

SPECIFICATION FOR APPROVAL

Applicant: Shenzhen Zhonghonghai Technology Co., Ltd.

Product: P13

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Product picture



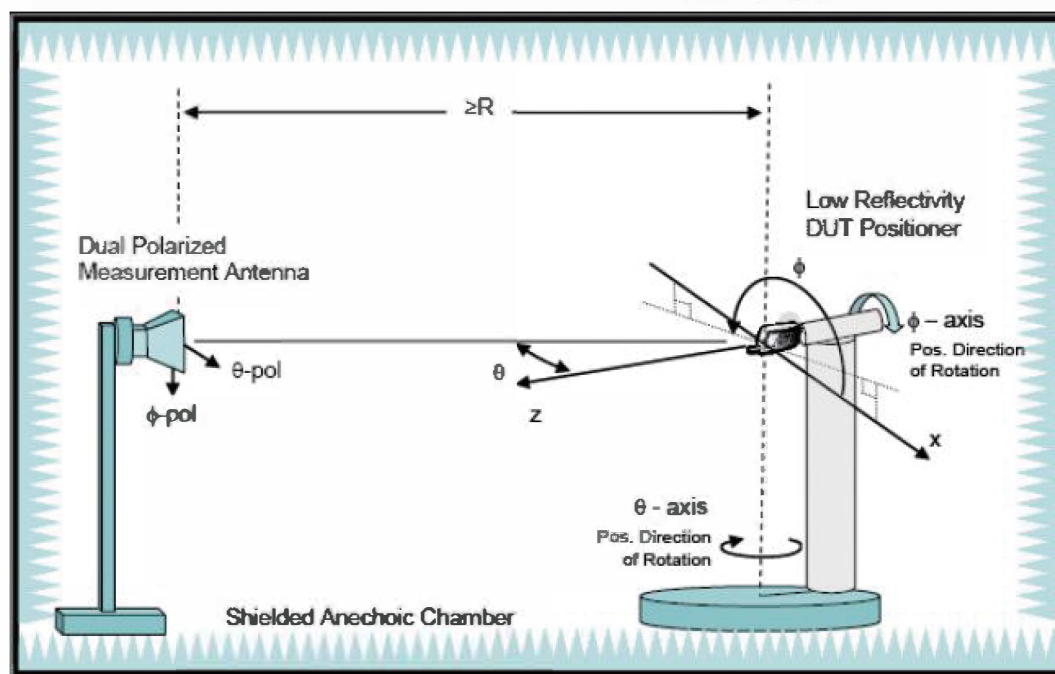
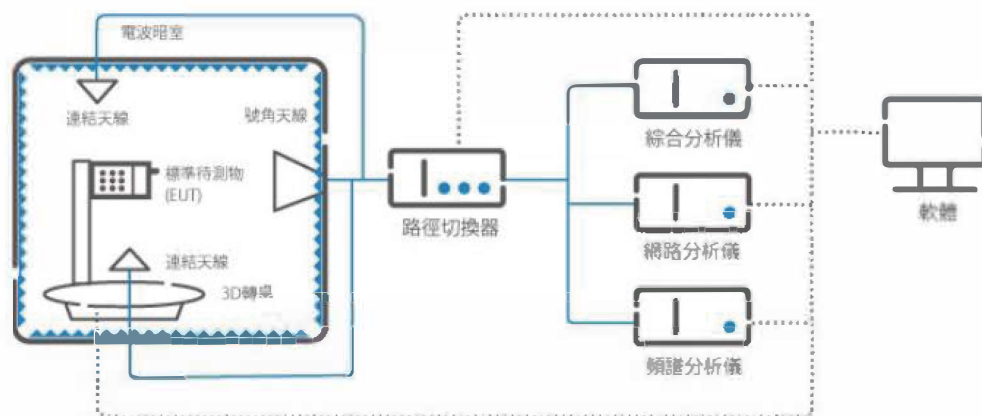
Specification

A. Electrical Properties	
Frequency Rang频段范围	2.4-2.5GHz&5.15-5.85GHz
Impedance特性阻抗	50 Ω Nominal
VSWR电压驻波比	2.0Max. (带机壳)
Gain(peak)增益 (峰值)	2.06dBi
Efficiency效率	>40%
Out of roundness不圆度	3.0 dBi (Max.)
Radiation辐射方式	Omni-Directional/全向
Polarization极化方式	Linear Vertical/垂直
B. Physical Properties	
Connector Type连接方式	Rowseat
Cable线材	
Antenna Radiator天线振子体	Line
C. Environmental	
Storage Temp存储环境范围	-10℃~+60℃
Operating Temp工作环境	-40℃~+65℃
Storage humidity存储湿度	95%
Working humidity工作湿度	5%~95%

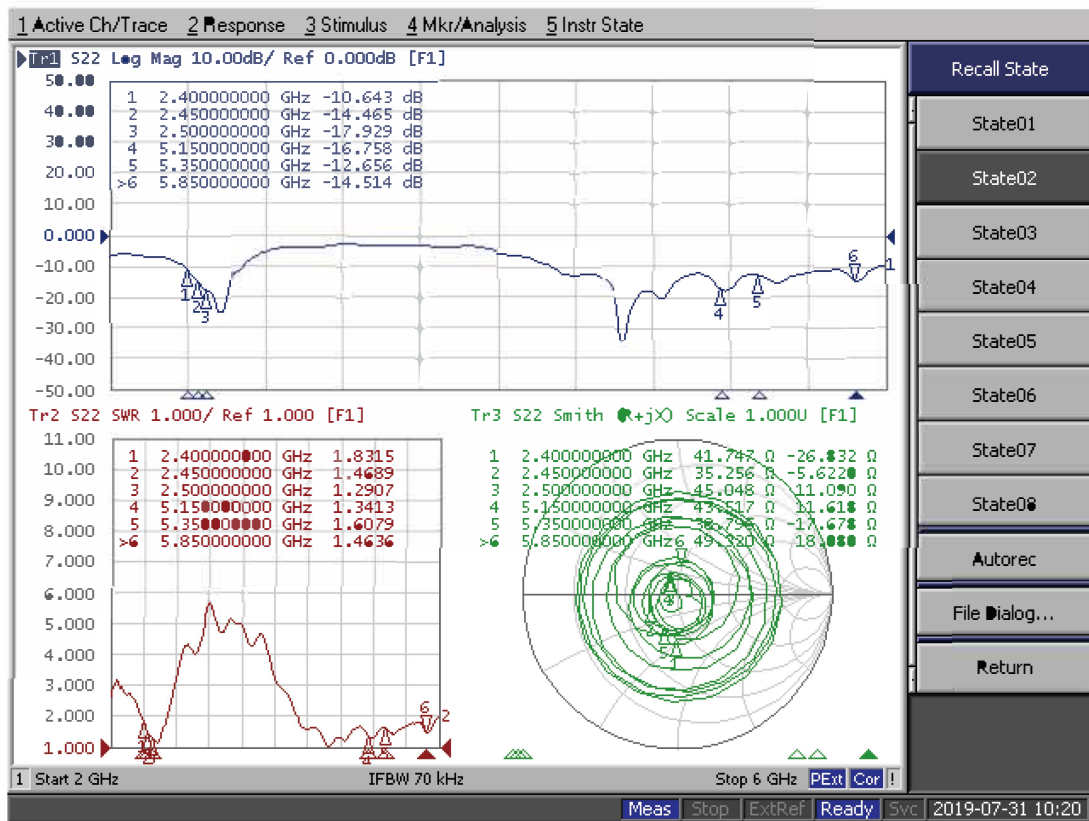
Electrical Test Report

Test equipment

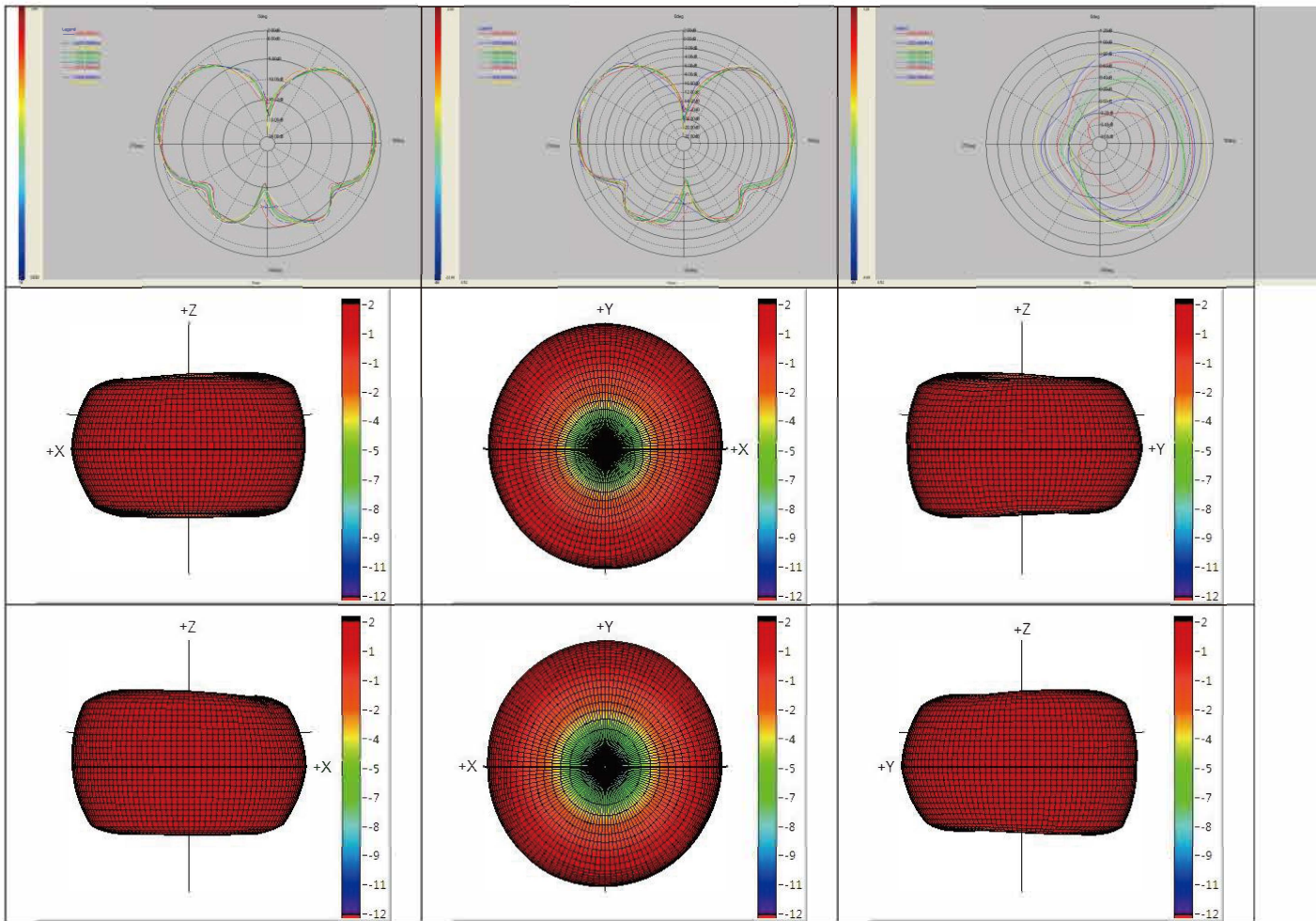
OTA 系統架構圖



Network analyzer test report



2D、3DRaditation Pattern



Dark room passive test data

频率(Mhz)	2400	2410	2420	2430	2440	2450	2460	2470	2480
效率 (%)	70.54	75.31	74.92	72.6	68.52	67.09	67.62	64.99	59.18
增益 (dBi)	1.78	1.93	2.06	1.93	1.64	1.28	1.12	0.83	0.32

频率(Mhz)	5100	5200	5300	5400	5500	5600	5700	5800	5900	
效率 (%)	43.57	40.18	46.56	48.55	49.81	46.99	43.95	41.88	36.64	
增益 (dBi)	0.94	2.49	3.19	1.34	2.55	4.27	2.57	1.6	2.63	