

APPROVAL SHEET

Product Name	Omnidirectional Antenna
Product Model	HD-XP-A-024
Customer P/N	
Specifications	2.4G Magnetic type SMA (F)
Date Prepared	2018.2.27
Revision	A
Producer	Huizhou Huada Electronic Co., Ltd..

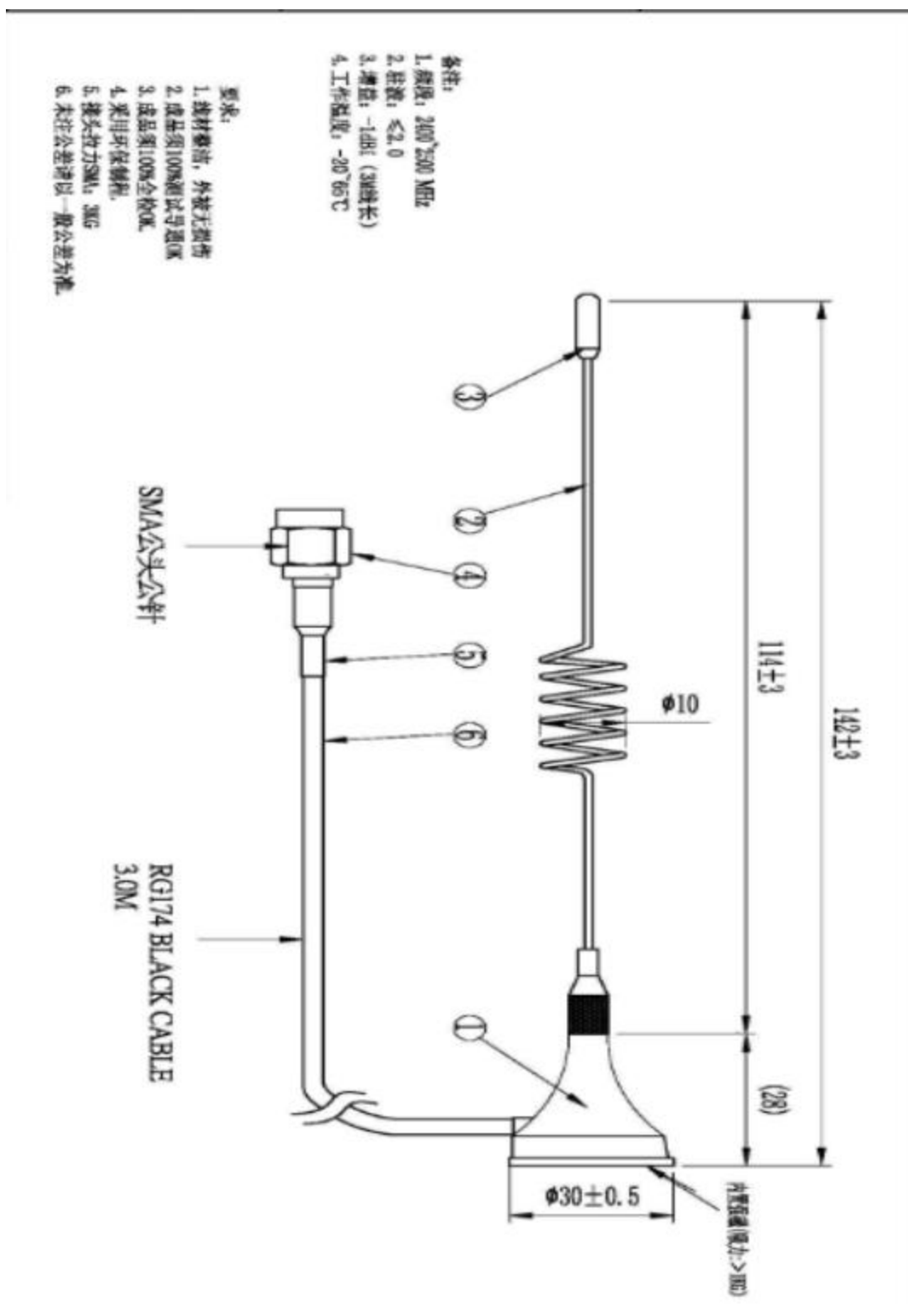


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3、Product Picture

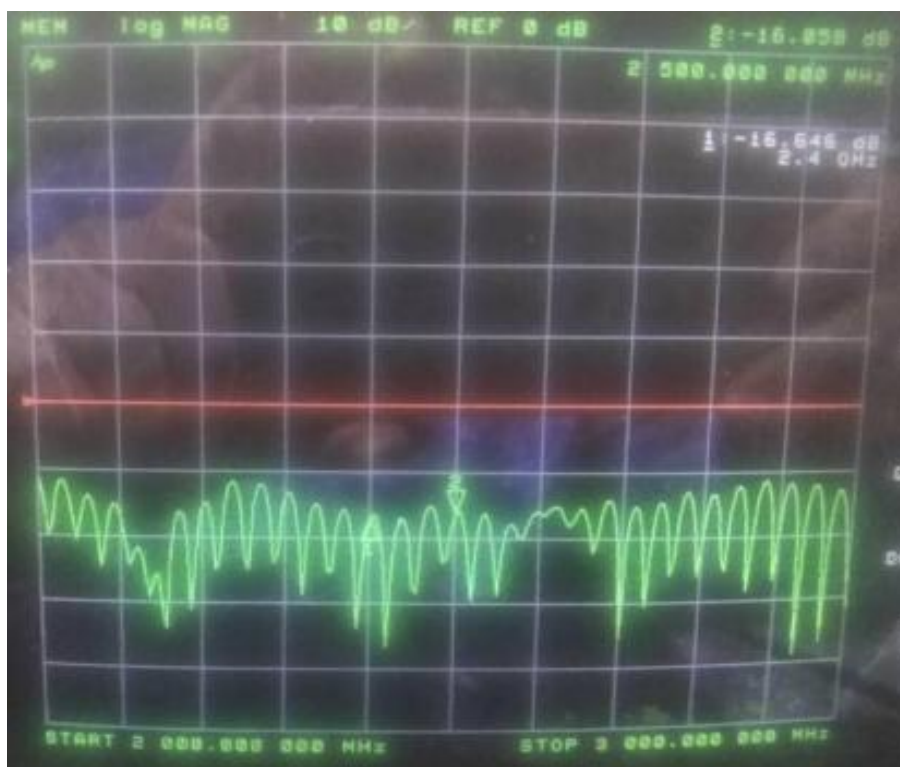
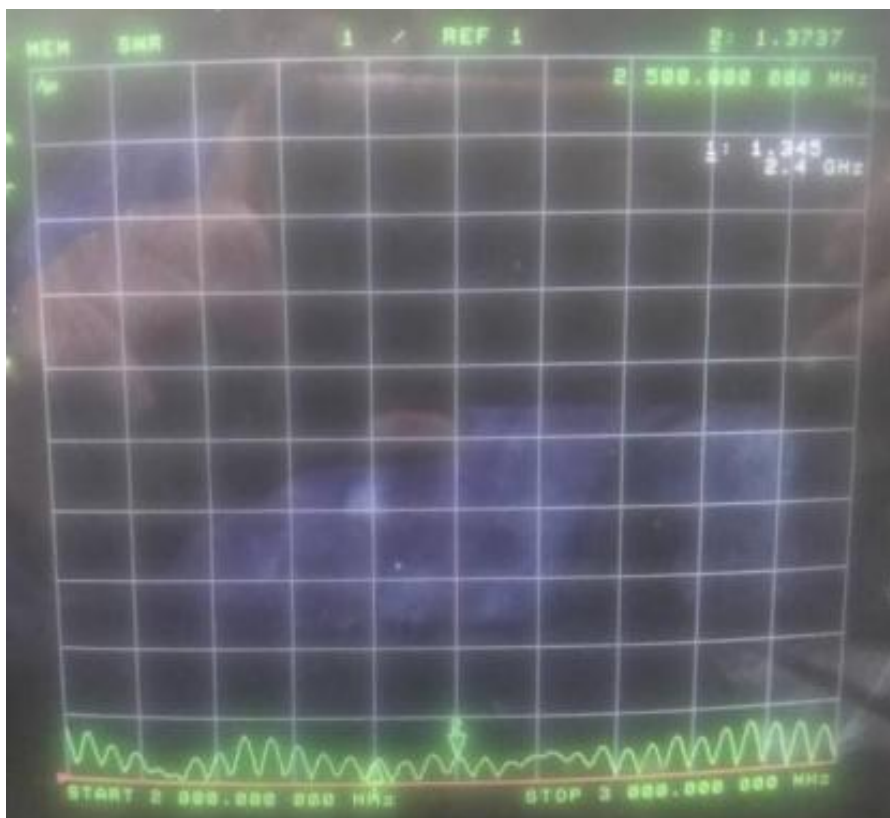


4、Specification

Parameter	
Frequency	2400–2500MHz
Impedance	50Ω
VSWR	≤2.0
Gain	≤2dBi
Efficiency	≥20%
Return Loss	≤-14dB
Beamwidth	360°
Connector	一代端子
Mechanical Parameter	
Length	3000±150mm
Cable	1.74Black-64Copper-clad aluminum-PEL=3M
Salt Spray Test	24H
Environment Parameter	
Operation Temperature	-40℃~70℃
Storage Temperature	-40℃~75℃

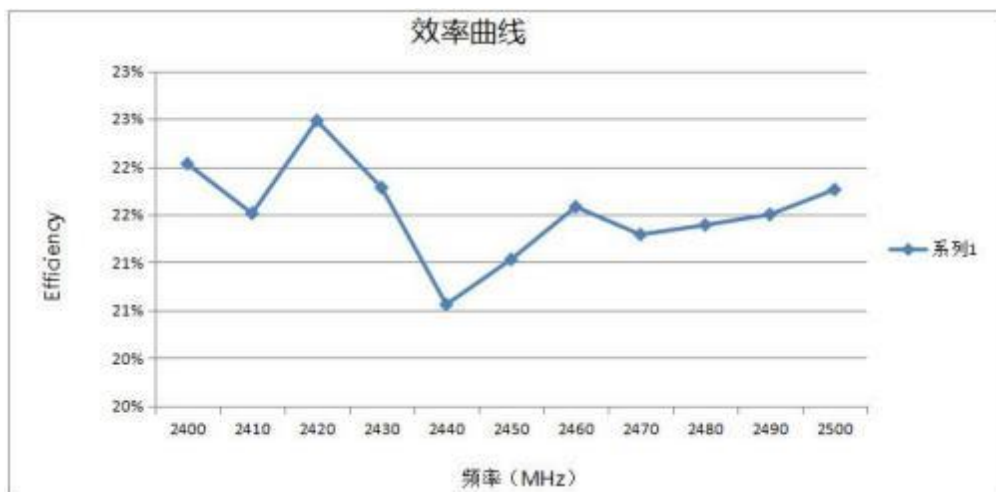
5、Radiation Report

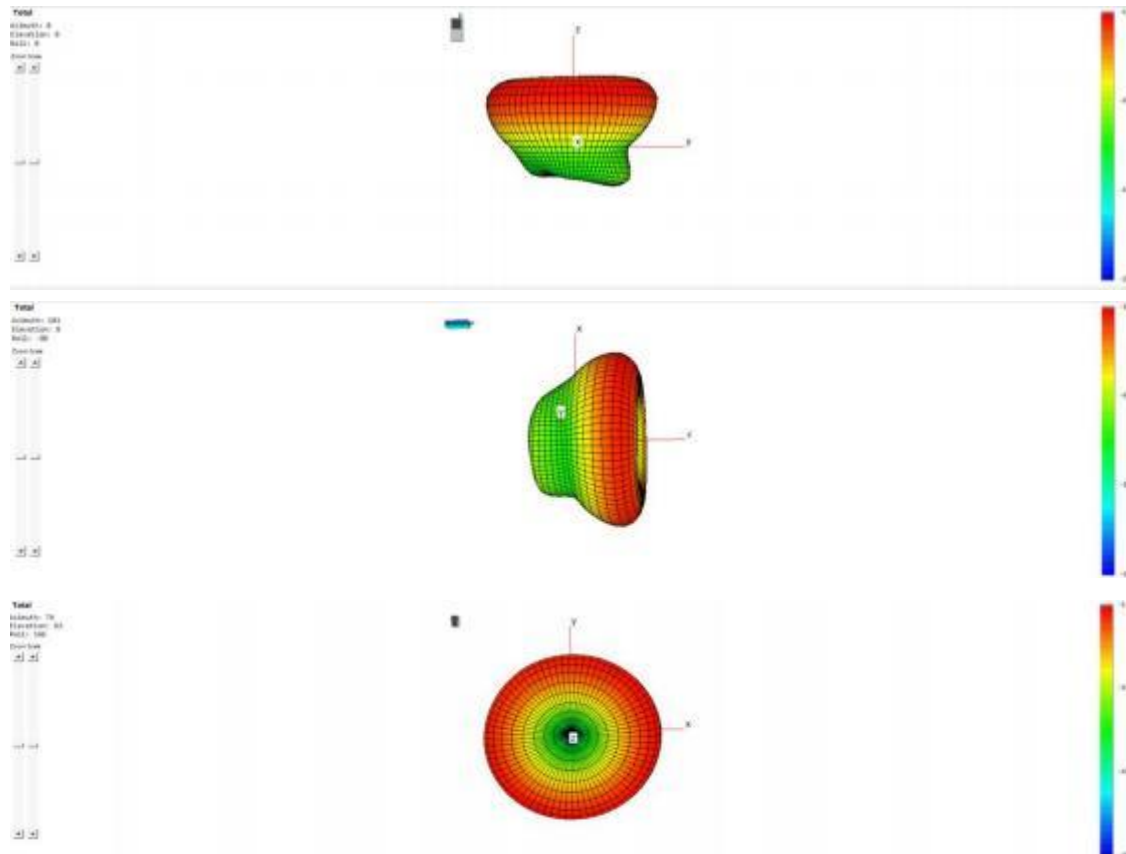
5.1 S Parameter/Gain/Efficiency/Direction



Efficiency And Gain

ANTO			
Frequency point (MHz)	Standard	Efficiency	Gain
2400	30%	22%	1.24
2410	30%	22%	1.31
2420	30%	22%	1.14
2430	30%	22%	1.25
2440	30%	21%	1.4
2450	30%	21%	1.37
2460	30%	22%	1.37
2470	30%	21%	1.6
2480	30%	21%	1.76
2490	30%	22%	1.86
2500	30%	22%	2





6 、 Reliability Report

6. 1. Constant Temperature and Humidity Test

Project	Constant Temperature and Humidity Test	Check ID
Product Name	2.4G Antenna)	Quantity:5PCS
Date Of Test:	2017-08-26	Date of Complete: 2017-08-26
Equipment For Test: 1.Programmable Constant Temperature And Humidity Test Box 2.8753ES Network Analyse)		
Condition For Test: 1.Under room temperature,65% humidity		

2.Under 80 ° , 85%~90% humidity , 2 hour per circulation, total 24 hours				
Test Result				
Standard				
1、 Shedding-free, Non-cracking, No separation on the surface of metal ;Non-fading, Non-cracking, Non-deforming on the surface of nonmetal				
2、 Test result meet the technical requirements				
Project	Before Test	After Test	Problem	Result
Appearance	shedding-free, Non-cracking, No separation	Non-fading, Non-cracking, Non-deforming	Void	Pass
performance	VSWR Pass	VSWR Pass	Void	Pass
Result: <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL <input type="checkbox"/> Unable to judge				
Tester	Check		Approval	

