

SPECIFICATIONS

PRODUCT NAME : Bluetooth Antenna

MODEL NAME : RA231HB8-ANT.

Designed	Checked	Approved	Shenzhen Bogesi Communication Technology Co.,Ltd.	
Jin xie			DOCUMENT No.	SS07601-BGS01
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1. ANT Features

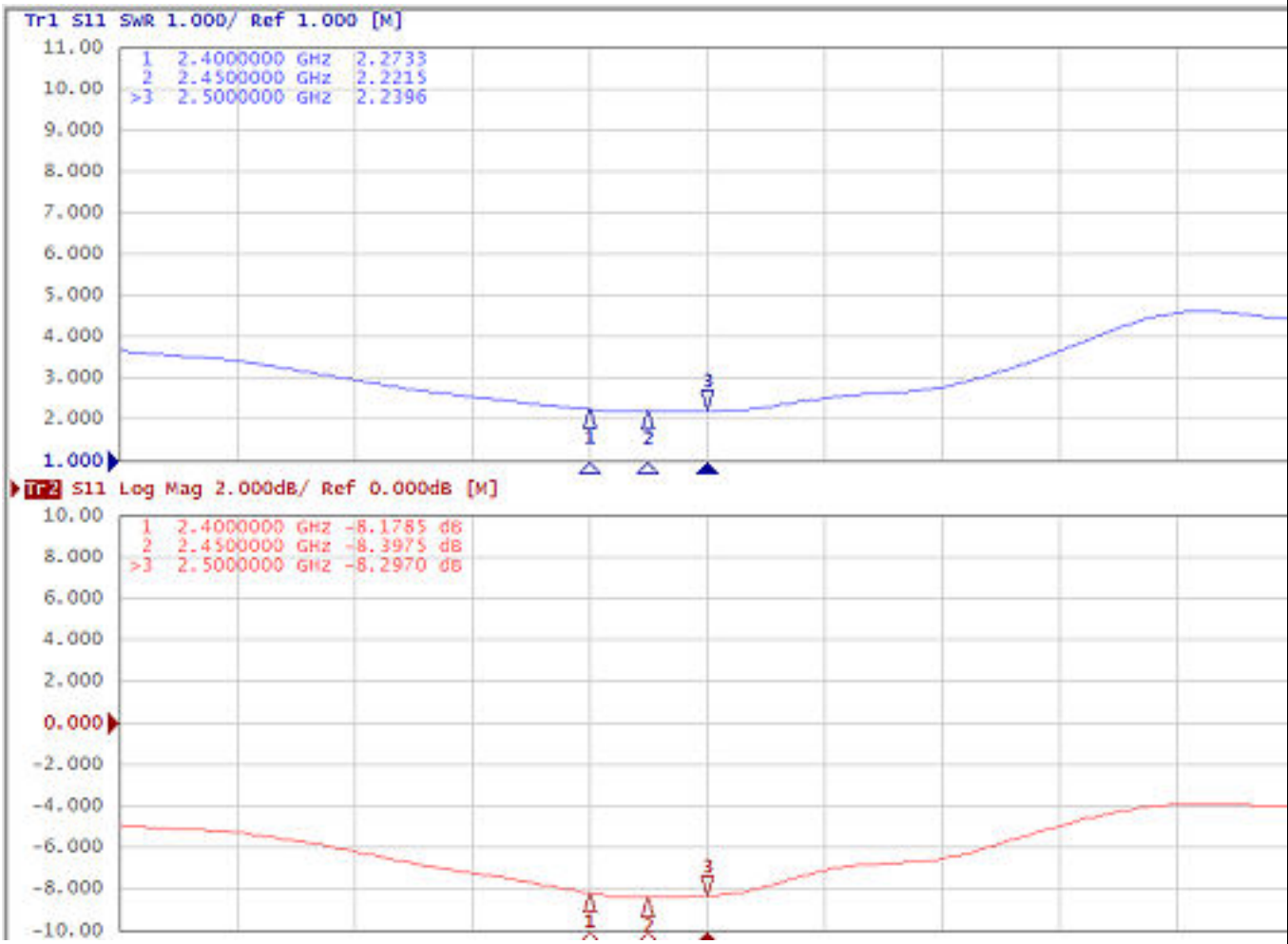
- BLE ANT
- Main Frequency: 2.45GHz
- Frequency range
: From 2.412~2.485GHz
- Operating temperature range
: -35 to +95°C (typ.)
-ANT material:Phosphor Bronze

2. Antenna Characteristics

- Dual Band ANT1

Antenna Performance				
Parameter	Min	Typ	Max	Unit
Frequency Range	2412	2450	2485	MHz
Directivity	-	Omni	-	-
Full Bands Average Gain	-	0.37	-	dBi
Full Bands Peak Gain		-	1	
V.S.W.R	-	-	3:1	Under
Impedance		50		Ohm
Radiation Material		Phosphor Bronze		

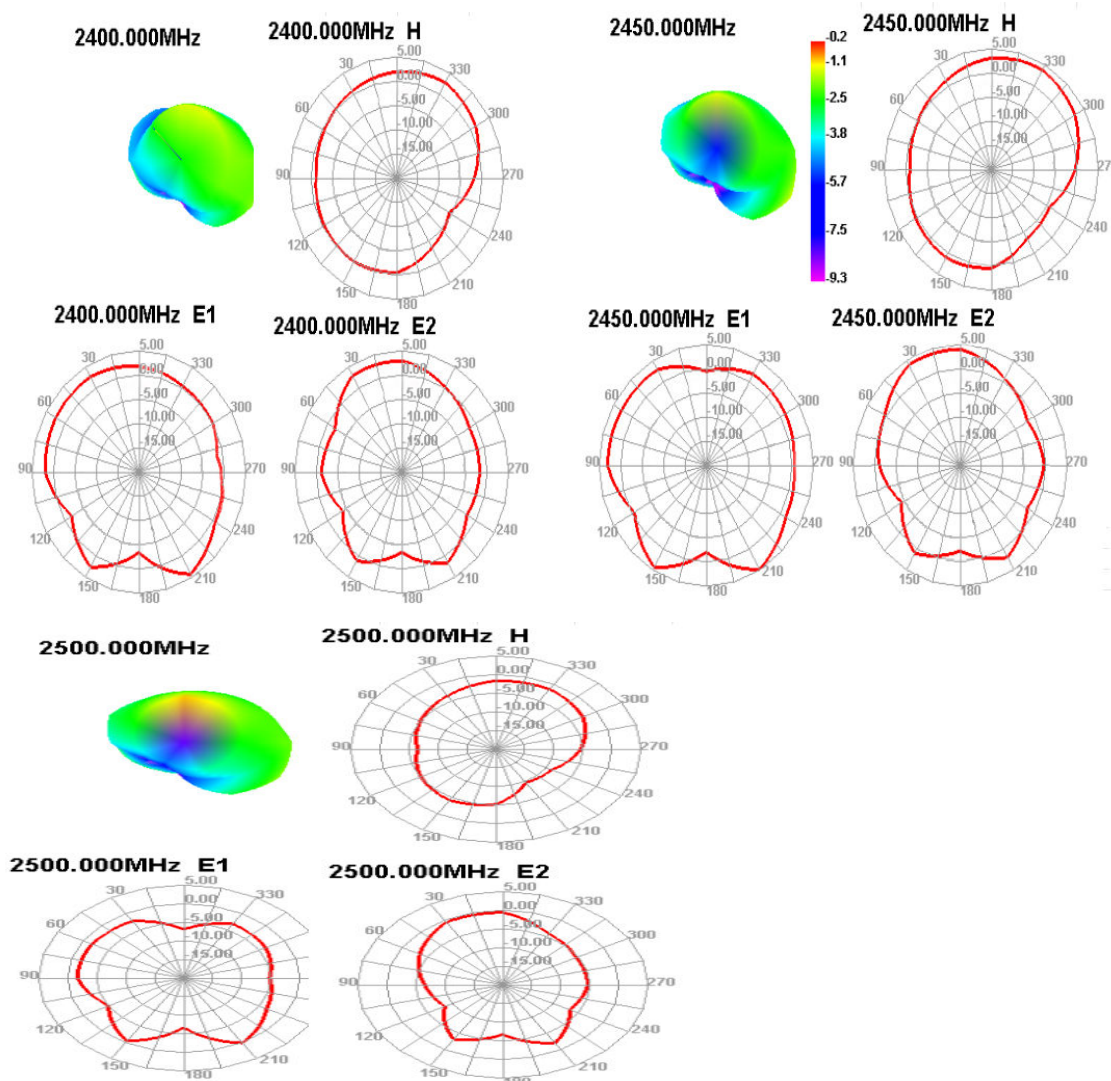
2.1 Network Data



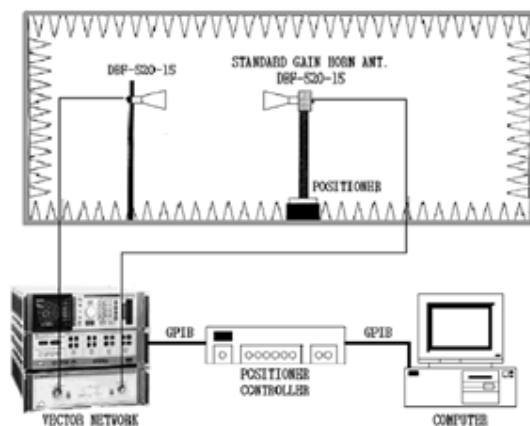
2.2. Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)
2400	34.25	0.42
2410	36.8	1
2420	39.33	1
2430	41.12	0.59
2440	40.23	0.49
2450	40.82	0.51
2460	40.38	0.79
2470	41.68	0.1
2480	41.93	0.1
2490	44	-0.5
2500	43.31	-0.42

2.3. Radiation Pattern



3. ANT Test Condition



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4. Dimensions

