

	Date06/25/2026	Version No.V1.0
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Shenzhen Rongshengyuan Technology Co., Ltd

PRODUCTSPECIFICATION

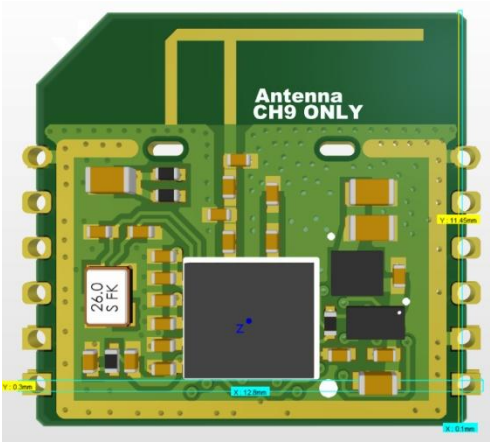
Customer	M5Stack Technology Co., Ltd
Customer’s partnumber	
Product MaterialCode	Stamp-UWB
Working Band	6000-8500MHz
IssueDate	2026-07-29
Release Version	V1.0
Author	

1 PRODUCT TECHNICAL SPECIFICATION

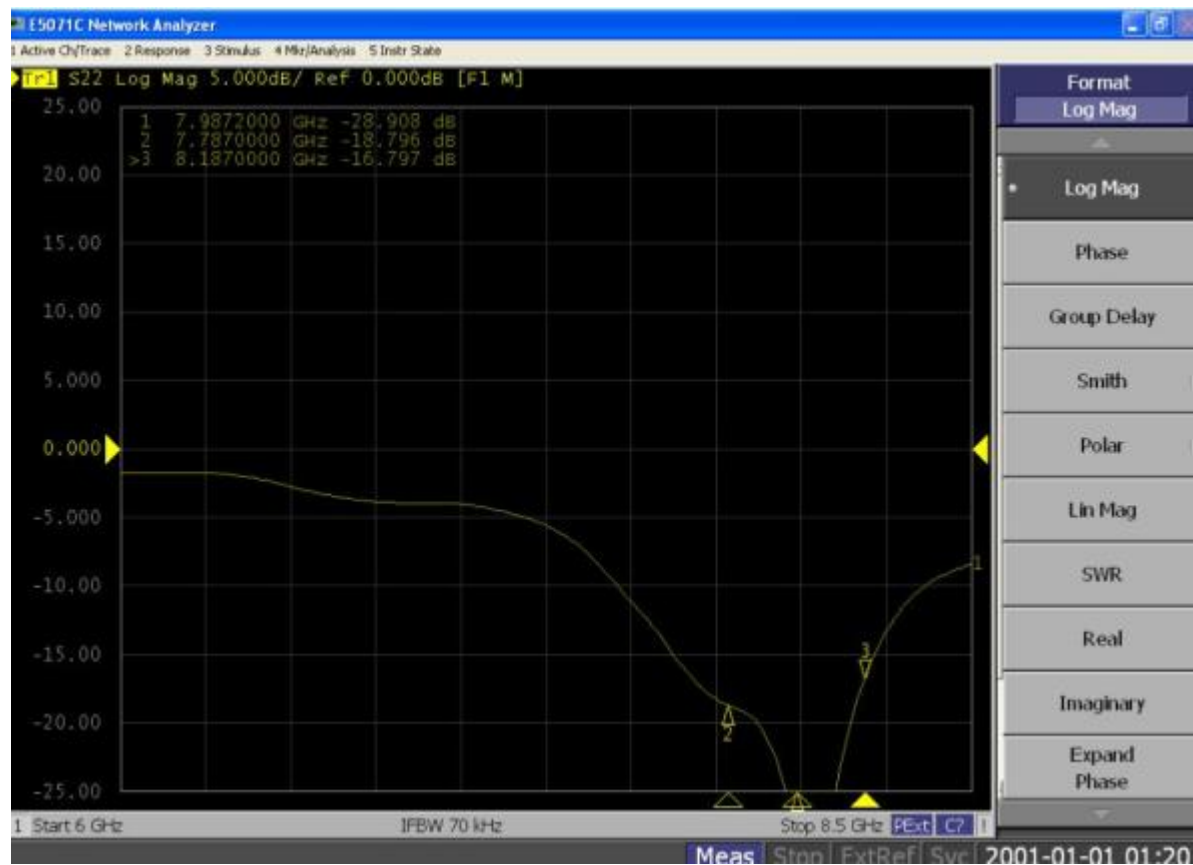
Electrical Specifications	
Frequency Range (MHz)	6000-8500MHz
Bandwidth (MHz)	300
Input Impendence (Ω)	50
VSWR	<1.5
Gain (dBi)	-2.10dBi
Polarization Type	Vertical
Mechanical Specifications	
Antenna Length (mm)	6.606mm*2.686mm
Antenna Type	PCB Antenna
Operatin Temp (℃)	-30~70
Storing Temp(℃)	-30~70

2 PRODUCT ELECTRICAL PERFORMANCE PARAMETER

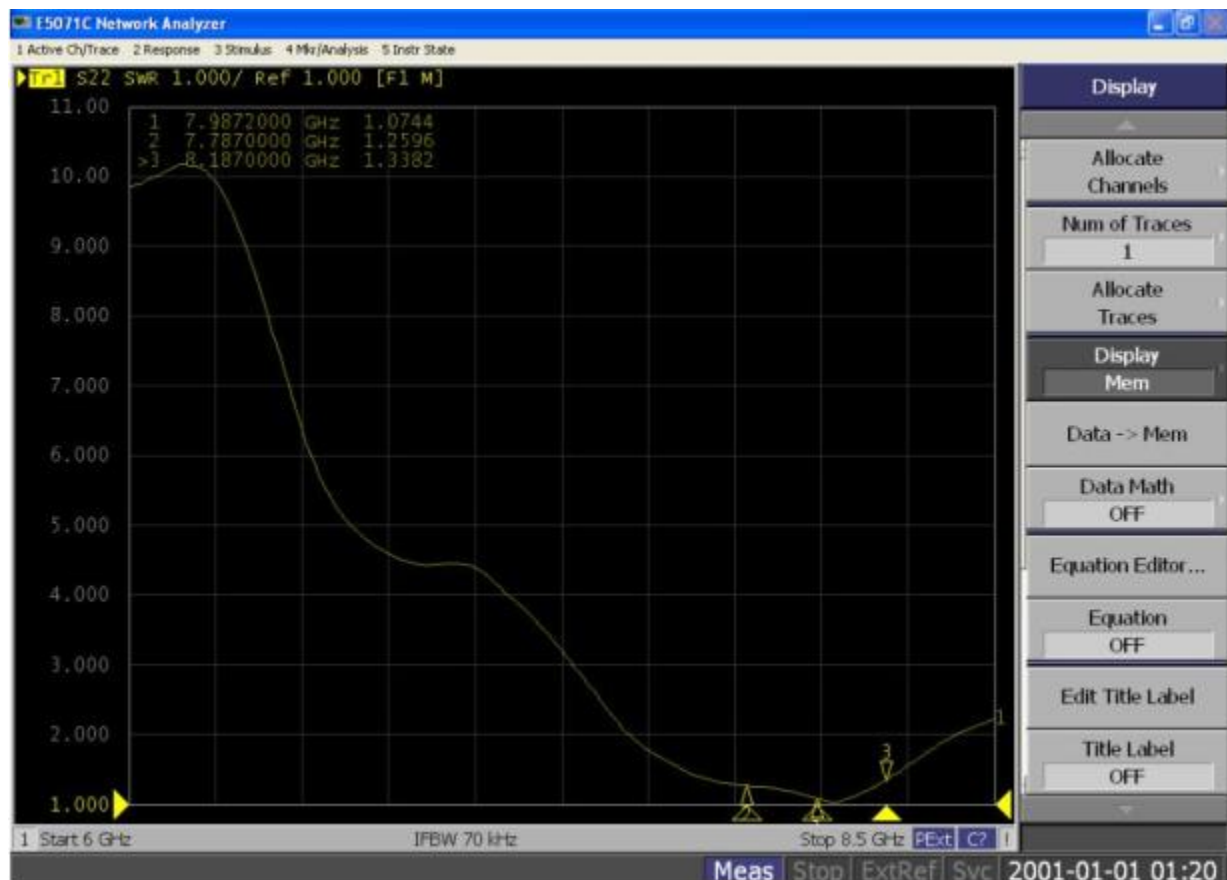
2.1. Product picture



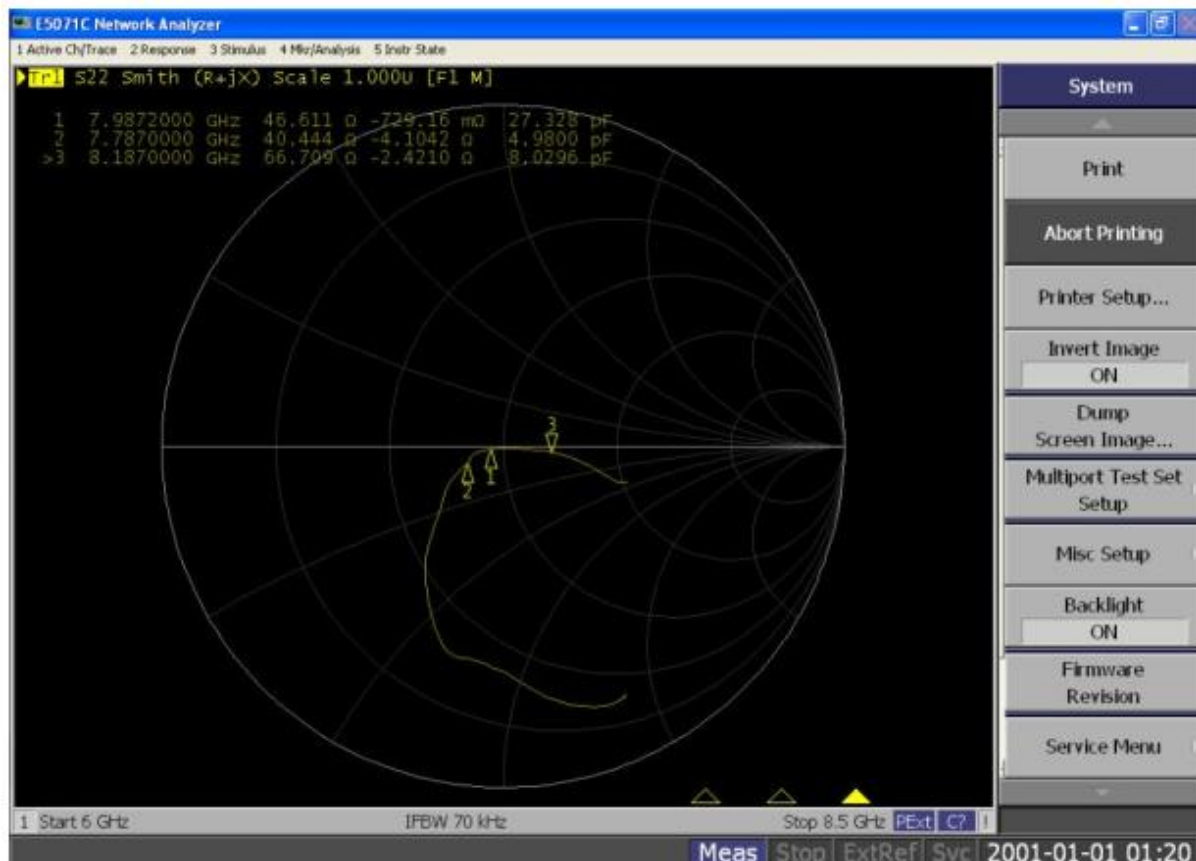
2.2 S11



2.3 VSWR



2.4 Smith Chart



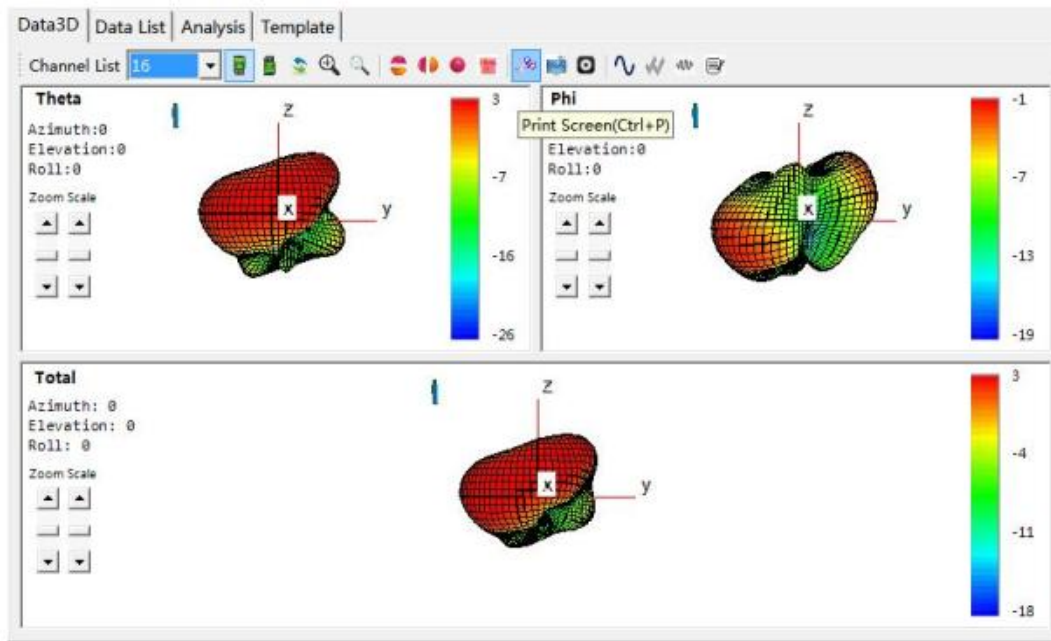
2.5 Efficiency/Gain

Fre.	Eff. dB	Eff. %
6000	-2.71	53.64
6500	-2.6	54.97
7000	-2.36	58.02
7500	-2.27	59.29
8000	-2.21	60.25
8500	-2.1	61.68

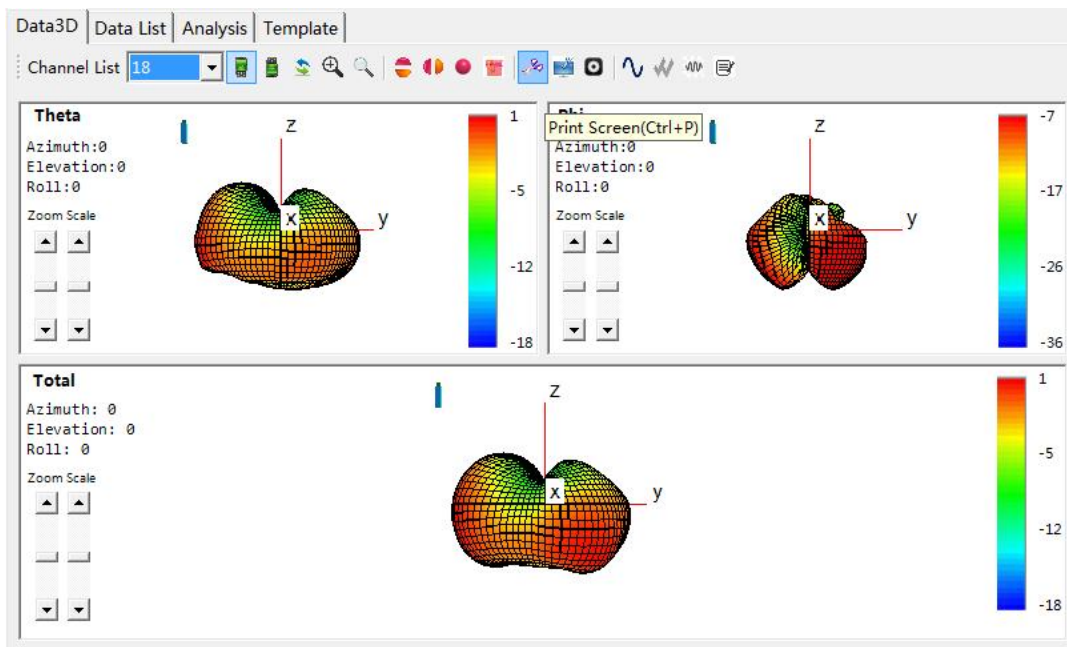
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2.5 Radiation Pattern

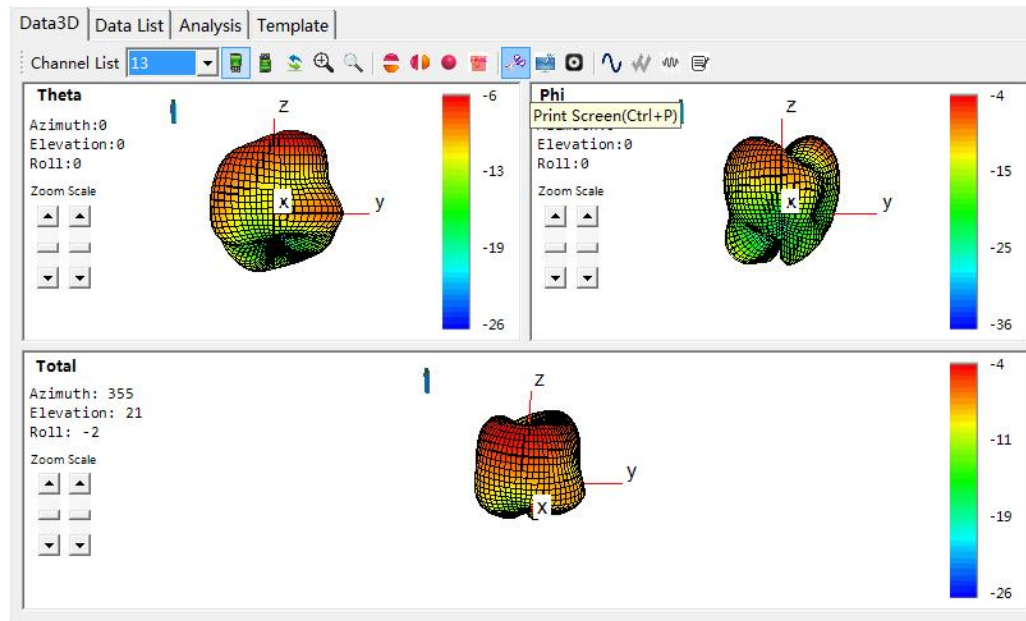
6000MHz



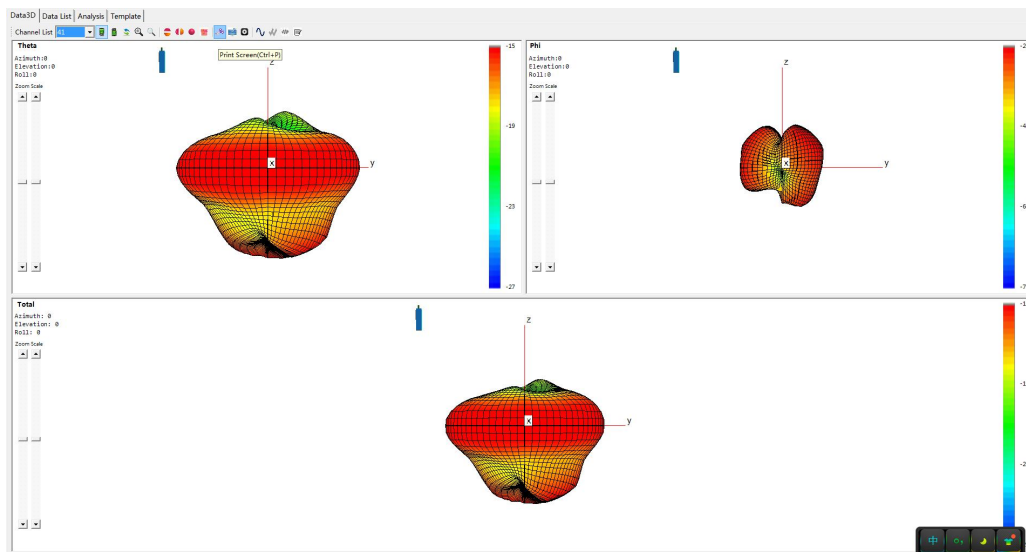
7000MHz



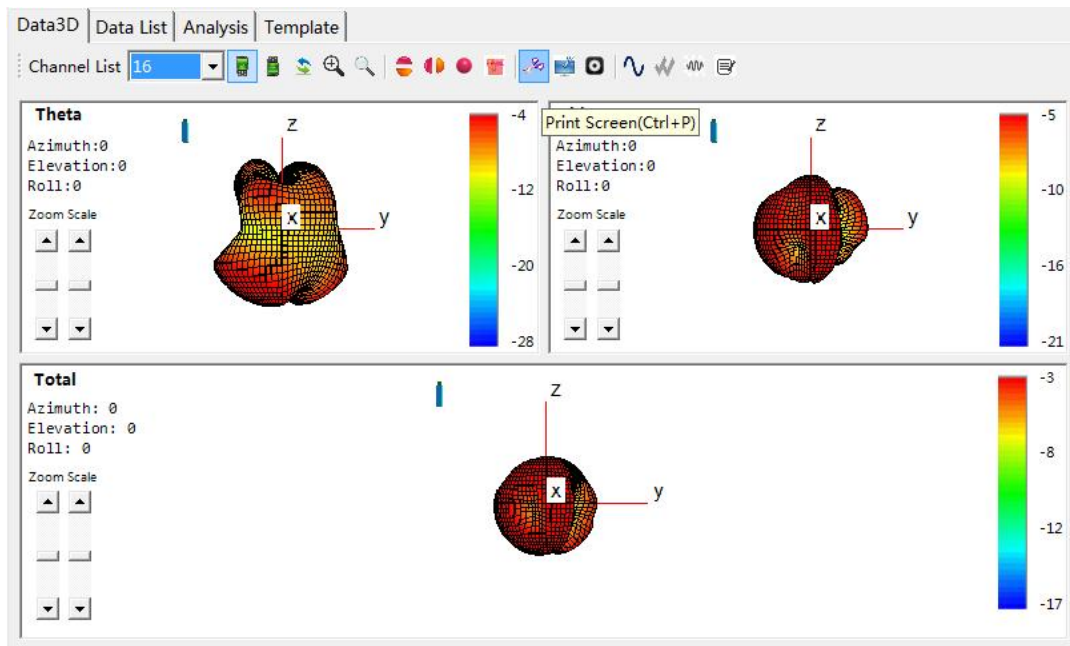
7500MHz



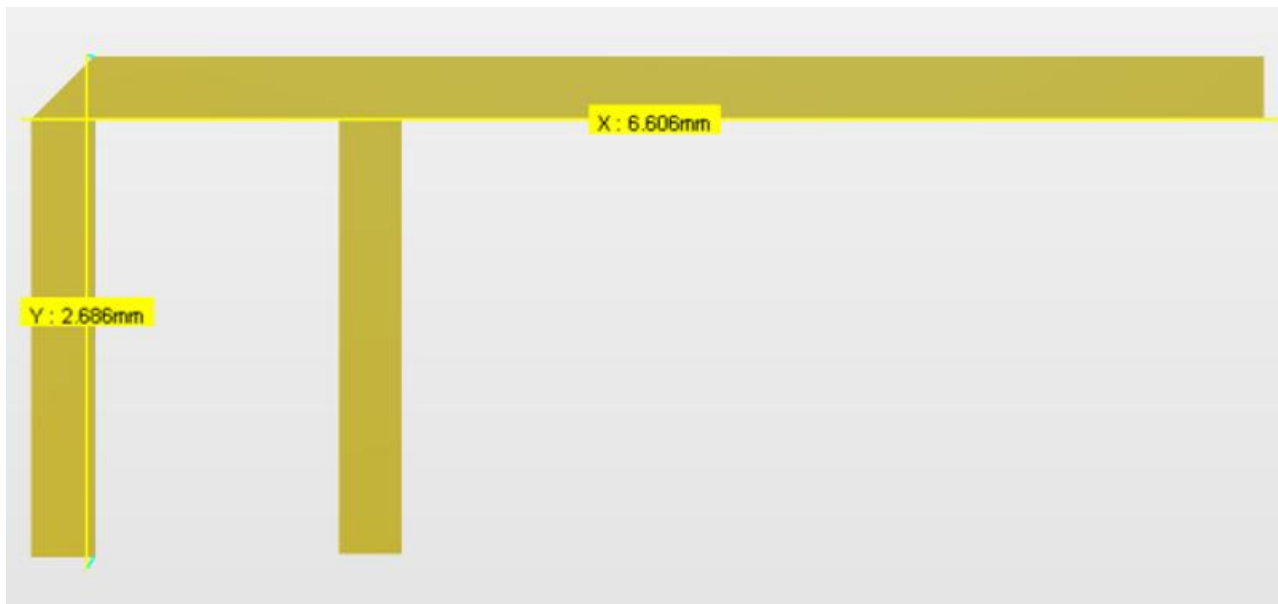
8000MHz



8500MHz



3 Product dimensions



Unit : mm