

Appendix C System Check (PD)

C.1 System check result

C.2 20210517_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn509, 2020-07-08

Scan Setup

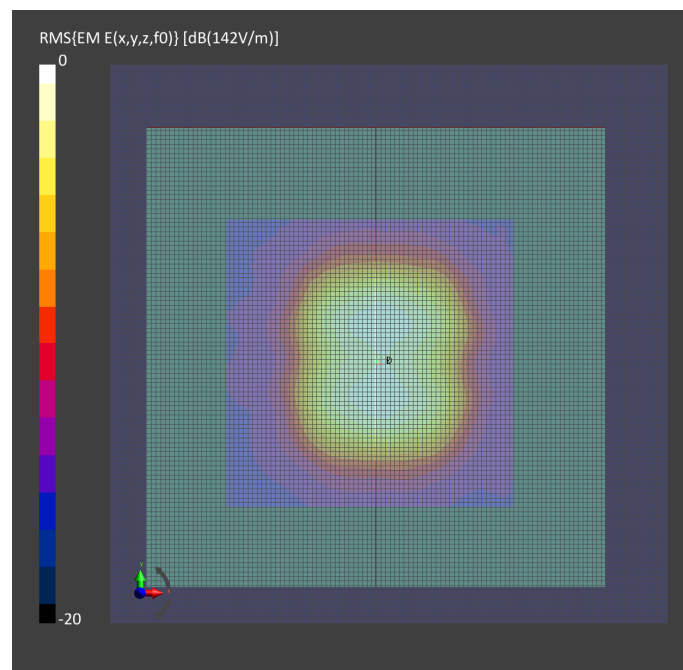
	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-05-17, 08:45
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	38.4
pS _n avg [W/m ²]	38.0
E _{peak} [V/m]	142
Power Drift [dB]	0.05

Warning(s) / Error(s)

Details	5G Scan
Warning(s)	
Error(s)	



C.3 20210518_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn509, 2020-07-08

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

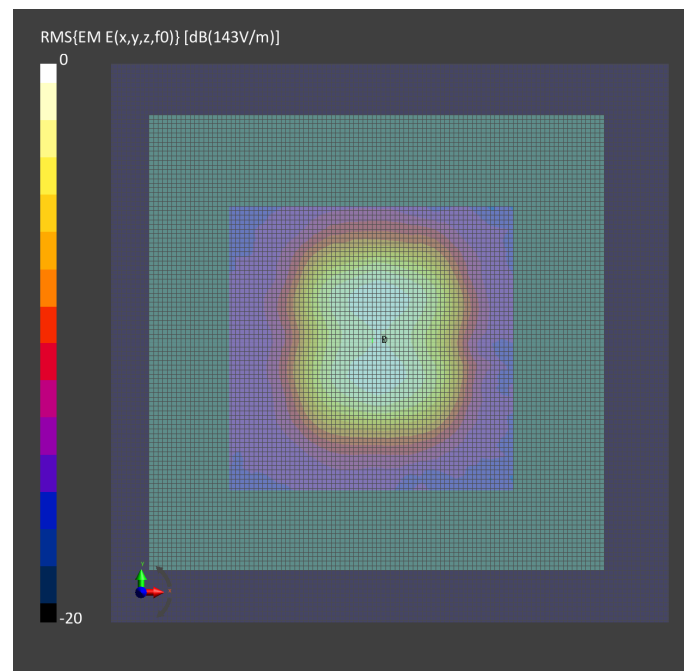
	5G Scan
Date	2021-05-18, 08:24
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	39.1
pS _n avg [W/m ²]	38.7
E _{peak} [V/m]	143
Power Drift [dB]	-0.02

Warning(s) / Error(s)

Details	5G Scan
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Warning(s)

Error(s)



C.4 20210519_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn509, 2020-07-08

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

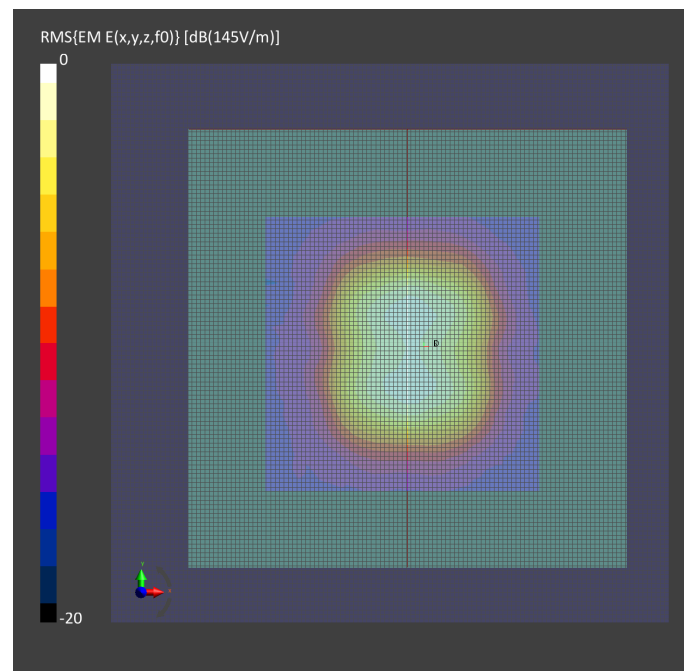
	5G Scan
Date	2021-05-19, 08:33
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	39.0
pS _n avg [W/m ²]	38.6
E _{peak} [V/m]	145
Power Drift [dB]	0.04

Warning(s) / Error(s)

Details	5G Scan
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Warning(s)

Error(s)



C.5 20210526_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn509, 2020-07-08

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

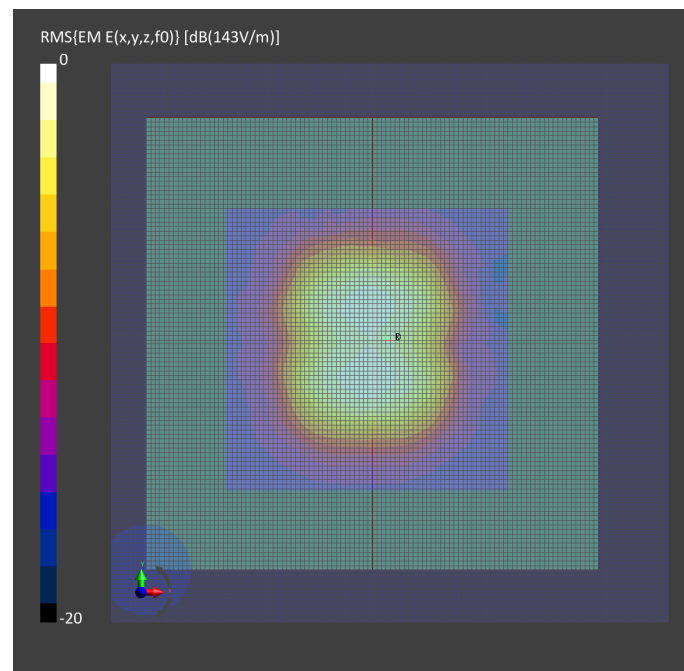
	5G Scan
Date	2021-05-26, 08:36
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	38.2
pS _n avg [W/m ²]	37.7
E _{peak} [V/m]	143
Power Drift [dB]	-0.02

Warning(s) / Error(s)

Details	5G Scan
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Warning(s)

Error(s)



C.6 20210528_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn509, 2020-07-08

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

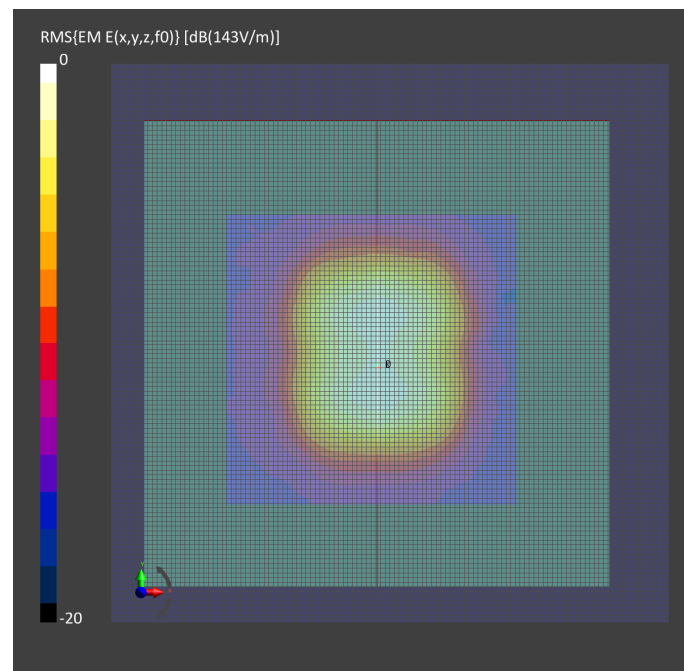
	5G Scan
Date	2021-05-28, 09:08
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	39.1
pS _n avg [W/m ²]	38.7
E _{peak} [V/m]	143
Power Drift [dB]	-0.01

Warning(s) / Error(s)

Details	5G Scan
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Warning(s)

Error(s)



C.7 20210611_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn509, 2020-07-08

Scan Setup

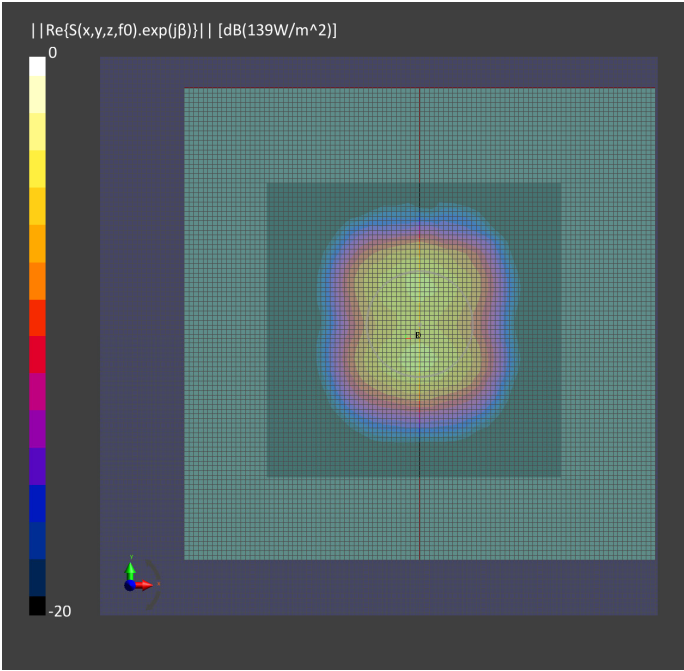
	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-06-11, 09:30
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	36.6
pS _n avg [W/m²]	36.2
E _{peak} [V/m]	139
Power Drift [dB]	-0.03

Warning(s) / Error(s)

Details	5G Scan
Warning(s)	
Error(s)	



C.8 20210708_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn1372, 2020-08-12

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

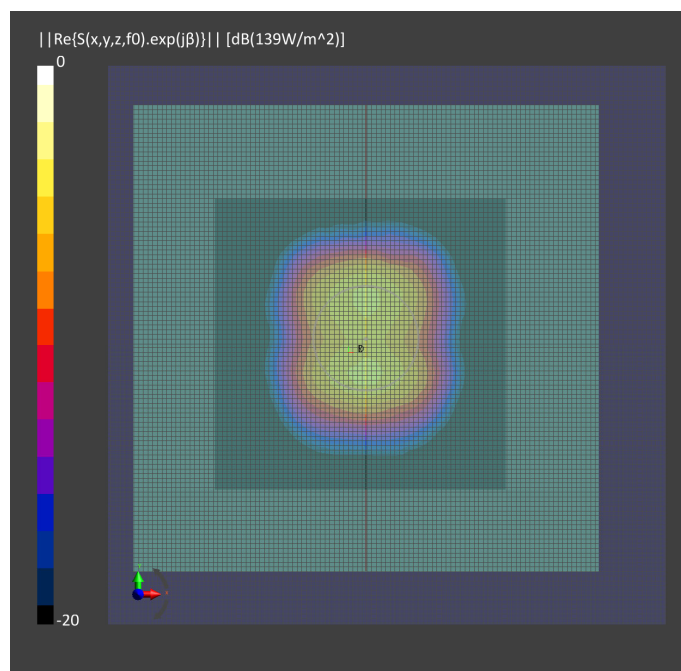
	5G Scan
Date	2021-07-08, 09:33
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	36.4
pS _n avg [W/m ²]	36.0
E _{peak} [V/m]	139
Power Drift [dB]	0.08

Warning(s) / Error(s)

Details	5G Scan
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Warning(s)

Error(s)



C.9 20210709_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn1372, 2020-08-12

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

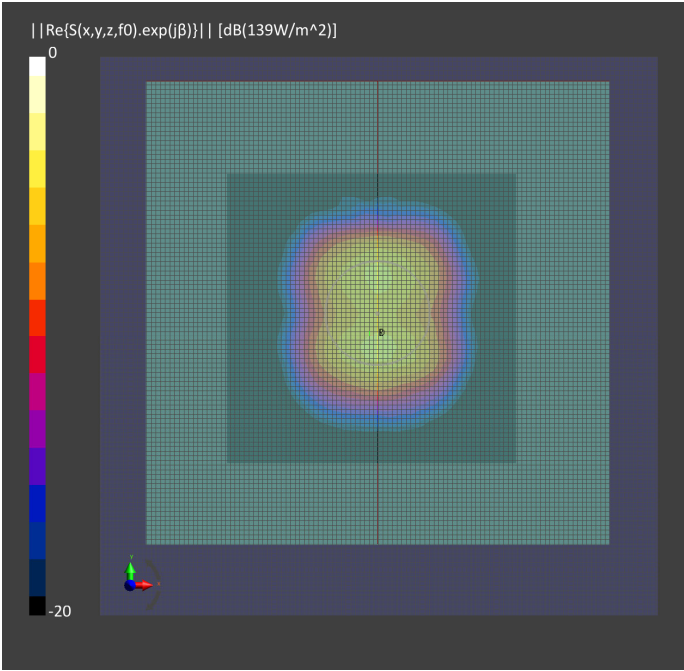
Measurement Results

	5G Scan
Date	2021-07-09, 08:57
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	36.6
pS _n avg [W/m²]	36.2
E _{peak} [V/m]	139
Power Drift [dB]	0.02

Warning(s) / Error(s)

Details	5G Scan
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Warning(s)
Error(s)



C.10 20210713_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn1372, 2020-08-12

Scan Setup

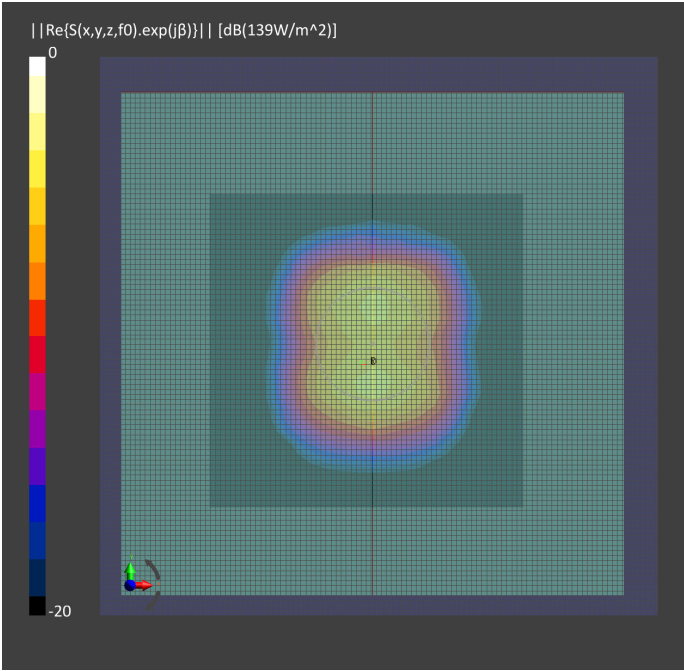
	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-07-13, 08:27
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	36.4
pS _n avg [W/m²]	35.9
E _{peak} [V/m]	139
Power Drift [dB]	0.03

Warning(s) / Error(s)

Details	5G Scan
Warning(s)	
Error(s)	



C.11 20210714_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn1372, 2020-08-12

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

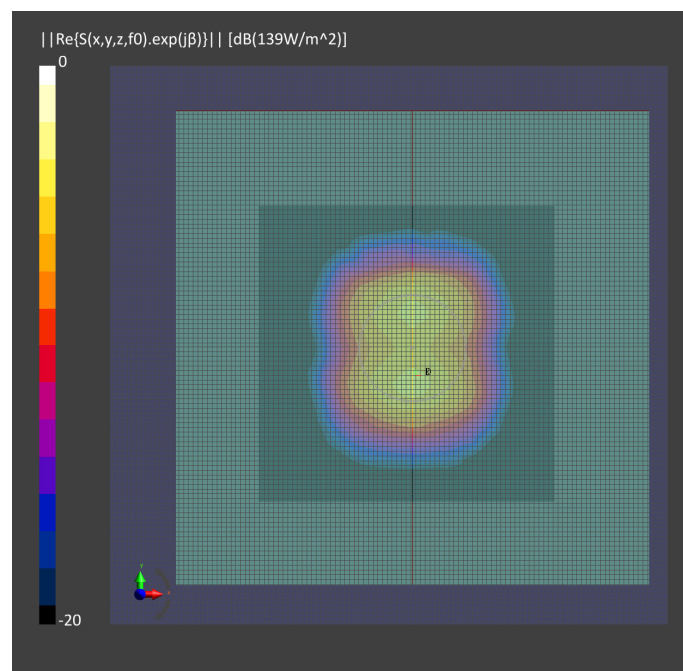
	5G Scan
Date	2021-07-14, 07:59
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	36.4
pS _n avg [W/m ²]	35.9
E _{peak} [V/m]	139
Power Drift [dB]	-0.12

Warning(s) / Error(s)

Details	5G Scan
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Warning(s)

Error(s)



C.12 20210716_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn1372, 2020-08-12

Scan Setup

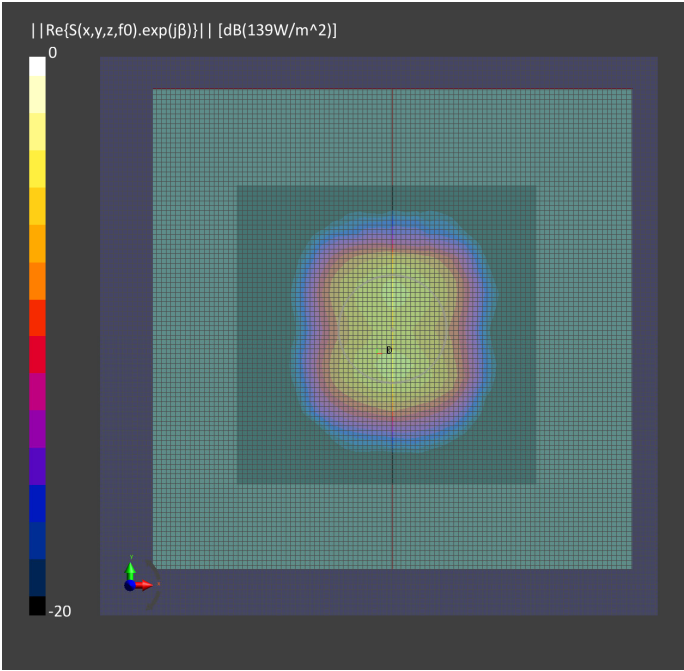
	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-07-16, 07:42
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	36.4
pS _n avg [W/m²]	35.9
E _{peak} [V/m]	139
Power Drift [dB]	0.13

Warning(s) / Error(s)

Details	5G Scan
Warning(s)	
Error(s)	



C.13 20210719_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn1372, 2020-08-12

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

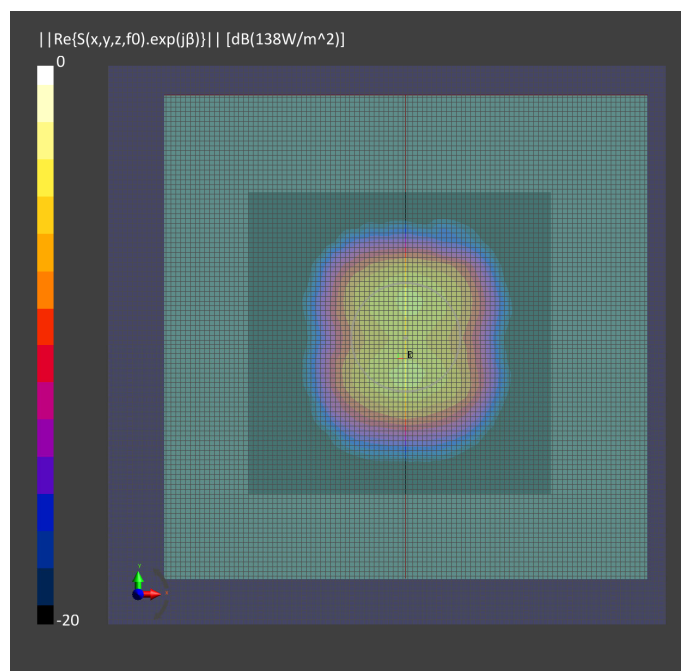
	5G Scan
Date	2021-07-19, 09:02
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	36.0
pS _n avg [W/m ²]	35.6
E _{peak} [V/m]	138
Power Drift [dB]	-0.12

Warning(s) / Error(s)

Details	5G Scan
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Warning(s)

Error(s)



C.14 20210720_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn1372, 2020-08-12

Scan Setup

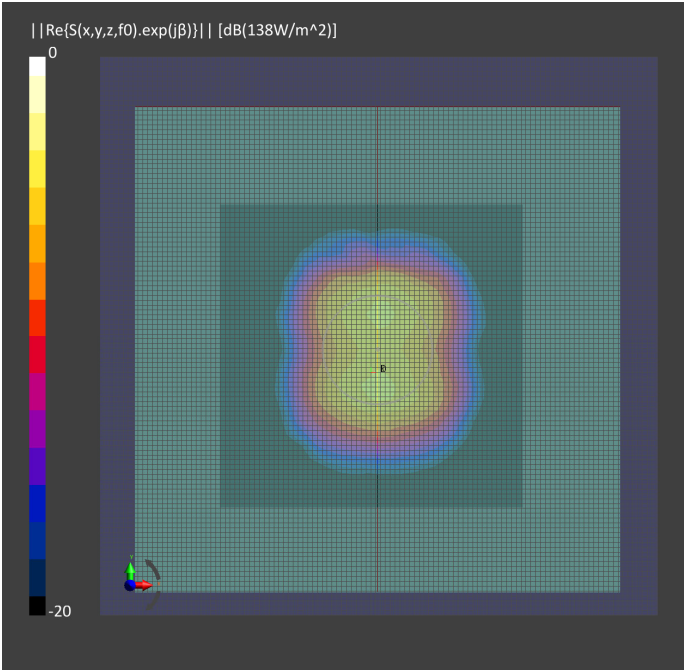
	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-07-20, 07:27
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	35.9
pS _n avg [W/m²]	35.4
E _{peak} [V/m]	138
Power Drift [dB]	0.01

Warning(s) / Error(s)

Details	5G Scan
Warning(s)	
Error(s)	



C.15 20210721_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn1372, 2020-08-12

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

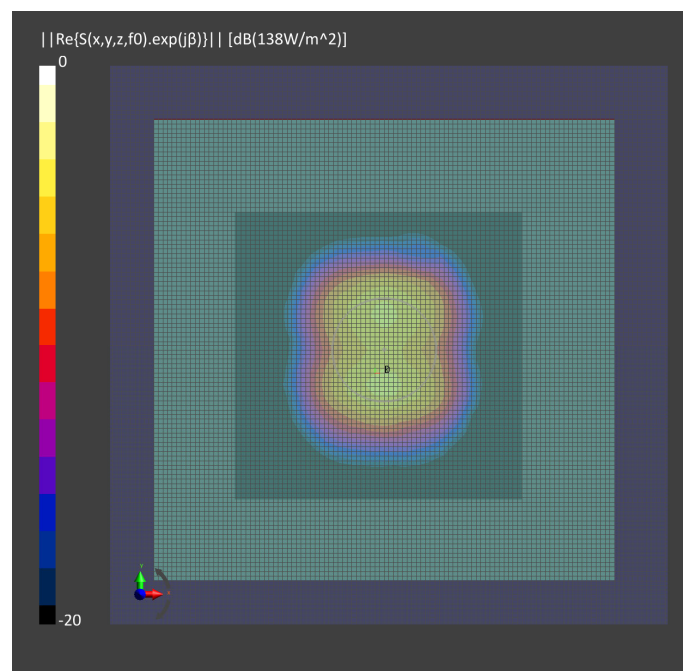
	5G Scan
Date	2021-07-21, 08:23
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	36.0
pS _n avg [W/m ²]	35.5
E _{peak} [V/m]	138
Power Drift [dB]	-0.06

Warning(s) / Error(s)

Details	5G Scan
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Warning(s)

Error(s)



C.16 20210722_SAR2_30000 MHz System Check

Measurement Report for Device, FRONT, Validation band, UID 0 -, Channel 30000 (30000.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, Device	100.0 x 100.0 x 100.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 5.55	Validation band	CW, 0--	30000.0, 30000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1038	--Air-	EUmmWV4 - SN9450_F1-78GHz, 2020-10-21	DAE4 Sn1372, 2020-08-12

Scan Setup

	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results

	5G Scan
Date	2021-07-22, 08:39
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	36.3
pS _n avg [W/m ²]	35.9
E _{peak} [V/m]	140
Power Drift [dB]	-0.07

Warning(s) / Error(s)

Details	5G Scan
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Warning(s)

Error(s)

