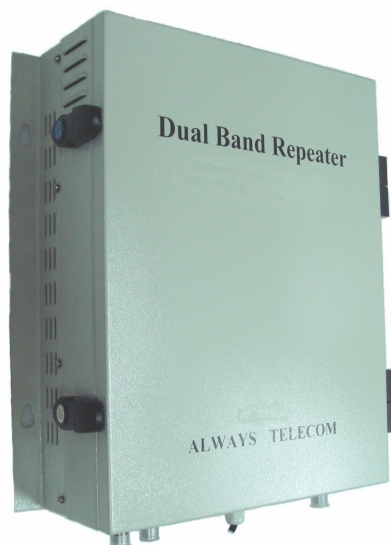


DUAL BAND RF REPEATER

MODEL: NKGSM-WCDMA-37W 85dB



- Auto Gain Control
- Auto Power Control
- Auto Level Control
- Waterproof IP53
- LED Alarm Display
 - * AGC out of range
 - * AC/DC power failure
 - * HPA failure
- RS232 LOCAL CONTROL
- Push - button Control with LCD display
- 5Watt output

Frequency Range	Up Link	890 ~915 MHz
	Down Link	935 ~960 MHz
Bandwidth (-3dB)		25MHz
System Gain		≥85dB
Out Of Gain : ± 400KHz		<50 dB Max
± 600KHz		<40 dB Max
± 1MHz		<35 dB Max
± 5MHz		<25 dB Max
U/L.D/L Adjustable Range		≥30dB by 1dB Step
Guard Band rejection		>85dB
Automatic Gain control		≥20dB at common control
IMD		≥60dBc
Spurious Emission		≤-36dBm(9kHz ~ 1GHz)
		≤-30dBm(1GHz ~ 12.75GHz)
Inter-modulation		≤-36dBm(9kHz ~ 1GHz)
		≤-30dBm(1GHz ~ 12.75GHz)
Return Loss (VSWR)		≥16dB
Flatness		+2dB
Max output power DL/UL		DL ≥37dBm UL ≥30 dBm
Max input power		>0dBm
Group delay		<5.5us
Noise Figure		≤5dB

Frequency Range	Up Link	1920 ~ 1975 MHz
	Down Link	2110 ~ 2165 MHz
Bandwidth / channel spacing		55Mhz
Gain		≥85dB
U/L.D/L Adjustable Range		≥30dB by 1dB Step
Automatic Gain control		≥20dB
Out of band Gain / Emission	2.7<F offset < 3.5	60dB / < -14dBm / 30kHz
	3.5<F offset < 7.5	45dB / < -26dBm / 30kHz
	7.5<F offset < 12.5	45dB / < -26dBm / 30kHz
	12.5 < F offset	35dB / < -13dBm / 1MHz
Spurious Emission	9kHz ~ 150kHz	< -13dBm / 1kHz
	150kHz ~ 30MHz	< -13dBm / 1kHz
	30MHz ~ 1GHz	< -13dBm / 1kHz
	1GHz ~ 12.75GHz	< -13dBm / 1kHz
Return Loss (VSWR)		1.5:1
Flatness		3dBp-p
Max output power DL/UL		DL ≥37 dBm UL ≥30dBm
Max input power		>8dBm
Group delay		<5us
Noise Figure		≤5dB
ACLR		45dBc @ ± 5MHz
		50dBc @ ± 10MHz
Error Vector Magnitude(EVM)		≤ 12.5%
Peak Code Domain Error(PCDE)		≤ -35dB

MTBF	>50,000. H
Impedance	50Ω
Weight	≤30 Kg
I/O Connector	N-Type female connector (2in 1out or 1in 2out for option)
Operating Temperature	0 ~ +50℃
Environment Condition	IP53
EMI	ETS 300342
EMC	3GPPTS25.113
Electric safety standard	IEC/EN60950
Dimension	640*520*220
Power Supply	AC 110V/220 60Hz ±10%

ALWAYS