

APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. BODY SAR MEASUREMENTS

Body SAR Measurement Summary

Antenna	Power (W)	C H	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift (dB)
				BP-283,2010mAh	BP-283,2010mAh	
			(MHz)	MB-133& HM-222	MB-133& HM-222	
FA-S76UC 520MHz 125mm	5.012	5	520	7.7	5.55	-0.13

File Name: [ICOM-579QR1 FA-S76UC 520MHz.BP-283.MB-133 HM-222da52:0](#)

DUT: IC-F7020S; Type: UHF Digital Transceiver; Serial: 71000210

Communication System: UID 0, CW (0); Frequency: 520 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 520$ MHz; $\sigma = 1.062$ S/m; $\epsilon_r = 54.995$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3208; ConvF(7.04, 7.04, 7.04); 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_Body_IC-F7020S/Body Mount, P=5W, d=0mm/Area Scan (61x151x1):

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

Maximum value of SAR (interpolated) = 10.3 W/kg

Configuration_Body_IC-F7020S/Body Mount, P=5W, d=0mm/Zoom Scan (5x5x7)

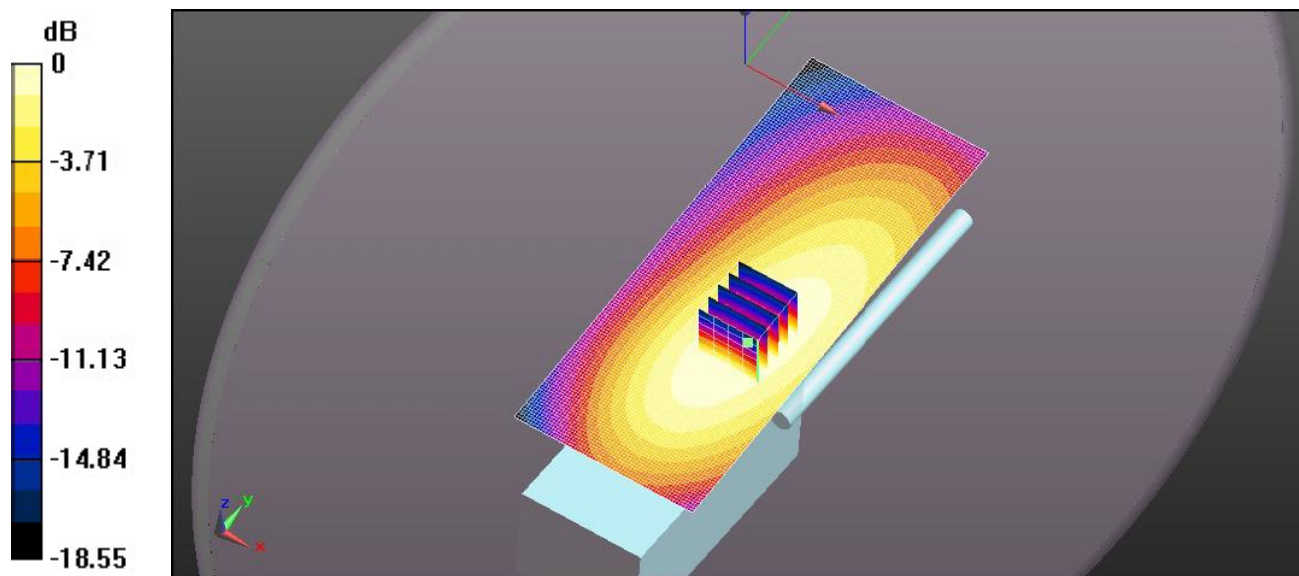
(5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 92.38 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 7.7 W/kg; SAR(10 g) = 5.55 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.75 W/kg



0 dB = 10.3 W/kg = 10.13 dBW/kg