

Specification Sheet		Charge		Confirm		Approval	
Object	External Monopole Antenna	/		/		/	
Enterprise	3Com	REV.	IR	Page	1 of 3		
Model name	KWBE-2454RD_	Date		Sep 2, 2004			
System	W-LAN DUAL	Written by		Albert Kim			
Electrical Specification							
Frequency Range		2.4 ~ 2.483 (GHz)		5.15 ~ 5.875 (GHz)			
Band Width		83.5 (MHz)		725 (MHz)			
V.S.W.R (Max)		2.0 : 1		2.0 : 1			
Gain (Max)		2.5 ± 0.5 dBi		2.5 ± 0.5 dBi			
Input Impedance		50 (Ω)					
Polarization		Linear					
Mechanical Specification							
Antenna Size		65 × 11 × 4 mm					
Weight		5 (g)					
Radiator Material		Copper					
Operation Temperature		-30 ~ 90 (°C)					
Operation Humidity		10 ~ 90 (%)					
Option							
Others							

KRD01-00A05-01IR

KOSAN I & T Co., Ltd.

Fig 1. Typical RETURN LOSS performance 2.4/5.8GHz

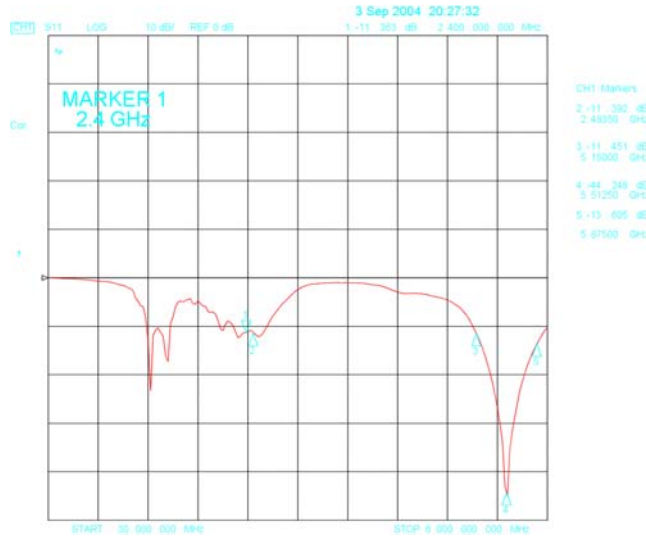


Fig 2. Typical VSWR performance 2.4/5.8GHz

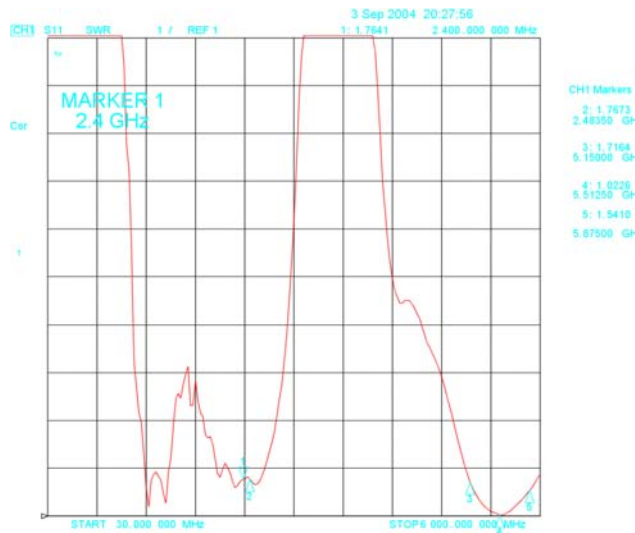


Fig 3. Typical Impedance performance 2.4/5.8GHz

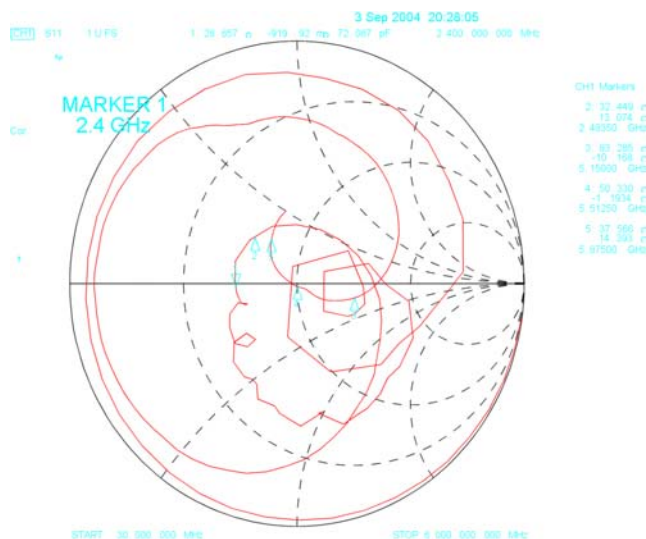
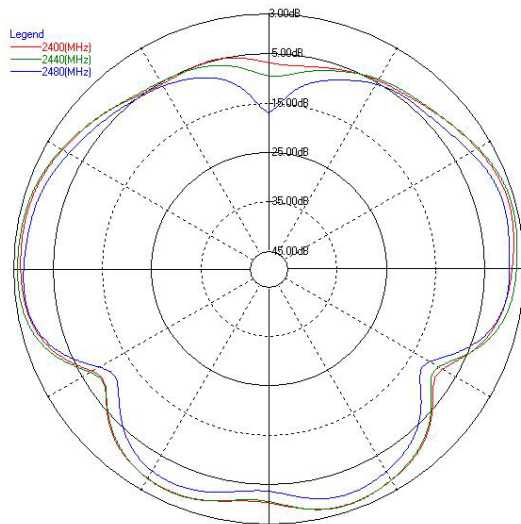
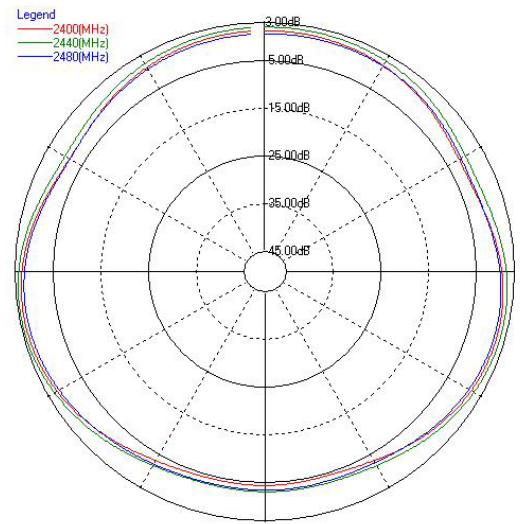


Fig 4. RADIATION PATTERN

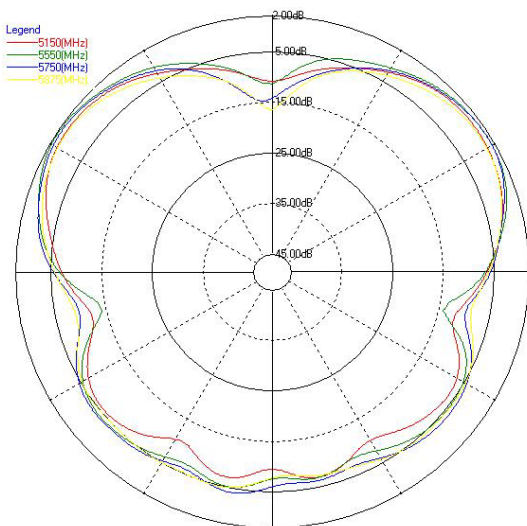
ELEVATION PATTERN, 2.4GHz



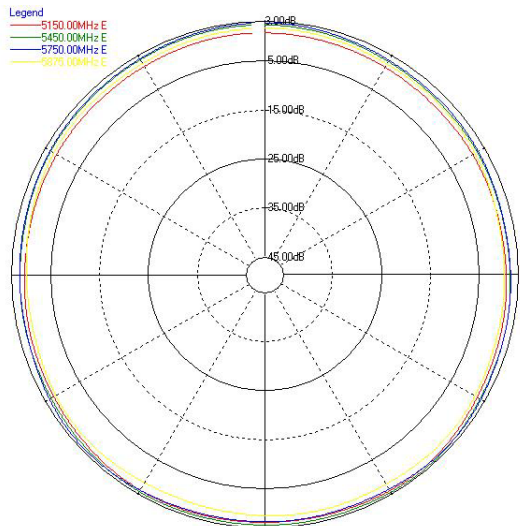
AZIMUTH PATTERN, 2.4GHz



ELEVATION PATTERN, 5.8GHz



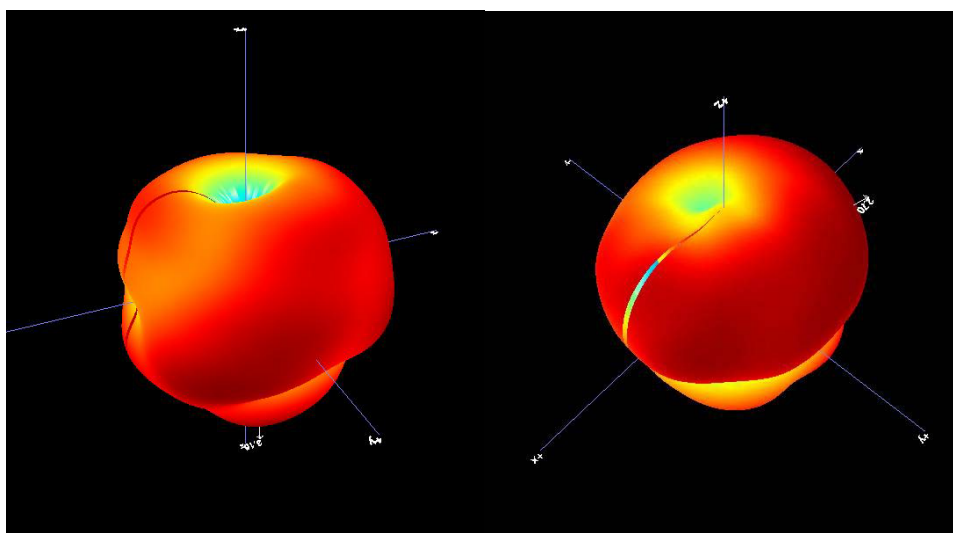
AZIMUTH PATTERN, 5.8GHz



3D PATTERN @ 2440MHz

3D PATTERN @ 5515MHz

Peak Gain table



Layer	Max value
2400.00MHz ...	2.63 dB
2440.00MHz ...	2.67 dB
2480.00MHz ...	2.03 dB
5150.00MHz E...	2.18 dB
5250.00MHz ...	2.43 dB
5350.00MHz ...	2.65 dB
5450.00MHz ...	2.57 dB
5550.00MHz ...	2.61 dB
5650.00MHz ...	2.41 dB
5750.00MHz ...	2.55 dB
5850.00MHz ...	2.04 dB
5875.00MHz ...	1.48 dB