

### 2. Features

- \* Stable and reliable in performances
- \* Compact size
- \* RoHS compliance

# 3. Applications

\* IEEE802.11 (b/g/n).

\* Hand-held devices when WiFi (802.11 b/g/n) functions are needed.

#### 4. Description

Unictron's WW20D1 PCB antenna is designed for WiFi bands applications, covering frequencies 2400~2484 MHz. Fabricated with proprietary design and processes, WW20D1 shows excellent performance and is fully compatible.

## 5. Electrical Specifications

(Antenna is attached on a 2.0mm-thick ABS + PC material plate)

## 5-1. Electrical Table (2400~2484 MHz Band)

Characteri	stics	Specifications	Unit						
Outline Dimensions		20.0 x 7.0 x 0.5	mm						
Working Frequency		2400~2484	MHz						
VSWR		2.0 Max.(typical)							
Characteristic Impedar	ice	50	Ω						
Polarization		Linear Polarization							
Peak Gain	(@2442 MHz)	4.0 (typical)	dBi						
Efficiency	(@2442 MI⊓Z)	64 (typical)	%						



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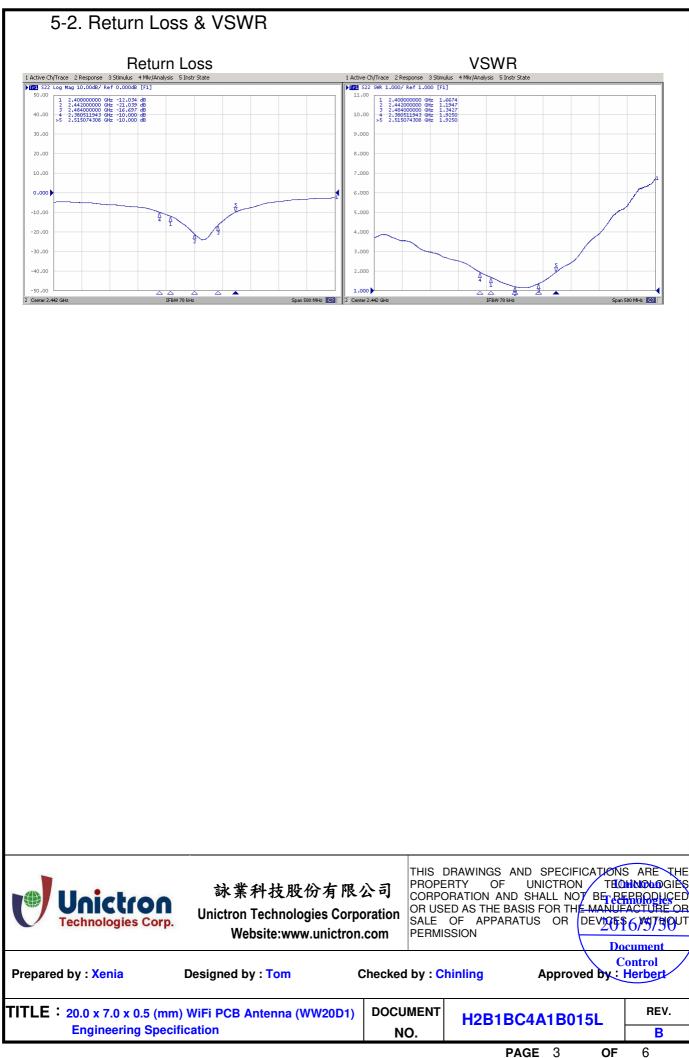
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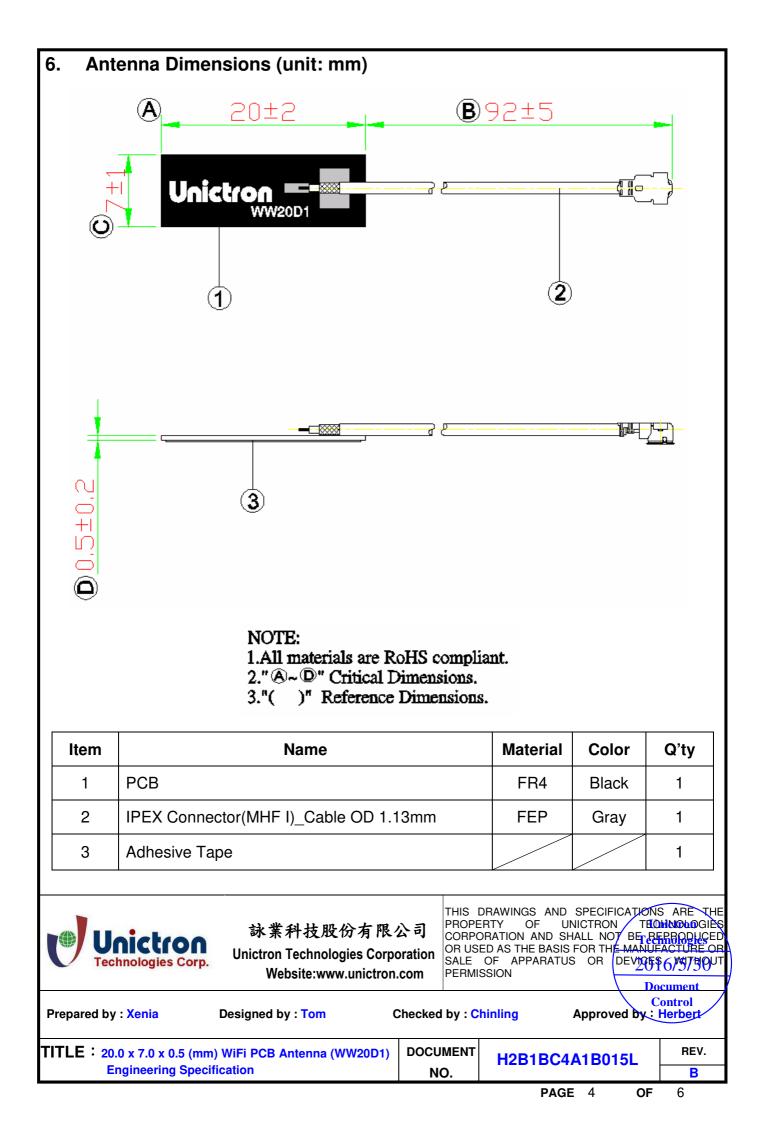
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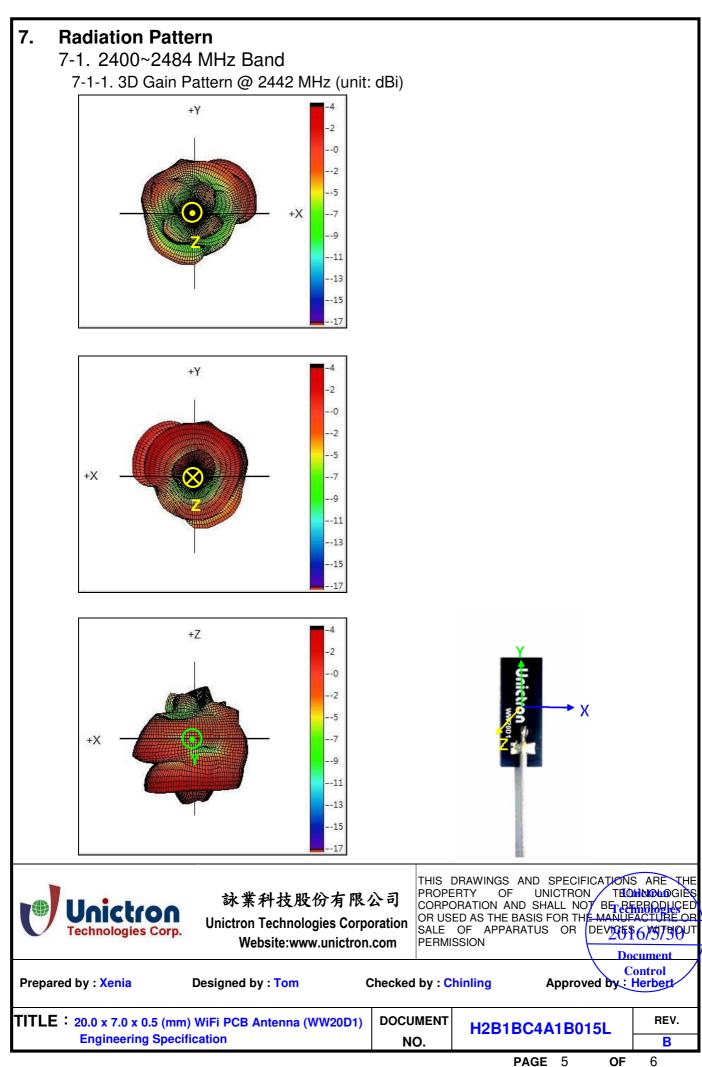
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Approved by : Herbert







7-1-2. 3D Efficiency Table															
Frequency(MHz)	2400	2412	2417	2422	2427	2432	2437	2442	2447	2452	2457	2462	2467	2472	2484
Efficiency(dB)	-2.5	-2.4	-2.3	-2.2	-2.2	-2.1	-2.0	-2.0	-1.9	-1.8	-1.7	-1.6	-1.6	-1.6	-1.7
Efficiency(%)	56.2	57.0	58.4	60.5	60.9	61.7	62.5	63.8	63.9	66.2	67.1	68.6	69.4	68.6	66.9
Peak Gain(dBi)	3.5	3.7	3.8	3.9	3.9	4.0	4.0	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5

