

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY8 Module mmWave	V3.0
Phantom	5G Phantom	
Distance Horn Aperture - plane	10 mm	
XY Scan Resolution	dx, dy = 1.25 mm	
Number of measured planes	2 (10mm, 10mm + $\lambda/4$)	
Frequency	60 GHz $\pm$ 10 MHz	

Calibration Parameters, 60 GHz

Circular Averaging

Distance Horn Aperture to Measured Plane	$Prad^1$ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Avg Power Density Avg ($psPDn+$, $psPDtot+$, $psPDmod+$) (W/m ²)		Uncertainty (k = 2)
				1 cm ²	4 cm ²	
10 mm	45.5	258	1.27 dB	137	93.0	1.28 dB

Square Averaging

Distance Horn Aperture to Measured Plane	$Prad^1$ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Avg Power Density Avg ($psPDn+$, $psPDtot+$, $psPDmod+$) (W/m ²)		Uncertainty (k = 2)
				1 cm ²	4 cm ²	
10 mm	45.5	258	1.27 dB	138	93.4	1.28 dB

¹ derived from far-field data

DASY Report

Measurement Report for 5G Verification Source 60 GHz, UID 0 -, Channel 60000 (60000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 60 GHz	100.0 x 100.0 x 100.0	SN: 1041	-

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	60000.0, 60000	1.0

Hardware Setup

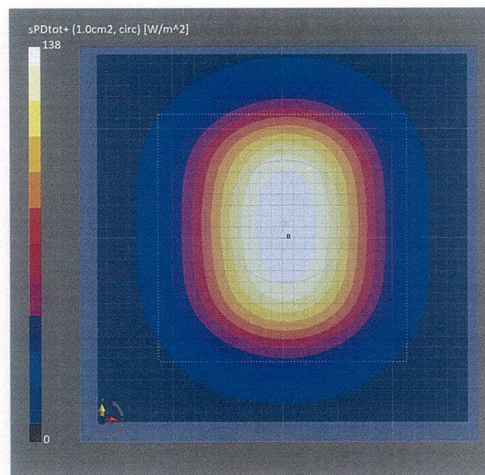
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F55-110GHz, 2021-12-21	DAE4ip Sn1602, 2022-06-27

Scan Setup

	5G Scan
Grid Extents [mm]	32.5 x 32.5
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	MAIA not used

Measurement Results

	5G Scan
Date	2022-11-15, 14:59
Avg. Area [cm ²]	1.00
psPDn+ [W/m ²]	137
psPDtot+ [W/m ²]	138
psPDmod+ [W/m ²]	138
E _{max} [V/m]	258
Power Drift [dB]	-0.05



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Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 60 GHz	100.0 x 100.0 x 100.0	SN: 1041	-

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	60000.0, 60000	1.0

Hardware Setup

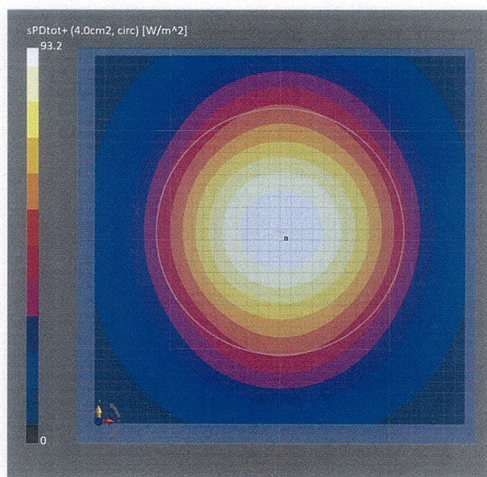
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F55-110GHz, 2021-12-21	DAE4ip Sn1602, 2022-06-27

Scan Setup

	5G Scan
Grid Extents [mm]	32.5 x 32.5
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	MAIA not used

Measurement Results

	5G Scan
Date	2022-11-15, 14:59
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	92.2
psPDtot+ [W/m ²]	93.2
psPDmod+ [W/m ²]	93.7
E _{max} [V/m]	258
Power Drift [dB]	-0.05



DASY Report

Measurement Report for 5G Verification Source 60 GHz, UID 0 -, Channel 60000 (60000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 60 GHz	100.0 x 100.0 x 100.0	SN: 1041	-

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	60000.0, 60000	1.0

Hardware Setup

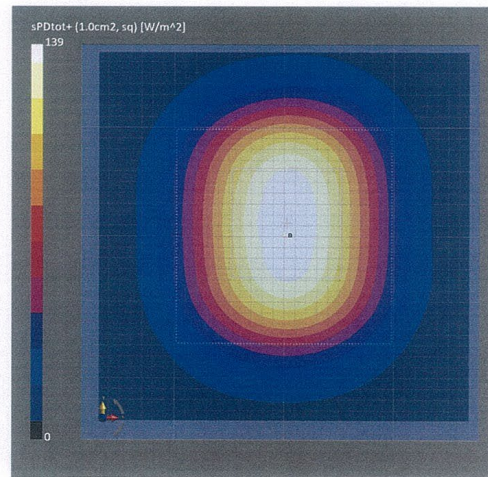
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F55-110GHz, 2021-12-21	DAE4ip Sn1602, 2022-06-27

Scan Setup

	5G Scan
Grid Extents [mm]	32.5 x 32.5
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	MAIA not used

Measurement Results

	5G Scan
Date	2022-11-15, 14:59
Avg. Area [cm ²]	1.00
psPDn+ [W/m ²]	138
psPDtot+ [W/m ²]	139
psPDmod+ [W/m ²]	139
E _{max} [V/m]	258
Power Drift [dB]	-0.05



DASY Report

Measurement Report for 5G Verification Source 60 GHz, UID 0 -, Channel 60000 (60000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 60 GHz	100.0 x 100.0 x 100.0	SN: 1041	-

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	60000.0, 60000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F55-110GHz, 2021-12-21	DAE4ip Sn1602, 2022-06-27

Scan Setup

	5G Scan
Grid Extents [mm]	32.5 x 32.5
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	MAIA not used

Measurement Results

	5G Scan
Date	2022-11-15, 14:59
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	92.6
psPDtot+ [W/m ²]	93.5
psPDmod+ [W/m ²]	94.1
E _{max} [V/m]	258
Power Drift [dB]	-0.05

