

## **Appendix L-1 WIFI6E Test Plots of System Verification**

The plots for system verification with largest deviation for each WIFI6E system combination are shown as follows.

## Measurement Report for Device

### System Check\_H6.5GHz\_210202

#### Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Speag 6.5GHz System Valisation Kit	50.0 x 10.0 x 8.0	SN:1008	6.5GHzV2 Valisation Kit

#### 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,	-	-	UID 0	6500.0,	5.65	6.11	34.4

#### Hardware Setup

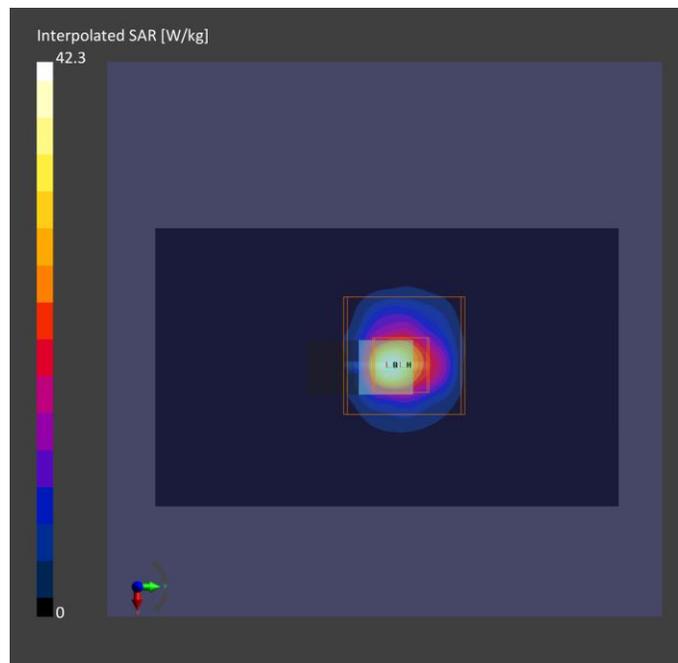
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1988	H50T72N1 , 2021-Feb-02	EX3DV4 - SN3650, 2020-03-25	DAE4 Sn861, 2020-05-27

#### 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	2021-02-02	2021-02-02
psSAR1g [W/Kg]	24.2	30.8
psSAR10g [W/Kg]	5.08	5.69
Power Drift [dB]	0.02	0.03
M2/M1 [%]		52.0
Dist 3dB Peak [mm]		4.8



## Measurement Report for Device

### System Check\_H6.5GHz\_210319

#### Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Speag 6.5GHz System Valisation Kit	50.0 x 10.0 x 8.0	SN:1008	6.5GHzV2 Valisation Kit

#### 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,	-	-	UID 0	6500.0,	5.65	6.19	33.7

#### Hardware Setup

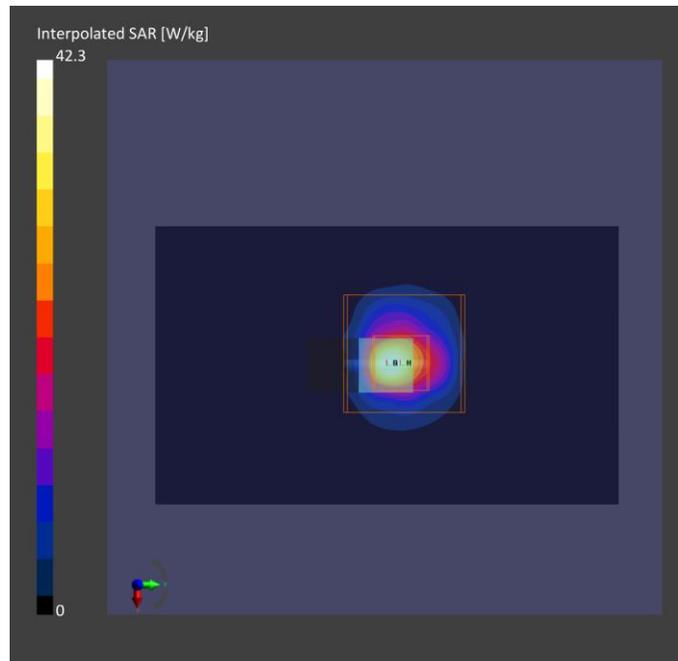
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1982	H50T72N1 , 2021-Mar-19	EX3DV4 - SN7472, 2020-08-24	DAE4 Sn1585, 2020-05-28

#### 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	2021-02-01	2021-03-19
psSAR1g [W/Kg]	23.6	30.5
psSAR10g [W/Kg]	5.07	5.55
Power Drift [dB]	0.02	0.03
M2/M1 [%]		52.0
Dist 3dB Peak [mm]		4.8



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

### PD\_System Check\_10 GHz\_2021.06.02

#### 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 Sn861, 2020-05-27

#### 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	2021-06-02, 15:33
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	41.3
psPDtot+ [W/m <sup>2</sup> ]	41.4
psPDmod+ [W/m <sup>2</sup> ]	41.7
E <sub>max</sub> [V/m]	131
Power Drift [dB]	0.02

