

# Appendix A

## Detailed System Check Results

1. System Performance Check
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System Performance Check 10GHz Head
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System Performance Check 10GHz Power Density

Device Under Test Properties

Model	Dimensions [mm]	SN	DUT Type
10G Source	100.0 x 100.0 x 100.0	2004	Source

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, 2023-08-18	DAE4 Sn896, 2024-03-18

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	2024-08-03
Avg. Area [cm <sup>2</sup> ]	4.00
psPDn+ [W/m <sup>2</sup> ]	185
psPDtot+ [W/m <sup>2</sup> ]	186
psPDmod+ [W/m <sup>2</sup> ]	190
E <sub>max</sub> [V/m]	305
Power Drift [dB]	0.07

