

Acknowledgment

SPECIFICATION FOR APPROVAL

CUSTOMER NAME:

PRODUCT NAME: 2400~2500/5150~5850 MHz-Large SMA Male Female Pin-
5DBI Black Antenna

CUSTOMER P/N:

P/N:

REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
APPROVED BY:		
DATE:		

Contents

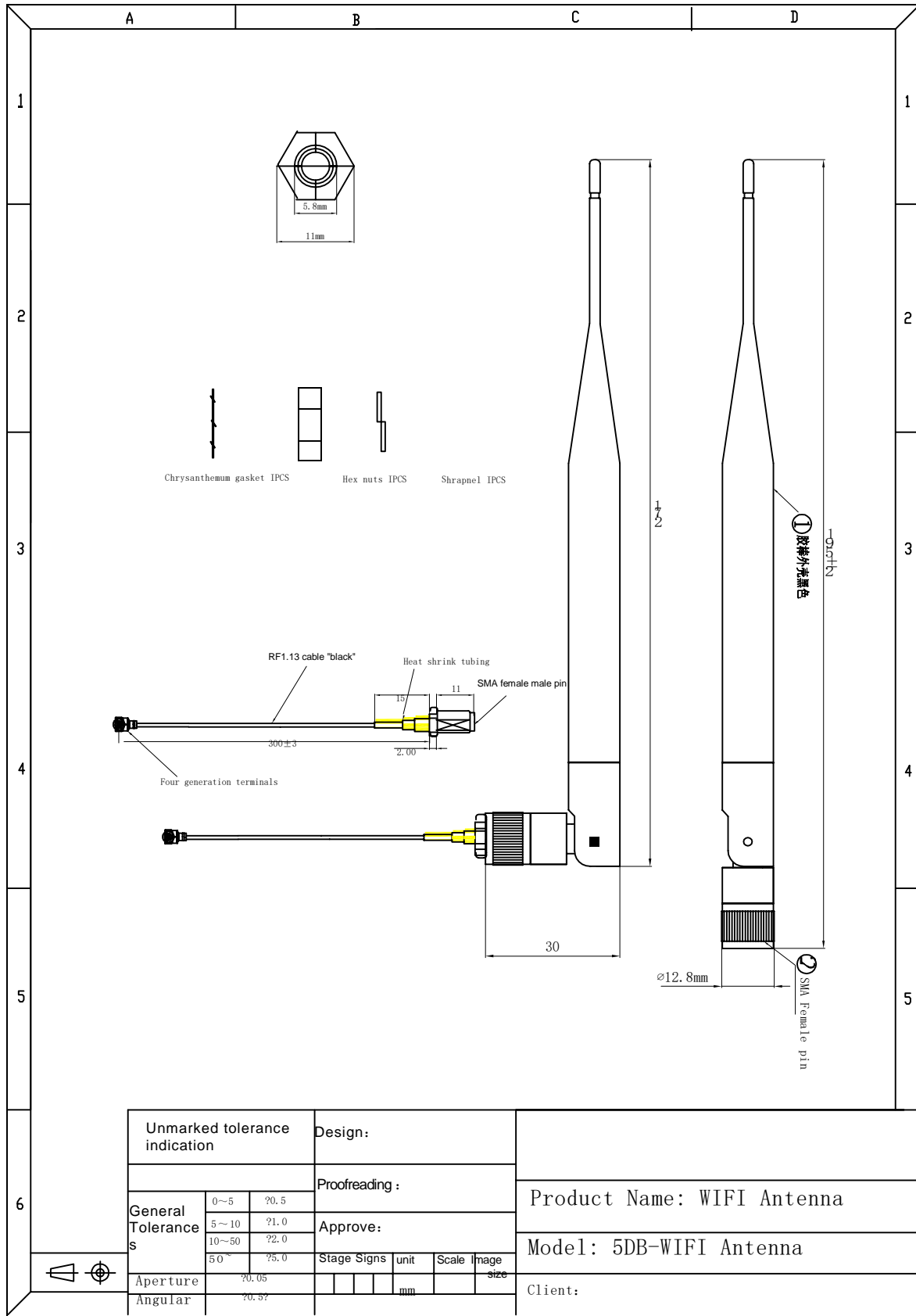
<i>Item</i>	<i>Description</i>
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1. Specification Table:

Product Main Technical Parameters

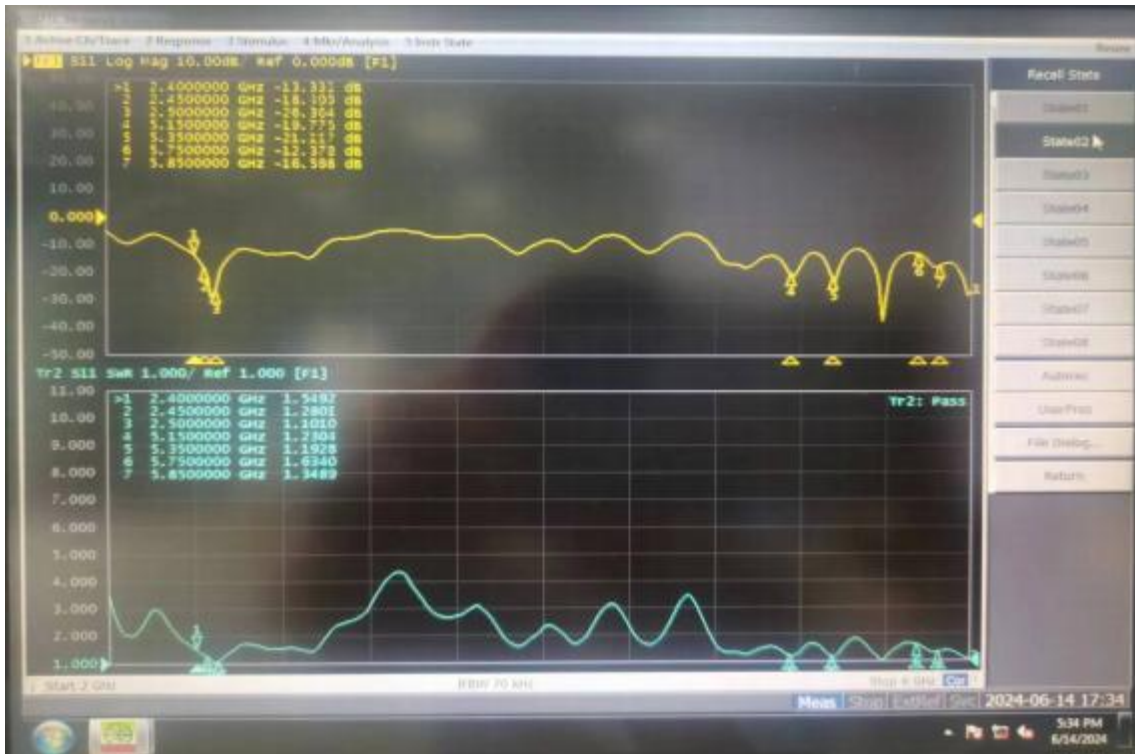
Main Specifications		Main technical specifications	
Frequency Range (MHZ)	2400~2500\ 5150~5850	Frequency Range (MHZ)	2400~2500\ 5150~5850
Characteristic Impedance(Ω)	50	Impedance(Ω)	50
Gain(dBi)	5: 0.5	Gain(dBi)	5: 0.5
Output voltage VSWR	≤ 1.92	VSWR	≤ 1.92
Maximum power	1W	Admitted Power	1W
Polarization mode	Vertical polarization	Polarization	Linear, Vertical
Connection mode	SMA	Connector Type	SMA
Physical Properties		Physical Properties	
Antenna body Material	TPEE	Antenna Base	TPEE
Operating Temp	-20°C~+65°C	Operating Temp	-20°C~+65°C
Storage Temp	-30°C~+75°C	Storage Temp	-30°C~+75°C

2. Finished product picture:

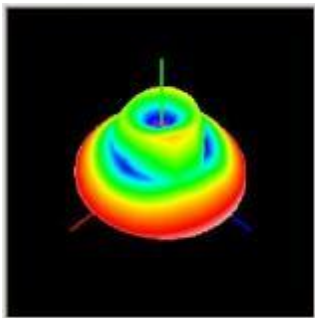


3. Test report

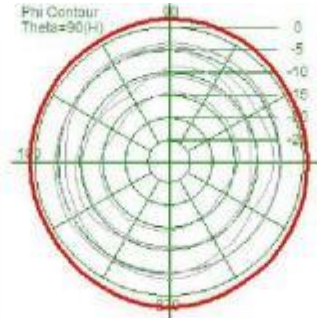
3.1: Network analyzer test report:



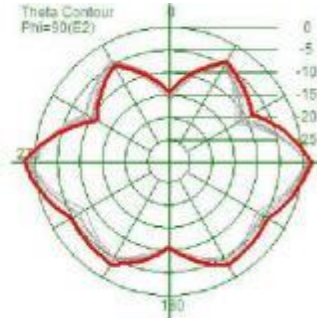
3.2: Darkroom 2D, 3DRaditation Pattern



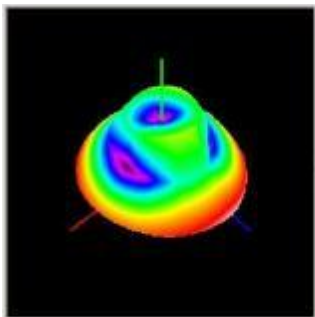
2.4GHz



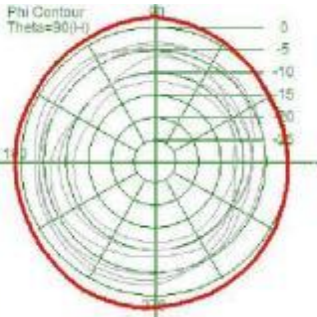
Gain: 4.52dBi



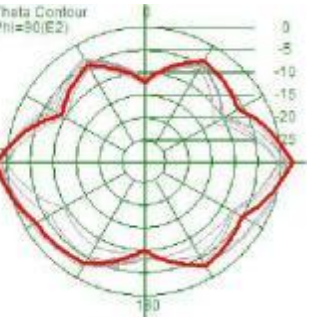
Efficiency: 70.15%



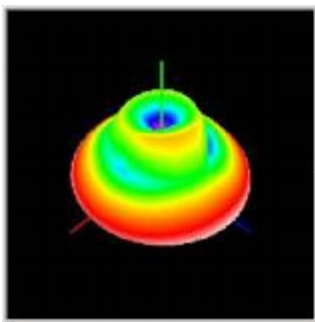
2.45GHz



Gain: 4.64dBi



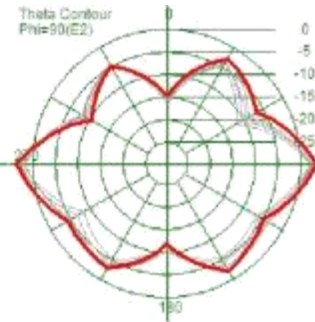
Efficiency: 73.23%



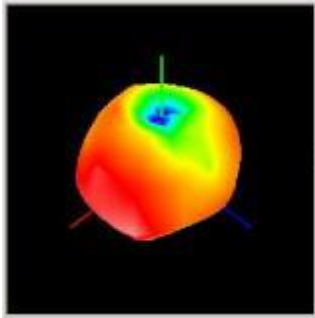
2.5GHz



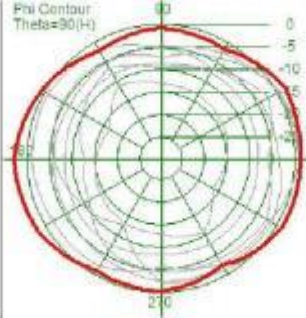
Gain: 4.69dBi



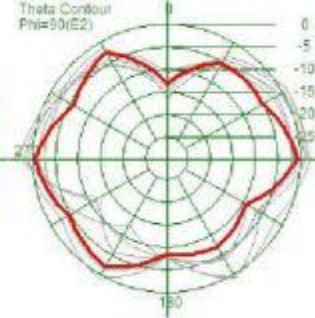
Efficiency: 74.09%



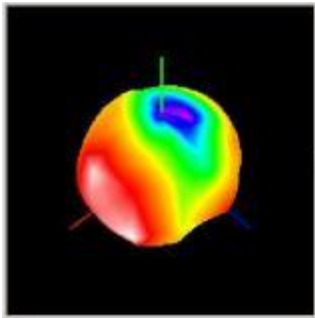
5.15GHz



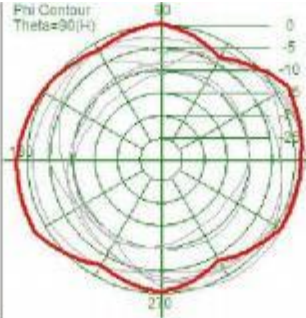
Gain: 4.58dBi



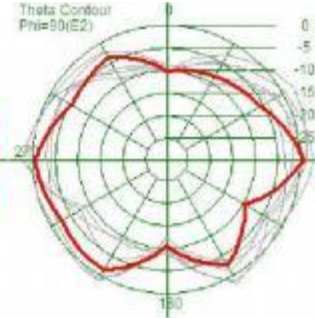
Efficiency: 70.86%



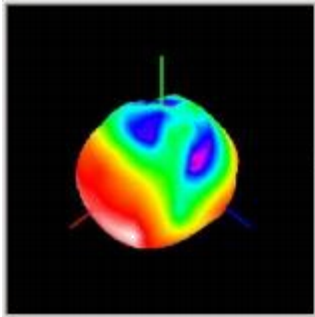
5.35GHz



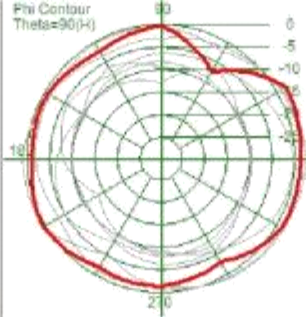
Gain: 4.65dBi



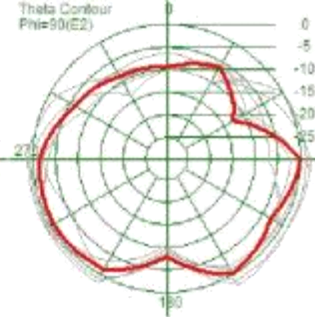
Efficiency: 70.49%



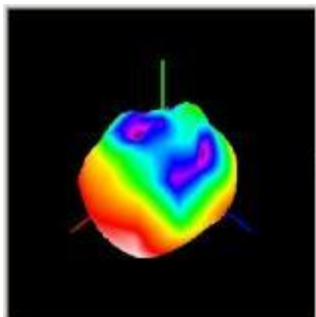
5.75GHz



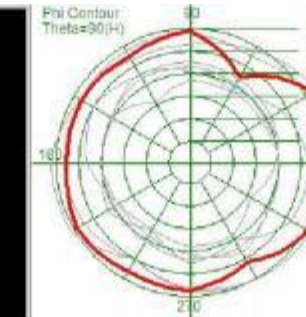
Gain: 4.73dBi



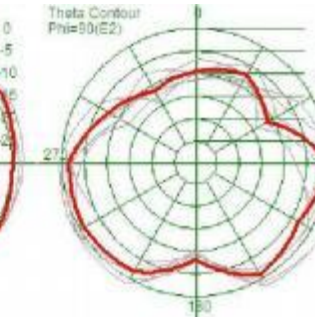
Efficiency: 71.61%



5.825GHz



Gain: 4.68dBi



Efficiency: 72.37%

4. Temperature test report

High And Low Temperature Test Report

Client:	Product Name: Adapter Cable	Product model: 1.13 black conversion cable L=300mm female male pin		
Test purpose	Confirm whether the product has abnormal abnormal phenomena			
Test items	<input type="checkbox"/> Low temperature	<input type="checkbox"/> High temperature storage test	<input checked="" type="checkbox"/> Temperature shock test	<input type="checkbox"/> Constant damp heat test
Test conditions	The samples were stored at -35° C for 2 hours.	The samples were stored at 70° C for 2 hours.	The sample was stored at a high temperature of 75° C for 2 hours, and then transferred to a -35° C environment for 2 hours within 5 minutes. This was considered one cycle. The shock was repeated for three cycles, and then the sample was taken out and allowed to recover in a natural environment for 2 hours.	The samples were stored at a temperature of 60° C and a humidity of 95±2% for 12 hours.
Test period	07/06/2024 10:00am ~ 08/06/2024 10:00am (24H)			
Test Number	Black 3PCS			
Test requirement	After the test, the product's electrical performance test was qualified; there was no deformation, looseness, cracking, discoloration and other defects in the appearance.			
Test Results	Confirmed that there are no problems before the test, and confirmed that there are no problems after the test			
Result judgment	<input checked="" type="checkbox"/> PASS		<input type="checkbox"/> FAIL	
Judgement Standard	<input type="checkbox"/> GB2423.1 -2001/GB2423.2-2001/GB2424. 13-2002		<input type="checkbox"/> Customer Standards	
Usage Environment	-35° -- + 85°			
Created:	Confirmed:	Review:		
Date:	Date:	Date:		

5. HPEX Head Pull Test

Reliability Test Report						
Client	Product name: Adapter cable	Product model: 1.13 black adapter cable L=300mm female male pin				
Purpose Of The Test:	To confirm whether the product has any abnormal or defective phenomena.					
Test Items:	<input type="checkbox"/> Drop test	<input type="checkbox"/> Pull-out force test	<input checked="" type="checkbox"/> Pull-out force test 2			
Test Conditions	Fall from 1 meter height 3 times	Use a push-pull dynamometer to test the pull-off strength of the antenna rubber sleeve and the antenna foldina seat: \geq		Use a push-pull force gauge to test the pull-off strength of the crimping part of the antenna IPEX head: 1.13 line \geq 1.5ka 0.81 line \geq 0.81ka		
Test Period						
Test Quantity	5pcs					
Test Requirement	Pull-off force \geq 15KG					
Test Results						
	Test Number	N1	N2	N3	N4	N5
	Result	1.85	1.96	2.1	2.05	1.97
	Judgment	Qualified	Qualified	Qualified	Qualified	Qualified
Result Judgment	<input checked="" type="checkbox"/> Result			<input type="checkbox"/> Result		
Judgment Criteria	<input type="checkbox"/> PASS			<input type="checkbox"/> FAIL		
Remarks	<input type="checkbox"/> GB2423.1-2001/GB2423.2-2001/GB2424.13-2002			<input type="checkbox"/> Customer		
	Created: Date:	Confirmed: Date:			Review: Date:	