

AJ Test Equipment (Jamming Signal Generator)

OBJ II

General Description

- OBJ II AJ test equipment is designed to support all GPS anti-jamming test requirements.
- 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 the susceptibility of GNSS receivers on intentional or unintentional interferences, the performance of which is a significant requirement for airborne, automotive, defense, and mobile phone applications.



Electrical Specifications

ITEM	Specifications	Remarks(Opt.)
Control	External CDU/ Profile Setting & Stand Alone Operation	
Interface	RS232	
Output Power Range	-100dBm ~ -20dBm	CW basis
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	
Supply Voltage	DC 28V(or 12V)	

Mechanical Specification

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



Jamming Signal Specifications

Jamming Signal	Specifications	Center Frequency
CW	Max. Output Power: -20dBm	GPS L1: 1575.42 MHz GPS L2: 1227.6 MHz GLONASS L1: 1602 MHz
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: 1575.42 MHz GPS L2: 1227.6 MHz GLONASS L1: 1602 MHz
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 Signal Delay	GPS L1/L2, GLONASS L1

General

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

CDU

