

## CR800 Series Fiber Optic Cellular Repeater

This Fiber Optic band selection type repeater is designed for IS-95A CDMA system. Donor cell signal is transmitted via fiber optic cable to far end unit to provide coverage in far end area.

Feed Forward Technologies is used to support multi-carriers application. Performance is low Noise, low Spurious, high Linearity, low Interference and high Reliability.

Built-in RS232 control port enables convenience field adjustment of repeater output power, gain and channel number. Optional remote control and monitoring system. (Via fixed line or wireless modem)

Packed in IP55 case. Optional outdoor IP66 version.



GSM900, CDMA and GSM1800(DCS1800) Repeater

Part No.	CR800 - 43A-60FOC-R (Remote Unit)	
	CR800 - 43A-60FOC-RWP (Remote Unit)	
Frequency Range	UL: 825~835MHz	DL: 870~880MHz
Gain	UL: 30~60dB	DL: 30~60dB
Gain Adjustment Precision	2~20dB: ± 1.0dB	22~30dB: ± 1.5dB
Noise Figure	≤ 5dB	
Wavelength	1310 / 1550nm	
Max. Output Power	optical UL power: 0, 3, 7 or ~10dBm DL :30, 33, 37 or 40dBm/per carrier	
Pass Band Ripple	≤ 3dB	
Carrier Number	1, 2 or 3 (optional)	
Bandwidth	1.25MHz	
Spurious	in band: ≤ - 60dBc (fo ± 1.98MHz, RBW 30KHz) ≤ - 45dBc (fo ± 750KHz, RBW 30KHz) out band: ≤ - 36dBm (9KHz-1GHz) ≤ - 30dBm (1-12.75GHz) ≤ - 67dBm (890-915MHz)	
Waveform Coefficient	UL: ρ> 0.912	DL: ρ> 0.944
Frequency Error	≤ ± 0.05ppm	
Max. Fiber Optic Transmission Distance	20km	
Time Delay	≤ 5μs (excluding fiber optic cable delay)	
Impedance	50 Ω	
VSWR	≤ 1.5:1	
Connector	N-F	
Control Method	keyed control and remote control	
Operating Temperature	- 30~60°C	
Power Supply	220V AC	
Dimensions	590 X 490 X 205mm	Weight 25kg
1. Different frequency range model available upon request. 2. Optional RS232 alarm connector available.		

Eyecom company policy is one of continuing improvement, therefore we reserve the right to change this specification without notice.