



We Connect • We Protect
Antenna Test Report

Customer

亞元

Project

ACA-3216



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Product / Antenna Overview

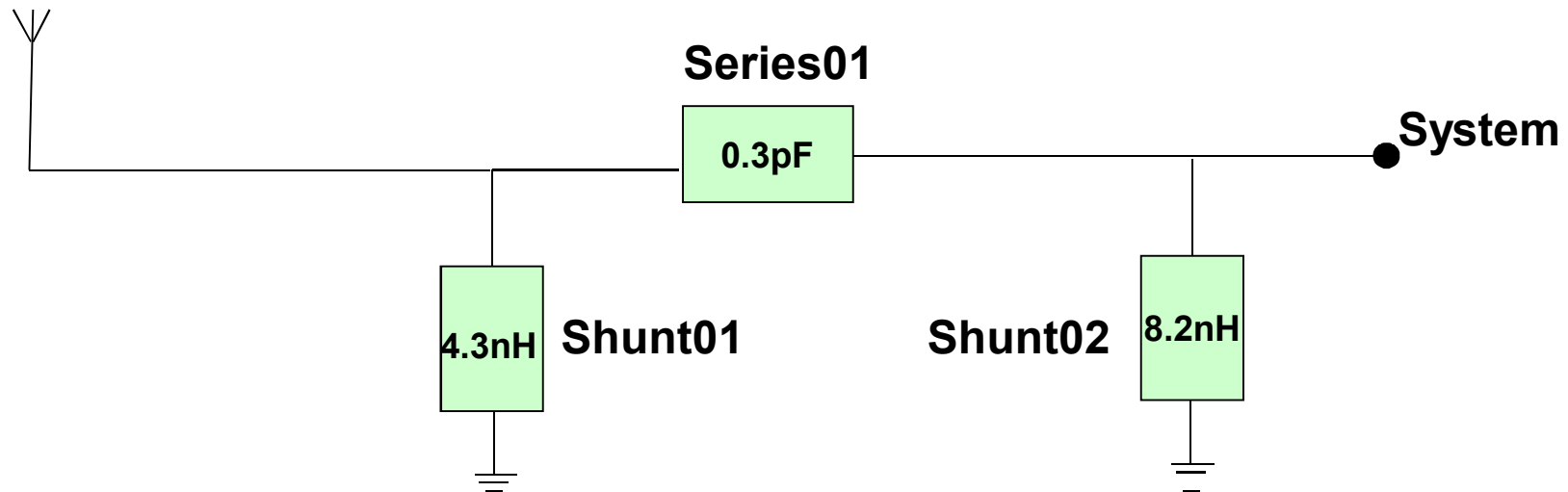


Application	Ant Type	Frequency (MHz)
WiFi	ACA-3216 Chip	2400~2500



Match circuit

Antenna



Location	Description	Vendor
Series01	0.3pF	Murata
Shunt01	4.3nH	Murata
Shunt02	8.2nH	Murata



Antenna VSWR





Chamber Information

ETS Ams-8600 12x3.05x3.05 m3 Tapered Chamber

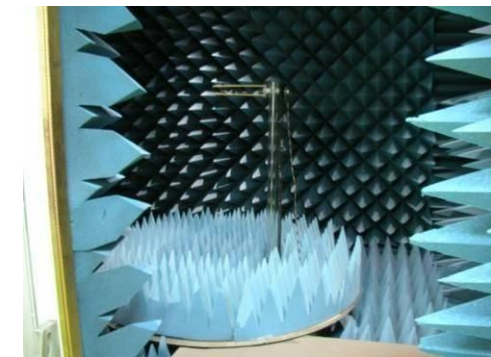
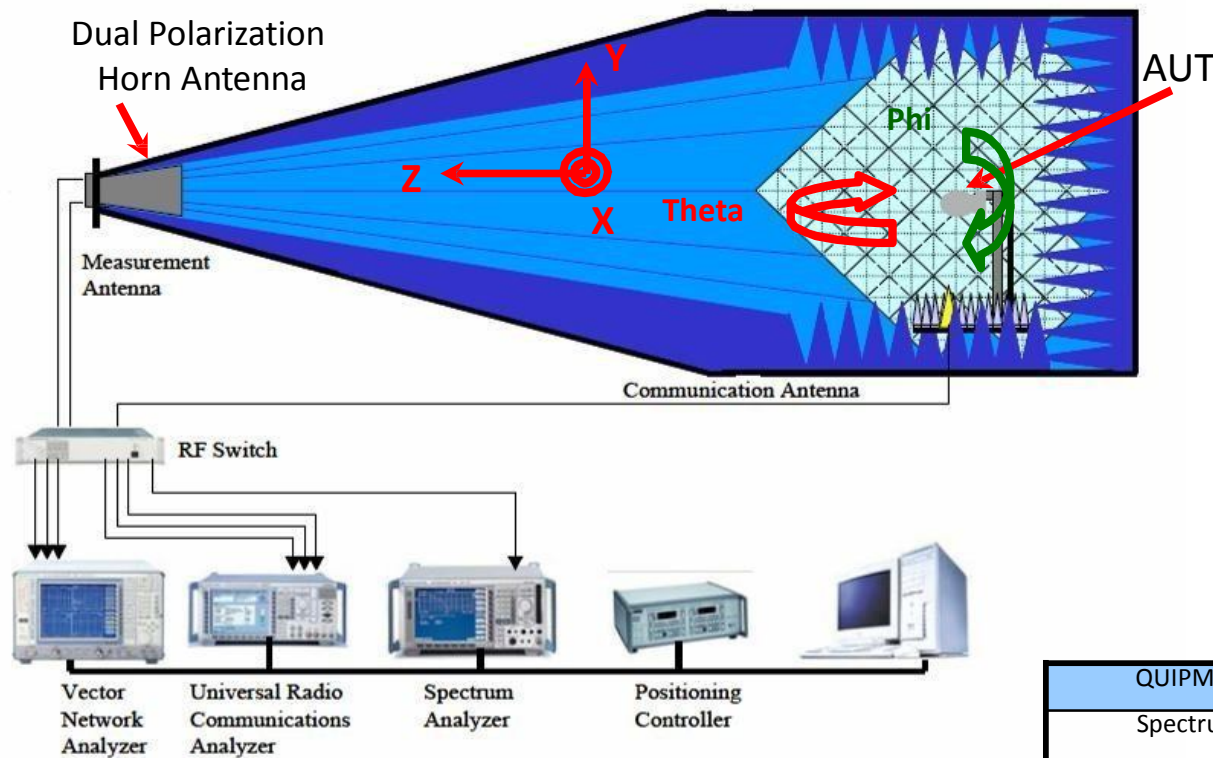


Figure 1: System diagram for test system including compact-size tapered anechoic chamber and optional test instrumentation



QUIPMENT	BRAND	MODULE TYPE
Spectrum	Agilent	E4402B
Signal Generator	Agilent	8960
Switch	Agilent	3499A
Switch	ETS	2090
Network Analyzer	Agilent	N5230A



Antenna Gain & Efficiency

Frequency (MHz)	Peak Gain (dBi)	Average Gain (dB)	Efficiency (%)
2400	-3.09	-7.19	19.09
2410	-2.82	-7.00	19.94
2420	-2.33	-6.84	20.70
2430	-2.06	-6.69	21.41
2440	-1.68	-6.50	22.39
2450	-1.58	-6.35	23.18
2460	-1.55	-6.32	23.36
2470	-1.55	-6.31	23.38
2480	-1.74	-6.35	23.18
2490	-2.07	-6.42	22.79
2500	-2.31	-6.65	21.64



Antenna 3D Radiation Pattern

WiFi

2450MHz

Axis Definition

Front View

Back View

