

APPENDIX 1

SAR Measurement Data

Table of Contents

EXHIBIT 1.	PRESCAN MEASUREMENT SUMMARY.....	5
	File Name: ICOM-494Q Body FA-SC25V 136MHz MBB-3.da52:0	6
	File Name: ICOM-494Q Body FA-SC25V 136MHz MB-136.da52:0	7
EXHIBIT3.	BODY SAR MEASUREMENTS – FIXED ANTENNA	8
EXHIBIT 4.	BODY SAR MEASUREMENTS – CUT ANTENNA.....	9
	File Name: ICOM-494Q Body FA-SC25V 143MHz.da52:0	11
	File Name: ICOM-494Q Body FA-SC28V 155MHz.da52:0	12
	File Name: ICOM-494Q Body FA-SC29V 160MHz.da52:0	13
	File Name: ICOM-494Q Body FA-SC29V 174MHz.da52:0	14
	File Name: ICOM-494Q Body FA-SC62V 155MHz.da52:0	15
	File Name: ICOM-494Q Body FA-SC63V 155MHz.da52:0	16
	File Name: ICOM-494Q Body FA-SC63V 165MHz.da52:0	17
	File Name: ICOM-494Q Body FA-SC27VS 146MHz.da52:0	18
	File Name: ICOM-494Q Body FA-SC26VS 140MHz.da52:0	19
	File Name: ICOM-494Q Body FA-SC56VS 156MHz.da52:0	20
	File Name: ICOM-494Q Body FA-SC57VS 160MHz.da52:0	21
	File Name: ICOM-494Q Body FA-SC57VS 174MHz.da52:0	22
	File Name: ICOM-494Q Body FA-SC61VC 174mm 136Mhz.da52:0	23
	File Name: ICOM-494Q Body FA-SC61VC 174mm 148.7Mhz.da52:0	24
	File Name: ICOM-494Q Body FA-SC61VC 174mm 161.3Mhz.da52:0	25
	File Name: ICOM-494Q Body FA-SC61VC 174mm 174Mhz.da52:0	26
	File Name: ICOM-494Q Body FA-SC61VC 169mm 140Mhz.da52:0	27
	File Name: ICOM-494Q Body FA-SC61VC 169mm 155Mhz.da52:0	28
	File Name: ICOM-494Q Body FA-SC61VC 169mm 167.7Mhz.da52:0	29
	File Name: ICOM-494Q Body FA-SC61VC 163mm 145Mhz.da52:0	30
	File Name: ICOM-494Q Body FA-SC61VC 163mm 136Mhz.da52:0	31
	File Name: ICOM-494Q Body FA-SC61VC 163mm 161.3Mhz.da52:0	32
	File Name: ICOM-494Q Body FA-SC61VC 163mm 174Mhz.da52:0	33
	File Name: ICOM-494Q Body FA-SC61VC 157mm 150Mhz.da52:0	34
	File Name: ICOM-494Q Body FA-SC61VC 157mm 136Mhz.da52:0	35
	File Name: ICOM-494Q Body FA-SC61VC 157mm 161.3Mhz.da52:0	36
	File Name: ICOM-494Q Body FA-SC61VC 157mm 174Mhz.da52:0	37
	File Name: ICOM-494Q Body FA-SC61VC 151mm 155Mhz.da52:0	38
	File Name: ICOM-494Q Body FA-SC61VC 151mm 142.3Mhz.da52:0	39
	File Name: ICOM-494Q Body FA-SC61VC 151mm 167.7Mhz.da52:0	40
	File Name: ICOM-494Q Body FA-SC61VC 146mm 160Mhz.da52:0	41
	File Name: ICOM-494Q Body FA-SC61VC 146mm 148.7Mhz.da52:0	42
	File Name: ICOM-494Q Body FA-SC61VC 146mm 136Mhz.da52:0	43
	File Name: ICOM-494Q Body FA-SC61VC 146mm 174Mhz.da52:0	44
	File Name: ICOM-494Q Body FA-SC61VC 141mm 165Mhz.da52:0	45

SPECIFIC ABSORPTION RATE (SAR)**Portable VHF Transceiver, M/N: IC-F52D-UL****FCC ID: AFJ395100**

File Name: ICOM-494Q Body FA-SC61VC 141mm 155Mhz.da52:0.....	46
File Name: ICOM-494Q Body FA-SC61VC 141mm 142.3Mhz.da52:0.....	47
File Name: ICOM-494Q Body FA-SC61VC 137mm 170Mhz.da52:0.....	48
File Name: ICOM-494Q Body FA-SC61VC 137mm 155Mhz.da52:0.....	49
File Name: ICOM-494Q Body FA-SC61VC 137mm 142.3Mhz.da52:0.....	50
File Name: ICOM-494Q Body FA-SC61VC 133mm 174Mhz.da52:0.....	51
File Name: ICOM-494Q Body FA-SC61VC 133mm 161.3Mhz.da52:0.....	52
File Name: ICOM-494Q Body FA-SC61VC 133mm 148.7Mhz.da52:0.....	53
File Name: ICOM-494Q Body FA-SC61VC 133mm 136Mhz.da52:0.....	54
EXHIBIT 5. HEAD SAR MEASUREMENTS - FIXED ANTENNA.....	55
EXHIBIT 6. HEAD SAR MEASUREMENTS - CUT ANTENNA.....	56
File Name: ICOM-494Q Head FA-SC25V 136MHz.da52:0.....	58
File Name: ICOM-494Q Head FA-SC25V 143MHz.da52:0.....	59
File Name: ICOM-494Q Head FA-SC25V 150MHz.da52:0.....	60
File Name: ICOM-494Q Head FA-SC28V 148MHz.da52:0.....	61
File Name: ICOM-494Q Head FA-SC28V 155MHz.da52:0.....	62
File Name: ICOM-494Q Head FA-SC28V 162MHz.da52:0.....	63
File Name: ICOM-494Q Head FA-SC29V 160MHz.da52:0.....	64
File Name: ICOM-494Q Head FA-SC29V 167MHz.da52:0.....	65
File Name: ICOM-494Q Head FA-SC62V 155MHz.da52:0.....	66
File Name: ICOM-494Q Head FA-SC27VS 146MHz.da52:0.....	67
File Name: ICOM-494Q Head FA-SC26VS 140MHz.da52:0.....	68
File Name: ICOM-494Q Head FA-SC56VS 156MHz.da52:0.....	69
File Name: ICOM-494Q Head FA-SC57VS 160MHz.da52:0.....	70
File Name: ICOM-494Q Head FA-SC57VS 174MHz.da52:0.....	71
File Name: ICOM-494Q Head FA-SC29V 174MHz.da52:0.....	72
File Name: ICOM-494Q Head FA-SC63V 165MHz.da52:0.....	73
File Name: ICOM-494Q Head FA-SC63V 155MHz.da52:0.....	74
File Name: ICOM-494Q Head FA-SC61VC 174mm 136Mhz.da52:0.....	75
File Name: ICOM-494Q Head FA-SC61VC 174mm 148.7Mhz.da52:0.....	76
File Name: ICOM-494Q Head FA-SC61VC 174mm 161.3Mhz.da52:0.....	77
File Name: ICOM-494Q Head FA-SC61VC 174mm 174Mhz.da52:0.....	78
File Name: ICOM-494Q Head FA-SC61VC 169mm 140Mhz.da52:0.....	79
File Name: ICOM-494Q Head FA-SC61VC 169mm 155Mhz.da52:0.....	80
File Name: ICOM-494Q Head FA-SC61VC 169mm 167.7Mhz.da52:0.....	81
File Name: ICOM-494Q Head FA-SC61VC 163mm 145Mhz.da52:0.....	82
File Name: ICOM-494Q Head FA-SC61VC 163mm 136Mhz.da52:0.....	83
File Name: ICOM-494Q Head FA-SC61VC 163mm 161.3Mhz.da52:0.....	84
File Name: ICOM-494Q Head FA-SC61VC 163mm 174Mhz.da52:0.....	85
File Name: ICOM-494Q Head FA-SC61VC 157mm 150Mhz.da52:0.....	86
File Name: ICOM-494Q Head FA-SC61VC 157mm 136Mhz.da52:0.....	87

SPECIFIC ABSORPTION RATE (SAR)**Portable VHF Transceiver, M/N: IC-F52D-UL****FCC ID: AFJ395100**

File Name: ICOM-494Q Head FA-SC61VC 157mm 161.3Mhz.da52:0.....	88
File Name: ICOM-494Q Head FA-SC61VC 157mm 174Mhz.da52:0.....	89
File Name: ICOM-494Q Head FA-SC61VC 151mm 155Mhz.da52:0.....	90
File Name: ICOM-494Q Head FA-SC61VC 151mm 142.3Mhz.da52:0.....	91
File Name: ICOM-494Q Head FA-SC61VC 151mm 167.7Mhz.da52:0.....	92
File Name: ICOM-494Q Head FA-SC61VC 146mm 160Mhz.da52:0.....	93
File Name: ICOM-494Q Head FA-SC61VC 146mm 148.7Mhz.da52:0.....	94
File Name: ICOM-494Q Head FA-SC61VC 146mm 136Mhz.da52:0.....	95
File Name: ICOM-494Q Head FA-SC61VC 146mm 174Mhz.da52:0.....	96
File Name: ICOM-494Q Head FA-SC61VC 141mm 165Mhz.da52:0.....	97
File Name: ICOM-494Q Head FA-SC61VC 141mm 155Mhz.da52:0.....	98
File Name: ICOM-494Q Head FA-SC61VC 141mm 142.3Mhz.da52:0.....	99
File Name: ICOM-494Q Head FA-SC61VC 137mm 170Mhz.da52:0.....	100
File Name: ICOM-494Q Head FA-SC61VC 137mm 155Mhz.da52:0.....	101
File Name: ICOM-494Q Head FA-SC61VC 137mm 142.3Mhz.da52:0.....	102
File Name: ICOM-494Q Head FA-SC61VC 133mm 174Mhz.da52:0.....	103
File Name: ICOM-494Q Head FA-SC61VC 133mm 161.3Mhz.da52:0.....	104
File Name: ICOM-494Q Head FA-SC61VC 133mm 148.7Mhz.da52:0.....	105
File Name: ICOM-494Q Head FA-SC61VC 133mm 136Mhz.da52:0.....	106

EXHIBIT 1. PRESCAN MEASUREMENT SUMMARY

Battery BP-292UL 2010mAh with HM-184UL	Antenna	Power (W)	CH	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)
				(MHz)		
MB-136	FA-SC25V	5.15	1	136	0.561	0.423
MBB-3		5.15	1	136	1.06	0.792

MBB-3 Belt Clip resulted in the higher SAR values and will be used for Body SAR measurements.

File Name: ICOM-494Q Body FA-SC25V 136MHz MBB-3.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 61.845$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.26 V/m; Power Drift = -0.50 dB

Peak SAR (extrapolated) = 1.62 W/kg

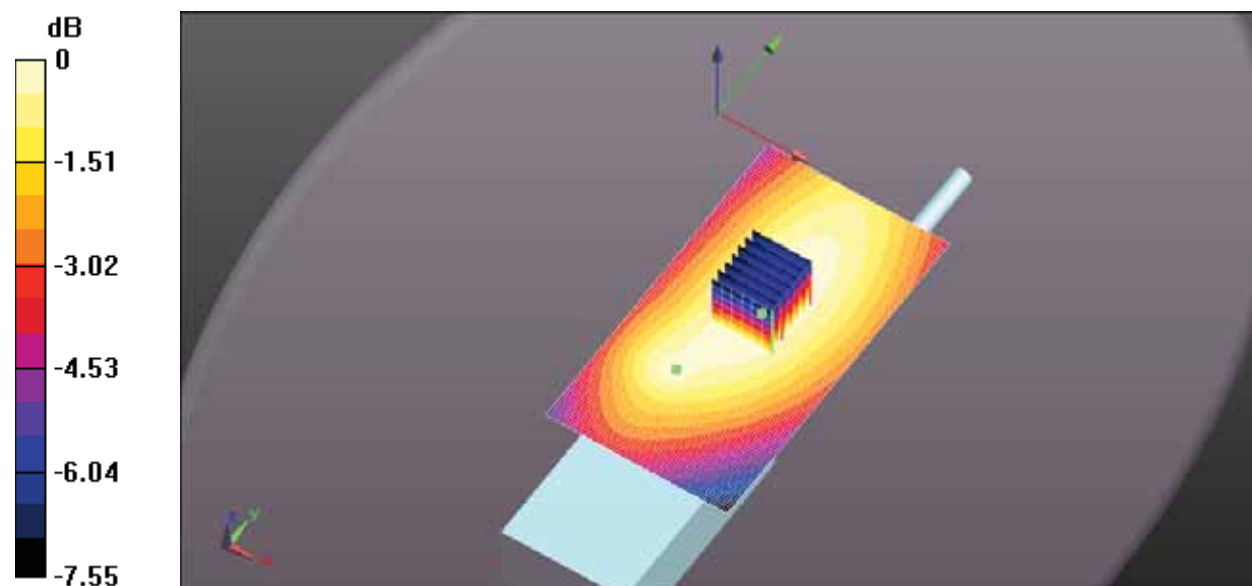
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.792 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.38 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.42 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

File Name: ICOM-494Q Body FA-SC25V 136MHz MB-136.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 61.845$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.03 V/m; Power Drift = -0.48 dB

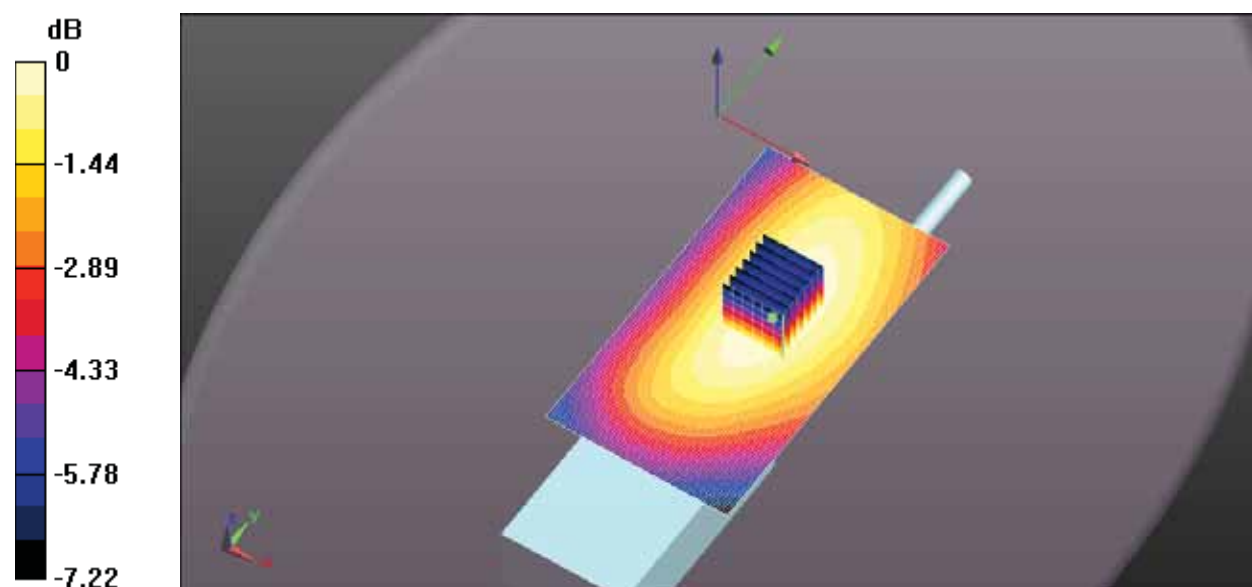
Peak SAR (extrapolated) = 0.857 W/kg

SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.423 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.729 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.728 W/kg



0 dB = 0.729 W/kg = -1.37 dBW/kg

EXHIBIT3. BODY SAR MEASUREMENTS – FIXED ANTENNA

Antenna	Power (W)	CH	CH. Freq (MHz)	BODY SAR1g (W/Kg)	Power Drift (dB)
				BP-292UL 2010mAh	
FA-SC25V 136-150 MHz	5.15	1	136	**	**
	5.15	4	143	0.158	-1.25
	5.15	9	150	**	**
FA-SC28V 148-162 MHz	5.17	7	148	**	**
	5.18	10	155	0.889	-1.37
	5.17	14	162	**	**
FA-SC29V 160-174 MHz	5.17	12	160	0.732	-0.01
	5.15	15	167	**	**
	5.09	18	174	0.516	-0.1
FA-SC62V 150-160 MHz	5.15	9	150	**	**
	5.18	10	155	0.635	0.55
	5.17	12	160	**	**
FA-SC63V 155-165 MHz	5.18	10	155	0.378	-0.48
	5.17	12	150	**	**
	5.17	20	165	0.947	-0.08
FA-SC27VS 142-150 MHz	5.17	3	142	**	**
	5.17	6	146	0.087	-0.73
	5.15	9	150	**	**
FA-SC56VS 150-162 MHz	5.15	9	150	**	**
	5.19	11	156	0.284	-3.46
	5.17	14	162	**	**
FA-SC57VS 160-174 MHz	5.17	12	160	0.340	0.01
	5.15	15	167	**	**
	5.09	18	174	0.074	-0.09
FA-SC26VS 136-144 MHz	5.15	1	136	**	**
	5.16	2	140	0.057	-0.4
	5.15	5	144	**	**

EXHIBIT 4. BODY SAR MEASUREMENTS – CUT ANTENNA

Antenna	Power (W)	CH	CH. Freq (MHz)	BODY SAR1g (W/Kg)	Power Drift (dB)
				BP-292UL 2010mAh	
FA-S61VC 136MHz 174mm	5.15	1	136	0.366	-1.17
	5.15	19	142.3	**	**
	5.16	8	148.7	0.182	-0.01
	5.18	10	155	**	**
	5.17	13	161.3	0.191	-3.82
	5.16	16	167.7	**	**
	5.09	18	174	0.046	0.01
FA-S61VC 140MHz 169mm	5.15	1	136	**	**
	5.16	2	140	0.077	-0.72
	5.16	8	148.7	**	**
	5.18	10	155	0.580	-3.64
	5.17	13	161.3	**	**
	5.16	16	167.7	0.076	0.01
	5.09	18	174	**	**
FA-S61VC 145MHz 163mm	5.15	1	136	0.448	-0.75
	5.15	19	142.3	**	**
	5.12	21	145	0.199	-0.87
	5.18	10	155	**	**
	5.17	13	161.3	0.302	-3.48
	5.16	16	167.7	**	**
	5.09	18	174	0.081	-0.03
FA-S61VC 150MHz 157mm	5.15	1	136	0.316	-0.65
	5.15	19	142.3	**	**
	5.15	9	150	0.491	0.69
	5.18	10	155	**	**
	5.17	13	161.3	0.493	-0.17
	5.16	16	167.7	**	**
	5.09	18	174	0.115	-0.02
FA-S61VC 155MHz 151mm	5.15	1	136	**	**
	5.15	19	142.3	0.252	-1.32
	5.16	8	148.7	**	**
	5.18	10	155	0.444	0.5
	5.17	13	161.3	**	**
	5.16	16	167.7	1.069	-0.1
	5.09	18	174	**	**

SPECIFIC ABSORPTION RATE (SAR)

Portable VHF Transceiver, M/N: IC-F52D-UL

FCC ID: AFJ395100

Antenna	Power (W)	CH	CH. Freq (MHz)	BODY SAR1g (W/Kg)	Power Drift (dB)
				BP-292UL 2010mAh	
FA-S61VC 160MHz 146mm	5.15	1	136	0.176	-0.6
	5.15	19	142.3	**	**
	5.16	8	148.7	0.243	-0.74
	5.18	10	155	**	**
	5.17	12	160	0.610	0
	5.16	16	167.7	**	**
	5.09	18	174	0.321	-0.21
FA-S61VC 165MHz 141mm	5.15	1	136	**	**
	5.15	19	142.3	0.212	-0.51
	5.16	8	148.7	**	**
	5.18	10	155	0.353	-4.5
	5.17	13	161.3	**	**
	5.17	20	165	0.562	-0.18
	5.09	18	174	**	**
FA-S61VC 170MHz 137mm	5.15	1	136	**	**
	5.15	19	142.3	0.209	-0.4
	5.16	8	148.7	**	**
	5.18	10	155	0.260	0.29
	5.17	13	161.3	**	**
	5.06	22	170	0.733	-0.39
	5.09	18	174	**	**
FA-S61VC 175MHz 133mm	5.15	1	136	0.053	-0.2
	5.15	19	142.3	**	**
	5.16	8	148.7	0.197	0.09
	5.18	10	155	**	**
	5.17	13	161.3	0.214	0.02
	5.16	16	167.7	**	**
	5.09	18	174	0.892	-1.5

File Name: ICOM-494Q Body FA-SC25V 143MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 143 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 143$ MHz; $\sigma = 0.777$ S/m; $\epsilon_r = 61.464$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.49 V/m; Power Drift = -1.25 dB

Peak SAR (extrapolated) = 0.583 W/kg

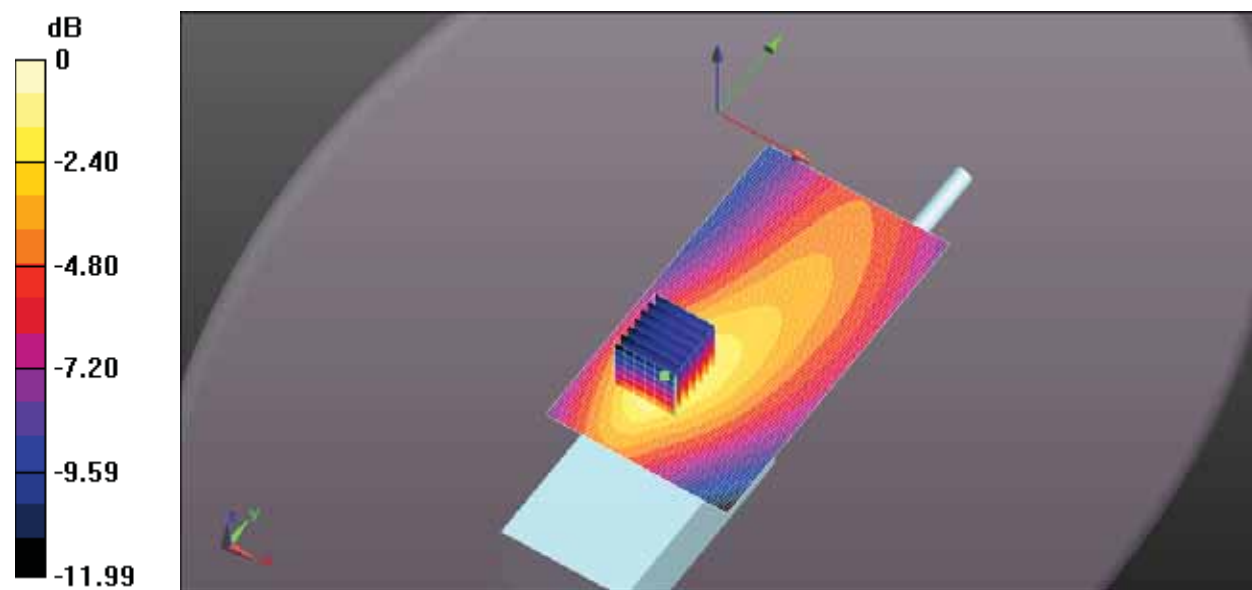
SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.154 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.414 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.369 W/kg



0 dB = 0.414 W/kg = -3.83 dBW/kg

File Name: ICOM-494Q Body FA-SC28V 155MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.785$ S/m; $\epsilon_r = 61.092$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 46.59 V/m; Power Drift = -1.38 dB

Peak SAR (extrapolated) = 2.99 W/kg

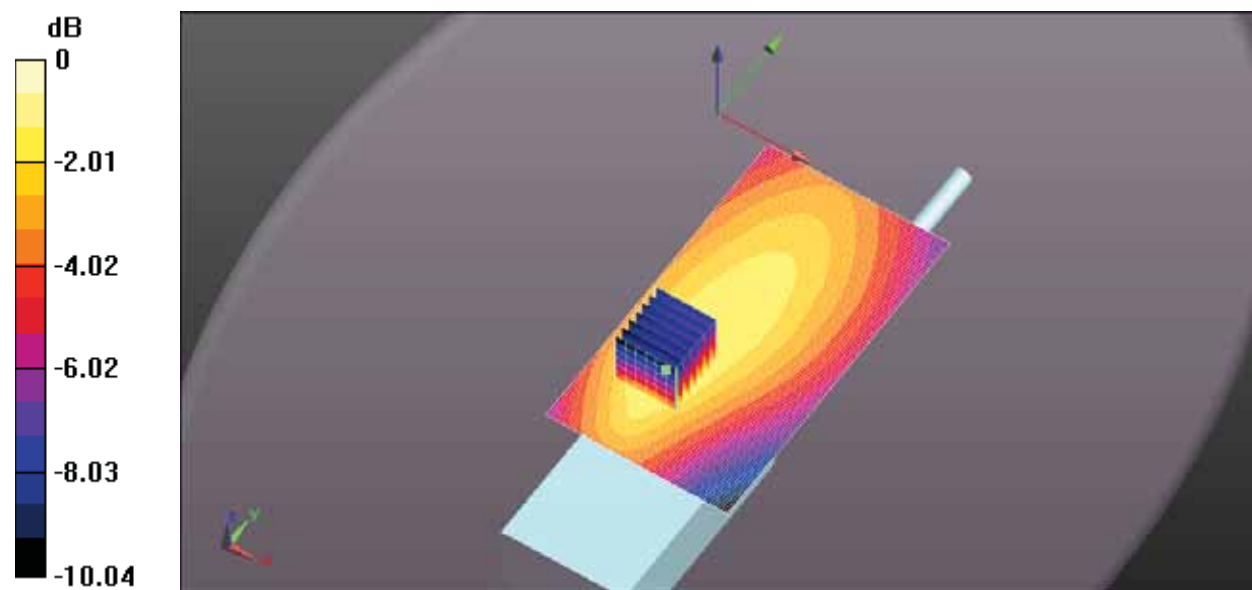
SAR(1 g) = 1.4 W/kg; SAR(10 g) = 0.918 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 2.13 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 2.14 W/kg



0 dB = 2.13 W/kg = 3.29 dBW/kg

File Name: ICOM-494Q Body FA-SC29V 160MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 160 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 160$ MHz; $\sigma = 0.787$ S/m; $\epsilon_r = 61.081$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 43.43 V/m; Power Drift = -0.01 dB

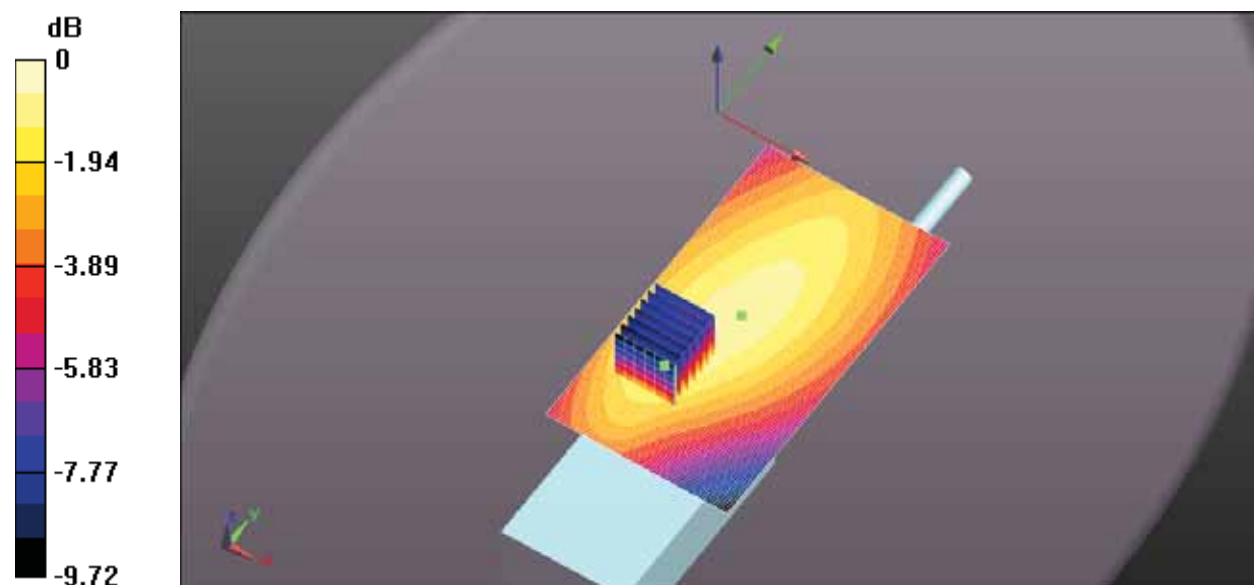
Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 1.46 W/kg; SAR(10 g) = 0.983 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.21 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.04 W/kg



0 dB = 2.21 W/kg = 3.45 dBW/kg

File Name: ICOM-494Q Body FA-SC29V 174MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.793$ S/m; $\epsilon_r = 60.775$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.51 V/m; Power Drift = -0.10 dB

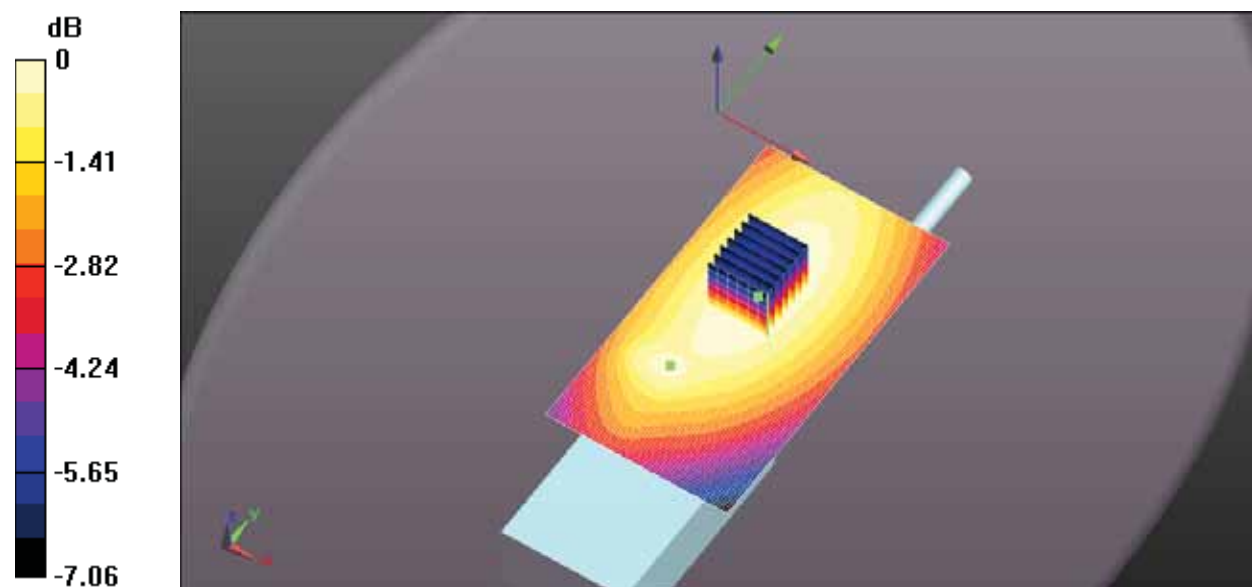
Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.761 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.30 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.30 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

File Name: ICOM-494Q Body FA-SC62V 155MHz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.785$ S/m; $\epsilon_r = 61.092$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan**(7x7x7) (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.09 V/m; Power Drift = 0.55 dB

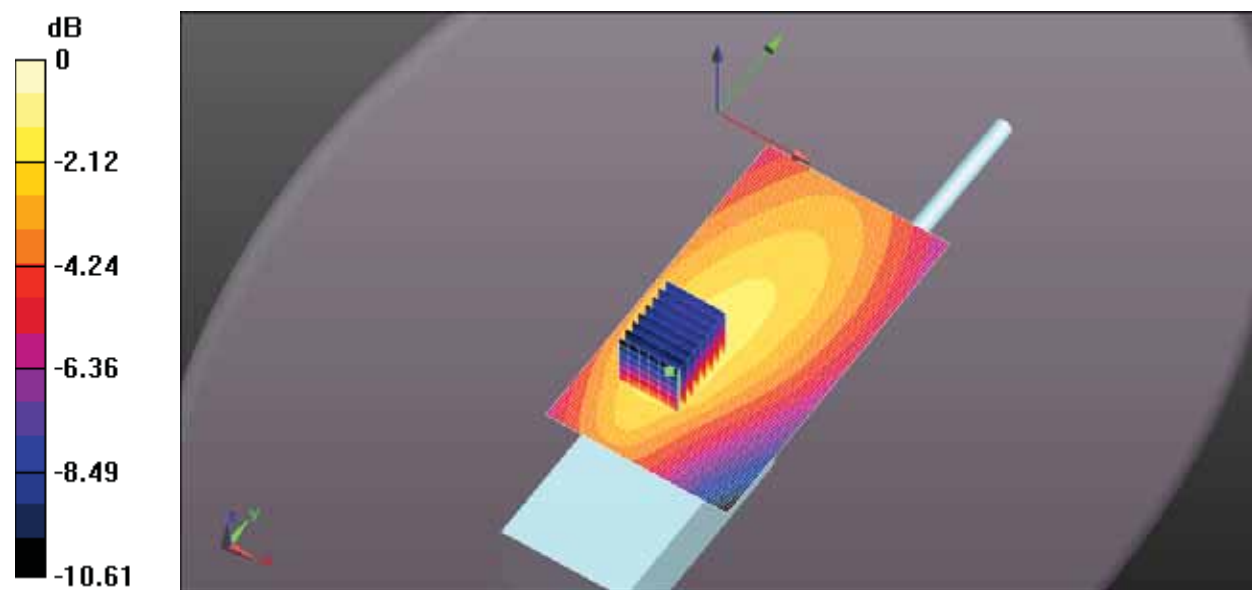
Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.810 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.07 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan**(61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 1.91 W/kg



0 dB = 2.07 W/kg = 3.16 dBW/kg

File Name: ICOM-494Q Body FA-SC63V 155MHz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.785$ S/m; $\epsilon_r = 61.092$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan**(7x7x7) (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.80 V/m; Power Drift = -0.48 dB

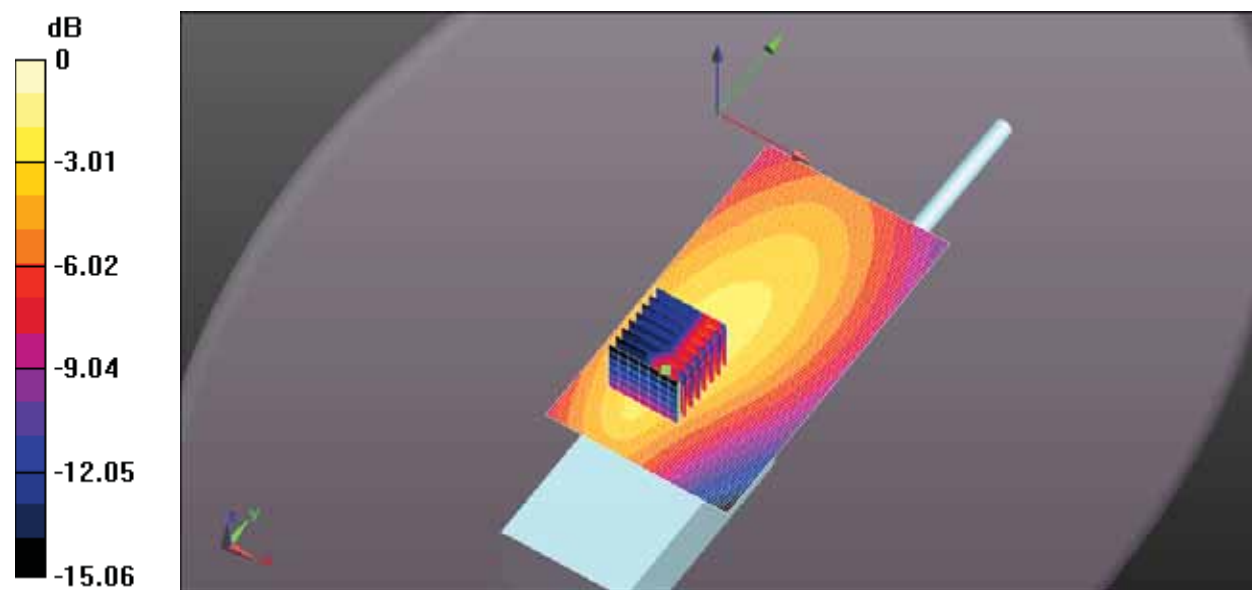
Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.684 W/kg; SAR(10 g) = 0.335 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.03 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan**(61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 1.34 W/kg



0 dB = 1.03 W/kg = 0.11 dBW/kg

File Name: ICOM-494Q Body FA-SC63V 165MHz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW; Frequency: 165 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 165$ MHz; $\sigma = 0.789$ S/m; $\epsilon_r = 60.923$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan**(7x7x7) (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.21 V/m; Power Drift = -0.08 dB

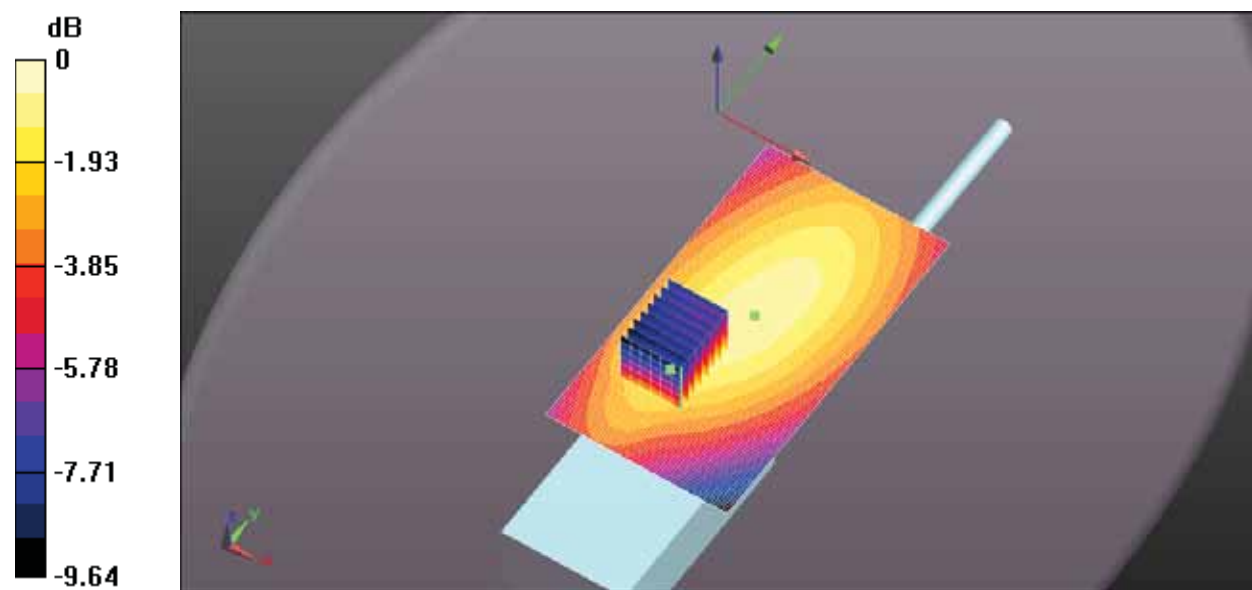
Peak SAR (extrapolated) = 3.83 W/kg

SAR(1 g) = 1.86 W/kg; SAR(10 g) = 1.29 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 2.79 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan**(61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.80 W/kg



0 dB = 2.79 W/kg = 4.46 dBW/kg

File Name: ICOM-494Q Body FA-SC27VS 146MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 146 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 146 \text{ MHz}$; $\sigma = 0.779 \text{ S/m}$; $\epsilon_r = 61.476$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.31 V/m; Power Drift = -0.73 dB

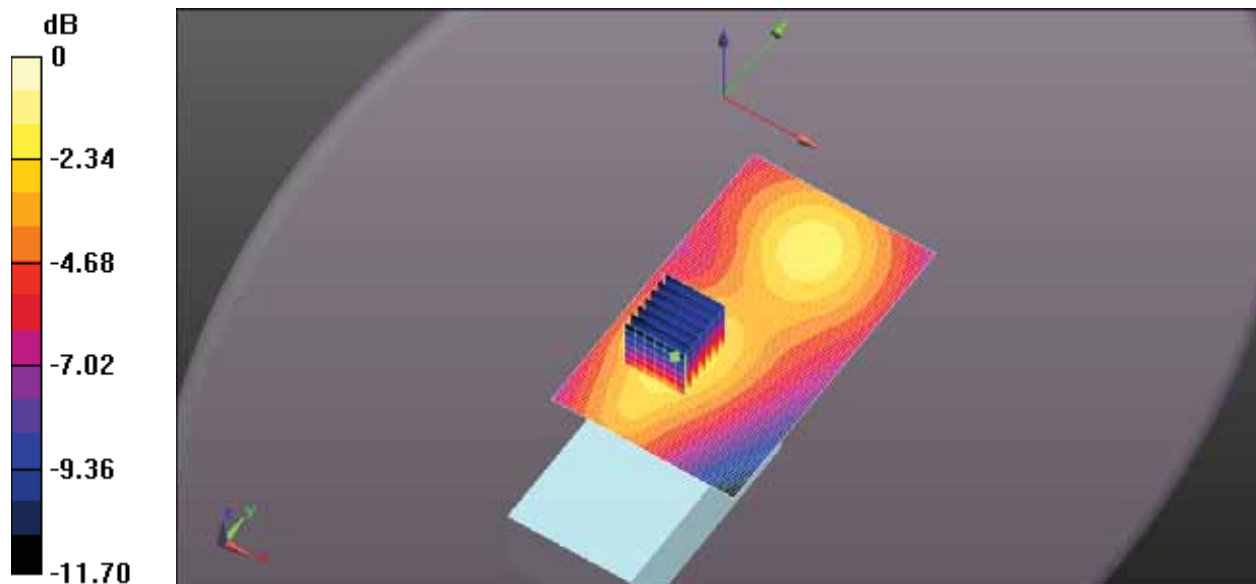
Peak SAR (extrapolated) = 0.353 W/kg

SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.090 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.244 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.252 W/kg



0 dB = 0.244 W/kg = -6.13 dBW/kg

File Name: ICOM-494Q Body FA-SC26VS 140MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 140 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 140$ MHz; $\sigma = 0.775$ S/m; $\epsilon_r = 61.722$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.659 V/m; Power Drift = -0.40 dB

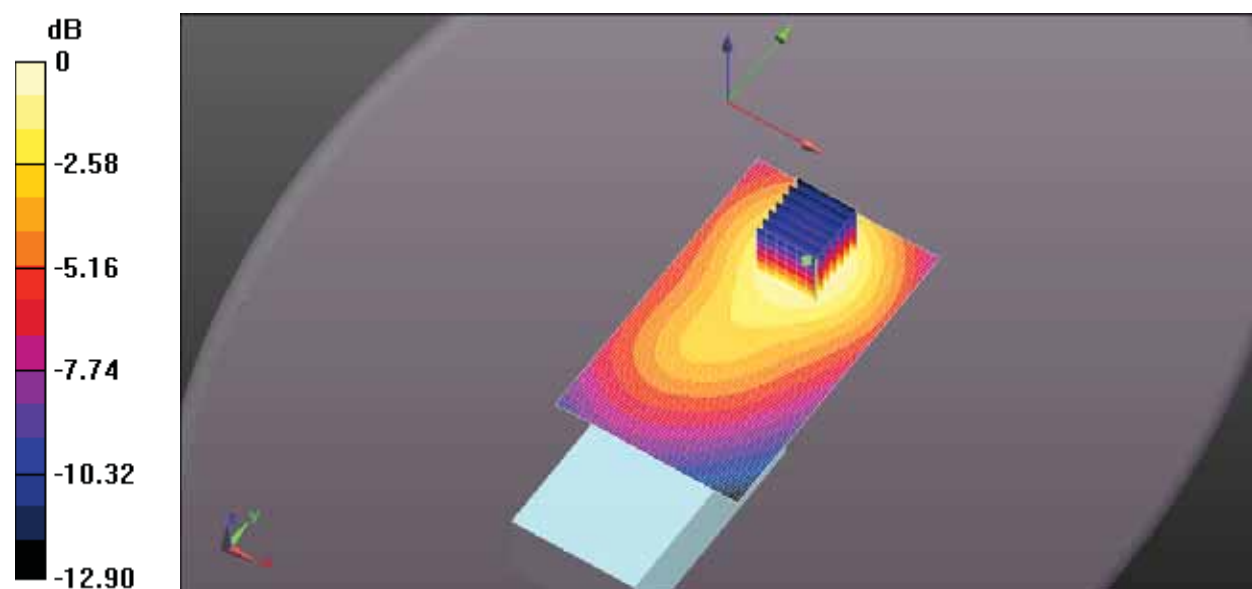
Peak SAR (extrapolated) = 0.237 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.066 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.166 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.173 W/kg



0 dB = 0.166 W/kg = -7.79 dBW/kg

File Name: ICOM-494Q Body FA-SC56VS 156MHz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW; Frequency: 156 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 156$ MHz; $\sigma = 0.786$ S/m; $\epsilon_r = 61.102$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.41 V/m; Power Drift = -3.46 dB

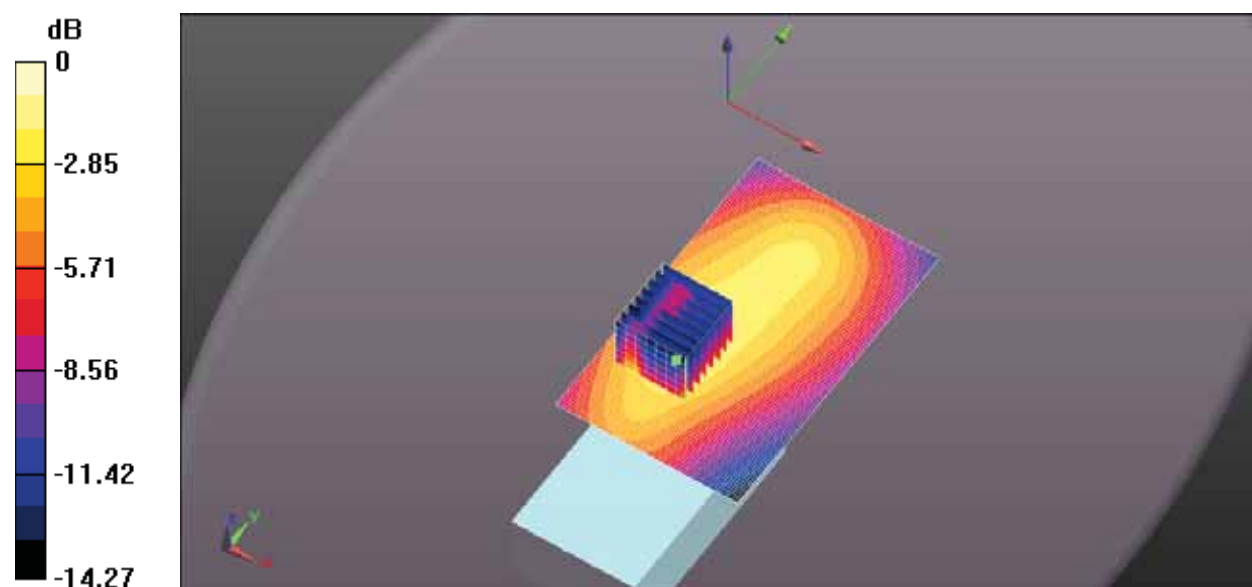
Peak SAR (extrapolated) = 0.925 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.177 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.632 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.657 W/kg



0 dB = 0.632 W/kg = -1.99 dBW/kg

File Name: ICOM-494Q Body FA-SC57VS 160MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 160 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 160$ MHz; $\sigma = 0.787$ S/m; $\epsilon_r = 61.081$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.72 V/m; Power Drift = 0.01 dB

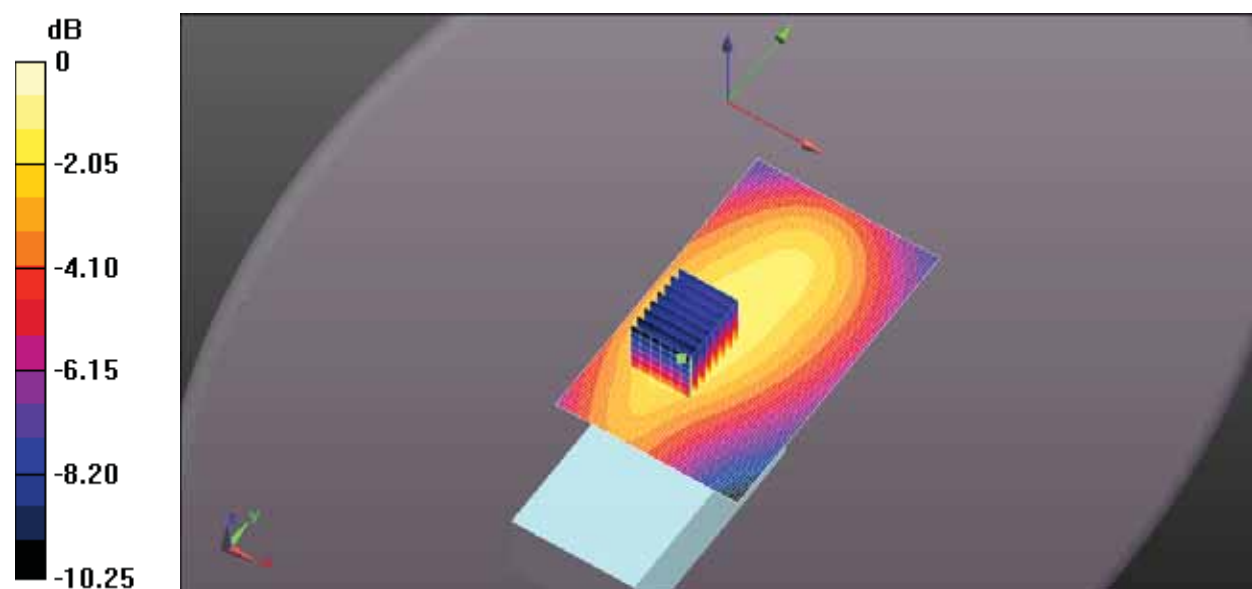
Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.446 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.05 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.03 W/kg



0 dB = 1.05 W/kg = 0.20 dBW/kg

File Name: ICOM-494Q Body FA-SC57VS 174MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.793$ S/m; $\epsilon_r = 60.775$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (9x14x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.57 V/m; Power Drift = -0.09 dB

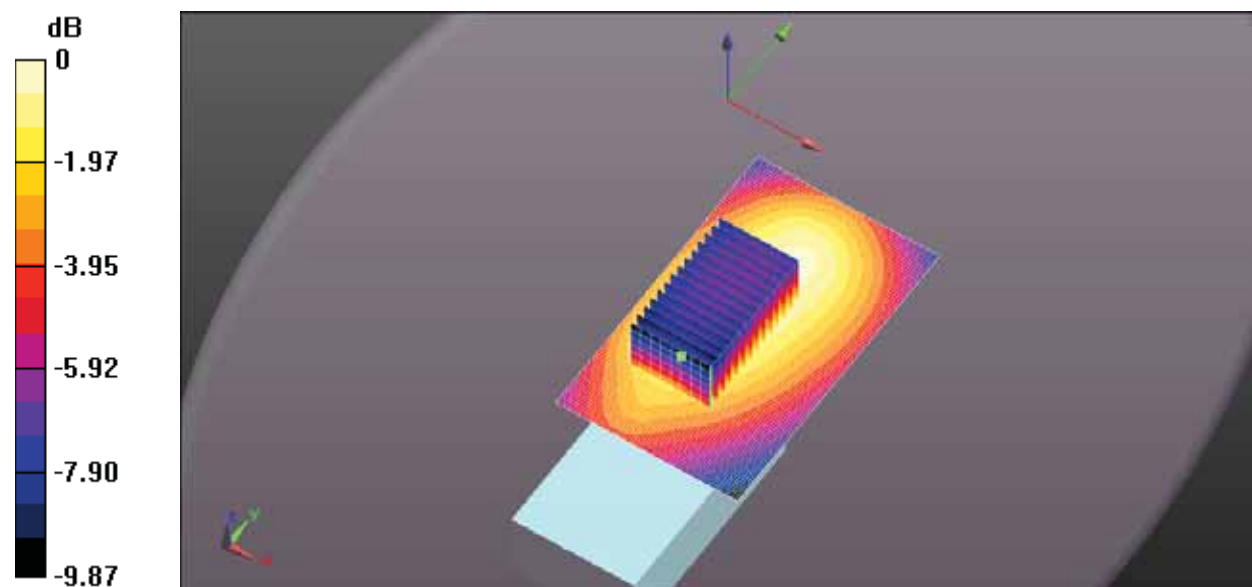
Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.107 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.208 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.214 W/kg



0 dB = 0.208 W/kg = -6.82 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 174mm 136Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 61.845$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.00 V/m; Power Drift = -1.17 dB

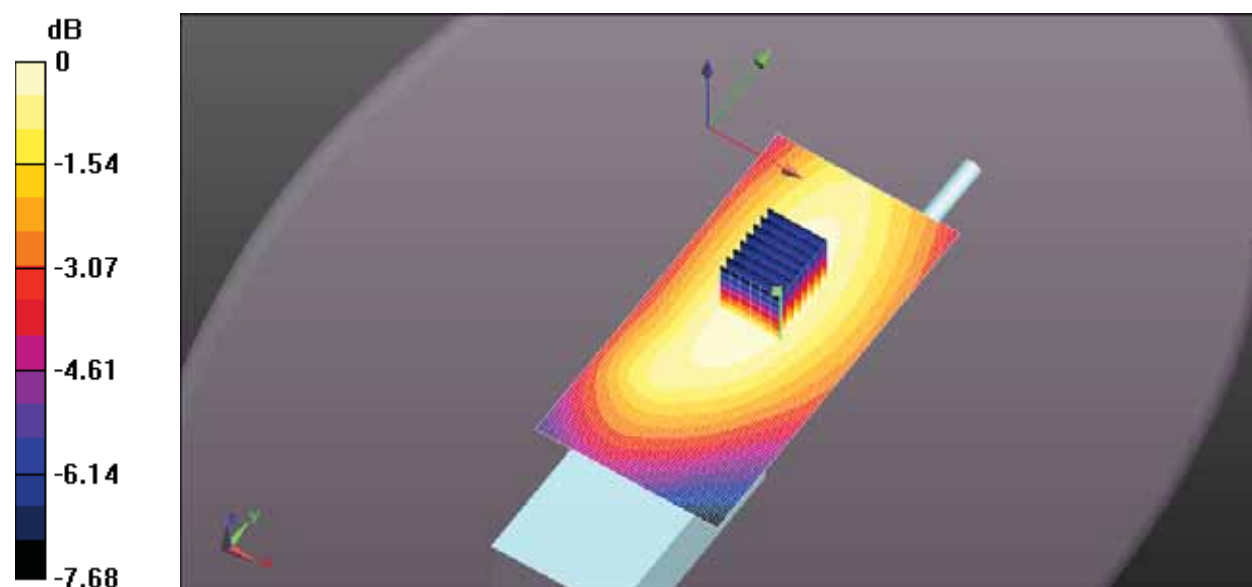
Peak SAR (extrapolated) = 0.912 W/kg

SAR(1 g) = 0.592 W/kg; SAR(10 g) = 0.440 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.772 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.827 W/kg



0 dB = 0.772 W/kg = -1.13 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 174mm 148.7Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 148.7 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 148.7$ MHz; $\sigma = 0.781$ S/m; $\epsilon_r = 61.396$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.02 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.853 W/kg

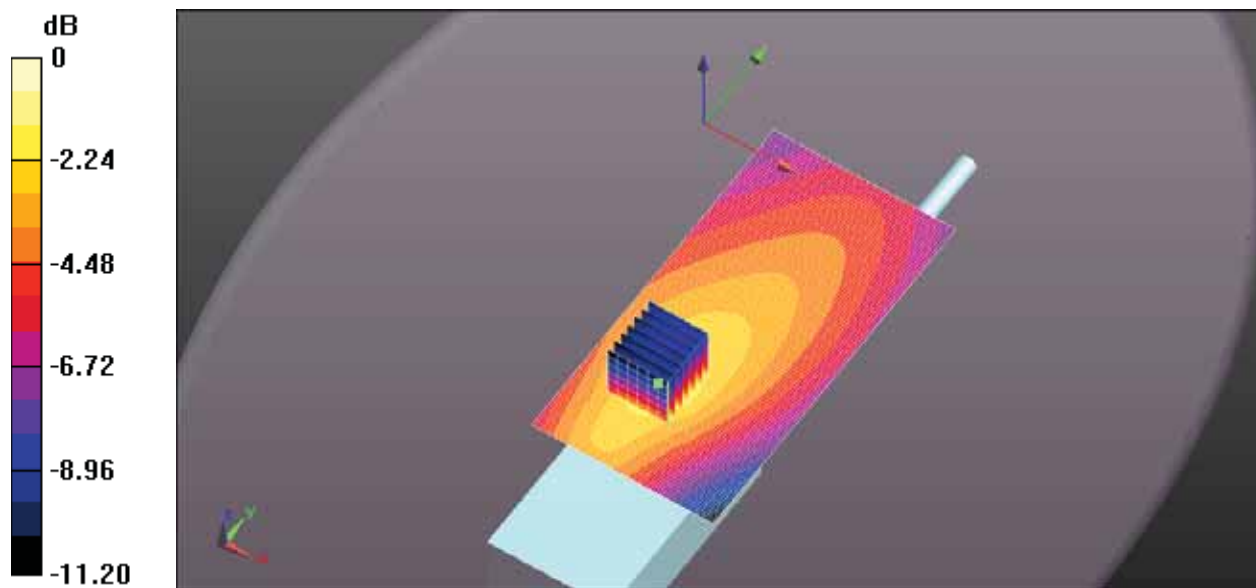
SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.223 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.589 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.630 W/kg



0 dB = 0.589 W/kg = -2.30 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 174mm 161.3Mhz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW; Frequency: 161.3 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 162$ MHz; $\sigma = 0.788$ S/m; $\epsilon_r = 60.996$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (9x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.71 V/m; Power Drift = -3.82 dB

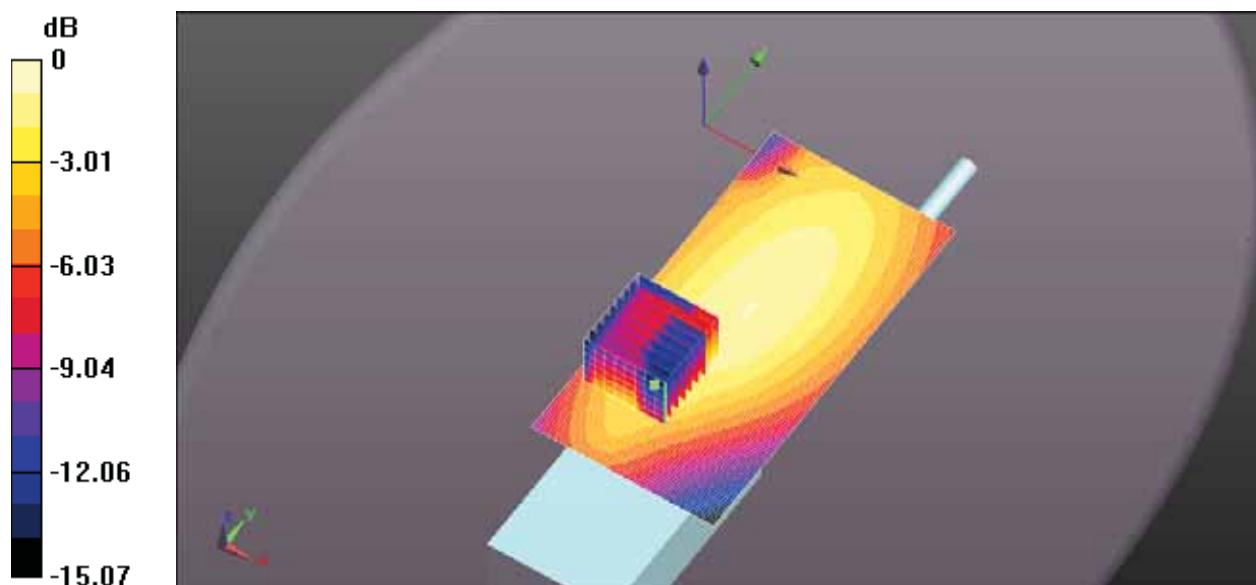
Peak SAR (extrapolated) = 0.570 W/kg

SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.147 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.395 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.397 W/kg



0 dB = 0.395 W/kg = -4.03 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 174mm 174Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.793$ S/m; $\epsilon_r = 60.775$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.303 V/m; Power Drift = 0.01 dB

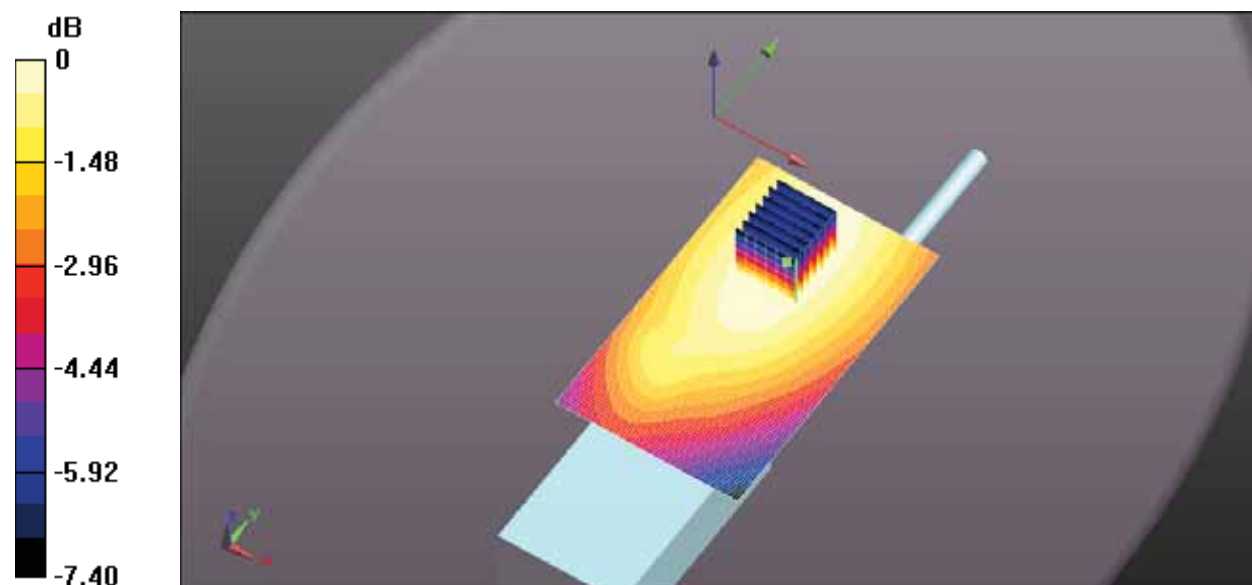
Peak SAR (extrapolated) = 0.139 W/kg

SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.068 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.118 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.118 W/kg



0 dB = 0.118 W/kg = -9.27 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 169mm 140Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 140 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 140$ MHz; $\sigma = 0.775$ S/m; $\epsilon_r = 61.722$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.10 V/m; Power Drift = -0.72 dB

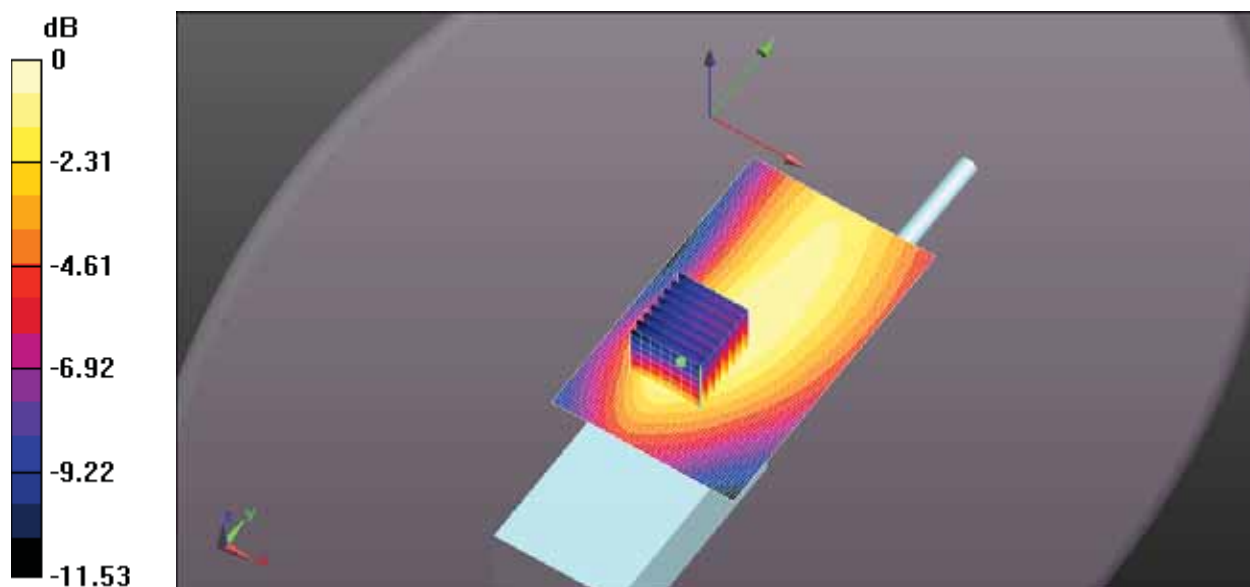
Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.089 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.199 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.203 W/kg



0 dB = 0.199 W/kg = -7.02 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 169mm 155Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.785$ S/m; $\epsilon_r = 61.092$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.77 V/m; Power Drift = -3.64 dB

Peak SAR (extrapolated) = 1.82 W/kg

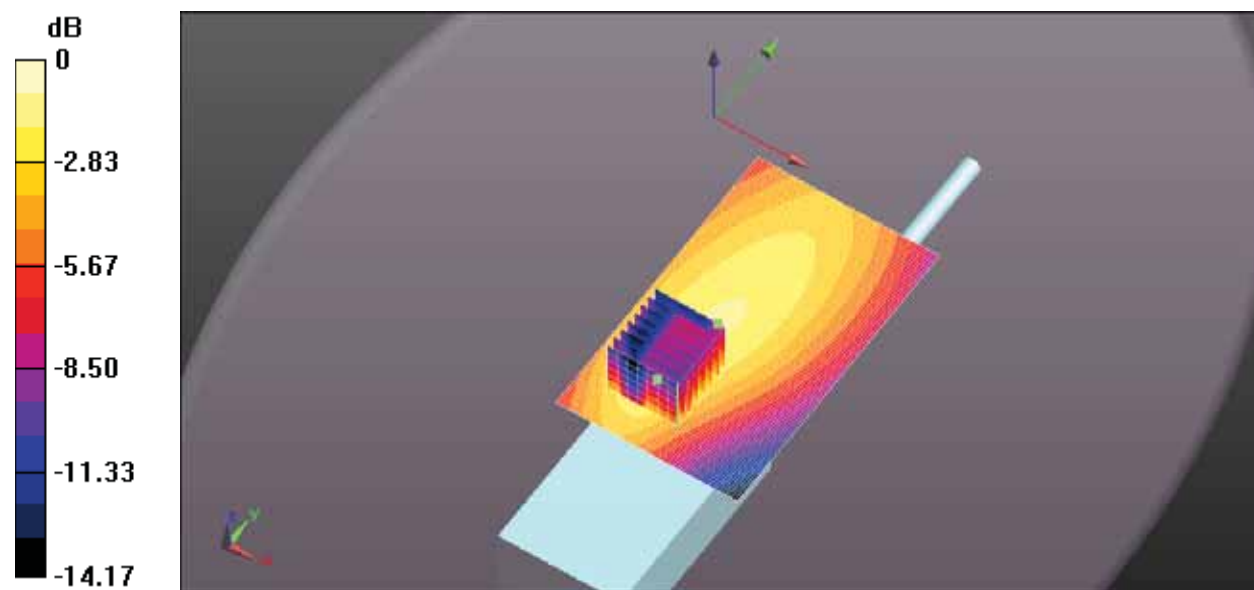
SAR(1 g) = 0.740 W/kg; SAR(10 g) = 0.451 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 1.23 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 1.07 W/kg



0 dB = 1.23 W/kg = 0.91 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 169mm 167.7Mhz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW; Frequency: 167.7 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 168$ MHz; $\sigma = 0.79$ S/m; $\epsilon_r = 60.798$; $\rho = 1000$ kg/m³; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.88 V/m; Power Drift = 0.01 dB

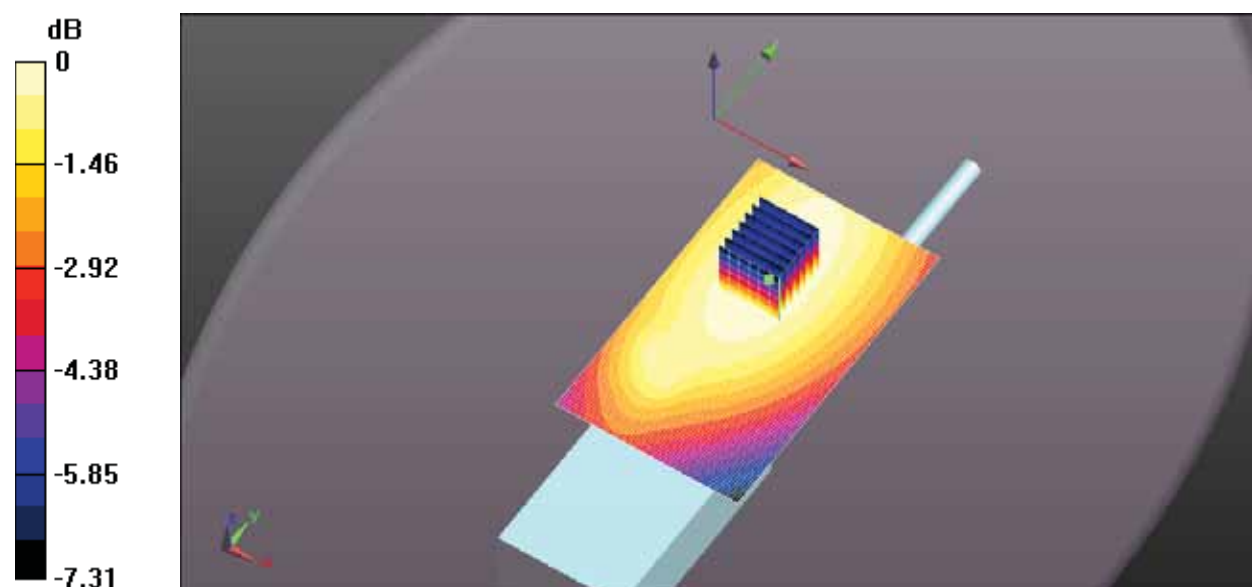
Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.152 W/kg; SAR(10 g) = 0.114 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.197 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.197 W/kg



0 dB = 0.197 W/kg = -7.06 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 163mm 145Mhz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW; Frequency: 145 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 145$ MHz; $\sigma = 0.778$ S/m; $\epsilon_r = 61.333$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan**(7x7x7) (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.24 V/m; Power Drift = -0.88 dB

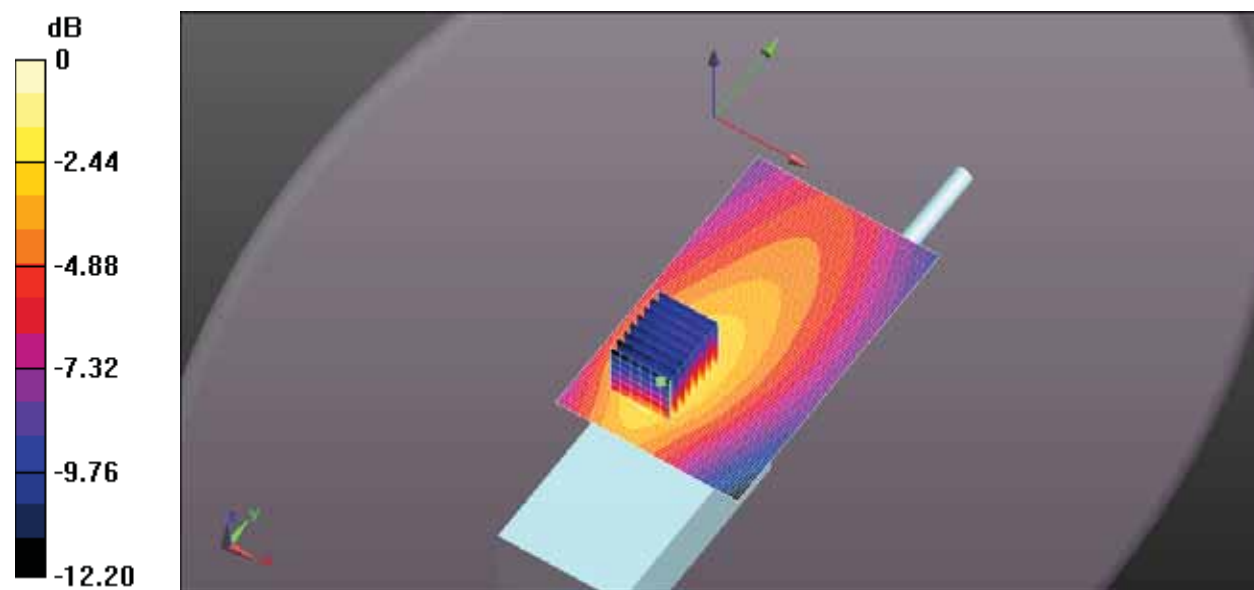
Peak SAR (extrapolated) = 0.822 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.203 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.561 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan**(61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.544 W/kg



0 dB = 0.561 W/kg = -2.51 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 163mm 136Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 61.845$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.94 V/m; Power Drift = -0.75 dB

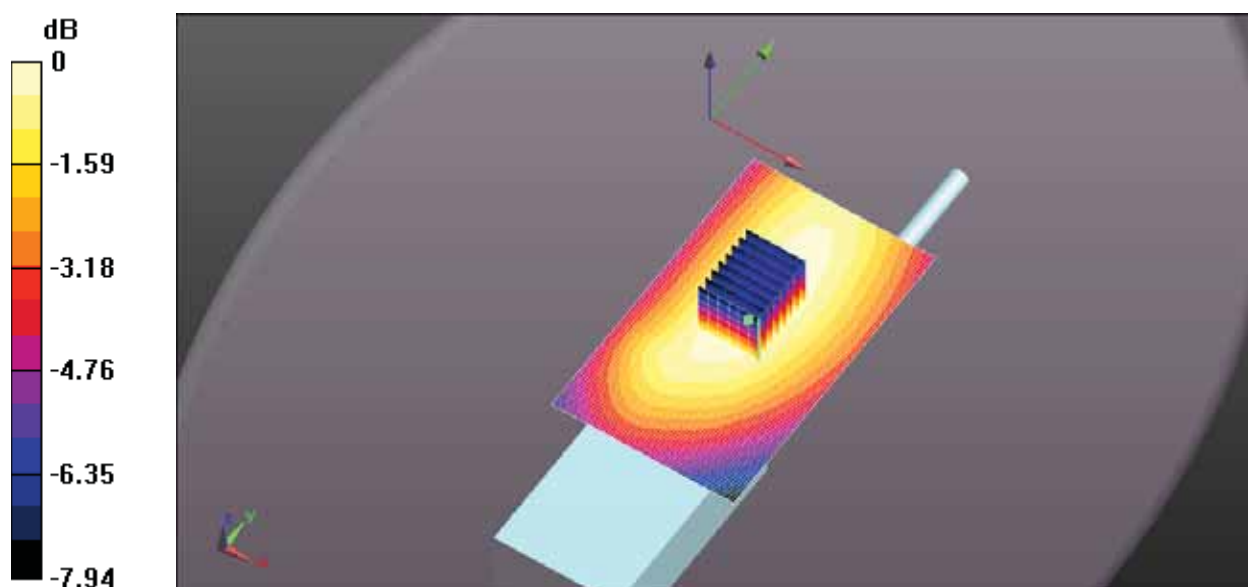
Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.773 W/kg; SAR(10 g) = 0.572 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.01 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.08 W/kg



0 dB = 1.01 W/kg = 0.06 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 163mm 161.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 161.3 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 162 \text{ MHz}$; $\sigma = 0.788 \text{ S/m}$; $\epsilon_r = 60.996$; $\rho = 1000 \text{ kg/m}^3$; Phantom
 section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (9x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.55 V/m; Power Drift = -3.48 dB

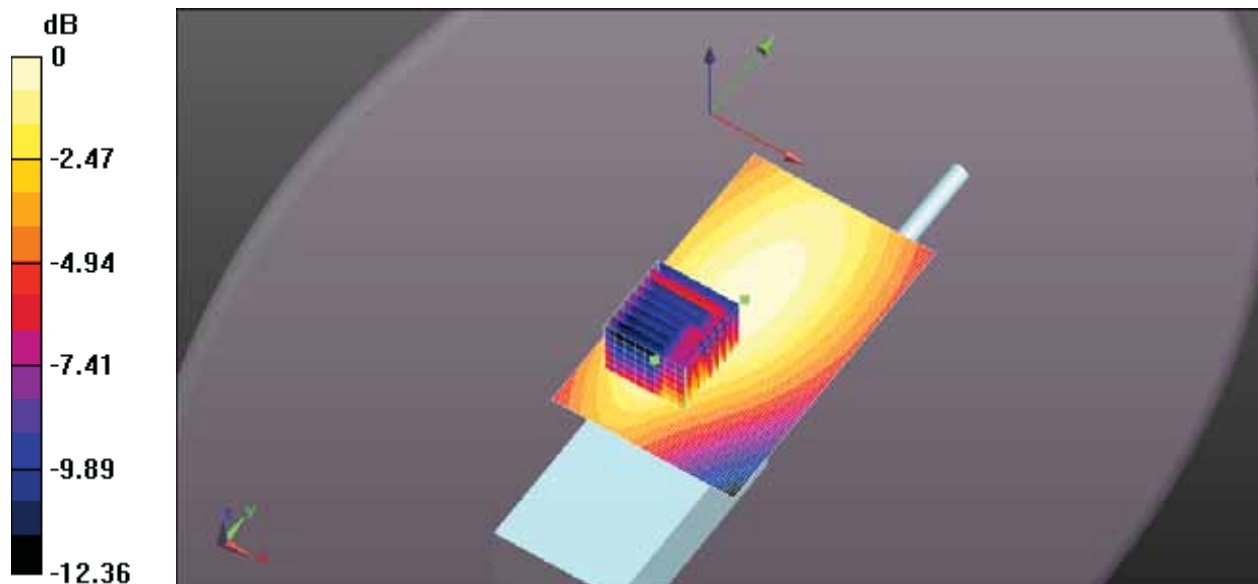
Peak SAR (extrapolated) = 0.725 W/kg

SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.238 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.603 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.672 W/kg



0 dB = 0.603 W/kg = -2.19 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 163mm 174Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.793$ S/m; $\epsilon_r = 60.775$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.80 V/m; Power Drift = -0.03 dB

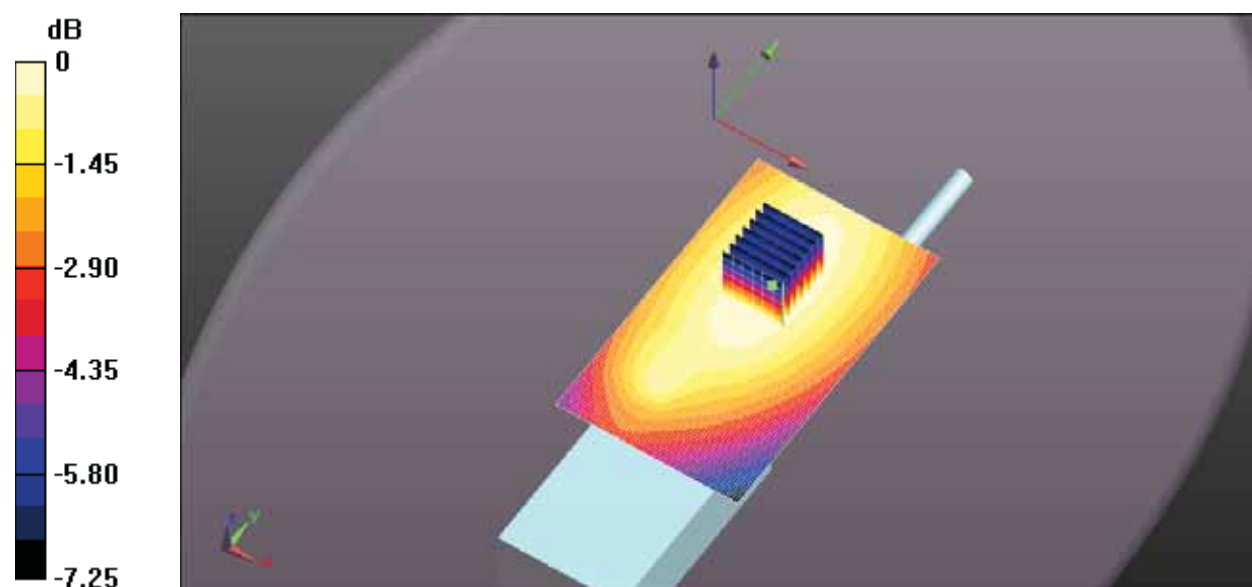
Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.120 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.207 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.209 W/kg



0 dB = 0.207 W/kg = -6.84 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 157mm 150Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 150 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 150$ MHz; $\sigma = 0.783$ S/m; $\epsilon_r = 61.379$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.94 V/m; Power Drift = 0.69 dB

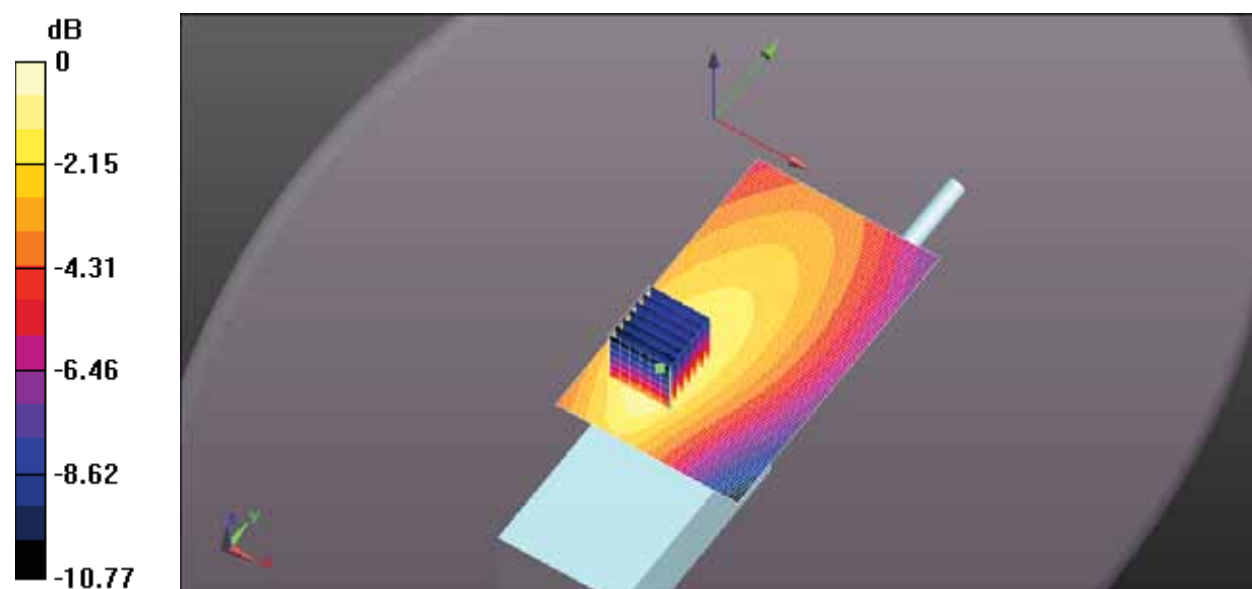
Peak SAR (extrapolated) = 2.22 W/kg

SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.610 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.54 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.20 W/kg



0 dB = 1.54 W/kg = 1.88 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 157mm 136Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 61.845$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.29 V/m; Power Drift = -0.65 dB

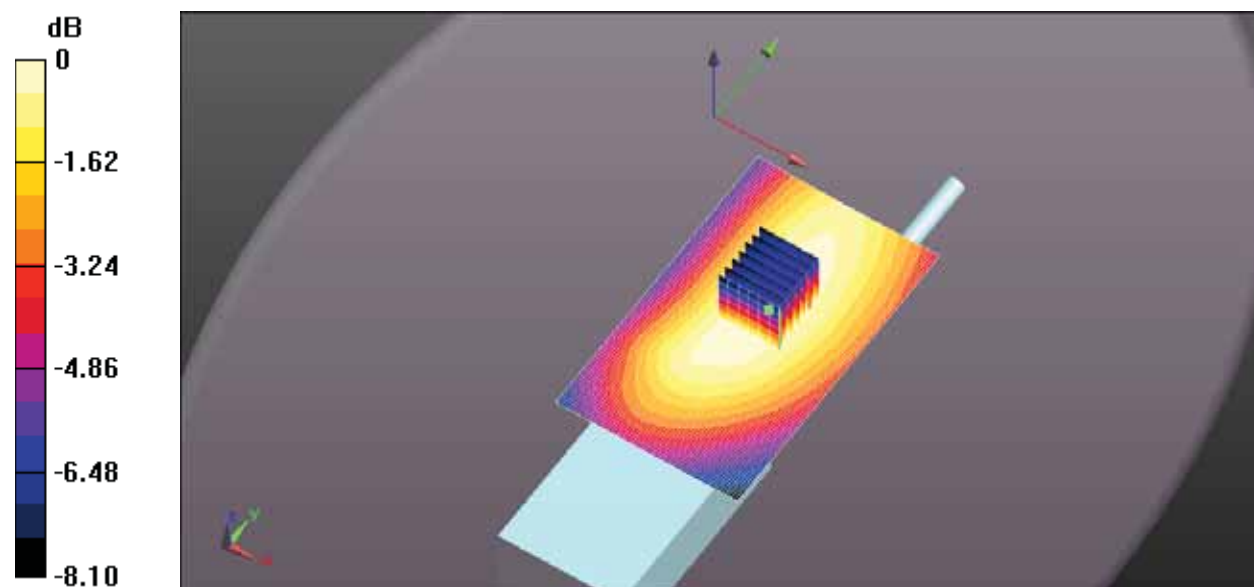
Peak SAR (extrapolated) = 0.869 W/kg

SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.409 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.734 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.786 W/kg



0 dB = 0.734 W/kg = -1.35 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 157mm 161.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 161.3 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 162 \text{ MHz}$; $\sigma = 0.788 \text{ S/m}$; $\epsilon_r = 60.996$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.76 V/m; Power Drift = -0.17 dB

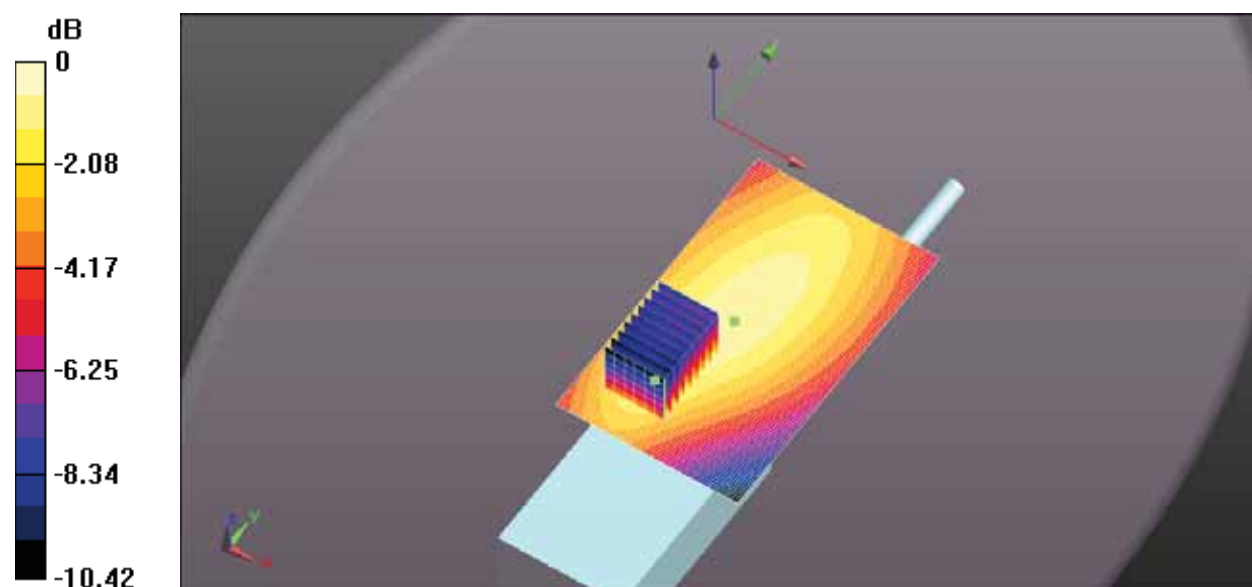
Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.949 W/kg; SAR(10 g) = 0.631 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.46 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.31 W/kg



0 dB = 1.46 W/kg = 1.65 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 157mm 174Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.793$ S/m; $\epsilon_r = 60.775$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.05 V/m; Power Drift = -0.02 dB

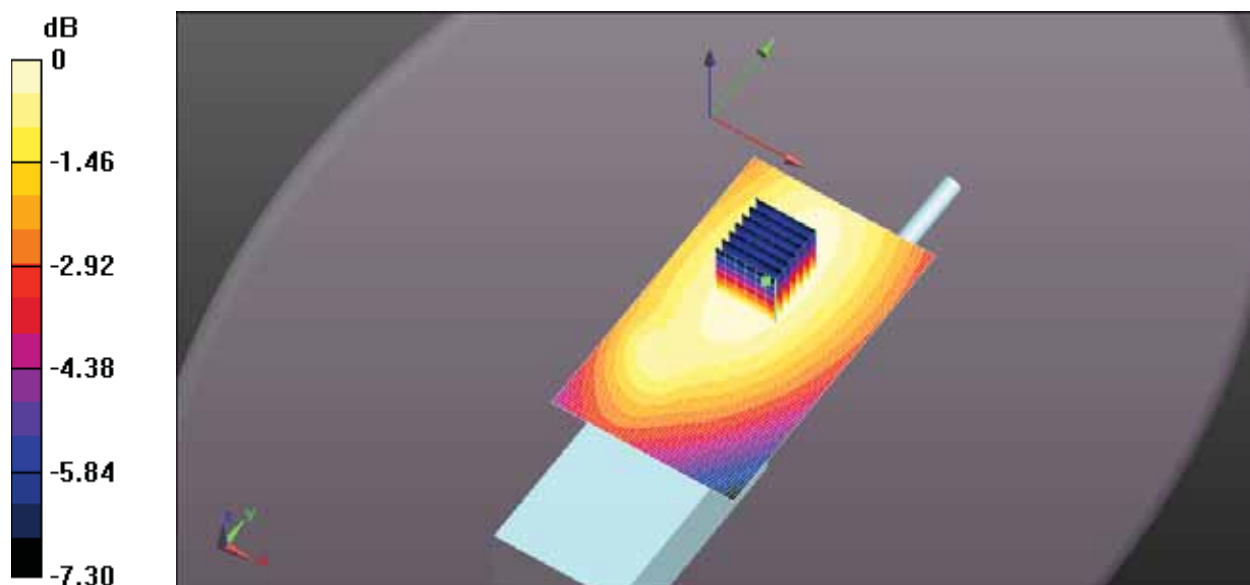
Peak SAR (extrapolated) = 0.347 W/kg

SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.171 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.296 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.298 W/kg



0 dB = 0.296 W/kg = -5.28 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 151mm 155Mhz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.785$ S/m; $\epsilon_r = 61.092$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan**(7x7x7) (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.44 V/m; Power Drift = 0.50 dB

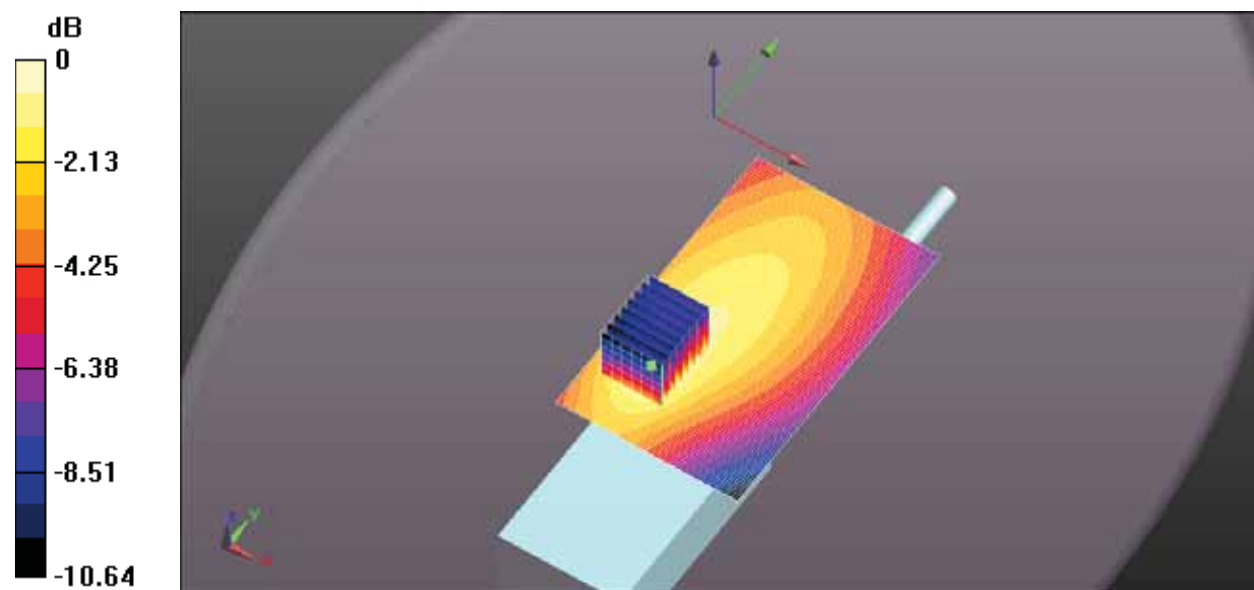
Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.887 W/kg; SAR(10 g) = 0.570 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 1.40 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan**(61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 1.17 W/kg



0 dB = 1.40 W/kg = 1.47 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 151mm 142.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 142.3 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 142.3$ MHz; $\sigma = 0.777$ S/m; $\epsilon_r = 61.657$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.00 V/m; Power Drift = -1.32 dB

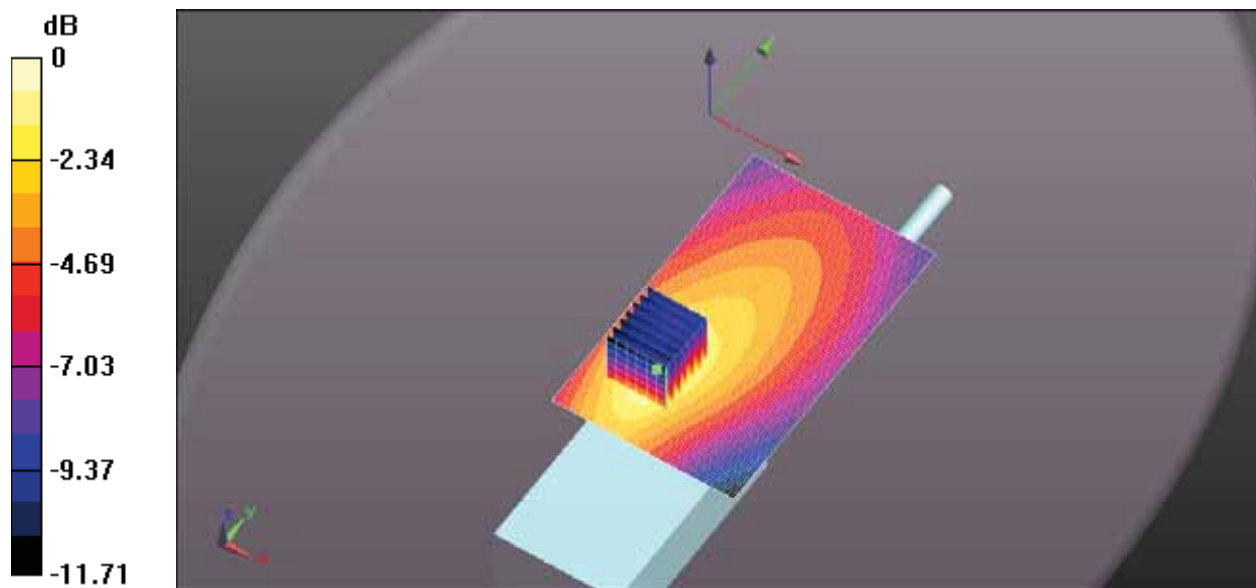
Peak SAR (extrapolated) = 0.957 W/kg

SAR(1 g) = 0.400 W/kg; SAR(10 g) = 0.242 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.664 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.561 W/kg



0 dB = 0.664 W/kg = -1.78 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 151mm 167.7Mhz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW; Frequency: 167.7 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 168$ MHz; $\sigma = 0.79$ S/m; $\epsilon_r = 60.798$; $\rho = 1000$ kg/m³; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 53.47 V/m; Power Drift = -0.10 dB

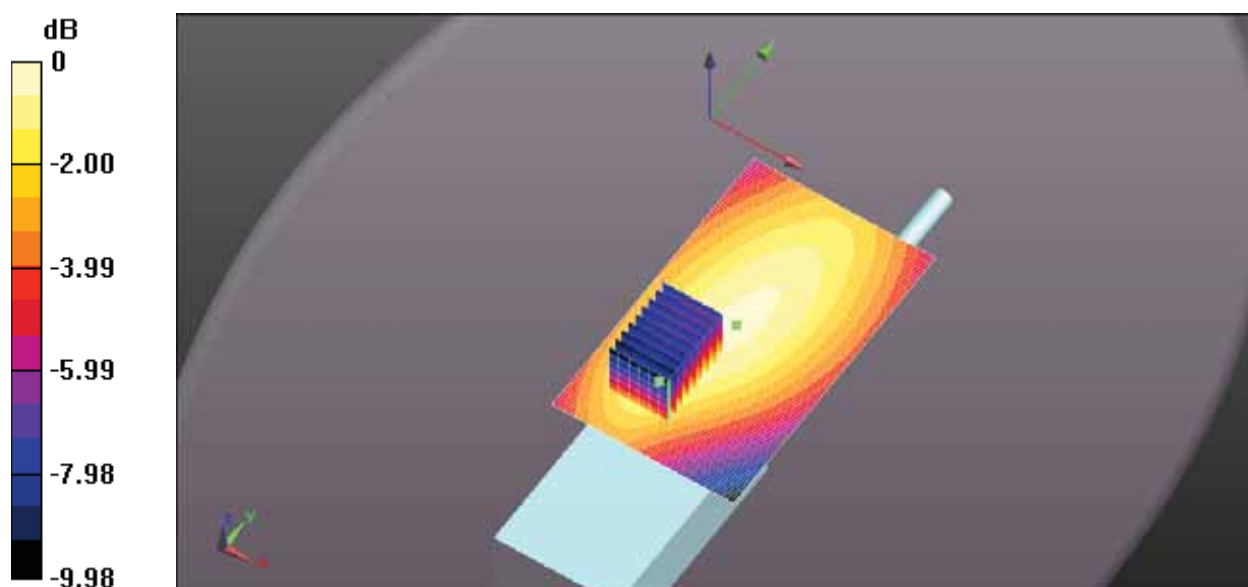
Peak SAR (extrapolated) = 4.15 W/kg

SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.43 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.13 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.77 W/kg



0 dB = 3.13 W/kg = 4.95 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 146mm 160Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 160 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 160$ MHz; $\sigma = 0.787$ S/m; $\epsilon_r = 61.081$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.01 V/m; Power Drift = -0.00 dB

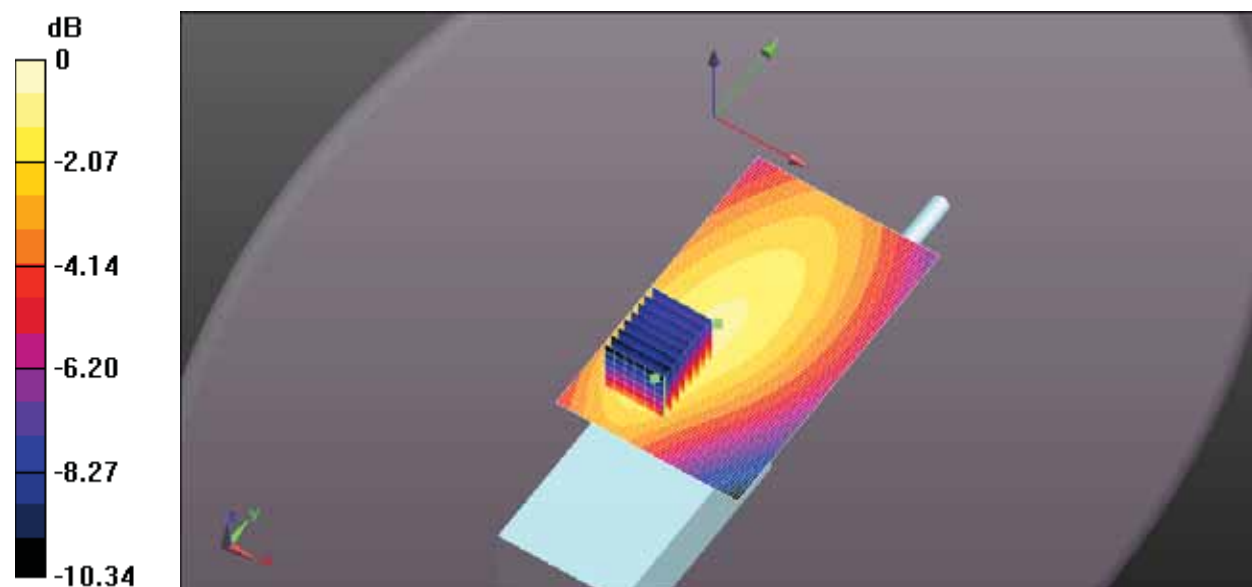
Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.799 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.88 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.70 W/kg



0 dB = 1.88 W/kg = 2.74 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 146mm 148.7Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 148.7 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 148.7$ MHz; $\sigma = 0.781$ S/m; $\epsilon_r = 61.396$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.68 V/m; Power Drift = -0.74 dB

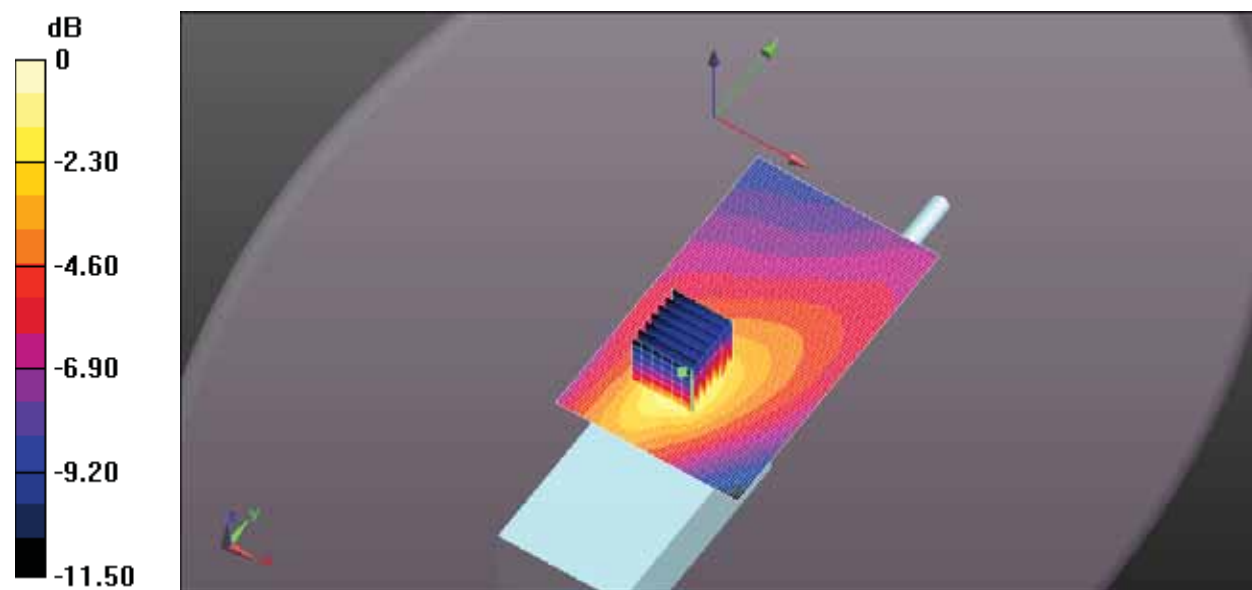
Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.251 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.709 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.656 W/kg



0 dB = 0.709 W/kg = -1.49 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 146mm 136Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 61.845$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.51 V/m; Power Drift = -0.60 dB

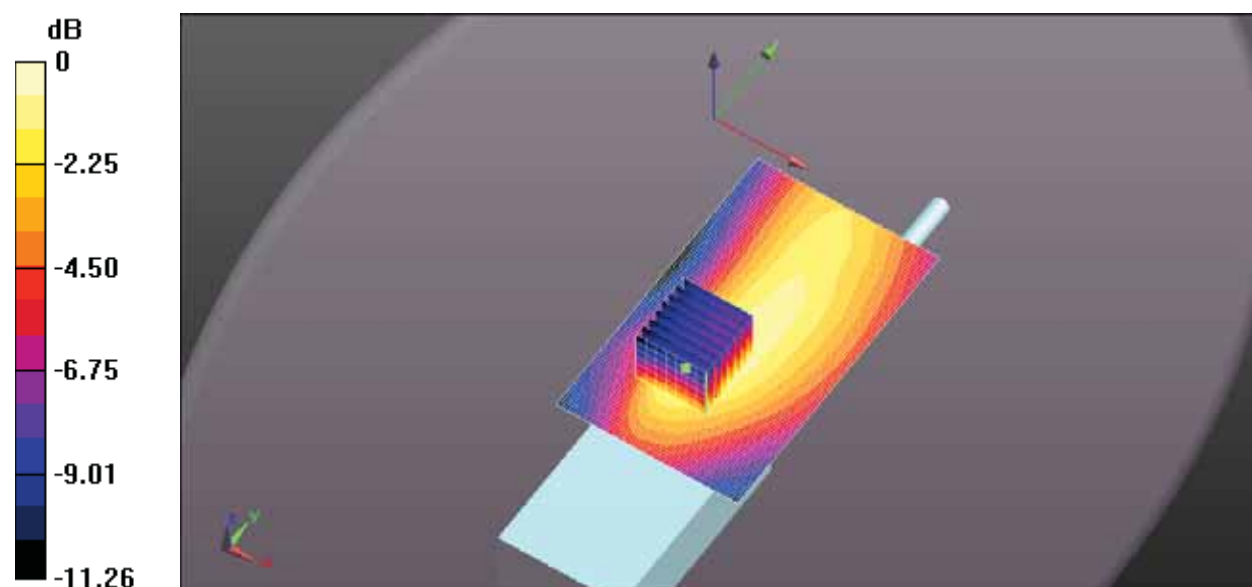
Peak SAR (extrapolated) = 0.619 W/kg

SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.211 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.468 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.494 W/kg



0 dB = 0.468 W/kg = -3.30 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 146mm 174Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.793$ S/m; $\epsilon_r = 60.775$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.61 V/m; Power Drift = -0.21 dB

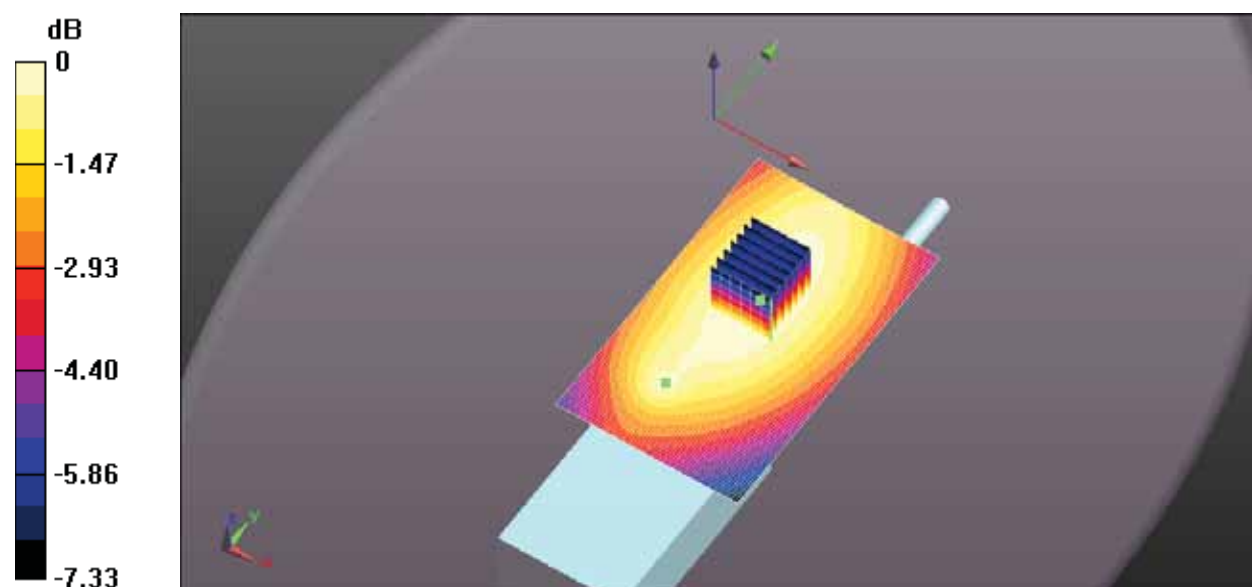
Peak SAR (extrapolated) = 0.934 W/kg

SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.459 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.797 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.797 W/kg



0 dB = 0.797 W/kg = -0.99 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 141mm 165Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 165 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 165$ MHz; $\sigma = 0.789$ S/m; $\epsilon_r = 60.923$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.67 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.27 W/kg

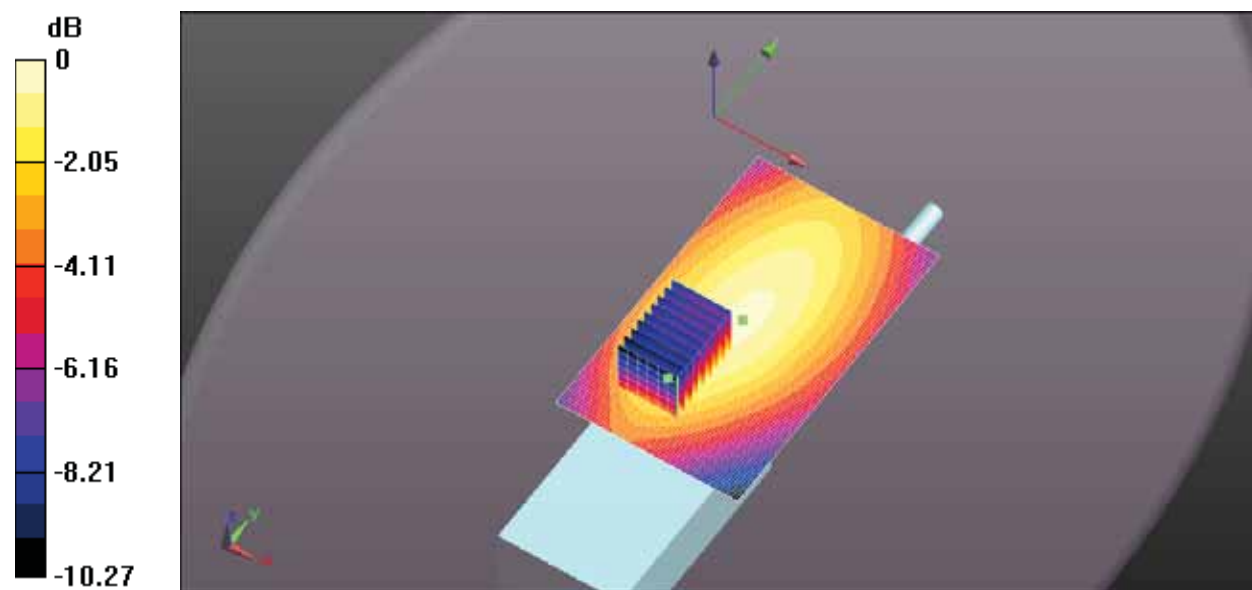
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.740 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 1.66 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.43 W/kg



0 dB = 1.66 W/kg = 2.21 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 141mm 155Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.785$ S/m; $\epsilon_r = 61.092$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.16 V/m; Power Drift = -4.50 dB

Peak SAR (extrapolated) = 0.963 W/kg

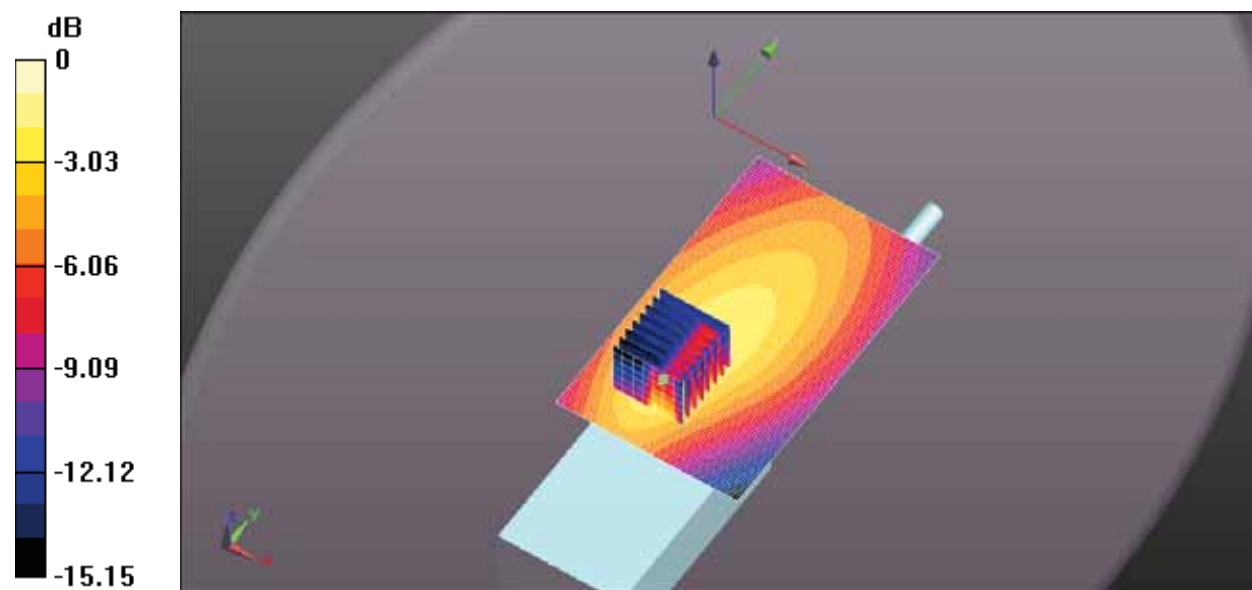
SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.205 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.696 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.741 W/kg



0 dB = 0.696 W/kg = -1.57 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 141mm 142.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 142.3 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 142.3$ MHz; $\sigma = 0.777$ S/m; $\epsilon_r = 61.657$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.16 V/m; Power Drift = -0.51 dB

Peak SAR (extrapolated) = 0.836 W/kg

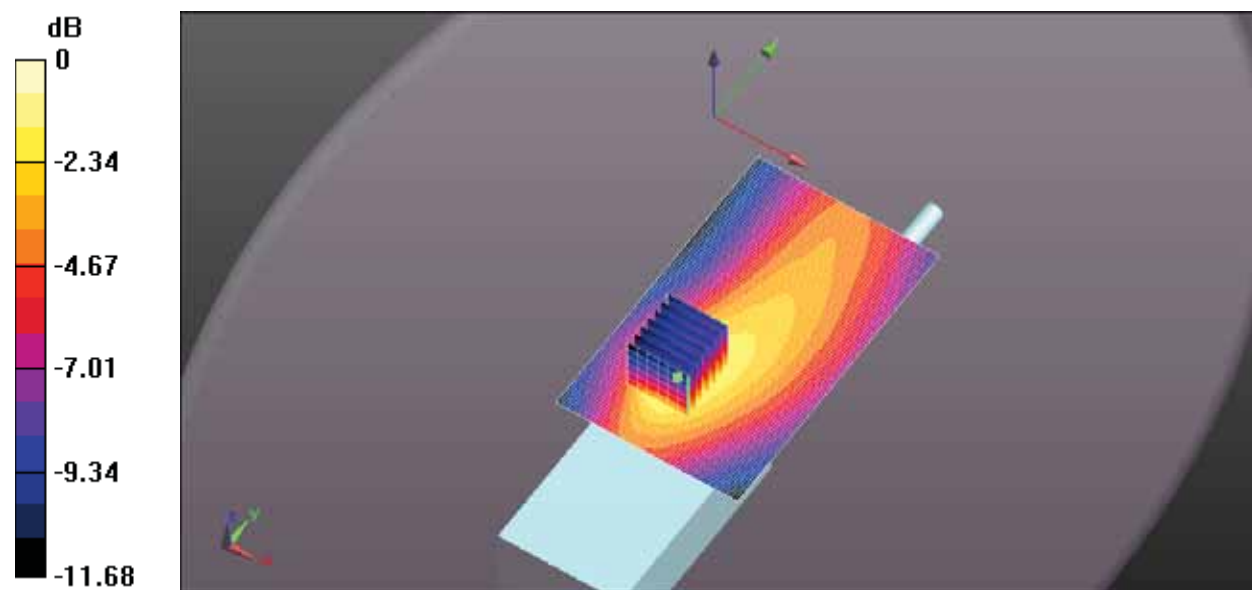
SAR(1 g) = 0.381 W/kg; SAR(10 g) = 0.239 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.598 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.575 W/kg



0 dB = 0.598 W/kg = -2.23 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 137mm 170Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 170 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 170$ MHz; $\sigma = 0.791$ S/m; $\epsilon_r = 60.701$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (8x12x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 44.49 V/m; Power Drift = -0.39 dB

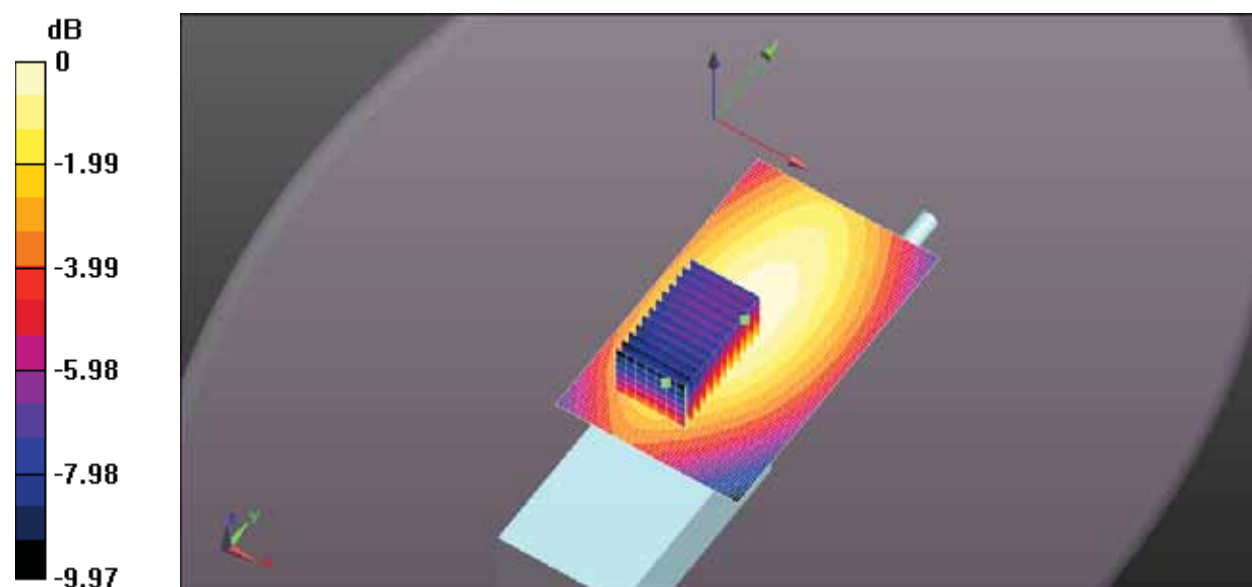
Peak SAR (extrapolated) = 2.73 W/kg

SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.970 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.02 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.84 W/kg



0 dB = 2.02 W/kg = 3.05 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 137mm 155Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.785$ S/m; $\epsilon_r = 61.092$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.04 V/m; Power Drift = 0.29 dB

Peak SAR (extrapolated) = 1.18 W/kg

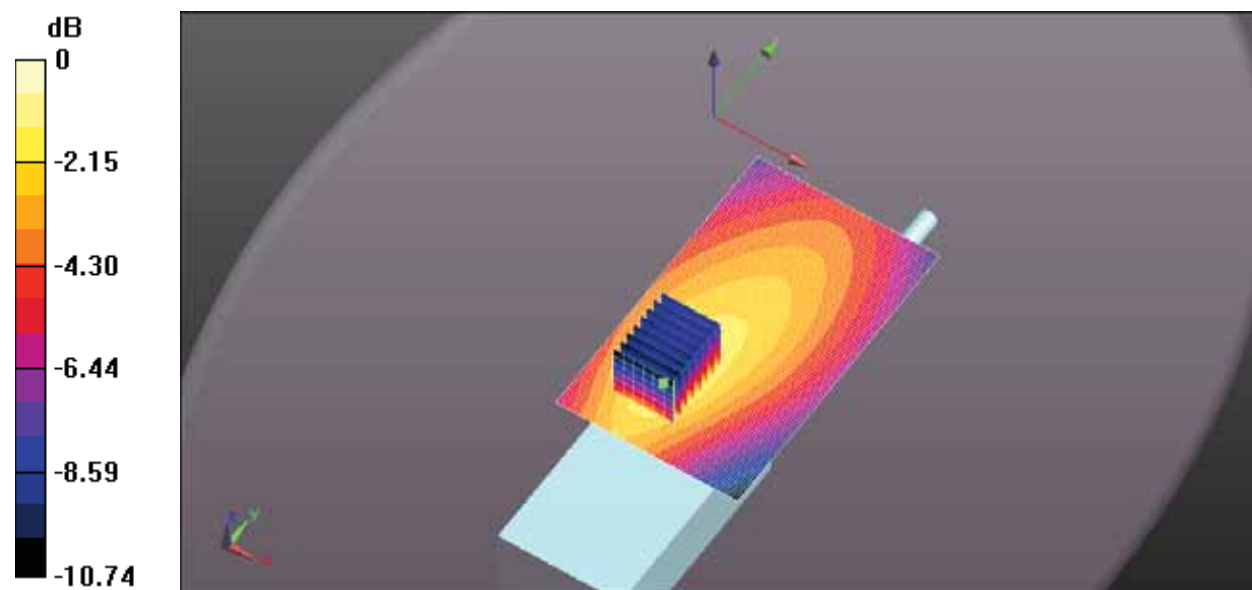
SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.327 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.824 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.710 W/kg



0 dB = 0.824 W/kg = -0.84 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 137mm 142.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 142.3 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 142.3$ MHz; $\sigma = 0.777$ S/m; $\epsilon_r = 61.657$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.53 V/m; Power Drift = -0.40 dB

Peak SAR (extrapolated) = 0.847 W/kg

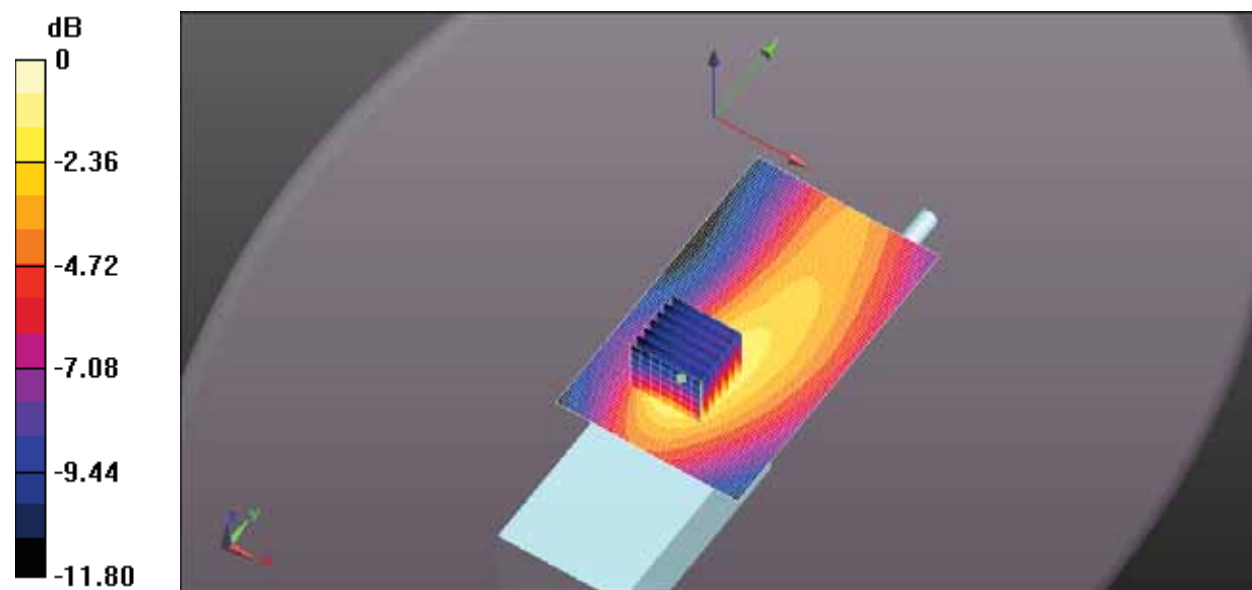
SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.242 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.614 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.583 W/kg



0 dB = 0.614 W/kg = -2.12 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 133mm 174Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.793$ S/m; $\epsilon_r = 60.775$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.90 V/m; Power Drift = -1.50 dB

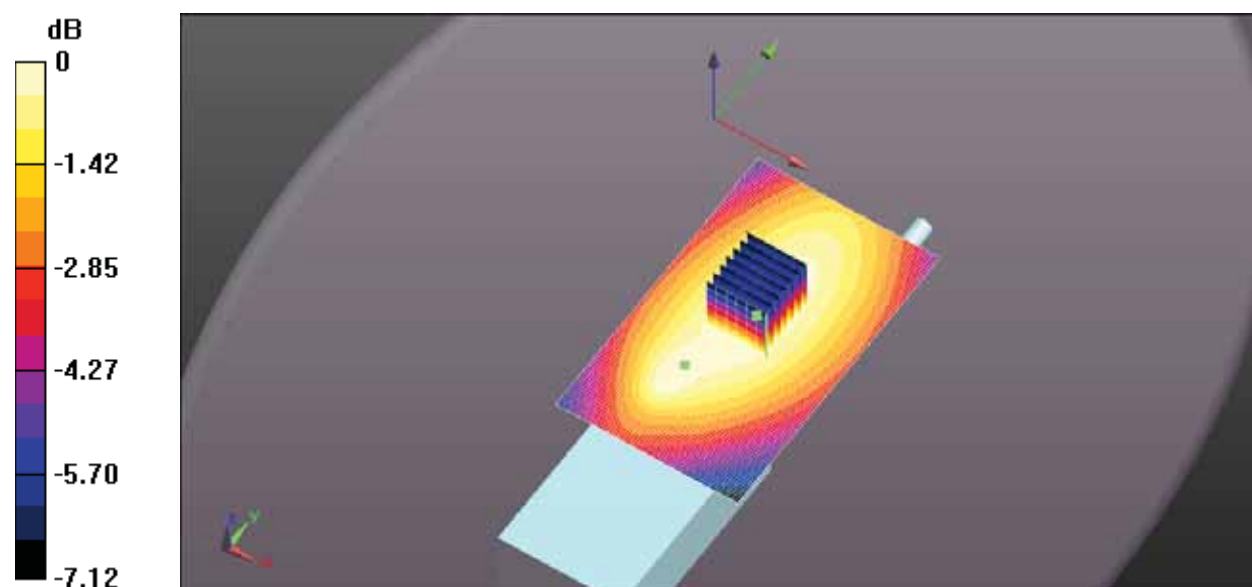
Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.38 W/kg; SAR(10 g) = 1.04 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.77 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.89 W/kg



0 dB = 1.77 W/kg = 2.49 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 133mm 161.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 161.3 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 162$ MHz; $\sigma = 0.788$ S/m; $\epsilon_r = 60.996$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.63 V/m; Power Drift = 0.02 dB

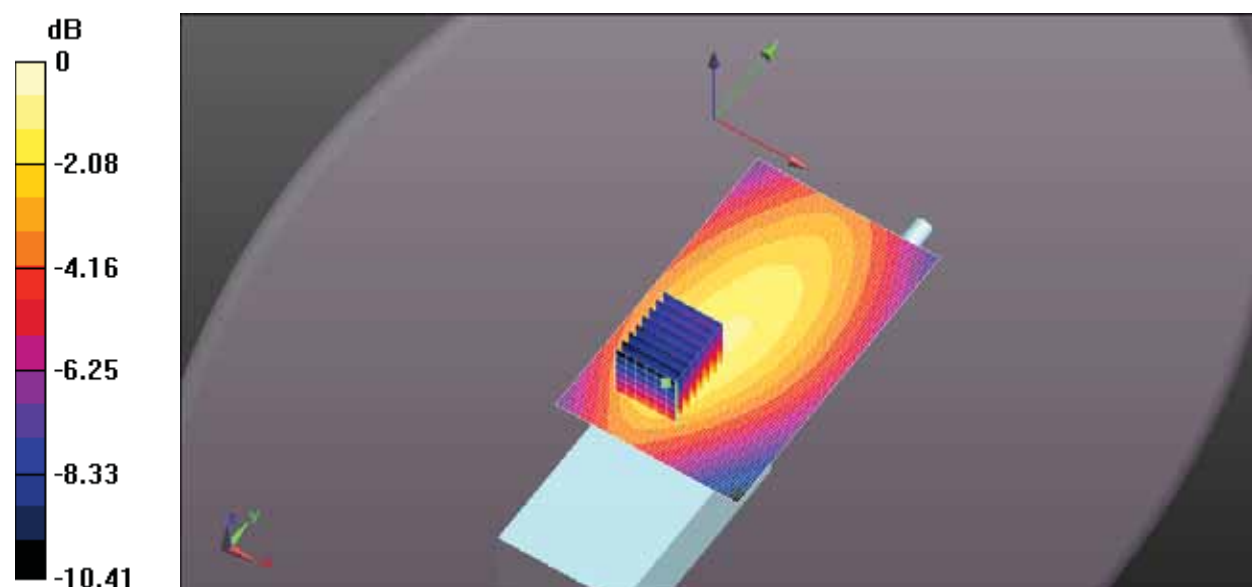
Peak SAR (extrapolated) = 0.935 W/kg

SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.283 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.663 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.601 W/kg



0 dB = 0.663 W/kg = -1.78 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 133mm 148.7Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 148.7 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 148.7$ MHz; $\sigma = 0.781$ S/m; $\epsilon_r = 61.396$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan

(7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.08 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.939 W/kg

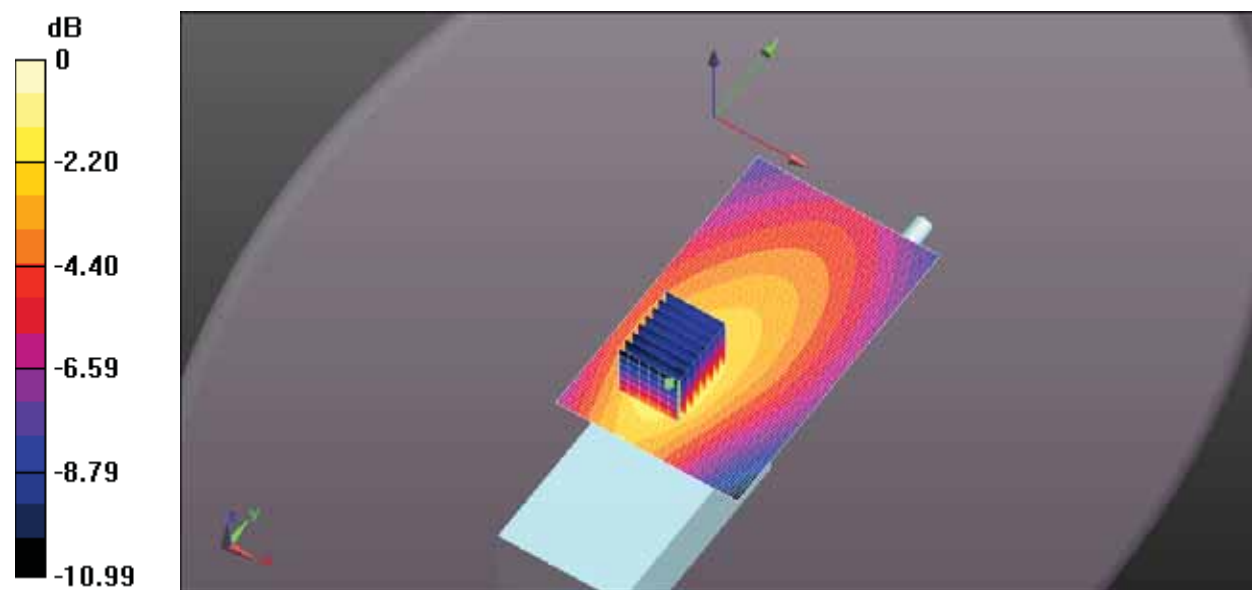
SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.241 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.643 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.543 W/kg



0 dB = 0.643 W/kg = -1.92 dBW/kg

File Name: ICOM-494Q Body FA-SC61VC 133mm 136Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 61.845$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.55, 10.55, 10.55); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.63 V/m; Power Drift = -0.20 dB

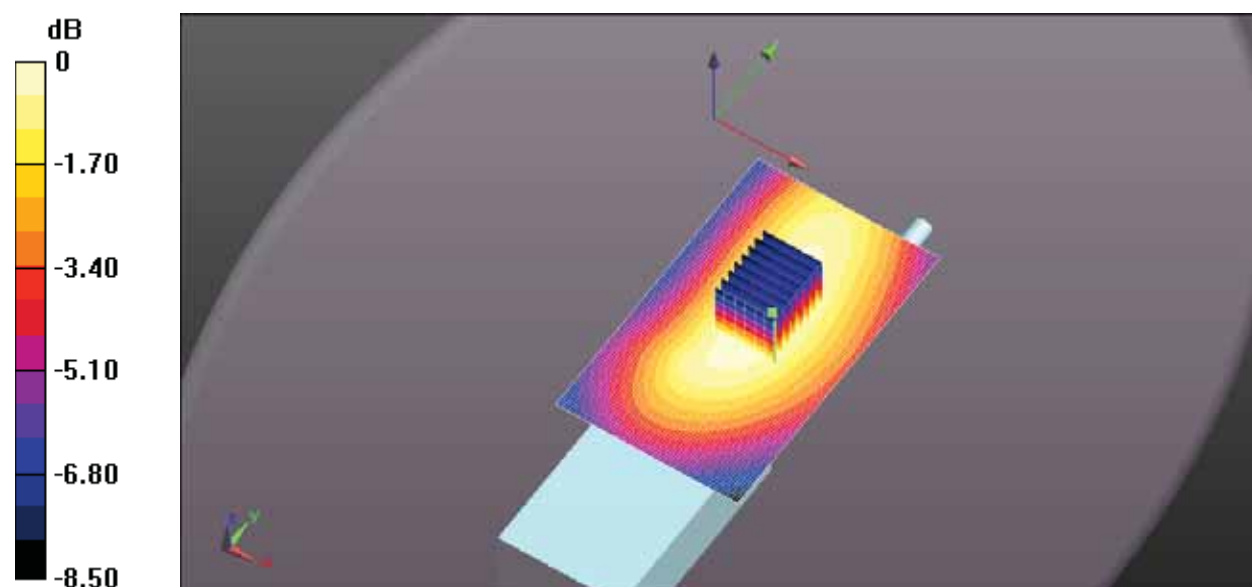
Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.074 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.137 W/kg

Configuration Body for IC-F52D-UL/Body Back, P=5W, d=0mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.138 W/kg



0 dB = 0.137 W/kg = -8.62 dBW/kg

EXHIBIT 5. HEAD SAR MEASUREMENTS - FIXED ANTENNA

Antenna	Power (W)	CH	CH. Freq (MHz)	HEAD SAR1g (W/Kg)	Power Drift (dB)
				BP-292UL 2010mAh	
FA-SC25V 136-150 MHz	5.15	1	136	0.241	-0.77
	5.15	4	143	0.603	-1.33
	5.15	9	150	1.243	-2.14
FA-SC28V 148-162 MHz	5.17	7	148	0.661	-0.04
	5.18	10	155	0.886	-1.19
	5.17	14	162	0.628	-3.25
FA-SC29V 160-174 MHz	5.17	12	160	0.580	-0.04
	5.15	15	167	1.212	-0.73
	5.09	18	174	1.049	-1.33
FA-SC62V 150-160 MHz	5.15	9	150	**	**
	5.18	10	155	0.520	-1.1
	5.17	12	160	**	**
FA-SC63V 155-165 MHz	5.18	10	155	0.243	-0.2
	5.17	12	160	**	**
	5.17	20	165	0.626	-0.7
FA-SC27VS 142-150 MHz	5.17	3	142	**	**
	5.17	6	146	0.553	-1.54
	5.15	9	150	**	**
FA-SC56VS 150-162 MHz	5.15	9	150	**	**
	5.19	11	156	0.269	-3.63
	5.17	14	162	**	**
FA-SC57VS 160-174 MHz	5.17	12	160	0.306	-0.68
	5.15	15	167	**	**
	5.09	18	174	0.140	-0.17
FA-SC26VS 136-144 MHz	5.15	1	136	**	**
	5.16	2	140	0.296	-1.87
	5.15	5	144	**	**

EXHIBIT 6. HEAD SAR MEASUREMENTS - CUT ANTENNA

Antenna	Power (W)	CH	CH. Freq. (MHz)	HEAD SAR1g (W/Kg)	Power Drift (dB)
				BP-292UL 2010mAh	
FA-S61VC 136MHz 174mm	5.15	1	136	0.420	-0.78
	5.15	19	142.3	**	**
	5.16	8	148.7	0.455	-1.41
	5.18	10	155	**	**
	5.17	13	161.3	0.111	-4.56
	5.16	16	167.7	**	**
	5.09	18	174	0.073	-1.16
FA-S61VC 140MHz 169mm	5.15	1	136	**	**
	5.16	2	140	0.687	-1.94
	5.16	8	148.7	**	**
	5.18	10	155	0.384	-1.08
	5.17	13	161.3	**	**
	5.16	16	167.7	0.109	-0.31
	5.09	18	174	**	**
FA-S61VC 145MHz 163mm	5.15	1	136	0.188	-0.02
	5.15	19	142.3	**	**
	5.12	21	145	0.485	-0.27
	5.18	10	155	**	**
	5.17	13	161.3	0.352	-0.42
	5.16	16	167.7	**	**
	5.09	18	174	0.121	-0.72
FA-S61VC 150MHz 157mm	5.15	1	136	0.143	-0.82
	5.15	19	142.3	**	**
	5.15	9	150	0.502	-0.35
	5.18	10	155	**	**
	5.17	13	161.3	0.595	-0.37
	5.16	16	167.7	**	**
	5.09	18	174	0.178	-0.13
FA-S61VC 155MHz 151mm	5.15	1	136	**	**
	5.15	19	142.3	0.093	-0.9
	5.16	8	148.7	**	**
	5.18	10	155	0.277	-0.16
	5.17	13	161.3	**	**
	5.16	16	167.7	1.405	-1.21
	5.09	18	174	**	**

SPECIFIC ABSORPTION RATE (SAR)

Portable VHF Transceiver, M/N: IC-F52D-UL

FCC ID: AFJ395100

Antenna	Power (W)	CH	CH. Freq (MHz)	HEAD SAR1g (W/Kg)	Power Drift (dB)
				BP-292UL	
			2010mAh		
FA-S61VC 160MHz 146mm	5.15	1	136	0.073	-0.21
	5.15	19	142.3	**	**
	5.16	8	148.7	0.174	-0.3
	5.18	10	155	**	**
	5.17	12	160	0.449	-0.34
	5.16	16	167.7	**	**
	5.09	18	174	0.672	-0.34
FA-S61VC 165MHz 141mm	5.15	1	136	**	**
	5.15	19	142.3	0.081	-1.64
	5.16	8	148.7	**	**
	5.18	10	155	0.176	-0.21
	5.17	13	161.3	**	**
	5.17	20	165	0.467	-0.4
	5.09	18	174	**	**
FA-S61VC 170MHz 137mm	5.15	1	136	**	**
	5.15	19	142.3	0.066	-0.38
	5.16	8	148.7	**	**
	5.18	10	155	0.135	-0.04
	5.17	13	161.3	**	**
	5.06	22	170	0.561	-0.22
	5.09	18	174	**	**
FA-S61VC 175MHz 133mm	5.15	1	136	0.040	-0.53
	5.15	19	142.3	**	**
	5.16	8	148.7	0.123	-4.36
	5.18	10	155	**	**
	5.17	13	161.3	0.150	-0.05
	5.16	16	167.7	**	**
	5.09	18	174	0.675	-0.53

File Name: ICOM-494Q Head FA-SC25V 136MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.735$ S/m; $\epsilon_r = 52.207$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 28.96 V/m; Power Drift = -0.77 dB

Peak SAR (extrapolated) = 0.611 W/kg

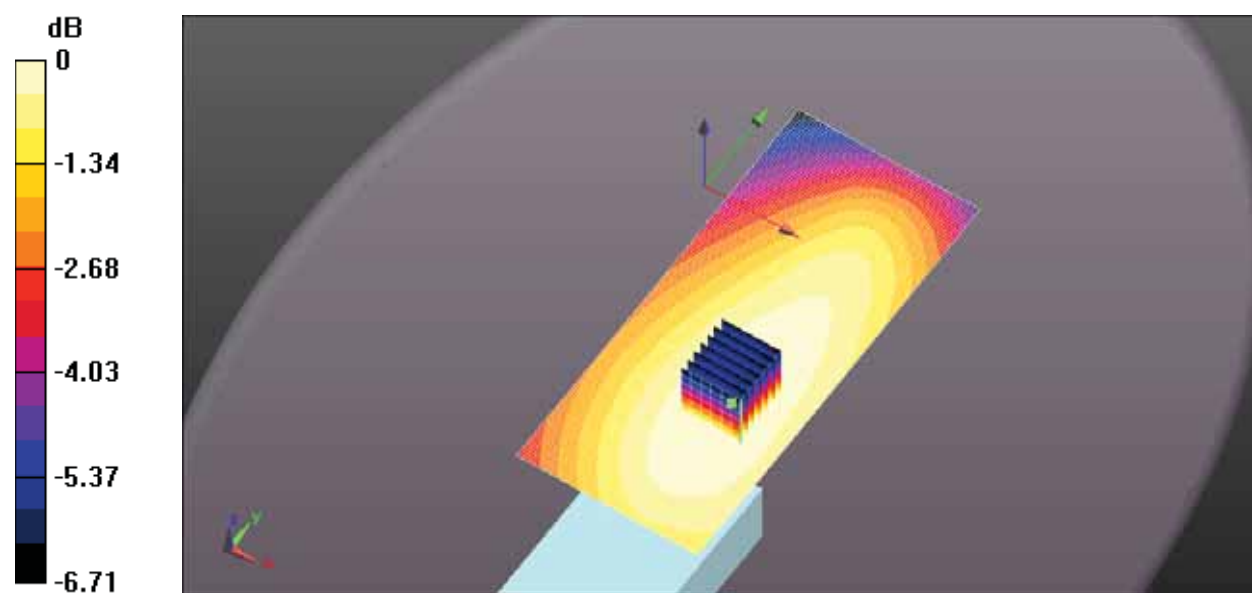
SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.316 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.520 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.511 W/kg



0 dB = 0.520 W/kg = -2.84 dBW/kg

File Name: ICOM-494Q Head FA-SC25V 143MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 143 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 143$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 51.417$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 44.83 V/m; Power Drift = -1.33 dB

Peak SAR (extrapolated) = 1.42 W/kg

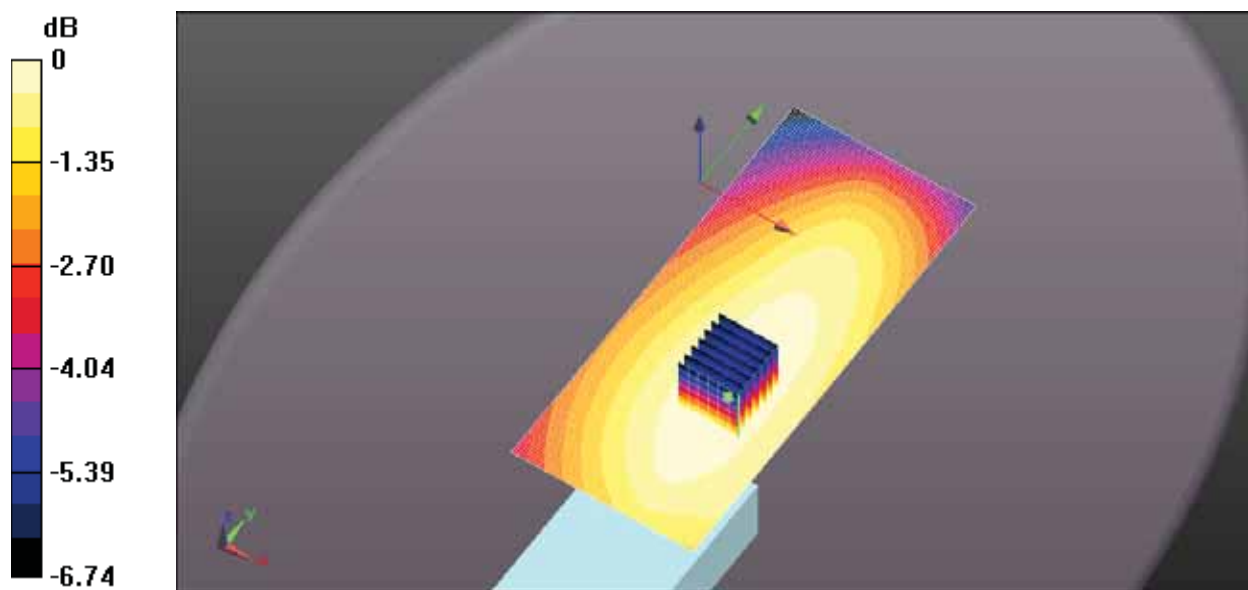
SAR(1 g) = 0.955 W/kg; SAR(10 g) = 0.730 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.21 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area

Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.35 W/kg



0 dB = 1.21 W/kg = 0.84 dBW/kg

File Name: ICOM-494Q Head FA-SC25V 150MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 150 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 150$ MHz; $\sigma = 0.748$ S/m; $\epsilon_r = 50.64$; $\rho = 1000$ kg/m³; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 67.35 V/m; Power Drift = -2.14 dB

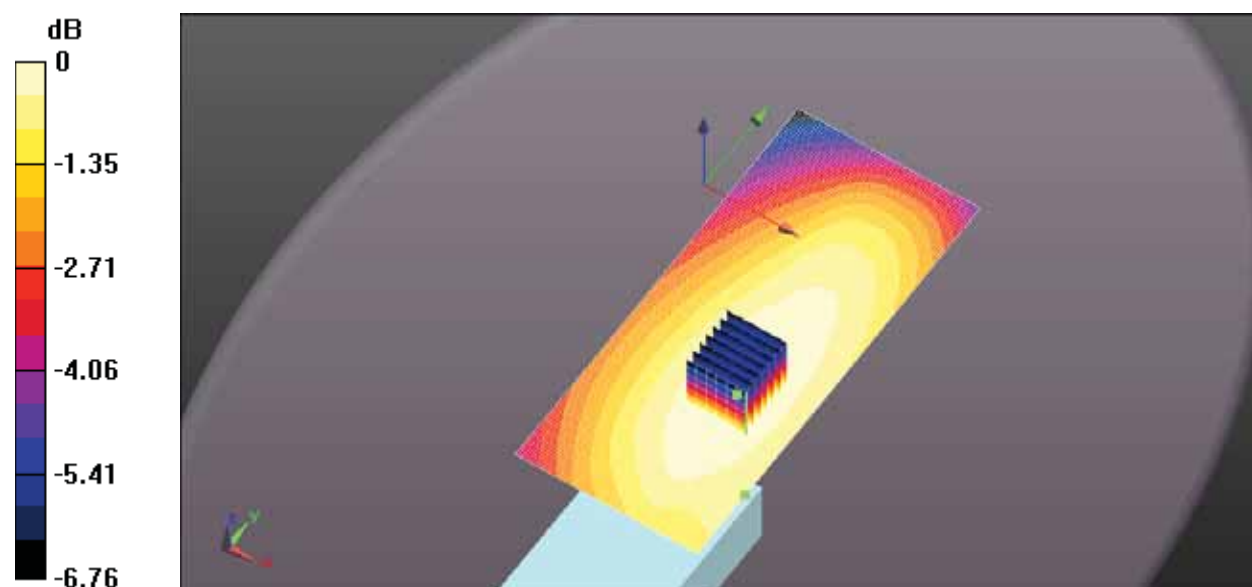
Peak SAR (extrapolated) = 2.70 W/kg

SAR(1 g) = 1.79 W/kg; SAR(10 g) = 1.37 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.29 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.85 W/kg



0 dB = 2.29 W/kg = 3.60 dBW/kg

File Name: ICOM-494Q Head FA-SC28V 148MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 148 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 148$ MHz; $\sigma = 0.746$ S/m; $\epsilon_r = 50.649$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 46.71 V/m; Power Drift = -0.04 dB

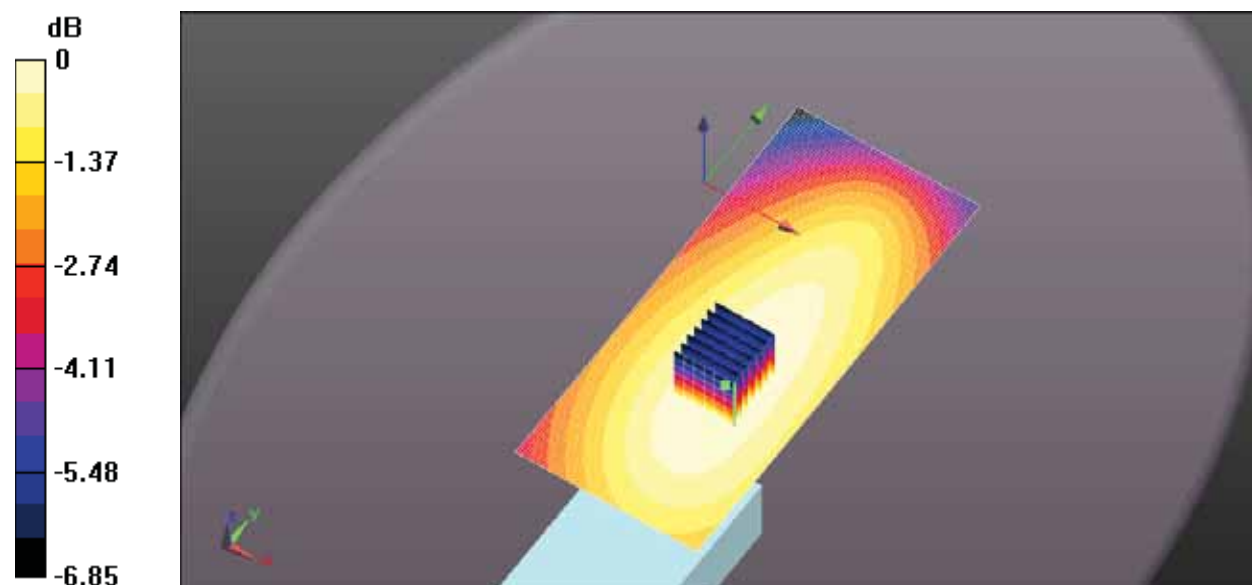
Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 1.31 W/kg; SAR(10 g) = 1.000 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.68 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.67 W/kg



0 dB = 1.68 W/kg = 2.25 dBW/kg

File Name: ICOM-494Q Head FA-SC28V 155MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.754$ S/m; $\epsilon_r = 49.816$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 54.07 V/m; Power Drift = -1.20 dB

Peak SAR (extrapolated) = 2.17 W/kg

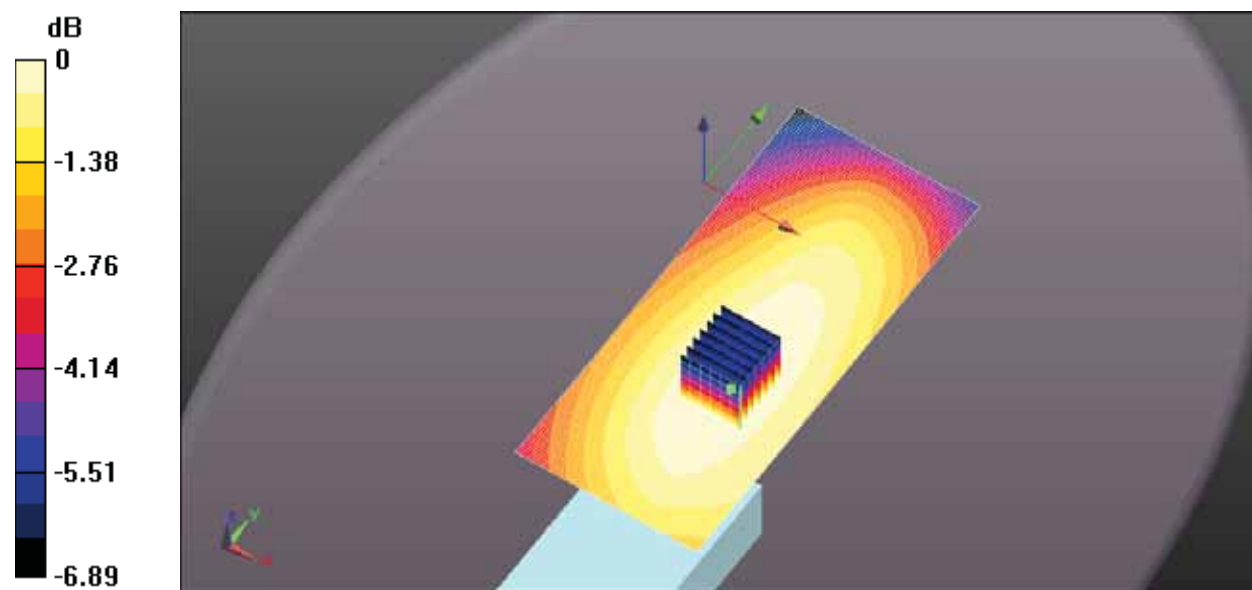
SAR(1 g) = 1.43 W/kg; SAR(10 g) = 1.09 W/kg (SAR corrected for target medium)

.Maximum value of SAR (measured) = 1.84 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.03 W/kg



0 dB = 1.84 W/kg = 2.65 dBW/kg

File Name: ICOM-494Q Head FA-SC28V 162MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 162 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 162$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 49.087$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (9x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.07 V/m; Power Drift = -3.25 dB

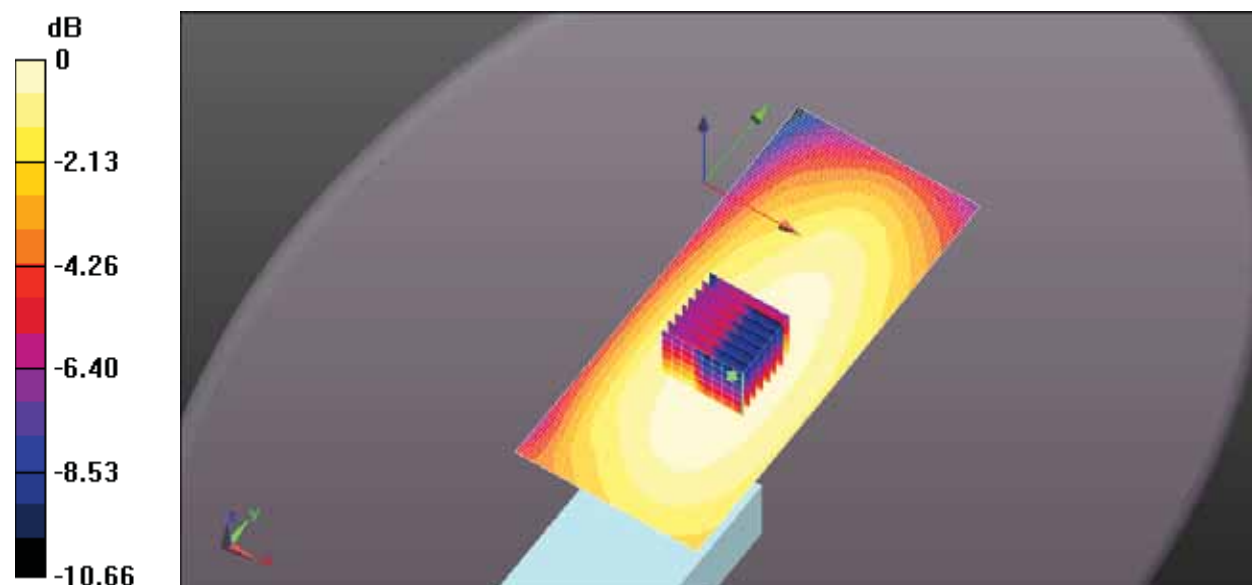
Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.823 W/kg; SAR(10 g) = 0.581 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.08 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.09 W/kg



0 dB = 1.08 W/kg = 0.34 dBW/kg

File Name: ICOM-494Q Head FA-SC29V 160MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 160 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 160$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 49.238$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 43.59 V/m; Power Drift = -0.04 dB

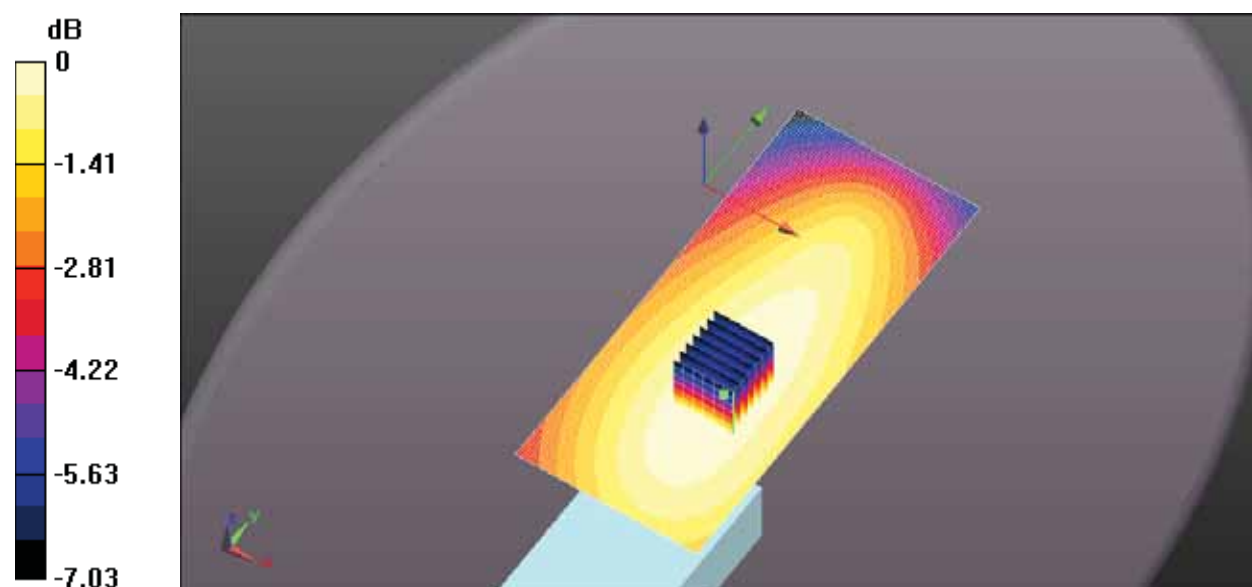
Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.868 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.48 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.47 W/kg



0 dB = 1.48 W/kg = 1.71 dBW/kg

File Name: ICOM-494Q Head FA-SC29V 167MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 167 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 167$ MHz; $\sigma = 0.763$ S/m; $\epsilon_r = 48.706$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 62.40 V/m; Power Drift = -0.73 dB

Peak SAR (extrapolated) = 3.18 W/kg

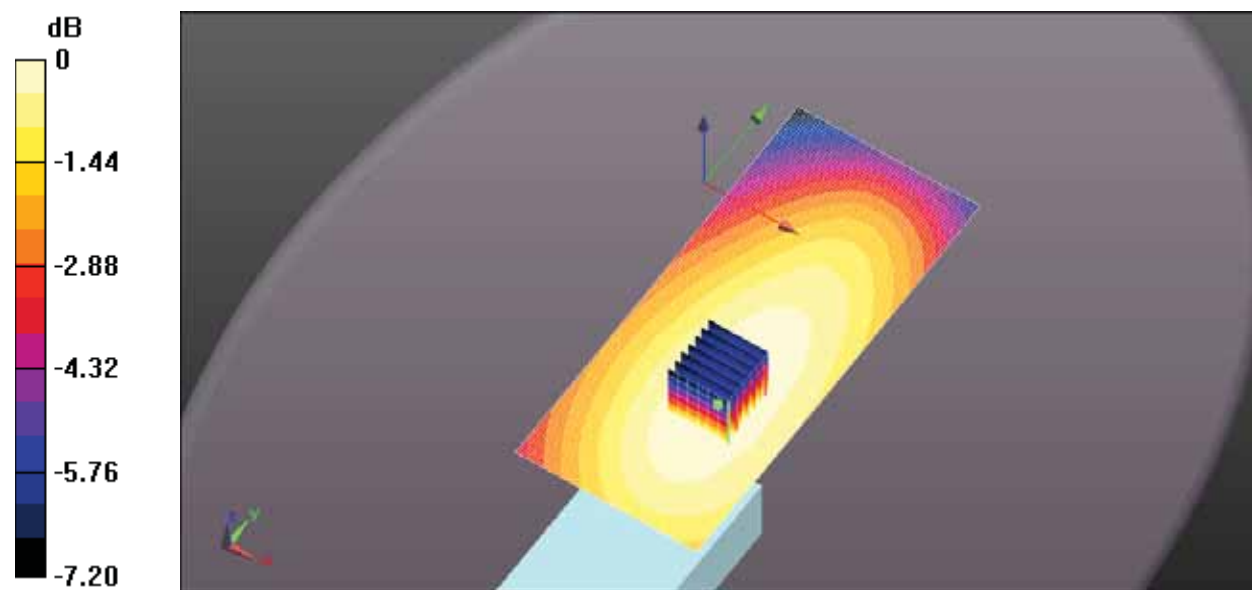
SAR(1 g) = 2.1 W/kg; SAR(10 g) = 1.59 W/kg (SAR corrected for target medium)

.Maximum value of SAR (measured) = 2.72 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 2.86 W/kg



0 dB = 2.72 W/kg = 4.34 dBW/kg

File Name: ICOM-494Q Head FA-SC62V 155MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.754$ S/m; $\epsilon_r = 49.816$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 42.13 V/m; Power Drift = -1.10 dB

Peak SAR (extrapolated) = 1.29 W/kg

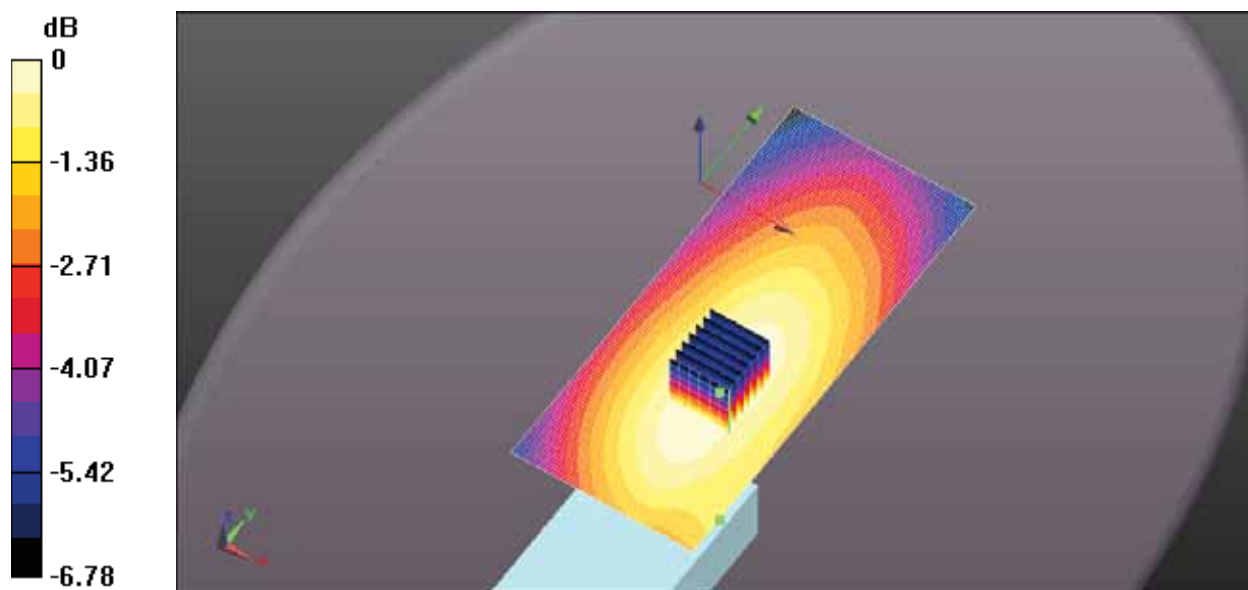
SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.646 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.10 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

File Name: ICOM-494Q Head FA-SC27VS 146MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 146 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 146$ MHz; $\sigma = 0.745$ S/m; $\epsilon_r = 50.858$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.30 V/m; Power Drift = -1.54 dB

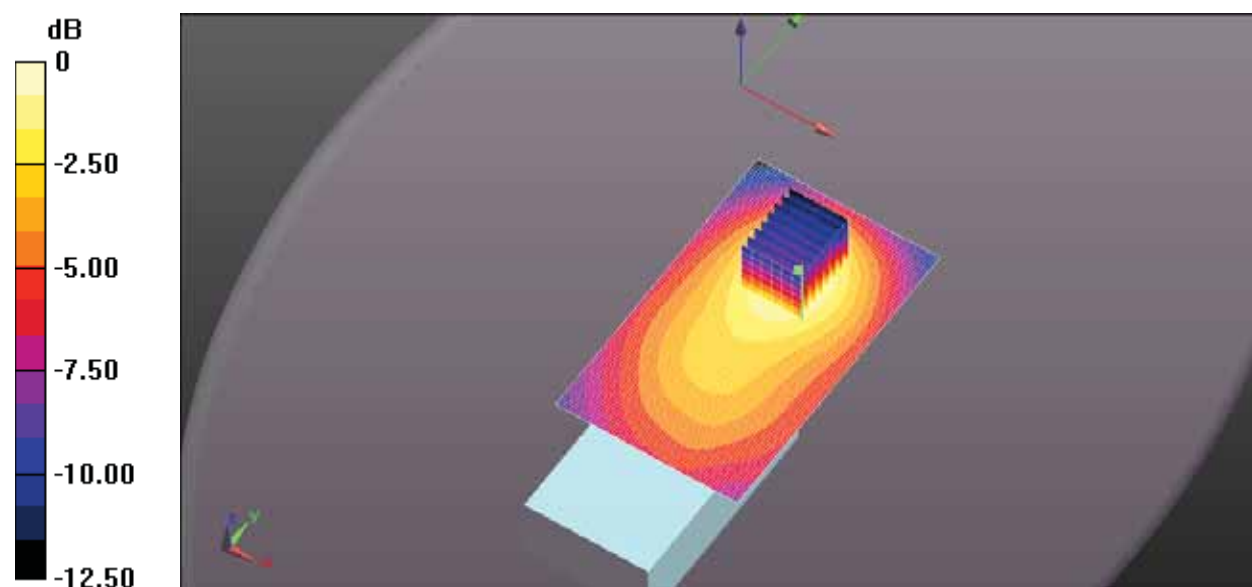
Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.547 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.32 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.44 W/kg



0 dB = 1.32 W/kg = 1.22 dBW/kg

File Name: ICOM-494Q Head FA-SC26VS 140MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 140 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 140$ MHz; $\sigma = 0.74$ S/m; $\epsilon_r = 51.741$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.80 V/m; Power Drift = -1.87 dB

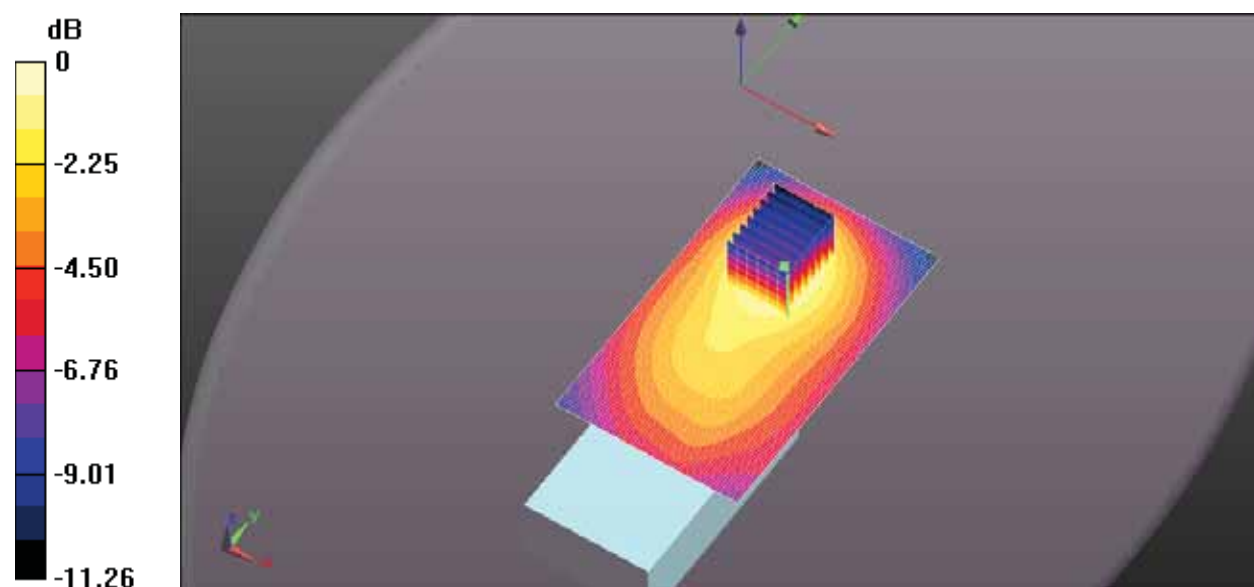
Peak SAR (extrapolated) = 0.871 W/kg

SAR(1 g) = 0.438 W/kg; SAR(10 g) = 0.295 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.643 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.712 W/kg



0 dB = 0.643 W/kg = -1.92 dBW/kg

File Name: ICOM-494Q Head FA-SC56VS 156MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 156 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 156$ MHz; $\sigma = 0.754$ S/m; $\epsilon_r = 49.633$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (9x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.76 V/m; Power Drift = -3.63 dB

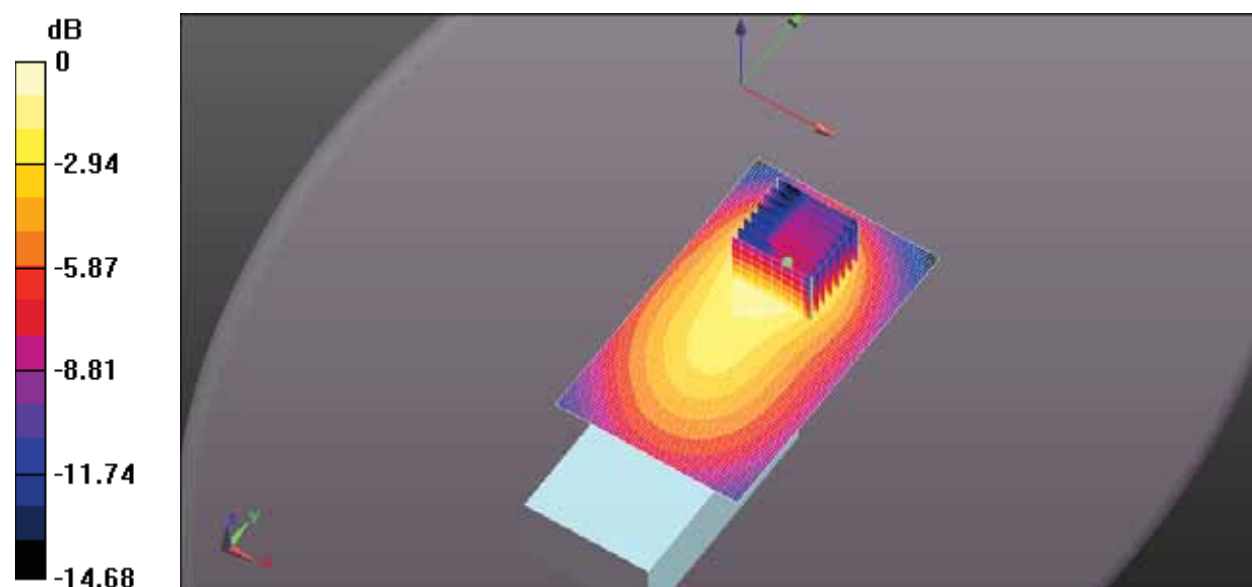
Peak SAR (extrapolated) = 0.739 W/kg

SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.216 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.507 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.516 W/kg



0 dB = 0.507 W/kg = -2.95 dBW/kg

File Name: ICOM-494Q Head FA-SC57VS 160MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 160 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 160$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 49.238$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.99 V/m; Power Drift = -0.68 dB

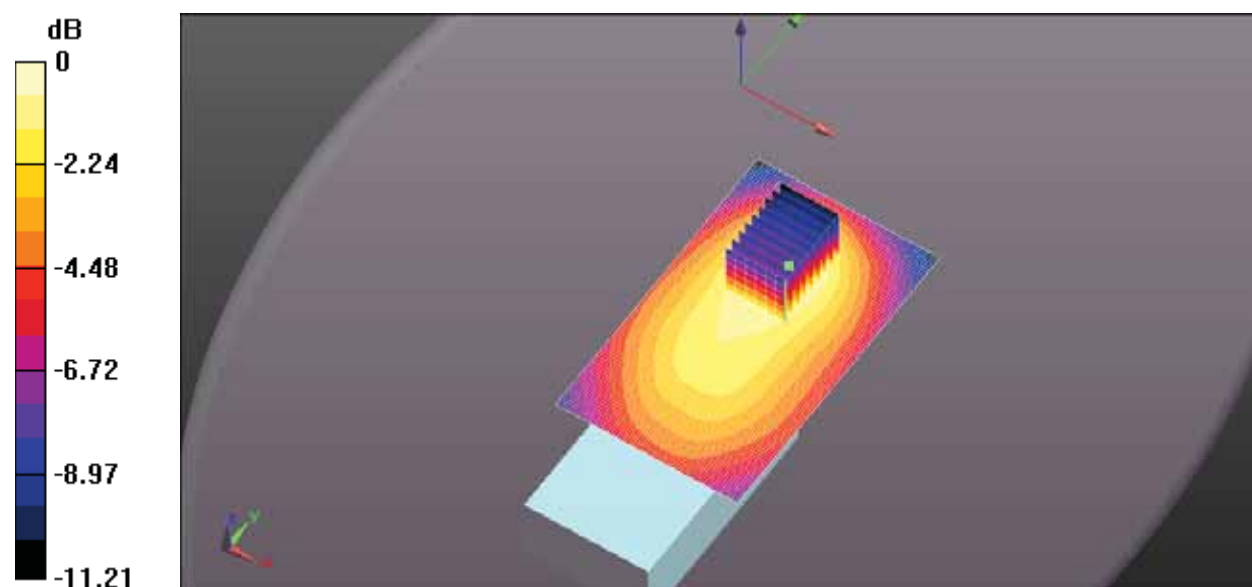
Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.367 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.805 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.805 W/kg



0 dB = 0.805 W/kg = -0.94 dBW/kg

File Name: ICOM-494Q Head FA-SC57VS 174MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 48.237$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x10x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.22 V/m; Power Drift = -0.17 dB

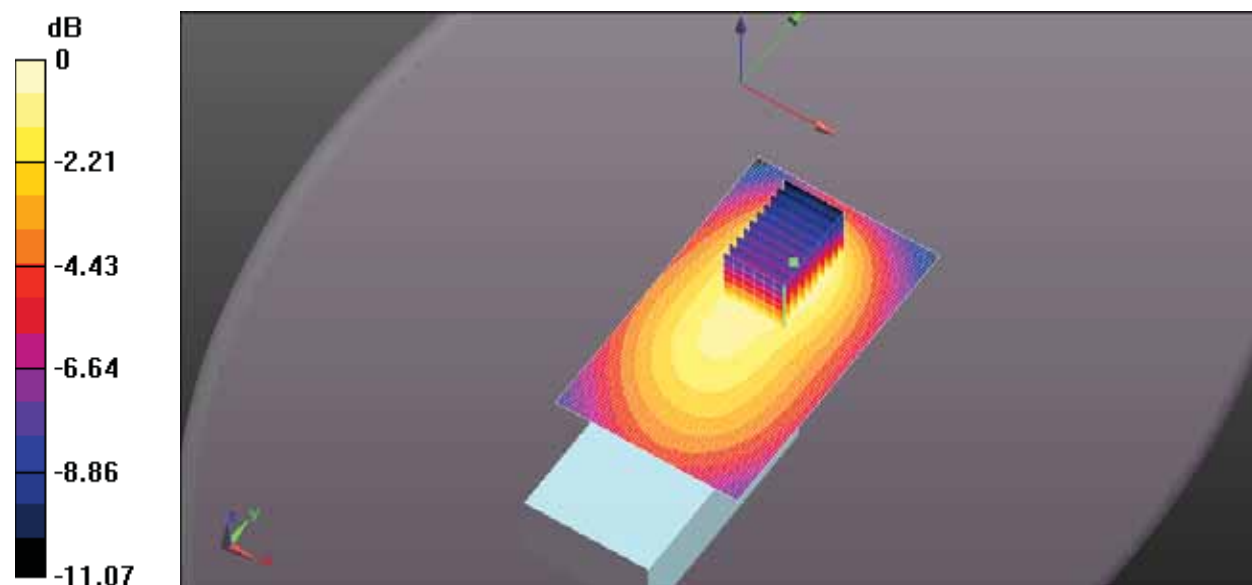
Peak SAR (extrapolated) = 0.526 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.187 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.392 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.398 W/kg



0 dB = 0.392 W/kg = -4.06 dBW/kg

File Name: ICOM-494Q Head FA-SC29V 174MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 48.237$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.50 V/m; Power Drift = -1.33 dB

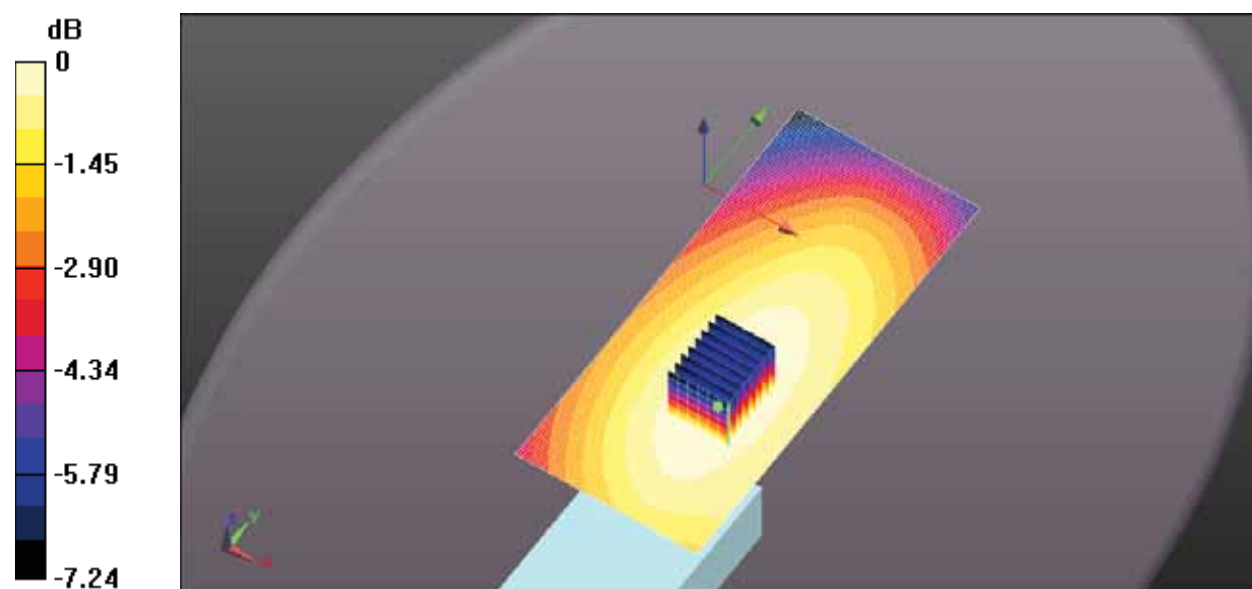
Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 1.66 W/kg; SAR(10 g) = 1.26 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.15 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.37 W/kg



0 dB = 2.15 W/kg = 3.33 dBW/kg

File Name: ICOM-494Q Head FA-SC63V 165MHz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW; Frequency: 165 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 165$ MHz; $\sigma = 0.762$ S/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 45.98 V/m; Power Drift = -0.70 dB

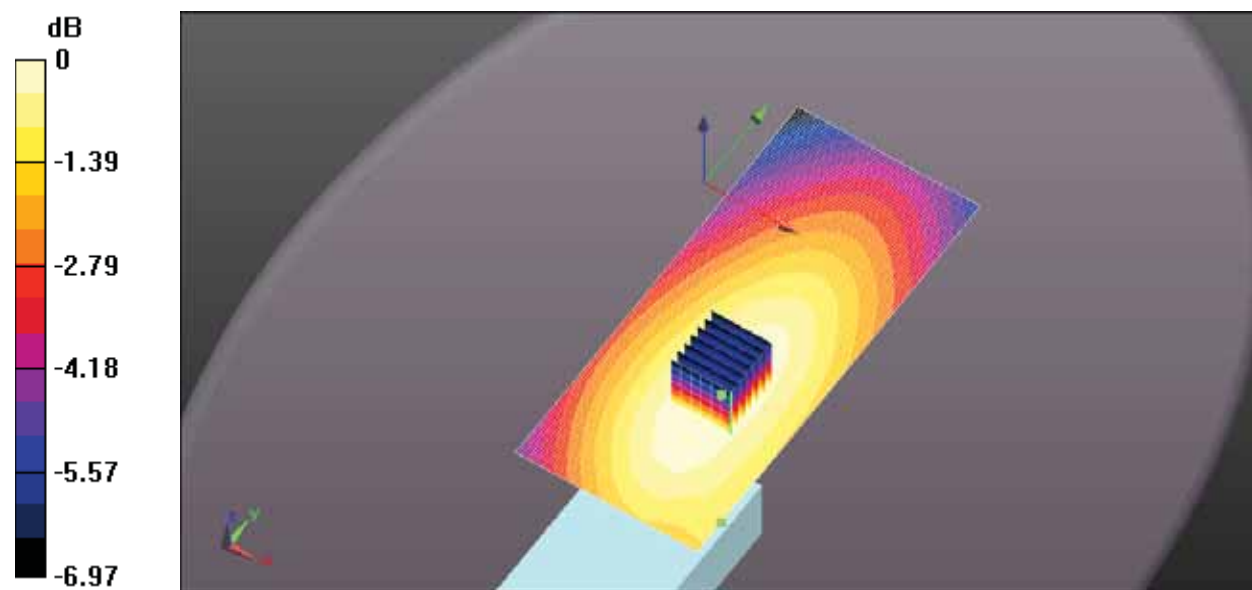
Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.824 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.41 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan**(61x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 1.44 W/kg



0 dB = 1.41 W/kg = 1.48 dBW/kg

File Name: ICOM-494Q Head FA-SC63V 155MHz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.754$ S/m; $\epsilon_r = 49.816$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan

(7x7x7) (8x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.92 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.825 W/kg

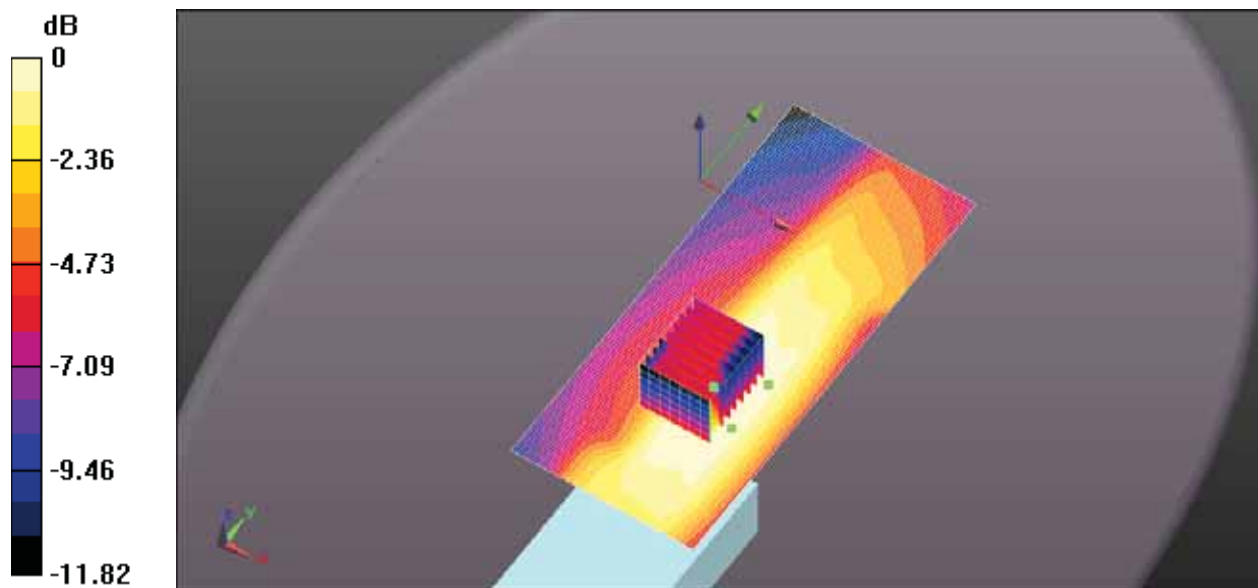
SAR(1 g) = 0.466 W/kg; SAR(10 g) = 0.345 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.584 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.659 W/kg



0 dB = 0.584 W/kg = -2.33 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 174mm 136Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.735$ S/m; $\epsilon_r = 52.207$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.11 V/m; Power Drift = -0.78 dB

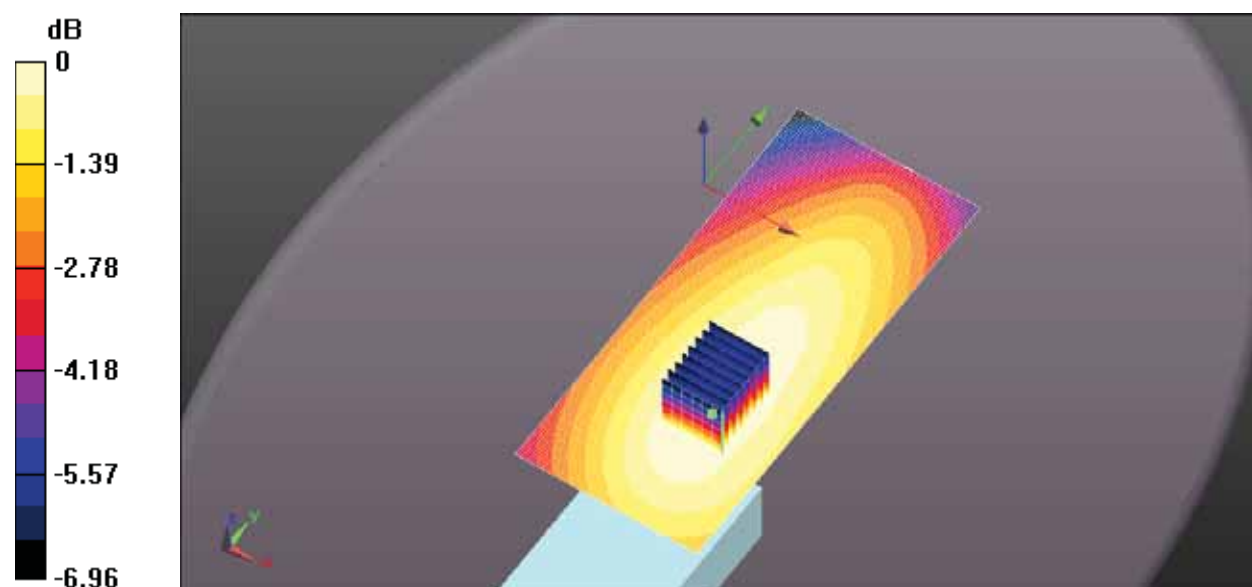
Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.550 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.916 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.923 W/kg



0 dB = 0.916 W/kg = -0.38 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 174mm 148.7Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 148.7 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 148.7$ MHz; $\sigma = 0.747$ S/m; $\epsilon_r = 50.646$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan

(7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.06 V/m; Power Drift = -1.41 dB

Peak SAR (extrapolated) = 1.10 W/kg

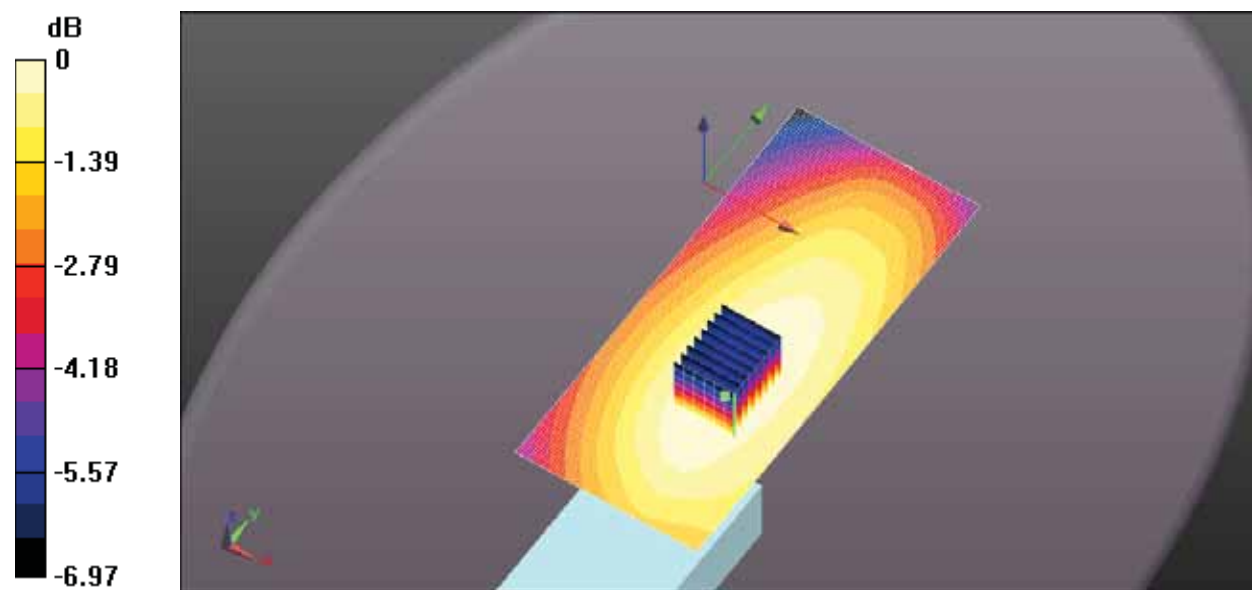
SAR(1 g) = 0.713 W/kg; SAR(10 g) = 0.542 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.925 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 1.02 W/kg



0 dB = 0.925 W/kg = -0.34 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 174mm 161.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 161.3 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 162$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 49.087$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (10x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.34 V/m; Power Drift = -4.56 dB

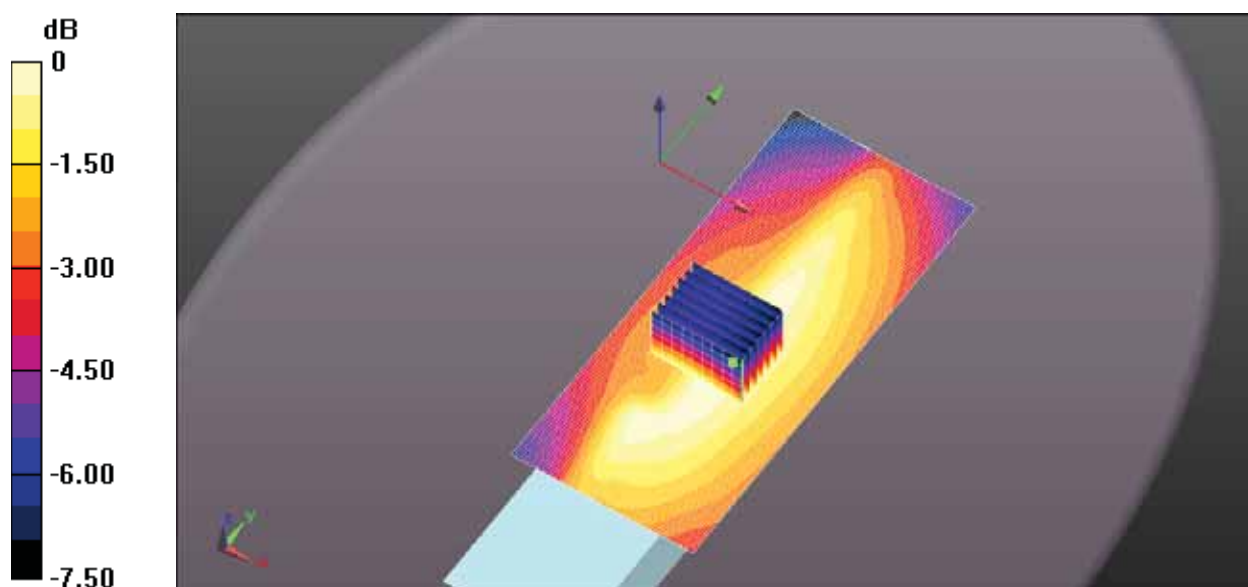
Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.103 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.174 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.399 W/kg



0 dB = 0.174 W/kg = -7.58 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 174mm 174Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 174 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 174$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 48.237$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 14.86 V/m; Power Drift = -1.16 dB

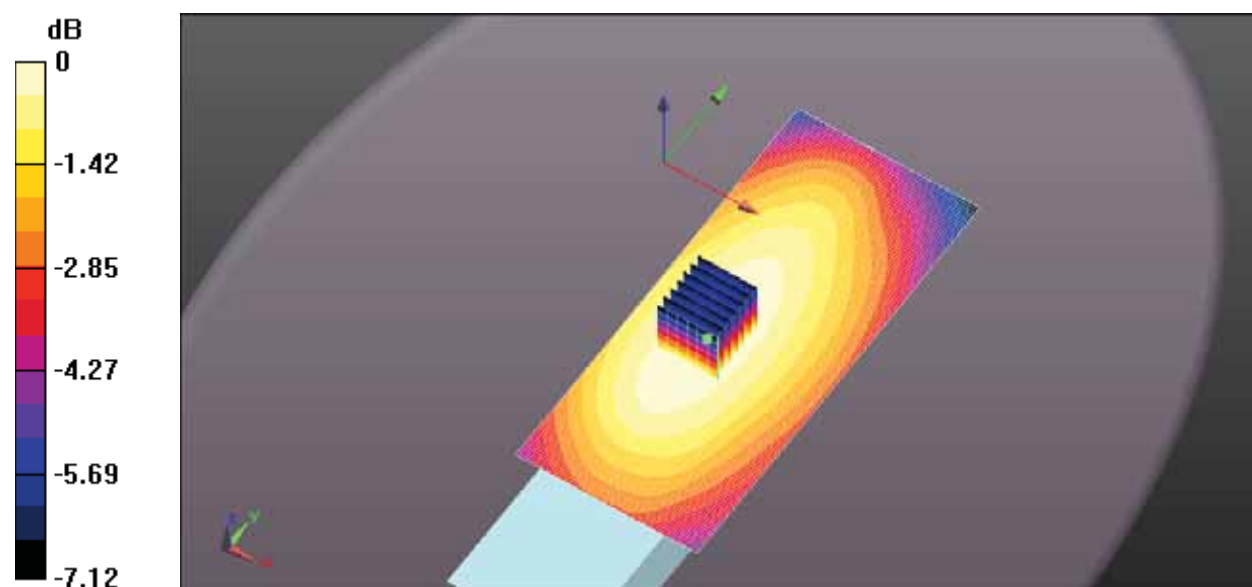
Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.089 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.154 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.155 W/kg



0 dB = 0.154 W/kg = -8.13 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 169mm 140Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 140 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 140$ MHz; $\sigma = 0.74$ S/m; $\epsilon_r = 51.741$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 49.69 V/m; Power Drift = -1.94 dB

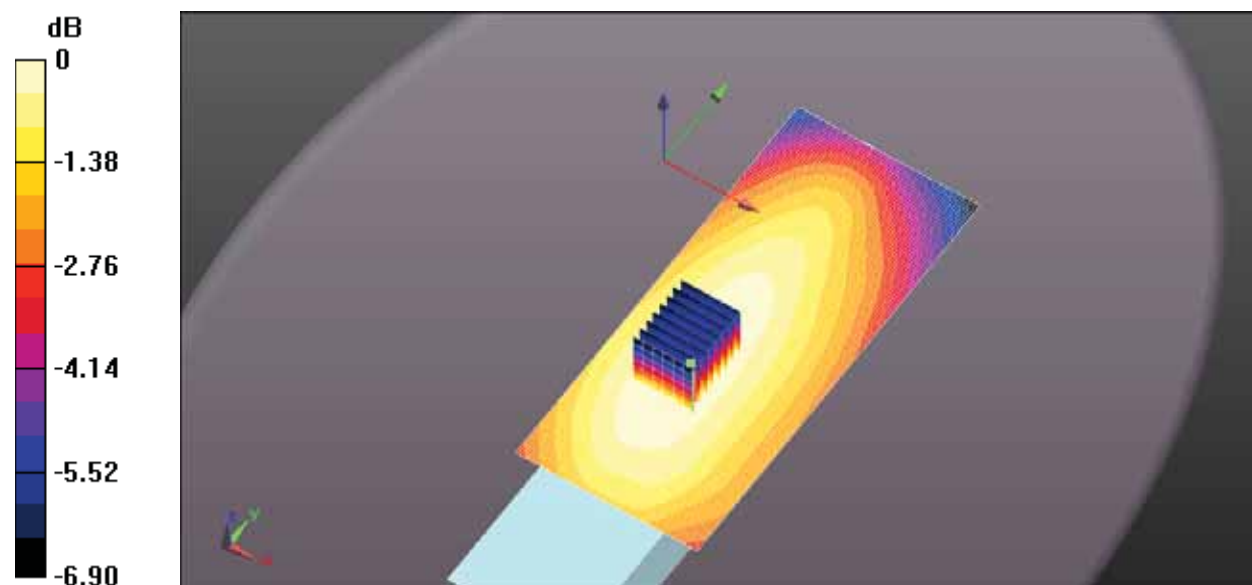
Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.775 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.28 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.42 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 169mm 155Mhz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW ; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155 \text{ MHz}$; $\sigma = 0.754 \text{ S/m}$; $\epsilon_r = 49.816$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan**(7x7x7) (10x9x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 34.28 V/m; Power Drift = -1.08 dB

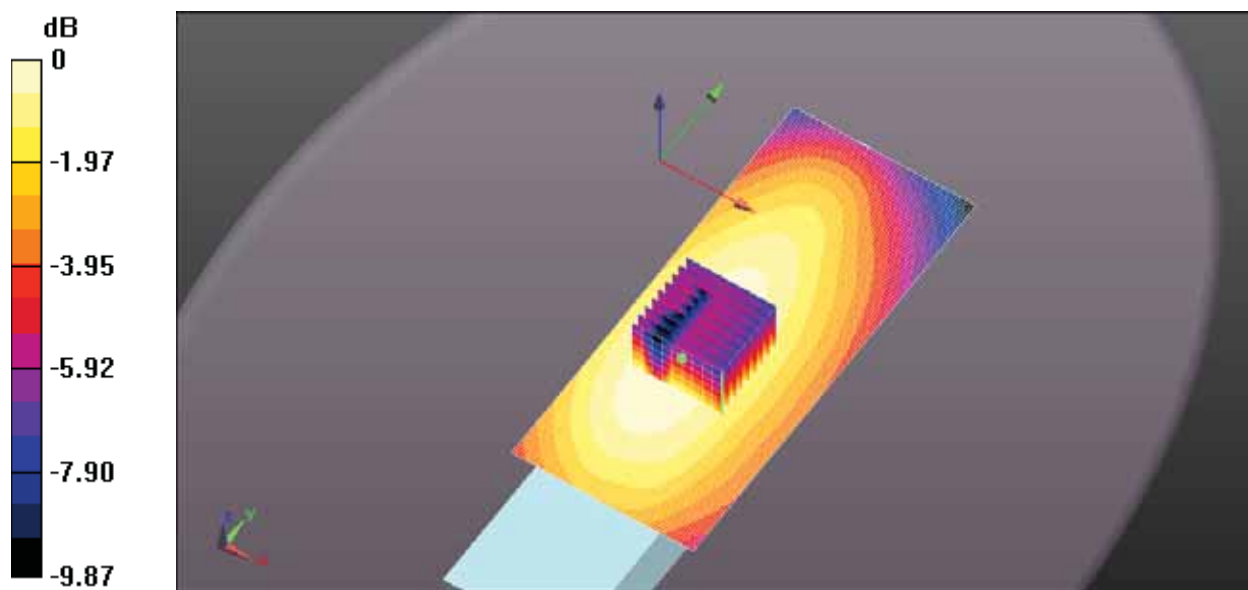
Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.446 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.835 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan**(61x141x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$.

Maximum value of SAR (interpolated) = 0.848 W/kg



0 dB = 0.835 W/kg = -0.78 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 169mm 167.7Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 167.7 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 168$ MHz; $\sigma = 0.764$ S/m; $\epsilon_r = 48.768$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 18.23 V/m; Power Drift = -0.31 dB

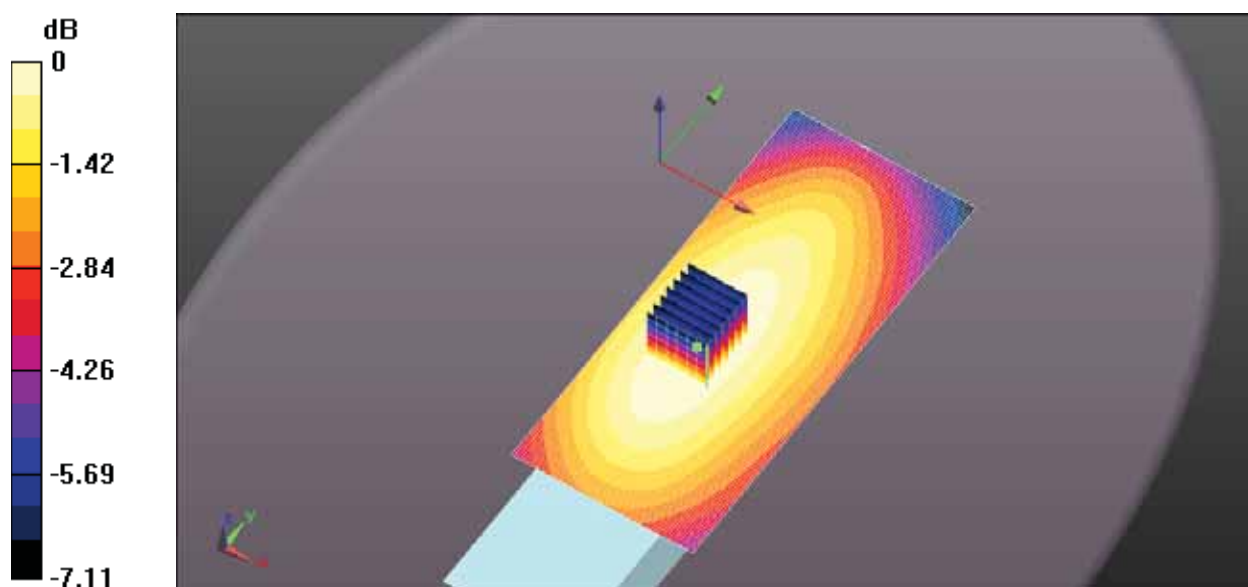
Peak SAR (extrapolated) = 0.314 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.155 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.266 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.267 W/kg



0 dB = 0.266 W/kg = -5.76 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 163mm 145Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 145 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 145$ MHz; $\sigma = 0.744$ S/m; $\epsilon_r = 51.103$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan

(7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.93 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 1.36 W/kg

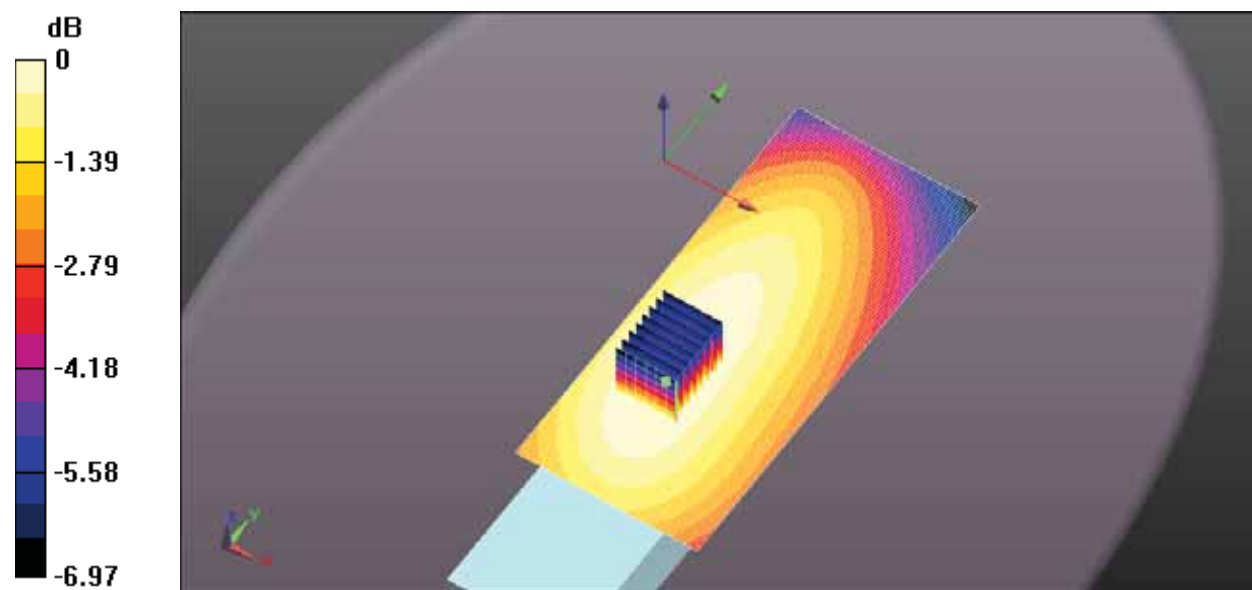
SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.698 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 1.16 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 1.15 W/kg



0 dB = 1.16 W/kg = 0.65 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 163mm 136Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.735$ S/m; $\epsilon_r = 52.207$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x10x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.55 V/m; Power Drift = -0.02 dB

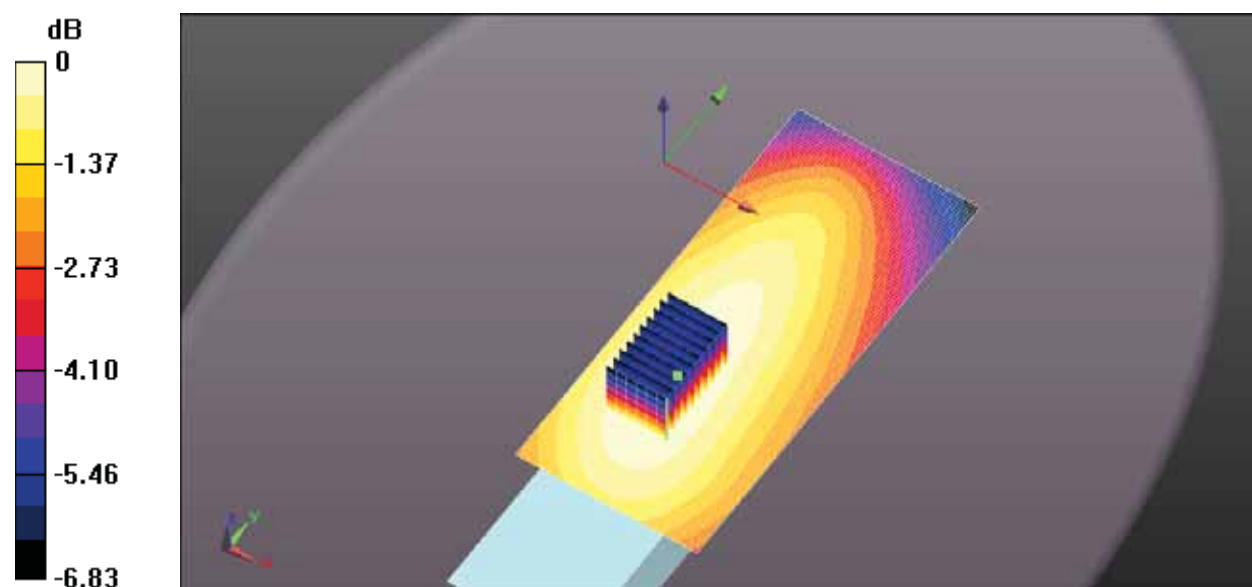
Peak SAR (extrapolated) = 0.549 W/kg

SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.286 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.470 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.457 W/kg



0 dB = 0.470 W/kg = -3.28 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 163mm 161.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 161.3 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 162$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 49.087$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 33.62 V/m; Power Drift = -0.42 dB

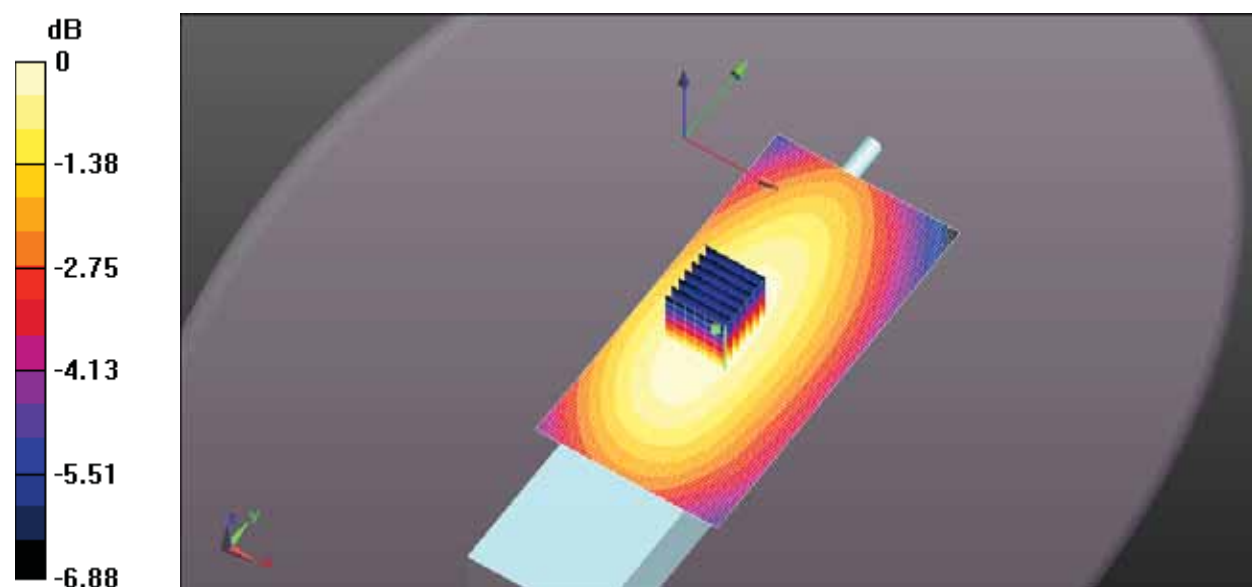
Peak SAR (extrapolated) = 0.973 W/kg

SAR(1 g) = 0.644 W/kg; SAR(10 g) = 0.491 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.832 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.836 W/kg



0 dB = 0.832 W/kg = -0.80 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 163mm 174Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 48.237$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 19.22 V/m; Power Drift = -0.71 dB

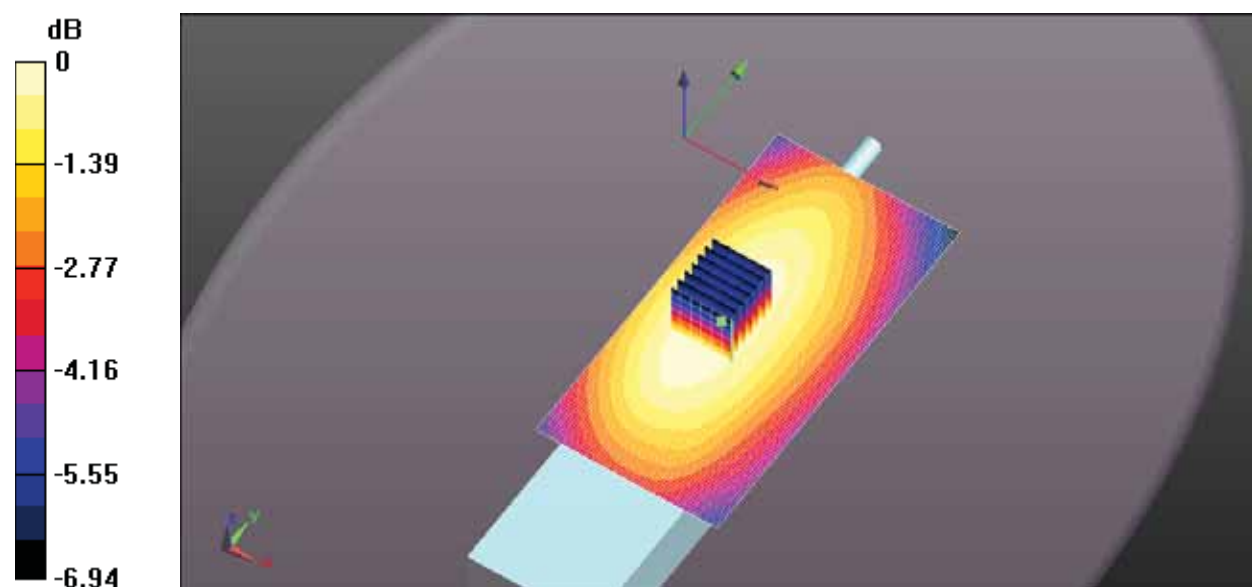
Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.159 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.272 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.274 W/kg



0 dB = 0.272 W/kg = -5.66 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 157mm 150Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 150 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 150$ MHz; $\sigma = 0.748$ S/m; $\epsilon_r = 50.64$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 40.96 V/m; Power Drift = -0.35 dB

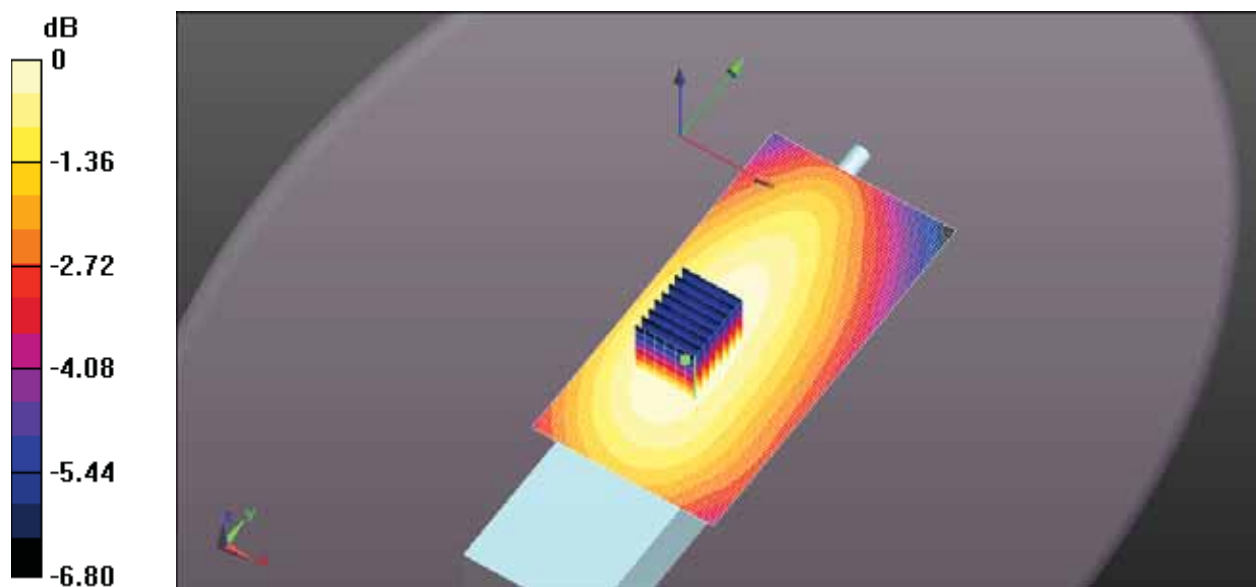
Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.931 W/kg; SAR(10 g) = 0.712 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.19 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.18 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 157mm 136Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.735$ S/m; $\epsilon_r = 52.207$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 22.39 V/m; Power Drift = -0.82 dB

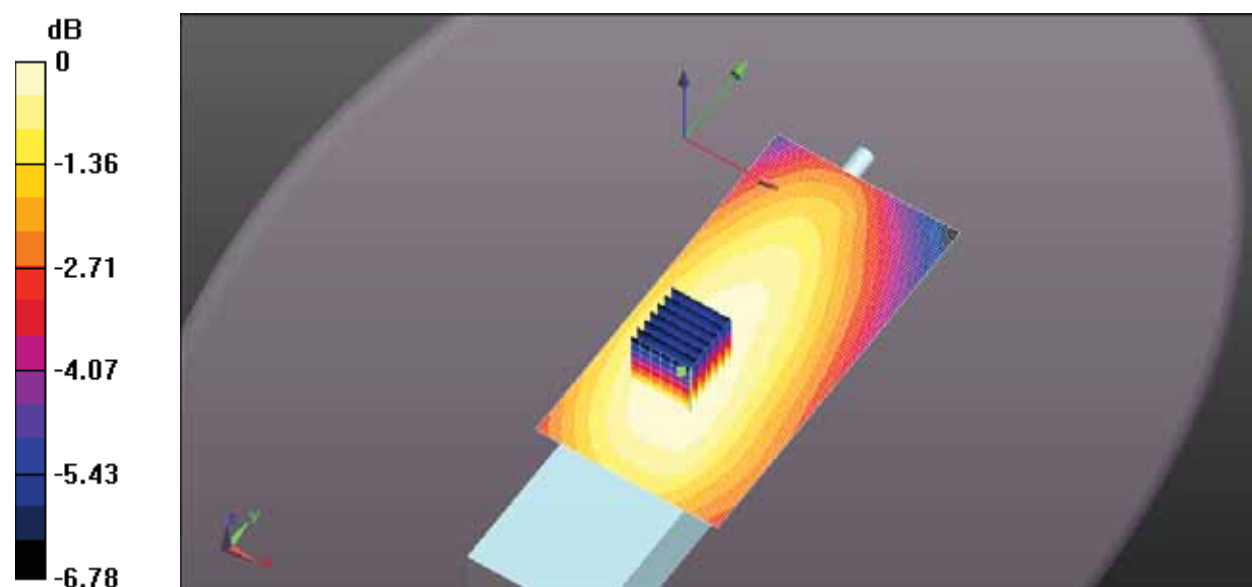
Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.187 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.306 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.316 W/kg



0 dB = 0.306 W/kg = -5.14 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 157mm 161.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 161.3 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 162$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 49.087$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 43.95 V/m; Power Drift = -0.37 dB

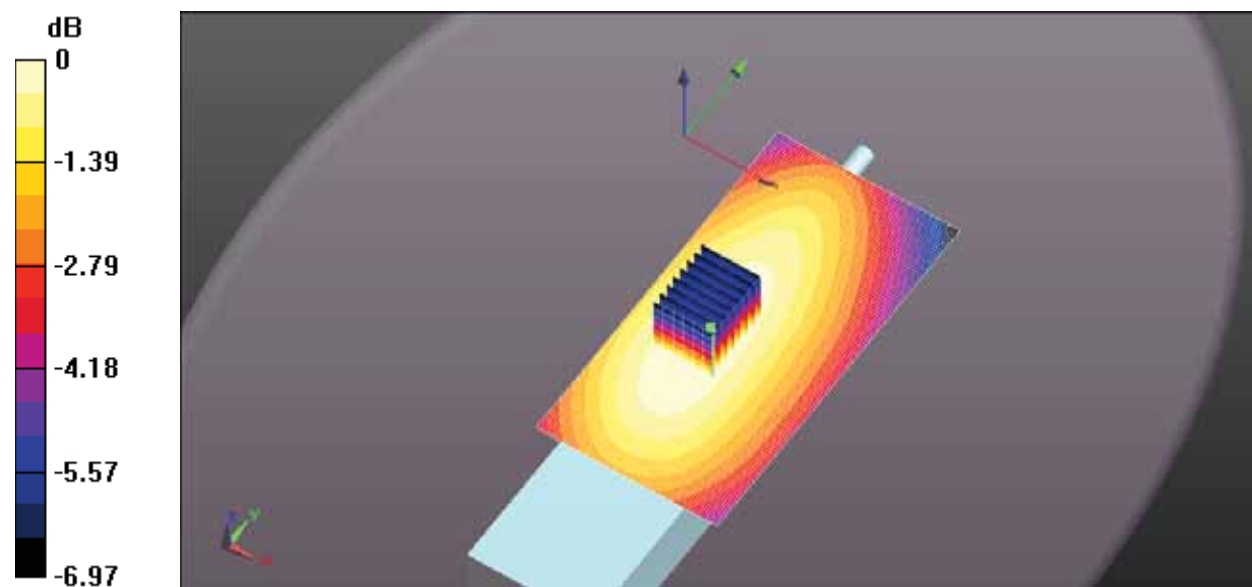
Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.839 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.42 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.44 W/kg



0 dB = 1.42 W/kg = 1.53 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 157mm 174Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 48.237$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 23.49 V/m; Power Drift = -0.14 dB

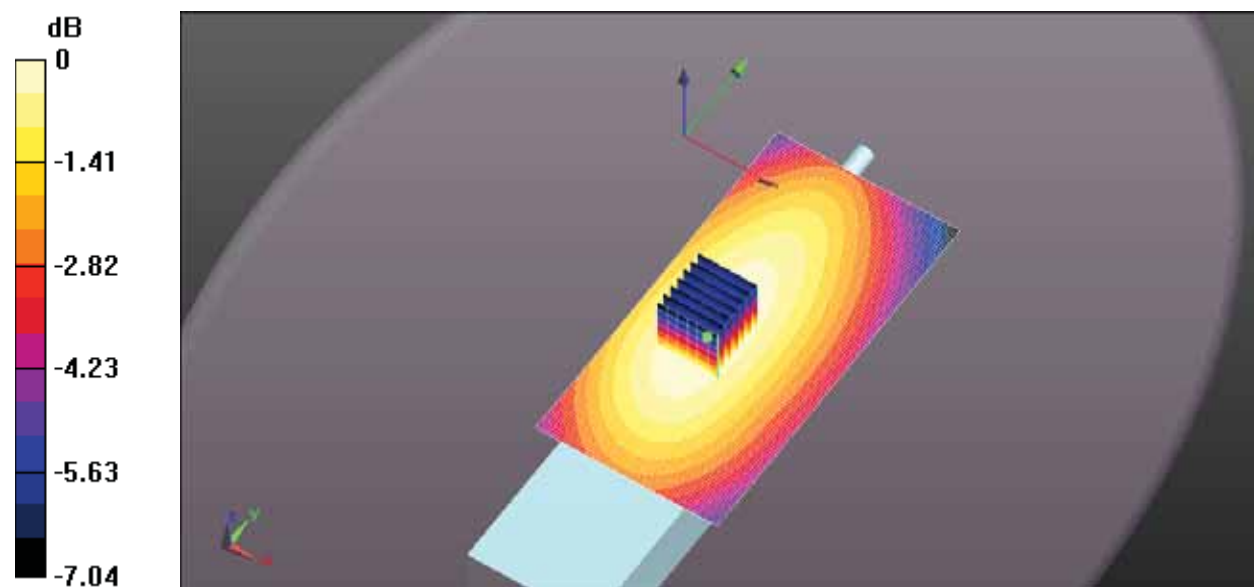
Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.261 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.449 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.449 W/kg



0 dB = 0.449 W/kg = -3.47 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 151mm 155Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.754$ S/m; $\epsilon_r = 49.816$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 30.41 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.813 W/kg

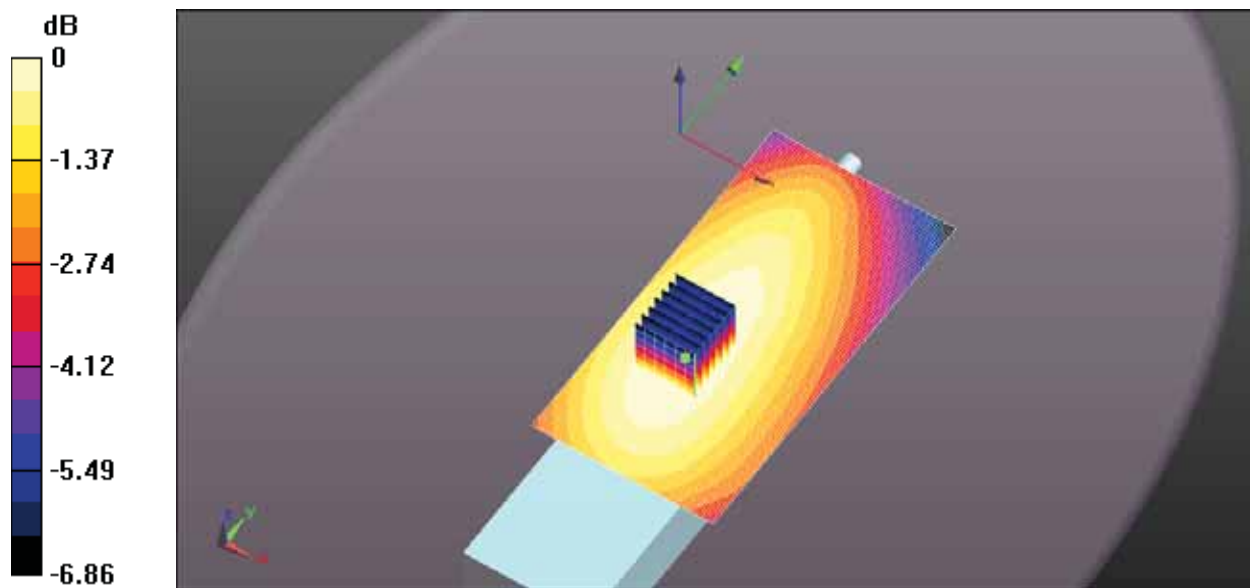
SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.408 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.690 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.680 W/kg



0 dB = 0.690 W/kg = -1.61 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 151mm 142.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 142.3 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 142.3$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 51.465$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 17.59 V/m; Power Drift = -0.90 dB

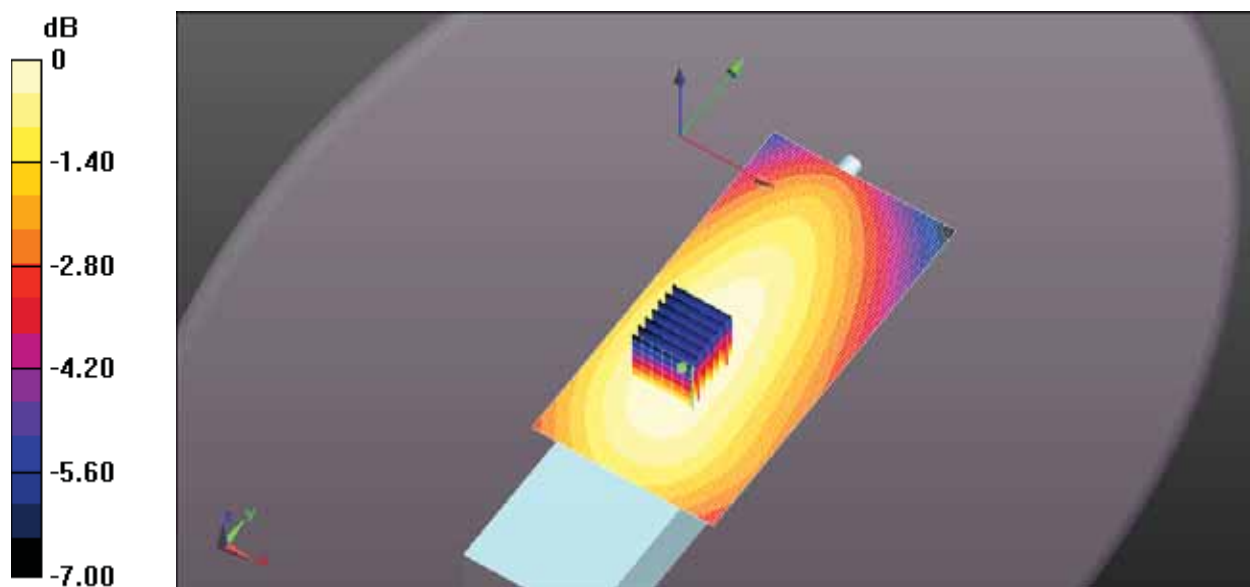
Peak SAR (extrapolated) = 0.233 W/kg

SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.119 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.198 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.210 W/kg



0 dB = 0.198 W/kg = -7.04 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 151mm 167.7Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 167.7 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 168$ MHz; $\sigma = 0.764$ S/m; $\epsilon_r = 48.768$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 68.12 V/m; Power Drift = -1.21 dB

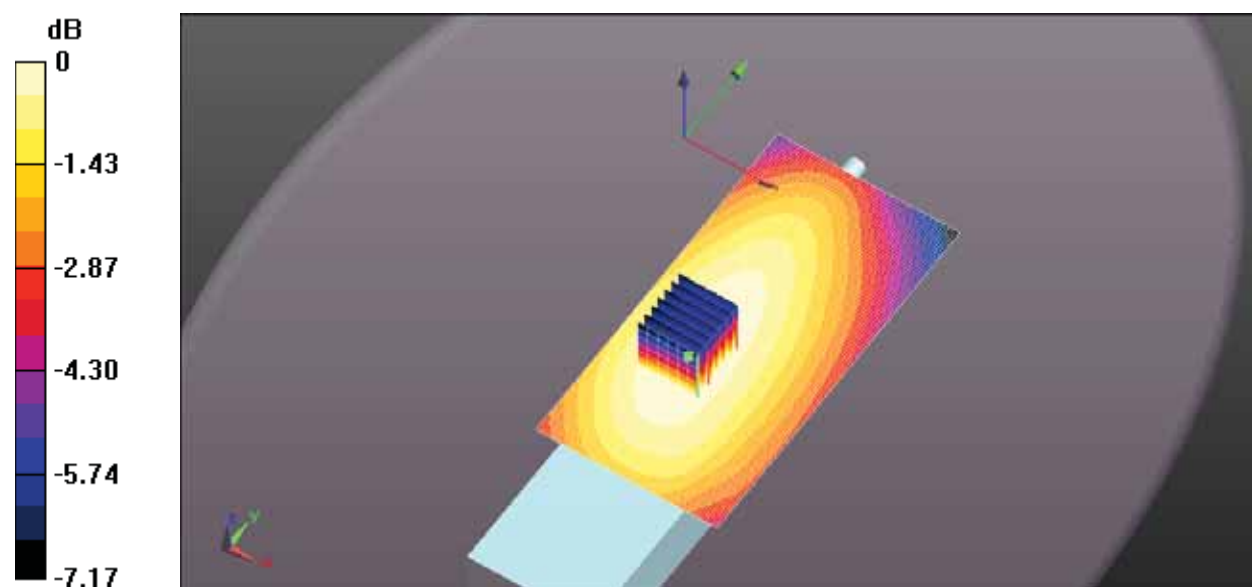
Peak SAR (extrapolated) = 3.42 W/kg

SAR(1 g) = 2.26 W/kg; SAR(10 g) = 1.72 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.92 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.11 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 146mm 160Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 160 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 160$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 49.238$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- 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-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.71 V/m; Power Drift = -0.34 dB

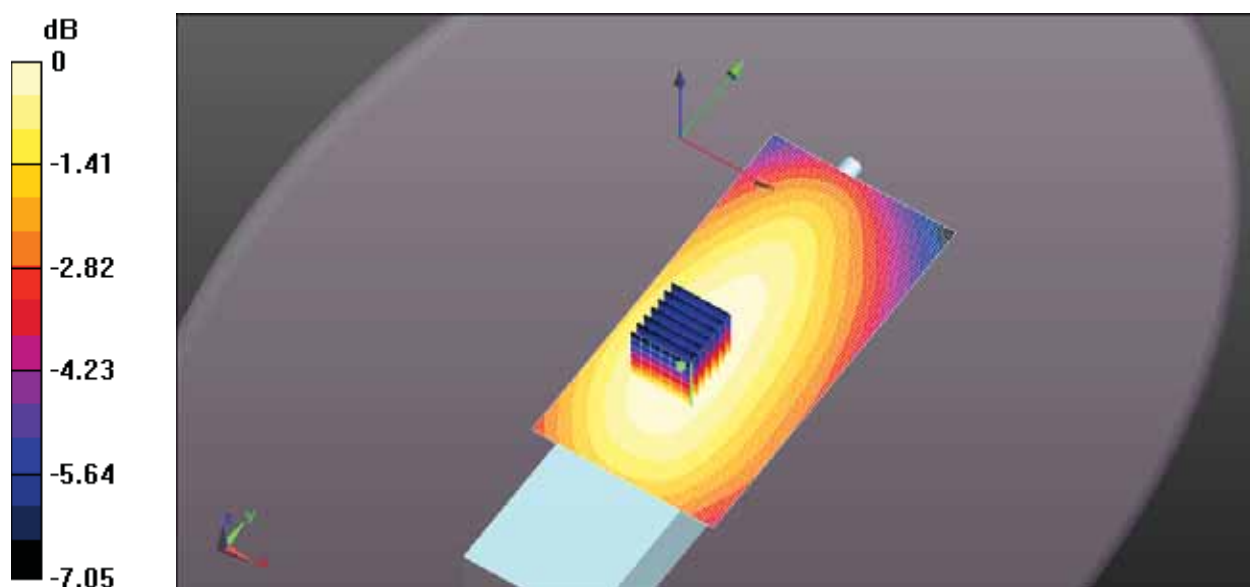
Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.835 W/kg; SAR(10 g) = 0.634 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.08 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 146mm 148.7Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 148.7 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 148.7$ MHz; $\sigma = 0.747$ S/m; $\epsilon_r = 50.646$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan

(7x7x7) (10x11x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.44 V/m; Power Drift = -0.30 dB

Peak SAR (extrapolated) = 0.582 W/kg

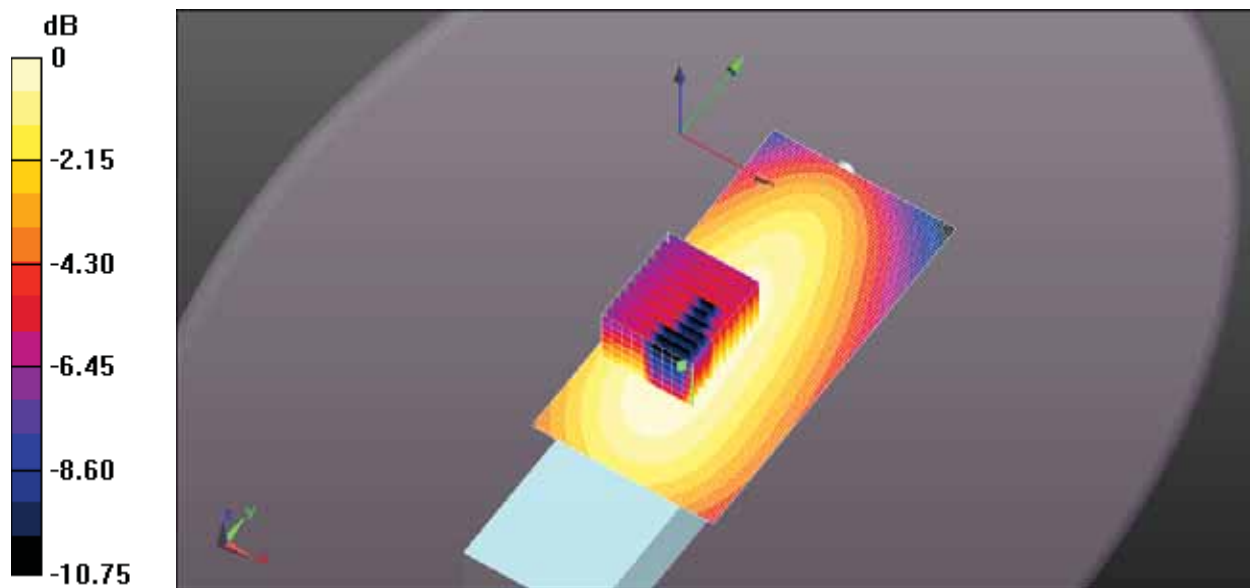
SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.230 W/kg (SAR corrected for target medium)

.Maximum value of SAR (measured) = 0.411 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.423 W/kg



0 dB = 0.411 W/kg = -3.86 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 146mm 136Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.735$ S/m; $\epsilon_r = 52.207$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.73 V/m; Power Drift = -0.21 dB

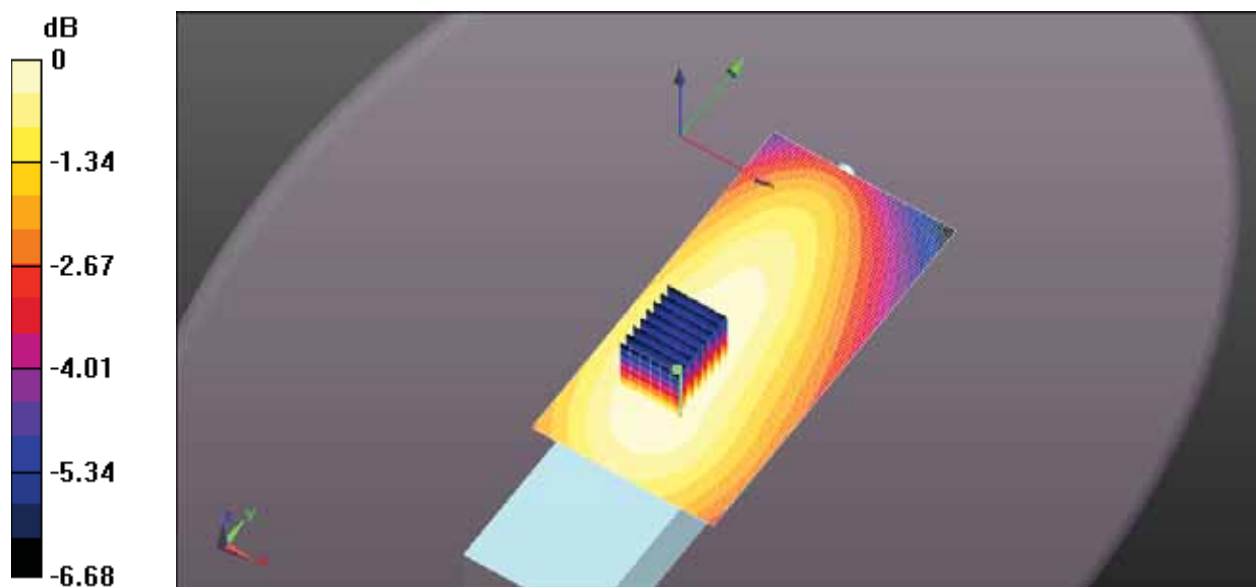
Peak SAR (extrapolated) = 0.205 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.108 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.175 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.177 W/kg



0 dB = 0.175 W/kg = -7.56 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 146mm 174Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 174 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 174$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 48.237$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 46.17 V/m; Power Drift = -0.34 dB

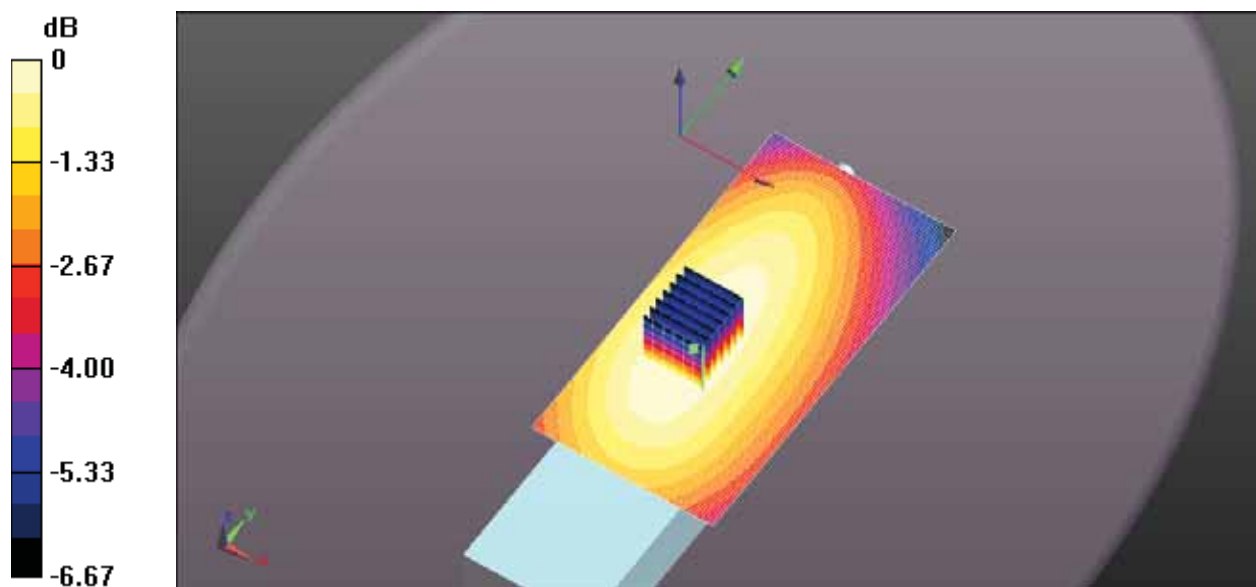
Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.957 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.60 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.63 W/kg



0 dB = 1.60 W/kg = 2.05 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 141mm 165Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 165 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 165$ MHz; $\sigma = 0.762$ S/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 39.40 V/m; Power Drift = -0.40 dB

Peak SAR (extrapolated) = 1.28 W/kg

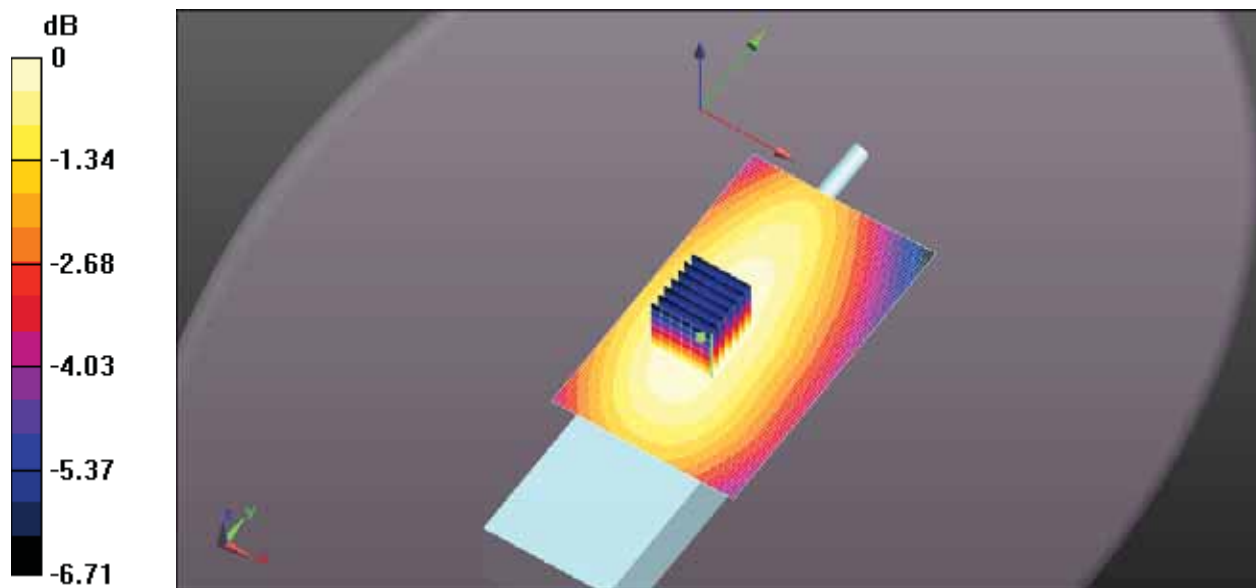
SAR(1 g) = 0.858 W/kg; SAR(10 g) = 0.657 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 1.10 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.12 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 141mm 155Mhz.da52:0**DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102**

Communication System: UID 10000, CW ; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155 \text{ MHz}$; $\sigma = 0.754 \text{ S/m}$; $\epsilon_r = 49.816$; $\rho = 1000 \text{ kg/m}^3$; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan**(7x7x7) (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 24.30 V/m; Power Drift = -0.21 dB

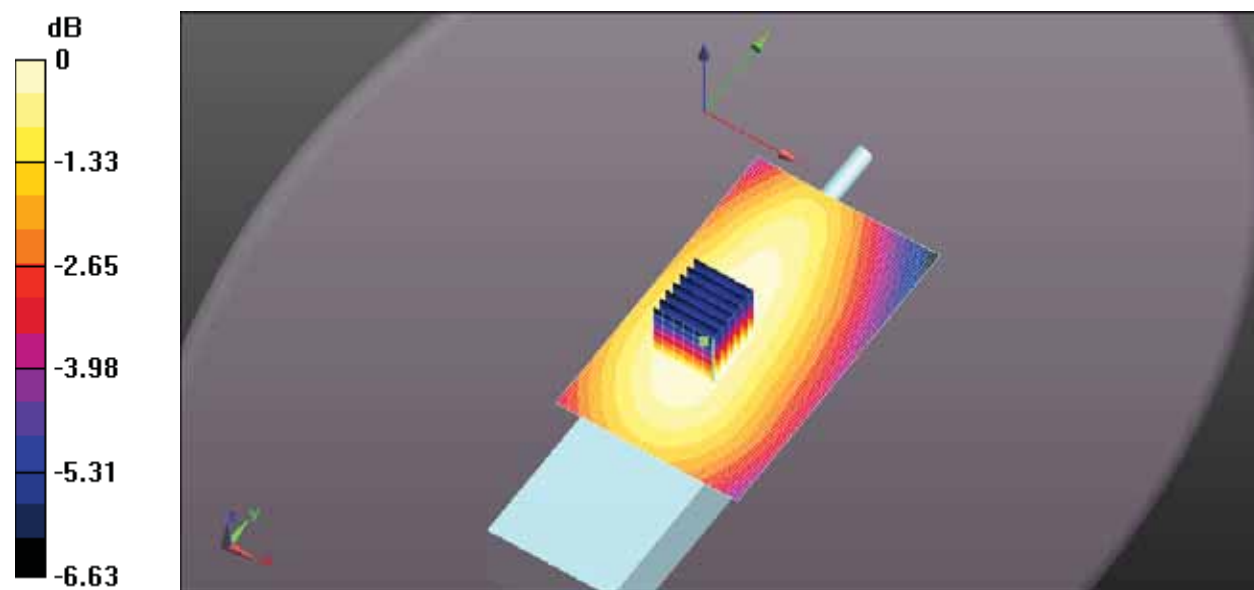
Peak SAR (extrapolated) = 0.502 W/kg

SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.259 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.430 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan**(61x101x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$.

Maximum value of SAR (interpolated) = 0.433 W/kg



0 dB = 0.430 W/kg = -3.67 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 141mm 142.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 142.3 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 142.3$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 51.465$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 17.07 V/m; Power Drift = -1.64 dB

Peak SAR (extrapolated) = 0.183 W/kg

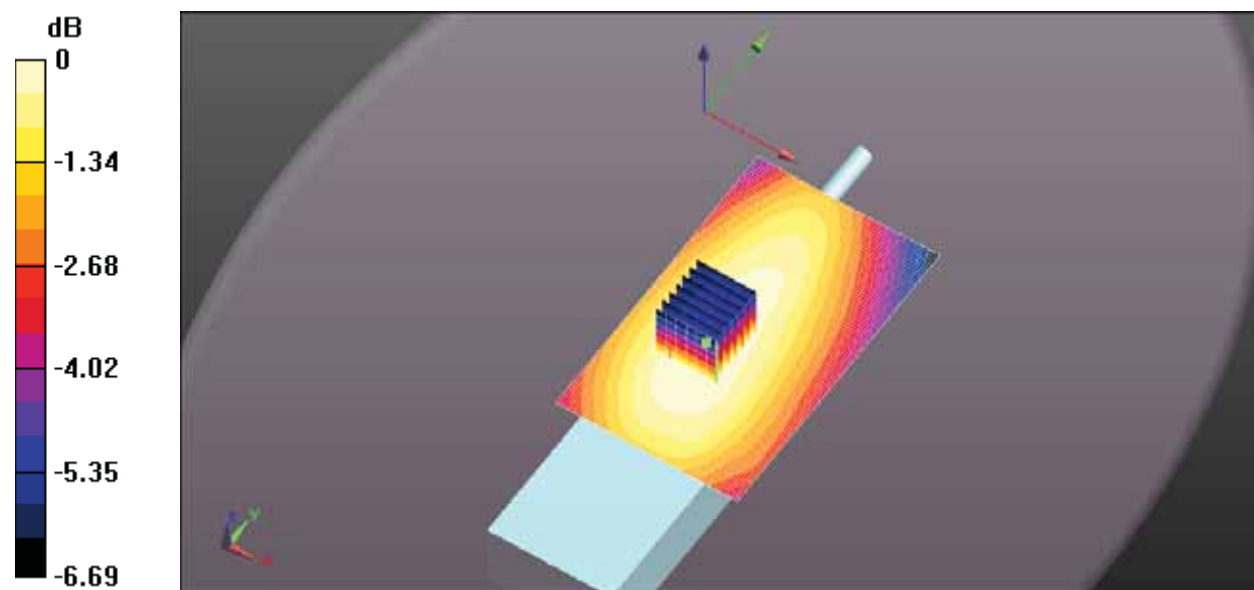
SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.095 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.156 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.172 W/kg



0 dB = 0.156 W/kg = -8.07 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 137mm 170Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 170 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 170$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 48.418$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 43.14 V/m; Power Drift = -0.22 dB

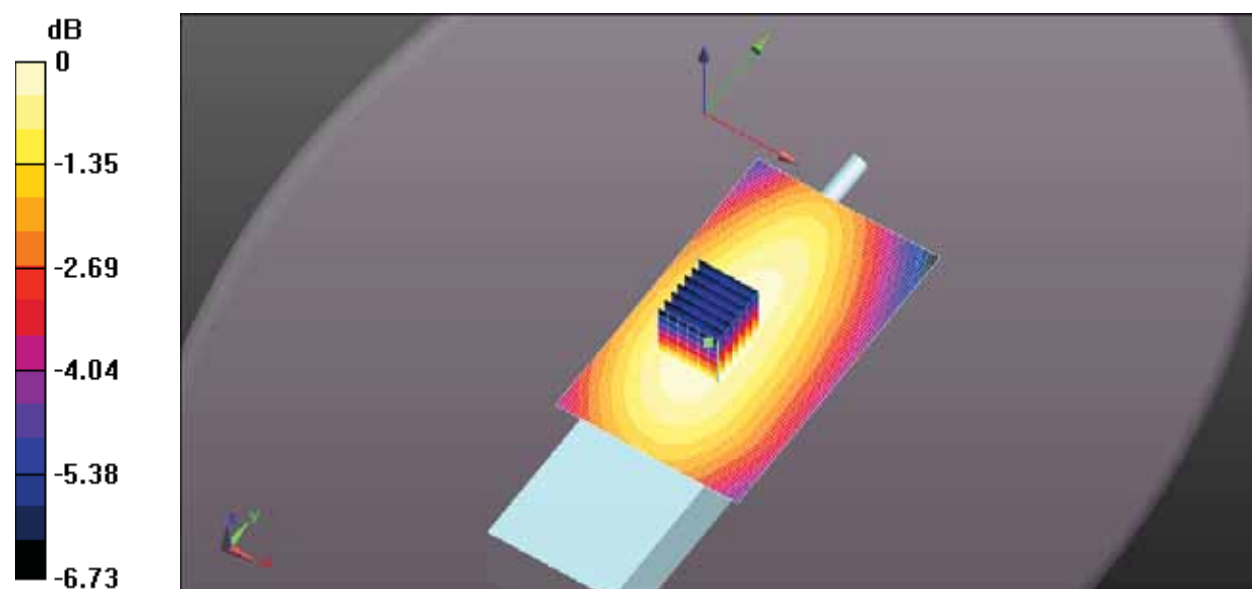
Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.820 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.37 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.39 W/kg



0 dB = 1.37 W/kg = 1.37 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 137mm 155Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 155 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 155$ MHz; $\sigma = 0.754$ S/m; $\epsilon_r = 49.816$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 21.23 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.400 W/kg

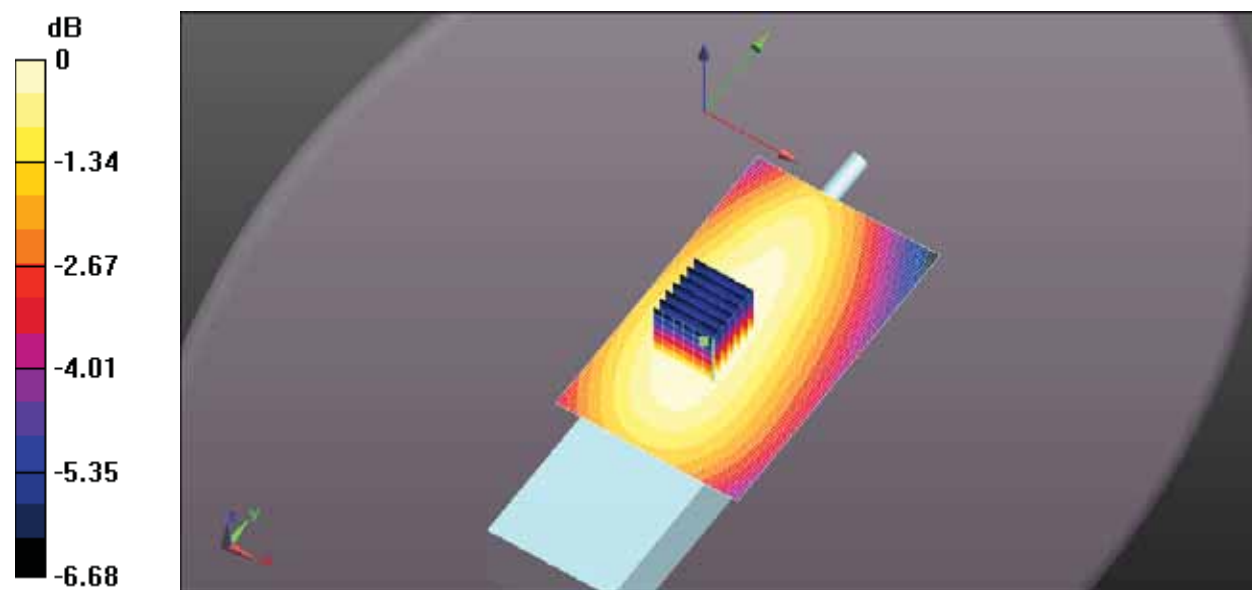
SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.204 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.342 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.340 W/kg



0 dB = 0.342 W/kg = -4.66 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 137mm 142.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 142.3 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 142.3$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 51.465$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan

(7x7x7) (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.54 V/m; Power Drift = -0.38 dB

Peak SAR (extrapolated) = 0.182 W/kg

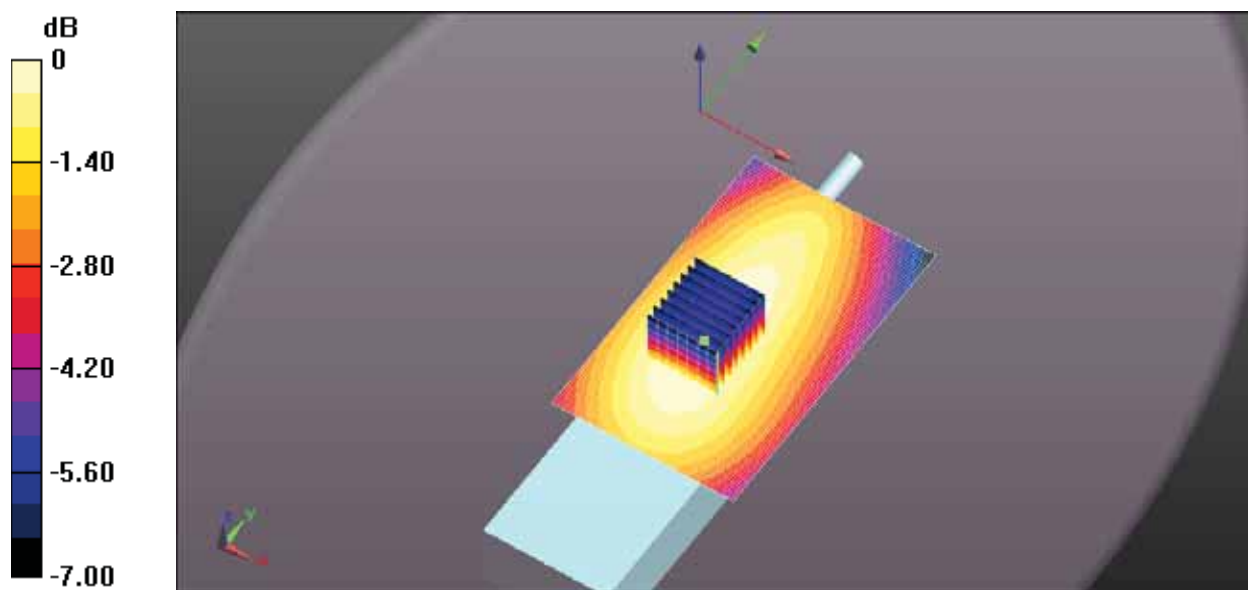
SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.094 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.154 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.155 W/kg



0 dB = 0.154 W/kg = -8.11 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 133mm 174Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 174 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 174$ MHz; $\sigma = 0.77$ S/m; $\epsilon_r = 48.237$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 46.86 V/m; Power Drift = -0.53 dB

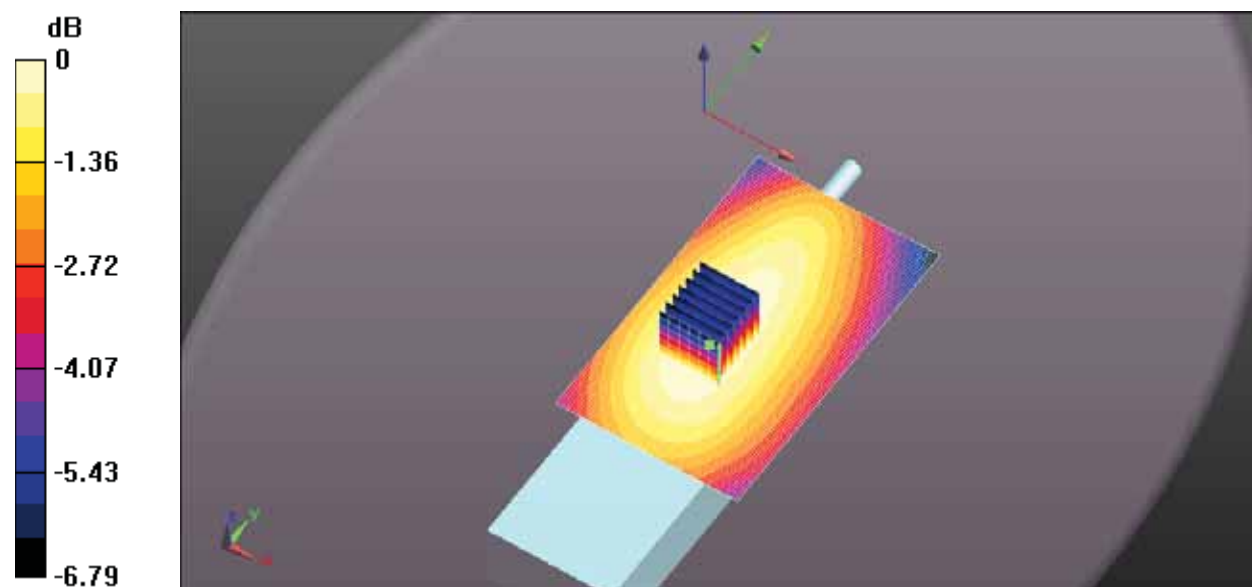
Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.925 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.55 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.60 W/kg



0 dB = 1.55 W/kg = 1.89 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 133mm 161.3Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 161.3 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 162$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 49.087$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for 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 = 22.39 V/m; Power Drift = -0.05 dB

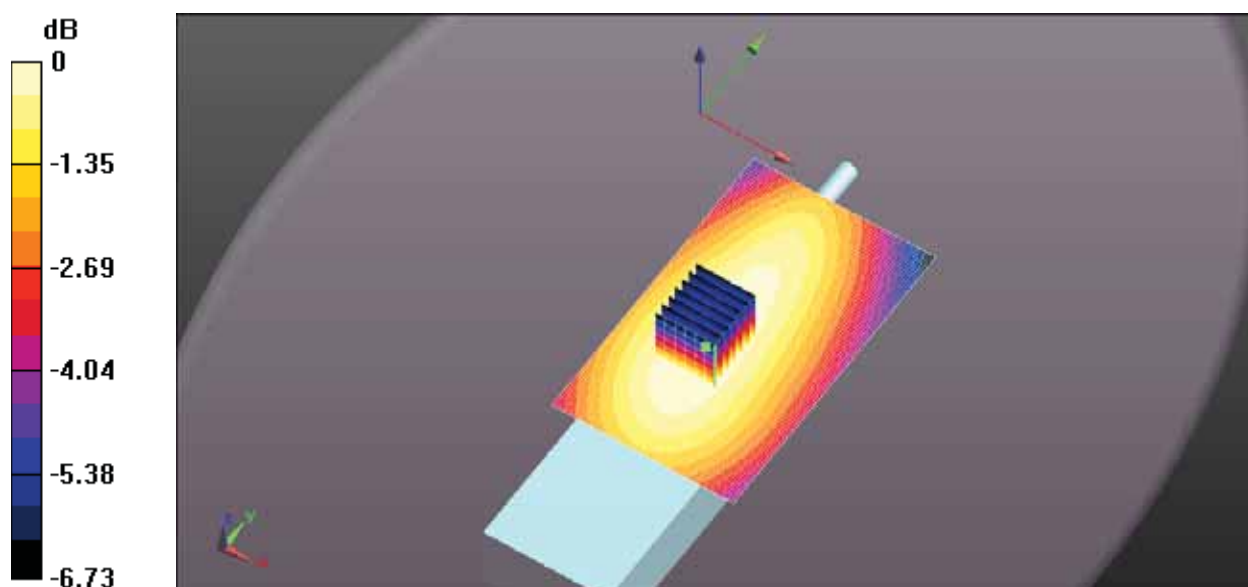
Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.226 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.381 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.378 W/kg



0 dB = 0.381 W/kg = -4.19 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 133mm 148.7Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 148.7 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 148.7$ MHz; $\sigma = 0.747$ S/m; $\epsilon_r = 50.646$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan

(7x7x7) (8x10x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.99 V/m; Power Drift = -4.36 dB

Peak SAR (extrapolated) = 0.261 W/kg

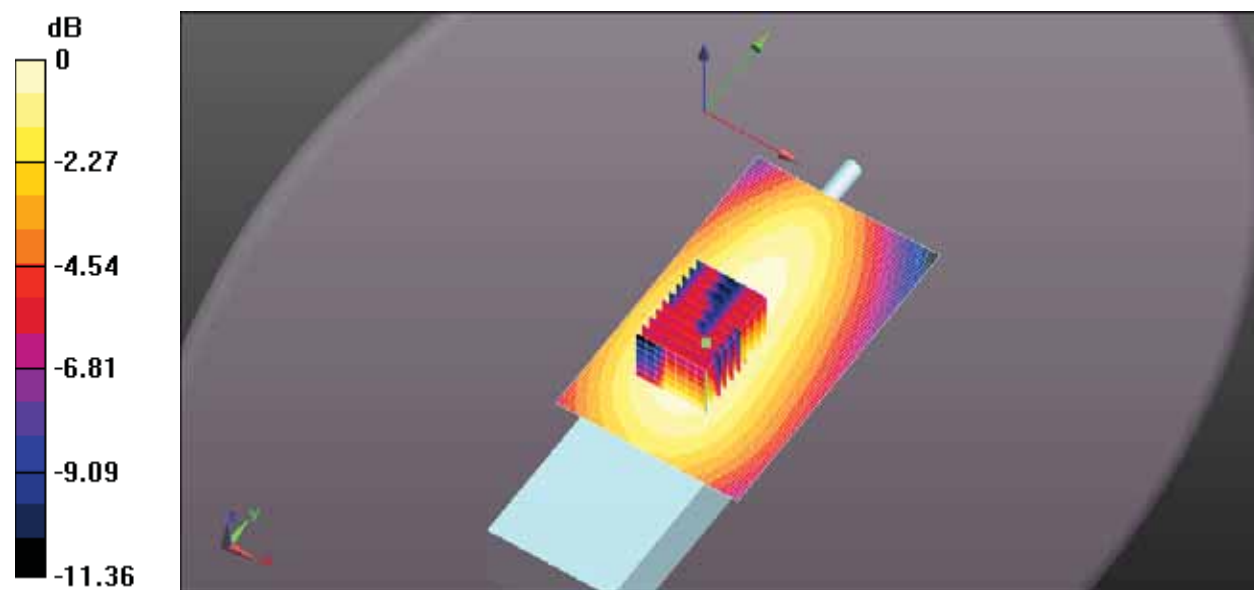
SAR(1 g) = 0.150 W/kg; SAR(10 g) = 0.111 W/kg (SAR corrected for target medium).

Maximum value of SAR (measured) = 0.190 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan

(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm.

Maximum value of SAR (interpolated) = 0.190 W/kg



0 dB = 0.190 W/kg = -7.21 dBW/kg

File Name: ICOM-494Q Head FA-SC61VC 133mm 136Mhz.da52:0

DUT: IC-F52D-UL; Type: Portable VHF Transceiver; Serial: 11000102

Communication System: UID 10000, CW ; Frequency: 136 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 136$ MHz; $\sigma = 0.735$ S/m; $\epsilon_r = 52.207$; $\rho = 1000$ kg/m³ ; Phantom section: Flat Section ; Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.71, 10.71, 10.71); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS5 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Zoom Scan (7x7x7) (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.51 V/m; Power Drift = -0.53 dB

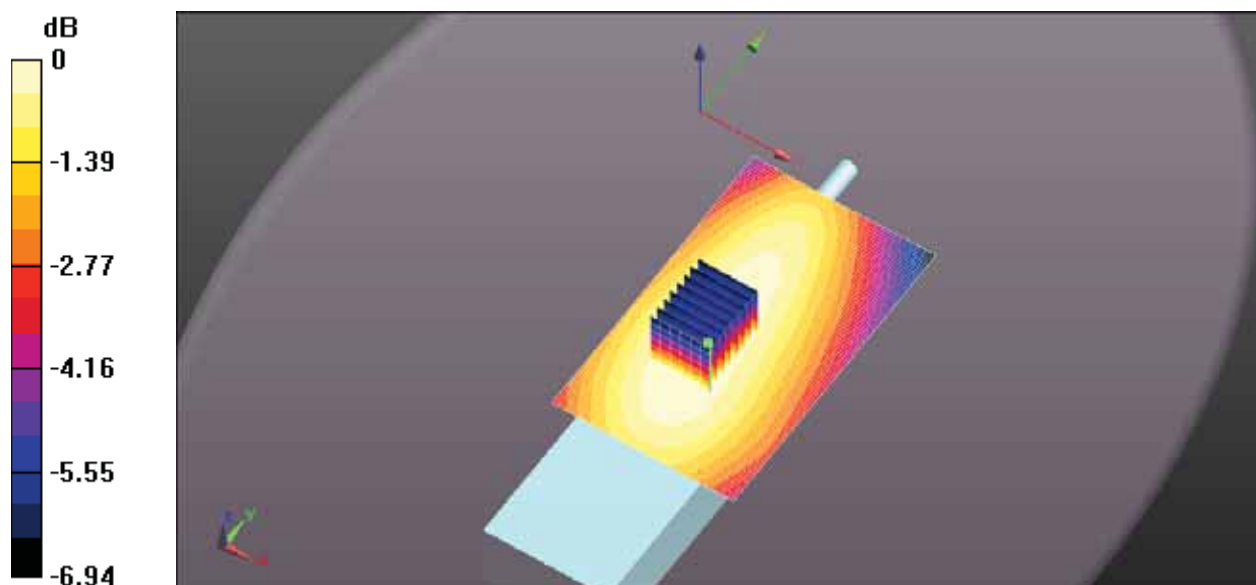
Peak SAR (extrapolated) = 0.104 W/kg

SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.054 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 0.0893 W/kg

Configuration Head for IC-F52D-UL/Head Front, P=5W, d=25mm/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0920 W/kg



0 dB = 0.0893 W/kg = -10.49 dBW/kg