

APPENDIX 1

SAR Measurement Data

Table of Contents

EXHIBIT 1. PRESCAN MEASUREMENT SUMMARY.....	4
FILE NAME: ICOM-554Q HEAD PRESCAN FA-SC57U 470MHZ BP-278.DA52:0.....	5
FILE NAME: ICOM-554Q HEAD PRESCAN FA-SC57U 470MHZ BP-279.DA52:0.....	6
FILE NAME: ICOM-554Q HEAD PRESCAN FA-SC57U 470MHZ BP-280.DA52:0.....	7
FILE NAME: ICOM-554Q BODY PRESCAN FA-SC57U 470MHZ BP-278 & MB-133 HM-159LA.DA52:0.....	8
FILE NAME: ICOM-554Q BODY PRESCAN FA-SC57U 470MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	9
FILE NAME: ICOM-554Q BODY PRESCAN FA-SC57U 470MHZ BP-280 & MB-133 HM-159LA.DA52:0.....	10
EXHIBIT 2. HEAD SAR MEASUREMENTS.....	11
FILE NAME: ICOM-554Q HEAD FA-SC57U 470MHZ BP-280.DA52:0.....	13
FILE NAME: ICOM-554Q HEAD FA-SC57U 430MHZ BP-280.DA52:0.....	14
FILE NAME: ICOM-554Q HEAD FA-SC57U 450MHZ BP-280.DA52:0.....	15
FILE NAME: ICOM-554Q HEAD FA-SC25U 400MHZ BP-280.DA52:0.....	16
FILE NAME: ICOM-554Q HEAD FA-SC25U 430MHZ BP-280.DA52:0.....	17
FILE NAME: ICOM-554Q HEAD FA-SC26US 450MHZ BP-280.DA52:0.....	18
FILE NAME: ICOM-554Q HEAD FA-SC26US 425MHZ BP-280.DA52:0.....	19
FILE NAME: ICOM-554Q HEAD FA-SC26US 400MHZ BP-280.DA52:0.....	20
FILE NAME: ICOM-554Q HEAD FA-SC73US 470MHZ BP-280.DA52:0.....	21
FILE NAME: ICOM-554Q HEAD FA-SC73US 450MHZ BP-280.DA52:0.....	22
FILE NAME: ICOM-554Q HEAD FA-SC61UC 400MHZ 165MM BP-280.DA52:0.....	23
FILE NAME: ICOM-554Q HEAD FA-SC61UC 440MHZ 165MM BP-280.DA52:0.....	24
FILE NAME: ICOM-554Q HEAD FA-SC61UC 470MHZ 165MM BP-280.DA52:0.....	25
FILE NAME: ICOM-554Q HEAD FA-SC61UC 420MHZ 156MM BP-280.DA52:0.....	26
FILE NAME: ICOM-554Q HEAD FA-SC61UC 460MHZ 156MM BP-280.DA52:0.....	27
FILE NAME: ICOM-554Q HEAD FA-SC61UC 440MHZ 148MM BP-280.DA52:0.....	28
FILE NAME: ICOM-554Q HEAD FA-SC61UC 400MHZ 148MM BP-280.DA52:0.....	29
FILE NAME: ICOM-554Q HEAD FA-SC61UC 470MHZ 148MM BP-280.DA52:0.....	30
FILE NAME: ICOM-554Q HEAD FA-SC61UC 460MHZ 148MM BP-280.DA52:0.....	31
FILE NAME: ICOM-554Q HEAD FA-SC61UC 420MHZ 148MM BP-280.DA52:0.....	32
FILE NAME: ICOM-554Q HEAD FA-SC61UC 460MHZ 142MM BP-280.DA52:0.....	33
FILE NAME: ICOM-554Q HEAD FA-SC61UC 420MHZ 142MM BP-280.DA52:0.....	34
FILE NAME: ICOM-554Q HEAD FA-SC61UC 470MHZ 136MM BP-280.DA52:0.....	35
FILE NAME: ICOM-554Q HEAD FA-SC61UC 400MHZ 136MM BP-280.DA52:0.....	36
FILE NAME: ICOM-554Q HEAD FA-SC61UC 440MHZ 136MM BP-280.DA52:0.....	37
EXHIBIT 3. BODY SAR MEASUREMENTS.....	38
FILE NAME: ICOM-554Q BODY FA-SC57U 470MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	40
FILE NAME: ICOM-554Q BODY FA-SC57U 430MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	41
FILE NAME: ICOM-554Q BODY FA-SC57U 450MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	42
FILE NAME: ICOM-554Q BODY FA-SC25U 400MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	43
FILE NAME: ICOM-554Q BODY FA-SC25U 430MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	44
FILE NAME: ICOM-554Q BODY FA-SC25U 415MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	45
FILE NAME: ICOM-554Q BODY FA-SC26US 450MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	46
FILE NAME: ICOM-554Q BODY FA-SC26US 425MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	47
FILE NAME: ICOM-554Q BODY FA-SC26US 400MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	48
FILE NAME: ICOM-554Q BODY FA-SC73US 470MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	49
FILE NAME: ICOM-554Q BODY FA-SC73US 460MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	50
FILE NAME: ICOM-554Q BODY FA-SC73US 450MHZ BP-279 & MB-133 HM-159LA.DA52:0.....	51
FILE NAME: ICOM-554Q BODY FA-SC61UC 400MHZ 165MM BP-279 & MB-133 HM-159LA.DA52:0.....	52
FILE NAME: ICOM-554Q BODY FA-SC61UC 420MHZ 165MM BP-279 & MB-133 HM-159LA.DA52:0.....	53
FILE NAME: ICOM-554Q BODY FA-SC61UC 440MHZ 165MM BP-279 & MB-133 HM-159LA.DA52:0.....	54
FILE NAME: ICOM-554Q BODY FA-SC61UC 460MHZ 165MM BP-279 & MB-133 HM-159LA.DA52:0.....	55
FILE NAME: ICOM-554Q BODY FA-SC61UC 470MHZ 165MM BP-279 & MB-133 HM-159LA.DA52:0.....	56
FILE NAME: ICOM-554Q BODY FA-SC61UC 420MHZ 156MM BP-279 & MB-133 HM-159LA.DA52:0.....	57

FILE NAME: ICOM-554Q BODY FA-SC61UC 460MHZ 156MM BP-279 & MB-133 HM-159LA.DA52:0	58
FILE NAME: ICOM-554Q BODY FA-SC61UC 440MHZ 148MM BP-279 & MB-133 HM-159LA.DA52:0	59
FILE NAME: ICOM-554Q BODY FA-SC61UC 420MHZ 148MM BP-279 & MB-133 HM-159LA.DA52:0	60
FILE NAME: ICOM-554Q BODY FA-SC61UC 460MHZ 148MM BP-279 & MB-133 HM-159LA.DA52:0	61
FILE NAME: ICOM-554Q BODY FA-SC61UC 470MHZ 148MM BP-279 & MB-133 HM-159LA.DA52:0	62
FILE NAME: ICOM-554Q BODY FA-SC61UC 400MHZ 148MM BP-279 & MB-133 HM-159LA.DA52:0	63
FILE NAME: ICOM-554Q BODY FA-SC61UC 460MHZ 142MM BP-279 & MB-133 HM-159LA.DA52:0	64
FILE NAME: ICOM-554Q BODY FA-SC61UC 440MHZ 142MM BP-279 & MB-133 HM-159LA.DA52:0	65
FILE NAME: ICOM-554Q BODY FA-SC61UC 420MHZ 142MM BP-279 & MB-133 HM-159LA.DA52:0	66
FILE NAME: ICOM-554Q BODY FA-SC61UC 400MHZ 142MM BP-279 & MB-133 HM-159LA.DA52:0	67
FILE NAME: ICOM-554Q BODY FA-SC61UC 470MHZ 142MM BP-279 & MB-133 HM-159LA.DA52:0	68
FILE NAME: ICOM-554Q BODY FA-SC61UC 470MHZ 136MM BP-279 & MB-133 HM-159LA.DA52:0	69
FILE NAME: ICOM-554Q BODY FA-SC61UC 440MHZ 136MM BP-279 & MB-133 HM-159LA.DA52:0	70
FILE NAME: ICOM-554Q BODY FA-SC61UC 400MHZ 136MM BP-279 & MB-133 HM-159LA.DA52:0	71

EXHIBIT 1. PRESCAN MEASUREMENT SUMMARY

Head Prescan

Battery	Antenna	Power (W)	CH	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift
				(MHz)			(dB)
BP-278	FA-SC57U	4.30	12	470	6.14	4.43	-0.02
BP-279		4.30	12	470	7.6	5.41	-0.28
BP-280		4.30	12	470	8.67	6.15	-0.84

Body Prescan

Battery with MB-133 & HM-159LA	Antenna	Power (W)	CH	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift
				(MHz)			(dB)
BP-278	FA-SC57U	4.30	12	470	7.18	5.04	-0.34
BP-279		4.30	12	470	7.86	5.51	-0.64
BP-280		4.30	12	470	6.46	4.54	-0.29

FILE NAME: [ICOM-5540 HEAD PRESCAN FA-SC57U 470MHZ BP-278.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 43.903$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.45 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

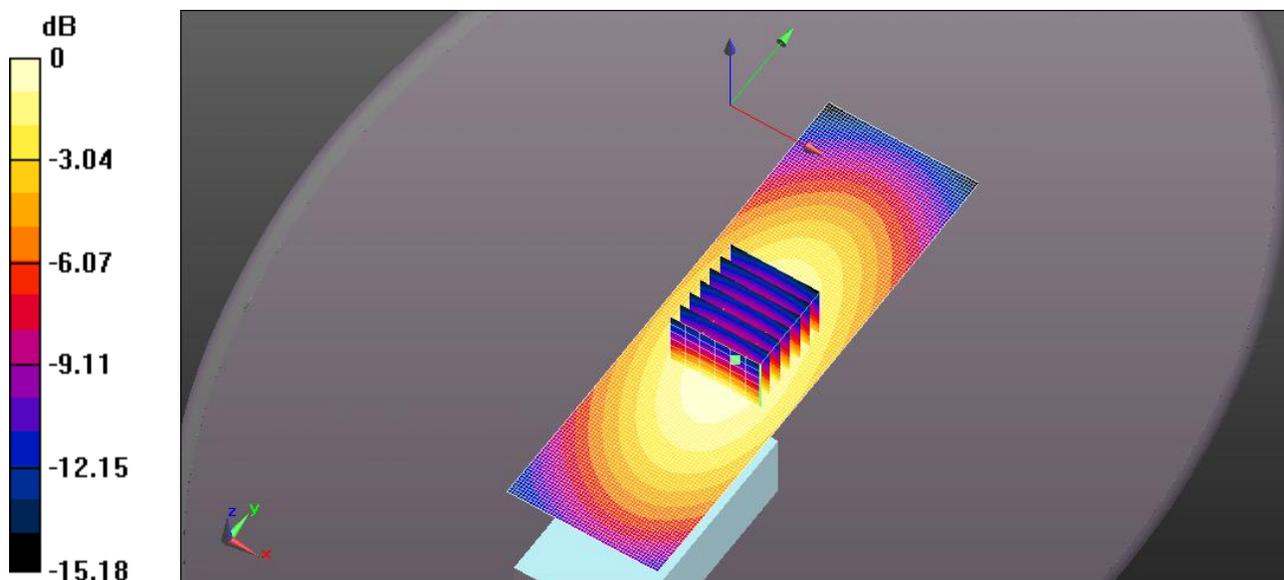
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 89.73 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 9.40 W/kg

SAR(1 g) = 6.14 W/kg; SAR(10 g) = 4.43 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.31 W/kg



0 dB = 7.45 W/kg = 8.72 dBW/kg

FILE NAME: [ICOM-5540 HEAD PRESCAN FA-SC57U 470MHZ BP-279.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 43.903$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.15 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

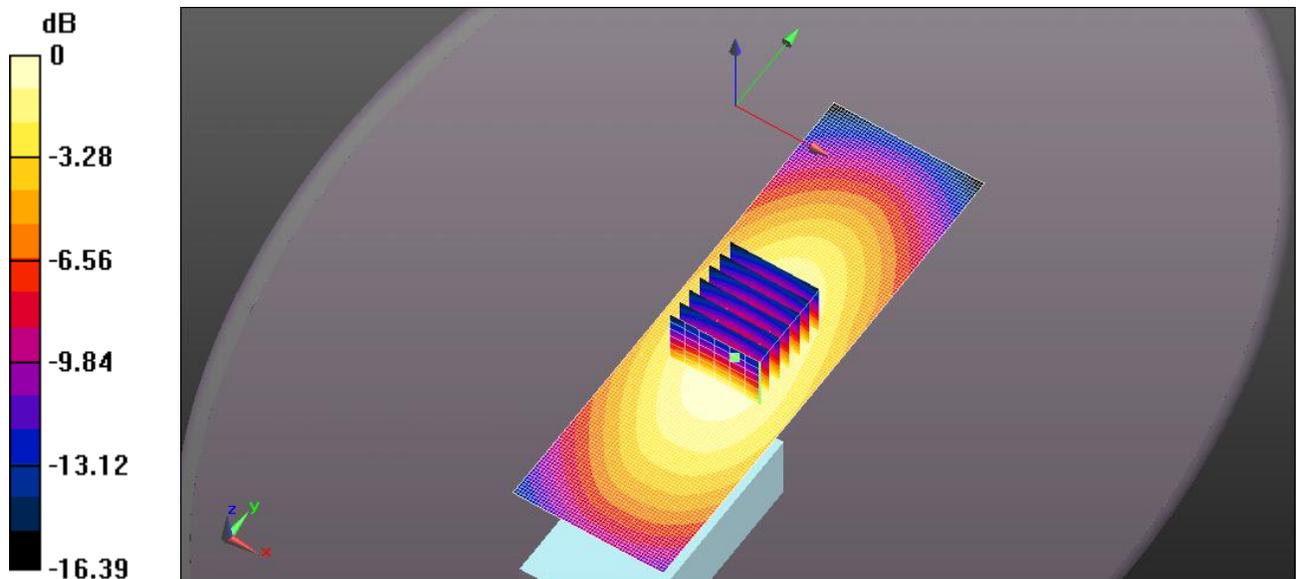
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 102.4 V/m; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 7.6 W/kg; SAR(10 g) = 5.41 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.06 W/kg



0 dB = 9.15 W/kg = 9.61 dBW/kg

FILE NAME: [ICOM-5540 HEAD PRESCAN FA-SC57U 470MHZ BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 43.903$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.9 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

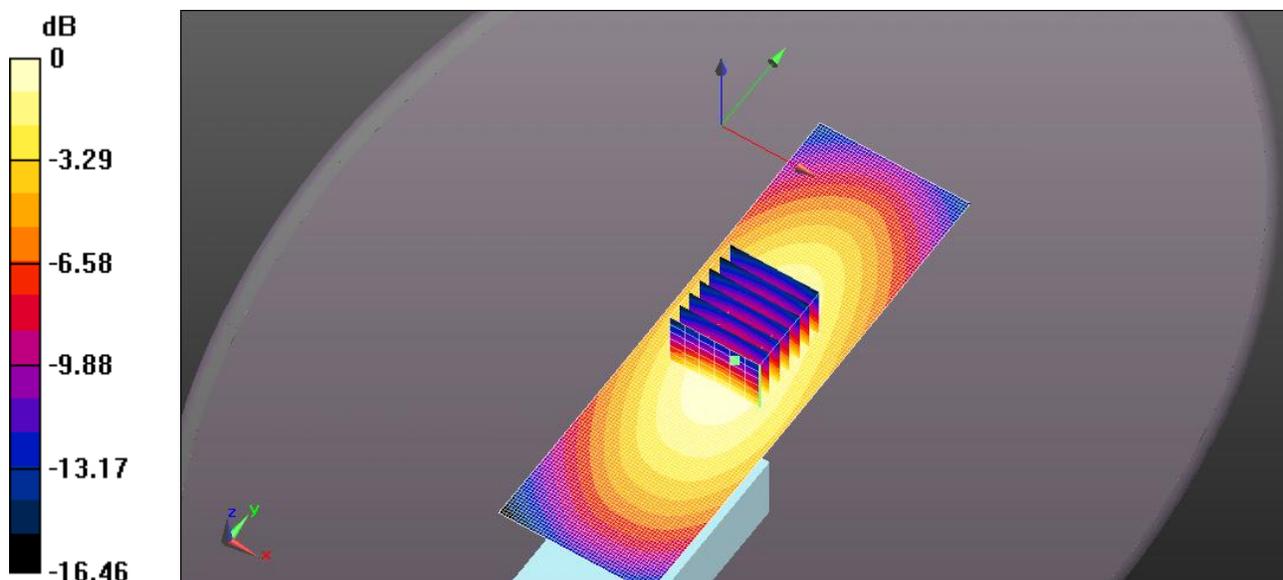
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 115.6 V/m; Power Drift = -0.84 dB

Peak SAR (extrapolated) = 13.6 W/kg

SAR(1 g) = 8.67 W/kg; SAR(10 g) = 6.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.4 W/kg



0 dB = 10.9 W/kg = 10.36 dBW/kg

FILE NAME: [ICOM-5540 BODY PRESCAN FA-SC57U 470MHZ BP-278 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 53.951$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 8.76 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

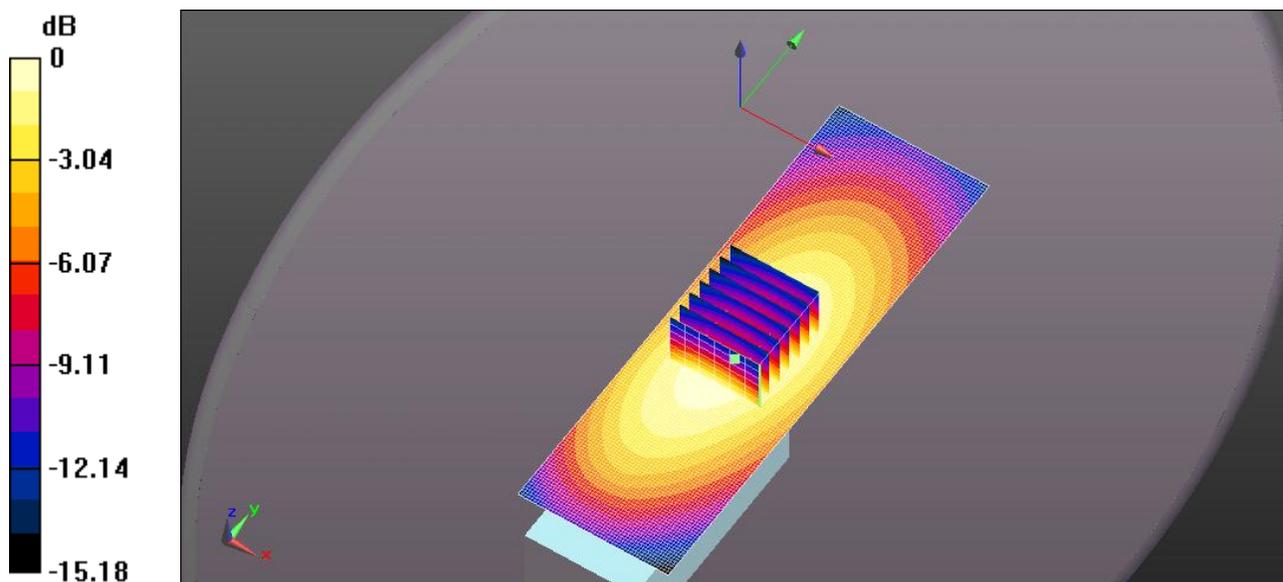
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 95.30 V/m; Power Drift = -0.34 dB

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 7.18 W/kg; SAR(10 g) = 5.04 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.31 W/kg



0 dB = 8.76 W/kg = 9.43 dBW/kg

FILE NAME: [ICOM-5540 BODY PRESCAN FA-SC57U 470MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.95 \text{ S/m}$; $\epsilon_r = 53.951$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 9.27 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

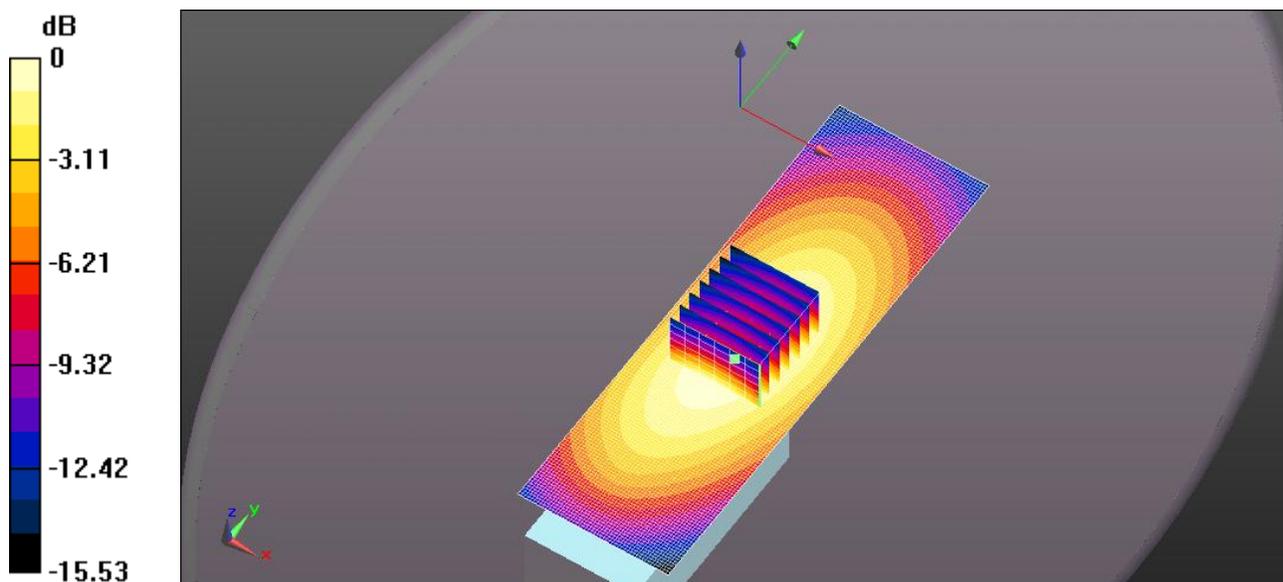
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 103.4 V/m; Power Drift = -0.65 dB

Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 7.86 W/kg; SAR(10 g) = 5.51 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.11 W/kg



0 dB = 9.27 W/kg = 9.67 dBW/kg

FILE NAME: [ICOM-5540 BODY PRESCAN FA-SC57U 470MHZ BP-280 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 53.951$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 7.43 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 92.41 V/m; Power Drift = -0.29 dB

Peak SAR (extrapolated) = 9.81 W/kg

SAR(1 g) = 6.46 W/kg; SAR(10 g) = 4.54 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.50 W/kg

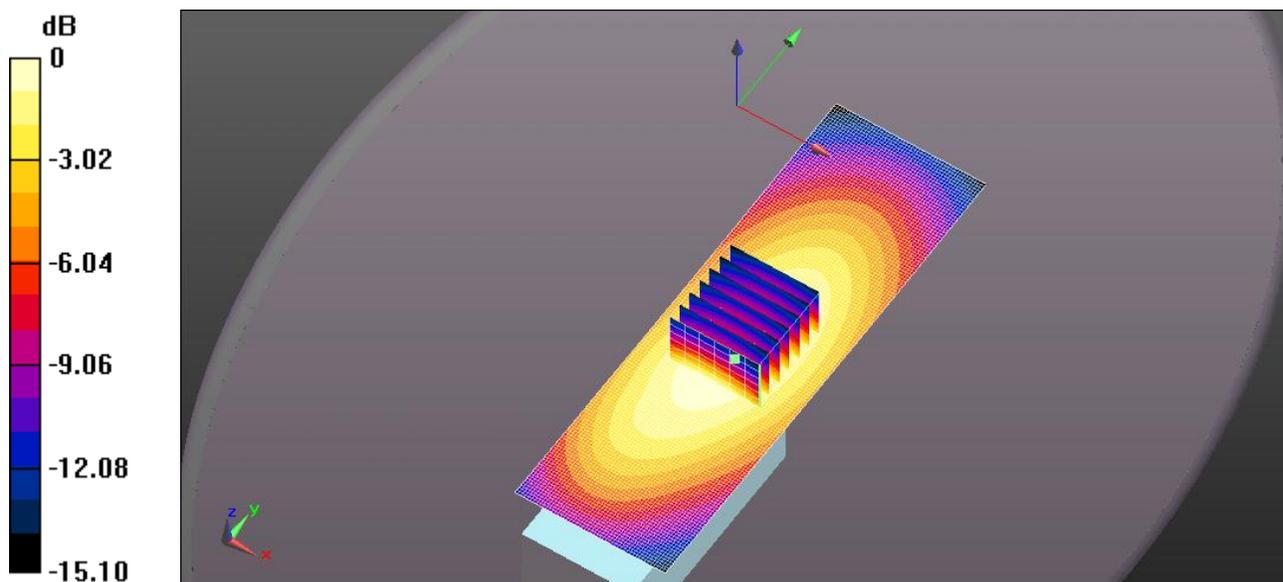


EXHIBIT 2. HEAD SAR MEASUREMENTS

Antenna	Power (W)	C H	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift (dB)
				BP-280	BP-280	
			(MHz)	2400mAh	2400mAh	
FA-SC25U 400-430 MHz	4.08	1	400	4.09	2.98	-0.3
	4.03	3	415	**	**	**
	4.00	6	430	5.71	4.15	-0.38
FA-SC57U 430-470 MHz	4.00	6	430	2.79	2.02	-0.23
	4.18	9	450	4.11	2.97	-0.02
	4.30	12	470	8.67	6.15	-0.84
FA-SC26US 400-450 MHz	4.08	1	400	1.05	0.759	-0.24
	4.00	2	412.5	**	**	**
	4.02	5	425	4.25	3.06	0.04
	4.05	7	437.5	**	**	**
	4.18	9	450	3.07	2.21	-1.53
FA-SC73US 450-470 MHz	4.18	9	450	2.73	1.96	-0.15
	4.25	11	460	**	**	**
	4.30	12	470	5.09	3.64	-0.58

** SAR Test Reduction Applied For PTT Radio

Cut Antenna	Power (W)	C H	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift
				BP-280	BP-280	
			(MHz)	2400mAh	2400mAh	(dB)
FA-SC61UC 400MHz 165mm	4.08	1	400	5.53	4.05	-0.54
	4.00	4	420	**	**	**
	4.09	8	440	4.82	3.51	-0.27
	4.25	11	460	**	**	**
	4.30	12	470	4.14	2.99	-0.26
FA-SC61UC 420MHz 156mm	4.08	1	400	**	**	**
	4.00	4	420	5.35	3.9	-0.32
	4.09	8	440	**	**	**
	4.25	11	460	5.54	4.03	0.15
	4.30	12	470	**	**	**
FA-SC61UC 440MHz 148mm	4.08	1	400	3.02	2.21	-0.55
	4.00	4	420	4.23	3.1	-0.19
	4.09	8	440	5.83	4.26	-0.37
	4.25	11	460	5.47	3.99	-0.03
	4.30	12	470	6.51	4.74	-0.67
FA-SC61UC 460MHz 142mm	4.08	1	400	**	**	**
	4.00	4	420	3.16	2.31	-0.22
	4.09	8	440	**	**	**
	4.25	11	460	5.25	3.83	-0.09
	4.30	12	470	**	**	**
FA-SC61UC 480MHz 136mm	4.08	1	400	1.57	1.15	0.08
	4.00	4	420	**	**	**
	4.09	8	440	4.03	2.95	-0.11
	4.25	11	460	**	**	**
	4.30	12	470	5.07	3.69	-0.26

** SAR Test Reduction Applied For PTT Radio

FILE NAME: [ICOM-5540 HEAD FA-SC57U 470MHZ BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 43.903$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.9 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

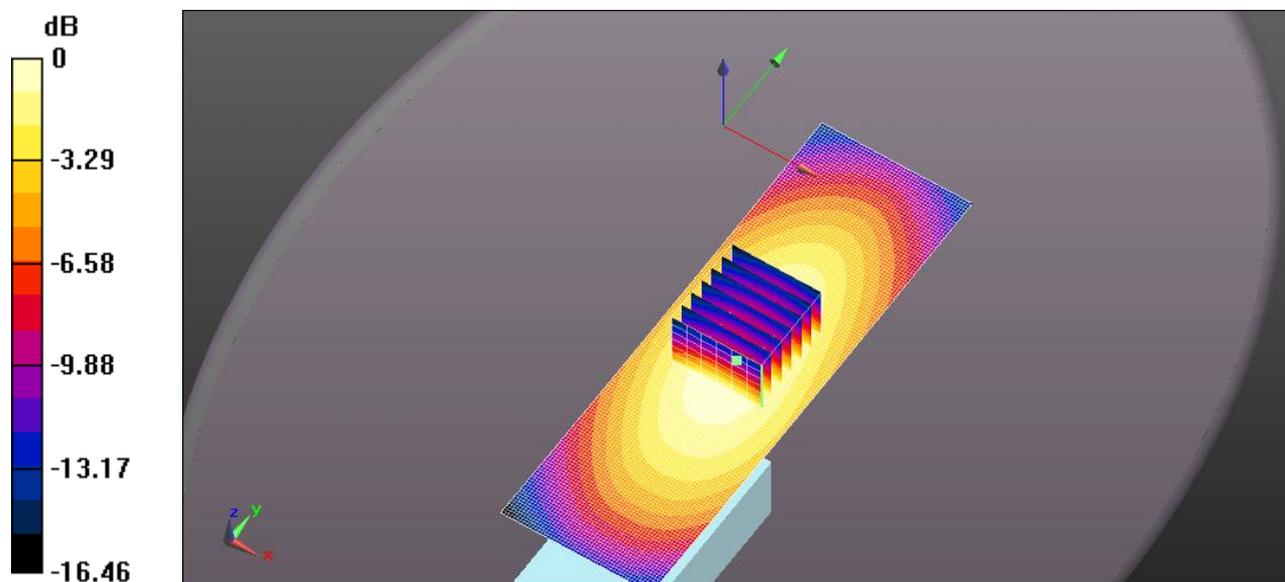
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 115.6 V/m; Power Drift = -0.84 dB

Peak SAR (extrapolated) = 13.6 W/kg

SAR(1 g) = 8.67 W/kg; SAR(10 g) = 6.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.4 W/kg



0 dB = 10.9 W/kg = 10.36 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC57U 430MHZ BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 430 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 430$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 44.915$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.21 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

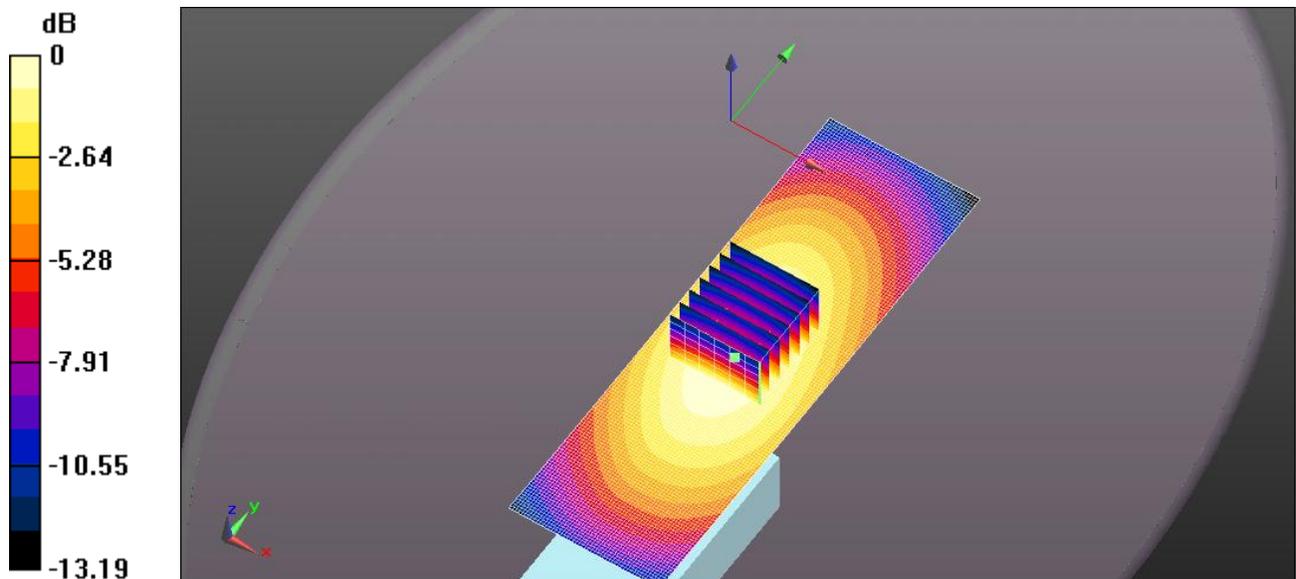
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 62.18 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 4.06 W/kg

SAR(1 g) = 2.79 W/kg; SAR(10 g) = 2.02 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 3.21 W/kg = 5.07 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC57U 450MHZ BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 44.325$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.84 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

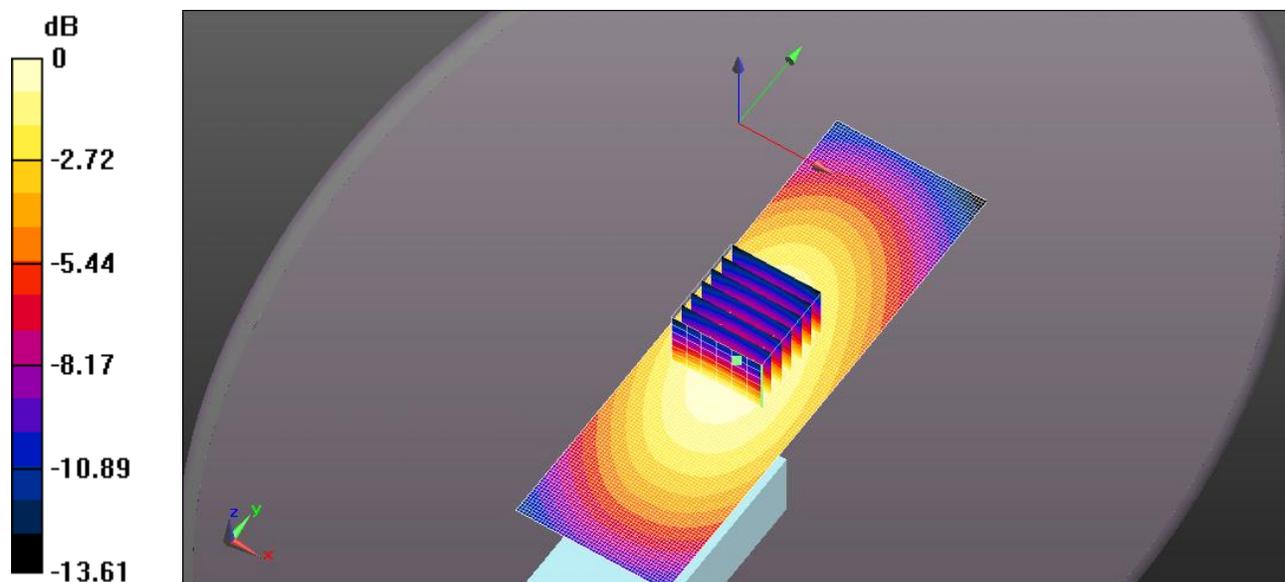
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 73.68 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.14 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.97 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.78 W/kg



0 dB = 4.84 W/kg = 6.85 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC25U 400MHZ BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 45.49$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

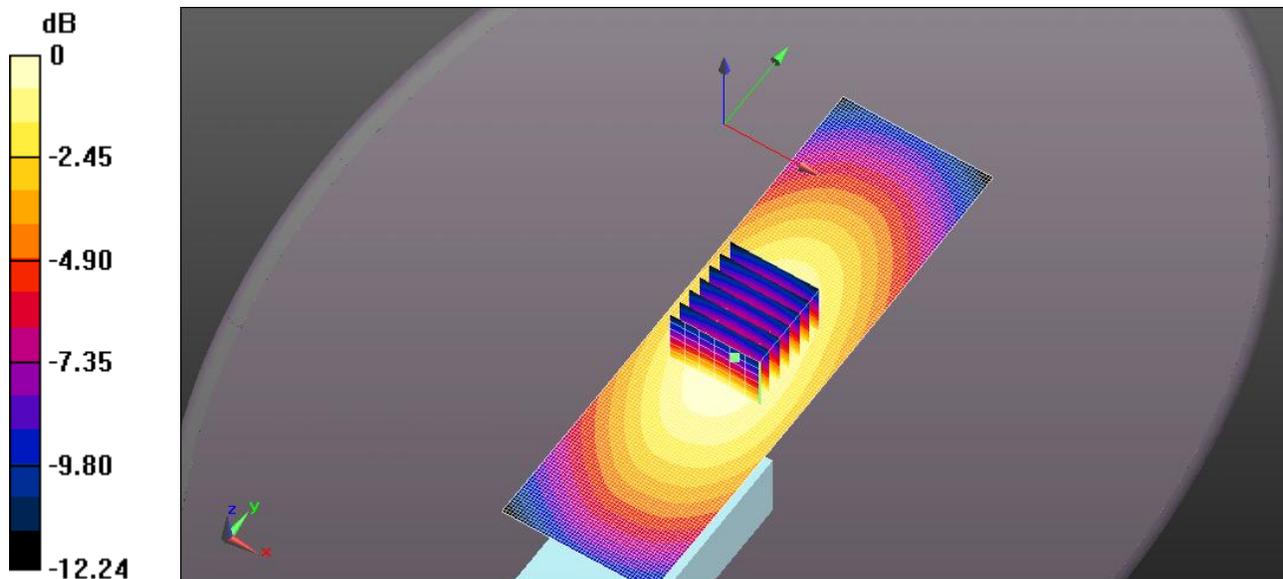
- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x171x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.64 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 75.05 V/m; Power Drift = -0.30 dB
Peak SAR (extrapolated) = 5.80 W/kg
SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.98 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.55 W/kg



0 dB = 4.64 W/kg = 6.67 dBW/kg

FILE NAME: [ICOM-554Q HEAD FA-SC25U 430MHZ BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 430 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 430$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 44.915$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x171x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.58 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

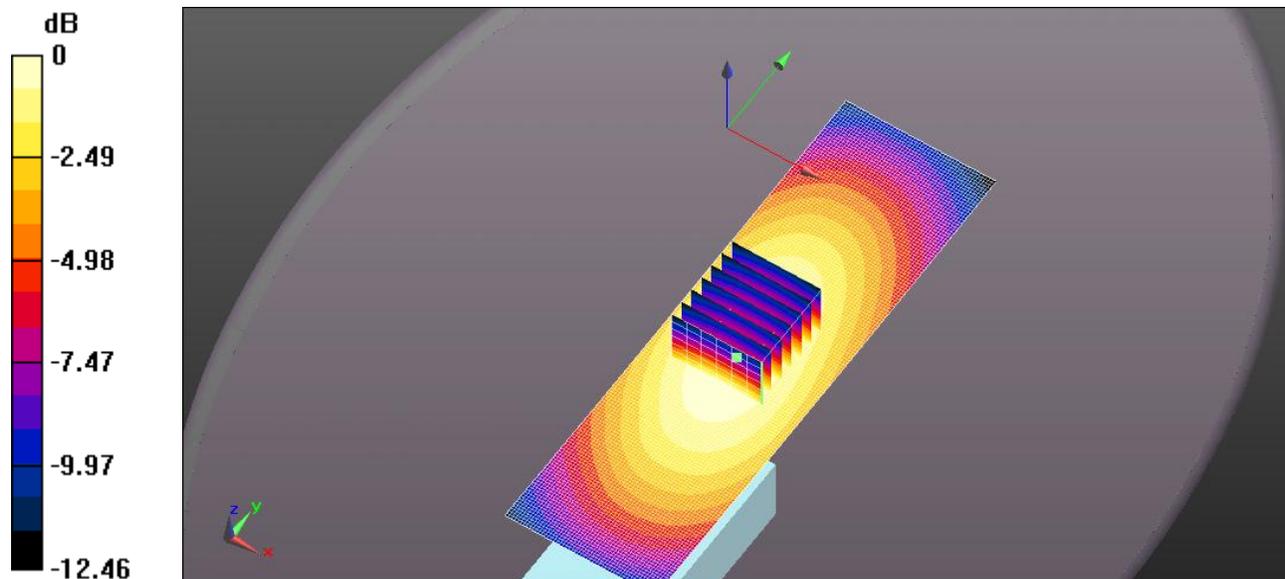
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 89.81 V/m; Power Drift = -0.38 dB

Peak SAR (extrapolated) = 8.31 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 4.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.48 W/kg



0 dB = 6.58 W/kg = 8.18 dBW/kg

FILE NAME: [ICOM-554Q HEAD FA-SC26US 450MHZ BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 44.325$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x111x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.81 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

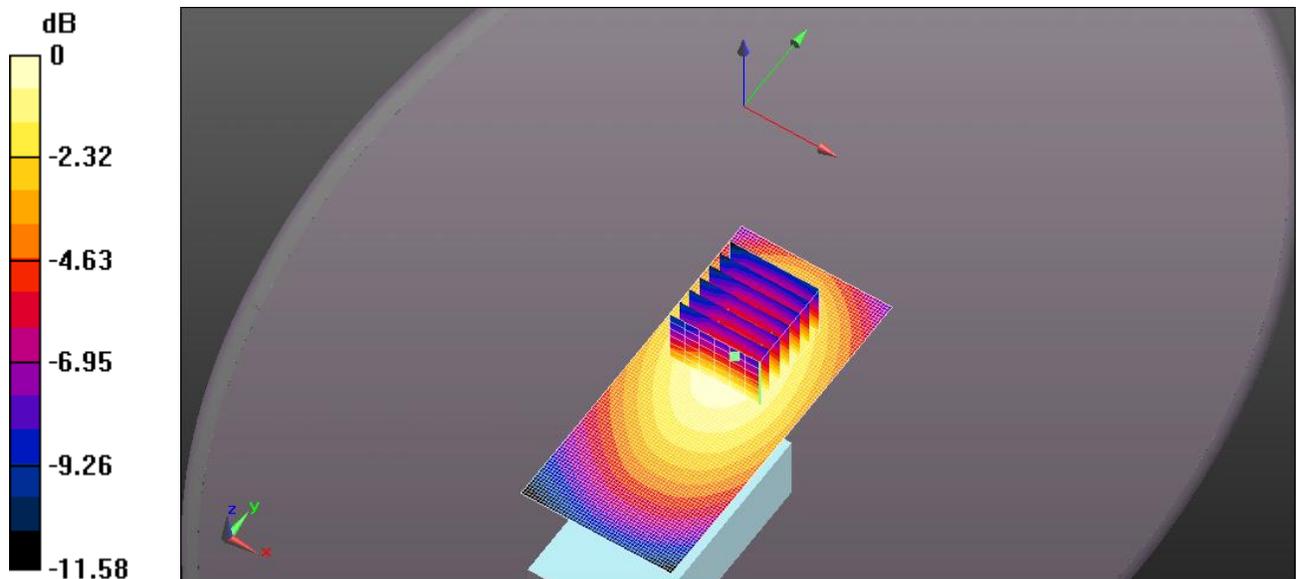
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 68.55 V/m; Power Drift = -1.53 dB

Peak SAR (extrapolated) = 4.62 W/kg

SAR(1 g) = 3.07 W/kg; SAR(10 g) = 2.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.56 W/kg



0 dB = 3.81 W/kg = 5.80 dBW/kg

FILE NAME: ICOM-5540 HEAD FA-SC26US 425MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 425 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 425 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 44.99$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x111x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 4.90 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

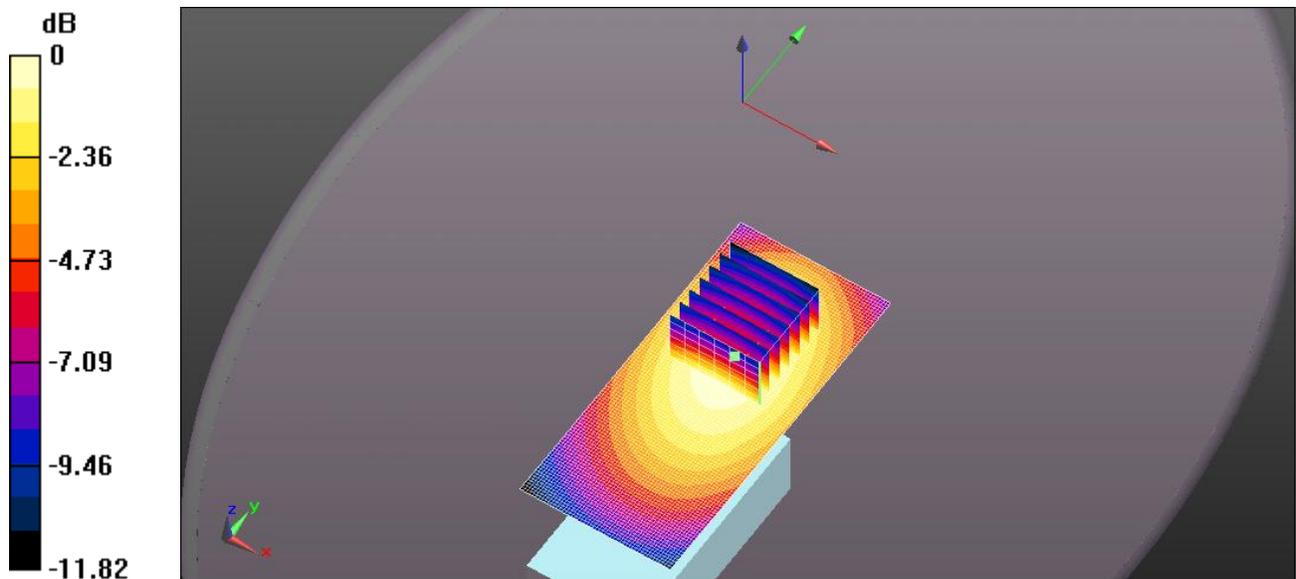
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 74.63 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.18 W/kg

SAR(1 g) = 4.25 W/kg; SAR(10 g) = 3.06 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.81 W/kg



0 dB = 4.90 W/kg = 6.91 dBW/kg

FILE NAME: ICOM-5540 HEAD FA-SC26US 400MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 45.49$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x111x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

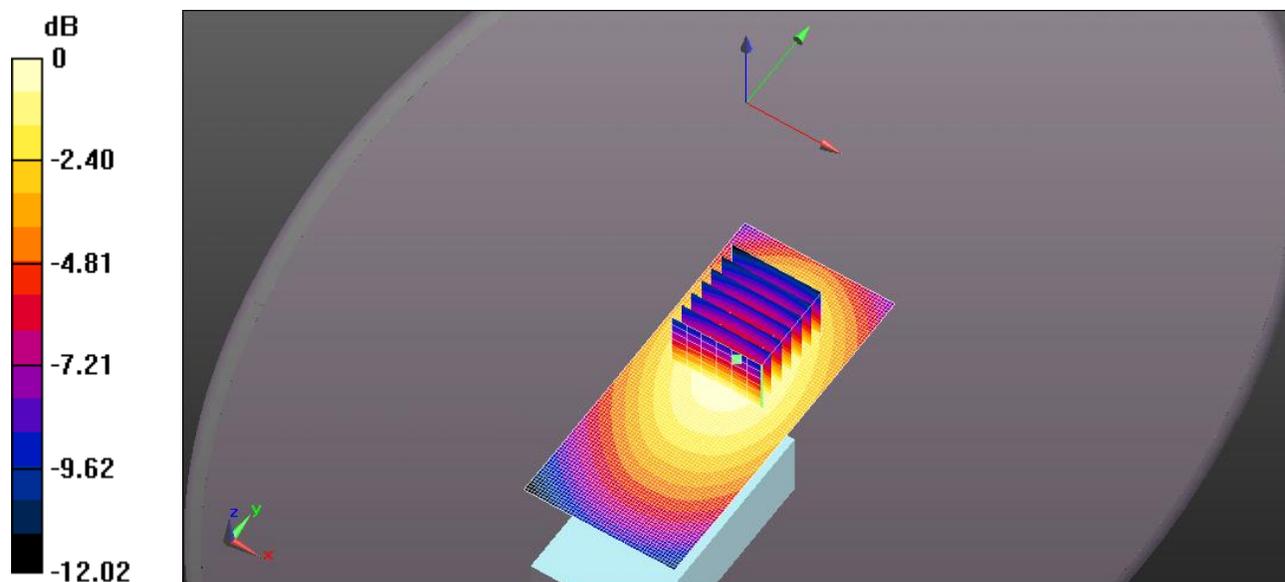
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 38.02 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.759 W/kg (SAR corrected for target medium)

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



FILE NAME: [ICOM-5540 HEAD FA-SC73US 470MHZ BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 43.903$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x111x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.53 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

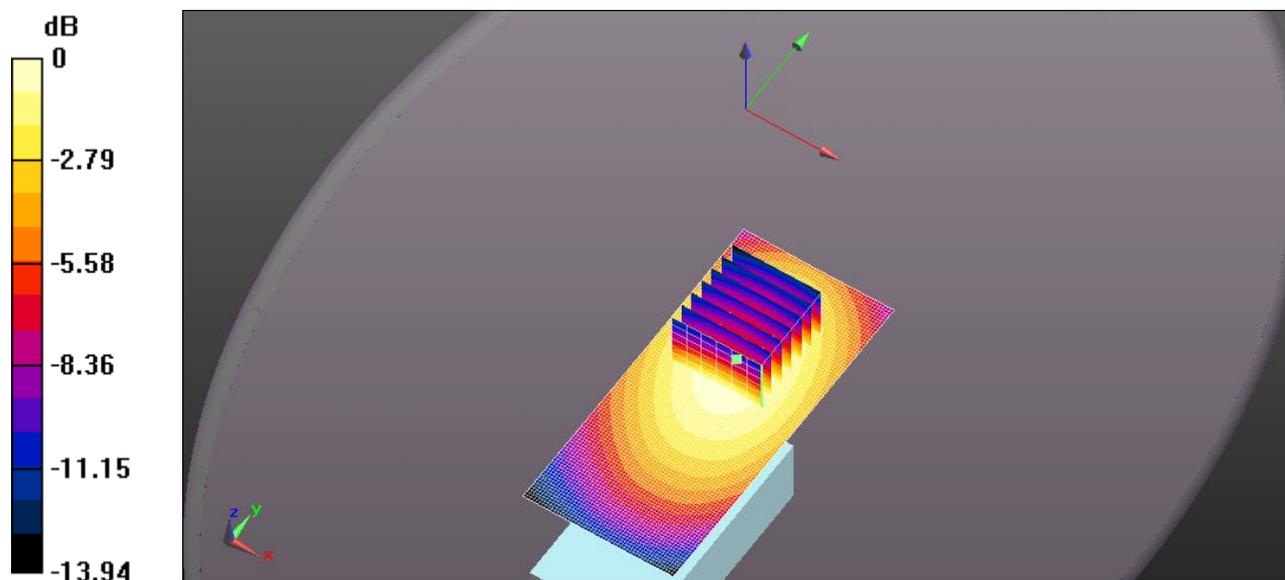
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 86.63 V/m; Power Drift = -0.58 dB

Peak SAR (extrapolated) = 7.84 W/kg

SAR(1 g) = 5.09 W/kg; SAR(10 g) = 3.64 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.06 W/kg



0 dB = 6.53 W/kg = 8.15 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC73US 450MHZ BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 44.325$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x111x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.35 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

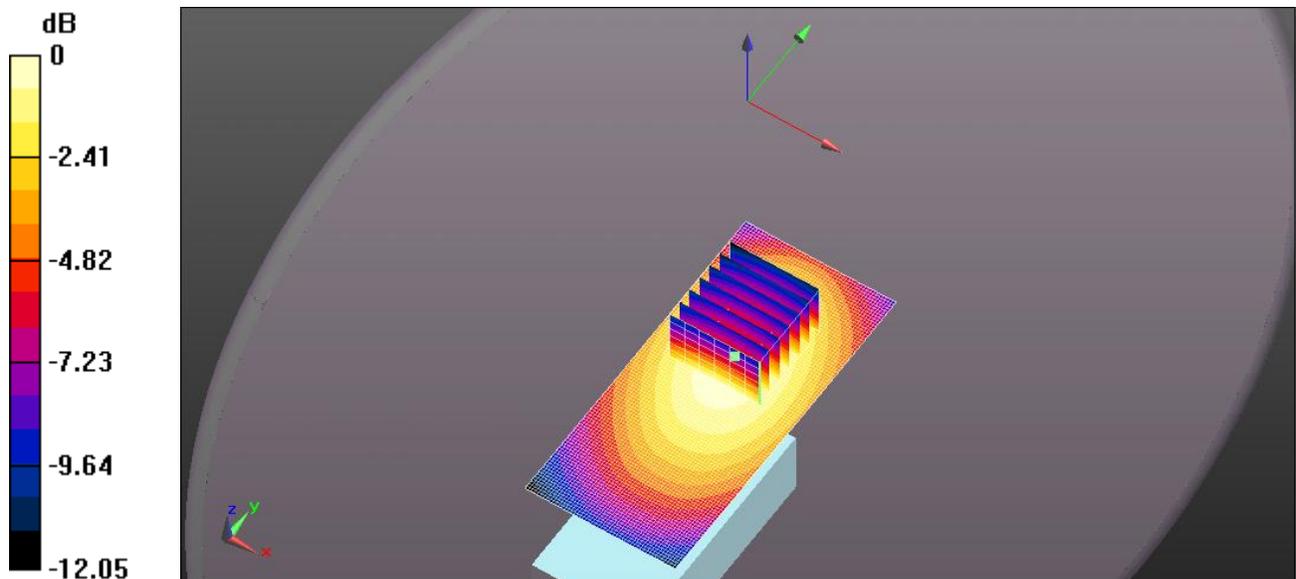
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 60.63 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 4.09 W/kg

SAR(1 g) = 2.73 W/kg; SAR(10 g) = 1.96 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 3.35 W/kg = 5.25 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 400MHZ 165MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 45.49$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x171x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.55 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

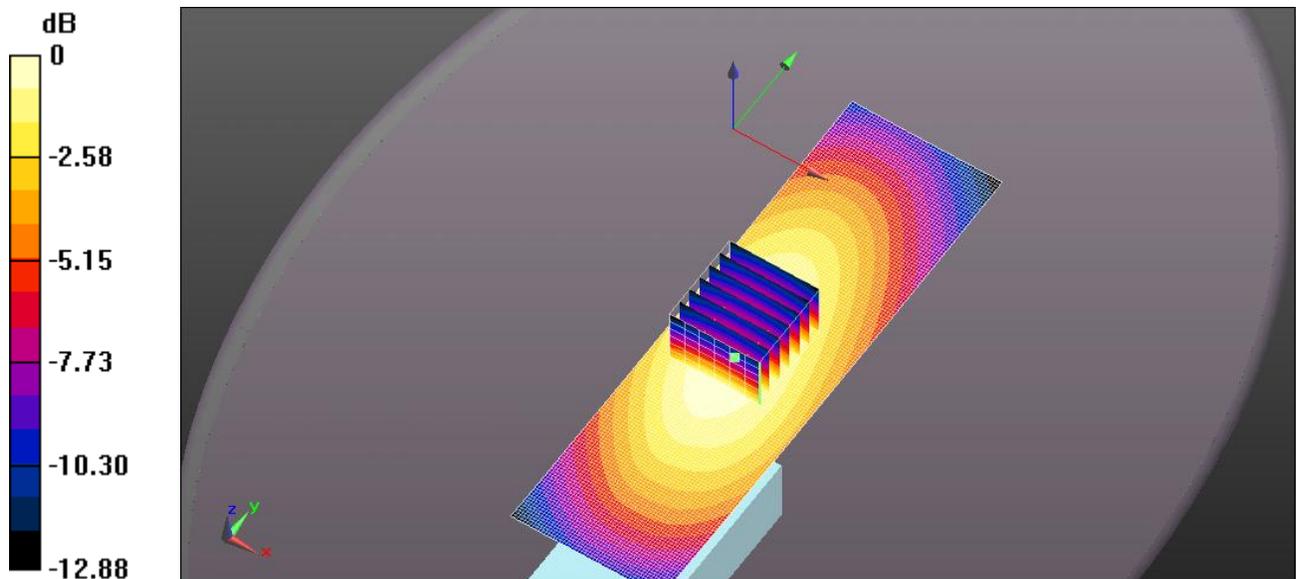
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 89.85 V/m; Power Drift = -0.54 dB

Peak SAR (extrapolated) = 7.83 W/kg

SAR(1 g) = 5.53 W/kg; SAR(10 g) = 4.05 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.16 W/kg



0 dB = 6.55 W/kg = 8.16 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 440MHZ 165MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 44.591$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x171x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.73 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

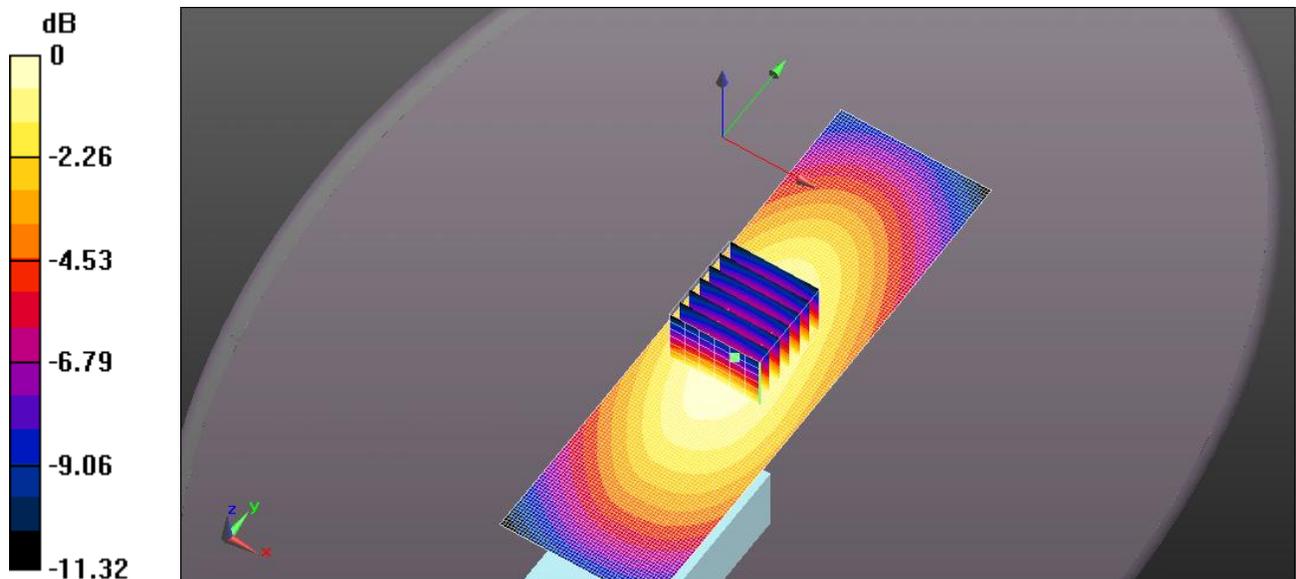
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 80.74 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 7.07 W/kg

SAR(1 g) = 4.82 W/kg; SAR(10 g) = 3.51 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.51 W/kg



0 dB = 5.73 W/kg = 7.58 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 470MHZ 165MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 43.903$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x171x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.94 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

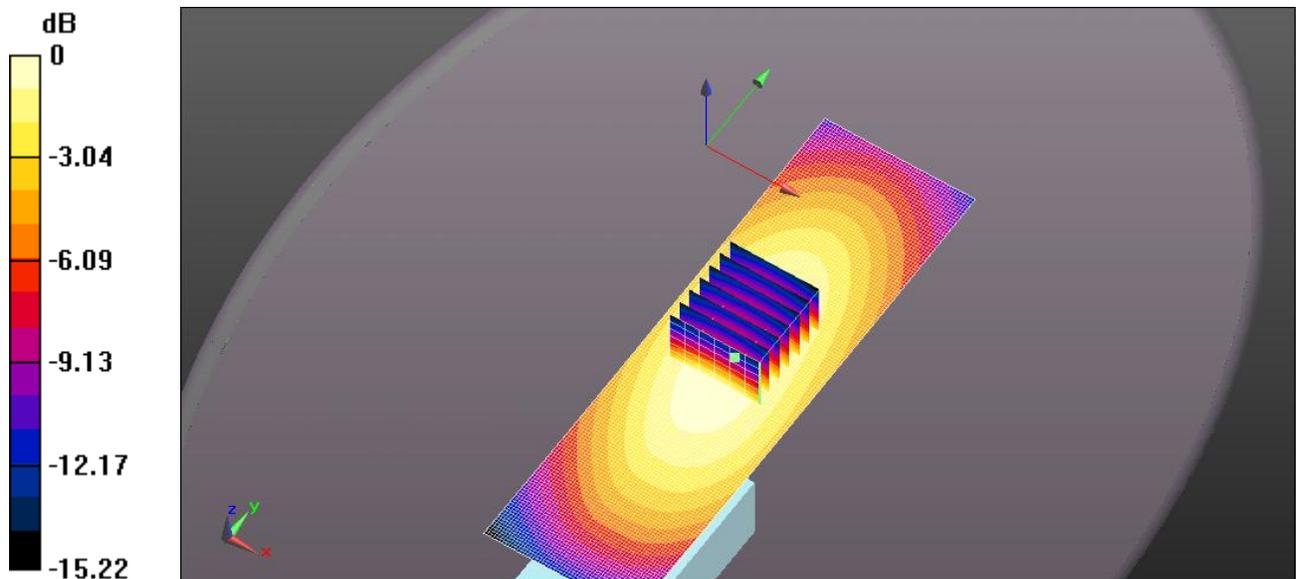
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 73.61 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 6.33 W/kg

SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.99 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.93 W/kg



FILE NAME: [ICOM-5540 HEAD FA-SC61UC 420MHZ 156MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 45.119$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x171x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.24 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

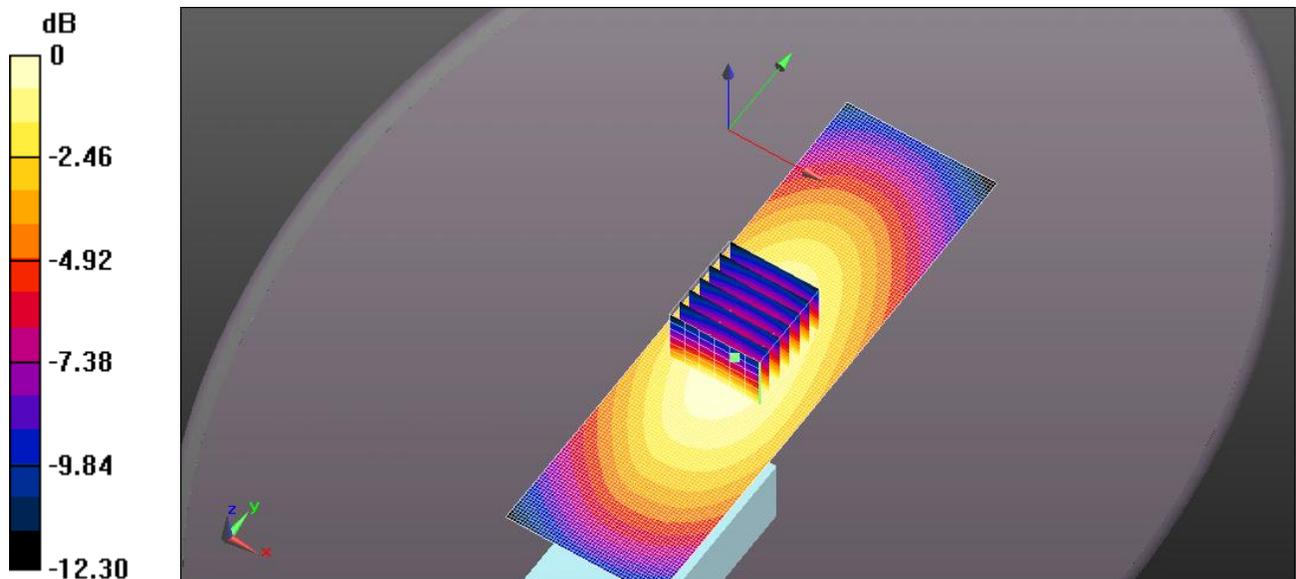
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 85.68 V/m; Power Drift = -0.32 dB

Peak SAR (extrapolated) = 7.67 W/kg

SAR(1 g) = 5.35 W/kg; SAR(10 g) = 3.9 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.02 W/kg



0 dB = 6.24 W/kg = 7.95 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 460MHZ 156MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 44.105$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x171x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.30 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

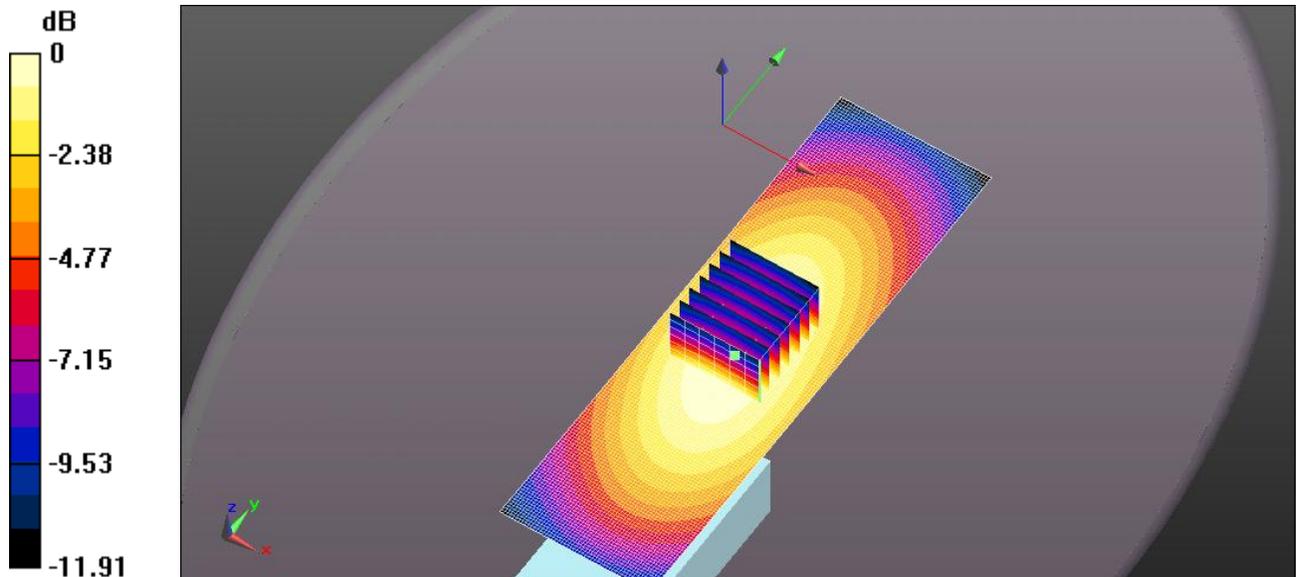
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 82.77 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 8.29 W/kg

SAR(1 g) = 5.54 W/kg; SAR(10 g) = 4.03 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.51 W/kg



0 dB = 6.30 W/kg = 7.99 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 440MHZ 148MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 44.591$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.99 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

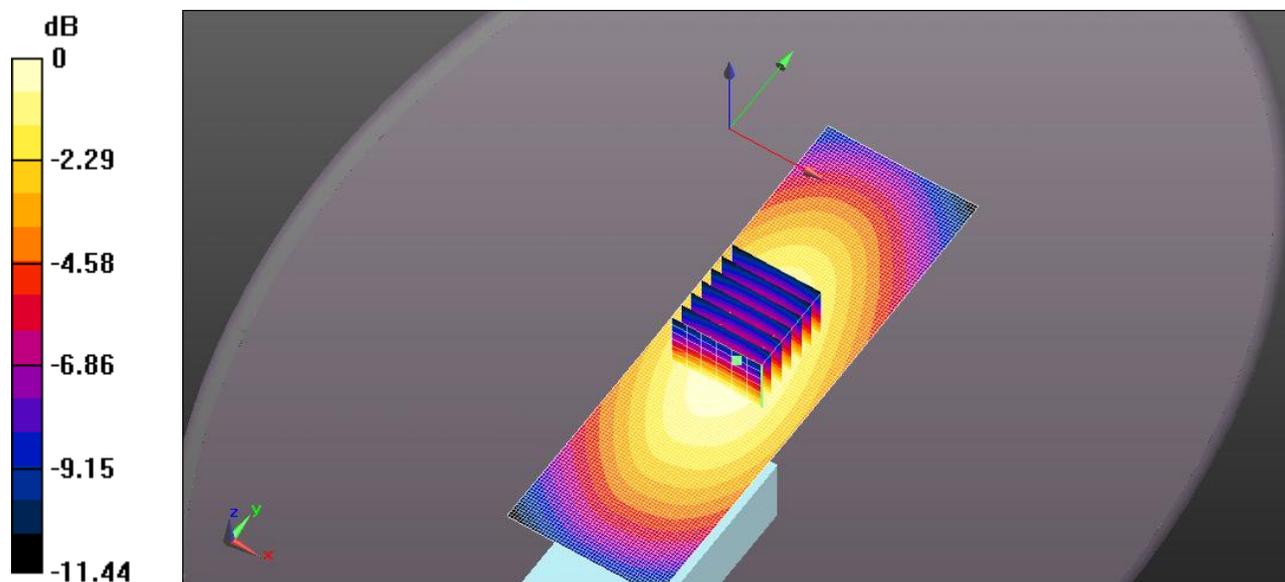
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 89.72 V/m; Power Drift = -0.37 dB

Peak SAR (extrapolated) = 8.45 W/kg

SAR(1 g) = 5.83 W/kg; SAR(10 g) = 4.26 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.64 W/kg



0 dB = 6.99 W/kg = 8.45 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 400MHZ 148MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 45.49$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.58 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

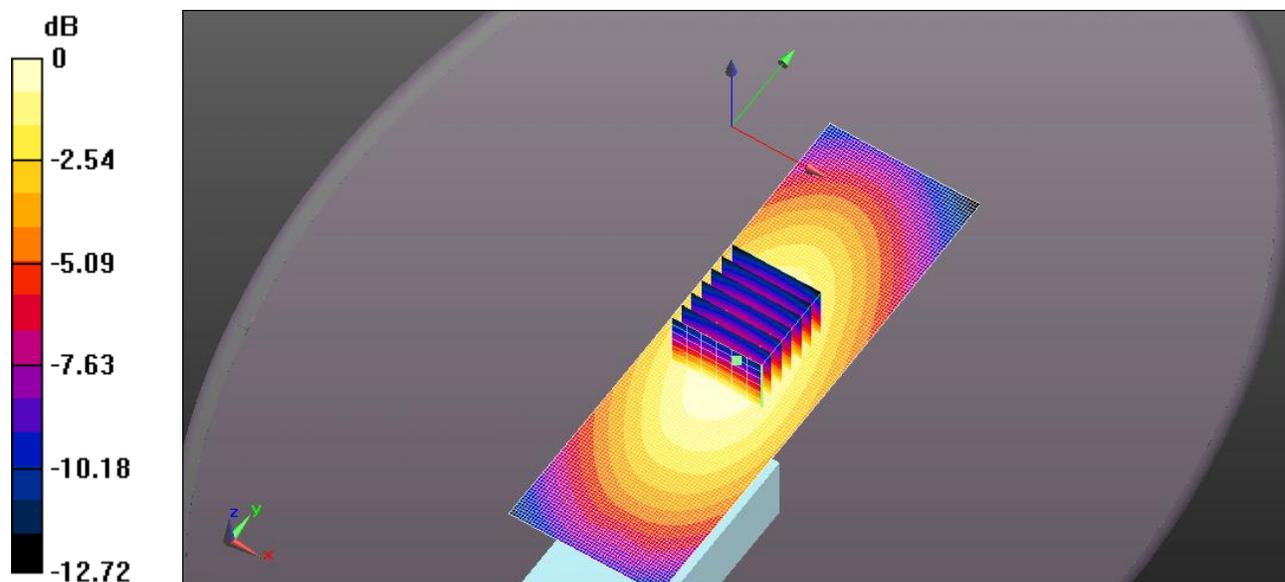
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 66.55 V/m; Power Drift = -0.55 dB

Peak SAR (extrapolated) = 4.28 W/kg

SAR(1 g) = 3.02 W/kg; SAR(10 g) = 2.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.37 W/kg



0 dB = 3.58 W/kg = 5.54 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 470MHZ 148MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 43.903$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.41 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

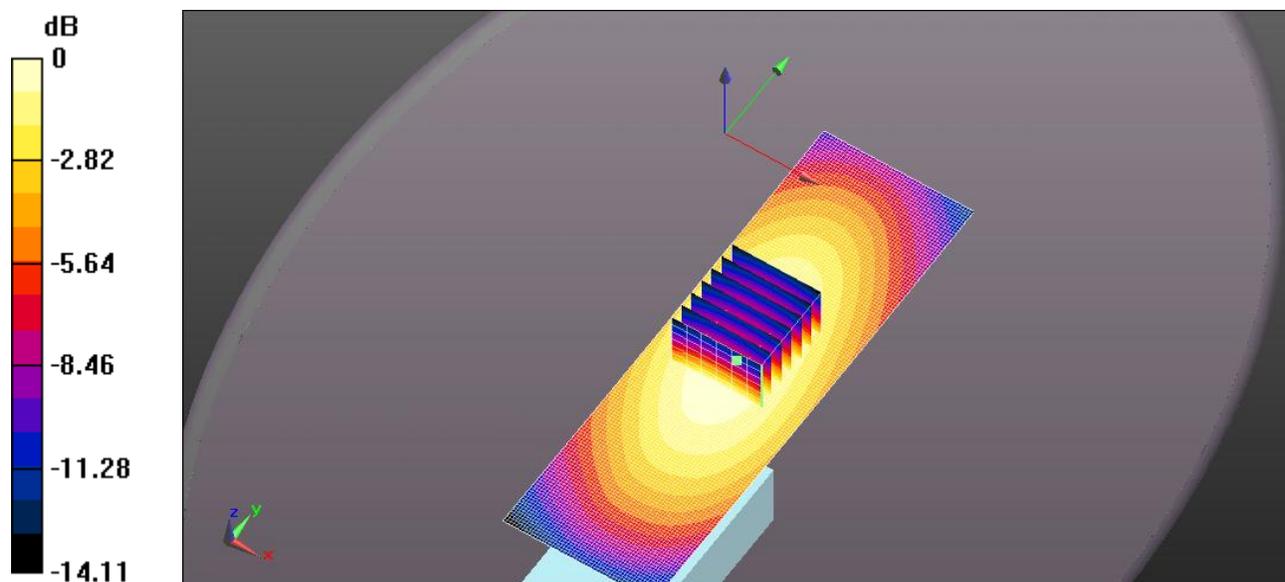
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 98.22 V/m; Power Drift = -0.67 dB

Peak SAR (extrapolated) = 9.86 W/kg

SAR(1 g) = 6.51 W/kg; SAR(10 g) = 4.74 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.71 W/kg



0 dB = 8.41 W/kg = 9.25 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 460MHZ 148MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 44.105$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

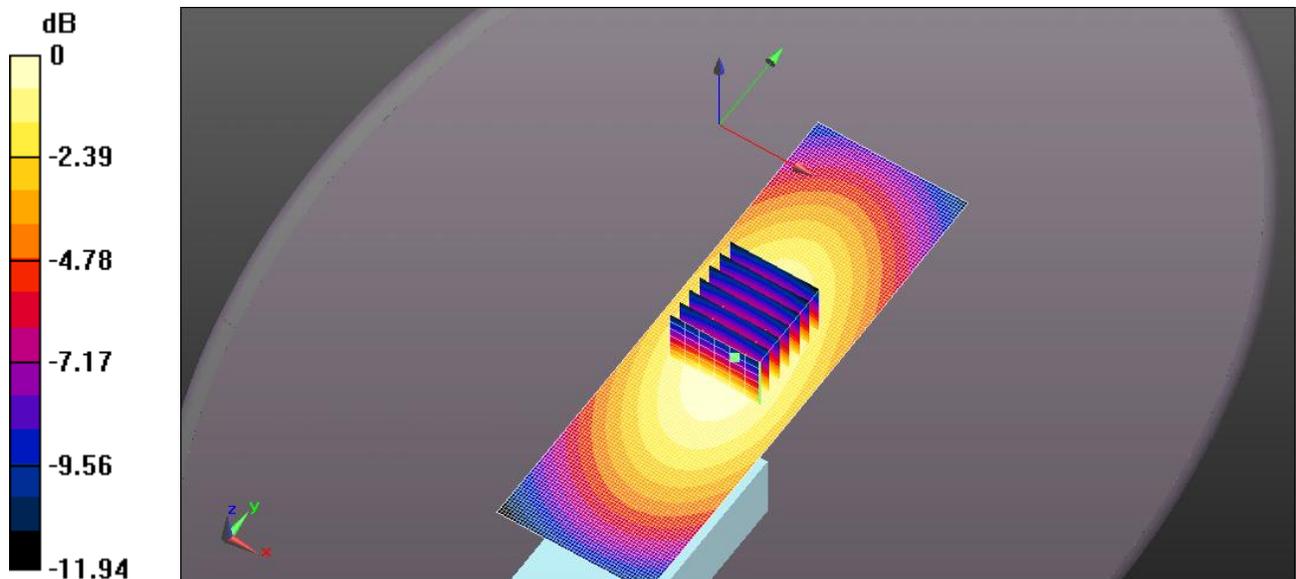
- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.38 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 84.16 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 8.15 W/kg
SAR(1 g) = 5.47 W/kg; SAR(10 g) = 3.99 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.42 W/kg



0 dB = 6.38 W/kg = 8.05 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 420MHZ 148MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 45.119$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

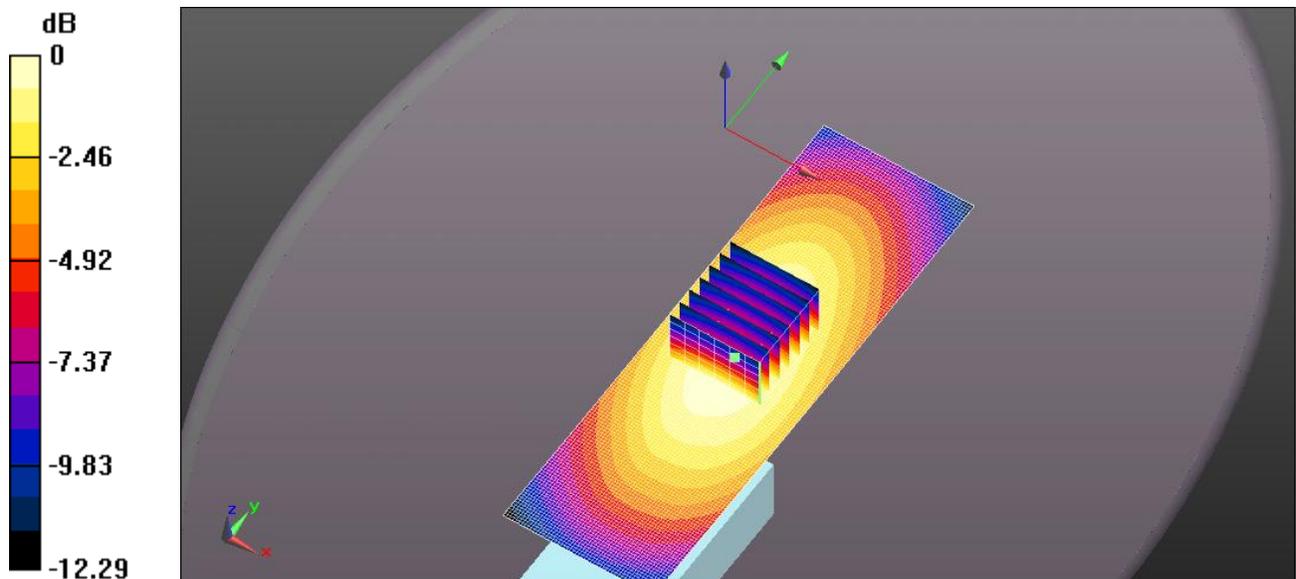
- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.92 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 75.88 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 6.02 W/kg
SAR(1 g) = 4.23 W/kg; SAR(10 g) = 3.1 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.76 W/kg



0 dB = 4.92 W/kg = 6.92 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 460MHZ 142MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.918$ S/m; $\epsilon_r = 44.105$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.13 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

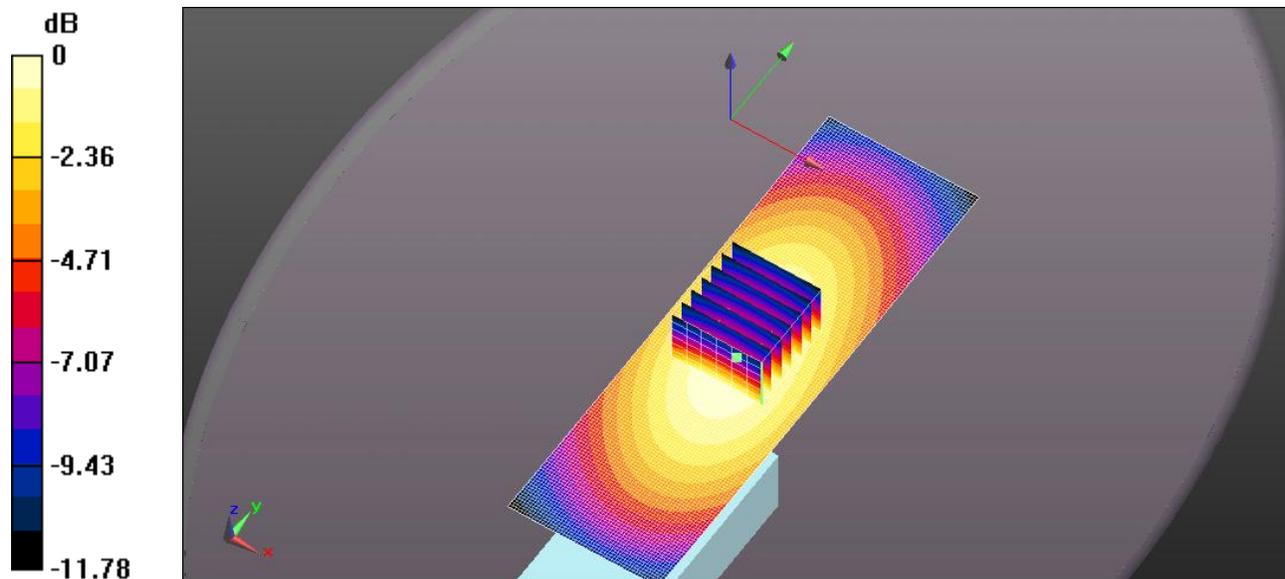
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 83.25 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 7.84 W/kg

SAR(1 g) = 5.25 W/kg; SAR(10 g) = 3.83 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.15 W/kg



0 dB = 6.13 W/kg = 7.87 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 420MHZ 142MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 45.119$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

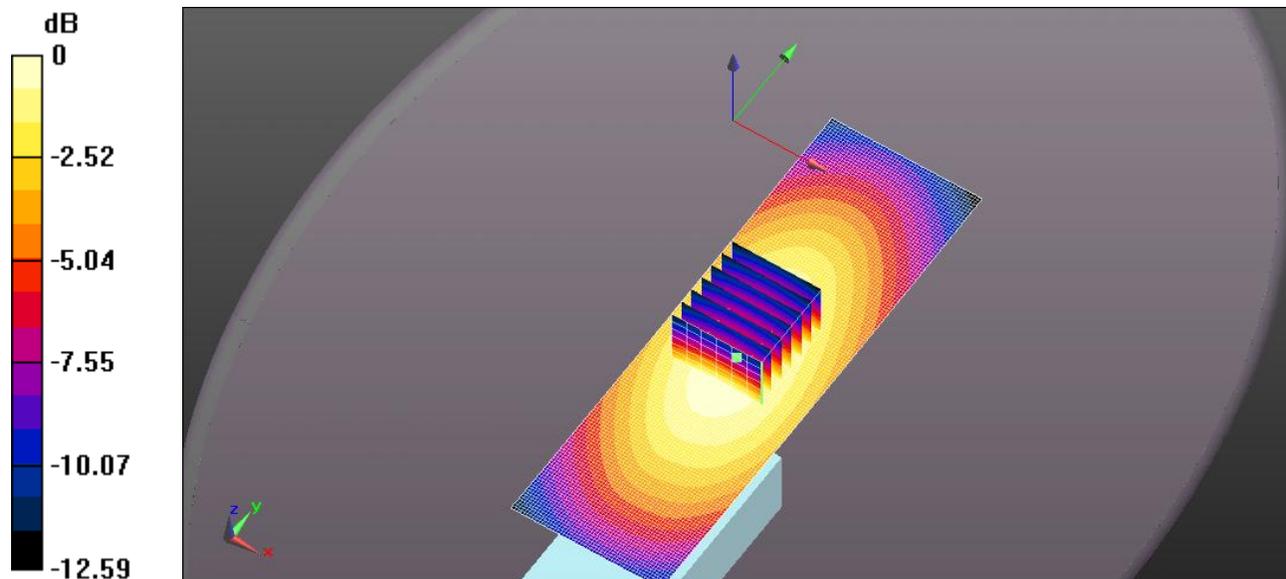
- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.71 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 66.19 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 4.51 W/kg
SAR(1 g) = 3.16 W/kg; SAR(10 g) = 2.31 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.55 W/kg



0 dB = 3.71 W/kg = 5.69 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 470MHZ 136MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 43.903$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.08 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

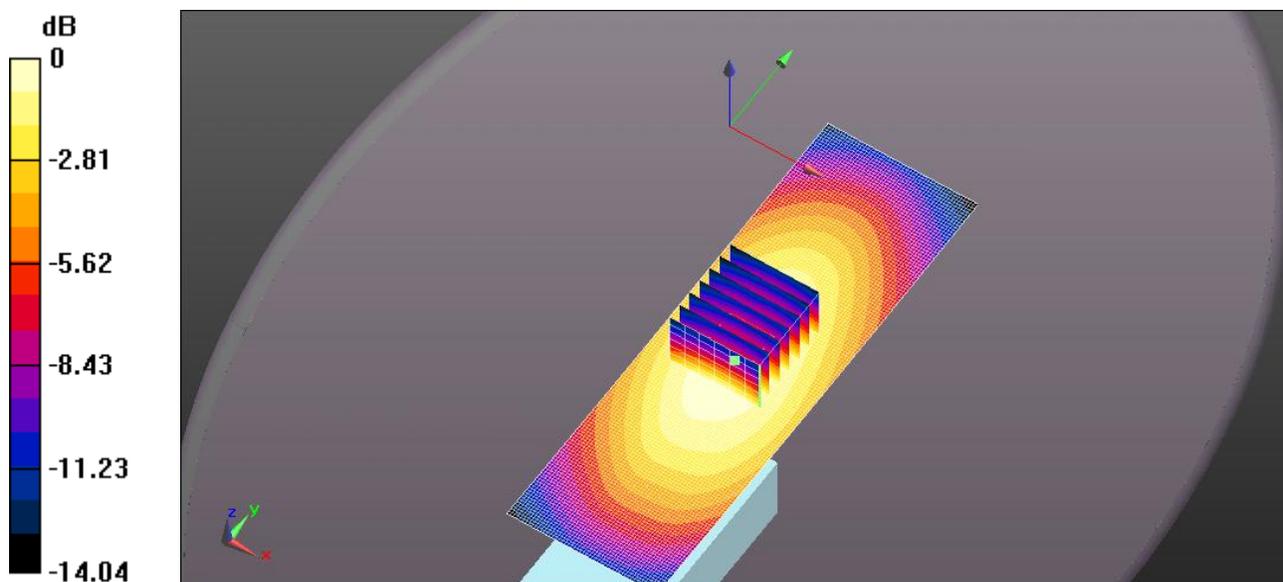
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 83.29 V/m; Power Drift = -0.26 dB

Peak SAR (extrapolated) = 7.67 W/kg

SAR(1 g) = 5.07 W/kg; SAR(10 g) = 3.69 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.99 W/kg



0 dB = 6.08 W/kg = 7.84 dBW/kg

FILE NAME: [ICOM-554Q HEAD FA-SC61UC 400MHZ 136MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 45.49$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.72 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

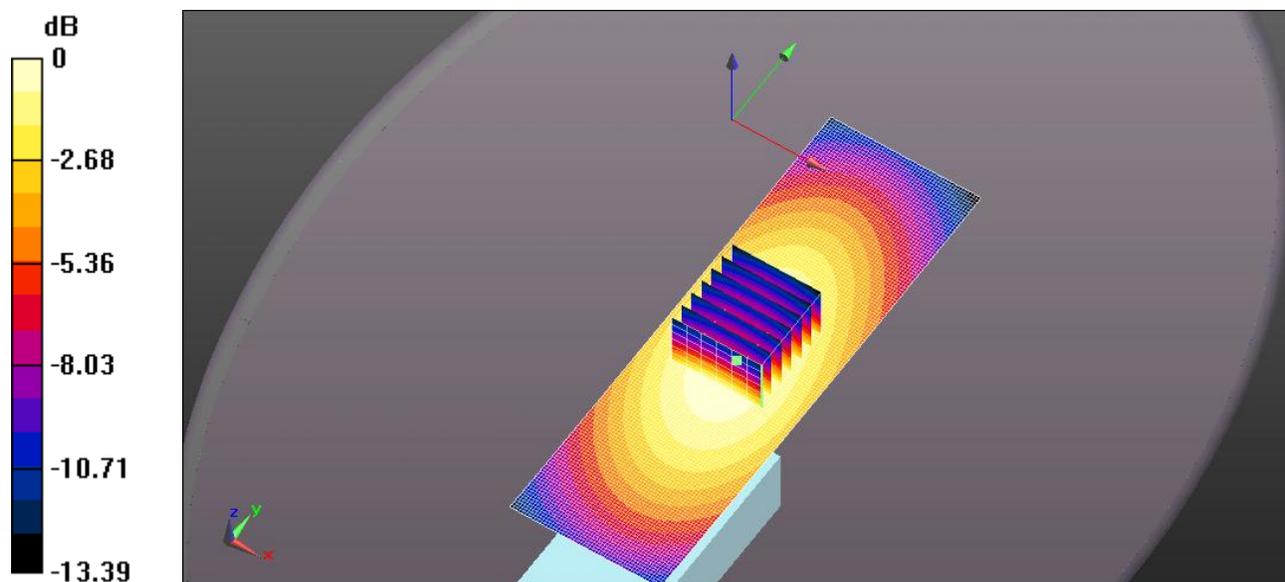
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 44.88 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.19 W/kg

SAR(1 g) = 1.57 W/kg; SAR(10 g) = 1.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.75 W/kg



0 dB = 1.72 W/kg = 2.36 dBW/kg

FILE NAME: [ICOM-5540 HEAD FA-SC61UC 440MHZ 136MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 44.591$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.15, 7.15, 7.15); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.76 W/kg

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

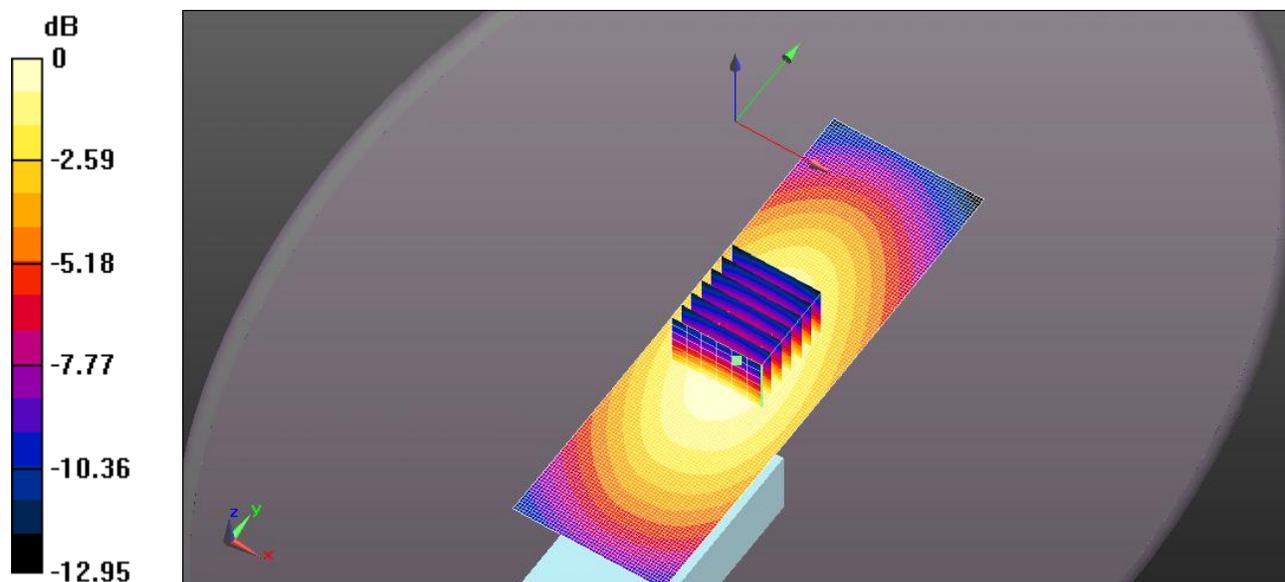
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 73.63 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 5.85 W/kg

SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.95 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.62 W/kg



0 dB = 4.76 W/kg = 6.77 dBW/kg

EXHIBIT 3. BODY SAR MEASUREMENTS

Antenna	Power (W)	C H	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift (dB)
			(MHz)	BP-279,1570mAh	BP-279,1570mAh	
				MB-133 & HM-159LA	MB-133 & HM-159LA	
FA-SC25U 400-430 MHz	4.08	1	400	5.19	3.64	0.16
	4.03	3	415	5.71	4.01	-0.54
	4.00	6	430	7.33	5.16	-0.78
FA-SC57U 430-470 MHz	4.00	6	430	3.86	2.72	-0.4
	4.18	9	450	6.32	4.44	-0.27
	4.30	12	470	7.86	5.51	-0.64
FA-SC26US 400-450 MHz	4.08	1	400	1.52	1.06	-0.14
	4.00	2	412.5	**	**	**
	4.02	5	425	4.97	3.47	-0.84
	4.05	7	437.5	**	**	**
	4.18	9	450	2.88	2.01	-0.49
FA-SC73US 450-470 MHz	4.18	9	450	4.51	3.14	-0.13
	4.25	11	460	5.56	3.88	-0.32
	4.30	12	470	5.85	4.09	-0.71

** SAR Test Reduction Applied For PTT Radio

Cut Antenna	Power (W)	C H	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift
				BP-279,1570mAh	BP-279,1570mAh	
			(MHz)	MB-133 & HM-159LA	MB-133 & HM-159LA	(dB)
FA-SC61UC 400MHz 165mm	4.08	1	400	6.56	4.61	0.04
	4.00	4	420	7.4	5.22	-0.85
	4.09	8	440	5.13	3.62	-1.06
	4.25	11	460	3.74	2.64	-0.36
	4.30	12	470	3.58	2.52	0.06
FA-SC61UC 420MHz 156mm	4.08	1	400	**	**	**
	4.00	4	420	5.55	3.9	-0.23
	4.09	8	440	**	**	**
	4.25	11	460	5.22	3.68	-0.43
	4.30	12	470	**	**	**
FA-SC61UC 440MHz 148mm	4.08	1	400	3.13	2.2	0.04
	4.00	4	420	4.69	3.3	-0.35
	4.09	8	440	7.54	5.3	-0.43
	4.25	11	460	6.49	4.57	-1.14
	4.30	12	470	5.72	4.01	-1.27
FA-SC61UC 460MHz 142mm	4.08	1	400	2.25	1.59	-0.13
	4.00	4	420	3.61	2.54	-0.07
	4.09	8	440	6.72	4.73	0.01
	4.25	11	460	7.26	5.1	-0.74
	4.30	12	470	6.81	4.77	-1.16
FA-SC61UC 480MHz 136mm	4.08	1	400	1.82	1.27	-0.09
	4.00	4	420	**	**	**
	4.09	8	440	4.52	3.18	-0.16
	4.25	11	460	**	**	**
	4.30	12	470	6.42	4.49	-0.27

** SAR Test Reduction Applied For PTT Radio

FILE NAME: [ICOM-5540 BODY FA-SC57U 470MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 53.951$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.27 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

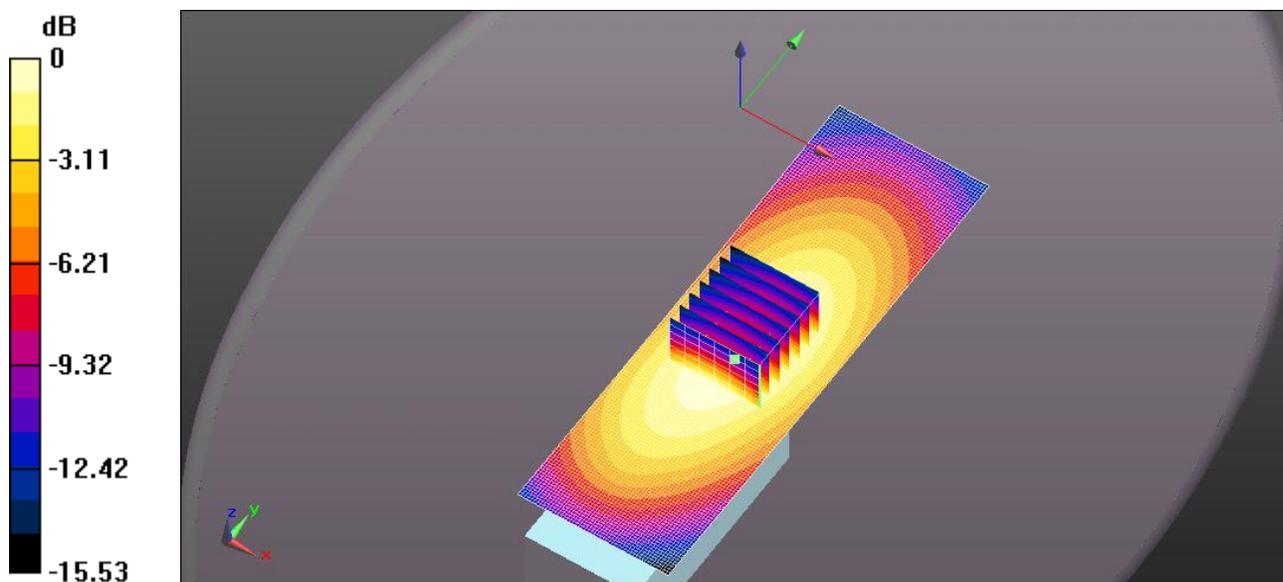
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 103.4 V/m; Power Drift = -0.65 dB

Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 7.86 W/kg; SAR(10 g) = 5.51 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.11 W/kg



0 dB = 9.27 W/kg = 9.67 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC57U 430MHZ BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 430 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 430$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 54.661$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.12 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

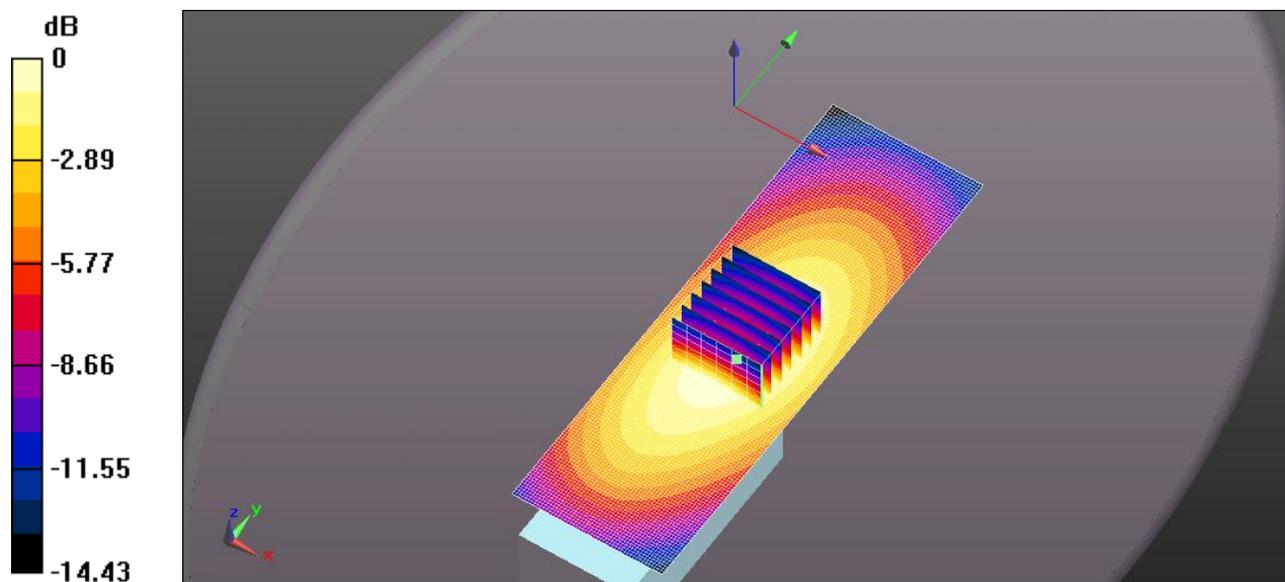
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 72.50 V/m; Power Drift = -0.40 dB

Peak SAR (extrapolated) = 5.51 W/kg

SAR(1 g) = 3.86 W/kg; SAR(10 g) = 2.72 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.23 W/kg



0 dB = 4.12 W/kg = 6.14 dBW/kg

FILE NAME: [ICOM-5540 BODY FA-SC57U 450MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 54.235$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.07 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

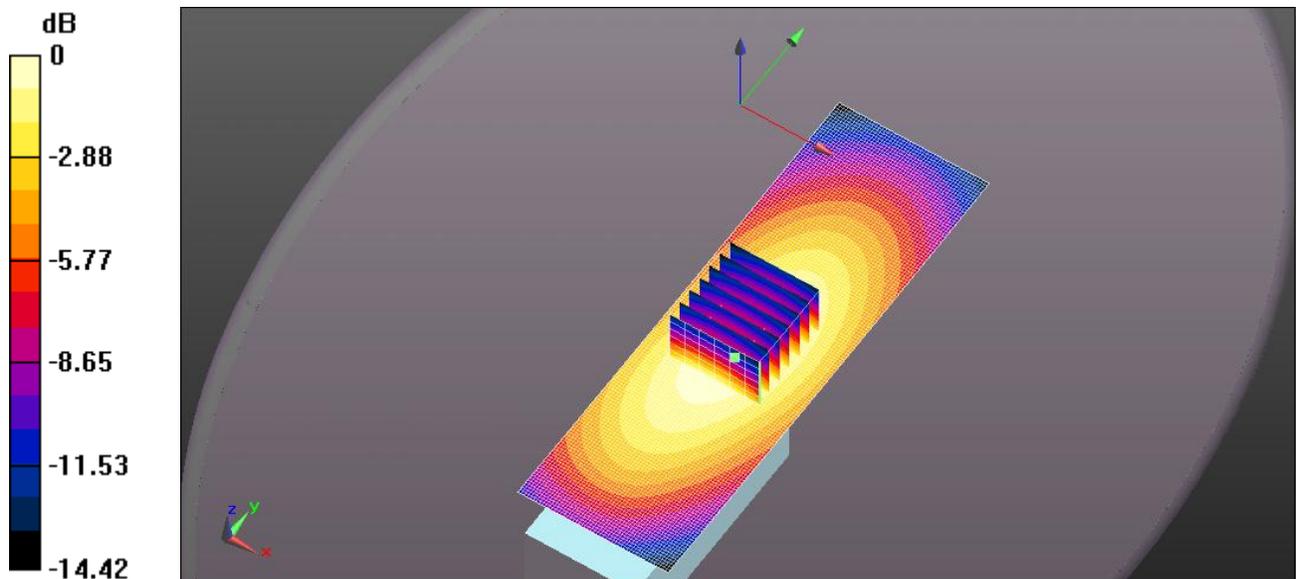
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 91.67 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 9.26 W/kg

SAR(1 g) = 6.32 W/kg; SAR(10 g) = 4.44 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.11 W/kg



0 dB = 7.07 W/kg = 8.49 dBW/kg

FILE NAME: [ICOM-5540 BODY FA-SC25U 400MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 55.452$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x171x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.50 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

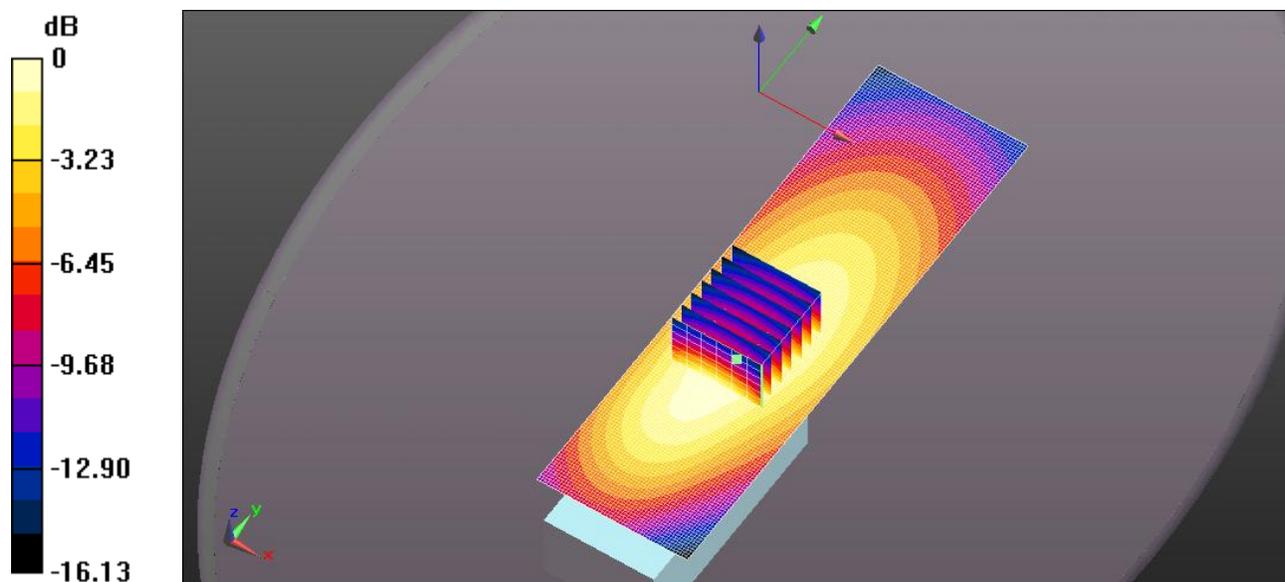
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 77.97 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 7.44 W/kg

SAR(1 g) = 5.19 W/kg; SAR(10 g) = 3.64 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.71 W/kg



0 dB = 5.50 W/kg = 7.41 dBW/kg

FILE NAME: [ICOM-5540 BODY FA-SC25U 430MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 430 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 430$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 54.661$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x171x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.44 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

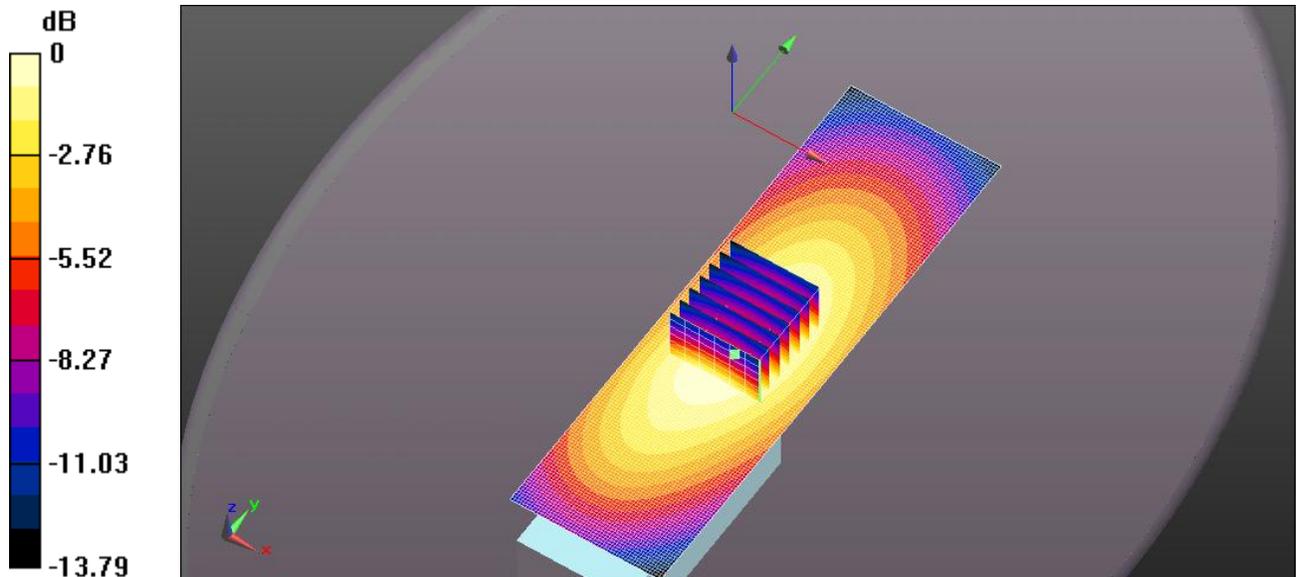
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 102.5 V/m; Power Drift = -0.78 dB

Peak SAR (extrapolated) = 10.5 W/kg

SAR(1 g) = 7.33 W/kg; SAR(10 g) = 5.16 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.04 W/kg



0 dB = 8.44 W/kg = 9.26 dBW/kg

FILE NAME: [ICOM-5540 BODY FA-SC25U 415MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 415 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 415$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 55.115$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x171x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.23 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

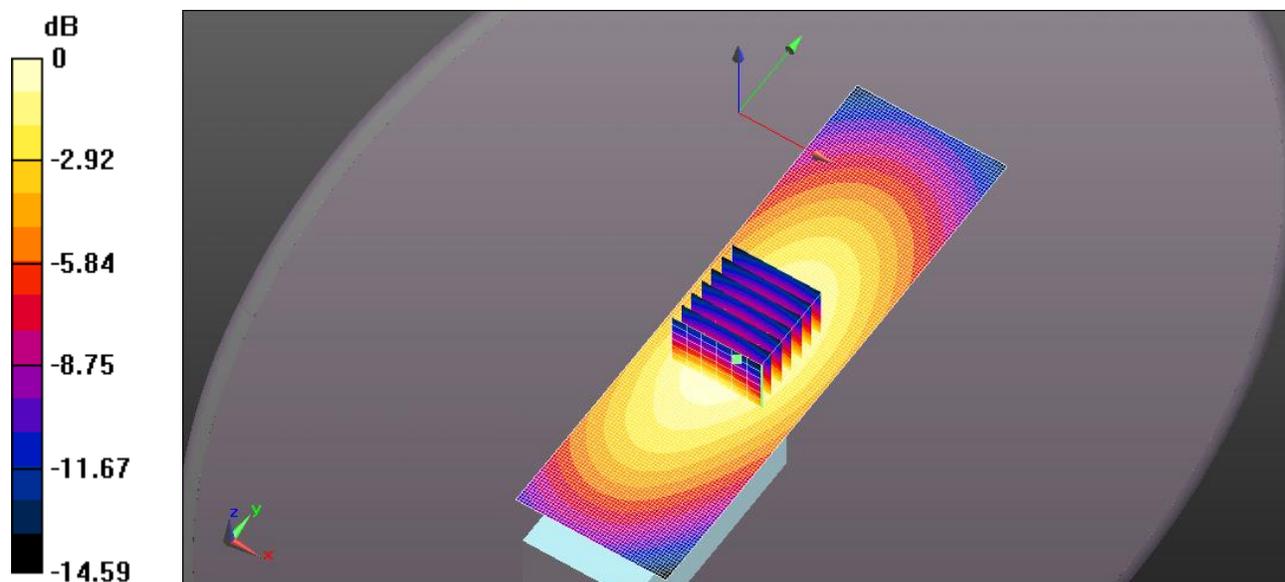
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 89.12 V/m; Power Drift = -0.54 dB

Peak SAR (extrapolated) = 8.20 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 4.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.28 W/kg



0 dB = 6.23 W/kg = 7.94 dBW/kg

FILE NAME: [ICOM-5540 BODY FA-SC26US 450MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 54.235$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x111x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.23 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

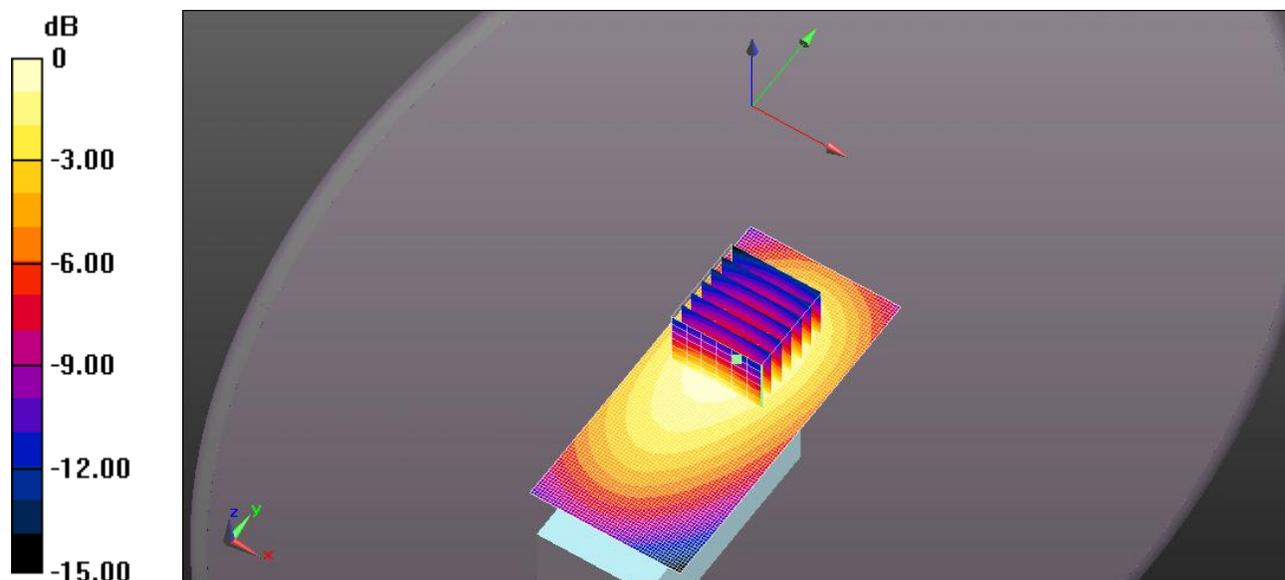
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 62.48 V/m; Power Drift = -0.49 dB

Peak SAR (extrapolated) = 4.25 W/kg

SAR(1 g) = 2.88 W/kg; SAR(10 g) = 2.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.25 W/kg



0 dB = 3.23 W/kg = 5.10 dBW/kg

FILE NAME: [ICOM-5540 BODY FA-SC26US 425MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 425 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 425$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 54.794$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x111x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.97 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

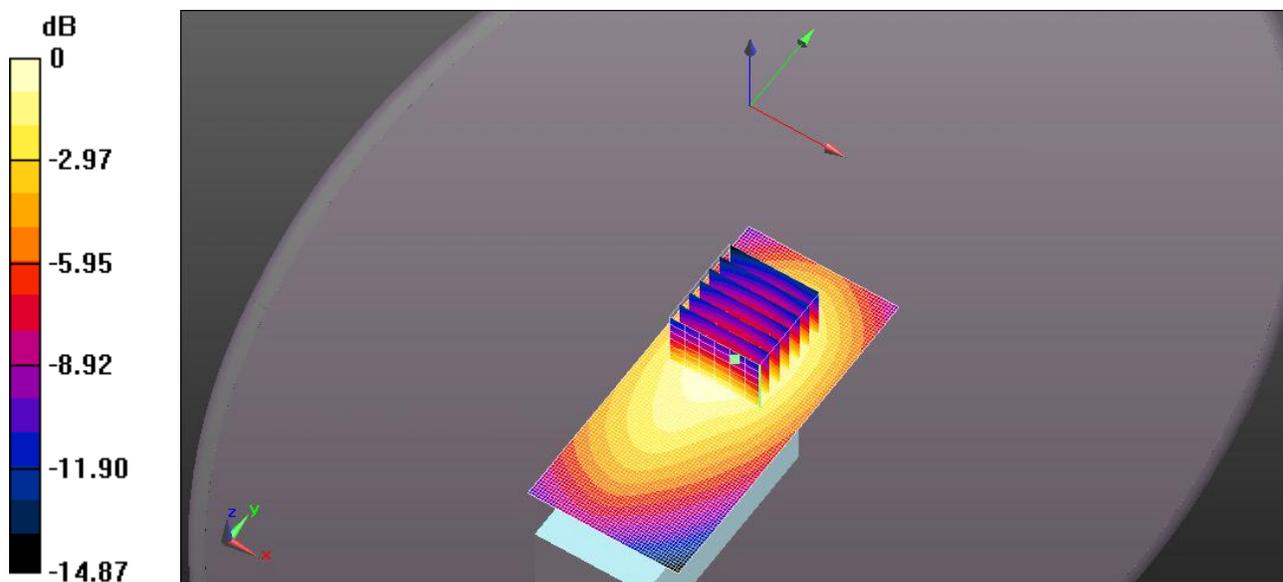
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 85.84 V/m; Power Drift = -0.84 dB

Peak SAR (extrapolated) = 7.13 W/kg

SAR(1 g) = 4.97 W/kg; SAR(10 g) = 3.47 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.45 W/kg



0 dB = 5.97 W/kg = 7.76 dBW/kg

FILE NAME: [ICOM-5540 BODY FA-SC26US 400MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 55.452$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x111x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.66 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

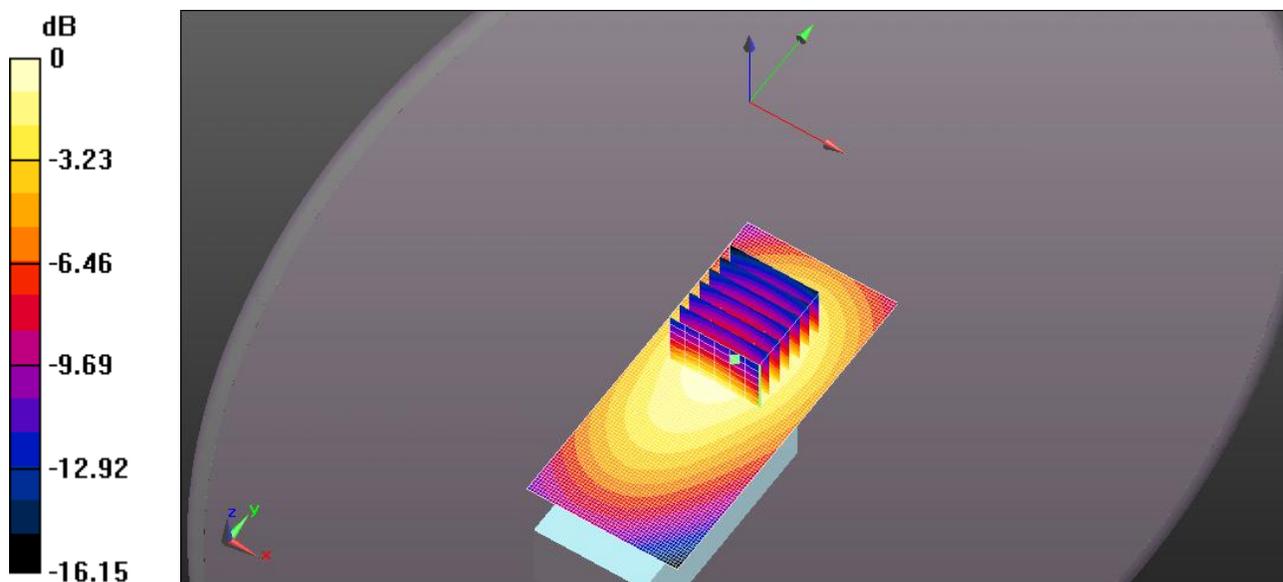
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 43.74 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 1.52 W/kg; SAR(10 g) = 1.06 W/kg (SAR corrected for target medium)

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



0 dB = 1.66 W/kg = 2.19 dBW/kg

FILE NAME: [ICOM-5540 BODY FA-SC73US 470MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 53.951$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x111x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.14 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

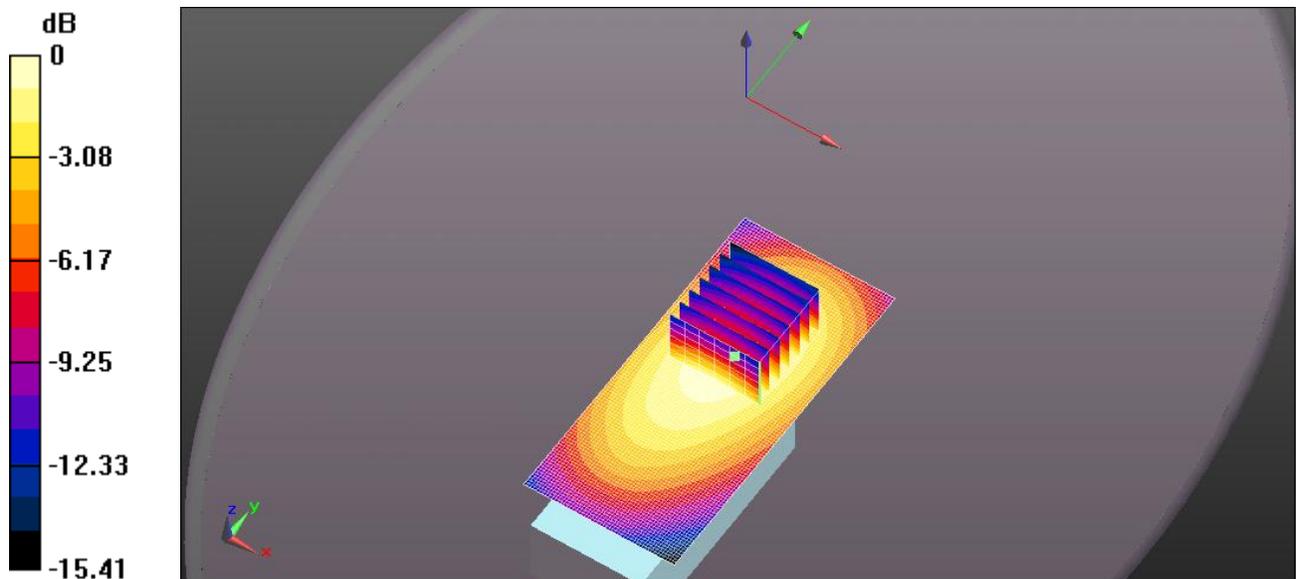
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 88.98 V/m; Power Drift = -0.71 dB

Peak SAR (extrapolated) = 8.86 W/kg

SAR(1 g) = 5.85 W/kg; SAR(10 g) = 4.09 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.79 W/kg



0 dB = 7.14 W/kg = 8.54 dBW/kg

FILE NAME: [ICOM-5540 BODY FA-SC73US 460MHZ BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 54.097$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x111x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.36 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

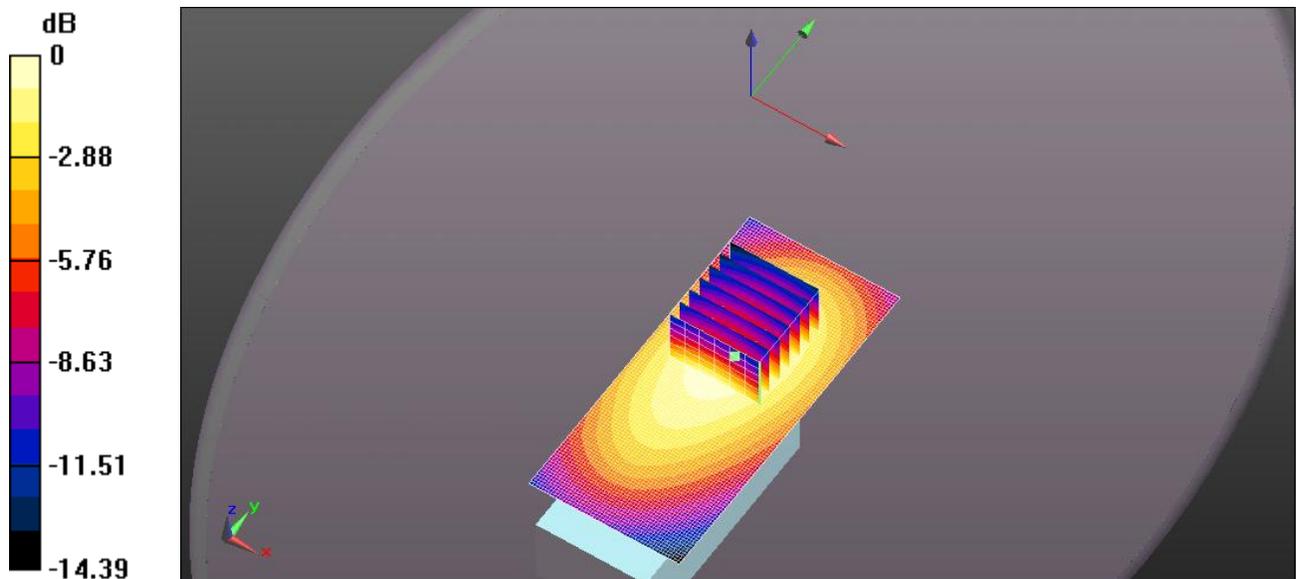
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 84.72 V/m; Power Drift = -0.32 dB

Peak SAR (extrapolated) = 8.30 W/kg

SAR(1 g) = 5.56 W/kg; SAR(10 g) = 3.88 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.35 W/kg



0 dB = 6.36 W/kg = 8.04 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC73US 450MHZ BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 54.235$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS2 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x111x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.69 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

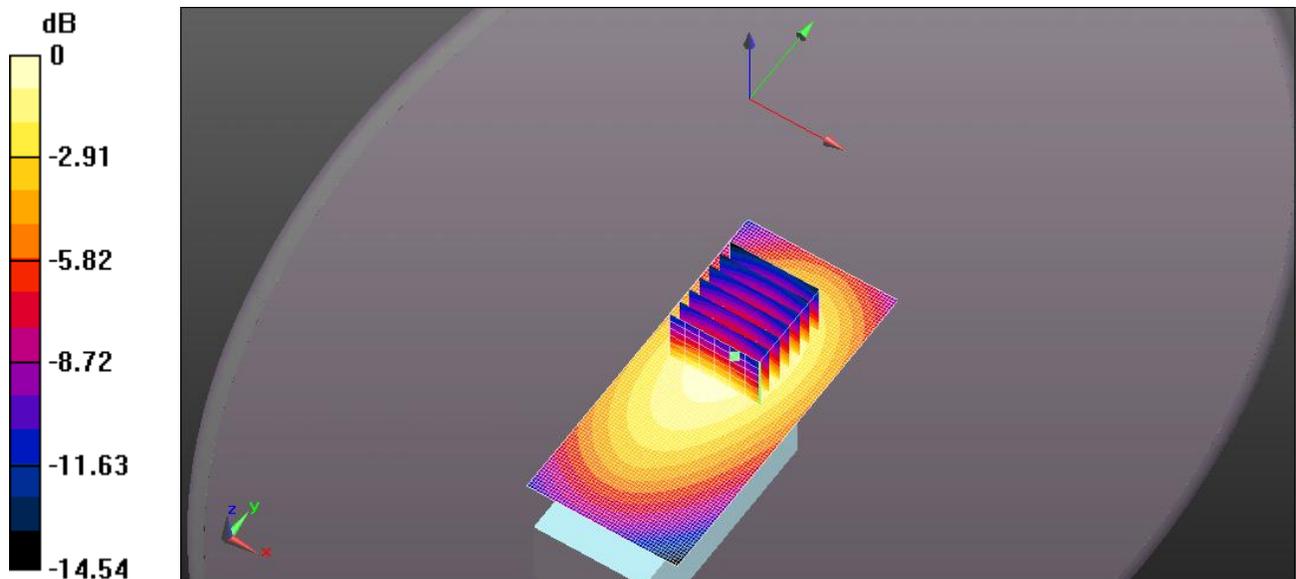
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 75.30 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 6.62 W/kg

SAR(1 g) = 4.51 W/kg; SAR(10 g) = 3.14 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.06 W/kg



0 dB = 4.69 W/kg = 6.71 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 400MHZ 165MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 55.452$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x181x1):

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

Maximum value of SAR (interpolated) = 6.88 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

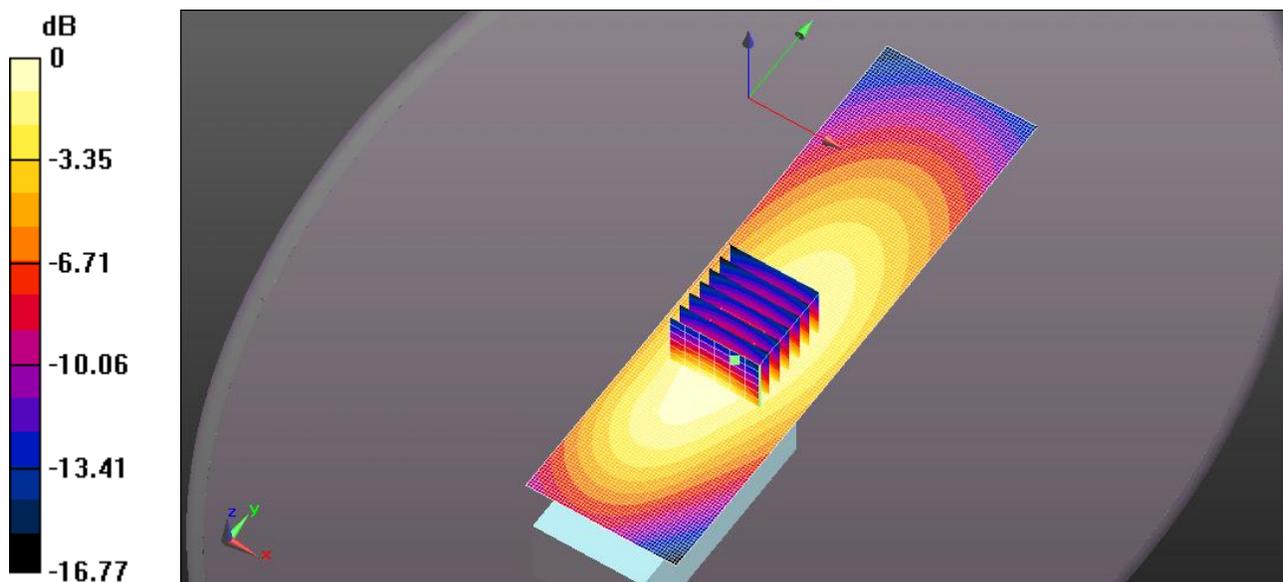
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 88.92 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 9.40 W/kg

SAR(1 g) = 6.56 W/kg; SAR(10 g) = 4.61 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.20 W/kg



0 dB = 6.88 W/kg = 8.37 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 420MHZ 165MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 54.889$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x181x1):

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

Maximum value of SAR (interpolated) = 8.60 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

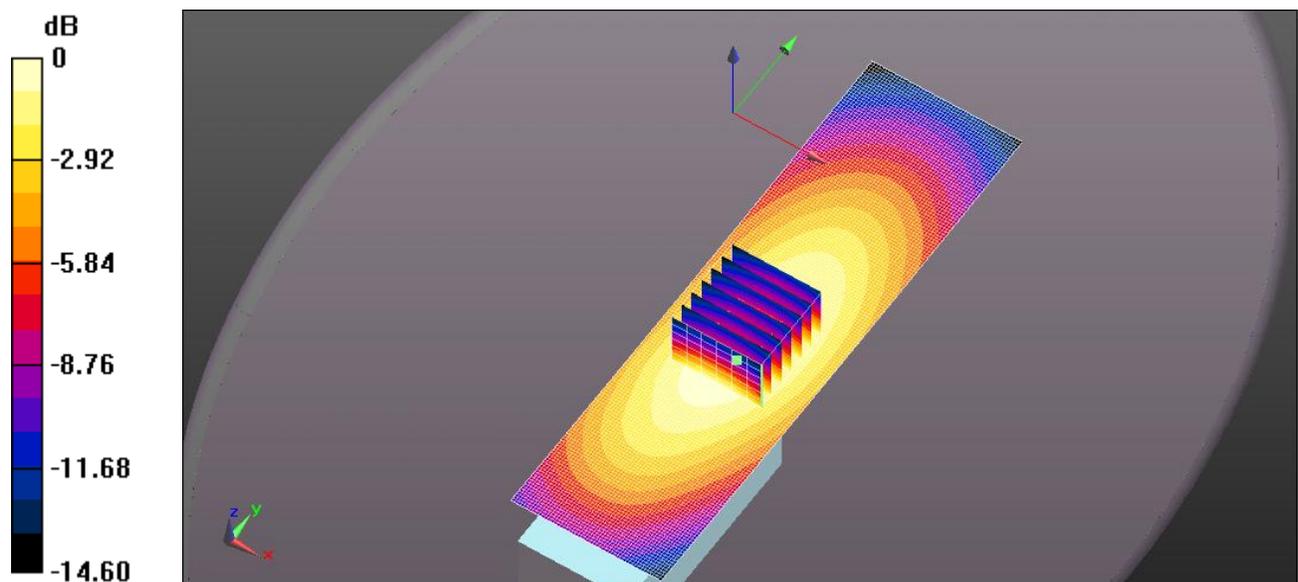
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 102.7 V/m; Power Drift = -0.85 dB

Peak SAR (extrapolated) = 10.5 W/kg

SAR(1 g) = 7.4 W/kg; SAR(10 g) = 5.22 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.07 W/kg



0 dB = 8.60 W/kg = 9.34 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 440MHZ 165MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 54.406$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x181x1):

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

Maximum value of SAR (interpolated) = 6.21 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

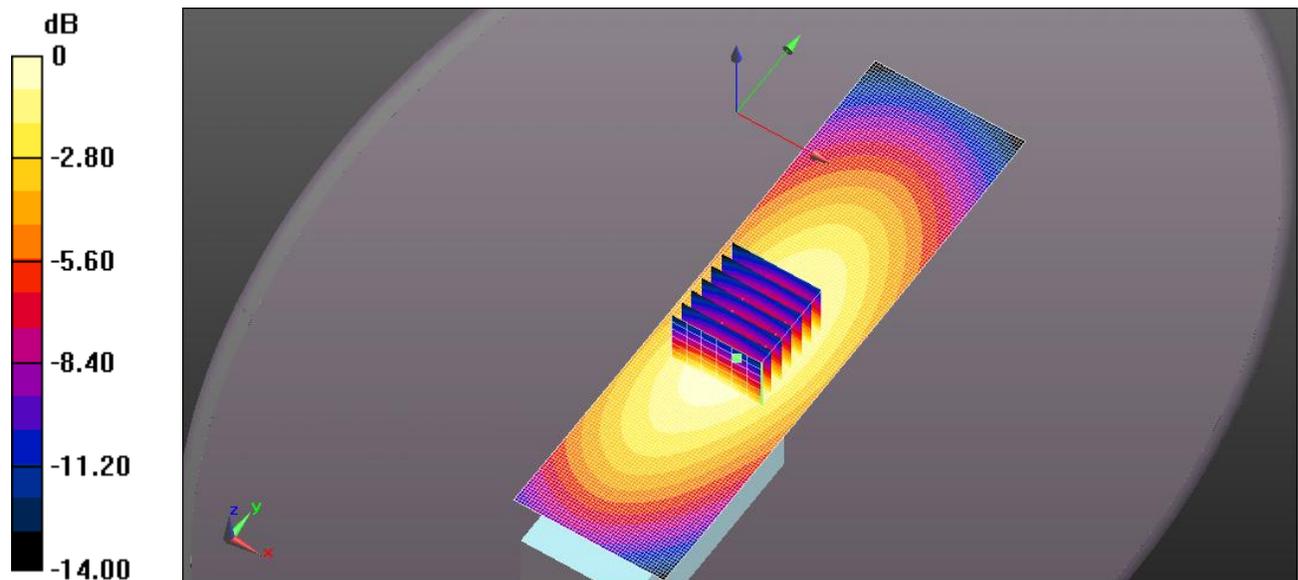
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 86.87 V/m; Power Drift = -1.06 dB

Peak SAR (extrapolated) = 7.40 W/kg

SAR(1 g) = 5.13 W/kg; SAR(10 g) = 3.62 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.62 W/kg



0 dB = 6.21 W/kg = 7.93 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 460MHZ 165MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 54.097$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x181x1):

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

Maximum value of SAR (interpolated) = 4.19 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

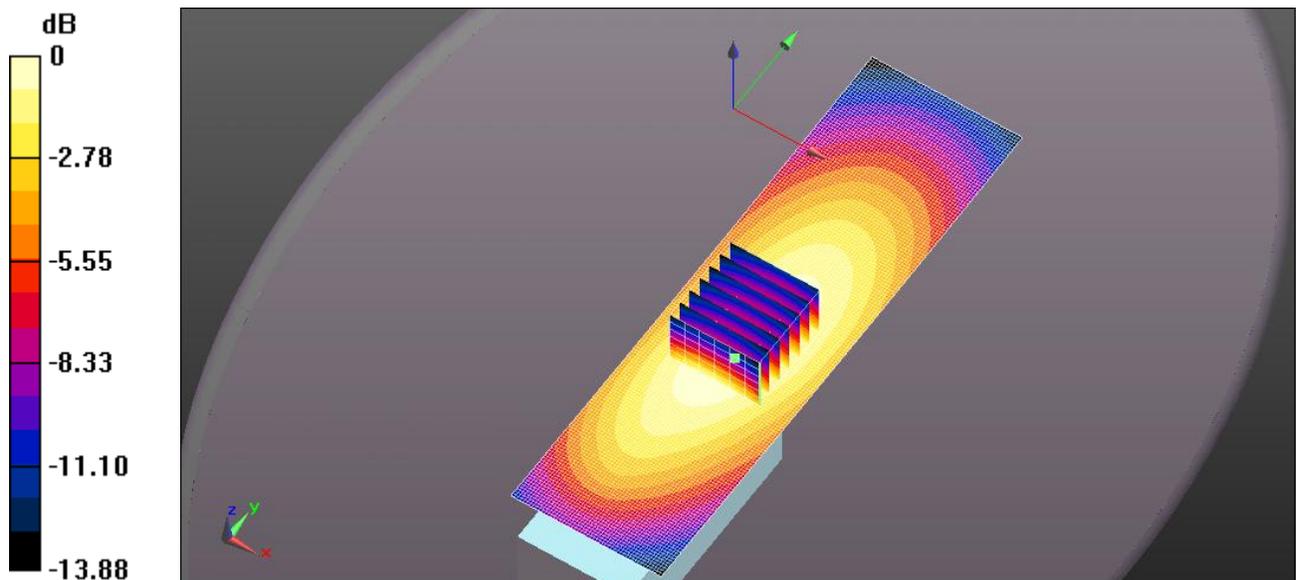
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 69.65 V/m; Power Drift = -0.36 dB

Peak SAR (extrapolated) = 5.55 W/kg

SAR(1 g) = 3.74 W/kg; SAR(10 g) = 2.64 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.26 W/kg



FILE NAME: ICOM-554Q BODY FA-SC61UC 470MHZ 165MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 53.951$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section ; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x181x1):

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

Maximum value of SAR (interpolated) = 4.00 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

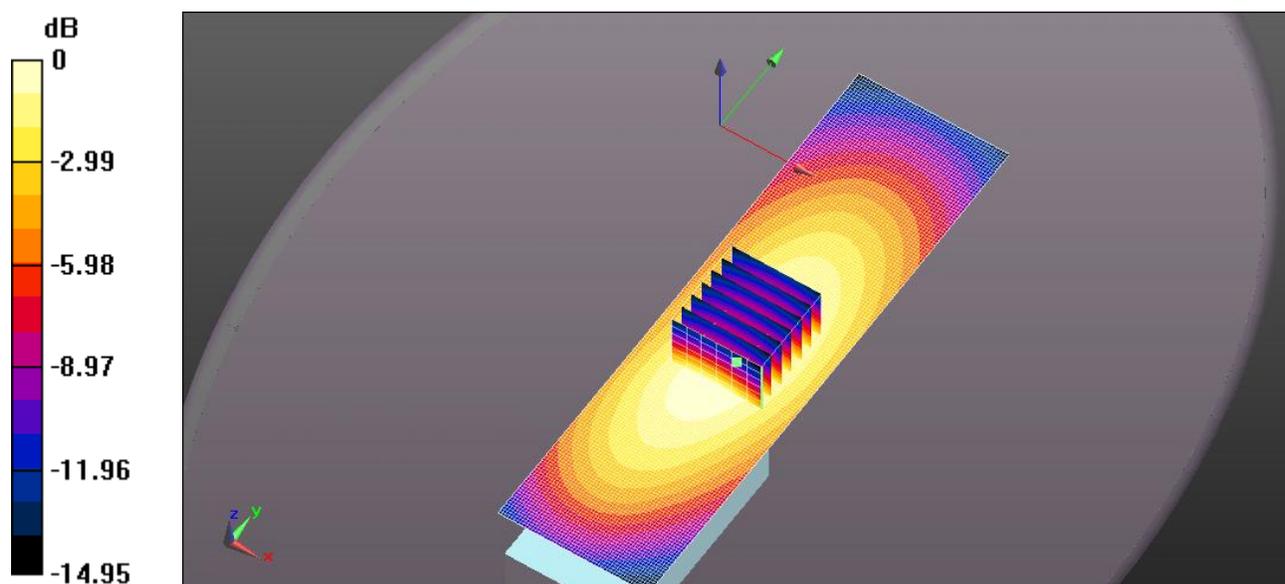
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 65.97 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 5.41 W/kg

SAR(1 g) = 3.58 W/kg; SAR(10 g) = 2.52 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.15 W/kg



0 dB = 4.00 W/kg = 6.02 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 420MHZ 156MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 54.889$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x171x1):

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

Maximum value of SAR (interpolated) = 6.13 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

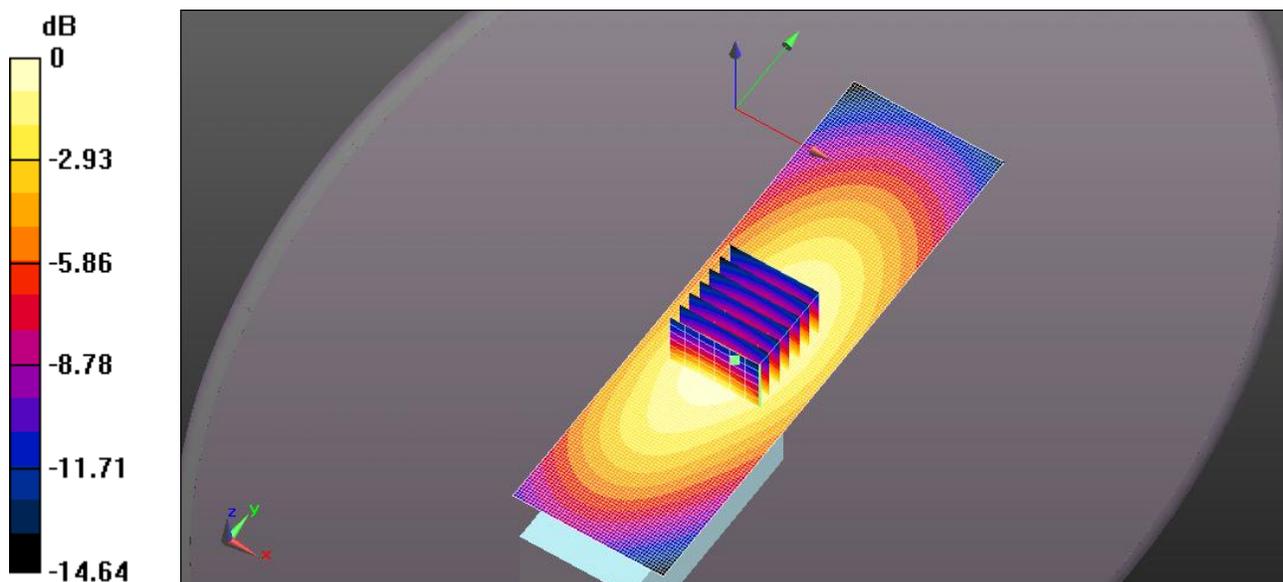
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 84.68 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 7.92 W/kg

SAR(1 g) = 5.55 W/kg; SAR(10 g) = 3.9 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.07 W/kg



0 dB = 6.13 W/kg = 7.88 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 460MHZ 156MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 54.097$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x171x1):

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

Maximum value of SAR (interpolated) = 6.29 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

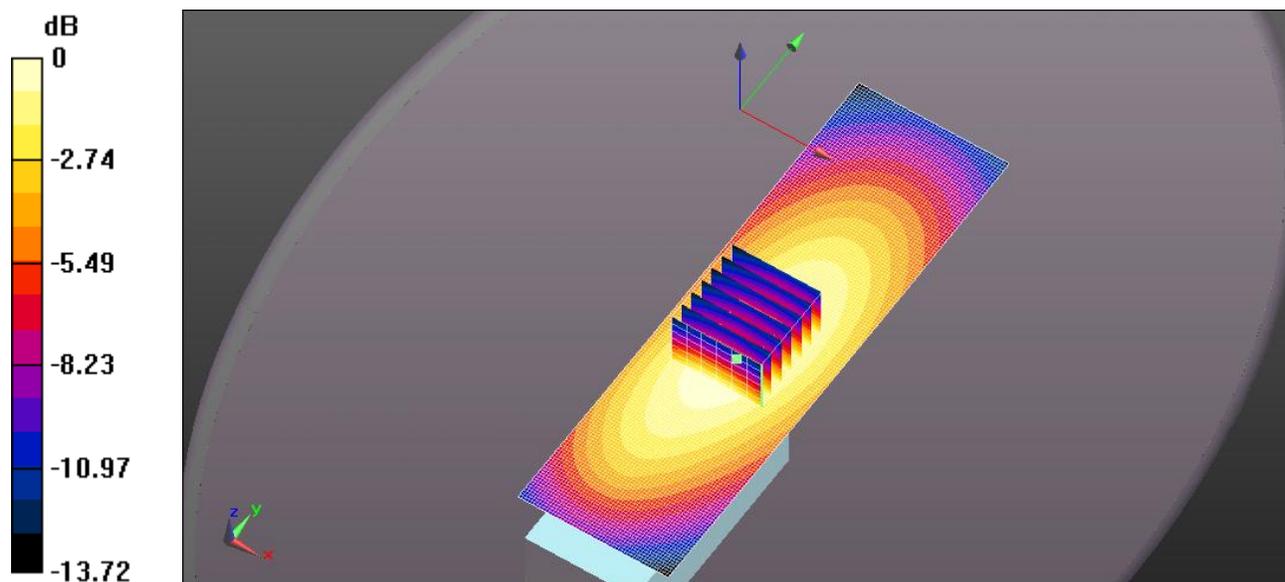
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 82.42 V/m; Power Drift = -0.43 dB

Peak SAR (extrapolated) = 7.74 W/kg

SAR(1 g) = 5.22 W/kg; SAR(10 g) = 3.68 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.91 W/kg



0 dB = 6.29 W/kg = 7.98 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 440MHZ 148MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 54.406$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 8.42 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

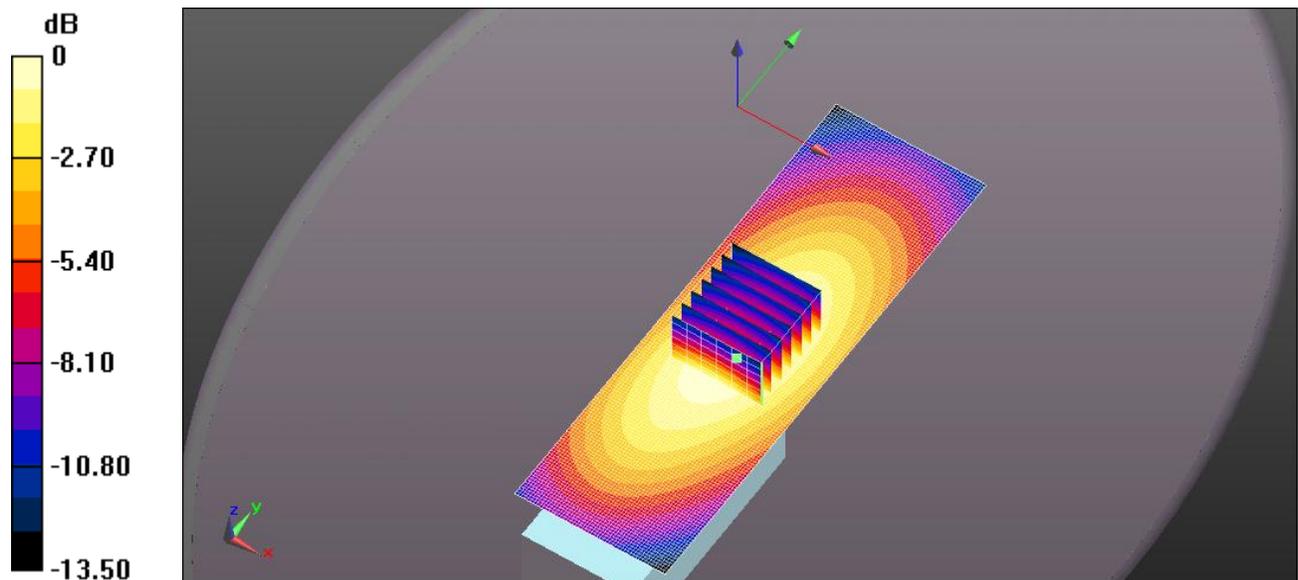
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 100.5 V/m; Power Drift = -0.43 dB

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 7.54 W/kg; SAR(10 g) = 5.3 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.38 W/kg



FILE NAME: ICOM-5540 BODY FA-SC61UC 420MHZ 148MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 54.889$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 5.13 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

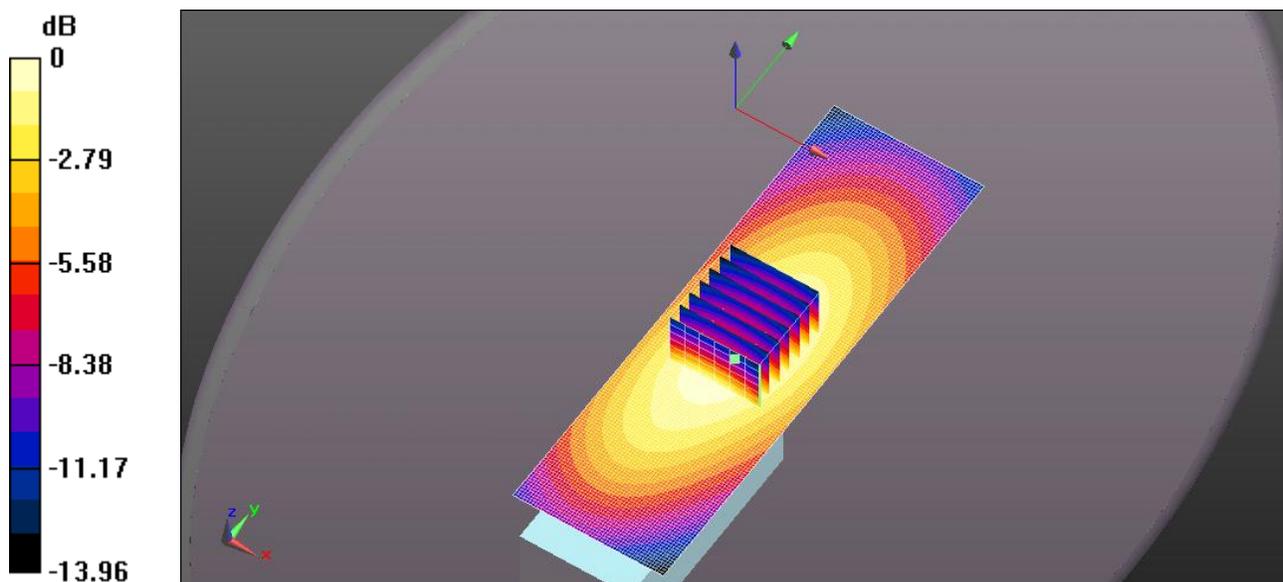
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 79.13 V/m; Power Drift = -0.35 dB

Peak SAR (extrapolated) = 6.70 W/kg

SAR(1 g) = 4.69 W/kg; SAR(10 g) = 3.3 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.14 W/kg



0 dB = 5.13 W/kg = 7.10 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 460MHZ 148MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 54.097$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 7.91 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

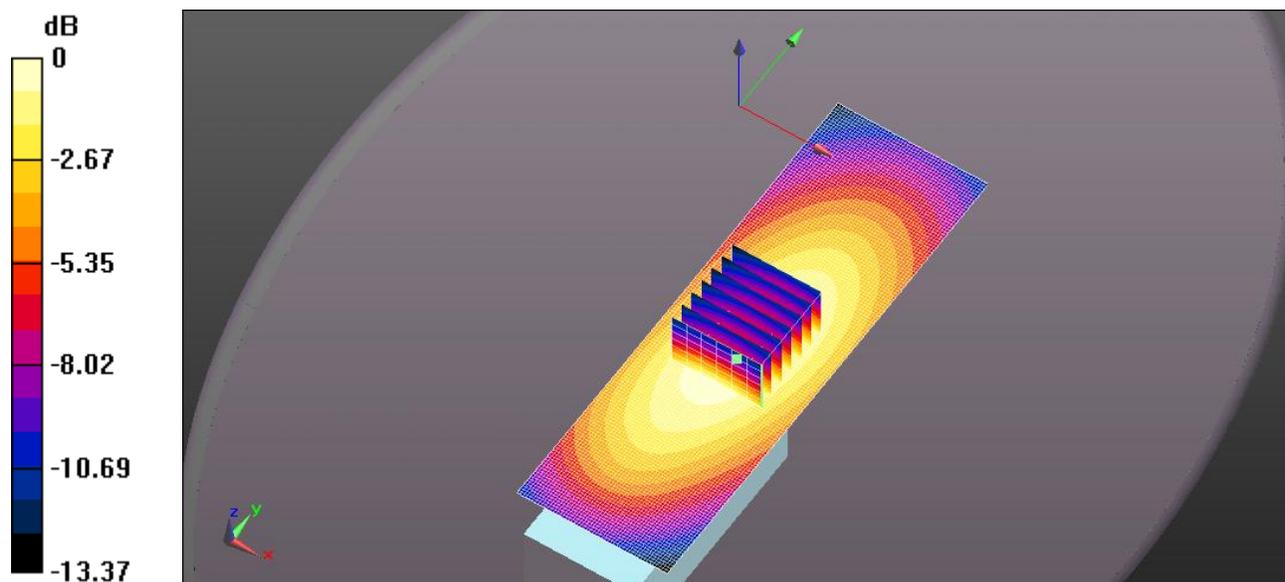
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 99.01 V/m; Power Drift = -1.14 dB

Peak SAR (extrapolated) = 9.66 W/kg

SAR(1 g) = 6.49 W/kg; SAR(10 g) = 4.57 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.38 W/kg



0 dB = 7.91 W/kg = 8.98 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 470MHZ 148MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 53.951$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 7.42 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

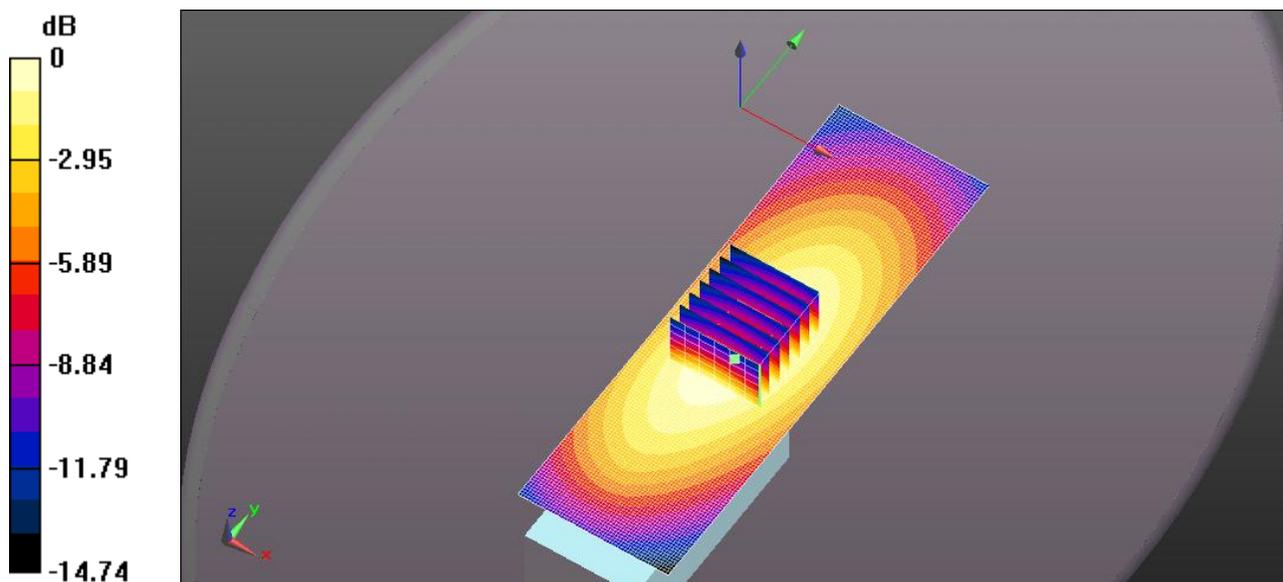
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 93.55 V/m; Power Drift = -1.26 dB

Peak SAR (extrapolated) = 8.72 W/kg

SAR(1 g) = 5.72 W/kg; SAR(10 g) = 4.01 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.63 W/kg



0 dB = 7.42 W/kg = 8.70 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 400MHZ 148MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 55.452$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 3.35 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

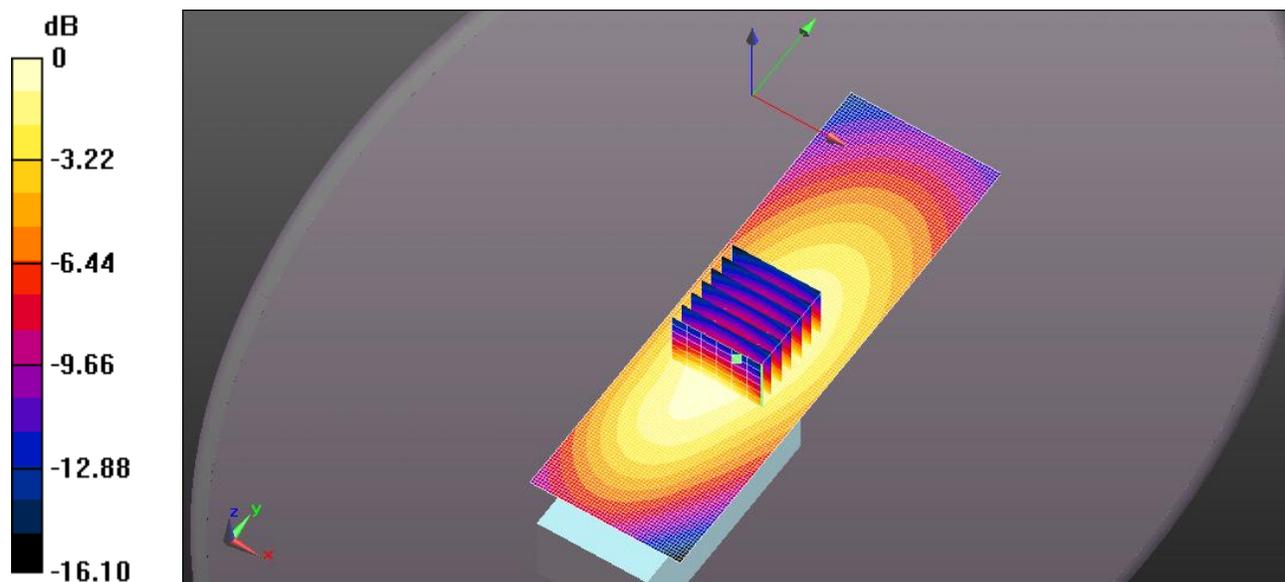
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 61.22 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.48 W/kg

SAR(1 g) = 3.13 W/kg; SAR(10 g) = 2.2 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.45 W/kg



0 dB = 3.35 W/kg = 5.26 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 460MHZ 142MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 54.097$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 8.80 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

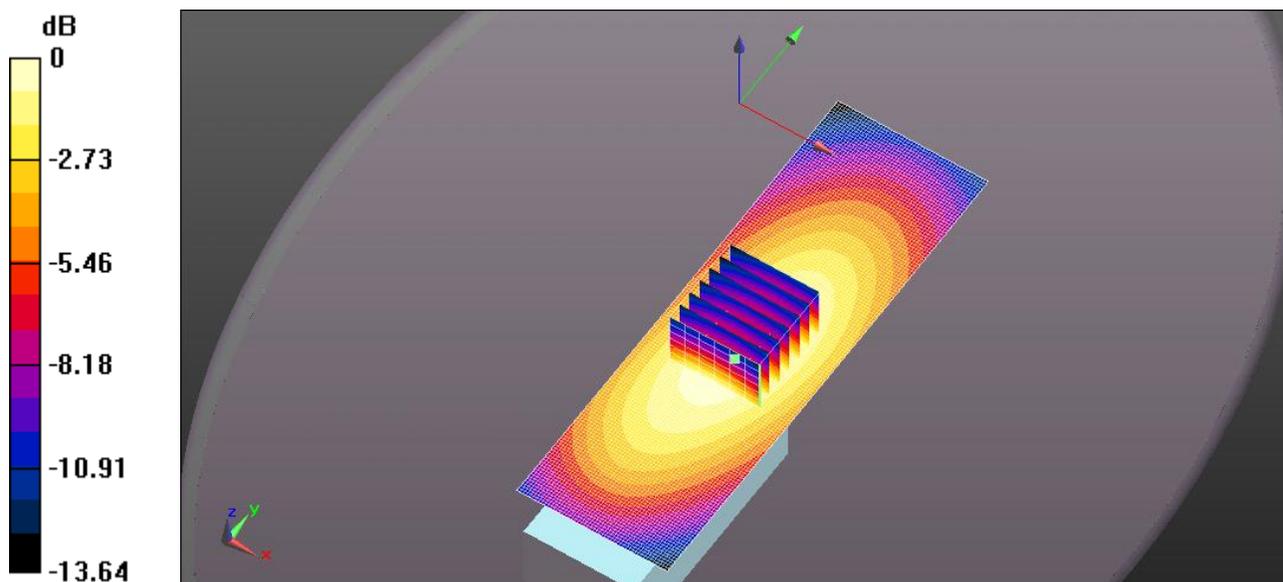
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 101.4 V/m; Power Drift = -0.74 dB

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 7.26 W/kg; SAR(10 g) = 5.1 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.28 W/kg



0 dB = 8.80 W/kg = 9.44 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 440MHZ 142MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 54.406$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 7.39 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

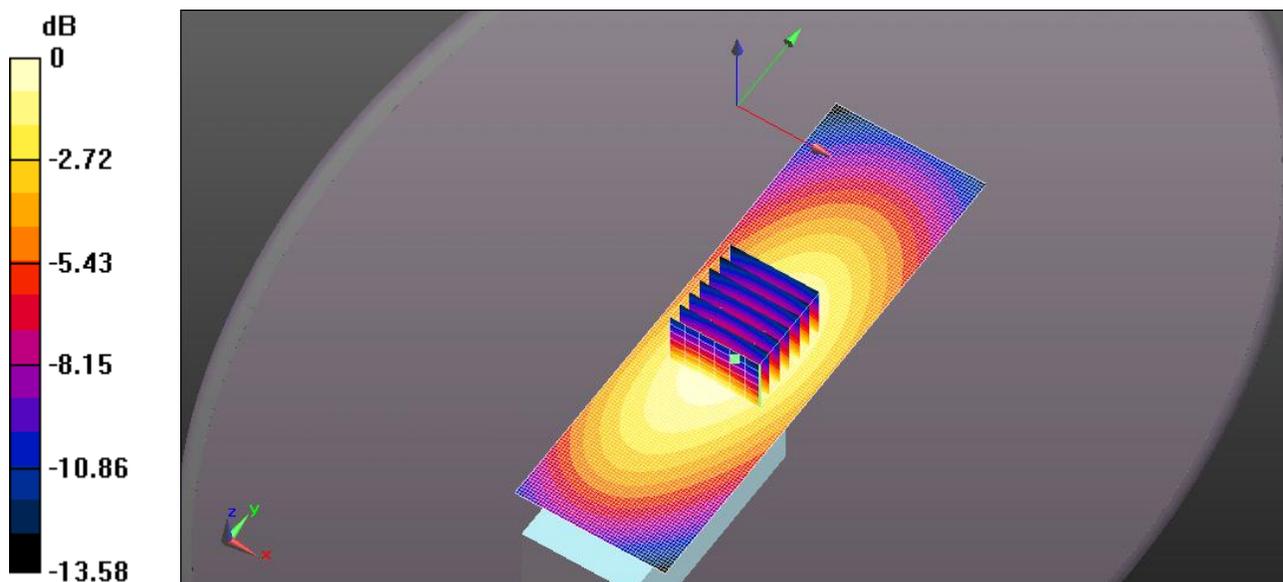
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 91.29 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 9.65 W/kg

SAR(1 g) = 6.72 W/kg; SAR(10 g) = 4.73 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.42 W/kg



0 dB = 7.39 W/kg = 8.68 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 420MHZ 142MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 54.889$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 3.91 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

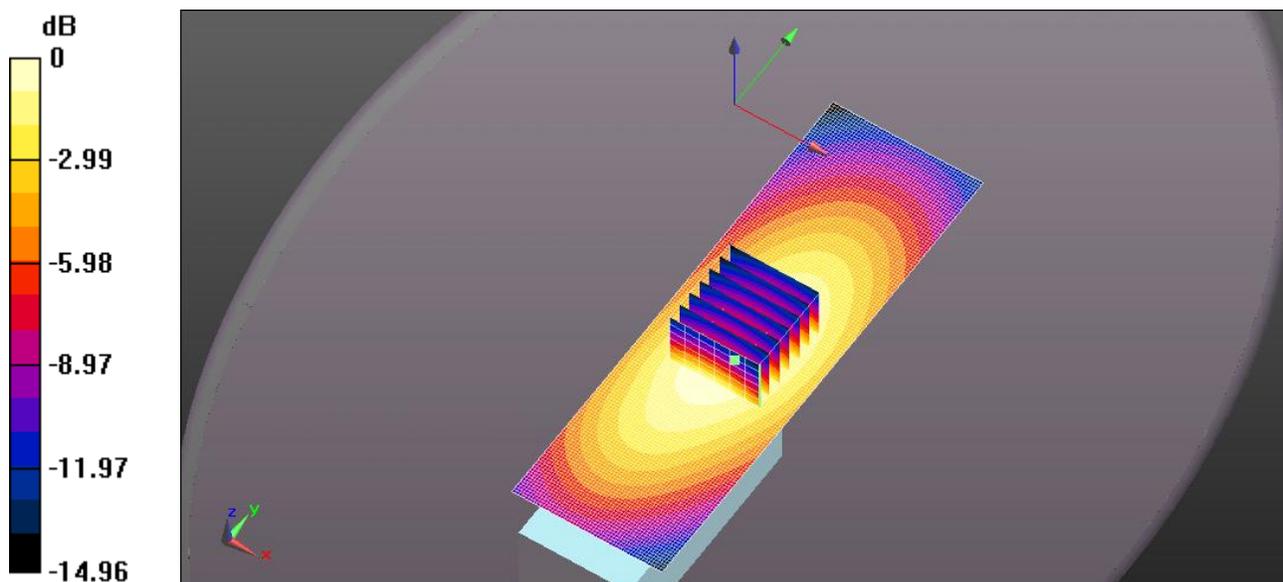
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 67.40 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 5.16 W/kg

SAR(1 g) = 3.61 W/kg; SAR(10 g) = 2.54 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.97 W/kg



0 dB = 3.91 W/kg = 5.92 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 400MHZ 142MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 55.452$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 2.44 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

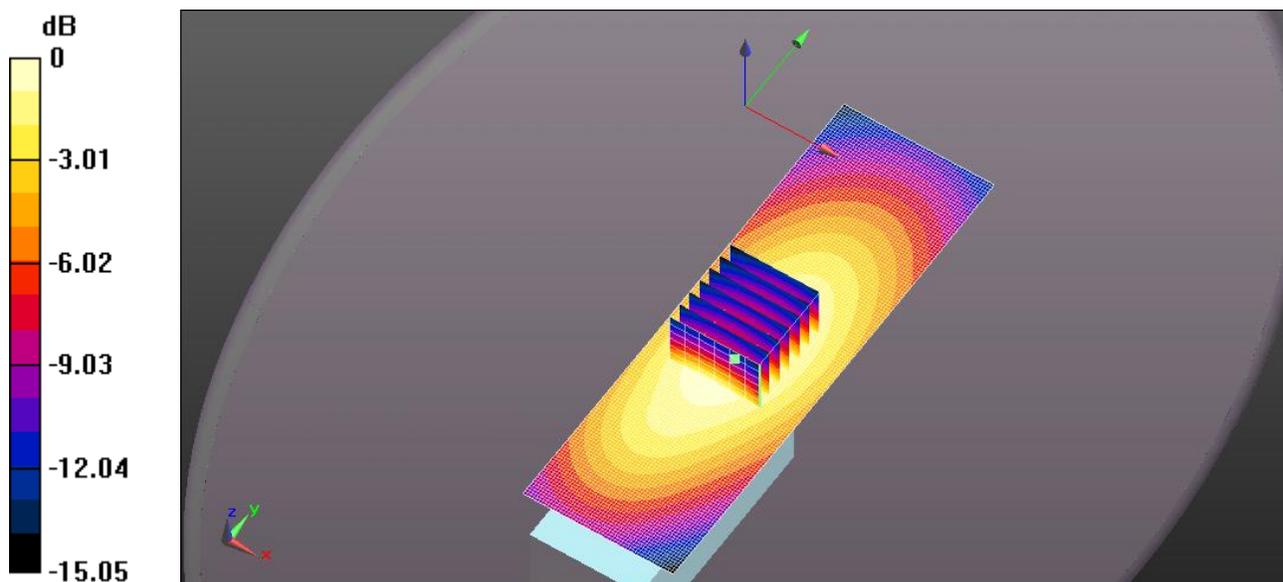
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 53.41 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 3.21 W/kg

SAR(1 g) = 2.25 W/kg; SAR(10 g) = 1.59 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.47 W/kg



FILE NAME: [ICOM-5540 BODY FA-SC61UC 470MHZ 142MM BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 53.951$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 8.33 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

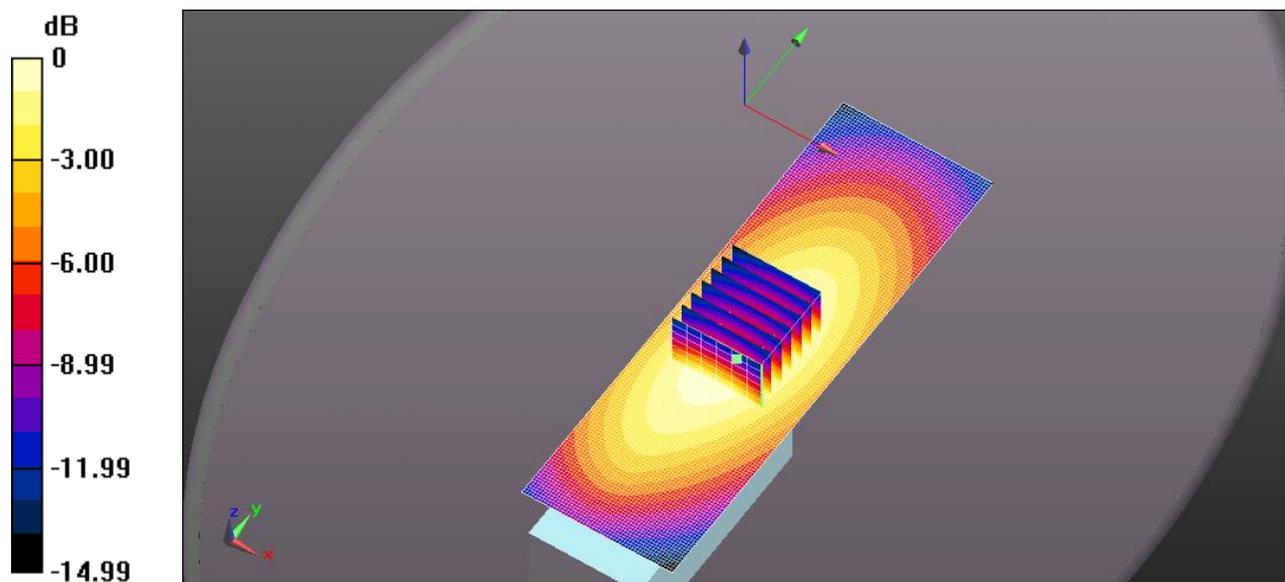
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 101.4 V/m; Power Drift = -1.16 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 6.81 W/kg; SAR(10 g) = 4.77 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.87 W/kg



0 dB = 8.33 W/kg = 9.21 dBW/kg

FILE NAME: [ICOM-5540 BODY FA-SC61UC 470MHZ 136MM BP-279 & MB-133 HM-159LA.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.95$ S/m; $\epsilon_r = 53.951$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 7.61 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

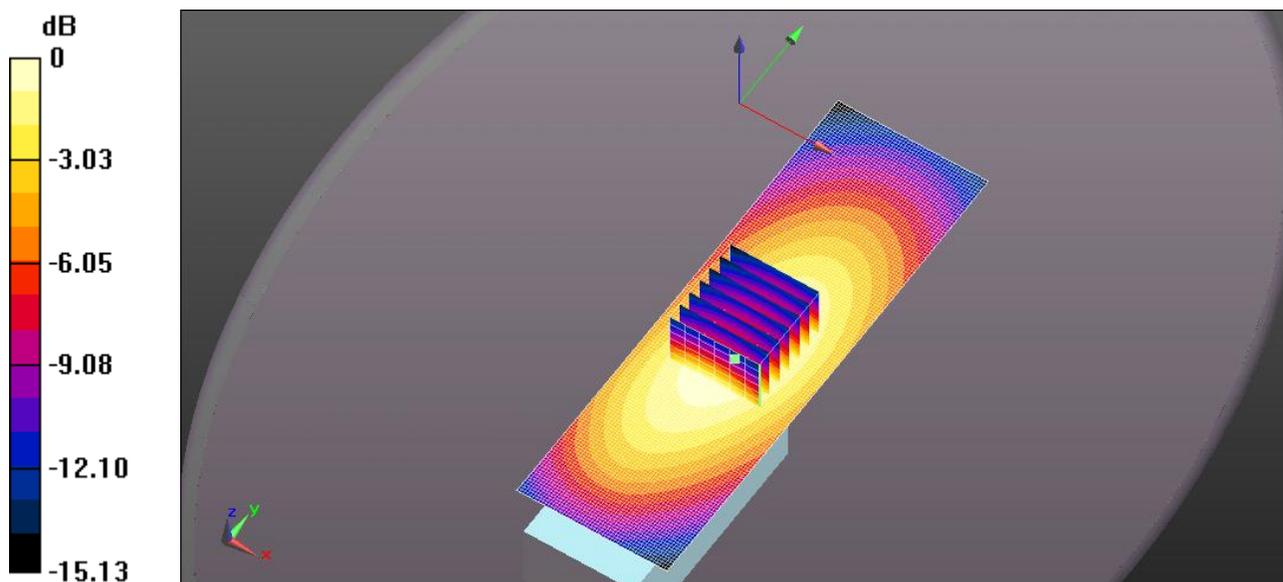
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 91.67 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 9.74 W/kg

SAR(1 g) = 6.42 W/kg; SAR(10 g) = 4.49 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.46 W/kg



0 dB = 7.61 W/kg = 8.81 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 440MHZ 136MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 54.406$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

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

Maximum value of SAR (interpolated) = 4.97 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

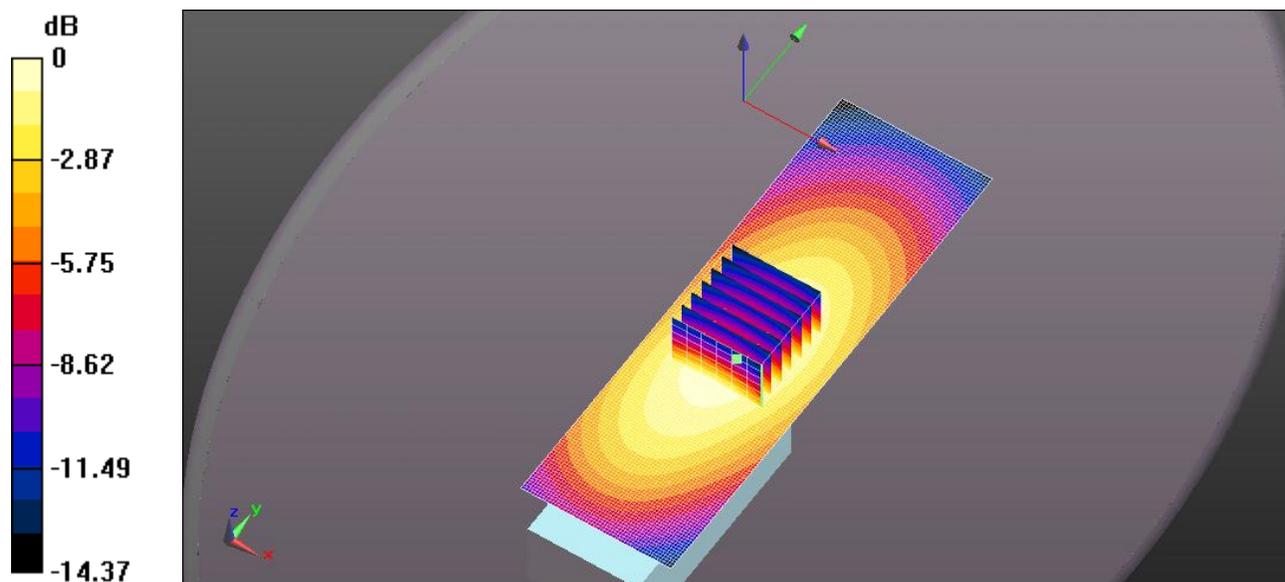
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 75.75 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 6.52 W/kg

SAR(1 g) = 4.52 W/kg; SAR(10 g) = 3.18 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.01 W/kg



0 dB = 4.97 W/kg = 6.96 dBW/kg

FILE NAME: ICOM-5540 BODY FA-SC61UC 400MHZ 136MM BP-279 & MB-133 HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 83000215

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 55.452$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: ES3DV3 - SN3250; ConvF(7.02, 7.02, 7.02); Calibrated: 4/19/2021;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/11/2021
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Area Scan (51x161x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.98 W/kg

Configuration_Body, IC-F2100DT/Body Back, P=5W, d=0mm/Zoom Scan (5x5x7)

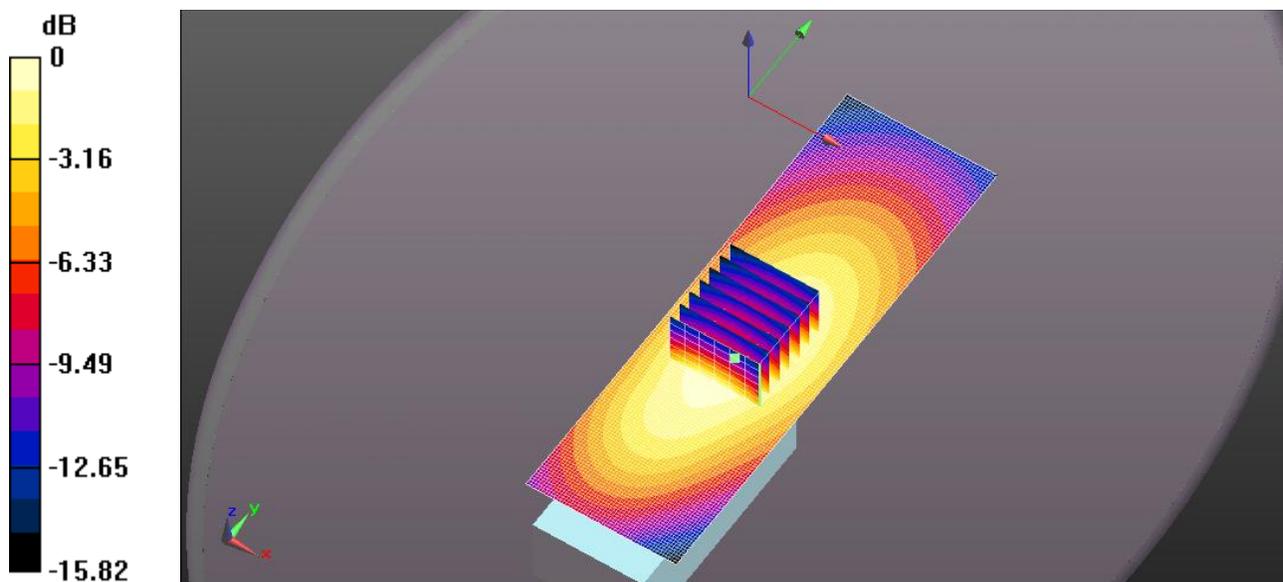
(7x7x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 47.44 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = 1.82 W/kg; SAR(10 g) = 1.27 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.00 W/kg



0 dB = 1.98 W/kg = 2.96 dBW/kg