

Dongguan Lixinwei Electronics Co., Ltd

1st Floor, No. 79 Tonggu 3rd Street, Xiancun, Dalang Town, Dongguan City, Guangdong Province

Antenna Specification for Approval

Customer Name: Blue light electronics

customer address:

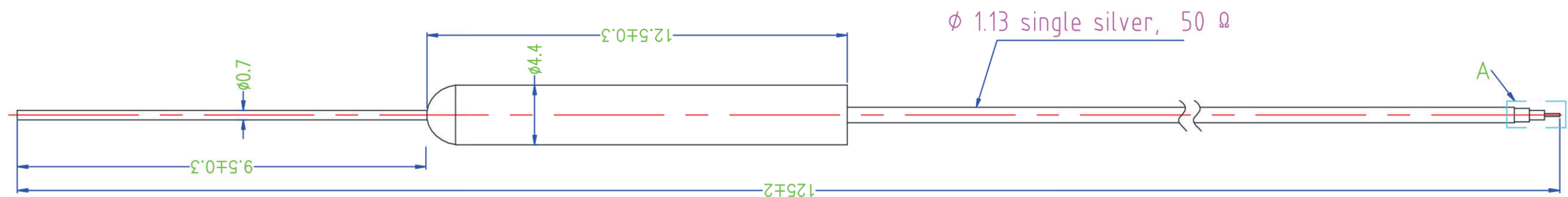
Product Name: 5.2G antenna

Part NO.: C113H-IPXBT4412-9.5-125R

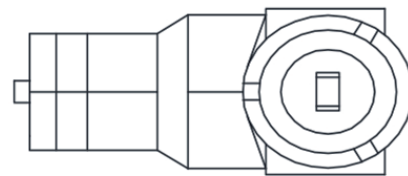
Write By: Zhou Min

Issued Date: 2025-3-17

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1 IP EX


$$\frac{A}{4:1}$$

Specifications:

1. Frequency range: 5.1GHz -5.9GHz;
2. Power gain:

TITLE: ??		5.8G antenna		MATERIAL: ??		FINISH: 表面处理	
PART/NO.: C113H-IPXBT44/12-9.5-125R				TOLERANCE ??			
UNIT IN mm		SCALE: ?? 2.5:1				LINEAR ?? <i>L < 30 ——— ±0.10</i> <i>30 < L < 100 ——— ±0.15</i> <i>L > 100 ——— ±0.20</i>	
						ANGULAR ?? <i>X.XX — ±0.1°</i> <i>X.X — ±0.2°</i>	
UNLESS OTHERWISE SPECIFIED							
DRAWING		DATE 24-8-19		CHECKING		DATE	
						REV 01	

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Product Specification

A. Electrical Characteristics

Frequency 5100MHz ~5900MHz

VSWR <2.0

Efficiency >63%

Impedance 50 Ohm

Polarization Line

Gain 2.69Dbi

Polarization mode: linear polarization

Antenna type: Copper tube antenna

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.13 black

Connector Type : IPEX1

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

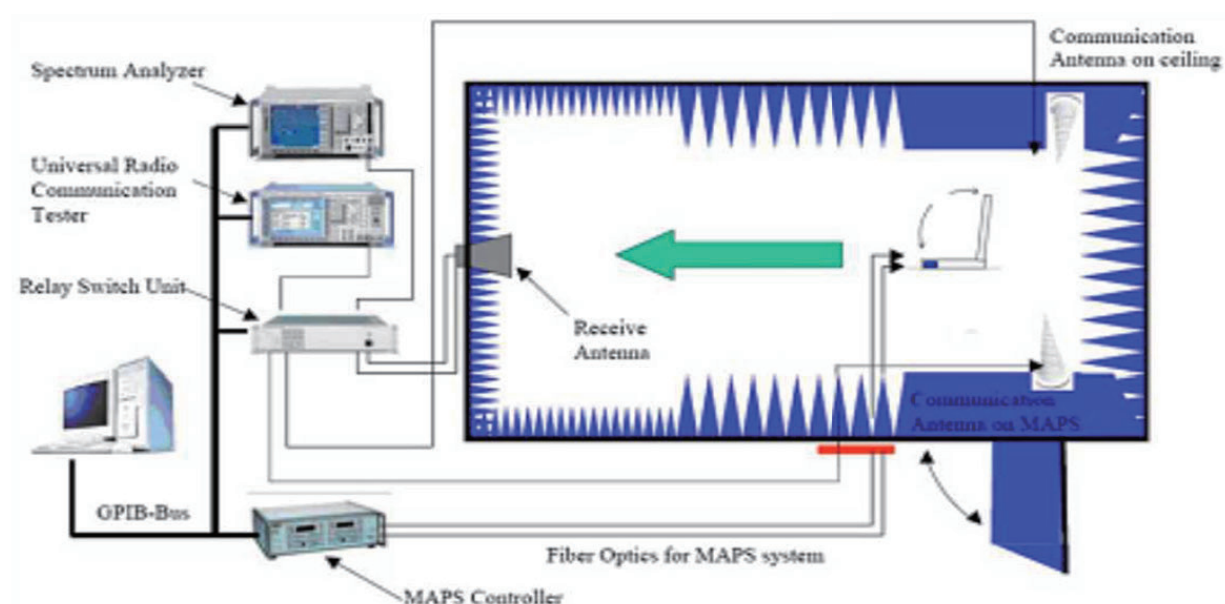
1. Network Analyzers :

Agilent 8753D 5071B

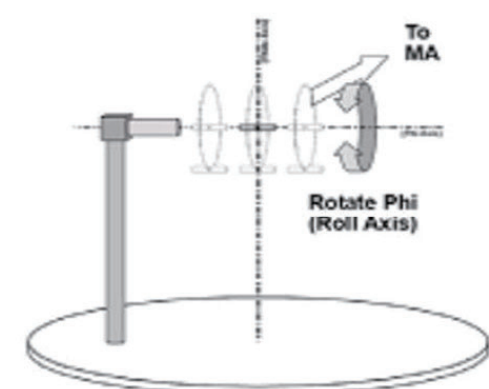
2. Communications Test Set:

Agilent E5515C

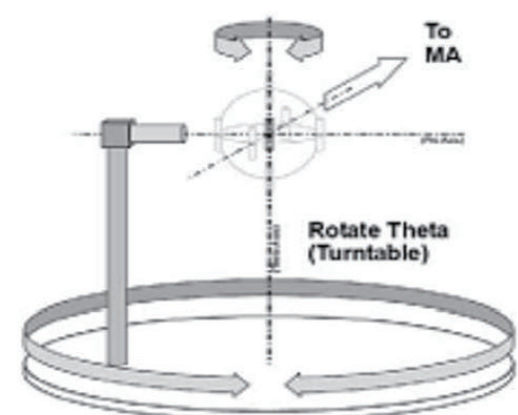
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)

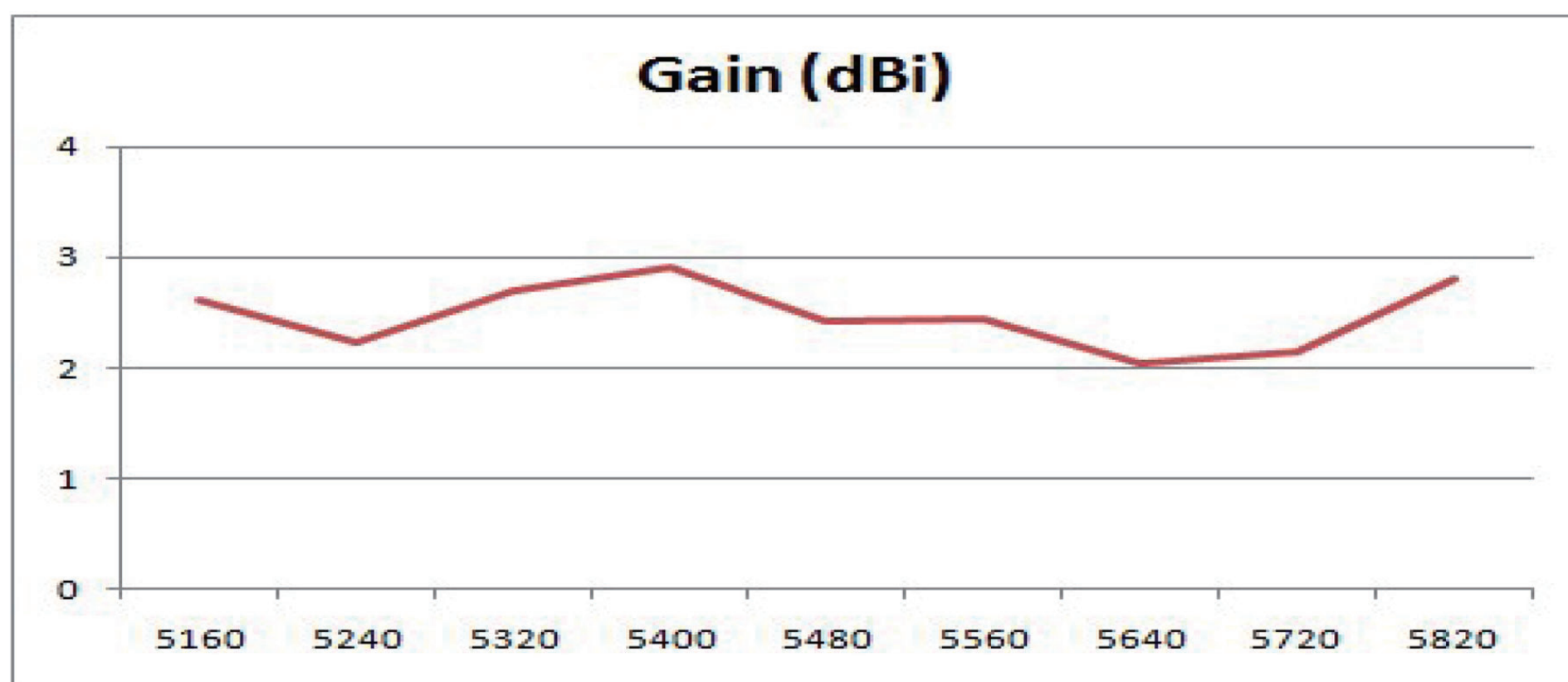
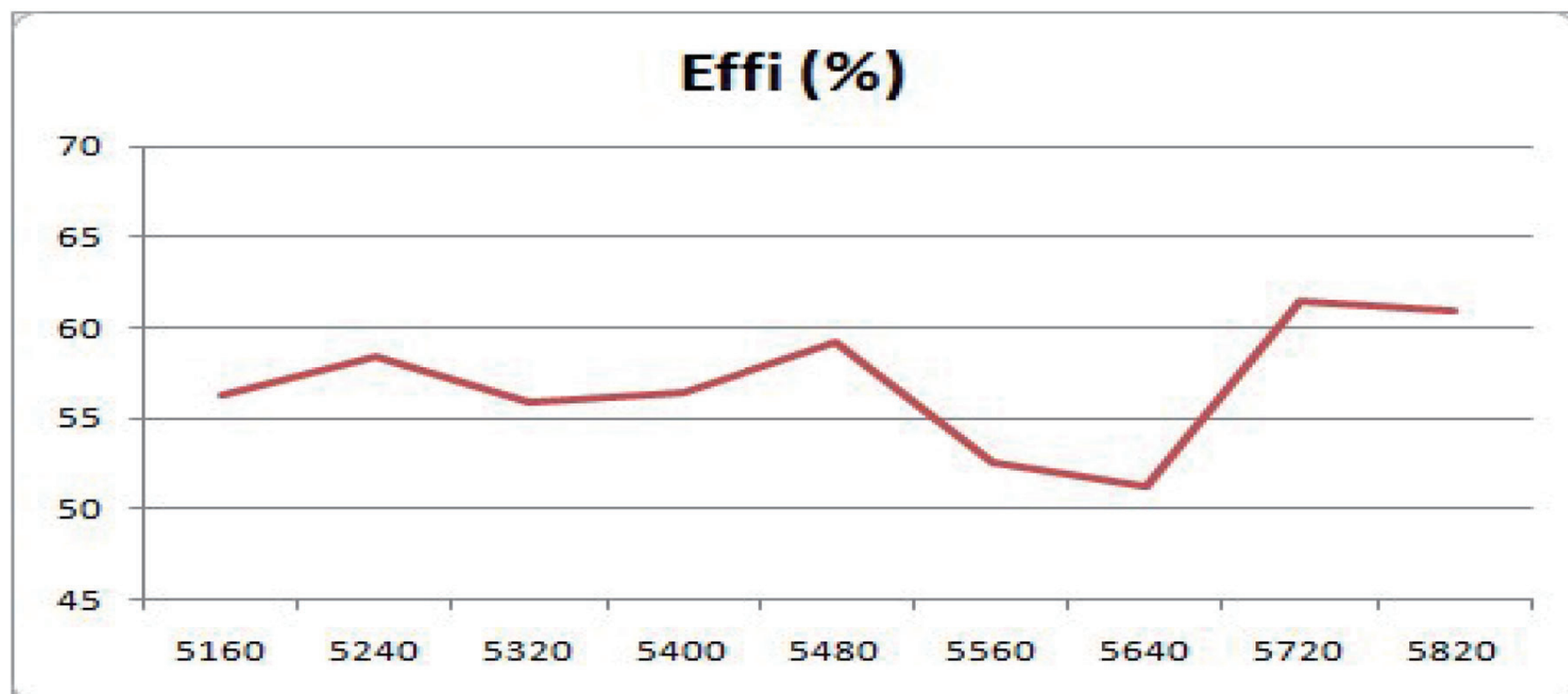


Phi axis test

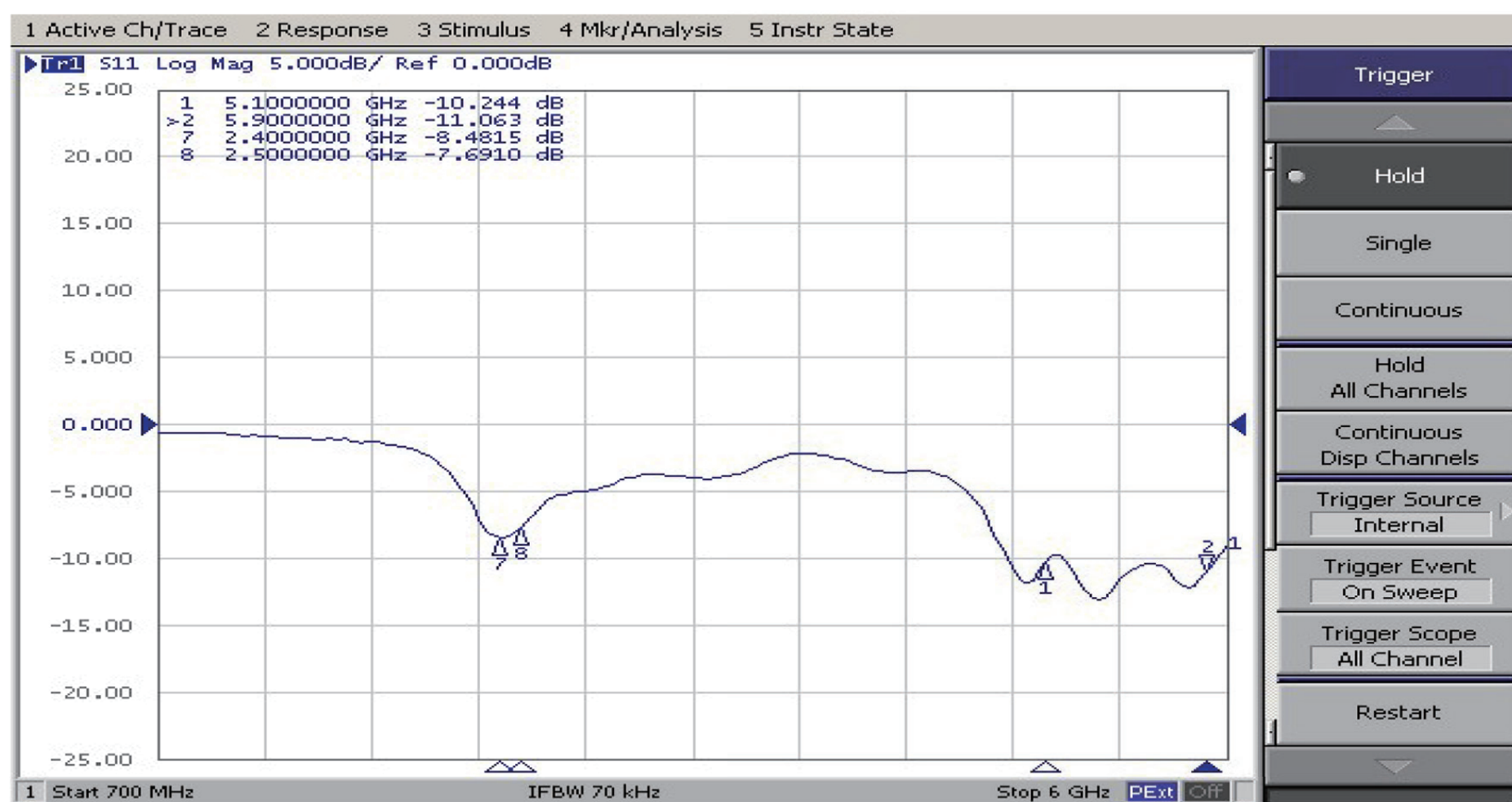


Theta axis test

Efficiency & Gain



Return Loss



radiation pattern

