



Dongguan Tianji Industrial Co., LTD

Acknowledgement

Customer name: SHENZHEN ECARE ELECTRONICS CO., LTD

Product name: built-in antenna

Specification and model: 2.4 G/5.8G 3dBi RF1.13
Black wire L=90mm+IPEX

Customer material number: C.1 .2 6 0 2 3 5 0

Our Material No.: T J 0 6 8-N 0 5 0 0 0 6 - 0 1

Address: No.12, Zhuangyuan Bi Street, Mengang Village,
Dalingshan Town, Dongguan City

Sample delivery date: February 19, 2023

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Email:tianji@dgtianji.com.cn

	MANUFACTURE SIGNATURE	CUSTOMER SIGNATURE
CHECKED BAY:	Wu Juan	
AUDITOR BAY:	/	
APPROVED BAY	JBM	
DATE:	2023-11-15	



I. Specification Table:

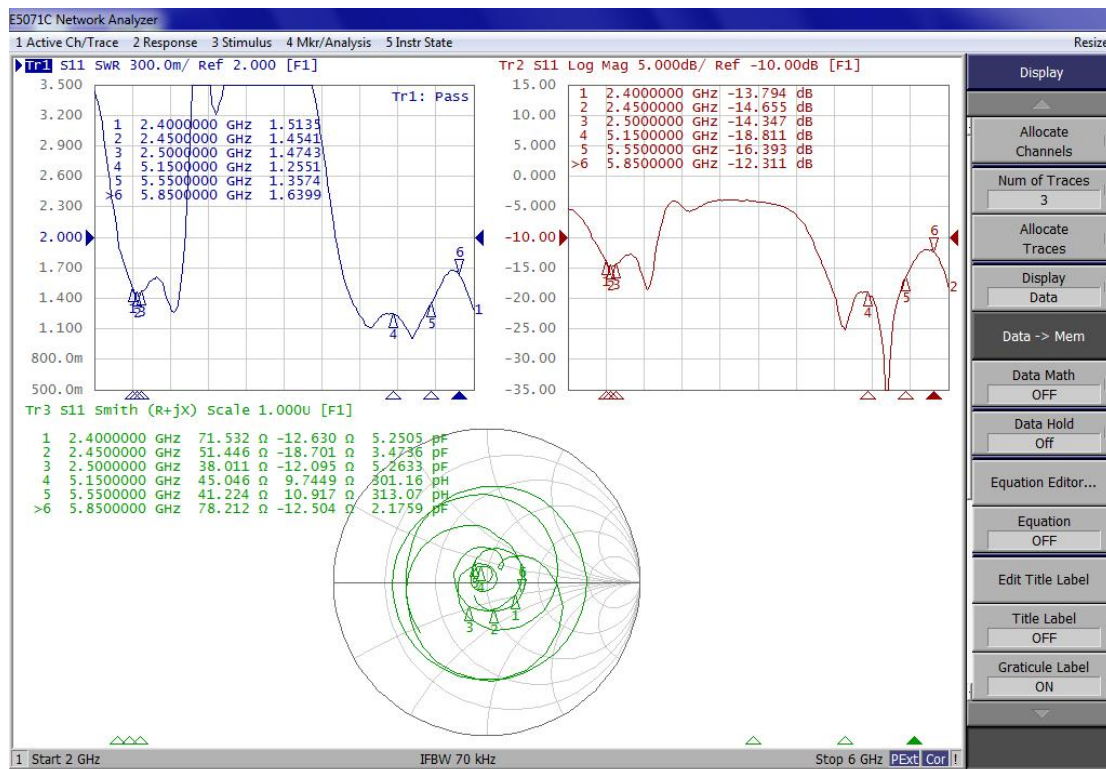
Main technical specifications	
Frequency Range (MHz)	2400-2500MHz 5150-5850MHz
Impedance(Ω)	50 $\pm$ 5
Peak Gain(dBi)	3 dBi
VSWR	Max 2.0
Admitted Power	2W
Polarization	Linear Vertical
Radiation	Omni-directional
Connector Type	IPEX
Physical Properties	
Antenna cable	1.13 Black Cable
Operating Temp	-40℃~+70℃
Storage Temp	-40℃~+70℃

三、Product Characteristics

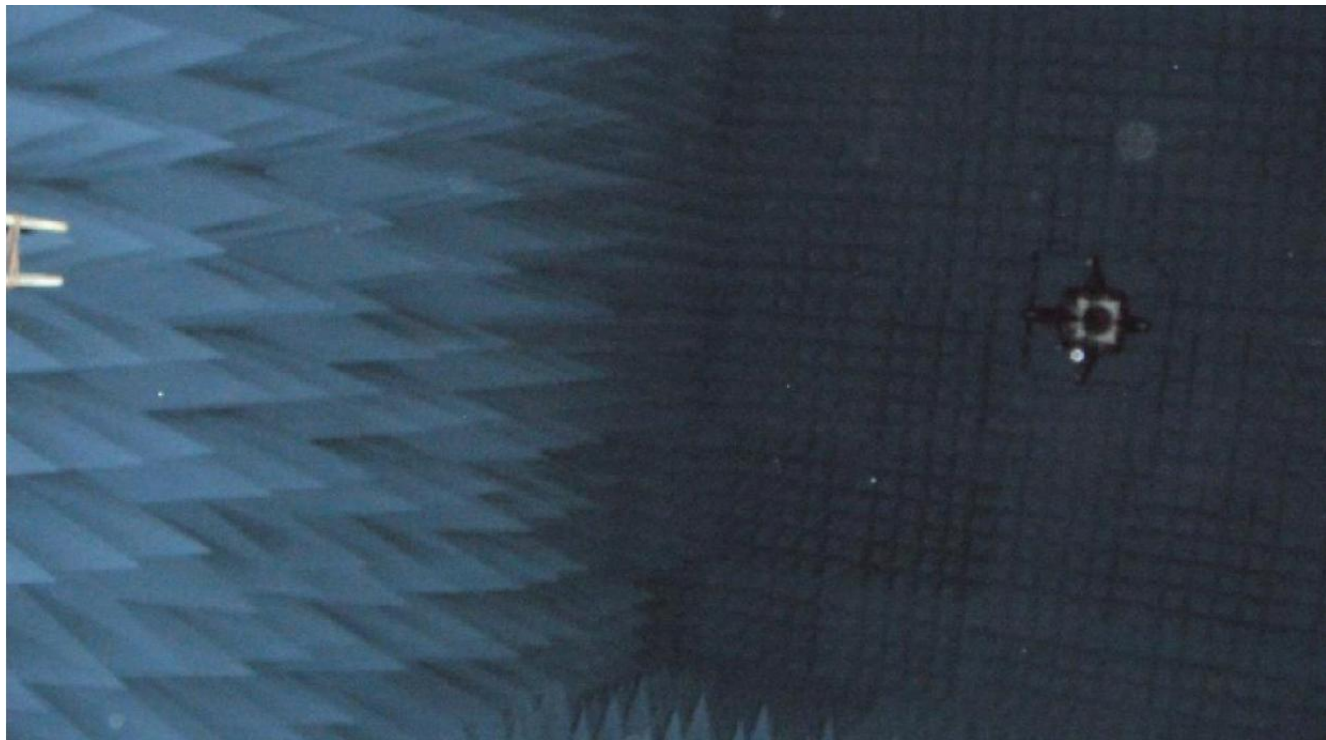
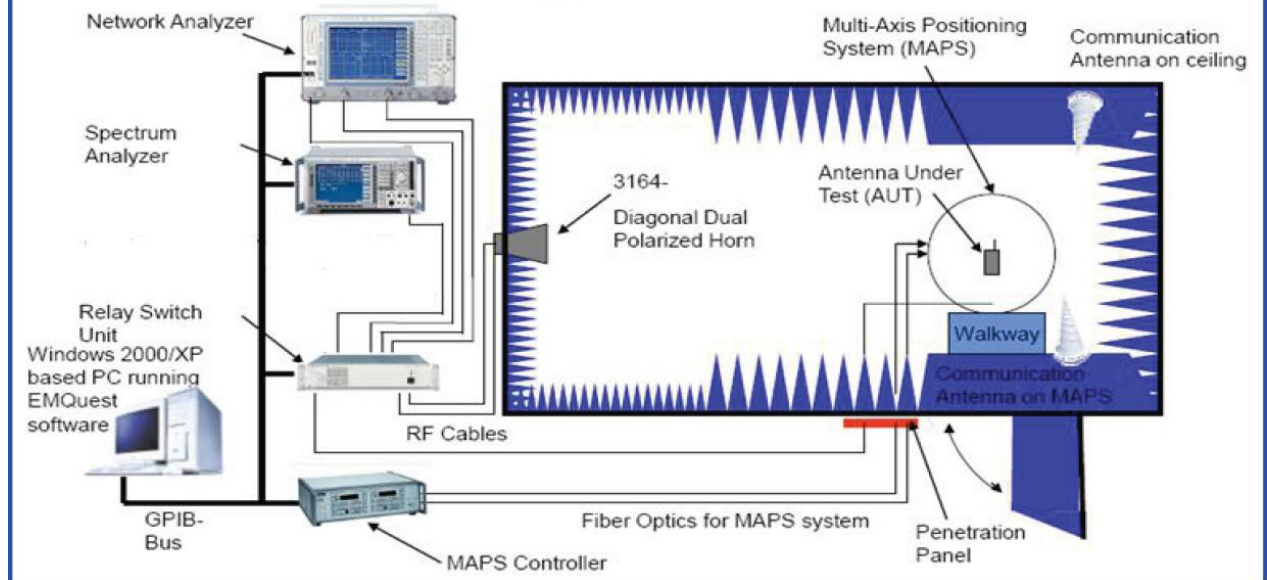
Agilent E5071C Network Analyzer

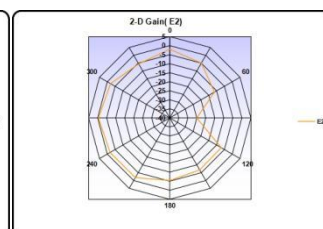


2.4/5.8GHz VSWR Return Loss

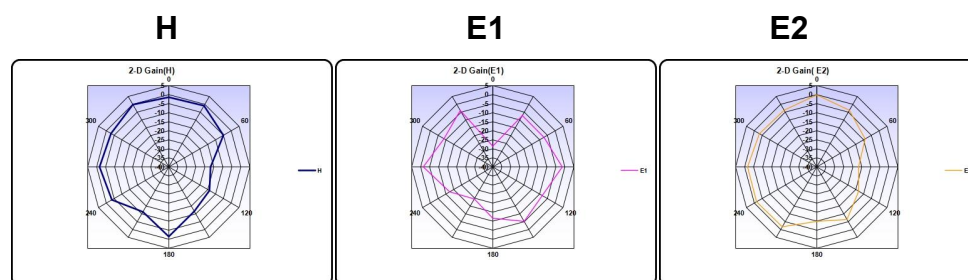


System





5.85GHz



Summary VSWR

	Antenna 1
2400MHz	1.51
2450MHz	1.45
2500MHz	1.47
5150MHz	1.25
5550MHz	1.35
5850MHz	1.63

3D Peak Gain & Efficiency

Frequency	Antel 2.4/5.8GHz	
	Peak Gain (dBi)	Efficiency (%)
2400	3.00	65.38
2450	2.78	63.26
2500	2.93	66.55
5150	2.65	63.48
5550	3.00	65.46
5850	2.69	62.35