

APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. HEAD SAR MEASUREMENTS

Antenna	Power (W)	CH	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift (dB)
			(MHz)	BP-279	BP-279	
				1485mAh	1485mAh	
FA-SC28V	1.67	5	151.82	0.604	0.454	-0.22
	1.66	3	154.57	**	**	**
	1.66	9	154.6	0.531	0.4	-1.63

** SAR Test Reduction Applied For PTT Radio

FILE NAME: [ICOM-531Q HEAD FA-SC28V 151.82 MHZ.DA52:0](#)

DUT: IC-V10MR; Type: VHF Transceiver; Serial: 00000006

Communication System: UID 0, CW (0); Frequency: 151.82 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 152$ MHz; $\sigma = 0.747$ S/m; $\epsilon_r = 52.124$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.65, 7.65, 7.65); Calibrated: 3/20/2020;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/13/2020
- 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-V10MR/Head Front, P=2W, d=25mm/Area Scan (51x101x1):

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

Maximum value of SAR (interpolated) = 0.673 W/kg

Configuration_Head_IC-V10MR/Head Front, P=2W, d=25mm/Zoom Scan (5x5x7)

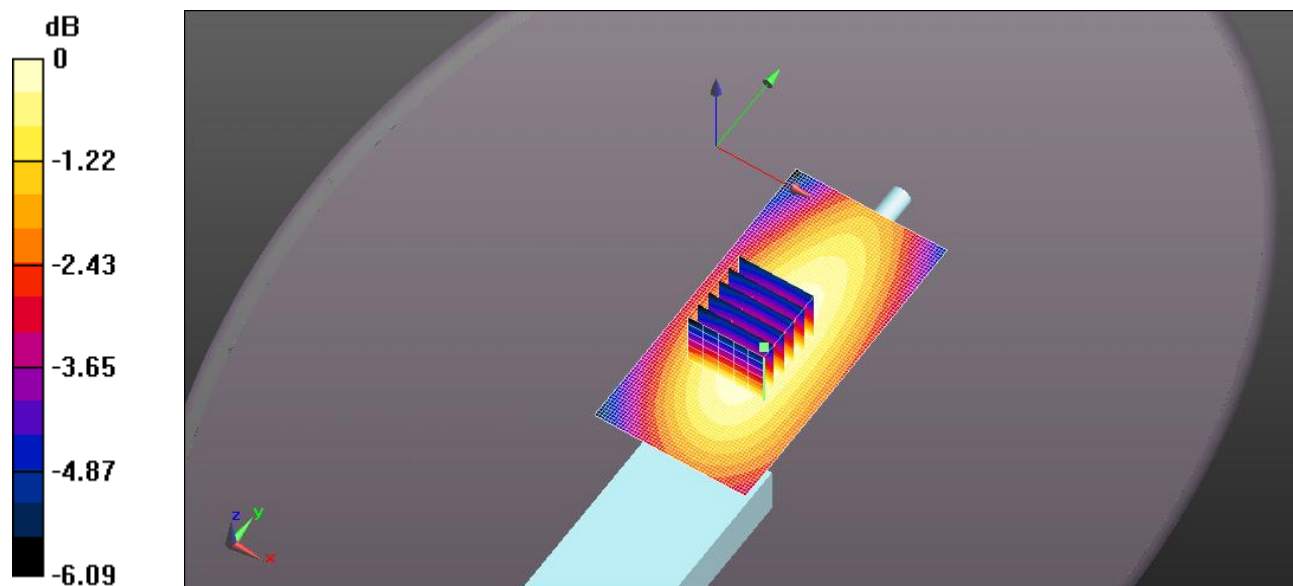
(6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 29.49 V/m; Power Drift = -0.22 dB

Peak SAR (extrapolated) = 0.881 W/kg

SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.454 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.674 W/kg



0 dB = 0.673 W/kg = -1.72 dBW/kg

FILE NAME: [ICOM-531Q HEAD FA-SC28V 154.60 MHZ.DA52:0](#)

DUT: IC-V10MR; Type: VHF Transceiver; Serial: 00000006

Communication System: UID 0, CW (0); Frequency: 154.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 154.6$ MHz; $\sigma = 0.749$ S/m; $\epsilon_r = 52.335$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.65, 7.65, 7.65); Calibrated: 3/20/2020;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/13/2020
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head_IC-V10MR/Head Front, P=2W, d=25mm/Area Scan (51x101x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.659 W/kg

Configuration_Head_IC-V10MR/Head Front, P=2W, d=25mm/Zoom Scan (5x5x7)

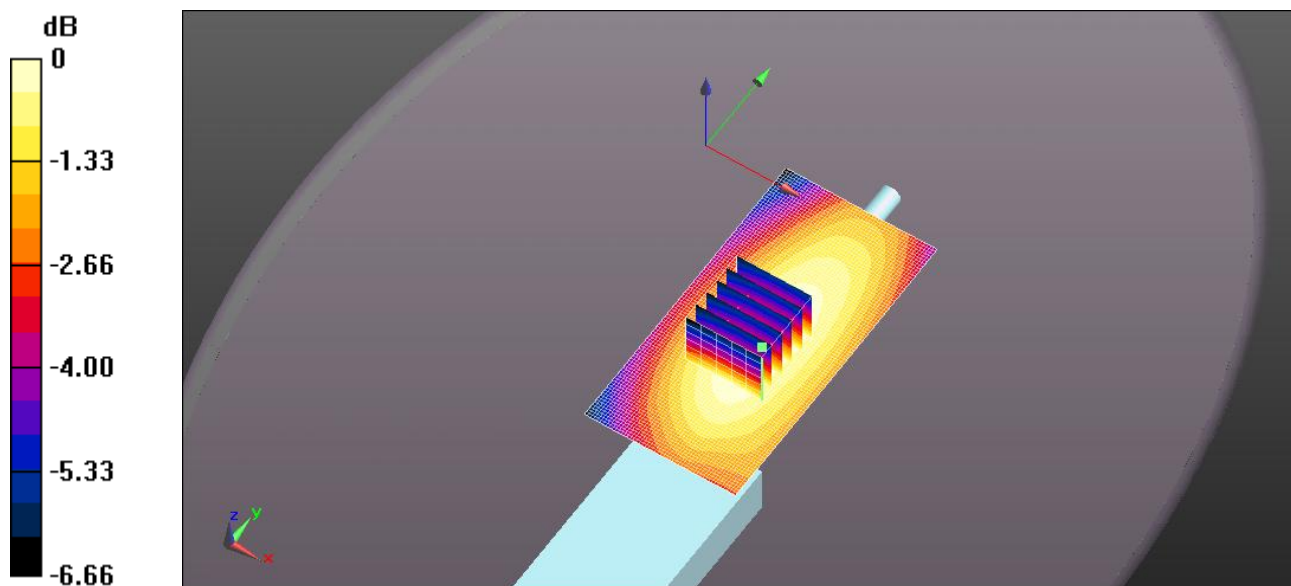
(6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 31.65 V/m; Power Drift = -1.63 dB

Peak SAR (extrapolated) = 0.772 W/kg

SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.400 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.592 W/kg



0 dB = 0.659 W/kg = -1.81 dBW/kg

EXHIBIT 2. BODY SAR MEASUREMENTS

Antenna	Power (W)	CH	CH. Freq	Body SAR1g (W/Kg)	Body SAR10g (W/Kg)	Power Drift (dB)
				BP-279	BP-279	
			(MHz)	1485mAh	1485mAh	
FA-SC28V	1.67	5	151.82	0.629	0.46	-0.12
	1.66	3	154.57	**	**	**
	1.66	9	154.6	0.522	0.394	-0.79

** SAR Test Reduction Applied For PTT Radio

FILE NAME: [ICOM-531Q BODY MB133 HM-158LA FA-SC28V 151.82 MHZ.DA52:0](#)

DUT: IC-V10MR; Type: VHF Transceiver; Serial: 00000006

Communication System: UID 0, CW; Frequency: 151.82 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 152$ MHz; $\sigma = 0.8$ S/m; $\epsilon_r = 61.59$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.35, 7.35, 7.35); Calibrated: 3/20/2020;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/13/2020
- 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-V10MR/Front to Face, P=2W, d=0mm/Area Scan (51x101x1):

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

Maximum value of SAR (interpolated) = 0.715 W/kg

Configuration_Body_IC-V10MR/Front to Face, P=2W, d=0mm/Zoom Scan (5x5x7)

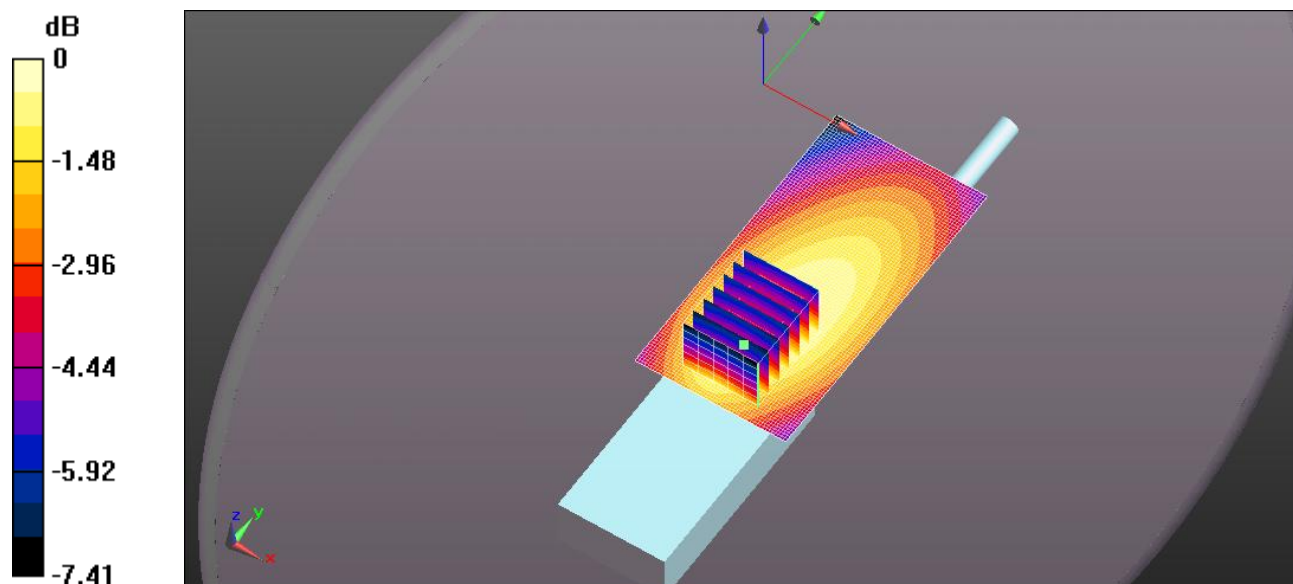
(6x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 29.71 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.460 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.713 W/kg



0 dB = 0.715 W/kg = -1.46 dBW/kg

FILE NAME: [ICOM-531Q BODY MB133 HM-158LA FA-SC28V 154.60 MHZ.DA52:0](#)

DUT: IC-V10MR; Type: VHF Transceiver; Serial: 00000006

Communication System: UID 0, CW; Frequency: 154.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 154.6$ MHz; $\sigma = 0.8$ S/m; $\epsilon_r = 61.433$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.35, 7.35, 7.35); Calibrated: 3/20/2020;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/13/2020
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body_IC-V10MR/Front to Face, P=2W, d=0mm/Area Scan (51x101x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.591 W/kg

Configuration_Body_IC-V10MR/Front to Face, P=2W, d=0mm/Zoom Scan (5x5x7)

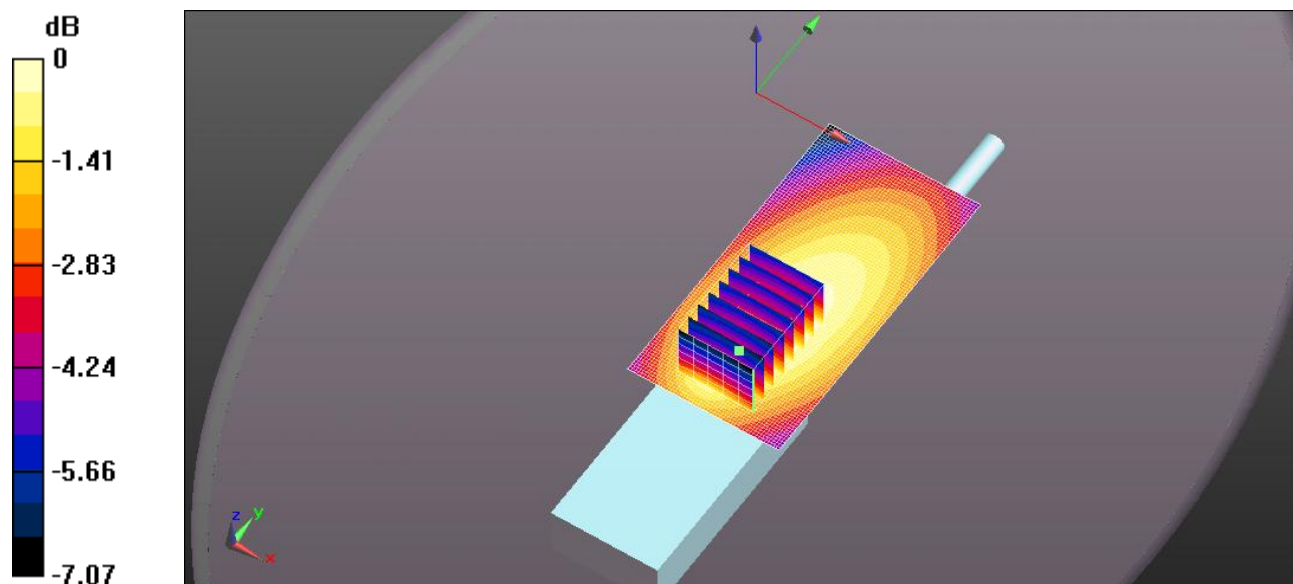
(6x8x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 29.60 V/m; Power Drift = -0.79 dB

Peak SAR (extrapolated) = 0.858 W/kg

SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.394 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.587 W/kg



0 dB = 0.591 W/kg = -2.28 dBW/kg