

# DMR ASSOCIATION INTEROPERABILITY TEST SUMMARY

### DMR Tier II Interoperability Test Report

DMR ASSOCIATION

Document Name: Caltta PR900\_Tait TP9500\_Test\_Summary\_November2020

Dates of Report: November 27, 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: 15 October, 2020

#### **Equipment Details:**

Manufacturer A DMR Equipment System Tested	ment 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	nent System Tested
Manufacturer	Tait International CO., LTD.
Model	Mobile Station: TP9500
Firmware	Mobile Station: QIDMR 2.26.06.0072
Operating Freq. Range	400-470MHz
Serial Number(s)	Mobile Station: 26254870, 26254876, 26254843, 26254852

Testers Initials: 2km Approver Initials:

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#### Test Sessions Verdicts

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

Date of report issue: 27 November, 2020

Testers Initials: 1/2/2019 Approver Initials:



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#### **Test Sessions Verdicts**

heck in repeater O P d Direct Mode rt in repeater O P d Direct Mode d Direct Mode fode mode and fode node and fode p mode and fode fode fode fode node and fode fode fode fode fode fode fode p mode and fode fode fode fode fode fode	Test Session	Feature	Feature's Status	Verdict	Comments
mode and Direct Mode  Call Alert in repeater O P mode and Direct Mode  Radio Disable/Enable in O P repeater mode and Direct Mode  Remote Monitor in O P repeater mode and Direct Mode  Emergency Alarm in O P repeater mode and Direct Mode  Emergency Call in O P P repeater mode and Direct Mode  Emergency Call in O P P	[1] - 2.3 Radio Check	Radio Check in repeater	0	P	Tested the following functionalities:
Call Alert in repeater  mode and Direct Mode  Radio Disable/Enable in O repeater mode and Direct Mode  Remote Monitor in repeater mode and Direct Mode  Emergency Alarm in repeater mode and Direct Mode  Emergency Call in repeater mode and Direct Mode  Emergency Call in repeater mode and Direct Mode		mode and Direct Mode			Channel Access, BS Activation(repeater mode only),
Call Alert in repeater O P mode and Direct Mode  Radio Disable/Enable in O P repeater mode and Direct Mode  Remote Monitor in O P repeater mode and Direct Mode  Emergency Alarm in O P repeater mode and Direct Mode  Emergency Call in O P P P P P P P P P P P P P P P P P P					Radio Check initiation and response.
Radio Disable/Enable in O P repeater mode and Direct Mode Direct Mode Remote Monitor in O P repeater mode and Direct Mode  Emergency Alarm in O P repeater mode and Direct Mode  Emergency Call in O P repeater mode and Direct Mode	[1] - 2.4 Call Alert	Call Alert in repeater	0	P	Tested the following functionalities:
Radio Disable/Enable in O P repeater mode and Direct Mode Remote Monitor in O P repeater mode and Direct Mode  Emergency Alarm in O P repeater mode and Direct Mode  Emergency Call in O P		mode and Direct Mode			Channel Access, BS Activation(repeater mode only),
Radio Disable/Enable in O P repeater mode and Direct Mode Remote Monitor in O P repeater mode and Direct Mode  Emergency Alarm in O P repeater mode and Direct Mode  Emergency Call in O P repeater mode and Direct Mode					Call Alert initiation and response.
repeater mode and Direct Mode Remote Monitor in Remote Monitor in Remote Mode Direct Mode O P P P P P P P P P P P P P P P P P P	[1] - 2.5 Radio Disable/Enable		0	P	Tested the following functionalities:
Direct Mode  Remote Monitor in  Remote Monitor in  O  P  repeater mode and Direct Mode  Emergency Alarm in  C  repeater mode and Direct Mode  Emergency Call in  repeater mode and Direct Mode  Direct Mode		repeater mode and			Channel Access, BS Activation(repeater mode only),
Remote Monitor in O P repeater mode and Direct Mode  m Emergency Alarm in O P repeater mode and Direct Mode Emergency Call in O P repeater mode and Direct Mode		Direct Mode			Radio Disabling, Re enabling the disabled radio.
repeater mode and Direct Mode  The Emergency Alarm in Orepeater mode and Direct Mode  Emergency Call in Orepeater mode and Direct Mode  Emergency Call in Orepeater mode and Direct Mode	[1] - 2.6 Remote Monitor	Remote Monitor in	0	P	Tested the following functionalities:
Direct Mode  Im Emergency Alarm in O P  repeater mode and Direct Mode  Emergency Call in O P  repeater mode and Direct Mode		repeater mode and			Channel Access, BS Activation(repeater mode only),
rm Emergency Alarm in O P repeater mode and Direct Mode Emergency Call in O P repeater mode and Direct Mode		Direct Mode			Initiating Remote Monitor, Voice repeating from a radio
repeater mode and Direct Mode Emergency Call in repeater mode and Direct Mode  O P					being monitored.
repeater mode and Direct Mode Emergency Call in repeater mode and Direct Mode	[1] - 2.7 Emergency Alarm	Emergency Alarm in	0	ט	Tested the following functionalities:
Direct Mode  Emergency Call in O P  repeater mode and Direct Mode		repeater mode and			Channel Access, BS Activation(repeater mode only),
Emergency Call in O P repeater mode and Direct Mode		Direct Mode			Emergency Alarm initiation and response.
	[1] - 2.8 Emergency Call	Emergency Call in	0	ď	Tested the following functionalities:
		repeater mode and			Channel Access, BS Activation(repeater mode only),
Entry.		Direct Mode			Emergency voice repeating, Group voice repeating, Late
					Entry.

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Testers Initials: 🎎 🎎 Approver Initials:\_\_\_\_

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