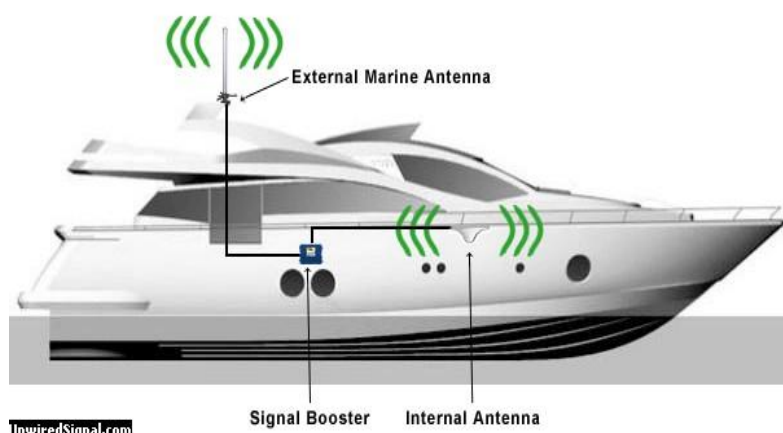


NKDW-20N DUAL BAND REPEATER FOR CRUISE SHIP

Marine Application



UnwiredSignal.com

RF Specification		DCS1800	WCDMA2100
Up link frequency	MHz	1710-1765	1920-1975
Down link frequency	MHz	1805-1860	2110-2165
Operation bandwidth	MHz	55	55
Up link output power	dBm	≥15	≥15
Downlink output power	dBm	≥20	≥20
Maximum system gain (Center frequency)	dB	≥70	≥70
Gain adjustment range	dB	0 – 31 at UL and DL	
Pass band ripple	dB	≤8dB	≤6dB/55MHz ≤2dB/3.84MHz
Intermodulation	dBc	≤-45	/
Spurious emission	dBm	9KHz to 1GHz 1GHz to 12.75GHz	≤ -36 ≤ -30
Spurious emission mask		/	3GPP TS 25.106 @ 15dBm output power
EVM		/	<10%
PCDE		/	3GPP TS 25.106
Noise figure	dB	≤ 8	≤ 8
Group delay	μsec	≤ 5	
Maximum input power	dBm	+0	
Input VSWR		≤ 2.0	
Impedance	Ω	50	
Mechanical			
Dimension	mm	252×220×53	
Weight	kg	≤ 5	
Power consumption	W	≤50	
Power supply	VAC	100~240 / 47~63Hz	
Connector		N-F	
Operation temperature	°C	-10℃ ~ 45℃	
Environment		IP30	

Note: typical specification at room temperature.