

5-2. Electrical Specifications (with 135 x 41 mm² Evaluation Board) 5-2-1. Electrical Table

Characteristics	Specifications					
Outline Dimension (mm)	40.0 x 7.0 x 3.0					
Ground Plane Dimension (mm)	119.4 x 41					
Working Frequency (MHz)	698 ~ 798	824 ~ 960	1710 ~ 2170	2300 ~ 2400	2490 ~ 2690	
Peak Gain (dBi) (typical)**	2.3	2.1	6.4	6.8	5.8	
Efficiency (%) (typical)**	75	67	76	77	74	
VSWR (@ center frequency)*	<3.5 : 1					
Characteristic Impedance (Ω)	50					
Polarization	Linear Polarization					

*Center frequency means the frequency with the lowest value in return loss of the chip antenna on the evaluation board.

**A typical value is for reference only, not guaranteed.

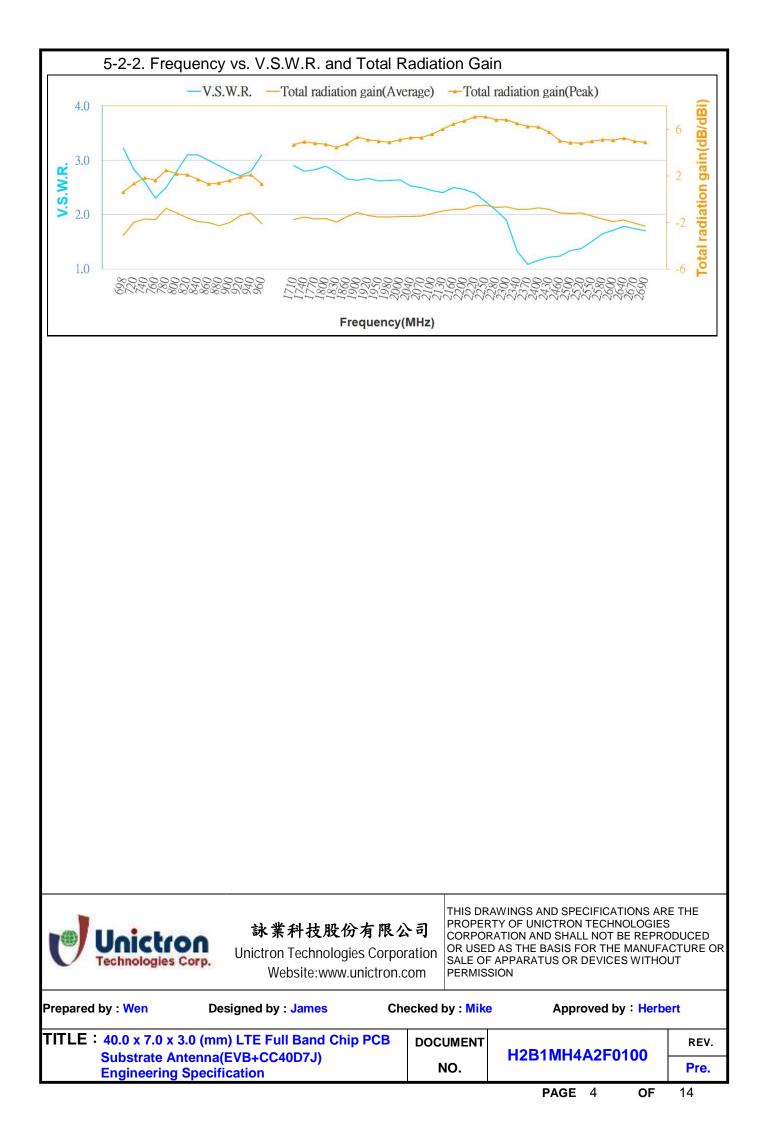


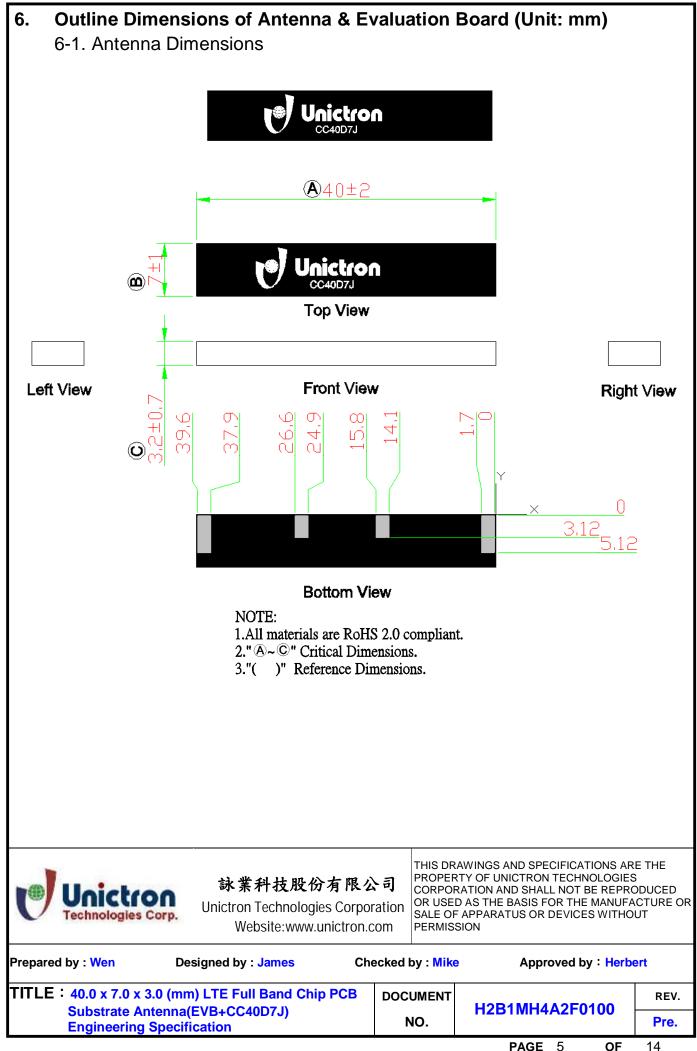
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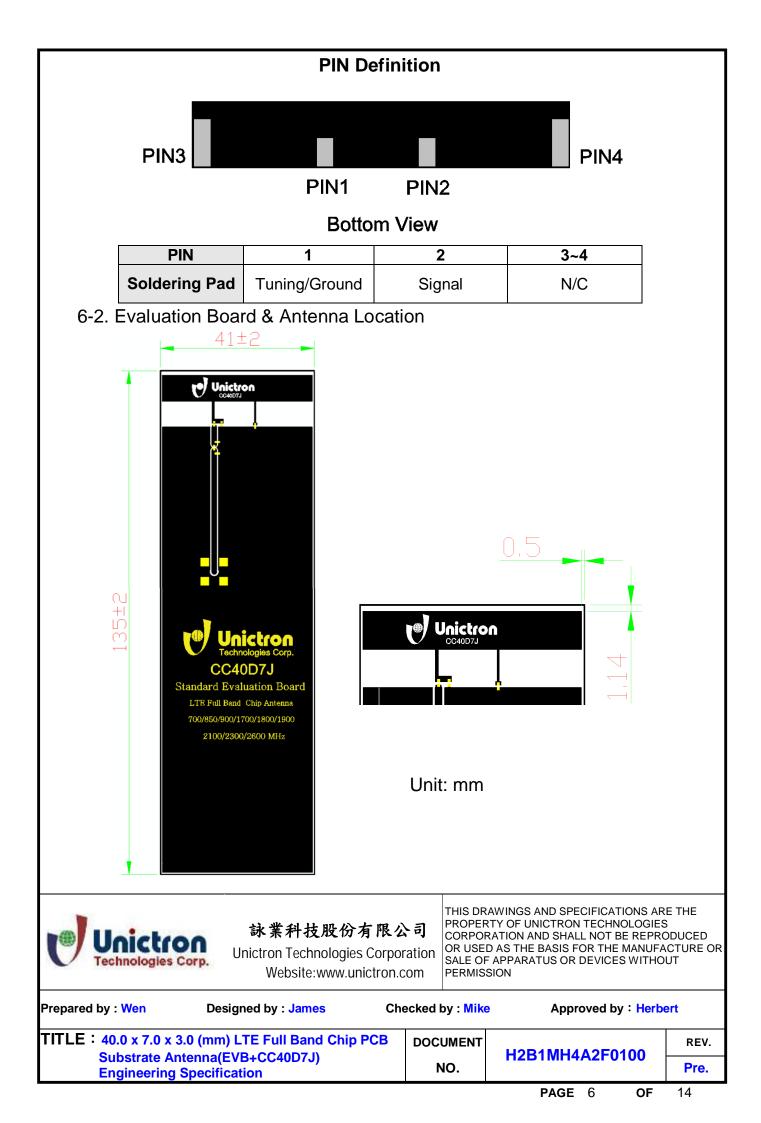
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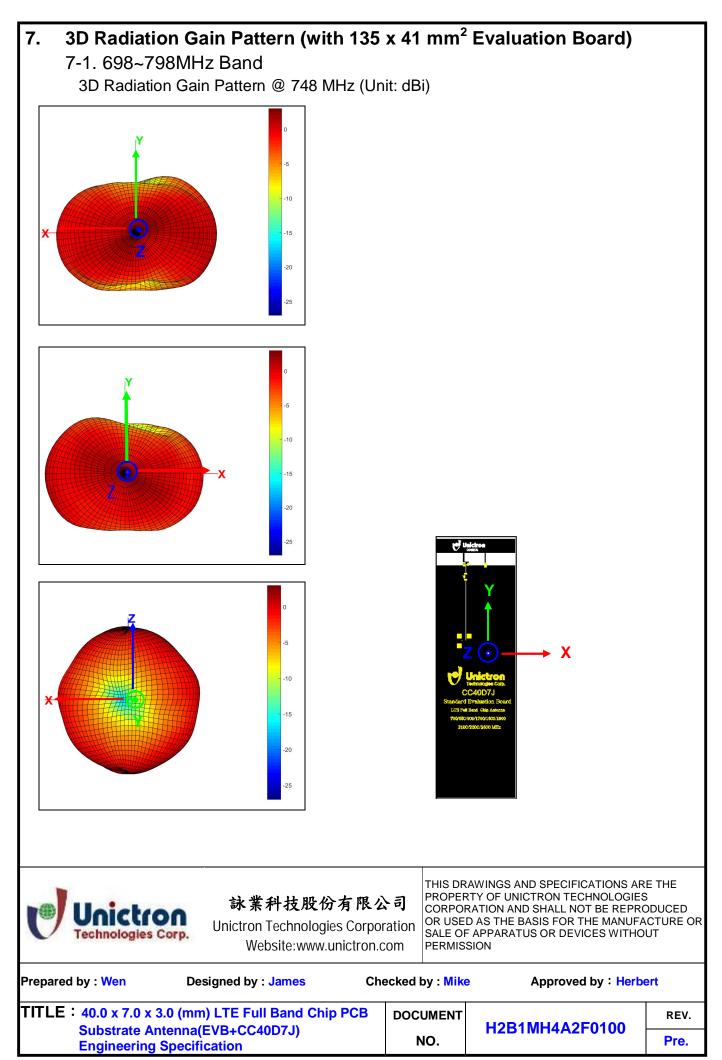
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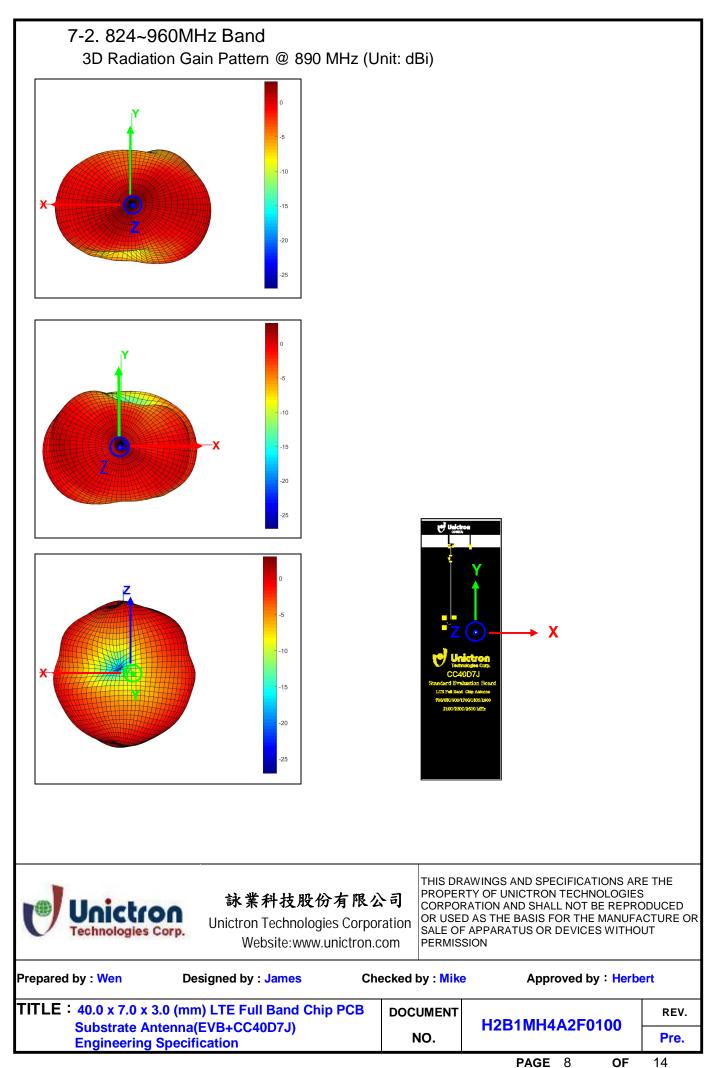
Prepared by : Wen	Designed by : James	Che	ecked by : Mike	Approved by : Herbert			
TITLE: 40.0 x 7.0 x 3.0 (mm) LTE Full Band Chip PCB		DOCUMENT	H2B1MH4A2F0100		REV.		
	ntenna(EVB+CC40D7J) Specification		NO.		0100	Pre.	
				PAGE	3	OF	14

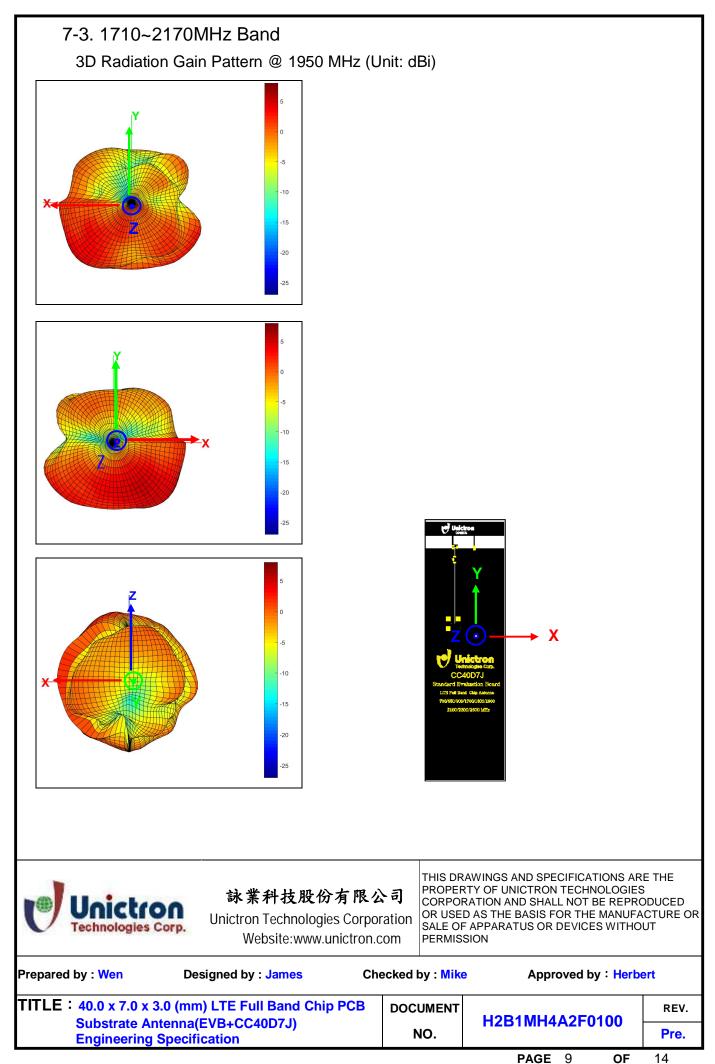


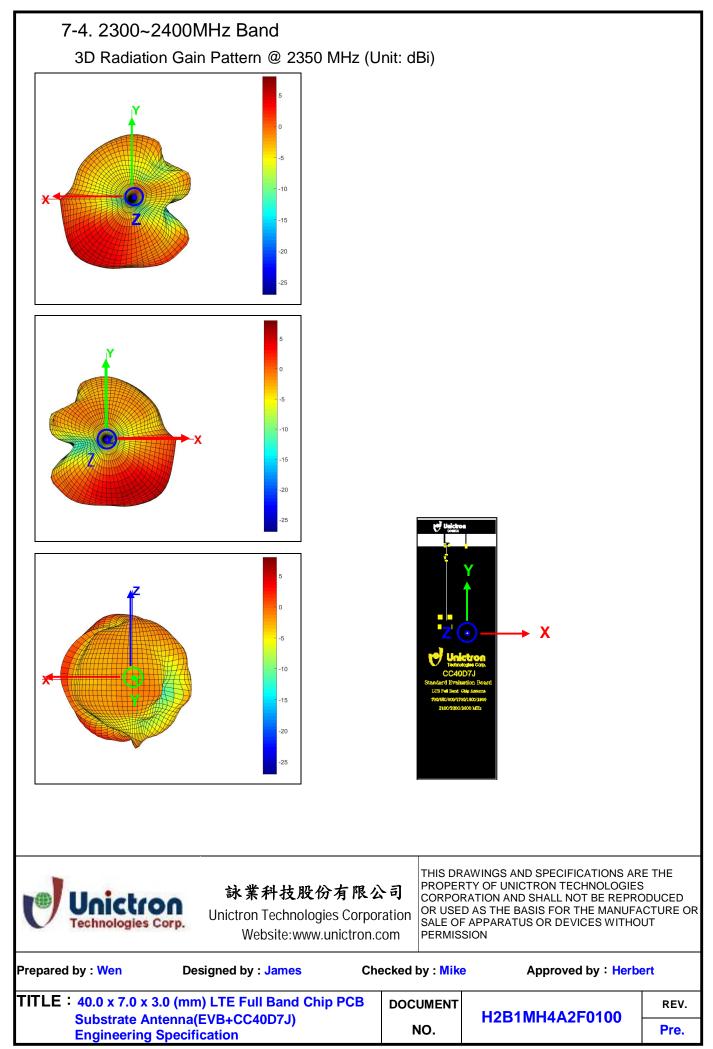


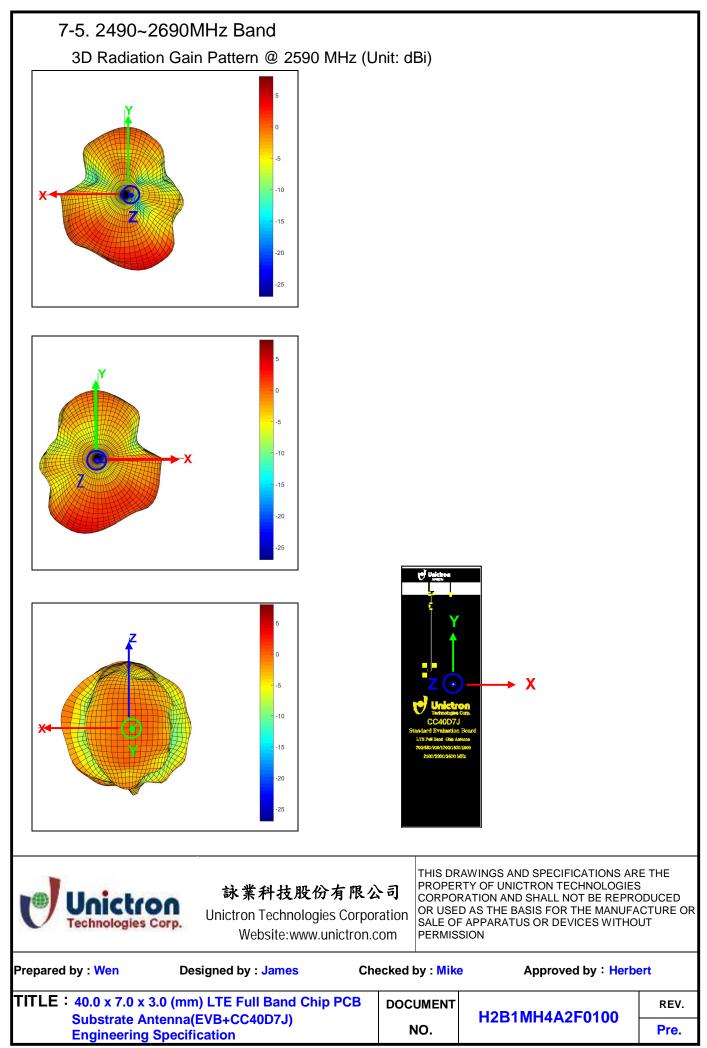


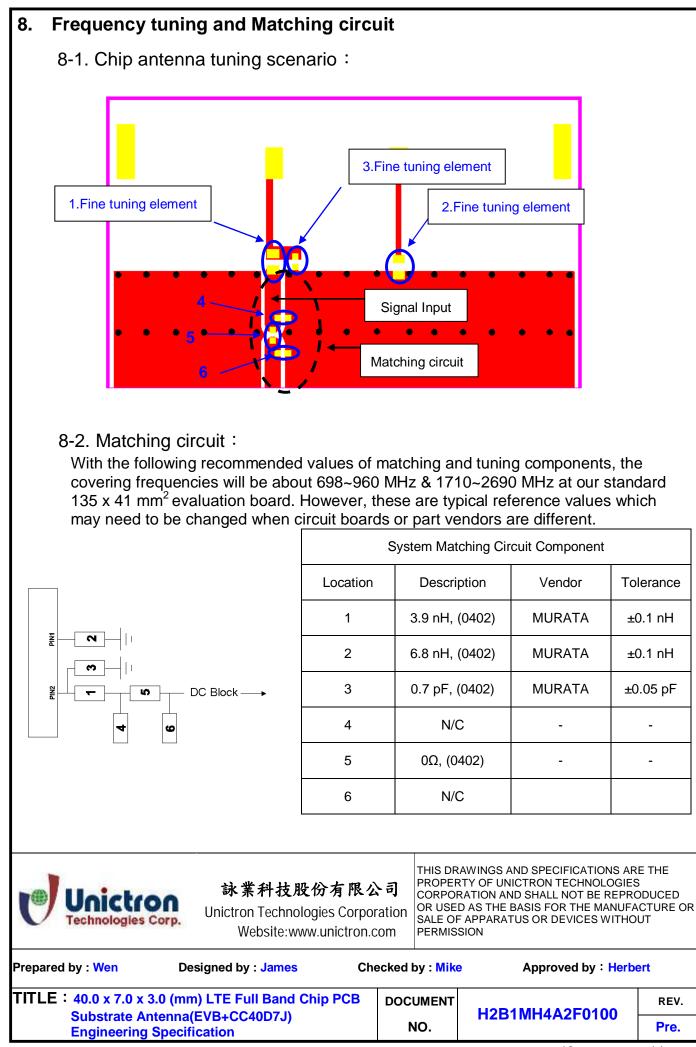


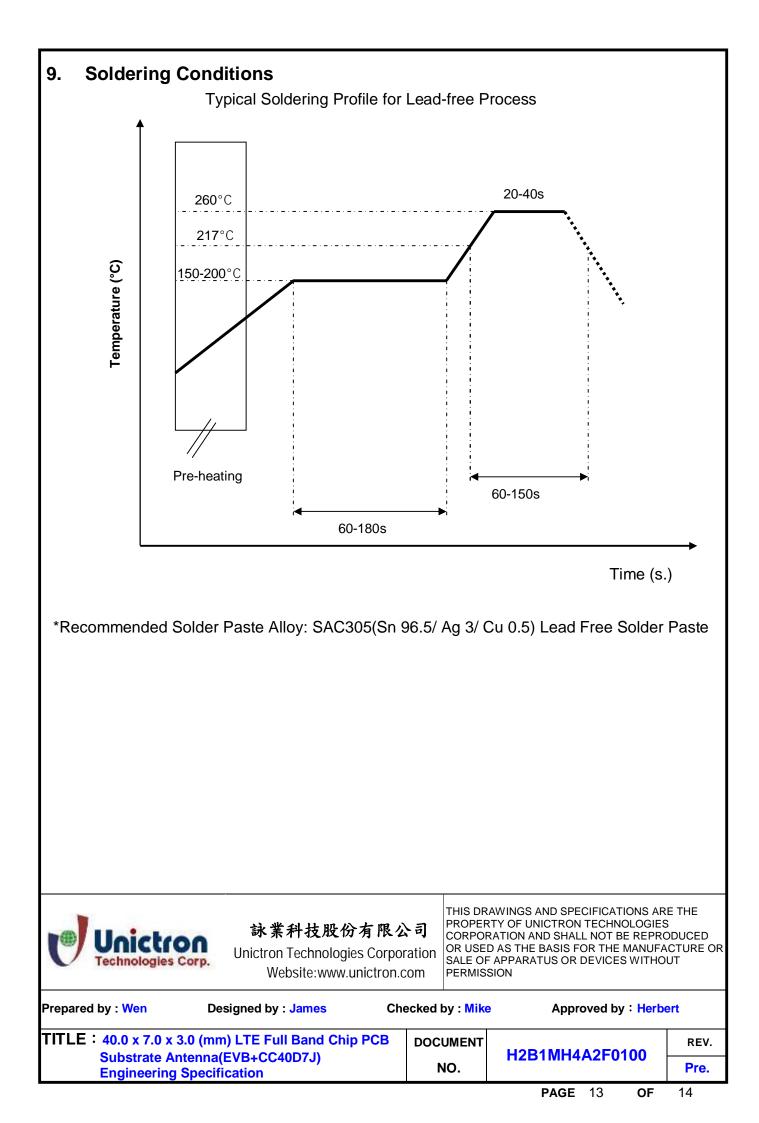












10. Operating & Storage Conditions

- 10.1. Operating
 - (1) Operating Temperature: -30 $^\circ\!\mathrm{C}$ to 85 $^\circ\!\mathrm{C}$
 - (2) Relative Humidity: 10% to 70%
- 10.2. Storage (sealed)
 - (1) Storage Temperature: $-5^{\circ}C$ to $40^{\circ}C$
 - (2) Relative Humidity: 20% to 70%
 - (3) Shelf Life: 1 year

11. Notice

(1) Installation Guide:

Please refer to Unictron's application note "General guidelines for the installation of Unictron's chip antennas" for further information.

(2) All specifications are subject to change without notice.



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