

TW2S-Antenna Test Report

Message		
1	Product name:	TW2S
2	Ver:	A
3	Frequency:	2.402-2.481GHZ
Antenna Message		
4	Manufacture Company	OneWave Electronic Co., Ltd.
5	Manufacture Add:	2F., No.163, sec.1, Xi'an St., Beitou Dist.,Taipei City 112, Taiwan
6	Antena Type:	X=06,07,08 / Type=06,07,08
7	Antena Size:	3.2*1.6*0.45±0.2mm

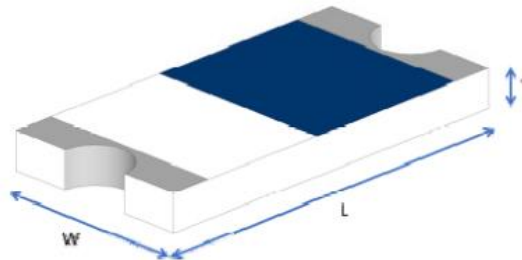
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6		
7		

TW2S-Antenna

3216 Chip antenna

For Bluetooth / WLAN Applications



P/N: WAN3216F245H0X

	Dimension (mm)
L	3.23 ± 0.20
W	1.66 ± 0.20
T	0.45 ± 0.20

TW2S-Antenna

Part Number Information

WAN 3216 F 245 H 0X
A B C D E F

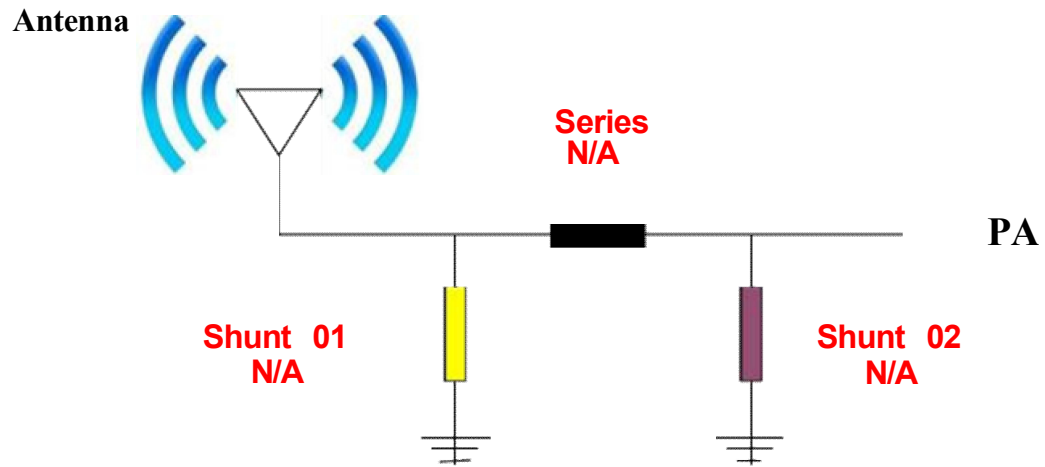
A	Product Series	Antenna
B	Dimension L x W	3.2X1.6mm (+-0.2mm)
C	Material	High K material
D	Working Frequency	2.4 ~ 2.5GHz
E	Feeding mode	PIFA & Single Feeding
F	Antenna type	X=06,07,08 / Type=06,07,08

1. Electrical Specification

Specification		
Part Number	WAN3216F245H0X	
Central Frequency	2450	MHz
Bandwidth	120 (Min.)	MHz
Return Loss	-6.5 (Max)	dB
Peak Gain	2.62	dBi
Impedance	50	Ohm
Operating Temperature	-40 ~ +85	°C
Maximum Power	4	W
Resistance to Soldering Heats	10 (@ 260°C)	sec.
Polarization	Linear	
Azimuth Beamwidth	Omni-directional	
Termination	Ni / Au (Leadless)	

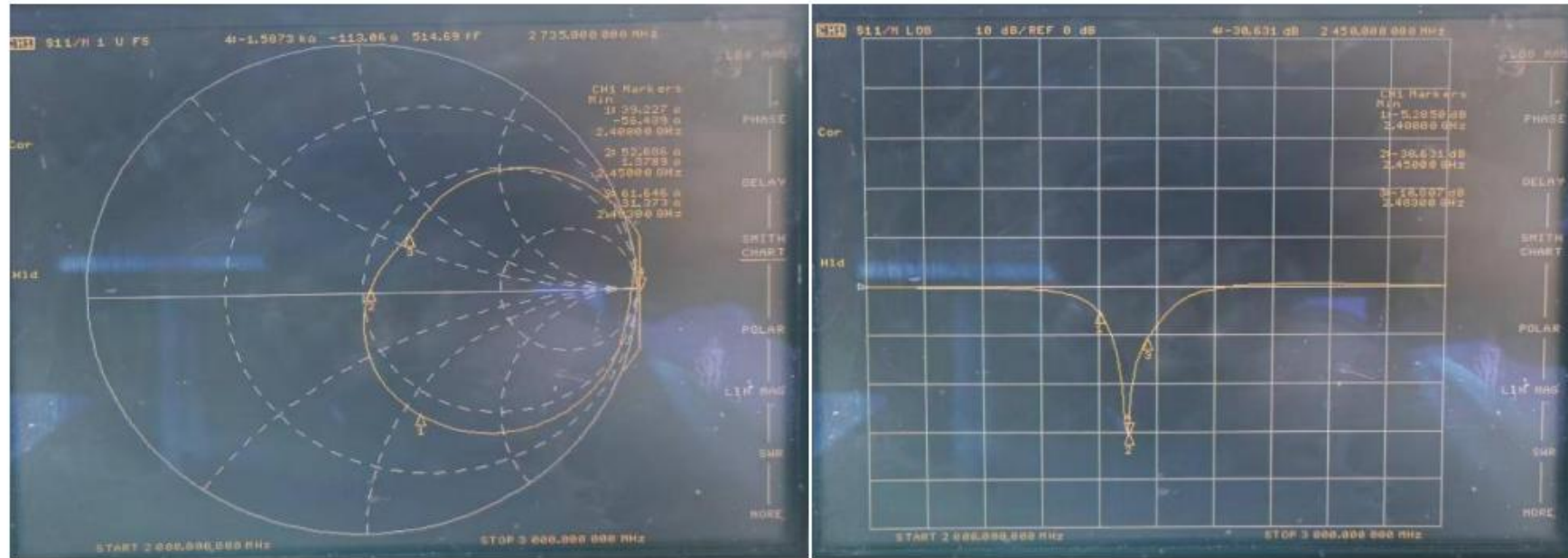
Main borad

Antenna Matching Network



Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

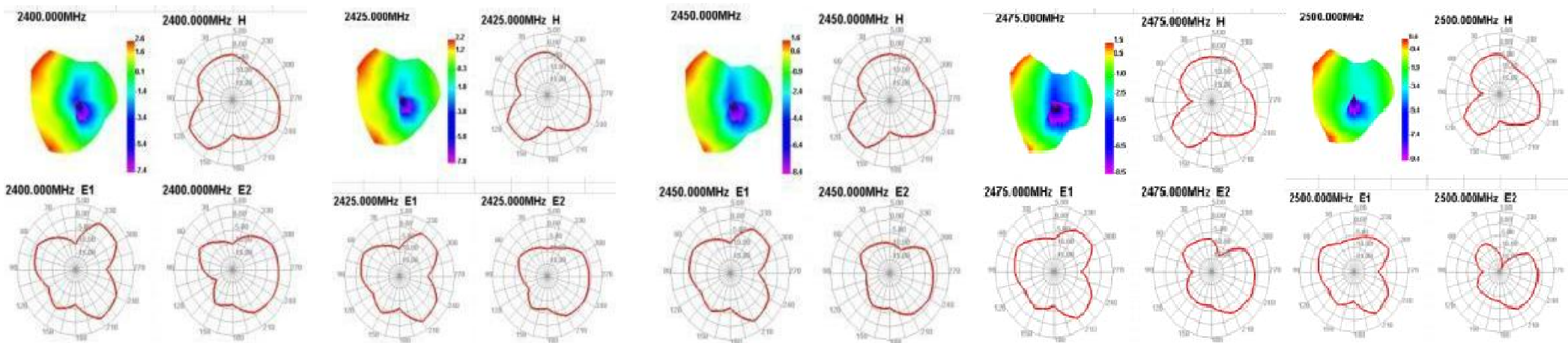
S11 SWR /Smith/ Log Mag



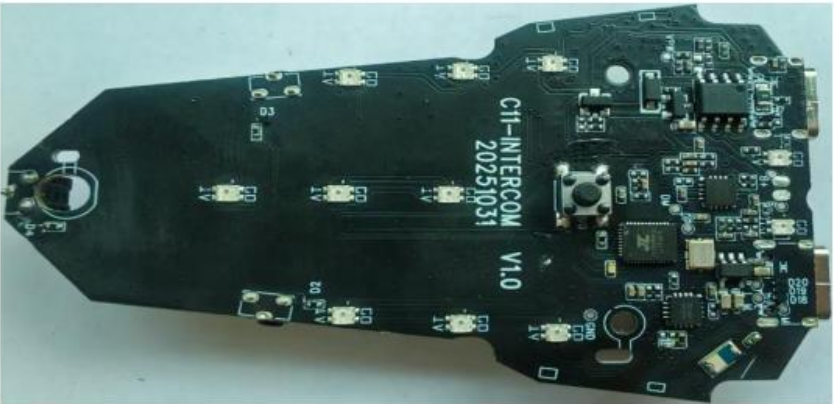
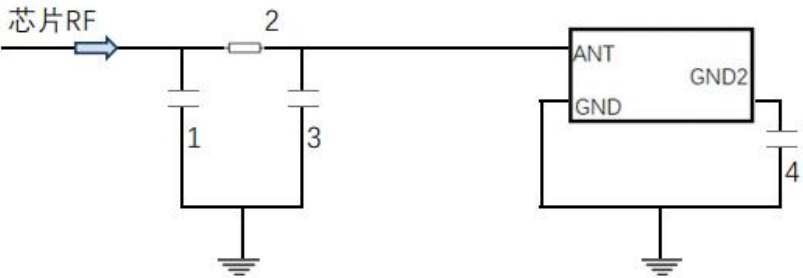
Fre.(MHz)	2400	2450	2483
S11(dB)	-05.28	-30.63	-10.80

Gain&Efficiency

Frequency (MHz)	Efficiency (%)	Efficiency (db)	Peak GAIN (dBi)
2400	55.49	-2.6	2.62
2425	58.21	-2.4	2.16
2450	56.29	-2.5	1.6
2475	54.63	-2.26	1.46
2500	46.04	-3.37	0.61



Test Photo



客户名称:	毅龙实业				
项目名称:	C11-INTERCOM-V1.0(参数1)				
主控芯片:					
调试日期:	20260109				
匹配物料编号:	物料规格尺寸	匹配参数值	物料名称	物料品牌	贴片位号
1	0402	NC			
2	0402	0R	贴片电阻		
3	0402	2.2pF	贴片电容	村田	
4	0402	1.8nH	贴片电感	村田	
ANT	WAN3216F245H08			万诚天线	

Thanks