

Test Laboratory: Sporton International Inc.

Device Under Test Properties

Manufacturer	Dimensions [mm]	IMEI	DUT Type
	100.0 x 100.0 x 100.0		Verification Source SN:1007

Exposure Conditions

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

Hardware Setup

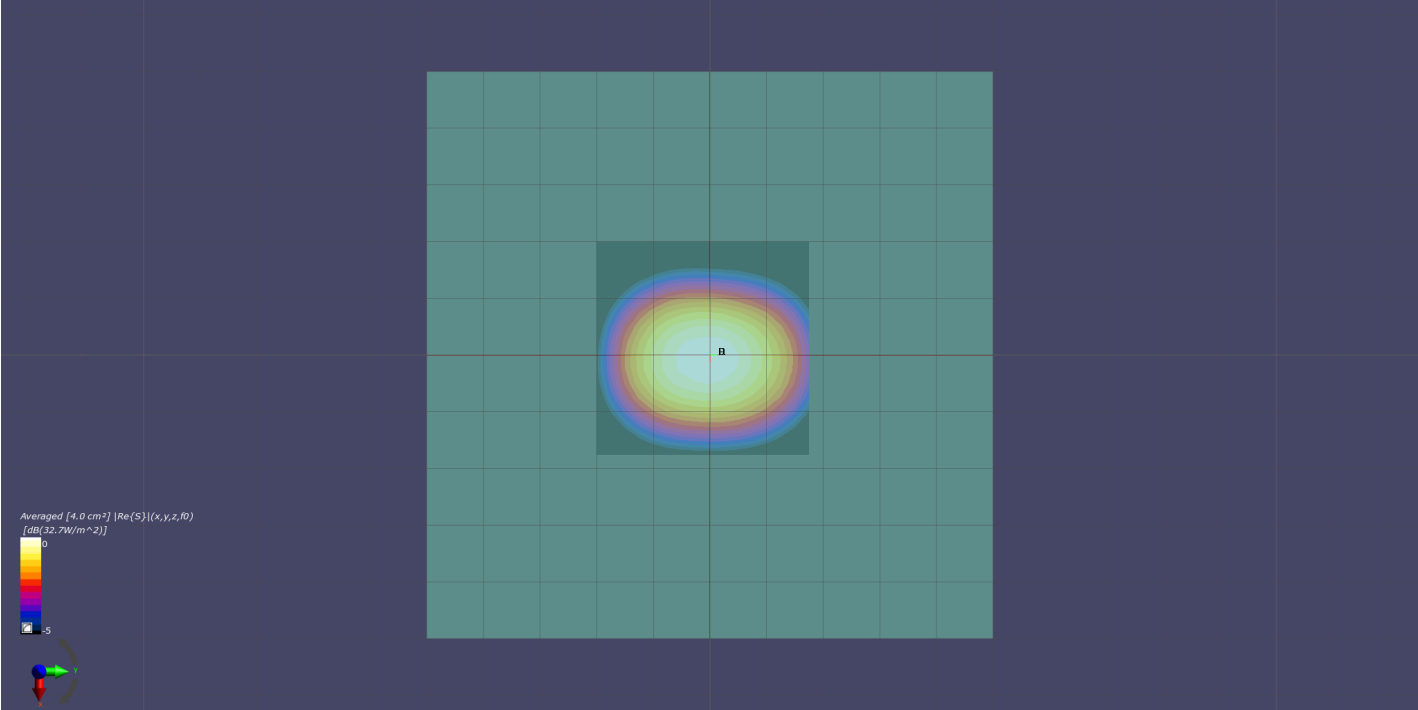
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air –	EUmmWV3 – SN9390, 2018–06–28	DAE4 Sn778, 2018–05–25

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	2019–01–04, 00:26
Avg. Area [cm ²]	4.00
Savg inc [W/m ²]	32.3
Savg tot [W/m ²]	32.7
Speak [W/m ²]	52.4
Epeak [V/m]	133
Hpeak [A/m]	0.400
Power Drift [dB]	–0.15



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Device Under Test Properties

Manufacturer	Dimensions [mm]	IMEI	DUT Type
	100.0 x 100.0 x 100.0		Verification Source SN: 1007

Exposure Conditions

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

Hardware Setup

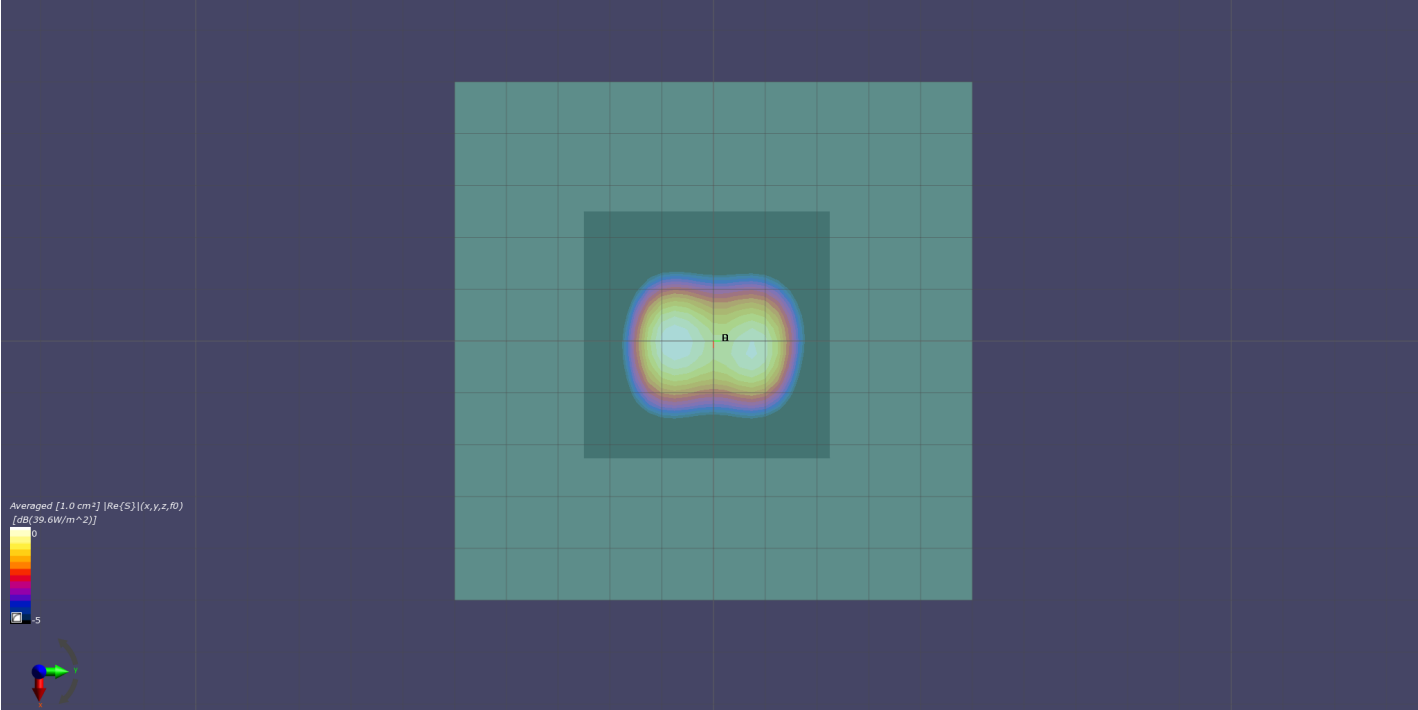
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air –	EUmmWV3 – SN9390, 2018–06–28	DAE4 Sn778, 2018–05–25

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	2019-01-04, 00:26
Avg. Area [cm ²]	1.00
S _{avg inc} [W/m ²]	39.3
S _{avg tot} [W/m ²]	39.6
S _{peak} [W/m ²]	52.4
E _{peak} [V/m]	133
H _{peak} [A/m]	0.400
Power Drift [dB]	-0.15



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	100.0 x 100.0 x 100.0		Verification Source SN: 1007

Exposure Conditions

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

Hardware Setup

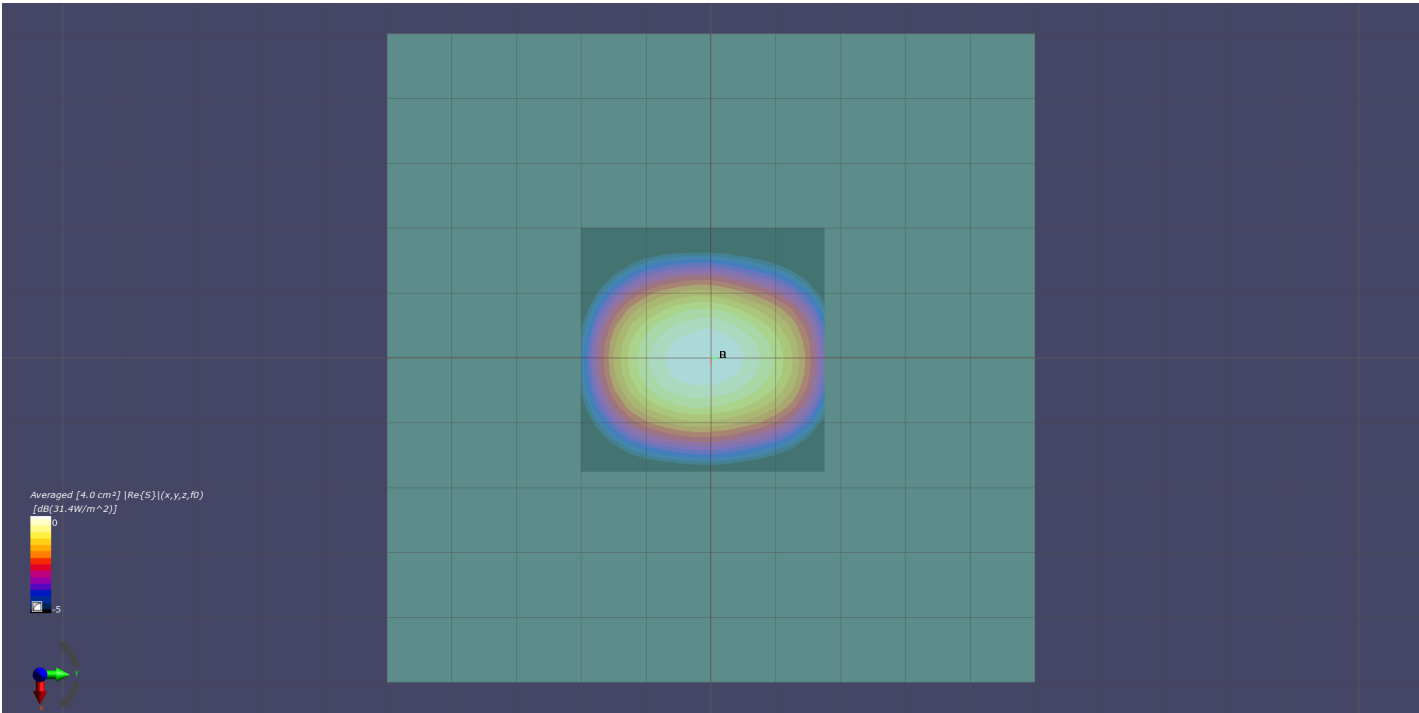
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air –	EUmmWV3 – SN9390, 2018–06–28	DAE4 Sn778, 2018–05–25

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	2019-01-10, 09:43
Avg. Area [cm ²]	4.00
S _{avg inc} [W/m ²]	31.1
S _{avg tot} [W/m ²]	31.4
S _{peak} [W/m ²]	49.9
E _{peak} [V/m]	133
H _{peak} [A/m]	0.389
Power Drift [dB]	-0.10



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Exposure Conditions

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

Hardware Setup

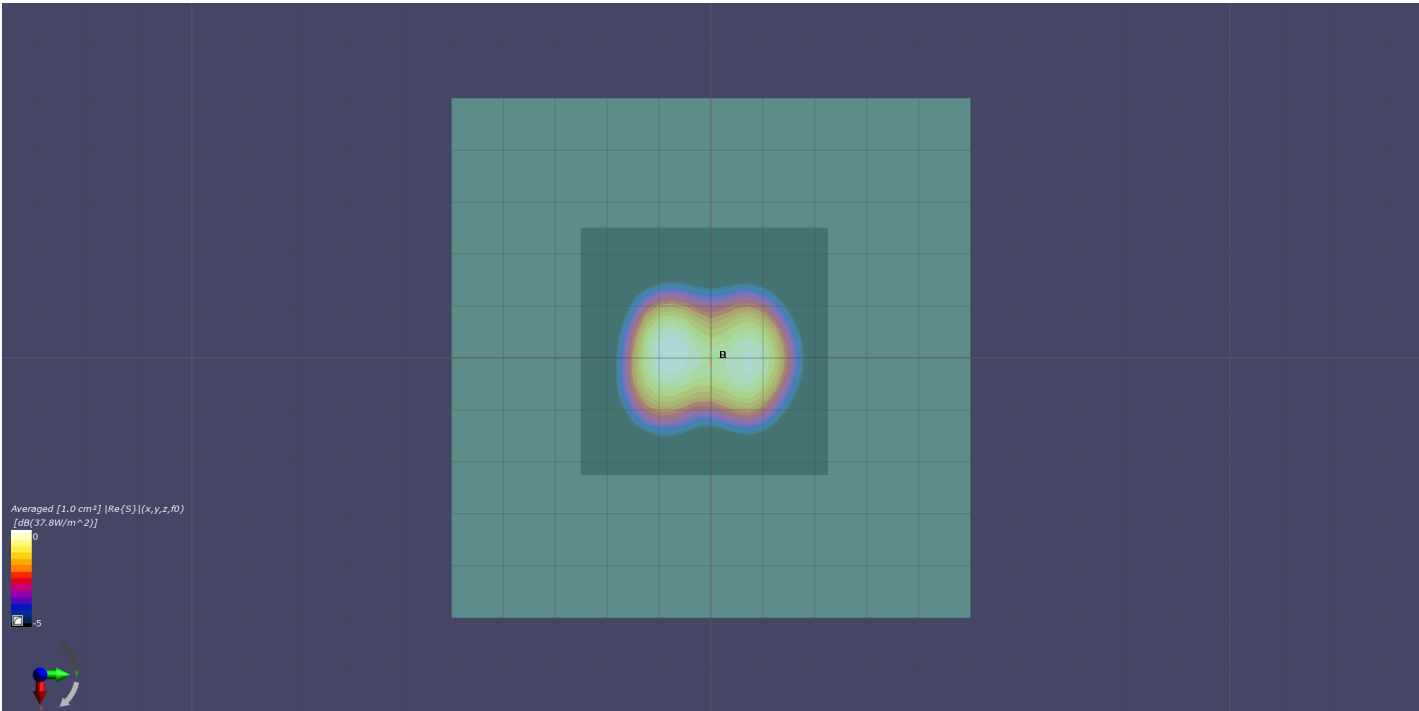
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air –	EUmmWV3 – SN9390, 2018–06–28	DAE4 Sn778, 2018–05–25

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	2019-01-10, 09:43
Avg. Area [cm ²]	1.00
Savg inc [W/m ²]	37.6
Savg tot [W/m ²]	37.8
Speak [W/m ²]	49.9
Epeak [V/m]	133
Hpeak [A/m]	0.389
Power Drift [dB]	-0.10



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Device Under Test Properties

Manufacturer	Dimensions [mm]	IMEI	DUT Type
	100.0 x 100.0 x 100.0		Verification Source SN:1007

Exposure Conditions

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

Hardware Setup

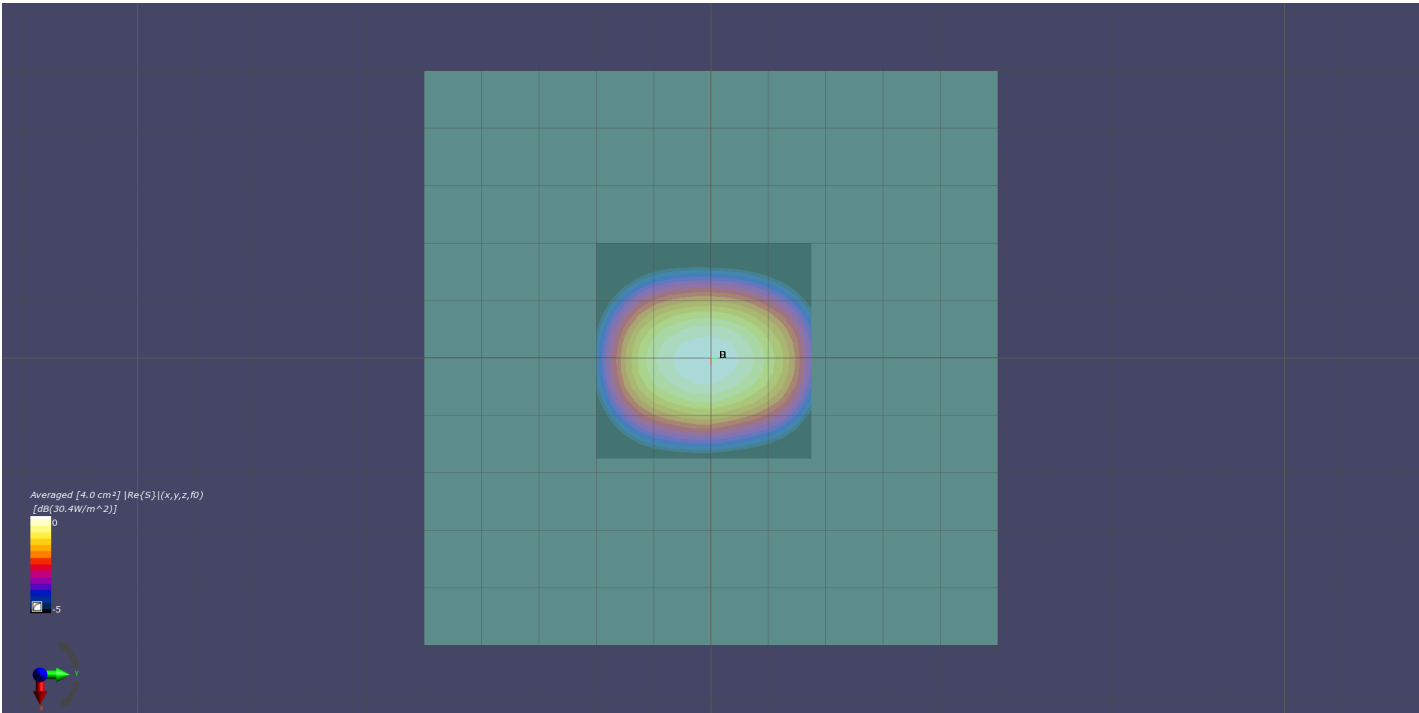
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air –	EUmmWV3 – SN9390, 2018–06–28	DAE4 Sn778, 2018–05–25

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	2019-01-16, 11:02
Avg. Area [cm ²]	4.00
S _{avg inc} [W/m ²]	29.9
S _{avg tot} [W/m ²]	30.9
S _{peak} [W/m ²]	44.7
E _{peak} [V/m]	130
H _{peak} [A/m]	0.350
Power Drift [dB]	-0.08



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Exposure Conditions

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

Hardware Setup

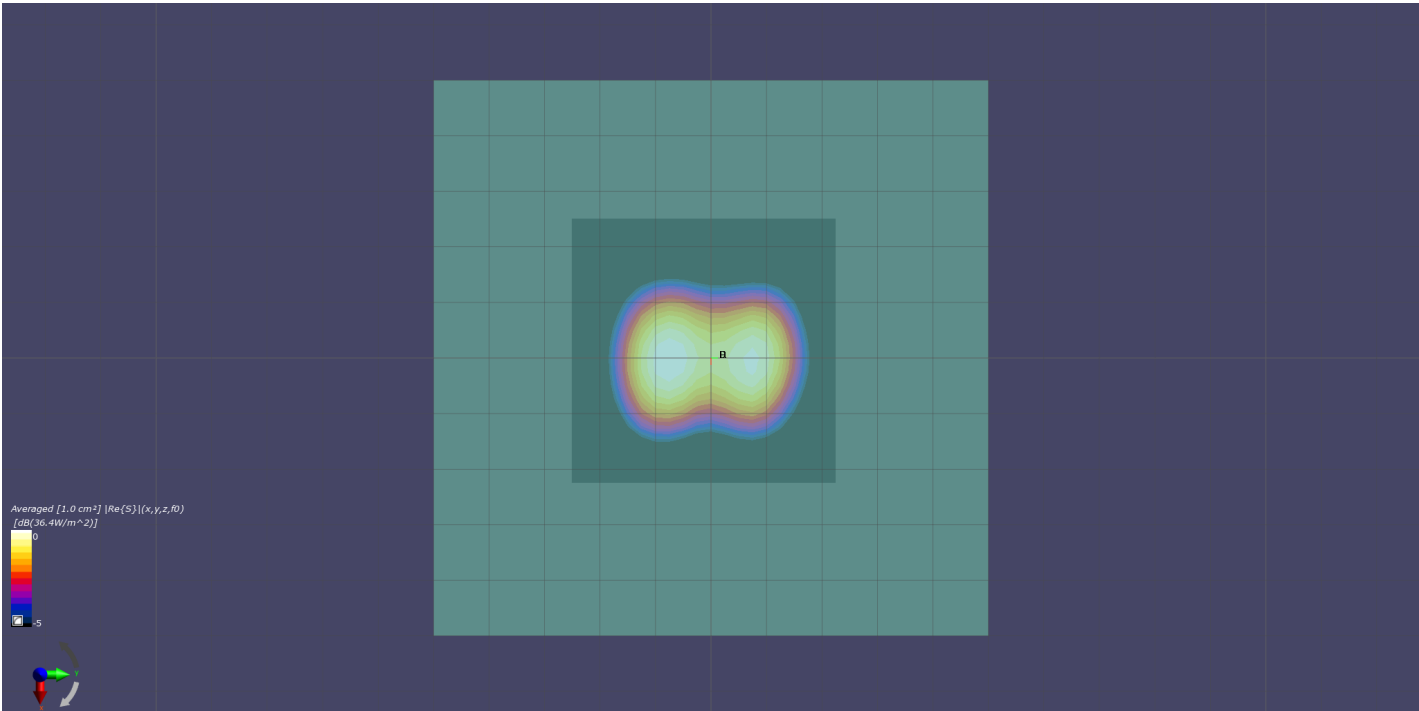
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air –	EUmmWV3 – SN9390, 2018–06–28	DAE4 Sn778, 2018–05–25

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	2019–01–16, 11:02
Avg. Area [cm ²]	1.00
Savg inc [W/m ²]	36.0
Savg tot [W/m ²]	36.4
Speak [W/m ²]	44.7
Epeak [V/m]	130
Hpeak [A/m]	0.350
Power Drift [dB]	–0.08



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Exposure Conditions

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

Hardware Setup

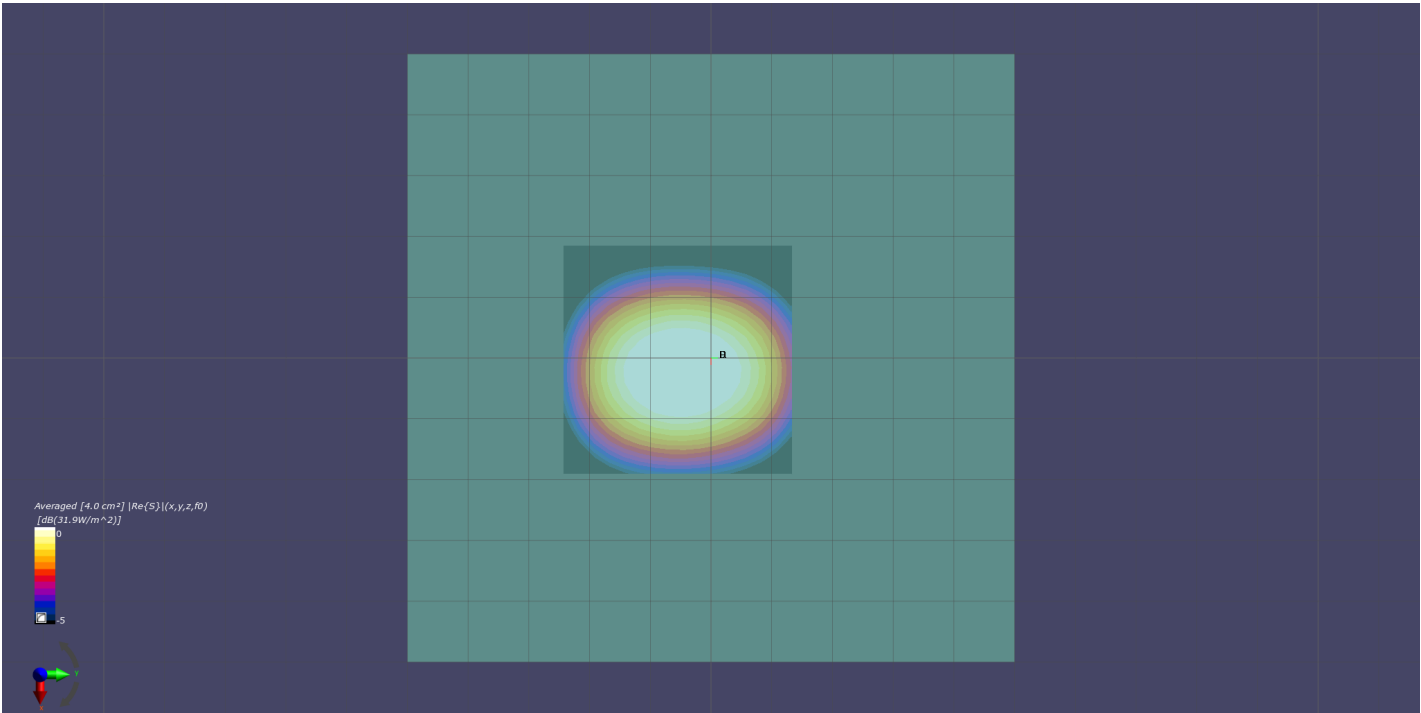
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
5G Cover	Air	EUmmWV3 – SN9390, 2018–06–28	DAE4 Sn778, 2018–05–25

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	2019-02-17, 07:48
Avg. Area [cm ²]	4.00
S _{avg inc} [W/m ²]	31.6
S _{avg tot} [W/m ²]	31.9
S _{peak} [W/m ²]	39.1
E _{peak} [V/m]	122
H _{peak} [A/m]	0.333
Power Drift [dB]	0.03



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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
5G Cover	Air	EUmmWV3 – SN9390, 2018–06–28	DAE4 Sn778, 2018–05–25

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	2019-02-17, 07:48
Avg. Area [cm ²]	1.00
S _{avg inc} [W/m ²]	37.6
S _{avg tot} [W/m ²]	37.8
S _{peak} [W/m ²]	39.1
E _{peak} [V/m]	122
H _{peak} [A/m]	0.333
Power Drift [dB]	0.03

