



DMRA INTEROPERABILITY SUMMARY TEST PROGRAM

DMR Tier II Interoperability Test Report

DMR ASSOCIATION

Document Name: Vertex-Selex Elsas Test Summary June 2011
 Dates of Report : 16th June 2011
 DMR Association Test Laboratory Code: DMRA:IOP:10.01.11
 DMR Association_TIER_II_Interoperability_Test_Laboratory Location: 1301 E Algonquin Rd, Schaumburg, IL 60196, USA
 Date(s) of Test : 15th June 2011

Equipment Details:

Manufacturer A DMR Equipment System Tested	
Manufacturer	Selex Elsas – Base Station
Model	ECOS-D RBS4000H U1025W
	ID
	4by-bn000006-x
	Version
	4.1.0.2
Firmware	77DSYNC000020
	07
	77DPARF000020
	06
	77DRTXD000040
	20
	77SWIT0000020
	06
Operating Freq. Range	400 – 470 MHz
Serial Number(s)	270869

Manufacturer B DMR Equipment System Tested	
Manufacturer	Vertex Standard – Mobile Station
Model	AC102U001-VX
Firmware	R01.07.04
Operating Freq. Range	403 – 470 MHz
Serial Number(s)	0N220020, 0N220018, 0N220016, 0N220019

Testers Initials: AA Approver Initials: NK



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Test Sessions Verdicts

[1] Interoperability Testing For DMR Tier 2 Systems - Mandatory V. 1.0.2

Test Session	Feature	Feature's Status	Verdict	Comments
[1] – 2.3 Group Call	Group Call in repeater mode	M	P	Tested the following functionalities : Repeater mode : Channel Access, BS Activation, Voice Repeating, Call Hangtime, Late Entry.
[1] – 2.4 Individual Call – PATCS	Individual PATCS call in repeater mode	M	P	Tested the following functionalities : Repeater mode : Channel Access, BS Activation, Voice Repeating, Call Hangtime, Late Entry
[1] – 2.5 Individual Call – OACSU	Individual OACSU call in repeater mode	M	P	Tested the following functionalities : Repeater mode : Channel Access, BS Activation, Voice Repeating, Call Hangtime
[1] – 2.6 All Call	All Call in repeater mode	M	P	Tested the following functionality : Repeater mode : Channel Access, BS Activation, Voice Repeating, Late Entry.

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[1] Interoperability Testing For DMR Tier 2 Systems - Optional V. 1.0.2

Test Session	Feature	Feature's Status	Verdict	Comments
[1] – 2.3 Radio Check	Radio Check in repeater mode	O	Passed	Tested the following functionalities : Channel Access, BS Activation, Radio Check initiation and response
[1] – 2.4 Call Alert	Call Alert in repeater mode	O	Passed	Tested the following functionalities : Channel Access, BS Activation, Call Alert initiation and response
[1] – 2.5 Radio Disable/Enable	Radio Disable/Enable in repeater mode	O	Passed	Tested the following functionalities : Channel Access, BS Activation, Radio Disabling, Re enabling the disabled radio
[1] – 2.6 Remote Monitor	Remote Monitor in repeater mode	O	Passed	Tested the following functionalities : Channel Access, BS Activation, Initiating Remote Monitor, Voice repeating from a radio being monitored.
[1] – 2.7 Emergency Alarm	Emergency Alarm in repeater mode	O	Passed	Tested the following functionalities : Channel Access, BS Activation, Emergency Alarm initiation and response
[1] – 2.8 Emergency Call	Emergency Call in repeater mode	O	Passed	Tested the following functionalities : Channel Access, BS Activation, Emergency voice repeating, Group voice repeating, Late Entry

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Testers Initials: NA Approver Initials: NK