

APPENDIX 1

SAR Measurement Data

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EXHIBIT 1. HEAD SAR MEASUREMENT SUMMARY

Antenna	Power (dBm)	CH	CH. Freq (MHz)	HEAD SAR (W/Kg)	
				BP-279	BP-280
				1485mAh	2280mAh
FA-SC25US 400-430 MHz Green Tip 158mm	36.34	1	400	1.71	
	36.26	2	410	1.89	
	36.18	4	420	2.32	
	36.20	7	430	2.62	2.20
FA-SC57U 430-470 MHz Red Tip 140mm	36.20	7	430	1.23	
	36.15	11	443.33	1.27	
	36.11	13	456.66	1.64	
	36.13	15	470	1.87	1.51
FA-SC73US 450-490 MHz Red Tip 60mm	36.17	12	450	1.17	
	36.14	14	460	1.48	1.25
	36.13	15	470	1.44	
FASC26US 400-450 MHz Red Tip 60mm	36.26	3	412.5	1.68	0.79
	36.19	6	425		
	36.15	9	437.5		
	36.17	12	450		1.00
Cut Antenna 380-520MHz					
SC61UC 400MHz White Tip 165 mm	36.34	1	400	1.84	
	36.14	8	435	1.88	2.80
	36.13	15	470	1.82	
SC61UC 420MHz White Tip 156mm	36.34	1	400	1.25	
	36.18	5	420	2.08	2.10
	36.13	15	470	1.96	
	36.15	11	443.3		
SC61UC 440MHz 148mm White Tip 148mm	36.34	1	400		
	36.15	10	440	0.94	
	36.13	15	470	1.67	
	36.18	4	420	2.15	1.58
SC61UC 460MHz White Tip 142mm	36.34	1	400		
	36.20	7	430	1.47	
	36.14	14	460	2.04	1.57

*Shaded area denotes SAR measurements taken from original SAR report ICOM-361Q-sar.docx

Test Laboratory: Ultratech Group of Labs

FILE NAME: BP-280 SC25US 158mm 430MHz.da52:0

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 430 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.825 \text{ S/m}$; $\epsilon_r = 43.335$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

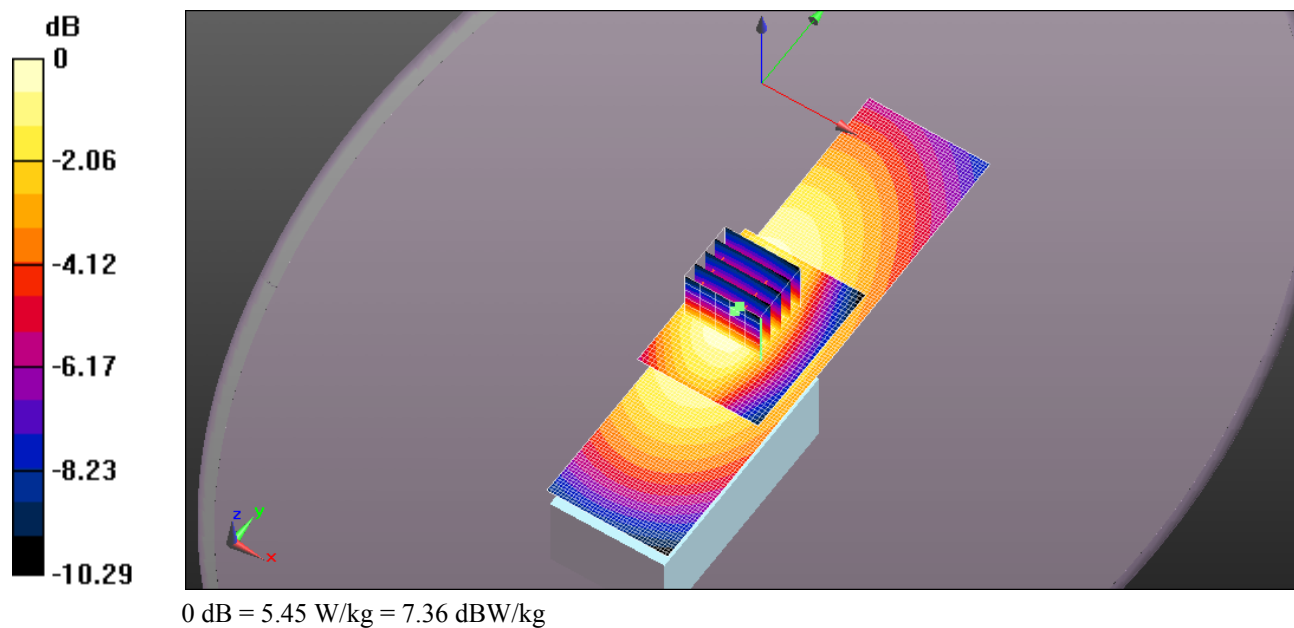
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.35, 10.35, 10.35); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 5.45 W/kg

ICOM IC-F2000T 400-470 MHz Body/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 83.50 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 6.05 W/kg
SAR(1 g) = 4.39 W/kg; SAR(10 g) = 3.33 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.43 W/kg

ICOM IC-F2000T 400-470 MHz Body/Head Frontal, d=25mm, Pin=4W (EX-Probe)/FindMax (31x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 4.48 W/kg



Test Laboratory: Ultratech Group of Labs

FILE NAME: BP-280 SC57U 140mm 470MHz.da52:0

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.841 \text{ S/m}$; $\epsilon_r = 42.19$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

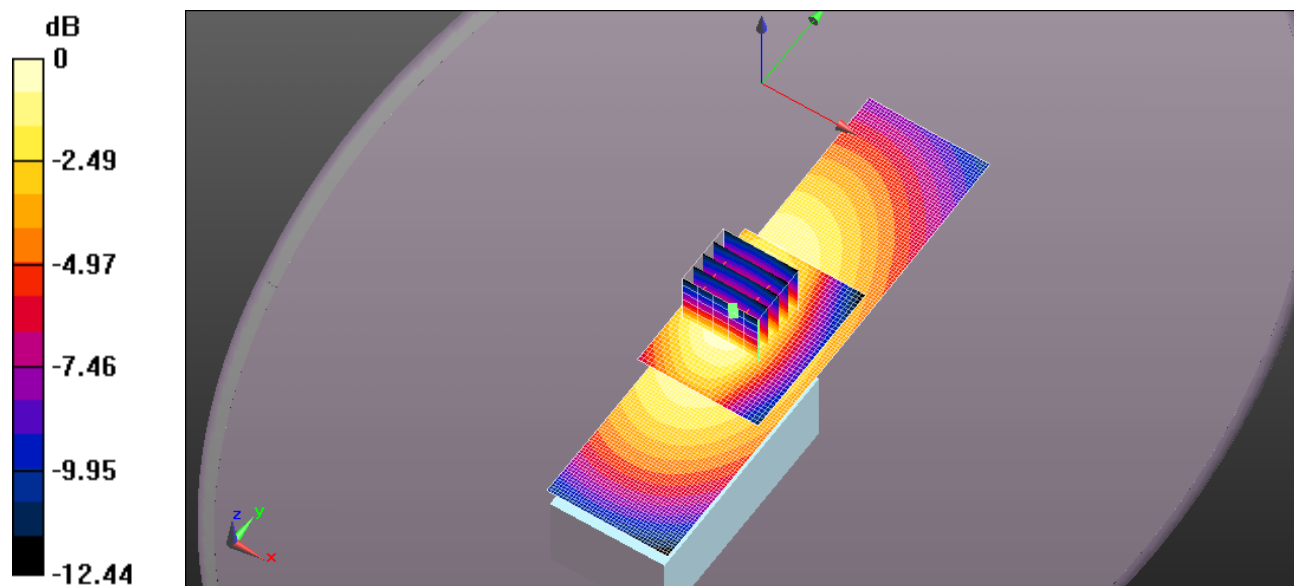
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.35, 10.35, 10.35); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 3.82 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 69.16 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 4.28 W/kg
SAR(1 g) = 3.04 W/kg; SAR(10 g) = 2.25 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.81 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/FindMax (31x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 3.10 W/kg



0 dB = 3.82 W/kg = 5.82 dBW/kg

Test Laboratory: Ultratech Group of Labs

FILE NAME: BP-280 SC73US 60mm 460MHz.da52:0

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460 \text{ MHz}$; $\sigma = 0.834 \text{ S/m}$; $\epsilon_r = 42.478$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

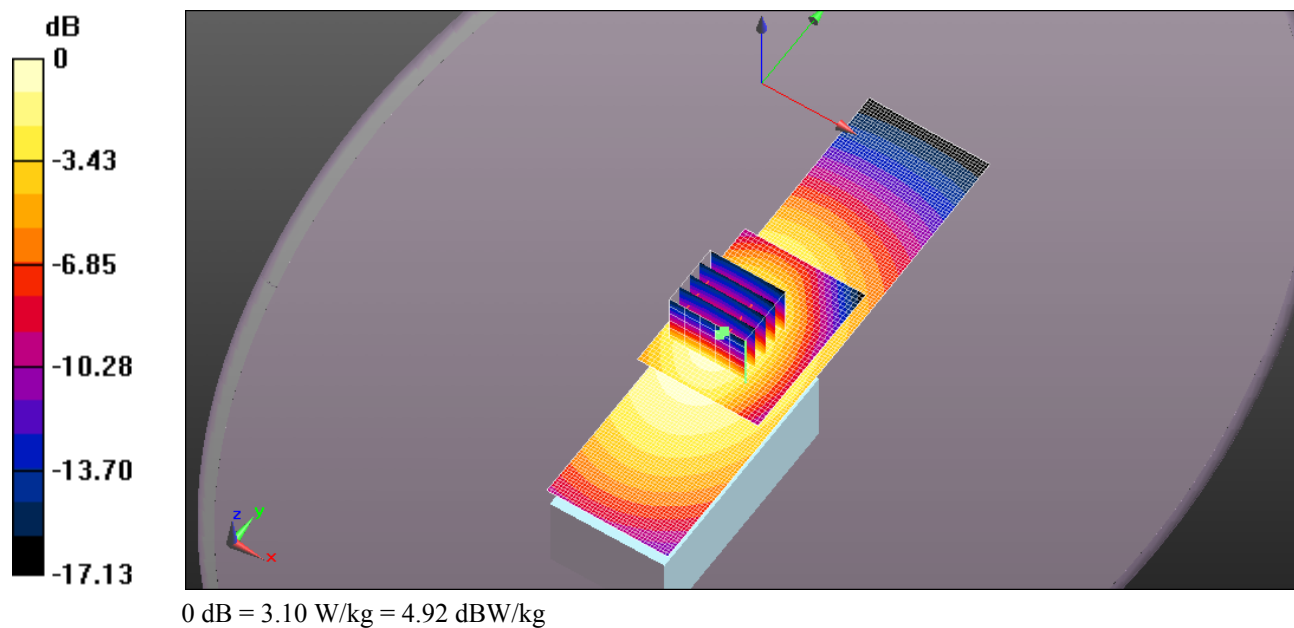
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.35, 10.35, 10.35); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 3.10 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 62.84 V/m ; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 3.50 W/kg
SAR(1 g) = 2.49 W/kg ; SAR(10 g) = 1.85 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.12 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/FindMax (31x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 2.69 W/kg



Test Laboratory: Ultratech Group of Labs

FILE NAME: BP-280 SC26U 60mm 412.5MHz.da52:0

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 412.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 412.5$ MHz; $\sigma = 0.799$ S/m; $\epsilon_r = 44.198$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.35, 10.35, 10.35); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.95 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 50.52 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 1.57 W/kg; SAR(10 g) = 1.18 W/kg (SAR corrected for target medium)

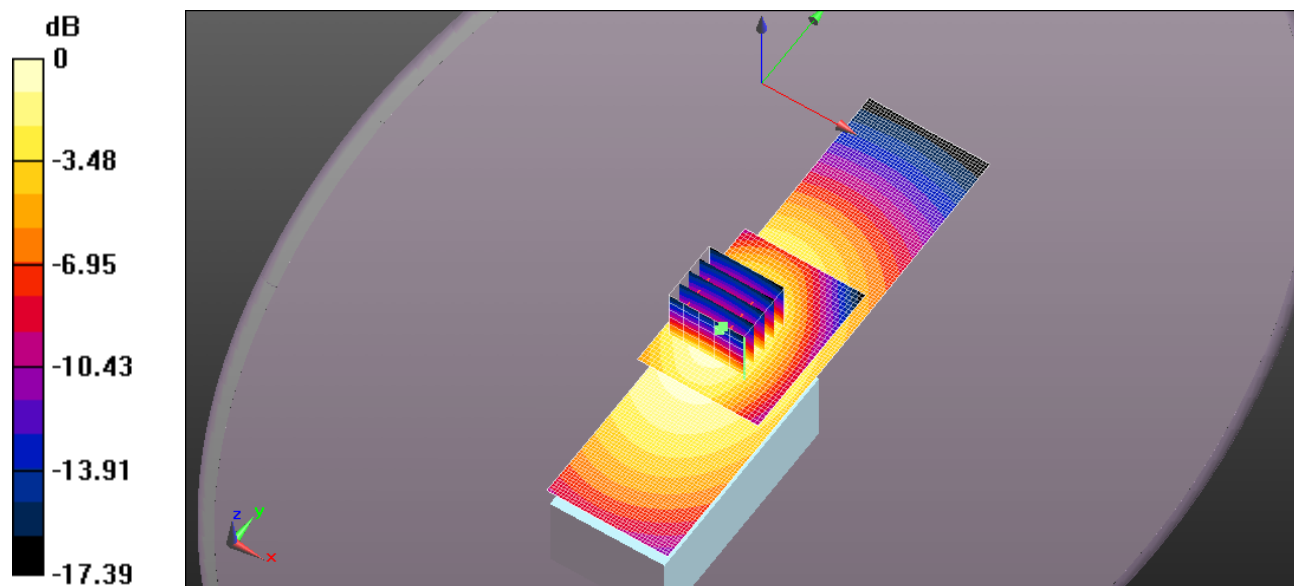
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.96 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/FindMax (31x41x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.62 W/kg



0 dB = 1.95 W/kg = 2.89 dBW/kg

Test Laboratory: Ultratech Group of Labs

FILE NAME: BP-280 SC26U 60mm 450MHz.da52:0

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.831 \text{ S/m}$; $\epsilon_r = 42.668$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

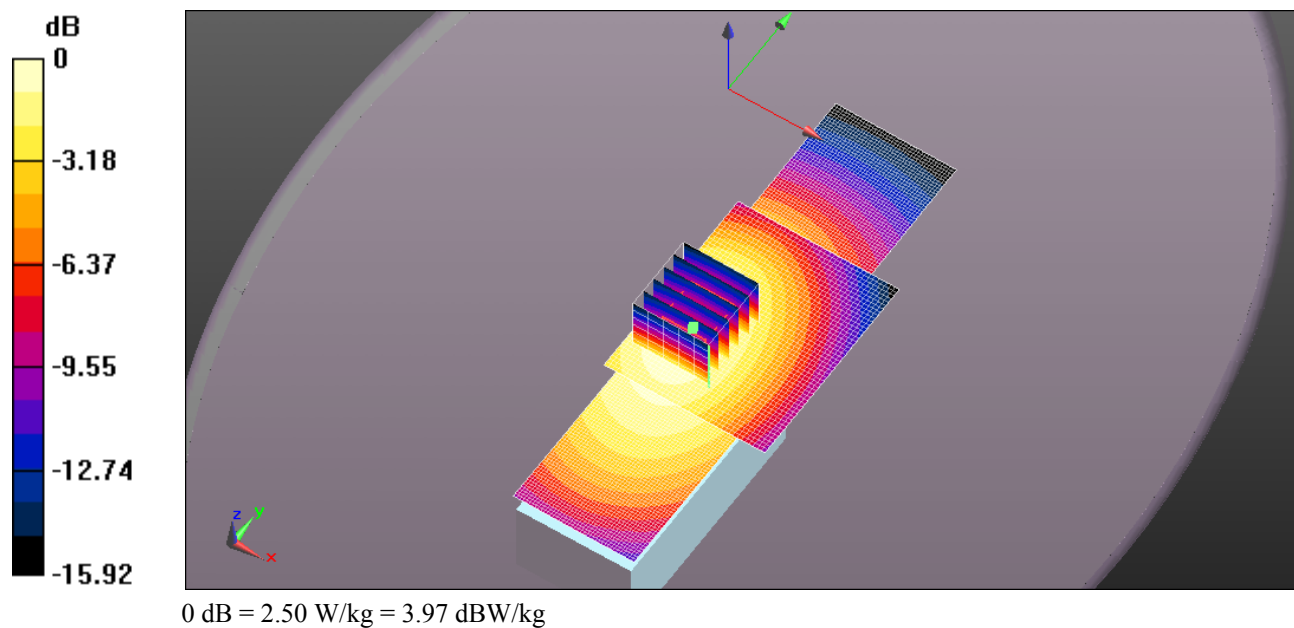
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.35, 10.35, 10.35); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 2.50 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Zoom Scan (5x5x7) (6x6x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 56.31 V/m ; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.70 W/kg
SAR(1 g) = 2 W/kg ; SAR(10 g) = 1.49 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.42 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/FindMax (41x51x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 2.05 W/kg



Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-279 SC26US 60MM 412.5MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 412.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 412.5$ MHz; $\sigma = 0.864$ S/m; $\epsilon_r = 56.398$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 70.75 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 4.79 W/kg
SAR(1 g) = 3.35 W/kg; SAR(10 g) = 2.48 W/kg (SAR corrected for target medium)

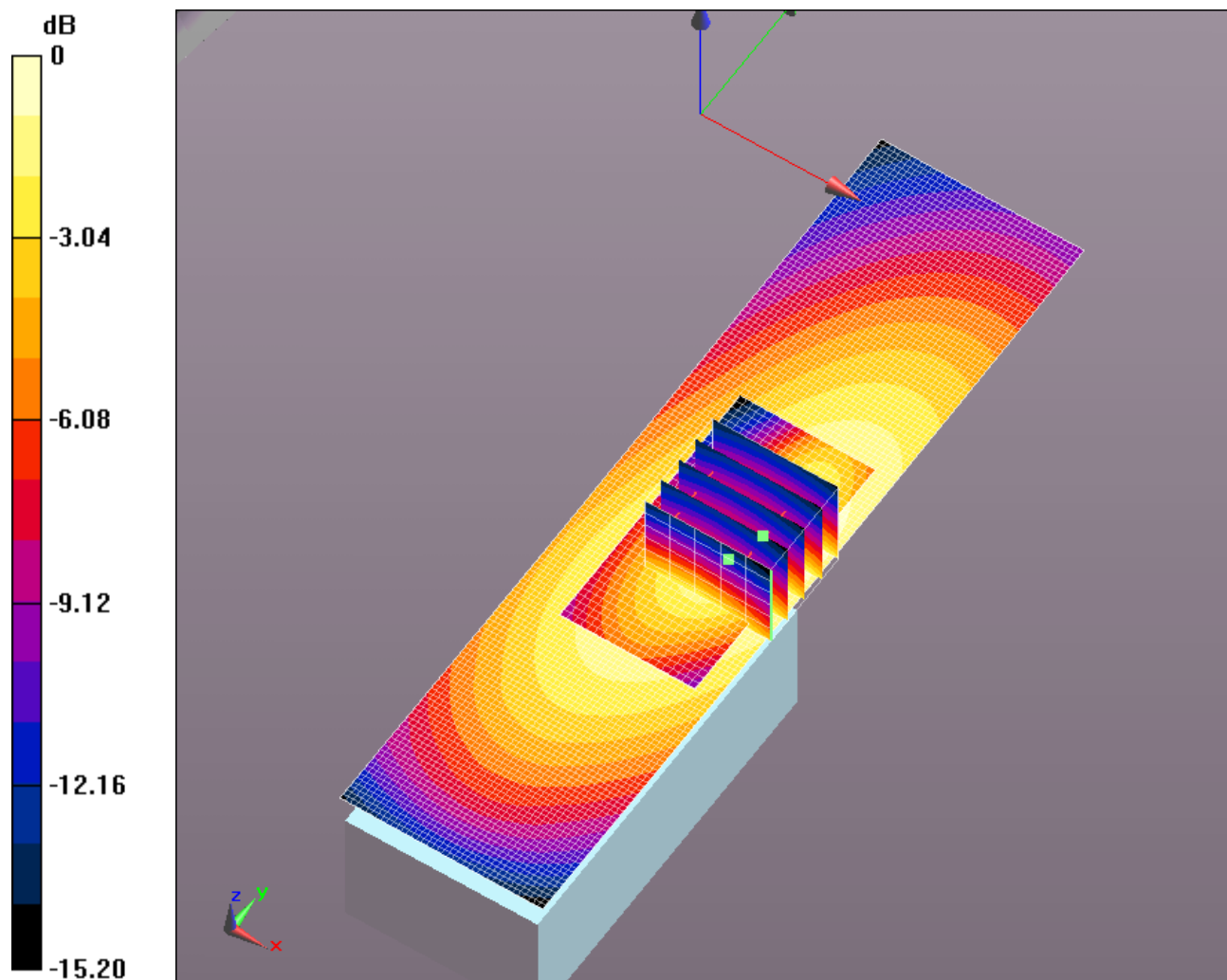
[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 3.78 W/kg



0 dB = 4.23 W/kg = 6.26 dBW/kg

EXHIBIT 2. HEAD SAR – CUT ANTENNA MEASUREMENT

Test Laboratory: Ultratech Group of Labs

FILE NAME: BP-280 SC61UC 165MM 435MHZ.DA52:0

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 435 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.83 \text{ S/m}$; $\epsilon_r = 43.137$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

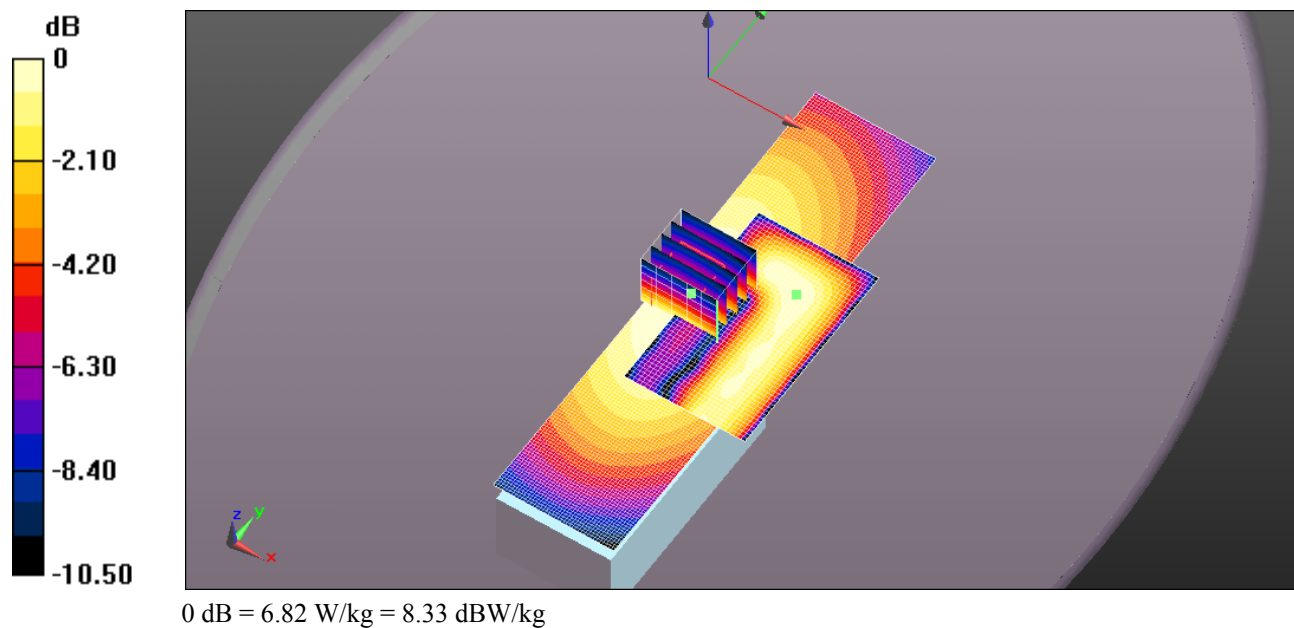
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.35, 10.35, 10.35); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 6.82 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 81.08 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 7.76 W/kg
SAR(1 g) = 5.59 W/kg; SAR(10 g) = 4.22 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.95 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/FindMax (31x51x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 4.42 W/kg



Test Laboratory: Ultratech Group of Labs

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

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420 \text{ MHz}$; $\sigma = 0.814 \text{ S/m}$; $\epsilon_r = 43.882$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

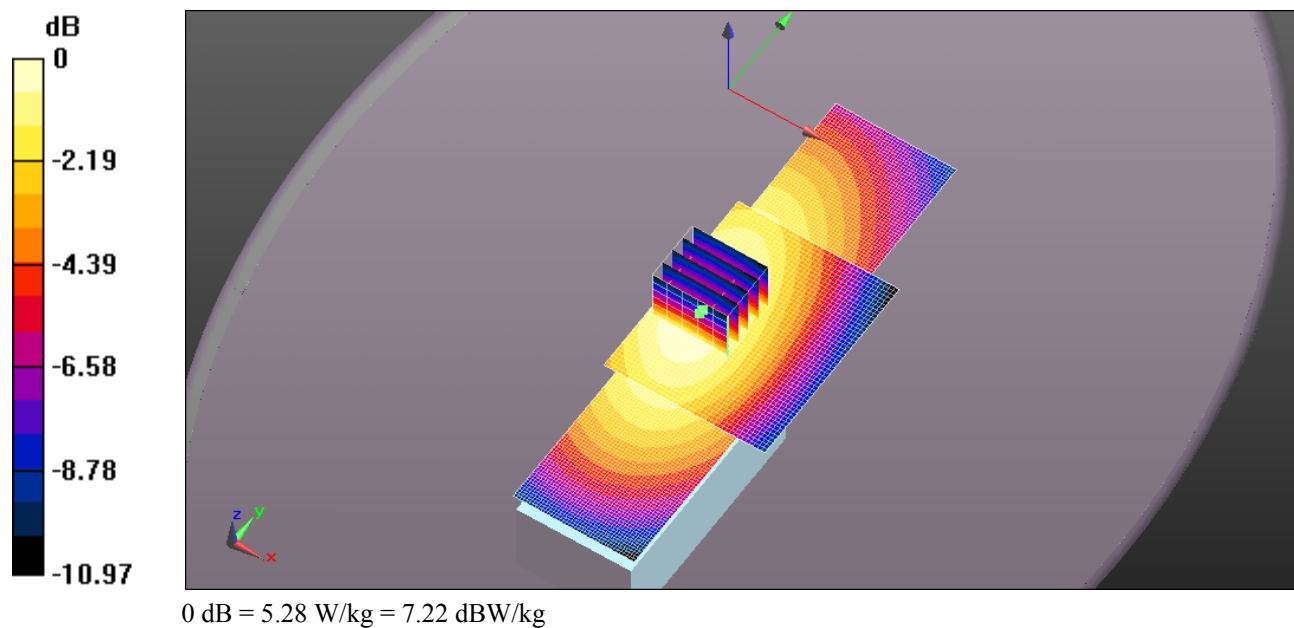
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.35, 10.35, 10.35); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 5.28 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 82.85 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 5.83 W/kg
SAR(1 g) = 4.2 W/kg; SAR(10 g) = 3.18 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.23 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/FindMax (41x51x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 4.43 W/kg



Test Laboratory: Ultratech Group of Labs

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

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420 \text{ MHz}$; $\sigma = 0.814 \text{ S/m}$; $\epsilon_r = 43.882$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

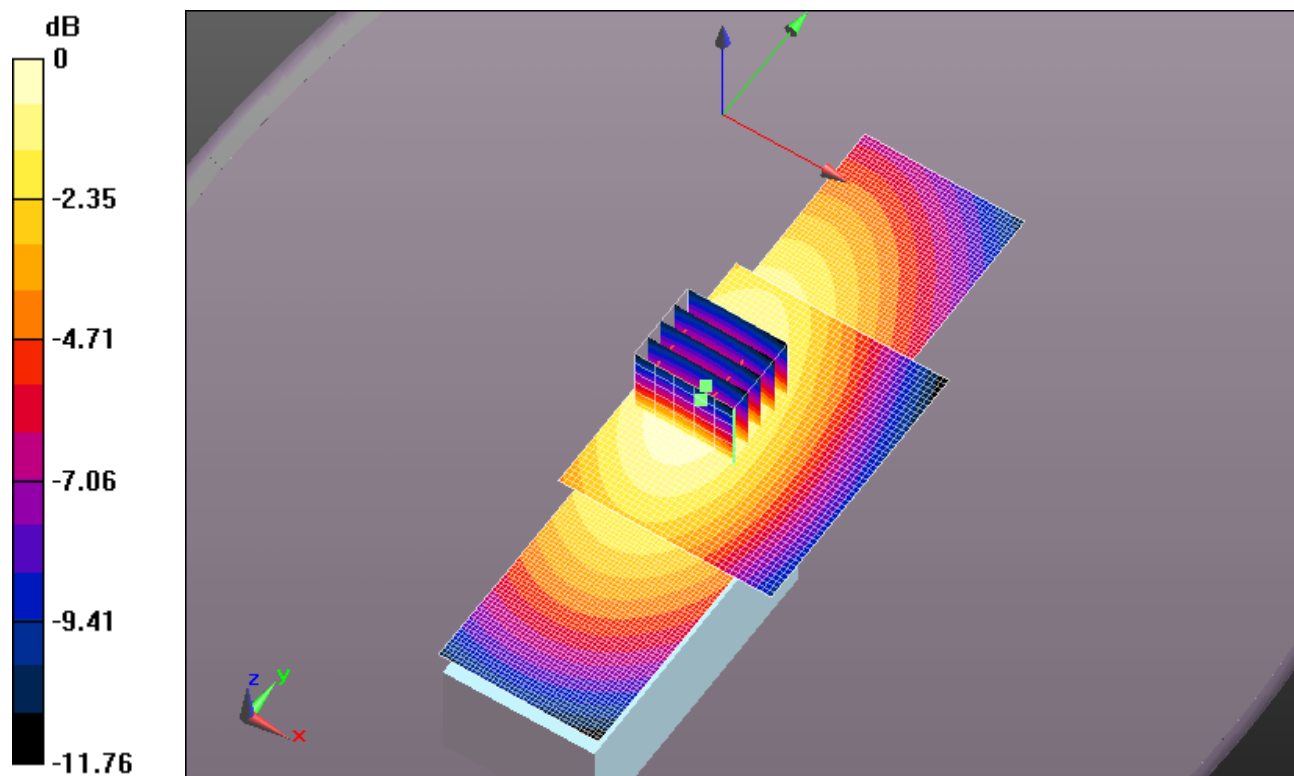
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.35, 10.35, 10.35); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 3.93 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 71.02 V/m ; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 4.39 W/kg
SAR(1 g) = 3.15 W/kg ; SAR(10 g) = 2.36 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.93 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/FindMax (41x51x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 3.24 W/kg



0 dB = 3.93 W/kg = 5.94 dBW/kg

Test Laboratory: Ultratech Group of Labs

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

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420 \text{ MHz}$; $\sigma = 0.814 \text{ S/m}$; $\epsilon_r = 43.882$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(10.35, 10.35, 10.35); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 3.88 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 71.25 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 4.40 W/kg
SAR(1 g) = 3.14 W/kg; SAR(10 g) = 2.35 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.93 W/kg

ICOM IC-F2000T 400-470 MHz Head/Head Frontal, d=25mm, Pin=4W (EX-Probe)/FindMax (41x51x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 3.26 W/kg

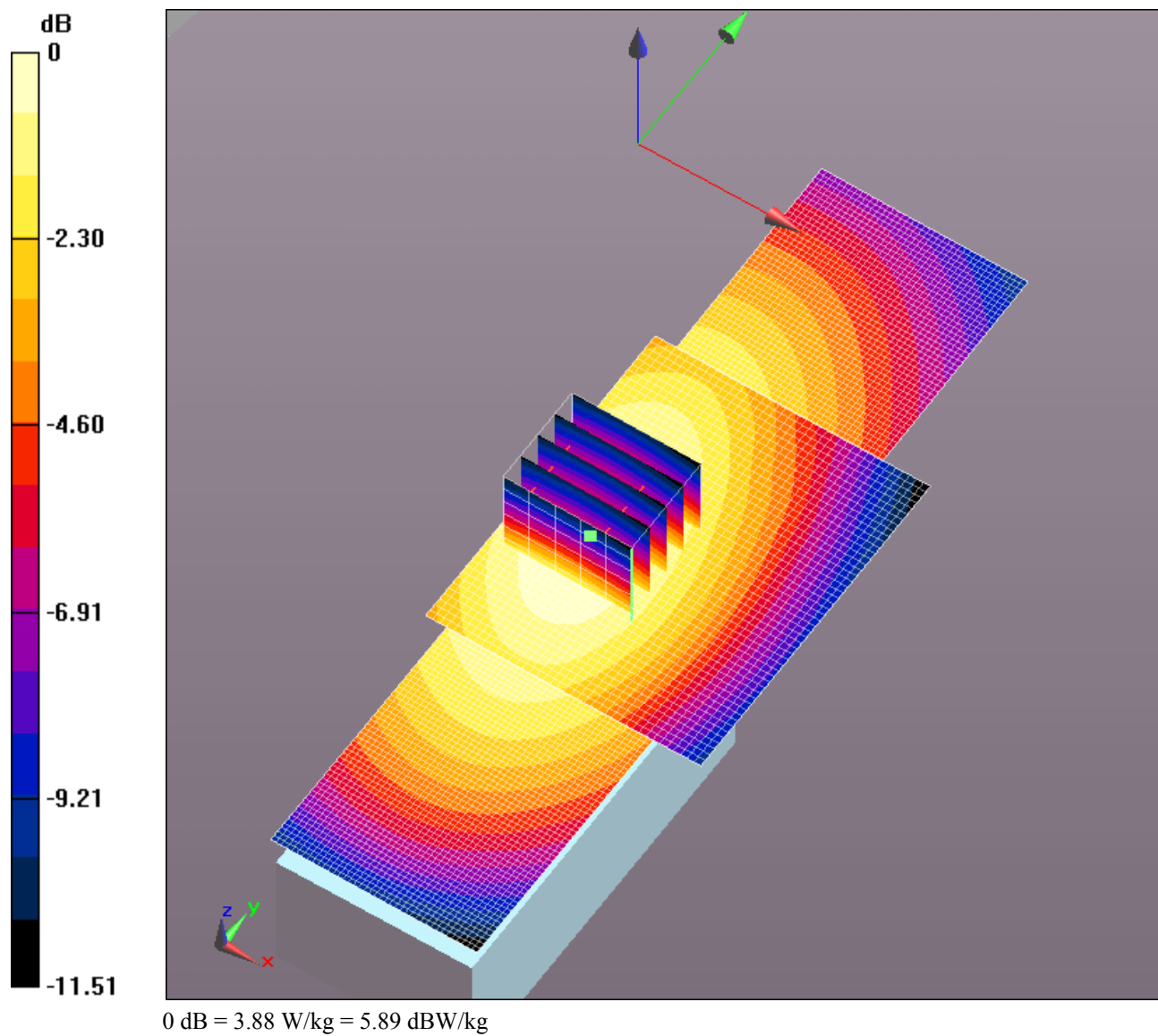


EXHIBIT 3. BODY SAR MEASUREMENT SUMMARY

Antenna	Power (dBm)	CH	CH. Freq	Body SAR (W/Kg)	
				BP-279	BP-280
			(MHz)	1485mAh	2280mAh
SC25US 400-430 MHz Green Tip 158mm	36.34	1	400	2.71	2.85
	36.26	2	410	3.4	3.66
	36.18	4	420	3.44	4.10
	36.20	7	430	3.91	4.14
FA-SC57U 430-470 MHz Red Tip 140mm	36.20	7	430	2.01	
	36.15	11	443.33	2.48	2.86
	36.11	13	456.66	3.14	
	36.13	15	470	3.46	3.92
FA-SC73US 450-490 MHz Red Tip 60mm	36.17	12	450	2.38	
	36.14	14	460	3.05	
	36.13	15	470	3.47	3.27
FASC26US 400-450 MHz Red Tip 60mm	36.26	3	412.5	1.68	2.28
	36.19	6	425		
	36.15	9	437.5		2.16
	36.17	12	450		
Cut Antenna 380-520MHz					
SC61UC 400MHz 165 mm White Tip	36.34	1	400	3.41	3.66
	36.14	8	435	2.97	3.36
	36.13	15	470	2.68	
SC61UC 420MHz 156mm White Tip	36.34	1	400	2.76	2.39
	36.18	5	420	3.65	4.17
	36.13	15	470	3.3	3.45
	36.15	11	443.3	4.13	4.56
SC61UC 440MHz 148mm White Tip	36.34	1	400	1.8	
	36.15	10	440	3.23	3.66
	36.13	15	470	3.67	3.91
	36.18	4	420	2.62	
SC61UC 460MHz 142mm White Tip	36.34	1	400	1.61	2.51
	36.20	7	430	2.63	
	36.14	14	460	3.81	3.66

*Shaded area denotes SAR measurements taken from original SAR report ICOM-361Q-sar.docx

Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC25US 158MM 400MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400 \text{ MHz}$; $\sigma = 0.851 \text{ S/m}$; $\epsilon_r = 56.519$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

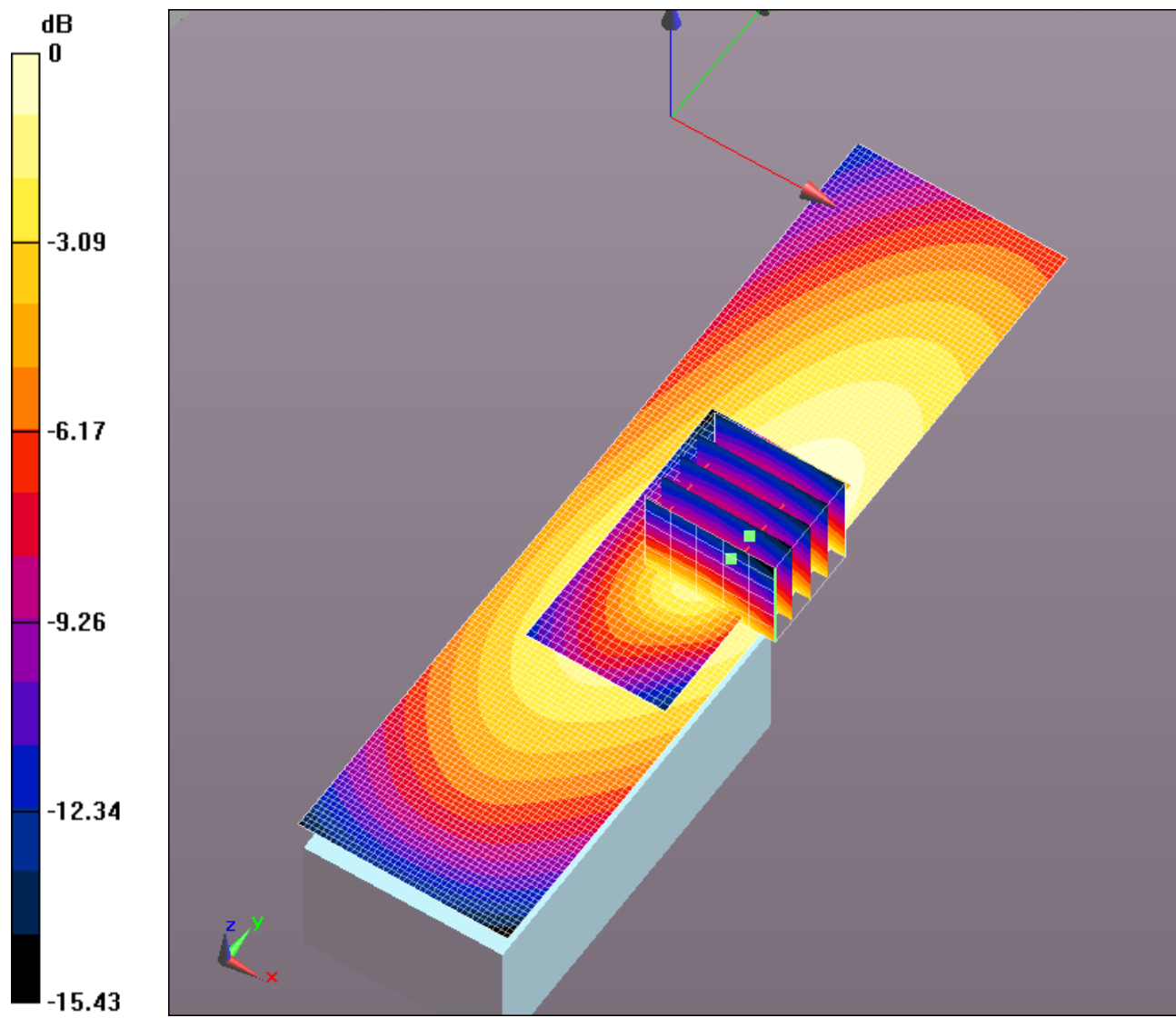
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 7.31 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 92.77 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 8.20 W/kg
SAR(1 g) = 5.7 W/kg; SAR(10 g) = 4.22 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.21 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 6.62 W/kg



0 dB = 7.31 W/kg = 8.64 dBW/kg

Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC25US 158MM 410MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 410 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 410 \text{ MHz}$; $\sigma = 0.86 \text{ S/m}$; $\epsilon_r = 56.43$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

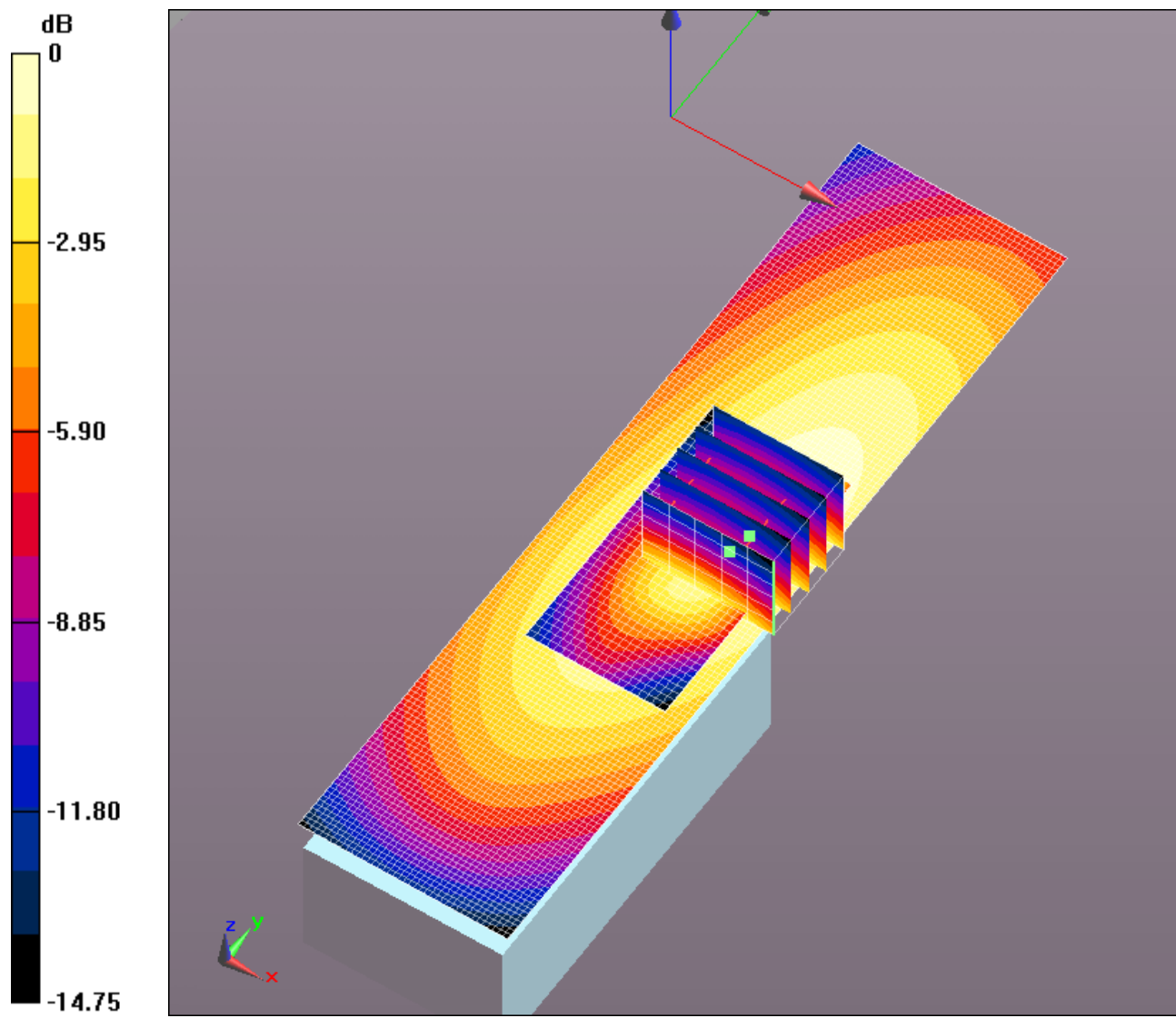
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 9.26 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 104.3 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 10.5 W/kg
SAR(1 g) = 7.32 W/kg; SAR(10 g) = 5.43 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.28 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 8.39 W/kg



Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC25US 158MM 420MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420 \text{ MHz}$; $\sigma = 0.874 \text{ S/m}$; $\epsilon_r = 56.348$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

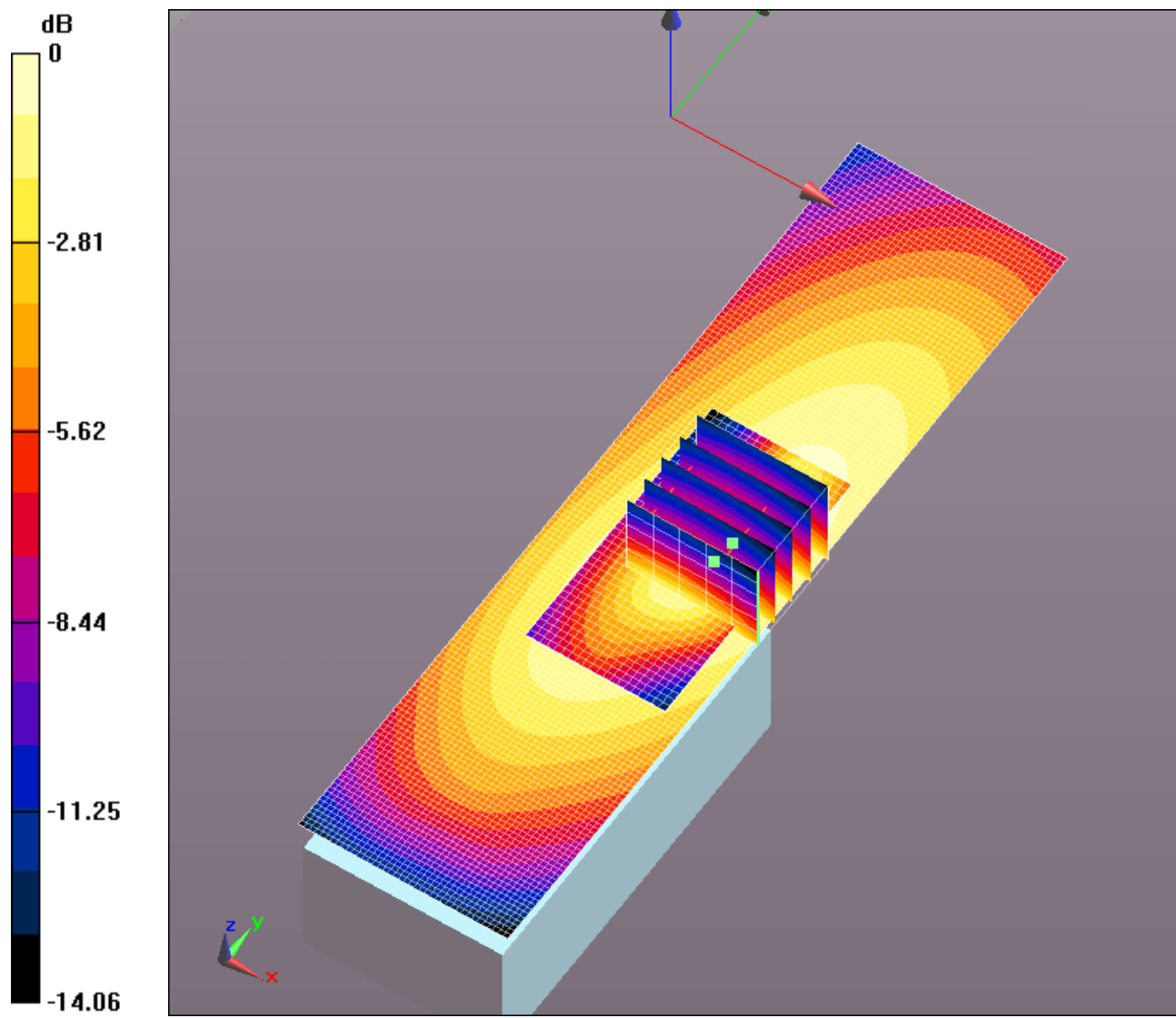
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 10.3 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 110.8 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 11.6 W/kg
SAR(1 g) = 8.2 W/kg; SAR(10 g) = 6.09 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.3 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 9.34 W/kg



0 dB = 10.3 W/kg = 10.15 dBW/kg

Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC25US 158MM 430MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 430 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 56.116$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

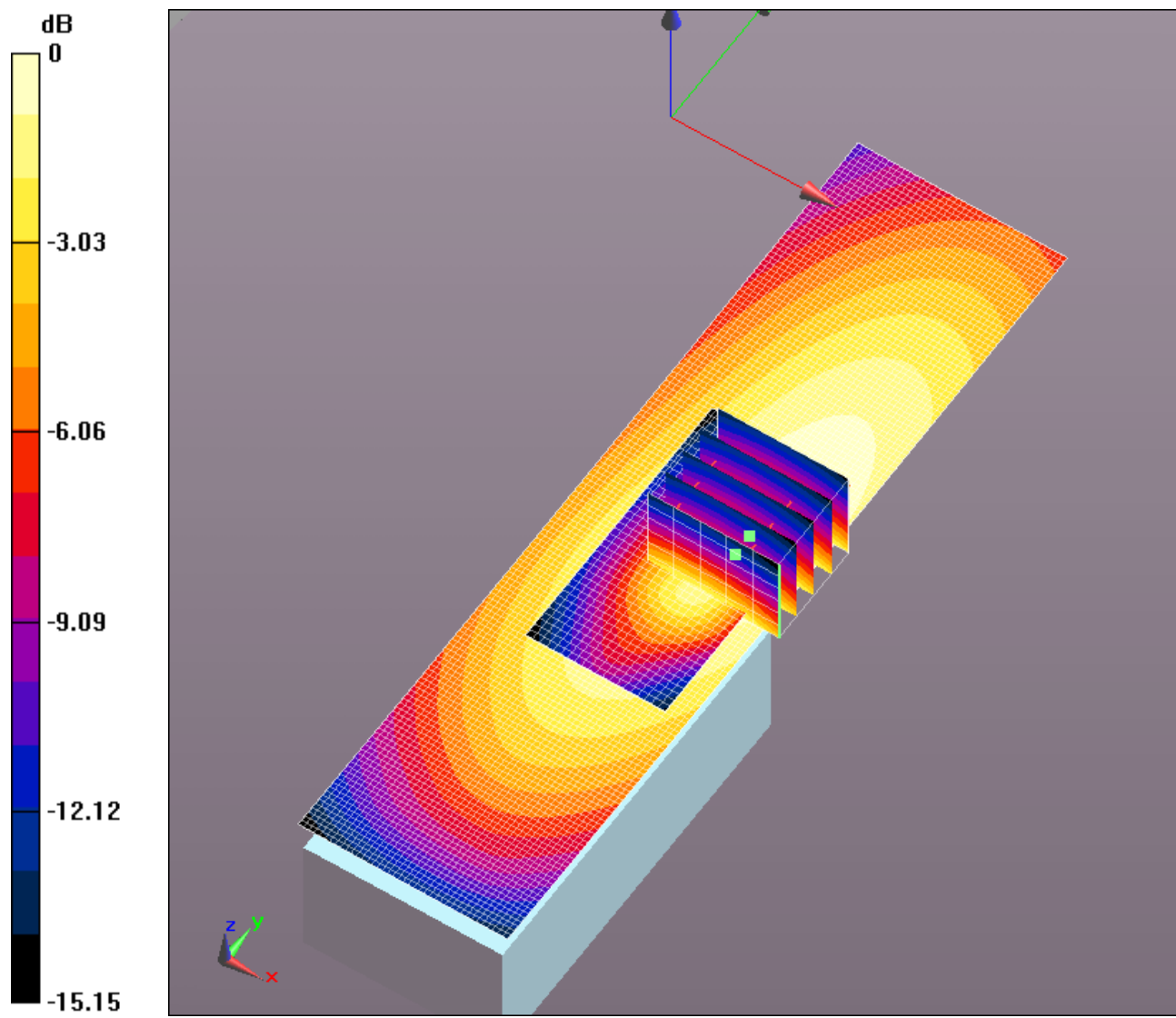
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 11.1 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 112.1 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = 11.8 W/kg
SAR(1 g) = 8.28 W/kg; SAR(10 g) = 6.13 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.5 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 9.89 W/kg



0 dB = 11.1 W/kg = 10.46 dBW/kg

Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC57U 140MM 443.33MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 443.33 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 443.33 \text{ MHz}$; $\sigma = 0.895 \text{ S/m}$; $\epsilon_r = 55.865$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 7.24 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 91.96 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 8.19 W/kg
SAR(1 g) = 5.72 W/kg; SAR(10 g) = 4.23 W/kg (SAR corrected for target medium)

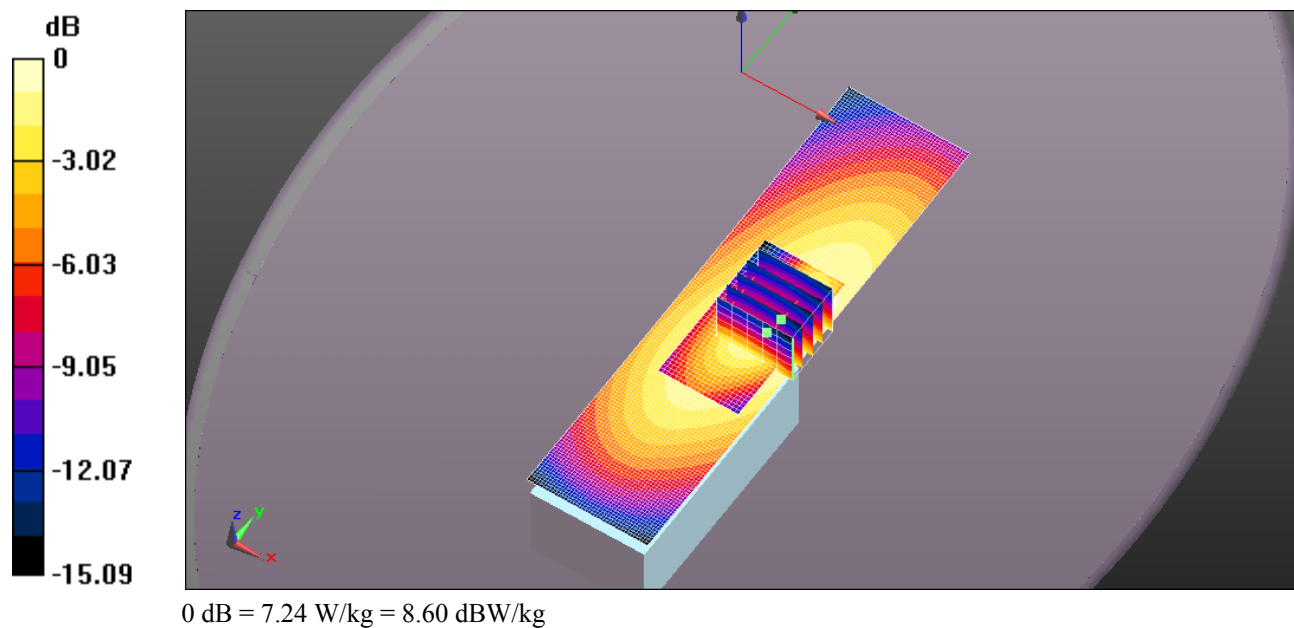
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 7.24 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 6.58 W/kg



Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC57U 140MM 470MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 55.413$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

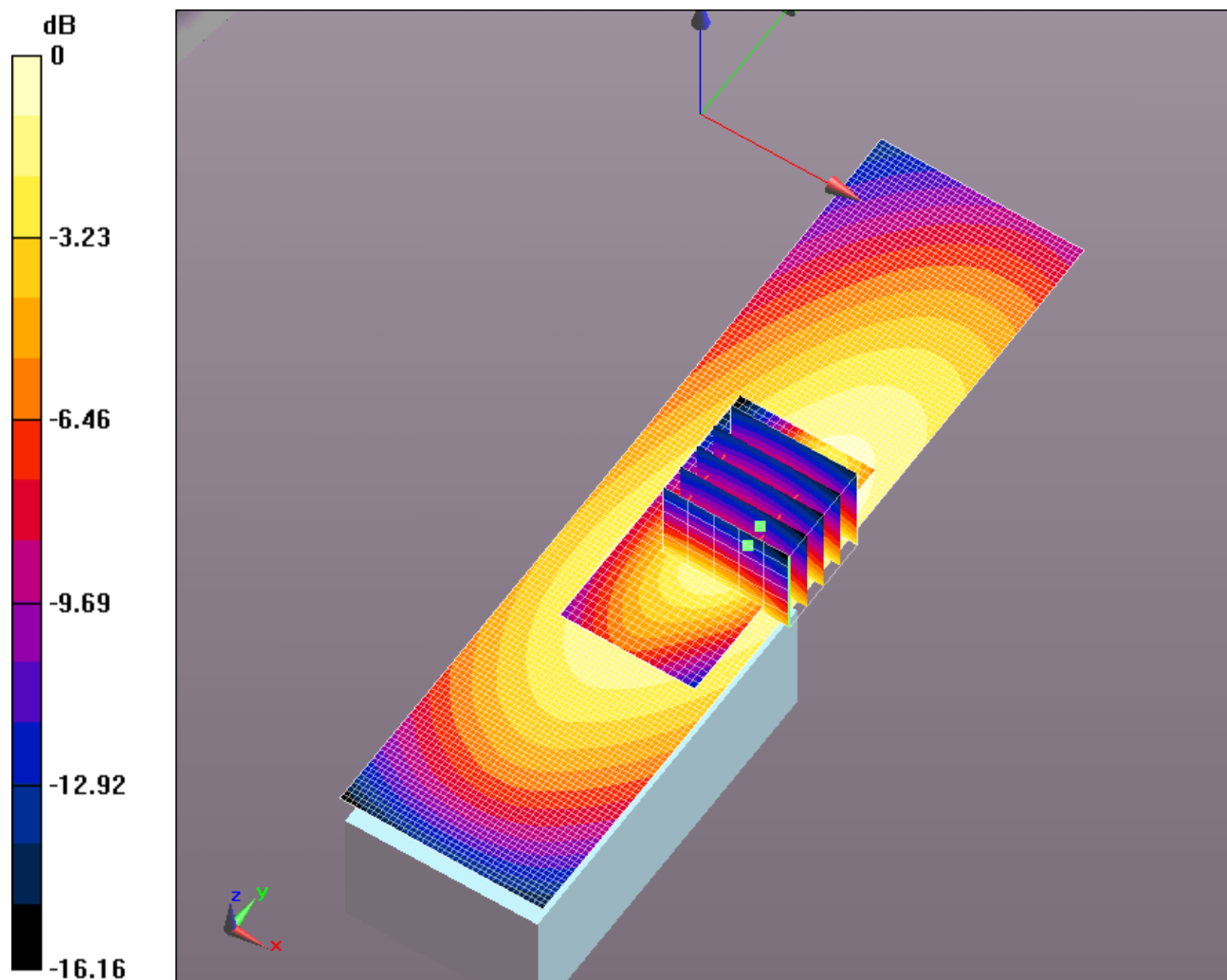
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 10.0 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/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 = -0.09 dB
Peak SAR (extrapolated) = 11.4 W/kg
SAR(1 g) = 7.83 W/kg; SAR(10 g) = 5.71 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.0 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 9.00 W/kg



0 dB = 10.0 W/kg = 10.01 dBW/kg

Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC73US 60MM 470MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 55.413$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

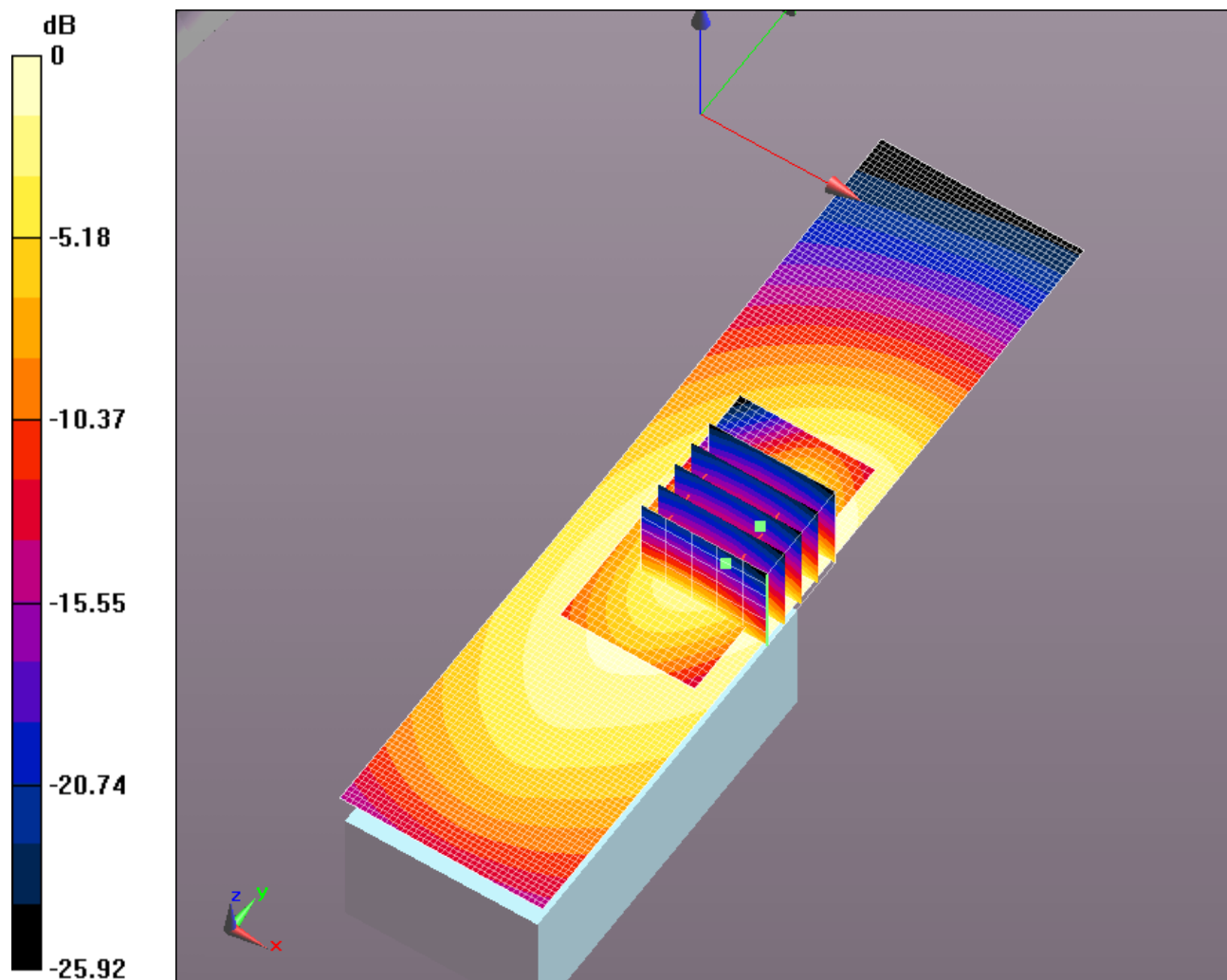
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 9.30 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 101.7 V/m ; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 9.49 W/kg
SAR(1 g) = 6.54 W/kg ; SAR(10 g) = 4.75 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.37 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 8.20 W/kg



0 dB = 9.30 W/kg = 9.69 dBW/kg

Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC26US 60MM 412.5MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 412.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 412.5$ MHz; $\sigma = 0.864$ S/m; $\epsilon_r = 56.398$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 5.76 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.02 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 6.56 W/kg
SAR(1 g) = 4.56 W/kg; SAR(10 g) = 3.35 W/kg (SAR corrected for target medium)

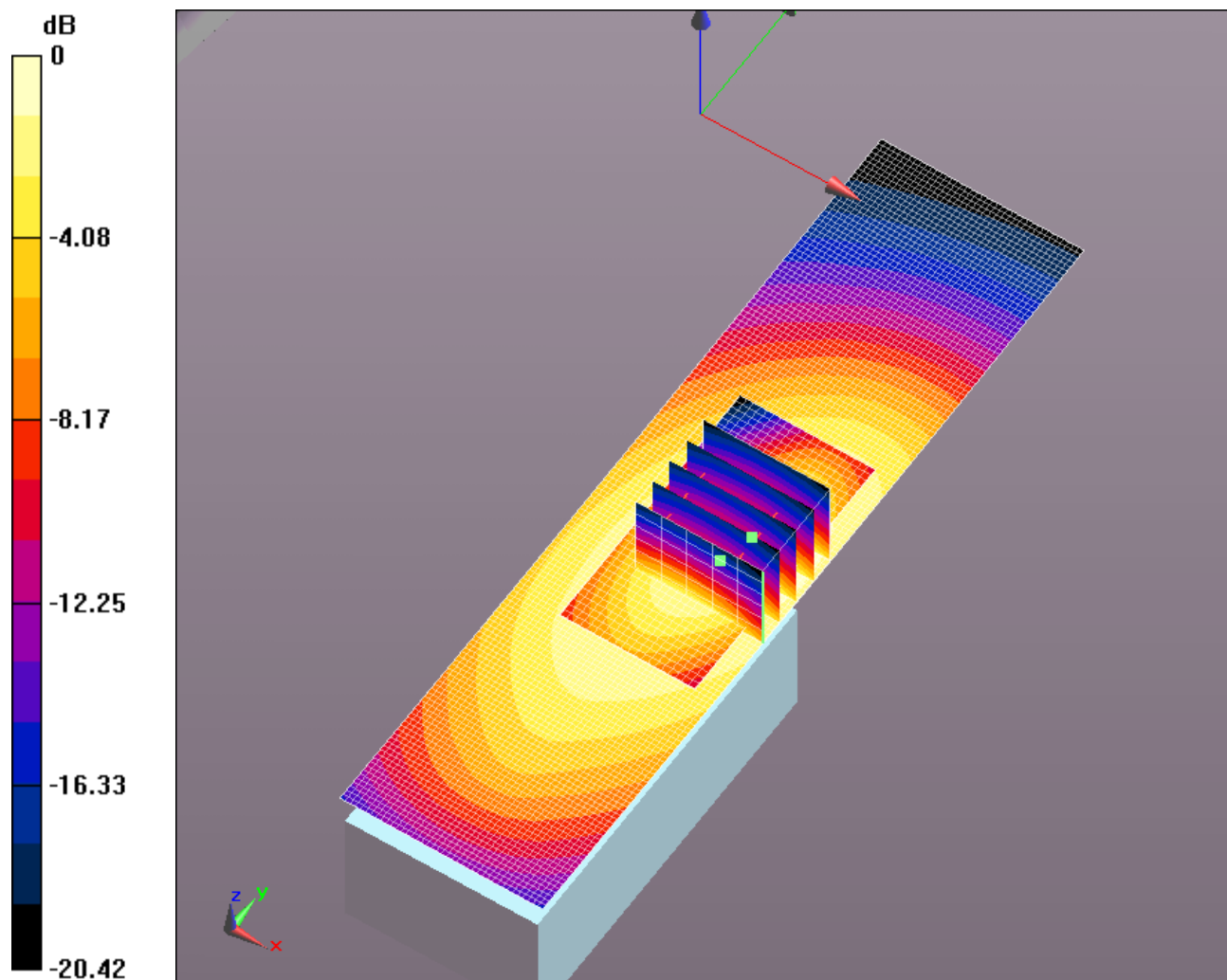
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 5.79 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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



0 dB = 5.76 W/kg = 7.60 dBW/kg

Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC26US 60MM 437.5MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 437.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 437.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 55.965$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 5.82 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.43 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 6.19 W/kg
SAR(1 g) = 4.31 W/kg; SAR(10 g) = 3.16 W/kg (SAR corrected for target medium)

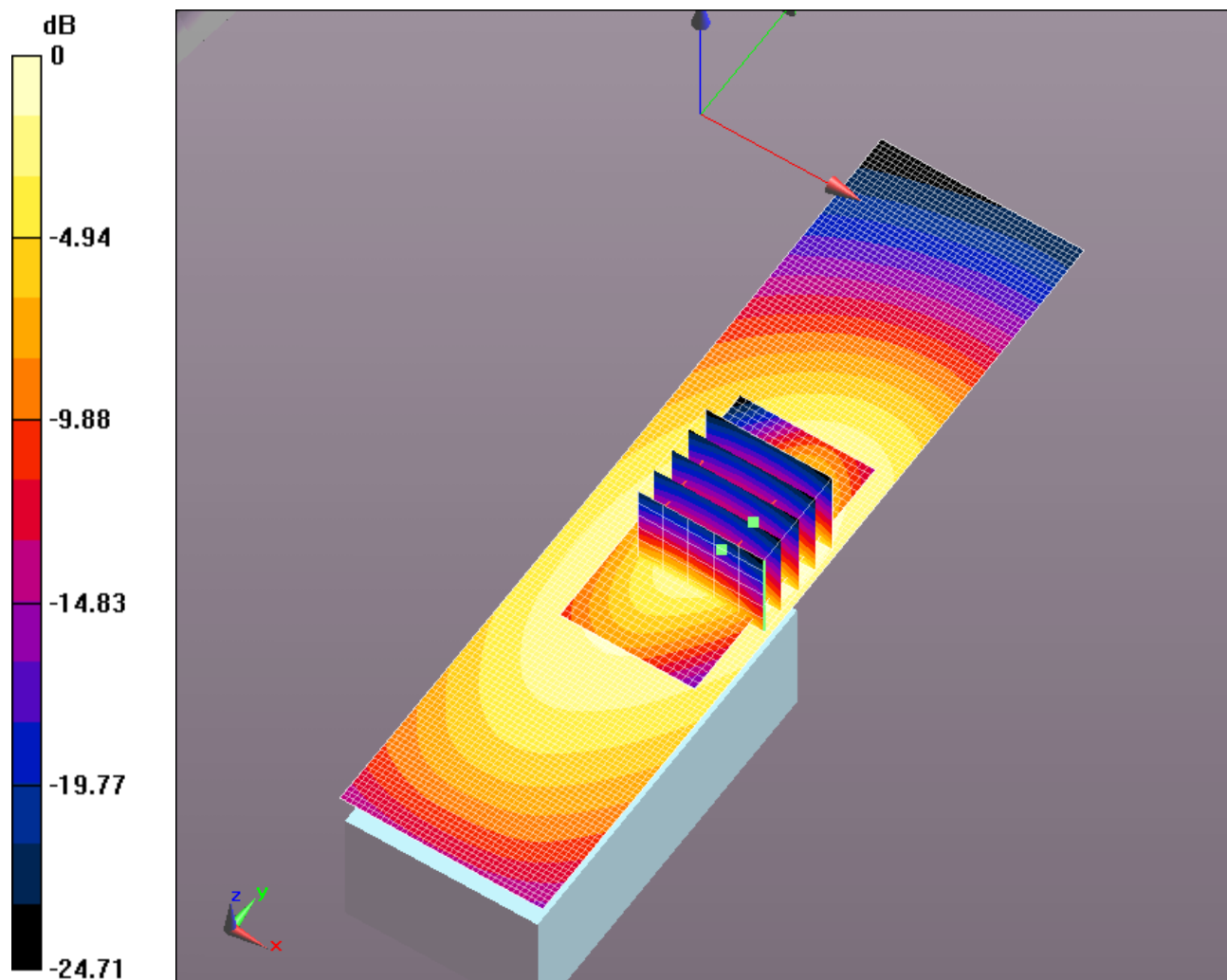
[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 5.47 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 5.17 W/kg



0 dB = 5.82 W/kg = 7.65 dBW/kg

EXHIBIT 4. BODY SAR MEASUREMENT – CUT ANTENNA SUMMARY

Test Laboratory: Ultratech Group of Labs

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

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400 \text{ MHz}$; $\sigma = 0.851 \text{ S/m}$; $\epsilon_r = 56.519$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

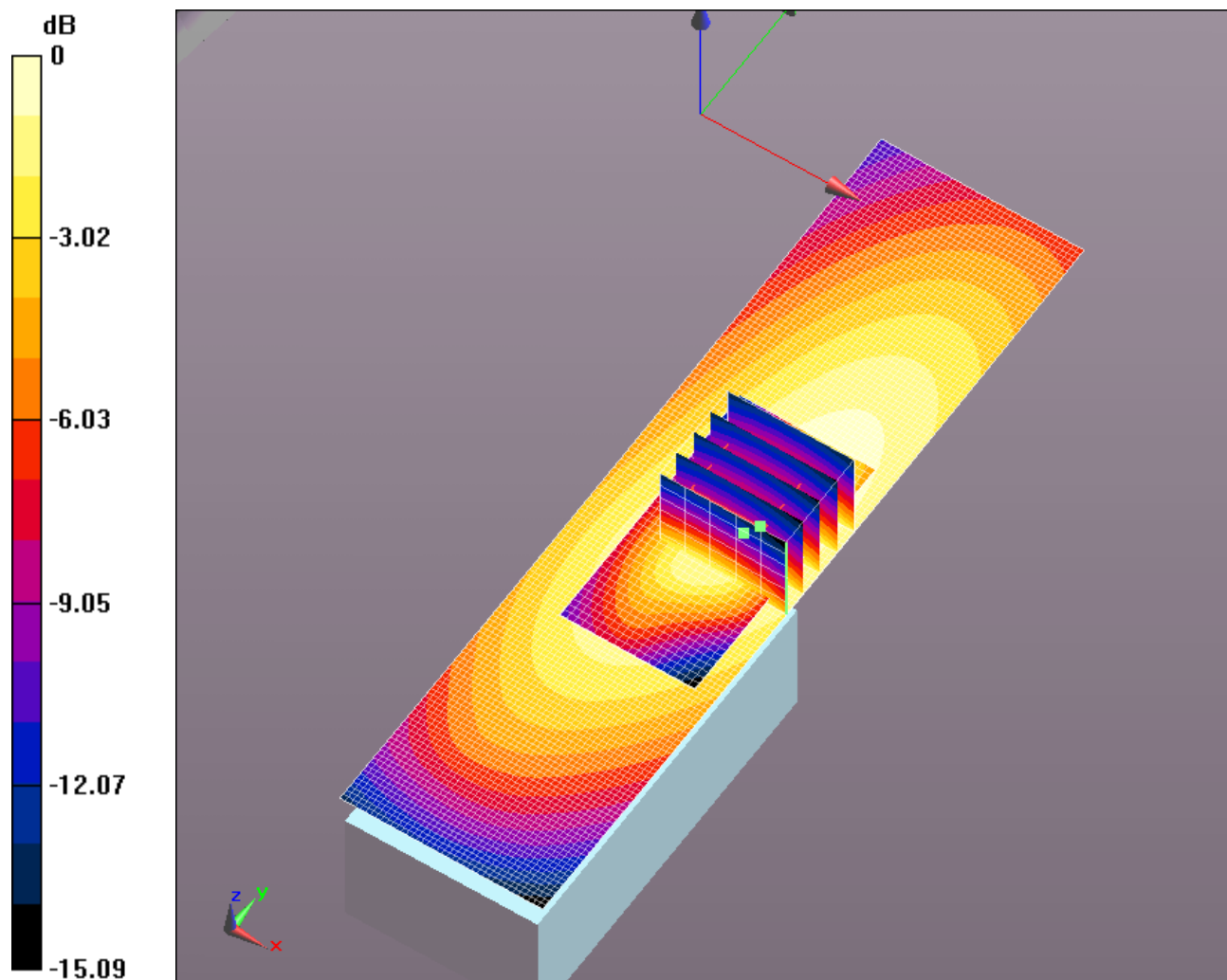
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 9.23 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 106.1 V/m ; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 7.31 W/kg; SAR(10 g) = 5.43 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.23 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 8.16 W/kg



0 dB = 9.23 W/kg = 9.65 dBW/kg

Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC61UC 165MM 435MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 435 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 56.001$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

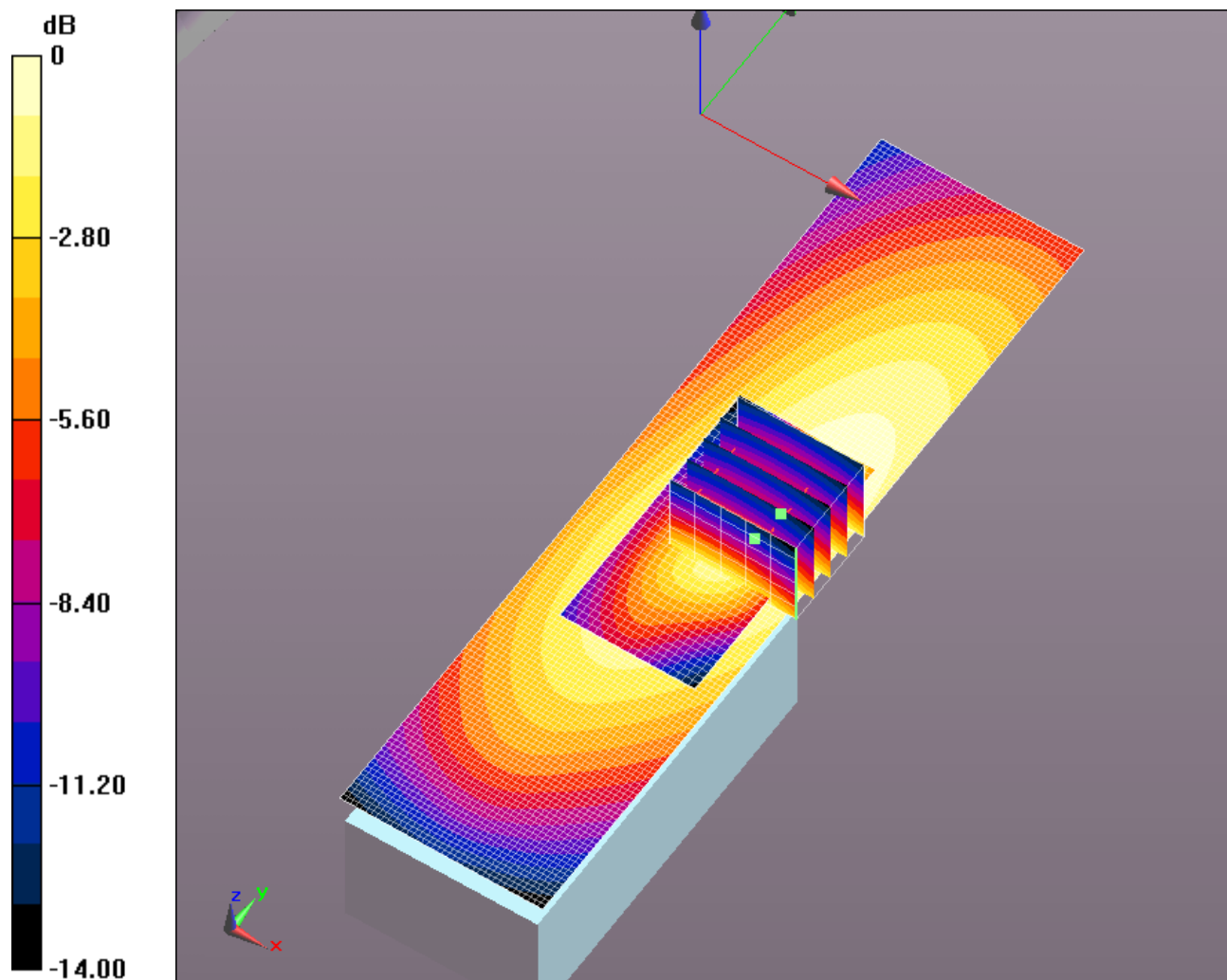
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 9.19 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 104.8 V/m; Power Drift = -0.59 dB
Peak SAR (extrapolated) = 9.61 W/kg
SAR(1 g) = 6.71 W/kg; SAR(10 g) = 4.96 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.51 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 8.95 W/kg



Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC61UC 156MM 400MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400 \text{ MHz}$; $\sigma = 0.851 \text{ S/m}$; $\epsilon_r = 56.519$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

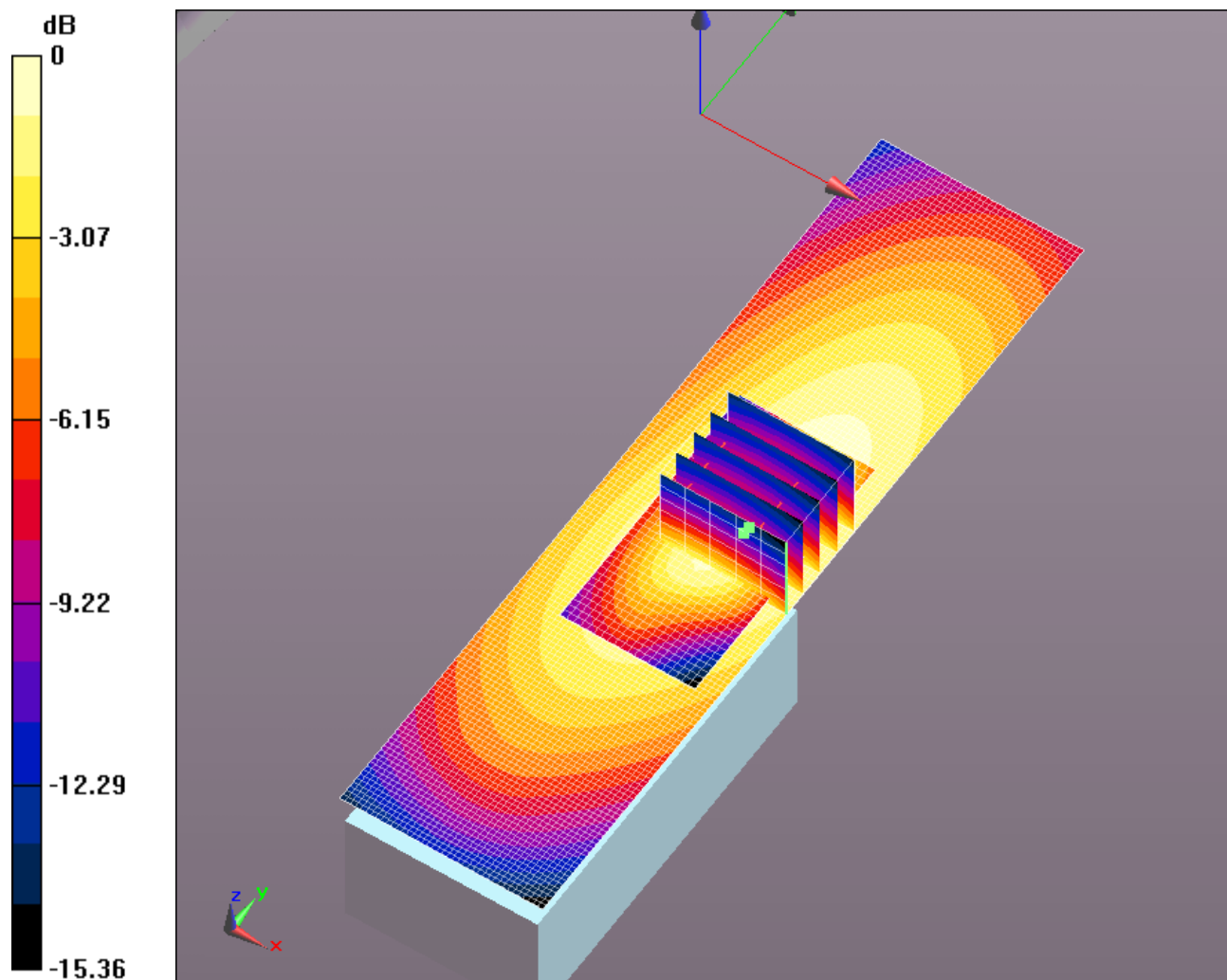
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 6.05 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 85.21 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 6.85 W/kg
SAR(1 g) = 4.77 W/kg; SAR(10 g) = 3.52 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.06 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 5.03 W/kg



0 dB = 6.05 W/kg = 7.82 dBW/kg

Test Laboratory: Ultratech Group of Labs

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

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 420 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 420 \text{ MHz}$; $\sigma = 0.874 \text{ S/m}$; $\epsilon_r = 56.348$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

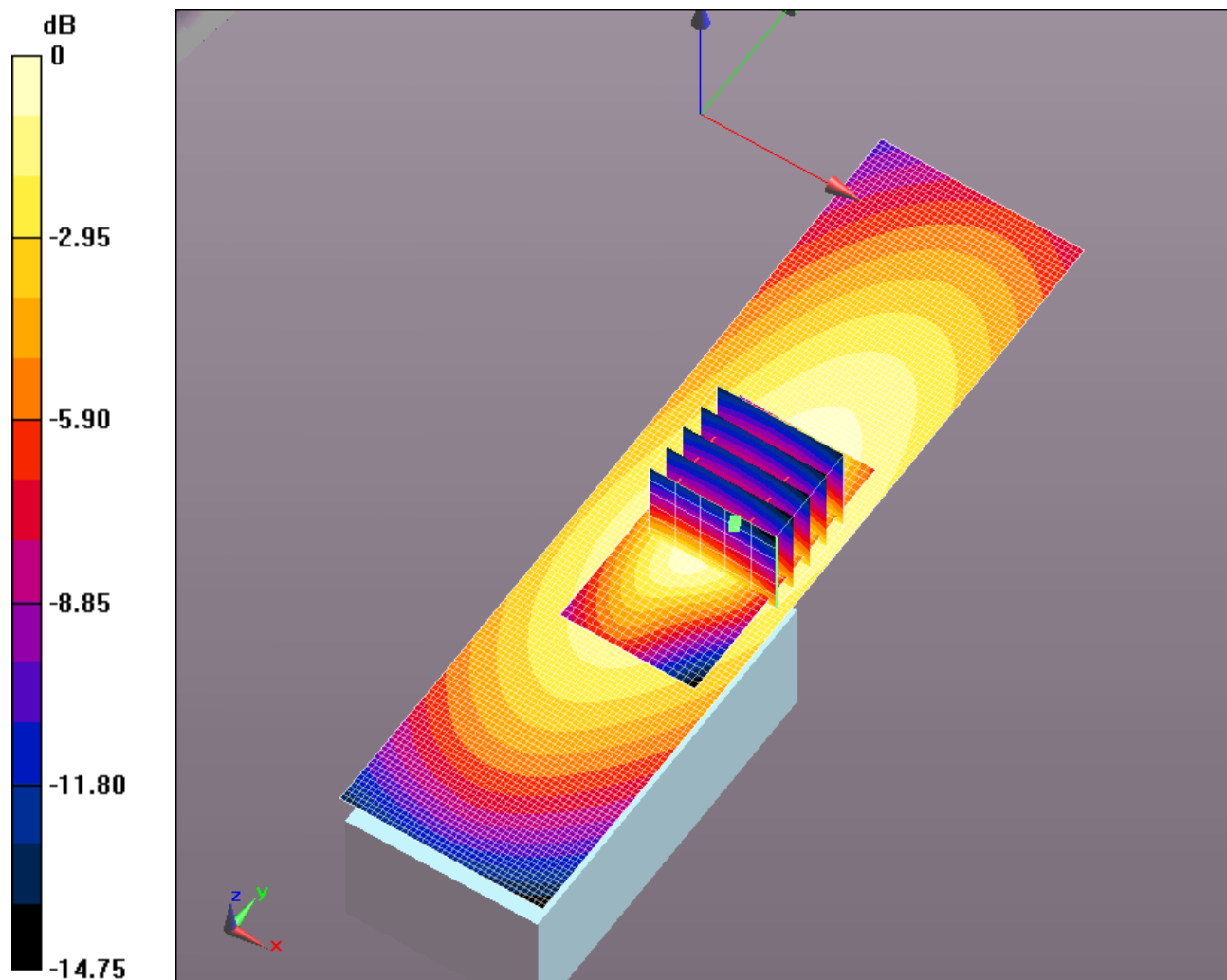
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 10.5 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 111.1 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 11.9 W/kg
SAR(1 g) = 8.34 W/kg; SAR(10 g) = 6.17 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 10.6 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 8.90 W/kg



0 dB = 10.5 W/kg = 10.22 dBW/kg

Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC61UC 156MM 443.3.5MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 443.3 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 443.3$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 55.865$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 116.0 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 13.0 W/kg
SAR(1 g) = 9.11 W/kg; SAR(10 g) = 6.77 W/kg (SAR corrected for target medium)

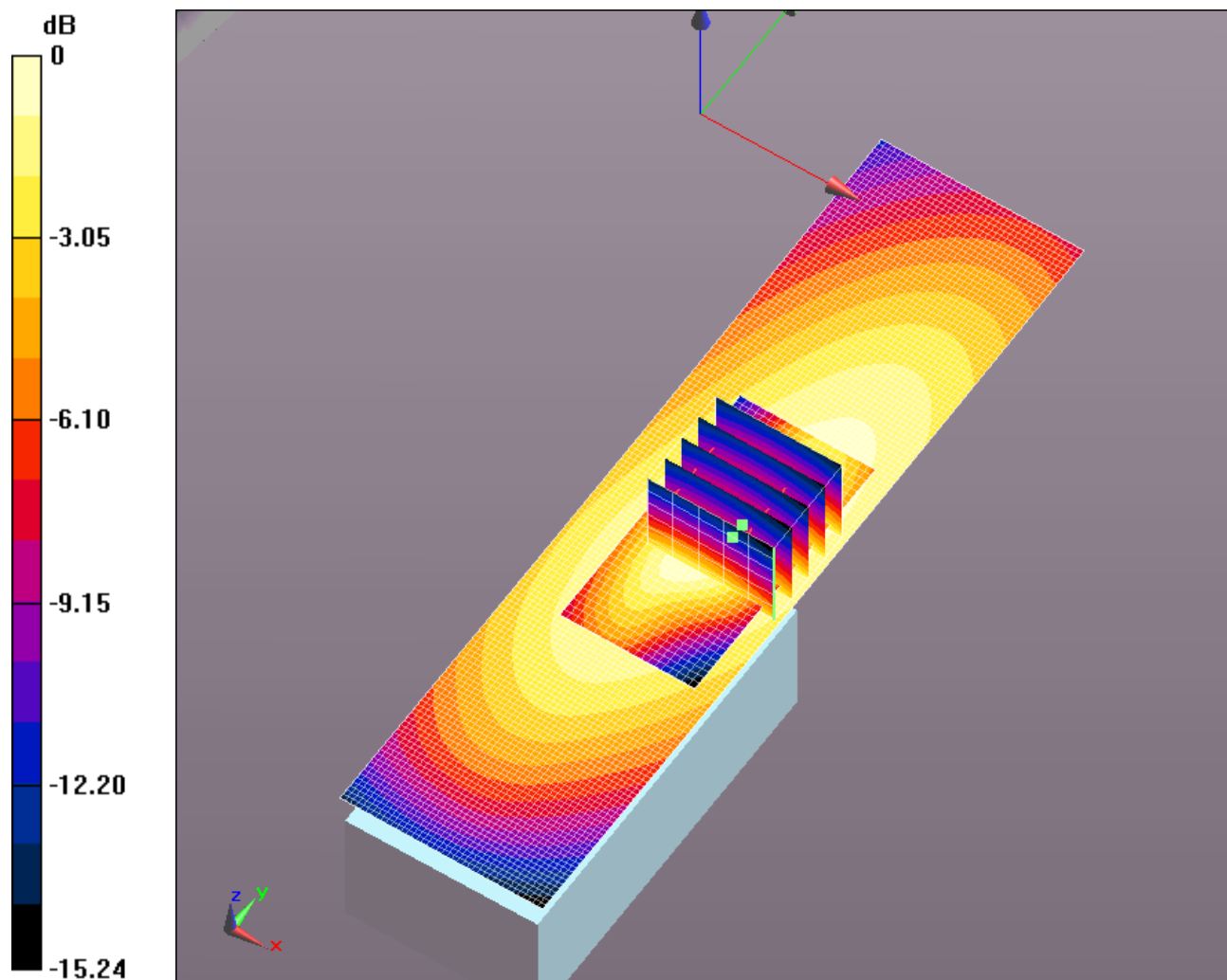
[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 9.52 W/kg



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

Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC61UC 156MM 470MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 470 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 55.413$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

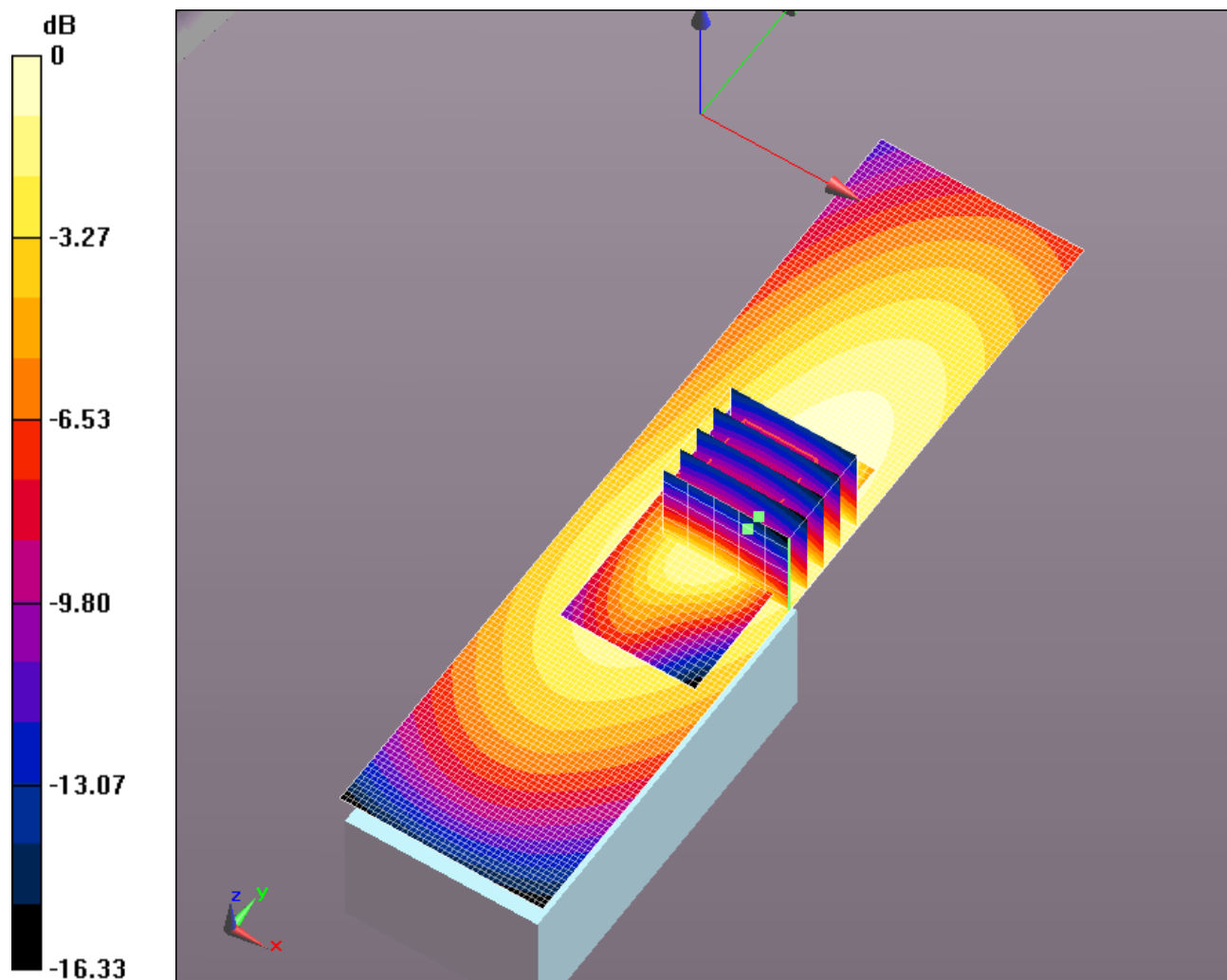
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 9.27 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 103.2 V/m; Power Drift = -0.22 dB
Peak SAR (extrapolated) = 9.95 W/kg
SAR(1 g) = 6.89 W/kg; SAR(10 g) = 5.03 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.78 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 8.44 W/kg



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

Test Laboratory: Ultratech Group of Labs

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

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 440 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 55.929$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

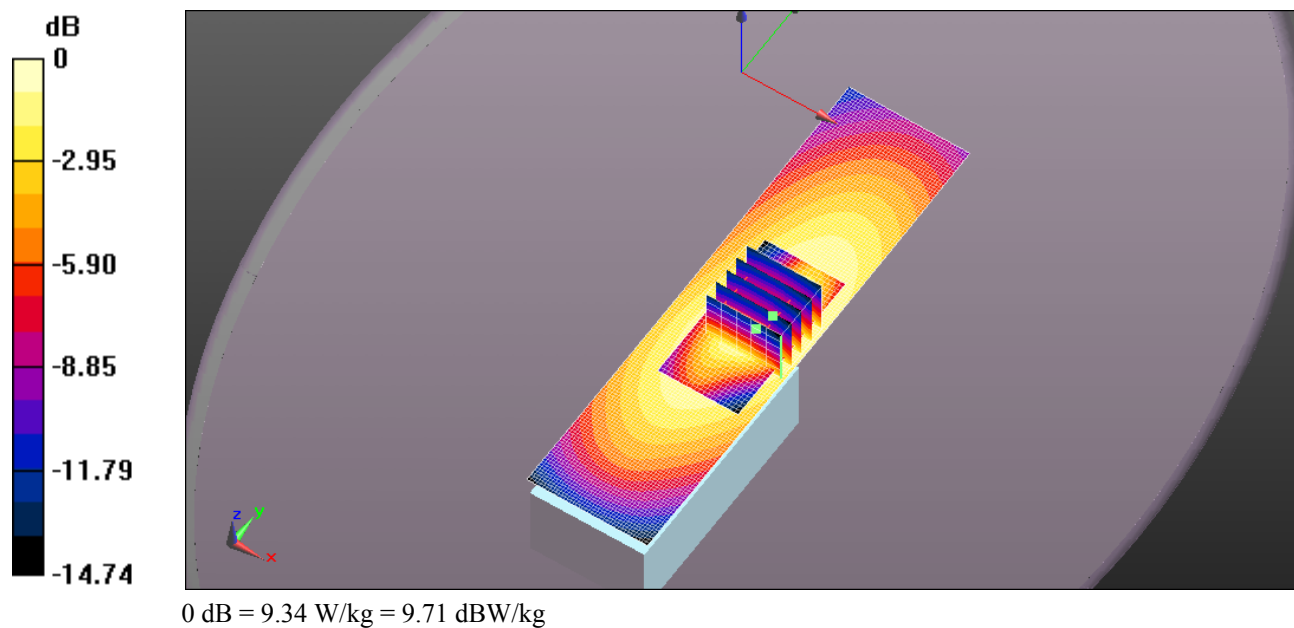
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 9.34 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 103.7 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 7.37 W/kg; SAR(10 g) = 5.42 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.33 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 8.21 W/kg



Test Laboratory: Ultratech Group of Labs

FILE NAME: [BP-280 SC61UC 142MM 400MHZ.DA52:0](#)

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 400 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 400 \text{ MHz}$; $\sigma = 0.851 \text{ S/m}$; $\epsilon_r = 56.519$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

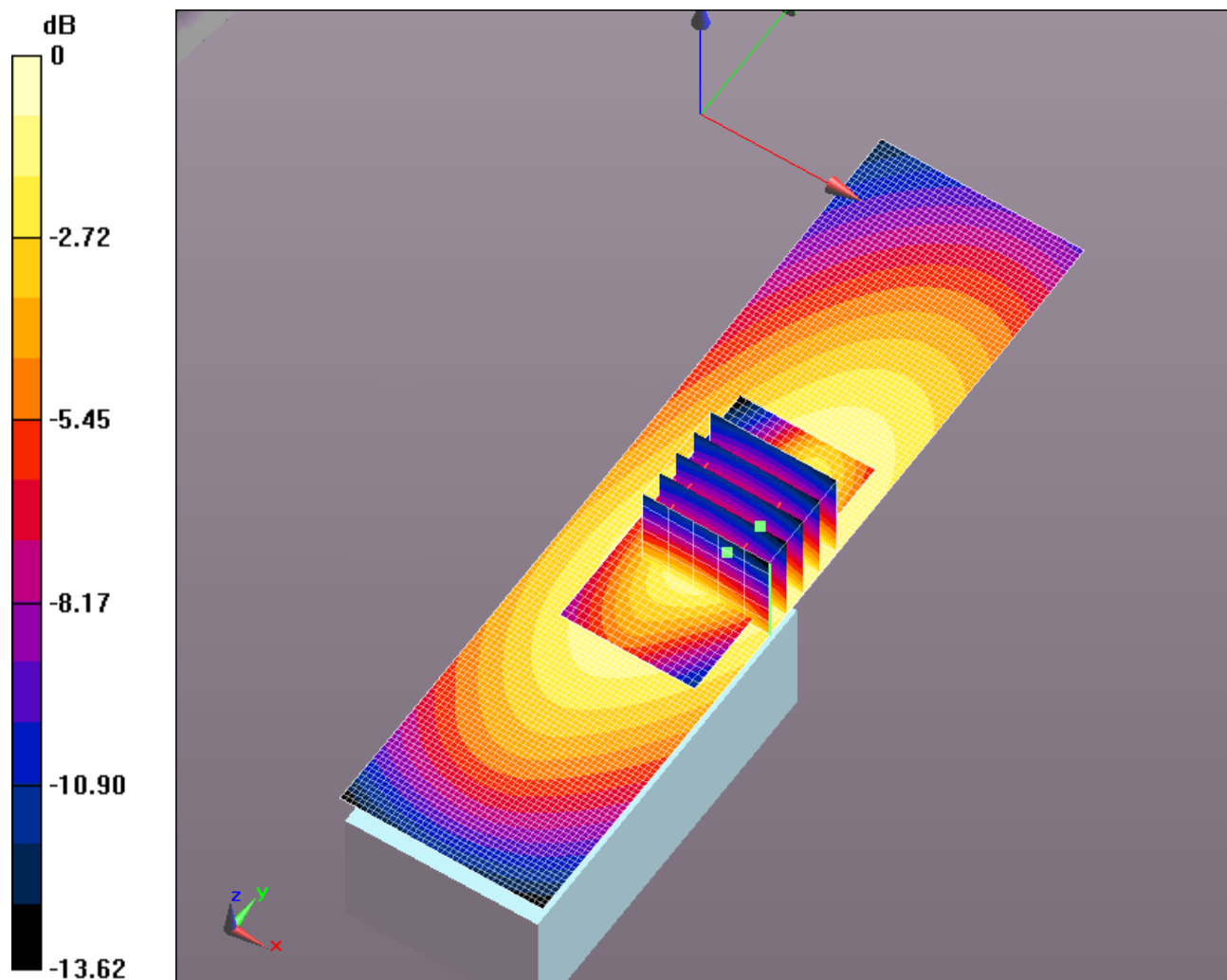
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 6.54 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 89.94 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 7.42 W/kg
SAR(1 g) = 5.2 W/kg; SAR(10 g) = 3.84 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 6.56 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 5.85 W/kg



0 dB = 6.54 W/kg = 8.16 dBW/kg

Test Laboratory: Ultratech Group of Labs

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

DUT: DUT Sample Brick w. Antenna; Type: Sample; Serial: IMEI Number
Program Name: System Performance Check at 450 MHz

Communication System: UID 10000, CW; Frequency: 460 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 460 \text{ MHz}$; $\sigma = 0.906 \text{ S/m}$; $\epsilon_r = 55.564$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

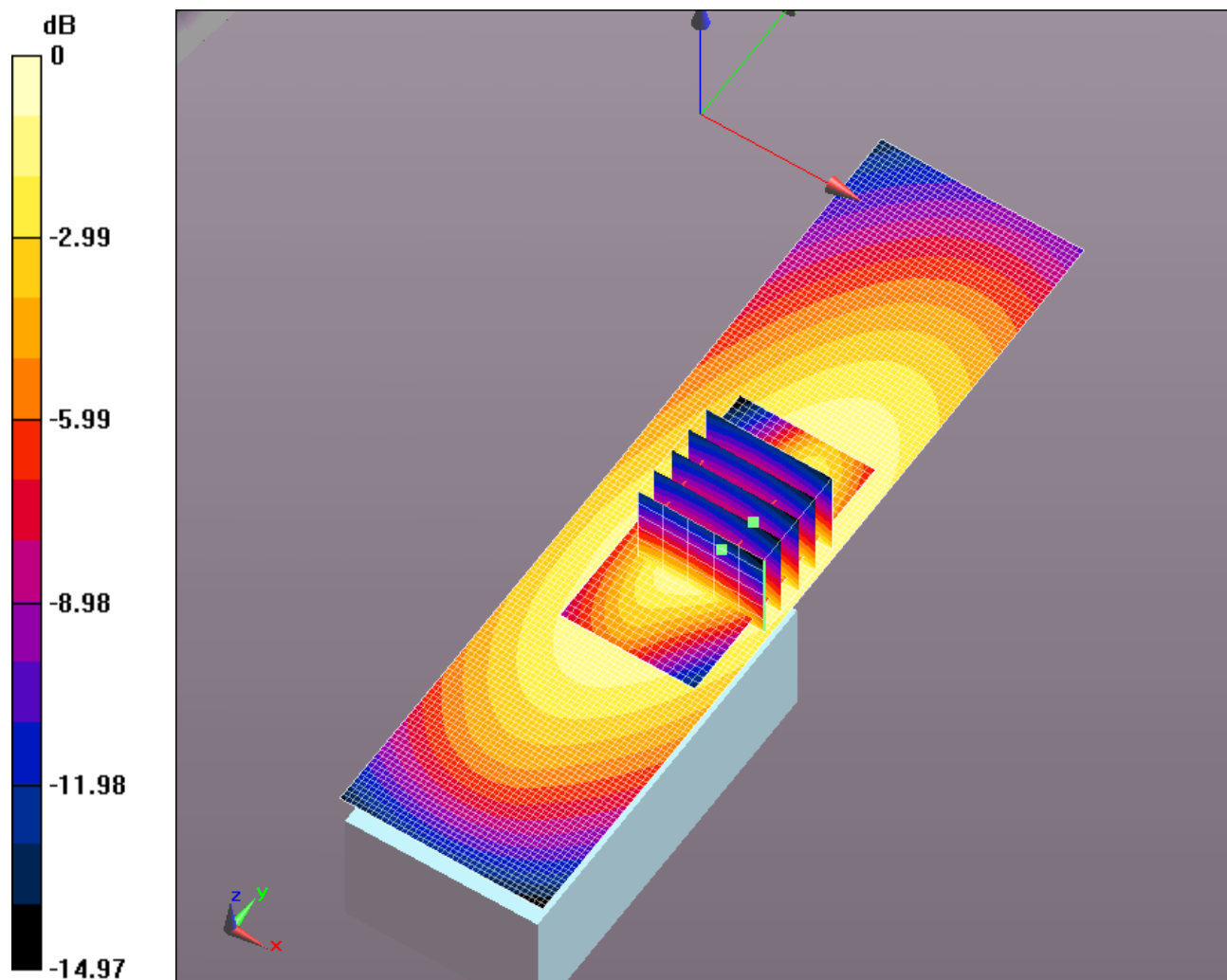
DASY4 Configuration:

- Probe: EX3DV4 - SN3673; ConvF(9.11, 9.11, 9.11); Calibrated: 10/17/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn874; Calibrated: 3/24/2014
- Phantom: ELI 4.0; Type: QD OVA 001 BB; Serial: 1057
- ; SEMCAD X Version 14.6.10 (7331)

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Area Scan (41x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 9.22 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/Zoom Scan (5x5x7) (6x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 102.9 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 7.31 W/kg; SAR(10 g) = 5.36 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.26 W/kg

ICOM IC-F2000T 400-470 MHz Body/Body - Belt Clip Touching, d=0mm, Pin=4W (ES-Probe)/FindMax (21x41x1): Interpolated grid: $dx=2.000 \text{ mm}$, $dy=2.000 \text{ mm}$
Maximum value of SAR (interpolated) = 8.06 W/kg



0 dB = 9.22 W/kg = 9.65 dBW/kg