

Antenna test report

project name : LD-500

Edition: V1.0

Date:2022-08-30

R & D Center: Room D 5th Floor Building L,Block E ,71 Baocheng District ,Baoan District ,Shenzhen
Factory: 6 Floor,GangHuaXing Industrial Park,Rongshu Road 2nd ,Fuyong,Baoan ,shenzhen
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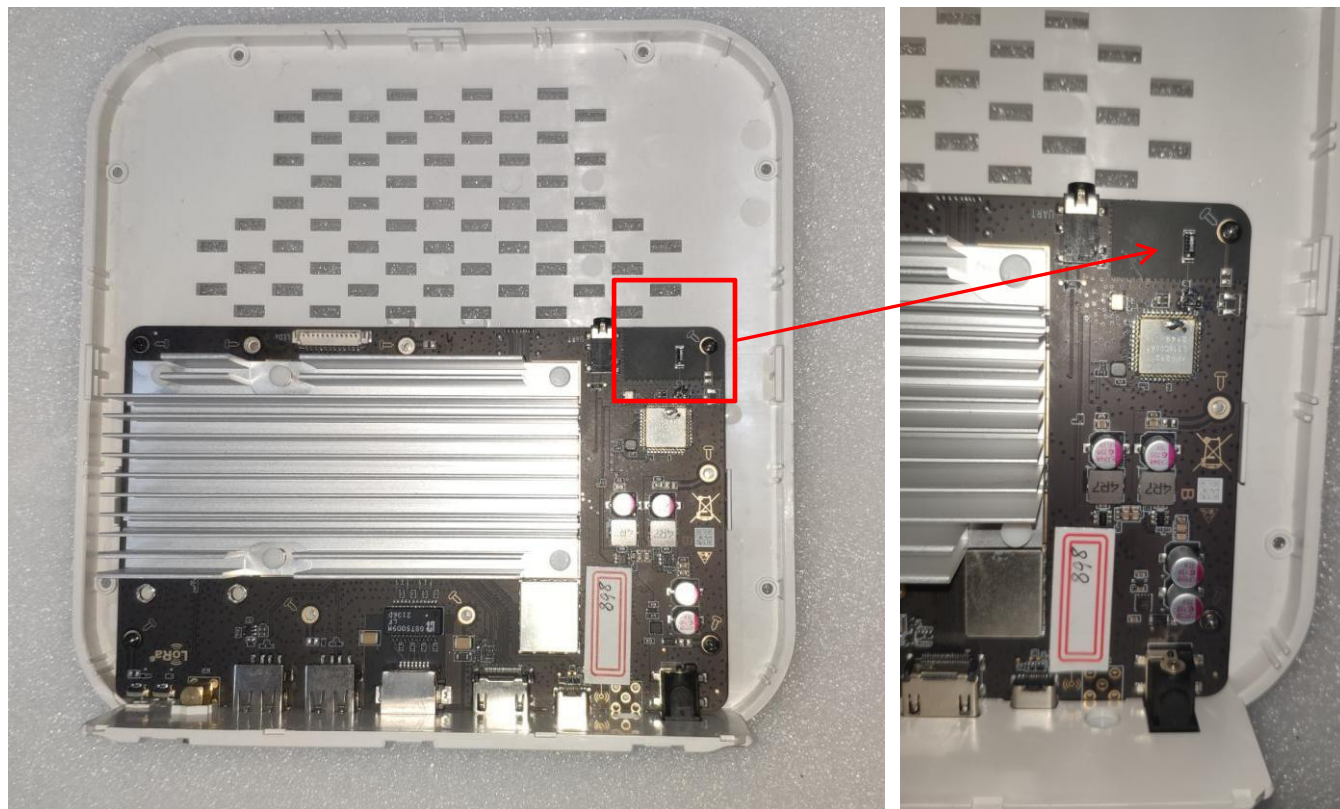
Information description:

Customer name	model number	Antenna form
Hengchangsheng	LD-500	Ceramic antenna
frequency		
WIFI	2400MHz~2500MHz	
BT	2400MHz~2500MHz	

Device pictures



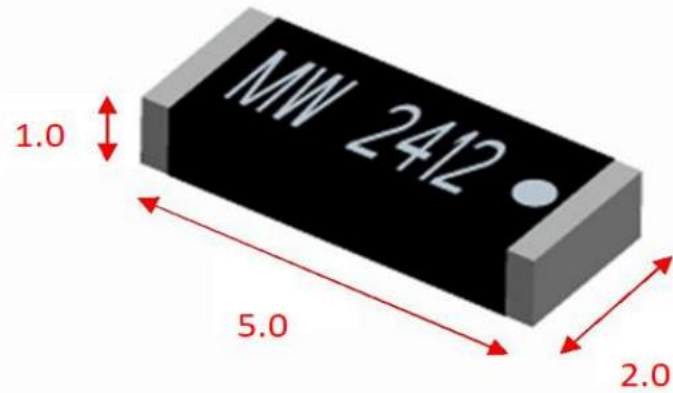
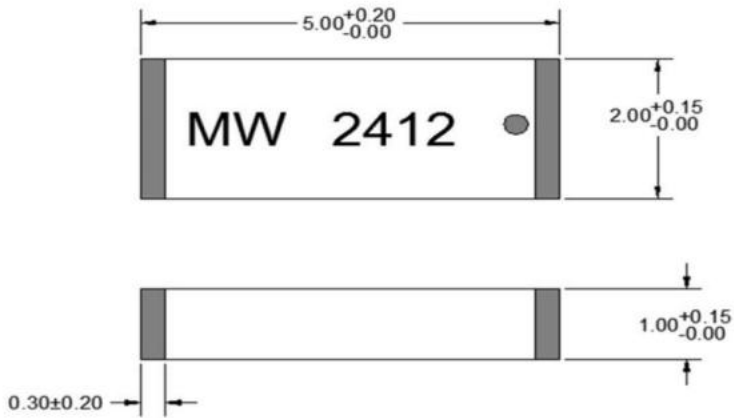
Antenna assembly diagram



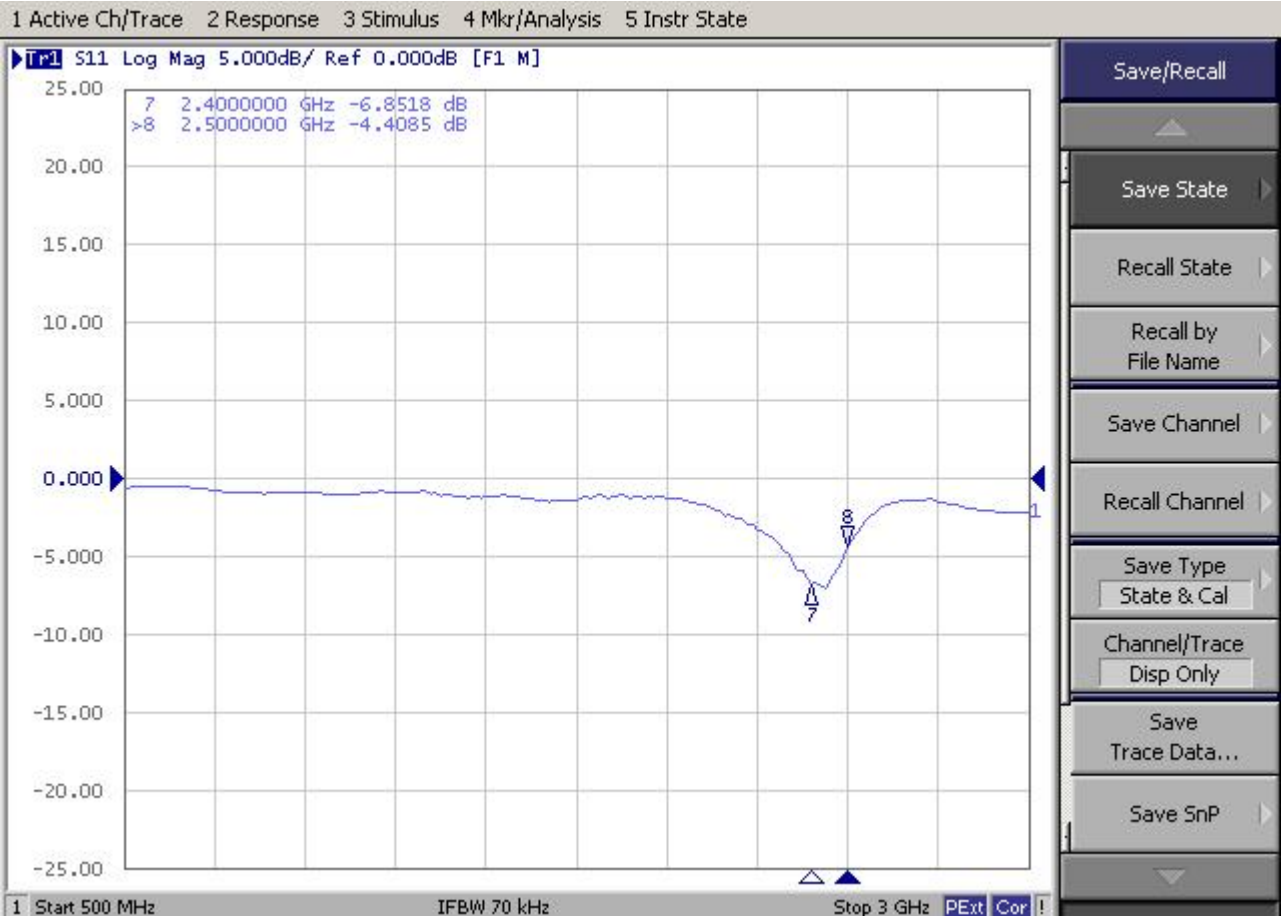
SMT贴片

Antenna size

Configuration and Dimensions:



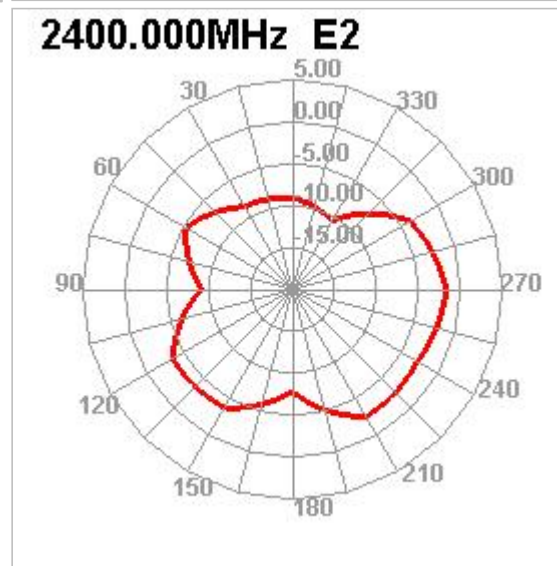
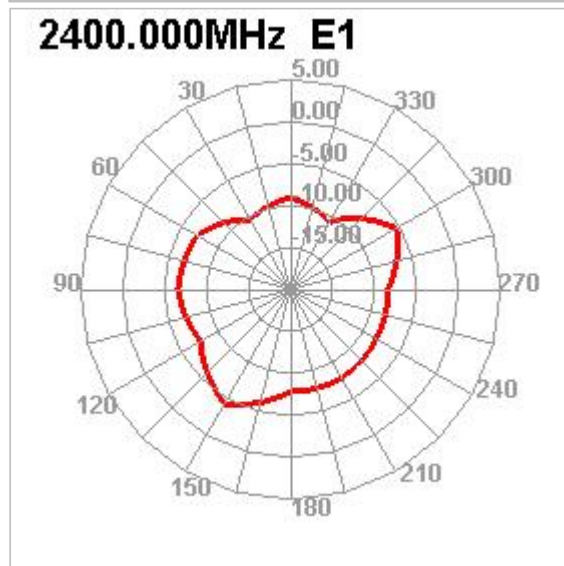
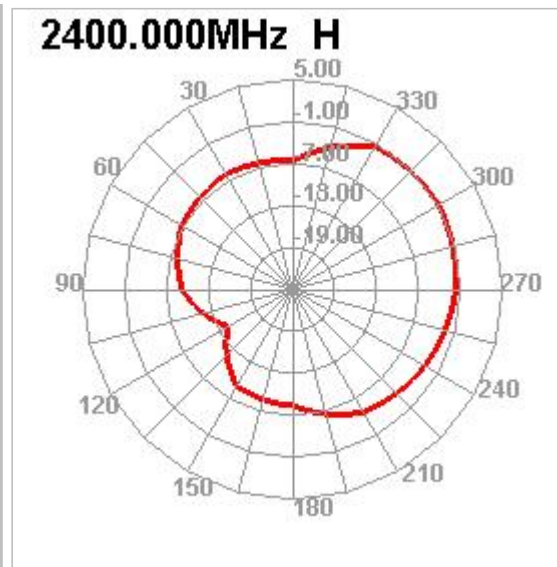
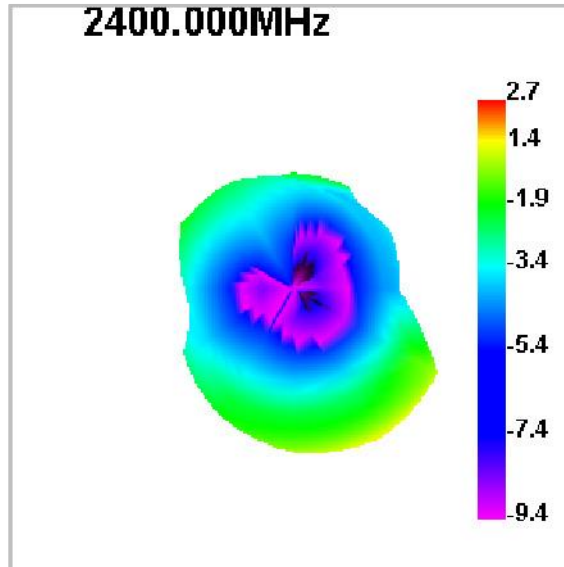
Return Loss



Efficiency/Gain

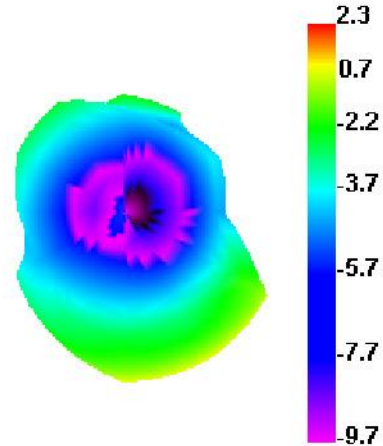
Fre (MHz)	Eff (%) (dB)	Gain (dB)
2400	33.8	2.65
2410	36.18	2.86
2420	37.9	3
2430	39.52	3.2
2440	35.28	2.72
2450	31.44	2.3
2460	30.52	2.13
2470	31.93	2.26
2480	30.1	2.08
2490	28.18	2.36
2500	24.67	1.88

Radiation Pattern

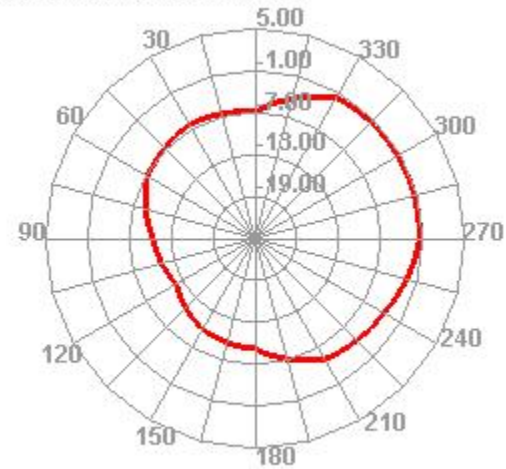


Radiation Pattern

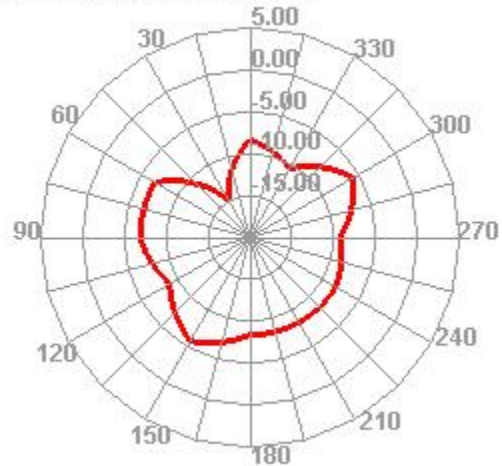
2450.000MHz



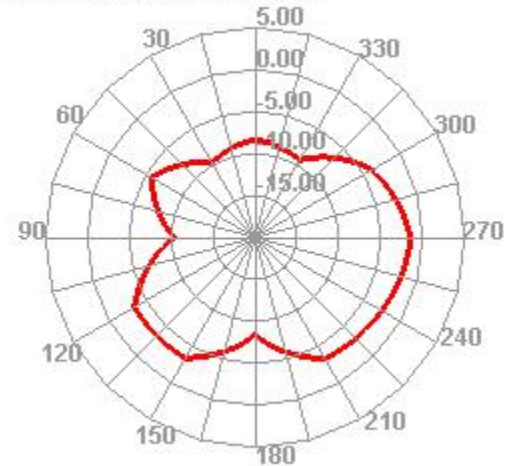
2450.000MHz H



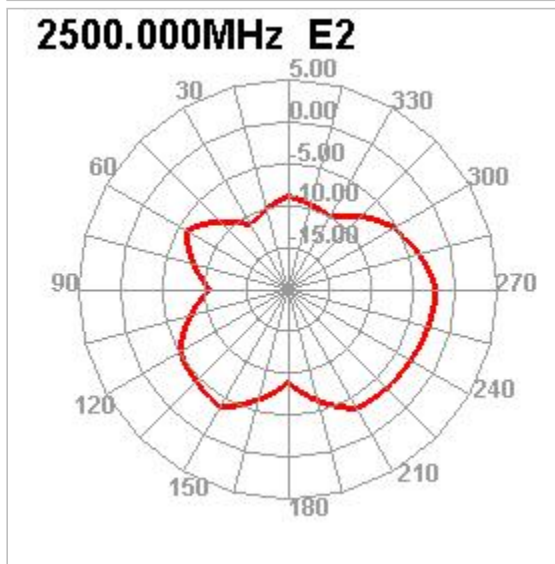
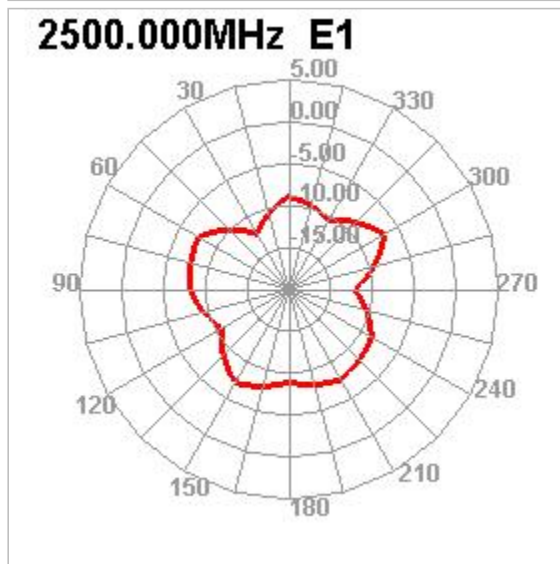
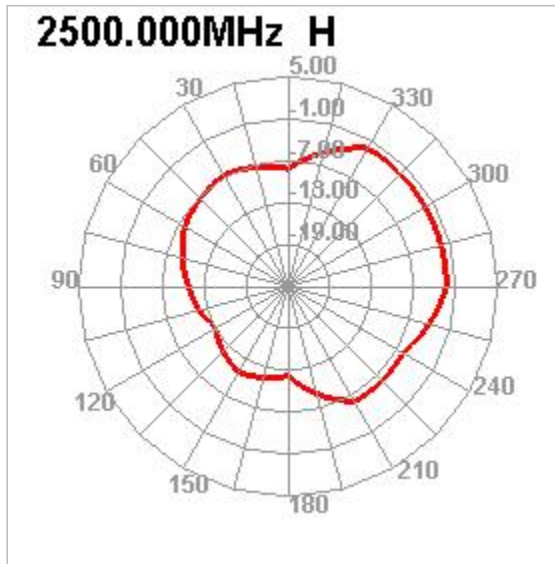
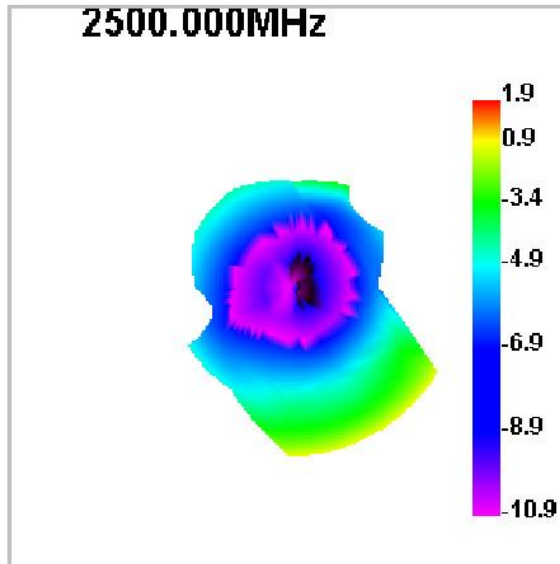
2450.000MHz E1



2450.000MHz E2



Radiation Pattern





**THANK
YOU**