

Appendix A. SAR Plots of System Verification

The plots for system verification are shown as follows.

System Check_H6500_210413

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Dipole	50.0 x 10.0 x 8.0		6500

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL				6500.0	5.65	6.11	34.4

Hardware Setup

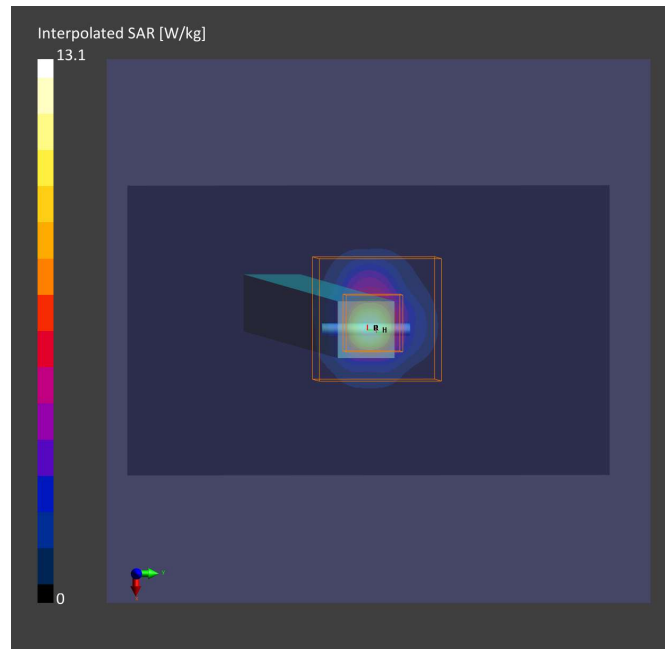
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1987	HBBL-600-10000 , 2021-Apr-13	EX3DV4 - SN7555, 2020-09-28	DAE4 Sn1589, 2020-09-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-04-13	2021-04-13
psSAR1g [W/Kg]	24.4	30.2
psSAR10g [W/Kg]	5.12	5.55
Power Drift [dB]	-0.03	-0.05
M2/M1 [%]		50.6
Dist 3dB Peak [mm]		4.3



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

PD_System Check_10 GHz_2021.04.13

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPEAG, 5G Verification Source 10 GHz	100.0 x 100.0 x 172.0	SN: 1025	-

Exposure Conditions

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

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	--Air-	EUmmWV3 - SN9361_F1-78GHz, 2020-09-24	DAE4 Sn1589, 2020-09-15

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

	5G Scan
Date	2021-04-13
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	41.3
psPDtot+ [W/m ²]	41.4
psPDmod+ [W/m ²]	41.7
E _{max} [V/m]	131
Power Drift [dB]	0.02

