

## APPENDIX A: POWER DENSITY TEST PLOTS

# Element

Date: 04/21/2022

Antenna 0; Beam 160; H; Mid Ch.; CW

## Device Under Test Properties

DUT	Serial Number	DUT Type
PY7-57325M	QV7700UC5	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	RIGHT	2.00	n261	27925.00

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV4 - SN9622, 02/24/2022	DAE4ip SN1639, 01/21/2022

## Software Setup

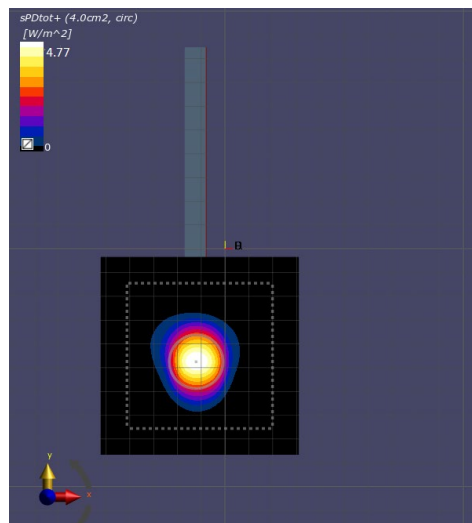
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

## Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80x80
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

## Measurement Results

Scan Type	5G Scan
Avg. Area [cm <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	4.77
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	3.56
E <sub>peak</sub> [V/m]	75.0
Power Drift [dB]	0.18



# Element

Date: 04/21/2022

Antenna 1; Beam 155; H; Low Ch.; CW

## Device Under Test Properties

DUT	Serial Number	DUT Type
PY7-57325M	QV7700UC5	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK	2.00	n261	27550.10

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9622, 02/24/2022	DAE4ip SN1639, 01/21/2022

## Software Setup

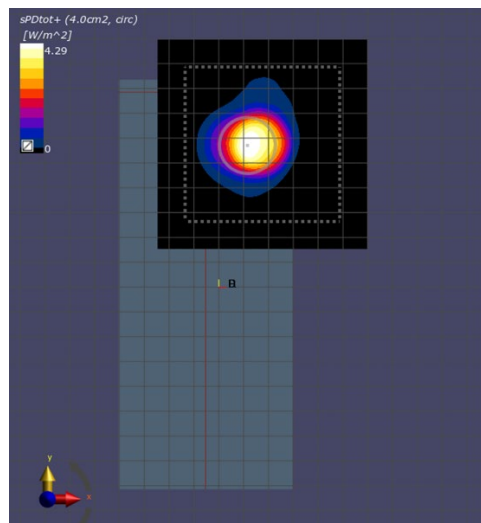
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

## Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80x80
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

## Measurement Results

Scan Type	5G Scan
Avg. Area [cm <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	4.29
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	3.89
E <sub>peak</sub> [V/m]	91.7
Power Drift [dB]	-0.01



# Element

Date: 04/21/2022

Antenna 0; Beam 38/166; MIMO; High Ch.; CW

## Device Under Test Properties

DUT	Serial Number	DUT Type
PY7-57325M	QV77001RAZ	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	RIGHT	2.00	n260	39949.90

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389, 11/11/2021	DAE4ip SN1638, 11/11/2021

## Software Setup

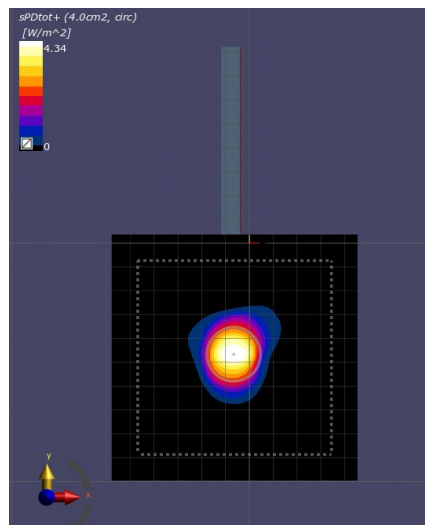
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

## Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100x100
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

## Measurement Results

Scan Type	5G Scan
Avg. Area [cm <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	4.34
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	3.01
E <sub>peak</sub> [V/m]	109.0
Power Drift [dB]	0.18



# Element

Date: 04/25/2022

Antenna 1; Beam 163; H; High Ch.; CW

## Device Under Test Properties

DUT	Serial Number	DUT Type
PY7-57325M	QV7700UC5	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK	2.00	n260	39949.90

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9622, 02/24/2022	DAE4ip SN1639, 01/21/2022

## Software Setup

Software	Software Version
cDASY6 Module mmWave	3.0.0.841

## Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80x80
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

## Measurement Results

Scan Type	5G Scan
Avg. Area [cm <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	3.91
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	3.30
E <sub>peak</sub> [V/m]	90.5
Power Drift [dB]	-0.07

