



# DMRA INTEROPERABILITY SUMMARY TEST PROGRAM

## DMR Tier II Interoperability Test Report

DMR ASSOCIATION

Document Name: Vertex-Motorola Solutions Test Summary June 2011  
 Dates of Report : 17<sup>th</sup> June 2011  
 DMR Association Test Laboratory Code: DMRA:OP:10.01.11  
 DMR Association\_TIER\_II\_Interoperability\_Test\_Laboratory Location: 1301 E Algonquin Rd, Schaumburg, IL 60196, USA  
 Date(s) of Test : 13,14,16,17 June 2011

### Equipment Details:

<b>Manufacturer A Equipment System Tested</b>	
Manufacturer	Vertex Standard
Model	Base Station : AC103U001-VX. Mobile Station : AC102U001-VX
Firmware	Base Station : R01.07.02. Mobile Station : R01.07.04
Operating Freq. Range	403 – 470 MHz
Serial Number(s)	Base Station : 1G130033. Mobile Station : 0N220020, 0N220018, 0N220016, 0N220019

<b>Manufacturer B DMR Equipment System Tested</b>	
Manufacturer	Motorola Solutions Inc
Model	Base Station : MOTOTRBO XPR8300. Mobile Station: MOTOTRBO XPR6550
Firmware	Base Station : R01.08.00. Mobile Station : R01.08.00
Operating Freq. Range	403 – 470 MHz
Serial Number(s)	Base Station : 484TLQ4843. Mobile Station : 037TLGF219, 037TLGF222, 037TLGF223, 037TLGD429

Testers Initials: AA Approver Initials: NK



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### Test Sessions Verdicts

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

Date of report issue: 17<sup>th</sup> June 2011

Testers Initials: AK Approver Initials: NK



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### Test Sessions Verdicts

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

Date of report issue: 17<sup>th</sup> June 2011

Testers Initials: AK Approver Initials: PK