

APPENDIX A: POWER DENSITY TEST PLOTS

ELEMENT

Date: 06/27/2022

Antenna M0; Beam 45; V; Mid Ch.; CW

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2435	JW92MH5244	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance (mm)	Band	Frequency [MHz]
5G	Front	2.00	n258	24800.04

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9523, 01/31/2022	DAE4 Sn1403, 02/22/2022

Software Setup

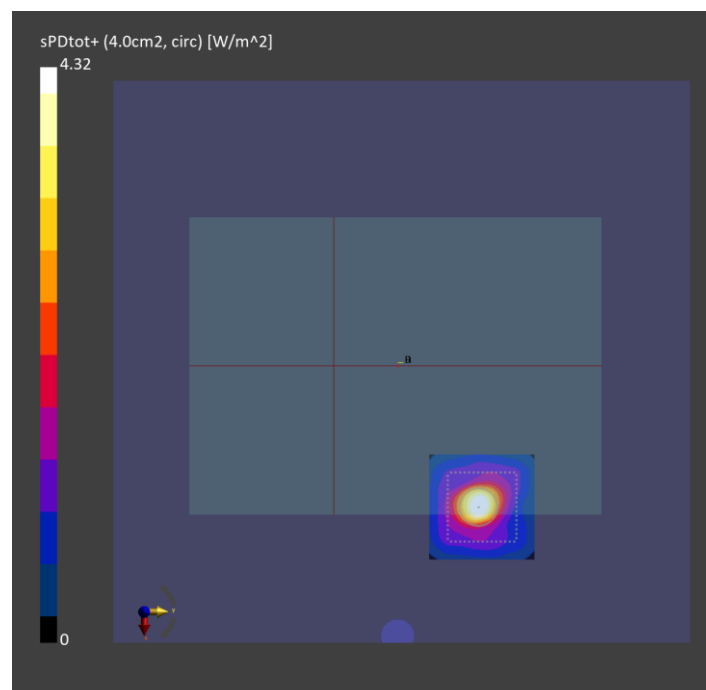
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDtot [W/m ²]	4.32
psPDn [W/m ²]	3.79
E _{peak} [V/m]	80.7
Power Drift [dB]	-0.01



ELEMENT

Date: 06/27/2022

Antenna M2; Beam 180; H; High Ch.; CW

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2435	X29HNWHH2Q	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance (mm)	Band	Frequency [MHz]
5G	Top	2.00	n258	25200.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9523, 01/31/2022	DAE4 Sn1403, 02/22/2022

Software Setup

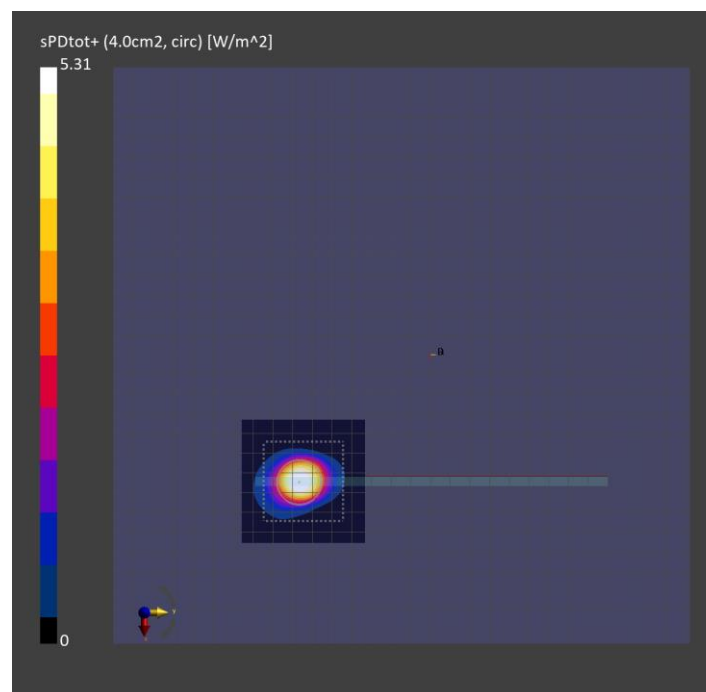
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDtot [W/m ²]	5.31
psPDn [W/m ²]	4.23
E _{peak} [V/m]	108
Power Drift [dB]	0.01



ELEMENT

Date: 06/27/2022

Antenna M3; Beam 184; H; High Ch.; CW

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2435	JW92MH5244	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance (mm)	Band	Frequency [MHz]
5G	Bottom	2.00	n258	25200.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9523, 01/31/2022	DAE4 Sn1403, 02/22/2022

Software Setup

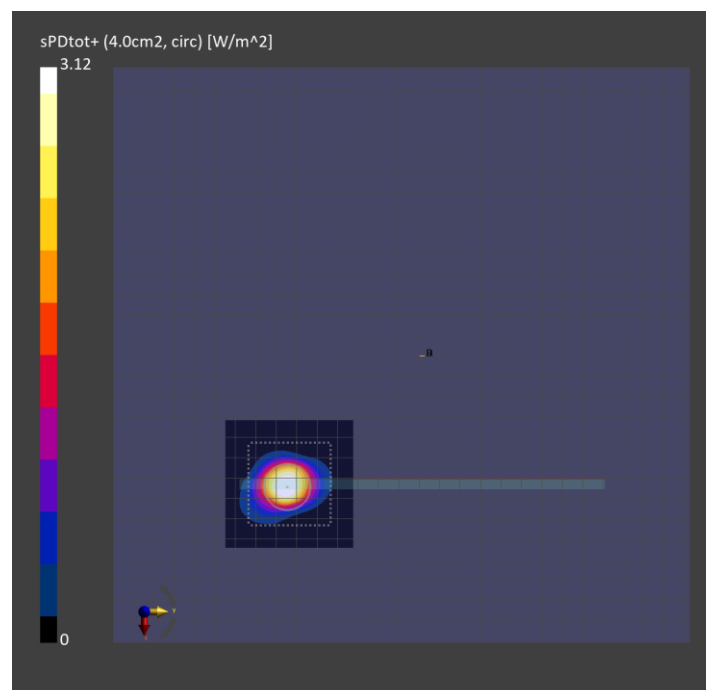
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDtot [W/m ²]	3.12
psPDn [W/m ²]	2.44
E _{peak} [V/m]	89.7
Power Drift [dB]	0.09



ELEMENT

Date: 06/27/2022

Antenna M0; Beam 175; V; Low Ch.; CW

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2435	XC3GHXJ06J	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance (mm)	Band	Frequency [MHz]
5G	Front	2.00	n261	27550.08

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9416, 12/13/2021	DAE4 Sn1644, 12/13/2021

Software Setup

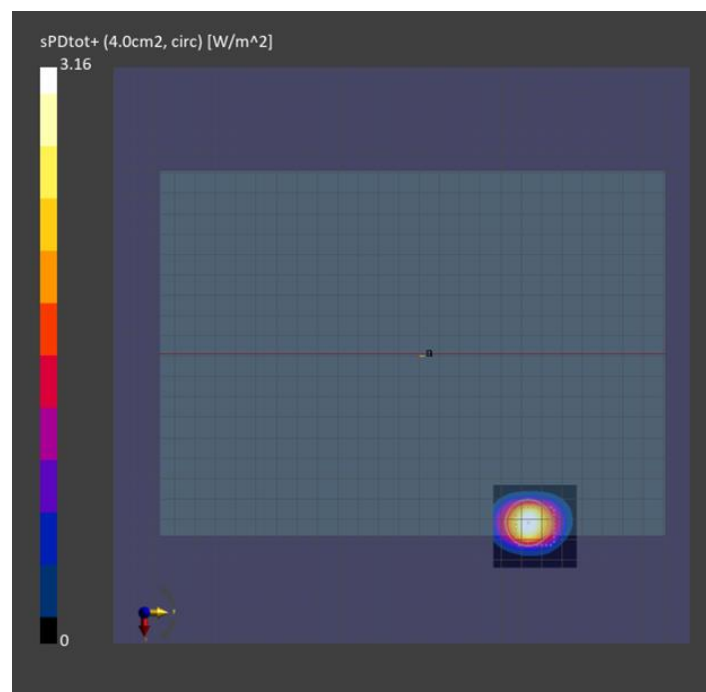
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	30.0 x 30.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDtot [W/m ²]	3.16
psPDn [W/m ²]	2.71
E _{peak} [V/m]	66.6
Power Drift [dB]	0.08



ELEMENT

Date: 06/27/2022

Antenna M2; Beam 177; H; Mid Ch.; CW

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2435	F4LJ2QC79	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance (mm)	Band	Frequency [MHz]
5G	Top	2.00	n261	27925.96

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9416, 12/13/2021	DAE4 Sn1644, 12/13/2021

Software Setup

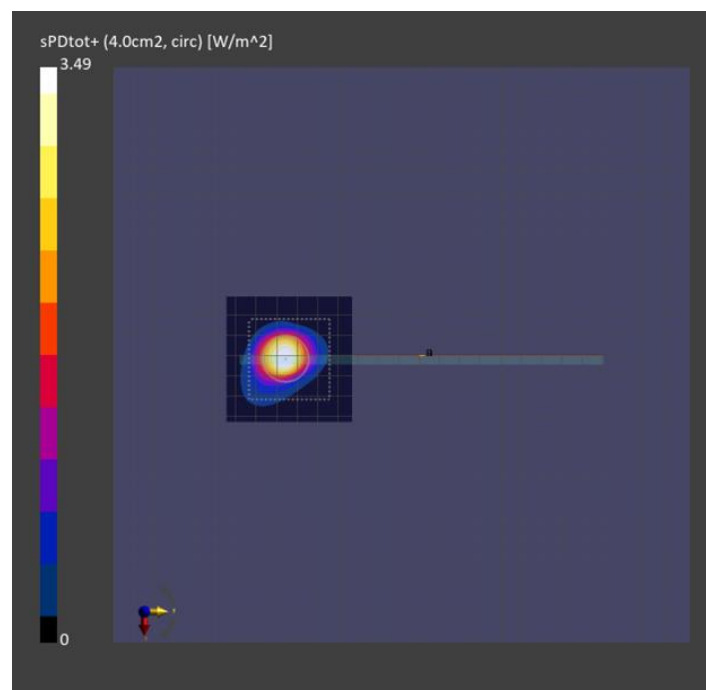
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDtot [W/m ²]	3.49
psPDn [W/m ²]	2.27
E _{peak} [V/m]	90.6
Power Drift [dB]	0.03



ELEMENT

Date: 06/27/2022

Antenna M3; Beam 56; V; Mid Ch.; CW

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2435	XC3GHXJ06J	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance (mm)	Band	Frequency [MHz]
5G	Bottom	2.00	n261	27924.96

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9416, 12/13/2021	DAE4 Sn1644, 12/13/2021

Software Setup

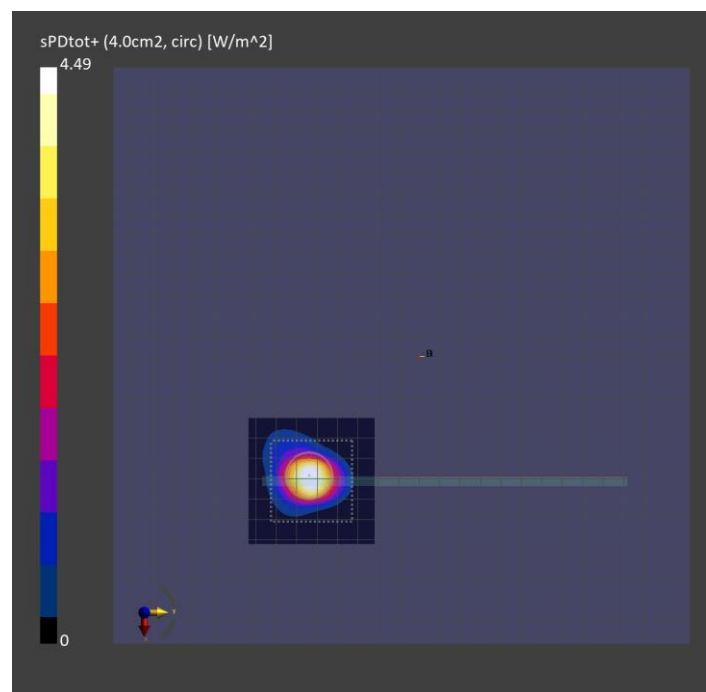
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDtot [W/m ²]	4.49
psPDn [W/m ²]	3.65
E _{peak} [V/m]	89.5
Power Drift [dB]	0.09



ELEMENT

Date: 06/27/2022

Antenna M0; Beam 173; H; Low Ch.; CW

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2435	F4LJ2QC79	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance (mm)	Band	Frequency [MHz]
5G	Front	2.00	n260	37050.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9523, 01/31/2022	DAE4 Sn1403, 02/22/2022

Software Setup

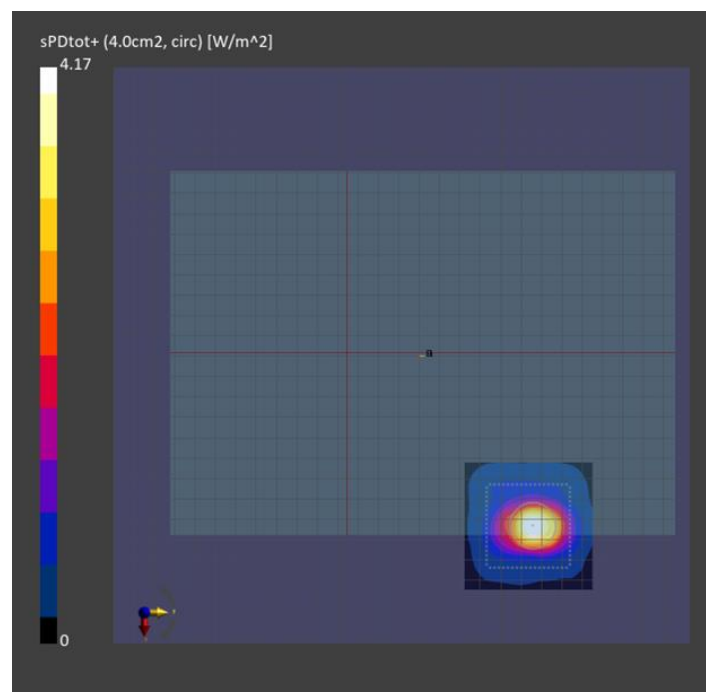
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDtot [W/m ²]	4.17
psPDn [W/m ²]	3.72
E _{peak} [V/m]	88.3
Power Drift [dB]	0.05



ELEMENT

Date: 06/29/2022

Antenna M2; Beam 163; H; Low Ch.; CW

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2435	X29HNWHH2Q	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance (mm)	Band	Frequency [MHz]
5G	Top	2.00	n260	37050.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9416, 12/13/2021	DAE4 Sn1644, 12/13/2021

Software Setup

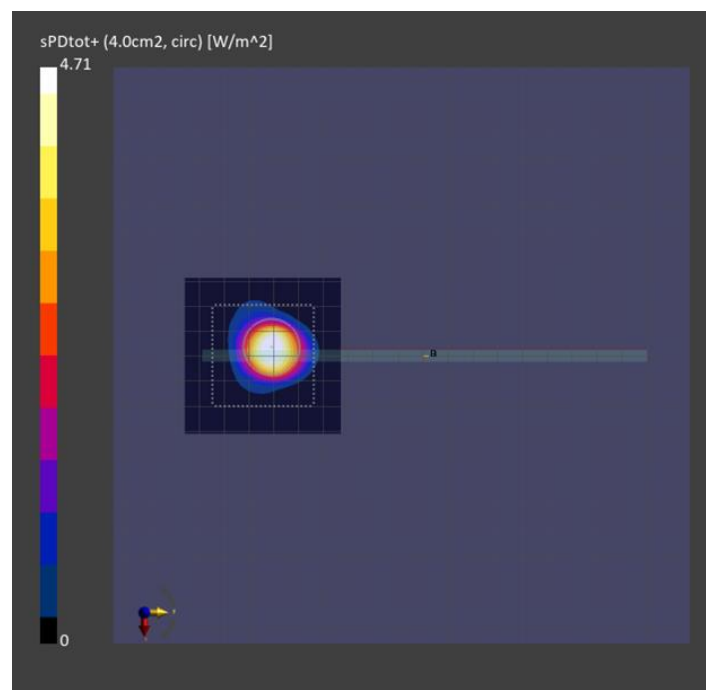
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDtot [W/m ²]	4.71
psPDn [W/m ²]	3.59
E _{peak} [V/m]	113
Power Drift [dB]	0.04



ELEMENT

Date: 06/29/2022

Antenna M3; Beam 40; V; Low Ch.; CW

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2435	KN90M7DDQX	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance (mm)	Band	Frequency [MHz]
5G	Bottom	2.00	n260	37050.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9416, 12/13/2021	DAE4 Sn1644, 12/13/2021

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDtot [W/m ²]	3.50
psPDn [W/m ²]	3.13
E _{peak} [V/m]	86.9
Power Drift [dB]	-0.01

