

Appendix A

Detailed System Check Results

1. System Performance Check

System Performance Check **10** GHz

Test Laboratory:SGS–SAR Lab

System Performance Check 10GHz Power Density

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
10G Source,	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	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

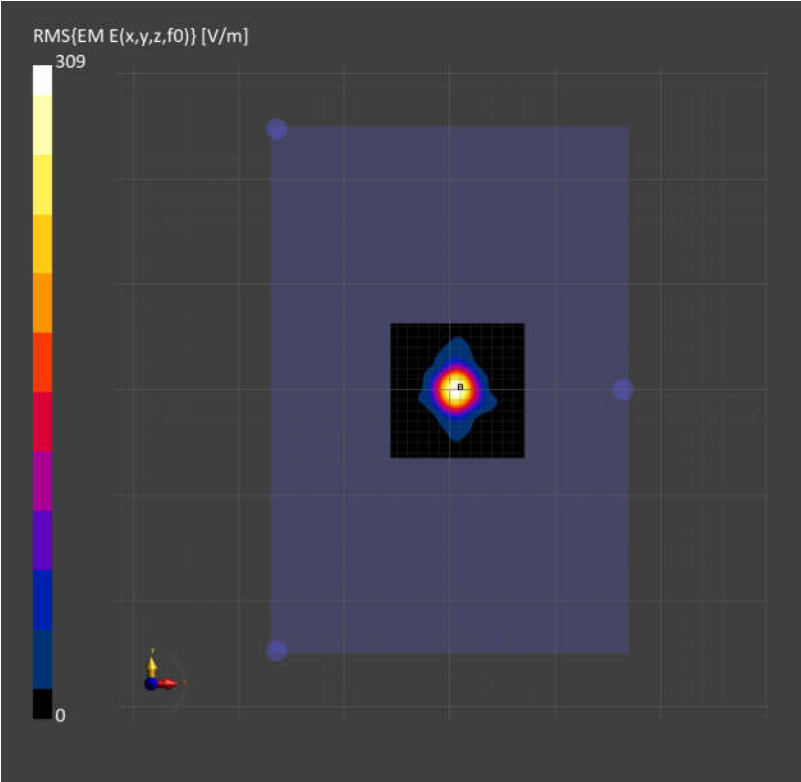
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1777	Air –	EUmmWV4 – SN9533_F1–55GHz, 2024–08–23	DAE4 Sn1740, 2025–02–17

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2025–05–22
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	184
psPDtot+ [W/m²]	189
psPDmod+ [W/m²]	197
E _{max} [V/m]	309
Power Drift [dB]	–0.11



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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