

APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. PRESCAN MEASUREMENT SUMMARY

Head Prescan

Battery	Antenna	Power (W)	CH H	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift
				(MHz)			(dB)
BP-278	FA-SC57U	5.17	1	450	4.75	3.47	-0.33
BP-279		5.17	1	450	5.74	4.18	0.05
BP-280		5.17	1	450	7.31	5.25	-0.08

Body Prescan

Battery with MB-133 & HM-159LA	Antenna	Power (W)	CH H	CH. Freq	BODY SAR1g (W/Kg)	BODY SAR10g (W/Kg)	Power Drift
				(MHz)			(dB)
BP-278	FA-SC57U	5.17	1	450	7.89	5.6	-0.11
BP-279		5.17	1	450	8.25	5.85	-0.03
BP-280		5.17	1	450	7.72	5.47	-0.31

FILE NAME: ICOM-558Q HEAD PRESCAN FA-SC57U 450MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 43.616$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (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
- DASY52 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) = 8.37 W/kg

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

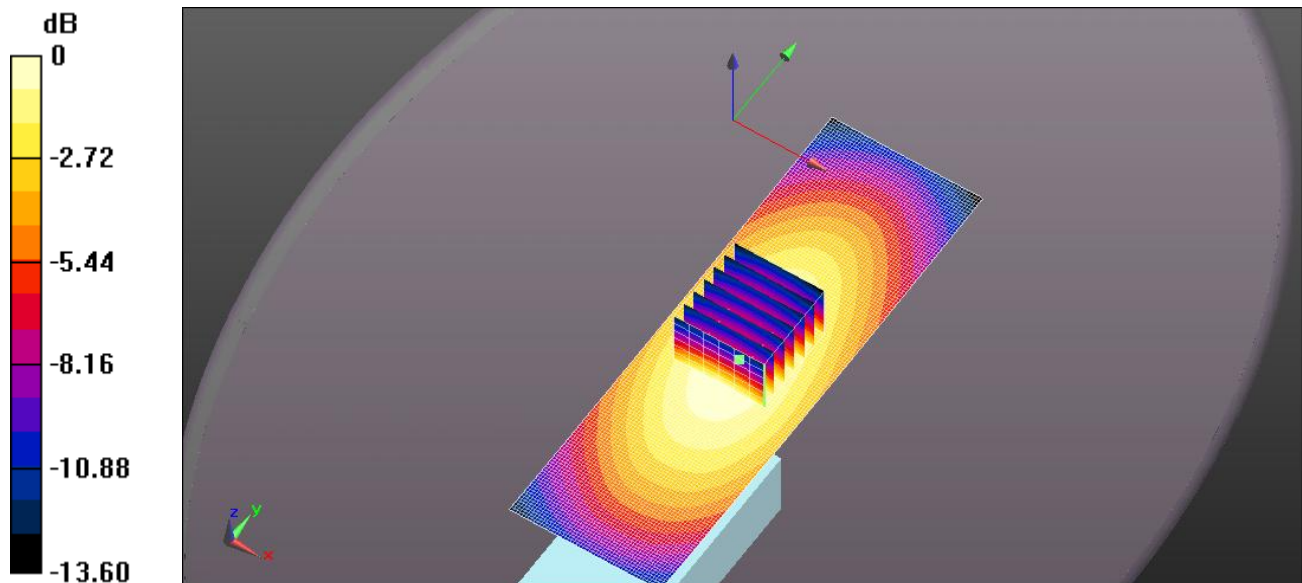
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 100.0 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 7.31 W/kg; SAR(10 g) = 5.25 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.49 W/kg



0 dB = 8.37 W/kg = 9.23 dBW/kg

FILE NAME: ICOM-558Q HEAD PRESCAN FA-SC57U 450MHZ BP-279.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 43.616$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (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
- DASY52 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) = 6.63 W/kg

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

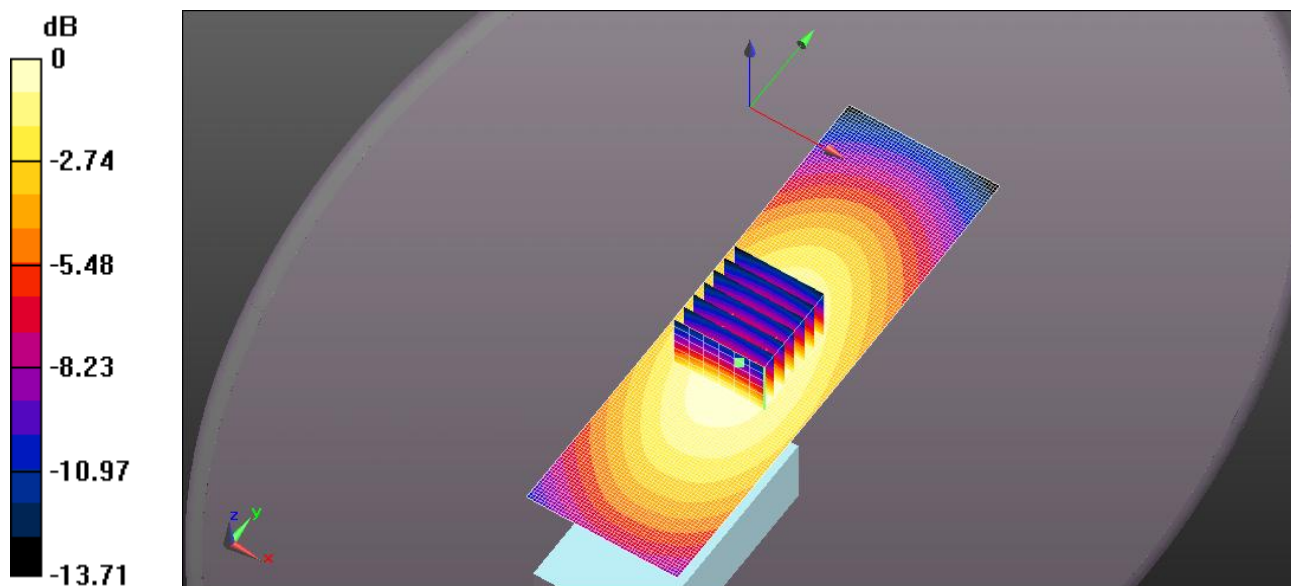
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 86.88 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 8.39 W/kg

SAR(1 g) = 5.74 W/kg; SAR(10 g) = 4.18 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.59 W/kg



0 dB = 6.63 W/kg = 8.21 dBW/kg

FILE NAME: ICOM-558Q HEAD PRESCAN FA-SC57U 450MHZ BP-278.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 43.616$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (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
- DASY52 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) = 5.62 W/kg

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

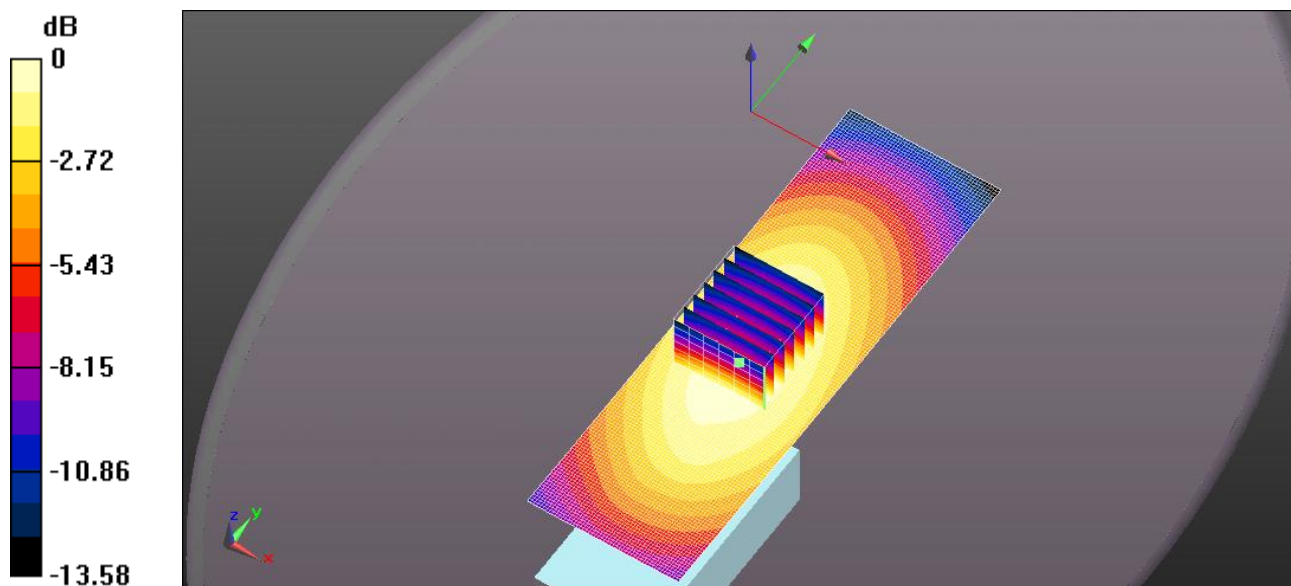
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 81.58 V/m; Power Drift = -0.33 dB

Peak SAR (extrapolated) = 6.89 W/kg

SAR(1 g) = 4.75 W/kg; SAR(10 g) = 3.47 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.43 W/kg



FILE NAME: [ICOM-558Q BODY PRESCAN FA-SC57U 450MHZ BP-278 MB-133 & HM-159LA.DA52:0](#)

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.976$ S/m; $\epsilon_r = 55.608$; $\rho = 1000$ 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) = 9.28 W/kg

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

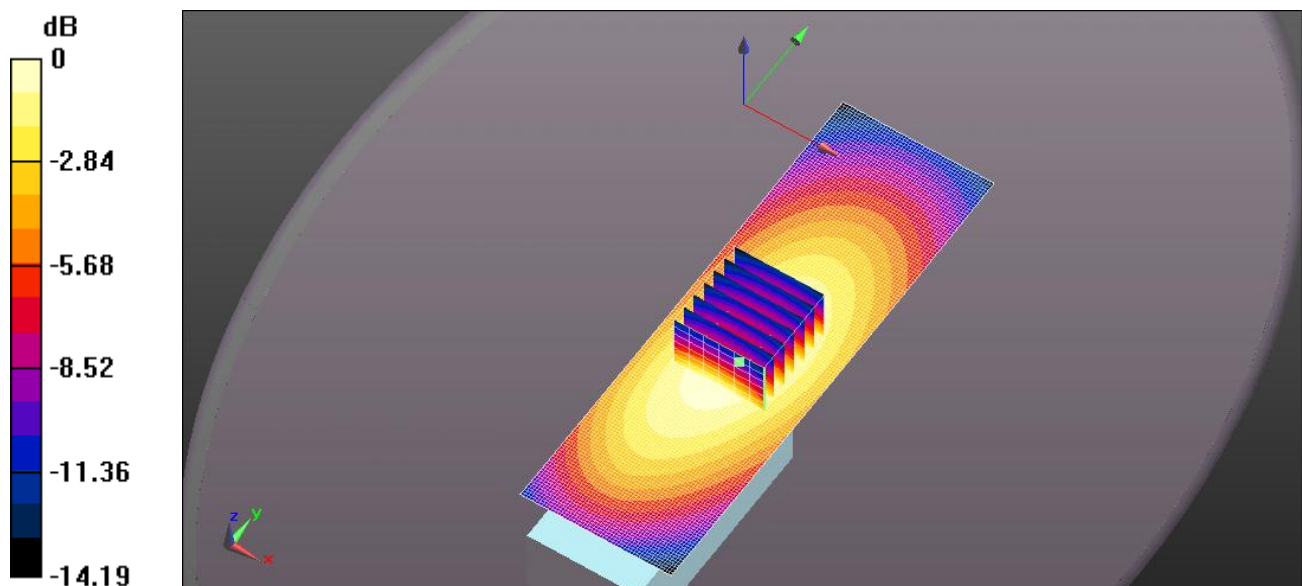
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 99.12 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 7.89 W/kg; SAR(10 g) = 5.6 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.19 W/kg



FILE NAME: [ICOM-558Q BODY PRESCAN FA-SC57U 450MHZ BP-279 MB-133 & HM-159LA.DA52:0](#)

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.976 \text{ S/m}$; $\epsilon_r = 55.608$; $\rho = 1000 \text{ kg/m}^3$; 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 9.50 W/kg

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

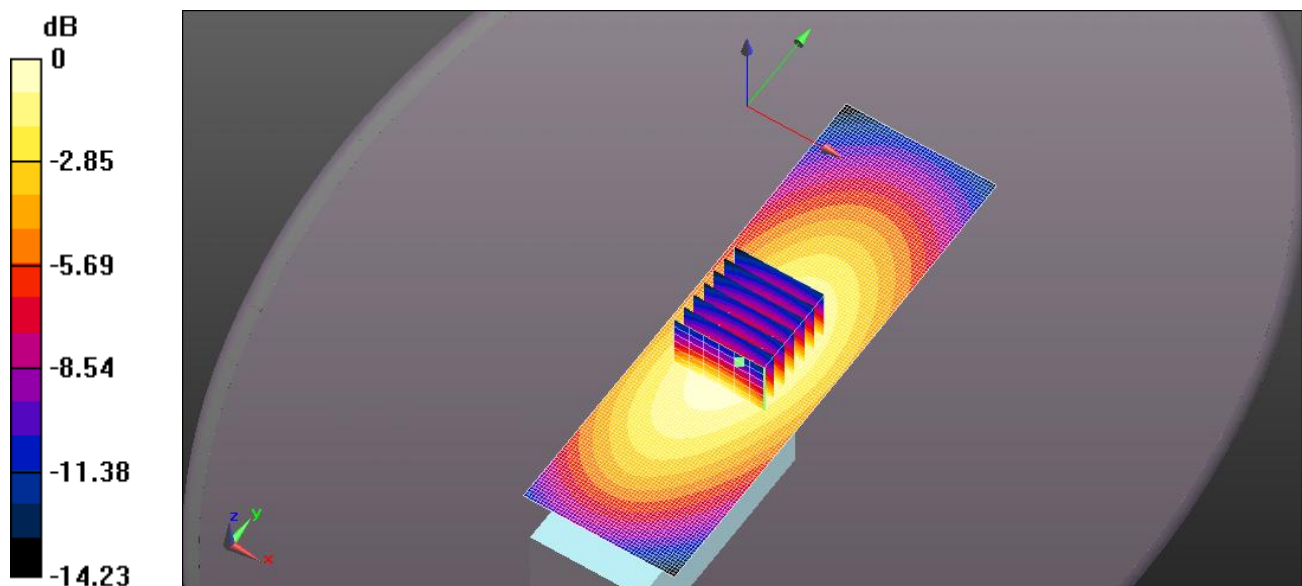
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 100.2 V/m ; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 12.6 W/kg

SAR(1 g) = 8.25 W/kg ; SAR(10 g) = 5.85 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.69 W/kg



FILE NAME: [ICOM-558Q BODY PRESCAN FA-SC57U 450MHZ BP-280 MB-133 & HM-159LA.DA52:0](#)

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.976$ S/m; $\epsilon_r = 55.608$; $\rho = 1000$ 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) = 8.98 W/kg

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

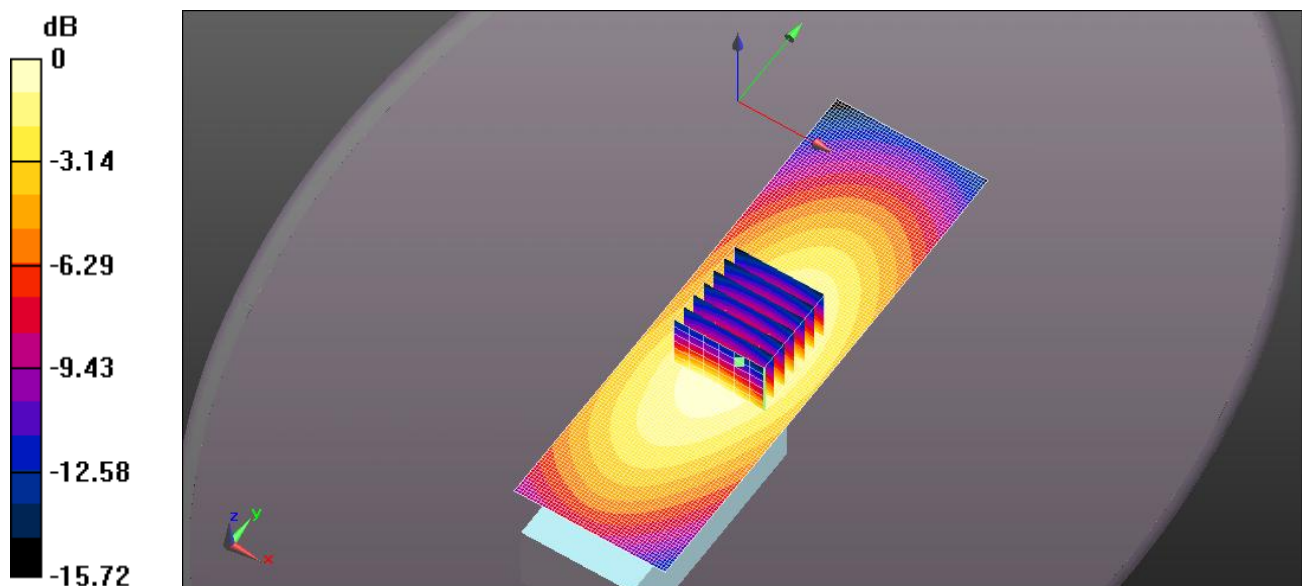
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 99.34 V/m; Power Drift = -0.30 dB

Peak SAR (extrapolated) = 11.7 W/kg

SAR(1 g) = 7.72 W/kg; SAR(10 g) = 5.47 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.01 W/kg



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

EXHIBIT 2. HEAD SAR MEASUREMENTS

Antenna	Power (W)	C H	CH. Freq	HEAD SAR1g (W/Kg)	HEAD SAR10g (W/Kg)	Power Drift (dB)
			(MHz)	BP-280	BP-280	
				2400mAh	2400mAh	
FA-SC57U 430-470 MHz	5.17	1	450	7.31	5.25	-0.08
	5.07	2	460	**	**	**
	4.97	4	470	6.19	4.48	0.29
FA-SC72U 470-520 MHz	4.97	4	470	4.94	3.67	0.04
	4.80	6	490	8.68	6.26	-0.39
	4.90	9	512	9.29	6.71	-0.72
FA-SC73US 450-490 MHz	5.17	1	450	3.44	2.49	-0.24
	4.97	4	470	**	**	**
	4.80	6	490	3.01	2.17	-0.47
FA-SC26US 400-450 MHz	5.17	1	450	2.81	2.03	-1.14

** 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 (dB)
				BP-280	BP-280	
			(MHz)	2400mAh	2400mAh	
FA-SC61UC 440MHz 148mm	5.17	1	450	7.98	5.79	-0.05
	5.07	2	460	7.31	5.34	0.05
	4.85	5	480	7.29	5.3	-0.12
	4.86	7	496	5.38	3.89	0.05
	4.90	9	512	4.6	3.32	1
FA-SC61UC 460MHz 142mm	5.17	1	450	**	**	**
	5.07	2	460	6.42	4.66	-0.18
	4.85	5	480	**	**	**
	4.86	7	496	7.26	5.24	-0.12
	4.90	9	512	**	**	**
FA-SC61UC 480MHz 136mm	5.17	1	450	5.35	3.89	-0.05
	5.02	3	465	4.8	3.48	-0.01
	4.85	5	480	7.68	5.55	-0.24
	4.86	7	496	8.73	6.31	0.07
	4.90	9	512	8.97	6.46	-0.1
FA-SC61UC 500MHz 129mm	5.17	1	450	3.84	2.79	-0.14
	5.02	3	465	3.76	2.72	-0.15
	4.85	5	480	5.92	4.26	-0.04
	4.89	8	500	7.81	5.61	-0.19
	4.90	9	512	10.2	7.36	-0.13
FA-SC61UC 520MHz 125mm	5.17	1	450	3.25	2.36	-0.04
	5.02	3	465	3.27	2.37	-0.36
	4.85	5	480	4.97	3.6	0.14
	4.86	7	496	6.76	4.88	0.13
	4.90	9	512	9.58	6.89	0.03

** SAR Test Reduction Applied For PTT Radio

FILE NAME: ICOM-558Q HEAD FA-SC57U 450MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 43.616$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (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
- DASY52 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) = 8.37 W/kg

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

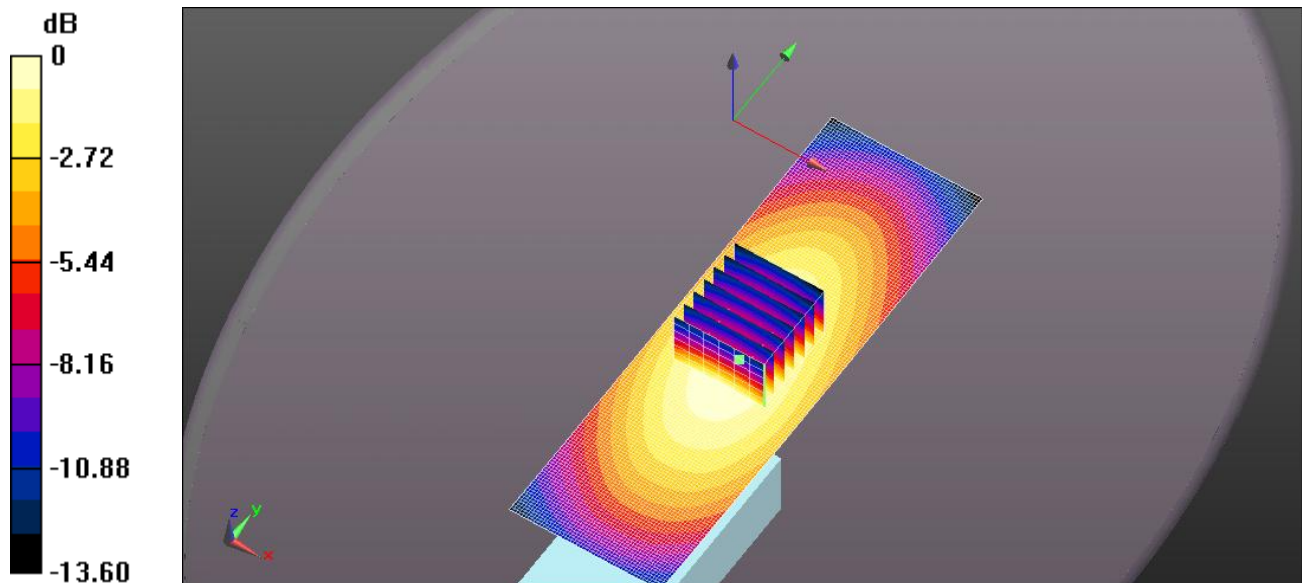
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 100.0 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 7.31 W/kg; SAR(10 g) = 5.25 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.49 W/kg



0 dB = 8.37 W/kg = 9.23 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC57U 470MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.917$ S/m; $\epsilon_r = 43.266$; $\rho = 1000$ 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) = 7.15 W/kg

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

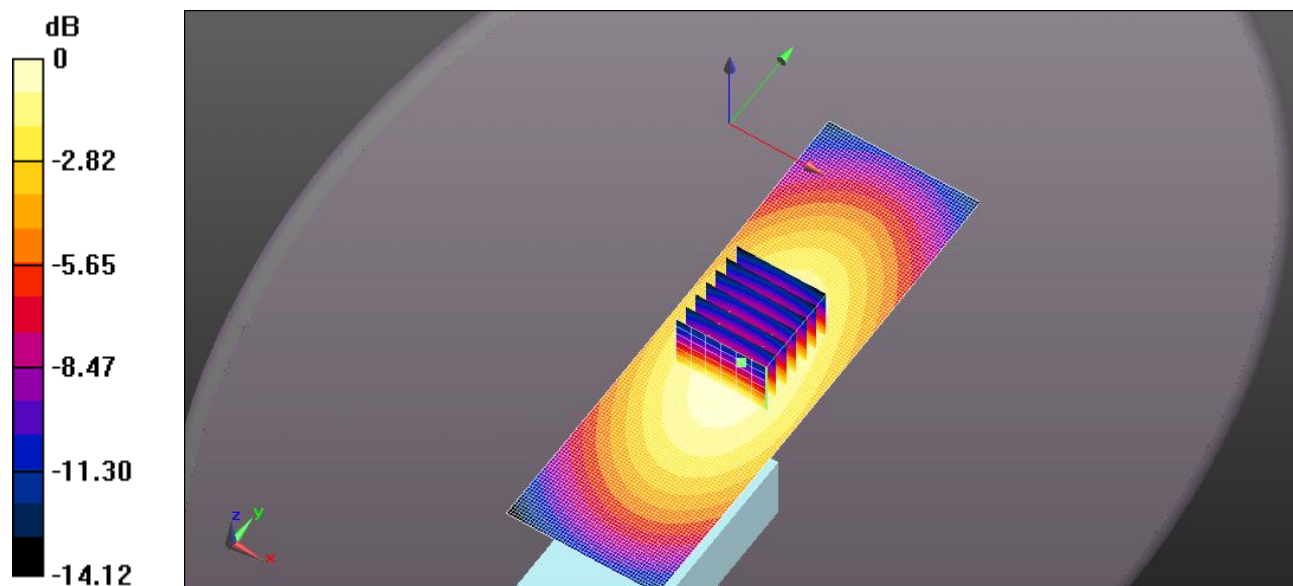
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 87.60 V/m; Power Drift = 0.29 dB

Peak SAR (extrapolated) = 9.33 W/kg

SAR(1 g) = 6.19 W/kg; SAR(10 g) = 4.48 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.30 W/kg



0 dB = 7.15 W/kg = 8.54 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC72U 470MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 0.917$ S/m; $\epsilon_r = 43.266$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (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
- DASY52 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) = 5.73 W/kg

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

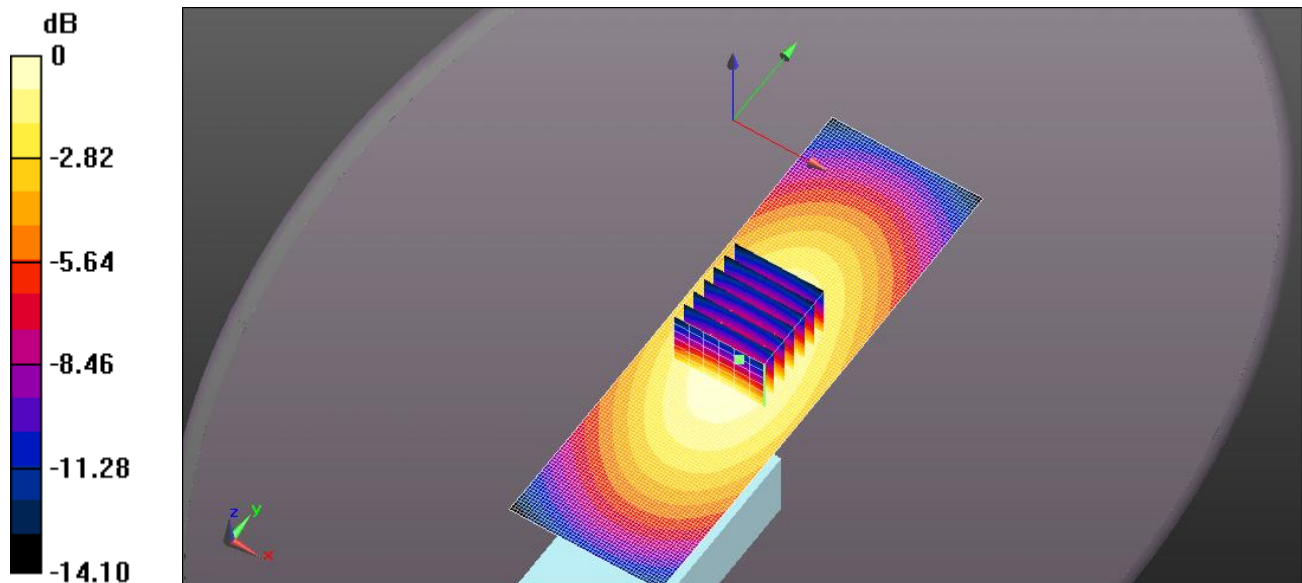
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 80.45 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 7.45 W/kg

SAR(1 g) = 4.94 W/kg; SAR(10 g) = 3.57 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.81 W/kg



FILE NAME: ICOM-558Q HEAD FA-SC72U 512MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 0.955$ S/m; $\epsilon_r = 42.637$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section ; Measurement Standard: DASY5 (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
- DASY52 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) = 12.1 W/kg

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

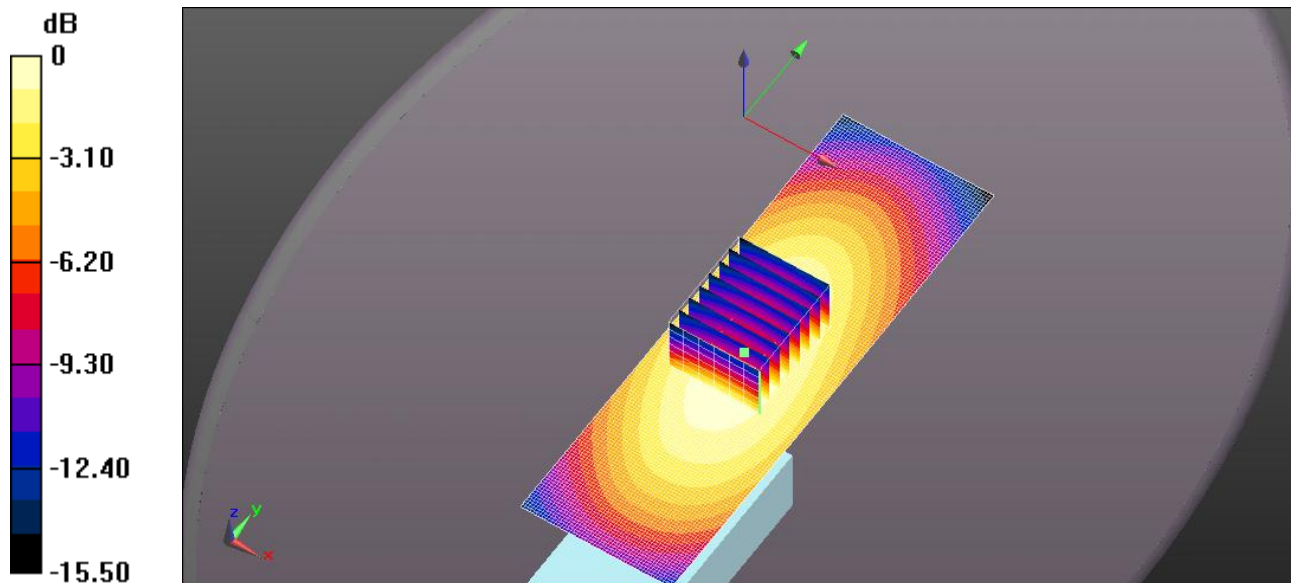
(7x8x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 114.5 V/m; Power Drift = -0.72 dB

Peak SAR (extrapolated) = 14.7 W/kg

SAR(1 g) = 9.29 W/kg; SAR(10 g) = 6.71 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 12.1 W/kg = 10.83 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC72U 490MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 490$ MHz; $\sigma = 0.937$ S/m; $\epsilon_r = 42.91$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (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
- DASY52 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) = 10.7 W/kg

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

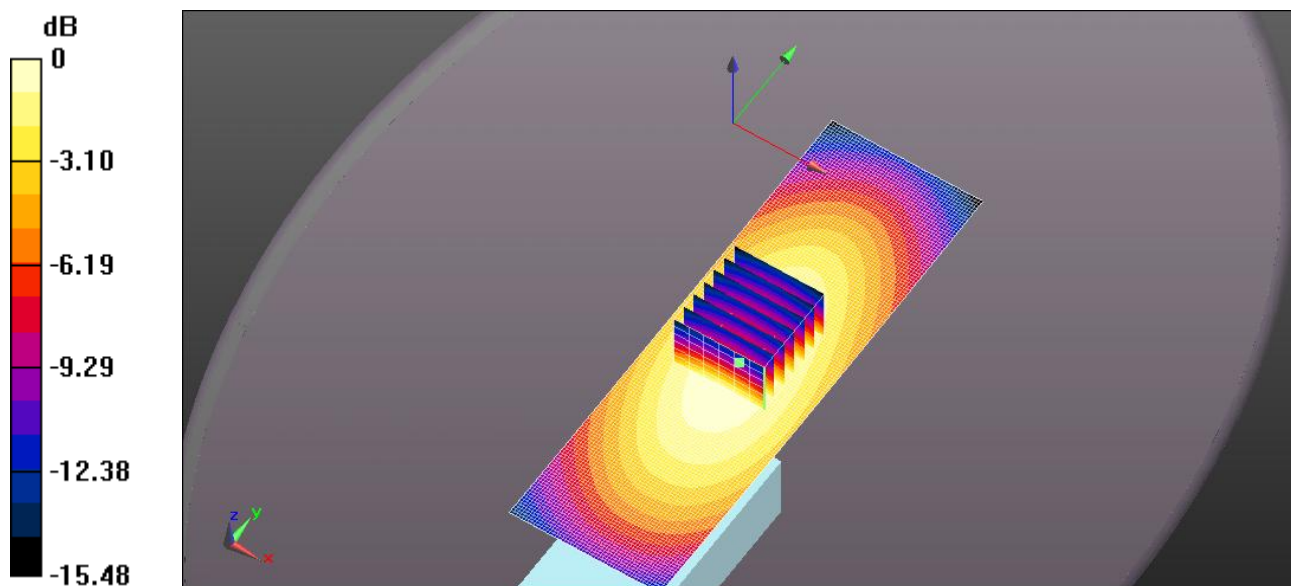
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 110.9 V/m; Power Drift = -0.39 dB

Peak SAR (extrapolated) = 13.4 W/kg

SAR(1 g) = 8.68 W/kg; SAR(10 g) = 6.26 W/kg (SAR corrected for target medium)

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



0 dB = 10.7 W/kg = 10.29 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC73US 450MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 43.616$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (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
- DASY52 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) = 4.26 W/kg

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

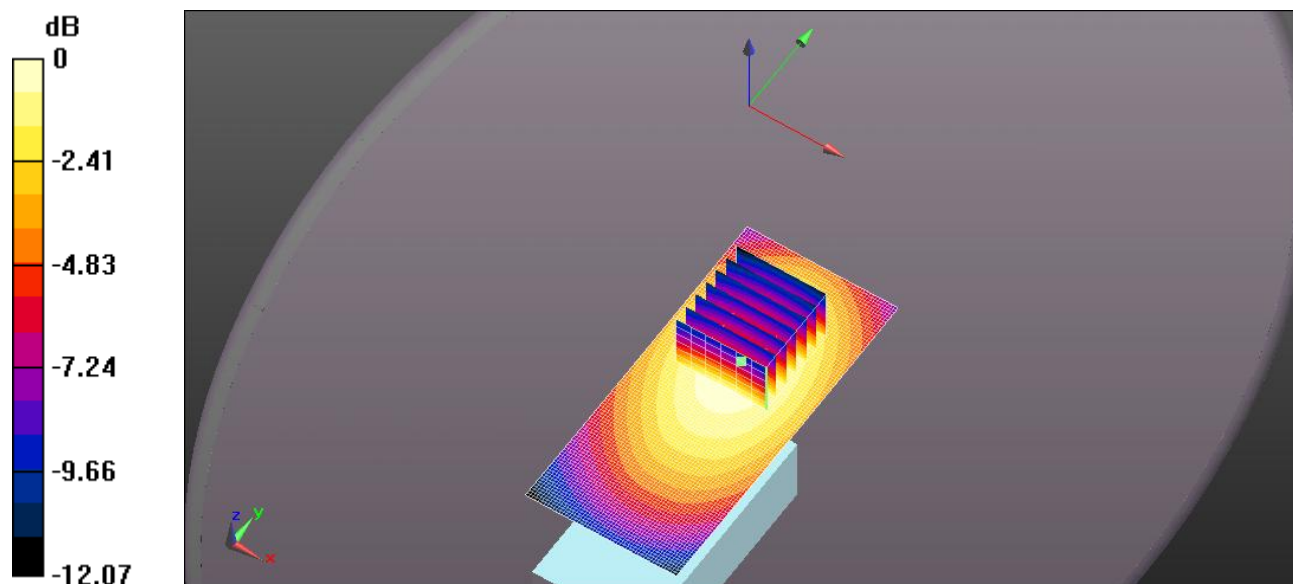
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 69.44 V/m; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 5.10 W/kg

SAR(1 g) = 3.44 W/kg; SAR(10 g) = 2.49 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.98 W/kg



0 dB = 4.26 W/kg = 6.30 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC73US 490MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 490$ MHz; $\sigma = 0.937$ S/m; $\epsilon_r = 42.91$; $\rho = 1000$ 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
- DASY52 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) = 3.83 W/kg

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

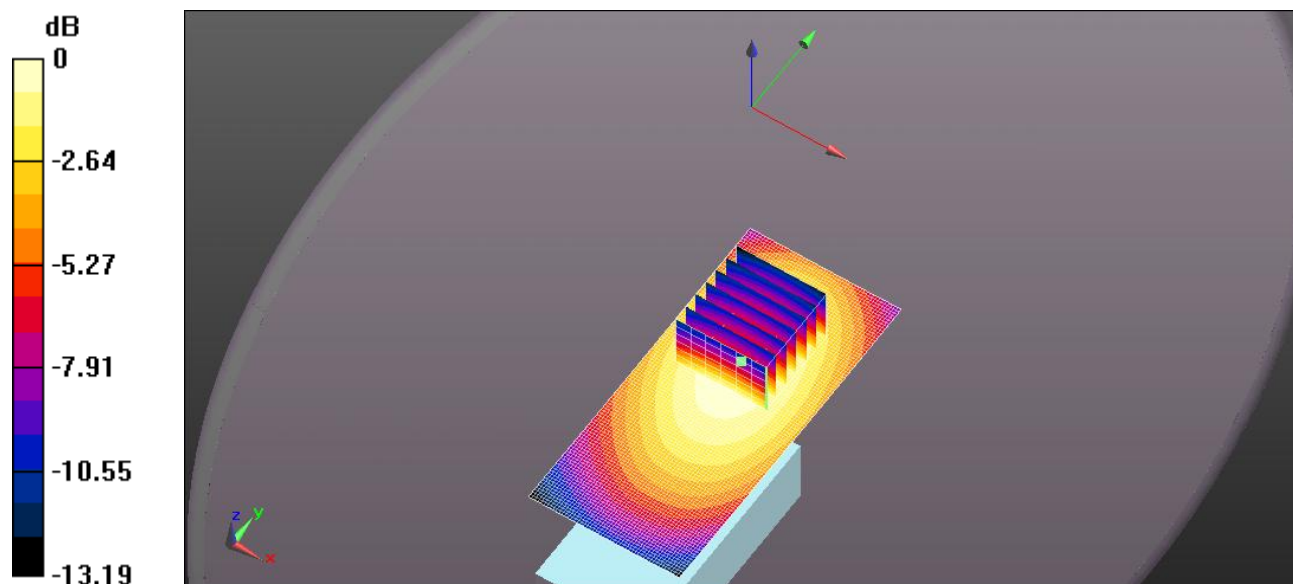
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 66.52 V/m; Power Drift = -0.47 dB

Peak SAR (extrapolated) = 4.66 W/kg

SAR(1 g) = 3.01 W/kg; SAR(10 g) = 2.17 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.61 W/kg



0 dB = 3.83 W/kg = 5.83 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC26US 450MHZ BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 43.616$; $\rho = 1000$ 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
- DASY52 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) = 3.40 W/kg

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

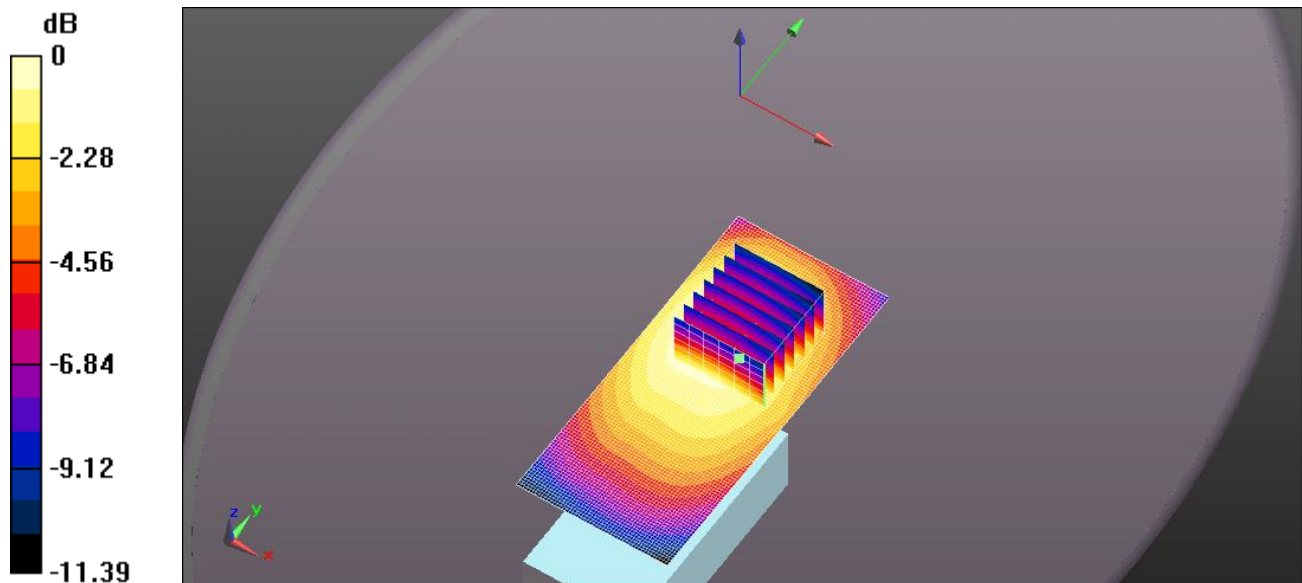
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 69.46 V/m; Power Drift = -1.14 dB

Peak SAR (extrapolated) = 4.16 W/kg

SAR(1 g) = 2.81 W/kg; SAR(10 g) = 2.03 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.24 W/kg



FILE NAME: ICOM-558Q HEAD FA-SC61UC 450MHZ 148MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 43.616$; $\rho = 1000$ 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
- DASY52 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) = 9.41 W/kg

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

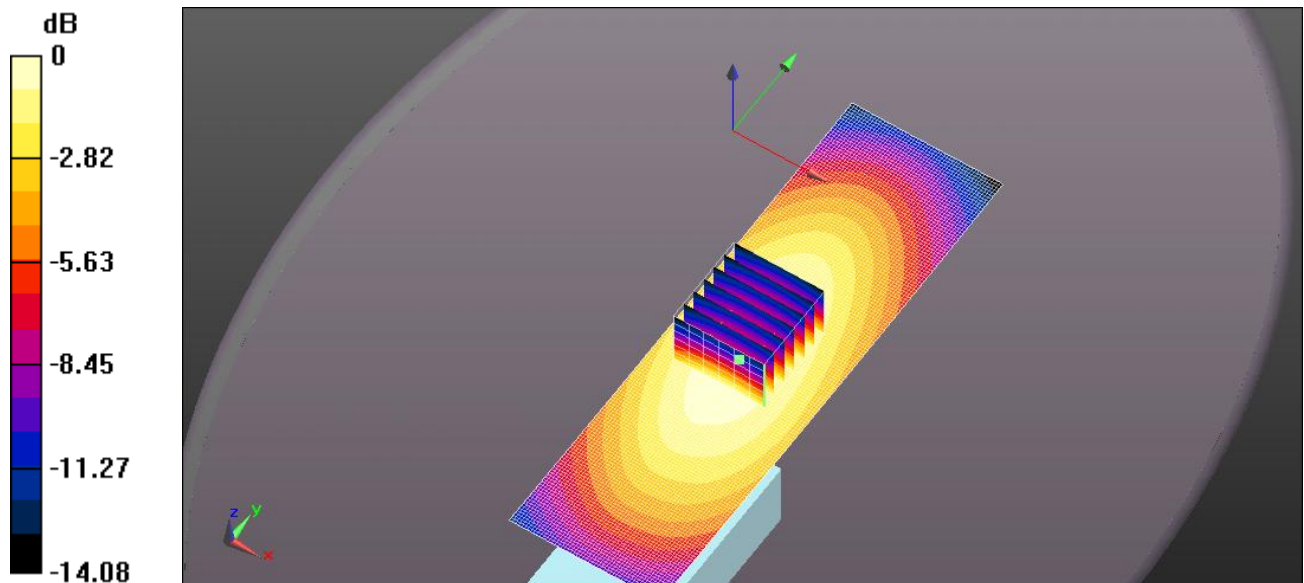
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 102.7 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 7.98 W/kg; SAR(10 g) = 5.79 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.21 W/kg



0 dB = 9.41 W/kg = 9.74 dBW/kg

FILE NAME: [ICOM-558Q HEAD FA-SC61UC 460MHZ 148MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 43.444$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (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
- DASY52 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) = 8.46 W/kg

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

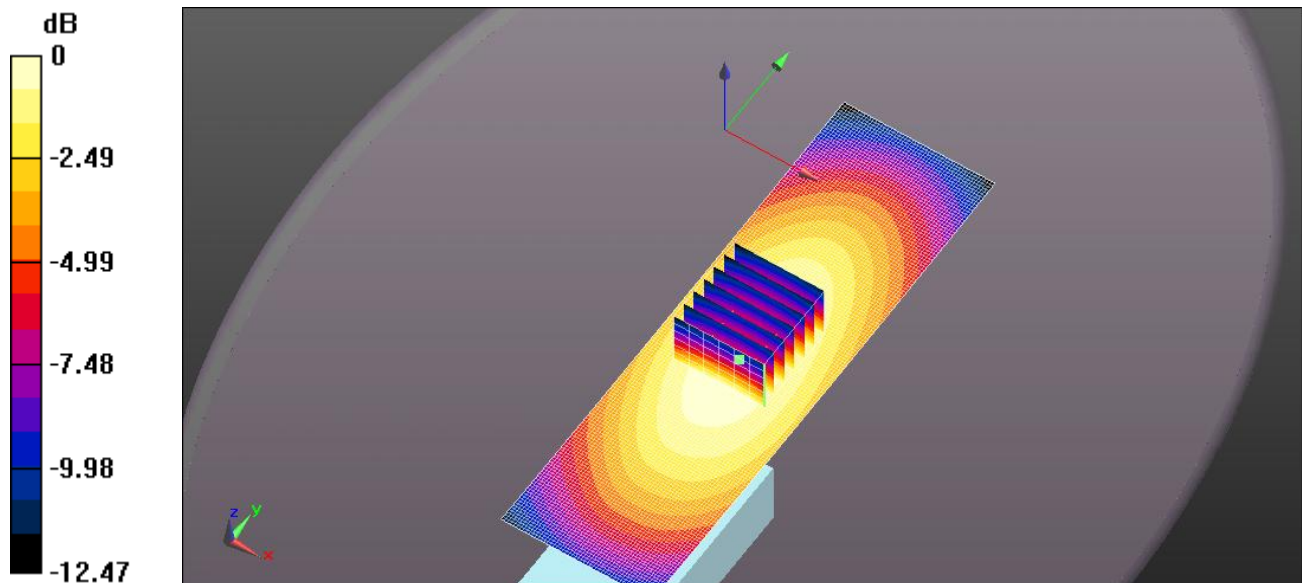
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 96.57 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 7.31 W/kg; SAR(10 g) = 5.34 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.47 W/kg



0 dB = 8.46 W/kg = 9.27 dBW/kg

FILE NAME: [ICOM-558Q HEAD FA-SC61UC 480MHZ 148MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 43.092$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (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
- DASY52 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) = 8.78 W/kg

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

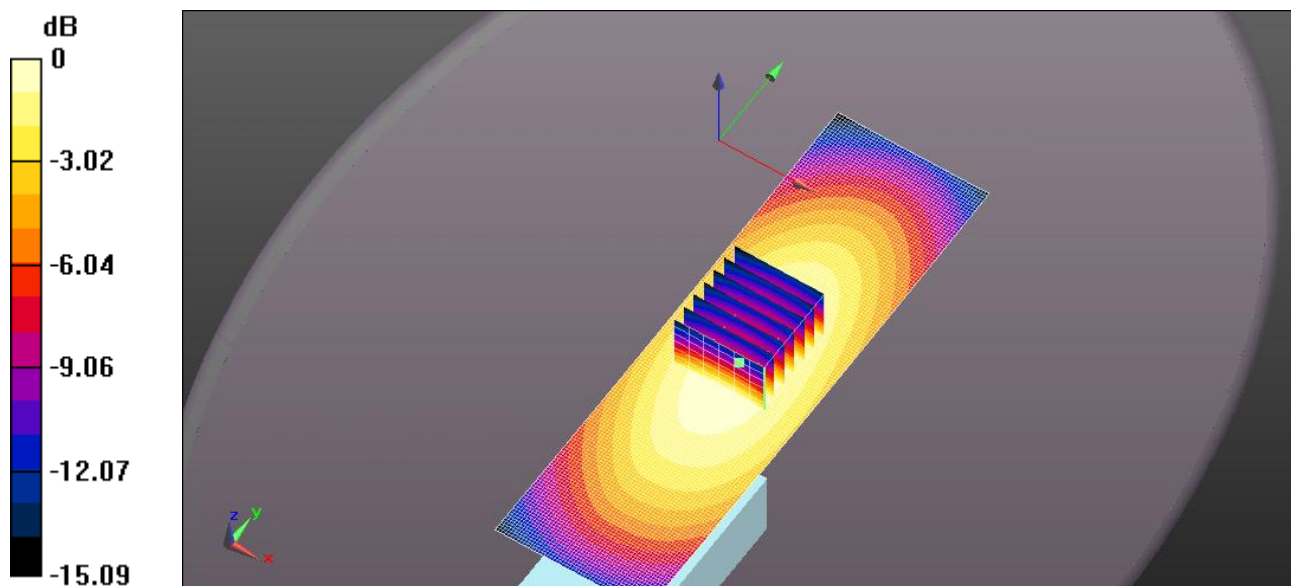
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 97.61 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 7.29 W/kg; SAR(10 g) = 5.3 W/kg (SAR corrected for target medium)

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



0 dB = 8.78 W/kg = 9.44 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 496MHZ 148MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 496 \text{ MHz}$; $\sigma = 0.941 \text{ S/m}$; $\epsilon_r = 42.861$; $\rho = 1000 \text{ kg/m}^3$;
Phantom section: Flat Section ; Measurement Standard: DASY5 (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
- DASY52 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 6.40 W/kg

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

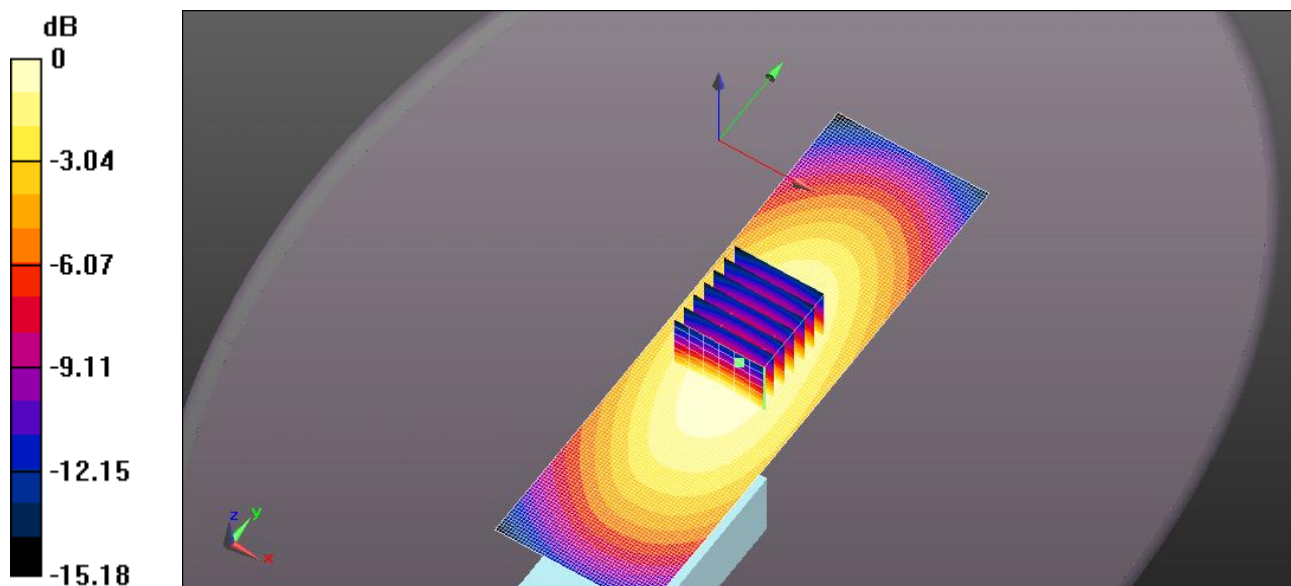
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 81.87 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 8.27 W/kg

SAR(1 g) = 5.38 W/kg ; SAR(10 g) = 3.89 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.47 W/kg



0 dB = 6.40 W/kg = 8.06 dBW/kg

FILE NAME: [ICOM-558Q HEAD FA-SC61UC 512MHZ 148MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 512 \text{ MHz}$; $\sigma = 0.955 \text{ S/m}$; $\epsilon_r = 42.637$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Measurement Standard: DASY5 (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
- DASY52 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

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

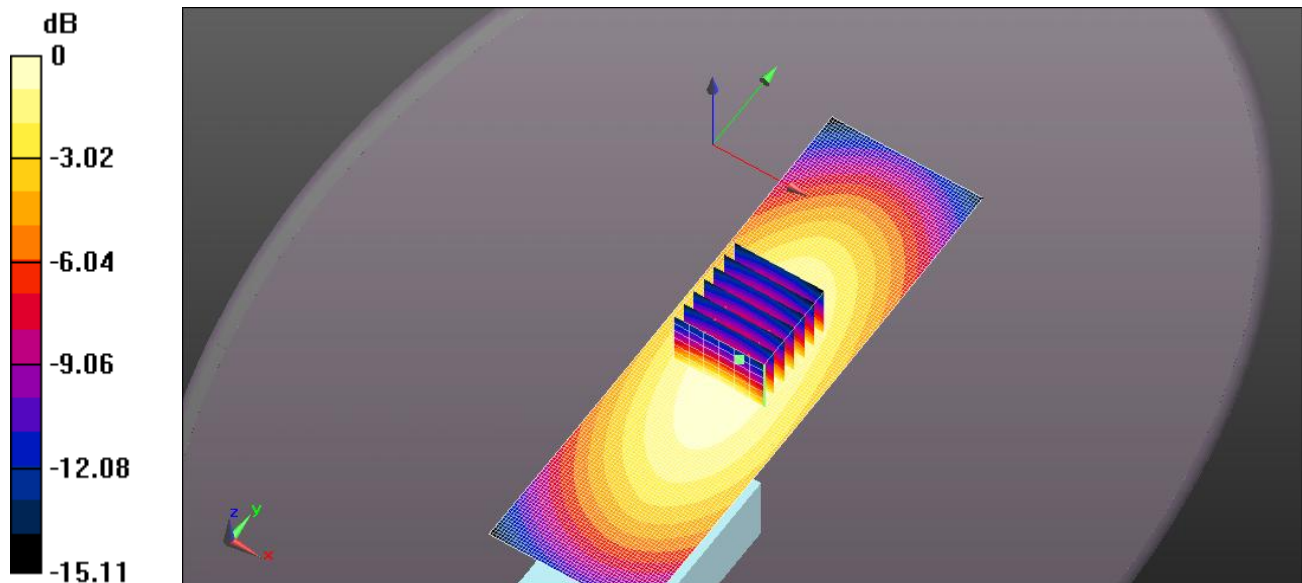
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 68.03 V/m ; Power Drift = 1.00 dB

Peak SAR (extrapolated) = 7.25 W/kg

SAR(1 g) = 4.6 W/kg ; SAR(10 g) = 3.32 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.61 W/kg



0 dB = 4.93 W/kg = 6.93 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 460MHZ 142MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 43.444$; $\rho = 1000$ 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
- DASY52 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) = 7.60 W/kg

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

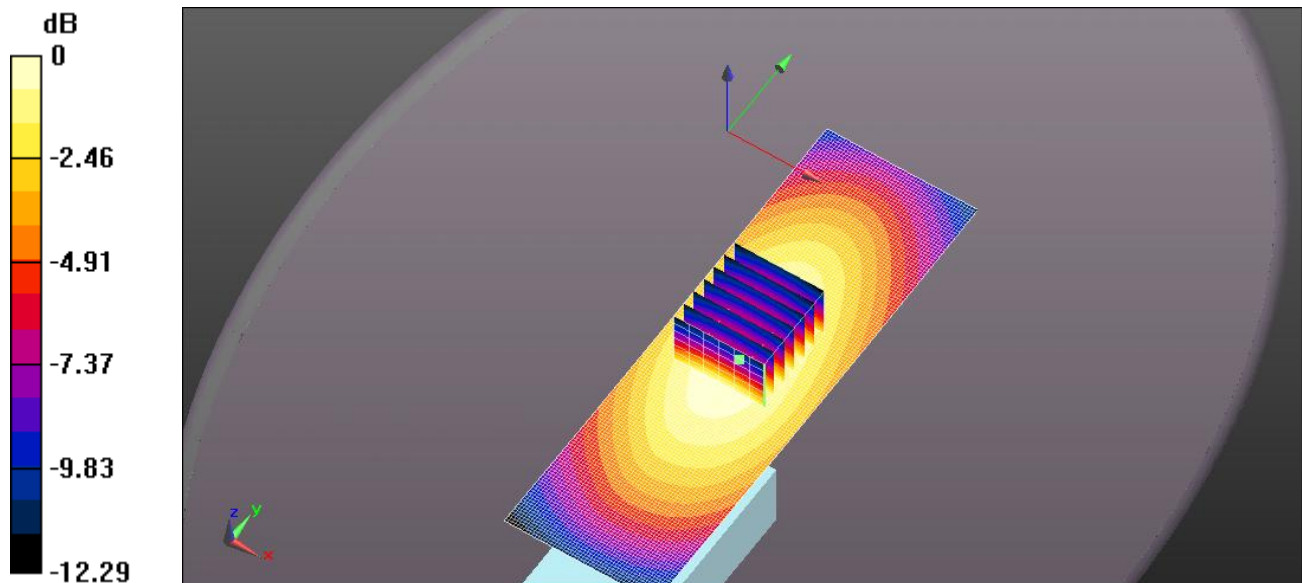
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 92.46 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 9.55 W/kg

SAR(1 g) = 6.42 W/kg; SAR(10 g) = 4.66 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.49 W/kg



0 dB = 7.60 W/kg = 8.81 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 496MHZ 142MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 496 \text{ MHz}$; $\sigma = 0.941 \text{ S/m}$; $\epsilon_r = 42.861$; $\rho = 1000 \text{ kg/m}^3$;
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
- 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 8.83 W/kg

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

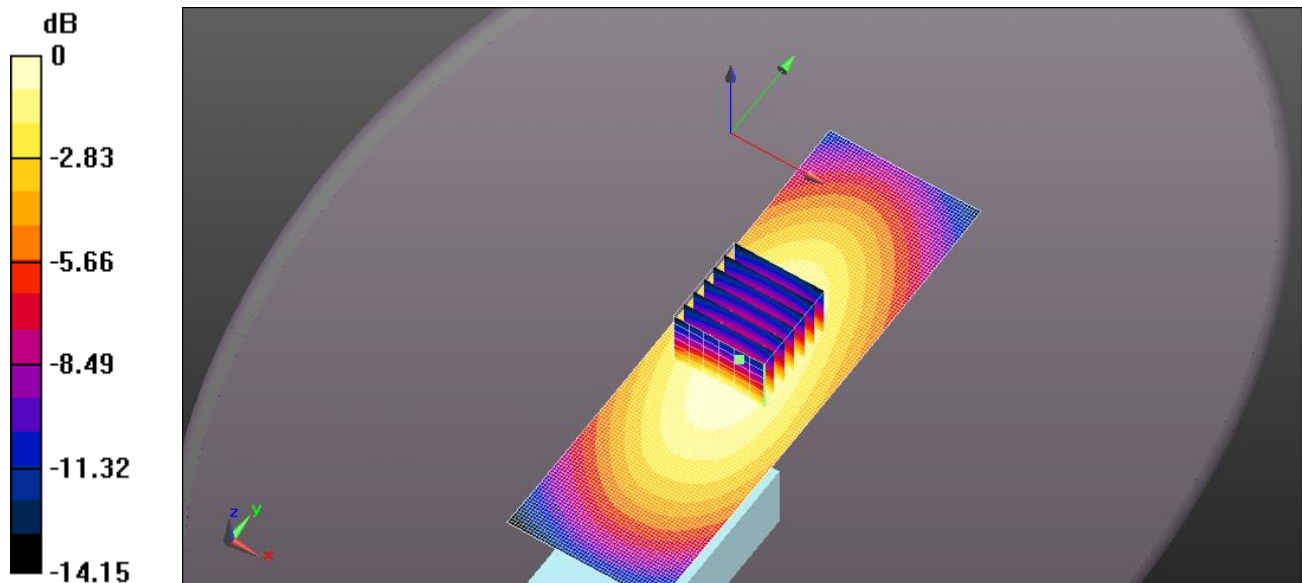
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 97.86 V/m ; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 7.26 W/kg ; SAR(10 g) = 5.24 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.75 W/kg



0 dB = 8.83 W/kg = 9.46 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 480MHZ 136MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 43.092$; $\rho = 1000$ 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
- DASY52 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) = 9.66 W/kg

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

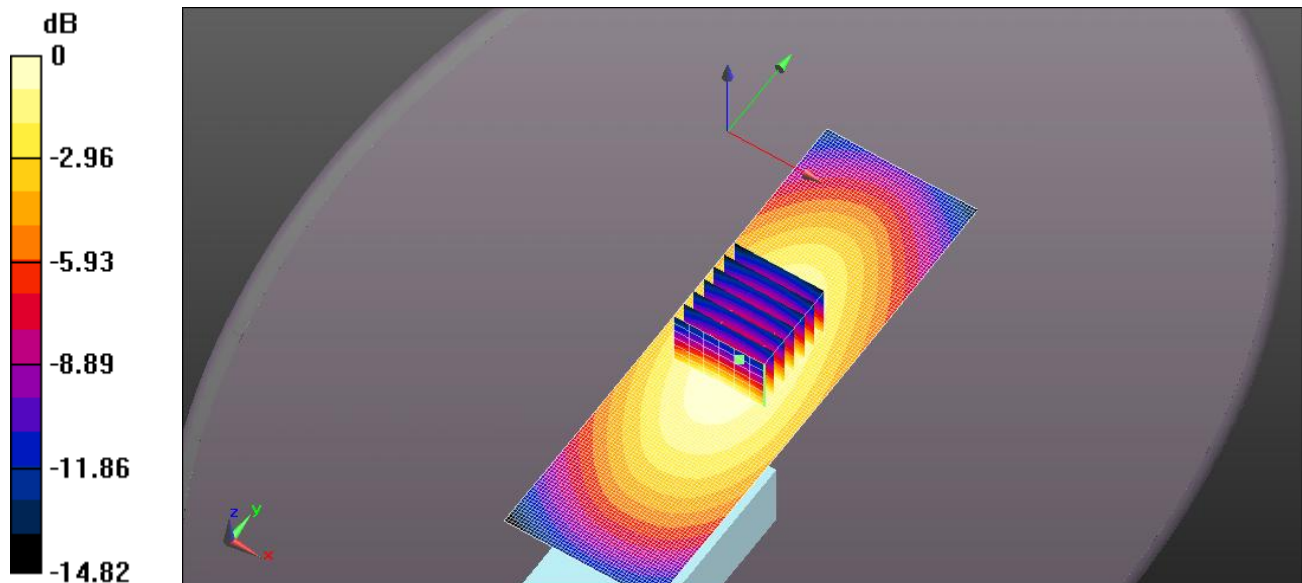
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 102.4 V/m; Power Drift = -0.24 dB

Peak SAR (extrapolated) = 11.7 W/kg

SAR(1 g) = 7.68 W/kg; SAR(10 g) = 5.55 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.15 W/kg



0 dB = 9.66 W/kg = 9.85 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 450MHZ 136MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 43.616$; $\rho = 1000$ 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
- DASY52 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)

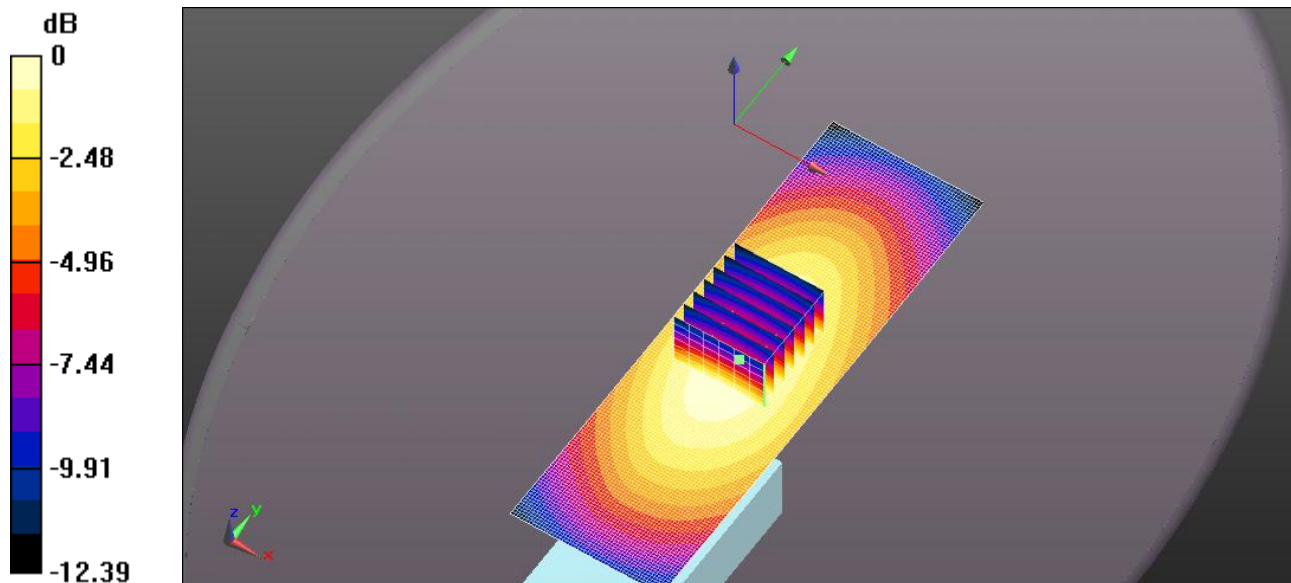
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 83.89 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 7.83 W/kg

SAR(1 g) = 5.35 W/kg; SAR(10 g) = 3.89 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.14 W/kg



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

FILE NAME: ICOM-558Q HEAD FA-SC61UC 465MHZ 136MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 465$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 43.368$; $\rho = 1000$ 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
- DASY52 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) = 5.49 W/kg

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

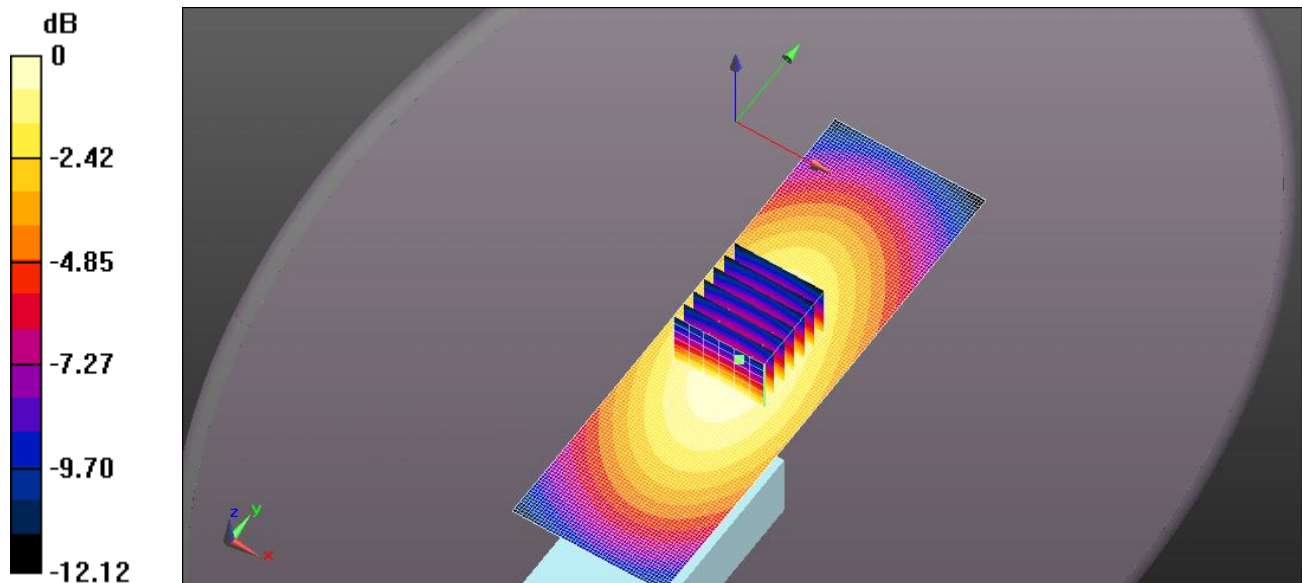
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 79.46 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.20 W/kg

SAR(1 g) = 4.8 W/kg; SAR(10 g) = 3.48 W/kg (SAR corrected for target medium)

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



0 dB = 5.49 W/kg = 7.40 dBW/kg

FILE NAME: [ICOM-558Q HEAD FA-SC61UC 496MHZ 136MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 496 \text{ MHz}$; $\sigma = 0.941 \text{ S/m}$; $\epsilon_r = 42.861$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Measurement Standard: DASY5 (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
- DASY52 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 10.3 W/kg

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

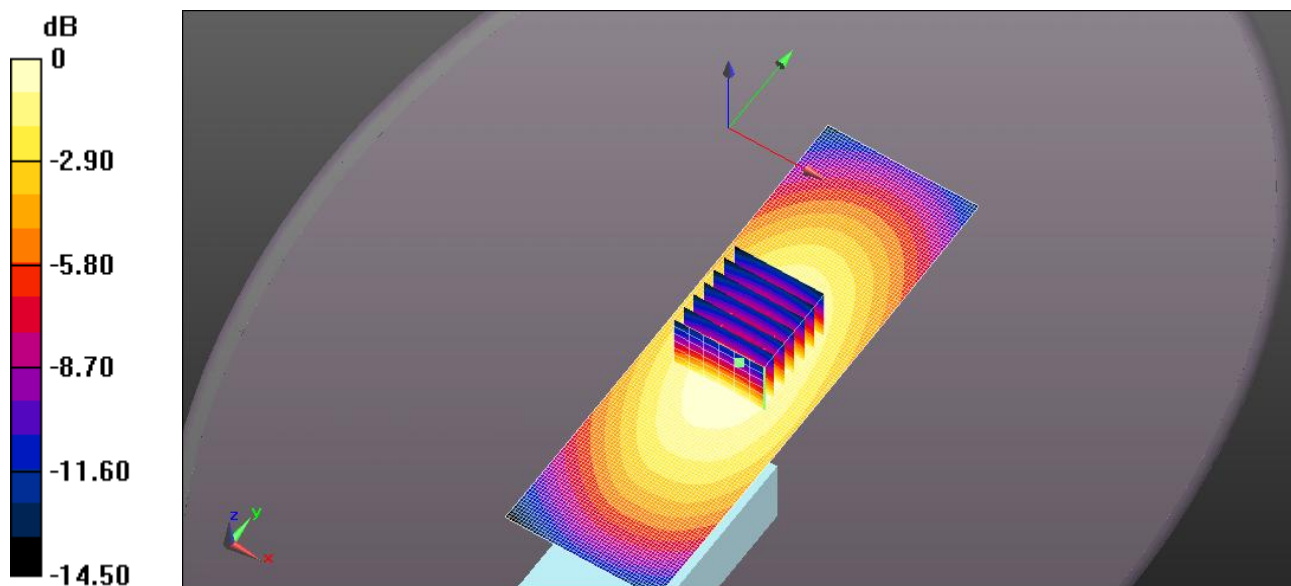
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 105.0 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 13.4 W/kg

SAR(1 g) = 8.73 W/kg ; SAR(10 g) = 6.31 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.5 W/kg



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

FILE NAME: ICOM-558Q HEAD FA-SC61UC 512MHZ 136MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 512 \text{ MHz}$; $\sigma = 0.955 \text{ S/m}$; $\epsilon_r = 42.637$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Measurement Standard: DASY5 (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
- DASY52 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 10.9 W/kg

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

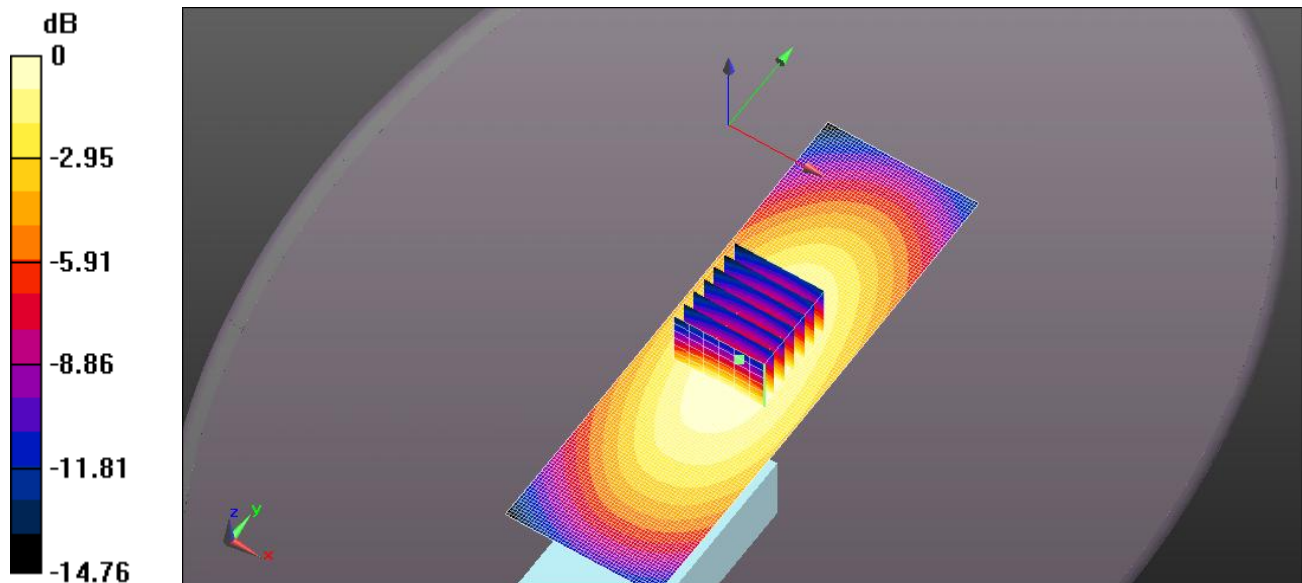
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 105.0 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 14.2 W/kg

SAR(1 g) = 8.97 W/kg ; SAR(10 g) = 6.46 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.9 W/kg



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

FILE NAME: [ICOM-558Q HEAD FA-SC61UC 500MHZ 129MM BP-280.DA52:0](#)

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 500 \text{ MHz}$; $\sigma = 0.944 \text{ S/m}$; $\epsilon_r = 42.795$; $\rho = 1000 \text{ kg/m}^3$; 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
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x151x1):

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

Maximum value of SAR (interpolated) = 9.93 W/kg

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

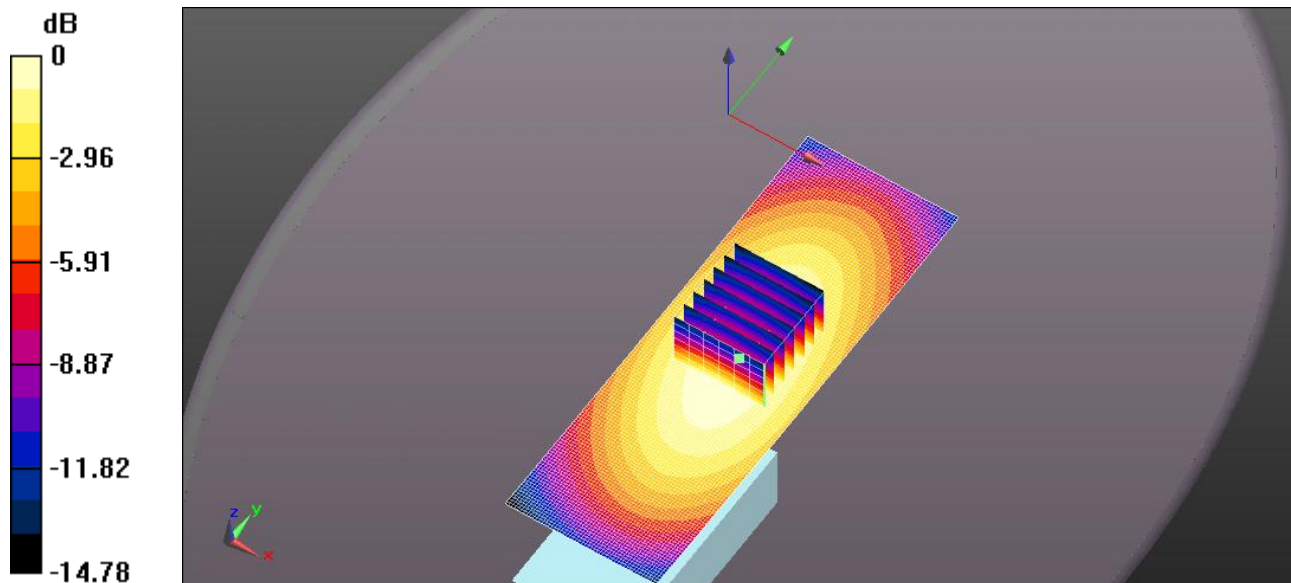
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 104.0 V/m ; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 7.81 W/kg ; SAR(10 g) = 5.61 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.44 W/kg



0 dB = 9.93 W/kg = 9.97 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 512MHZ 129MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 512 \text{ MHz}$; $\sigma = 0.955 \text{ S/m}$; $\epsilon_r = 42.637$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Measurement Standard: DASY5 (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
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x151x1):

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

Maximum value of SAR (interpolated) = 13.1 W/kg

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

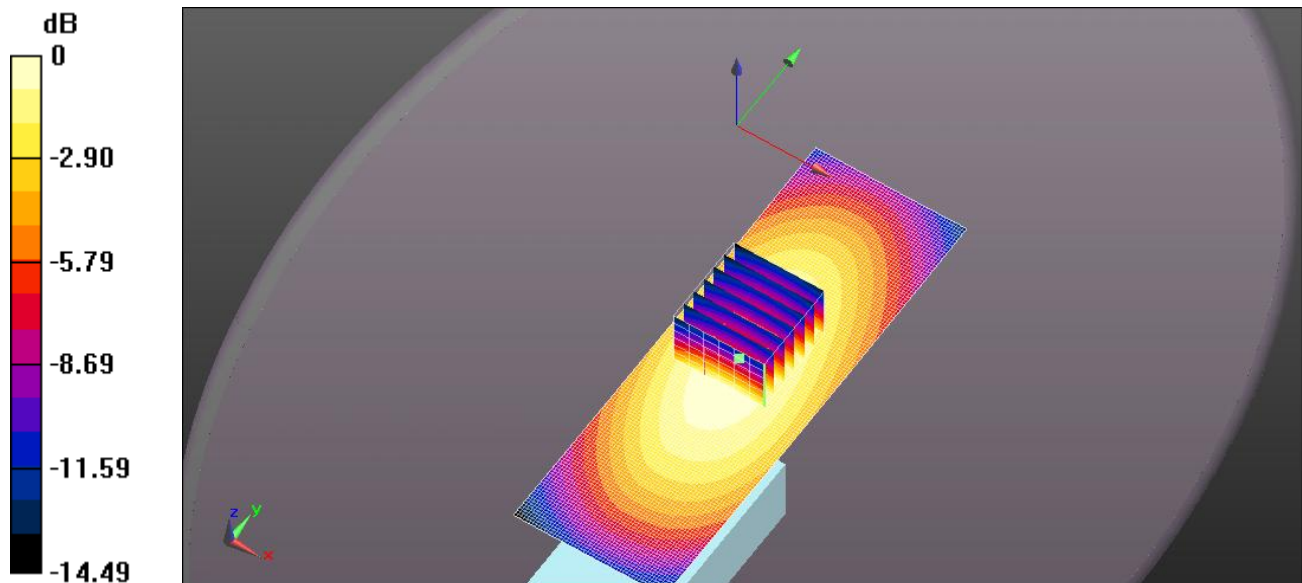
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 115.8 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 10.2 W/kg ; SAR(10 g) = 7.36 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 12.4 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 450MHZ 129MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 43.616$; $\rho = 1000$ 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
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x151x1):

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

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

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

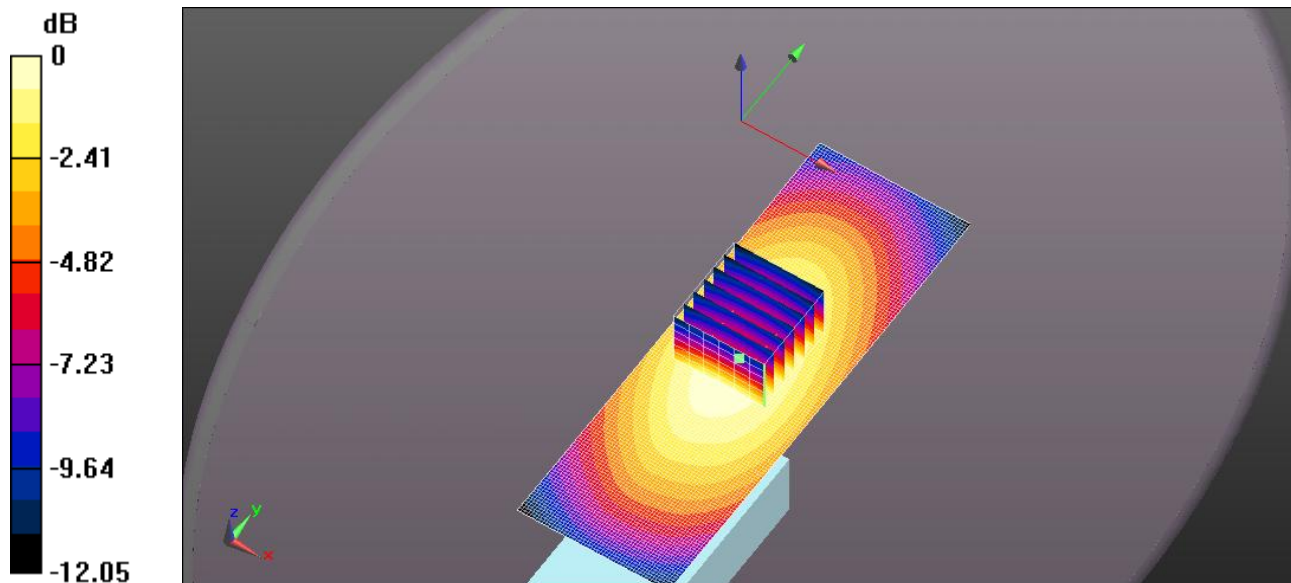
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 72.24 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 5.64 W/kg

SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.79 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.42 W/kg



0 dB = 4.62 W/kg = 6.65 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 465MHZ 129MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 465$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 43.368$; $\rho = 1000$ kg/m³; Phantom section:
Flat Section; Measurement Standard: DASY5 (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
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x151x1):

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

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

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

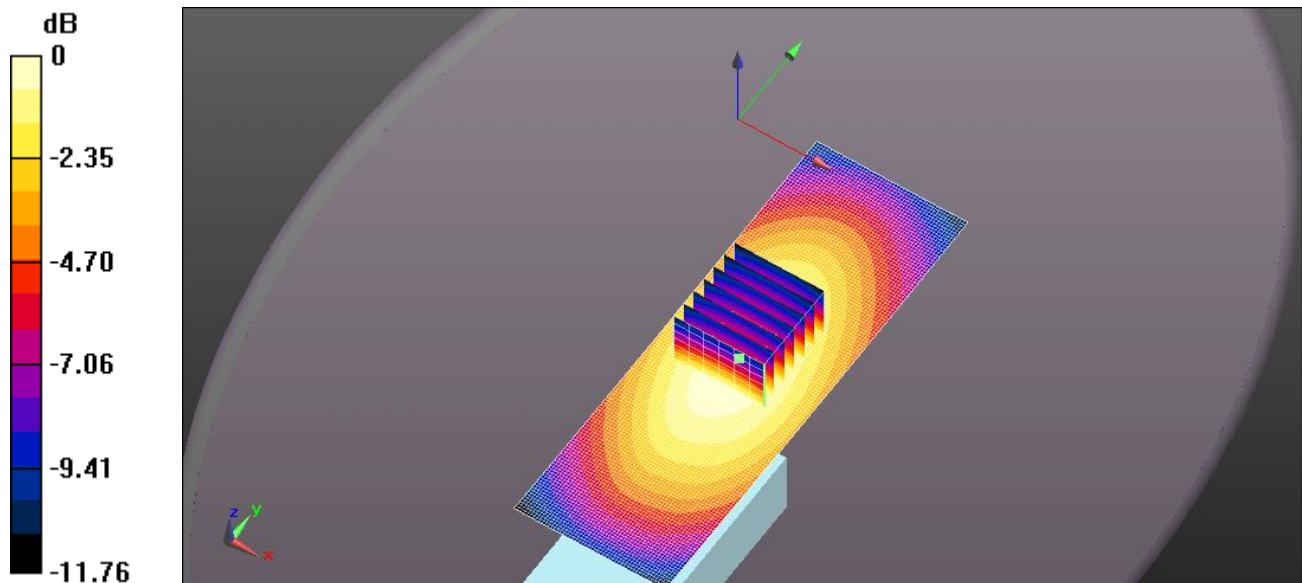
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 71.56 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 5.66 W/kg

SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2.72 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.41 W/kg



FILE NAME: ICOM-558Q HEAD FA-SC61UC 480MHZ 129MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 43.092$; $\rho = 1000$ 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 6.98 W/kg

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

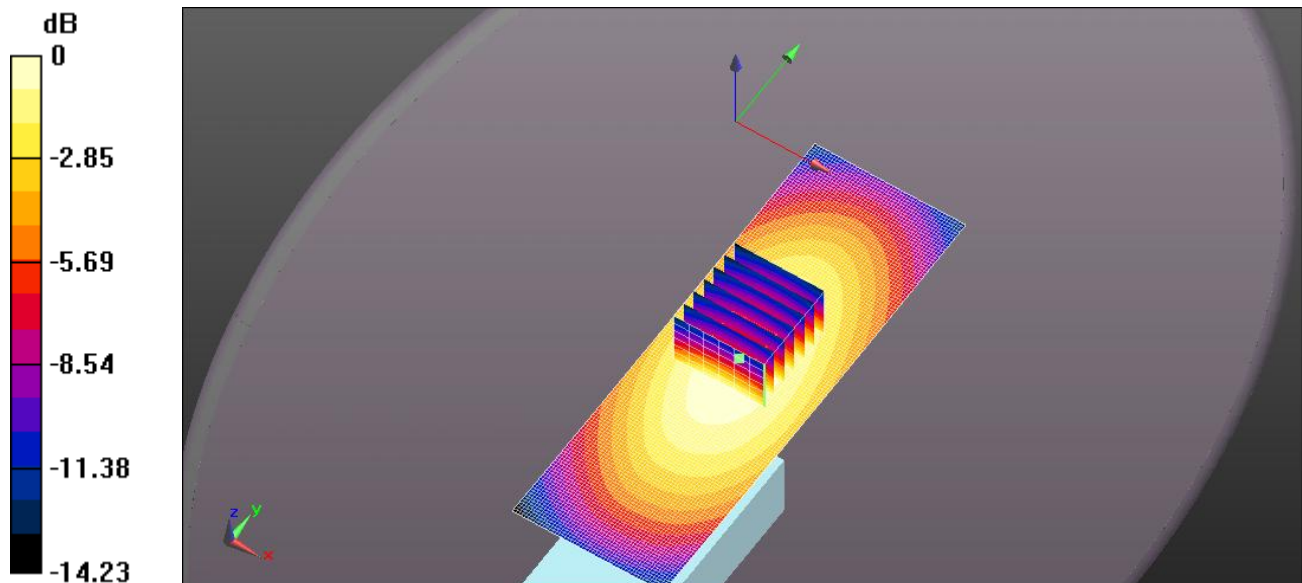
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 87.95 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 9.07 W/kg

SAR(1 g) = 5.92 W/kg; SAR(10 g) = 4.26 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.04 W/kg



FILE NAME: ICOM-558Q HEAD FA-SC61UC 512MHZ 125MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 0.955$ S/m; $\epsilon_r = 42.637$; $\rho = 1000$ kg/m³ ;
Phantom section: Flat Section ; Measurement Standard: DASY5 (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
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x151x1):

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

Maximum value of SAR (interpolated) = 11.8 W/kg

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

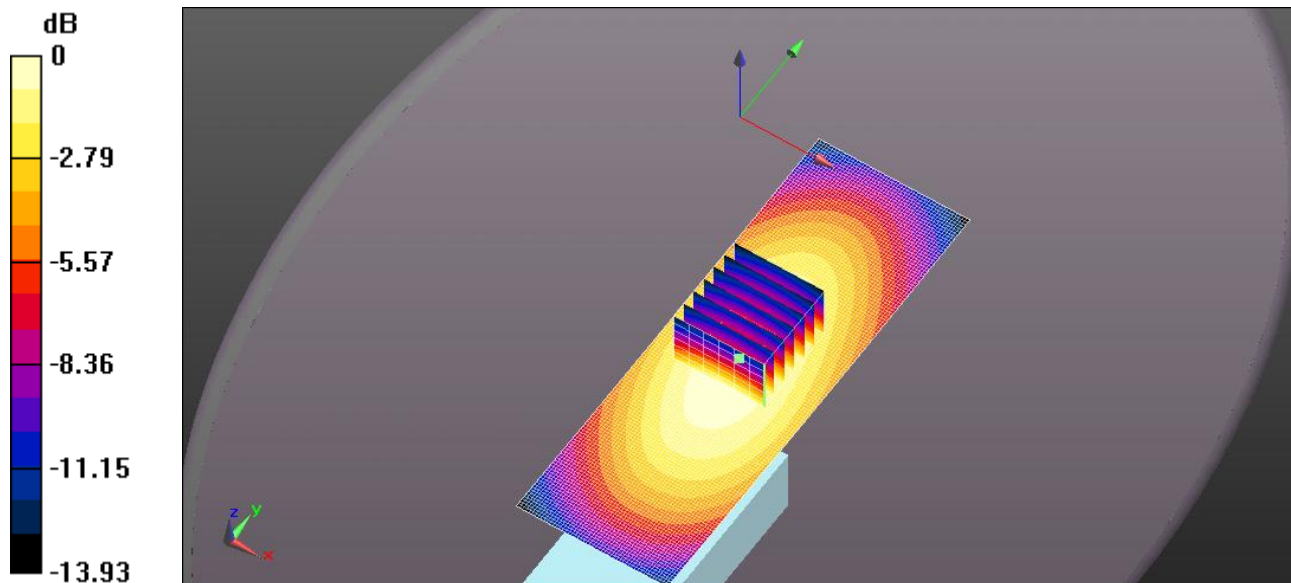
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 111.3 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 15.2 W/kg

SAR(1 g) = 9.58 W/kg; SAR(10 g) = 6.89 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 11.8 W/kg = 10.72 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 496MHZ 125MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 496 \text{ MHz}$; $\sigma = 0.941 \text{ S/m}$; $\epsilon_r = 42.861$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section ; Measurement Standard: DASY5 (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
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x151x1):

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

Maximum value of SAR (interpolated) = 7.95 W/kg

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

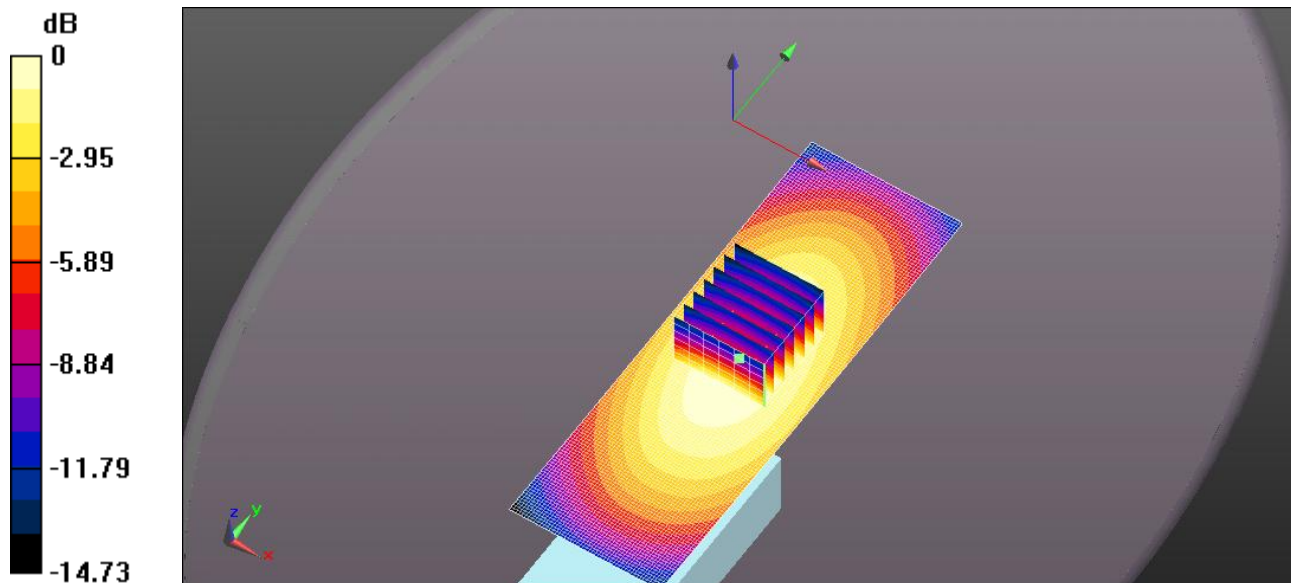
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 93.00 V/m ; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 6.76 W/kg ; SAR(10 g) = 4.88 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.14 W/kg



0 dB = 7.95 W/kg = 9.01 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 480MHZ 125MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 43.092$; $\rho = 1000$ 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
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x151x1):

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

Maximum value of SAR (interpolated) = 5.78 W/kg

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

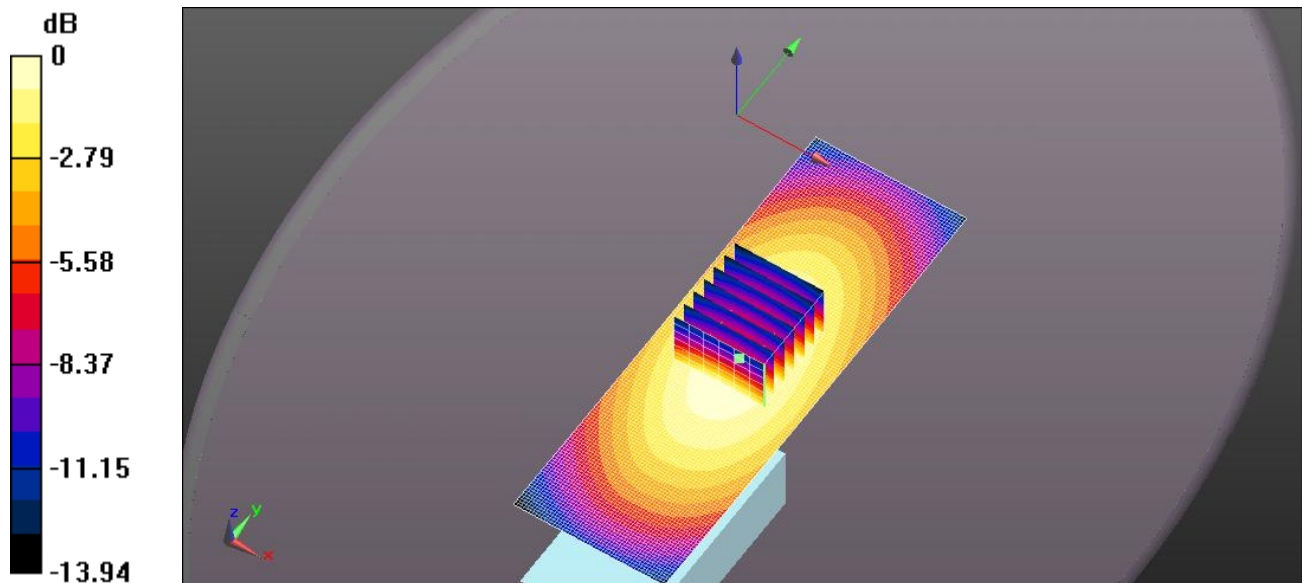
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 79.63 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 7.54 W/kg

SAR(1 g) = 4.97 W/kg; SAR(10 g) = 3.6 W/kg (SAR corrected for target medium)

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



0 dB = 5.78 W/kg = 7.62 dBW/kg

FILE NAME: ICOM-558Q HEAD FA-SC61UC 465MHZ 125MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 465$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 43.368$; $\rho = 1000$ 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
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x151x1):

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

Maximum value of SAR (interpolated) = 3.96 W/kg

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

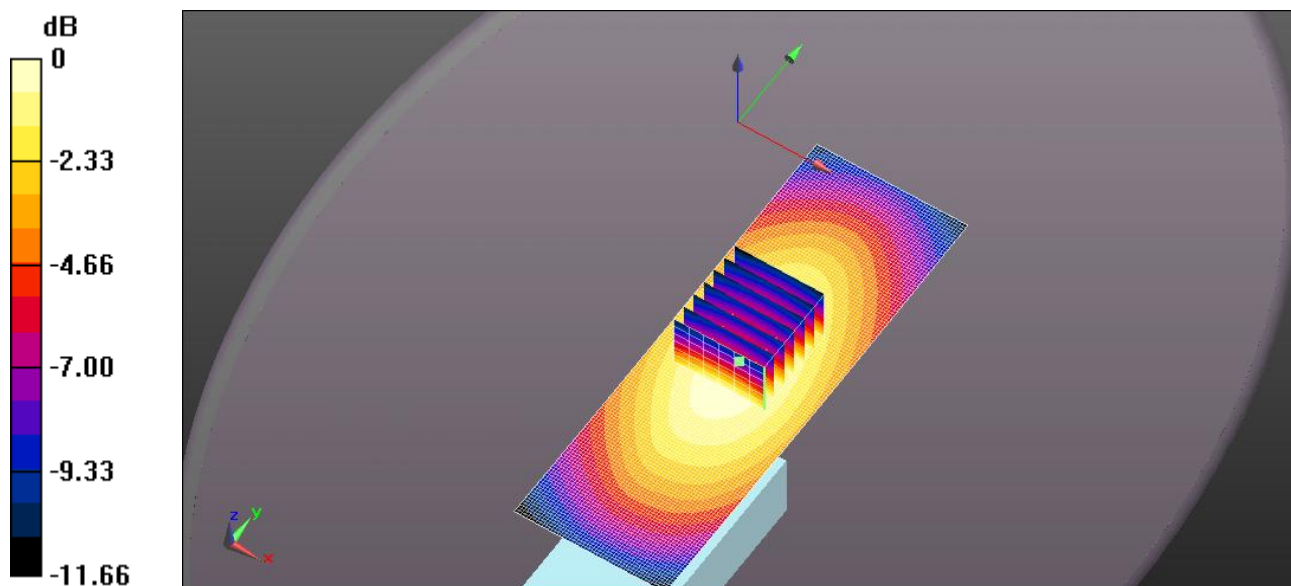
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 68.21 V/m; Power Drift = -0.36 dB

Peak SAR (extrapolated) = 4.90 W/kg

SAR(1 g) = 3.27 W/kg; SAR(10 g) = 2.37 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.83 W/kg



FILE NAME: ICOM-558Q HEAD FA-SC61UC 450MHZ 125MM BP-280.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 43.616$; $\rho = 1000$ 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
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Configuration_Head, IC-F2100DT/Head Front, P=5W, d=25mm/Area Scan (51x151x1):

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)

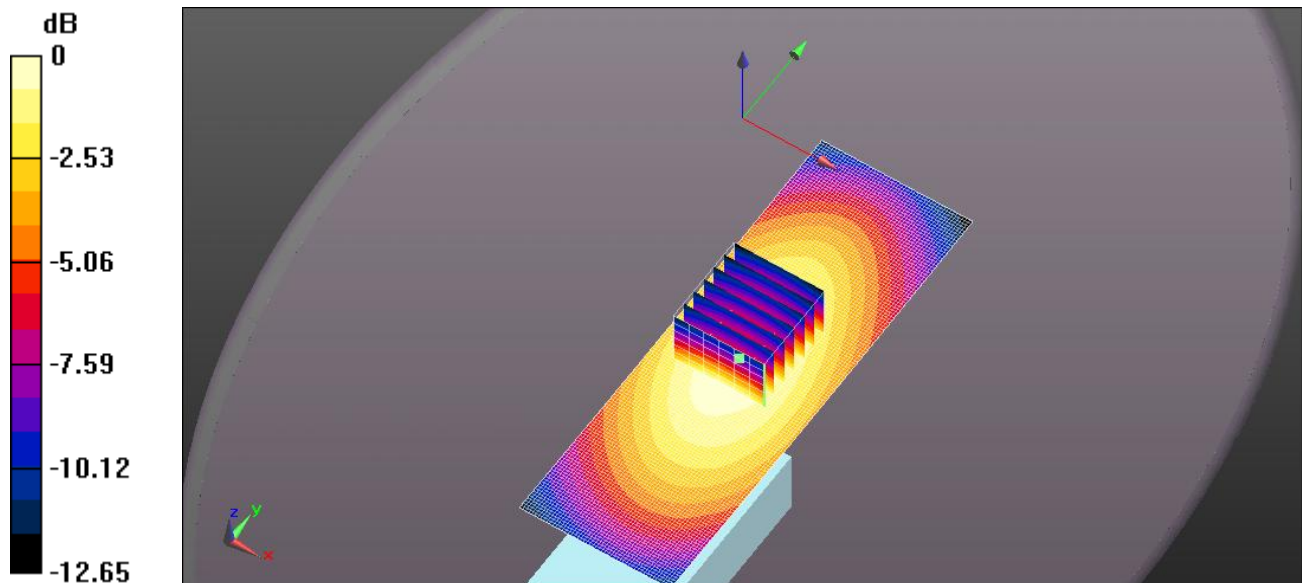
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 65.83 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.76 W/kg

SAR(1 g) = 3.25 W/kg; SAR(10 g) = 2.36 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.75 W/kg



0 dB = 3.81 W/kg = 5.81 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)
				BP-279	BP-279	
			(MHz)	1570mAh	1570mAh	
FA-SC57U 430-470 MHz	5.17	1	450	8.25	5.85	-0.03
	5.07	2	460	9.23	6.52	0.1
	4.97	4	470	8.23	5.86	-0.12
FA-SC72U 470-520 MHz	4.97	4	470	7.18	5.09	-0.16
	4.80	6	490	11	7.81	-0.13
	4.90	9	512	9.57	6.8	-0.97
FA-SC73US 450-490 MHz	5.17	1	450	5.53	3.89	-0.09
	4.97	4	470	**	**	**
	4.80	6	490	3.34	2.36	-0.39
FA-SC26US 400-450 MHz	5.17	1	450	2.94	2.07	-0.12

** 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 (dB)
				BP-279	BP-279	
			(MHz)	1570mAh	1570mAh	
FA-SC61UC 440MHz 148mm	5.17	1	450	10.9	7.74	-0.57
	5.07	2	460	8.39	5.94	-0.36
	4.85	5	480	7.86	5.58	0
	4.86	7	496	5.13	3.63	-0.13
	4.90	9	512	4.3	3.05	0.57
FA-SC61UC 460MHz 142mm	5.17	1	450	10.2	7.24	-0.15
	5.07	2	460	9.24	6.53	-0.47
	4.85	5	480	9.53	6.74	-0.49
	4.86	7	496	7.52	5.32	-0.05
	4.90	9	512	5.64	4	0.38
FA-SC61UC 480MHz 136mm	5.17	1	450	7.62	5.4	-0.51
	5.02	3	465	7.22	5.13	-0.03
	4.85	5	480	9.75	6.93	-0.11
	4.86	7	496	9.72	6.88	-0.8
	4.90	9	512	8.03	5.7	-0.3
FA-SC61UC 500MHz 129mm	5.17	1	450	5.22	3.71	-0.19
	5.02	3	465	6.46	4.56	-0.17
	4.85	5	480	8.22	5.83	-0.02
	4.89	8	500	10.5	7.45	-0.23
	4.90	9	512	9.53	6.77	-1.33
FA-SC61UC 520MHz 125mm	5.17	1	450	4.32	3.06	-0.25
	5.02	3	465	5.71	4.04	-0.48
	4.85	5	480	6.49	4.6	0.19
	4.86	7	496	9.29	6.56	0.29
	4.90	9	512	10.8	7.66	-0.77

** SAR Test Reduction Applied For PTT Radio

FILE NAME: ICOM-558Q BODY FA-SC57U 450MHZ BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.976$ S/m; $\epsilon_r = 55.608$; $\rho = 1000$ 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) = 9.50 W/kg

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

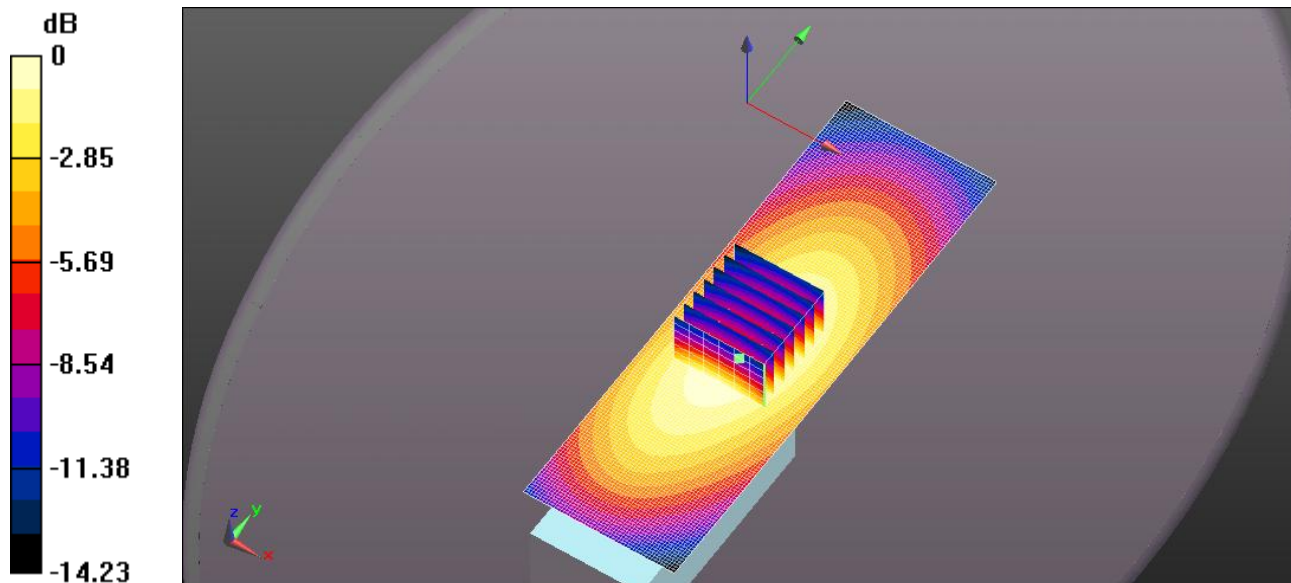
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 100.2 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 12.6 W/kg

SAR(1 g) = 8.25 W/kg; SAR(10 g) = 5.85 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.69 W/kg



FILE NAME: ICOM-558Q BODY FA-SC57U 460MHZ BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.993$ S/m; $\epsilon_r = 55.554$; $\rho = 1000$ 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) = 10.9 W/kg

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

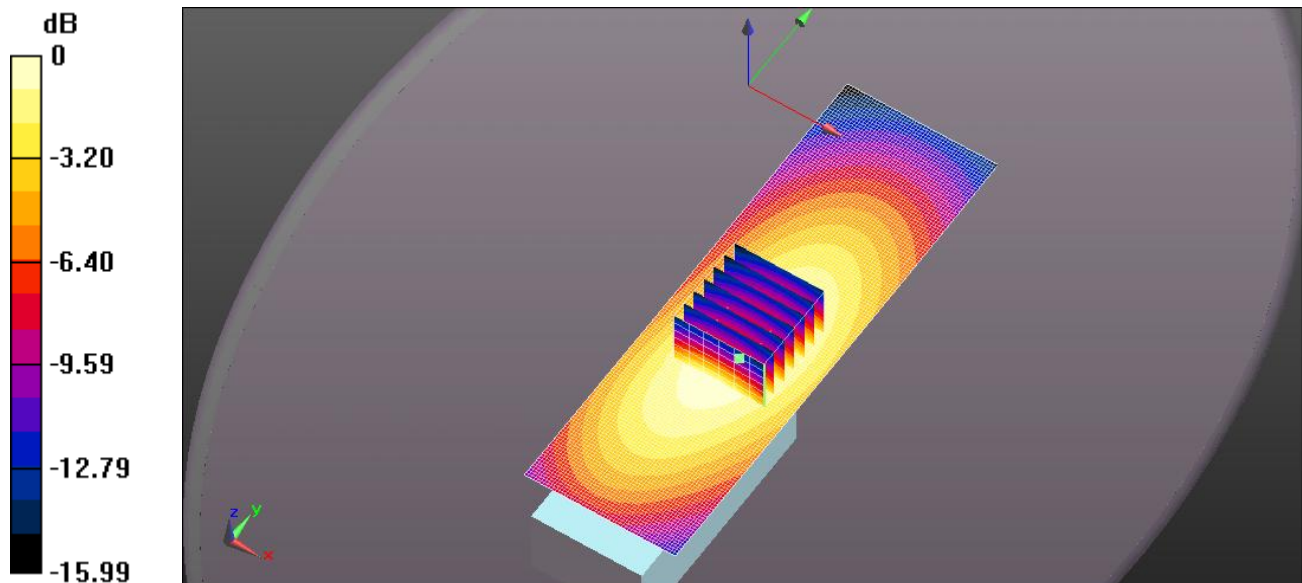
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 102.0 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 14.3 W/kg

SAR(1 g) = 9.23 W/kg; SAR(10 g) = 6.52 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.0 W/kg



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

FILE NAME: ICOM-558Q BODY FA-SC57U 470MHZ BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 55.474$; $\rho = 1000$ 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
- 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) = 10.1 W/kg

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

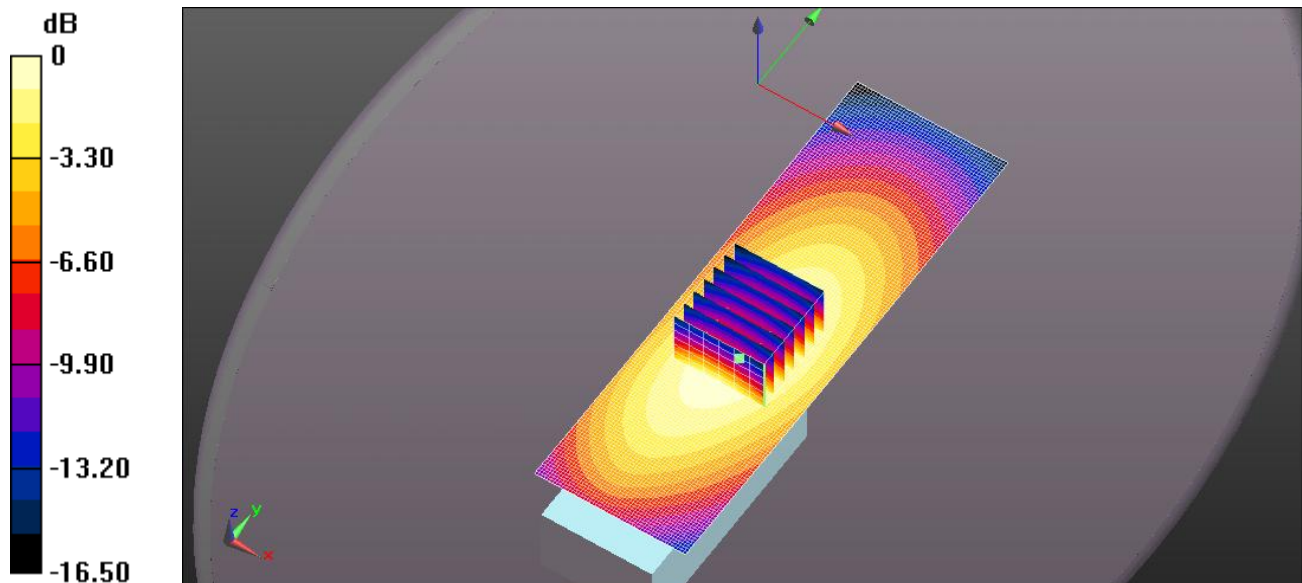
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 99.91 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 12.9 W/kg

SAR(1 g) = 8.23 W/kg; SAR(10 g) = 5.86 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.91 W/kg



0 dB = 10.1 W/kg = 10.05 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC72U 470MHZ BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 55.474$; $\rho = 1000$ 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
- 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) = 8.87 W/kg

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

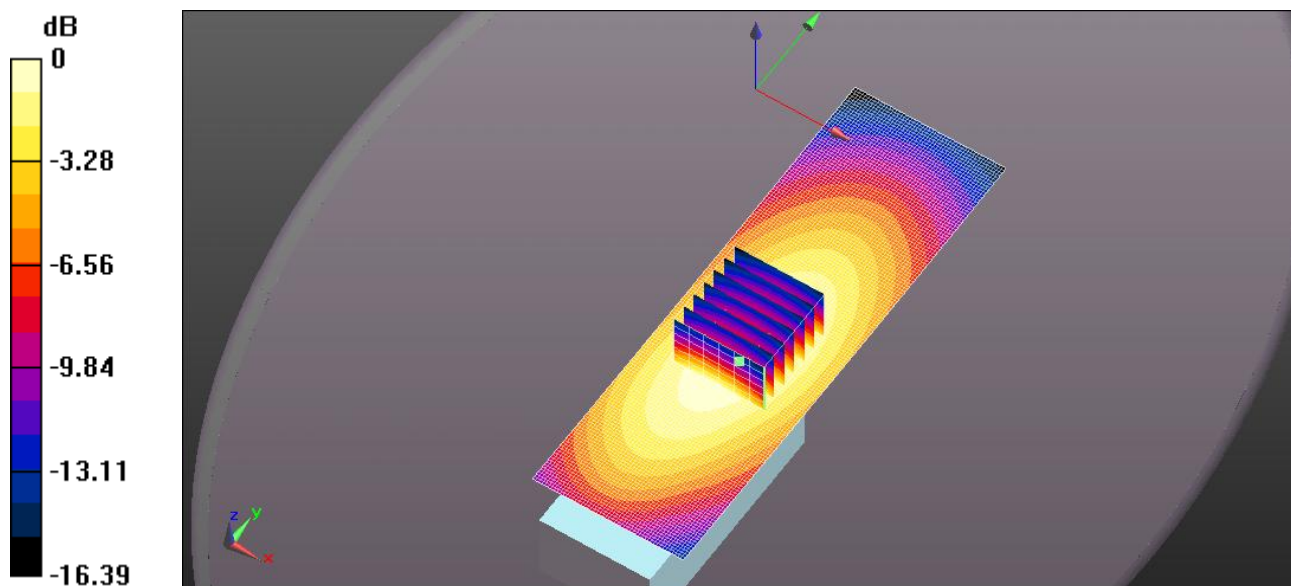
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 93.07 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 7.18 W/kg; SAR(10 g) = 5.09 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.69 W/kg



0 dB = 8.87 W/kg = 9.48 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC72U 512MHZ BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 512 \text{ MHz}$; $\sigma = 1.052 \text{ S/m}$; $\epsilon_r = 55.468$; $\rho = 1000 \text{ kg/m}^3$;

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

Maximum value of SAR (interpolated) = 13.2 W/kg

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

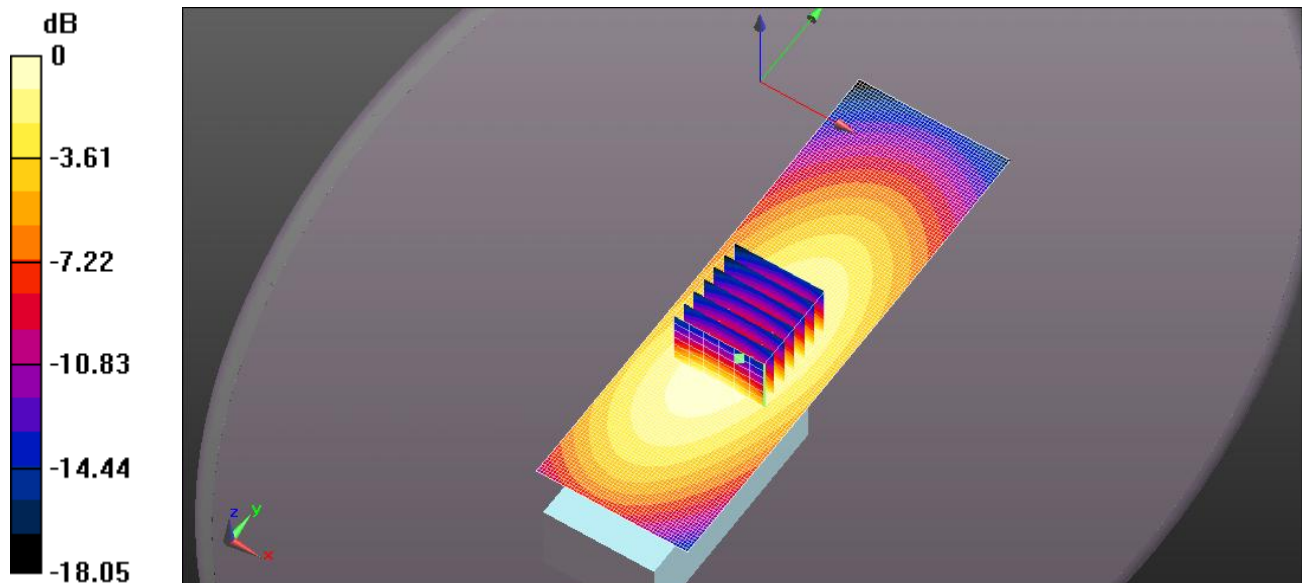
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 112.8 V/m ; Power Drift = -0.97 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 9.57 W/kg ; SAR(10 g) = 6.8 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.9 W/kg



0 dB = 13.2 W/kg = 11.21 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC72U 490MHZ BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 490$ MHz; $\sigma = 1.037$ S/m; $\epsilon_r = 55.57$; $\rho = 1000$ 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
- 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) = 13.6 W/kg

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

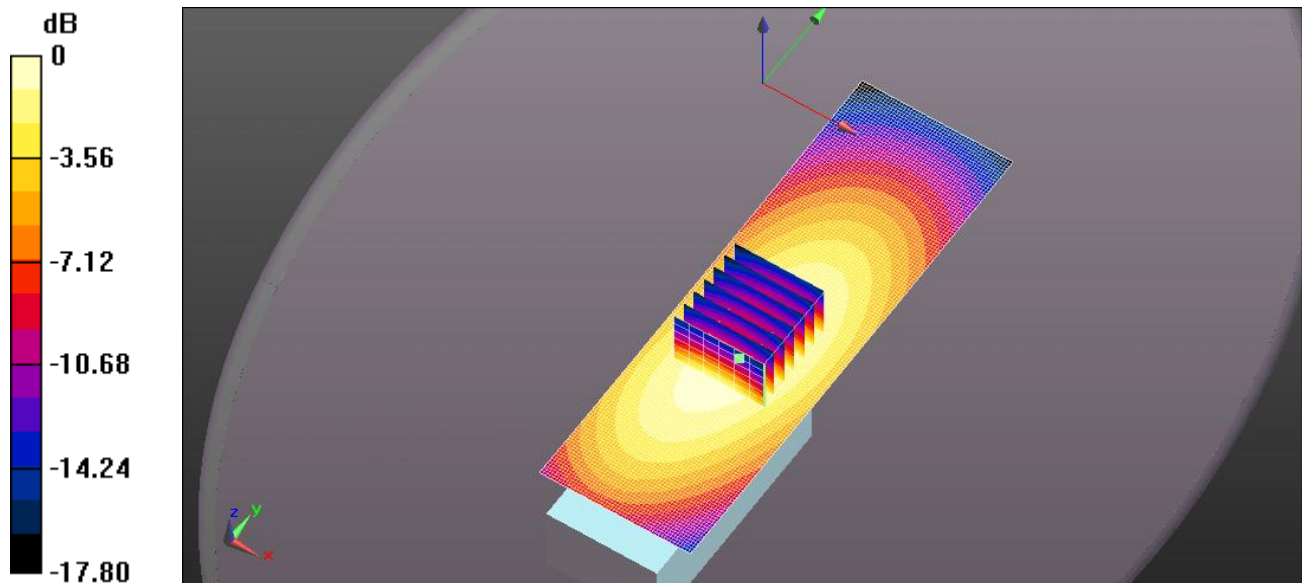
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 114.6 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 11 W/kg; SAR(10 g) = 7.81 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 13.5 W/kg



0 dB = 13.6 W/kg = 11.34 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC73US 450MHZ BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.976$ S/m; $\epsilon_r = 55.608$; $\rho = 1000$ 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
- DASY52 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) = 6.31 W/kg

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

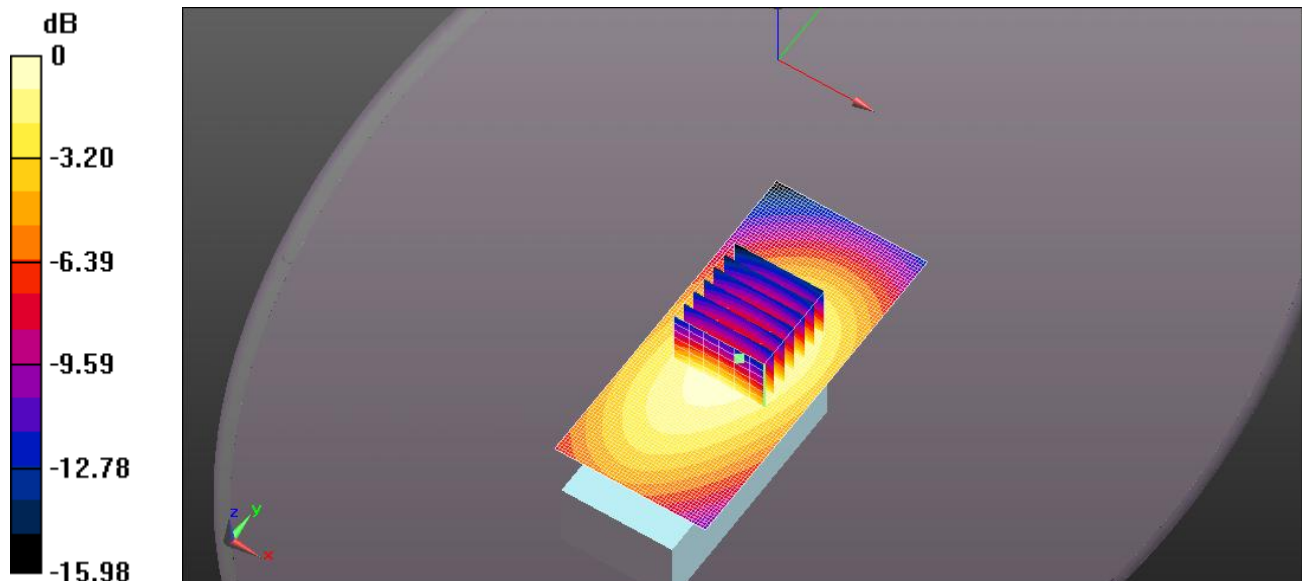
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 70.49 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 8.46 W/kg

SAR(1 g) = 5.53 W/kg; SAR(10 g) = 3.89 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.52 W/kg



0 dB = 6.31 W/kg = 8.00 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC73US 490MHZ BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 490 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 490$ MHz; $\sigma = 1.037$ S/m; $\epsilon_r = 55.57$; $\rho = 1000$ 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
- DASY52 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) = 4.05 W/kg

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

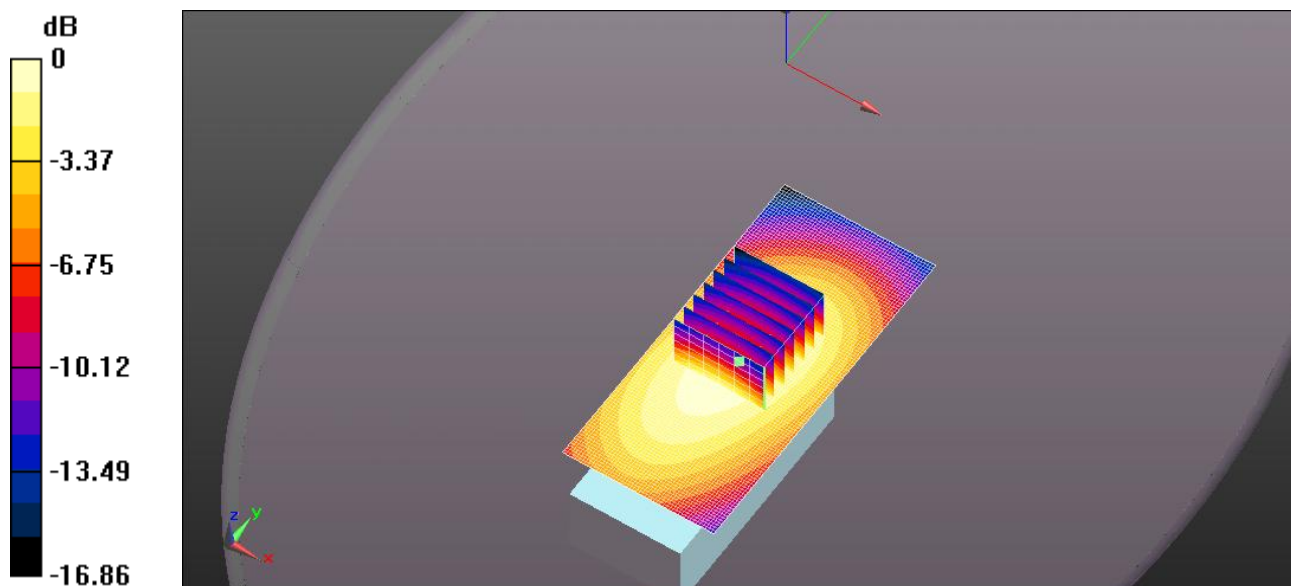
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 57.24 V/m; Power Drift = -0.39 dB

Peak SAR (extrapolated) = 5.38 W/kg

SAR(1 g) = 3.34 W/kg; SAR(10 g) = 2.36 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 4.13 W/kg



FILE NAME: ICOM-558Q BODY FA-SC26US 450MHZ BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.976 \text{ S/m}$; $\epsilon_r = 55.608$; $\rho = 1000 \text{ kg/m}^3$; 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 (51x111x1):

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

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

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

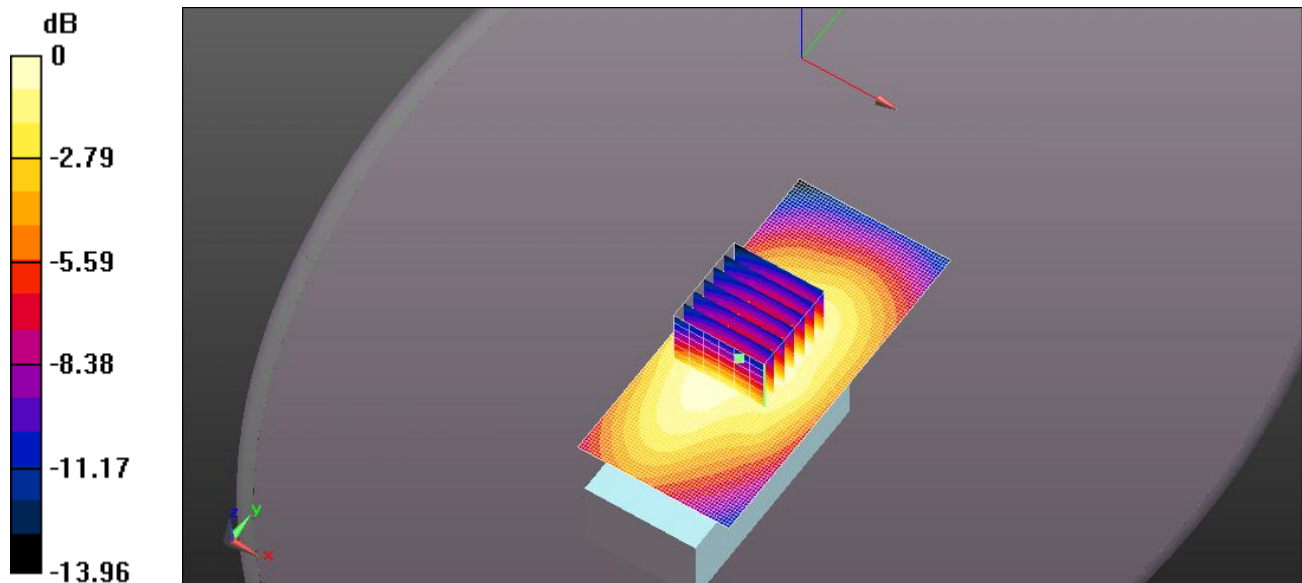
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.80 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.49 W/kg

SAR(1 g) = 2.94 W/kg ; SAR(10 g) = 2.07 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 3.43 W/kg



0 dB = 3.37 W/kg = 5.27 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 450MHZ 148MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.976$ S/m; $\epsilon_r = 55.608$; $\rho = 1000$ 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 12.7 W/kg

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

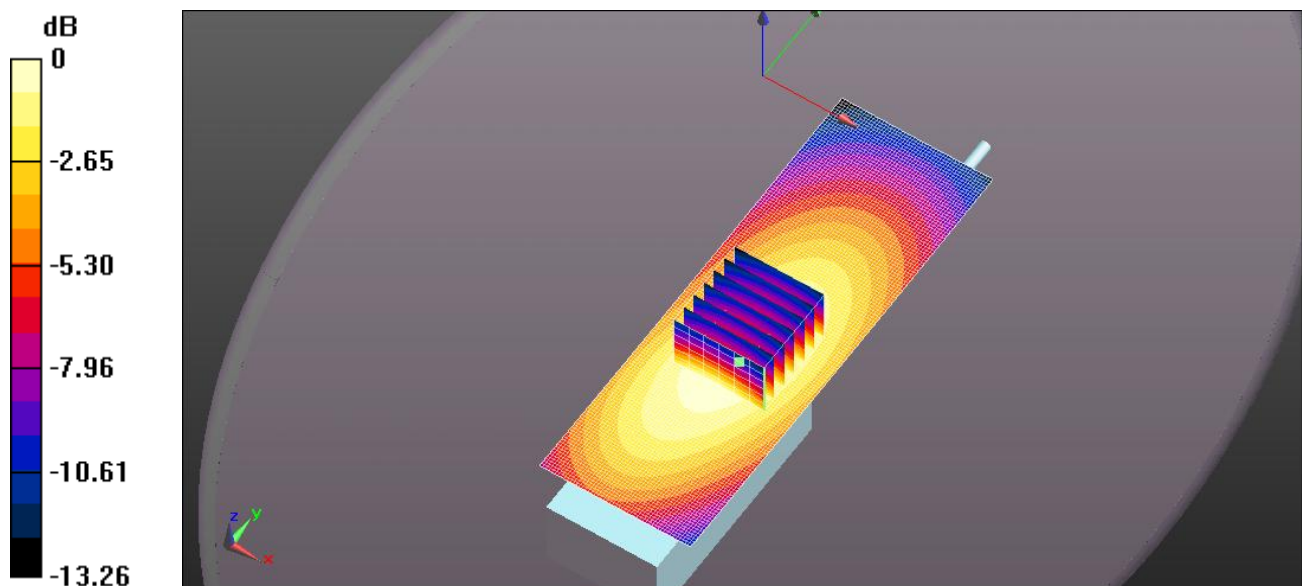
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 115.3 V/m; Power Drift = -0.57 dB

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 10.9 W/kg; SAR(10 g) = 7.74 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 12.7 W/kg



0 dB = 12.7 W/kg = 11.03 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 460MHZ 148MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.993$ S/m; $\epsilon_r = 55.554$; $\rho = 1000$ 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 9.71 W/kg

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

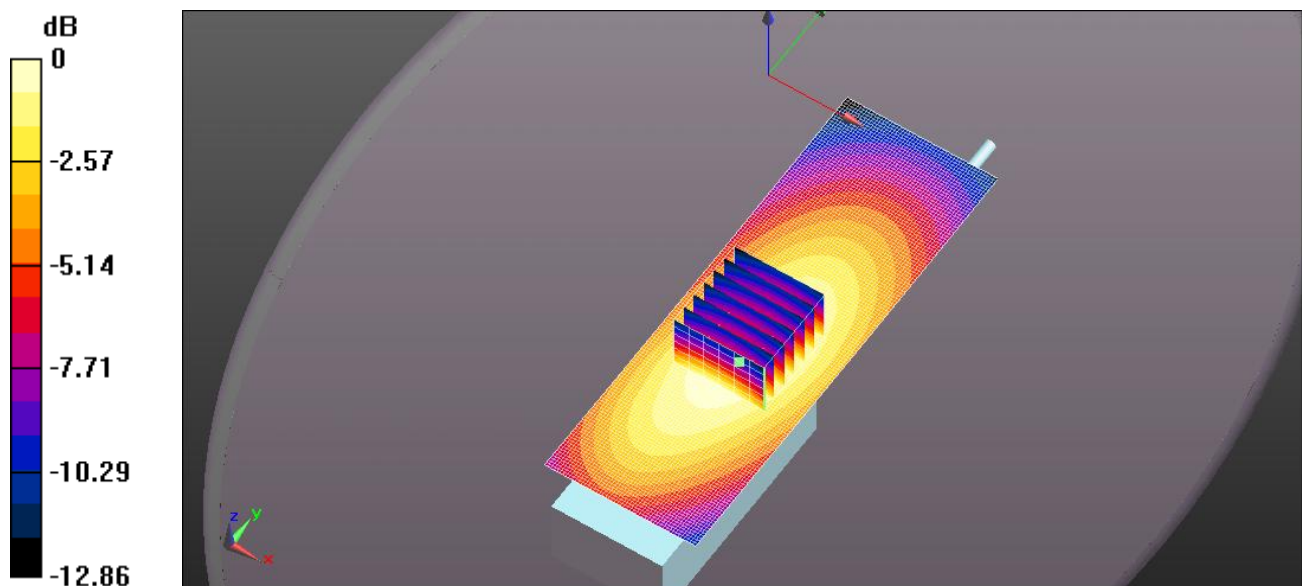
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 100.1 V/m; Power Drift = -0.36 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(1 g) = 8.39 W/kg; SAR(10 g) = 5.94 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.0 W/kg



FILE NAME: ICOM-558Q BODY FA-SC61UC 480MHZ 148MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480 \text{ MHz}$; $\sigma = 1.024 \text{ S/m}$; $\epsilon_r = 55.514$; $\rho = 1000 \text{ kg/m}^3$; 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 9.07 W/kg

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

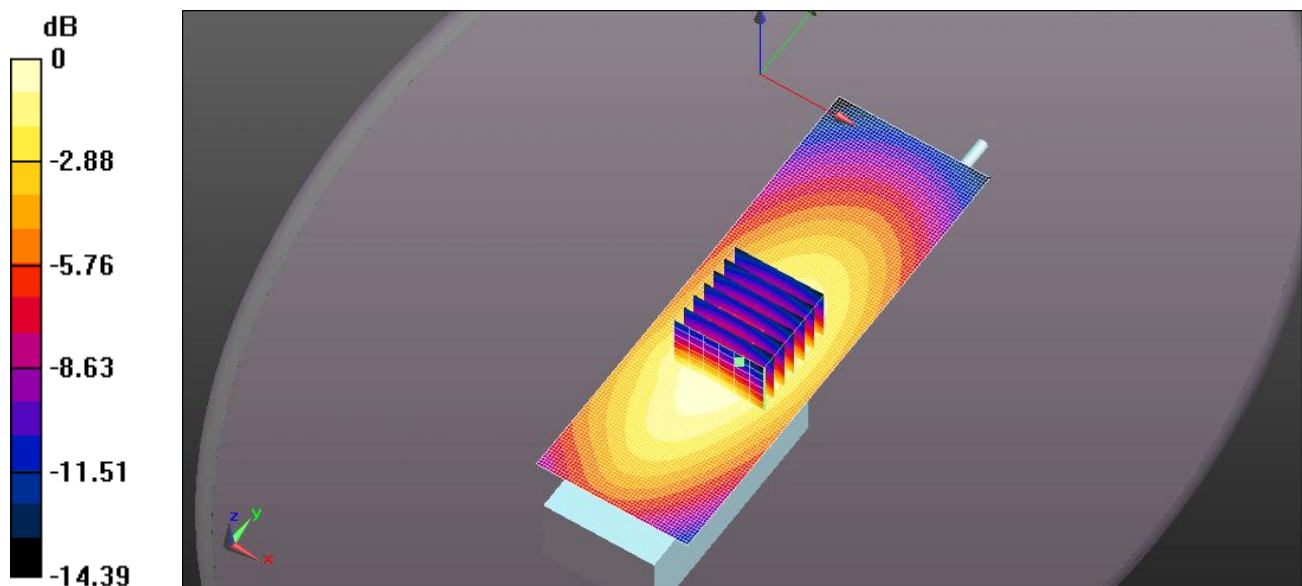
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 92.84 V/m ; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 7.86 W/kg ; SAR(10 g) = 5.58 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.53 W/kg



0 dB = 9.07 W/kg = 9.57 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 496MHZ 148MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 496 \text{ MHz}$; $\sigma = 1.041 \text{ S/m}$; $\epsilon_r = 55.584$; $\rho = 1000 \text{ kg/m}^3$;
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 (51x151x1):

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

Maximum value of SAR (interpolated) = 6.14 W/kg

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

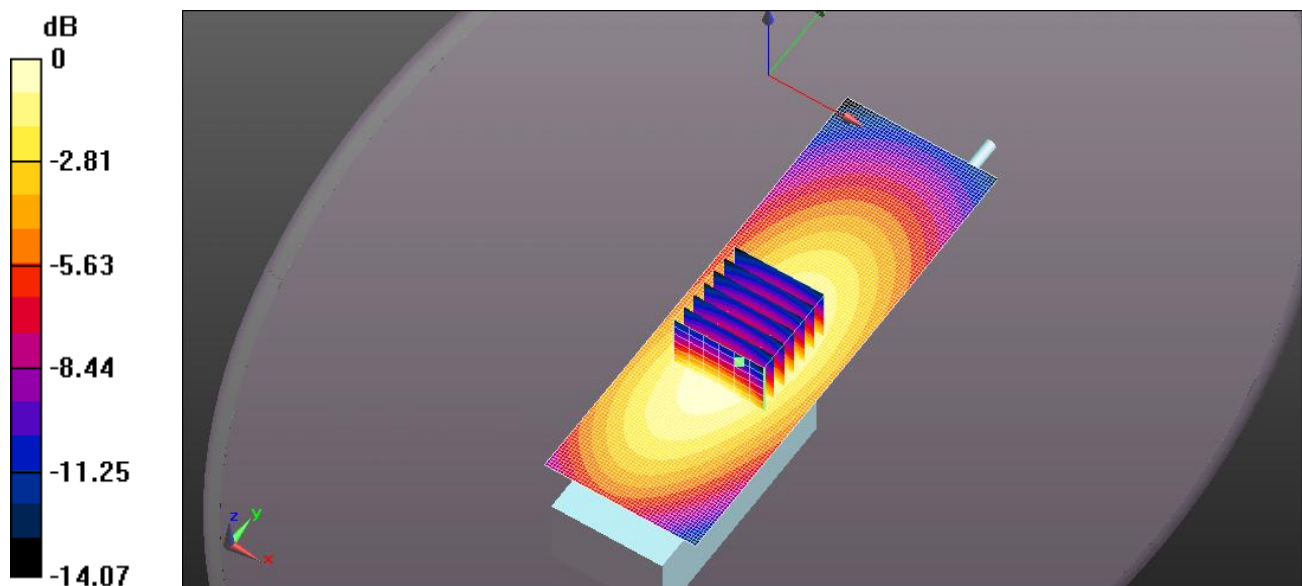
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 75.89 V/m ; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 8.30 W/kg

SAR(1 g) = 5.13 W/kg ; SAR(10 g) = 3.63 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.36 W/kg



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

FILE NAME: ICOM-558Q BODY FA-SC61UC 512MHZ 148MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 1.052$ S/m; $\epsilon_r = 55.468$; $\rho = 1000$ 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 4.85 W/kg

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

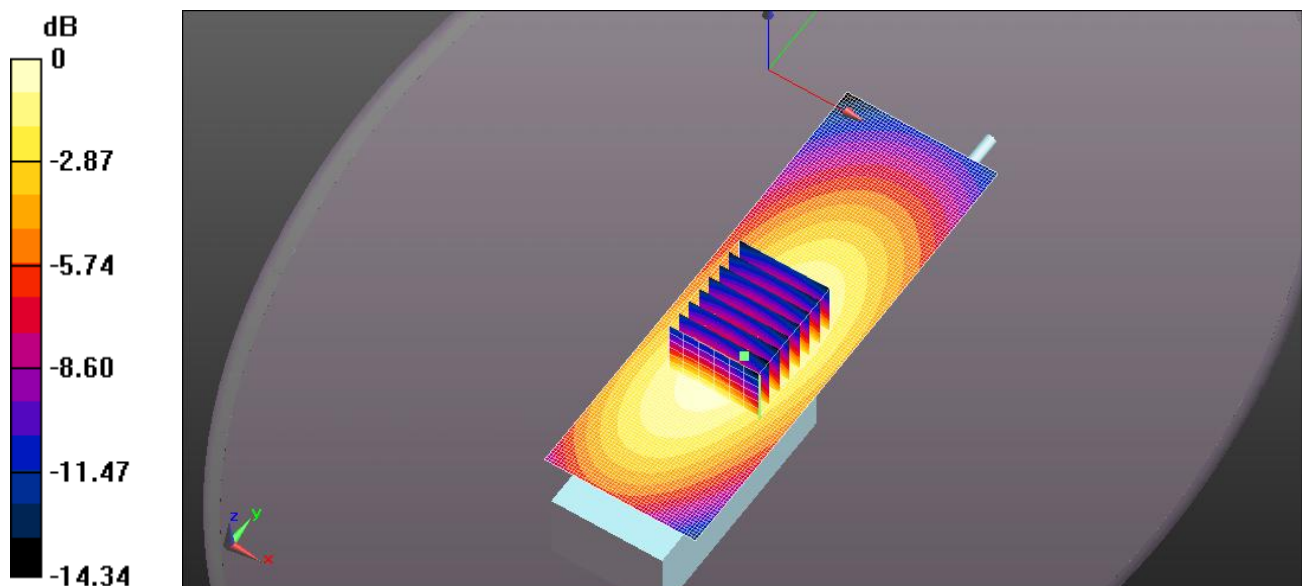
(7x8x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 65.76 V/m; Power Drift = 0.56 dB

Peak SAR (extrapolated) = 6.99 W/kg

SAR(1 g) = 4.3 W/kg; SAR(10 g) = 3.05 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.34 W/kg



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

FILE NAME: ICOM-558Q BODY FA-SC61UC 460MHZ 142MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460$ MHz; $\sigma = 0.993$ S/m; $\epsilon_r = 55.554$; $\rho = 1000$ 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) = 10.9 W/kg

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

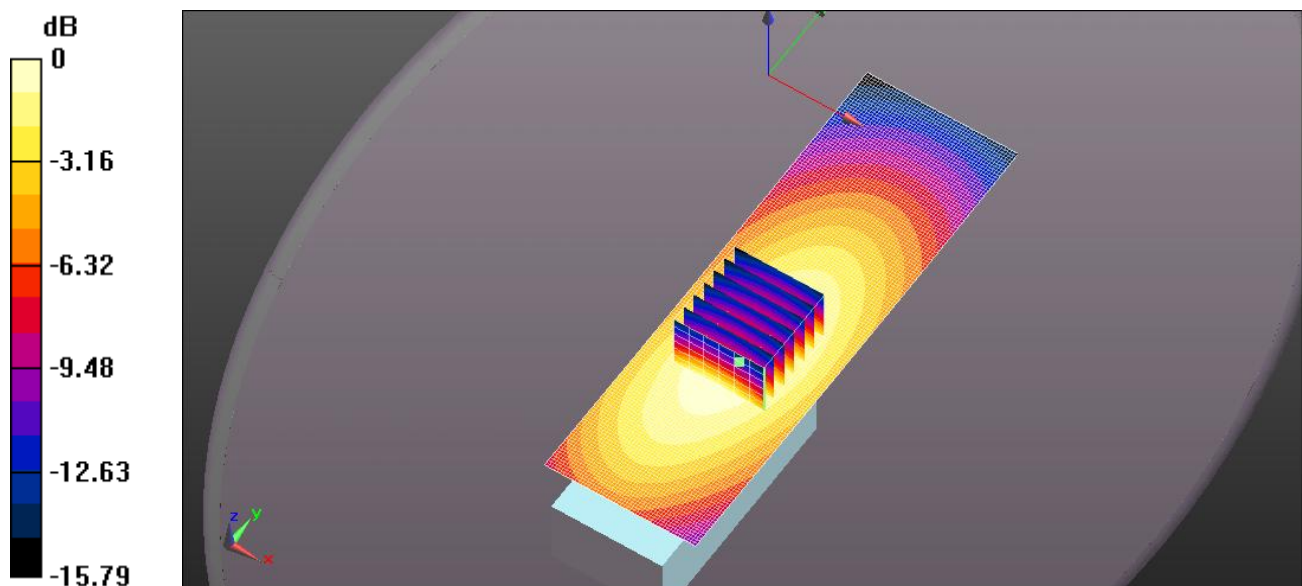
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 106.2 V/m; Power Drift = -0.47 dB

Peak SAR (extrapolated) = 14.4 W/kg

SAR(1 g) = 9.24 W/kg; SAR(10 g) = 6.53 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.1 W/kg



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

FILE NAME: ICOM-558Q BODY FA-SC61UC 450MHZ 142MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.976 \text{ S/m}$; $\epsilon_r = 55.608$; $\rho = 1000 \text{ kg/m}^3$; 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) = 11.7 W/kg

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

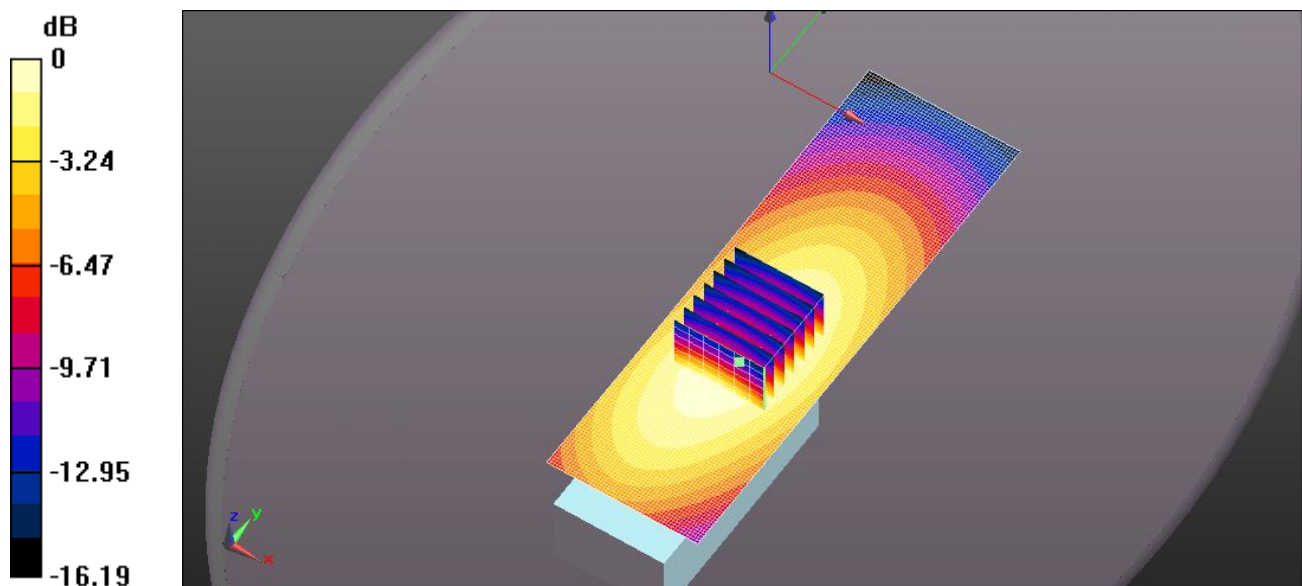
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 107.0 V/m ; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 10.2 W/kg ; SAR(10 g) = 7.24 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.9 W/kg



0 dB = 11.7 W/kg = 10.68 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 480MHZ 142MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480 \text{ MHz}$; $\sigma = 1.024 \text{ S/m}$; $\epsilon_r = 55.514$; $\rho = 1000 \text{ kg/m}^3$; 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 12.0 W/kg

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

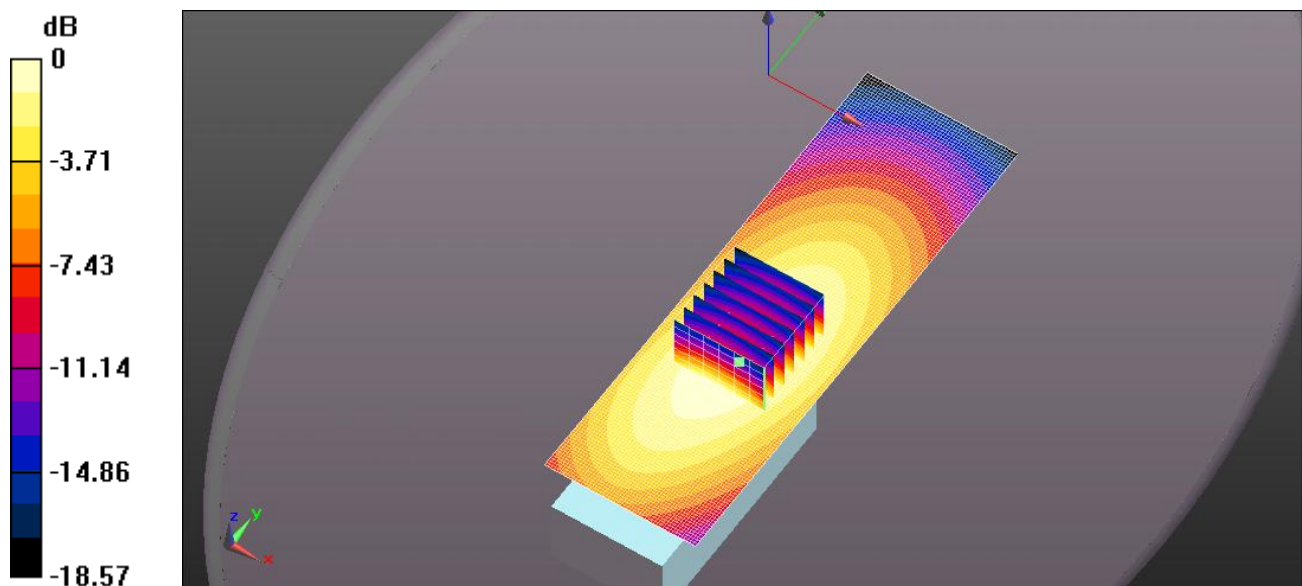
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 106.6 V/m ; Power Drift = -0.49 dB

Peak SAR (extrapolated) = 15.2 W/kg

SAR(1 g) = 9.53 W/kg ; SAR(10 g) = 6.74 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 12.0 W/kg = 10.79 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 496MHZ 142MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 496$ MHz; $\sigma = 1.041$ S/m; $\epsilon_r = 55.584$; $\rho = 1000$ 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) = 8.87 W/kg

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

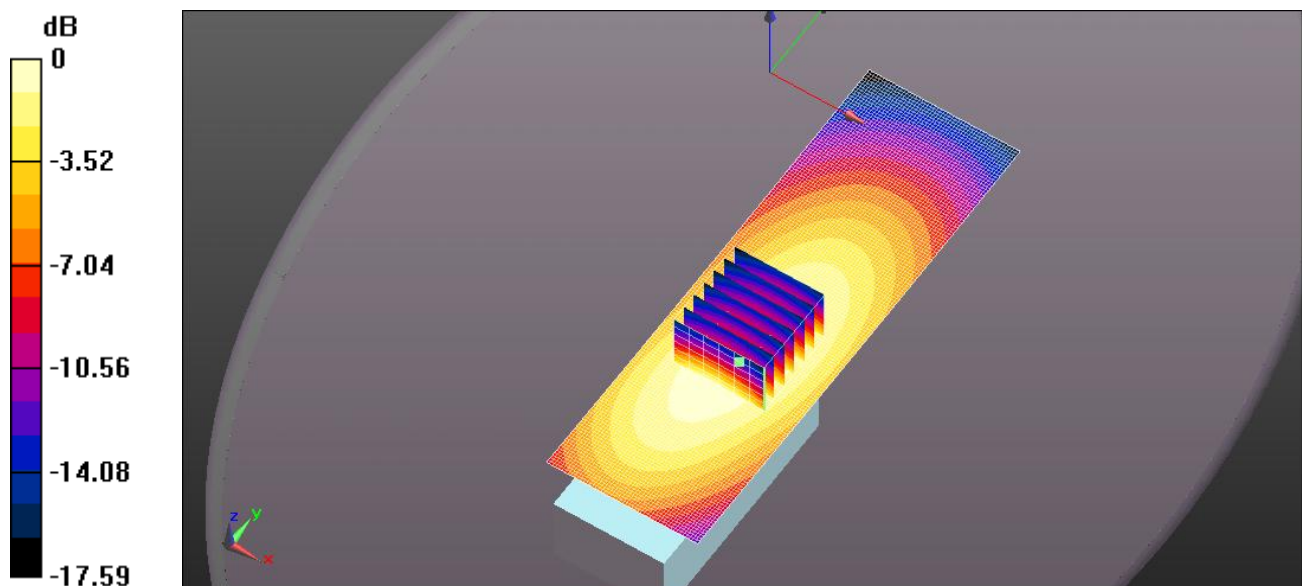
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 90.82 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 7.52 W/kg; SAR(10 g) = 5.32 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.32 W/kg



FILE NAME: ICOM-558Q BODY FA-SC61UC 512MHZ 142MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 1.052$ S/m; $\epsilon_r = 55.468$; $\rho = 1000$ 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) = 6.45 W/kg

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

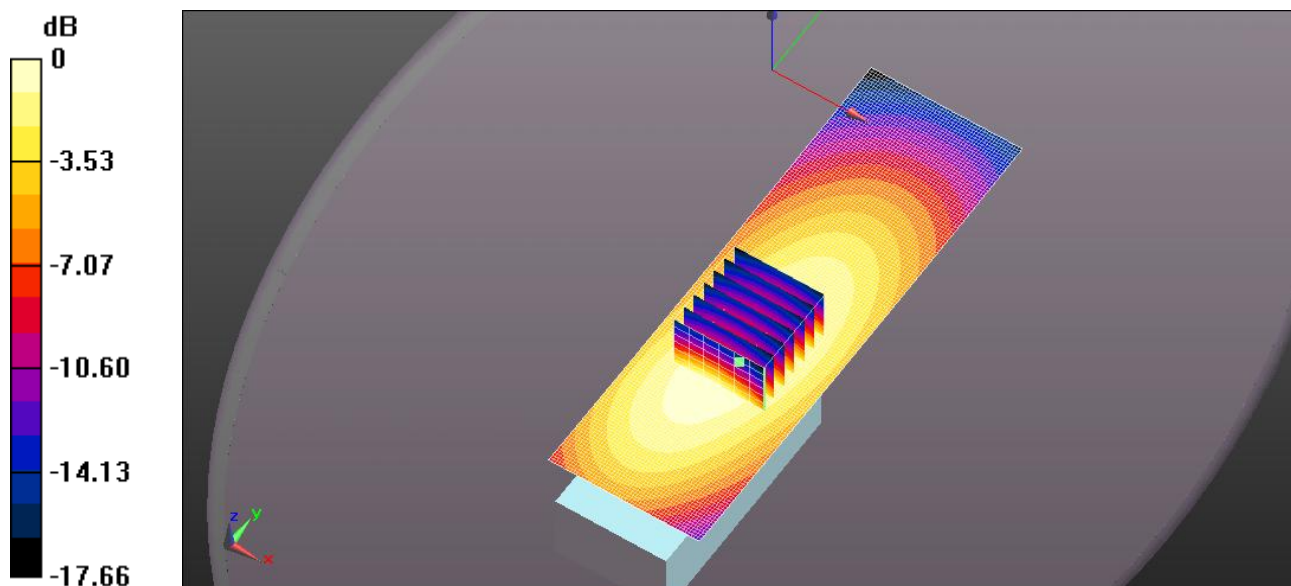
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 75.45 V/m; Power Drift = 0.38 dB

Peak SAR (extrapolated) = 9.18 W/kg

SAR(1 g) = 5.64 W/kg; SAR(10 g) = 4 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.03 W/kg



0 dB = 6.45 W/kg = 8.10 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 480MHZ 136MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480 \text{ MHz}$; $\sigma = 1.024 \text{ S/m}$; $\epsilon_r = 55.514$; $\rho = 1000 \text{ kg/m}^3$; 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 11.3 W/kg

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

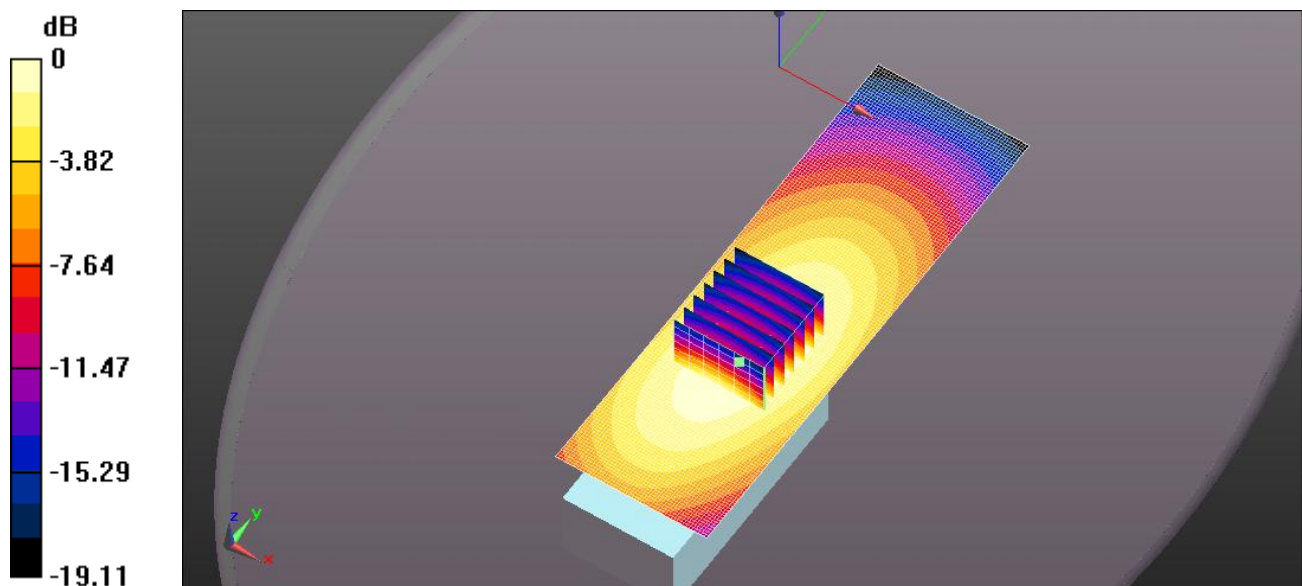
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 101.9 V/m ; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 9.75 W/kg ; SAR(10 g) = 6.93 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.9 W/kg



FILE NAME: ICOM-558Q BODY FA-SC61UC 465MHZ 136MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 465$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 55.554$; $\rho = 1000$ 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) = 8.72 W/kg

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

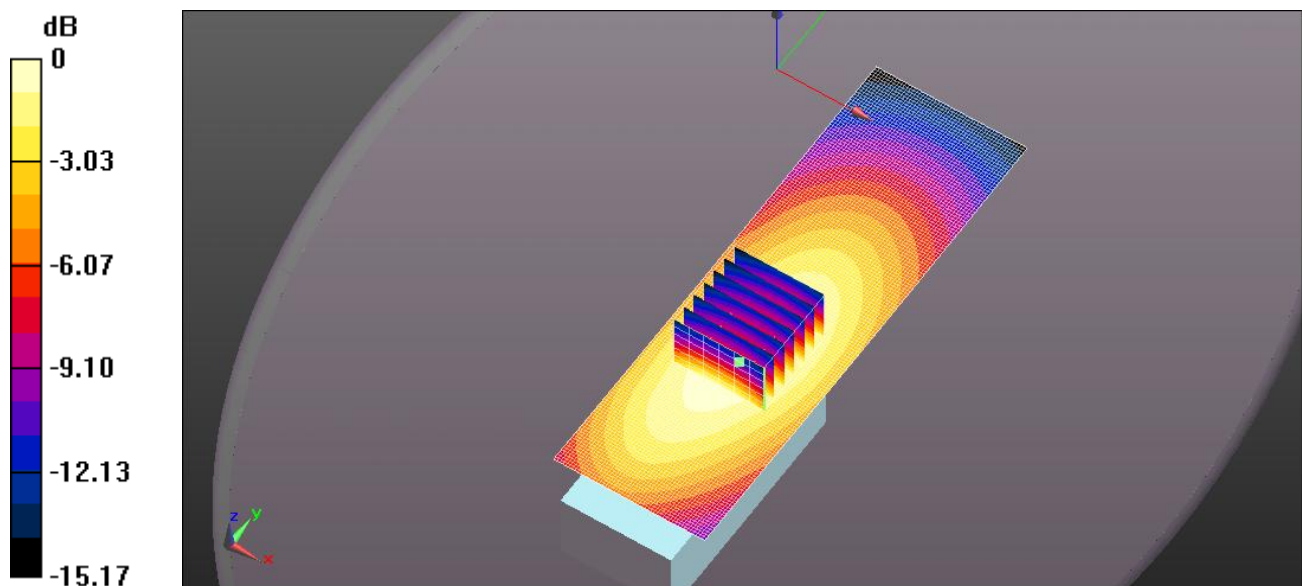
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 88.31 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 7.22 W/kg; SAR(10 g) = 5.13 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.62 W/kg



FILE NAME: ICOM-558Q BODY FA-SC61UC 496MHZ 136MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 496$ MHz; $\sigma = 1.041$ S/m; $\epsilon_r = 55.584$; $\rho = 1000$ 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) = 12.7 W/kg

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

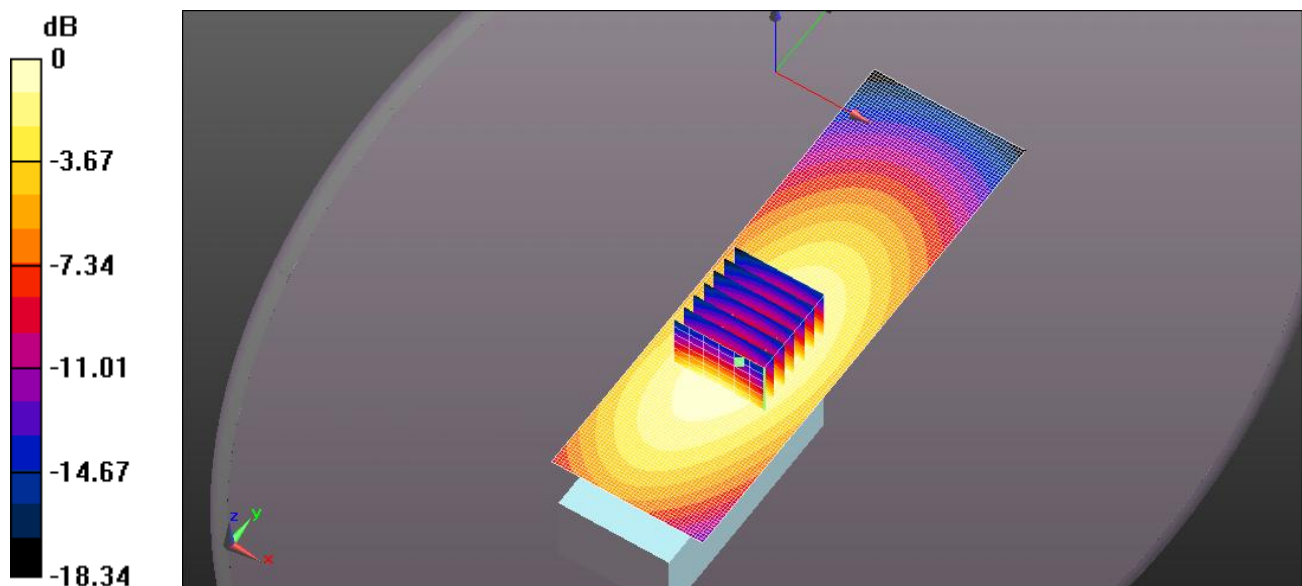
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 108.6 V/m; Power Drift = -0.80 dB

Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 9.72 W/kg; SAR(10 g) = 6.88 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 12.0 W/kg



FILE NAME: ICOM-558Q BODY FA-SC61UC 512MHZ 136MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 1.052$ S/m; $\epsilon_r = 55.468$; $\rho = 1000$ 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) = 10.1 W/kg

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

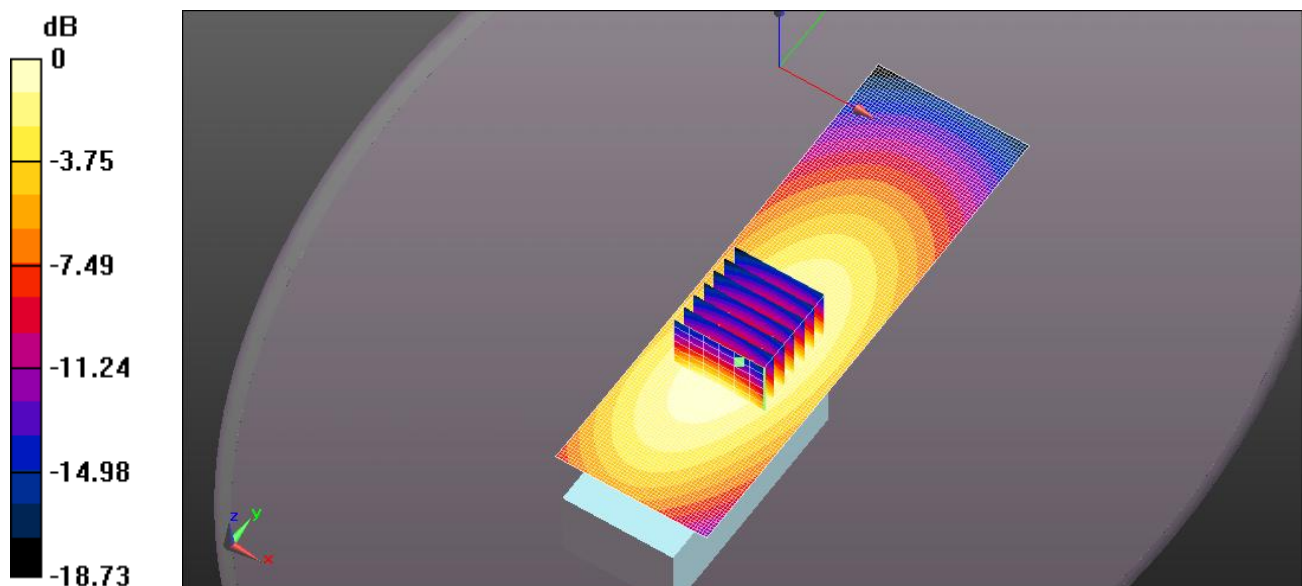
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 92.46 V/m; Power Drift = -0.30 dB

Peak SAR (extrapolated) = 13.0 W/kg

SAR(1 g) = 8.03 W/kg; SAR(10 g) = 5.7 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 9.98 W/kg



0 dB = 10.1 W/kg = 10.03 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 450MHZ 136MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450$ MHz; $\sigma = 0.976$ S/m; $\epsilon_r = 55.608$; $\rho = 1000$ 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) = 8.90 W/kg

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

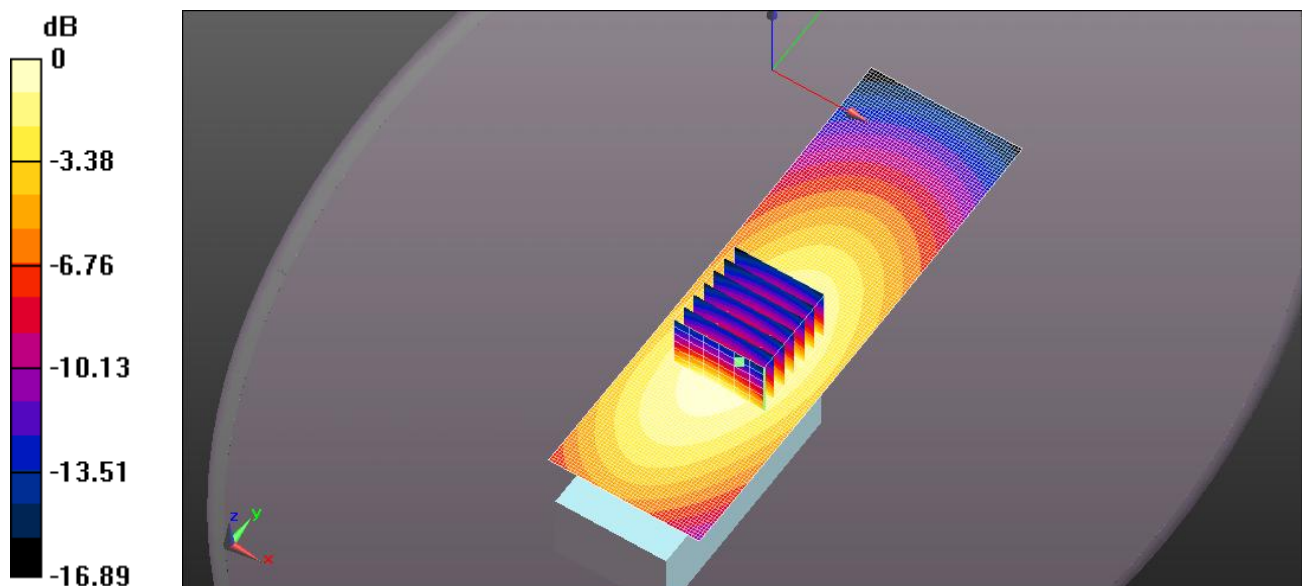
(7x7x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 95.79 V/m; Power Drift = -0.51 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 7.62 W/kg; SAR(10 g) = 5.4 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.97 W/kg



FILE NAME: ICOM-558Q BODY FA-SC61UC 500MHZ 129MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 500 \text{ MHz}$; $\sigma = 1.044 \text{ S/m}$; $\epsilon_r = 55.563$; $\rho = 1000 \text{ kg/m}^3$; 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 12.9 W/kg

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

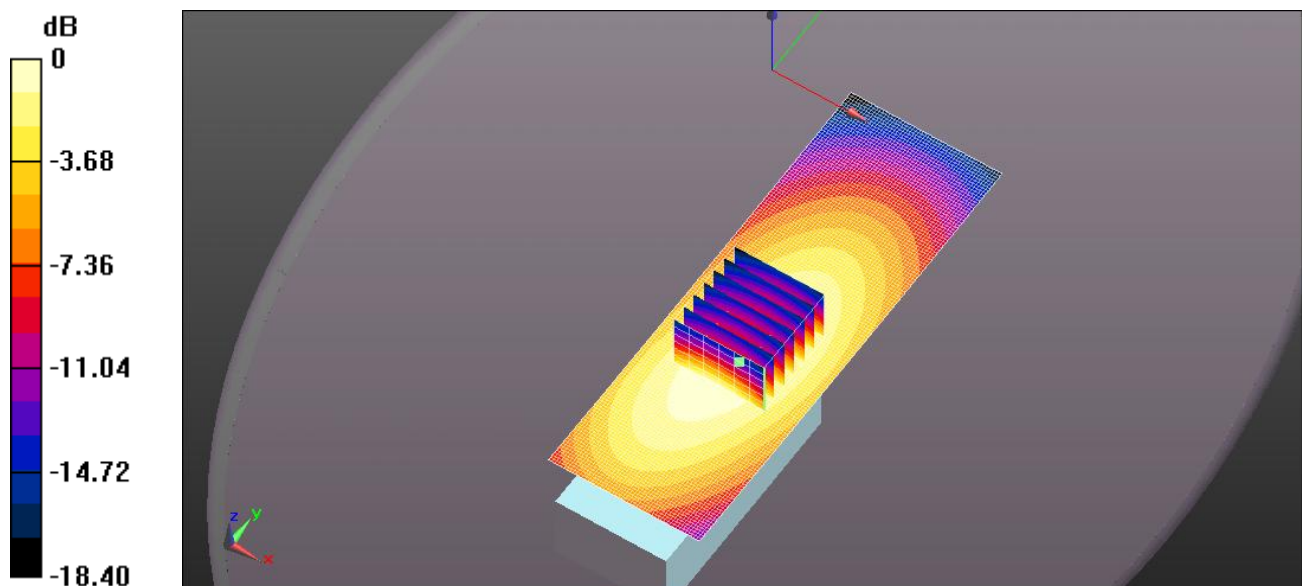
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 106.9 V/m ; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 10.5 W/kg ; SAR(10 g) = 7.45 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 13.0 W/kg



FILE NAME: ICOM-558Q BODY FA-SC61UC 480MHZ 129MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480 \text{ MHz}$; $\sigma = 1.024 \text{ S/m}$; $\epsilon_r = 55.514$; $\rho = 1000 \text{ kg/m}^3$; 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 9.82 W/kg

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

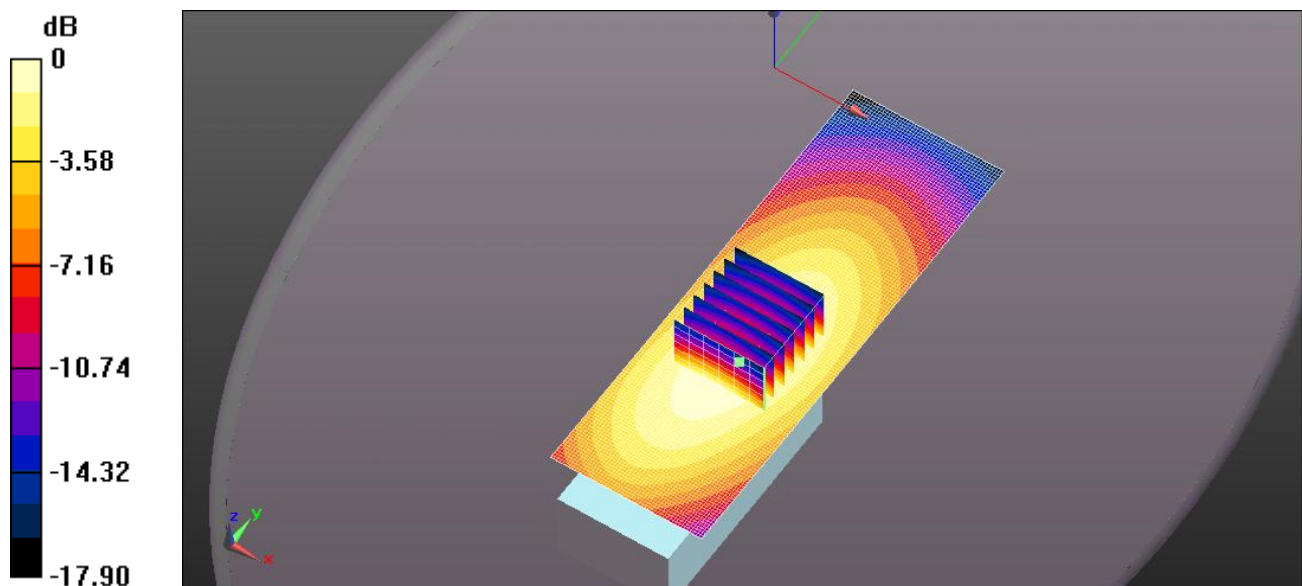
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 93.05 V/m ; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(1 g) = 8.22 W/kg ; SAR(10 g) = 5.83 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.1 W/kg



FILE NAME: ICOM-558Q BODY FA-SC61UC 465MHZ 129MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 465$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 55.554$; $\rho = 1000$ 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 7.58 W/kg

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

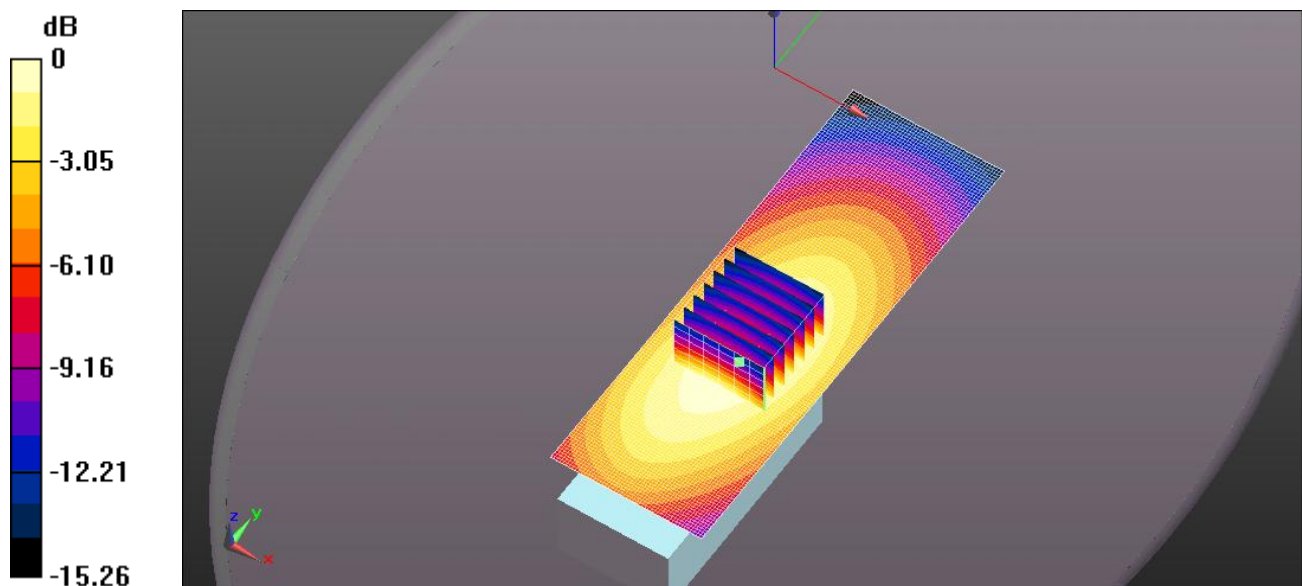
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 83.51 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 6.46 W/kg; SAR(10 g) = 4.56 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.77 W/kg



FILE NAME: ICOM-558Q BODY FA-SC61UC 450MHZ 129MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.976 \text{ S/m}$; $\epsilon_r = 55.608$; $\rho = 1000 \text{ kg/m}^3$; 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 (51x151x1):

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

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

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

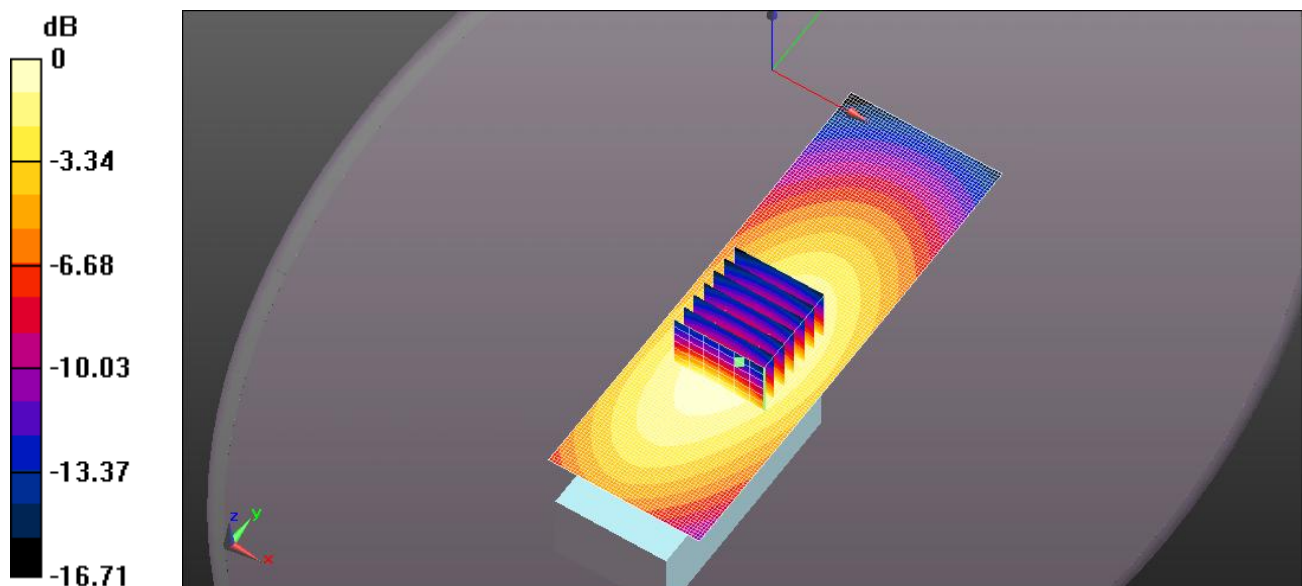
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 76.83 V/m ; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 7.97 W/kg

SAR(1 g) = 5.22 W/kg ; SAR(10 g) = 3.71 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 6.14 W/kg



0 dB = 6.02 W/kg = 7.79 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 512MHZ 129MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 1.052$ S/m; $\epsilon_r = 55.468$; $\rho = 1000$ 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 12.9 W/kg

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

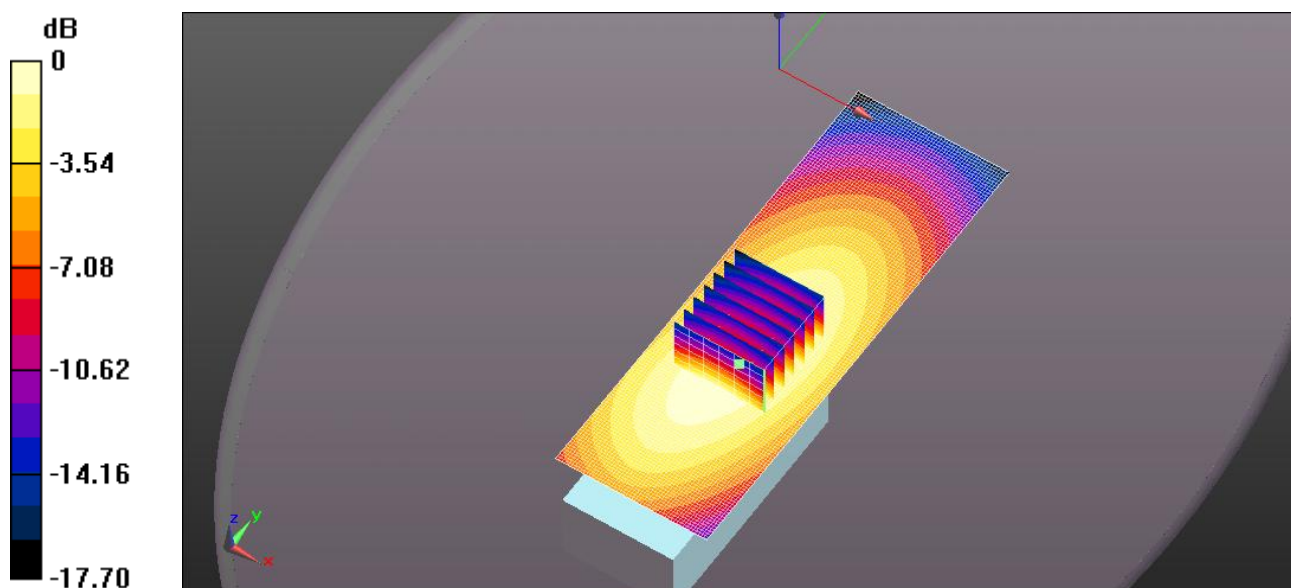
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 111.9 V/m; Power Drift = -1.33 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 9.53 W/kg; SAR(10 g) = 6.77 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.8 W/kg



0 dB = 12.9 W/kg = 11.11 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 512MHZ 125MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 512 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 512$ MHz; $\sigma = 1.052$ S/m; $\epsilon_r = 55.468$; $\rho = 1000$ 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 14.1 W/kg

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

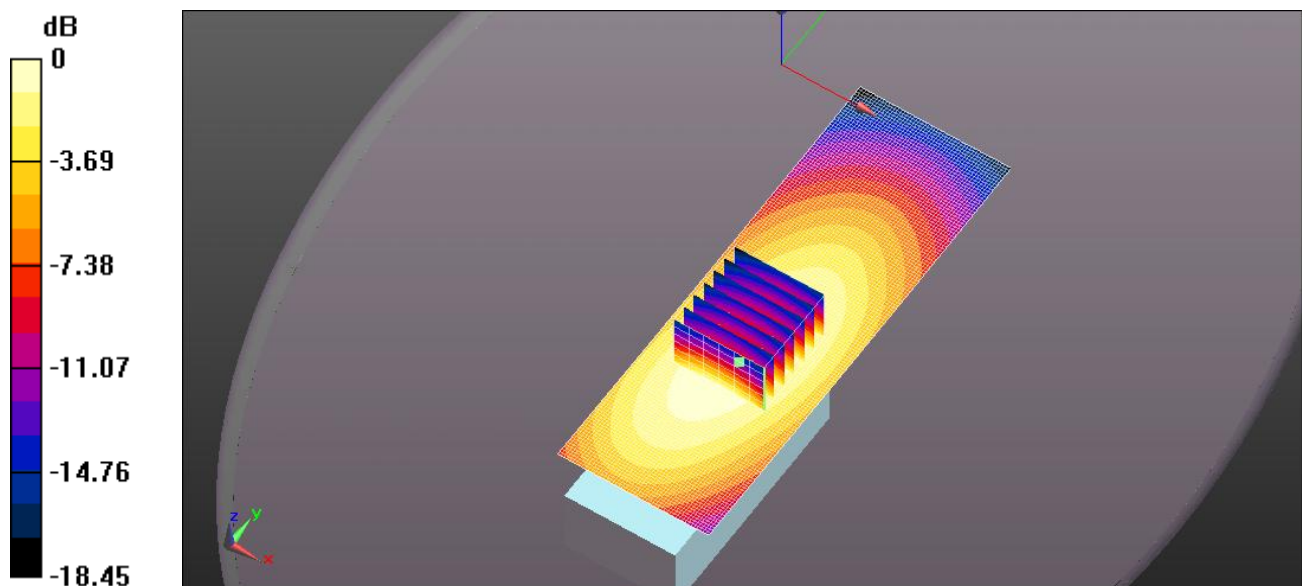
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 111.1 V/m; Power Drift = -0.77 dB

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 10.8 W/kg; SAR(10 g) = 7.66 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 14.1 W/kg = 11.49 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 496MHZ 125MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 496 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 496 \text{ MHz}$; $\sigma = 1.041 \text{ S/m}$; $\epsilon_r = 55.584$; $\rho = 1000 \text{ kg/m}^3$;
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 (51x151x1):

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

Maximum value of SAR (interpolated) = 10.9 W/kg

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

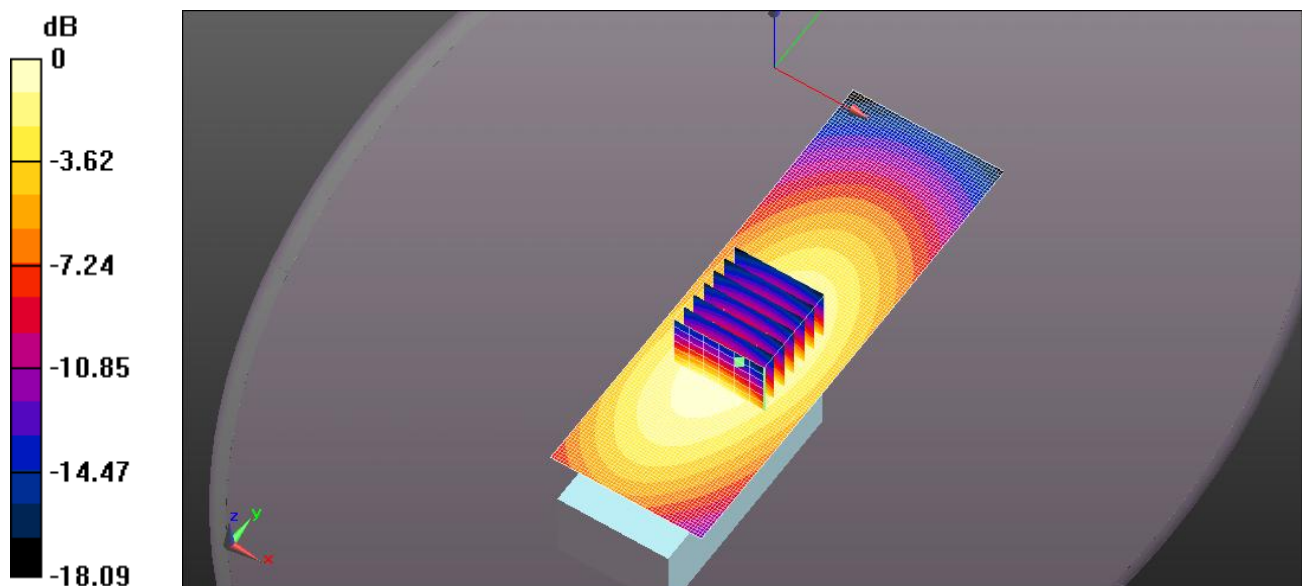
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 95.36 V/m ; Power Drift = 0.29 dB

Peak SAR (extrapolated) = 15.0 W/kg

SAR(1 g) = 9.29 W/kg ; SAR(10 g) = 6.56 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 11.5 W/kg



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

FILE NAME: ICOM-558Q BODY FA-SC61UC 480MHZ 125MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 480 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 480 \text{ MHz}$; $\sigma = 1.024 \text{ S/m}$; $\epsilon_r = 55.514$; $\rho = 1000 \text{ kg/m}^3$; 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 (51x151x1):

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

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

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

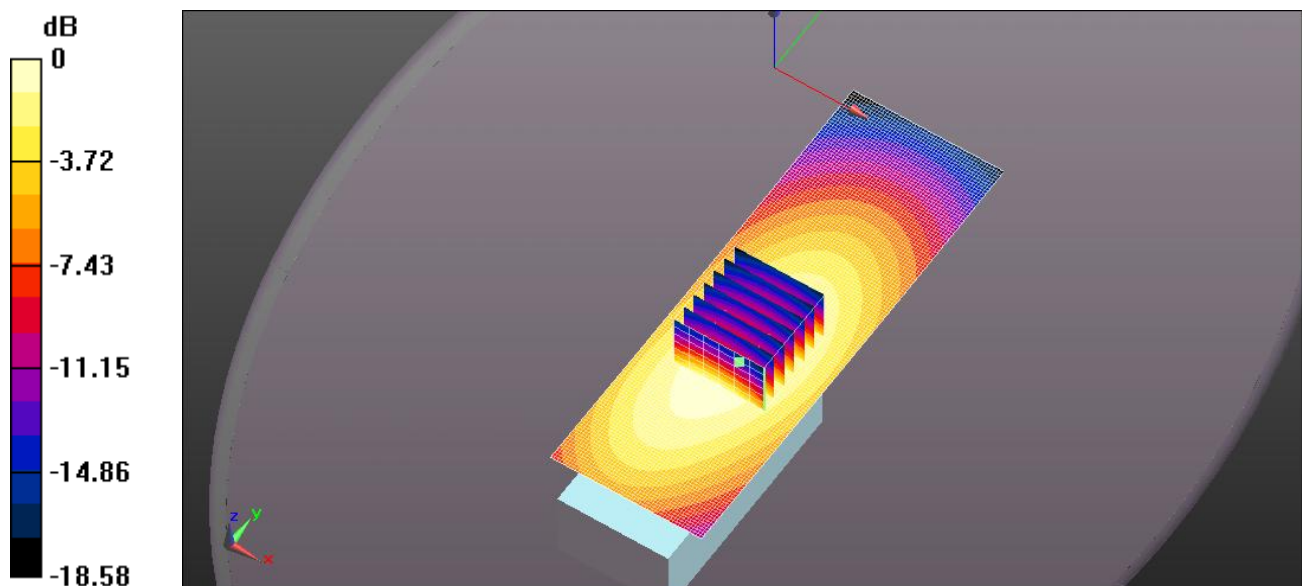
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 79.96 V/m ; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 6.49 W/kg ; SAR(10 g) = 4.6 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 7.95 W/kg



FILE NAME: ICOM-558Q BODY FA-SC61UC 465MHZ 125MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; **Type:** UHF Transceiver; **Serial:** 86000219

Communication System: UID 0, CW (0); Frequency: 465 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 465$ MHz; $\sigma = 1$ S/m; $\epsilon_r = 55.554$; $\rho = 1000$ 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 6.73 W/kg

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

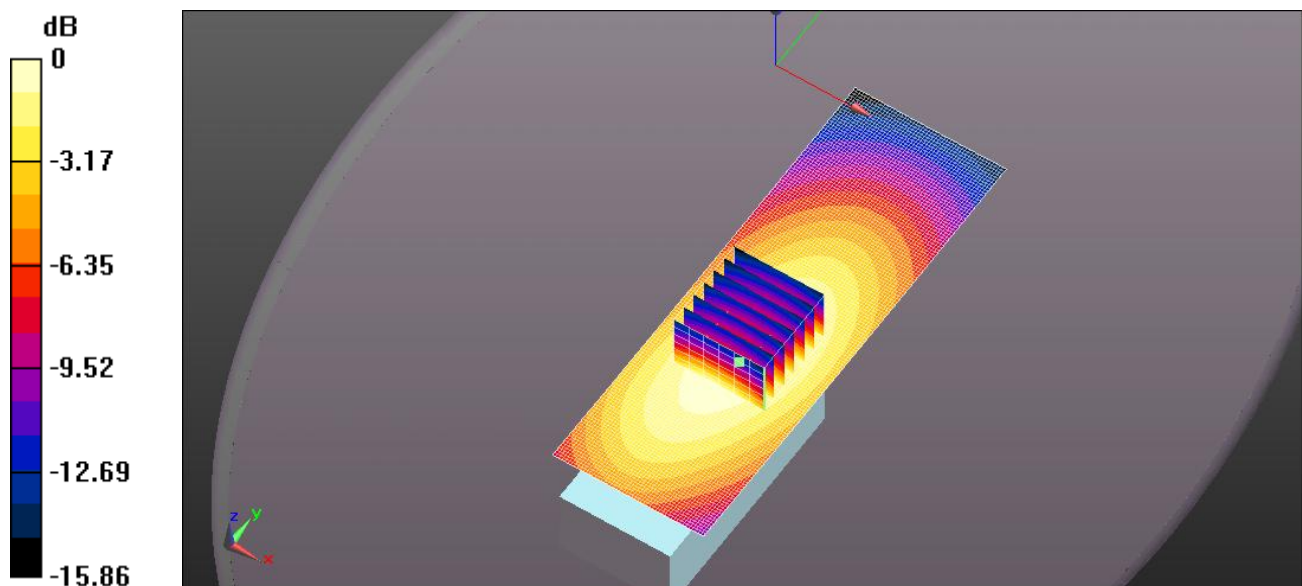
(7x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 80.73 V/m; Power Drift = -0.48 dB

Peak SAR (extrapolated) = 8.90 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 4.04 W/kg (SAR corrected for target medium)

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



0 dB = 6.73 W/kg = 8.28 dBW/kg

FILE NAME: ICOM-558Q BODY FA-SC61UC 450MHZ 125MM BP-279 MB-133 & HM-159LA.DA52:0

DUT: IC-F2100DT; Type: UHF Transceiver; Serial: 86000219

Communication System: UID 0, CW (0); Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.976 \text{ S/m}$; $\epsilon_r = 55.608$; $\rho = 1000 \text{ kg/m}^3$; 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 (51x151x1):

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

Maximum value of SAR (interpolated) = 4.98 W/kg

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

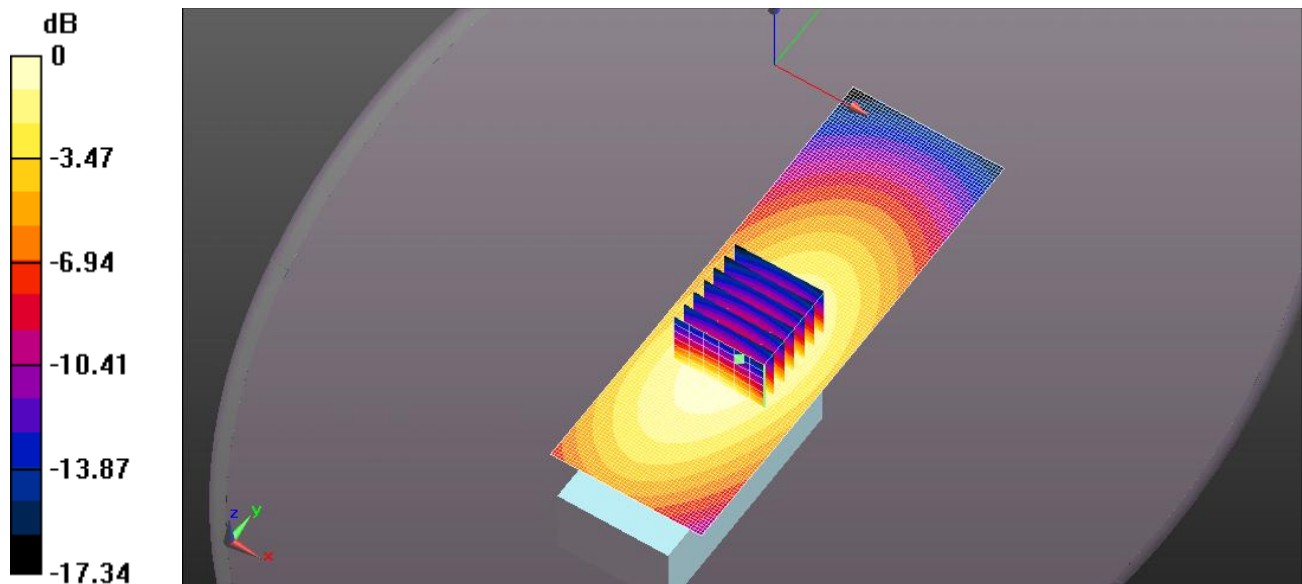
(7x7x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 68.61 V/m ; Power Drift = -0.25 dB

Peak SAR (extrapolated) = 6.60 W/kg

SAR(1 g) = 4.32 W/kg ; SAR(10 g) = 3.06 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 5.09 W/kg



0 dB = 4.98 W/kg = 6.97 dBW/kg