VIAVI
VIAVI Solutions

EVOIA DRIVE TEST
R-RSP-ISTDx1y

Leading technology for troubleshooting and quality assessment
for MCX and private telecoms networks

Introducing the Responder Unit

The measuring test system can launch different scenarios with different types of calls (voice and data) and maintain them during all test duration.

To ensure a full end to end test system, a circuit switched responder unit with full capability must be located at the MSC side, as part of the VIAVI GSM-R air interface drive test setup, completing the measuring wagon solution.
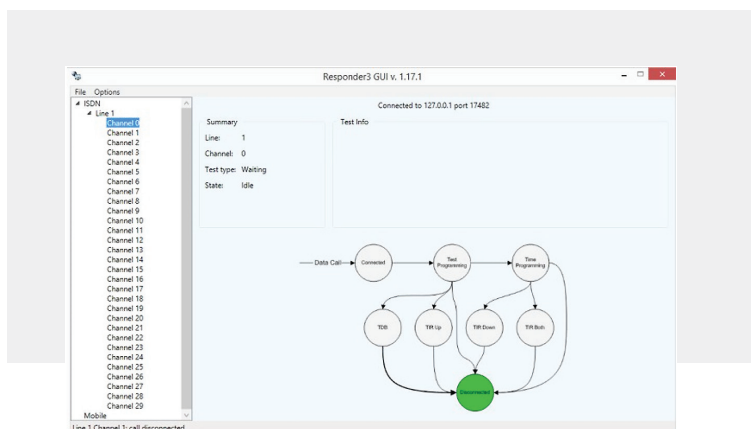
The circuit switched responder unit is used for terminating mobile originated voice and data calls. It is compliant with the O-2475 v3.0 and v4.0 ERTMS/GSM-R Quality of Service Test Specification as part of the Subset-093 requirements.

The measuring test system is able also to launch scenarios on packed switched test; in this case responder unit is used for:

• terminating packed switch test compliant with the

  O- 2475 v4.0.0 ERTMS/GSM-R Quality of Service Test Specification as part of the Subset-093 requirements

Key Benefits

• Interface with ISDN (PRI – Primary Rate Interface)

• Automatic answer for Voice and Data Call

• Automatically generate Voice Call (MOC)

• Simple to plug and play on-board installation: documentation and support for third party installation and configuration

• Test and measure: public and private telecoms networks

• Real-time, continuous availability for up to 24/24

• Robust and reliable solution

• Low product lifecycle costs with a compelling Return on Investment (ROI)

R-RSP-ISTDx1y

Key Features	R-RSP-ISTDx1y		
Product number	R-RSP-ISTDx1y (x: 6 = Rack 19 in., 8 = Desktop; y: 1 = 230 VAC, 2 = 48 VCC)		
Dimension	W:542 mm, H:402 mm, D:220 mm		
Weight	x: 6 16 Kg, x: 8 6 Kg		
Power	x: 6, 8 = 230 VAC, x: 6 = 48 VCC		
Network testing supported	2G, 2G-Rail, 3G, 4G-VoLTE		
Testing for	Voice Call, Voice Quality PESQ, Subset 093 Data Call, Subset 093 GPRS		
Data Transfer	Ethernet		
Software operating system	Attended Mode: Software installed on an external PC or laptop Unattended		
	Mode: Software installed on an internal URD		
Operational mode	Attended or Unattended mode		
Time Sync	Internal GPS		
Post-processing capabilities	After post-processing, data can be exported in .csv format, to be re-used in 3rd party applications		
Devices supported	**Vendor**	**Type**	
	Sangoma	ISDN DIVA SERVER	PRI 30
Solution	Certified and customized solutions (software and hardware) available		

R-RSP-ISTDx1y continued

Hardware Components

Catalog Number	Description
R-RSP-ISTD611	Responder ISDN 19 in. 230 VAC
R-RSP-ISTD612	Responder ISDN 19 in. 48 VDC
R-RSP-ISTD811	Responder ISDN Desktop 230 VAC
R-RSP-ISDN-E101	ISDN E1 Diva Server PN 306-304

Software Components

Catalog Number	Description
R-DT-ARESP-CS	Responder Automatic: O-2475 CS (V3 and V4.0.0) Voice MTC tests
R-DT-ARESP-PS	Responder Automatic: O-2475 PS (V4.0.0)
R-DT-ORESP-PESQ	Option for Responder Automatic: Voice Quality testing PESQ
R-DT-ORESP-POLQ	Option for Responder Automatic: Voice Quality testing POLQA

Optional Accessories

Catalog Number	Description
C-ACC-KVM11	Accessories: KVM Console 230 VAC
C-ACC-KVM12	Accessories: KVM Console 48 VCC
C-ACC-MON11	Accessories: Monitor 22 in.
C-ACC-KYM10	Accessories: Keyboard UK and Mouse

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viavisolutions.com/railway

Contact Us   +39 011 4532181
To reach the VIAVI office nearest you, visit viavisolutions.com/contact