HYPER Taiwan Technology Inc.

Bluetooth® Qualification Test Report

Customer: Motorola Inc.

Date: 2010/08/19

CNLA/TAF Accredited Laboratory to ISO/IEC 17025

- for   the scope of *Bluetooth* Testing

Certificate Number 0916

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HYPER Taiwan Technology Inc. is a BLUETOOTH Qualification Test Facility (BQTF)

Job Number: 0021-2010Jul16

Signature

The below listed HYPER Taiwan Technology Inc.

Personnel take responsibility for the contents of this Test Report.

Date　:　　2010/08/19　　Reviewed/Approved by　: *Wein Kuo*

Table of Content

1. List of Revisions

Version	Date	Author(s)	Description
001	2010/08/19	Min-Hsun Chiang	Initial Version

2. Disclaimer Notice

This test report applies only to the IUT (Implementation Under Test) and the results of the specifications called out in this report.

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3. Company Information

3.1. Test Lab information

Company Detail	
Company Name	HYPER Taiwan Technology Inc., LTD
Address	4F, no.21, Ln.221, Ganggign Rd. Taipei114, Taiwan
TEL	+886-2-26573369
FAX	+886-2-26577584
URL	http://www.hypertaiwan.com.tw/

3.2. Customer information

Company Detail	
Company Name	Motorola Inc.
Address	MOTOROLA INC. One Motorola Plaza HOLTSVILLE, N.Y. 11742
Contact Person	Zhang XinJian
TEL	+86 10 84735117
E-mail Address	xinjian.zhang@motorola.com

4. Implementation Under Test

4.1. IUT Information

IUT Detail	
Product Name	Bluetooth Cradle
Product General Description	This device is a Bluetooth cradle for a hand held bar code reader using a Bluetooth radio to communicate to the charging cradle.The device uses a Broadcom Bluetooth radio capable of EDR transfer rates. The Bluetooth profiles will include Cradle, SPP, HID, profiles. The scanner supports Multi-Interface on Base (Incorporate TTL RS232, USB, Keyboard, IBM 468X/9X and Synapse.).7 scanners to 1 cradle multipoint capability, Support fast image transfer etc.
Product ID	CR0078
Date received	2010/07/21
Date(s) tested	2010/08/19
Condition of IUT	The IUT was received in good condition.
Hardware Version	Rev A
Software Version	Rev A
Specification Version	2.0+EDR
Product Type	End Product

4.2. List of Bluetooth Core Protocols supported

Bluetooth Core Protocols		
☒	RF	Radio Frequency
☒	BB	BaseBand
☒	LMP	Link Manager
☒	L2CAP	Logical Link Control and Adaptation Protocol
☒	SDP	Service Discovery Protocol
☒	GAP	Generic Access Profile
☐	HCI	Host Controller Interface

4.3. List of Bluetooth External to Core Protocols and Profiles supported

	Bluetooth External to Core Protocols and Profiles	
☐	A2DP 1.0	Advanced Audio Distribution Profile 1.0
☐	AVCTP 1.0	Audio / Video Control Transport Protocol 1.0
☐	AVDTP 1.0	Audio / Video Distribution Transport Protocol 1.0
☐	AVRCP 1.0	Audio / Video Remote Control Profile 1.0
☐	BIP	Basic Imaging Profile
☐	BNEP	Bluetooth Network Encapsulation Protocol
☐	BPP	Basic Printing Profile
☐	BPP1.2	Basic Printing Profile 1.2
☐	CTP	Cordless Telephony Profile
☐	DUN	Dial Up Networking Profile
☐	DID	Device ID
☐	FAX	FAX Profile
☐	FTP	File Transfer Profile
☐	GAVDP 1.0	Generic Audio/Video Distribution Profile 1.0
☐	HCRP	Hard Copy Cable Replacement Profile
☐	HCRP1.2	Hard Copy Cable Replacement Profile 1.2
☐	HFP1.5	Hands-Free Profile 1.5
☐	HDP	Health Device Profile
☐	HID	Human Interface Device Profile
☐	HSP	Headset Profile
☐	ICP	Intercom Profile
☐	IOPT	Interoperability Test Specification
☐	OPP	Object Push Profile
☐	MCAP	Multi-Channel Adaptation Protocol
☐	PAN	Personal Area Networking Profile
☐	PBAP	Phone Book Access Profile
☐	RFCOMM	RF COMM Protocol
☐	SAP	SIM Access Profile
☐	SDAP	Service Discovery Application Profile
☒	SPP	Serial Port Profile
☐	SYNC	Synchronization Profile
☐	VDP	Video Distribution Profile

4.4. List of Applicable Qualified Pre-tested Components

Bluetooth QDID	Product ID	Manufacturer
B012982	BCM2046	Broadcom Corporation
B015085	Bluetopia 2.1 Core	Stonestreet One, LLC

4.5. IUT Photographs

Profile

5. List of Test Equipment Used

5.1. Test Equipment for Profile

Description	Manufacturer	Operating	Cal. Date/Due
PTS	Bluetooth SIG	N/A	N/A

6. Reference Test Requirement Document

Description	Document Version
TCRL	TCRL_Profile_2009-1
Test Specification for IOPT Profile	IOPT.TS/2.1.E.0

7. Test Summary

Test Item	Test Verdict	Note
IOPT	PASS	See detail test result in Part A

Part A: Profile Interoperability Test Report

Part A

Profile Interoperability Test Report

Product Name：Bluetooth Cradle

Signature

The below listed HYPER Taiwan Technology Inc.

Tested by：   Reviewed/Approved by ：

Date ：   2010/08/19

Table of Content

1. Implementation Conformance Statement

1.1. Interoperability Test Specification (IOP)

Interoperability Test Specification

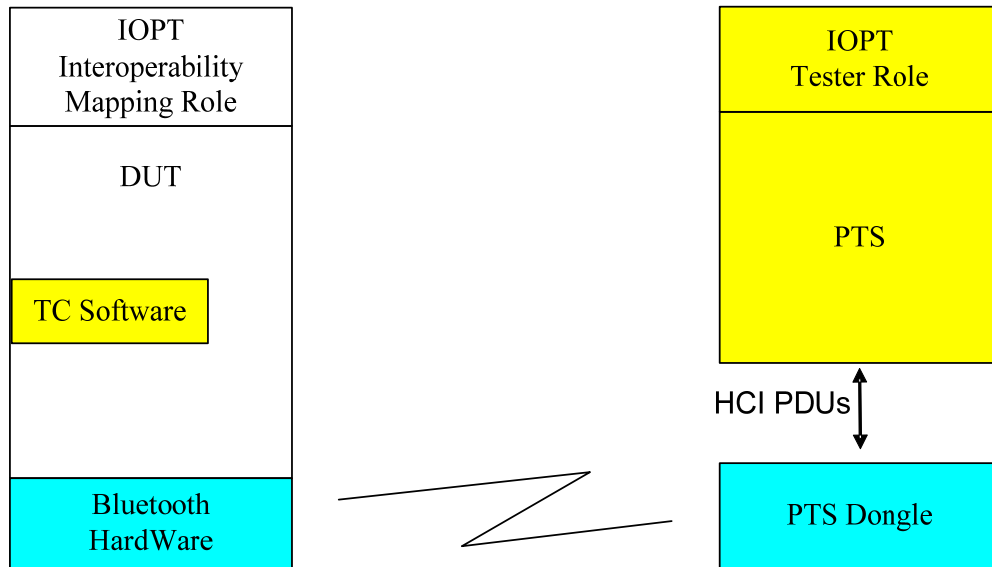| Item	Capability	Status	Support
1	Interoperability	M	Yes

2.   Test Summary

2.1. IOPT

2.1.1.   Test Platform for IOPT

2.1.2.   Test Case Result for IOPT

TC identifier	Verdict	Execution Date	Platform	Software Version
TP/COD/BV-01-I	N/A			
TP/SDAS/BV-03-I	Pass	2010/08/19	PTS	v.3.3.2.4
TP/SDSS/BV-02-I	Pass	2010/08/19	PTS	v.3.3.2.4

Appendix A: <u>Test Case Description</u>

IOPT

TC identifier	Description	Cat.
TP/COD/BV-01-I	Class-of-Device	B
TP/COD/BV-02-I	Class-of-Device	B
TP/SDSS/BV-02-I	Service Discovery – Service Search	B
TP/SDAS/BV-03-I	Service Search – Attribute Search	C
TP/SDR/BV-04-I	Service Search – Response	B

Appendix B: <u>Test Data</u>

1. Test Data for Interoperability Testing ： Test Evidence for Interoperability Test.zip