

APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. HEAD SAR MEASUREMENTS

Head SAR Measurement Summary

Antenna	Power (W)	CH	CH. Freq (MHz)	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift (dB)
				BP-292UL,2010mAh	BP-292UL,2010mAh	
FA-SC61UC 400MHz 165mm	5.086	3	460	5.62	3.37	-0.23

File Name: ICOM-585Q Head FA-SC61UC 460MHz 165mm.da52:0

DUT: IC-F62D-UL; Type: Portable UHF Transceiver; Serial: 12000202

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460 \text{ MHz}$; $\sigma = 0.847 \text{ S/m}$; $\epsilon_r = 42.356$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(6.91, 6.91, 6.91); 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 for IC-F62D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 7.30 W/kg

Configuration Head for IC-F62D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7)

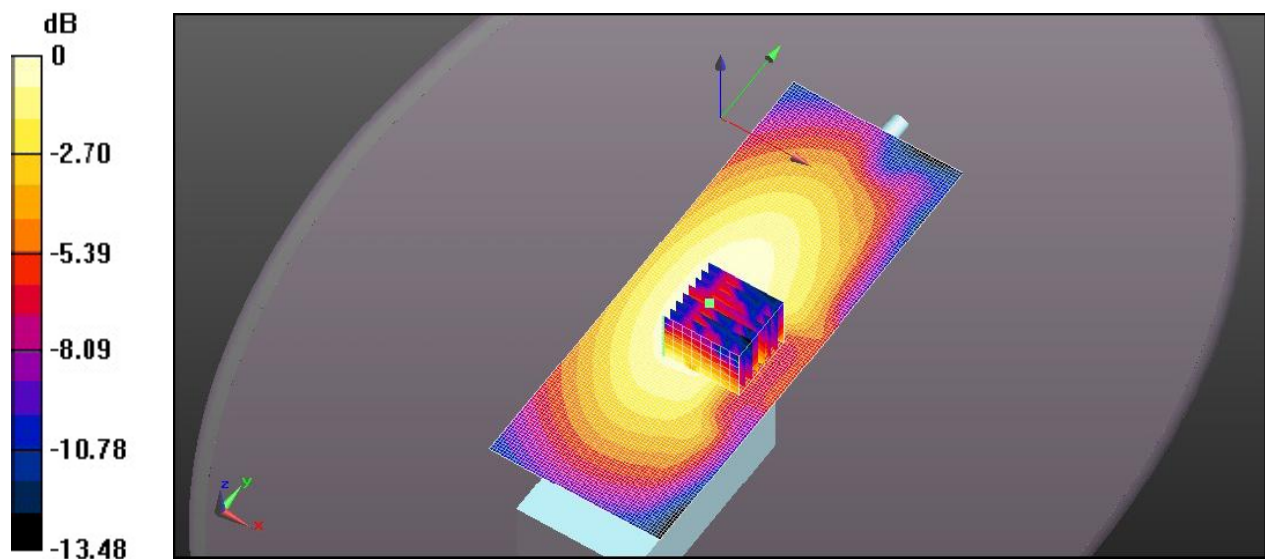
(9x8x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 75.82 V/m ; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 8.79 W/kg

SAR(1 g) = 5.62 W/kg ; SAR(10 g) = 3.37 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.32 W/kg



0 dB = 6.32 W/kg = 8.01 dBW/kg