

APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. HEAD SAR MEASUREMENTS

Power (mW)	CH	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift (dB)
			BP-292UL	BP-292UL	
		(MHz)			
5.1000	0	2402	<0.001	<0.001	NA
5.1600	39	2441	<0.001	<0.001	NA
5.0800	78	2480	<0.001	<0.001	NA

1. File Name: [ICOM-627Q Head 2.402GHz.da52:0](#)

DUT: IC-F52D; Type: VHF Digital Transceiver; Serial: 12000203

Communication System: UID 0, CW (0); Frequency: 2402 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.731$ S/m; $\epsilon_r = 38.194$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

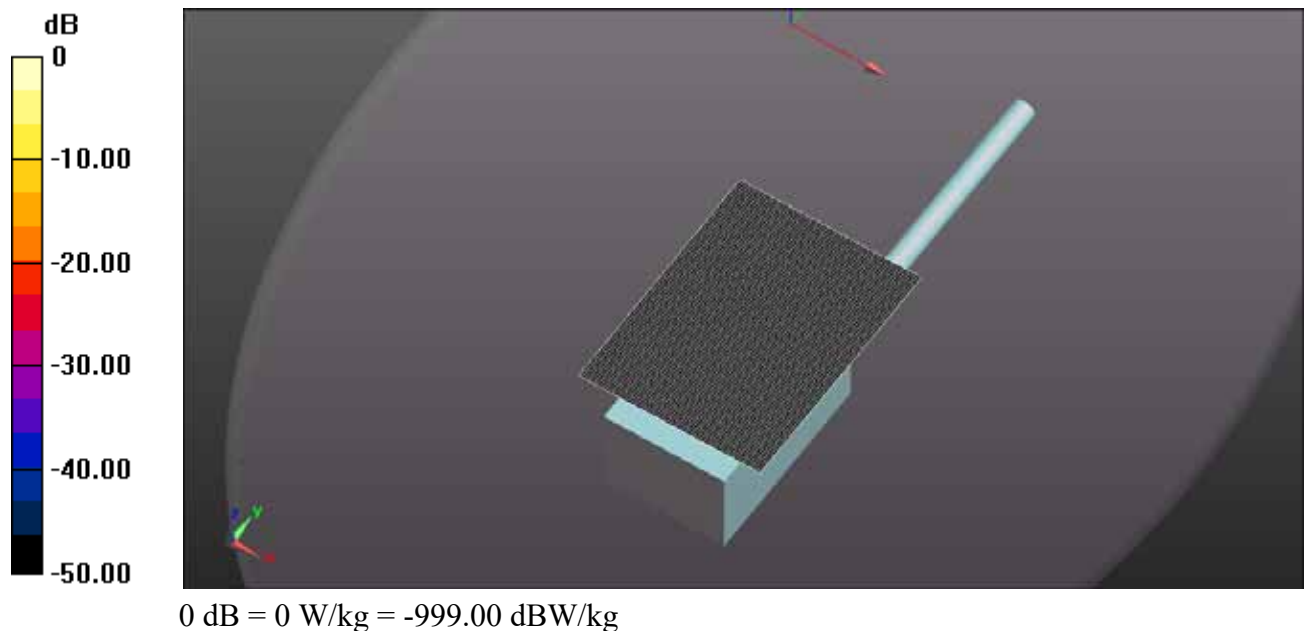
DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.27, 7.27, 7.27); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Body Configuration_2.402GHz_IC-F52D/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0 W/kg



2. File Name: ICOM-627Q Head 2.441GHz.da52:0

DUT: IC-F52D; Type: VHF Digital Transceiver; Serial: 12000203

Communication System: UID 0, CW (0); Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.742$ S/m; $\epsilon_r = 38.031$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

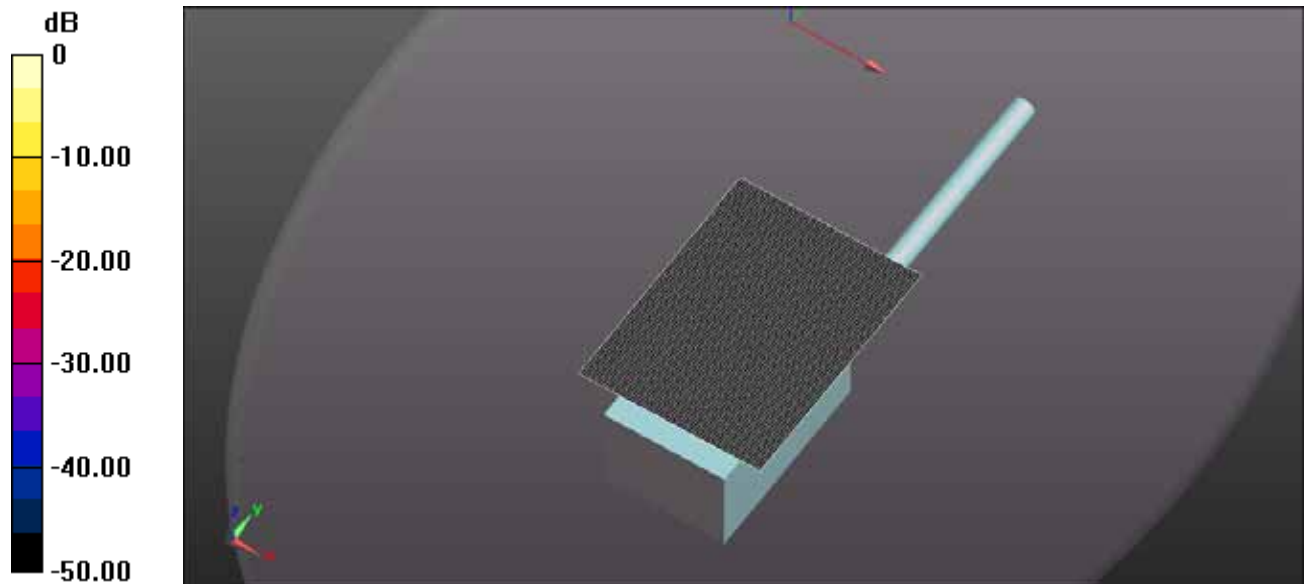
DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.27, 7.27, 7.27); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Body Configuration_2.402GHz_IC-F52D/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0 W/kg



0 dB = 0 W/kg = -999.00 dBW/kg

3. File Name: ICOM-627Q Head 2.480GHz.da52:0

DUT: IC-F52D; Type: VHF Digital Transceiver; Serial: 12000203

Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.812$ S/m; $\epsilon_r = 37.787$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

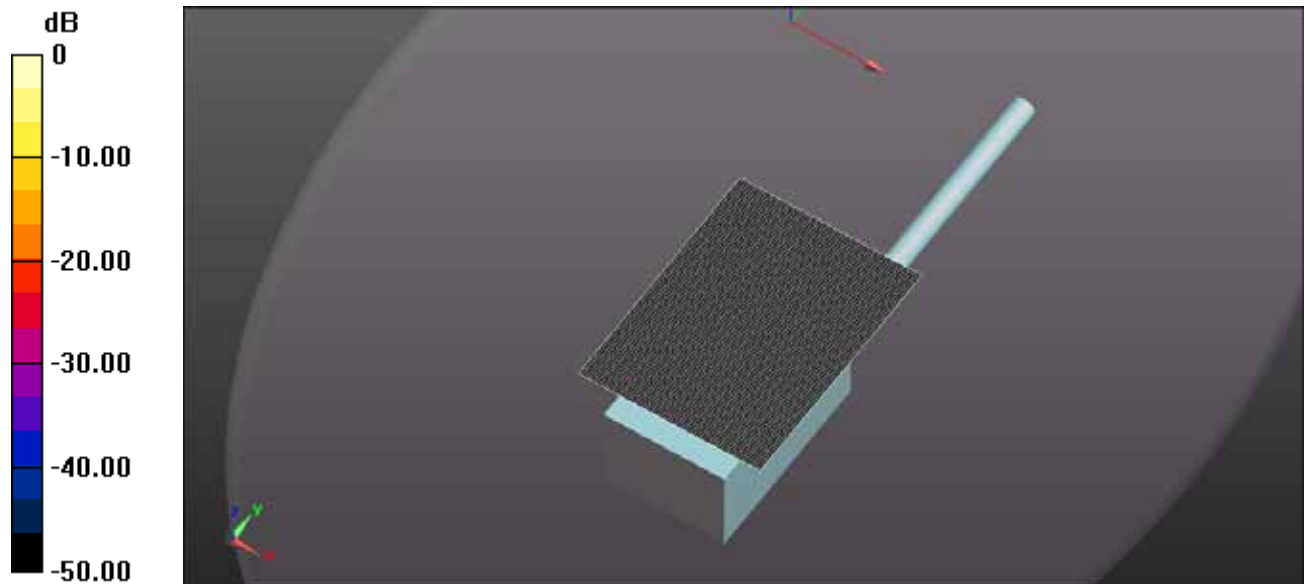
DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.27, 7.27, 7.27); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Body Configuration_2.402GHz_IC-F52D/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0 W/kg



0 dB = 0 W/kg = -999.00 dBW/kg

EXHIBIT 2. BODY SAR MEASUREMENTS

Power (mW)	CH	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift (dB)
			BP-292UL	BP-292UL	
		(MHz)			
5.1000	0	2402	<0.001	<0.001	NA
5.1600	39	2441	<0.001	<0.001	NA
5.0800	78	2480	<0.001	<0.001	NA

1. File Name: ICOM-627Q Body 2.402GHz.da52:0

DUT: IC-F52D; Type: VHF Digital Transceiver; Serial: 12000203

Communication System: UID 0, CW (0); Frequency: 2402 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.966$ S/m; $\epsilon_r = 53.069$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

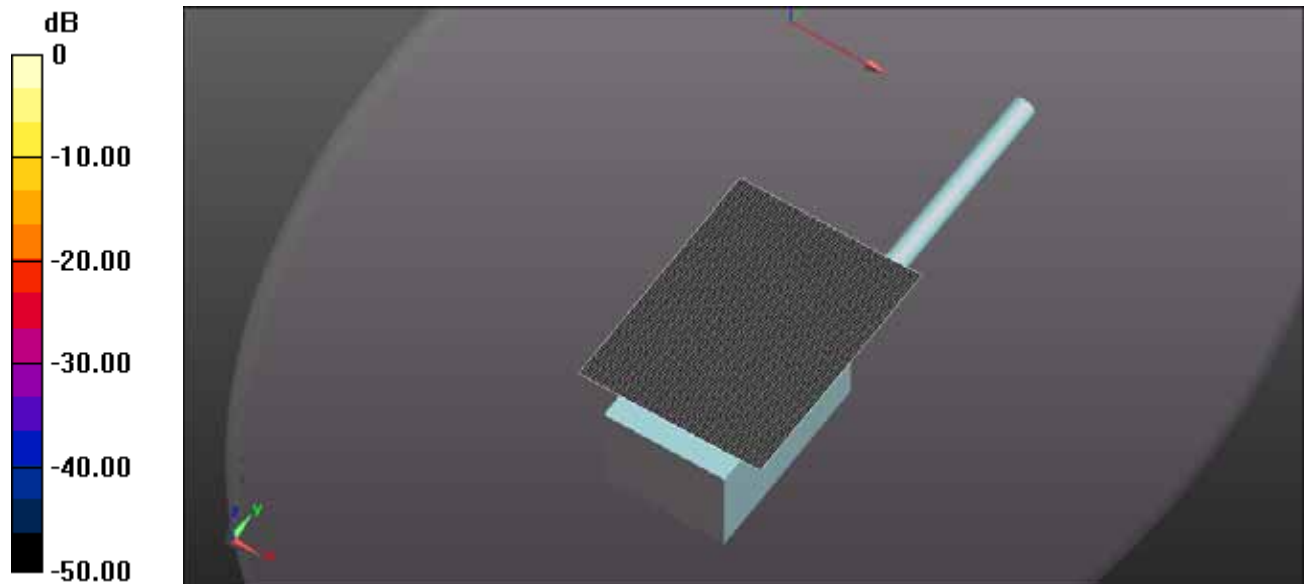
DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.18, 7.18, 7.18); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Body Configuration_2.402GHz_IC-F52D-UL/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0 W/kg



0 dB = 0 W/kg = -999.00 dBW/kg

2. File Name: ICOM-627Q Body 2.4412GHz.da52:0

DUT: IC-F52D; Type: VHF Digital Transceiver; Serial: 12000203

Communication System: UID 0, CW (0); Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.939$ S/m; $\epsilon_r = 52.781$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

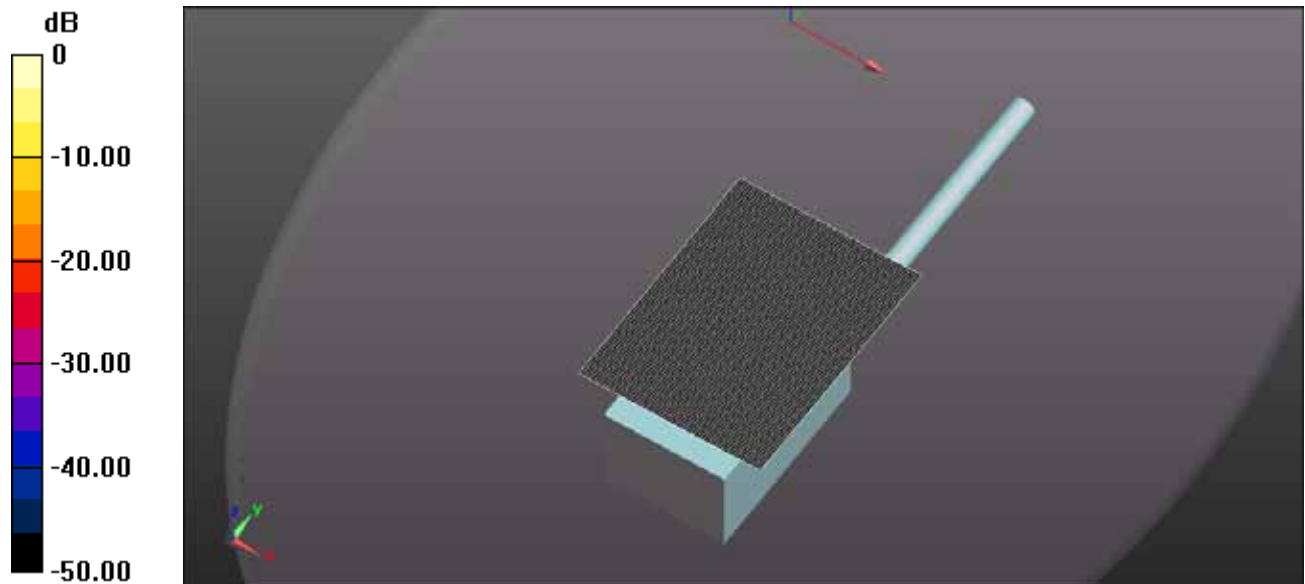
DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.18, 7.18, 7.18); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Body Configuration_2.402GHz_IC-F52D-UL/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0 W/kg



0 dB = 0 W/kg = -999.00 dBW/kg

3. File Name: ICOM-627Q Body 2.480 2GHz.da52:0

DUT: IC-F52D; Type: VHF Digital Transceiver; Serial: 12000203

Communication System: UID 0, CW (0); Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 2.036$ S/m; $\epsilon_r = 52.842$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

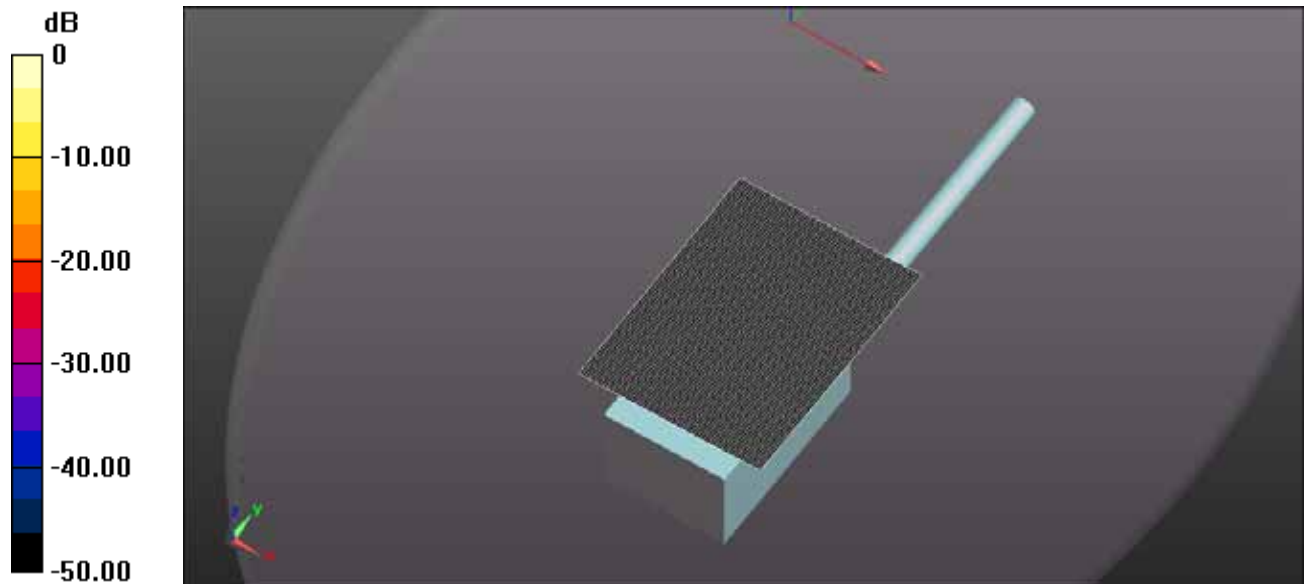
DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(7.18, 7.18, 7.18); Calibrated: 8/12/2024;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/8/2024
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Body Configuration_2.402GHz_IC-F52D-UL/d=10mm, Pin=250mW, dist=1.4mm (EX-Probe)/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0 W/kg



0 dB = 0 W/kg = -999.00 dBW/kg