

S43T Series Triple Band Digital Repeater

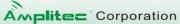


Product Features

- Sub-band frequency and bandwidth can be set by local monitoring panel, which is easier and more convenient
- Digital filter technology makes out-of-band rejection more effective
- Local or remote setting on gain, working frequency and bandwidth; convenient to check UL or DL output power, working frequency, temperature alarm and ALC alarm;
- OLED screen can clearly display working frequency, gain, output power and easily check working status of the device
- Manual gain control function, to attenuate gain with 1dB step among range of 31dB
- ALC, with wide range of 31dB, auto limit the output power to ensure stable performance.
- Device auto detect isolation after start-up, to avoid self-oscillation
- MTBF can be up to 100,000 hours

Model List

Models	Uplink	Downlink
F43T-B1B3B8	890 ~ 915/1710 ~ 1785/1920 ~ 1980 MHz	935 ~ 960/1805 ~ 1880 /2110 ~ 2170 MHz
F43T-B1B3B20	832 ~ 862/1710 ~ 1785/1920 ~ 1980 MHz	791 ~ 821/1805 ~ 1880 /2110 ~ 2170 MHz
F43T-B1B3B7	1710 ~ 1785/1920 ~ 1980/2500 ~ 2570 MHz	1805 ~ 1880 /2110 ~ 2170/2620 ~ 2690 MHz
F43T-B1B7B8	890 ~ 915/1920 ~ 1980/2500~2570 MHz	935 ~ 960/2110 ~ 2170/2620~2690 MHz
F43T-B3B7B20	832 ~ 862/1710 ~ 1785/2500 ~ 2570 MHz	791 ~ 821/1805 ~ 1880 /2620 ~ 2690 MHz
F43T-B3B7B8	890 ~ 915/1710 ~ 1785/2500 ~ 2570 MHz	935 ~ 960/1805 ~ 1880 /2620 ~ 2690 MHz





Professional mobile communication seamless coverage solution provider

Technical Specification

Items		Uplink	Downlink	
Operating Bandwidth		0.2~20 MHz(Frequency can be set , 200 kHz step)		
Sub-bands		1~3		
Output power		Type 25±2 dBm	Type 43±2 dBm	
Gain		Type 90±2 dB	Type 95±2 dB	
Ripple in Band		Type ≤4 dB	Type ≤4 dB	
VSWR		≤2	≤2	
Max. input power without damage		-10 dBm	-10 dBm	
Out of Band Gain		Fully comply with 3GPP		
EVM		Fully comply with 3GPP		
PCDE		Fully comply with 3GPP		
ACRR		Fully comply with 3GPP		
Spurious Emission	9KHz~1GHz	≤-36 dBm	≤-36 dBm	
Spurious Errission	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm	
Gain Attentute Range		1~31 dB,step of 1 dB		
ALC active 10dB, output power error		△ ≤2 dB	△ ≤2 dB	
Monitoring	Local	OLED & USB		
	Remote	NMS Cloud Connection		
		1.Repeater Info		
Local Control Or Remote Control		2.UL&DL Gain		
		3.PA ON/OFF		
		4.Over Output Power Alarm Level Limit		
		5.Temperature Alarm Level Limit		
		1.Over Output Alarm		
Local Monitoring Or Pe	mote Monitoring	2.Over Temperature Alarm		
Local Monitoring Or Remote Monitoring		3.PA Failure Alarm		
		4.Power Supply Alarm		
Noise Figure		≤6 dB	≤6 dB	
Time Delay		≤13 µs	≤13 µs	
Power Supply		AC: 220V		
RF Connector		N-Female		
Environment Condition		IP65		
Humidity		< 90%		
Operating Temperature		-10°C ~+55°C		
Dimension		698*500*225mm		
Weight		< 38kg		



