

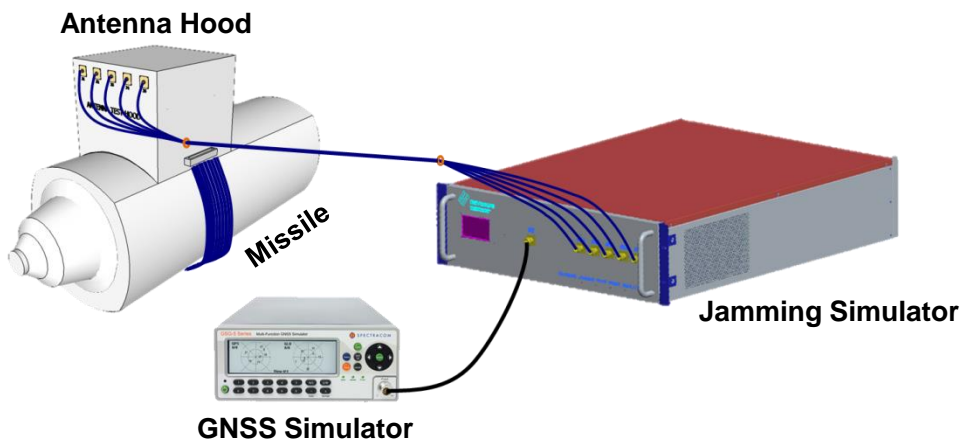
Digital GNSS Jamming Wave-front Simulator

■ System Overview

- Measure AJ performance on GPS L1/L2C, GLONASS L1 anti-jamming receivers
- Configure incoming jamming signals from all directions such as CW, Pulse, AWGN, AM, FM, etc.
- Modularized system to produce GPS L1, GPS L2 and GLONASS L1 jamming signals
- **Patent solution for installed systems equipped with GNSS AJ Receiver based array antenna**

■ Operating Features

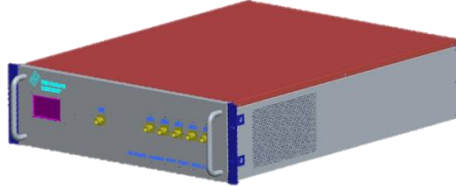
- Measure AJ performance on guided weapon systems
- Generate combining signals from jamming simulator & GNSS simulator
- Configurable radiation direction of jamming signals
- Radiated GNSS simulator signals from ceiling
- Configurable testing environment via each jamming signal types, direction, & intensity
- Self-checking for operating status using self-monitoring tools



❖ Antenna Hood is currently pending for patent applications

Digital GNSS Jamming Wave-front Simulator

■ Equipment Components



Antenna Hood	Jamming Simulator	Self-monitoring Tool
<ul style="list-style-type: none"> to have each port signal for incoming to deal with each element of array antenna anti-jamming receiver inspection on guided weapon installed status 	<ul style="list-style-type: none"> jamming signal delivery with entry angle simulation RF phase plane calculation on each element dealt with possible to combine & deliver GNSS signals 	<ul style="list-style-type: none"> jamming signal inspection through antenna hood RF output signal phase difference correction installed in antenna hood

■ System Specifications

Equipment	Item	Specifications	Options
Jamming Simulator	RF Frequency	GPS L1	GPS L2C, GLONASS L1
	Jamming Signal Type	CW, Multi-tone, Sweep CW, C/A code, AWGN, AM, FM, PM	Type/Bandwidth customization possible
	Jamming Signal Dynamic Range	-90dBm ~ -30dBm	CW signal basis
	Jamming Simulator Control	Control Program(Computer)	
	Communication	Ethernet / RS-232C	
	GNSS Signal Output	GNSS signal in phase output(ceiling direction)	GNSS input signal
	Operating Temperature	-10°C ~ 50°C	
	Size	483mm x 600mm x 132mm	19" 3U Rack
Antenna Hood	Power	220V AC	
	Support Array Antenna	Curved Array Antenna	
	Antenna Fixture	Fixing Screw	
Self-monitoring tool	Size	220mm x 230mm x 150mm	
	Signal Confirmation	Jamming simulator & GNSS signal delivery confirmed through antenna hood	Connector excluded
	RF Calibration	Phase contrast corrected on 5 antenna output port	
	Size	230mm x 220mm x 160mm	Connector excluded