

System Check_Head_835MHz

DUT: D835V2-4d167

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL_850_200911 Medium parameters used: $f = 835$ MHz; $\sigma = 0.902$ S/m; $\epsilon_r = 43.373$; $\rho = 1000$ kg/m³

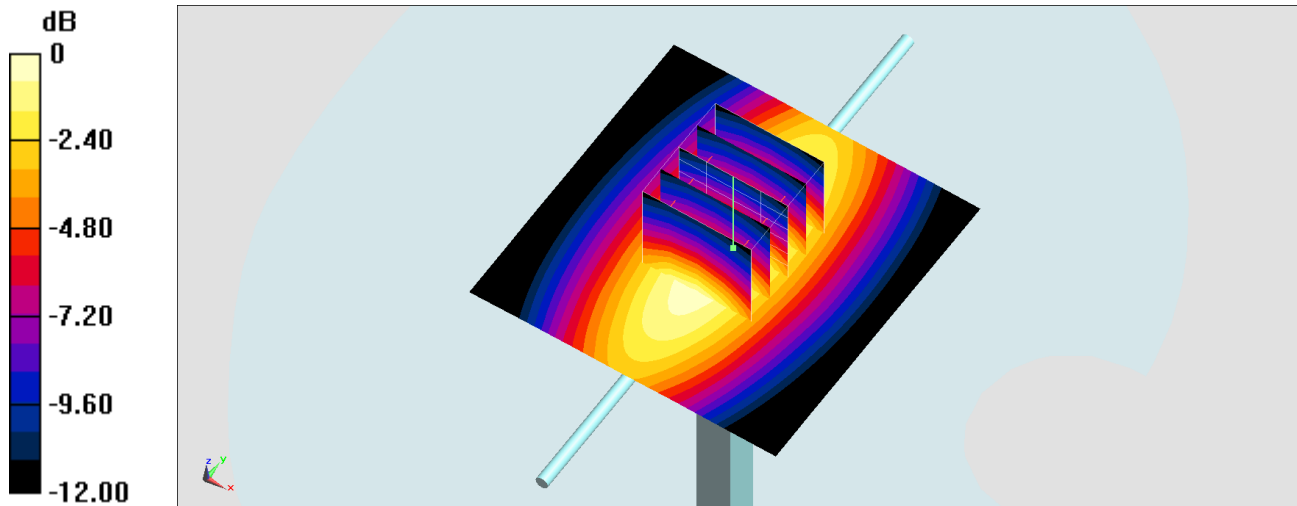
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(9.8, 9.8, 9.8) @ 835 MHz; Calibrated: 2019/9/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2020/6/4
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.13 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 62.56 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 3.46 W/kg
SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.55 W/kg
Maximum value of SAR (measured) = 3.14 W/kg



0 dB = 3.13 W/kg = 4.96 dBW/kg

System Check_Head_1750MHz

DUT: D1750V2-1112

Communication System: CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: HSL_1750_200911 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.338$ S/m; $\epsilon_r = 39.73$; $\rho = 1000$ kg/m³

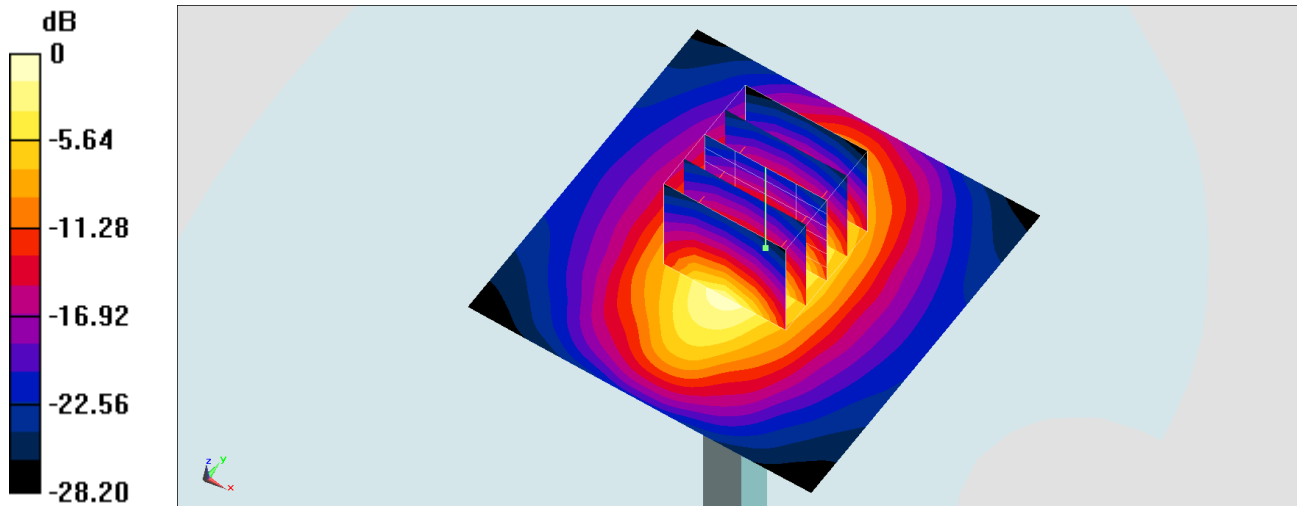
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3931; ConvF(8.66, 8.66, 8.66) @ 1750 MHz; Calibrated: 2019/9/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2020/6/4
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.5 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 104.6 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 16.8 W/kg
SAR(1 g) = 9.31 W/kg; SAR(10 g) = 4.96 W/kg
Maximum value of SAR (measured) = 14.2 W/kg



0 dB = 14.5 W/kg = 11.61 dBW/kg

System Check_Head_2300MHz

DUT: D2300V2-1006

Communication System: CW ; Frequency: 2300 MHz;Duty Cycle: 1:1

Medium: HSL_2300_200911 Medium parameters used: $f = 2300$ MHz; $\sigma = 1.626$ S/m; $\epsilon_r = 40.602$; $\rho = 1000$ kg/m³

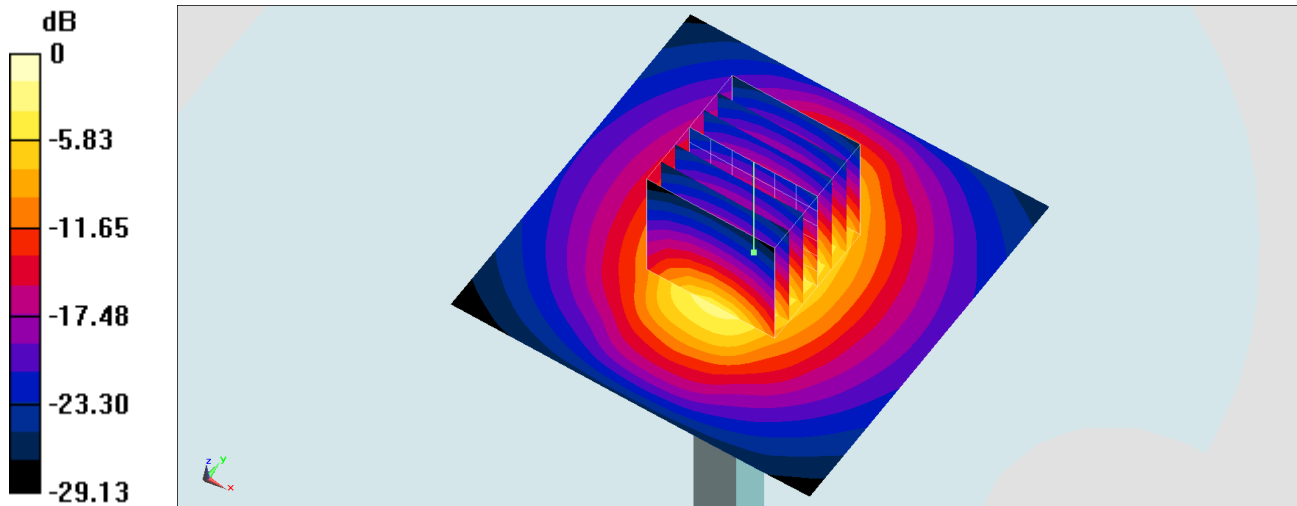
Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3931;ConvF(7.83, 7.83, 7.83) @ 2300 MHz;Calibrated: 2019/9/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2020/6/4
- Phantom: SAM_Right; Type: QD000P40CD; Serial: 1884
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 19.6 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 110.9 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 24.2 W/kg
SAR(1 g) = 11.9 W/kg; SAR(10 g) = 5.61 W/kg
Maximum value of SAR (measured) = 19.3 W/kg



0 dB = 19.6 W/kg = 12.92 dBW/kg

System Check_Head_2600MHz

DUT: D2600V2-1008

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: HSL_2600_200915 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.916$ S/m; $\epsilon_r = 37.791$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.2 °C

DASY5 Configuration

- Probe: EX3DV4 - SN3931; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2019/9/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: SAM_Right; Type: SAM; Serial: TP:1446
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 24.0 W/kg

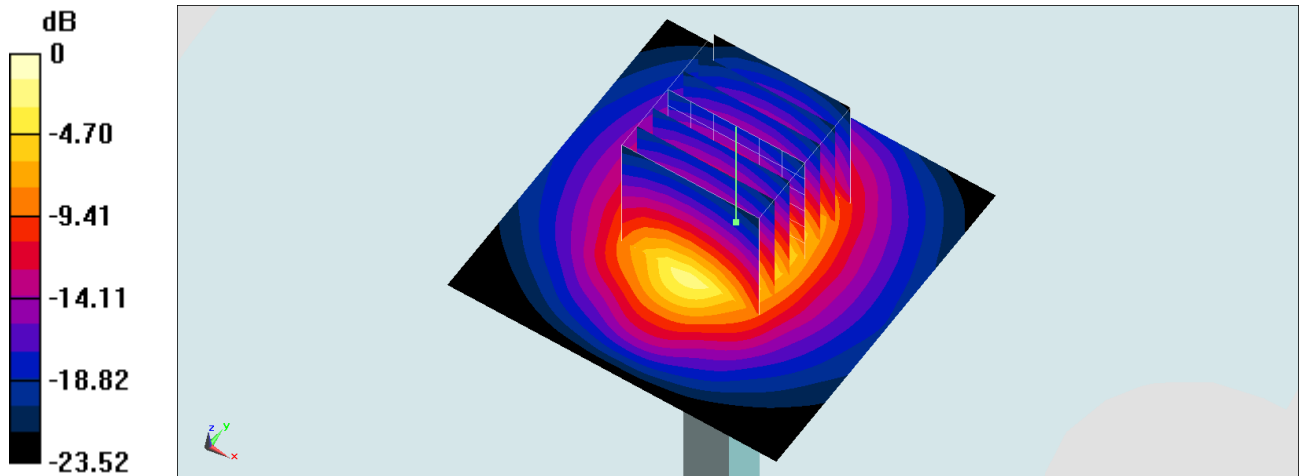
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 114.4 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 28.4 W/kg

SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.04 W/kg

Maximum value of SAR (measured) = 23.0 W/kg



0 dB = 23.0 W/kg = 13.62 dBW/kg

Test Laboratory: Sporton International Inc.

Device Under Test Properties

Manufacturer	Dimensions [mm]	IMEI	DUT Type
	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz]	Conversion Factor
5G	FRONT, 5.55	30000.0	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9461_F1-78GHz, 2019-11-05	DAE4 Sn1424, 2020-01-24

Scans Setup

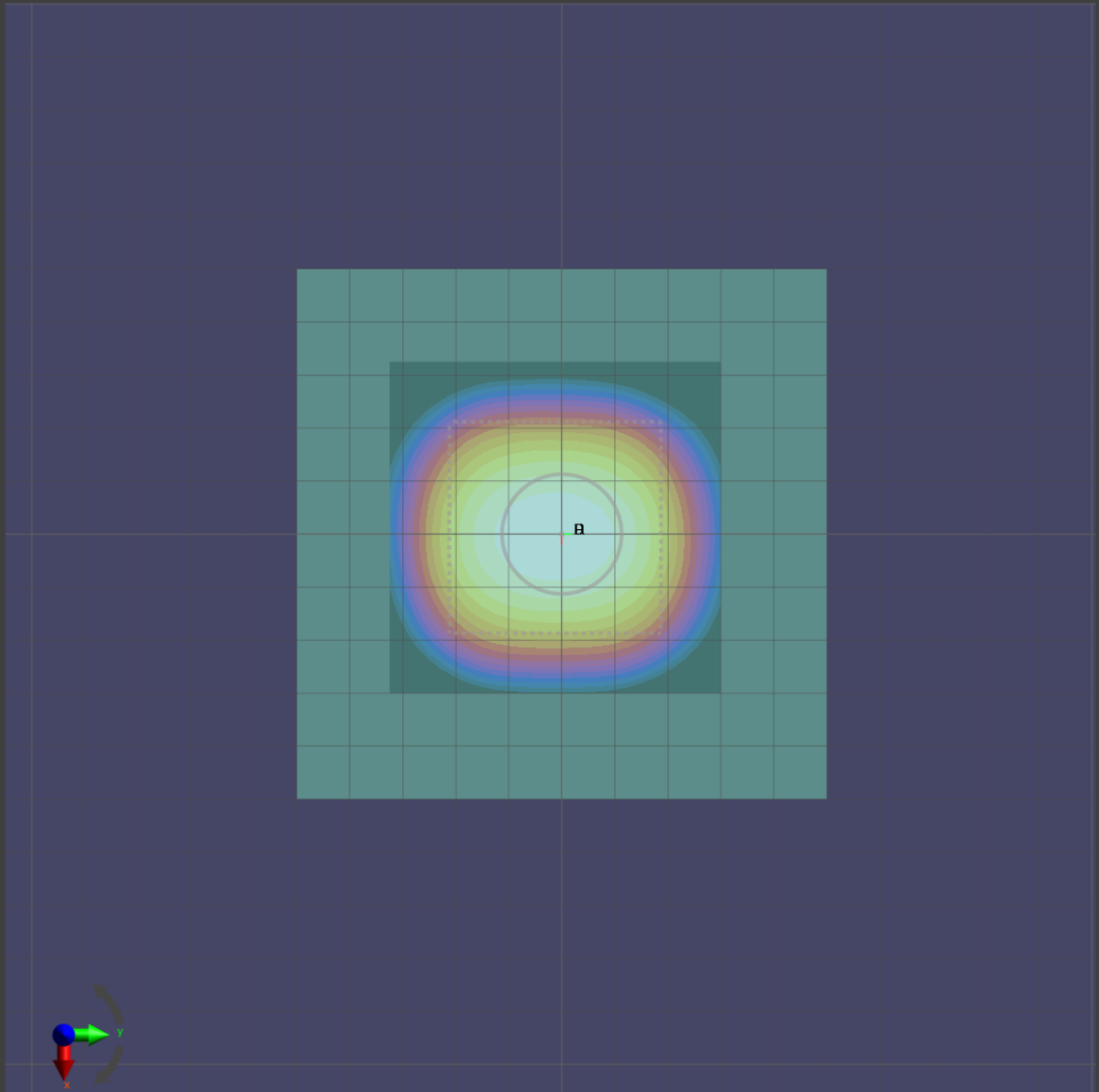
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55

Measurement Results

Date	2020-07-18, 00:16
Avg. Area [cm ²]	4.00
S _{avg inc} [W/m ²]	32.1
S _{avg tot} [W/m ²]	32.7
S _{peak} [W/m ²]	46.4
E _{peak} [V/m]	132
H _{peak} [A/m]	0.356
Power Drift [dB]	-0.00

Averaged [4.0 cm²] |Re{S}|(x,y,z,f0) [dB(32.7W/m²)]

0



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Test Laboratory: Sporton International Inc.

Device Under Test Properties

Manufacturer	Dimensions [mm]	IMEI	DUT Type
	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz]	Conversion Factor
5G	FRONT, 5.55	30000.0	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9461_F1-78GHz, 2019-11-05	DAE4 Sn1424, 2020-01-24

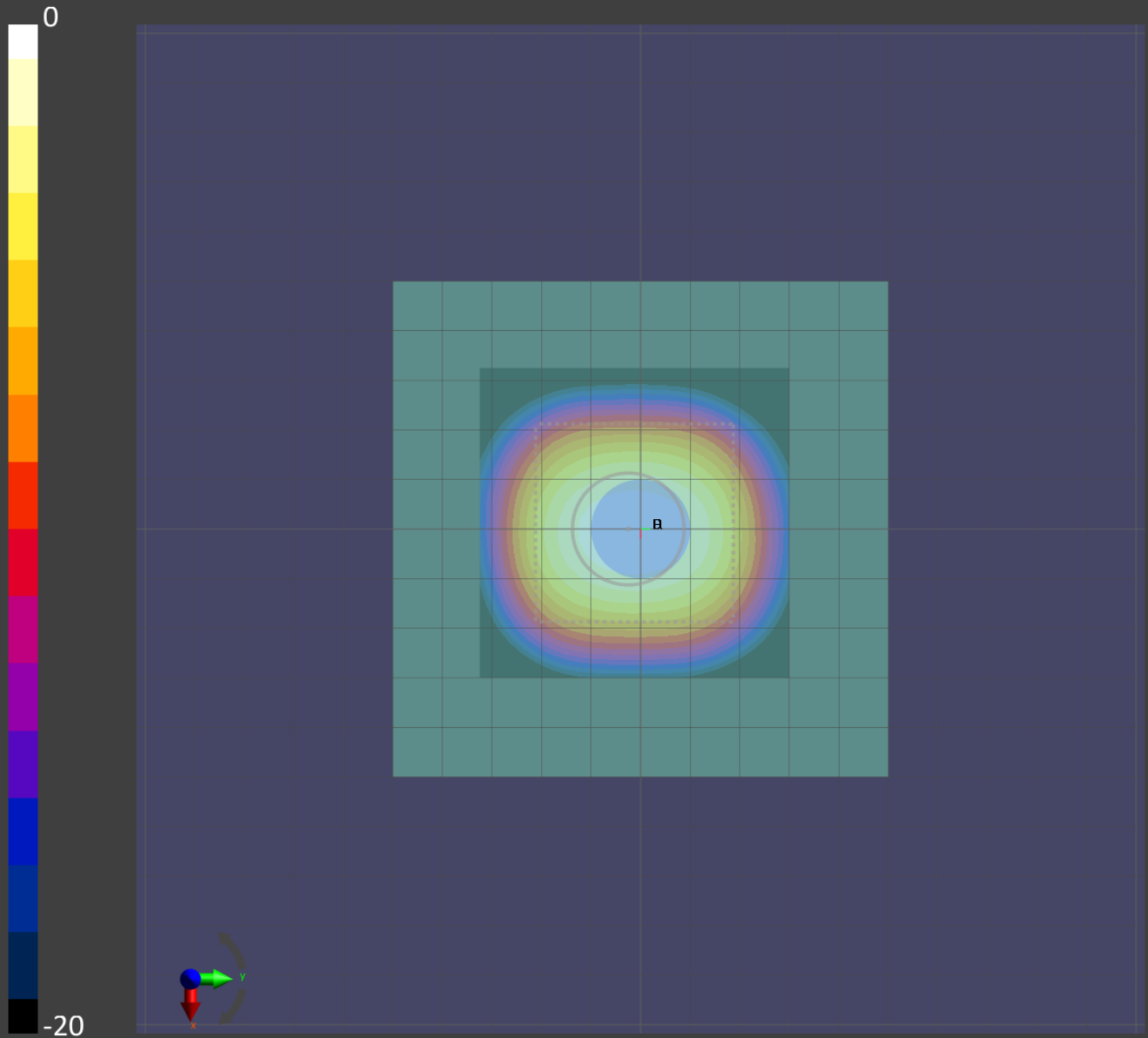
Scans Setup

Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55

Measurement Results

Date	2020-08-01, 00:38
Avg. Area [cm ²]	4.00
S _{avg inc} [W/m ²]	32.1
S _{avg tot} [W/m ²]	32.6
S _{peak} [W/m ²]	46.8
E _{peak} [V/m]	132
H _{peak} [A/m]	0.360
Power Drift [dB]	0.02

Averaged [4.0 cm²] |Re{S}|(x,y,z,f0) [dB(32.6W/m²)]



Test Laboratory: Sporton International Inc.

Device Under Test Properties

Manufacturer	Dimensions [mm]	IMEI	DUT Type
	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Frequency [MHz]	Conversion Factor
5G	FRONT, 5.50	30000.0	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9461_F1-78GHz, 2019-11-05	DAE4 Sn1424, 2020-01-24

Scans Setup

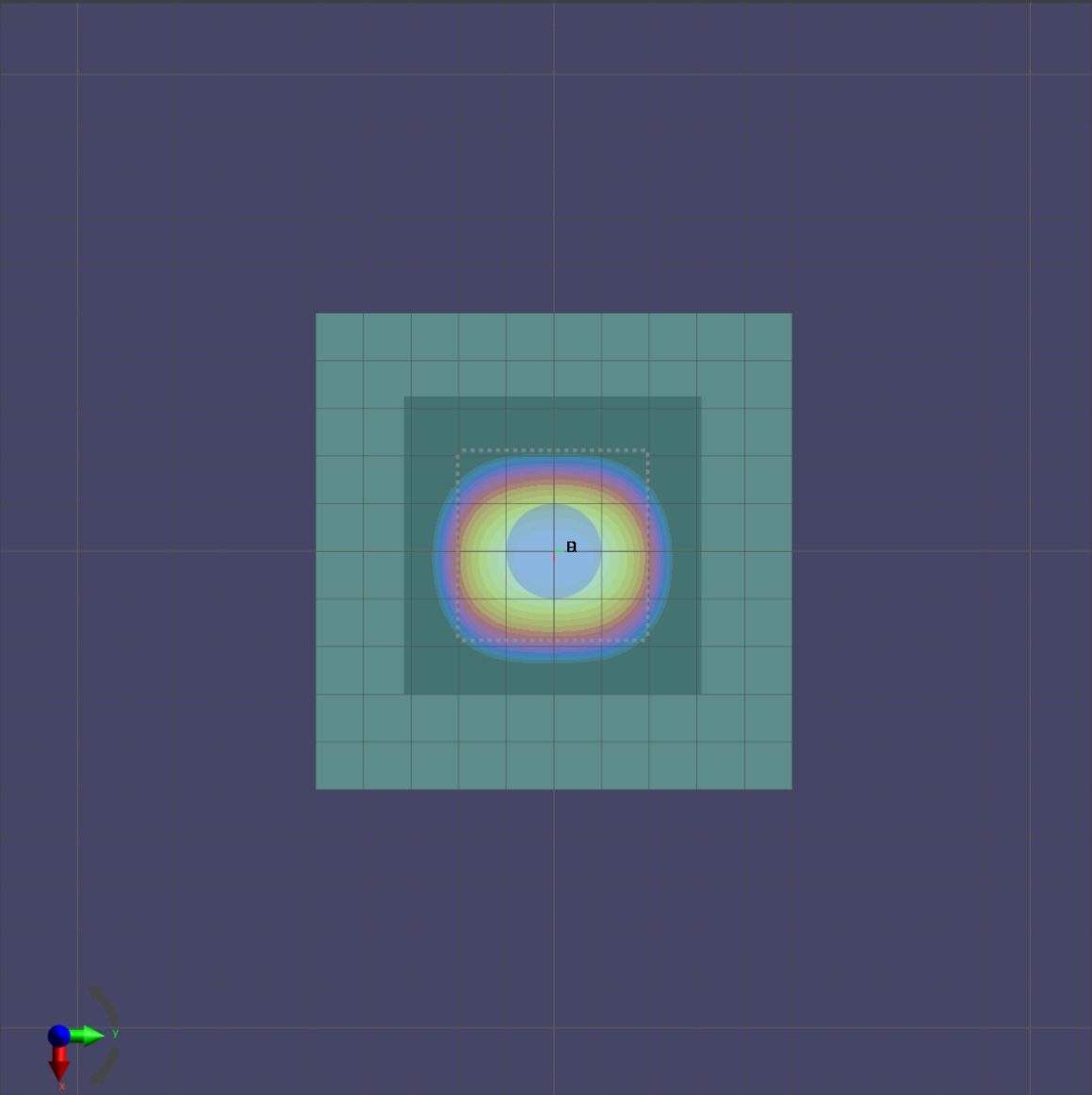
Grid Extents [mm]	60.0 x 60.0
Grid Steps [λ]	0.25 x 0.25
Sensor Surface [mm]	5.5

Measurement Results

Date	2020-08-27, 10:23
Avg. Area [cm^2]	4.00
$S_{\text{avg inc}}$ [W/m^2]	31.0
$S_{\text{avg tot}}$ [W/m^2]	31.5
S_{peak} [W/m^2]	46.2
E_{peak} [V/m]	129
H_{peak} [A/m]	0.361
Power Drift [dB]	-0.07

Averaged [4.0 cm²] |Re{S}|(x,y,z,f0) [dB(31.5W/m²)]

0



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