

# WCDMA Digital Band Selective Repeater

## 2100 MHz



### PRODUCT FEATURES

- Friendly and easy OMT interface via RJ45 connection
- Integrated WCDMA wireless modem for remote configuration, monitoring and control
- Internal backup battery keeps the alarm unit running for up to two hours after power failure
- Optional OMC is available for remote operation and maintenance of a group of repeaters
- Designed for all weather outdoor installation – waterproof, damp-proof and omni-sealed (IP65)
- Compliance with 3GPP

TECHNICAL SPECIFICATIONS	RP21-BAxx-CA00				
ELECTRICAL	1 W	2 W	5 W	10 W	20 W
FREQUENCY RANGE, UPLINK	1920 – 1980				
FREQUENCY RANGE, DOWNLINK	1920 – 1980				
SUB-BANDS	4				
BANDWIDTH	1~3 carriers adjustable				
INSTANTANEOUS BANDWIDTH	30 MHz				
TOTAL OUTPUT POWER, UPLINK	23 dBm				
TOTAL OUTPUT POWER, DOWNLINK	30	33	37	40	43
MAXIMUM SYSTEM GAIN	90				
GAIN ADJUSTMENT RANGE	0 - 30 dB				
SYSTEM NOISE FIGURE AT MAX. SYSTEM GAIN	≤ 5 dB				
OUT-OF-BAND GAIN @ MAXIMUM BANDWIDTH					
INTERMODULATION					
SPURIOUS EMISSION	Compliance with 3GPP TS 25 106				
EVM					
ACRR					
PCDE					
SPURIOUS EMISSION MASK					
SYSTEM GROUP DELAY	≤ 6.5 μsec				
ABSOLUTE MAXIMUM RF INPUT POWER	-10 dBm				
INPUT VSWR	≤ 1.5				
IMPEDANCE	50 Ohm				

POWER, MECHANICAL & ENVIRONMENTAL					
DIMENSIONS, (H x W x D)	430 x 300 x 164 mm				
WEIGHT (APPROX.)	18 Kg				
POWER SUPPLY	100 – 240 / 47 – 63 Hz				
POWER CONSUMPTION (APPROX.)	130	140	150	160	180
POWER UP WAITING TIME (APPROX.)	180 sec				
MCU BATTERY BACKUP TIME (APPROX.)	2 hr				
ENCLOSURE COOLING	Convection				
RF CONNECTORS	N-Female				
OPERATING TEMPERATURE	-33 to +55°C				
OPERATING HUMIDITY	≤ 95%				
ENVIRONMENTAL CLASS	IP65				
MTBF	≥ 50,000				