SPECIFICATIONS

PRODUCT NAME: WLAN Singlel Bands ANT

MODEL NAME: TWFM-K311D External Antenna

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Designed	Checked	Approved				
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			DOCUMENT No.			
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REG. DATE : 2014.09.29	SPECIFICATION		REV.NO: 0.1
REV. DATE : 2014.09.29	MODEL NAME :WLAN Sir	ngle Bands ANT	PAGE : 1/5

Change History of Revision

Revision	Date	Contents of Revision Change	Remark
0.1	2014.09.29	Wi-Fi Single Bands ANT Spec	S.W. Oh
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1. ANT Features

- Single Bands Wi-Fi ANT

- Main Frequency: 2.45GHz

- Frequency range

: From 2.40 to 2.50GHz

- Operating temperature range

: -35 to +95°C (typ.)

- ANT Size (34 x 6.6 x 6.4mm)

- Cable length: 420mm

2. Antenna Characteristics

Antenna Performance						
Parameter	Min	Тур	Max	Unit		
Frequency Range	2400	2440	2485	MHz		
Directivity	-	Omni	-	-		
Average Gain	- 6.0	-	-	۹D:		
Peak Gain	-	-	0.8	dBi		
V.S.W.R	-	-	3.0	Under		
Impedance		50		Ohm		
Radiation Material		Sus, Ni				

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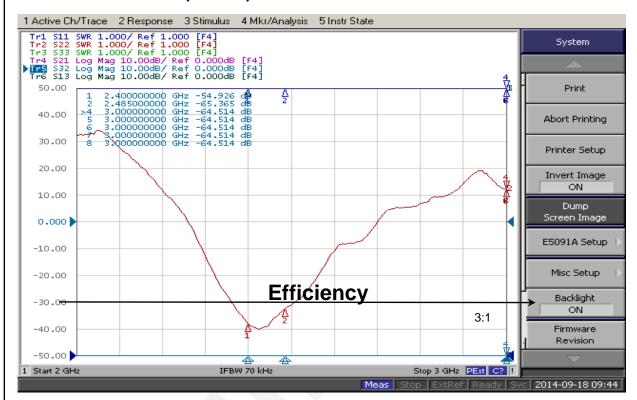
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2.1 Network data (VSWR)

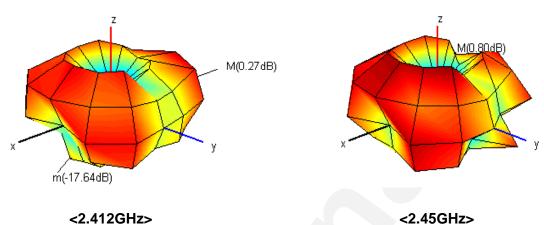


2.2 Efficiency

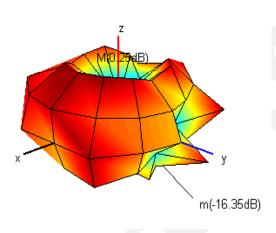
2450	0	2460	2470		
			24/0	2480	2485
-4.06	6	-4.40	-4.21	-4.12	-4.20
39.23	3	36.29	37.96	38.75	37.99
-4.06	6	-4.40	-4.21	-4.12	-4.20
-7.28	В	-7.21	-7.08	-7.06	-7.18
-6.88	В	-7.62	-7.36	-7.19	-7.25
-5.96	6	-6.24	-6.05	-5.99	-6.09
64.58	8	65.51	65.43	65.03	64.74
-7.32	2	-7.33	-7.30	-7.31	-7.44
-6.80	0	-6.67	-6.49	-6.38	-6.46
-8.88	В	-8.63	-8.37	-8.28	-8.38
0.80)	0.08	0.30	0.41	0.25
4.86	5	4.48	4.51	4.53	4.46
-17.33	3	-18.29	-17.55	-16.95	-16.36
	\dashv				
			'		
	-4.00 -7.26 -6.86 -5.96 64.5 -7.33 -6.86 0.80 4.86	-4.06 -7.28 -6.88 -5.96 64.58 -7.32 -6.80 -8.88 0.80 4.86	-4.06	-4.06 -4.40 -4.21 -7.28 -7.21 -7.08 -6.88 -7.62 -7.36 -5.96 -6.24 -6.05 64.58 65.51 65.43 -7.32 -7.33 -7.30 -6.80 -6.67 -6.49 -8.88 -8.63 -8.37 0.80 0.08 0.30 4.86 4.48 4.51	-4.06 -4.40 -4.21 -4.12 -7.28 -7.21 -7.08 -7.06 -6.88 -7.62 -7.36 -7.19 -5.96 -6.24 -6.05 -5.99 64.58 65.51 65.43 65.03 -7.32 -7.33 -7.30 -7.31 -6.80 -6.67 -6.49 -6.38 -8.88 -8.63 -8.37 -8.28 0.80 0.08 0.30 0.41 4.86 4.48 4.51 4.53

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2.3 Radiation pattern



<2.412GHz>



<2.485GHz>

