

承认书

Manufacture Name: Dongguan Tengchen Electronic Technology Co., Ltd.

Product Number: NB2400-ZH120BX

Product Name: 2.4G antenna

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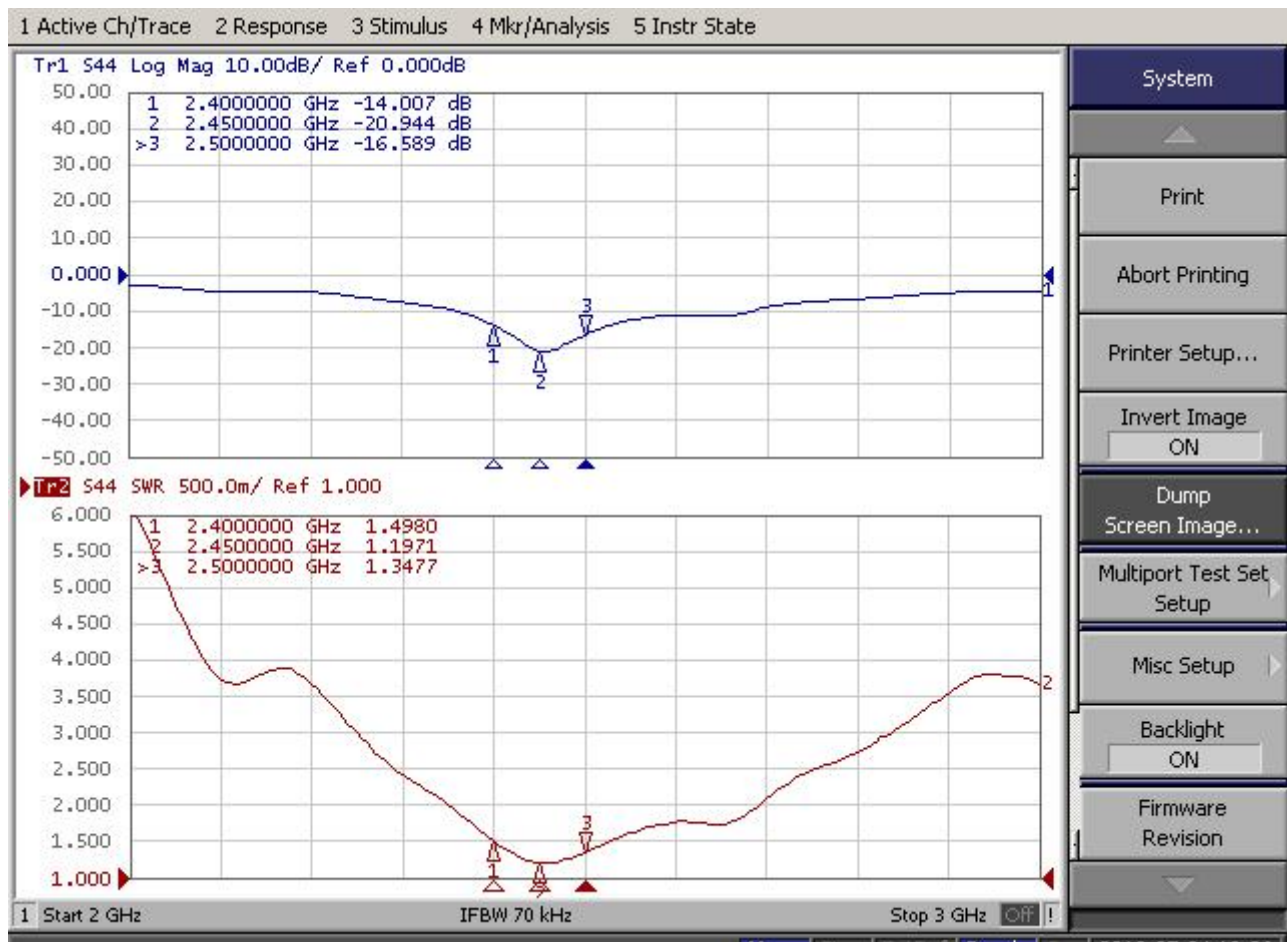
Revision History

Revision	Date	Change Notification	Description
1.0	2020.5.19		

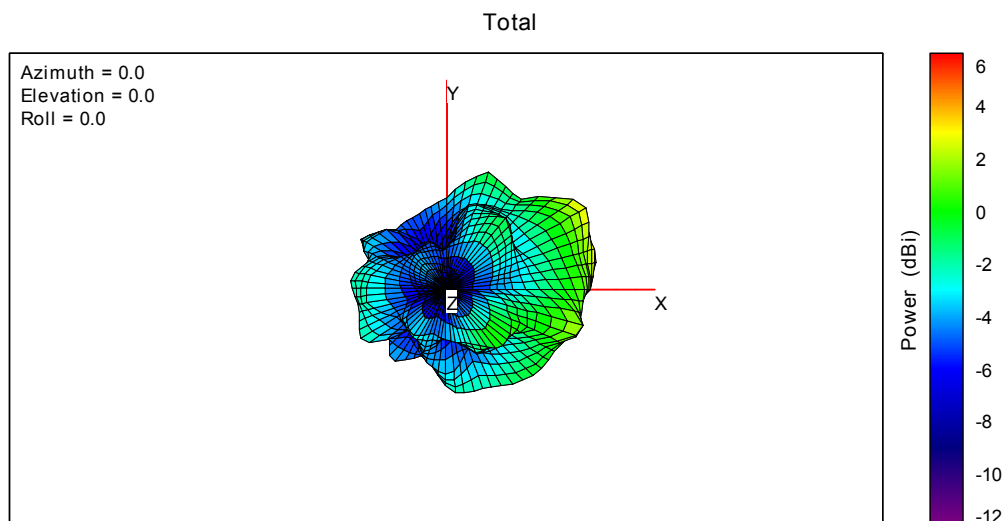
Specification

A. Electrical Characteristics	
Frequency	2400 ~ 2500 MHz
S.W.R.	≤ 2.0
Efficiency(%)	$\approx 50\%$
Polarization	Linear
Impedance	50 Ohm
B. Material & Mechanical Characteristics	
Material of Radiator	external antenna
Cable Type	O.D1.13
Connector Type	Mini connector
Connector Pull Test	$\geq 1\text{Kg}$
C. Environmental	
Operation Temperature	- 40 °C ~ + 65 °C
Storage Temperature	- 40 °C ~ + 80 °C

Antenna - S Parameter Test Data



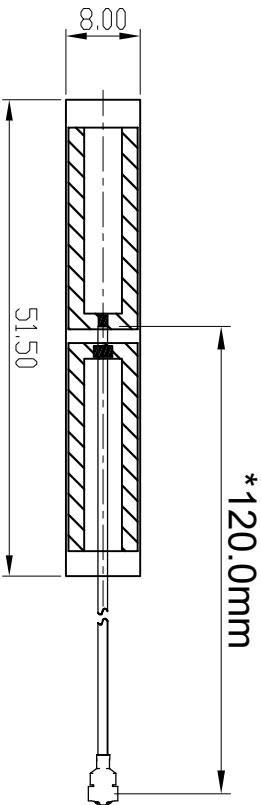
Antenna - Radiation Pattern Test Data



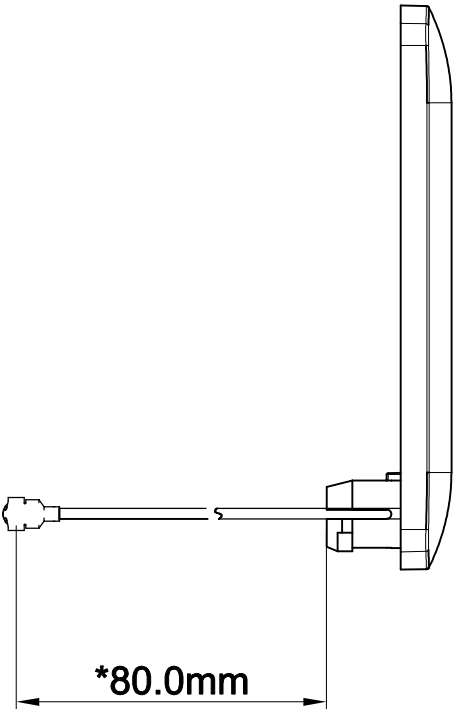
Total	Point Values	Ant. Port Input Pwr. (dBm)	Tot. Rad. Pwr. (dBm)	Peak EIRP (dBm)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
	Frequency (MHz)							
	2400	0	-2.41155	4.0988	6.51035	-2.41155	57.3912	4.0988
	2410	0	-2.41565	4.07228	6.48793	-2.41565	57.337	4.07228
	2420	0	-2.3546	4.18517	6.53977	-2.3546	58.1487	4.18517
	2430	0	-2.49526	3.98141	6.47667	-2.49526	56.2956	3.98141
	2440	0	-2.52875	3.88492	6.41367	-2.52875	55.8631	3.88492
	2450	0	-2.40366	3.92062	6.32428	-2.40366	57.4955	3.92062
	2460	0	-2.31472	3.85842	6.17314	-2.31472	58.6852	3.85842
	2470	0	-2.22337	3.80549	6.02887	-2.22337	59.9325	3.80549
	2480	0	-2.31098	3.51018	5.82116	-2.31098	58.7356	3.51018
	2490	0	-2.28983	3.38829	5.67813	-2.28983	59.0224	3.38829
	2500	0	-2.43997	3.11189	5.55186	-2.43997	57.0168	3.11189

Rohs

Compatible



2.4GHz天线 绿色PCB板厚 0.6mm
1. 13线黑色120MM+IPEX



Note:
1. Take " " is the important dimension.
2. Tolerance: Unmarked tolerance refer to the standard tolerance please.

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			

东莞市腾晨电子有限公司					
TITLE: ANTENNA-2.4GHz 绿色PCB板 黑色线					
PART NO.: NB2400-ZH120BX					
APP BY	CHK BY	DES BY	Tolerance		
		ZLB	UNITS: mm	X X	±0.3
		2019.3.13	SCALE: 1/1	X X X	±0.15
			REVISION: A	X	±1