

# **S40T Series Single Band Digital Repeater**



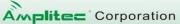
#### **Product Features**

- 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
S40T-B8	880 ~ 915 MHz	925 ~ 960 MHz
S40T-B3	1710 ~ 1785 MHz	1805 ~ 1880 MHz
S40T-B1	1920 ~ 1980 MHz	2110 ~ 2170 MHz
S40T-B7	2500 ~ 2570 MHz	2620 ~ 2690 MHz
S40T-B20	791 ~ 821 MHz	832 ~ 862 MHz





Website: www.amplitec.cn



## 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 40±2 dBm	
Gain		Type 85±2 dB	Type 90±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		△   <b>≤2</b> dB	△   ≤2 dB	
Monitoring	Local	OLED & USB		
	Remote	NMS Cloud Connection		
Local Control Or Remote Control		1.Repeater Info		
		2.UL&DL Gain		
		3.PA ON/OFF		
		4. Over Output Power Alarm Level Limit		
		5.Temperature Alarm Level Limit		
Local Monitoring Or Remote Monitoring		1.Over Output Alarm		
		2.Over Temperature Alarm		
		3.PA Failure Alarm		
		4.Power Supply 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		490*410*190mm		
Weight		<25kg		



