

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

Power Density Plot No.:

P13 5G NR n258_CW_Rear Face_2mm_Ch2016667_Ant 0_Beam ID 47 175

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Rear Face 2.00	n258	CW	24250.0	1.0

Hardware Setup

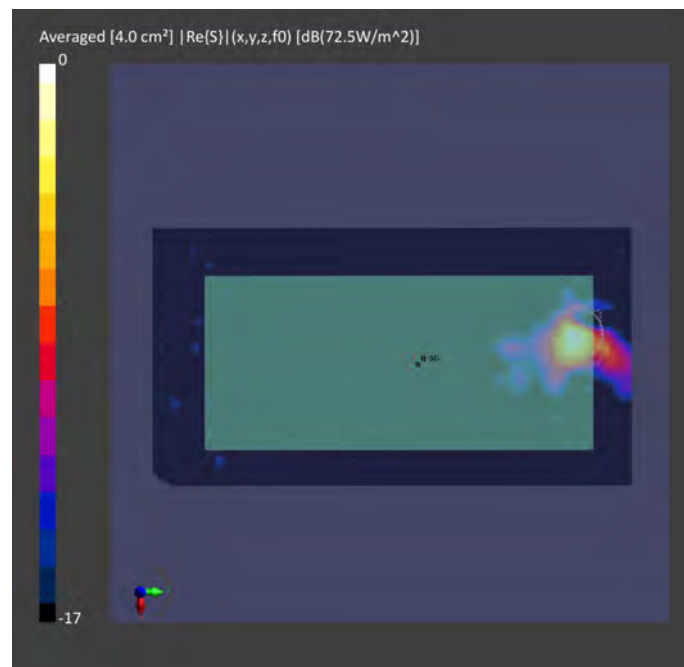
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV4 - SN9454_F1-78GHz, 2020-09-24	DAE4 Sn861, 2020-05-27

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-02-22
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	4.54
pSnavg [W/m ²]	3.20
E _{peak} [V/m]	87.7



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

Power Density Plot No.:

P14 5G NR n258_CW_Right Side_2mm_Ch2043750_Ant 1_Beam ID 28

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Right Side 2.00	n258	CW	25875.0	1.0

Hardware Setup

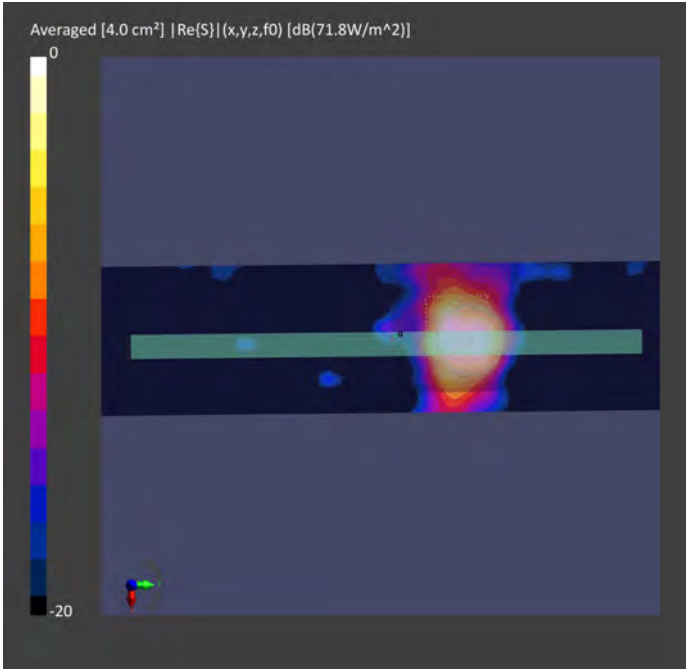
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV4 - SN9454_F1-78GHz, 2020-09-24	DAE4 Sn861, 2020-05-27

Scan Setup

	5G Scan
Grid Extents [mm]	10.0 x 10.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-02-20
Avg. Area [cm²]	4.00
pStotavg[W/m²]	4.50
pSnavg [W/m²]	3.94
E_peak [V/m]	71.8



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

Power Density Plot No.:

P15 5G NR n258_CW_Right Side_2mm_Ch2070832_Ant 1_Beam ID 155

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Right Side 2.00	n258	CW	27500.0	1.0

Hardware Setup

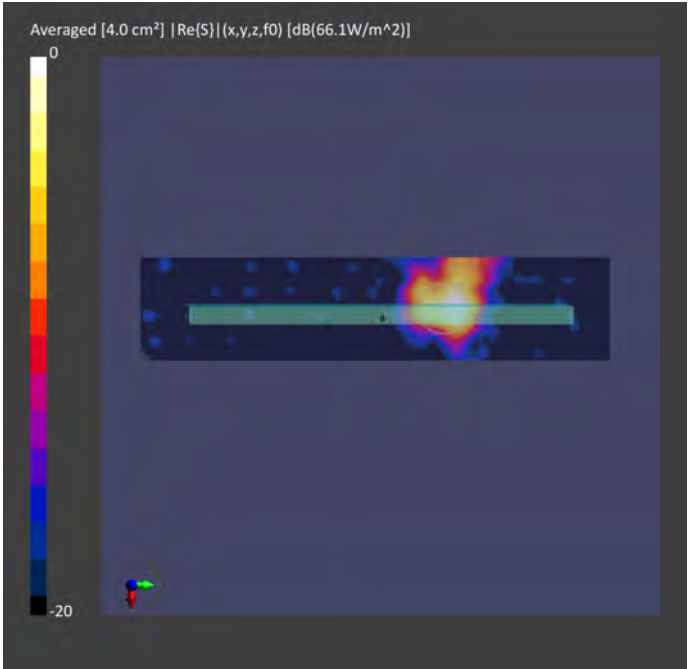
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	6.0 x 6.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-02-23
Avg. Area [cm²]	4.00
pStotavg[W/m²]	4.18
pSnavg [W/m²]	3.59
E_peak [V/m]	66.1



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

Power Density Plot No.:

P16 5G NR n258_CW_Right Side_2mm_Ch2043750_Ant 1_Beam ID 42 170

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Right Side 2.00	n258	CW	25875.0	1.0

Hardware Setup

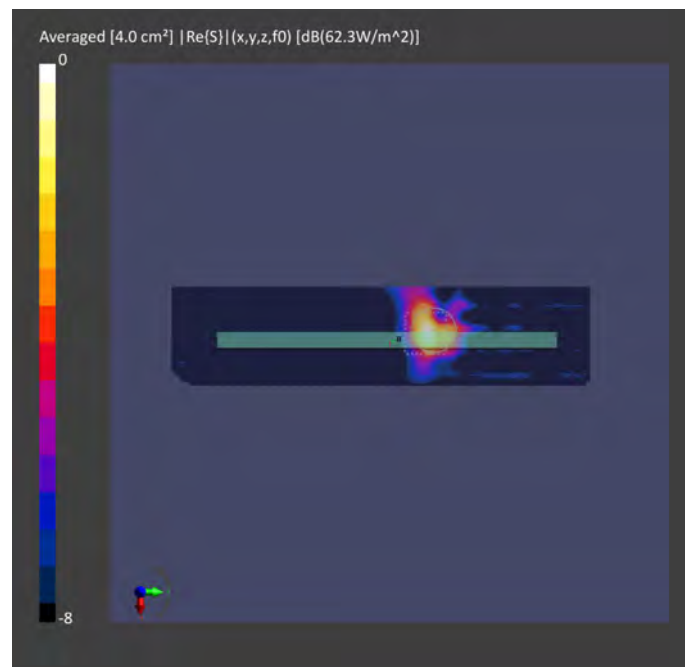
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	4.0 x 10.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-02-20
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	3.77
pSnavg [W/m ²]	3.23
E _{peak} [V/m]	62.3



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

Power Density Plot No.:

P17 5G NR n258_CW_Left Side_2mm_Ch2070832_Ant 2_Beam ID 37

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Left Side 2.00	n258	CW	27500.0	1.0

Hardware Setup

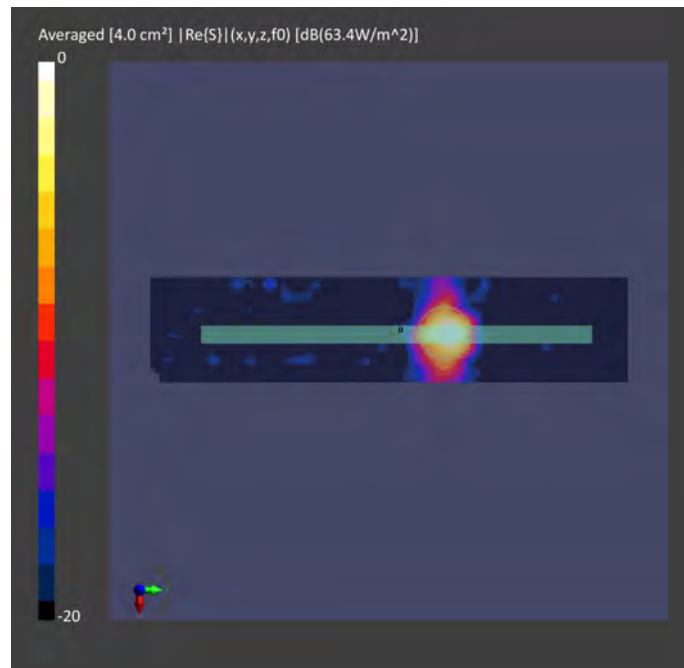
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	4.0 x 10.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-02-23
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	4.64
pSnavg [W/m ²]	4.06
E _{peak} [V/m]	75.6



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

Power Density Plot No.:

P18 5G NR n258_CW_Left Side_2mm_Ch2016667_Ant 2_Beam ID 165

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Left Side 2.00	n258	CW	24250.0	1.0

Hardware Setup

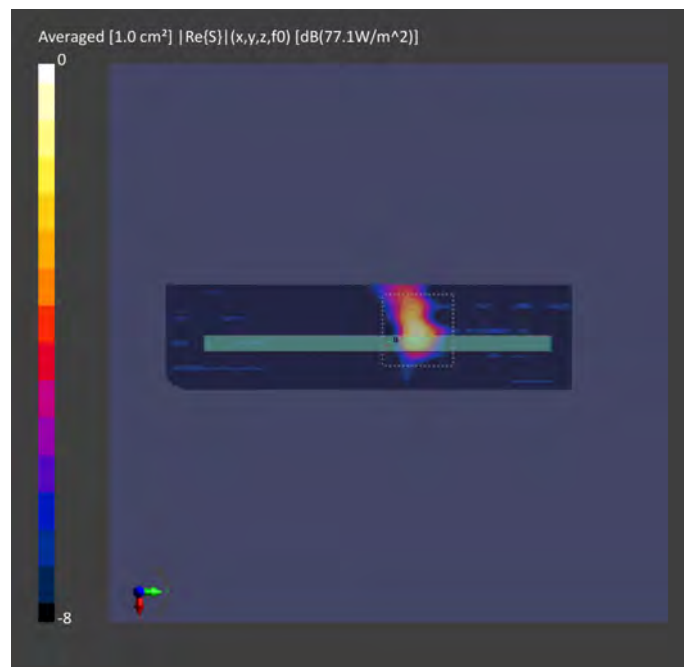
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	6.0 x 8.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
	N/A

Measurement Results

	5G Scan
Date	2021-02-20
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	5.23
pSnavg [W/m ²]	4.28
E _{peak} [V/m]	77.1



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

Power Density Plot No.:

P19 5G NR n258_CW_Left Side_2mm_Ch2016667_Ant 2_Beam ID 37 165

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Left Side 2.00	n258	CW	24250.0	1.0

Hardware Setup

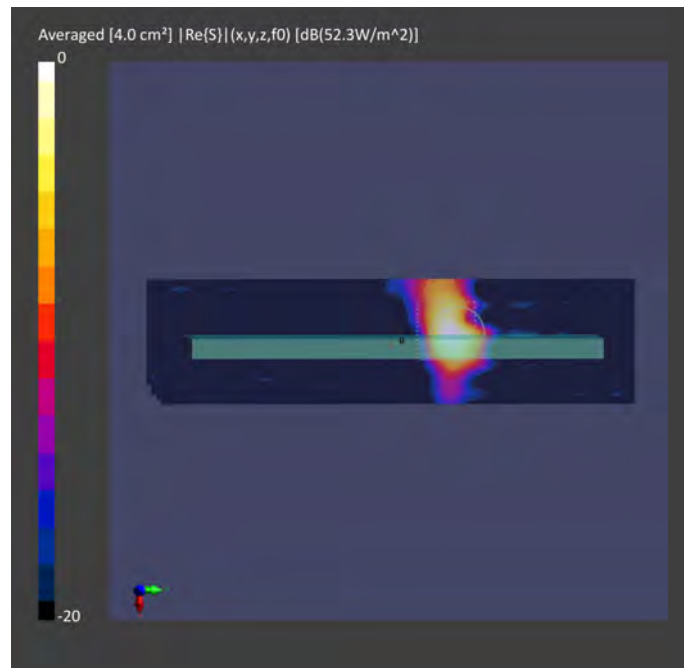
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	6.0 x 6.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-02-20
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	3.98
pSnavg [W/m ²]	3.12
E _{peak} [V/m]	63.9



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

Power Density Plot No.:

P21 5G NR n260_CW_Rear Face_2mm_Ch2278331_Ant 0_Beam ID 31

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		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	39949.9	1.0

Hardware Setup

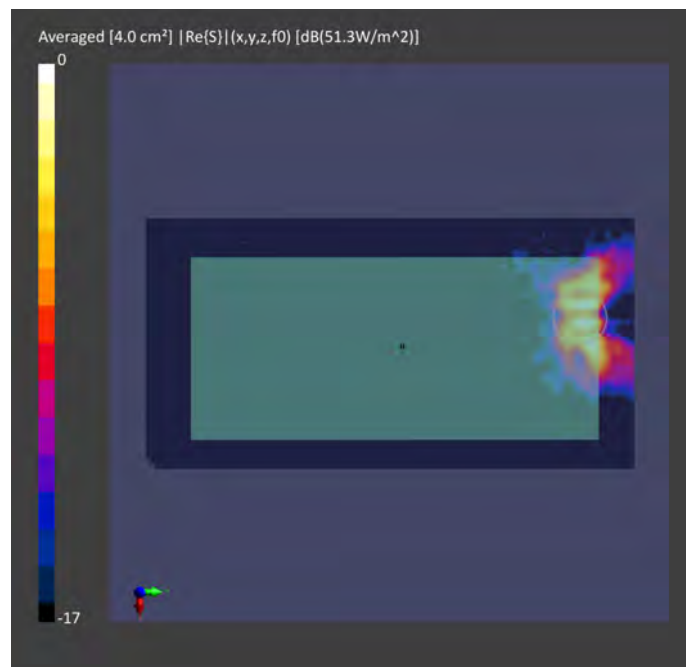
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	6.0 x 20.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-03-06
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	2.61
pSnavg [W/m ²]	2.02
E _{peak} [V/m]	65.2



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

Power Density Plot No.:

P47 5G NR n260_CW_Rear Face_2mm_Ch2278331_Ant 0_Beam ID 162

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		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	39949.9	1.0

Hardware Setup

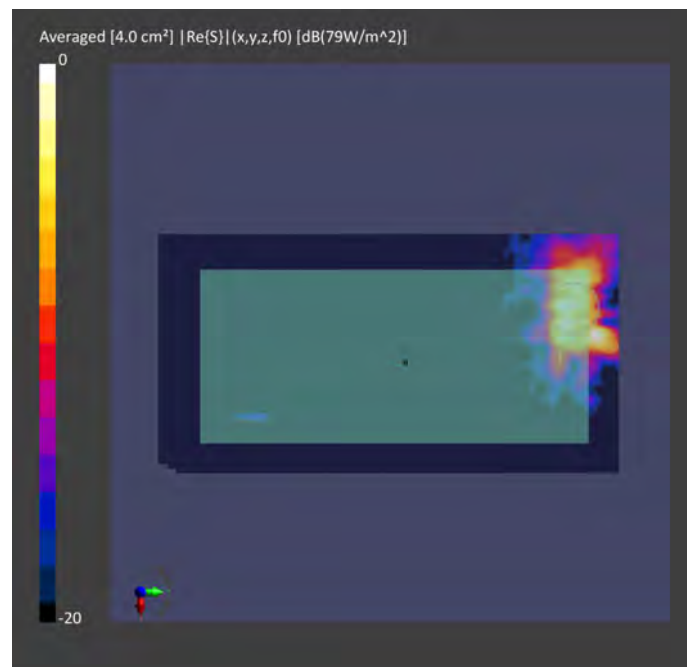
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	8.0 x 18.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-03-06
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	4.36
pSnavg [W/m ²]	3.21
E _{peak} [V/m]	87.0



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

Power Density Plot No.:

P23 5G NR n260_CW_Rear Face_2mm_Ch2278331_Ant 0_Beam ID 31 159

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		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	39949.9	1.0

Hardware Setup

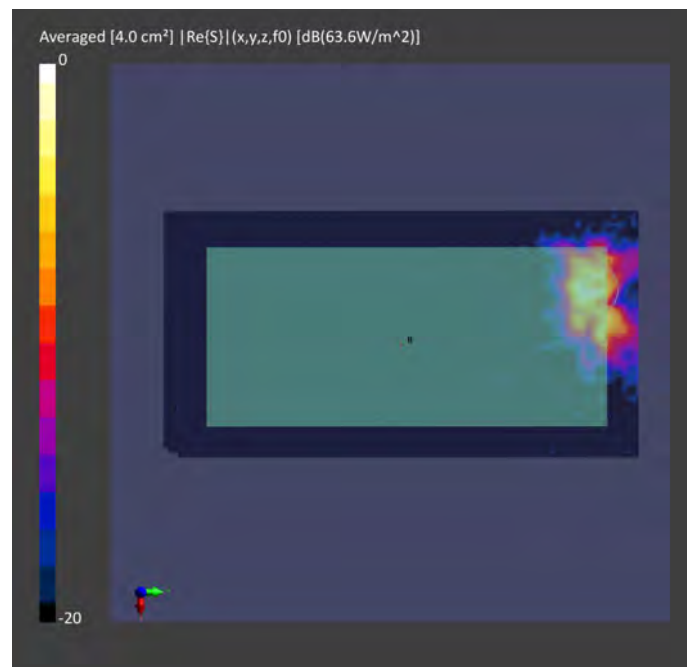
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	8.0 x 8.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-03-06
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	3.01
pSnavg [W/m ²]	2.54
E _{peak} [V/m]	63.6



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

Power Density Plot No.:

P24 5G NR n260_CW_Right Side_2mm_Ch2278331_Ant 1_Beam ID 40

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Right Side 2.00	n260	CW	39949.9	1.0

Hardware Setup

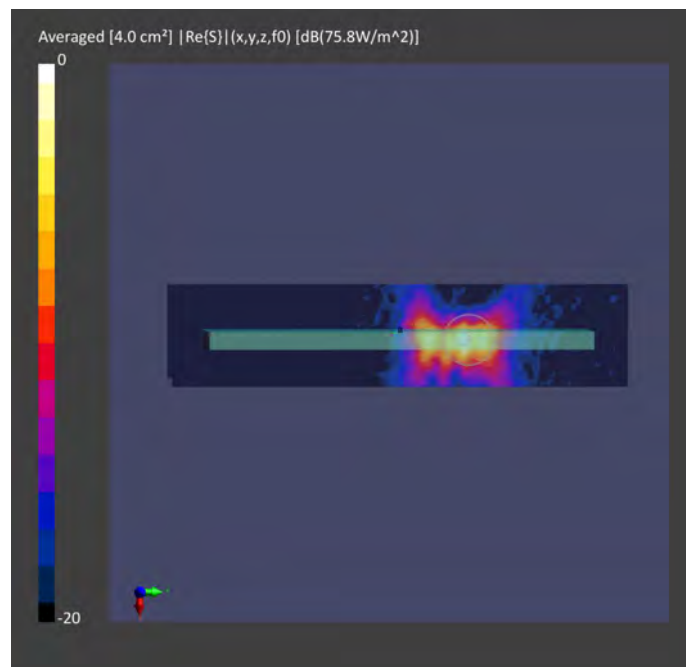
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

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

Measurement Results

	5G Scan
Date	2021-03-06
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	3.50
pSnavg [W/m ²]	2.69
E _{peak} [V/m]	95.3



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

Power Density Plot No.:

P43 5G NR n260_CW_Right Side_2mm_Ch2278331_Ant 1_Beam ID 170

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Right Side 2.00	n260	CW	39949.9	1.0

Hardware Setup

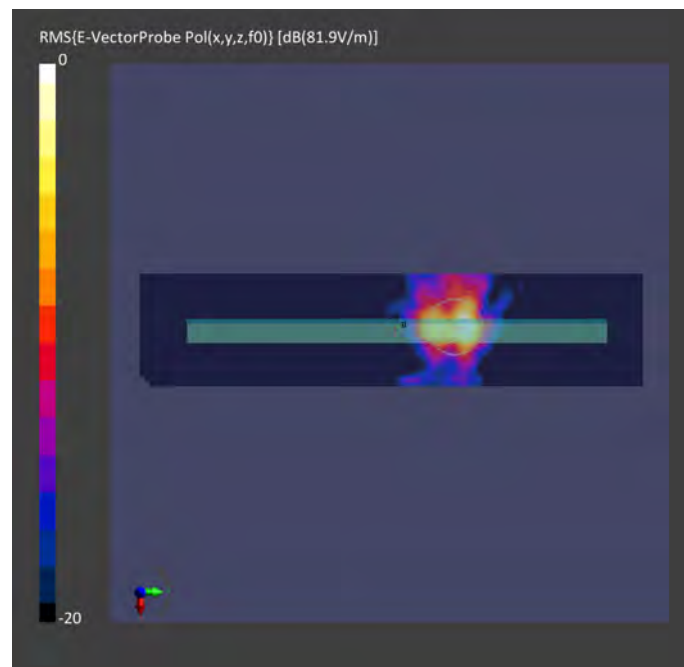
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	2.0 x 4.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-03-06
Avg. Area [cm²]	4.00
pStotavg[W/m²]	5.47
pSnavg [W/m²]	4.92
E _{peak} [V/m]	93.8



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

Power Density Plot No.:

P26 5G NR n260_CW_Right Side_2mm_Ch2278331_Ant 1_Beam ID 26 154

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
WTW-P20120540	172.0 x 77.0 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5GAir	Right Side 2.00	n260	CW	39949.9	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	--Air--	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	6.0 x 4.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-03-06
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	1.83
pSnavg [W/m ²]	1.43
E _{peak} [V/m]	55.4

