

## A33W Series Mobile Signal Car Booster



### Product Overview

While driving in suburban or mountainous areas, it often experiences weak mobile signals and difficulty to make calls. At this time, you may need to walk out of the car to make calls. The main reason is that for cost-effective reasons there are lesser base stations in suburban and mountainous areas than in cities. The signals in these areas are already weak, and the car body usually produces 5-10db attenuation, so the in-vehicle signals are worse while driving.

How does the A33W series car booster works to improve the situations: signals from BTS are received by an outer antenna mounted on the car body and transmitted to the car booster for enhancement; the enhanced signals are then transmitted to mobile phones by an antenna in the car; in the meantime the signals from the mobile

phones are picked up by the antenna in the car and transmitted to the car booster for enhancement, then transmitted to the BTS by the outer antenna, so as to realize the communication. With uplink output power of 33dBm, A33W could transmit the signals to a base station 2km away and improve the communication quality effectively.

### Product Features

- Good dissipation with aluminum shell
- Industrial grade components, suitable for high temperature environments
- Low noise figure, low interference to BTS
- Low power consumption, 12V car power supply
- Compact size, easy to install
- MTBF up to 100,000 hours

## Model List

Model	Uplink	Downlink
A33W-GD	890 ~ 915 MHz / 1710 ~ 1775 MHz	935 ~ 960MHz / 1805 ~ 1870 MHz
A33W-GW	880 ~ 915 MHz / 1920 ~ 1980 MHz	935 ~ 960MHz / 2110 ~ 2170MHz
A33W-CP	824 ~ 849 MHz / 1850 ~ 1910 MHz	869 ~894MHz / 1930 ~ 1990 MHz
A33W-CD	824 ~ 849 MHz / 1710 ~ 1775 MHz	869 ~894MHz / 1805 ~ 1870 MHz
A33W-CW	824 ~ 849 MHz / 1920 ~ 1980 MHz	869 ~894MHz / 2110 ~ 2170MHz
A33W-CA	824 ~ 849 MHz / 1710 ~ 1755 MHz	869 ~894MHz / 2110 ~ 2155 MHz

## Technical Specifications

Item	Uplink	Downlink
Gain	$\geq 50$ dB	$\geq 40$ dB
Ripple in band	CDMA $\leq 6$ dB / GSM $\leq 6$ dB / DCS $\leq 8$ dB / PCS $\leq 8$ dB / WCDMA $\leq 6$ dB / AWS $\leq 6$ dB	
Output power	> 26dBm	> 10dBm
Spurious emission	9KHz~1GHz	$\leq -36$ dBm (RBW=30KHz)
	1GHz~12.75GHz	$\leq -30$ dBm (RBW=1MHz)
VSWR	$\leq 2.5$	
Time delay	$\leq 0.5$ $\mu$ s	
Power supply	DC: + 12V	
Power consumption	$\leq 10$ W	
Power indicator	Power-on: Light on & green color Power-off: Light off	
Operating Temperature	$-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$	
Size	163 * 92 * 25mm	
Weight	$\leq 0.5$ Kg	