

2.4G Band ANT Solution

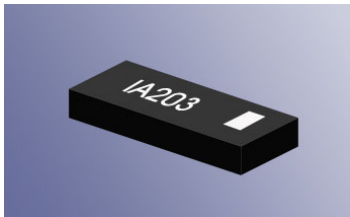
2.4GHz Antenna

P/N: IA2 0 3

Version: B

Date: Mar. 31, 08'

※SPECIFICATIONS

2.4G Antenna	
Frequency	2.4~2.483GHz
Dimension	5.2×2×1.2mm
Polarization	Linear
Pattern	Omni-Directional
Impedance	50Ω
Operating Temperature	-25 ~ +85°C

※KEY FEATURES

- ▶ Ultra-Thin, Light Weight (0.03g)
- ▶ Good Performance (Typical Gain=**2** dBi)
- ▶ Cost-Effective
- ▶ SMD Type

※APPLICATIONS

- ▶ Blue Tooth
- ▶ IEEE 802.11b/g
- ▶ ZigBee
- ▶ WiFi

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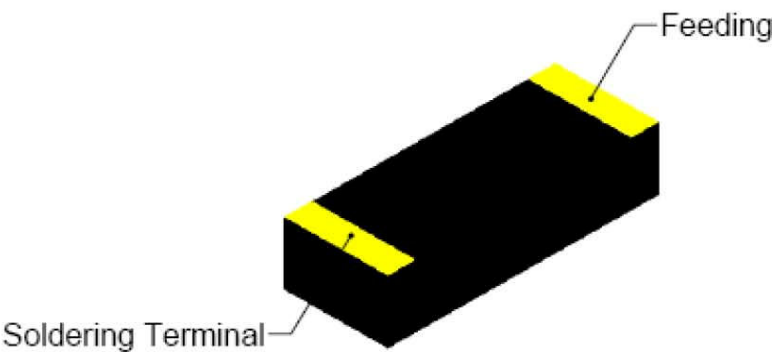
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※Dimensions

Figure		Dimension		Pad Definition
	L	5.2±0.1mm	-	-
	T	2±0.1mm	-	-
	H	1.2±0.2mm	-	-
	Pw	2±0.1mm	Pad Width	
	P1	0.5±0.1mm	Soldering Terminal	
	P2	0.5±0.1mm	Feeding	

※Construction (unit :mm)



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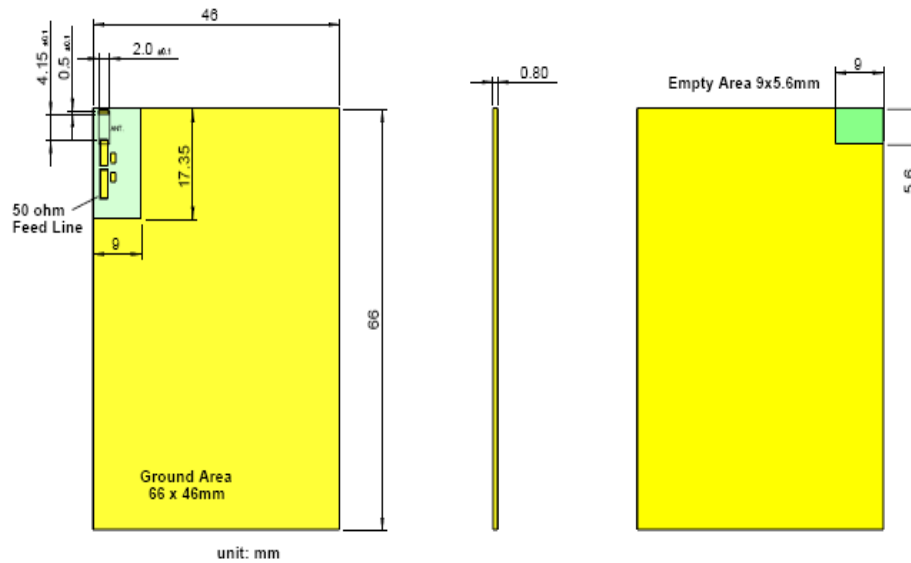
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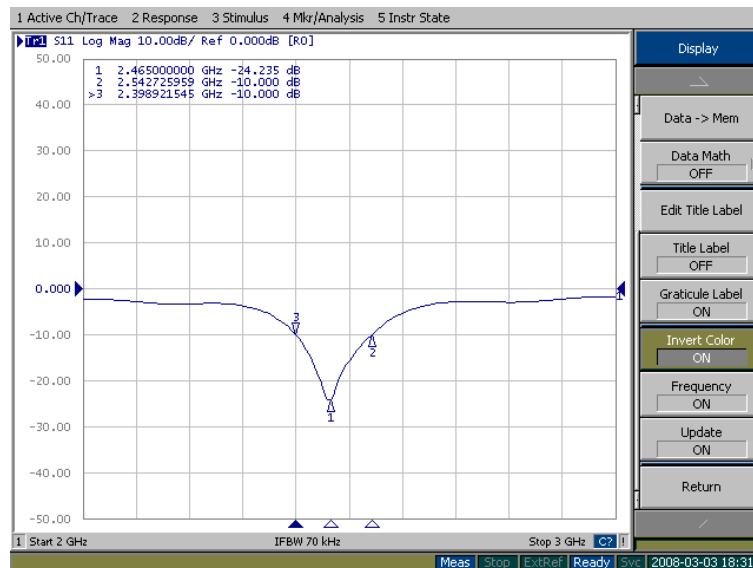
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※Empty Area



※S11



Remark: The test based on 2.4GHz ANT with EVB

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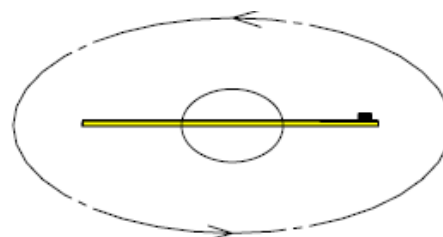
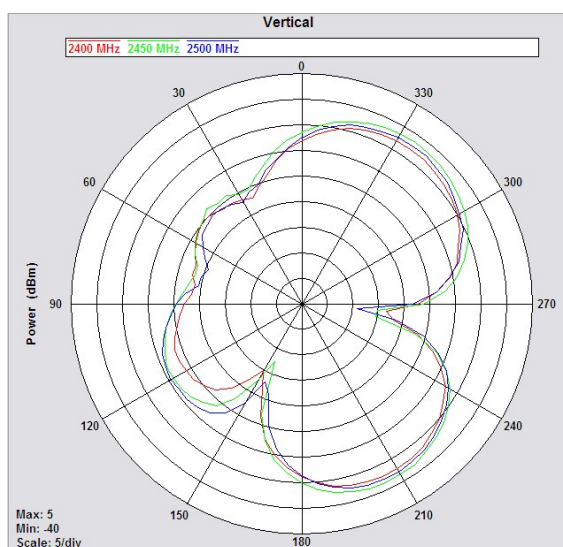
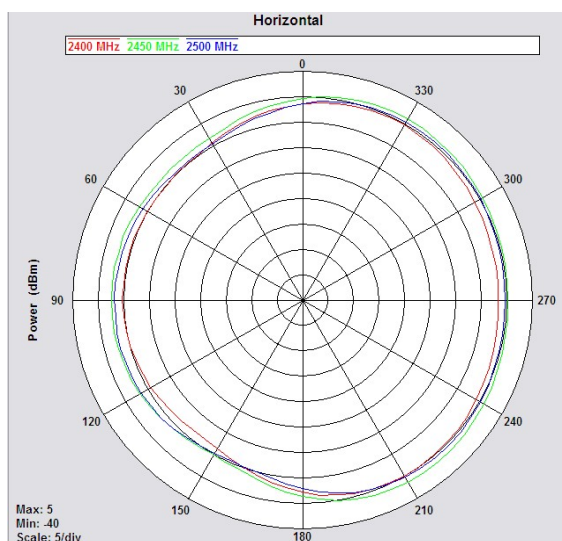
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✧ Gain Pattern (X-Z PLANE)



X-Z PLANE

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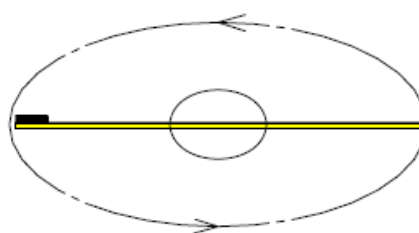
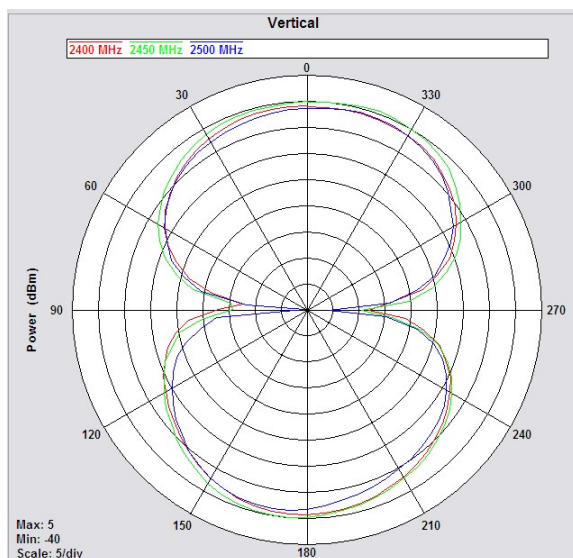
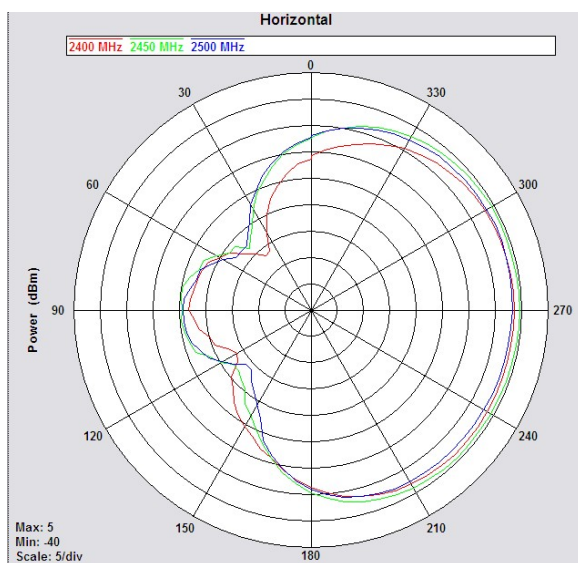
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✧ Gain Pattern (Y-Z PLANE)



Y-Z PLANE

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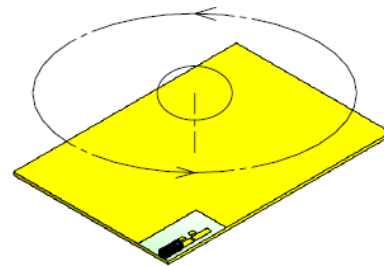
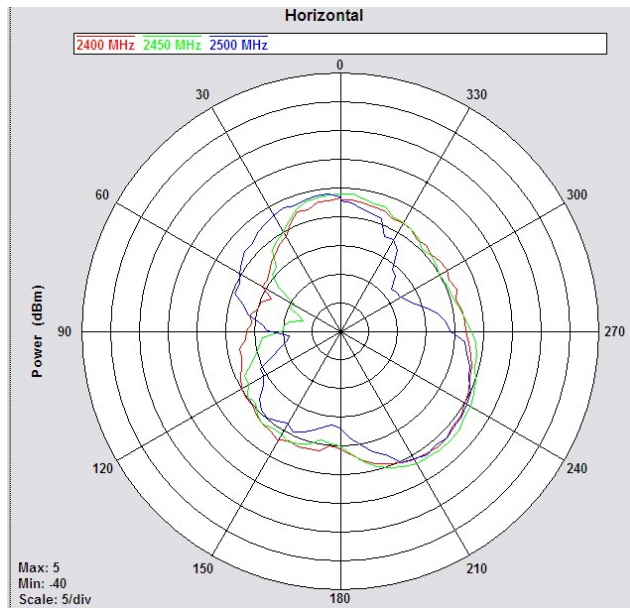
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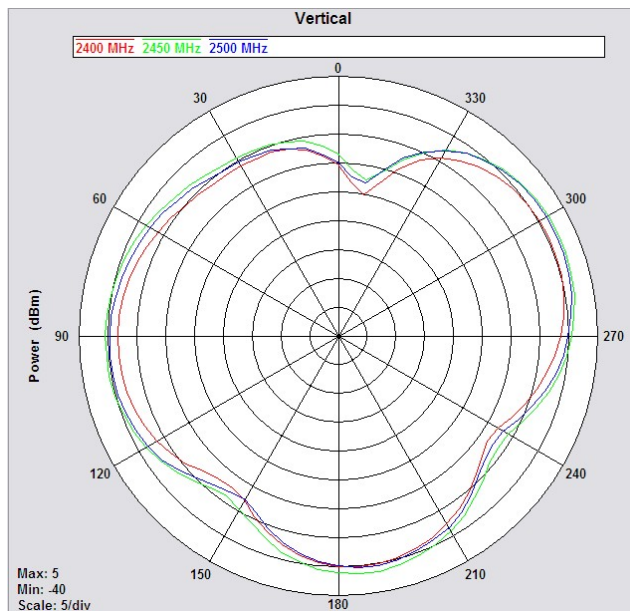
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✧ Gain Pattern (X-Y PLANE)



X-Y PLANE



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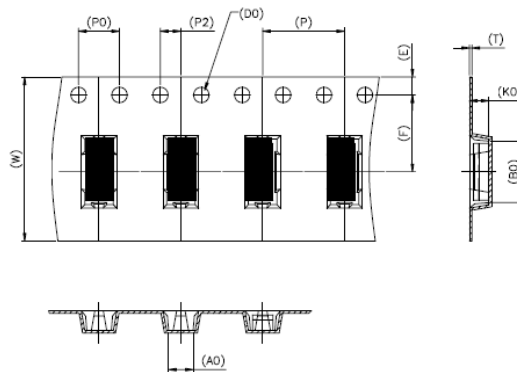
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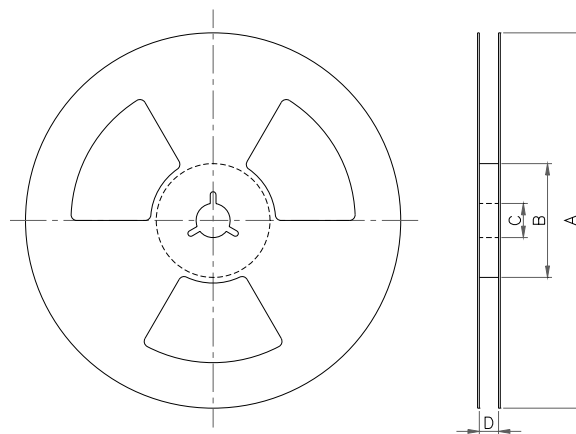
※Packing

Plastic Tape Specification (unit: mm)



Index	W	E	F	T	P	K0
Dimension(mm)	16.00 ± 0.30	1.75 ± 0.10	7.50 ± 0.10	0.25 ± 0.05	8.00 ± 0.10	1.90 ± 0.10
Index	P0	P2	D0	A0	B0	
Dimension(mm)	4.00 ± 0.10	2.00 ± 0.10	Φ1.50	2.40 ± 0.10	6.00 ± 0.10	

※Reel Dimensions



Index	A	B	C	D
Dimension(mm)	Φ330	Φ100	Φ13.5	17.0 ± 0.5

Taping Quantity: MOQ=4K pieces per 13" reel.