

APPENDIX 1

SAR Measurement Data

Contents

EXHIBIT 1. HEAD SAR MEASUREMENTS..... 3

Head SAR Measurement Summary 3

 FILE NAME: ICOM-575Q HEAD BP-294 FA-SC61UC 165MM 440MHZ.DA52:0 4

EXHIBIT 1. HEAD SAR MEASUREMENTS

Head SAR Measurement Summary

Antenna	Power (W)	C H	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift (dB)
				BP-294	BP-294	
			(MHz)	3150mAh	3150mAh	
FA-SC61UC 400MHz 165mm	4.88	2	440	8.34	6.13	-0.47

FILE NAME: ICOM-575Q HEAD BP-294 FA-SC61UC 165MM 440MHZ.DA52:0

DUT: IC-F62D; Type: VHF Digital Transceiver; Serial: 17000302

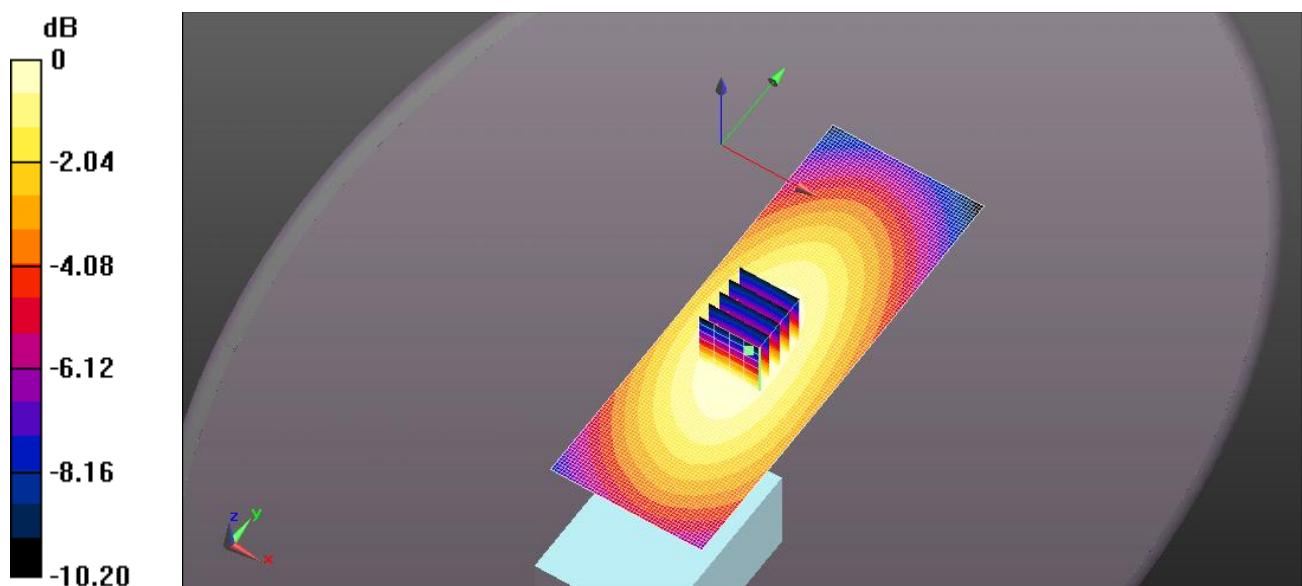
Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440$ MHz; $\sigma = 0.821$ S/m; $\epsilon_r = 42.842$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); 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-F62D/Head Front, P=5W, d=25mm (SAR corrected for target medium)/Area Scan (51x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.63 W/kg

Configuration_Head_IC-F62D/Head Front, P=5W, d=25mm (SAR corrected for target medium)/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 109.6 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 11.8 W/kg
SAR(1 g) = 8.34 W/kg; SAR(10 g) = 6.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.34 W/kg



0 dB = 9.63 W/kg = 9.83 dBW/kg