

**Measurement Conditions**

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

<b>DASY Version</b>	cDASY6 Module mmWave	V2.4
<b>Phantom</b>	5G Phantom	
<b>Distance Horn Aperture - plane</b>	10 mm	
<b>XY Scan Resolution</b>	dx, dy = 2.5 mm	
<b>Number of measured planes</b>	2 (10mm, 10mm + $\lambda/4$ )	
<b>Frequency</b>	30 GHz $\pm$ 10 MHz	

**Calibration Parameters, 30 GHz**
**Circular Averaging**

Distance Horn Aperture to Measured Plane	<b>Prad<sup>1</sup></b> (mW)	<b>Max E-field</b> (V/m)	Uncertainty (k = 2)	Avg Power Density Avg (psPDn+, psPDtot+, psPDmod+) (W/m <sup>2</sup> )		Uncertainty (k = 2)
				1 cm <sup>2</sup>	4 cm <sup>2</sup>	
10 mm	78.0	213	1.27 dB	101	83.7	1.28 dB

**Square Averaging**

Distance Horn Aperture to Measured Plane	<b>Prad<sup>1</sup></b> (mW)	<b>Max E-field</b> (V/m)	Uncertainty (k = 2)	Avg Power Density Avg (psPDn+, psPDtot+, psPDmod+) (W/m <sup>2</sup> )		Uncertainty (k = 2)
				1 cm <sup>2</sup>	4 cm <sup>2</sup>	
10 mm	78.0	213	1.27 dB	101	83.1	1.28 dB

<sup>1</sup> derived from far-field data

### DASY Report

#### Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

##### Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 30 GHz	100.0 x 100.0 x 100.0	SN: 1052	-

##### Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	30000.0, 30000	1.0

##### Hardware Setup

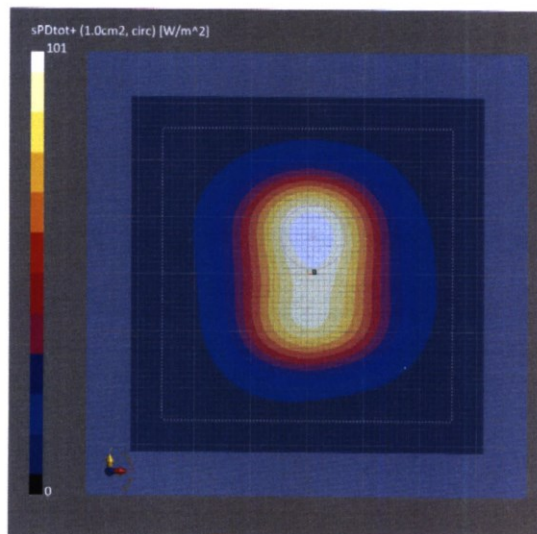
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-78GHz, 2020-12-30	DAE4ip Sn1602, 2021-06-25

##### Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	MAIA not used

##### Measurement Results

	5G Scan
Date	2021-11-16, 19:16
Avg. Area [cm <sup>2</sup> ]	1.00
psPDn+ [W/m <sup>2</sup> ]	100
psPDtot+ [W/m <sup>2</sup> ]	101
psPDmod+ [W/m <sup>2</sup> ]	101
E <sub>max</sub> [V/m]	213
Power Drift [dB]	-0.02



### DASY Report

#### Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

##### Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 30 GHz	100.0 x 100.0 x 100.0	SN: 1052	-

##### Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	30000.0, 30000	1.0

##### Hardware Setup

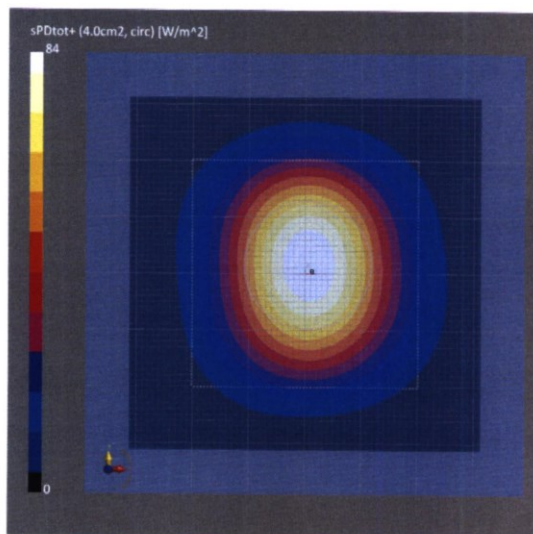
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-78GHz, 2020-12-30	DAE4ip Sn1602, 2021-06-25

##### Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	MAIA not used

##### Measurement Results

	5G Scan
Date	2021-11-16, 19:16
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	82.9
psPDtot+ [W/m <sup>2</sup> ]	84.0
psPDmod+ [W/m <sup>2</sup> ]	84.2
E <sub>max</sub> [V/m]	213
Power Drift [dB]	-0.02



### DASY Report

#### Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

##### Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 30 GHz	100.0 x 100.0 x 100.0	SN: 1052	-

##### Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	30000.0, 30000	1.0

##### Hardware Setup

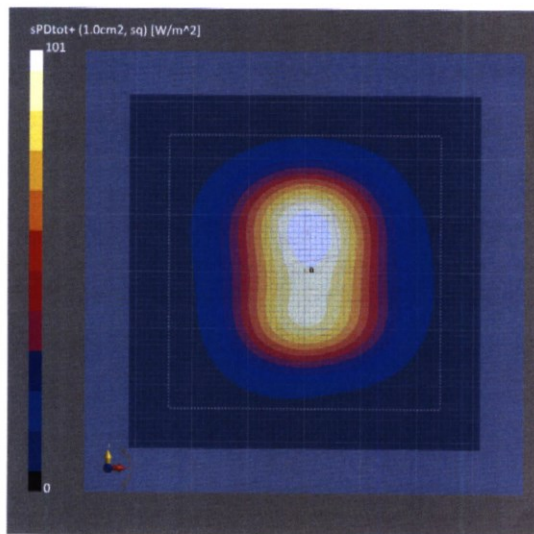
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-78GHz, 2020-12-30	DAE4ip Sn1602, 2021-06-25

##### Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	MAIA not used

##### Measurement Results

	5G Scan
Date	2021-11-16, 19:16
Avg. Area [cm <sup>2</sup> ]	1.00
psPDn+ [W/m <sup>2</sup> ]	100
psPDtot+ [W/m <sup>2</sup> ]	101
psPDmod+ [W/m <sup>2</sup> ]	101
E <sub>max</sub> [V/m]	213
Power Drift [dB]	-0.02



## DASY Report

### Measurement Report for 5G Verification Source 30 GHz, UID 0 -, Channel 30000 (30000.0MHz)

#### Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 30 GHz	100.0 x 100.0 x 100.0	SN: 1052	-

#### Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G -	5.55 mm	Validation band	CW	30000.0, 30000	1.0

#### Hardware Setup

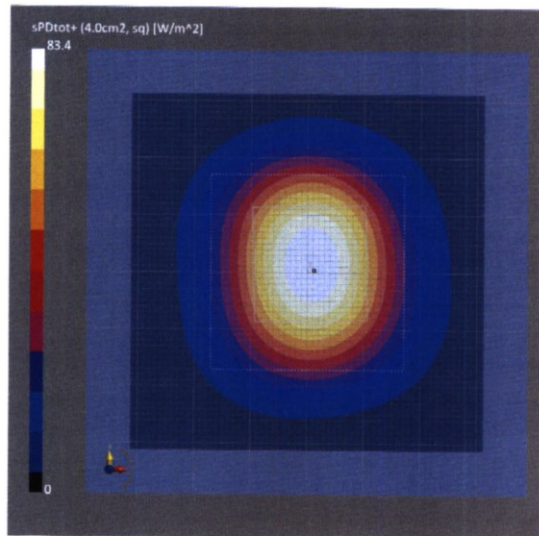
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-78GHz, 2020-12-30	DAE4ip Sn1602, 2021-06-25

#### Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	MAIA not used

#### Measurement Results

	5G Scan
Date	2021-11-16, 19:16
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	82.3
psPDtot+ [W/m <sup>2</sup> ]	83.4
psPDmod+ [W/m <sup>2</sup> ]	83.5
E <sub>max</sub> [V/m]	213
Power Drift [dB]	-0.02



**ANNEX F Accreditation Certificate****Accredited Laboratory**

A2LA has accredited

**TELECOMMUNICATION TECHNOLOGY LABS, CAICT***Beijing, People's Republic of China*

for technical competence in the field of

**Electrical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

Presented this 26<sup>th</sup> day of June 2023.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 7049.01  
Valid to July 31, 2024

*For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.*