

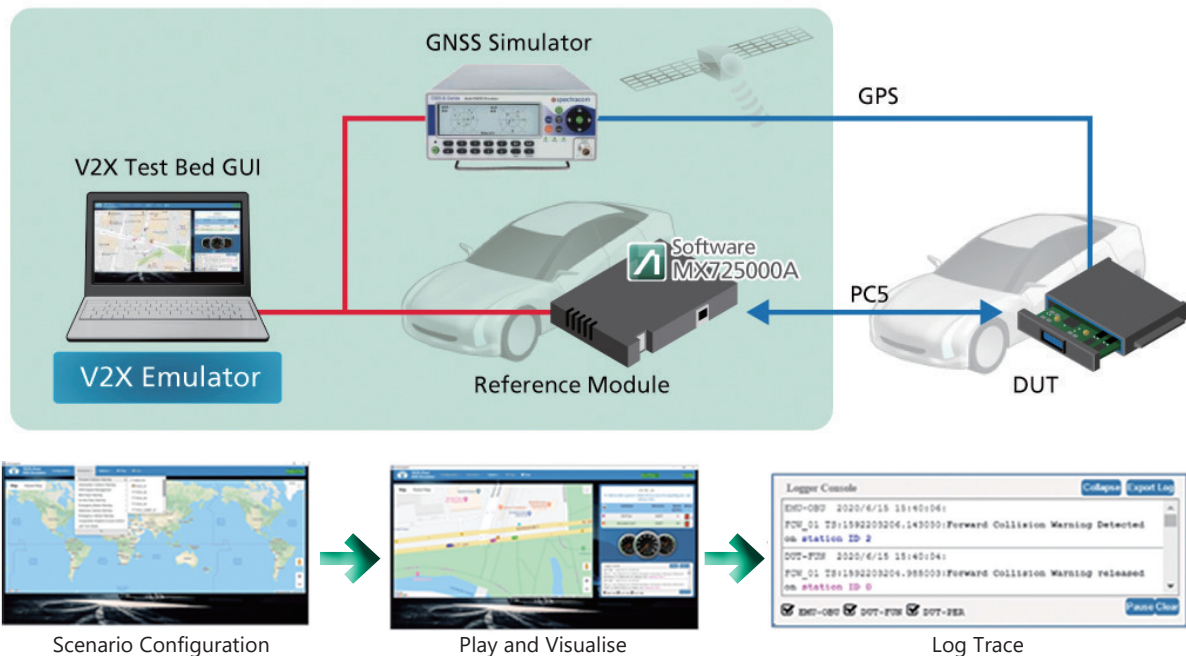
Cost-Effective Graphical Evaluation of C-V2X PC5 Communications Function

LTE V2X PC5 Communications Software MX725000A

V2V and V2I communications over the ITS-band PC5 interface are being developed to support the future expected widespread rollout of cellular V2X (C-V2X) applications. Conventional test environment was extremely expensive and required test scenario programming, causing problems for development engineers in securing adequate evaluation resources and bench time.

This solution uses Anritsu's LTE V2X PC5 Communications Software to link the C-V2X communications reference module and GNSS simulator with the Tata Elxsi V2X Emulator to support programming-free graphical evaluation of PC5 communications and cut C-V2X development time and costs.

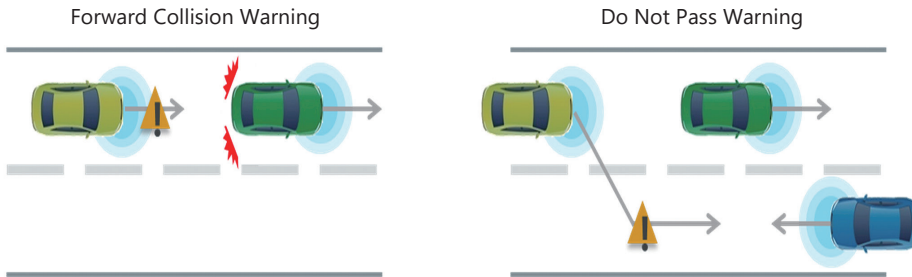
System Configuration



Functions/Traffic Scenarios

FCW (Forward Collision Warning)	SVW (Stationary Vehicle Warning)
ICW (Intersection Collision Warning)	EVW (Emergency Vehicle Warning)
HLN (Hazardous Location Warning)	CACC (Cooperative Adaptive Cruise Control)
BSW (Blind Spot Warning)	LTA (Left Turn Assist)
DNPW (Do Not Pass Warning)	AVW (Abnormal Vehicle Warning)
EBW (Emergency Brake Warning)	CLW (Control Loss Warning)
SLW (Speed Limit Warning)	GLOSA (Green Light Optimized Speed Advisory)

Typical Usage Cases



Ordering Information

Please specify the model/order number, name and quantity when ordering.
The names listed in the chart below are Order Names. The actual name of the item may differ from the Order Name.

Model	Name	Qty	Remarks
Software			
MX725000A*1	LTE V2X PC5 Communication Software	1	
TATA-V2XE-ADV*2	V2X Emulator	1	Tata Elxsi software
TATA-V2XE-ADV-AMC*2	V2X Emulator 1 year support service	1	Annual technical support (unnecessary in first year)
Reference Module			
QC-V2X-00005*3	Reference Module	1	Intrinsyc Reference module
GNSS Simulator			
GSG-62*4	GNSS Simulator	1	Orolia GNSS simulator
OPT-RSG*4	RSG Option	1	
OPT01/07*4	Passive GNSS Antenna	1	Required for GNSS OTA connection
(Google Maps Platform)		1	Google Maps data contract
Accessories			
Z2017B*1	Standard PC	1	Dell PC
J1440A*1	LAN Cable	3	LAN cable
Z1858A*1	Divider (2 way)	1	RF Divider
J1795B*1	Coaxial Cable (SMA(M)-SMA(M), 1.0 m)	1	SMA Coaxial cable
StarTech/USB31000S*5	USB 3.0 to LAN Adapter	1	Recommended model
NETGEAR/GS105*5	5 Gigabit Ports Switching Hub	1	Recommended model

*1: Sold by Anritsu

*2: Sold by both Tata Elxsi and Anritsu

*3: Sold at Intrinsyc website

*4: Sold by local distributors of Orolia

*5: Commercially available products