

W20S Dual Band selective Repeater



Product Features

- OLED display of operating status at a glance, easy and convenient Push-button operation.
- Low power consumption, low interference.
- Support the uplink quiet noise function.
- Digital ALC, auto control of output power ensuring stable signal coverage.
- Anti-interference, real time auto ISO detection and Self Oscillation Elimination keeping base station away from interference.
- Manual gain attenuation, attenuation of gain in the range of 1-31dB with 1dB step.

Model list:

Model	Uplink	Downlink
W20S-B3B8	880 ~ 915/1710 ~ 1785 MHz	925 ~ 960/1805 ~ 1880MHz
W20S-B1B8	880 ~ 915/1920 ~ 1980 MHz	925 ~ 960/2110 ~ 2170MHz
W20S-B1B5	824 ~ 849 /1920 ~ 1980 MHz	869 ~ 894/2110 ~ 2170MHz
W20S-B4B5	824 ~ 849/1710 ~ 1785 MHz	869 ~ 894/2110 ~ 2170 MHz
W20S-B2B5	824 ~ 849/1850 ~ 1910 MHz	869 ~ 894/1930 ~ 1990MHz
W20S-B1B3	1710 ~ 1785/1920 ~ 1980 MHz	1805 ~ 1880/2110 ~ 2170MHz
W20S-B3B20	830 ~ 862/1710~1785 MHz	791 ~ 821/1805~1880 MHz
W20S-B1B28	708 ~ 748/1920~1980 MHz	763 ~ 803/2110~2170 MHz

Technical Specification

Items		Uplink	Downlink
frequency		Customer-specified frequency	
Bandwidth		Customer-specified frequency	
Output Power		12±2dBm	20±2dBm
Gain		70±3dB	70±3dB
Ripple		≤4 dB	≤4 dB
VSWR		≤2	≤2
Max. Input Power Without Damage		0dBm	0dBm
Spurious	9KHz~1GHz	≤-36 dBm	≤-36 dBm
Emission	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm
Out of Band Gain		Fully comply with 3GPP	
EVM		Fully comply with 3GPP	
PCDE		Fully comply with 3GPP	
ACRR		Fully comply with 3GPP	
Gain Attentute Range		1~31 dB,step of 1 dB	
ALC control Range		≥ 25 dB	≥ 25 dB
Noise Figure@ max. gain		≤6 dB	≤6 dB
Time Delay		≤5 μs	≤5 μs
AGC Alarm	NotActive	—	Green
	Active5~10dB	—	Orange
	Active≥25dB	—	Red
ISO LED Indication	Normal	—	Green
	Lower 60~75 dB	—	Orange
	Lower ≤55 dB	—	Red
Monitoring and control		OLED	
Idle Shut-off Function		Available	
Real-time Self Oscillation Elimination		Available	
Shutoff Function		Available	
Power Supply		DC:12V	
Power Consumption		< 45 W	
RF Connector		N-Female	
Dimension		280*268*58mm	
Weight		< 4 kg	
Environment Conditions		IP40	
Humidity		< 90%	
Operating Temperature		-10℃ ~ +50℃	