

Antenna Test Report

Test Date: September 3rd 2025

Report Issue date: September 5th 2025

Report made for: Cradlepoint, Inc.

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This report should not be used by the client to claim product certification, approval, or endorsement by TAF, CTIA or any government agencies.



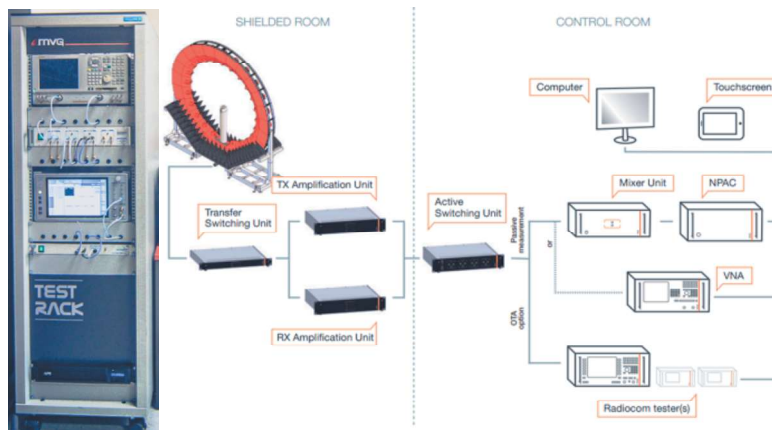
Equipment Used

IMPEDANCE TESTING

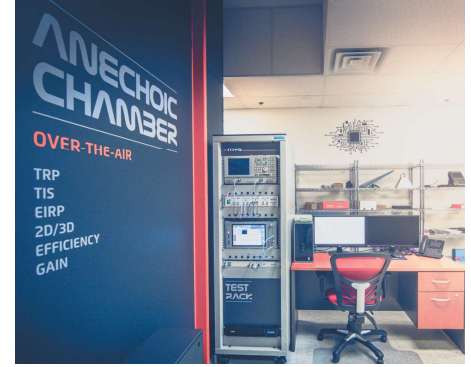
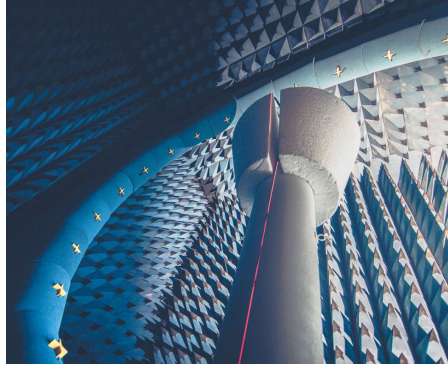
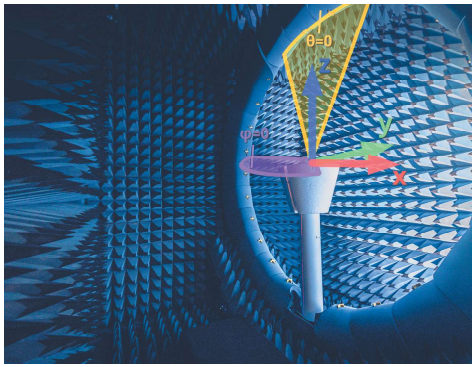
Keysight P9372A-ATO-1852 (300 kHz to 9 GHz, 2-port)



OTA TESTING



Chamber equipment Rig Diagram



All tests using this arrangement were performed in free space Calibrated 3D Anechoic Chamber Satimo StarGate 24 (SG 24 – S (Standard): 400MHz to 6GHz) and a Network Analyzer E8357A Agilent Technologies. For all measurements, the relevant sleeve choke was used to reduce the effect of the cable radiation.

 Star Gate 24									
System specifications*									
	COMPACT			STANDARD			LARGE		
Measurement time for 11 frequencies**	~ 1 min			~ 1 min			~ 1 min		
Typical dynamic range 0.4 GHz - 6 GHz	70 dB			70 dB			70 dB		
Typical dynamic range 6 GHz -10 GHz	50 dB			50 dB			50 dB		
	10 dBi AUT	20 dBi AUT	30 dBi AUT	10 dBi AUT	20 dBi AUT	30 dBi AUT	10 dBi AUT	20 dBi AUT	30 dBi AUT
PEAK GAIN ACCURACY									
0.4 GHz - 0.8 GHz	-	-	-	± 1.1 dB	± 1.0 dB	-	± 1.0 dB	± 0.9 dB	-
0.8 GHz - 1 GHz	± 0.8 dB	± 0.7 dB	-	± 0.6 dB	± 0.6 dB	-	± 0.6 dB	± 0.6 dB	± 0.5 dB
1 GHz - 6 GHz	± 0.8 dB	± 0.7 dB	± 0.6 dB	± 0.6 dB	± 0.6 dB	± 0.5 dB	± 0.6 dB	± 0.6 dB	± 0.5 dB
6 GHz - 10 GHz	± 0.8 dB	± 0.7 dB	± 0.6 dB	± 0.6 dB	± 0.6 dB	± 0.5 dB	± 0.6 dB	± 0.6 dB	± 0.5 dB
Peak gain repeatability	± 0.3 dB	± 0.3 dB	± 0.3 dB	± 0.3 dB	± 0.3 dB	± 0.3 dB	± 0.3 dB	± 0.3 dB	± 0.3 dB