

LTE900 BAND REPEATER

MODEL: NKL900-10w



- Amplifies your signal inside the property
- Simple to install



LTE band Repeater specification

1	Operating band	(Uplink)	LTE 885-915
		(Downlink)	LTE 930-960
3	Band width		30MHz
4	Gain	Uplink & Downlink	>70 dB (min.)
5	Manual Gain Control		$\geq 30\text{dB @ } 1\text{dB/Step}$
6	Output Power	(DL) (RMS)	10 dBm (min.)
		(UL) (RMS)	10 dBm (min.)
7	Group Delay		$\leq 4.5 \text{ us}$
8	Noise Figure (at max. gain)		$\leq 5 \text{ dB}$
10	VSWR		$\leq 1.5 \text{ (max.)}$
11	Tx/Rx Isolation		>80 dB (min.)
12	Frequency stability		$\leq \pm 0.01 \text{ ppm}$
13	Out of band gain f_offset = between the outer channel edge frequency	$0.2 \leq f_{\text{offset}} < 1 \text{ MHz}$	$\leq 60 \text{ dB}$
14		$1 \leq f_{\text{offset}} < 5 \text{ MHz}$	$\leq 45 \text{ dB}$
15		$5 \leq f_{\text{offset}} < 10 \text{ MHz}$	$\leq 45 \text{ dB}$
16		$10 \text{ MHz} \leq f_{\text{offset}}$	$\leq 35 \text{ dB}$
17	Operating band unwanted emission limits		Fully comply with 3GPP 36.106 Chapter 9 Category B Option 2
18	Spurious emissions	9kHz – 150kHz	-36dBm Measurement Bandwidth 1KHz
19		150kHz – 30MHz	-36dBm Measurement Bandwidth 10KHz
20		30MHz – 1GHz	-36dBm Measurement Bandwidth 100KHz
21		1GHz – 12,75 GHz	-30dBm Measurement Bandwidth 1MHz
22		12,75GHz – 19 GHz	-30dBm Measurement Bandwidth 1MHz
23	Input inter-modulation		Fully comply with 3GPP 36.106 Chapter 11 >10dBc
24	Error Vector Magnitude (EVM)		$\leq 6\%$
25	Adjacent Channel Rejection Ratio (ACRR)		$\geq 20\text{dBc}/30\text{KHz}@5\text{MHz}\&10\text{MHz}$
26	Impedance		50Ω
27	Support MIMO		1port in / out
28	RF Connector Type		N-type Female
29	Environment condition		IP40
30	Power supply (Adapter)		AC 110V/220V $\pm 20\%$, 50 ~ 60Hz

LED Alarm Display
 Auto Gain Control
 LED alarm Display
 DIP Manual Control
 AC90~240V Adapter
 Isolation Auto tuning
 Auto Level Control
 IP54
 Dimension 220*115*45

ALWAYS