



## Etherios Design Solutions

ConnectCore i.MX6 WiFi/Bluetooth

FCC 15.207:2014

FCC 15.247:2014

Report # ETHE0009



NVLAP Lab Code: 200881-0

*This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America. This Report may only be duplicated in its entirety*

**Last Date of Test: October 17, 2014**  
**Etherios Design Solutions**  
**Model: ConnectCore i.MX6 WiFi/Bluetooth**

## Radio Equipment Testing

### Standards

Specification	Method
FCC 15.247:2014 FCC 15.207:2014	ANSI C63.10:2009

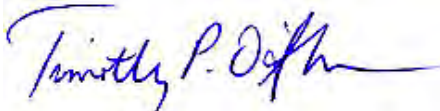
### Results

Method Clause	Test Description	Applied	Results	Comments
6.2	Powerline Conducted Emissions	Yes	Pass	
6.5, 6.6	Spurious Radiated Emissions	Yes	Pass	
6.7	Band Edge Compliance	Yes	Pass	
6.7	Spurious Conducted Emissions	Yes	Pass	
6.9.1	Occupied Bandwidth	Yes	Pass	
6.10.2	Output Power	Yes	Pass	
6.11.2	Power Spectral Density	Yes	Pass	
7.5	Duty Cycle	Yes	N/A	Characterization of radio operation.

### Deviations From Test Standards

None

### Approved By:



Tim O'Shea, Operations Manager

# REVISION HISTORY

Revision Number	Description	Date	Page Number
00	None		

## Barometric Pressure

The recorded barometric pressure has been normalized to sea level.

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## United States

**FCC** - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

**A2LA** - Accredited by A2LA to ISO / IEC Guide 65 as a product certifier. This allows Northwest EMC to certify transmitters to FCC and IC specifications.

**NVLAP** - Each laboratory is accredited by NVLAP to ISO 17025

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## Canada

**IC** - Recognized by Industry Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with IC.

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## European Union

**European Commission** – Validated by the European Commission as a Conformity Assessment Body (CAB) under the EMC directive and as a Notified Body under the R&TTE Directive.

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## Australia/New Zealand

**ACMA** - Recognized by ACMA as a CAB for the acceptance of test data.

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## Korea

**MSIP / RRA** - Recognized by KCC's RRA as a CAB for the acceptance of test data.

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## Japan

**VCCI** - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

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## Taiwan

**BSMI** – Recognized by BSMI as a CAB for the acceptance of test data.

**NCC** - Recognized by NCC as a CAB for the acceptance of test data.

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## Singapore

**IDA** – Recognized by IDA as a CAB for the acceptance of test data.

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## Israel

**MOC** – Recognized by MOC as a CAB for the acceptance of test data.

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## Hong Kong

**OFTA** – Recognized by OFTA as a CAB for the acceptance of test data.

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## Vietnam

**MIC** – Recognized by MIC as a CAB for the acceptance of test data.

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## SCOPE

For details on the Scopes of our Accreditations, please visit:

<http://www.nwemc.com/accreditations/>

## Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) for each test is on each data sheet. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable), and are available upon request.

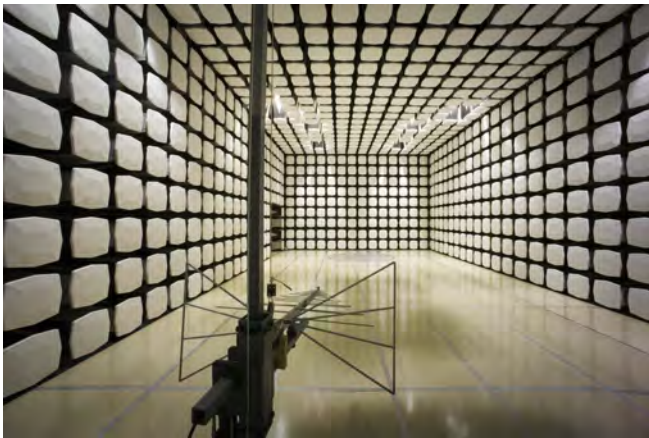
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

<b>Test</b>	<b>+ MU</b>	<b>- MU</b>
Frequency Accuracy (Hz)	0.0007%	-0.0007%
Amplitude Accuracy (dB)	1.19 dB	-1.19 dB
Conducted Power (dB)	0.29 dB	-0.29 dB
Radiated Power via Substitution (dB)	0.71 dB	-0.71 dB
Temperature (degrees C)	0.7°C	-0.7°C
Humidity (% RH)	2.5% RH	-2.5% RH
Voltage (AC)	1.0%	-1.0%
Voltage (DC)	0.7%	-0.7%
Field Strength (dB)	4.7 dB	-4.7 dB
AC Powerline Conducted Emissions (dB)	2.9 dB	-2.9 dB





<b>Oregon</b> Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	<b>California</b> Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	<b>New York</b> Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 685-0796	<b>Minnesota</b> Labs MN01-08 9349 W Broadway Ave. Brooklyn Park, MN 55445 (763) 425-2281	<b>Washington</b> Labs NC01-05, SU02, SU07 19201 120 <sup>th</sup> Ave. NE Bothell, WA 98011 (425) 984-6600
<b>VCCI</b>				
A-0108	A-0029		A-0109	A-0110
<b>Industry Canada</b>				
2834D-1, 2834D-2	2834B-1, 2834B-2, 2834B-3		2834E-1	2834F-1
<b>NVLAP</b>				
NVLAP Lab Code: 200630-0	NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200761-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200629-0



## Client and Equipment Under Test (EUT) Information

<b>Company Name:</b>	DIGI International
<b>Address:</b>	1101 Bren Road East
<b>City, State, Zip:</b>	Minnetonka, MN 55343
<b>Test Requested By:</b>	Moshe Peri
<b>Model:</b>	ConnectCore i.MX6 WiFi/Bluetooth
<b>First Date of Test:</b>	September 18, 2014
<b>Last Date of Test:</b>	October 17, 2014
<b>Receipt Date of Samples:</b>	September 12, 2014
<b>Equipment Design Stage:</b>	Production
<b>Equipment Condition:</b>	No Damage

## Information Provided by the Party Requesting the Test

### Functional Description of the EUT:

802.11abgn SISO / Bluetooth radio module with quad core I.MX6 processor, and Kinetis microcontroller. Three possible antenna models for 2.4 GHz operation and two possible antenna models for 5 GHz operation.

### Testing Objective:

To demonstrate compliance under FCC 15.247 for operation in the 2.4 GHz and 5.8 GHz band(s).

**Configuration ETHE0009- 1**

<b>EUT</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Module	Etherios Design Solutions	5001475-02	00409D 7C03B4

<b>Peripherals in test setup boundary</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Laptop Supply	Lenovo	92P1160	None
Laptop	Lenovo	T400	L3-A9984 08/09
Power Supply	Agilent	U8002A	TPZ

<b>Cables</b>					
<b>Cable Type</b>	<b>Shield</b>	<b>Length (m)</b>	<b>Ferrite</b>	<b>Connection 1</b>	<b>Connection 2</b>
AC Mains Cable	No	1.8m	No	AC Mains	Laptop supply
USB To Serial	Yes	2.2m	No	Laptop	Module
AC Mains Cable	No	1.80m	No	AC Mains	Power Supply
DC Power	No	1.80m	Yes	Laptop Supply	Laptop
DC Power	No	1.20m	No	Power Supply	Module

**Configuration ETHE0009- 2**

<b>Software/Firmware Running during test</b>	
<b>Description</b>	<b>Version</b>
Windows XP	SP3
iPerf via command prompt	Unknown

<b>EUT</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Module	Etherios Design Solutions	5001475-02	00409D 7C03CE
AF Dual Band Antenna	Antenna Factor	ANT-DB1-RAF-XXX	None

<b>Peripherals in test setup boundary</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Laptop Supply	Lenovo	92P1160	None
Laptop	Lenovo	T400	L3-A9984 08/09
Power Supply	Agilent	U8002A	TPZ

<b>Cables</b>					
<b>Cable Type</b>	<b>Shield</b>	<b>Length (m)</b>	<b>Ferrite</b>	<b>Connection 1</b>	<b>Connection 2</b>
AC Mains Cable	No	1.8m	No	AC Mains	Laptop supply
USB To Serial	Yes	2.2m	No	Laptop	Module
AC Mains Cable	No	1.80m	No	AC Mains	Power Supply
DC Power	No	1.80m	Yes	Laptop Supply	Laptop
DC Power	No	1.20m	No	Power Supply	Module



**Configuration ETHE0009- 4**

<b>EUT</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Module	Etherios Design Solutions	5001475-02	00409D 7C03CA

<b>Peripherals in test setup boundary</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
DC Power Supply	EZ	GP-4303D	TPY
AF Dual Band Antenna	Antenna Factor	ANT-DB1-RAF-XXX	None

<b>Cables</b>					
<b>Cable Type</b>	<b>Shield</b>	<b>Length (m)</b>	<b>Ferrite</b>	<b>Connection 1</b>	<b>Connection 2</b>
AC Mains Cable	No	1.80m	No	AC Mains	Power Supply
DC Power	No	1.20m	No	Power Supply	Module

**Configuration ETHE0009- 6**

<b>Software/Firmware Running during test</b>	
<b>Description</b>	<b>Version</b>
Windows XP	SP3
iPerf via command prompt	Unknown

<b>EUT</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Module	Etherios Design Solutions	5001475-02	00409D 7C03CE
Ethertronics Dipole Antenna	Ethertronics	1001932	None

<b>Peripherals in test setup boundary</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Laptop Supply	Lenovo	92P1160	None
Laptop	Lenovo	T400	L3-A9984 08/09
Power Supply	Agilent	U8002A	TPZ

<b>Cables</b>					
<b>Cable Type</b>	<b>Shield</b>	<b>Length (m)</b>	<b>Ferrite</b>	<b>Connection 1</b>	<b>Connection 2</b>
AC Mains Cable	No	1.8m	No	AC Mains	Laptop supply
USB To Serial	Yes	2.2m	No	Laptop	Module
AC Mains Cable	No	1.80m	No	AC Mains	Power Supply
DC Power	No	1.80m	Yes	Laptop Supply	Laptop
DC Power	No	1.20m	No	Power Supply	Module

**Configuration ETHE0009- 7**

<b>Software/Firmware Running during test</b>	
<b>Description</b>	<b>Version</b>
Windows XP	SP3
iPerf via command prompt	Unknown

<b>EUT</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Module	Etherios Design Solutions	5001475-02	00409D 7C03CE
Yageo Omni Antenna	Yageo	ANTX100P001B24003	None
AF Dual Band Antenna	Antenna Factor	ANT-DB1-RAF-XXX	None

<b>Peripherals in test setup boundary</b>			
<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
Laptop Supply	Lenovo	92P1160	None
Laptop	Lenovo	T400	L3-A9984 08/09
Power Supply	Agilent	U8002A	TPZ

<b>Cables</b>					
<b>Cable Type</b>	<b>Shield</b>	<b>Length (m)</b>	<b>Ferrite</b>	<b>Connection 1</b>	<b>Connection 2</b>
AC Mains Cable	No	1.8m	No	AC Mains	Laptop supply
USB To Serial	Yes	2.2m	No	Laptop	Module
AC Mains Cable	No	1.80m	No	AC Mains	Power Supply
DC Power	No	1.80m	Yes	Laptop Supply	Laptop
DC Power	No	1.20m	No	Power Supply	Module

## Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	9/18/2014	Spurious Radiated Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	9/29/2014	Band Edge Compliance	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
3	9/29/2014	Occupied Bandwidth	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
4	9/29/2014	Output Power	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
5	9/29/2014	Power Spectral Density	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
6	9/30/2014	Spurious Conducted Emissions	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
7	10/17/2014	Powerline Conducted Emissions	Modified from delivered configuration.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

## TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50 Ω measuring port is terminated by a 50 Ω EMI meter or a 50 Ω resistive load. All 50 Ω measuring ports of the LISN are terminated by 50Ω.

## TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Receiver	Rohde & Schwarz	ESR7	ARI	05/06/2014	12 mo
LISN	Solar Electronics	9252-50-R-24-BNC	LIY	05/15/2014	12 mo
MN03 Cables	ESM Cable Corp.	Conducted Cables	MNC	12/05/2013	12 mo
Attenuator 20dB, BNC	Fairview Microwave	SA01B-20	AQP	07/22/2014	12 mo
High Pass Filter	TTE	H97-100K-50-720B	HGN	05/23/2014	24 mo
DC Power Supply	EZ Digital Co	GP-4303D	TPY	NCR	0 mo

## MEASUREMENT UNCERTAINTY

Description		
Expanded k=2	2.9 dB	-2.9 dB

## CONFIGURATIONS INVESTIGATED

ETHE0009-4

## MODES INVESTIGATED

Transmitting 802.11 2412 MHz, 1 mbps  
 Transmitting 802.11 2437 MHz, 1 mbps  
 Transmitting 802.11 2462 MHz, 1 mbps  
 Transmitting 802.11 5745 MHz, 6 mbps  
 Transmitting 802.11 5785 MHz, 6 mbps  
 Transmitting 802.11 5825 MHz, 6 mbps

EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/17/2014
Customer:	Etherios Design Solutions	Temperature:	22.3°C
Attendees:	None	Relative Humidity:	38.4%
Customer Project:	None	Bar. Pressure:	1007 mb
Tested By:	Trevor Buls	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	27	Line:	Positive Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

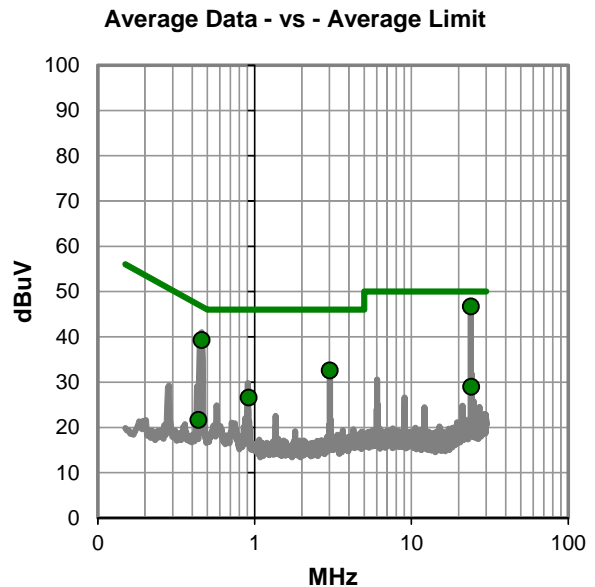
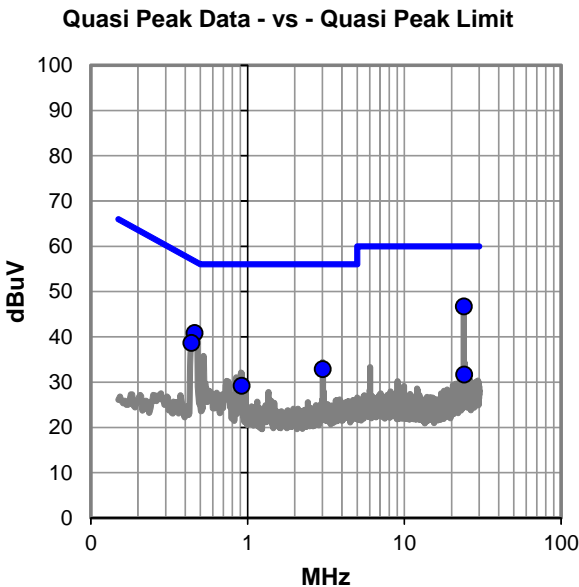
Customer added filtering to power supply. Modification authorized by Moshe Peri.

**EUT OPERATING MODES**

Transmitting 802.11 5745 MHz, 6 mbps

**DEVIATIONS FROM TEST STANDARD**

None



## RESULTS - Run #27

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.999	24.9	21.7	46.6	60.0	-13.4
0.460	20.6	20.2	40.8	56.7	-15.9
0.439	18.4	20.2	38.6	57.1	-18.5
3.021	12.5	20.3	32.8	56.0	-23.2
0.917	8.9	20.3	29.2	56.0	-26.8
24.170	9.9	21.8	31.7	60.0	-28.3

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.999	24.9	21.7	46.6	50.0	-3.4
0.460	19.1	20.2	39.3	46.7	-7.4
3.021	12.2	20.3	32.5	46.0	-13.5
0.917	6.3	20.3	26.6	46.0	-19.4
24.170	7.2	21.8	29.0	50.0	-21.0
0.439	1.4	20.2	21.6	47.1	-25.5

## CONCLUSION

Pass

*Trevor Buls*

Tested By



EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/17/2014
Customer:	Etherios Design Solutions	Temperature:	22.3°C
Attendees:	None	Relative Humidity:	38.4%
Customer Project:	None	Bar. Pressure:	1007 mb
Tested By:	Trevor Buls	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	28	Line:	Negative Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

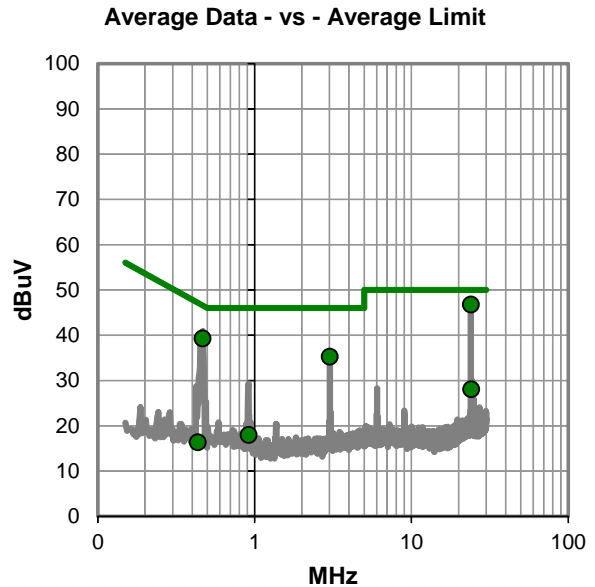
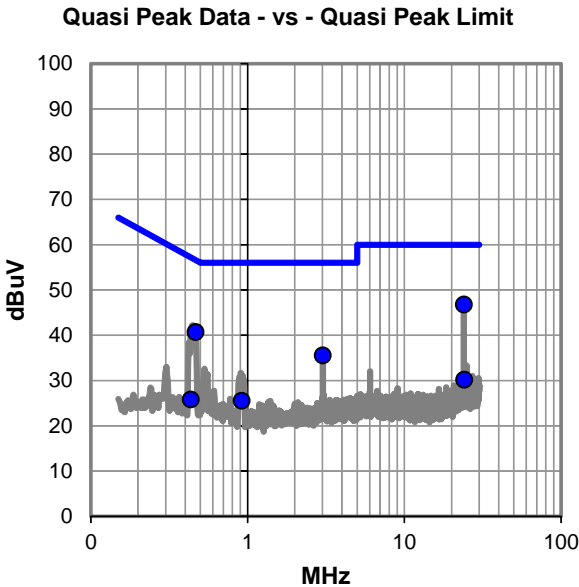
Customer added filtering to power supply. Modification authorized by Moshe Peri.

**EUT OPERATING MODES**

Transmitting 802.11 5745 MHz, 6 mbps

**DEVIATIONS FROM TEST STANDARD**

None



## RESULTS - Run #28

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.000	25.0	21.7	46.7	60.0	-13.3
0.467	20.5	20.2	40.7	56.6	-15.9
3.021	15.2	20.3	35.5	56.0	-20.5
24.155	8.4	21.8	30.2	60.0	-29.8
0.921	5.2	20.3	25.5	56.0	-30.5
0.436	5.6	20.2	25.8	57.1	-31.3

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.000	25.0	21.7	46.7	50.0	-3.3
0.467	19.1	20.2	39.3	46.6	-7.3
3.021	14.9	20.3	35.2	46.0	-10.8
24.155	6.3	21.8	28.1	50.0	-21.9
0.921	-2.3	20.3	18.0	46.0	-28.0
0.436	-3.9	20.2	16.3	47.1	-30.8

## CONCLUSION

Pass

*Trevor Buls*

Tested By

EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/17/2014
Customer:	Etherios Design Solutions	Temperature:	22.3°C
Attendees:	None	Relative Humidity:	38.4%
Customer Project:	None	Bar. Pressure:	1007 mb
Tested By:	Trevor Buls	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	31	Line:	Positive Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

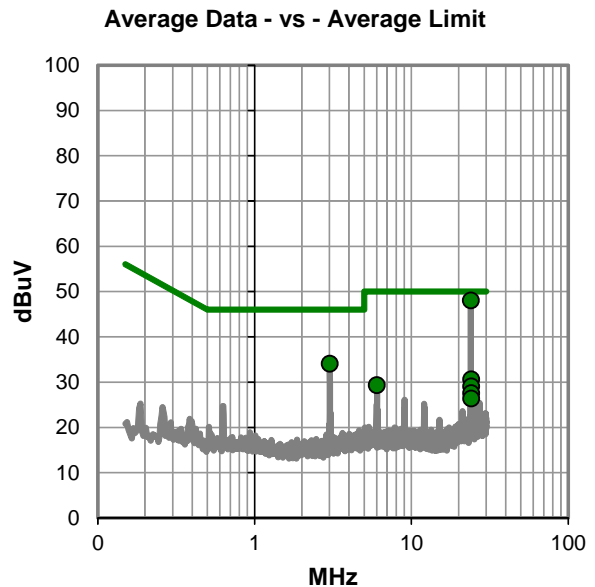
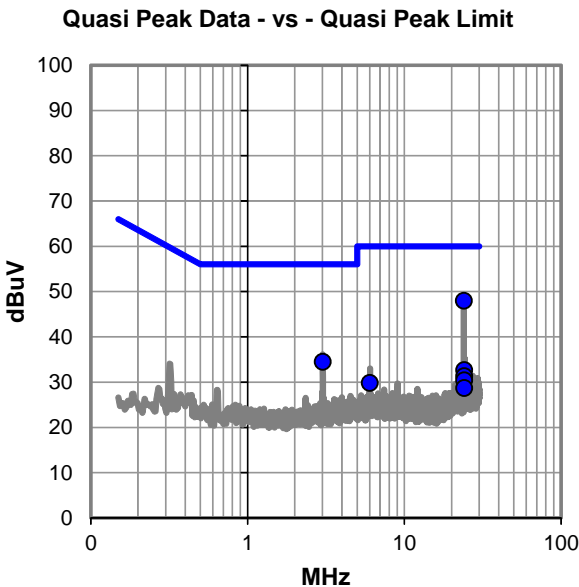
Customer added filtering to power supply. Modification authorized by Moshe Peri.

**EUT OPERATING MODES**

Transmitting 802.11 2437 MHz, 1 mbps

**DEVIATIONS FROM TEST STANDARD**

None



## RESULTS - Run #31

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.999	26.2	21.7	47.9	60.0	-12.1
3.019	14.1	20.3	34.4	56.0	-21.6
24.152	10.9	21.8	32.7	60.0	-27.3
24.184	9.5	21.8	31.3	60.0	-28.7
24.114	8.6	21.8	30.4	60.0	-29.6
6.038	9.3	20.5	29.8	60.0	-30.2
24.084	6.9	21.8	28.7	60.0	-31.3

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.999	26.3	21.7	48.0	50.0	-2.0
3.019	13.7	20.3	34.0	46.0	-12.0
24.152	8.8	21.8	30.6	50.0	-19.4
6.038	8.8	20.5	29.3	50.0	-20.7
24.184	7.3	21.8	29.1	50.0	-20.9
24.114	5.8	21.8	27.6	50.0	-22.4
24.084	4.6	21.8	26.4	50.0	-23.6

## CONCLUSION

Pass

*Trevor Buls*

Tested By

EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/17/2014
Customer:	Etherios Design Solutions	Temperature:	22.3°C
Attendees:	None	Relative Humidity:	38.4%
Customer Project:	None	Bar. Pressure:	1007 mb
Tested By:	Trevor Buls	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	32	Line:	Negative Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

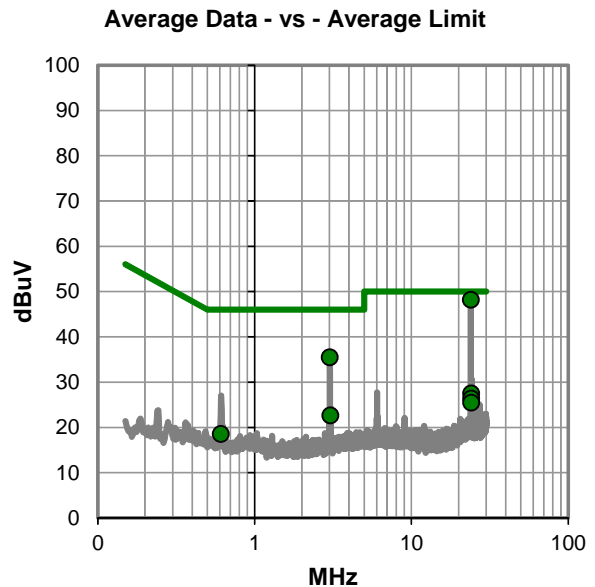
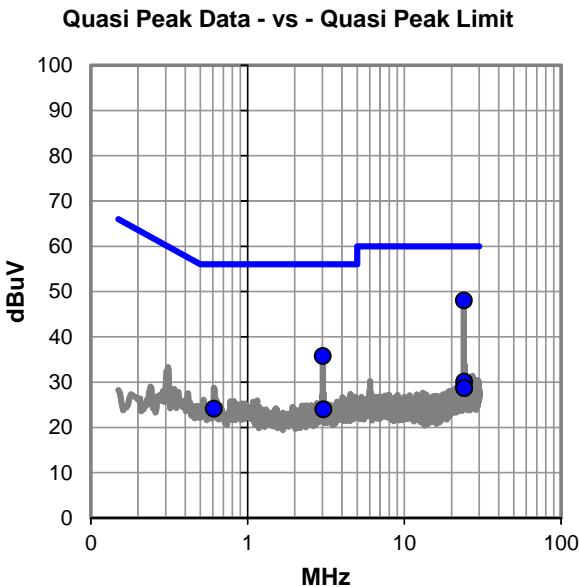
Customer added filtering to power supply. Modification authorized by Moshe Peri.

**EUT OPERATING MODES**

Transmitting 802.11 2437 MHz, 1 mbps

**DEVIATIONS FROM TEST STANDARD**

None



## RESULTS - Run #32

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.999	26.3	21.7	48.0	60.0	-12.0
3.018	15.4	20.3	35.7	56.0	-20.3
24.159	8.3	21.8	30.1	60.0	-29.9
24.193	6.9	21.8	28.7	60.0	-31.3
24.123	6.9	21.8	28.7	60.0	-31.3
0.611	3.9	20.2	24.1	56.0	-31.9
3.053	3.6	20.3	23.9	56.0	-32.1

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.999	26.4	21.7	48.1	50.0	-1.9
3.018	15.1	20.3	35.4	46.0	-10.6
24.159	5.7	21.8	27.5	50.0	-22.5
3.053	2.3	20.3	22.6	46.0	-23.4
24.123	4.6	21.8	26.4	50.0	-23.6
24.193	3.7	21.8	25.5	50.0	-24.5
0.611	-1.7	20.2	18.5	46.0	-27.5

## CONCLUSION

Pass

*Trevor Buls*

Tested By



EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/20/2014
Customer:	Etherios Design Solutions	Temperature:	21.5°C
Attendees:	None	Relative Humidity:	38.7%
Customer Project:	None	Bar. Pressure:	1016.9 mb
Tested By:	Dustin Sparks	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	37	Line:	Negative Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

Customer added filtering to power supply. Modification authorized by Moshe Peri.

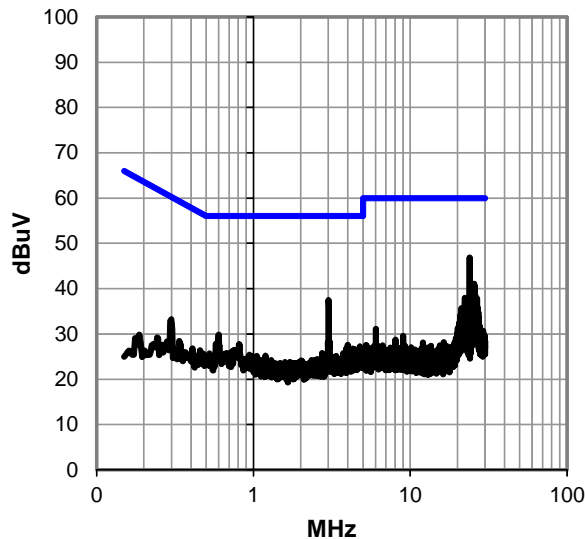
**EUT OPERATING MODES**

Transmitting 802.11 2412 MHz, 1 mbps

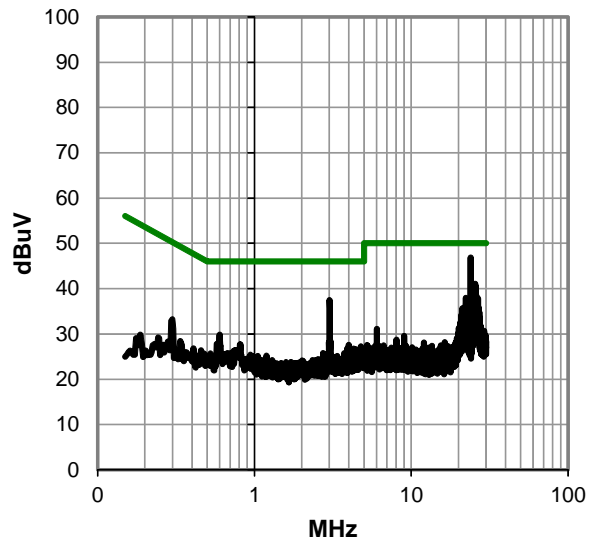
**DEVIATIONS FROM TEST STANDARD**

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



**RESULTS - Run #37**

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.997	25.1	21.7	46.8	60.0	-13.2
3.019	17.1	20.3	37.4	56.0	-18.6
25.598	19.2	21.9	41.1	60.0	-18.9
25.060	19.2	21.8	41.0	60.0	-19.0
25.620	18.9	21.9	40.8	60.0	-19.2
25.702	18.5	21.9	40.4	60.0	-19.6
25.169	17.9	21.8	39.7	60.0	-20.3
24.960	17.1	21.8	38.9	60.0	-21.1
26.124	16.4	22.0	38.4	60.0	-21.6
26.228	16.0	22.0	38.0	60.0	-22.0
22.296	16.3	21.6	37.9	60.0	-22.1
26.653	15.8	22.0	37.8	60.0	-22.2
24.531	16.0	21.8	37.8	60.0	-22.2
24.635	15.8	21.8	37.6	60.0	-22.4
26.340	15.3	22.0	37.3	60.0	-22.7
25.471	15.3	21.9	37.2	60.0	-22.8
25.493	15.2	21.9	37.1	60.0	-22.9
26.023	14.8	21.9	36.7	60.0	-23.3
22.930	14.8	21.7	36.5	60.0	-23.5
26.295	14.2	22.0	36.2	60.0	-23.8
22.829	14.5	21.7	36.2	60.0	-23.8
25.273	14.3	21.9	36.2	60.0	-23.8
25.803	14.1	21.9	36.0	60.0	-24.0
23.363	14.3	21.7	36.0	60.0	-24.0
22.400	14.3	21.6	35.9	60.0	-24.1
26.754	13.9	22.0	35.9	60.0	-24.1

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.997	25.1	21.7	46.8	50.0	-3.2
3.019	17.1	20.3	37.4	46.0	-8.6
25.598	19.2	21.9	41.1	50.0	-8.9
25.060	19.2	21.8	41.0	50.0	-9.0
25.620	18.9	21.9	40.8	50.0	-9.2
25.702	18.5	21.9	40.4	50.0	-9.6
25.169	17.9	21.8	39.7	50.0	-10.3
24.960	17.1	21.8	38.9	50.0	-11.1
26.124	16.4	22.0	38.4	50.0	-11.6
26.228	16.0	22.0	38.0	50.0	-12.0
22.296	16.3	21.6	37.9	50.0	-12.1
26.653	15.8	22.0	37.8	50.0	-12.2
24.531	16.0	21.8	37.8	50.0	-12.2
24.635	15.8	21.8	37.6	50.0	-12.4
26.340	15.3	22.0	37.3	50.0	-12.7
25.471	15.3	21.9	37.2	50.0	-12.8
25.493	15.2	21.9	37.1	50.0	-12.9
26.023	14.8	21.9	36.7	50.0	-13.3
22.930	14.8	21.7	36.5	50.0	-13.5
26.295	14.2	22.0	36.2	50.0	-13.8
22.829	14.5	21.7	36.2	50.0	-13.8
25.273	14.3	21.9	36.2	50.0	-13.8
25.803	14.1	21.9	36.0	50.0	-14.0
23.363	14.3	21.7	36.0	50.0	-14.0
22.400	14.3	21.6	35.9	50.0	-14.1
26.754	13.9	22.0	35.9	50.0	-14.1

**CONCLUSION**

Pass



Tested By

EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/20/2014
Customer:	Etherios Design Solutions	Temperature:	21.5°C
Attendees:	None	Relative Humidity:	38.7%
Customer Project:	None	Bar. Pressure:	1016.9 mb
Tested By:	Dustin Sparks	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	39	Line:	Positive Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

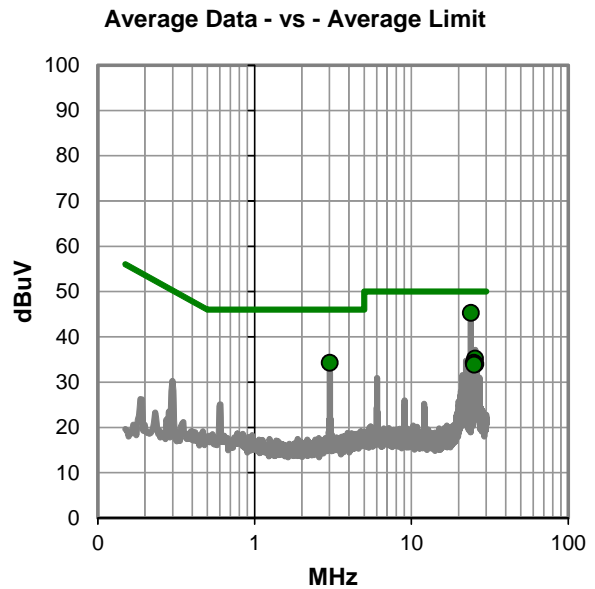
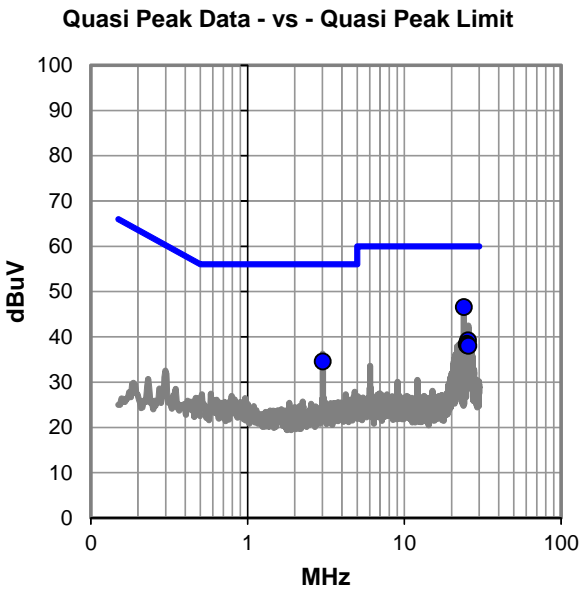
Customer added filtering to power supply. Modification authorized by Moshe Peri.

**EUT OPERATING MODES**

Transmitting 802.11 2412 MHz, 1 mbps

**DEVIATIONS FROM TEST STANDARD**

None



## RESULTS - Run #39

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.999	24.8	21.7	46.5	60.0	-13.5
25.594	17.3	21.9	39.2	60.0	-20.8
3.020	14.2	20.3	34.5	56.0	-21.5
25.067	16.6	21.8	38.4	60.0	-21.6
25.173	16.3	21.8	38.1	60.0	-21.9
25.704	16.1	21.9	38.0	60.0	-22.0

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.999	23.5	21.7	45.2	50.0	-4.8
3.020	13.9	20.3	34.2	46.0	-11.8
25.594	13.3	21.9	35.2	50.0	-14.8
25.067	12.4	21.8	34.2	50.0	-15.8
25.704	12.1	21.9	34.0	50.0	-16.0
25.173	12.0	21.8	33.8	50.0	-16.2

## CONCLUSION

Pass



Tested By

EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/20/2014
Customer:	Etherios Design Solutions	Temperature:	21.5°C
Attendees:	None	Relative Humidity:	38.7%
Customer Project:	None	Bar. Pressure:	1016.9 mb
Tested By:	Dustin Sparks	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	40	Line:	Positive Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

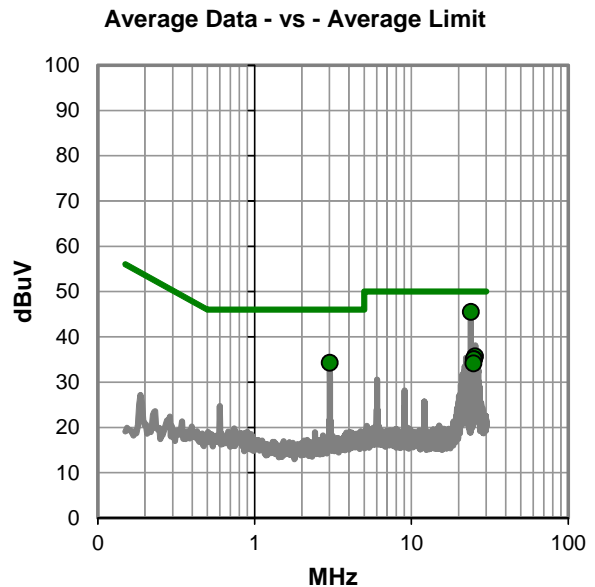
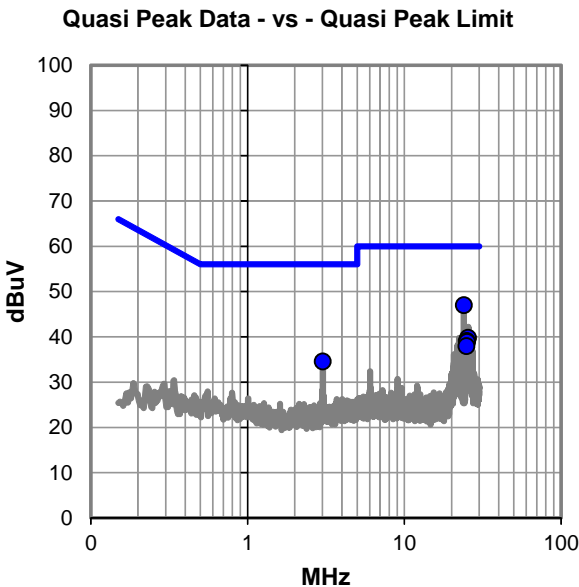
Customer added filtering to power supply. Modification authorized by Moshe Peri.

**EUT OPERATING MODES**

Transmitting 802.11 2462 MHz, 1 mbps

**DEVIATIONS FROM TEST STANDARD**

None



## RESULTS - Run #40

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.999	25.2	21.7	46.9	60.0	-13.1
25.594	17.9	21.9	39.8	60.0	-20.2
25.064	17.2	21.8	39.0	60.0	-21.0
25.171	17.0	21.8	38.8	60.0	-21.2
3.019	14.2	20.3	34.5	56.0	-21.5
24.957	16.1	21.8	37.9	60.0	-22.1

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.999	23.7	21.7	45.4	50.0	-4.6
3.019	13.9	20.3	34.2	46.0	-11.8
25.594	13.8	21.9	35.7	50.0	-14.3
25.171	13.2	21.8	35.0	50.0	-15.0
25.064	13.2	21.8	35.0	50.0	-15.0
24.957	12.3	21.8	34.1	50.0	-15.9

## CONCLUSION

Pass



Tested By



EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/20/2014
Customer:	Etherios Design Solutions	Temperature:	21.5°C
Attendees:	None	Relative Humidity:	38.7%
Customer Project:	None	Bar. Pressure:	1016.9 mb
Tested By:	Dustin Sparks	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	41	Line:	Negative Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

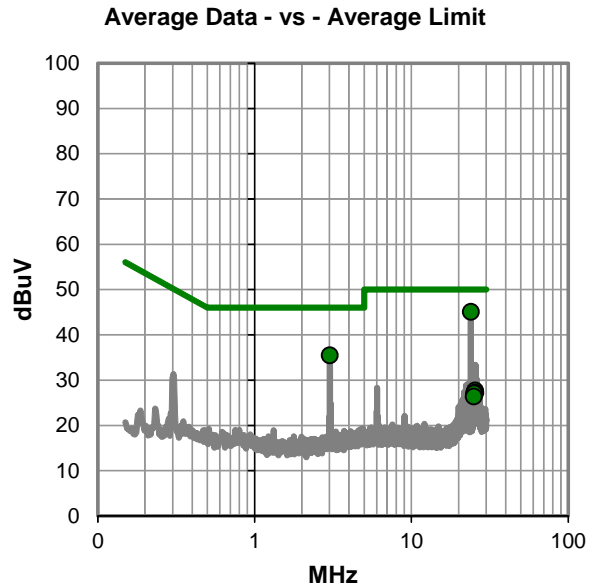
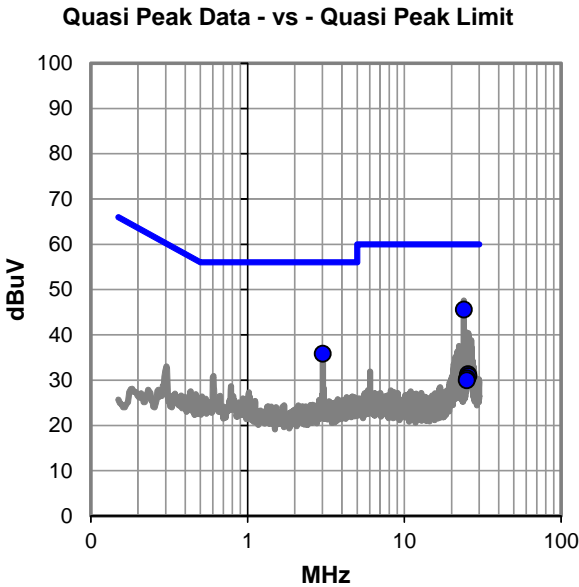
Customer added filtering to power supply. Modification authorized by Moshe Peri.

**EUT OPERATING MODES**

Transmitting 802.11 2462 MHz, 1 mbps

**DEVIATIONS FROM TEST STANDARD**

None



## RESULTS - Run #41

Quasi Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.000	23.8	21.7	45.5	60.0	-14.5
3.020	15.5	20.3	35.8	56.0	-20.2
25.595	9.4	21.9	31.3	60.0	-28.7
25.703	9.0	21.9	30.9	60.0	-29.1
25.171	8.5	21.8	30.3	60.0	-29.7
25.066	8.1	21.8	29.9	60.0	-30.1

Average Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
24.000	23.3	21.7	45.0	50.0	-5.0
3.020	15.1	20.3	35.4	46.0	-10.6
25.595	5.8	21.9	27.7	50.0	-22.3
25.703	5.3	21.9	27.2	50.0	-22.8
25.171	5.2	21.8	27.0	50.0	-23.0
25.066	4.5	21.8	26.3	50.0	-23.7

## CONCLUSION

Pass



Tested By

EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/20/2014
Customer:	Etherios Design Solutions	Temperature:	21.5°C
Attendees:	None	Relative Humidity:	38.7%
Customer Project:	None	Bar. Pressure:	1016.9 mb
Tested By:	Dustin Sparks	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	54	Line:	Negative Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

Customer added filtering to power supply. Modification authorized by Moshe Peri.

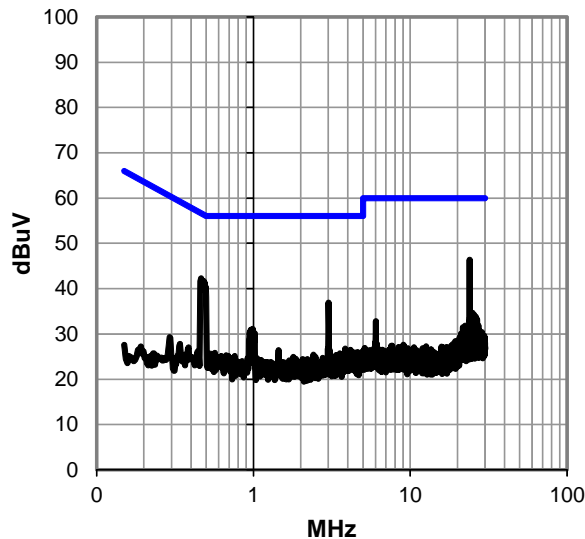
**EUT OPERATING MODES**

Transmitting 802.11 5785 MHz, 6 mbps

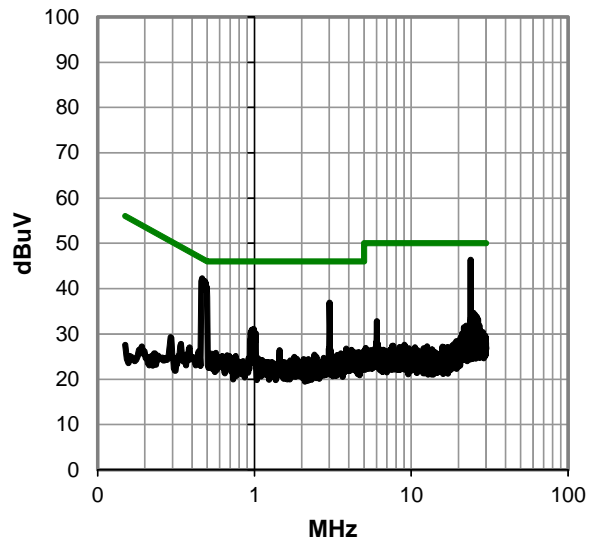
**DEVIATIONS FROM TEST STANDARD**

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



**RESULTS - Run #54**

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.997	24.6	21.7	46.3	60.0	-13.7
0.463	22.1	20.2	42.3	56.6	-14.3
3.015	16.6	20.3	36.9	56.0	-19.1
0.989	10.8	20.3	31.1	56.0	-24.9
0.960	10.6	20.3	30.9	56.0	-25.1
25.060	12.8	21.8	34.6	60.0	-25.4
25.590	12.3	21.9	34.2	60.0	-25.8
1.019	9.8	20.3	30.1	56.0	-25.9
25.702	11.9	21.9	33.8	60.0	-26.2
26.224	11.8	22.0	33.8	60.0	-26.2
24.135	11.9	21.8	33.7	60.0	-26.3
24.639	11.8	21.8	33.6	60.0	-26.4
25.172	11.6	21.8	33.4	60.0	-26.6
24.956	11.5	21.8	33.3	60.0	-26.7
26.661	11.2	22.0	33.2	60.0	-26.8
24.105	11.4	21.8	33.2	60.0	-26.8
6.033	12.3	20.5	32.8	60.0	-27.2
25.277	10.8	21.9	32.7	60.0	-27.3
26.127	10.7	22.0	32.7	60.0	-27.3
25.001	10.8	21.8	32.6	60.0	-27.4
24.176	10.4	21.8	32.2	60.0	-27.8
25.657	10.0	21.9	31.9	60.0	-28.1
27.157	9.8	22.1	31.9	60.0	-28.1
22.404	10.2	21.6	31.8	60.0	-28.2
26.064	9.8	21.9	31.7	60.0	-28.3
25.825	9.8	21.9	31.7	60.0	-28.3

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.997	24.6	21.7	46.3	50.0	-3.7
0.463	22.1	20.2	42.3	46.6	-4.3
3.015	16.6	20.3	36.9	46.0	-9.1
0.989	10.8	20.3	31.1	46.0	-14.9
0.960	10.6	20.3	30.9	46.0	-15.1
25.060	12.8	21.8	34.6	50.0	-15.4
25.590	12.3	21.9	34.2	50.0	-15.8
1.019	9.8	20.3	30.1	46.0	-15.9
25.702	11.9	21.9	33.8	50.0	-16.2
26.224	11.8	22.0	33.8	50.0	-16.2
24.135	11.9	21.8	33.7	50.0	-16.3
24.639	11.8	21.8	33.6	50.0	-16.4
25.172	11.6	21.8	33.4	50.0	-16.6
24.956	11.5	21.8	33.3	50.0	-16.7
26.661	11.2	22.0	33.2	50.0	-16.8
24.105	11.4	21.8	33.2	50.0	-16.8
6.033	12.3	20.5	32.8	50.0	-17.2
25.277	10.8	21.9	32.7	50.0	-17.3
26.127	10.7	22.0	32.7	50.0	-17.3
25.001	10.8	21.8	32.6	50.0	-17.4
24.176	10.4	21.8	32.2	50.0	-17.8
25.657	10.0	21.9	31.9	50.0	-18.1
27.157	9.8	22.1	31.9	50.0	-18.1
22.404	10.2	21.6	31.8	50.0	-18.2
26.064	9.8	21.9	31.7	50.0	-18.3
25.825	9.8	21.9	31.7	50.0	-18.3

**CONCLUSION**

Pass



Tested By

EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/20/2014
Customer:	Etherios Design Solutions	Temperature:	21.5°C
Attendees:	None	Relative Humidity:	38.7%
Customer Project:	None	Bar. Pressure:	1016.9 mb
Tested By:	Dustin Sparks	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	55	Line:	Positive Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

Customer added filtering to power supply. Modification authorized by Moshe Peri.

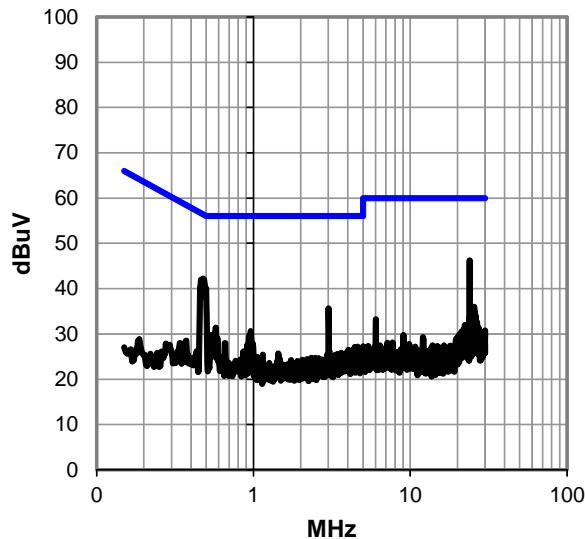
**EUT OPERATING MODES**

Transmitting 802.11 5785 MHz, 6 mbps

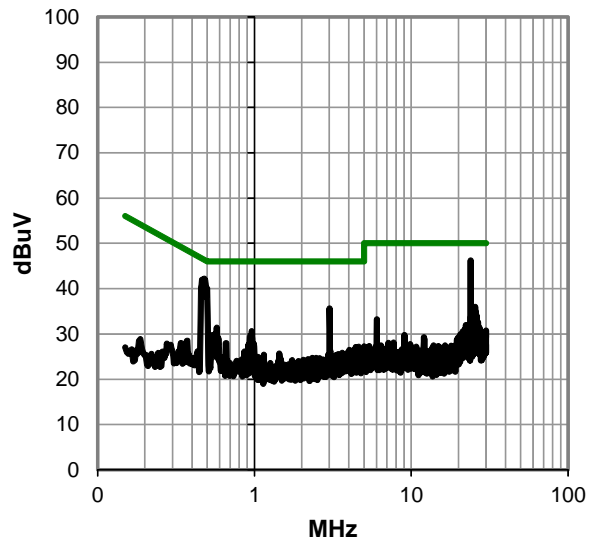
**DEVIATIONS FROM TEST STANDARD**

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



**RESULTS - Run #55**

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.997	24.5	21.7	46.2	60.0	-13.8
0.478	22.0	20.2	42.2	56.4	-14.2
3.015	15.3	20.3	35.6	56.0	-20.4
25.598	14.1	21.9	36.0	60.0	-24.0
0.575	11.2	20.2	31.4	56.0	-24.6
25.706	12.9	21.9	34.8	60.0	-25.2
0.960	10.3	20.3	30.6	56.0	-25.4
25.068	12.5	21.8	34.3	60.0	-25.7
24.150	12.5	21.8	34.3	60.0	-25.7
26.124	12.2	22.0	34.2	60.0	-25.8
25.169	12.3	21.8	34.1	60.0	-25.9
0.560	9.8	20.2	30.0	56.0	-26.0
24.109	12.2	21.8	34.0	60.0	-26.0
24.531	11.6	21.8	33.4	60.0	-26.6
25.105	11.5	21.8	33.3	60.0	-26.7
0.583	9.1	20.2	29.3	56.0	-26.7
6.037	12.7	20.5	33.2	60.0	-26.8
24.952	11.1	21.8	32.9	60.0	-27.1
25.489	10.9	21.9	32.8	60.0	-27.2
24.635	10.9	21.8	32.7	60.0	-27.3
26.023	10.7	21.9	32.6	60.0	-27.4
26.754	10.6	22.0	32.6	60.0	-27.4
24.997	10.7	21.8	32.5	60.0	-27.5
26.310	10.5	22.0	32.5	60.0	-27.5
24.076	10.7	21.8	32.5	60.0	-27.5
25.814	10.5	21.9	32.4	60.0	-27.6

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.997	24.5	21.7	46.2	50.0	-3.8
0.478	22.0	20.2	42.2	46.4	-4.2
3.015	15.3	20.3	35.6	46.0	-10.4
25.598	14.1	21.9	36.0	50.0	-14.0
0.575	11.2	20.2	31.4	46.0	-14.6
25.706	12.9	21.9	34.8	50.0	-15.2
0.960	10.3	20.3	30.6	46.0	-15.4
25.068	12.5	21.8	34.3	50.0	-15.7
24.150	12.5	21.8	34.3	50.0	-15.7
26.124	12.2	22.0	34.2	50.0	-15.8
25.169	12.3	21.8	34.1	50.0	-15.9
0.560	9.8	20.2	30.0	46.0	-16.0
24.109	12.2	21.8	34.0	50.0	-16.0
24.531	11.6	21.8	33.4	50.0	-16.6
25.105	11.5	21.8	33.3	50.0	-16.7
0.583	9.1	20.2	29.3	46.0	-16.7
6.037	12.7	20.5	33.2	50.0	-16.8
24.952	11.1	21.8	32.9	50.0	-17.1
25.489	10.9	21.9	32.8	50.0	-17.2
24.635	10.9	21.8	32.7	50.0	-17.3
26.023	10.7	21.9	32.6	50.0	-17.4
26.754	10.6	22.0	32.6	50.0	-17.4
24.997	10.7	21.8	32.5	50.0	-17.5
26.310	10.5	22.0	32.5	50.0	-17.5
24.076	10.7	21.8	32.5	50.0	-17.5
25.814	10.5	21.9	32.4	50.0	-17.6

**CONCLUSION**

Pass



Tested By



EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/20/2014
Customer:	Etherios Design Solutions	Temperature:	21.5°C
Attendees:	None	Relative Humidity:	38.7%
Customer Project:	None	Bar. Pressure:	1016.9 mb
Tested By:	Dustin Sparks	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	56	Line:	Positive Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

Customer added filtering to power supply. Modification authorized by Moshe Peri.

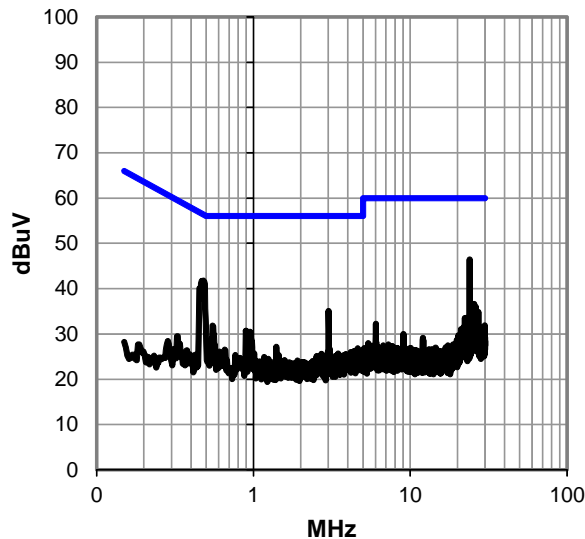
**EUT OPERATING MODES**

Transmitting 802.11 5825 MHz, 6 mbps

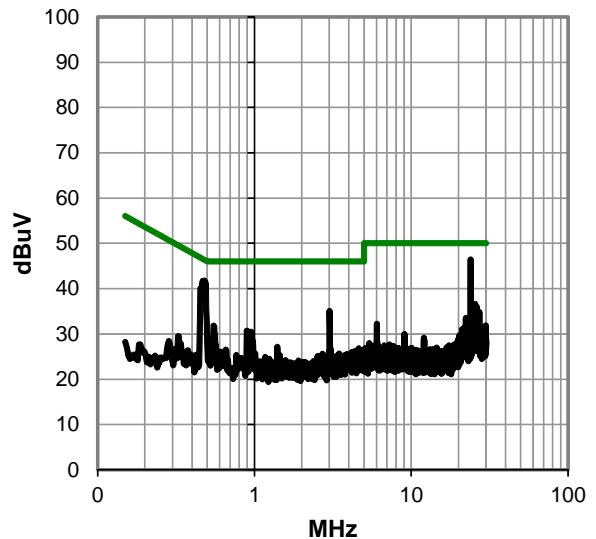
**DEVIATIONS FROM TEST STANDARD**

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



**RESULTS - Run #56**

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.997	24.7	21.7	46.4	60.0	-13.6
0.478	21.6	20.2	41.8	56.4	-14.6
3.015	14.7	20.3	35.0	56.0	-21.0
25.172	14.8	21.8	36.6	60.0	-23.4
25.594	14.7	21.9	36.6	60.0	-23.4
26.228	14.0	22.0	36.0	60.0	-24.0
25.060	14.1	21.8	35.9	60.0	-24.1
0.549	11.6	20.2	31.8	56.0	-24.2
25.706	13.4	21.9	35.3	60.0	-24.7
27.168	12.8	22.1	34.9	60.0	-25.1
25.807	12.9	21.9	34.8	60.0	-25.2
0.900	10.4	20.3	30.7	56.0	-25.3
26.127	12.7	22.0	34.7	60.0	-25.3
0.952	10.2	20.3	30.5	56.0	-25.5
24.534	12.6	21.8	34.4	60.0	-25.6
26.340	12.4	22.0	34.4	60.0	-25.6
25.486	12.3	21.9	34.2	60.0	-25.8
25.277	12.3	21.9	34.2	60.0	-25.8
24.960	12.3	21.8	34.1	60.0	-25.9
24.639	12.1	21.8	33.9	60.0	-26.1
24.176	12.1	21.8	33.9	60.0	-26.1
22.930	11.9	21.7	33.6	60.0	-26.4
22.296	11.9	21.6	33.5	60.0	-26.5
24.109	11.7	21.8	33.5	60.0	-26.5
25.665	11.5	21.9	33.4	60.0	-26.6
26.023	11.4	21.9	33.3	60.0	-26.7

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.997	24.7	21.7	46.4	50.0	-3.6
0.478	21.6	20.2	41.8	46.4	-4.6
3.015	14.7	20.3	35.0	46.0	-11.0
25.172	14.8	21.8	36.6	50.0	-13.4
25.594	14.7	21.9	36.6	50.0	-13.4
26.228	14.0	22.0	36.0	50.0	-14.0
25.060	14.1	21.8	35.9	50.0	-14.1
0.549	11.6	20.2	31.8	46.0	-14.2
25.706	13.4	21.9	35.3	50.0	-14.7
27.168	12.8	22.1	34.9	50.0	-15.1
25.807	12.9	21.9	34.8	50.0	-15.2
0.900	10.4	20.3	30.7	46.0	-15.3
26.127	12.7	22.0	34.7	50.0	-15.3
0.952	10.2	20.3	30.5	46.0	-15.5
24.534	12.6	21.8	34.4	50.0	-15.6
26.340	12.4	22.0	34.4	50.0	-15.6
25.486	12.3	21.9	34.2	50.0	-15.8
25.277	12.3	21.9	34.2	50.0	-15.8
24.960	12.3	21.8	34.1	50.0	-15.9
24.639	12.1	21.8	33.9	50.0	-16.1
24.176	12.1	21.8	33.9	50.0	-16.1
22.930	11.9	21.7	33.6	50.0	-16.4
22.296	11.9	21.6	33.5	50.0	-16.5
24.109	11.7	21.8	33.5	50.0	-16.5
25.665	11.5	21.9	33.4	50.0	-16.6
26.023	11.4	21.9	33.3	50.0	-16.7

**CONCLUSION**

Pass



Tested By

EUT:	ConnectCore i.MX6 WiFi/Bluetooth	Work Order:	ETHE0009
Serial Number:	00409D 7C03CA	Date:	10/20/2014
Customer:	Etherios Design Solutions	Temperature:	21.5°C
Attendees:	None	Relative Humidity:	38.7%
Customer Project:	None	Bar. Pressure:	1016.9 mb
Tested By:	Dustin Sparks	Job Site:	MN03
Power:	5VDC	Configuration:	ETHE0009-4

**TEST SPECIFICATIONS**

Specification:	Method:
FCC 15.207:2014	ANSI C63.10:2009

**TEST PARAMETERS**

Run #:	57	Line:	Negative Lead	Ext. Attenuation (dB):	20
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**COMMENTS**

Customer added filtering to power supply. Modification authorized by Moshe Peri.

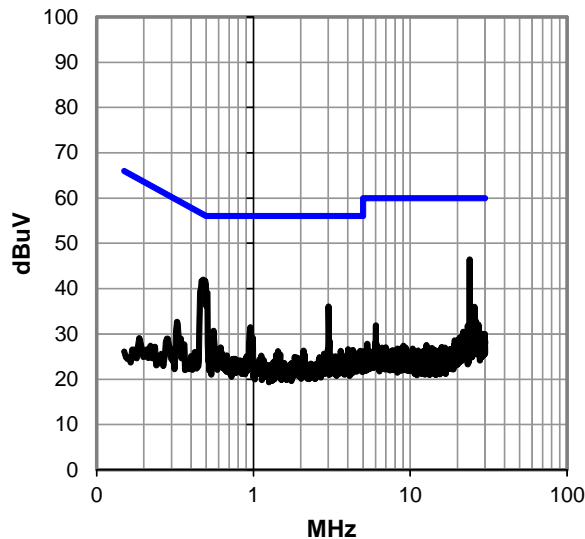
**EUT OPERATING MODES**

Transmitting 802.11 5825 MHz, 6 mbps

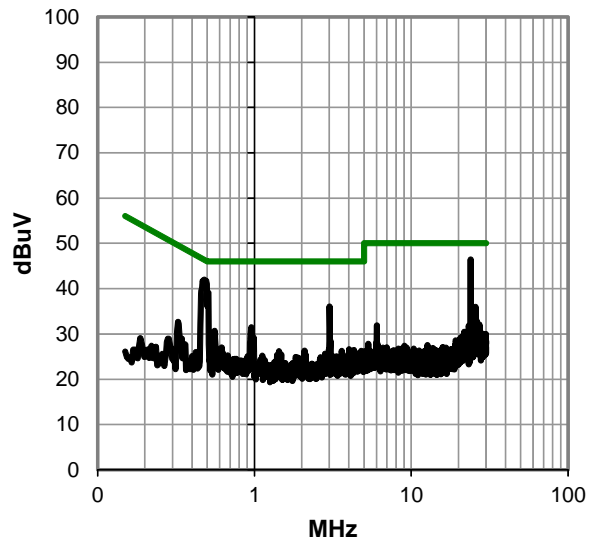
**DEVIATIONS FROM TEST STANDARD**

None

Peak Data - vs - Quasi Peak Limit



Peak Data - vs - Average Limit



## RESULTS - Run #57

Peak Data - vs - Quasi Peak Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.997	24.7	21.7	46.4	60.0	-13.6
0.478	21.8	20.2	42.0	56.4	-14.4
3.019	15.7	20.3	36.0	56.0	-20.0
25.702	14.1	21.9	36.0	60.0	-24.0
0.956	11.2	20.3	31.5	56.0	-24.5
25.060	13.5	21.8	35.3	60.0	-24.7
25.590	12.9	21.9	34.8	60.0	-25.2
0.557	10.5	20.2	30.7	56.0	-25.3
25.180	12.6	21.8	34.4	60.0	-25.6
0.325	12.5	20.2	32.7	59.6	-26.9
25.807	11.2	21.9	33.1	60.0	-26.9
26.124	11.1	22.0	33.1	60.0	-26.9
24.635	11.2	21.8	33.0	60.0	-27.0
24.531	11.2	21.8	33.0	60.0	-27.0
24.146	11.1	21.8	32.9	60.0	-27.1
25.486	10.9	21.9	32.8	60.0	-27.2
24.180	10.8	21.8	32.6	60.0	-27.4
26.232	10.5	22.0	32.5	60.0	-27.5
3.049	8.1	20.3	28.4	56.0	-27.6
24.952	10.6	21.8	32.4	60.0	-27.6
27.168	10.0	22.1	32.1	60.0	-27.9
25.101	10.2	21.8	32.0	60.0	-28.0
26.336	10.0	22.0	32.0	60.0	-28.0
6.033	11.4	20.5	31.9	60.0	-28.1
23.355	10.1	21.7	31.8	60.0	-28.2
26.657	9.5	22.0	31.5	60.0	-28.5

Peak Data - vs - Average Limit

Freq (MHz)	Amp. (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Margin (dB)
23.997	24.7	21.7	46.4	50.0	-3.6
0.478	21.8	20.2	42.0	46.4	-4.4
3.019	15.7	20.3	36.0	46.0	-10.0
25.702	14.1	21.9	36.0	50.0	-14.0
0.956	11.2	20.3	31.5	46.0	-14.5
25.060	13.5	21.8	35.3	50.0	-14.7
25.590	12.9	21.9	34.8	50.0	-15.2
0.557	10.5	20.2	30.7	46.0	-15.3
25.180	12.6	21.8	34.4	50.0	-15.6
0.325	12.5	20.2	32.7	49.6	-16.9
25.807	11.2	21.9	33.1	50.0	-16.9
26.124	11.1	22.0	33.1	50.0	-16.9
24.635	11.2	21.8	33.0	50.0	-17.0
24.531	11.2	21.8	33.0	50.0	-17.0
24.146	11.1	21.8	32.9	50.0	-17.1
25.486	10.9	21.9	32.8	50.0	-17.2
24.180	10.8	21.8	32.6	50.0	-17.4
26.232	10.5	22.0	32.5	50.0	-17.5
3.049	8.1	20.3	28.4	46.0	-17.6
24.952	10.6	21.8	32.4	50.0	-17.6
27.168	10.0	22.1	32.1	50.0	-17.9
25.101	10.2	21.8	32.0	50.0	-18.0
26.336	10.0	22.0	32.0	50.0	-18.0
6.033	11.4	20.5	31.9	50.0	-18.1
23.355	10.1	21.7	31.8	50.0	-18.2
26.657	9.5	22.0	31.5	50.0	-18.5

## CONCLUSION

Pass



Tested By