

APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. HEAD SAR MEASUREMENTS

Head SAR Measurement Summary

Cut Antenna	Power (W)	CH	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift
			(MHz)	BP-292UL,2010mAh	BP-292UL,2010mAh	(dB)
FA-S61VC 155MHz 151mm	4.82	16	167.7	2.36	1.76	-0.45

File Name: [ICOM-583Q Head FA-SC61VC 151mm 167.7.da52:0](#)

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 12000202

Communication System: UID 10000, CW (0); Frequency: 167.7 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 168$ MHz; $\sigma = 0.782$ S/m; $\epsilon_r = 55.999$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

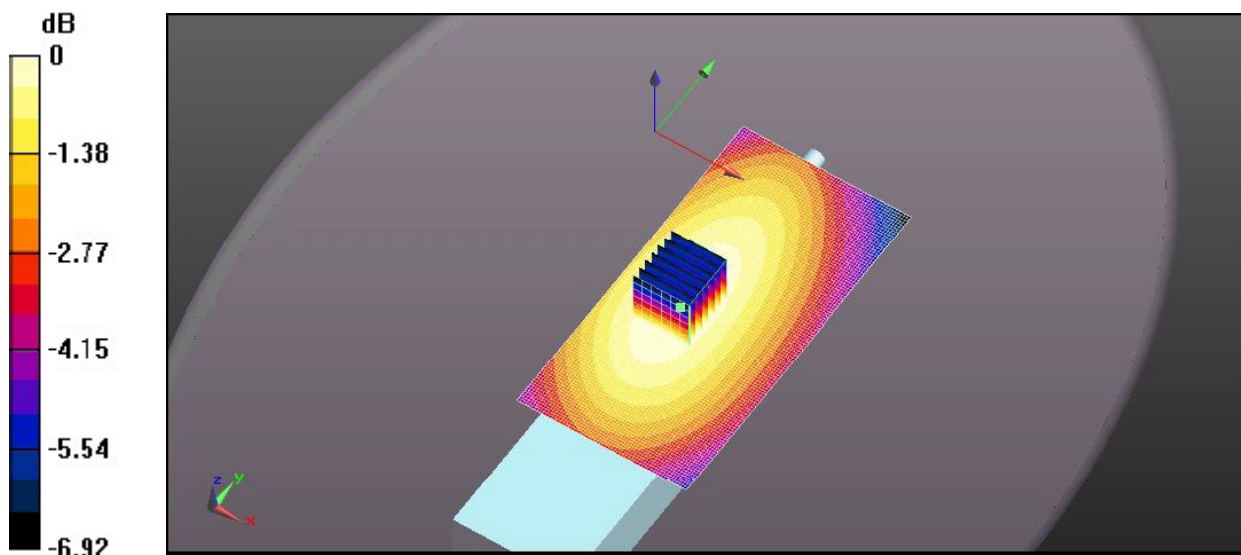
- Probe: ES3DV3 - SN3208; ConvF(7.36, 7.36, 7.36); Calibrated: 3/18/2022;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x151x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.68 W/kg

Configuration_Head_IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

(7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.02 V/m; Power Drift = -0.45 dB
Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.76 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.61 W/kg



0 dB = 2.61 W/kg = 4.17 dBW/kg