

## Letter of acceptance

### SPECIFICATION FOR APPROVAL

CUSTOMER NAME: Huapte Technology Shenzhen Co., LTD

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CUSTOMER P/N:

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PRODUCT P/N: H2S54B3D38A

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PRODUCT NAME: External black glue stick antenna

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H2S54B3D38A/2.4G/5.8G-2dBi/External

Description: black glue stick antenna+SMA male head male  
needle

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REV: A edition

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Factory signature

SIGN	quality (DQE)	construction (ME)	radio frequency (RF)

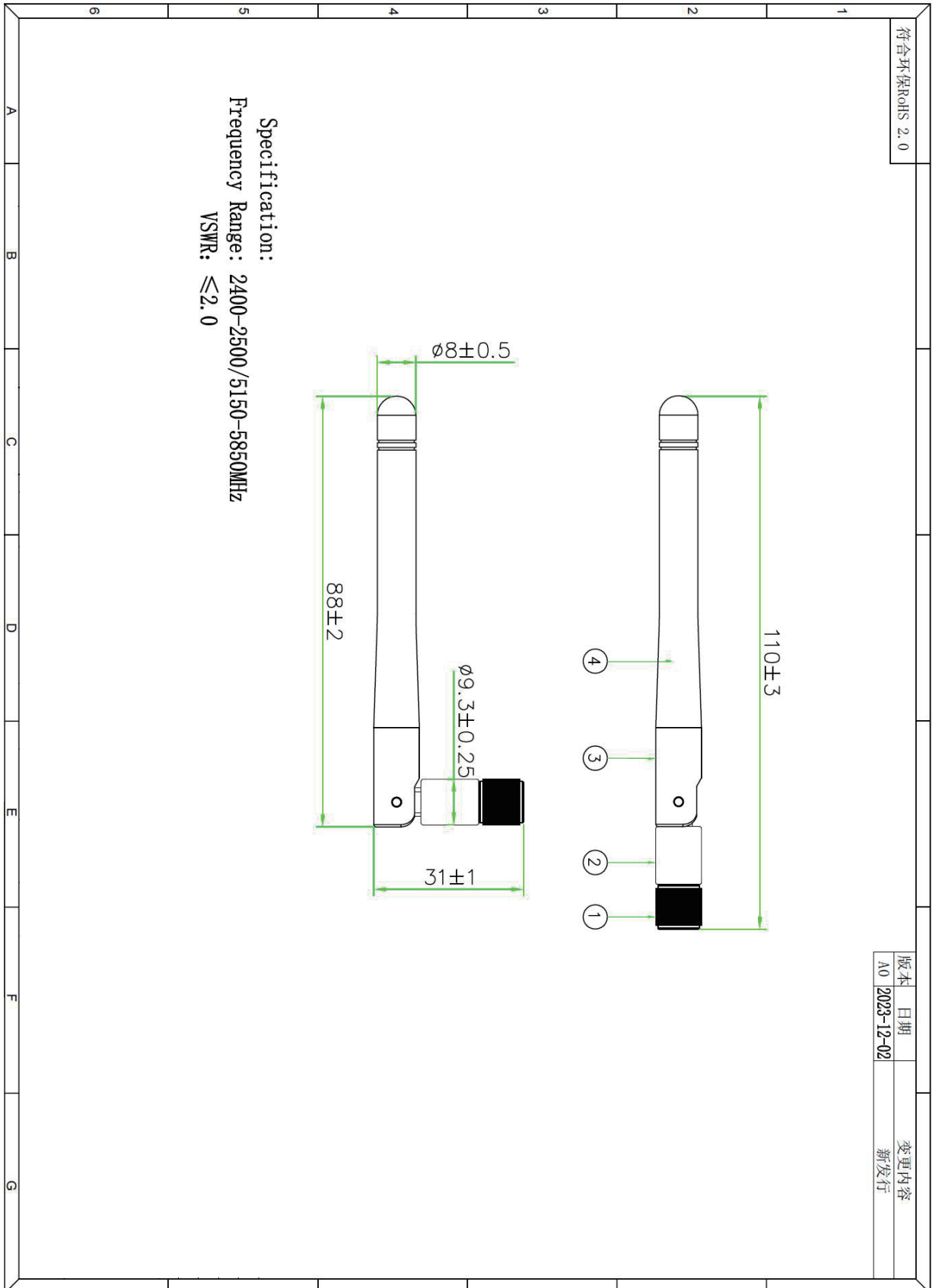
SIGN	project (PM)	construction (ME)	quality (DQE)

## Specification Table:

### Product main technical parameters

Main technical specifications	
Frequency Range (MHZ)	2400-2500/ 5150-5850
Impedance( $\Omega$ )	50
Gain(dBi)	2.06
VSWR	$\leq 2$
Polarization	Linear
Radiation	Omni-directional
Connector Type	SMA
Physical Properties	
Antenna cover	TPEE
Operating Temp	-20°C~+70°C
Storage Temp	-20°C~+60°C

## Product drawing:



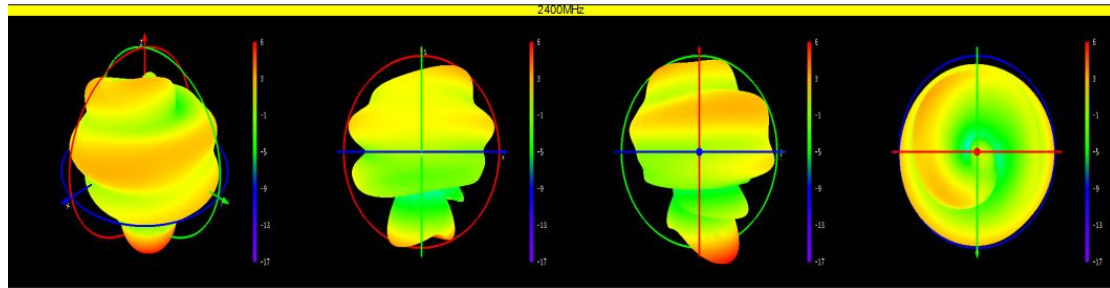
## Test report:

### Network analyzer test report

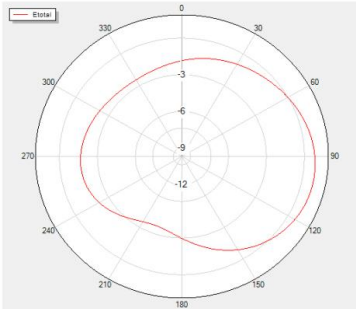


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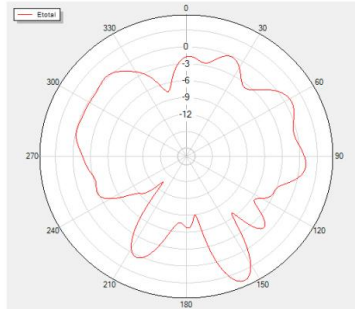
## Darkroom 2D, 3DRaditation Pattern



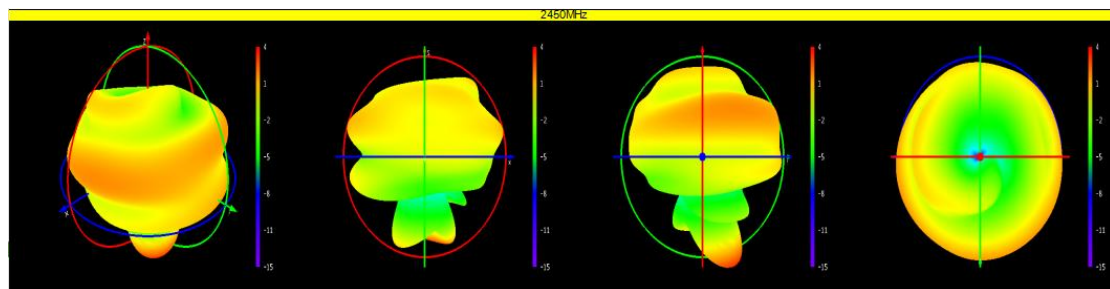
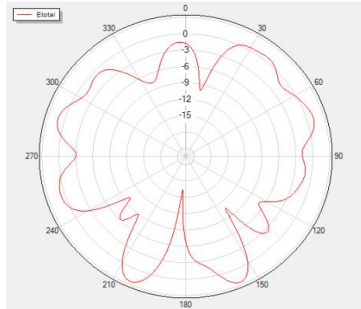
Theta=90 Freq=2400MHz



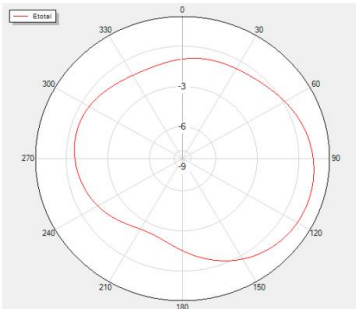
Phi=90 Freq=2400MHz



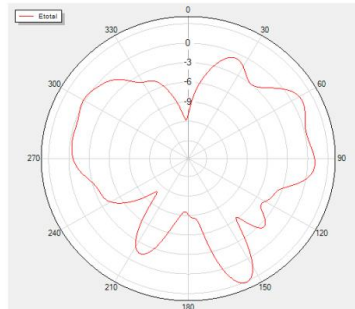
Phi=0 Freq=2400MHz



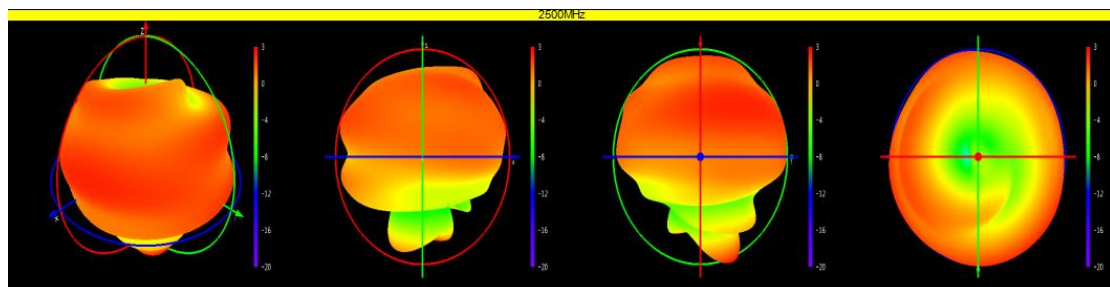
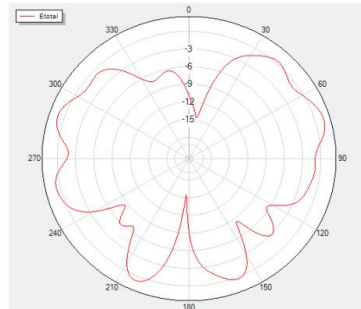
Theta=90 Freq=2450MHz



Phi=90 Freq=2450MHz

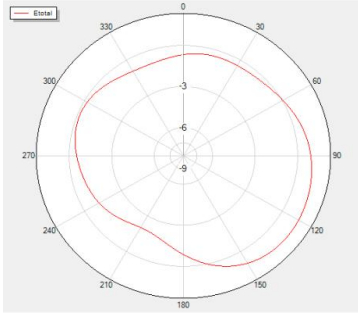


Phi=0 Freq=2450MHz

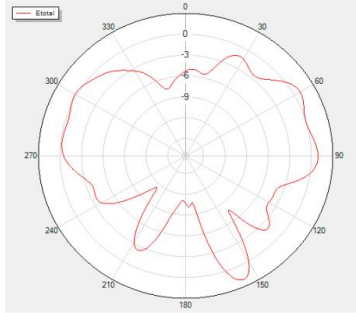


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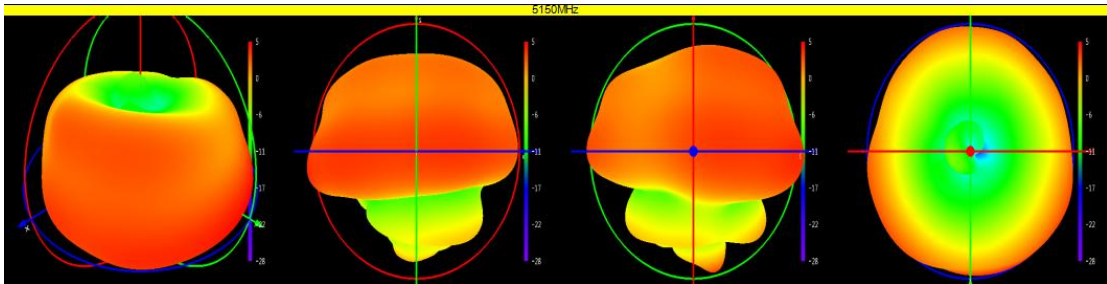
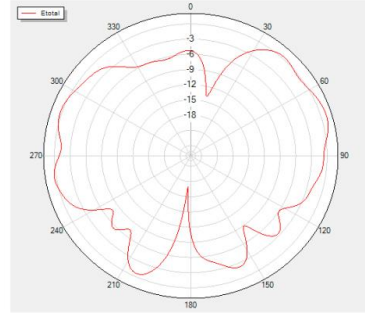
Theta=90 Freq=2500MHz



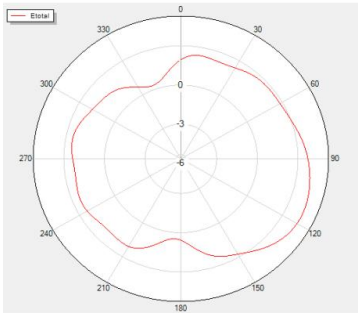
Phi=90 Freq=2500MHz



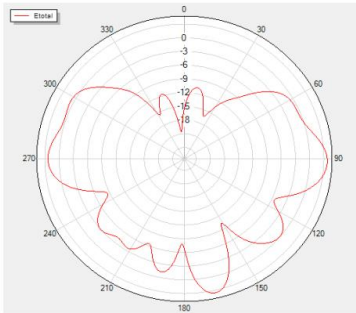
Phi=0 Freq=2500MHz



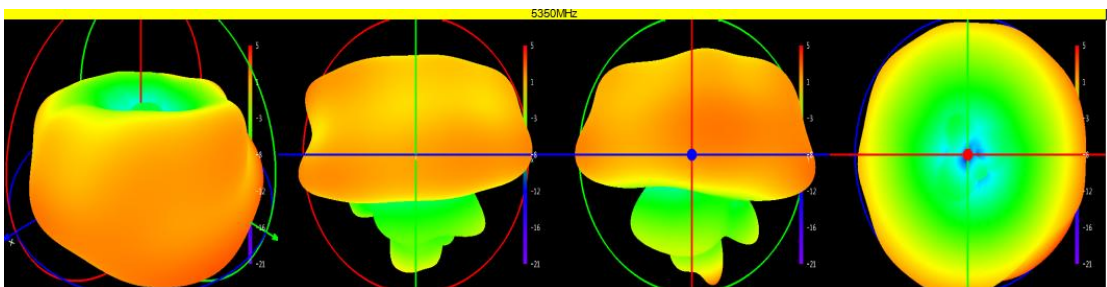
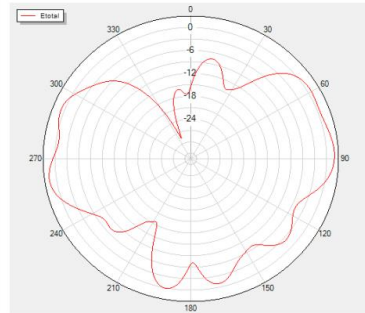
Theta=90 Freq=5150MHz



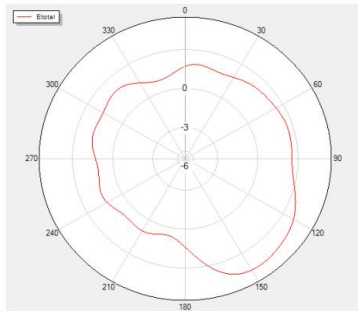
Phi=90 Freq=5150MHz



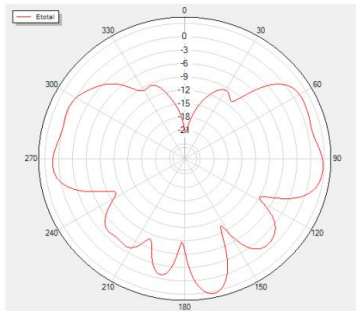
Phi=0 Freq=5150MHz



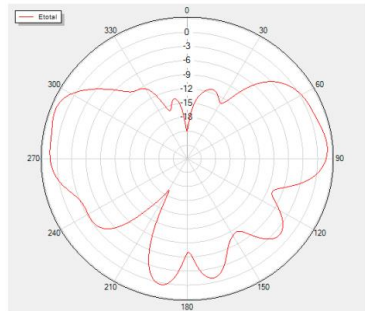
Theta=90 Freq=5350MHz



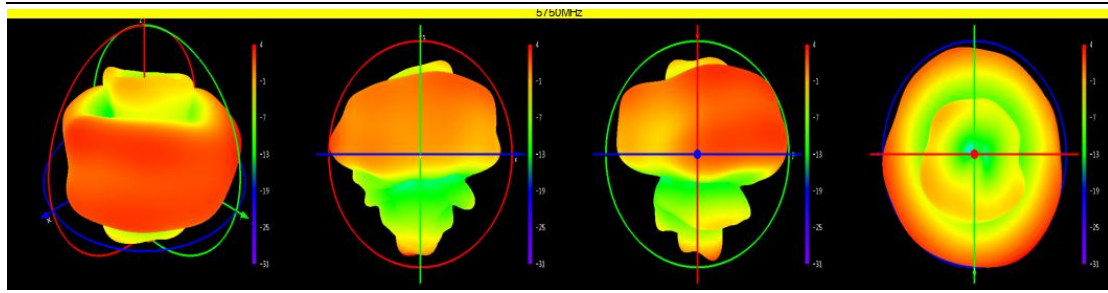
Phi=90 Freq=5350MHz



Phi=0 Freq=5350MHz



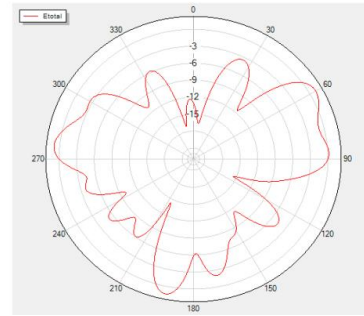
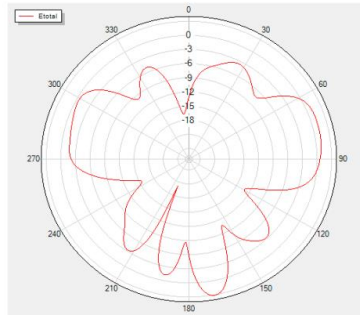
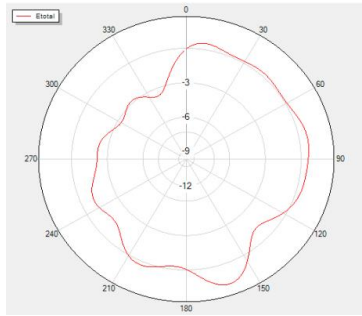
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Theta=90 Freq=5750MHz

Phi=90 Freq=5750MHz

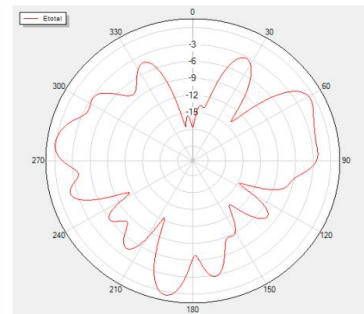
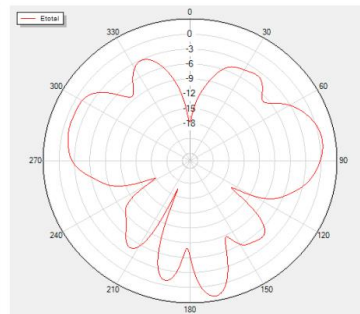
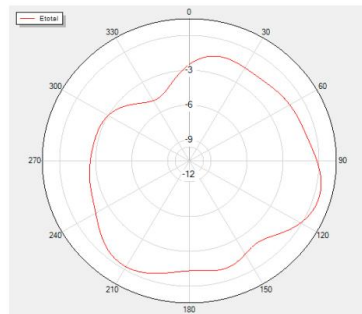
Phi=0 Freq=5750MHz



Theta=90 Freq=5850MHz

Phi=90 Freq=5850MHz

Phi=0 Freq=5850MHz



## Antenna gain and efficiency

Frequency (MHZ)	Gain (dBi)	Efficiency (%)
2400	4.06	83.71
2450	3.71	82.63
2500	3.02	80.25
5150	3.85	71.36
5350	3.77	70.69
5750	3.06	80.09
5850	2.84	72.18



## Product drawing

