



Spirent GNSS Simulators Product Range Orientation

Whatever your application, whatever the conditions and however extreme the environment, Spirent can provide a comprehensive test solution to support your GPS/GNSS projects. Spirent systems have been the choice of the world's major developers, integrators, manufacturers and test houses for almost 20 years. Today Spirent continues to invest in product development to ensure that it's products remain at the leading edge of GNSS testing.

Product Guide

	GPS		GLONASS	Galileo PLANNED
	L1	L1/L2		
Test stage				
Research and Development	GSS6560 STR4500	GSS7700	GSS7600	GSS7800
Integration	GSS6560 STR4500	GSS7700	GSS7600	
Production test	STR4500 GSS4200 GSS4100	GSS4730		
Application specific				
Multi-output¹	GSS7790	GSS7790		
Multiple antenna testing²	GSS6560	GSS7700		
Automotive IVNS testing	SimAUTO ³	SimAUTO ³		SimAUTO ³
LAAS simulation	GSS4150 ³	GSS4150 ³		GSS4150 ³
Pseudolite simulator	GSS4100-P			
Classified testing⁴				
M-code to ICD-GPS-700		SimMCODE		
SA/A-S		SimSAAS (USA) SimCLASS (non-USA)		
Other				
Remote control closed loop	SimREMOTE ³	SimREMOTE ³	SimREMOTE ³	SimREMOTE ³
Interference simulation	GSS4765 ³	GSS4765 ³	GSS4765 ³	GSS4765 ³
Maintenance and support	SimSUPPORT	SimSUPPORT	SimSUPPORT	SimSUPPORT

¹ One RF output per satellite. Typically used in conjunction with an anechoic chamber

² Up to 4 RF outputs supported in standard configurations

³ Requires host system running SimGEN for Windows® software

⁴ Authorisation required. Requires GSS7700 host system

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Summary features comparison

The following table outlines summary product features. Spirent's systems are designed to be flexible and scalable to meet specific customer requirements. Please contact your Spirent sales representative to discuss your specific requirements.

Note: This table summarises standard configurations only. Special configurations available.

	Systems Supported							Number of channels	Number of RF outputs	Software
	GPS				SBAS	GLONASS	Galileo			
	L1 C/A	L1 P-code M-noise	L2 P-code M-noise L2C	L5 I & Q	L1	L1	L1 E5ab E6			
GSS4100 	●				●			1	1	SimCHAN
GSS4200 	●							6	1	-
STR4500 	●				●			12	1	SimPLEX
GSS4730 	●		●*					4	1	SimPLEX 30
GSS6560 	●				●			12	1 to 4	SimGEN
GSS7600 						●		4 – 32 per chassis	1 to 4	SimGEN
GSS7700 	●	●	●	●	●			4 – 32 per chassis	1 to 7+	SimGEN
GSS7790 		●	●	●	●	●		4 – 32 per chassis	12 to 36	SimGEN
GSS7800 							●	4 – 32 per chassis	1 to 7+	SimGEN

*The GSS4730 L2 only and without M-noise