

MOBILE DEVICES BUSINESS

PRODUCT SAFETY AND COMPLIANCE EMC LABORATORY

EMC TEST REPORT - Addendum

Test Report Number -23314-1 BT

Report Date - 2009-9-29

The test results contained herein relate only to the model(s) identified. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics.

Signature: Name: Lei Yang

Title: EMC Project Manager Test: 2009-08-26 to 2009-09-28

As the responsible test lab manager, I hereby declare that the model tested as specified in this report conforms to the requirements indicated.

Signature: Name: Yilin Zhao

Title: Test Lab Manager Date: 2009-10-27

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laboratory.

FCC Registration Number: 177885 IC Registration Number: 109AW-1

ADR Testing Service location ADR BJ ISO/IEC-17025:2005 accredited by UKAS

Test Report Number: 23314-1 1 of 30 EXHIBIT 6A2

APPLICANT: MOTOROLA INC

FCC ID: IHDP56KD1

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Test Report Number: 23314-1 2 of 30 FCD-1756, Rev 4

Test Report Details

Tests Performed By: Motorola (China) Technologies Ltd.

Asia Global Compliance Labs No.1 Wang Jing East Road

Chao Yang District

Beijing, 100102, P. R. China Phone: +86 10 8473 2610

FCC Registration Number: 177885 IC Registration Number: 109AW-1

Tests Requested By: Motorola Inc.

Mobile Devices business 600 North US Hwy 45 Libertyville, IL 60048

Product Type: Cell phone with embedded Bluetooth

Signaling Capability: WCDMA 850/1900/2100, GSM

850/900/1800/1900, HSDPA 7.2 Mbps

(Category 7/8), HSUPA 5.76 Mbps (Category 6), EDGE Class 12, GPRS Class 12, aGPS, Bluetooth Version 2.0, 802.11b/802.11g

IMEI: 004401027324603

FCC ID: IHDP56KD1

Project number: 23314-1

Testing Complete Date: 10/27/2009

Test Report Number: 23314-1 3 of 30 EXHIBIT 6A2

Applicable Standards

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-part J as well as the following parts:

Χ	Part 15 Subpart C – Intentional Radiators
	Part 22 Subpart H - Public Mobile Services
	Part 24 - Personal Communications Services
	Part 27 - Wireless Communications Service
	Part 90 - Private Land Mobile Radio Service

Applicable Standards: ANSI C63.4-2003, RSS-Gen Issue 2, RSS-210 Issue 7.

The following tests were performed according to the regulations:

- The spurious radiated emission requirements of § 15.247(d) of CFR47
 Part 15 2006, specifically" radiated emissions which fall in the restricted
 bands, as defined in Section 15.205(a), must also comply with the
 radiated emission limits specified in Section 15.209(a) (see Section
 15.205(c)).
- Under this project only 30 to 1000 MHz, 1 to 26.5 GHz radiated emissions and radiated band-edge measurements were performed.
- For frequencies below 1 GHz a 100 kHz RBW (6 dB) is used and above 1 GHz a 1 MHz RBW (6 dB) is used.

Test Report Number: 23314-1 4 of 30 EXHIBIT 6A2

Summary of Testing

Test	Test Name	Pass/Fail
1 2	Field Strength of Spurious Emissions Band-edge Compliance of RF Radiated Emissions	Pass Pass
Test	Test Name	Results
1 2	Field Strength of Spurious Emissions Band-edge Compliance of RF Radiated Emissions	See plots See plots

The margin with respect to the limit is the minimum margin for all modes and bands.

General and Special Conditions

The test sample was tested using a fully charged battery when applicable. Where a battery could not be used due to the need for a controlled variation of input voltage, an external power supply was utilized.

All testing was done in an indoor controlled environment with an average temperature of 25 $^{\circ}$ C \pm 1 $^{\circ}$ C and relative humidity of 45 % \pm 6 % over the dates used for testing.

Test Report Number: 23314-1 5 of 30 EXHIBIT 6A2

Equipment and Cable Configurations

The test sample was tested in a stand-alone configuration that is representative of typical use.

Measuring Equipment and Calibration Information

Equipment related to the semi-anechoic chamber testing:

Equipment	Model/type	Serial	Operational	Date of
		number	range	calibration
EMI analyzers	ESU 40	100036	20 Hz – 40 GHz	12.11.2008
Pre Amplifiers	PA-02-0001:	2007343	(10 kHz – 3 GHz)	06.26.2009
	PA-02-218	2007344	3 GHz – 18 GHz	06.26.2009
	PA-02-5	2007345	18 GHz – 40 GHz	06.26.2009
Radio com. Tester	CMU 200	112790	GSM 850/900/1800/1900 IS95, UMTS, CDMA, Bluetooth	N/A
Band Reject Filter	WRCD	N/A	GSM 850/900/1800/1900 IS95, UMTS, CDMA	N/A
	4N45-24241/3/6	N/A	WLAN	N/A

The antennas used in the various tests are listed in the below table. The log-periodic antenna is used as communication and link establishment antenna for Bluetooth.

Antenna	Type	Serial number	Operational	Date of calibration
Habrid Inc. and 41.	TDV III D 2002C		range	
Hybrid-log periodic	TDK HLP 3003C	130361	30 MHz – 3 GHz	11.06.08
Double ridged Horn	TDK HRN0118	130303	1 GHz – 18 GHz	03.26.08
Double ridged Horn	ETS HRN3116	00071938	18 GHz – 40 GHz	07.10.08

Note that the hybrid antenna and horn antenna are on a three-year calibration cycle. All other equipments are on a one-year calibration cycle.

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Description of Bluetooth (BT) Transmitter

The 23314-1 cell phone sample offers Bluetooth as a feature. The Bluetooth spread-spectrum, frequency hopping transceiver is designed to operate between 2400 and 2483.5 MHz. The Bluetooth antenna is mounted on the PCB inside of the EUT. The antenna installation is permanent. For a more thorough description of the functionality please refer to Exhibit 12 of this package.

As a Bluetooth transmitter, it is designed operate with other Bluetooth devices as defined by the industrial standard. In this application, the test sample is battery-operated.

Test Report Number: 23314-1 7 of 30 EXHIBIT 6A2

Measurement Procedures and Data

FIELD STRENGTH OF SPURIOUS EMISSIONS

CFR Part 2.1053, 15.205, 15.209, 15.247

Measurement Procedure

The test sample is placed inside the semi-anechoic chamber on a polystyrene table at the turntable center. For each spurious frequency, the antenna mast is raised and lowered from 1 to 4 meters and the turntable is rotated 360 degrees to obtain a maximum reading on the spectrum analyzer. This is repeated for both horizontal and vertical polarizations of the receive antenna.

For 30 MHz – 18 GHz:

Field Strength ($dB\mu V/m$) = EMI Receiver Level ($dB\mu V$) + Cable Loss (dB) -

Amplifier Gain (dB) + Filter loss (dB) + Antenna

Correction Factor (3/m)

For 18 GHz – 26.5 GHz:

Field Strength (dBμV/m) = EMI Receiver Level (dBμV) + Cable Loss (dB) -

Amplifier Gain (dB) + Filter loss (dB) + Antenna

Correction Factor (1/m)

A fully charged battery was used for the supply voltage.

The test sample was operated during the measurements under the following conditions:

- Tests were performed at low, mid and high channels.
- Tests were performed in both horizontal and vertical polarity.

Measurement Results

For peak emissions detected above 1 GHz, only those emissions that are higher than the AVG limit line plus 8 dB are selected for final emission analysis.

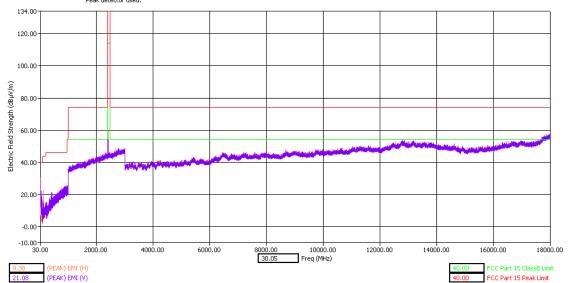
Test Report Number: 23314-1 8 of 30 EXHIBIT 6A2

APPLICANT: MOTOROLA INC

FCC ID: IHDP56KD1

Test title: FCC 15.205, 15.209, 15.247
Operator name: Hongshi Sun
EUIT type: Motus, IMEI:004401027324603, Open
EUT condition: HW:P3
Date: 9/22/2009
Time: 9:12:29 AM

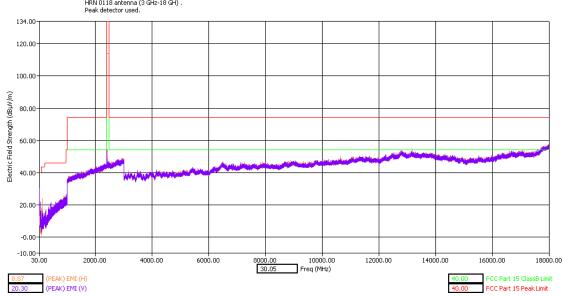
HWI-P3
9/22/2009
9:12:29 AM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 00 (2402 MHZ) do in test mode. Orientation X=H
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (3 GHz-18 GH),
Peak detector used.



30 MHz – 18 GHz Low Channel Dual Polarization X – slider open

Test title: FCC 15.205, 15.209, 15.247
Operator name: Hongzhi Sun
EUT type: Motus, IMEI:004401027324603, Close
EUT condition: HW:P3

HWI-P3
9/22/2009
6/15:52 AM
FCC 15:5247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. no (2402 MHZ) do in test mode. Orientation X=H
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (3 GHz-18 GH).
Deak deberby rised. Comments:



30 MHz - 18 GHz Low Channel Dual Polarization X - slider closed

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APPLICANT: MOTOROLA INC

FCC 15.205, 15.209, 15.247 Test title: PCC 15.205, 15.209, 15.247
Operator name: Haillang, Tang
EUT type: Motus, IME: 004401027324603, Open
EUT condition: HW:P3
Opate: 9/21/2009
Time: 10:18:04 PM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 00 (2402 MHz) do in test mode. Orientation Y=V
HLP 3003C antenna (30 MHz - 3 GHz).
HNN 0118 antenna (3 GHz - 18 GH) .
Peak detector used. Test title:

134.00 120.00 100.00 Electric Field Strength (dBµV/m) 80.00 60.00 20.00 -10.00 30.00 10000.00 Freq (MHz) 7.63 (PEAK) EMI (H) 18.88 (PEAK) EMI (V)

FCC ID: IHDP56KD1

FCC Part 15 Peak Limit

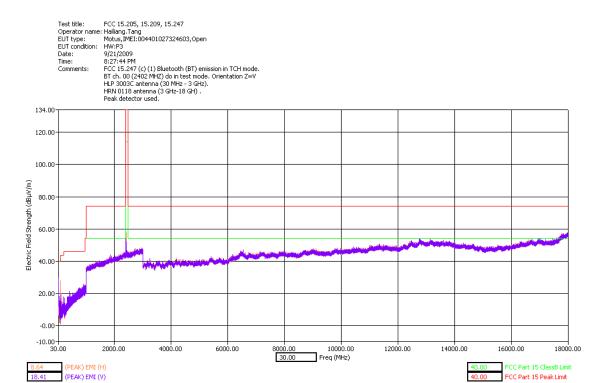
30 MHz - 18 GHz Low Channel Dual Polarization Y - slider open

Test title: FCC 15.205, 15.209, 15.247 Test title: FCC 15.205, 15.209, 15.247
Operator name: Hongshi Sun
EUT type: Motus, IME1:004401027324603, Close
EUT condition: HW-P3
Date: 9/22/2009
Time: 8:16:20 AM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 00 (2402 MH2) do in test mode. Orientation Y=V
HLP 3003 Canterna (30 MHz - 3 GHz).
HRN 0118 anterna (3 GHz-18 GH) .
Peak detector used.

134.00 120.00 100.00 Electric Field Strength (dBµV/m) 80.00 60.00 40.00 20.00 -10.00 | 30.00 10000.00 Freq (MHz) 16000.00

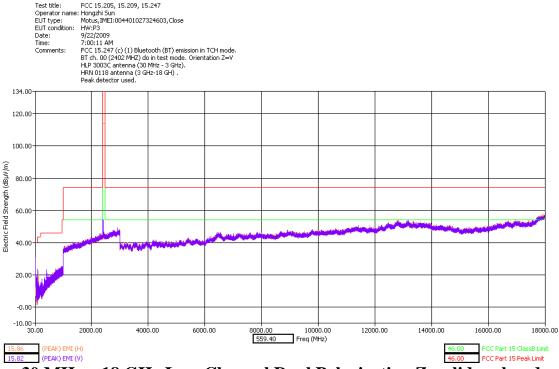
30 MHz – 18 GHz Low Channel Dual Polarization Y – slider closed

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30 MHz - 18 GHz Low Channel Dual Polarization Z - slider open

FCC Part 15 Peak Limit



 $\overline{30}$ MHz – 18 GHz Low Channel Dual Polarization Z – slider closed

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FCD-1756, Rev 4

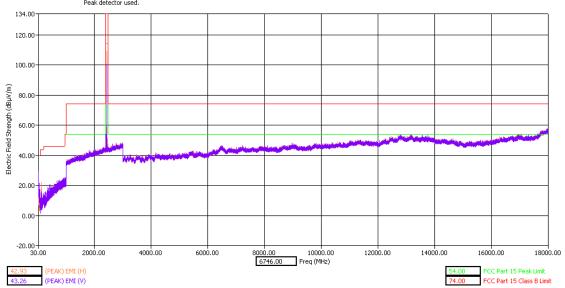
Test title:

FCC 15.205, 15.209, 15.247



Time: Comments:

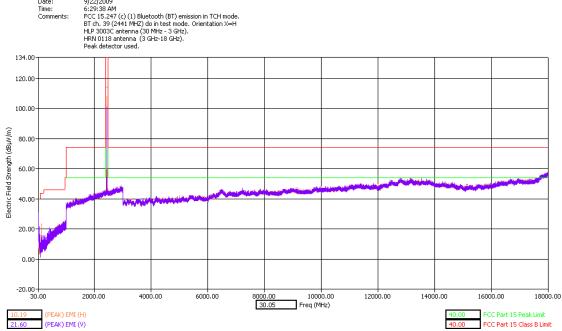
9/22/2009
9/26:09 AM (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 39 (2441 MHZ) do in test mode. Orientation X=H
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (3 GHz-18 GHz).
Peak detector used.



30 MHz - 18 GHz Middle Channel Dual Polarization X - slider open

Test title: FCC 15.205, 15.209, 15.247

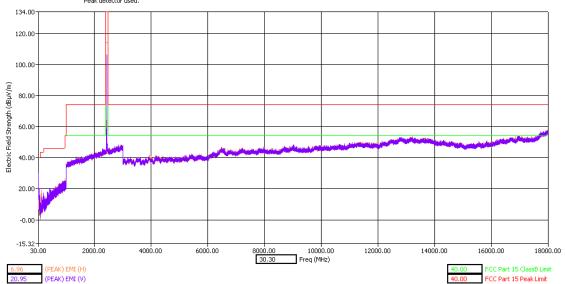
Comments:



30 MHz - 18 GHz Middle Channel Dual Polarization X-slider closed

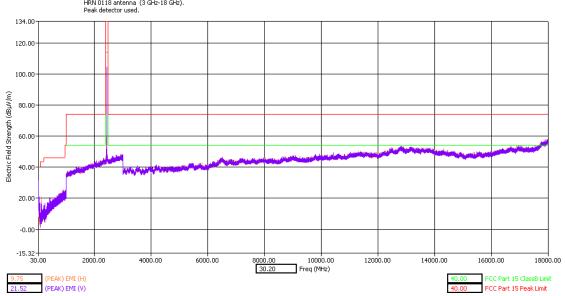
12 of 30 Test Report Number: 23314-1 **EXHIBIT 6A2**

FCC 15.205, 15.209, 15.247 Test title: PCC 15.205, 15.209, 15.247
Operator name: Haillang, Tang
EUT type: Motus, IME: 004401027324603, Open
EUT condition: HW:P3
Opate: 9/21/2009
Time: 10:41:21 PM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 39 (2441 MHz) do in test mode. Orientation Y=V
HLP 3003C antenna (30 MHz - 3 GHz).
HNN 0118 antenna (3 GHz - 16 GHz).
Peak detector used. Test title:



30 MHz - 18 GHz Middle Channel Dual Polarization Y - slider open

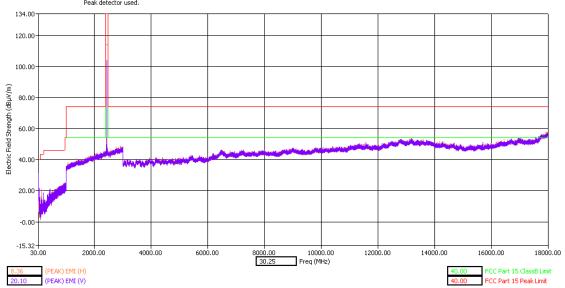
FCC 15.205, 15.209, 15.247 Test title: Test title: FCC 15,205, 15,209, 15,247
Operator name: Hongah Sun
EUT type: Motus, IMEI:004401027324603, Close
EUT condition: HW:P3
Date: 9/22/2009
Time: 8:31:27 AM
Comments: FCC 15,247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 39 (2441 MHz) do in test mode. Orientation Y=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (30 Hz - 18 GHz).
Peak detector used.



30 MHz – 18 GHz Middle Channel Dual Polarization Y – slider closed

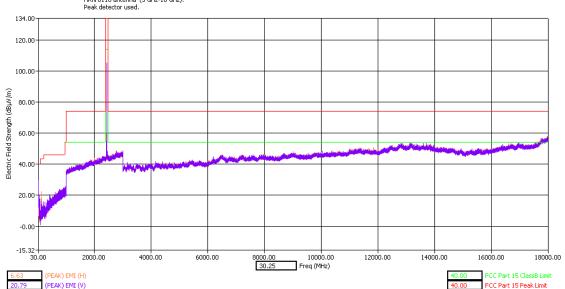
13 of 30 Test Report Number: 23314-1 **EXHIBIT 6A2**





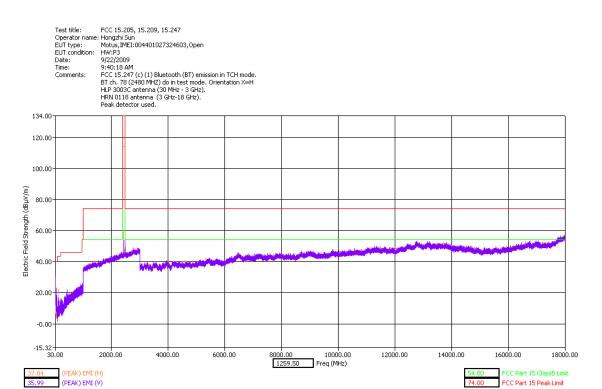
30 MHz - 18 GHz Middle Channel Dual Polarization Z - slider open

Test title: FCC 15.205, 15.209, 15.247 Test title: FCC 15,205, 15,209, 15,247
Operator name: Hongah Sun
EUT type: Motus, IMEI:004401027324603, Close
EUT condition: HW:P3
Date: 9/22/2009
Time: 7:14:54 AM
Comments: FCC 15,247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 39 (2441 MHz) do in test mode. Orientation Z=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (30 Hz - 18 GHz).
Peak detector used.

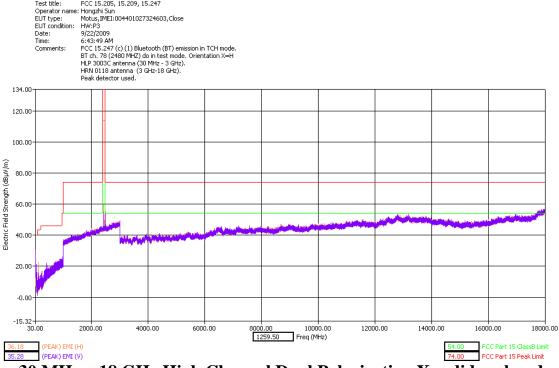


 $\overline{30}$ MHz – 18 GHz Middle Channel Dual Polarization Z – slider closed

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30 MHz - 18 GHz High Channel Dual Polarization X - slider open



30 MHz – 18 GHz High Channel Dual Polarization X – slider closed

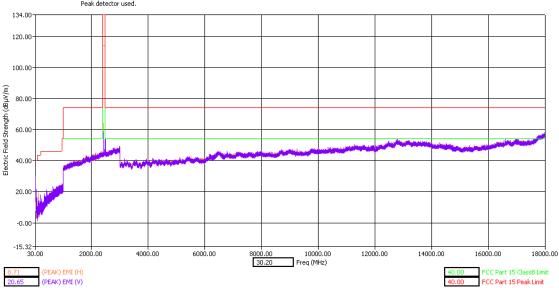
15 of 30 Test Report Number: 23314-1 **EXHIBIT 6A2**

FCD-1756, Rev 4

Test title:

FCC 15.205, 15.209, 15.247

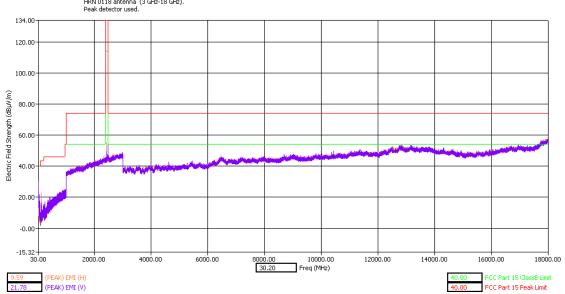
FCC 15.205, 15.209, 15.247 Test title: PCC 15.205, 15.209, 15.247
Operator name: Haillang, Tang
EUT type: Motus, IME: 004401027324603, Open
EUT condition: HW:P3
Date: 9/21/2009
Time: 10:55:48 PM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHz) do in test mode. Orientation Y=V
HLP 3003C antenna (30 MHz - 3 GHz).
HNN 0118 antenna (3 GHz - 16 GHz).
Peak detector used. Test title:



30 MHz - 18 GHz High Channel Dual Polarization Y - slider open

CC Part 15 Peak Limit

Test title: FCC 15.205, 15.209, 15.247 Test title: FCC 15,205, 15,209, 15,247
Operator name: Hongah Sun
EUT type: Motus, IMEI:004401027324603, Close
EUT condition: HW:P3
Date: 9/22/2009
Time: 8:46:21 AM
Comments: FCC 15,247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHz) do in test mode. Orientation Y=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (30 Hz - 18 GHz).
Peak detector used.



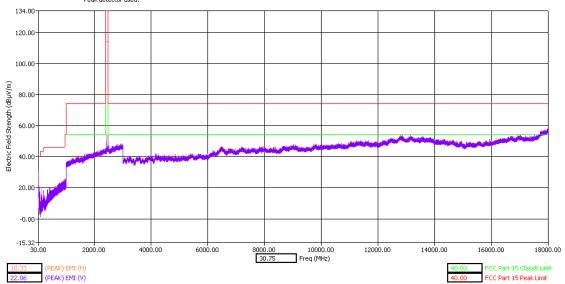
30 MHz – 18 GHz High Channel Dual Polarization Y – slider closed

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FCC 15.205, 15.209, 15.247 Test title:

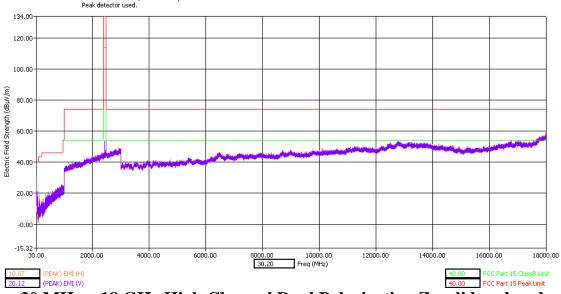
Time: Comments:

9/21/2009
9/26:43 PM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHZ) do in test mode. Orientation Z=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (3 GHz-18 GHz).
Peak detector used.



30 MHz - 18 GHz High Channel Dual Polarization Z - slider open

Test title: FCC 15.205, 15.209, 15.247 Test title: FCC 15,205, 15,209, 15,247
Operator name: Hongah Sun
EUT type: Motus, IMEI:004401027324603, Close
EUT condition: HW/F3
Date: 9/22/2009
Time: 7:29:00 AM
Comments: FCC 15,247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHz) do in test mode. Orientation Z=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (30 Hz - 18 GHz).
Peak detector used.



30 MHz – 18 GHz High Channel Dual Polarization Z – slider closed

17 of 30 Test Report Number: 23314-1 **EXHIBIT 6A2**

FCC ID: IHDP56KD1

Test tible: FCC 15.205, 15.209, 15.247
Operator name: Lianjie Lian
EUI type: Motus, IMEI:004401027324603, Open
EUT condition: HW1:P3
Date: 9/29/2011
Time: 9:48:11 PM
Comments: FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 0 (2402 MHz) up/do in test mode. Orientation Y=V
HRN 3116 antenna (18 GHz - 26.5 GHz). Peak detector used. 100.00 80.00 Electric Field Strength (dBµV/m) 70.00 60.00 40.00 30.00 20.00 + ---18000.00 20000.00 24000.00 25000.00 19000.00 21000.00 22000.00 23 26292.00 Freq (MHz) 23000.00 (PEAK) EMI (H) FCC Part 15 Peak Limit

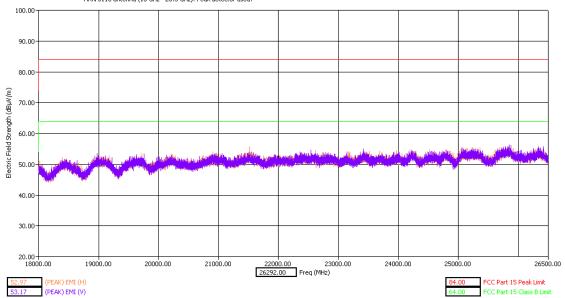
18-26.5 GHz Low Channel Dual Polarization Y - slider open

Test Report Number: 23314-1 18 of 30 EXHIBIT 6A2

APPLICANT: MOTOROLA INC

Test title: PCC 15.205, 15.209, 15.247
Operator name: Lianjie Lian
EUIT type: Motus, IMEI:004401027324603, Close
EUT condition: HW:P3
Date: 9/28/2009
Imme: 10:32:34 PM

HW:P3
9/29/2009
10:32:34 PM
FCC 15:247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 0 (2402 MHz) up/do in test mode. Orientation Y=V
HRN 3116 antenna (18 GHz - 26.5 GHz). Peak detector used.



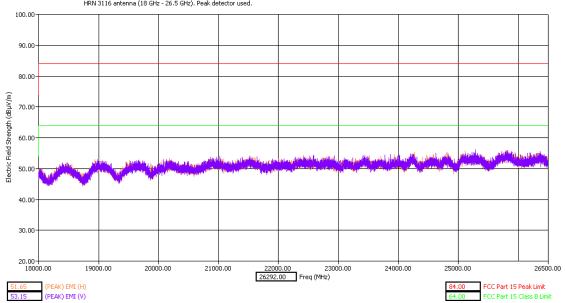
FCC ID: IHDP56KD1

18-26.5 GHz Low Channel Dual Polarization Y-slider closed

Test title: FCC 15.205, 15.209, 15.247
Operator name: Lianjie Lian
EUT type: Motus, IMEI:004401027324603, Open
EUT condition: HW:P3

Comments:

HWI/P3
9/29/2009
10:02:59 PM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
HRN 3116 antenna (18 GHz - 26.5 GHz), Peak detector used.



18-26.5 GHz Middle Channel Dual Polarization Y-slider open

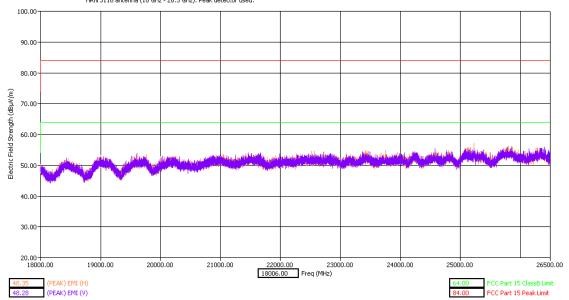
19 of 30 Test Report Number: 23314-1 **EXHIBIT 6A2**

APPLICANT: MOTOROLA INC

FCC ID: IHDP56KD1

Test title: PCC 15.205, 15.209, 15.247
Operator name: Lianjie Lian
EUIT type: Motus, IMEI:004401027324603, Close
EUT condition: HW:P3
Date: 9/28/2009
10:47:22 PM

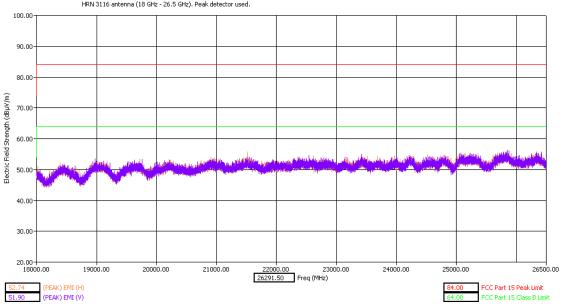
HW:P3
9/25/2009
10:47:22 PM
FCC 15:247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 39 (2441 MHZ) up/do in test mode. Orientation Y=V
HRN 3116 antenna (18 GHz - 26.5 GHz). Peak detector used.



18-26.5 GHz Middle Channel Dual Polarization Y – slider closed

Test title: FCC 15.205, 15.209, 15.247
Operator name: Lianjie Lian
EUT type: Motus, IMEI:004401027324603, Open
EUT condition: HW:P3

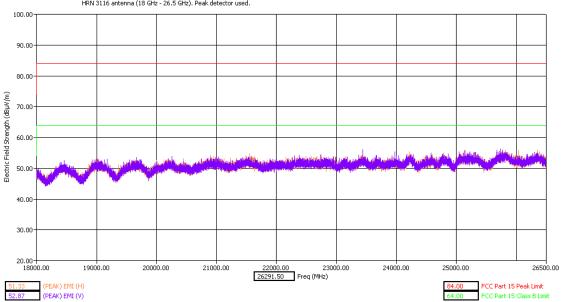
HW!P3
9/29/2009
10:17:46 PM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHZ) up/do in test mode. Orientation Y=V
HRN 3116 antenna (18 GHz - 26.5 GHz), Peak detector used. Comments:



18-26.5 GHz High Channel Dual Polarization Y-slider open

20 of 30 Test Report Number: 23314-1 **EXHIBIT 6A2**

Test title: FCC 15.205, 15.209, 15.247
Operator name: Lianije Lian
Motus, IMEI:004401027324603, Close
EUT condition: HW:P3
Date: 9/29/2009
Time: 11:002:09 PM
Comments: FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHz) up/do in test mode. Orientation Y=V
HRN 3116 antenna (18 GHz - 26.5 GHz), Peak detector used.



18-26.5 GHz High Channel Dual Polarization Y – slider closed

21 of 30 Test Report Number: 23314-1 EXHIBIT 6A2

BAND-EDGE COMPLIANCE OF RF RADIATED EMISSIONS

CFR Part 15.247

Measurement Procedure

The test sample is placed inside the semi-anechoic chamber on a polystyrene table at the turntable center. Test is repeated for both horizontal and vertical polarizations of the receive antenna.

For 30 MHz - 18 GHz:

Field Strength ($dB\mu V/m$) = EMI Receiver Level ($dB\mu V$) + Cable Loss (dB) - Amplifier Gain (dB) + Filter loss (dB) + Antenna

Correction Factor (3/m)

For 18 GHz – 26.5 GHz:

Field Strength ($dB\mu V/m$) = EMI Receiver Level ($dB\mu V$) + Cable Loss (dB) -

Amplifier Gain (dB) + Filter loss (dB) + Antenna

Correction Factor (1/m)

The test sample was operated in Bluetooth single channel test mode. A fully charged battery was used for the supply voltage.

Measurement Results

Comments:

The band edge measurements crossing the corner for the low/high channel with respect to the average limit line is acceptable when applying the FCC rule specified in CFR 47 part 15.35(b) for the use of peak detector above 1 GHz. The peak detector limit line has been added to the graphical plots.

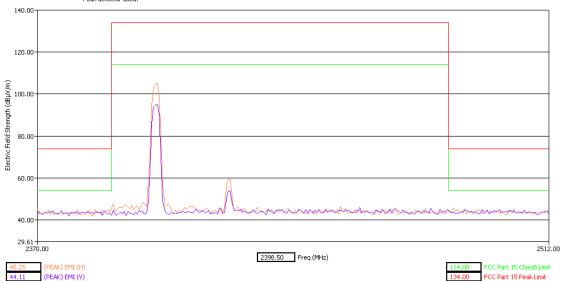
The peak detector limit line has been added to the graphical plots.

See Attached:

Test Report Number: 23314-1 22 of 30 EXHIBIT 6A2

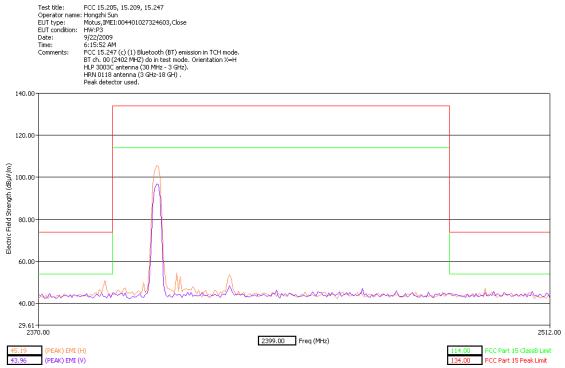
Test title: FCC 15.205, 15.209, 15.247
Operator name: Hongshi Sun
EUIT type: Motus, IMEI:004401027324603, Open
EUT condition: HW:P3
Date: 9/22/2009
Time: 9:12:29 AM

HWI-P3
9/22/2009
9:12:29 AM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 00 (2402 MHZ) do in test mode. Orientation X=H
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (3 GHz-18 GH) ,
Peak detector used.



Authorized Band Emissions Low Channel Dual Polarization X – slider open

Test title: FCC 15.205, 15.209, 15.247



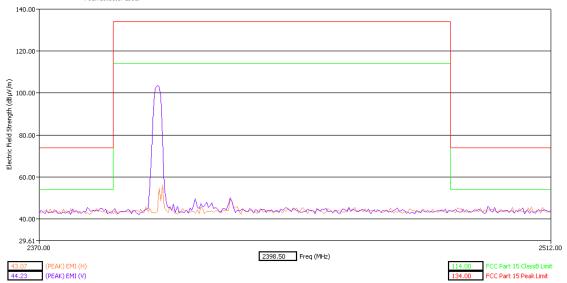
Authorized Band Emissions Low Channel Dual Polarization X - slider closed

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FCC 15.205, 15.209, 15.247
: Hallang, Tang
Motus, IMEL:004401027324603, Open
HW:P3
9/21/2009
IC:8:04 PM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 00 (2402 MHZ) do in test mode. Orientation Y=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (3 GHz-18 GH) .
Peak detector used. Test title:
Operator name:
EUT type:
EUT condition:
Date:
Time:
Comments:



Authorized Band Emissions Low Channel Dual Polarization Y – slider open

Test title: FCC 15.205, 15.209, 15.247

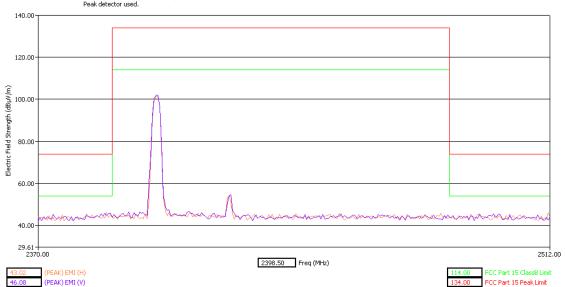
| Detail | D

Date: Time: Comments:

9,22,2009

RIG:2009

RIG:2



Authorized Band Emissions Low Channel Dual Polarization Y - slider closed

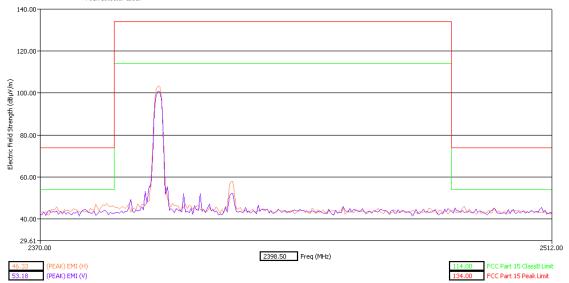
Test Report Number: 23314-1

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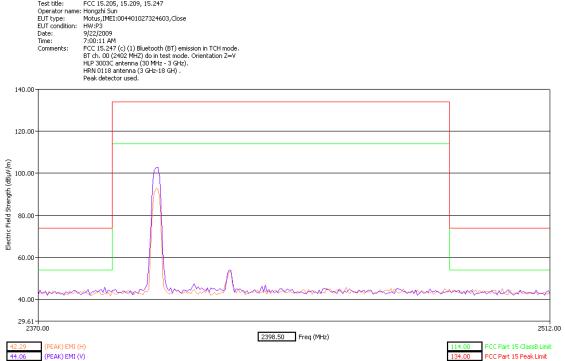
Test title:
Operator name:
EUT type:
EUT condition:
Date:
Time:
Comments: FCC 15.205, 15.209, 15.247 : Hailiang.Tang Motus,IMEI:004401027324603,Open HW:P3

HW-P3
9/21/2009
8:27:44 PM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 00 (2402 MHZ) do in test mode. Orientation Z=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (3 GHz-18 GH),
Peak detector used.



Authorized Band Emissions Low Channel Dual Polarization Z – slider open

FCC 15.205, 15.209, 15.247 Test title:



Authorized Band Emissions Low Channel Dual Polarization Z - slider closed

Test Report Number: 23314-1

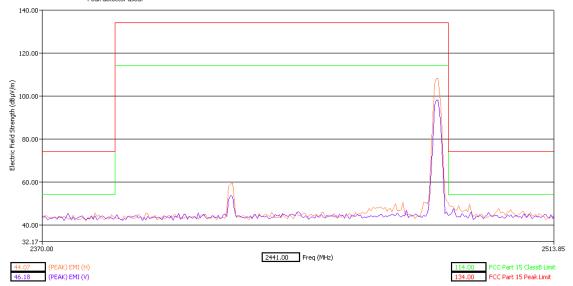
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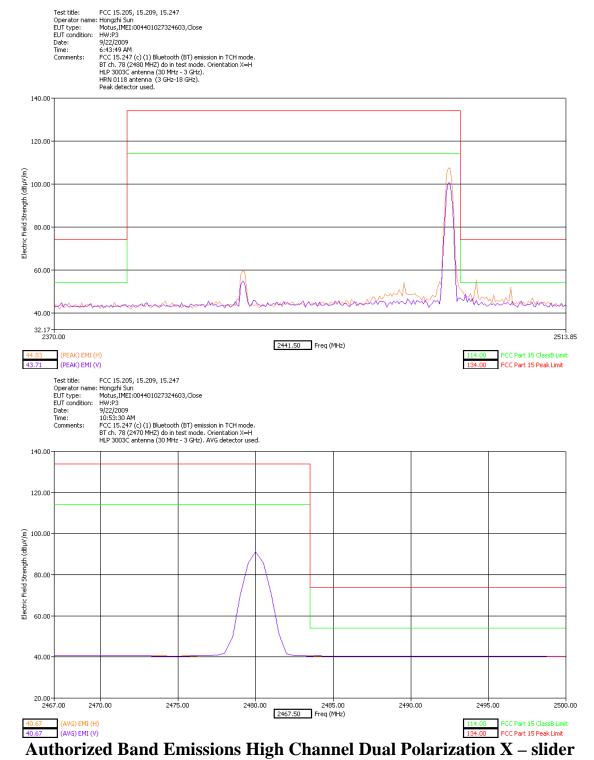
Test title: FCC 15.205, 15.209, 15.247

Operator name: Hongzhi Sun
EUT type: Motus, IMEI:004401027324603, Open
EUT condition: HW:P3
Date: 9/22/2009
Time: 9/40:18 AM
Comments: FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHz) do in test mode. Orientation X=H
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (3 GHz-18 GHz).
Peak detector used.



Authorized Band Emissions High Channel Dual Polarization X – slider open

Test Report Number: 23314-1

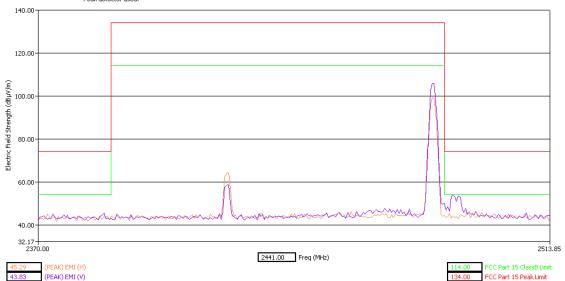


closed

Test Report Number: 23314-1

Test title:
Operator name:
EUT type:
EUT condition:
Date:
Time:
Comments: FCC 15.205, 15.209, 15.247 : Hailiang.Tang Motus,IMEI:004401027324603,Open HW:P3

HW-P3
9/21/2009
10:55:48 PM
FCC 15:247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHZ) do in test mode. Orientation Y=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (3 GHz-18 GHz).
Peak detector used.



Authorized Band Emissions High Channel Dual Polarization Y – slider open

FCC 15.205, 15.209, 15.247 Test title:

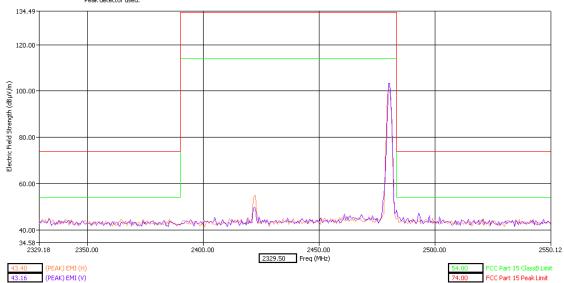
Test title: PCC 15,205, 15,209, 15,247
Operator name: Hongah Sun
EUT type: Motus, IMEI:004401027324603, Close
EUT condition: HW/F3
Date: 9/22/2009
Time: 8:46:21 AM
Comments: PCC 15,247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHZ) do in test mode. Orientation Y=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (30 Hz - 18 GHz).
Peak detector used. 140.00 120.00 Electric Field Strength (dBµV/m) 100.00 80.00 60.00 40.00 32.17 | 2370.00 2441.00 Freq (MHz) (PEAK) EMI (H) (PEAK) EMI (V)

Authorized Band Emissions High Channel Dual Polarization Y - slider closed

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Test title: FCC 15.205, 15.209, 15.247
Operator name: Halliang.Tang
EUT type: Motus, IMEI:004401027324603, Open
EUT condition: HWI:P3
Date: 9/21/2009
Time: 9:26:43 PM
Comments: FCC 15.247 (c) (1) Bluetooth (BT) emits
Ext. 28/248/9 MEI/2) do in text model

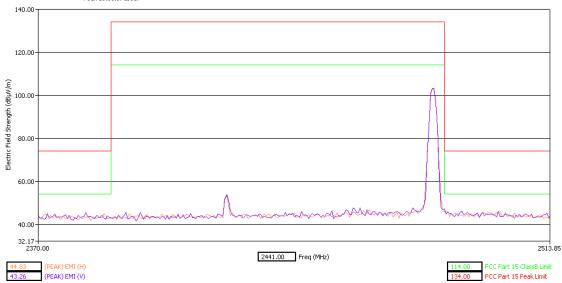
HW-P3
9/21/2009
9/26/43 PM
FCC 15.247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHZ) do in test mode. Orientation Z=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (3 GHz-18 GHz).
Peak detector used.



Authorized Band Emissions High Channel Dual Polarization Z – slider open

FCC 15.205, 15.209, 15.247 Test title:

Test title: PCC 15,205, 15,209, 15,247
Operator name: Hongah Sun
EUT type: Motus, IMEI:004401027324603, Close
EUT condition: HW/F3
Date: 9/22/2009
Time: 7:29:00 AM
Comments: PCC 15,247 (c) (1) Bluetooth (BT) emission in TCH mode.
BT ch. 78 (2480 MHZ) do in test mode. Orientation Z=V
HLP 3003C antenna (30 MHz - 3 GHz).
HRN 0118 antenna (30 Hz - 18 GHz).
Peak detector used.



Authorized Band Emissions High Channel Dual Polarization Z - slider closed

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End of Test Report

Test Report Number: 23314-1 FCD-1756, Rev 4 30 of 30 EXHIBIT 6A2