



DMR ASSOCIATION INTEROPERABILITY TEST SUMMARY

DMR Tier II Interoperability Test Report

DMR ASSOCIATION

Document Name: Motorola Solutions – Radio Activity Test Summary April 2014

Dates of Report : 17th April 2014

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 - 17th April 2014

Equipment Details:

Manufacturer A DMR Equipment System Tested	
Manufacturer	Radio Activity – Base Station.
Model	Master, Satellite1, Satellite2 : RA-450
Firmware	TRX: 0.9.f.5, DSP: D002-00
Operating Freq. Range	407 – 470 MHz
Serial Number(s)	Master: 450RA2347, Satellite1: 450RA2348, Satellite2: 450RA2349

Manufacturer B DMR Equipment System Tested	
Manufacturer	Motorola Solutions
Model	DP4801, DP1400, DP2600
Firmware	R02.30.01, R01.00.00
Operating Freq. Range	DP4801, DP2600 :403 – 527 MHz. DP1400 : 403 – 470 MHz.
Serial Number(s)	8711TPZE477, 8711TPV7064, 867TNNM2058, 752TPPP4597

Testers Initials: RL

Approver Initials: RM



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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	0	Passed	Tested the following functionalities : Channel Access, BS Activation, Radio Check initiation and response,
[1] – 2.4 Call Alert	Call Alert in repeater mode	0	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	0	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	0	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	0	Passed	Tested the following functionalities : Channel Access, BS Activation, Emergency Alarm initiation and response
[1] – 2.8 Emergency Call	Emergency Call in repeater mode	0	Passed	Tested the following functionalities : Channel Access, BS Activation, Emergency voice repeating, Group voice repeating, Late Entry

Date of report issue: 17th April 2014.

Testers Initials: ML

Approver Initials: RM