

 深圳市乐其网络科技有限公司 Shenzhen Leqi Network Technology Co., Ltd.		document number:	
		第 1 页/共 7 页	
File Name	BF3262ADVx Antenna	Version	
	Parameter	A	

BF3262ADVx Antenna Parameter

1. DEFINITIONS

dBi	Decibel relative isotropic antenna
Tx	Transmit frequency
Rx	Receive frequency
VSWR	Voltage Standing Wave Ratio
GSM	Global Service for Mobile communication
DCS	Digital Communication System
PCS	Personal Communication System
CDMA	Code Division Multiple Access
WCDMA	Wideband Code Division Multiple Access
PHS	Personal Handy-phone System
SAR	Specific Absorption Rate
PCB	Printed Circuit Board
TBD	To Be Defined
P	Parallel connection
S	Series connection

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2. ELECTRICAL SPECIFICATIONS

(1) FREQUENCY BAND

Operating band

(2) IMPEDANCE

Nominal Impedance(including matching circuit) : 50 ohms

(3) MATCHING REQUIREMENTS

The matching circuit on the PCB of the handset is according to Figure 1-3.

Optimum matching circuit is highly dependent on the handset and thus.

Final matching circuit layout and values will be defined when handset is available.

(4) Return Loss

FREE SPACE

1-3

Freq.Band	spec
2.4GHZ	≤1.9
2.5GHZ	≤1.6

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※Measuring a 50Ω test jig is connected to a network analyzer to measure the VSWR.

※All test value is done in customer approval fixture.

3. MECHANICAL SPECIFICATIONS

3-1 MECHANICAL CONFIGURATION

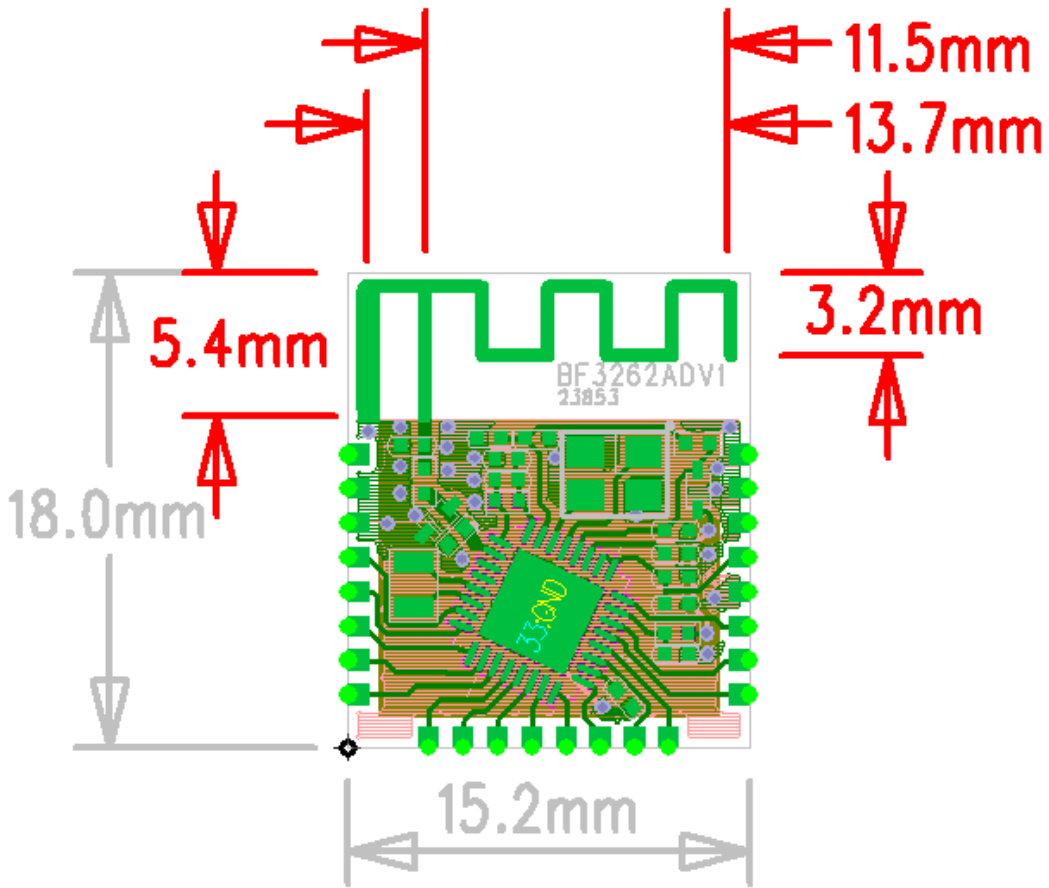
The appearance of the antenna is according to

4. ENVIRONMENTAL CHARACTERISTICS

NO.	ITEM	TEST CONDITION	SPECIFICATION
3-1	Low Temperature Test	1.Temperature: $-30\pm 2^{\circ}\text{C}$ 2.Time: 72hrs	No material deformation is allowed.
3-2	High Temperature Test	1.Temperature: $+85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 2.Time: 72hrs	
3-3	High Temperature/Humidity Storage Test(non operating)	1.Temperature: $+60 \pm 2^{\circ}\text{C}$ 2.Humidity: $93\% \pm 2\% \text{RH}$ 3.Time: 48hrs	
3-4	Salt-Spray Test	35°C, 85%RH, 48Hours(According to MIL-STD-810E) The salt-spray is generated from a 5% salt(NaCl) solution.,	NO appear rusting phenomenon is allowed
3-5	Tensile testing	Stretching ≥ 15 , to maintain the 10S.	No material deformation is allowed.

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5. PACKAGING



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6. APPENDIX

All of the specifications are shown as the attached files.

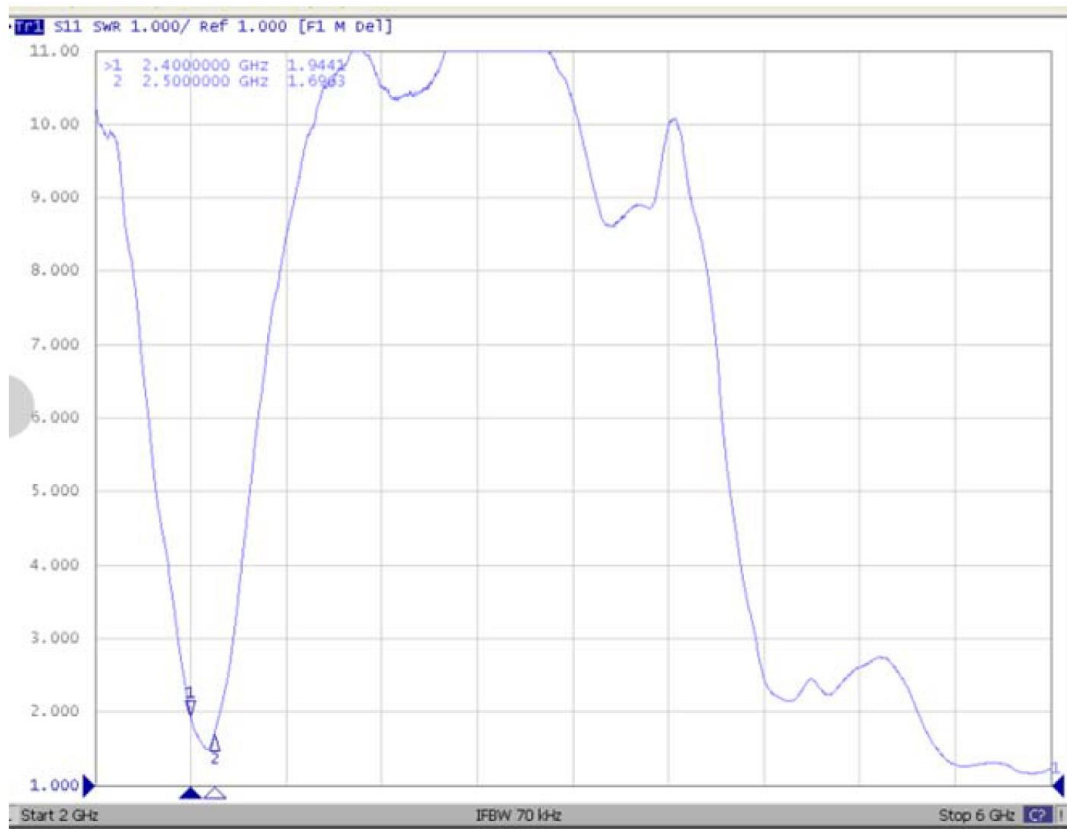
2.4G antenna passive data

Freq	Efficiency_Pcent	Gain
2400	56.06	2.96
2410	55.4	2.85
2420	51.08	2.56
2430	50.14	2.59
2440	48.23	2.4
2450	46.92	2.25
2460	48.53	2.16
2470	48.47	2.3
2480	45.05	2.06
2490	45.65	2.11
2500	45.22	1.93

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驻波图 (STATIONARY+WAVE+PATTERN)

2.4G 天线 VSWR



File Name

BF3262ADVx Antenna

Parameter

Version

A

2.4G 天线辐射图 (2.4G Antenna Radiation Pattern)

2.4G 天线辐射图

