

规格承认书 SPECIFICATION FOR APPROVAL

				日期	
				DATE: _	2022.05.18
				版本 REV.:_	Α
客 户 CUSTOMER:			时空奇点	<u> </u>	
客户料号 CUSTOMER P/N:					
品 名 PART NAME:	内置2.4G PCB天线 1.13黑色L=150mm with RF CONN for B100 BT				
供方料号 SUPPLIER P/N:					
送样日期Date:			送样数量Q'TY	: P	'cs
	客户确	认CUSTO	MER APPROV	/ED BY	
核准		审核			确认
Approvaled by		Checked by		Cor	nfirmed by

拟制 Prepared by Cindy

ZX-QT-RD-0011-A1

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核准

Approvaled by

Andy

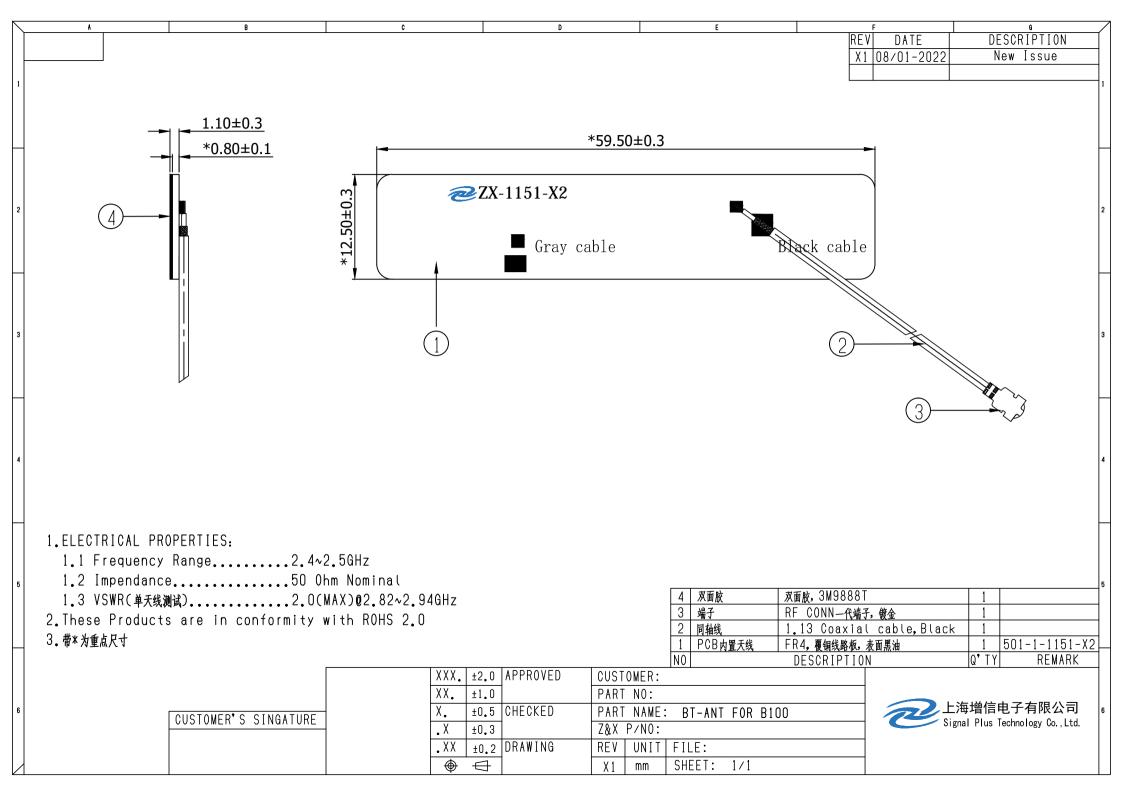
供方确认SUPPLIER SIGNATURE

审核

Checked by

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Antenna Test Report

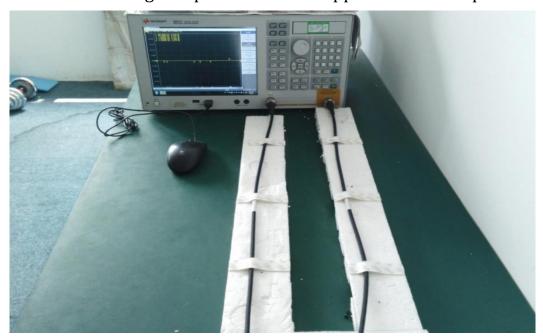
ZX-1151-X2

1. RF Fixture Experiment

1.1 Test Setup

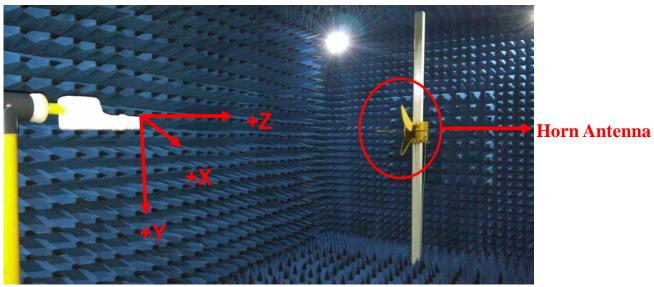
1.1.1 VNA Test Setup

VSWR and Return Loss measurements (S11) were performed using an KeySight E5071C Network Analyzer. The isolation between antennas is also tested. The testing was performed with apparatus in free space.

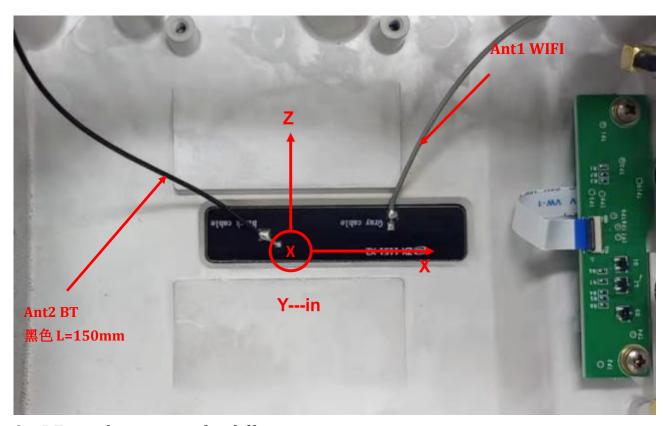


1.1.2 Anechoic Chamber Test Setup

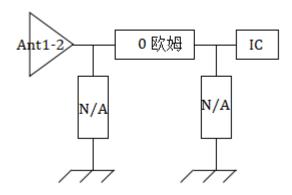
The gain of the antenna was measured in the anechoic chamber. The chamber provides less than –30 dB reflectivity from 400 MHz through 6 GHz. The chamber size is:7m*4m*3m. The measurement results are calibrated using a leaky wave horn standard. We can measure the antenna gain and efficiency accurately.



2.Antenna Solution



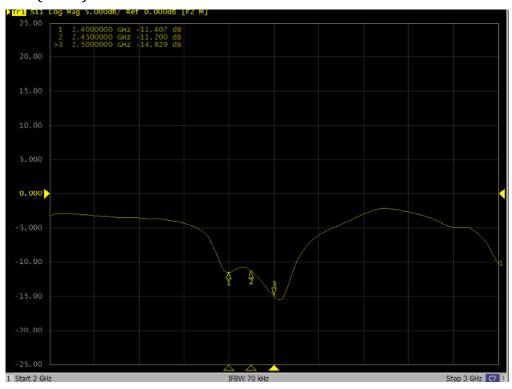
2. RF matching circuit for different antennas



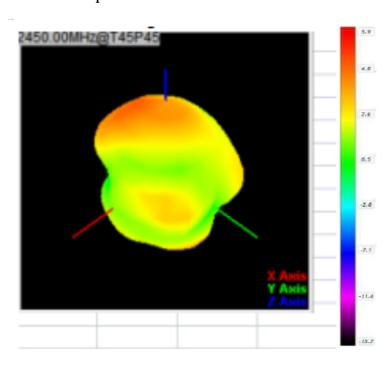
Ant2-BT:

Freq (MHz)	Gain (dBi)	Effi (%)
2400	4.30	47%
2450	4. 41	45%
2500	4. 48	44%

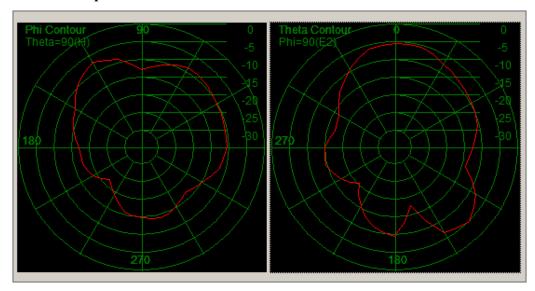
S11(Ant2)



Radiation patterns:3D



Radiation patterns:2D



S21(Ant1-Ant2)

