



SMALL OFFICE SMALL HOME SIGNAL BOOSTER

APPLICATION

- Single or Dual-band repeater (as indicated) will amplify bands, B8, B3 & B1.
- These are the GSM900, DSC1800 and WCD-MA2100 bands on which 2G, 3G and 4G are provided.

FEATURES

- The CM (ConnectMobile) boosters are 17~20dBm, intelligent repeaters with 65~70dB gain that will provide coverage to a small to medium size home or open plan office..
- They all have super features like ASO Automatic shut-off should any oscillation starts.
- Sleep mode power saving mode is standard.
- A dormant Uplink until making a call ensures less noise on the network.
- AGC the automatic adjusting of 30dB gain to ensure that any unstable signal does not drop your calls.
- MGA Manual gain attenuation function where base stations are upgraded in future.
- A LCD display which indicates the fully automatic set-up readings.
- Causes no interference to the BTS base station.



STANDARD PACKAGE

- A single or dual-band booster, plus power adapter, antennas and cables as well as all the installation fittings.
- User/installation manual.

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S D E

CM-T2-900G TA-2018-2885



Technical Specifications

ELECTRICAL

Model	CM-T2-900G	900 MHz	UL: 890-915 MHz	DL: 935-960 MHz
Output Power	17±3 dBm			
Gain	DL: 70±3 dB UL: 65±3 dB			
ALC Range	≥30 dB			
Noise Figure	≤8 dB			
Ripple in Band	≤8 dB			
Time Delay	≤1 μs			
IMD3	≤ -32 dBc			
Spurious Emission	9 kHz -1 GHz	≤-36 dBm@ 30 kHz		
	1 GHz-12.75 GHz	≤-30 dBm@ 1 MHz		
Port Impedance	50 Ω			

POWER, MECHANICAL & ENVIRONMENTAL

Weight	<1 kg (host + Active Antenna)			
Dimension	Active antenna : 130×92×22 mm Host: 160×105×26 mm			
Installation	Wall installation (Active antenna)			
RF Connection	SMA Female			
Power Supply	AC 100–240 V/10 W			
Temperature	Active antenna: -25~+55°C Host: -5~+45°C			
Chassis	Active antenna: IP43 Host: IP40			

S D E

CM-T2-900-2100 TA-2020-159



Technical Specifications

ELECTRICAL

Model	CM-T2-900-2100	900 MHz	UL: 890-915 MHz	DL: 935-960 MHz
		2100 MHz	UL: 1920-1980 MHz	DL: 2110-2170 MHz
Output power		20 dBm		
Gain		70 ±3 dB		
ALC Range		≥30 dB		
Noise Figure		≤ 5 dB		
Ripple in Band		≤ 5 dB		
Time Delay		≤ 5 μs		
VSWR		≤ 2.0		
Spurious Emission	9 kHz - 1 GHz	≤ -36 dBm @ 30 kHz		
	1 GHz - 12.75 GHz	≤ -30 dBm @ 30 kHz		
Port Impedance		50 Ω		

POWER, MECHANICAL & ENVIRONMENTAL

Weight	≤1 kg
Dimension	Host : 180 × 150 × 28 mm
Installation Mode	Indoor appliance
RF Termination	SMA Female
Power Supply	AC: 100-240Vac / 6 Watts
Operating Temperature	-5 ~ +45°C

SDE

CM-T2-900-1800 TA-2021-0494



Technical Specifications

ELECTRICAL

Model				
	CM-T2-900-1800	900 MHz	UL: 890-915 MHz	DL: 935-960 MHz
		1800 MHz	UL: 1710-1785 MHz	DL: 1805-1880 MHz
Output power	20 dBm			
Gain	70 ±3 dB			
ALC Range	≥30 dB			
Noise Figure	≤ 5 dB			
Ripple in Band	≤ 5 dB			
Time Delay	≤ 5 μs			
VSWR	≤ 2.0			
Spurious Emission	9 kHz - 1 GHz	≤ -36 dBm @ 30 kHz		
	1 GHz - 12.75 GHz	≤ -30 dBm @ 30 kHz		
Port Impedance	50 Ω			
POWER, MECHANICAL & ENVIRONMENTAL				
Weight	≤1 kg			
Dimension	Host : 180 × 150 × 28 mm			
Installation Mode	Indoor appliance			
RF Termination	SMA Female			
Power Supply	AC: 100-240Vac/ 6 Watts			
Operating Temperature	-5 ~ +45°C			

SDE