

# Appendix A

## Detailed System Check Results

### 1. System Performance Check

#### System Performance Check 10 GHz

- End of the Appendix -



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

**Measurement Results**

Scan Type	5G Scan
Date	2025-03-21
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	196
psPDtot+ [W/m <sup>2</sup> ]	203
psPDmod+ [W/m <sup>2</sup> ]	212
E <sub>max</sub> [V/m]	308
Power Drift [dB]	-0.13

