = 1.53 W/kg; SAR(10 g) = 1.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.71 W/kg



0 dB = 1.71 W/kg = 2.33 dBW/kg

FILE NAME: ICOM-540Q HEAD FA-SC59V 157.425 MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000204

Communication System: UID 0, CW (0); Frequency: 157.425 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 158$ MHz; $\sigma = 0.801$ S/m; $\epsilon_r = 53.301$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.65, 7.65, 7.65); Calibrated: 3/20/2020;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/13/2020
- 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) = 1.69 W/kg

Configuration_Head_IC-M25/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

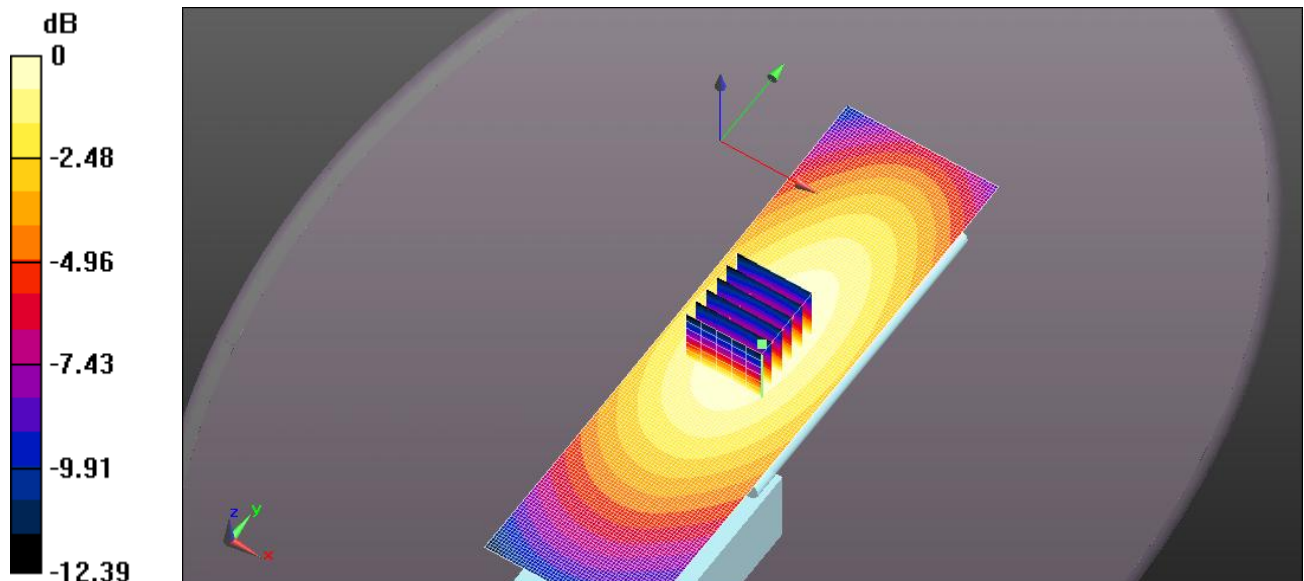
(6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 46.65 V/m; Power Drift = -0.75 dB

Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 1.45 W/kg; SAR(10 g) = 1.08 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.69 W/kg = 2.28 dBW/kg

EXHIBIT 2. BODY SAR MEASUREMENTS

Body SAR Measurements Summary

Antenna	Power (W)	CH	CH. Freq	Body SAR1g (W/Kg)	Body SAR10g (W/Kg)	Power Drift (dB)
				MB-133 & HM-213	MB-133 & HM-213	
			(MHz)	BP-282	BP-282	
FA-SC59V	4.82	1	156.05	0.627	0.476	-0.51
	4.80	74	156.725	**	**	**
	4.77	88	157.425	0.547	0.417	-0.82

** SAR Test Reduction Applied For PTT Radio

FILE NAME: ICOM-540Q BODY MB133 FA-SC59V 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000204

Communication System: UID 0, CW; Frequency: 156.05 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 156.05$ MHz; $\sigma = 0.768$ S/m; $\epsilon_r = 61.957$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.35, 7.35, 7.35); Calibrated: 3/20/2020;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/13/2020
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Area Scan (51x171x1):

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

Maximum value of SAR (interpolated) = 0.703 W/kg

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Zoom Scan (5x5x7)

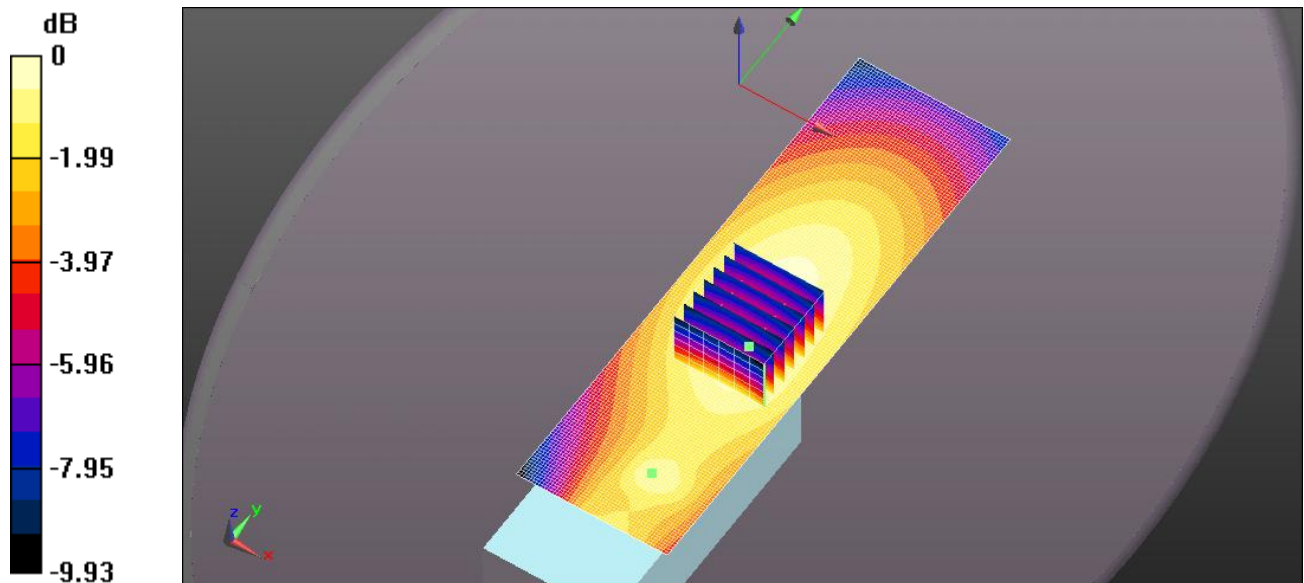
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 31.48 V/m; Power Drift = -0.51 dB

Peak SAR (extrapolated) = 0.927 W/kg

SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.476 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.705 W/kg



0 dB = 0.703 W/kg = -1.53 dBW/kg

FILE NAME: ICOM-540Q BODY MB133 FA-SC59V 157.425 MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000204

Communication System: UID 0, CW; Frequency: 157.425 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 158$ MHz; $\sigma = 0.767$ S/m; $\epsilon_r = 62.151$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.35, 7.35, 7.35); Calibrated: 3/20/2020;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/13/2020
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 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) = 0.614 W/kg

Configuration_Body_IC-M25/Front to Face, P=5W, d=0mm/Zoom Scan (5x5x7)

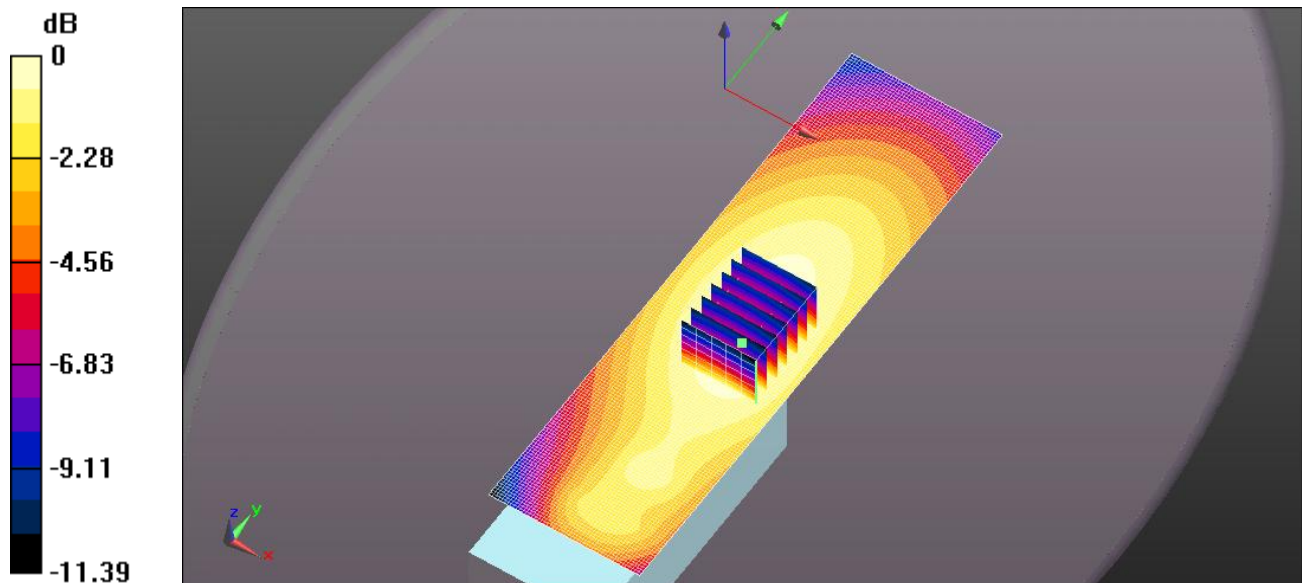
(6x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 30.36 V/m; Power Drift = -0.82 dB

Peak SAR (extrapolated) = 0.807 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.417 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.611 W/kg



0 dB = 0.614 W/kg = -2.12 dBW/kg