

# AJ Test Equipment

OBJ II

## General Description

- OBJ II AJ test equipment is designed to support all the GPS anti-jamming test requirements.
- A modular approach provides for expandability with additional programmable generators independently for GPS L1, L2 or GLONASS L1.
- OBJ II is the best solution for testing receiver susceptibility to intentional or unintentional interference which has become a requirement and product differentiator in airborne, automotive, defense and mobile phone applications.



## Electrical Specification

ITEM	Specifications	Remarks(Opt.)
Control	External CDU/ Profile setting & Stand Alone Op.	
Interface	RS232	
Output Power Range	-100dBm ~ -20dBm	a basis of CW
Power Control Step	1 dB	
Output VSWR	Max. 1.5 : 1	
RF Output	Single Output : GPS L1/L2, GLONASS L1	
Jamming	CW, FM, C/A code, AWGN, Multi-tone, Sweep CW	
DC Power	28V(or 12V)	

## Mechanical Specification

ITEM	Specifications	Remarks
Size	170 X 200 X 80	mm
Connector	N type(Female)	
Weight	< 3kg	mm



## Jamming Signal Specification

Jamming Signal	Specification	Center Frequency
CW	Max. Output Power : -20dBm	GPS L1 : 1575.42MHz GPS L2 : 1227.6MHz GLONAS : S L1 : 1602MHz
Sweep CW	Sweep Speed : <1us Peak Power : -20dBm	GPS L1 : 1575.42(±1.023)MHz GPS L2 : 1227.6(±1.023)MHz GL L1 : 1601.71875(BW=8.3345)MHz
Multi-tone	Frequency Deviation : Selectable Max. 10EA Channel Power : -35dBm	GPS L1 : 1575.42(±1.023)MHz GPS L2 : 1227.6(±1.023)MHz GL L1 : 1601.71875(BW=8.3345)MHz
FM	Modulation Index, BW : 4.8MHz, Rate : 10 Channel Power : -20dBm	GPS L1 : 1575.42MHz GPS L2 : 1227.6MHz GLONAS : S L1 : 1602MHz
C/A Code	PRN : 1~32(Auto Change) Channel Power : -20dBm	GPS L1 : 1575.42(±1.023)MHz GPS L2 : 1227.6(±1.023)MHz GL L1 : 1601.71875(BW=8.3345)MHz
AWGN	Channel Power : -30dBm	GPS L1 : 1575.42(±1.023)MHz GPS L2 : 1227.6(±1.023)MHz GL L1 : 1601.71875(BW=8.3345)MHz
Delay Repeater	GNSS Sig. Delay	GPS L1/L2, GLONASS L1

## General

Description	Specification	Remarks
Operating System	External CDU	Desktop, Laptop
Remote Interface	RS232	

## CDU

