

承 認 書
SPECIFICATION FOR APPROVAL

料號
PART NUMBER : WAN2012F245C04

規格
DESCRIPTION : Chip Antenna 2012 L Ant 2.45G Type 04

版本
VERSION : V1.9

日期
ISSUE DATE : 2023/06/15

工 程 部 R&D CENTER		
承 認 APPROVAL	確 認 CHECKED	製 作 DRAWN
Ray	Tennyson	Snow



萬誠科技股份有限公司

112 台北市北投區立功街 151 號 1 樓

電話: (02) 2898-2220

傳真: (02) 2898-5055

OneWave Electronic Co., Ltd.

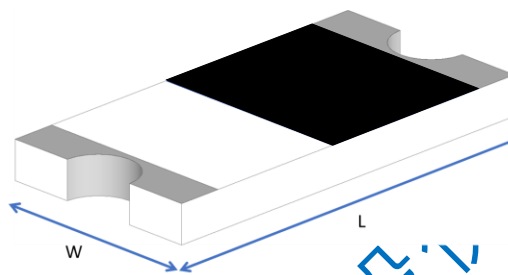
1F, No. 151, Li Gong Street, Beitou District,
Taipei City 112, Taiwan

TEL: +886 2 2898-2220

FAX: +886 2 2898-5055

2012 Chip antenna

For Bluetooth / WLAN Applications



P/N: WAN2012F245C04

	Dimension (mm)
L	2.05 ± 0.20
W	1.23 ± 0.20
T	0.45 ± 0.20

Part Number Information

WAN 2012 F 245 C 04
 A B C D E F

A	Product Series	Antenna
B	Dimension L x W	2.05X1.23mm (± 0.2mm)
C	Material	High K material
D	Working Frequency	2.4 ~ 2.5GHz
E	Feeding mode	PIFA & Single Feeding
F	Antenna type	Type = 04

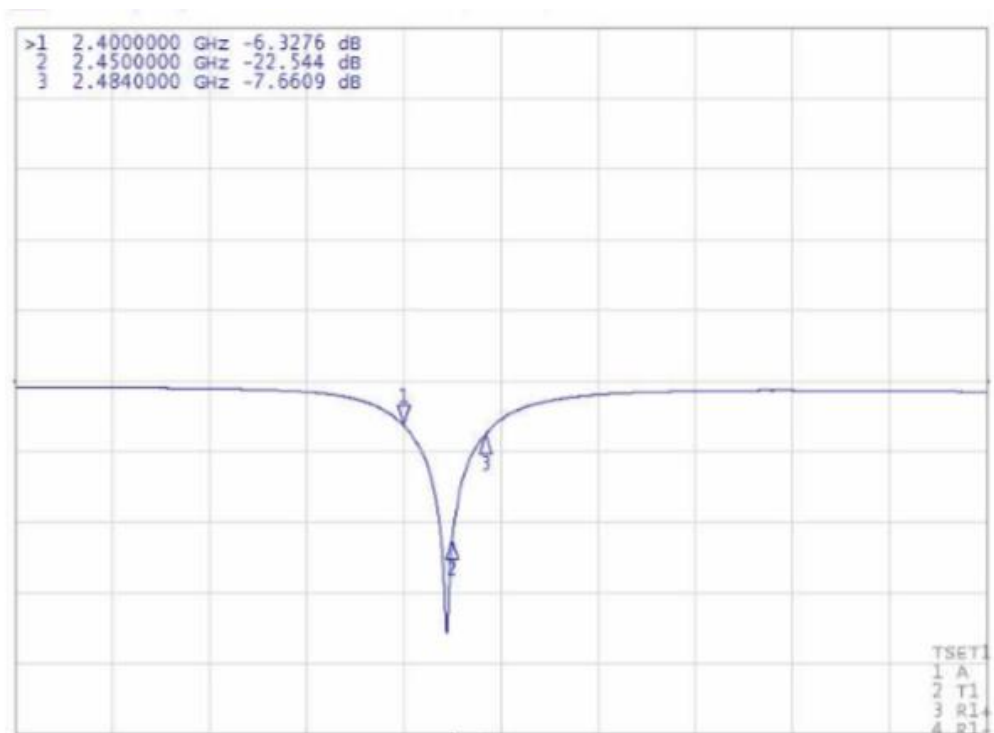
1. Electrical Specification

Specification		
Part Number	WAN2012F245C04	
Central Frequency	2450	MHz
Bandwidth	85 (Min.)	MHz
Return Loss	-6.5 (Max)	dB
Peak Gain	1.72	dBi
Impedance	50	Ohm
Operating Temperature	-40~+110	°C
Maximum Power	4	W
Resistance to Soldering Heats	10 (@ 260°C)	sec.
Polarization	Linear	
Azimuth Beamwidth	Omni-directional	
Termination	Cu / Sn (Leadless)	

Remark : Bandwidth & Peak Gain was measured under evaluation board of next page

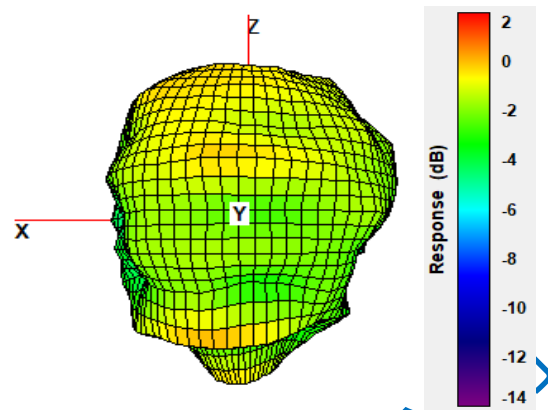
2. Measurement Results

Return Loss

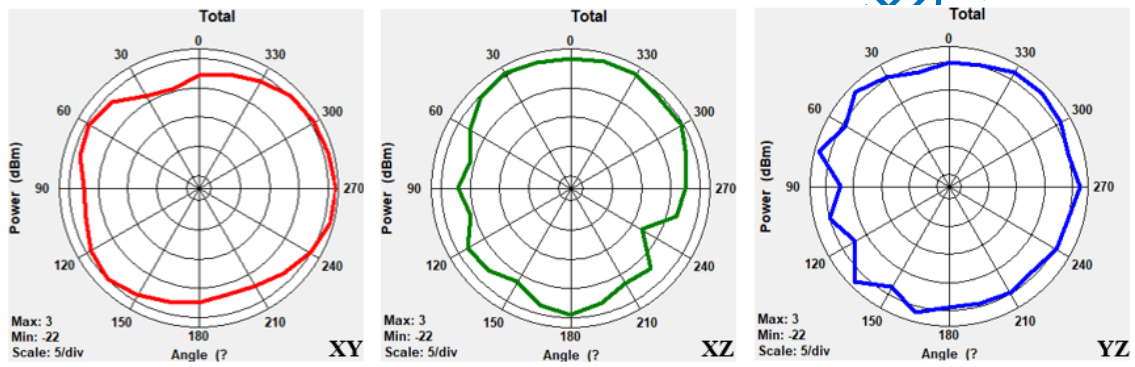


OneWave 萬誠科技

3D Radiation Pattern



2D Radiation Pattern



	Efficiency	Peak Gain	Directivity
2400MHz	63.12 %	1.62 dBi	3.61 dBi
2450MHz	70.56 %	1.72 dBi	3.23 dBi
2500MHz	65.48 %	1.64 dBi	3.47 dBi

Chamber Coordinate System

