

APPENDIX B: POWER DENSITY SYSTEM VERIFICATION PLOTS

PCTEST

Date: 10/07/2021

30 GHz System Verification

Device Under Test Properties

DUT	Serial Number
30 GHz Verification Source	1045

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9523, 01/11/2021	DAE4ip SN1639, 11/17/2020

Software Setup

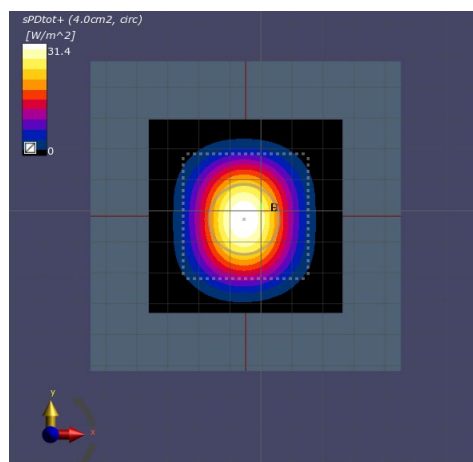
Software	Software Version
cDASY6 Module mmWave	2.4.2.62

Scans Setup

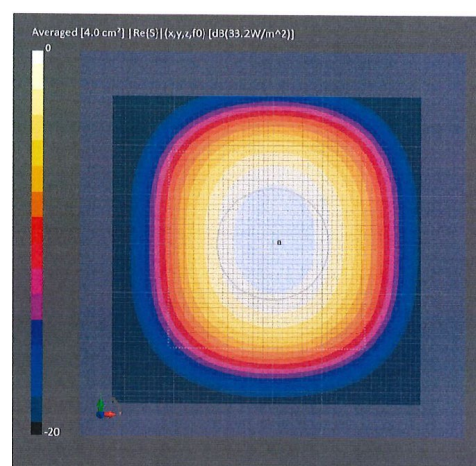
Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	31.4
pS _n avg [W/m ²]	31.0
E _{peak} [V/m]	126.0
Deviation (dB)	-0.24



30 GHz System Verification



Calibration Certificate

PCTEST

Date: 10/21/2021

30 GHz System Verification

Device Under Test Properties

DUT	Serial Number
30 GHz Verification Source	1045

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9541, 05/20/2021	DAE4 SN665, 02/12/2021

Software Setup

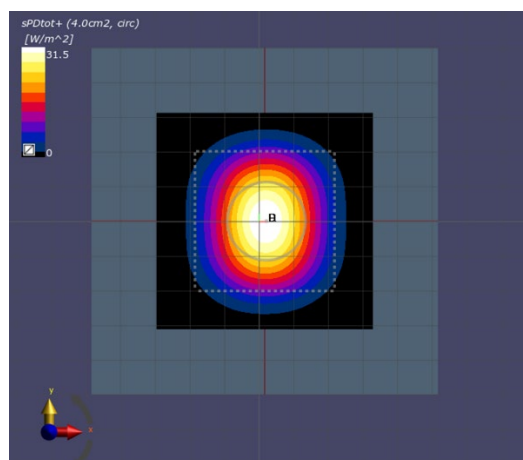
Software	Software Version
cDASY6 Module mmWave	2.4.2.62

Scans Setup

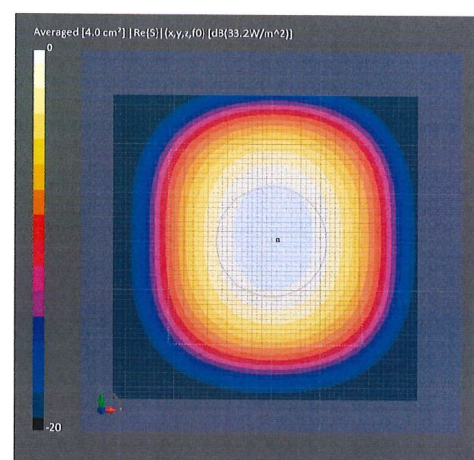
Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	31.5
pS _n avg [W/m ²]	31.0
E _{peak} [V/m]	127.0
Deviation (dB)	-0.23



30 GHz System Verification



Calibration Certificate

PCTEST

Date: 11/02/2021

30 GHz System Verification

Device Under Test Properties

DUT	Serial Number
30 GHz Verification Source	1035

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	5.55	Validation band	30000.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389, 11/16/2020	DAE4ip SN1638, 11/17/2020

Software Setup

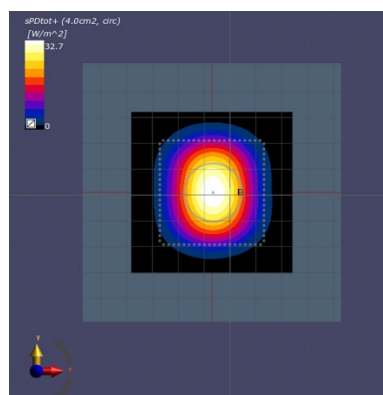
Software	Software Version
cDASY6 Module mmWave	2.4.2.62

Scans Setup

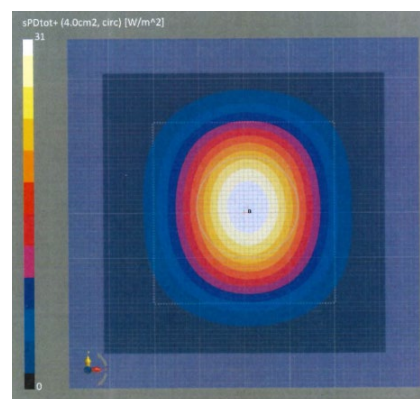
Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	32.7
pS _n avg [W/m ²]	32.3
E _{peak} [V/m]	129.0
Deviation (dB)	0.23



30 GHz System Verification



Calibration Certificate