

Annex B. Plots of Power Density Measurement

The plots for highest maximum average power density in each exposure configuration ,wireless mode and frequency band combination are shown as follows.

Test Lab: Bureau Veritas ADT SAR/HAC/PD Testing Lab

Power Density Plot No.:

P01 n260_CW_Left Side_2mm_Ch2254166_Ant QTM#0_Beam ID 22

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P21050403	156.0 x 72.0 x 10.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Left Side 2.00	n260	CW	38500.0	1.0

Hardware Setup

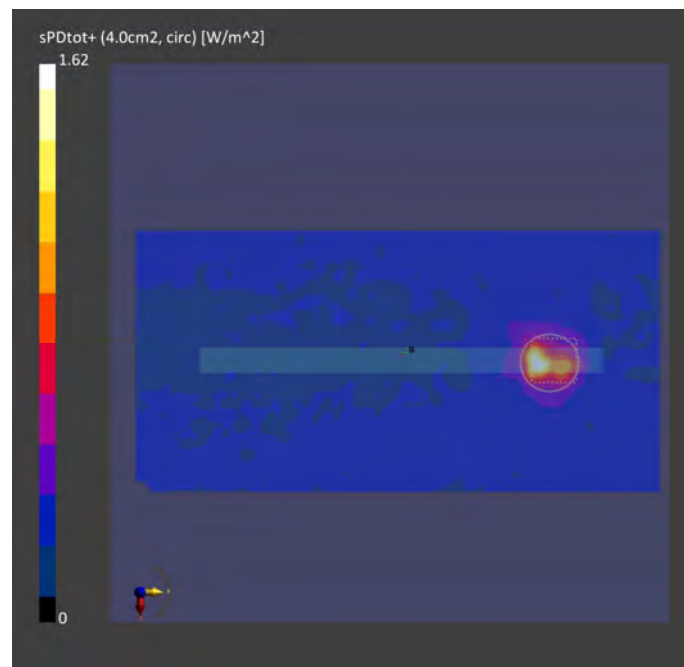
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-78GHz, 2021-07-26	DAE4 Sn915, 2021-06-02

Scan Setup

	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-08-27
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	1.62
pSnavg [W/m ²]	1.51
E _{peak} [V/m]	54.2
Power Drift [dB]	-0.05



Power Density Plot No.:

P02 n260_CW_Left Side_2mm_Ch2229207_Ant QTM#0_Beam ID 150

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P21050403	156.0 x 72.0 x 10.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Left Side 2.00	n260	CW	37050.0	1.0

Hardware Setup

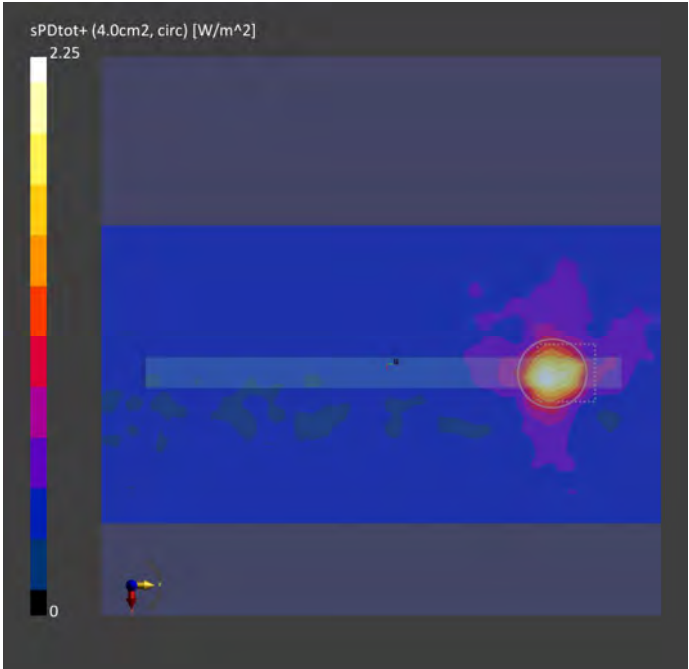
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-78GHz, 2021-07-26	DAE4 Sn915, 2021-06-02

Scan Setup

	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-08-27
Avg. Area [cm²]	4.00
pStotavg[W/m²]	2.25
pSnavg [W/m²]	2.03
E_peak [V/m]	55.2
Power Drift [dB]	0.01



Power Density Plot No.:

P03 n260_CW_Left Side_2mm_Ch2254166_Ant QTM#0_Beam ID 17 145

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P21050403	156.0 x 72.0 x 10.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Left Side 2.00	n260	CW	38500.0	1.0

Hardware Setup

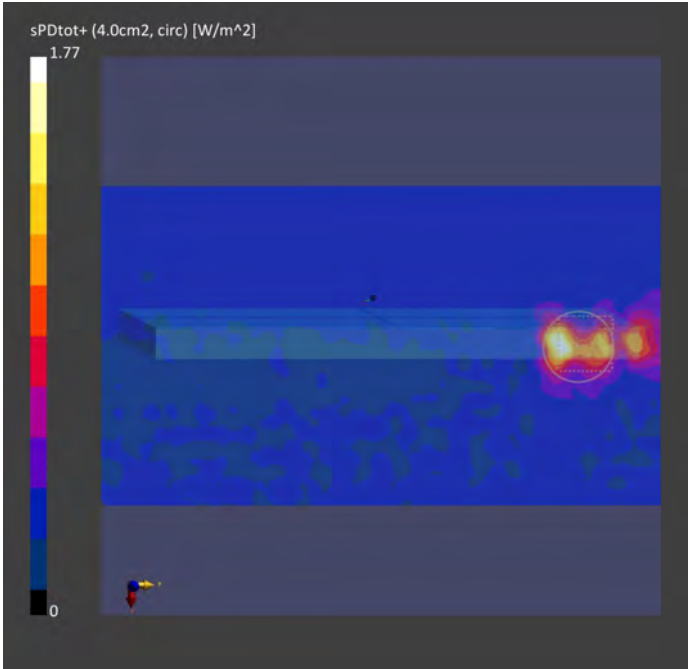
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-78GHz, 2021-07-26	DAE4 Sn915, 2021-06-02

Scan Setup

	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-08-27
Avg. Area [cm²]	4.00
pStotavg[W/m²]	1.77
pSnavg [W/m²]	1.60
E_peak [V/m]	55.7
Power Drift [dB]	-0.01



Power Density Plot No.:

P04 n260_CW_Rear Face_2mm_Ch2278333_Ant QTM#1_Beam ID 13

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P21050403	156.0 x 72.0 x 10.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Rear Face 2.00	n260	CW	39950.0	1.0

Hardware Setup

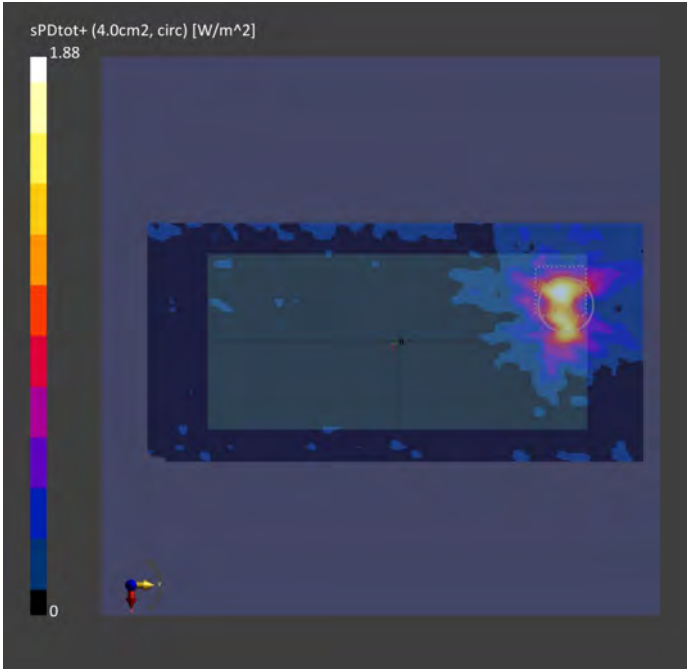
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-78GHz, 2021-07-26	DAE4 Sn915, 2021-06-02

Scan Setup

	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-08-27
Avg. Area [cm²]	4.00
pStotavg[W/m²]	1.88
pSnavg [W/m²]	1.66
E_peak [V/m]	49.4
Power Drift [dB]	-0.06



Power Density Plot No.:

P05 n260_CW_Rear Face_2mm_Ch2254166_Ant QTM#1_Beam ID 140

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P21050403	156.0 x 72.0 x 10.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Rear Face 2.00	n260	CW	38500.0	1.0

Hardware Setup

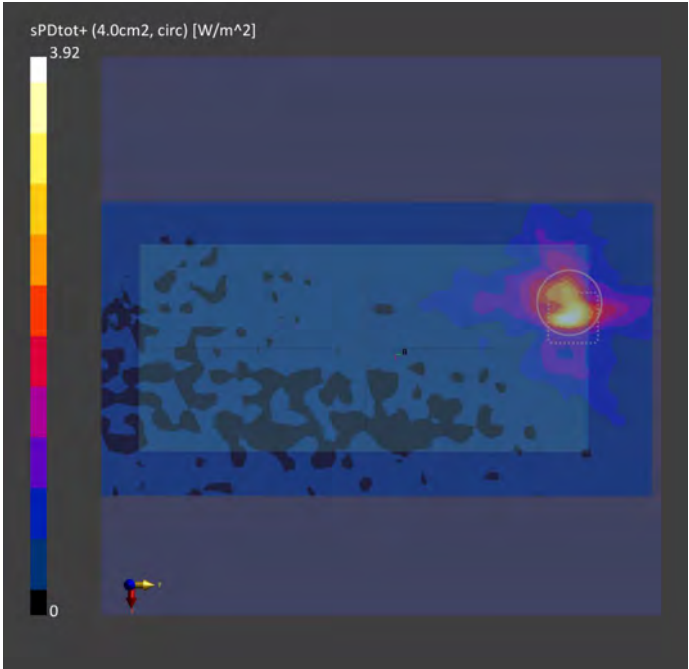
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-78GHz, 2021-07-26	DAE4 Sn915, 2021-06-02

Scan Setup

	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-08-27
Avg. Area [cm²]	4.00
pStotavg[W/m²]	3.88
pSnavg [W/m²]	3.35
E_peak [V/m]	72.5
Power Drift [dB]	-0.01



Power Density Plot No.:

P06 n260_CW_Rear Face_2mm_Ch2278333_Ant QTM#1_Beam ID 12 140

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P21050403	156.0 x 72.0 x 10.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Rear Face 2.00	n260	CW	39950.0	1.0

Hardware Setup

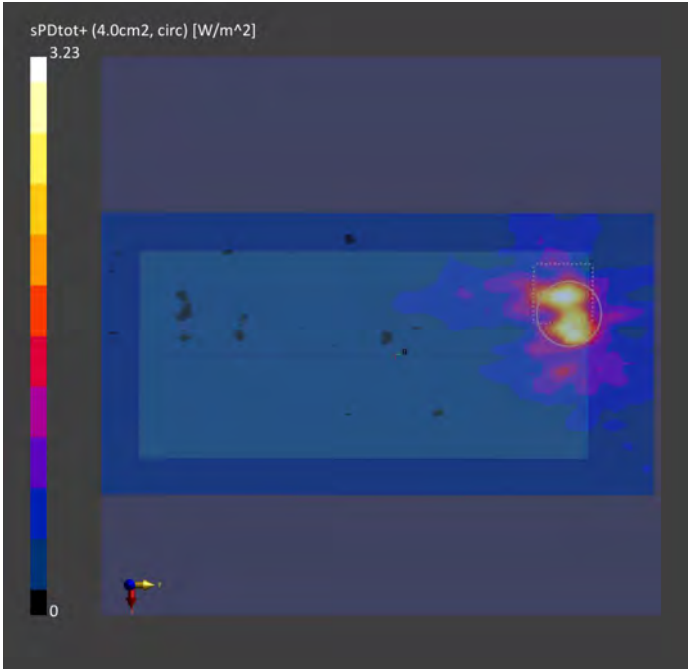
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-78GHz, 2021-07-26	DAE4 Sn915, 2021-06-02

Scan Setup

	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-08-27
Avg. Area [cm²]	4.00
pStotavg[W/m²]	3.23
pSnavg [W/m²]	2.76
E_peak [V/m]	62.9
Power Drift [dB]	-0.05



Power Density Plot No.:

P07 n260_CW_Left Side_2mm_Ch2254166_Ant QTM#0_Beam ID 1

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P21050403	156.0 x 72.0 x 10.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Left Side 2.00	n260	CW	38500.0	1.0

Hardware Setup

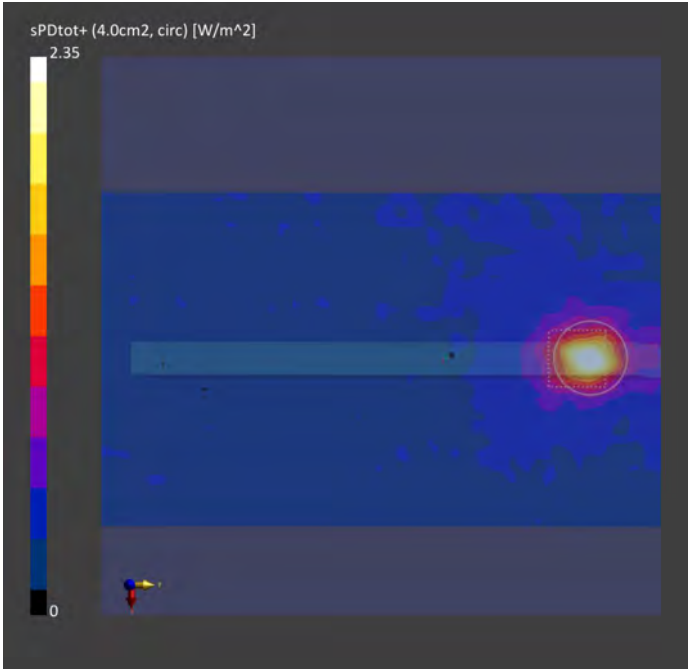
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-78GHz, 2021-07-26	DAE4 Sn915, 2021-06-02

Scan Setup

	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-08-27
Avg. Area [cm²]	4.00
pStotavg[W/m²]	2.34
pSnavg [W/m²]	2.03
E_peak [V/m]	58.0
Power Drift [dB]	-0.03



Power Density Plot No.:

P08 n261_CW_Left Side_2mm_Ch2071833_Ant QTM#0_Beam ID 22

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P21050403	156.0 x 72.0 x 10.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Left Side 2.00	n261	CW	27560.0	1.0

Hardware Setup

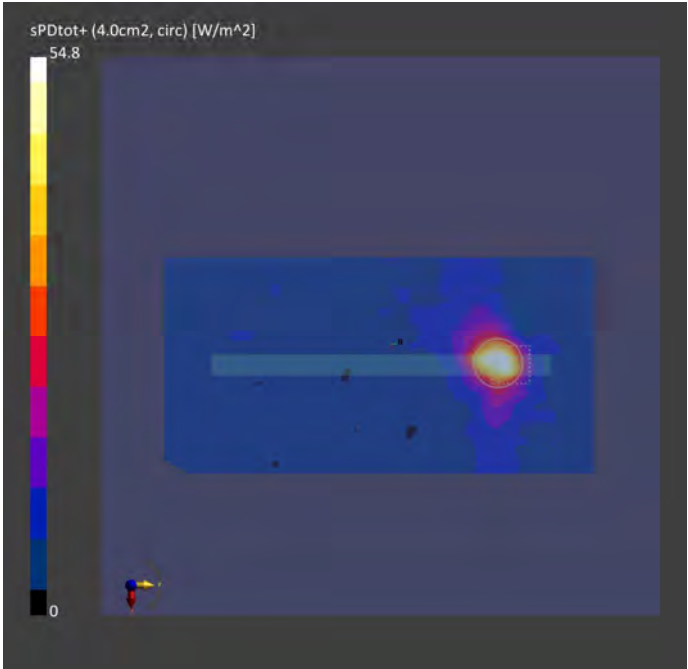
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-78GHz, 2021-07-26	DAE4 Sn915, 2021-06-02

Scan Setup

	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-08-27
Avg. Area [cm²]	4.00
pStotavg[W/m²]	3.81
pSnavg [W/m²]	3.33
E_peak [V/m]	66.3
Power Drift [dB]	-0.17



Power Density Plot No.:

P09 n261_CW_Left Side_2mm_Ch2071833_Ant QTM#0_Beam ID 149

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P21050403	156.0 x 72.0 x 10.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Left Side 2.00	n261	CW	27560.0	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-78GHz, 2021-07-26	DAE4 Sn915, 2021-06-02

Scan Setup

	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-08-27
Avg. Area [cm²]	4.00
pStotavg[W/m²]	3.85
pSnavg [W/m²]	3.48
Epeak [V/m]	69.5
Power Drift [dB]	0.12

