SPECIFICATIONS

PRODUCT NAME: Wi-Fi Dual band ANT

MODEL NAME : TWFM-B001T

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2010.10.26	2010.10.26	2010.10.26	PAGE	17



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Change History of Revision

Revision	Date	Contents of Revision Change	Remark
0.1	2010.10.26	Wi-Fi Dual band ANT Spec	Y.H.Park

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Table of Contents

No	Description	Page
1	ANT Features	3
2	Antenna Characteristics	3
	2.1 Network Data	4
	2.2 Gain	5
	2.3 Radiation Pattern	5
3	ANT Test Condition	6
4	ANT Dimension	6

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DOCUMENT No: HC40645

REG. DATE: 201010.26

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REV.NO: 0.1

REV. DATE: 2010.10.26

MODEL NAME: WiFi Dual band ANT

PAGE : 3/17

1. ANT Features

- Dual band Wi-Fi ANT

- Main Frequency: 2.45GHz, 5.5GHz

- Frequency range

: From 2.40 to 2.50GHz, 5GHz~6GHz

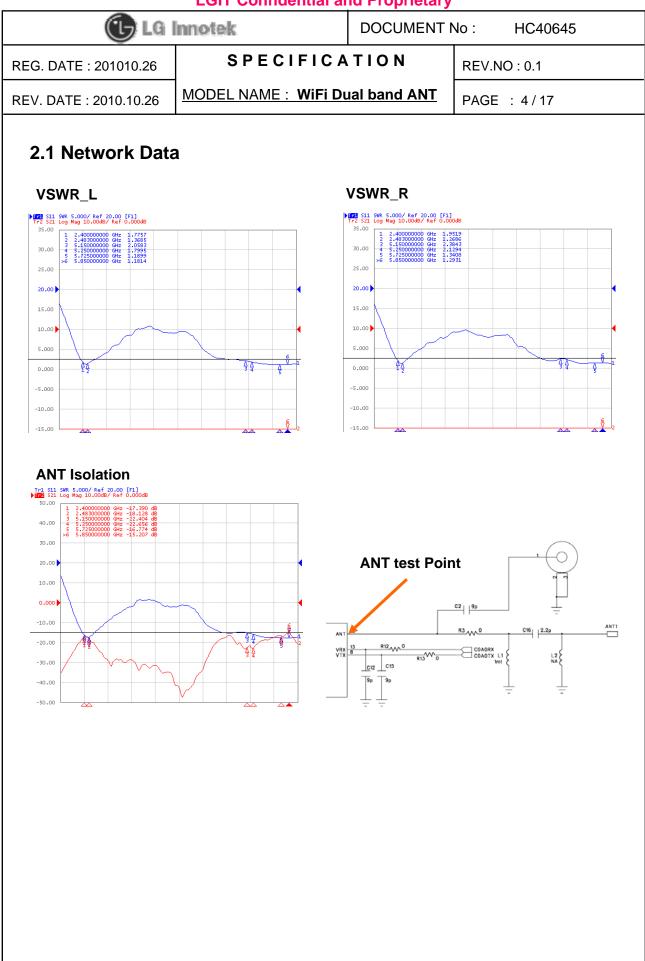
- Operating temperature range

: -35 to +95°C (typ.)

- ANT Size (16.5x3.4x3.5mm)

2. Antenna Characteristics

Antenna Performance						
Parameter	Min	Тур	Max	Unit		
Fraguency Dange	2400	2450	2500	MHz		
Frequency Range	5000	5500	6000	MHz		
Directivity	-	Omni	-	-		
Full band Average Gain	-	-2.51	-	dBi		
Full band Peak Gain		+1.03		udi		
V.S.W.R	-	2.5:1	-	Under		
Isolation		-15		dB under		
Impedance		50		Ohm		
Radiation Material		Tin Plate				



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DOCUMENT No: HC40645

REG. DATE: 201010.26

SPECIFICATION

REV.NO: 0.1

REV. DATE: 2010.10.26

MODEL NAME: WiFi Dual band ANT

PAGE : 5/17

2.2. Gain

ANT L

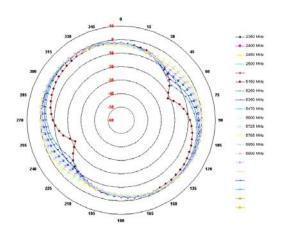
ANI_					
Freq	Gavg	Gpeak		Gmi	'n
MHz	dBi	dBi	deg	dBi	deg
2350	-2.37	0.21	315	-10.23	45
2400	-2.03	0.43	305	-8.32	40
2450	-1.64	0.73	295	-6.90	30
2500	-1.28	0.99	285	-5.90	20
5150	-4.97	-1.95	150	-22.33	245
5250	-3.54	-0.80	140	-14.62	50
5350	-3.04	-0.46	315	-12.52	45
5470	-2.38	0.16	310	-10.23	45
5600	-2.03	0.43	315	-8.39	35
5725	-1.64	0.73	295	-6.90	30
5785	-1.28	0.99	285	-5.90	20
5850	-1.62	0.72	285	-6.901	30
5600	-2.13	0.41	305	-8.392	35

ANT_R

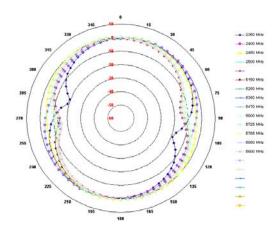
Freq	Gavg	Gpeak		Gmi	in
MHz	dBi	dBi	deg	dBi	deg
2350	-3.01	0.05	20	-19.62	290
2400	-1.75	0.48	30	-7.02	295
2450	-0.98	1.01	355	-5.01	260
2500	-1.75	0.45	30	-6.89	295
5150	-3.50	-0.12	175	-15.51	85
5250	-2.99	0.56	175	-14.50	265
5350	-2.70	0.29	175	-13.30	265
5470	-2.30	0.62	175	-12.03	260
5600	-1.86	1.03	350	-10.68	260
5725	-2.32	0.64	175	-11.53	260
5785	-2.69	0.45	175	-13.21	260
5850	-3.03	0.00	175	-14.4	265
5600	-3.88	-0.84	175	-15.99	265

2.3. Radiation Pattern

 ANT_L

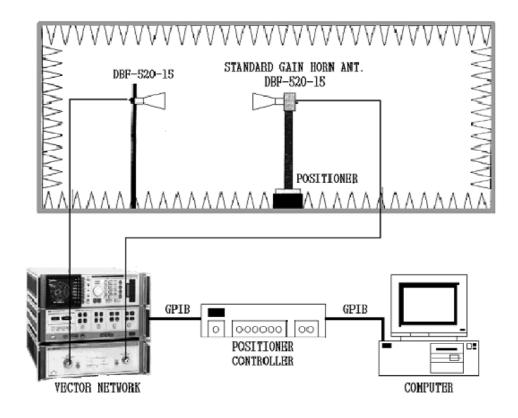


ANT_R





3. ANT Test Condition



4. ANT Dimensions

