

APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. HEAD SAR MEASUREMENTS

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	4.10	1	156.05	1.42	1.08	-1.58
	4.04	74	156.725	**	**	**
	4.00	88	157.425	**	**	**

FILE NAME: ICOM-522Q HEAD FA-SC59V 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000016

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

Medium parameters used (interpolated): $f = 156.05$ MHz; $\sigma = 0.748$ S/m; $\epsilon_r = 52.053$; $\rho = 1000$ kg/m³ ;

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

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- 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 (51x61x1):

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

Maximum value of SAR (interpolated) = 3.11 W/kg

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

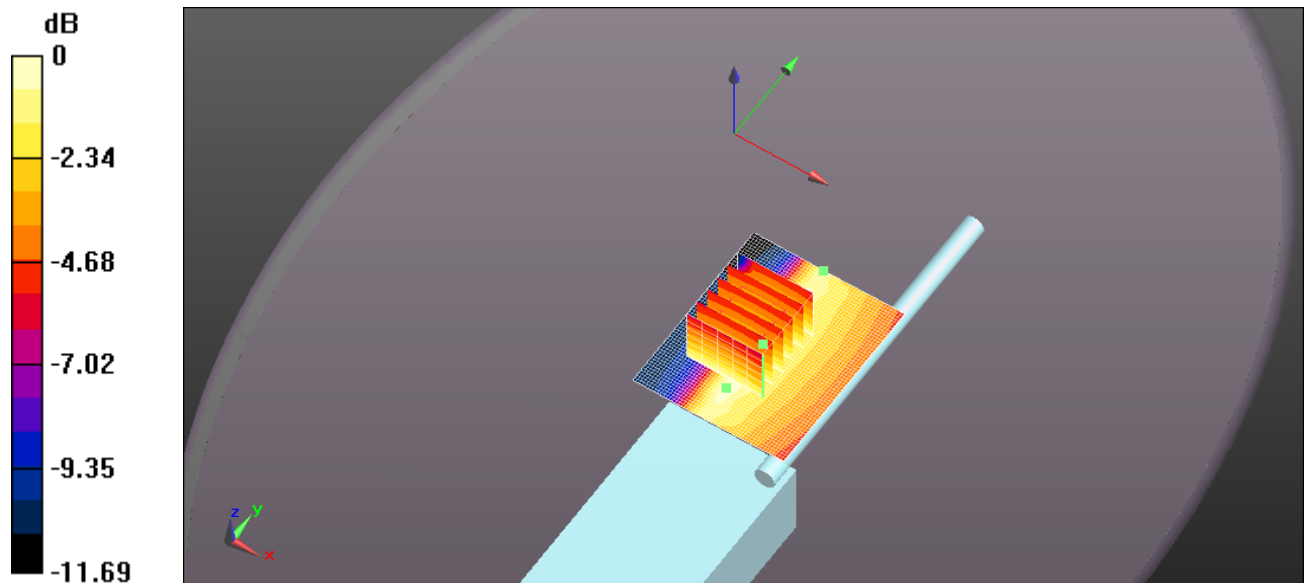
(6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 57.78 V/m; Power Drift = -1.58 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.42 W/kg; SAR(10 g) = 1.08 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.84 W/kg



0 dB = 3.11 W/kg = 4.92 dBW/kg

EXHIBIT 2. BODY SAR MEASUREMENTS

Antenna	Power (W)	CH	CH. Freq	Body SAR1g (W/Kg)	Body SAR10g (W/Kg)	Power Drift (dB)
				MB-133	MB-133	
			(MHz)	BP-282	BP-282	
FA-SC59V	4.10	1	156.05	1.2	0.908	-1.66
	4.04	74	156.725	**	**	**
	4.00	88	157.425	**	**	**

FILE NAME: ICOM-522Q BODY MB133 FA-SC59V 156.050MHZ.DA52:0

DUT: IC-M25; Type: VHF Marine Transceiver; Serial: 00000016

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

Medium parameters used (interpolated): $f = 156.05$ MHz; $\sigma = 0.783$ S/m; $\epsilon_r = 61.661$; $\rho = 1000$ kg/m³ ;

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

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.43, 10.43, 10.43); Calibrated: 8/19/2019;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 11/19/2019
- 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 (51x61x1):

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

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

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

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

Reference Value = 51.88 V/m; Power Drift = -1.66 dB

Peak SAR (extrapolated) = 1.88 W/kg

SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.908 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.57 W/kg

