

Appendix A

Detailed System Check Results

1. System Performance Check

System Performance Check 10 GHz

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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 [λ]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2025-03-27
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	168
psPDtot+ [W/m ²]	171
psPDmod+ [W/m ²]	209
E _{max} [V/m]	283
Power Drift [dB]	0.01

