

APPENDIX A: POWER DENSITY TEST PLOTS

Element

Date: 05/09/2022

Antenna J; Beam 165; H; High Ch.; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1764M	Portable Handset

Exposure Conditions

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

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9364, 06/21/2021	DAE4ip SN1638, 11/11/2021

Software Setup

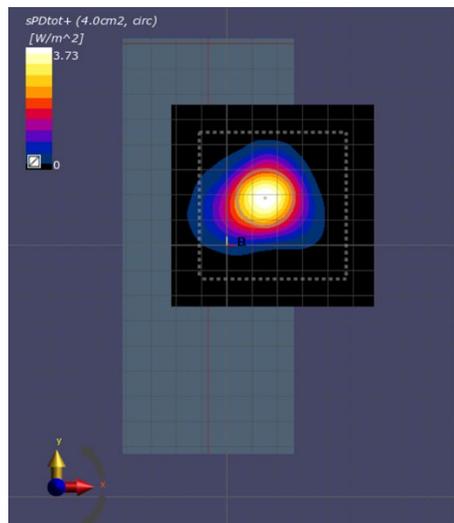
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80x80
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
pS _{tot} avg [W/m ²]	3.73
pS _n avg [W/m ²]	2.89
E _{peak} [V/m]	51.3
Power Drift [dB]	0.07



Element

Date: 05/23/2022

Antenna K; Beam 166; H; Mid Ch.; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1764M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK	2.00	n258	24800.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9364, 06/21/2021	DAE4ip SN1638, 11/11/2021

Software Setup

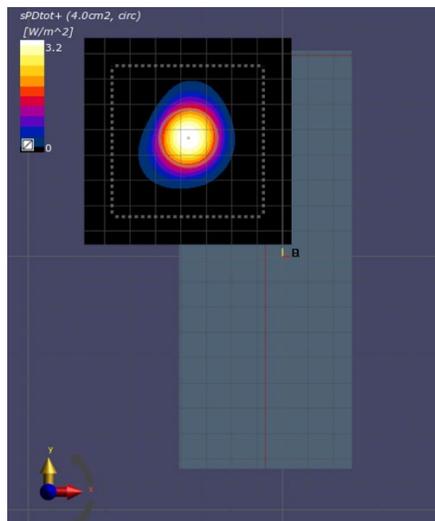
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80x80
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
pS _{tot} avg [W/m ²]	3.20
pS _n avg [W/m ²]	2.65
E _{peak} [V/m]	60.0
Power Drift [dB]	-0.09



Element

Date: 05/09/2022

Antenna J; Beam 165; H; High Ch.; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1763M	Portable Handset

Exposure Conditions

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

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9407, 12/13/2021	DAE4ip SN1639, 01/21/2022

Software Setup

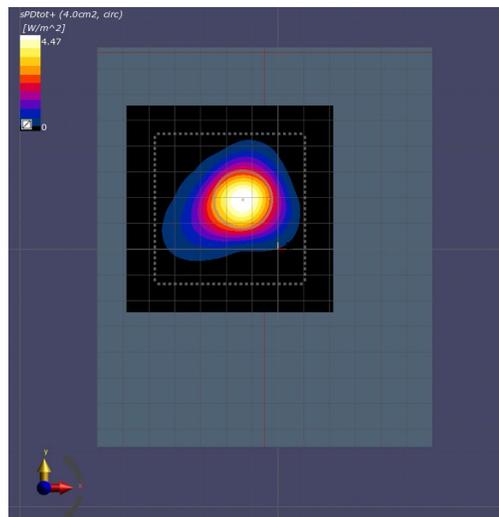
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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 ²]	4.00
pS _{tot} avg [W/m ²]	4.47
pS _n avg [W/m ²]	3.15
E _{peak} [V/m]	59.2
Power Drift [dB]	0.09



Element

Date: 05/23/2022

Antenna K; Beam 166; H; Low Ch.; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1763M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK	2.00	n258	24350.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9407, 12/13/2021	DAE4ip SN1639, 01/21/2022

Software Setup

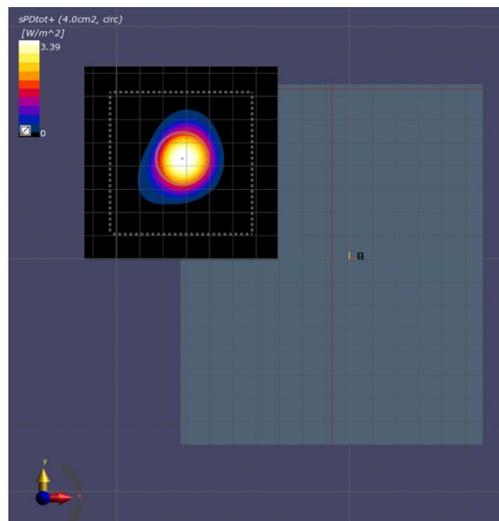
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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 ²]	4.00
pS _{tot} avg [W/m ²]	3.39
pS _n avg [W/m ²]	2.67
E _{peak} [V/m]	62.6
Power Drift [dB]	0.02



Element

Date: 05/09/2022

Antenna J; Beam 162; H; Low Ch.; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1764M	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
EUmWV3 - SN9364, 06/21/2021	DAE4ip SN1638, 11/11/2021

Software Setup

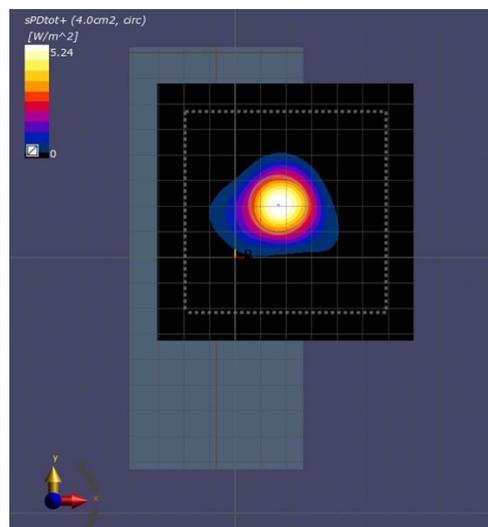
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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 ²]	4.00
pS _{tot} avg [W/m ²]	5.24
pS _n avg [W/m ²]	3.84
E _{peak} [V/m]	69.0
Power Drift [dB]	0.02



Element

Date: 05/16/2022

Antenna K; Beam 167; H; Low Ch.; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1764M	Portable Handset

Exposure Conditions

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

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9364, 06/21/2021	DAE4ip SN1638, 11/11/2021

Software Setup

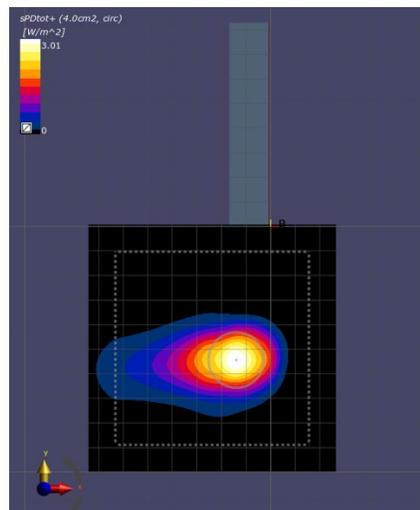
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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 ²]	4.00
pS _{tot} avg [W/m ²]	3.01
pS _n avg [W/m ²]	2.62
E _{peak} [V/m]	62.2
Power Drift [dB]	-0.01



Element

Date: 05/09/2022

Antenna J; Beam 162; H; Low Ch.; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1763M	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
EUmmWV3 - SN9407, 12/13/2021	DAE4ip SN1639, 01/21/2022

Software Setup

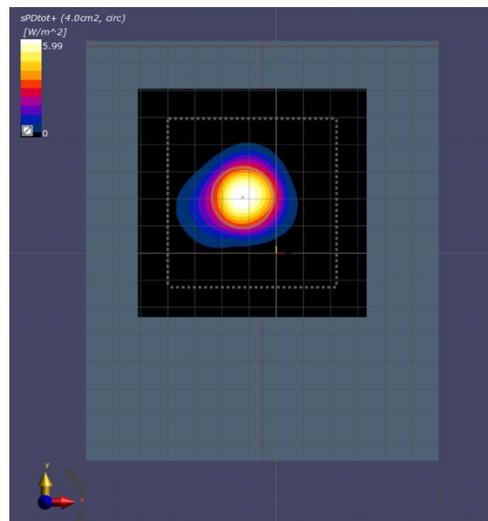
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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 ²]	4.00
pS _{tot} avg [W/m ²]	5.99
pS _n avg [W/m ²]	4.32
E _{peak} [V/m]	80.2
Power Drift [dB]	0.03



Element

Date: 05/16/2022

Antenna K; Beam 167; H; Low Ch.; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1763M	Portable Handset

Exposure Conditions

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

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUMmWV3 - SN9407, 12/13/2021	DAE4ip SN1639, 01/21/2022

Software Setup

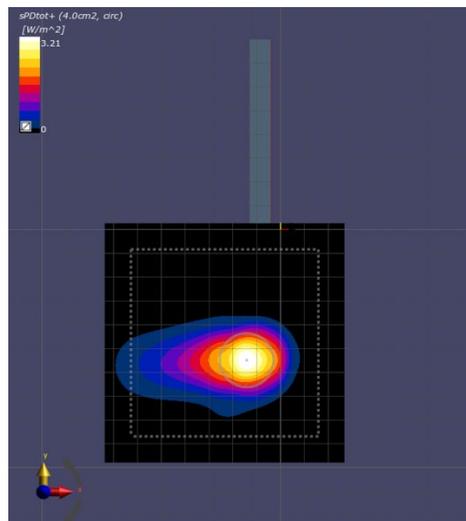
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100x100
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
pS _{tot} avg [W/m ²]	3.21
pS _n avg [W/m ²]	2.80
E _{peak} [V/m]	69.4
Power Drift [dB]	0.05



Element

Date: 05/25/2022

Antenna J; Beam 152; H; High Ch.; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1764M	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
EUMmWV3 - SN9364, 06/21/2021	DAE4ip SN1638, 11/11/2021

Software Setup

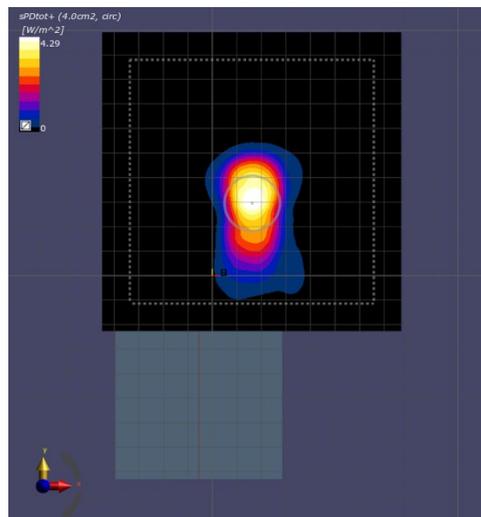
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120x120
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
pS _{tot} avg [W/m ²]	4.29
pS _n avg [W/m ²]	3.09
E _{peak} [V/m]	87.3
Power Drift [dB]	-0.03



Element

Date: 05/11/2022

Antenna K; Beam 31; V; Mid Ch.; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1764M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK	2.00	n260	38500.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9364, 06/21/2021	DAE4ip SN1638, 11/11/2021

Software Setup

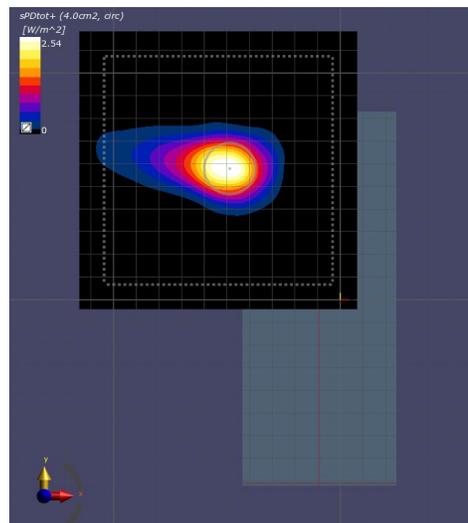
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120x120
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
pS _{tot} avg [W/m ²]	2.54
pS _n avg [W/m ²]	2.41
E _{peak} [V/m]	43.5
Power Drift [dB]	0.03



Element

Date: 05/23/2022

Antenna J; Beam 28; V; Mid Ch.; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1763M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK	2.00	n260	38500.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9407, 12/13/2021	DAE4ip SN1639, 01/21/2022

Software Setup

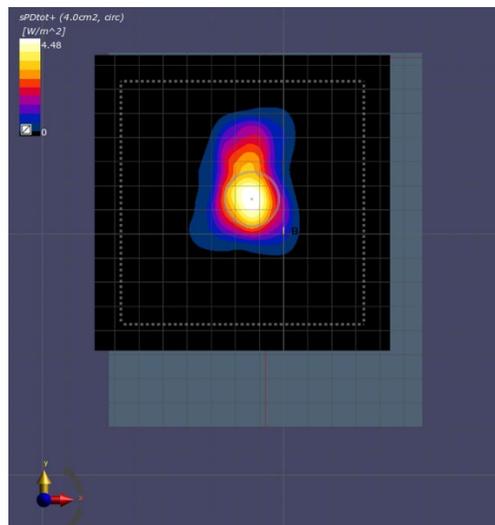
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120x120
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
pS _{tot} avg [W/m ²]	4.48
pS _n avg [W/m ²]	2.64
E _{peak} [V/m]	84.8
Power Drift [dB]	0.13



Element

Date: 05/09/2022

Antenna K; Beam 31; V; Mid Ch.; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936U	VDI1763M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	BACK	2.00	n260	38500.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9407, 12/13/2021	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]	120x120
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
pS _{tot} avg [W/m ²]	2.85
pS _n avg [W/m ²]	2.53
E _{peak} [V/m]	46.8
Power Drift [dB]	-0.03

