DMR ASSOCIATION INTEROPERABILITY TEST SUMMARY

DMR Tier II Interoperability Test Report

DMR ASSOCIATION

Document Name: *Caltta_Kirisun_Test_Summary_August2020*
Dates of Report : August 6, 2020
DMR Association Test Laboratory Code: *DMRA:IOP:11.04.14*
DMRAssociation_TIER_II_Interoperability_Test_Laboratory Location: 11F, Building G2, International E-City, Nanshan District, Shenzhen, P.R. China
Date(s) of Test : 31 July, 2020

Equipment Details:

Manufacturer A DMR Equipment System Tested	
Manufacturer	CALTTA TECHNOLOGIES CO., LTD.
Model	Base Station : PR900 Mobile Station: PH690
Firmware	Base Station : V1.50.07B01 Mobile Station: V3.06.05.B3
Operating Freq. Range	400-470MHz
Serial Number(s)	Base Station : 1234567890 Mobile Station: 321193232001,321193232035,321193232022,321193232012

Manufacturer B DMR Equipment System Tested	
Manufacturer	Kirisun Communications Co.,Ltd.
Model	Mobile Station: DP990
Firmware	Mobile Station: R5.17.182
Operating Freq. Range	400-470MHz
Serial Number(s)	Mobile Station: 418240120000071, 418240120000072, 418240120000073, 418240120000074

Testers Initials: Stone (Authorized by zhangzhi peng)
Huangguitm

Approver Initials: Stone (Authorized by Li zong zheng)

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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
[1] - 2.6 All Call	All Call in repeater mode and Direct Mode	M	P	Tested the following functionalities: Repeater mode: Channel Access, BS Activation, Voice Repeating, Late Entry Direct mode : Channel Access, Voice transmission, Late Entry

Date of report issue: 6 August, 2020

Testers Initials: _Stone(Authorized by Zhang Zhipeng)_ _Huangguilin_ Approver Initials: _Stone(Authorized by Li Zong Zheng)_

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

Date of report issue: 6 August, 2020

Testers Initials: Stone (Authorized by Zhengzhipeng) Huangguilin Approver Initials: Stone (Authorized by Lizong Zheng)

Equipment Details:

Manufacturer A DMR Equipment System Tested	
Manufacturer	CALTTA TECHNOLOGIES CO., LTD.
Model	Mobile Station: PH690
Firmware	Mobile Station: V3.06.05.B3
Operating Freq. Range	400-470MHz
Serial Number(s)	Mobile Station: 321193232001,321193232035,321193232022,321193232012

Manufacturer B DMR Equipment System Tested	
Manufacturer	Kirisun Communications Co.,Ltd.
Model	Base Station: TR850 Mobile Station: DP990
Firmware	Base Station: R4.32.083 Mobile Station: R5.17.182
Operating Freq. Range	400-470MHz
Serial Number(s)	Base Station: 410034243500082 Mobile Station: 418240120000071, 418240120000072, 418240120000073, 418240120000074

Testers Initials: *Stone (Authorized by Zhangzhipeng)* *Huangguilin* Approver Initials: *Stone (Authorized by Lizongzhouy)*

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
[1] - 2.6 All Call	All Call in repeater mode and Direct Mode	M	P	Tested the following functionalities: Repeater mode: Channel Access, BS Activation, Voice Repeating, Late Entry Direct mode : Channel Access, Voice transmission, Late Entry

Testers Initials: Stone (Authorized by Zhang Zhipeng) / Huangguita   Approver Initials: Stone (Authorized by Lizongzheng)

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

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