

产品规格承认书

SPECIFICATIONS

客户:

CUSTOMER: _____

产品名称:

DESCRIPTION: _____ PCB antenna

客户型号:

CUSTOMER PART No: _____

产品型号:

OUR MODEL NO: _____ PCB 3216

日期:

DATE: _____

确认签字, 盖章后请返回承认书一份

PLEASE RETURN TO US ONE COPY OF “SPECIFICATION FOR APPROVAL”

WITH YOUR APPROVED SIGNATURES

Approved	LiuFei	Audit	LiuFei	Making	LiuXiaoMei
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Customer Acknowledges Signature	
Date	

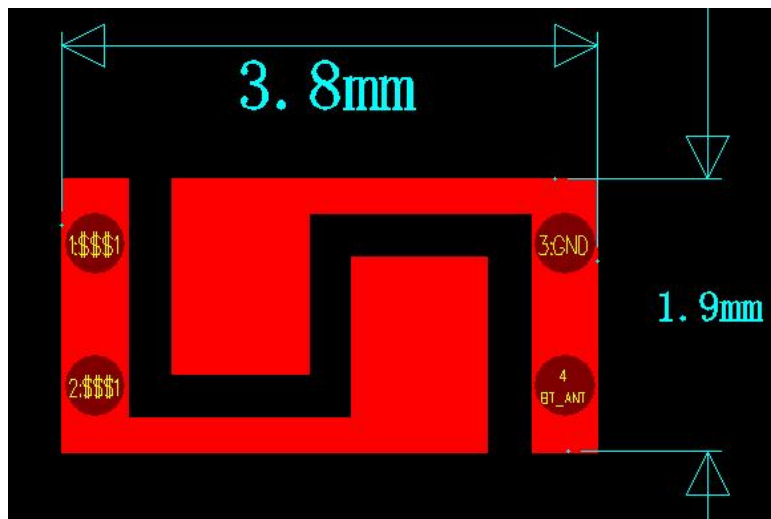
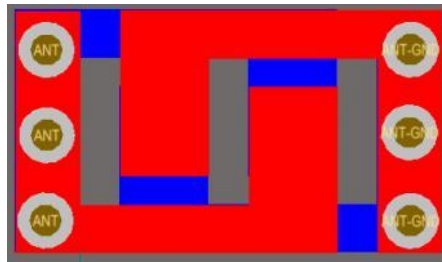
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DESIGNED BY: Sera	APPROVED BY: XD		
TITLE: CHIP2450-3216 Specification		DOCUMENT NO.	SPEC REV.
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PCB 3216 Specification**1. FEATURES:**

- Light weight, compact
- Wide bandwidth, low cost
- Built-in antenna with high gain

2. APPLICATIONS:

- Bluetooth, Wireless LAN, Mobile TV
- Home RF System, etc

3. SHAPE AND DIMENSIONS: (Unit: mm)

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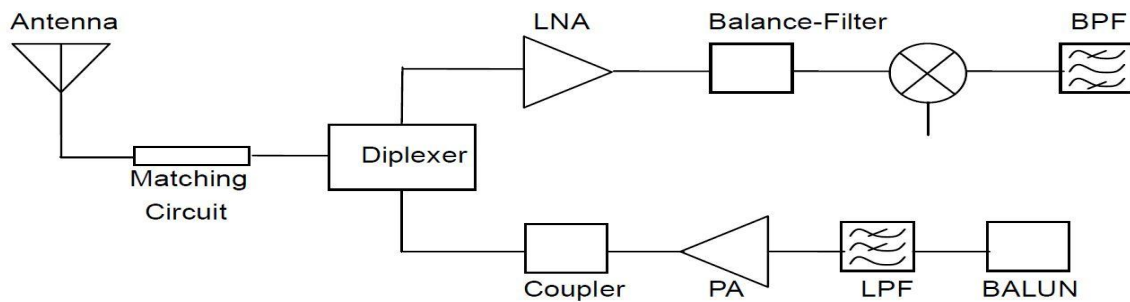
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APPLICATION GUIDE**4. SPECIFICATIONS:**

No.	Product number	PCB 3216	
1	Central Frequency	2440	MHz
2	Bandwidth	100 (Min.)	MHz
3	Return Loss	-10.96 (Max.)	dB
4	Peak Gain	-2.18	dBi
5	Impedance	/	Ω
6	Operating Temperature	-40~+85	$^{\circ}\text{C}$
7	Maximum Power	5	W
8	Resistance to soldering heat	10 (@260 $^{\circ}\text{C}$)	Sec.
9	Polarization	Linear	
10	Azimuth Beam width	Omni-directional	
11	Termination	Sn (leadless)	

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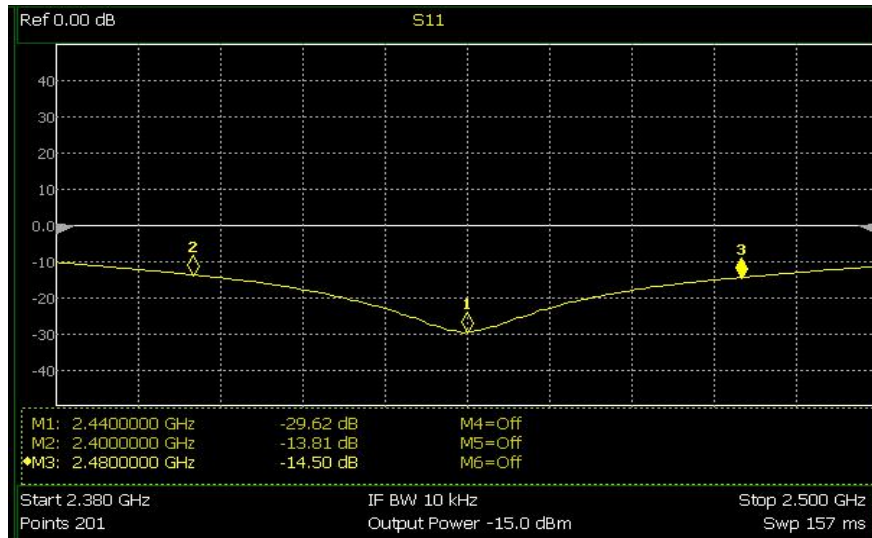
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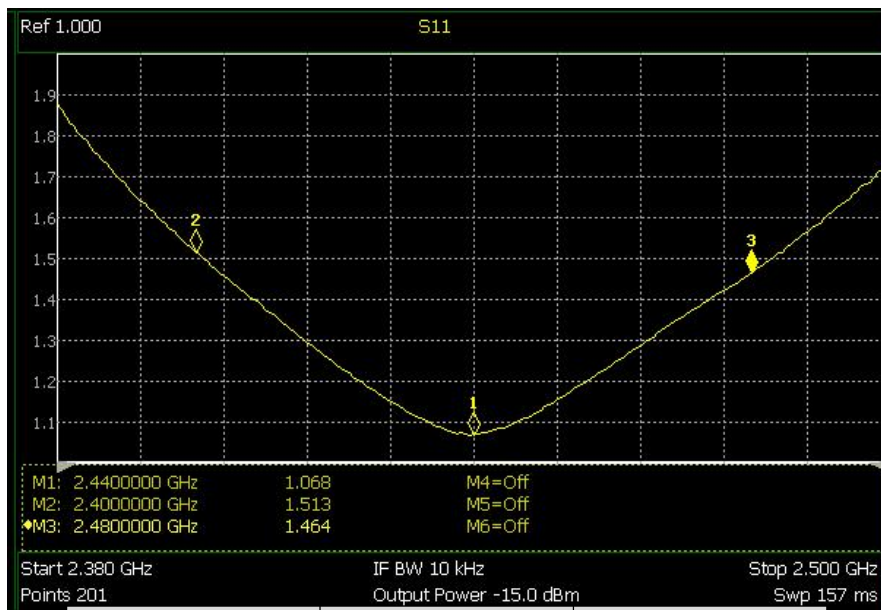
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5. Electrical Characteristics :

Return loss



Standing wave ratio



Mark	Frequency	VSWR
1	2400 MHz	1.513
2	2440 MHz	1.068
3	2480 MHz	1.464

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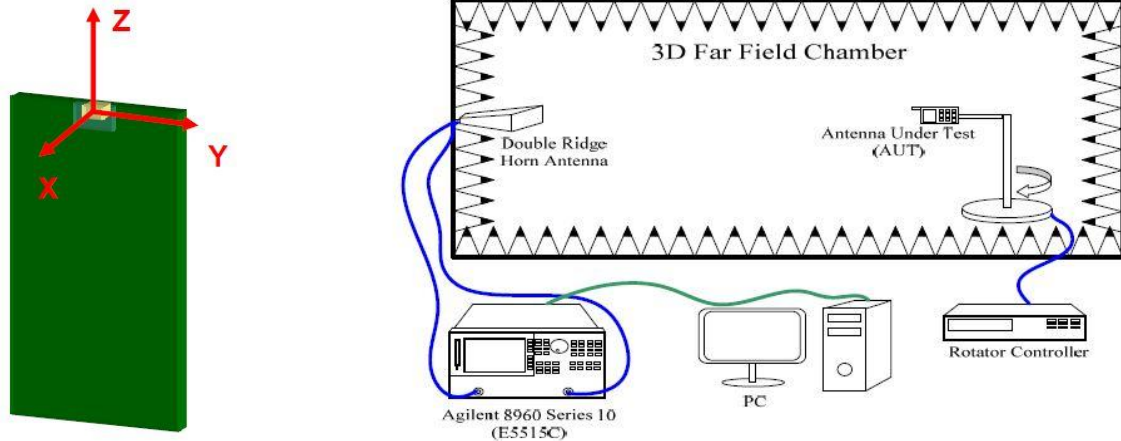
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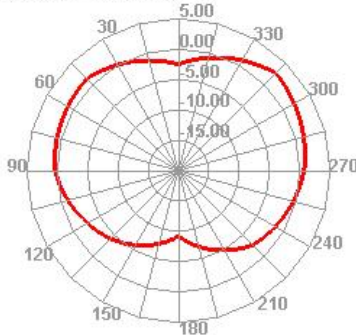
Radiation Pattern

The Gain pattern is measured in FAR-field chamber. DUT is placed on the table of rotator,a standard horn antenna and Vector Network Analyzer is used to collect data.

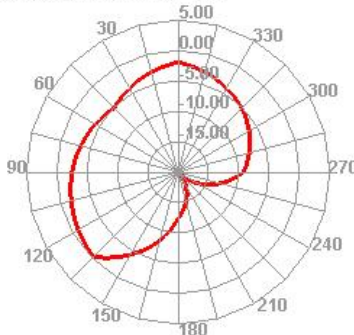


◎ 2D Gain Pattern (2400 MHz-2500MHz)

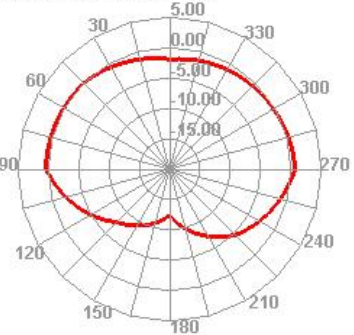
2400.000MHz H



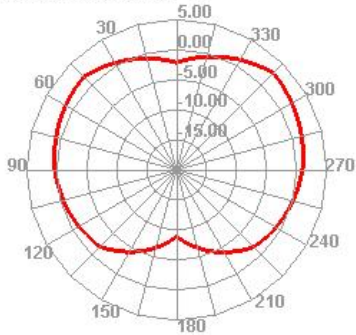
2400.000MHz E1



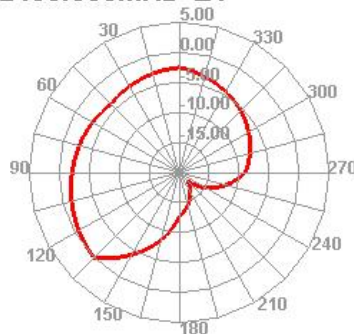
2400.000MHz E2



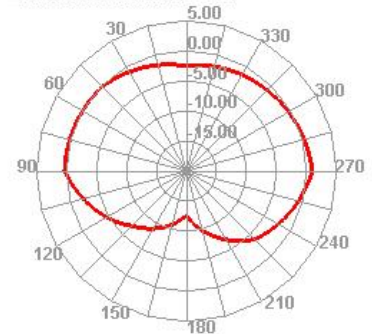
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



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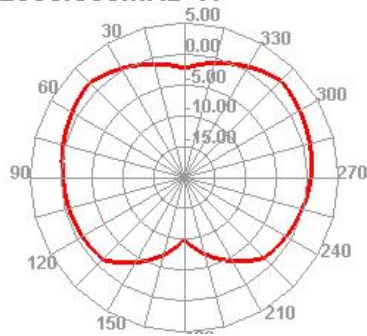
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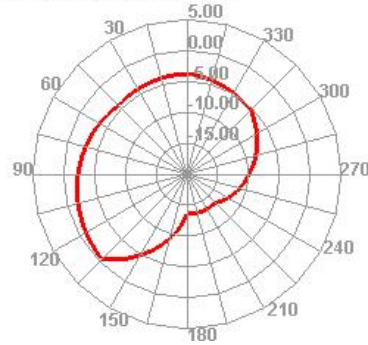
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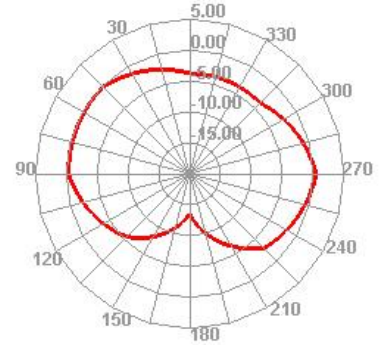
2500.000MHz H



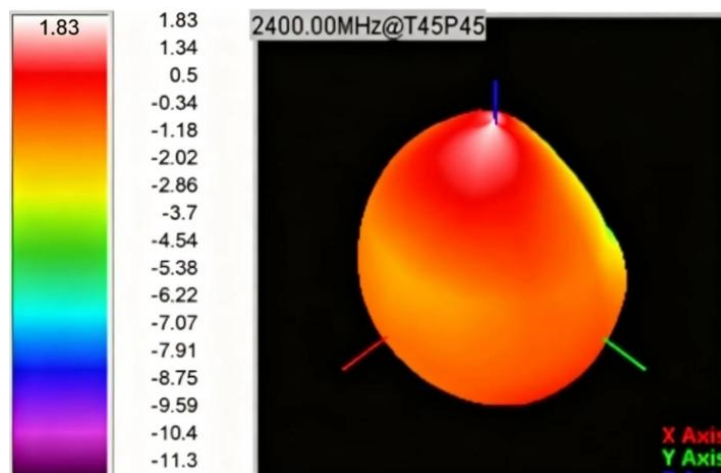
2500.000MHz E1



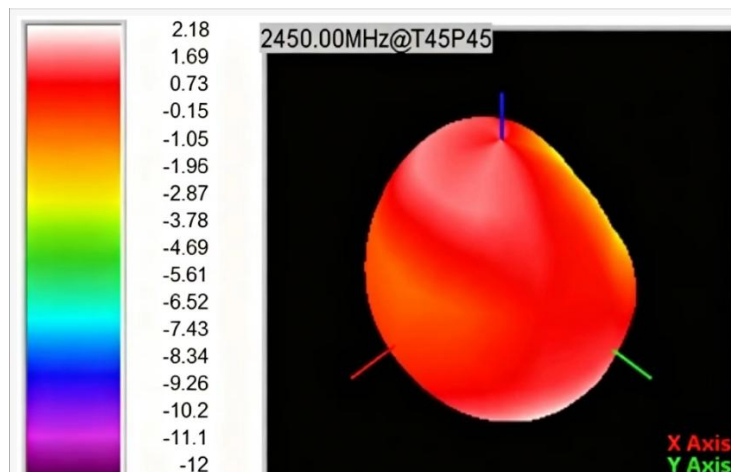
2500.000MHz E2



© 3D Gain Pattern (2400 MHz)



© 3D Gain Pattern (2450 MHz)



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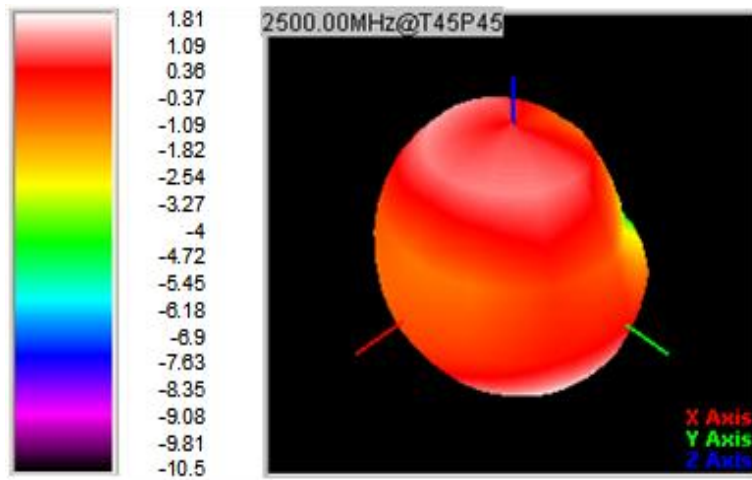
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© 3D Gain Pattern (2500 MHz)



3D Efficiency Table

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency (dB)	-2. 1	-2. 0	-1. 9	-1. 8	-1. 6	-1. 6	-1. 8	-2. 0	-2. 2	-2. 3	-2. 3
Efficiency (%)	56. 8	57. 1	58. 7	60. 3	62. 9	63. 5	60. 2	59. 8	56. 5	53. 6	50. 4
Gain (dBi)	1. 83	2. 29	2. 34	2. 45	2. 56	2. 18	2. 11	2. 03	1. 96	1. 86	1. 81

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