



DMR ASSOCIATION INTEROPERABILITY TEST SUMMARY

DMR Tier III Interoperability Test Report 3346

DMR ASSOCIATION

Document Name: Hytera_Communications_Co_Ltd_Tait_Electronics_Ltd_TIER_3_March_2012_Summary
 Date of Issue : 30 May 2012
 DMR Association Test Laboratory Code: DMRA:IOP:11.01.011
 DMRAssociation_TIER_III_Interoperability_Test_Laboratory Location: 535 Wairakei Road, Christchurch 8053, New Zealand
 Date(s) of Test : 20-23 March 2012

Equipment Details:

Manufacturer A DMR Equipment System Tested	
Manufacturer	Tait Electronics Ltd
Model	DMR Trunked Radio System
Firmware	01.04.08 System, dmr-alpha-0.02 reciters
Operating Freq. Range	136 - 174 MHz
Serial Number(s)	18129340, 18129342, 18129336, 18140545, 1145FMK004

Manufacturer B DMR Equipment System Tested	
Manufacturer	HYTERA Communications Co. Ltd
Model	PD 780G
Firmware	A4.06.04.000
Operating Freq. Range	136 – 174 MHz
Serial Number(s)	201203161, 201203162, 201203163, 201203164 201203165, 201203166, 201203167, 201203168

Testers Initials: SA Approver Initials: SA



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Test Sessions Verdicts

[1] Interoperability Testing for DMR Tier III Systems V1.0

Test Session	Feature	Feature's Status	Verdict	Comments
[1] - 2.3.1 Registration	Registration	M	Passed	Tested the following functionalities: Registration accepted, registration refused, De-registration
[1] - 2.3.2 Talk group voice call service single site	Talk group voice service on single site	M	Passed	Tested the following functionalities: Call granted message trunked, call denied, call request queued, broadcast
[1] - 2.3.4 Individual voice call service single site, single frequency pair using OACSU	Individual voice service on single frequency pair using OACSU	M	Passed	Tested the following functionalities: Call granted
[1] - 2.3.5 Individual voice call service single site, using OACSU	Individual voice service on single site using OACSU	M	Passed	Tested the following functionalities: Call granted, call denied, call request queued
[1] - 2.3.7 Individual voice call service single site, using FOACSU	Individual voice service on single site using FOACSU	M	Passed	Tested the following functionalities: Call accepted, call declined
[1] - 2.3.9 Hunting	Radio is capable to re-acquire service	M	Passed	Tested the following functionalities: Radio goes into hunting when losing control channel and is able to register once control channel is available.
[1] - 2.3.10 Short data message single site	Short data message single site	M	Passed	Tested the following functionalities: Short data messaging

Testers Initials: GJP Approver Initials: SJD



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[1] Interoperability Testing for DMR Tier III Systems V1.0

Test Session	Feature	Feature's Status	Verdict	Comments
[1] - 2.3.3 Talk group voice call service multi site	Talk group voice service on multi site system	0	Passed	Tested the following functionalities: Call granted message trunked, call request queued, broadcast
[1] - 2.3.6 Individual voice call service multi site, using OACSU	Individual voice service on multi site using OACSU	0	Passed	Tested the following functionalities: Call granted, call request queued
[1] - 2.3.8 Individual voice call service multi site, using FOACSU	Individual voice service on multi site using FOACSU	0	Passed	Tested the following functionalities: Call accepted, call denied
[1] - 2.3.11 Short data message multi site	Short data message on multi site	0	Passed	Tested the following functionalities: Short data messaging

Testers Initials: GL Approver Initials: SA