

Test Laboratory: Sporton International Inc.

#1 Antenna Module 0_BW 100MHz_Left Side_70mm_66RB_0 Offset_QPSK

Device under Test Properties

Manufacturer	Dimensions [mm]	IMEI	DUT Type
	160.0 x 75.0 x 15.0		Phone+Mod

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE LEFT 70.00 mm	n261	27925.0	1.0

Hardware Setup

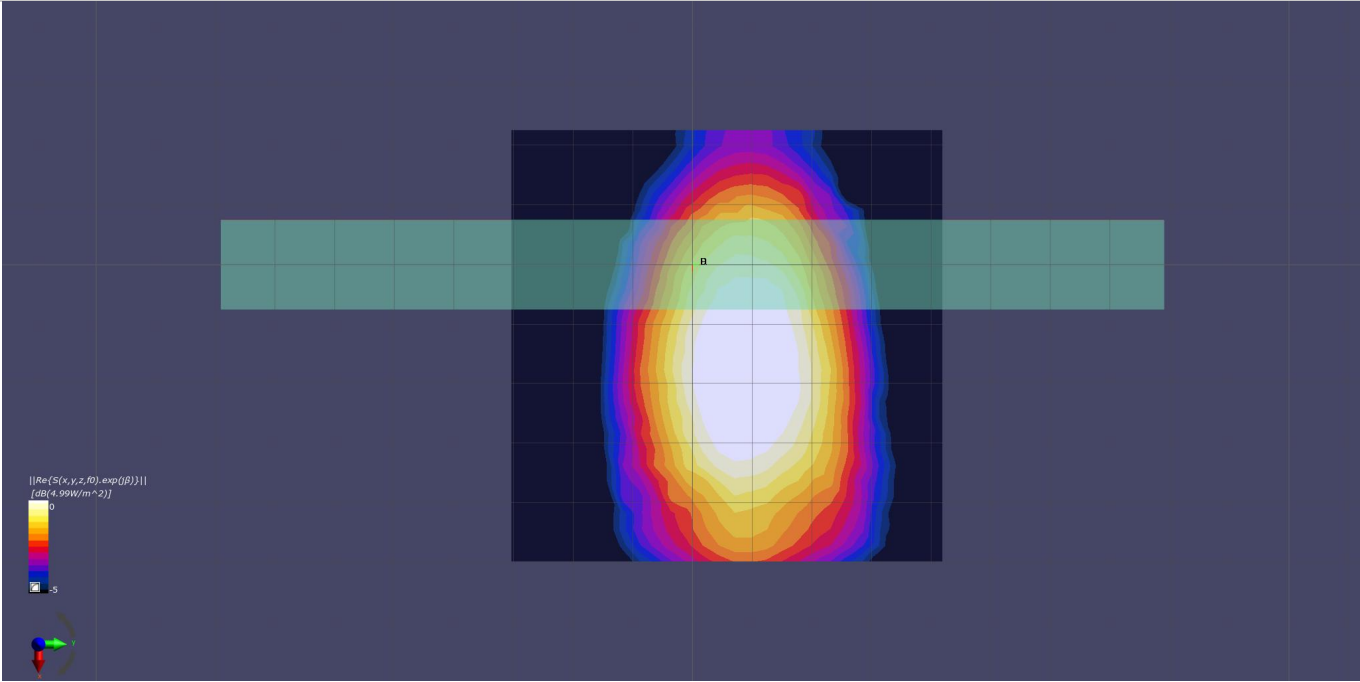
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air	EUmmWV3 - SN9390, 2018-06-28	DAE4 Sn778, 2018-05-25

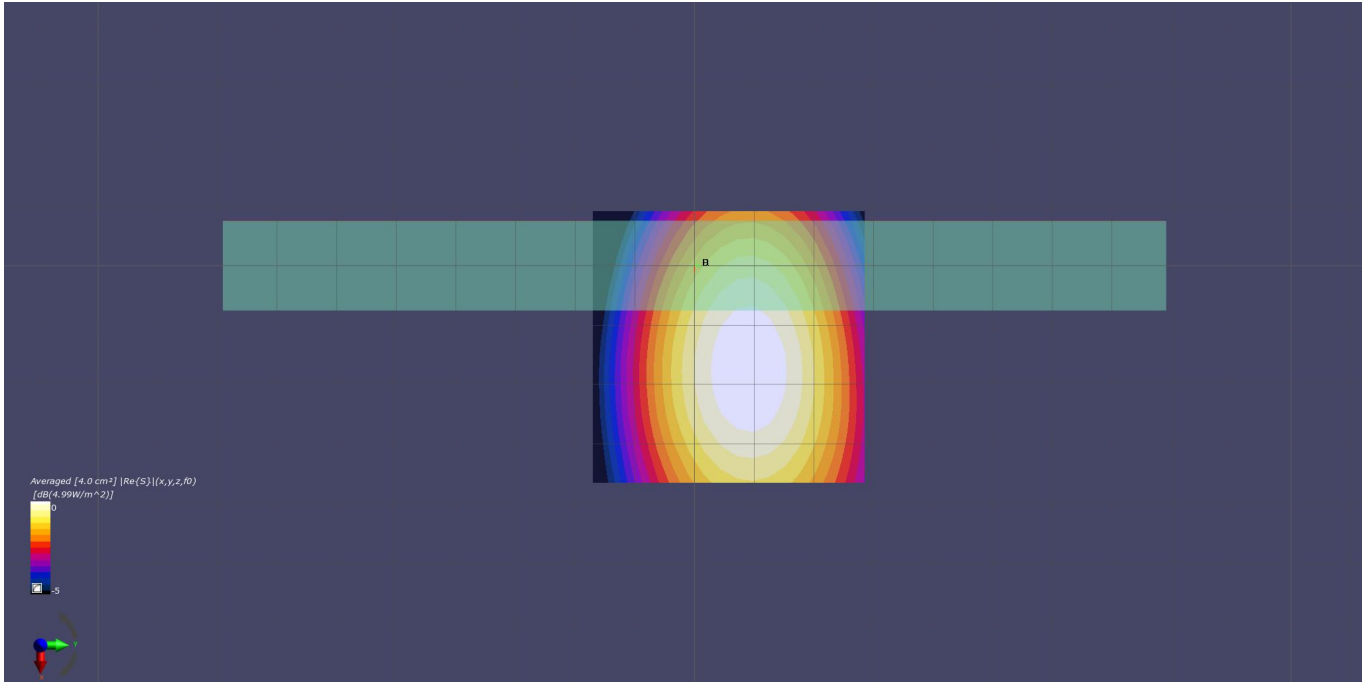
Scan Setup

	5G Scan
Grid Extents [mm]	70.0 x 70.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	70.0

Measurement Results

	5G Scan
Date	2018-12-18, 12:44
Avg. Area [cm²]	4.00
Savg tot [W/m²]	4.99
Savg inc [W/m²]	4.98
Speak [W/m²]	5.41
Epeak [V/m]	45.3
Hpeak [A/m]	0.120
Power Drift [dB]	0.07





Test Laboratory: Sporton International Inc.

#2 Antenna Module 1_BW 100MHz_Right Side_70mm_32RB_0 Offset_QPSK

Device under Test Properties

Manufacturer	Dimensions [mm]	IMEI	DUT Type
	160.0 x 75.0 x 15.0		Phone+Mod

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE RIGHT 70.00 mm	n261	27550.0	1.0

Hardware Setup

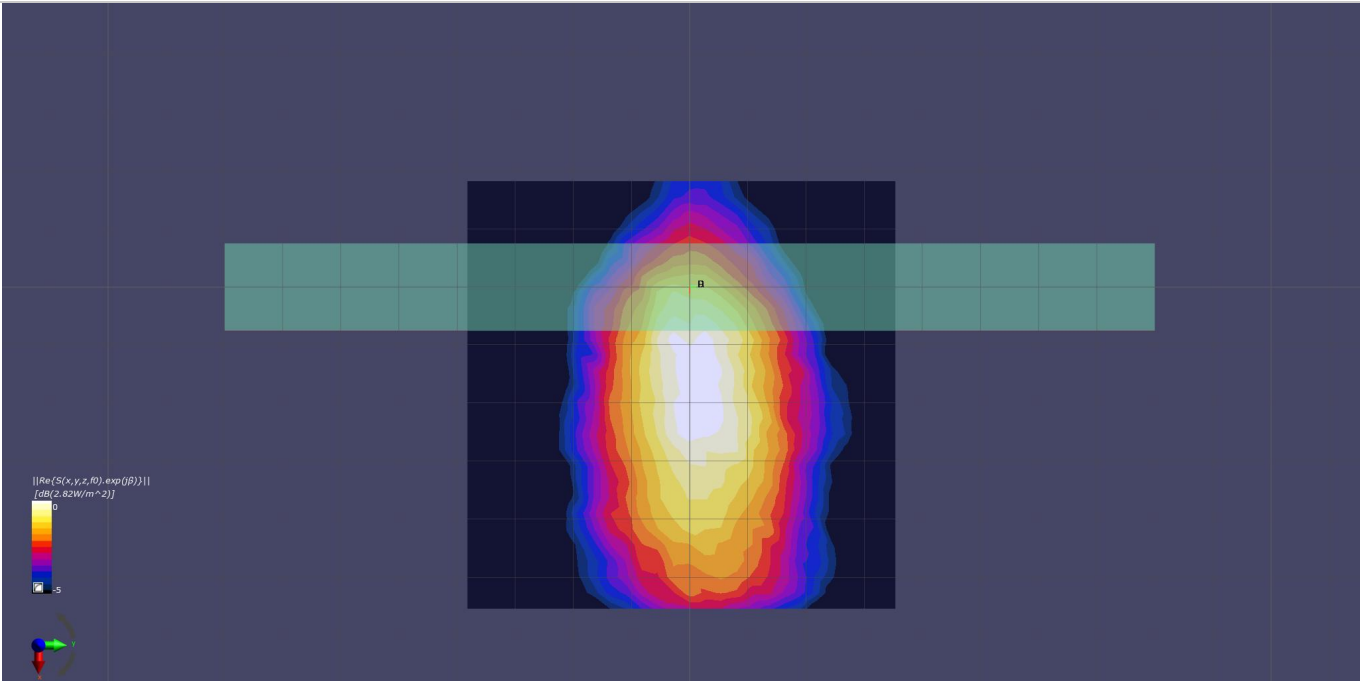
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air	EUmmWV2 - SN9388, 2018-04-10	DAE4 Sn918, 2018-06-20

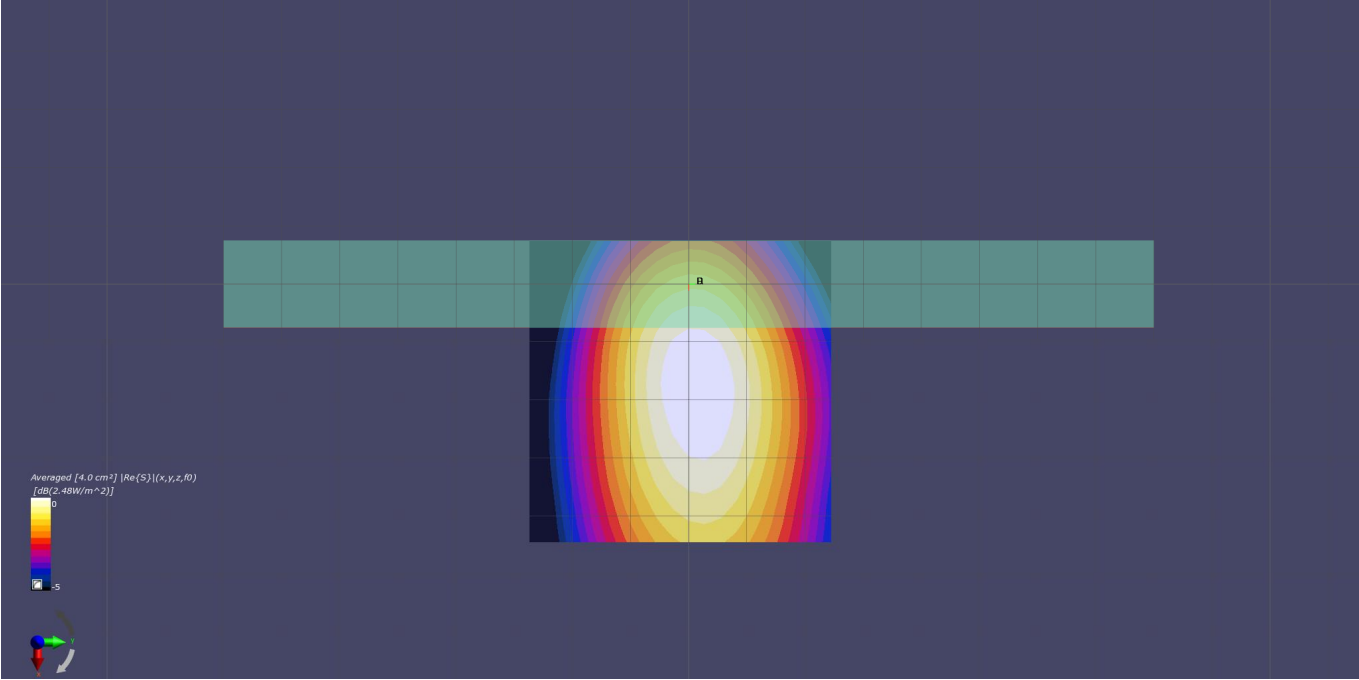
Scan Setup

	5G Scan
Grid Extents [mm]	70.0 x 70.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	70.0

Measurement Results

	5G Scan
Date	2018-12-20, 07:22
Avg. Area [cm²]	4.00
Savg tot [W/m²]	2.48
Savg inc [W/m²]	2.46
Speak [W/m²]	2.82
Epeak [V/m]	32.6
Hpeak [A/m]	0.088
Power Drift [dB]	0.05





Test Laboratory: Sporton International Inc.

#3 Antenna Module 2_BW 100MHz_Top Side_70mm_32RB_0 Offset_QPSK

Device under Test Properties

Manufacturer	Dimensions [mm]	IMEI	DUT Type
	160.0 x 75.0 x 15.0		Phone+Mod

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE TOP 5.00 mm	n261	27550.0	1.0

Hardware Setup

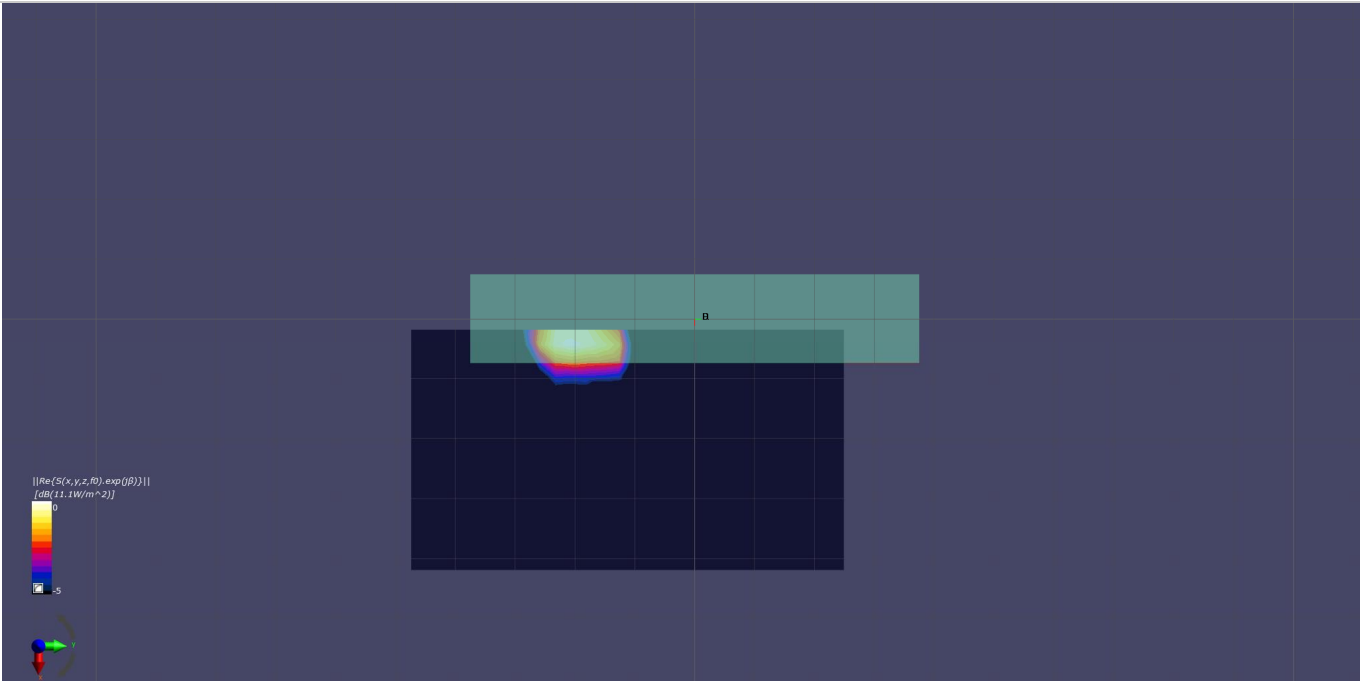
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air	EUmmWV3 - SN9390, 2018-06-28	DAE4 Sn778, 2018-05-25

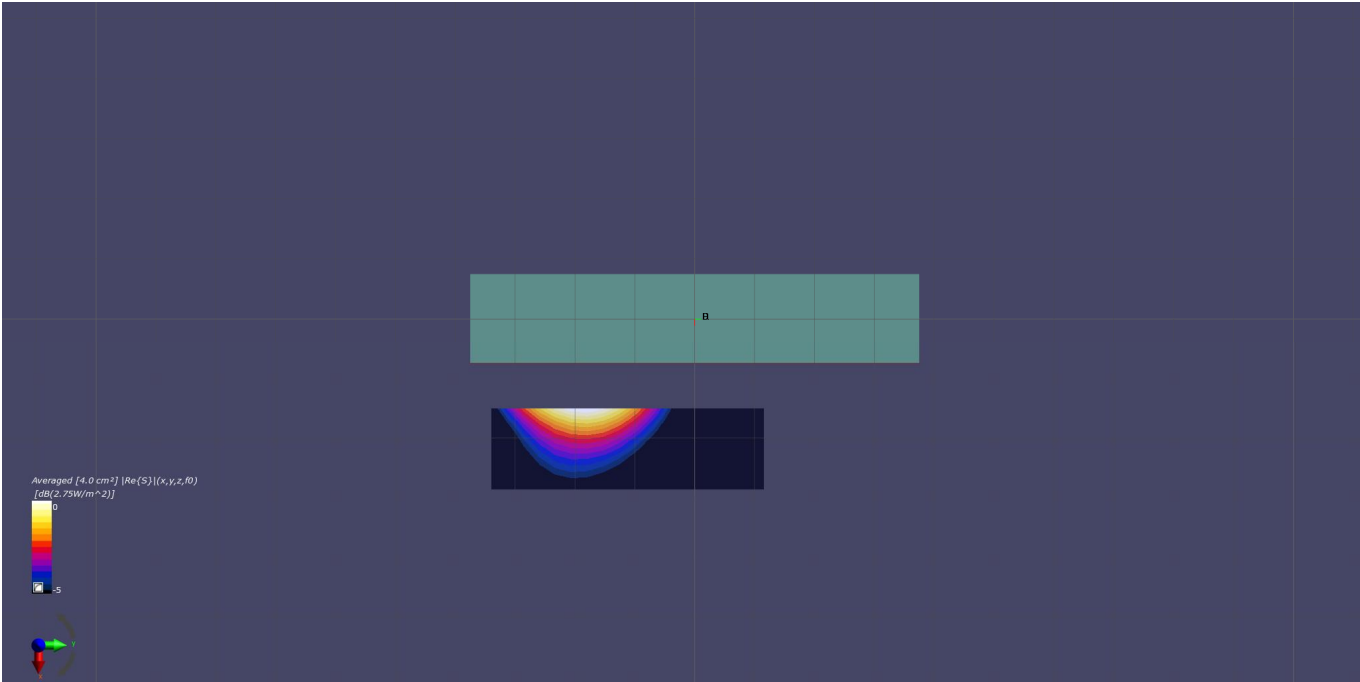
Scan Setup

	5G Scan
Grid Extents [mm]	30.0 x 70.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.0

Measurement Results

	5G Scan
Date	2018-12-22, 00:03
Avg. Area [cm²]	4.00
Savg tot [W/m²]	2.75
Savg inc [W/m²]	2.50
Speak [W/m²]	11.1
Epeak [V/m]	70.2
Hpeak [A/m]	0.173
Power Drift [dB]	-0.01





Test Laboratory: Sporton International Inc.

#4 Antenna Module 3_BW 50MHz_Top Side_5mm_16RB_0 Offset_QPSK

Device under Test Properties

Manufacturer	Dimensions [mm]	IMEI	DUT Type
	160.0 x 75.0 x 15.0		Phone+Mod

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE TOP 5.00 mm	n261	27925.0	1.0

Hardware Setup

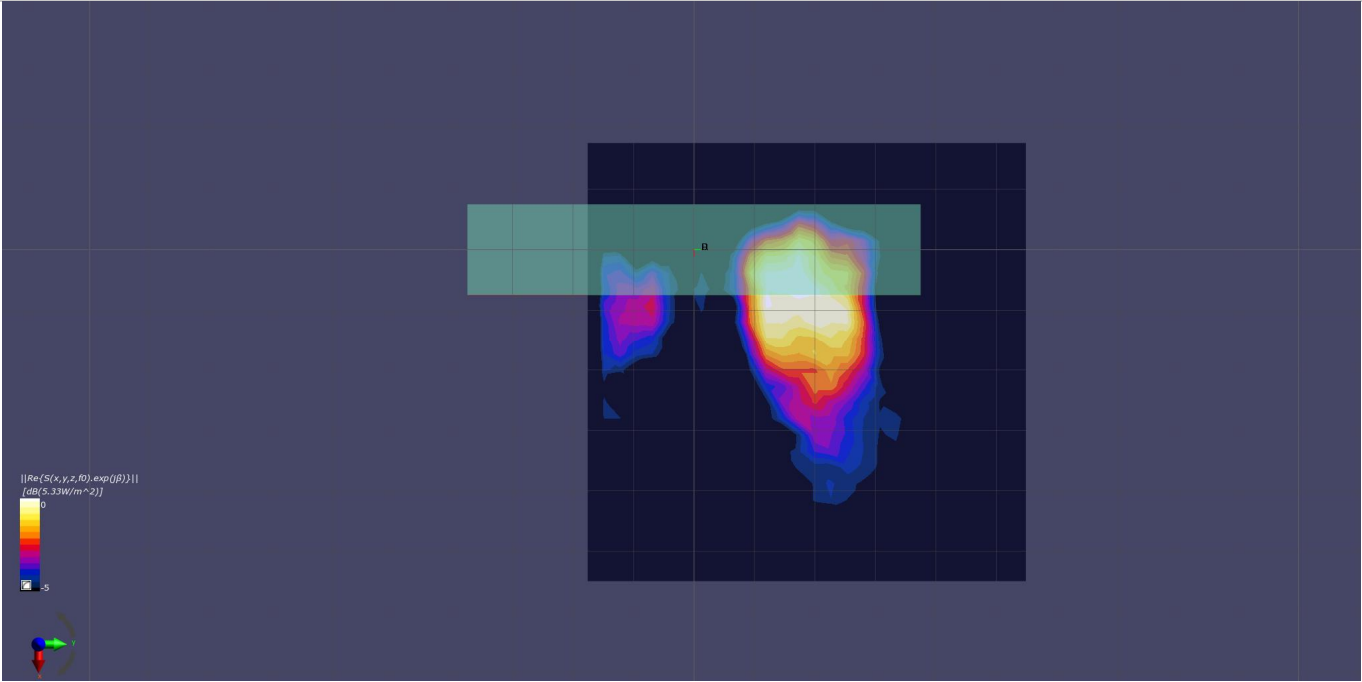
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air	EUmmWV2 - SN9388, 2018-04-10	DAE4 Sn918, 2018-06-20

Scan Setup

	5G Scan
Grid Extents [mm]	70.0 x 70.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.0

Measurement Results

	5G Scan
Date	2018-12-13, 12:54
Avg. Area [cm²]	4.00
Savg tot [W/m²]	4.05
Savg inc [W/m²]	3.68
Speak [W/m²]	5.33
Epeak [V/m]	46.0
Hpeak [A/m]	0.119
Power Drift [dB]	-0.04



Averaged [4.0 cm²] [Re(S)](x,y,z,0)
[dB(4.05W/m²)]

