

APPENDIX A: POWER DENSITY TEST PLOTS

PCTEST

Date: 04/30/2021

Antenna J; Beam 150; H; Low Ch.; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926U	UDK1557M	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 - SN9523, 01/11/2021	DAE4 SN1639, 11/17/2020

Software Setup

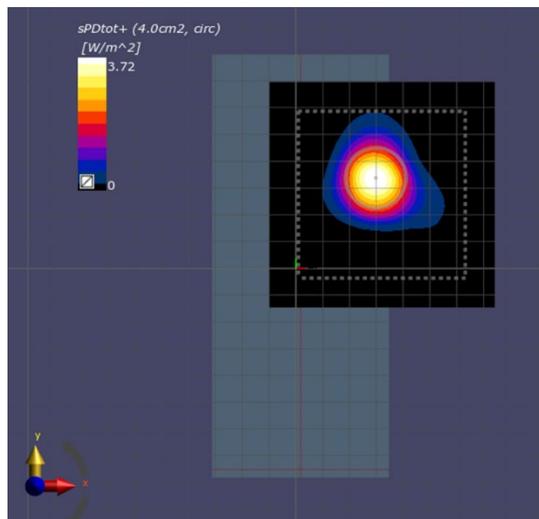
Software	Software Version
cDASY6 Module mmWave	2.2.0.76

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]	3.72
pS _n avg [W/m ²]	2.82
E _{peak} [V/m]	60.7
Power Drift [dB]	0.18



PCTEST

Date: 05/03/2021

Antenna K; Beam 155; H; Low Ch.; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926U	UDK1557M	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
EUmWV3 - SN9523, 01/11/2021	DAE4 SN1639, 11/17/2020

Software Setup

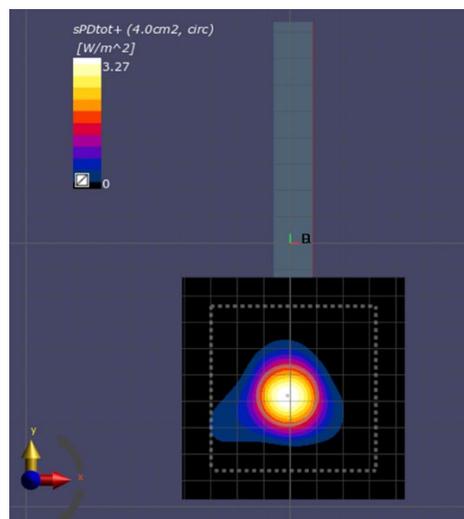
Software	Software Version
cDASY6 Module mmWave	2.2.0.76

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]	3.27
pS _n avg [W/m ²]	2.19
E _{peak} [V/m]	68.8
Power Drift [dB]	-0.02



PCTEST

Date: 05/05/2021

Antenna J; Beam 150; H; Low Ch.; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926U	UDK1511M	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 - SN9523, 01/11/2021	DAE4 SN1639, 11/17/2020

Software Setup

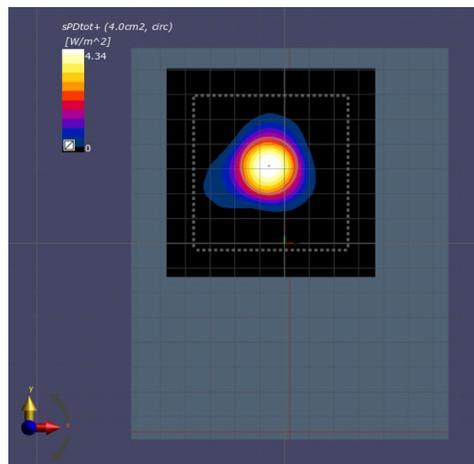
Software	Software Version
cDASY6 Module mmWave	2.2.0.76

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]	4.34
pS _n avg [W/m ²]	3.22
E _{peak} [V/m]	70.4
Power Drift [dB]	-0.08



PCTEST

Date: 05/10/2021

Antenna K; Beam 155; H; Low Ch.; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926U	UDK1511M	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
EUmWV3 - SN9523, 01/11/2021	DAE4 SN1639, 11/17/2020

Software Setup

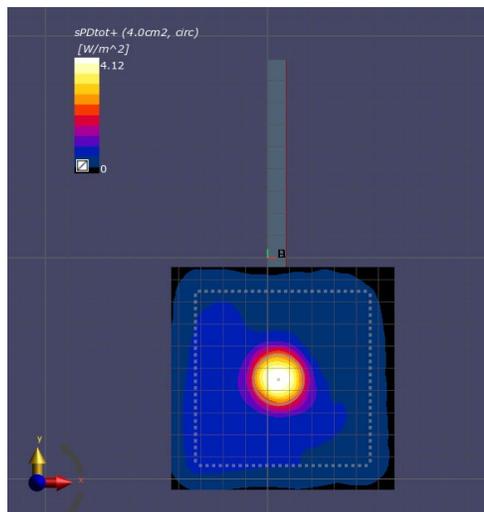
Software	Software Version
cDASY6 Module mmWave	2.2.0.76

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]	4.12
pS _n avg [W/m ²]	3.13
E _{peak} [V/m]	89.4
Power Drift [dB]	-0.04



PCTEST

Date: 05/03/2021

Antenna J; Beam 33; V; Mid Ch.; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926U	UDK1557M	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
EUmWV3 - SN9523, 01/11/2021	DAE4 SN1639, 11/17/2020

Software Setup

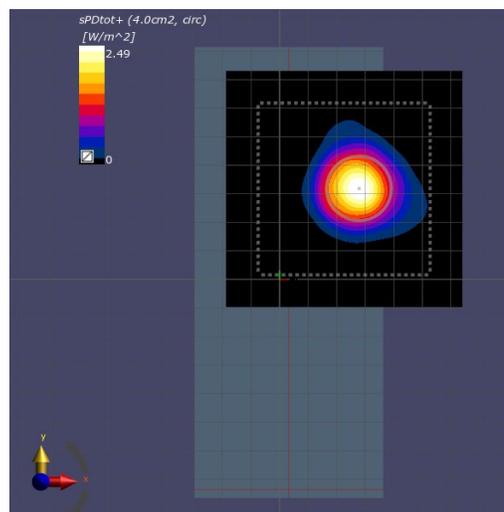
Software	Software Version
cDASY6 Module mmWave	2.2.0.76

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]	2.49
pS _n avg [W/m ²]	1.93
E _{peak} [V/m]	54.0
Power Drift [dB]	0.03



PCTEST

Date: 05/05/2021

Antenna K; Beam 36; V; Mid Ch.; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926U	UDK1511M	Portable Handset

Exposure Conditions

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

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUMmWV3 - SN9523, 01/11/2021	DAE4 SN1639, 11/17/2020

Software Setup

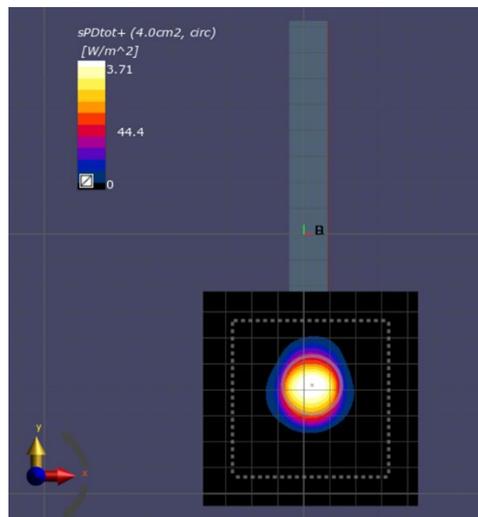
Software	Software Version
cDASY6 Module mmWave	2.2.0.76

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]	3.71
pS _n avg [W/m ²]	3.22
E _{peak} [V/m]	87.5
Power Drift [dB]	-0.07



PCTEST

Date: 05/05/2021

Antenna J; Beam 33; V; Mid Ch.; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926U	UDK1557M	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 - SN9523, 01/11/2021	DAE4 SN1639, 11/17/2020

Software Setup

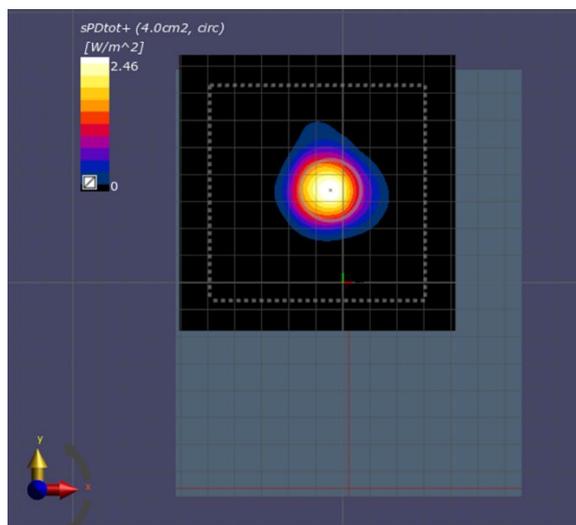
Software	Software Version
cDASY6 Module mmWave	2.2.0.76

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]	2.46
pS _n avg [W/m ²]	1.84
E _{peak} [V/m]	56.8
Power Drift [dB]	-0.20



PCTEST

Date: 05/10/2021

Antenna K; Beam 36; V; Mid Ch.; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926U	UDK1511M	Portable Handset

Exposure Conditions

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

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV3 - SN9523, 01/11/2021	DAE4 SN1639, 11/17/2020

Software Setup

Software	Software Version
cDASY6 Module mmWave	2.2.0.76

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]	4.25
pS _n avg [W/m ²]	3.91
E _{peak} [V/m]	92.6
Power Drift [dB]	0.21

