

Annex A. Plots of System Verification

The plots for system verification with largest deviation for each frequency band are shown as follows.

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

Power Density Plot No.:

PD_System Check_30 GHz_2021.08.27

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
SPEAG	100.0 x 100.0 x 100.0	SN: 1054	Phone

Exposure Conditions

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

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave	Air---	EUmmWV4 - SN9438_F1-78GHz, 2021-07-26	DAE4 Sn915, 2021-06-02

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

Measurement Results

	5G Scan
Date	2021-08-27
Avg. Area [cm ²]	4.00
pStotavg[W/m ²]	19.8
pSnavg [W/m ²]	19.7
E _{peak} [V/m]	98.8
Power Drift [dB]	-0.12

