

APPENDIX 1

SAR Measurement Data

Table of Contents

EXHIBIT 1. PRESCAN MEASUREMENT SUMMARY.....	3
FILE NAME: ICOM-514Q HEAD FA-SC57U 450MHz BP-278.DA52:0	4
FILE NAME: ICOM-514Q HEAD FA-SC57U 450MHz BP-279.DA52:0	5
FILE NAME: ICOM-514Q HEAD FA-SC57U 450MHz BP-280.DA52:0	6
FILE NAME: ICOM-514Q BODY FA-SC57U 450MHz BP-278 HM-171GP.DA52:0	7
FILE NAME: ICOM-514Q BODY FA-SC57U 450MHz BP-279 HM-171GP.DA52:0	8
FILE NAME: ICOM-514Q BODY FA-SC57U 450MHz BP-280 HM-171GP.DA52:0	9
FILE NAME: ICOM-514Q BODY FA-SC57U 450MHz BP-278 HS-94.DA52:0	10
EXHIBIT 2. HEAD SAR MEASUREMENTS.....	11
FILE NAME: ICOM-514Q HEAD FA-SC57U 450MHz BP-280.DA52:0	13
FILE NAME: ICOM-514Q HEAD FA-SC25U 430MHz BP-280.DA52:0	14
FILE NAME: ICOM-514Q HEAD FA-SC25U 400MHz BP-280.DA52:0	15
FILE NAME: ICOM-514Q HEAD FA-SC26US 400MHz BP-280.DA52:0	16
FILE NAME: ICOM-514Q HEAD FA-SC26US 425MHz BP-280.DA52:0	17
FILE NAME: ICOM-514Q HEAD FA-SC26US 450MHz BP-280.DA52:0	18
FILE NAME: ICOM-514Q HEAD FA-SC73US 450MHz BP-280.DA52:0	19
FILE NAME: ICOM-514Q HEAD FA-SC73US 470MHz BP-280.DA52:0	20
FILE NAME: ICOM-514Q HEAD FA-SC61UC 400MHz 165MM BP-280.DA52:0	21
FILE NAME: ICOM-514Q HEAD FA-SC61UC 440MHz 165MM BP-280.DA52:0	22
FILE NAME: ICOM-514Q HEAD FA-SC61UC 470MHz 165MM BP-280.DA52:0	23
FILE NAME: ICOM-514Q HEAD FA-SC61UC 420MHz 156MM BP-280.DA52:0	24
FILE NAME: ICOM-514Q HEAD FA-SC61UC 460MHz 156MM BP-280.DA52:0	25
FILE NAME: ICOM-514Q HEAD FA-SC61UC 400MHz 148MM BP-280.DA52:0	26
FILE NAME: ICOM-514Q HEAD FA-SC61UC 440MHz 148MM BP-280.DA52:0	27
FILE NAME: ICOM-514Q HEAD FA-SC61UC 470MHz 148MM BP-280.DA52:0	28
FILE NAME: ICOM-514Q HEAD FA-SC61UC 420MHz 142MM BP-280.DA52:0	29
FILE NAME: ICOM-514Q HEAD FA-SC61UC 460MHz 142MM BP-280.DA52:0	30
FILE NAME: ICOM-514Q HEAD FA-SC61UC 400MHz 136MM BP-280.DA52:0	31
FILE NAME: ICOM-514Q HEAD FA-SC61UC 440MHz 136MM BP-280.DA52:0	32
FILE NAME: ICOM-514Q HEAD FA-SC61UC 470MHz 136MM BP-280.DA52:0	33
EXHIBIT 3. BODY SAR MEASUREMENTS.....	34
FILE NAME: ICOM-514Q BODY FA-SC57U 450MHz BP-278 HM-171GP.DA52:0	36
FILE NAME: ICOM-514Q BODY FA-SC25U 400MHz BP-278 HM-171GP.DA52:0	37
FILE NAME: ICOM-514Q BODY FA-SC25U 430MHz BP-278 HM-171GP.DA52:0	38
FILE NAME: ICOM-514Q BODY FA-SC26US 400MHz BP-278 HM-171GP.DA52:0	39
FILE NAME: ICOM-514Q BODY FA-SC26US 425MHz BP-278 HM-171GP.DA52:0	40
FILE NAME: ICOM-514Q BODY FA-SC26US 450MHz BP-278 HM-171GP.DA52:0	41
FILE NAME: ICOM-514Q BODY FA-SC73US 450MHz BP-278 HM-171GP.DA52:0	42
FILE NAME: ICOM-514Q BODY FA-SC73US 470MHz BP-278 HM-171GP.DA52:0	43
FILE NAME: ICOM-514Q BODY FA-SC61UC 400MHz 165MM BP-278 HM-171GP.DA52:0	44
FILE NAME: ICOM-514Q BODY FA-SC61UC 440MHz 165MM BP-278 HM-171GP.DA52:0	45
FILE NAME: ICOM-514Q BODY FA-SC61UC 470MHz 165MM BP-278 HM-171GP.DA52:0	46
FILE NAME: ICOM-514Q BODY FA-SC61UC 420MHz 156MM BP-278 HM-171GP.DA52:0	47
FILE NAME: ICOM-514Q BODY FA-SC61UC 460MHz 156MM BP-278 HM-171GP.DA52:0	48
FILE NAME: ICOM-514Q BODY FA-SC61UC 400MHz 148MM BP-278 HM-171GP.DA52:0	49
FILE NAME: ICOM-514Q BODY FA-SC61UC 440MHz 148MM BP-278 HM-171GP.DA52:0	50
FILE NAME: ICOM-514Q BODY FA-SC61UC 470MHz 148MM BP-278 HM-171GP.DA52:0	51
FILE NAME: ICOM-514Q BODY FA-SC61UC 420MHz 142MM BP-278 HM-171GP.DA52:0	52
FILE NAME: ICOM-514Q BODY FA-SC61UC 460MHz 142MM BP-278 HM-171GP.DA52:0	53
FILE NAME: ICOM-514Q BODY FA-SC61UC 400MHz 136MM BP-278 HM-171GP.DA52:0	54
FILE NAME: ICOM-514Q BODY FA-SC61UC 440MHz 136MM BP-278 HM-171GP.DA52:0	55
FILE NAME: ICOM-514Q BODY FA-SC61UC 470MHz 136MM BP-278 HM-171GP.DA52:0	56

EXHIBIT 1. PRESCAN MEASUREMENT SUMMARY

Head Prescan

Battery	Antenna	Power (dBm)	CH	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift
				(MHz)			(dB)
BP-278	FA-S57U	37.12	9	450	3.39	2.51	-1.02
BP-279		37.12	9	450	3.44	2.55	-0.55
BP-280		37.12	9	450	3.68	2.7	-0.2

Body Prescan

Battery with MB-133 &HM-171GP	Antenna	Power (dBm)	CH	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift
				(MHz)			(dB)
BP-278	FA-S57U	37.12	9	450	6.64	4.81	-0.71
BP-279		37.12	9	450	6.59	4.76	-0.42
BP-280		37.12	9	450	6.33	4.59	-0.13

Battery BP-278 with MB-133 &HS-94	Antenna	Power (dBm)	CH	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift
				(MHz)	BP-278	BP-278	(dB)
HS-94	FA-S57U	37.12	9	450	5.99	4.35	-0.52

FILE NAME: ICOM-514Q HEAD FA-SC57U 450MHZ BP-278.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.842$ S/m; $\epsilon_r = 44.549$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x111x1):

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

Maximum value of SAR (interpolated) = 4.48 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

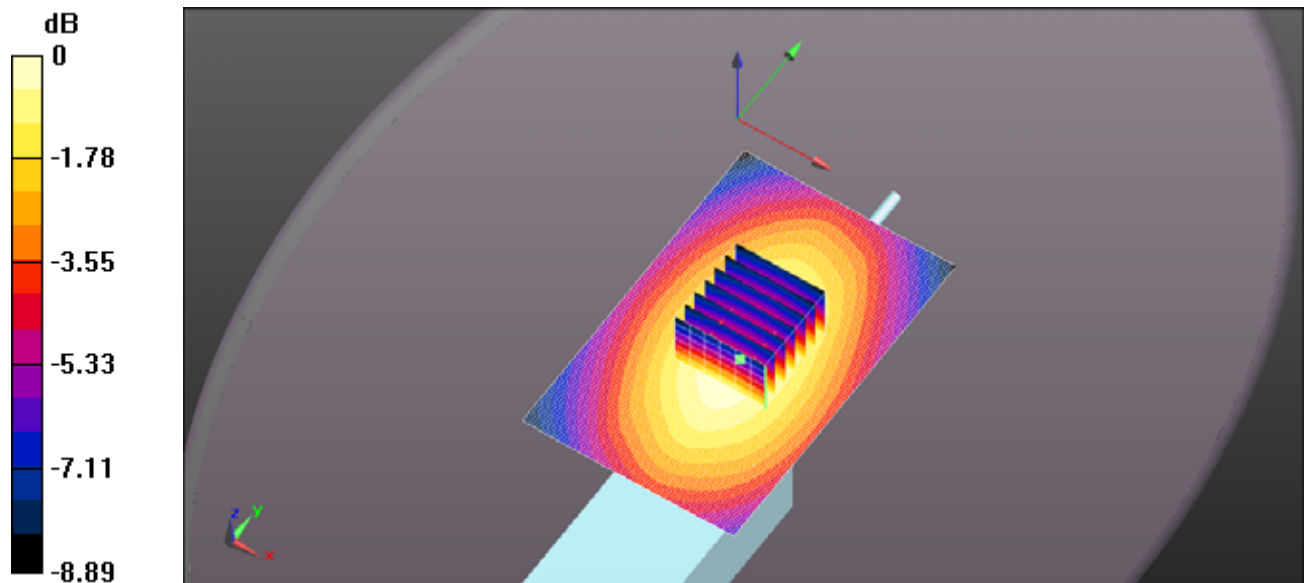
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 79.13 V/m; Power Drift = -1.02 dB

Peak SAR (extrapolated) = 4.72 W/kg

SAR(1 g) = 3.39 W/kg; SAR(10 g) = 2.51 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.16 W/kg



0 dB = 4.48 W/kg = 6.51 dBW/kg

FILE NAME: ICOM-514Q HEAD FA-SC57U 450MHZ BP-279.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.842 \text{ S/m}$; $\epsilon_r = 44.549$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x111x1):

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

Maximum value of SAR (interpolated) = 4.35 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

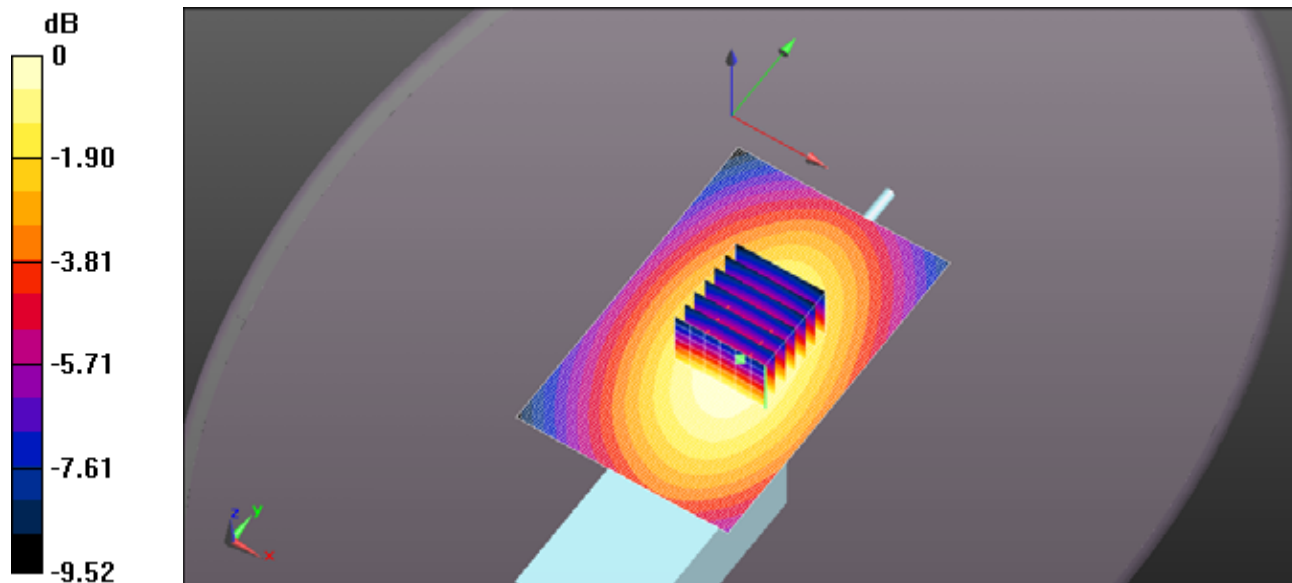
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 77.65 V/m ; Power Drift = -0.55 dB

Peak SAR (extrapolated) = 4.80 W/kg

SAR(1 g) = 3.44 W/kg ; SAR(10 g) = 2.55 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.24 W/kg



0 dB = 4.35 W/kg = 6.39 dBW/kg

FILE NAME: ICOM-514Q HEAD FA-SC57U 450MHZ BP-280.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.842 \text{ S/m}$; $\epsilon_r = 44.549$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x111x1):

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

Maximum value of SAR (interpolated) = 4.56 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

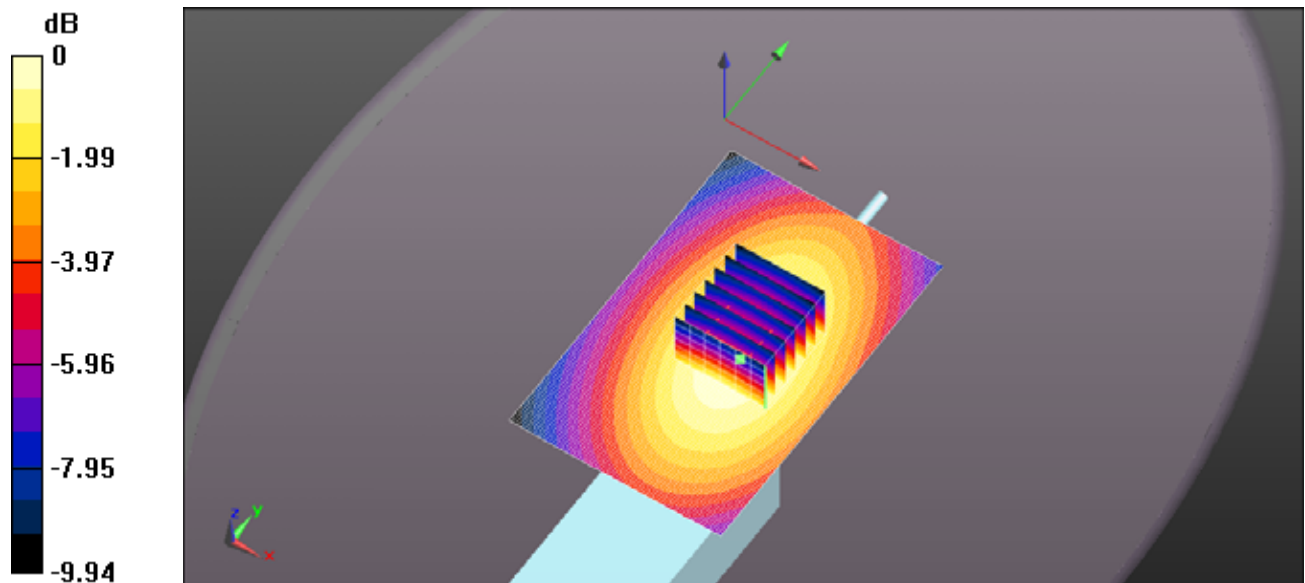
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 74.50 V/m ; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 5.15 W/kg

SAR(1 g) = 3.68 W/kg ; SAR(10 g) = 2.7 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.55 W/kg



0 dB = 4.56 W/kg = 6.59 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC57U 450MHZ BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

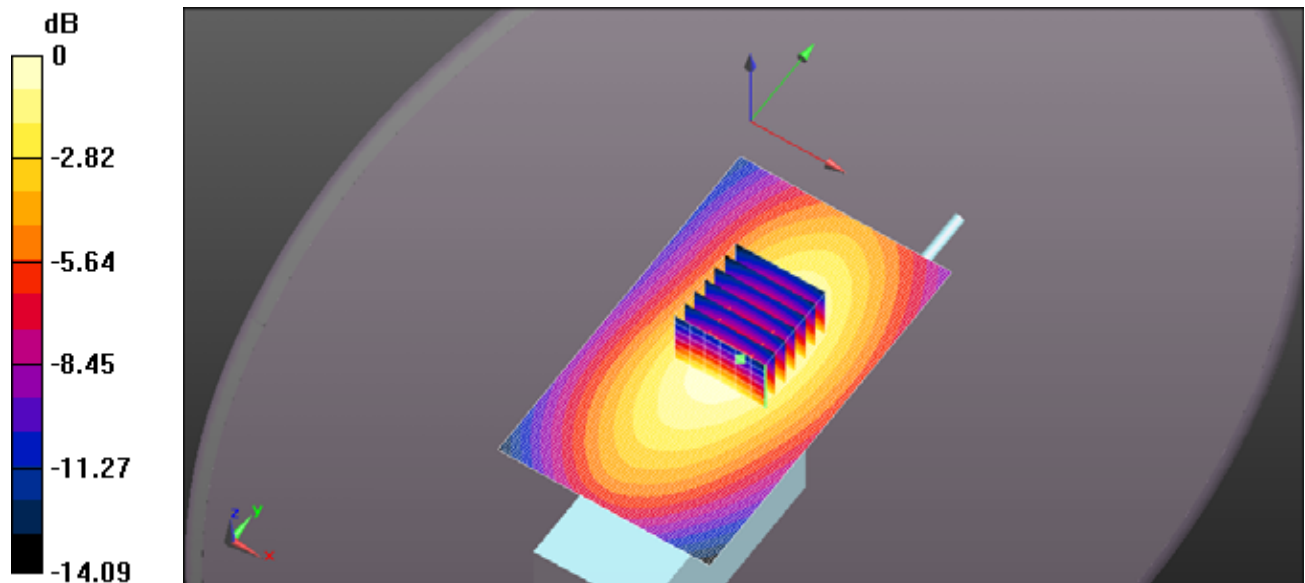
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 54.793$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (71x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.70 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 102.9 V/m; Power Drift = -0.71 dB
Peak SAR (extrapolated) = 9.87 W/kg
SAR(1 g) = 6.64 W/kg; SAR(10 g) = 4.81 W/kg
Maximum value of SAR (measured) = 8.60 W/kg



0 dB = 8.70 W/kg = 9.39 dBW/kg

FILE NAME: [ICOM-514Q BODY FA-SC57U 450MHZ BP-279 HM-171GP.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

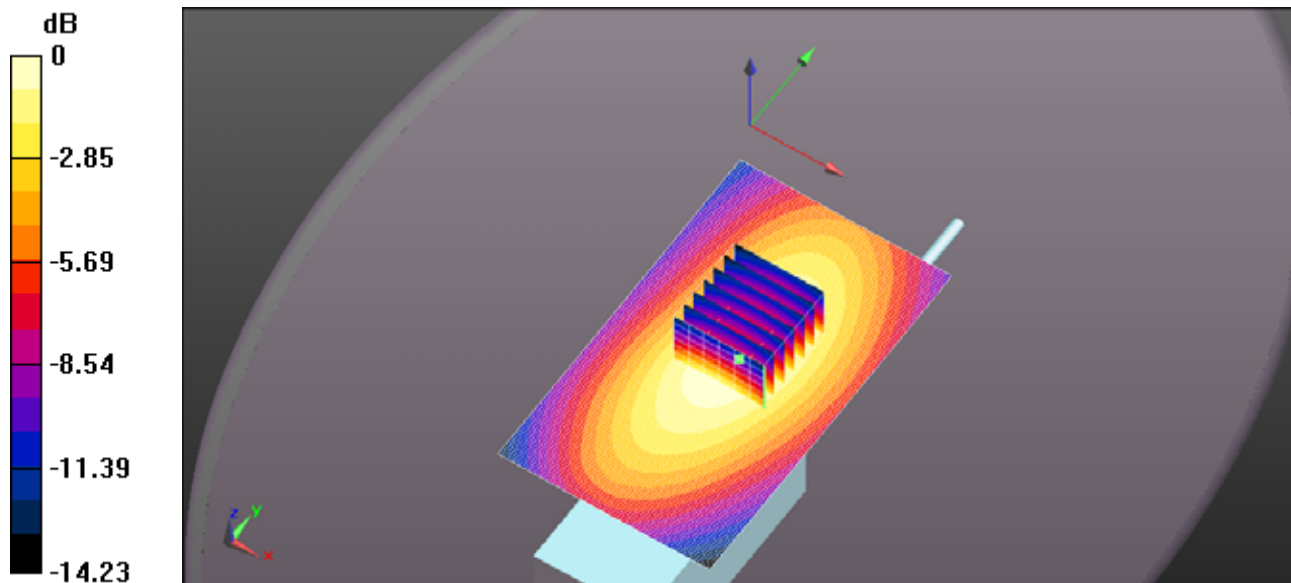
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 54.793$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (71x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.47 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 97.75 V/m; Power Drift = -0.42 dB
Peak SAR (extrapolated) = 9.81 W/kg
SAR(1 g) = 6.59 W/kg; SAR(10 g) = 4.76 W/kg
Maximum value of SAR (measured) = 8.55 W/kg



0 dB = 8.47 W/kg = 9.28 dBW/kg

FILE NAME: [ICOM-514Q BODY FA-SC57U 450MHZ BP-280 HM-171GP.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

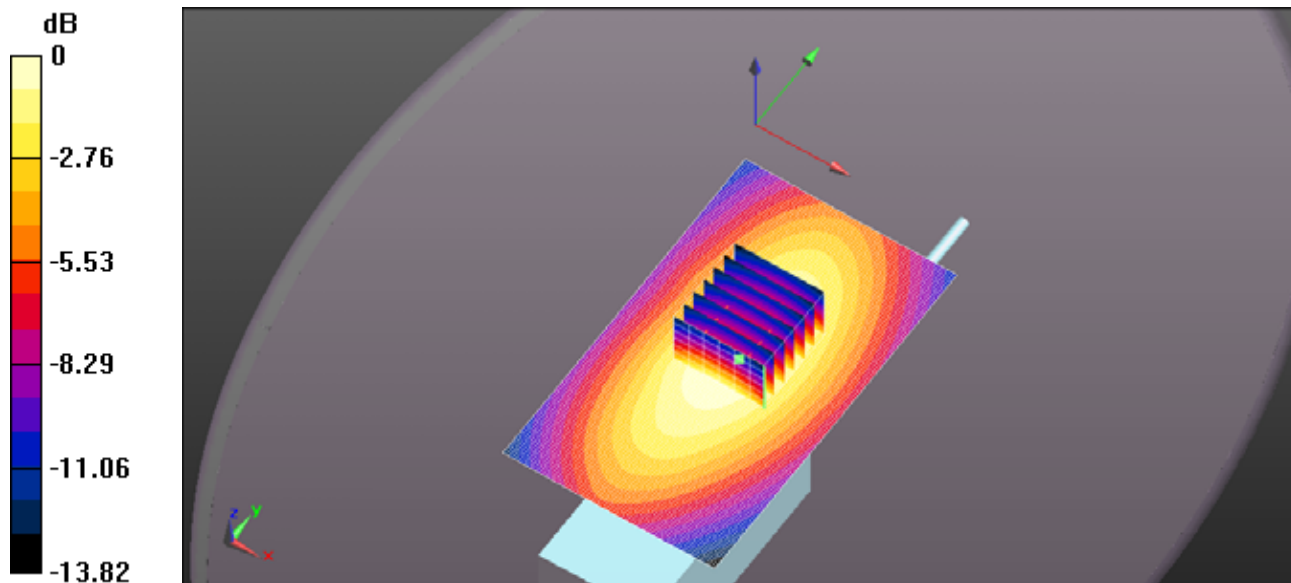
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 54.793$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (71x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.20 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 91.77 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 9.39 W/kg
SAR(1 g) = 6.33 W/kg; SAR(10 g) = 4.59 W/kg
Maximum value of SAR (measured) = 8.19 W/kg



0 dB = 8.20 W/kg = 9.14 dBW/kg

FILE NAME: [ICOM-514Q BODY FA-SC57U 450MHZ BP-278 HS-94.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 54.793$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (71x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.54 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 96.25 V/m; Power Drift = -0.52 dB
Peak SAR (extrapolated) = 8.84 W/kg
SAR(1 g) = 5.99 W/kg; SAR(10 g) = 4.35 W/kg
Maximum value of SAR (measured) = 7.73 W/kg

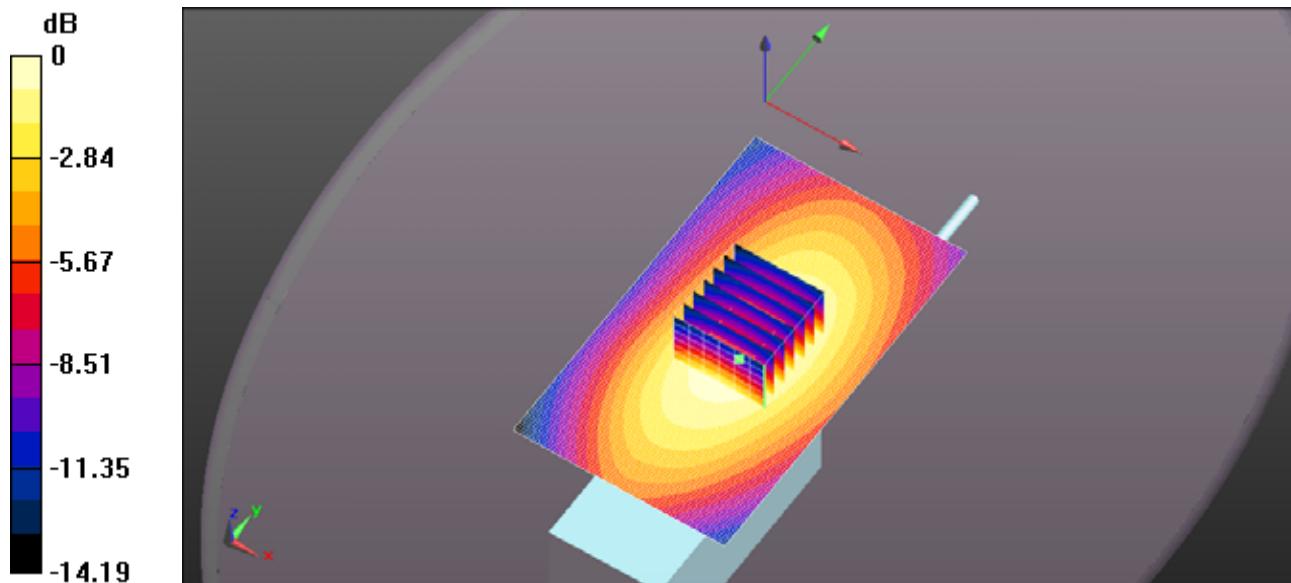


EXHIBIT 2. HEAD SAR MEASUREMENTS

Antenna	Power (dBm)	CH	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift
				BP-280	BP-280	
			(MHz)	2280mAh	2280mAh	
FA-SC25U 400-430 MHz	37.02	1	400	3.59	2.65	0.1
	37.04	3	415	**	**	**
	37.09	6	430	6.39	4.73	-0.75
FA-SC57U 430-470 MHz	37.09	6	430	**	**	**
	37.12	9	450	4.02	2.95	-0.73
	37.10	12	470	**	**	**
FA-SC26US 400-450 MHz	37.02	1	400	1.02	0.747	-0.32
	37.03	2	412.5	**	**	**
	37.08	5	425	4.56	3.35	-0.45
	37.11	7	437.5	**	**	**
	37.12	9	450	1.98	1.39	-2.87
FA-SC73US 450-470 MHz	37.12	9	450	2.51	1.84	-0.15
	37.10	11	460	**	**	**
	37.10	12	470	4.16	3.03	-0.78

Cut Antenna	Power (dBm)	CH	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift
				BP-280	BP-280	
			(MHz)	2280mAh	2280mAh	
FA-S61UC 400MHz 165mm	37.02	1	400	5.2	3.85	-0.55
	37.07	4	420	**	**	**
	37.09	8	440	5.62	4.15	-1.07
	37.10	11	460	**	**	**
	37.10	12	470	3.93	2.87	-1.32
FA-S61UC 420MHz 156mm	37.02	1	400	**	**	**
	37.07	4	420	5.15	3.8	-0.13
	37.09	8	440	**	**	**
	37.10	11	460	4.84	3.55	-1.17
	37.10	12	470	**	**	**
FA-S61UC 440MHz 148mm	37.02	1	400	2.57	1.9	-0.06
	37.07	4	420	**	**	**
	37.09	8	440	5.85	4.32	-0.85
	37.10	11	460	**	**	**
	37.10	12	470	6.14	4.51	-0.99

Cut Antenna	Power (dBm)	CH	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift
				BP-280	BP-280	
			(MHz)	2280mAh	2280mAh	
FA-S61UC 460MHz 142mm	37.02	1	400	**	**	**
	37.07	4	420	3.13	2.32	-0.48
	37.09	8	440	**	**	**
	37.10	11	460	5.11	3.74	-0.28
	37.10	12	470	**	**	**
FA-S61UC 480MHz 136mm	37.02	1	400	1.53	1.13	-0.37
	37.07	4	420	**	**	**
	37.09	8	440	3.83	2.82	-0.42
	37.10	11	460	**	**	**
	37.10	12	470	5.01	3.68	-0.23

FILE NAME: ICOM-514Q HEAD FA-SC57U 450MHZ BP-280.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.842 \text{ S/m}$; $\epsilon_r = 44.549$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x111x1):

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

Maximum value of SAR (interpolated) = 5.18 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

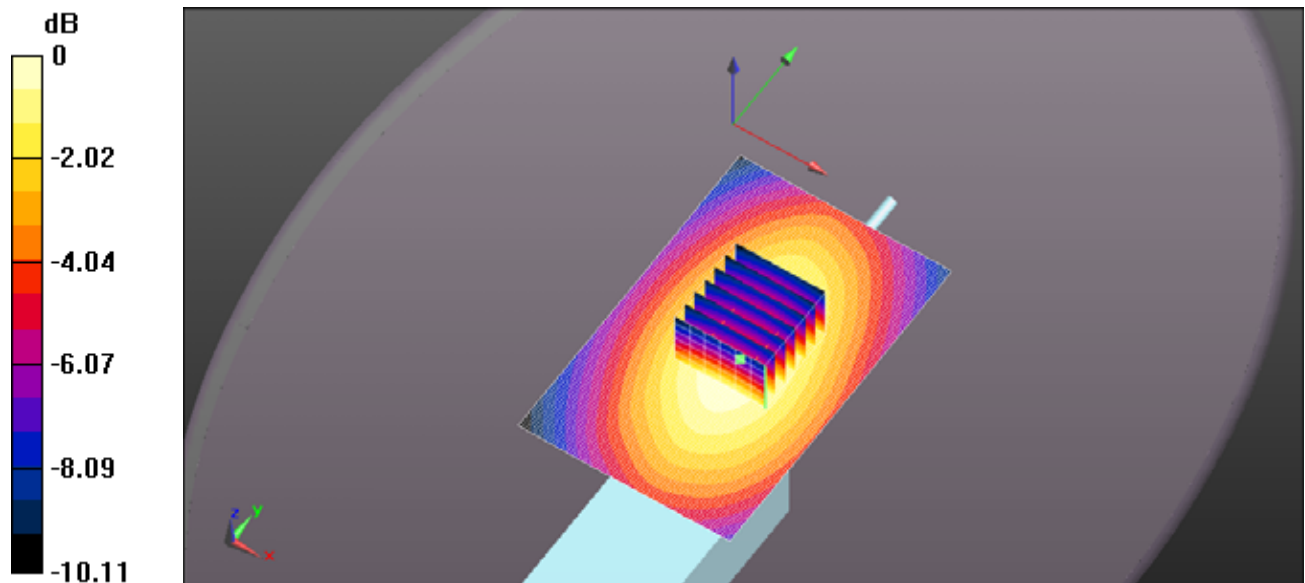
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 83.03 V/m ; Power Drift = -0.73 dB

Peak SAR (extrapolated) = 5.63 W/kg

SAR(1 g) = 4.02 W/kg ; SAR(10 g) = 2.95 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.94 W/kg



0 dB = 5.18 W/kg = 7.14 dBW/kg

FILE NAME: ICOM-514Q HEAD FA-SC25U 430MHZ BP-280.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 430 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 430$ MHz; $\sigma = 0.822$ S/m; $\epsilon_r = 44.636$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x121x1):

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

Maximum value of SAR (interpolated) = 8.10 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

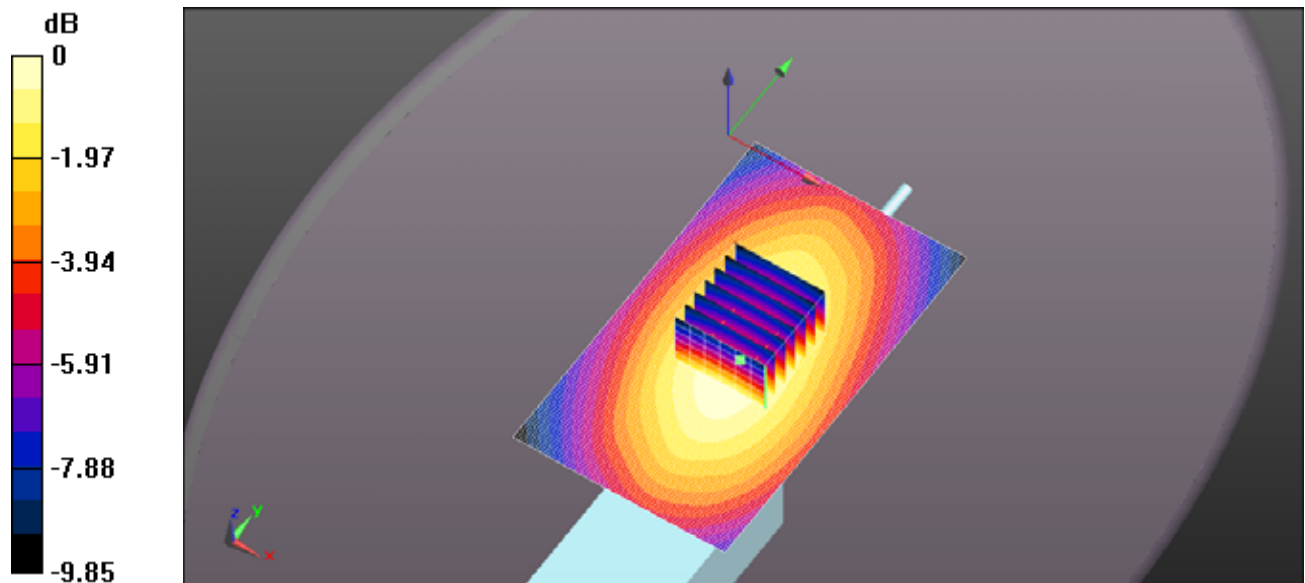
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 105.7 V/m; Power Drift = -0.75 dB

Peak SAR (extrapolated) = 8.76 W/kg

SAR(1 g) = 6.39 W/kg; SAR(10 g) = 4.73 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.72 W/kg



0 dB = 8.10 W/kg = 9.09 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC25U 400MHZ BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 45.099$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x121x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.05 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

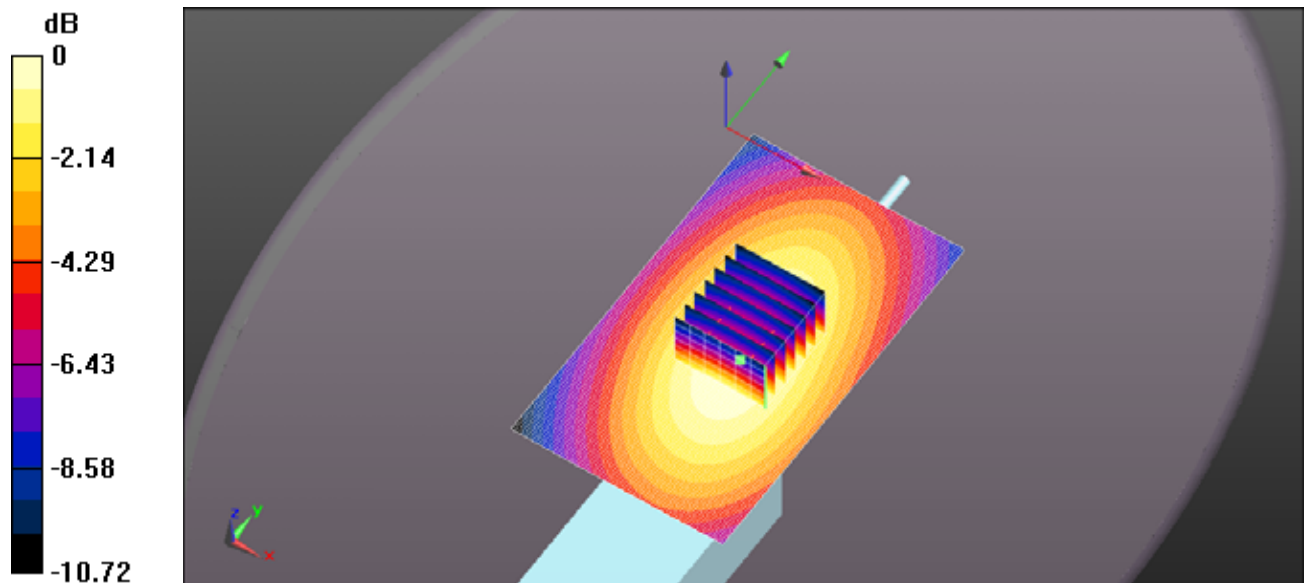
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 72.96 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 4.67 W/kg

SAR(1 g) = 3.59 W/kg; SAR(10 g) = 2.65 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.14 W/kg



0 dB = 4.05 W/kg = 6.07 dBW/kg

FILE NAME: ICOM-514Q HEAD FA-SC26US 400MHZ BP-280.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400 \text{ MHz}$; $\sigma = 0.78 \text{ S/m}$; $\epsilon_r = 45.099$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x81x1):

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

Maximum value of SAR (interpolated) = 1.22 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

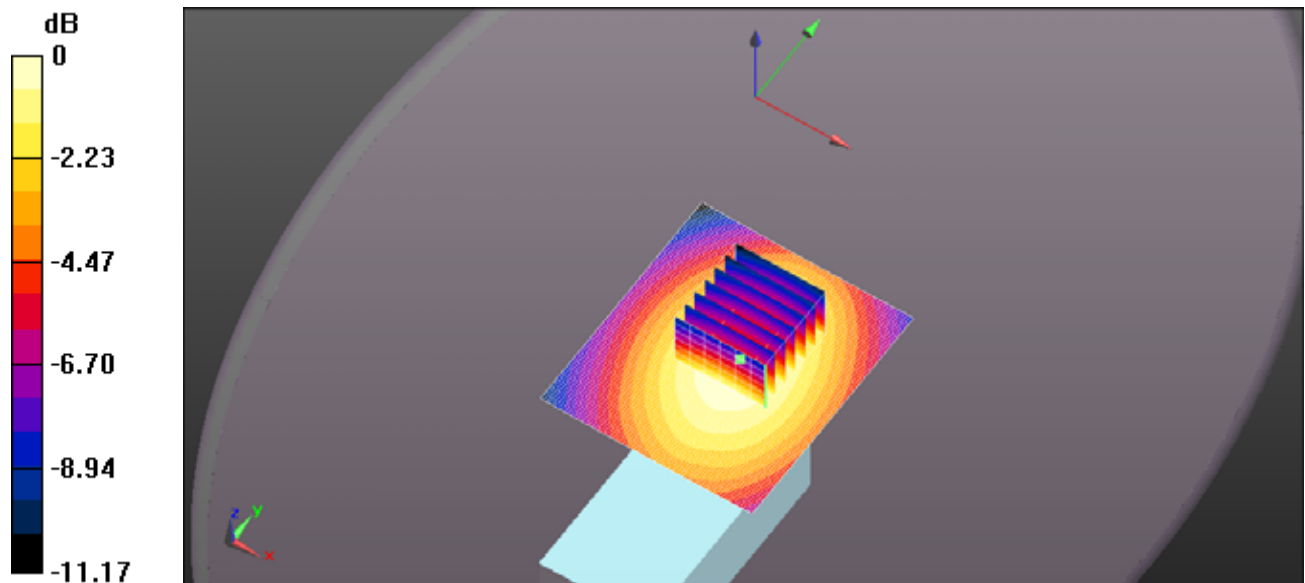
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 40.86 V/m ; Power Drift = -0.32 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 1.02 W/kg ; SAR(10 g) = 0.747 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC26US 425MHZ BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 425 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 425$ MHz; $\sigma = 0.815$ S/m; $\epsilon_r = 44.6$; $\rho = 1000$ kg/m³; Phantom section: Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x81x1):

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

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

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

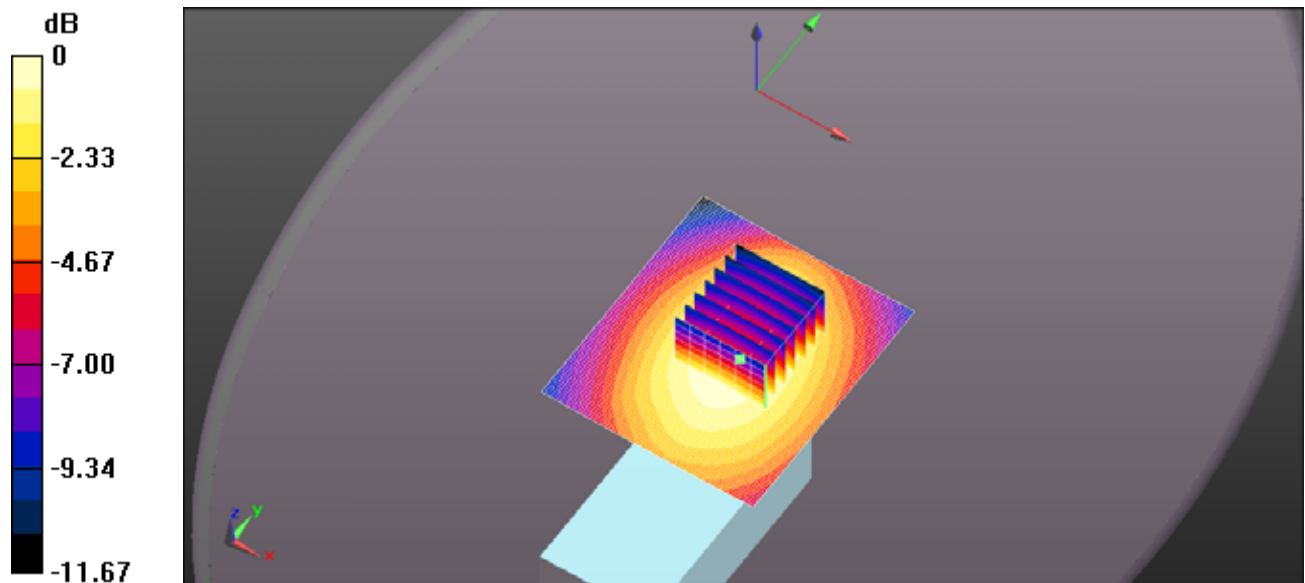
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 86.77 V/m; Power Drift = -0.45 dB

Peak SAR (extrapolated) = 6.25 W/kg

SAR(1 g) = 4.56 W/kg; SAR(10 g) = 3.35 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.50 W/kg



0 dB = 6.28 W/kg = 7.98 dBW/kg

FILE NAME: ICOM-514Q HEAD FA-SC26US 450MHZ BP-280.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.842$ S/m; $\epsilon_r = 44.549$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x81x1):

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

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

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

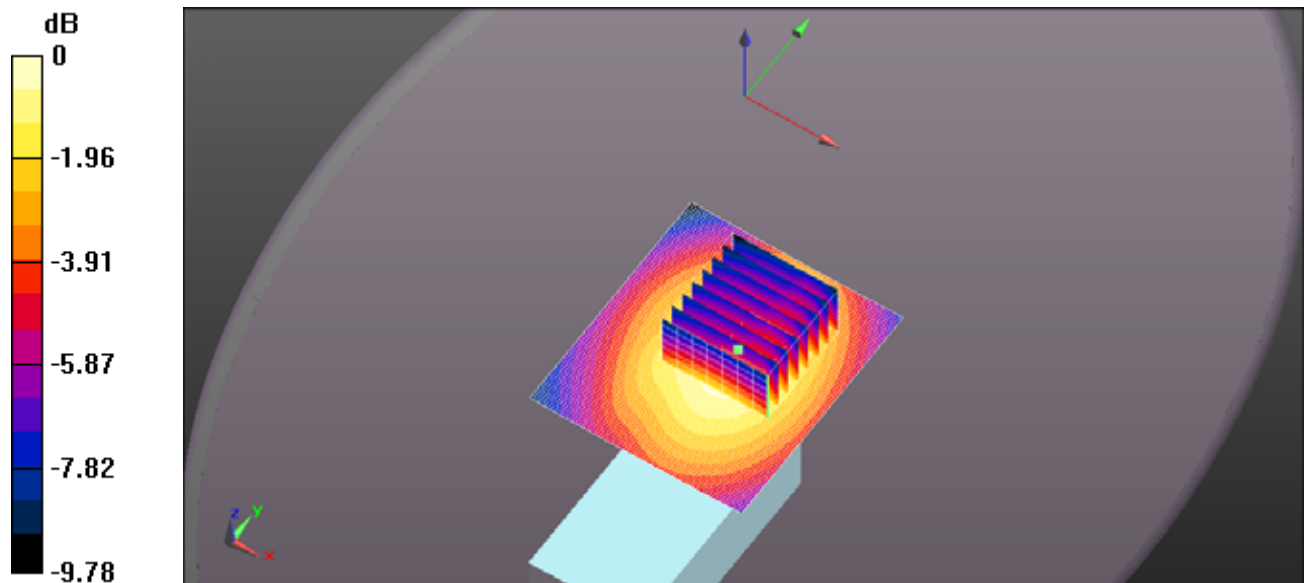
(8x8x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 68.77 V/m; Power Drift = -2.87 dB

Peak SAR (extrapolated) = 2.95 W/kg

SAR(1 g) = 1.98 W/kg; SAR(10 g) = 1.39 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.57 W/kg



0 dB = 2.86 W/kg = 4.57 dBW/kg

FILE NAME: ICOM-514Q HEAD FA-SC73US 450MHZ BP-280.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.842$ S/m; $\epsilon_r = 44.549$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x81x1):

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

Maximum value of SAR (interpolated) = 3.15 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

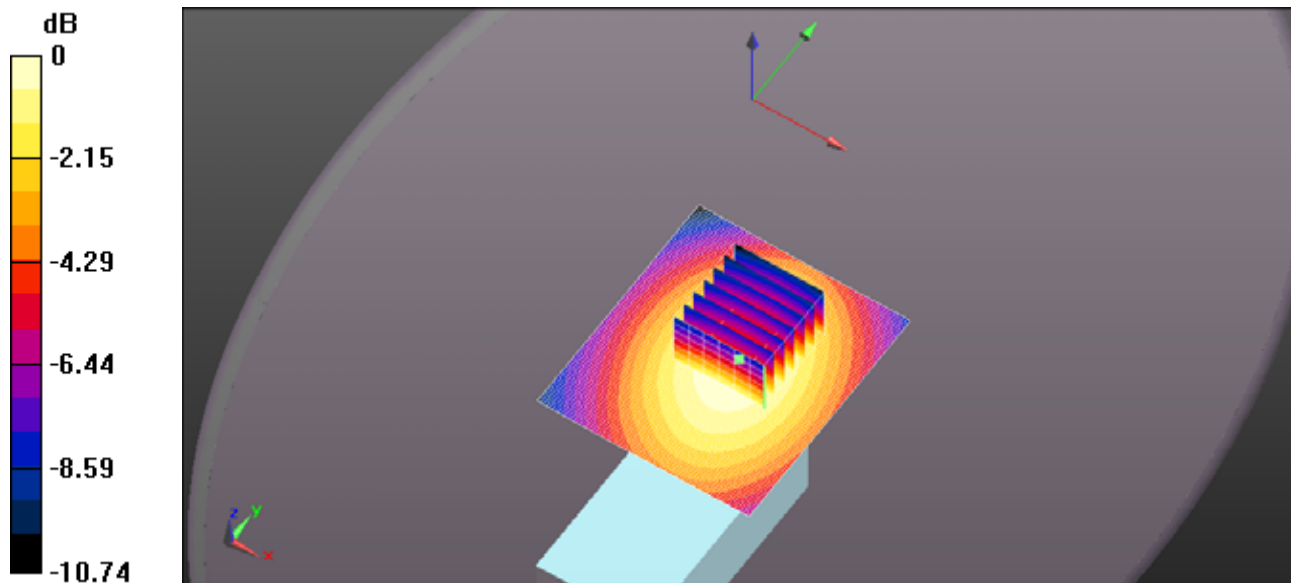
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 62.94 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.84 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.08 W/kg



0 dB = 3.15 W/kg = 4.98 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC73US 470MHZ BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.852 \text{ S/m}$; $\epsilon_r = 44.249$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x81x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 5.56 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

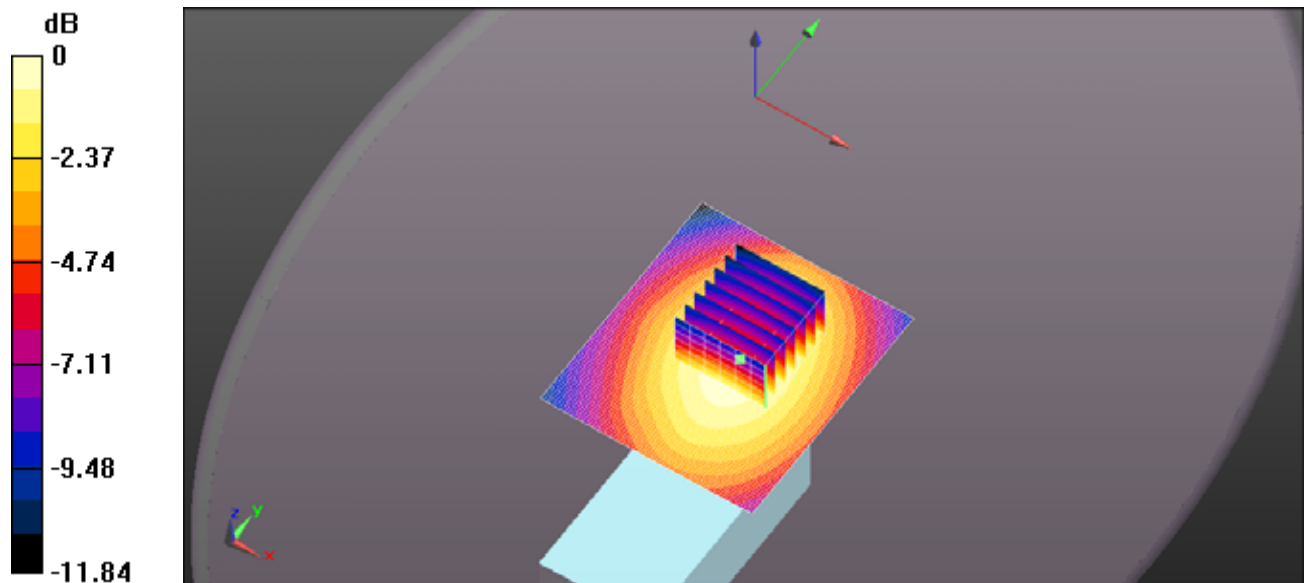
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 86.23 V/m ; Power Drift = -0.78 dB

Peak SAR (extrapolated) = 5.99 W/kg

SAR(1 g) = 4.16 W/kg ; SAR(10 g) = 3.03 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.23 W/kg



0 dB = 5.56 W/kg = 7.45 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC61UC 400MHZ 165MM BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400 \text{ MHz}$; $\sigma = 0.78 \text{ S/m}$; $\epsilon_r = 45.099$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x131x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 6.01 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

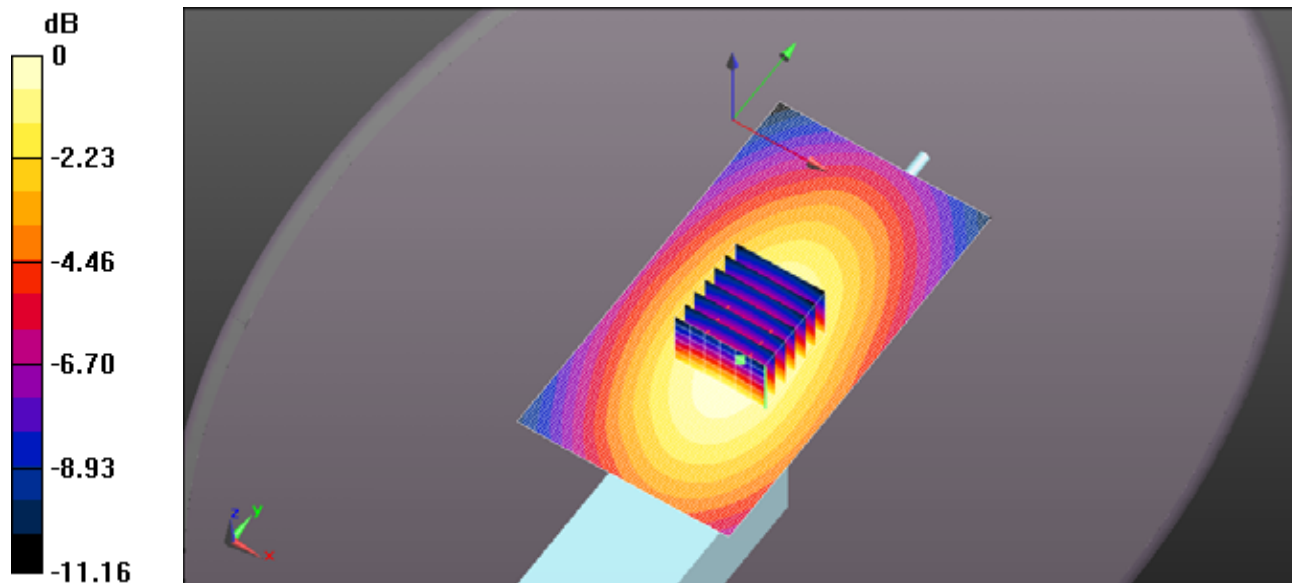
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 95.02 V/m ; Power Drift = -0.55 dB

Peak SAR (extrapolated) = 6.79 W/kg

SAR(1 g) = 5.2 W/kg ; SAR(10 g) = 3.85 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.00 W/kg



0 dB = 6.01 W/kg = 7.79 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC61UC 440MHZ 165MM BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.832 \text{ S/m}$; $\epsilon_r = 44.59$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x131x1):

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

Maximum value of SAR (interpolated) = 7.51 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

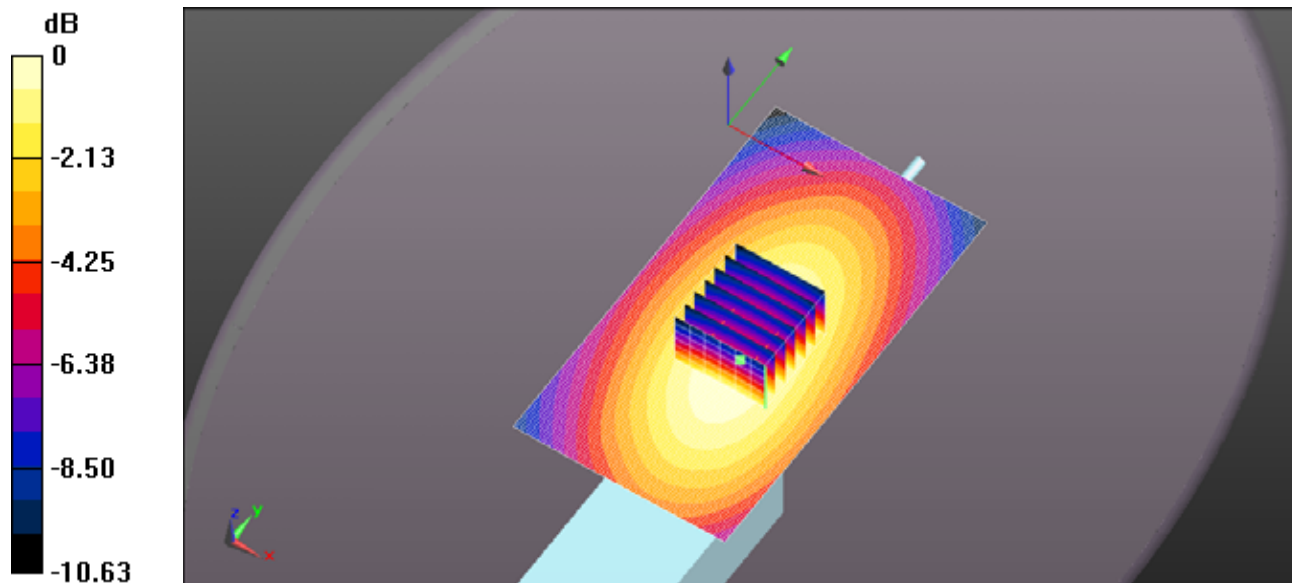
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 102.1 V/m ; Power Drift = -1.07 dB

Peak SAR (extrapolated) = 7.79 W/kg

SAR(1 g) = 5.62 W/kg ; SAR(10 g) = 4.15 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.85 W/kg



0 dB = 7.51 W/kg = 8.76 dBW/kg

FILE NAME: ICOM-514Q HEAD FA-SC61UC 470MHZ 165MM BP-280.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.852$ S/m; $\epsilon_r = 44.249$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (71x131x1):

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

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

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

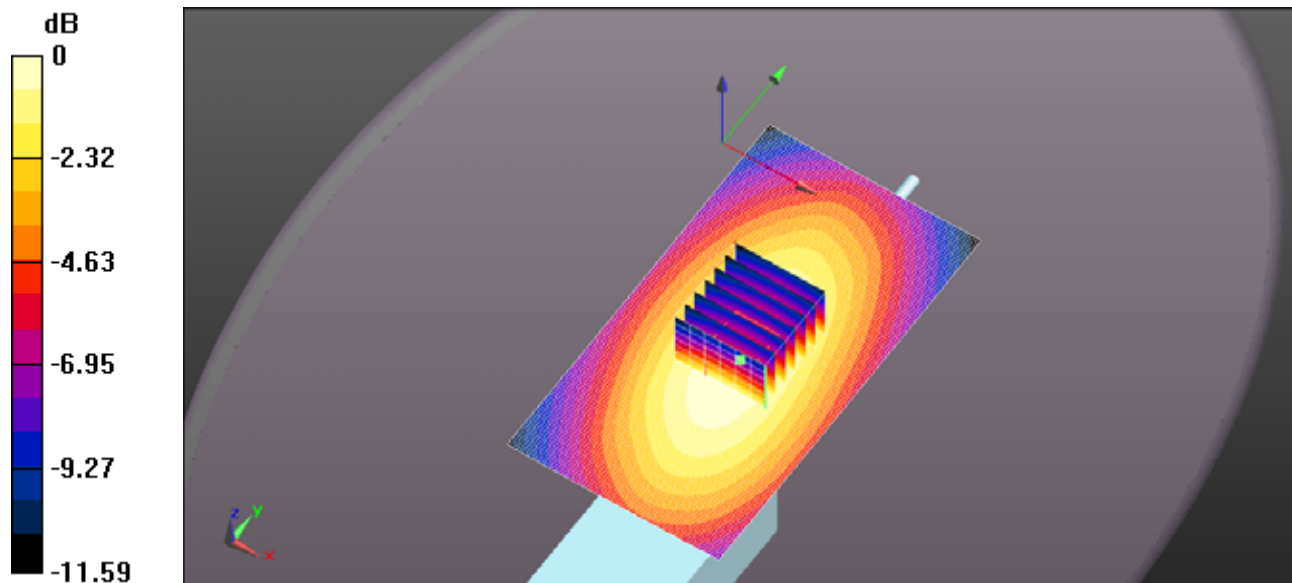
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 85.81 V/m; Power Drift = -1.33 dB

Peak SAR (extrapolated) = 5.62 W/kg

SAR(1 g) = 3.93 W/kg; SAR(10 g) = 2.87 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.89 W/kg



0 dB = 5.62 W/kg = 7.49 dBW/kg

FILE NAME: ICOM-514Q HEAD FA-SC61UC 420MHZ 156MM BP-280.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420 \text{ MHz}$; $\sigma = 0.808 \text{ S/m}$; $\epsilon_r = 44.68$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (81x131x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 6.19 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

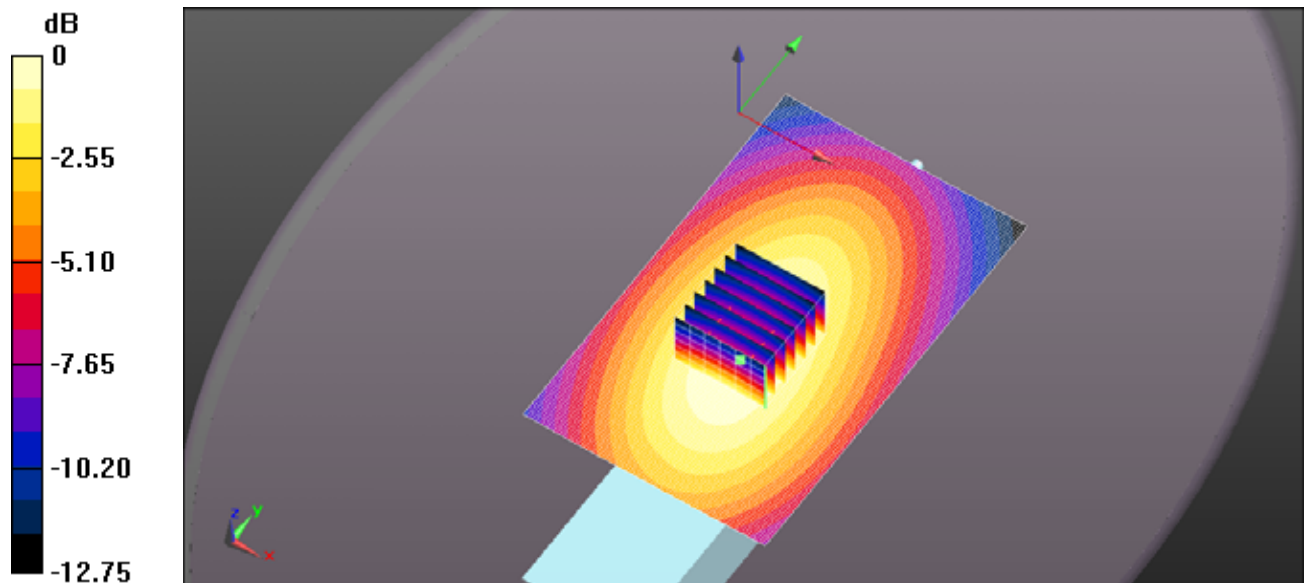
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 89.73 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 6.98 W/kg

SAR(1 g) = 5.15 W/kg ; SAR(10 g) = 3.8 W/kg (SAR corrected for target medium)

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



0 dB = 6.19 W/kg = 7.92 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC61UC 460MHZ 156MM BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460 \text{ MHz}$; $\sigma = 0.848 \text{ S/m}$; $\epsilon_r = 44.435$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (81x131x1):

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

Maximum value of SAR (interpolated) = 6.75 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

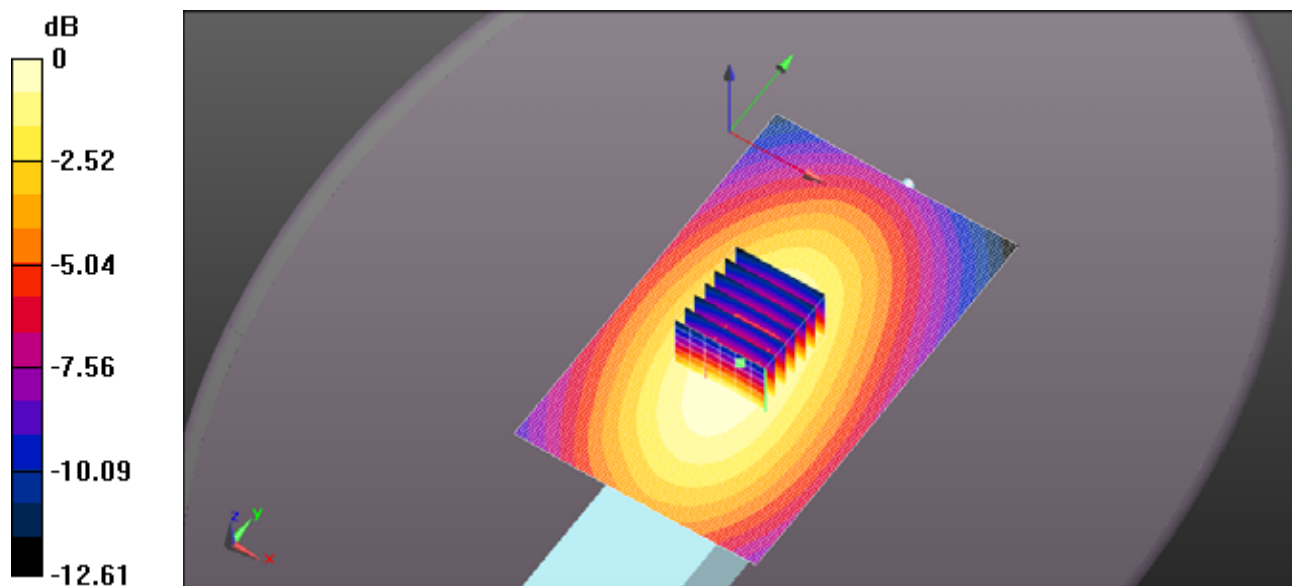
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 95.01 V/m ; Power Drift = -1.17 dB

Peak SAR (extrapolated) = 6.85 W/kg

SAR(1 g) = 4.84 W/kg ; SAR(10 g) = 3.55 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.98 W/kg



0 dB = 6.75 W/kg = 8.29 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC61UC 400MHZ 148MM BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 45.099$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (81x131x1):

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

Maximum value of SAR (interpolated) = 2.92 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

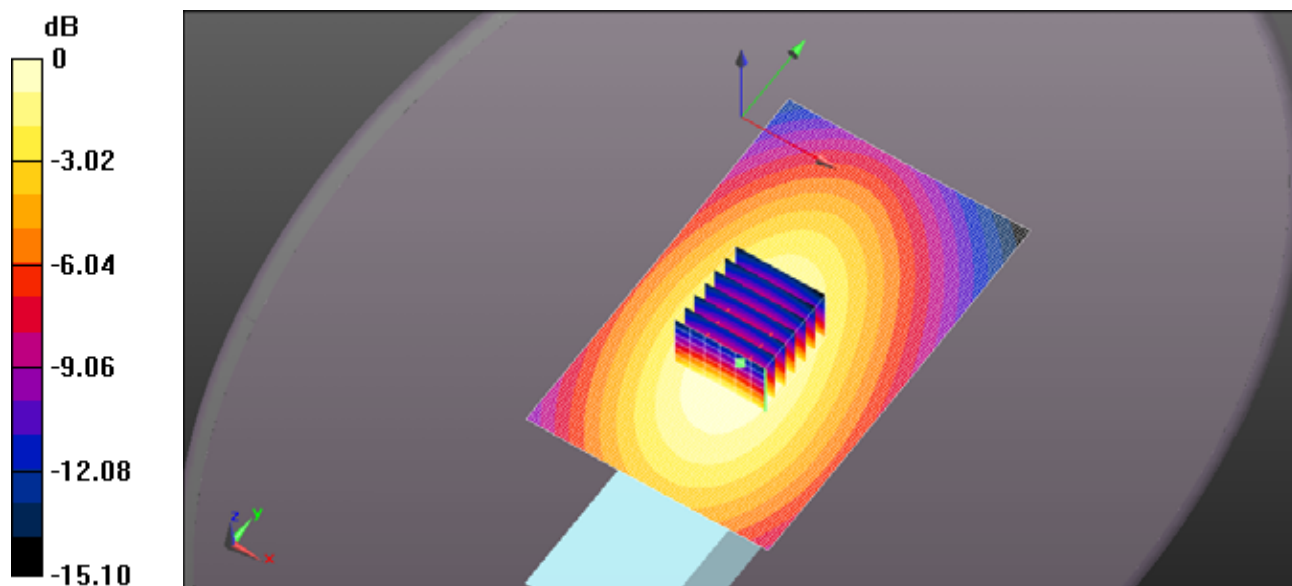
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 63.53 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.36 W/kg

SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.9 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 2.98 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC61UC 440MHZ 148MM BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.832 \text{ S/m}$; $\epsilon_r = 44.59$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (81x131x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 7.38 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

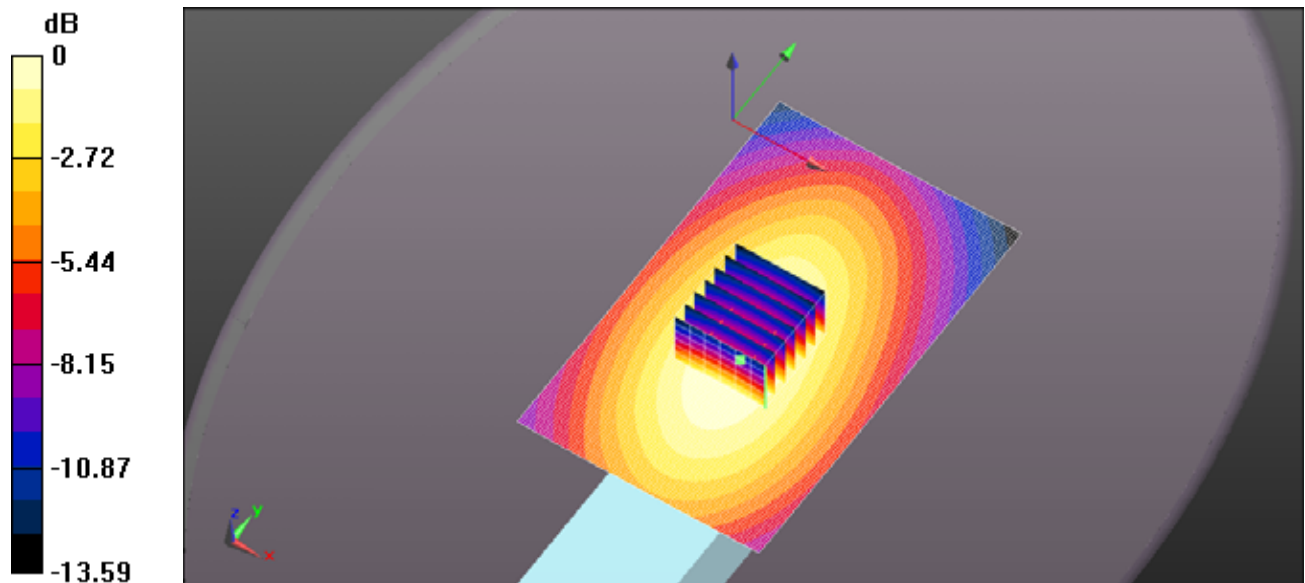
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 103.0 V/m ; Power Drift = -0.85 dB

Peak SAR (extrapolated) = 8.14 W/kg

SAR(1 g) = 5.85 W/kg ; SAR(10 g) = 4.32 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.18 W/kg



0 dB = 7.38 W/kg = 8.68 dBW/kg

FILE NAME: ICOM-514Q HEAD FA-SC61UC 470MHZ 148MM BP-280.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.852$ S/m; $\epsilon_r = 44.249$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (81x131x1):

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

Maximum value of SAR (interpolated) = 7.93 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

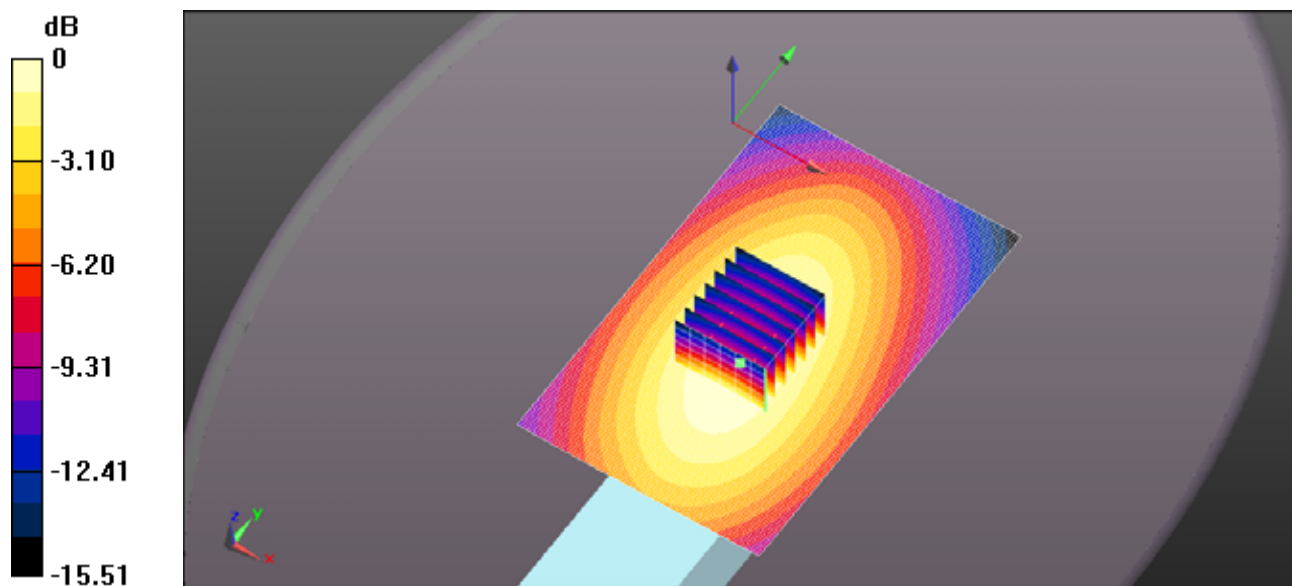
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 105.6 V/m; Power Drift = -0.99 dB

Peak SAR (extrapolated) = 8.70 W/kg

SAR(1 g) = 6.14 W/kg; SAR(10 g) = 4.51 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.65 W/kg



0 dB = 7.93 W/kg = 8.99 dBW/kg

FILE NAME: ICOM-514Q HEAD FA-SC61UC 420MHZ 142MM BP-280.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420 \text{ MHz}$; $\sigma = 0.808 \text{ S/m}$; $\epsilon_r = 44.68$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (81x131x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 3.74 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

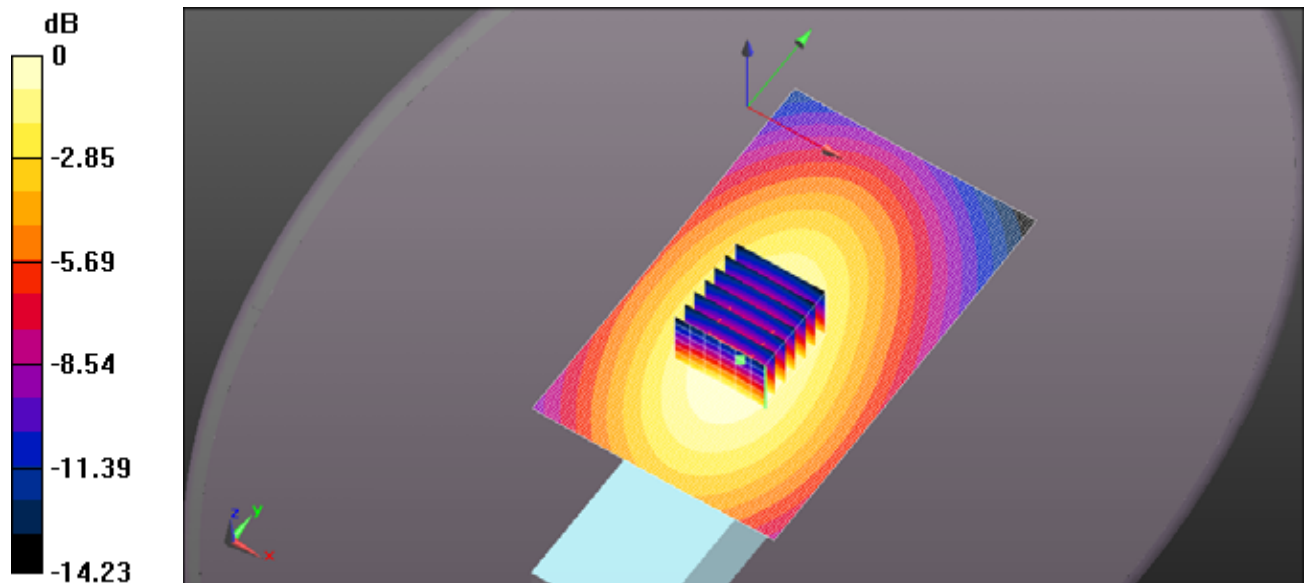
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 72.83 V/m ; Power Drift = -0.48 dB

Peak SAR (extrapolated) = 4.20 W/kg

SAR(1 g) = 3.13 W/kg ; SAR(10 g) = 2.32 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.71 W/kg



0 dB = 3.74 W/kg = 5.73 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC61UC 460MHZ 142MM BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.848$ S/m; $\epsilon_r = 44.435$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (81x131x1):

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

Maximum value of SAR (interpolated) = 6.33 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

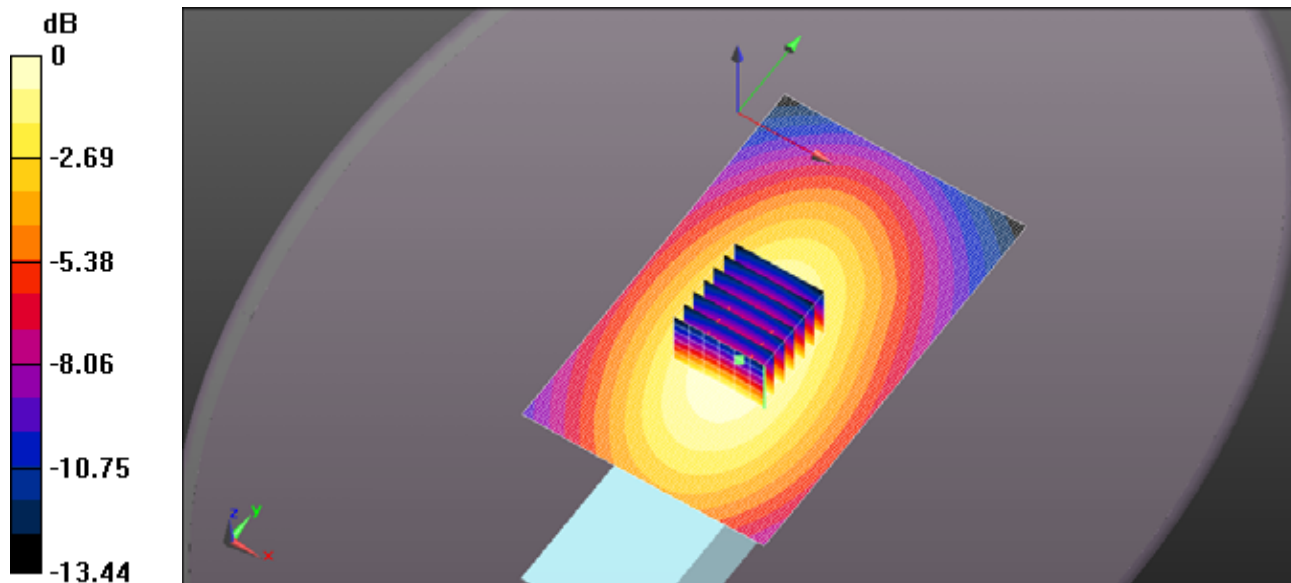
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 87.88 V/m; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 7.25 W/kg

SAR(1 g) = 5.11 W/kg; SAR(10 g) = 3.74 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.38 W/kg



0 dB = 6.33 W/kg = 8.02 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC61UC 400MHZ 136MM BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400 \text{ MHz}$; $\sigma = 0.78 \text{ S/m}$; $\epsilon_r = 45.099$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (81x131x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 1.75 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

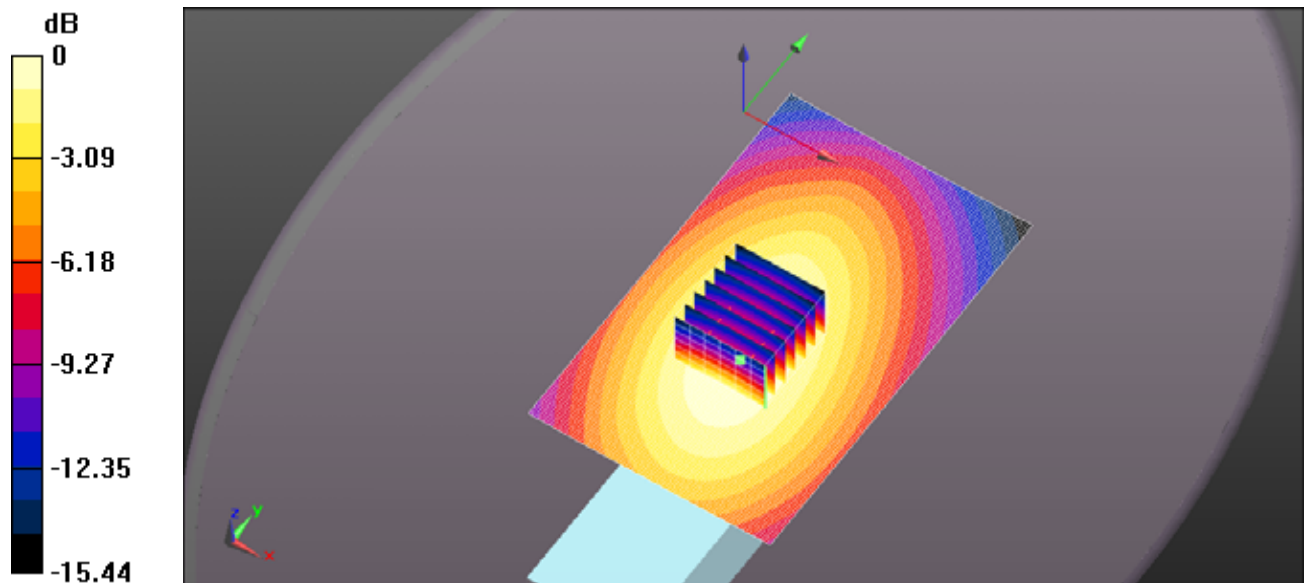
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 50.67 V/m ; Power Drift = -0.37 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 1.53 W/kg ; SAR(10 g) = 1.13 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.76 W/kg



0 dB = 1.75 W/kg = 2.43 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC61UC 440MHZ 136MM BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.832 \text{ S/m}$; $\epsilon_r = 44.59$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (81x131x1):

Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 4.85 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

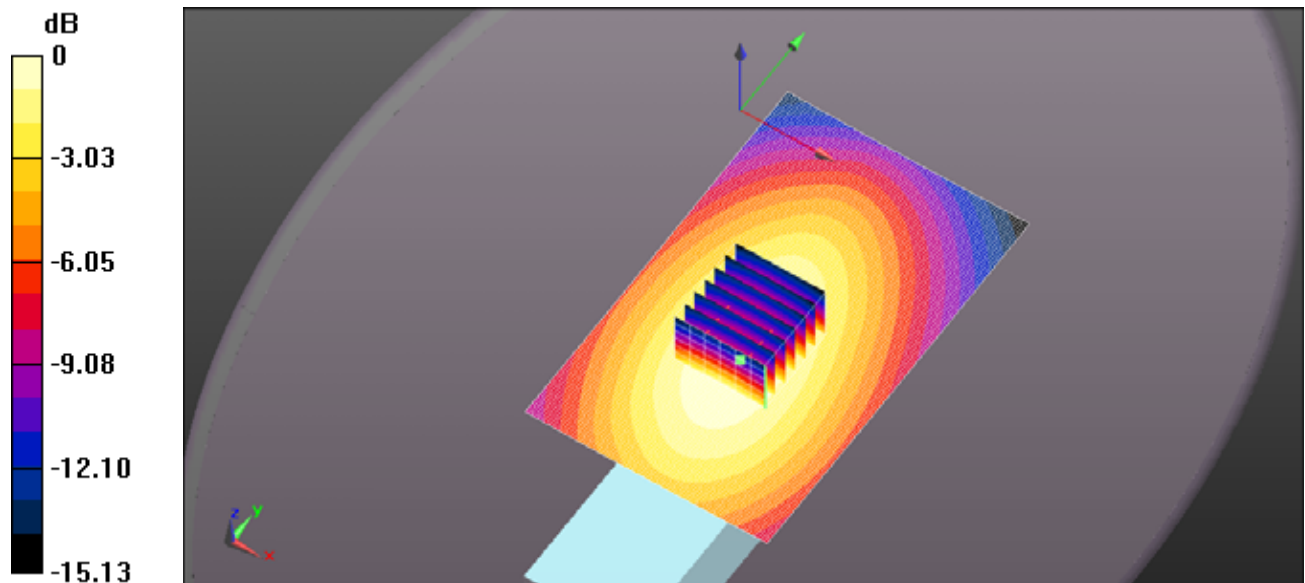
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 81.17 V/m ; Power Drift = -0.42 dB

Peak SAR (extrapolated) = 5.30 W/kg

SAR(1 g) = 3.83 W/kg ; SAR(10 g) = 2.82 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.69 W/kg



0 dB = 4.85 W/kg = 6.86 dBW/kg

FILE NAME: [ICOM-514Q HEAD FA-SC61UC 470MHZ 136MM BP-280.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.852 \text{ S/m}$; $\epsilon_r = 44.249$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.14, 10.14, 10.14); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Area Scan (81x131x1):

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

Maximum value of SAR (interpolated) = 5.67 W/kg

Configuration_Head, IC-F2100DS/Head Front, P=5W, d=25mm/Zoom Scan (5x5x7)

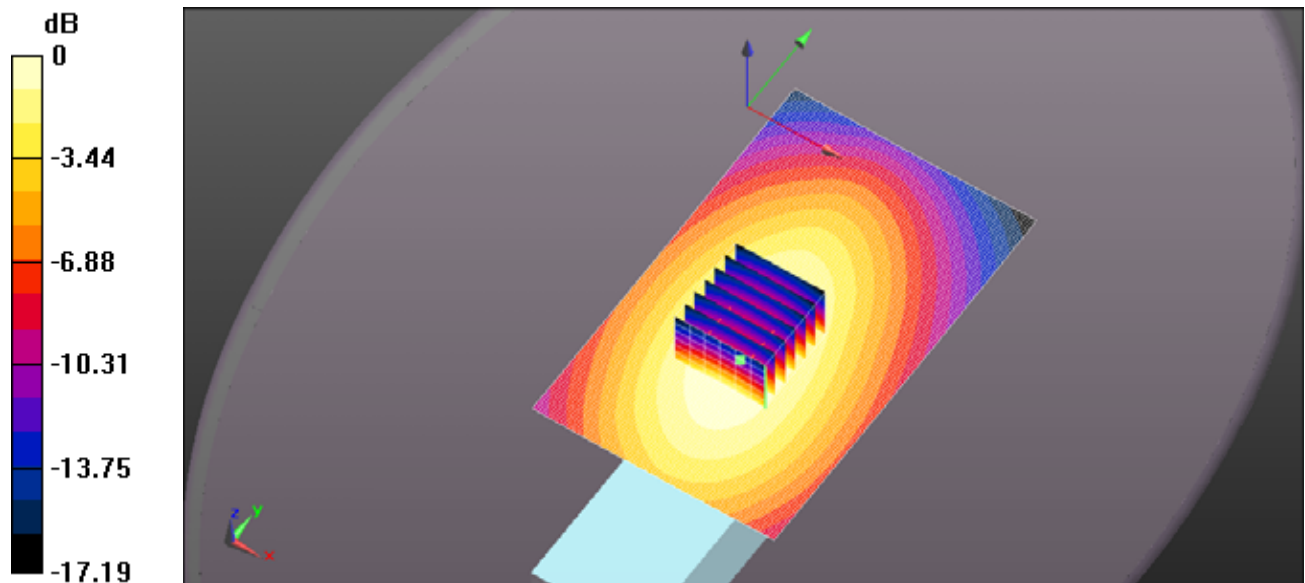
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 88.80 V/m ; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 7.14 W/kg

SAR(1 g) = 5.01 W/kg ; SAR(10 g) = 3.68 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.26 W/kg



0 dB = 5.67 W/kg = 7.54 dBW/kg

EXHIBIT 3. BODY SAR MEASUREMENTS

Antenna	Power (dBm)	CH	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift
				BP-278	BP-278	
			(MHz)	1190mAh	1190mAh	
FA-SC25U 400-430 MHz	37.02	1	400	4.51	3.29	-0.56
	37.04	3	415	**	**	**
	37.09	6	430	7.03	5.14	-0.96
FA-S57U 440-470 MHz	37.09	6	430	**	**	**
	37.12	9	450	5.65	4.07	-0.51
	37.10	12	470	**	**	**
FA-S26US 400-450 MHz	37.02	1	400	1.65	1.18	-0.36
	37.03	2	412.5	**	**	**
	37.08	5	425	5.81	4.2	-0.33
	37.11	7	437.5	**	**	**
	37.12	9	450	2.24	1.61	-2.26
FA-S73US 450-470 MHz	37.12	9	450	4.32	3.1	-0.5
	37.10	11	460	**	**	**
	37.10	12	470	5	3.6	-1.8

Cut Antenna	Power (dBm)	CH	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift
				BP-278	BP-278	
			(MHz)	1190mAh	1190mAh	
FA-S61UC 400MHz 165mm	37.02	1	400	6.6	4.83	-0.36
	37.07	4	420	**	**	**
	37.09	8	440	4.79	3.5	-1.39
	37.10	11	460	**	**	**
	37.10	12	470	3.45	2.51	-1.29
FA-S61UC 420MHz 156mm	37.02	1	400	**	**	**
	37.07	4	420	6.73	4.94	-0.88
	37.09	8	440	**	**	**
	37.10	11	460	4.9	3.56	-1.69
	37.10	12	470	**	**	**
FA-S61UC 440MHz 148mm	37.02	1	400	3.16	2.3	-0.04
	37.07	4	420	**	**	**
	37.09	8	440	6.87	5	-0.53
	37.10	11	460	**	**	**
	37.10	12	470	5.45	3.95	-1.24

Cut Antenna	Power (dBm)	CH	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift
				BP-278	BP-278	
			(MHz)	1190mAh	1190mAh	
FA-S61UC 460MHz 142mm	37.02	1	400	**	**	**
	37.07	4	420	4.16	3.05	-0.43
	37.09	8	440	**	**	**
	37.10	11	460	6.9	5.01	-1.13
	37.10	12	470	**	**	**
FA-S61UC 480MHz 136mm	37.02	1	400	1.98	1.44	0.04
	37.07	4	420	**	**	**
	37.09	8	440	4.6	3.33	-0.06
	37.10	11	460	**	**	**
	37.10	12	470	7.12	5.14	-0.56

FILE NAME: [ICOM-514Q BODY FA-SC57U 450MHZ BP-278 HM-171GP.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

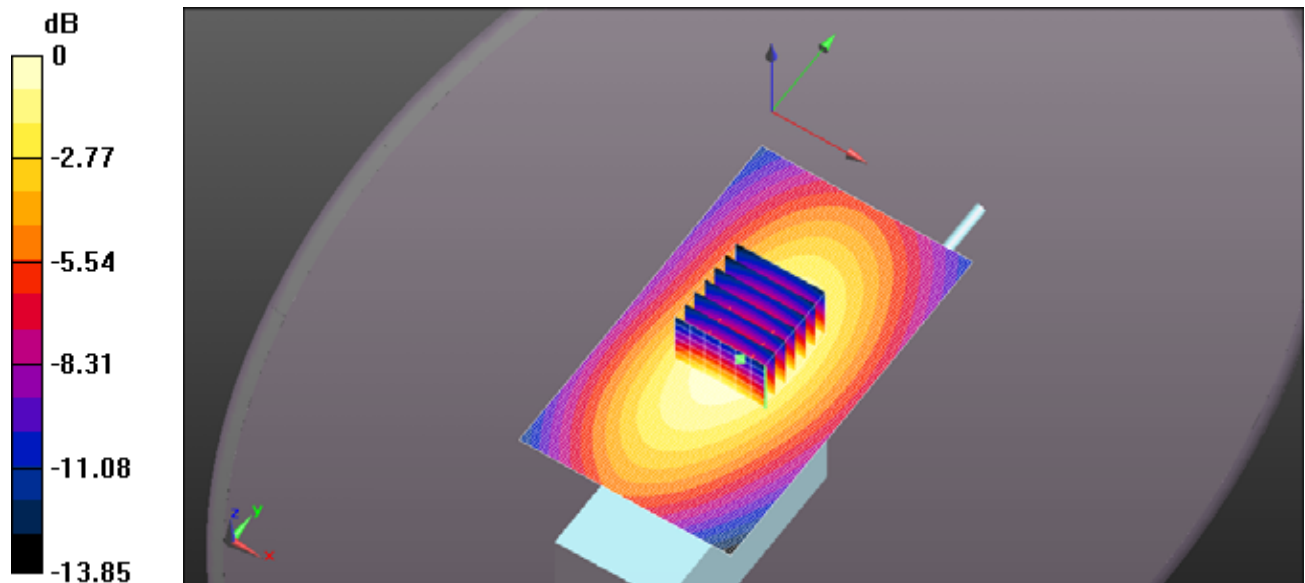
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.906 \text{ S/m}$; $\epsilon_r = 54.793$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (71x121x1): Interpolated
grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 7.40 W/kg

Configuration_Body, IC-F2100DS/Body Back, 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 = 91.66 V/m ; Power Drift = -0.51 dB
Peak SAR (extrapolated) = 8.43 W/kg
SAR(1 g) = 5.65 W/kg ; SAR(10 g) = 4.07 W/kg
Maximum value of SAR (measured) = 7.35 W/kg



0 dB = 7.40 W/kg = 8.69 dBW/kg

FILE NAME: [ICOM-514Q BODY FA-SC25U 400MHZ BP-278 HM-171GP.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

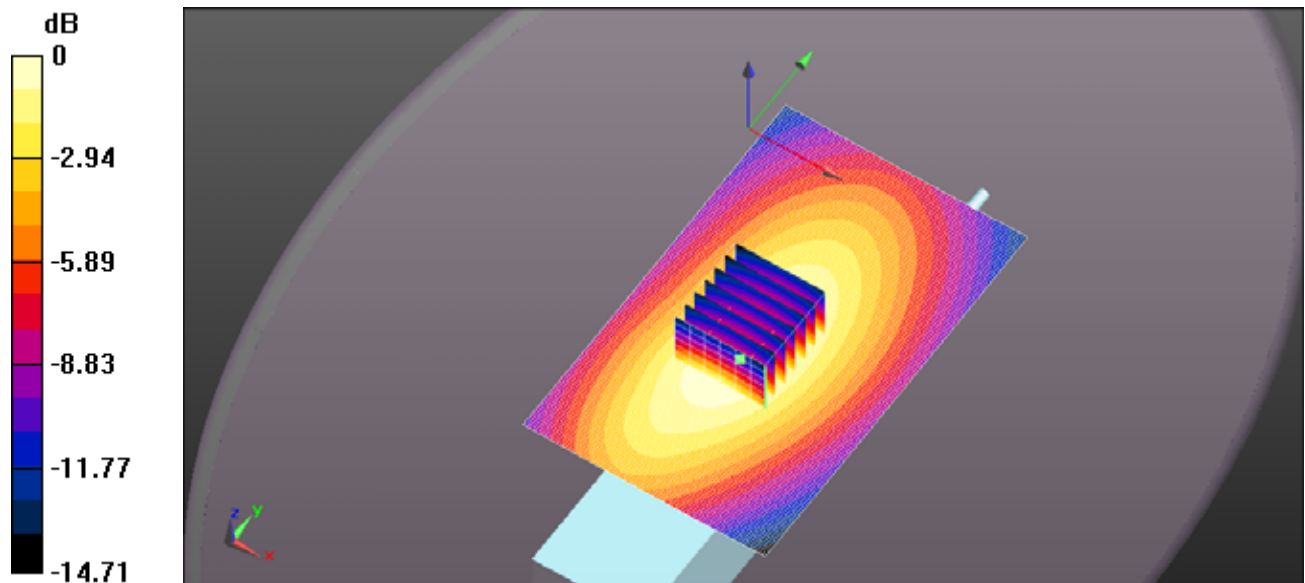
Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 54.207$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x131x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.88 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.74 V/m; Power Drift = -0.56 dB
Peak SAR (extrapolated) = 6.68 W/kg
SAR(1 g) = 4.51 W/kg; SAR(10 g) = 3.29 W/kg
Maximum value of SAR (measured) = 5.82 W/kg



0 dB = 5.88 W/kg = 7.69 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC25U 430MHZ BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

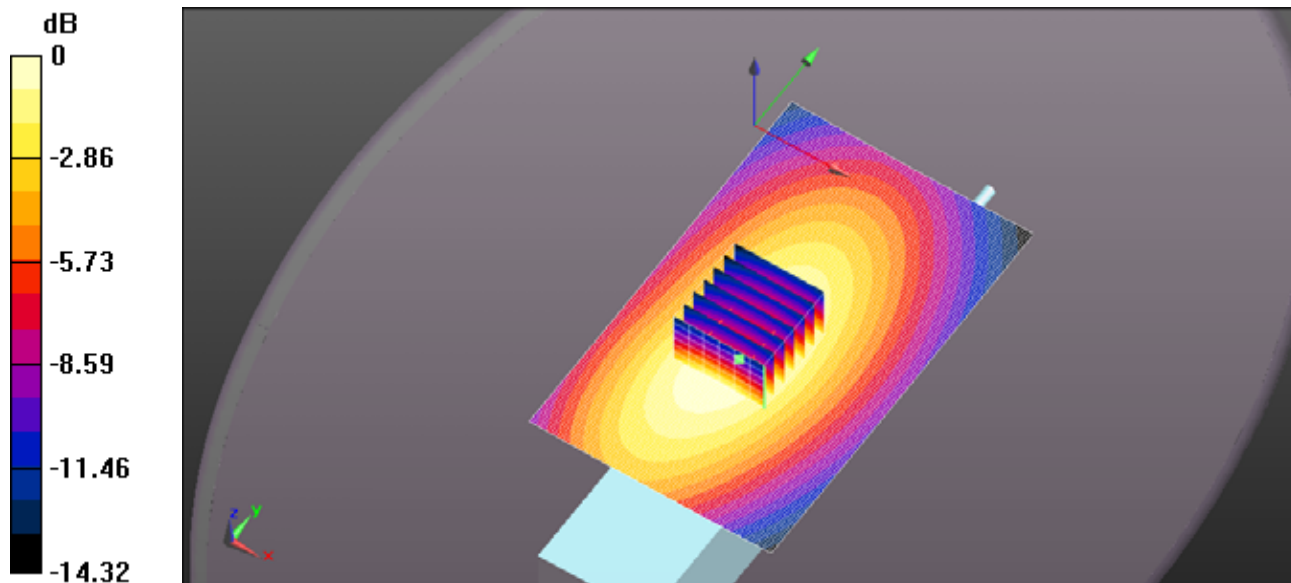
Communication System: UID 0, CW (0); Frequency: 430 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 430$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 54.051$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x131x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.3 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.7 V/m; Power Drift = -0.96 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 7.03 W/kg; SAR(10 g) = 5.14 W/kg
Maximum value of SAR (measured) = 8.98 W/kg



0 dB = 10.3 W/kg = 10.12 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC26US 400MHZ BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

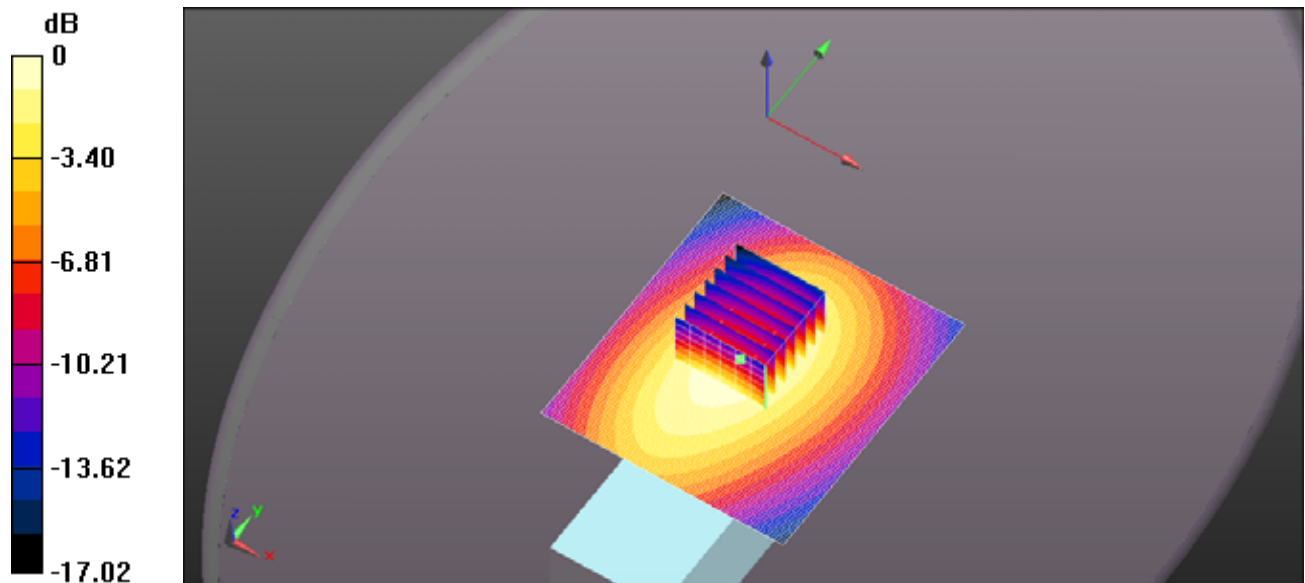
Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400 \text{ MHz}$; $\sigma = 0.869 \text{ S/m}$; $\epsilon_r = 54.207$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x91x1): Interpolated
grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 2.15 W/kg

Configuration_Body, IC-F2100DS/Body Back, 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 = 49.47 V/m ; Power Drift = -0.36 dB
Peak SAR (extrapolated) = 2.45 W/kg
SAR(1 g) = 1.65 W/kg ; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 2.14 W/kg



0 dB = 2.15 W/kg = 3.32 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC26US 425MHZ BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

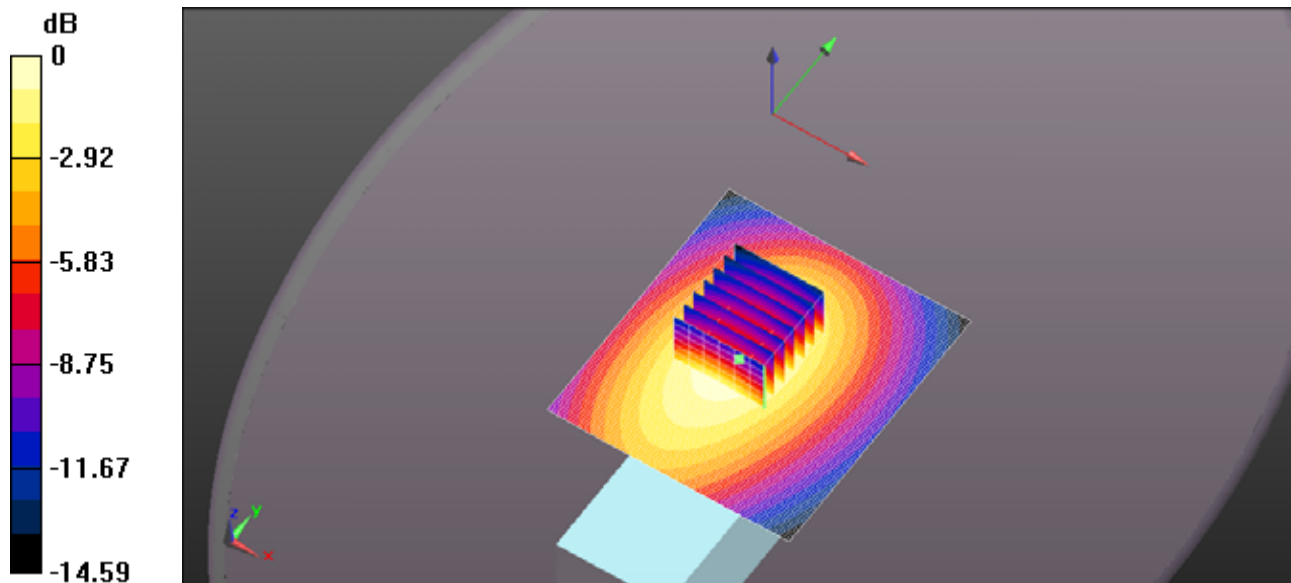
Communication System: UID 0, CW (0); Frequency: 425 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 425$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 53.897$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x91x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.77 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 87.93 V/m; Power Drift = -0.33 dB
Peak SAR (extrapolated) = 8.64 W/kg
SAR(1 g) = 5.81 W/kg; SAR(10 g) = 4.2 W/kg
Maximum value of SAR (measured) = 7.54 W/kg



0 dB = 7.77 W/kg = 8.91 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC26US 450MHZ BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

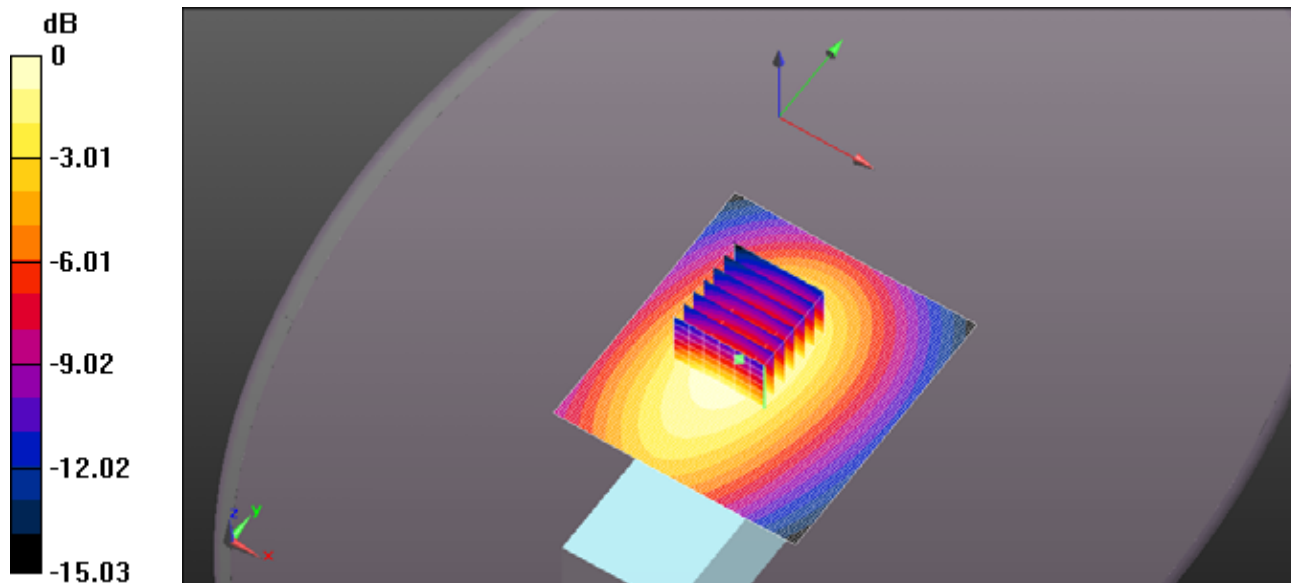
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.906$ S/m; $\epsilon_r = 54.793$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x91x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.25 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 64.77 V/m; Power Drift = -2.26 dB
Peak SAR (extrapolated) = 3.34 W/kg
SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.61 W/kg
Maximum value of SAR (measured) = 2.88 W/kg



0 dB = 3.25 W/kg = 5.12 dBW/kg

FILE NAME: [ICOM-514Q BODY FA-SC73US 450MHZ BP-278 HM-171GP.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

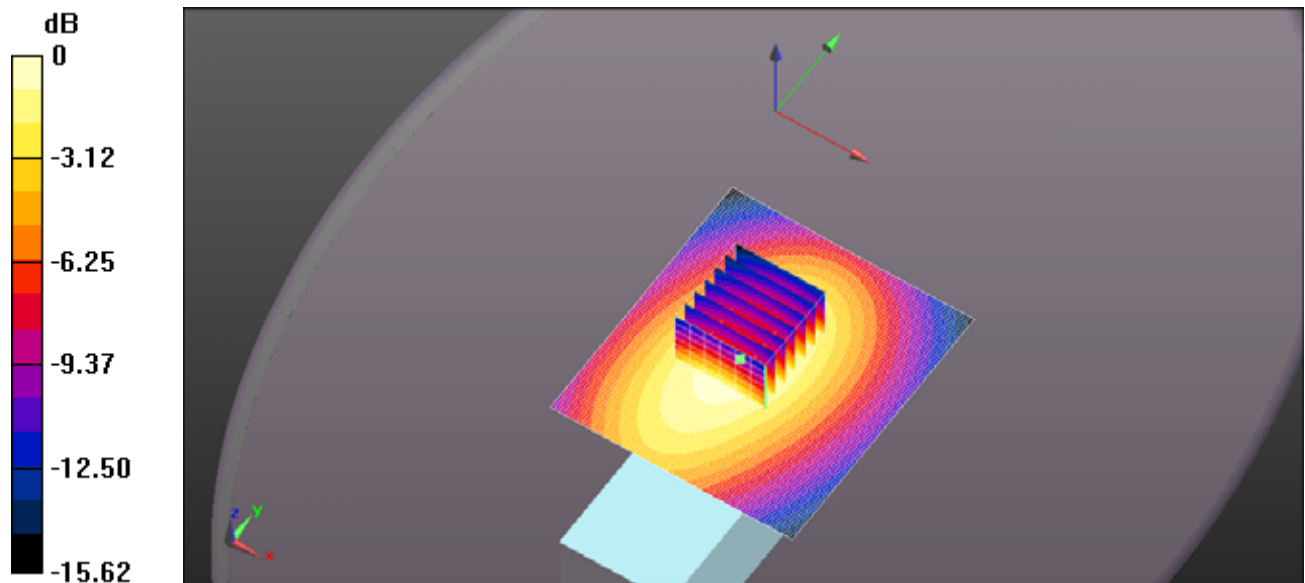
Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.906 \text{ S/m}$; $\epsilon_r = 54.793$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x91x1): Interpolated
grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 5.61 W/kg

Configuration_Body, IC-F2100DS/Body Back, 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 = 77.76 V/m ; Power Drift = -0.50 dB
Peak SAR (extrapolated) = 6.42 W/kg
SAR(1 g) = 4.32 W/kg ; SAR(10 g) = 3.1 W/kg
Maximum value of SAR (measured) = 5.59 W/kg



0 dB = 5.61 W/kg = 7.49 dBW/kg

FILE NAME: [ICOM-514Q BODY FA-SC73US 470MHZ BP-278 HM-171GP.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

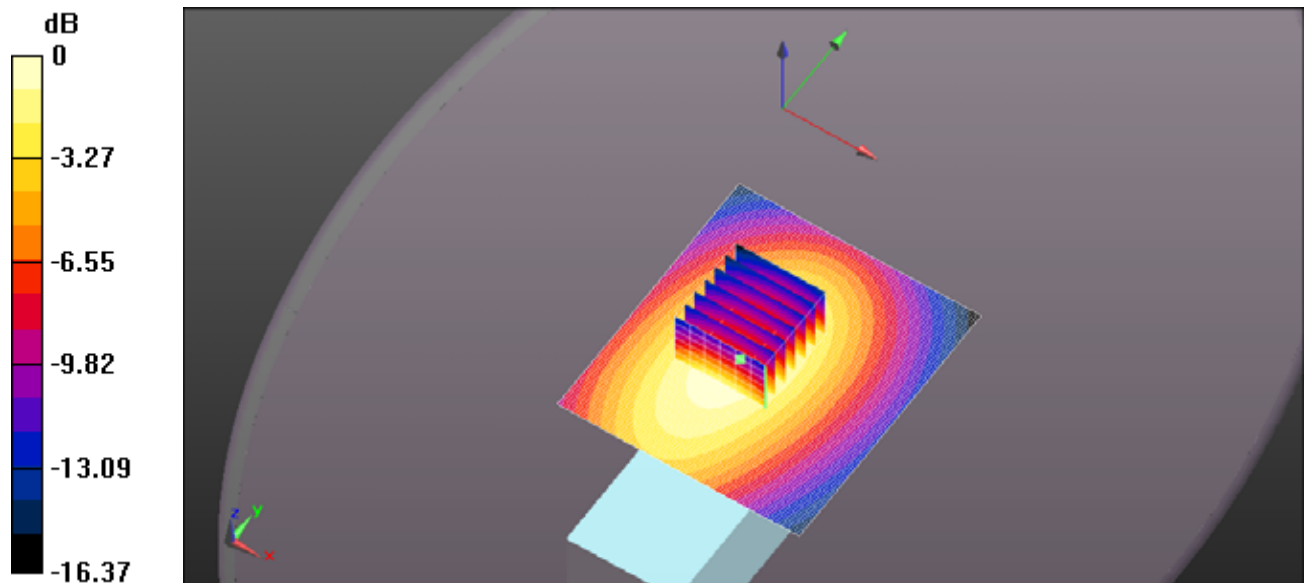
Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.922 \text{ S/m}$; $\epsilon_r = 55.147$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x91x1): Interpolated
grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 7.43 W/kg

Configuration_Body, IC-F2100DS/Body Back, 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 = 90.69 V/m ; Power Drift = -1.80 dB
Peak SAR (extrapolated) = 7.44 W/kg
SAR(1 g) = 5 W/kg ; SAR(10 g) = 3.6 W/kg
Maximum value of SAR (measured) = 6.48 W/kg



0 dB = 7.43 W/kg = 8.71 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 400MHZ 165MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

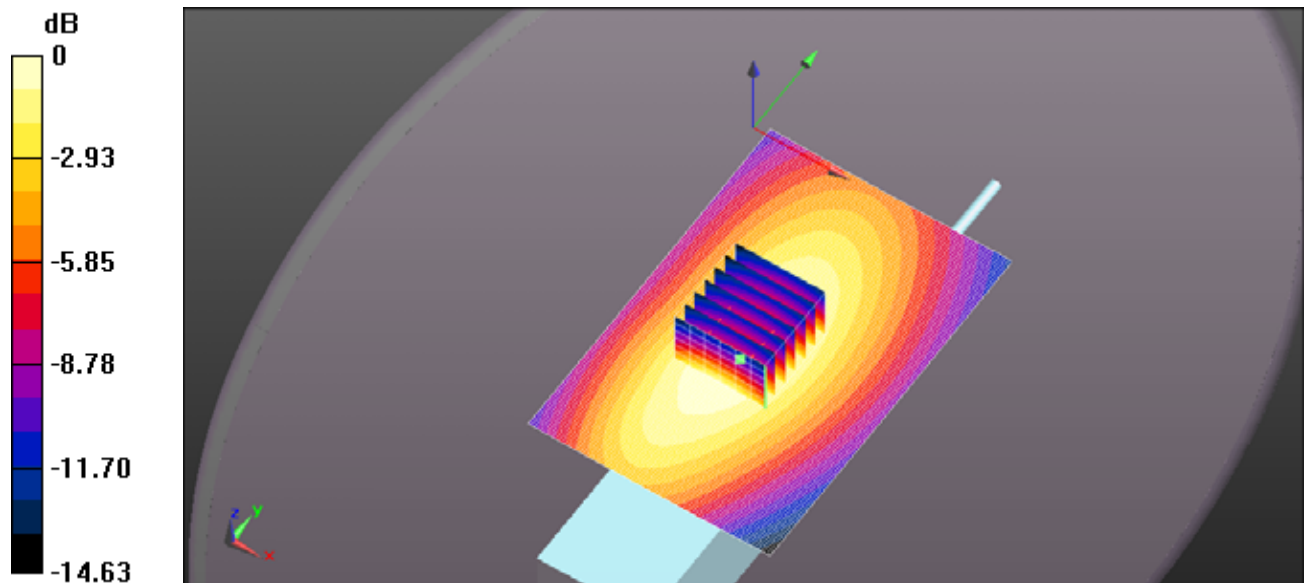
Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 54.207$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.73 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 96.44 V/m; Power Drift = -0.36 dB
Peak SAR (extrapolated) = 9.74 W/kg
SAR(1 g) = 6.6 W/kg; SAR(10 g) = 4.83 W/kg
Maximum value of SAR (measured) = 8.48 W/kg



0 dB = 8.73 W/kg = 9.41 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 440MHZ 165MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

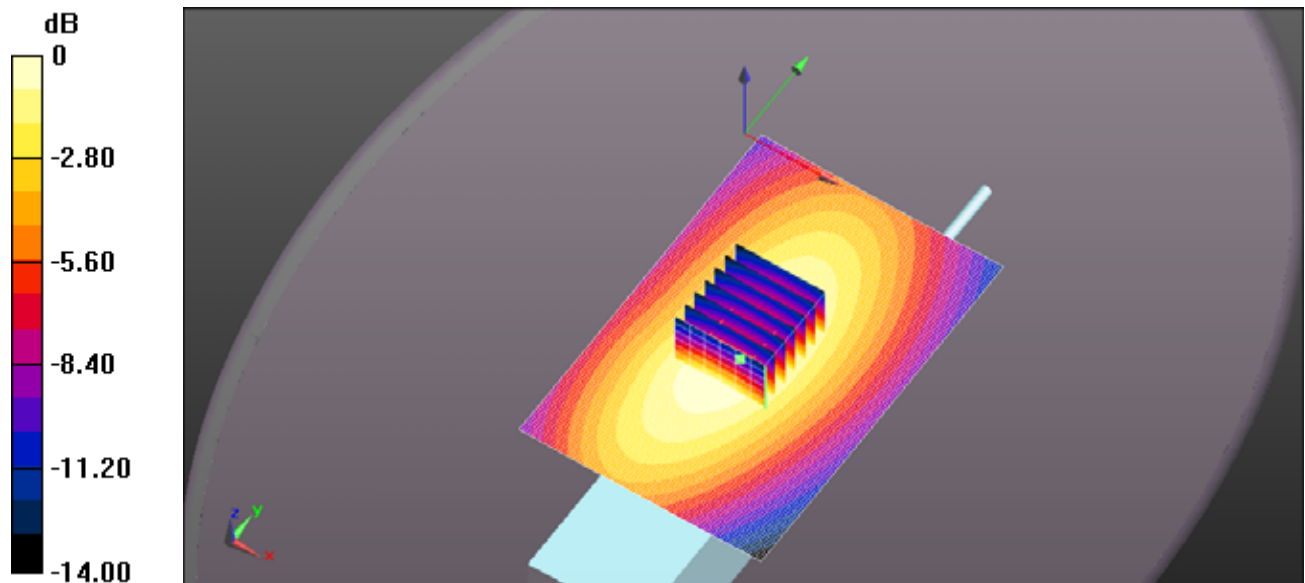
Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 54.34$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.00 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 90.94 V/m; Power Drift = -1.39 dB
Peak SAR (extrapolated) = 7.08 W/kg
SAR(1 g) = 4.79 W/kg; SAR(10 g) = 3.5 W/kg
Maximum value of SAR (measured) = 6.15 W/kg



0 dB = 7.00 W/kg = 8.45 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 470MHZ 165MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

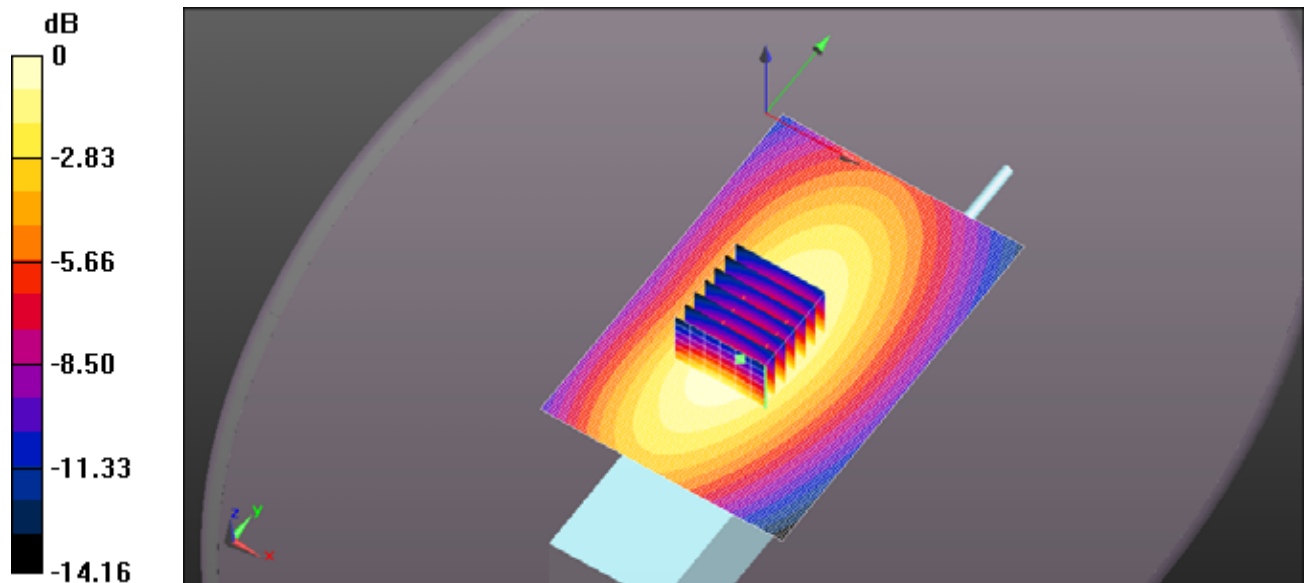
Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 55.147$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.05 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 75.52 V/m; Power Drift = -1.29 dB
Peak SAR (extrapolated) = 5.13 W/kg
SAR(1 g) = 3.45 W/kg; SAR(10 g) = 2.51 W/kg
Maximum value of SAR (measured) = 4.43 W/kg



0 dB = 5.05 W/kg = 7.04 dBW/kg

FILE NAME: [ICOM-514Q BODY FA-SC61UC 420MHZ 156MM BP-278 HM-171GP.DA52:0](#)

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

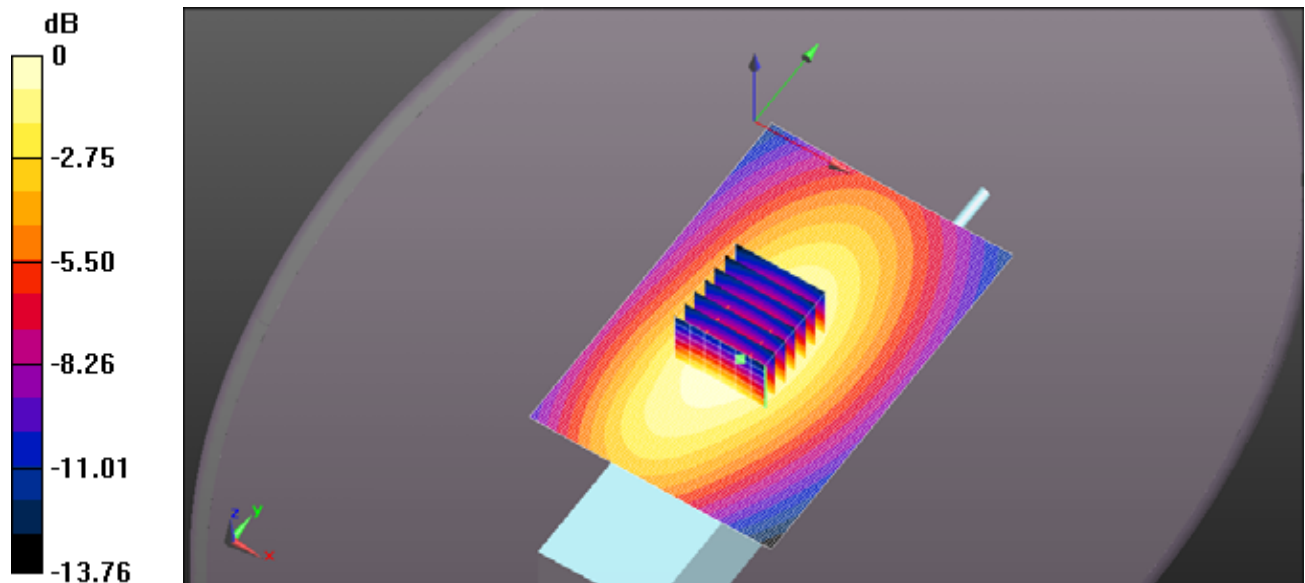
Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 53.816$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASYS 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.98 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.4 V/m; Power Drift = -0.88 dB
Peak SAR (extrapolated) = 9.80 W/kg
SAR(1 g) = 6.73 W/kg; SAR(10 g) = 4.94 W/kg
Maximum value of SAR (measured) = 8.59 W/kg



0 dB = 8.98 W/kg = 9.53 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 460MHZ 156MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

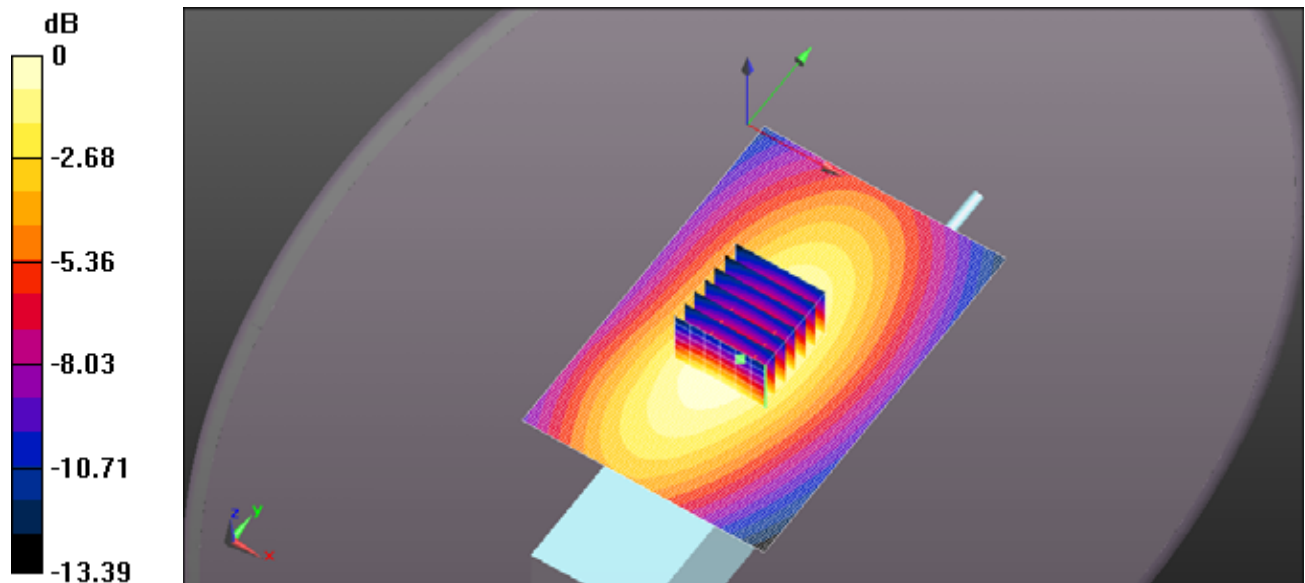
Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 55.062$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.47 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 96.37 V/m; Power Drift = -1.69 dB
Peak SAR (extrapolated) = 7.24 W/kg
SAR(1 g) = 4.9 W/kg; SAR(10 g) = 3.56 W/kg
Maximum value of SAR (measured) = 6.32 W/kg



0 dB = 7.47 W/kg = 8.74 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 400MHZ 148MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

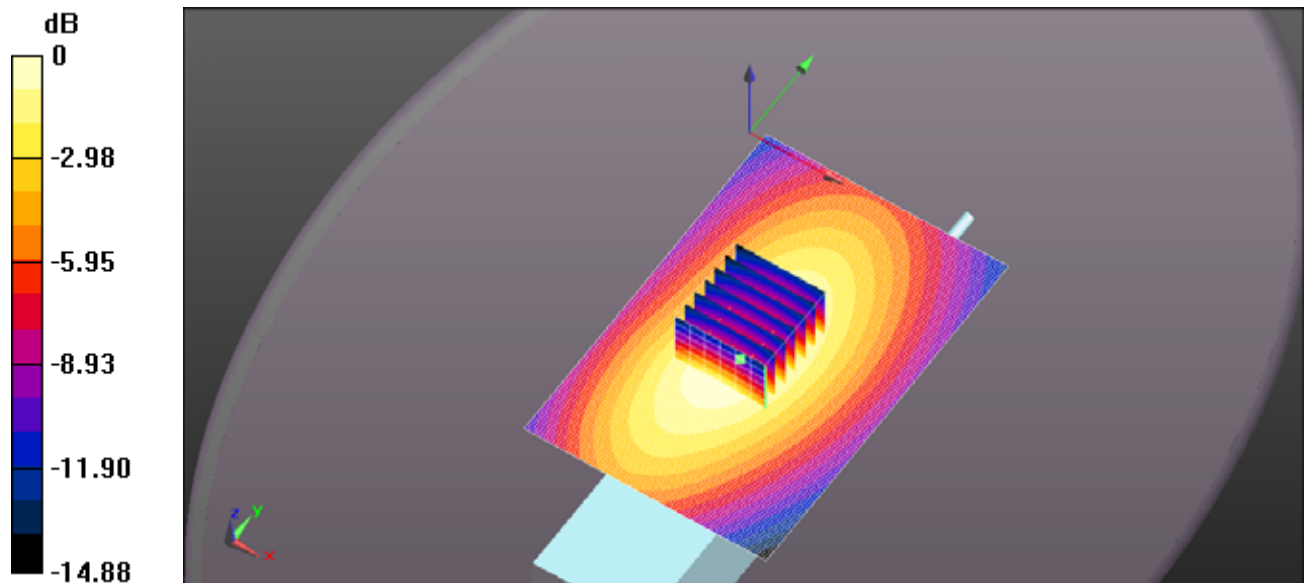
Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 54.207$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.03 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 63.97 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 4.65 W/kg
SAR(1 g) = 3.16 W/kg; SAR(10 g) = 2.3 W/kg
Maximum value of SAR (measured) = 4.06 W/kg



0 dB = 4.03 W/kg = 6.05 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 440MHZ 148MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1

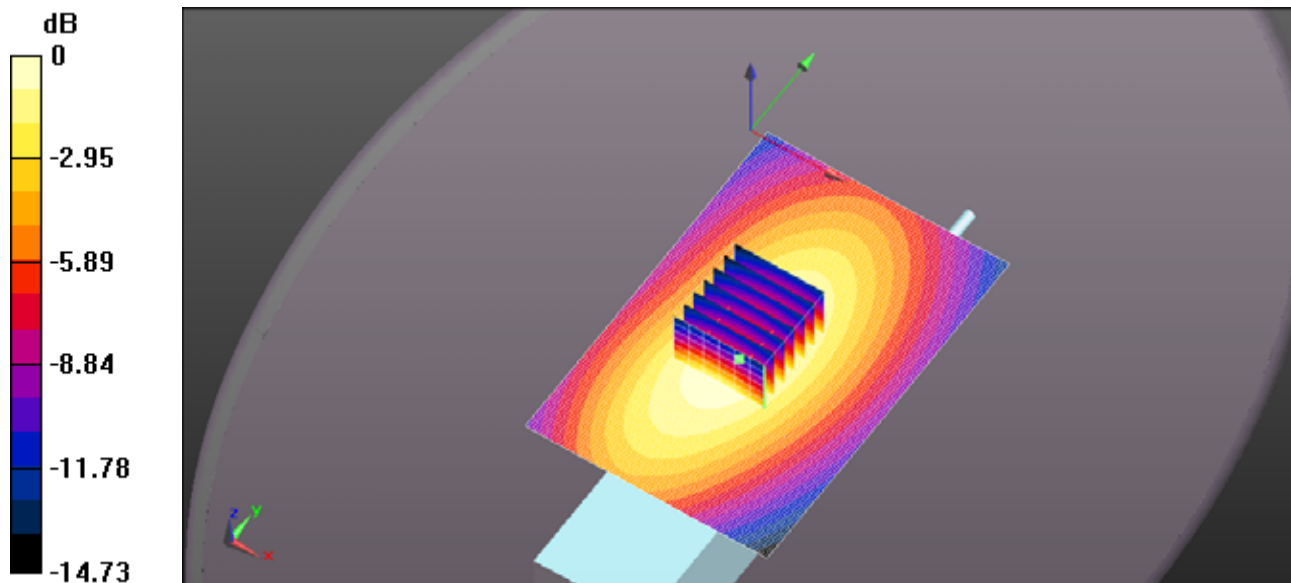
Medium parameters used: $f = 440$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 54.34$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.33 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 100.0 V/m; Power Drift = -0.53 dB
Peak SAR (extrapolated) = 10.1 W/kg
SAR(1 g) = 6.87 W/kg; SAR(10 g) = 5 W/kg
Maximum value of SAR (measured) = 8.83 W/kg



0 dB = 9.33 W/kg = 9.70 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 470MHZ 148MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

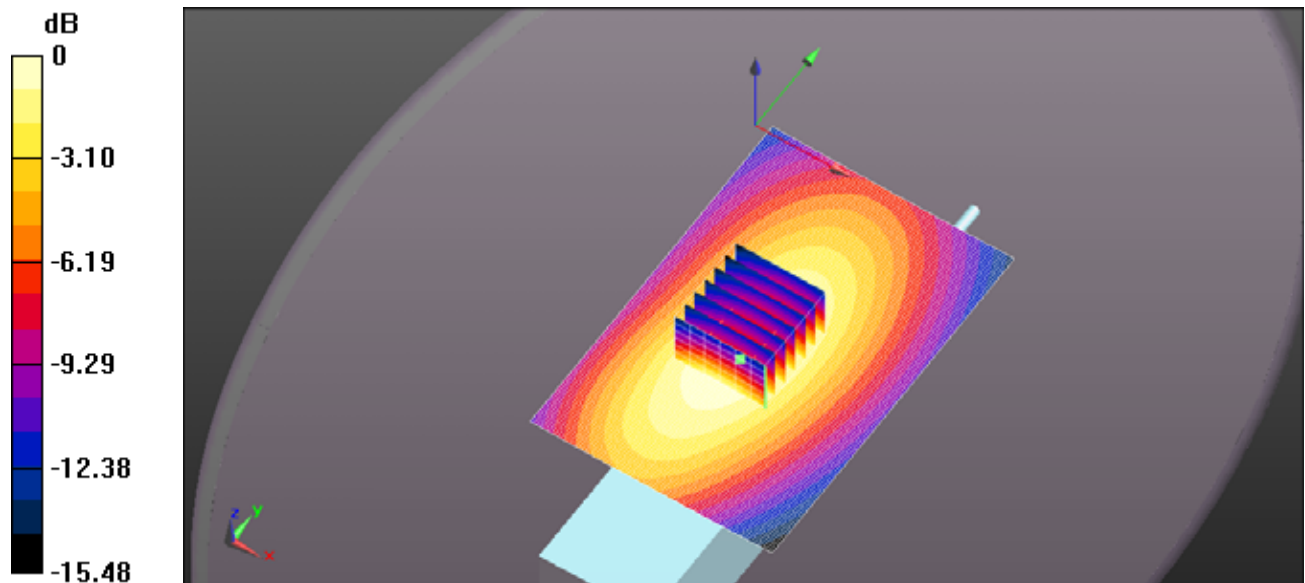
Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 55.147$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 8.26 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 92.83 V/m; Power Drift = -1.24 dB
Peak SAR (extrapolated) = 8.08 W/kg
SAR(1 g) = 5.45 W/kg; SAR(10 g) = 3.95 W/kg
Maximum value of SAR (measured) = 7.03 W/kg



0 dB = 8.26 W/kg = 9.17 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 420MHZ 142MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

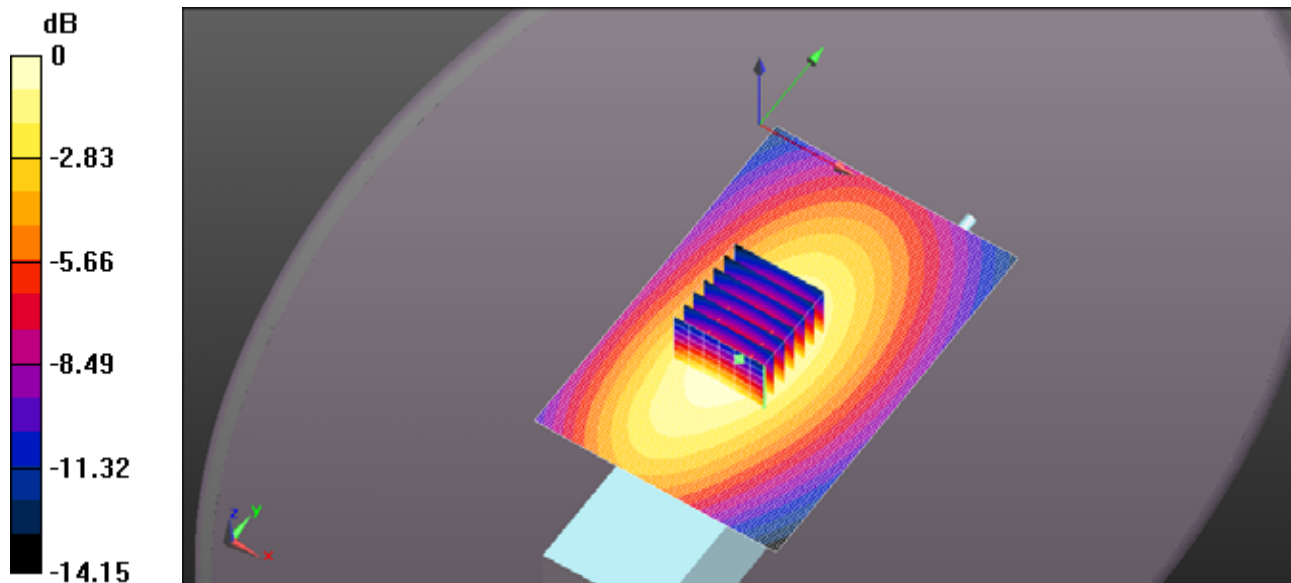
Communication System: UID 0, CW (0); Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420$ MHz; $\sigma = 0.882$ S/m; $\epsilon_r = 53.816$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 5.34 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 77.40 V/m; Power Drift = -0.43 dB
Peak SAR (extrapolated) = 6.09 W/kg
SAR(1 g) = 4.16 W/kg; SAR(10 g) = 3.05 W/kg
Maximum value of SAR (measured) = 5.34 W/kg



0 dB = 5.34 W/kg = 7.28 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 460MHZ 142MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

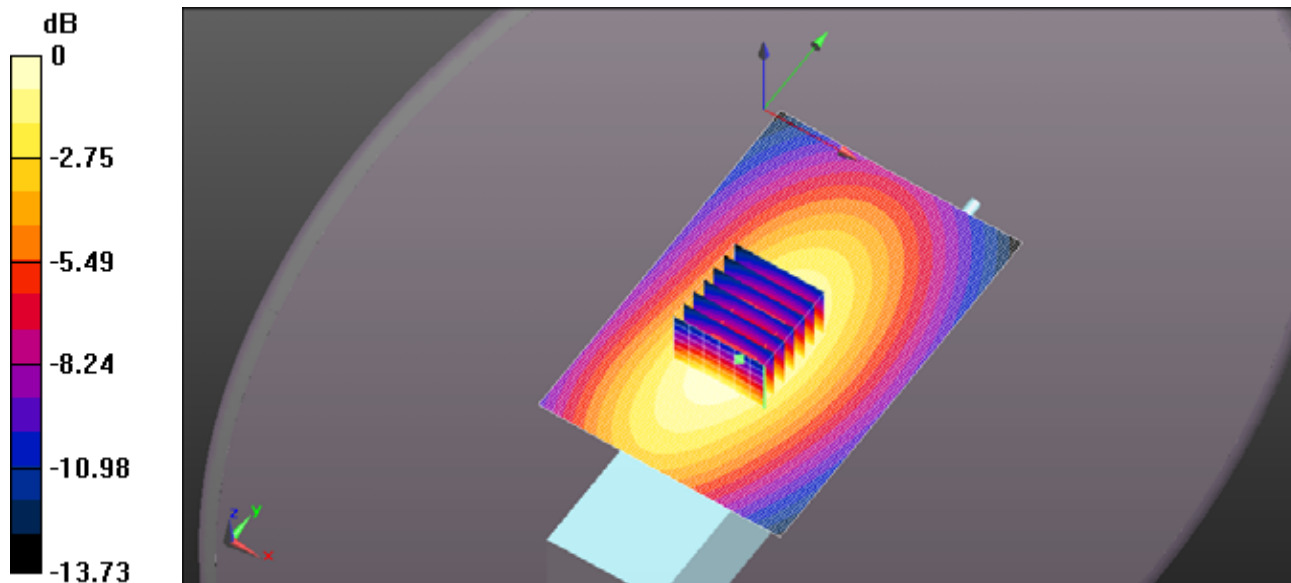
Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 55.062$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.3 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 104.9 V/m; Power Drift = -1.13 dB
Peak SAR (extrapolated) = 10.2 W/kg
SAR(1 g) = 6.9 W/kg; SAR(10 g) = 5.01 W/kg
Maximum value of SAR (measured) = 8.85 W/kg



0 dB = 10.3 W/kg = 10.14 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 400MHZ 136MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

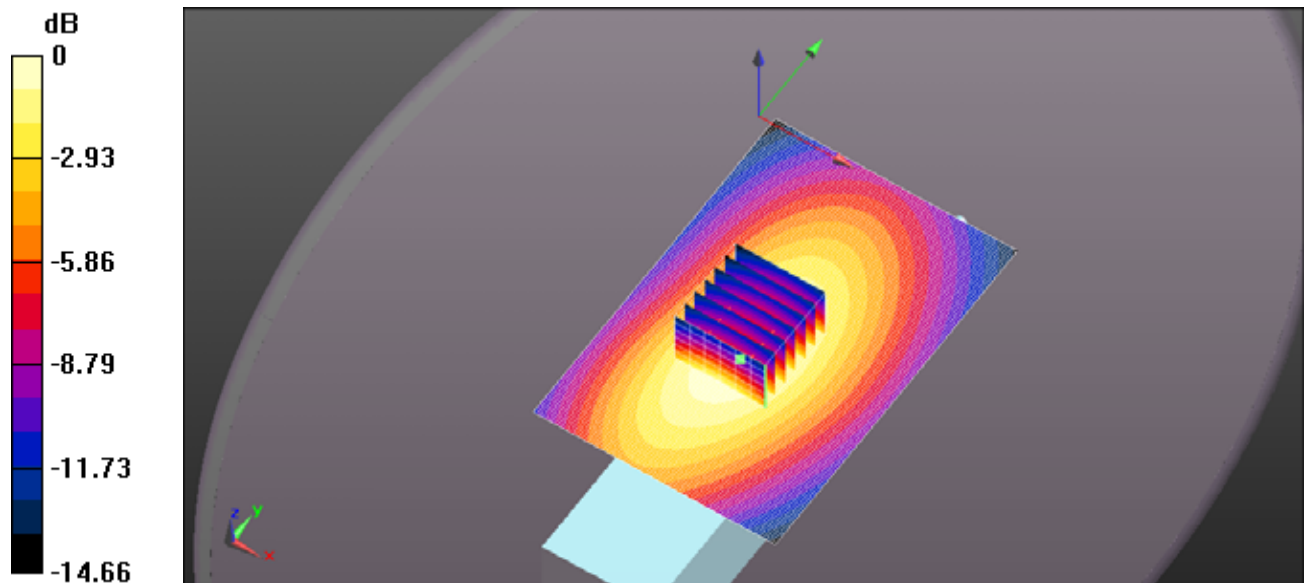
Communication System: UID 0, CW (0); Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400 \text{ MHz}$; $\sigma = 0.869 \text{ S/m}$; $\epsilon_r = 54.207$; $\rho = 1000 \text{ kg/m}^3$; Phantom section:
Flat Section ; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 2.54 W/kg

**Configuration_Body, IC-F2100DS/Body Back, 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 = 53.09 V/m ; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 2.92 W/kg
SAR(1 g) = 1.98 W/kg ; SAR(10 g) = 1.44 W/kg
Maximum value of SAR (measured) = 2.55 W/kg



0 dB = 2.54 W/kg = 4.05 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 440MHZ 136MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

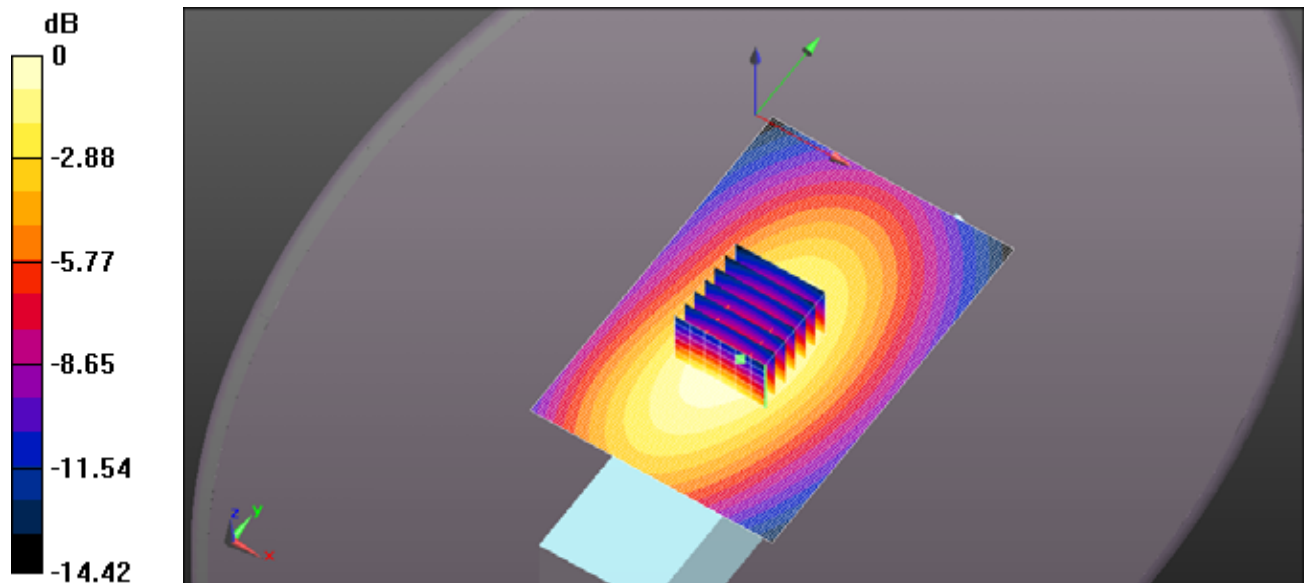
Communication System: UID 0, CW (0); Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440$ MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 54.34$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 6.14 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 80.51 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 6.78 W/kg
SAR(1 g) = 4.6 W/kg; SAR(10 g) = 3.33 W/kg
Maximum value of SAR (measured) = 5.92 W/kg



0 dB = 6.14 W/kg = 7.88 dBW/kg

FILE NAME: ICOM-514Q BODY FA-SC61UC 470MHZ 136MM BP-278 HM-171GP.DA52:0

DUT: IC-F2100DS; Type: UHF Transceiver; Serial: 71000253

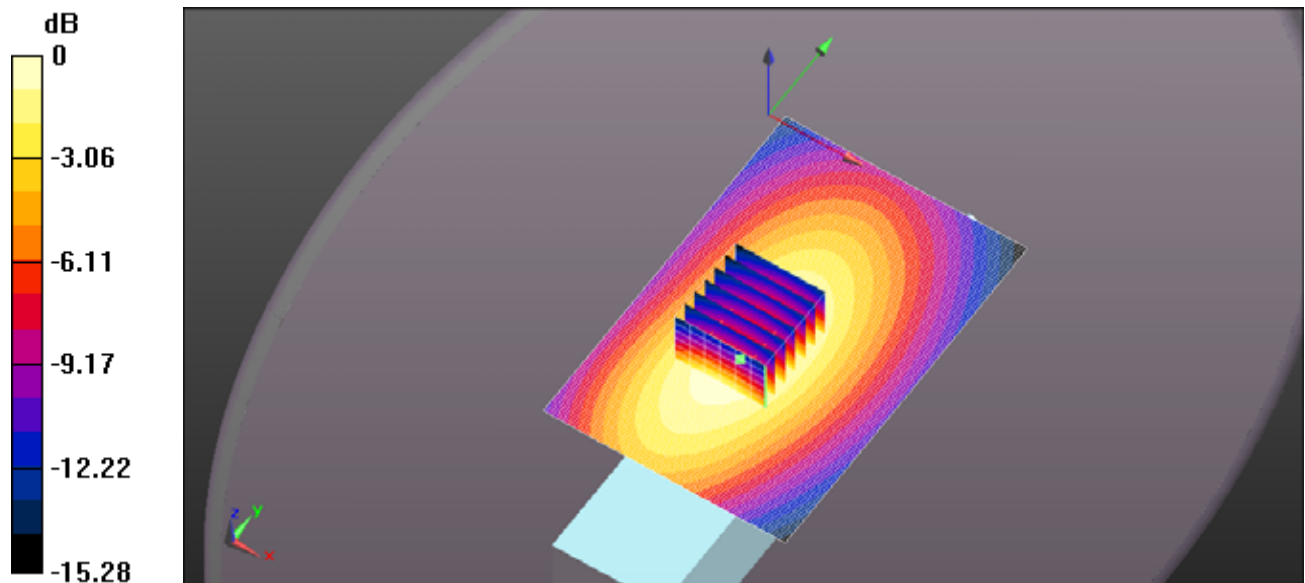
Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 55.147$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.31, 10.31, 10.31); Calibrated: 8/23/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 8/14/2018
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Body, IC-F2100DS/Body Back, d=0mm/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 9.47 W/kg

**Configuration_Body, IC-F2100DS/Body Back, d=0mm/Zoom Scan (5x5x7) (7x7x7)/Cube
0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 100.6 V/m; Power Drift = -0.56 dB
Peak SAR (extrapolated) = 10.5 W/kg
SAR(1 g) = 7.12 W/kg; SAR(10 g) = 5.14 W/kg
Maximum value of SAR (measured) = 9.19 W/kg



0 dB = 9.47 W/kg = 9.76 dBW/kg