DMR ASSOCIATION INTEROPERABILITY TEST SUMMARY

DMR

DMR Tier II Interoperability Test Report

DMR ASSOCIATION

Document Name:	Motorola Solutions – Radio Activity Test Summary June 2016
Dates of Report:	16th June 2016
DMR Association Test Laboratory Code:	DMRA102
DMRAssociation_TIER_II_Interoperability_Test_Laboratory Location:	Via De Notaris 50, 20128 Milan, Italy
Date(s) of Test:	16th June 2016

Equipment Details:

Manufacturer A DMR Equipment System Tested	
Manufacturer	Radio Activity – Base Station.
Model	Master and Satellite: KA-450, KAIROS Family
Firmware	TRX: 1.6.1.0, DSP: 4.34
Operating Freq. Range	400 to 470 MHz
Serial Number(s)	Master: 450KA3536, Satellite: 450KA3539

Manufacturer B DMR Equipment System Tested	
Manufacturer	Motorola Solutions
Model	DP4801 (XPR 7550)
Firmware	R02.60.03
Operating Freq. Range	403 to 527 MHz
Serial Number(s)	871TRXD184, 871TRVS212, 871TRXB367, 871TRXB345

Testers Initials: _(signature)_   Approver Initials: _(signature)_

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DMR ASSOCIATION

Test Sessions Verdicts

[1] Interoperability Testing For DMR Tier 2 Systems - Mandatory V. 1.0.3

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. 1.0.3

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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[1] Interoperability Testing For DMR Tier 2 Systems – Data Features V. 1.0

Test Session	Feature	Feature's Status	Verdict	Comments
[1] – 2.3 Individual Text Message	Individual Text Message in repeater mode	O	Passed	Tested the following functionalities: Channel Access, BS Activation, Individual Text Message initiation and response, UDP /IPv4 Header Compression with ¾ rate FEC and L2 confirmed delivery
[1] – 2.4 Group Text Message	Group Text Message in repeater mode	O	Passed	Tested the following functionalities: Channel Access, BS Activation, Group Text Message initiation, UDP /IPv4 Header Compression with ½ rate FEC and L2 unconfirmed delivery

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Testers Initials: _[signature]_ Approver Initials: _[signature]_