

ANNEX A – TEST PLOTS

Plots of System Check

Measurement Report for Device, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	100.0 x 100.0 x 100.0		Dipole

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

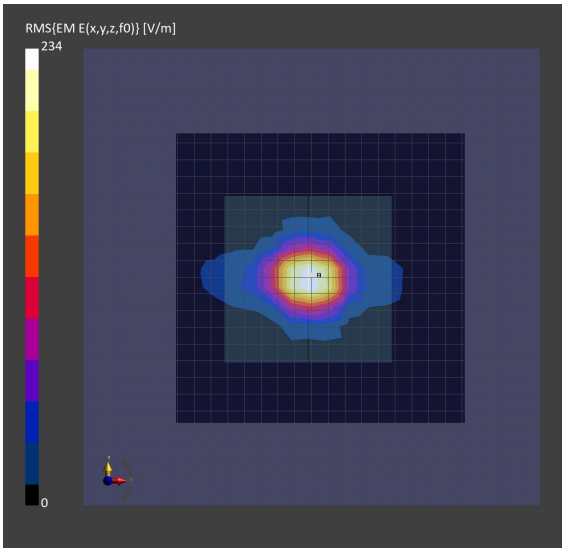
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1087	Air -	EUmmWV4 - SN9533_F1-55GHz, 2023-8-18	DAE4 Sn546, 2023-9-15

Scans Setup

Scan Type Scan	5G
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.15 x 0.15
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2024-04-10, 12:53
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	142
psPDtot+ [W/m ²]	145
psPDmod+ [W/m ²]	148
E _{max} [V/m]	234
Power Drift [dB]	-0.13



Measurement Report for Device, BACK, U-NII-5, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle), Channel 1 (5955.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	175.0 x 83.0 x 15.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-5	WLAN, 10683-AAC	5955.0, 3	1.0

Hardware Setup

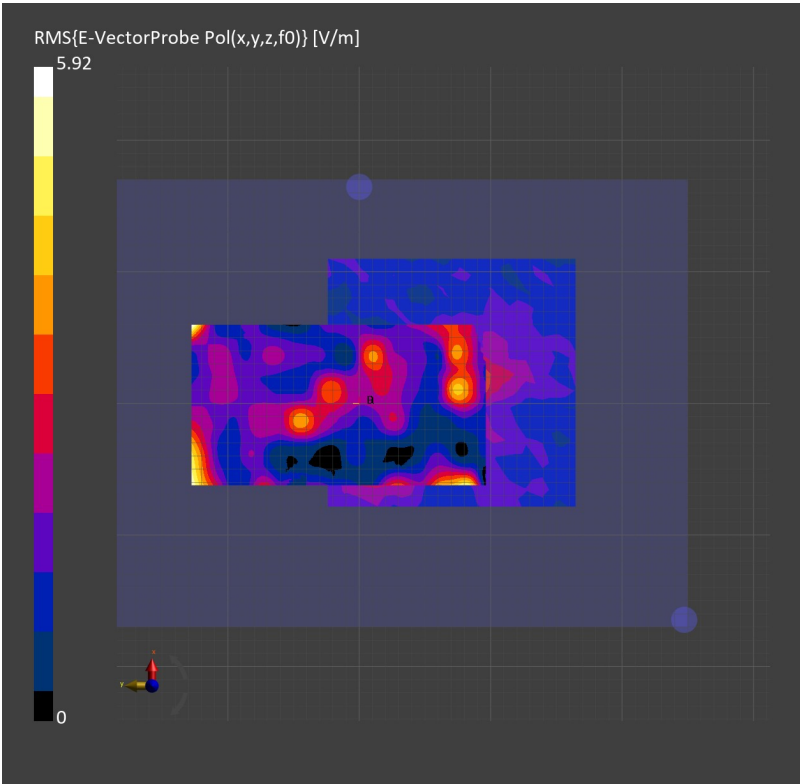
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1087	Air –	EUmmWV4 – SN9603_F1-55GHz, 2021-11-26	DAE4 Sn546, 2023-09-14

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	1.00
psPDn+ [W/m²]	0.387
psPDtot+ [W/m²]	0.512
psPDmod+ [W/m²]	1.03
E _{max} [V/m]	33.0
Power Drift [dB]	0.01



Measurement Report for Device, BACK, U-NII-5, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle), Channel 45 (6175.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	175.0 x 83.0 x 15.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-5	WLAN, 10683-AAC	6175.0, 45	1.0

Hardware Setup

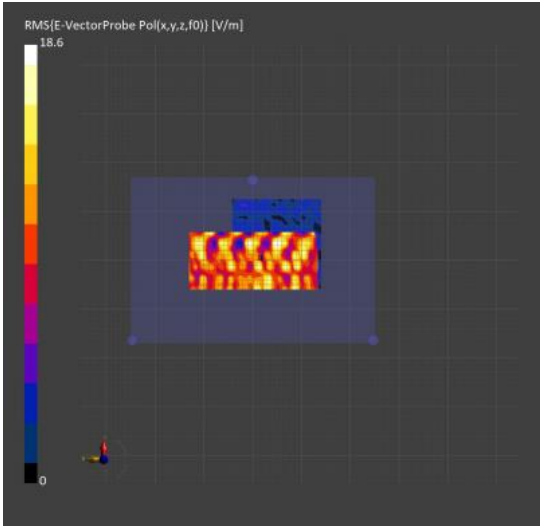
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1087	Air -	EUmmWV4 - SN9533_F1-55GHz, 2023-8-18	DAE4 Sn546, 2023-9-15

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-11, 10:54
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.416
psPDtot+ [W/m ²]	0.656
psPDmod+ [W/m ²]	1.13
E _{max} [V/m]	35.3
Power Drift [dB]	-0.03



Measurement Report for Device, BACK, U-NII-6, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle), Channel 105 (6475.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	175.0 x 83.0 x 15.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-6	WLAN, 10683-AAC	6475.0, 105	1.0

Hardware Setup

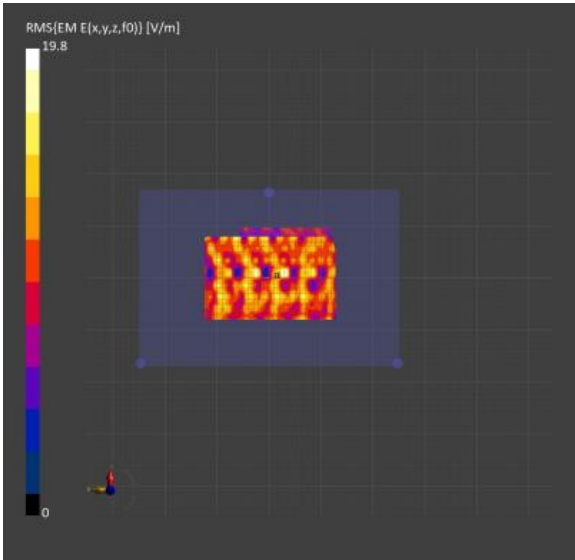
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1087	Air -	EUmmWV4 - SN9533_F1-55GHz, 2023-8-18	DAE4 Sn546, 2023-9-15

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-11, 12:30
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.375
psPDtot+ [W/m ²]	0.468
psPDmod+ [W/m ²]	0.548
E _{max} [V/m]	19.8
Power Drift [dB]	-0.12



Measurement Report for Device, BACK, U-NII-7, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle), Channel 149 (6695.0 MHz)
Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	175.0 x 83.0 x 15.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-7	WLAN, 10683-AAC	6695.0, 149	1.0

Hardware Setup

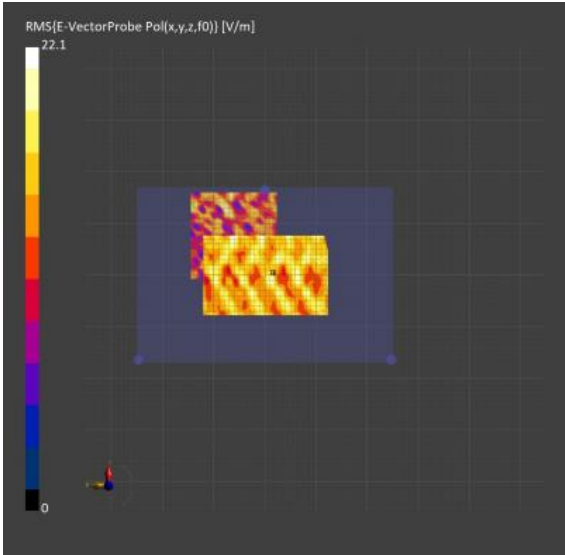
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1087	Air -	EUmmWV4 - SN9533_F1-55GHz, 2023-8-18	DAE4 Sn546, 2023-9-15

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-11, 14:53
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.218
psPDtot+ [W/m ²]	0.223
psPDmod+ [W/m ²]	0.237
E _{max} [V/m]	12.3
Power Drift [dB]	-0.08



Measurement Report for Device, BACK, U-NII-8, IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle), Channel 209 (6995.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	175.0 x 83.0 x 15.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-8	WLAN, 10683-AAC	6995.0, 209	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1087	Air -	EUmmWV4 - SN9533_F1-55GHz, 2023-8-18	DAE4 Sn546, 2023-9-15

Scans Setup

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

Measurement Results

Scan Type	5G Scan
Date	2024-04-11, 16:24
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.252
psPDtot+ [W/m ²]	0.276
psPDmod+ [W/m ²]	0.317
E _{max} [V/m]	13.1
Power Drift [dB]	-0.04

