



# FCC Test Report

Test report no.: EMC\_958\_FCC15.407\_2005

FCC Part 15.407 for UNII Devices /  
CANADA RSS-210 Issue 5 for LELEAN Devices

EUT: iX104C2

FCC ID: Q2GIX104-138, Q2GIX104-139 & Q2GIX104-140

IC ID: 4596A-IX104WBG



**TTI-P-G 081/94-A0**

Accredited according to **ISO/IEC 17025**



**Bluetooth Qualification  
Test Facility  
(BQTF)**



FCC listed # 101450

IC recognized # 3925

## **CETECOM Inc.**

411 Dixon Landing Road • Milpitas, CA 95035 • U.S.A.

Phone: + 1 (408) 586 6200 • Fax: + 1 (408) 586 6299 • E-mail: [info@cetecomusa.com](mailto:info@cetecomusa.com) • <http://www.cetecom.com>

CETECOM Inc. is a Delaware Corporation with Corporation number: 2113686  
Board of Directors: Dr. Harald Ansorge, Dr. Klaus Matkey, Hans Peter May

## Table of Contents

- 1 General information
  - 1.1 Notes
  - 1.2 Testing laboratory
  - 1.3 Details of applicant
  - 1.4 Application details
  - 1.5 Test item
  - 1.6 Test standards
- 2 Technical test
  - 2.1 Summary of test results
  - 2.2 Test report
- 1 General information
  - 1.1 Notes

The test results of this test report relate exclusively to the test item specified in 1.5. The CETECOM Inc. USA does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of the CETECOM Inc USA.

### TEST REPORT PREPARED BY:

EMC Engineer: Pete Krebill

1.2 Testing laboratory  
CETECOM Inc.  
411 Dixon Landing Road, Milpitas, CA-95035, USA  
Phone : +1 408 586 6200 Fax : +1 408 586 6299  
E-mail : [lothar.schmidt@cetecomusa.com](mailto:lothar.schmidt@cetecomusa.com)  
Internet: [www.cetecom.com](http://www.cetecom.com)

**2.2 Details of applicant**

**Name** : Xplore Technologies  
**Street** : 14000 Summit Drive  
**City / Zip Code** : Austin, TX 78728  
**Country** : USA  
**Contact** : Douglas Fowler  
**Telephone** : (512) 336-7797 ext 226  
**Tele-fax** : (512) 336-7791  
**e-mail** : [mrzzaz@xploretech.com](mailto:mrzzaz@xploretech.com)

**1.4 Application details**

Date of receipt test item : 2005-06-11  
Date of test : 2005-06-15 to 2005-06-20

**2.2 Test item**

**Manufacturer** : Applicant  
**Model No. (EUT)** : iX104C2  
**Description** : Personal Computer Tablet  
**FCC ID** : Q2GIX104-138, Q2GIX104-139 & Q2GIX104-140  
**IC ID** : 4596A-IX104WBG

**Additional information**

**Frequency** : 2412MHz – 2472MHz for 2.4GHz band (not covered in this test report)  
5180MHz – 5320MHz for 5GHz band (covered in this test report)  
**Type of modulation** : DSSS / OFDM (orthogonal frequency division multiplexing)  
**Number of channels** : 13 for 2.4GHz band  
35 for 5GHz band  
**Antenna** : Embedded  
**Power supply** : 3.3 VDC from Host  
**Output power** : 27.15 dBm (518.8 mW) EIRP for 5180-5320GHz  
**Extreme temp. Tolerance** : 0°C to +70°C

**1.6 Test standards:** **FCC Part 15 §15.407 / CANADA RSS-210**  
**Measurements done as per DA 02-2138**


**PROJECT OVERVIEW:**

2 Technical test


2.2 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests Performed	
Final Verdict: (Only "passed" if all single measurements are "passed")	<b>Passed</b>

**Technical responsibility for area of testing:**

2005-08-29	EMC & Radio	Lothar Schmidt (Technical Manager)	
<b>Date</b>	<b>Section</b>	<b>Name</b>	<b>Signature</b>

**Responsible for test report and project leader:**

2005-08-29	EMC & Radio	Pete Krebill (EMC Engineer)	
<b>Date</b>	<b>Section</b>	<b>Name</b>	<b>Signature</b>

**2.2 Test report**

**TEST REPORT**

**Test report no.: EMC\_958\_FCC15.407\_2005**

**FCC Part 15.407 for UNII Devices / CANADA RSS-210**

**TEST REPORT REFERENCE:**

<b>LIST OF MEASUREMENTS</b>	<b>PAGE</b>
<b>MAXIMUM PEAK OUTPUT POWER § 15.407 (a)(1)(2)</b>	<b>7</b>
<b>BAND EDGE COMPLIANCE §15.407 (b)(1)(2)(4)(6)</b>	<b>8</b>
<b>EMISSION LIMITATIONS § 15.407 (b)(1)(2)(4)(6)</b>	<b>12</b>
<b>RECEIVER SPURIOUS RADIATION § 15.209</b>	<b>26</b>
<b>TEST EQUIPMENT AND ANCILLARIES USED FOR TESTS</b>	<b>32</b>

**MAXIMUM PEAK OUTPUT POWER  
(RADIATED)**

**§ 15.407 (a)(1)(2)**

**(Data rate – 54Mbps)**

54Mbps is found to be worst-case for peak output power.

**EIRP:**

**Test Results**

TEST CONDITIONS		MAXIMUM PEAK OUTPUT POWER (dBm)		
		5180	5260	5320
Frequency (MHz)				
T <sub>nom</sub> (23)°C	V <sub>nom</sub> (3.3) VDC	20.77	27.15	27.01
Measurement uncertainty		±0.5dBm		

**LIMIT**

**SUBCLAUSE § 15.407 (a)(1)(2)**

Frequency range (GHz)	Conducted Peak Power
5.15 – 5.25	17dBm
5.25 – 5.35	24dBm
If transmitting antennas of directional gain greater than 6dBi are used, both the peak transmit power and the peak spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi	

**BAND EDGE COMPLIANCE**  
**CETECOM Inc.**

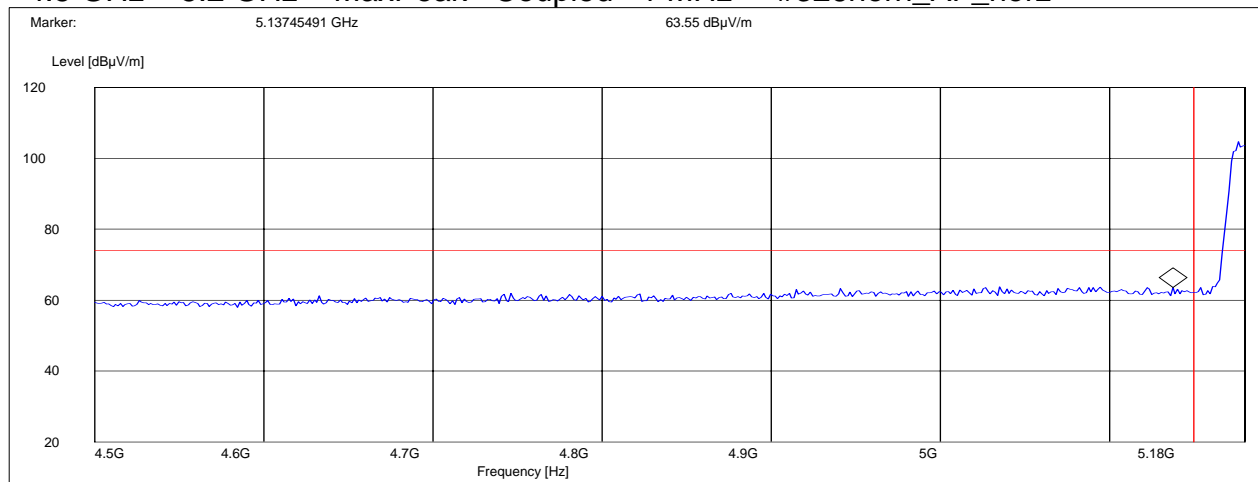
§15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g  
Customer: Xplore  
Operating Mode: TX@5180MHz A-mode (average pwr=11.45dbm)  
Antenna: V  
EUT: H  
Test Engineer: Neelesh  
Comment: BANDEDGE PEAK

**SWEEP TABLE: "FCC15.407 A\_LBE\_PK"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
4.5 GHz	5.2 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz





**BAND EDGE COMPLIANCE**  
**CETECOM Inc.**

§15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5180MHz A-mode (average pwr=11.45dbm)

Antenna: V

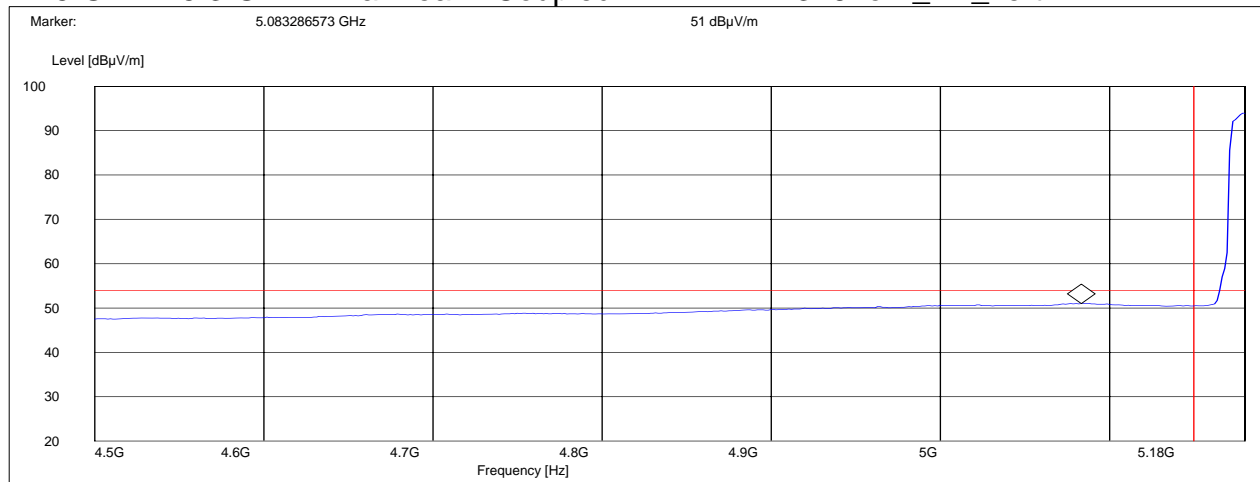
EUT: H

Test Engineer: Neelesh

Comment: BANDEDGE AVG

**SWEEP TABLE: "FCC15.407 A\_LBE\_AVG"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
4.5 GHz	5.3 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_vert



**BAND EDGE COMPLIANCE**  
**CETECOM Inc.**

§15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5320MHz A-mode (average pwr=16.2dbm)

Antenna: V

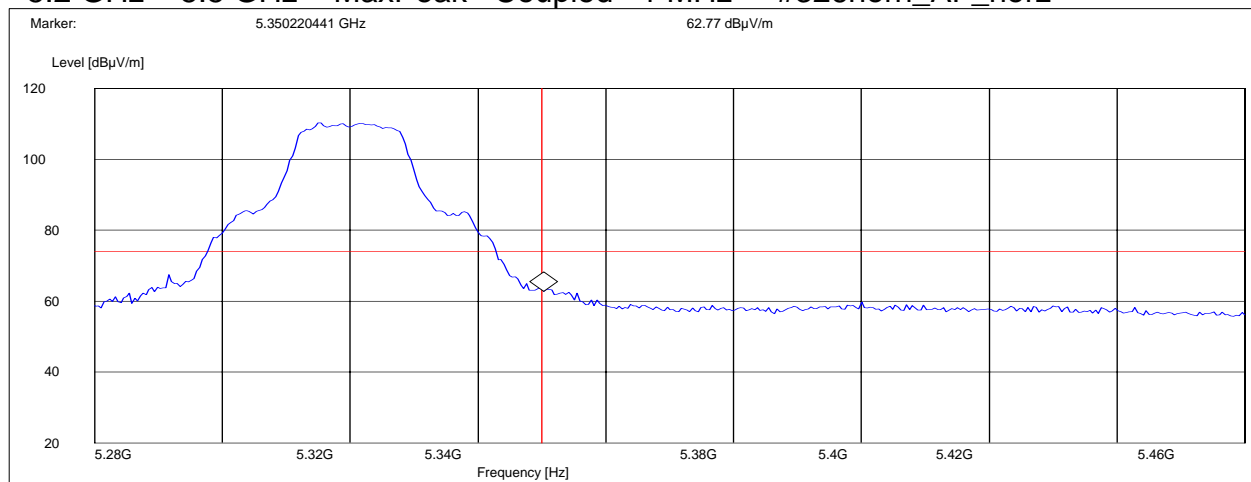
EUT: H

Test Engineer: Neelesh

Comment: BANDEDGE PEAK

**SWEEP TABLE: "FCC15.407 A\_HBE\_PK"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
5.2 GHz	5.5 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz



**BAND EDGE COMPLIANCE**  
**CETECOM Inc.**

§15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5320MHz A-mode (average pwr=16.2dbm)

Antenna: V

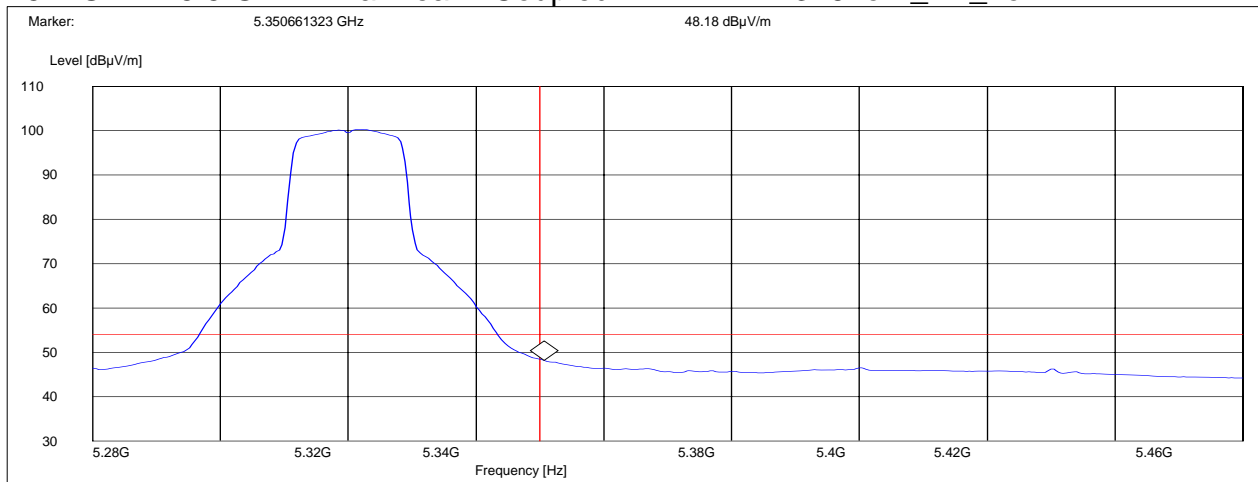
EUT: H

Test Engineer: Neelesh

Comment: BANDEDGE AVG

**SWEEP TABLE: "FCC15.407 A\_HBE\_AVG"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
5.2 GHz	5.5 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_horz



**EMISSION LIMITATIONS  
Transmitter (Radiated)**

§ 15.407 (b)(1)(2)(4)(6)

**Limits**

§ 15.209 / § 15.407

Freq. (MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)
0.009-0.490	2400/F (kHz)	
0.490-1.750	24000/F (kHz)	
1.705-30.0	30	29.54
30-88	100	40.00
88-216	150	43.52
216-960	200	46.02
Above 960*	500	53.97
1000-40000**	2013.8	66.08

\*) Limit in restricted bands

\*\*) Limit outside restricted bands

**NOTE:**

1. The radiated emissions were done with different settings, using the relevant pre-amplifiers for the relevant frequency ranges. This is the reason that the graphs show different noise levels. In the range between 3 and 40 GHz very short cable connections to the antenna was used to minimize the noise level.

2. All measurements are done in peak mode unless specified with the plots.

**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5260MHz A-mode (average power = 16.30dBm)

Antenna: V

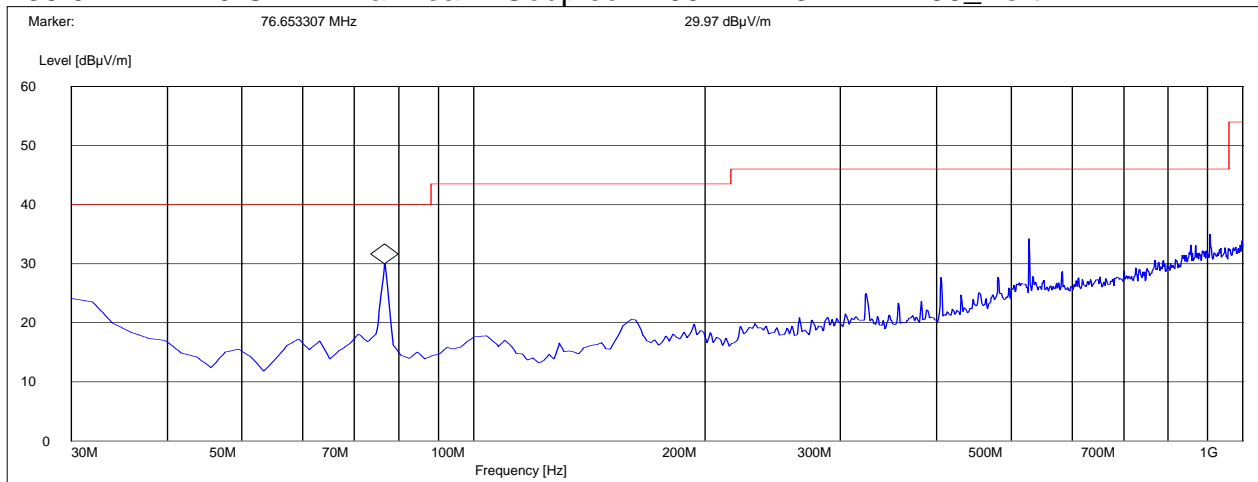
EUT: H

Test Engineer: Mark

Comment: 30MHz-1GHz

**SWEEP TABLE: "FCC15.247\_30M-1G\_Ver"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	3141-#1186_Vert



**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5180MHz A-mode (average power = 11.45dBm)

Antenna: V

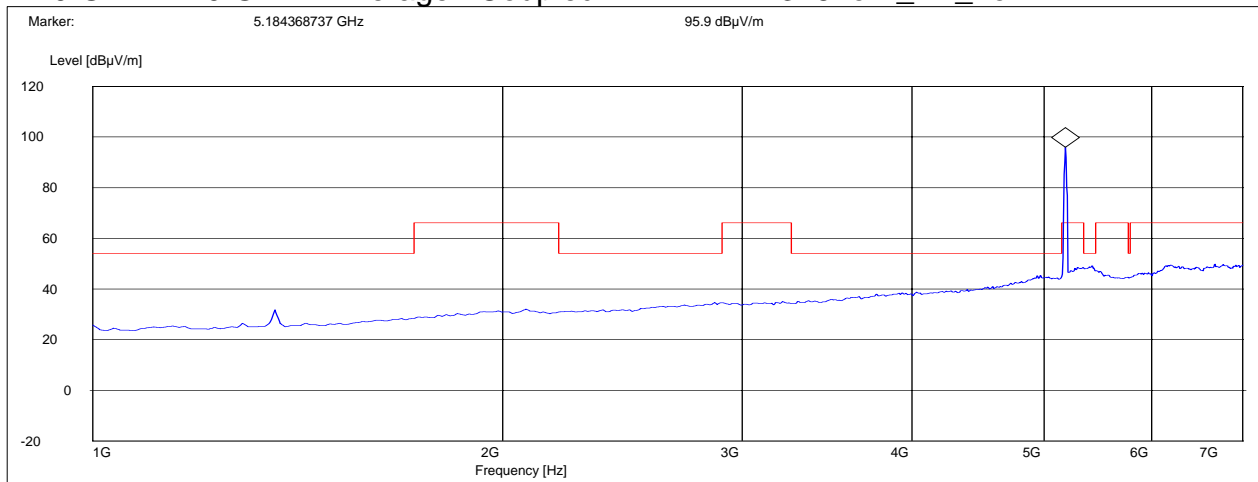
EUT: H

Test Engineer: Mark

Comment: 1GHz-7GHz average

**SWEEP TABLE: "FCC 15.407 1-7G\_Avg"**

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
1.0 GHz	7.0 GHz	Average	Coupled	1 MHz	#326horn_AF_horz



**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

§ 15.247 (c) (1)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5260MHz A-mode (average power = 16.30dBm)

Antenna: V

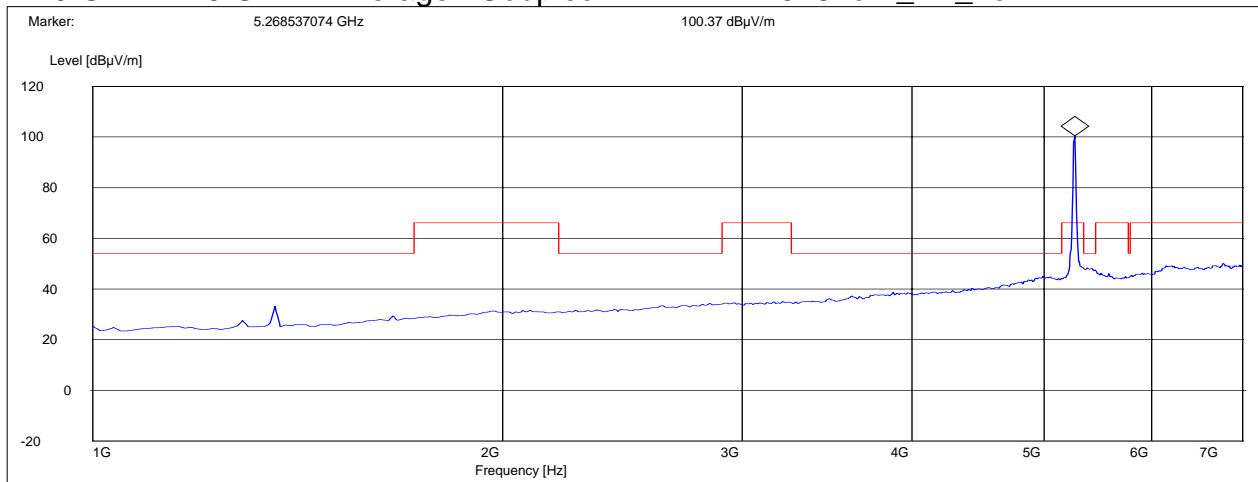
EUT: H

Test Engineer: Mark

Comment: 1GHz-7GHz average

**SWEEP TABLE: "FCC 15.407 1-7G\_Avg"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
1.0 GHz	7.0 GHz	Average	Coupled	1 MHz	#326horn_AF_horz



**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5320MHz A-mode (average power = 16.20dBm)

Antenna: V

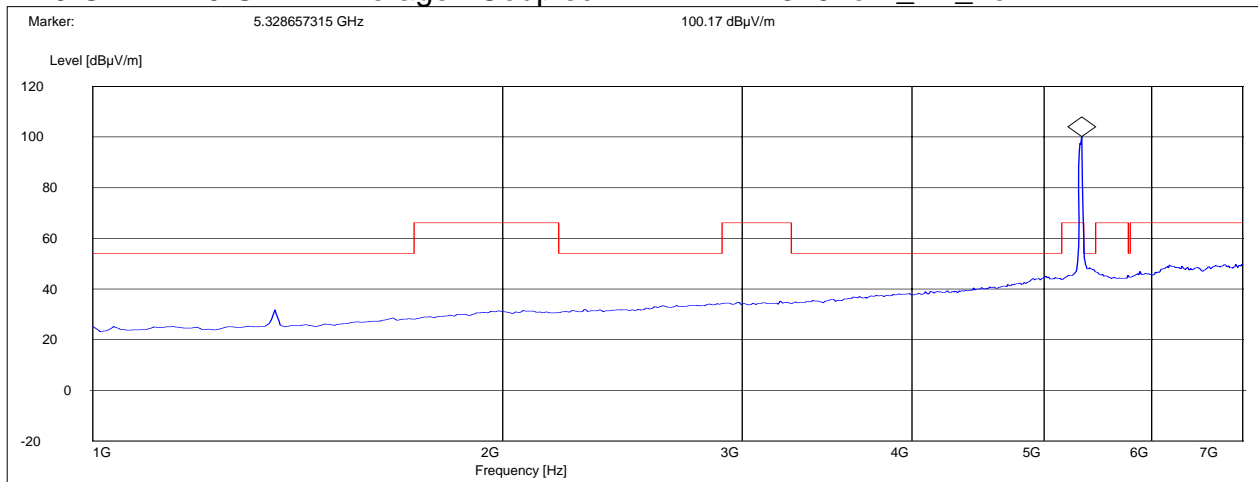
EUT: H

Test Engineer: Mark

Comment: 1GHz-7GHz average

**SWEEP TABLE: "FCC 15.407 1-7G\_Avg"**

Start	Stop	Detector	Meas.	IF	Transducer
Frequency	Frequency		Time	Bandw.	
1.0 GHz	7.0 GHz	Average	Coupled	1 MHz	#326horn_AF_horz





**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

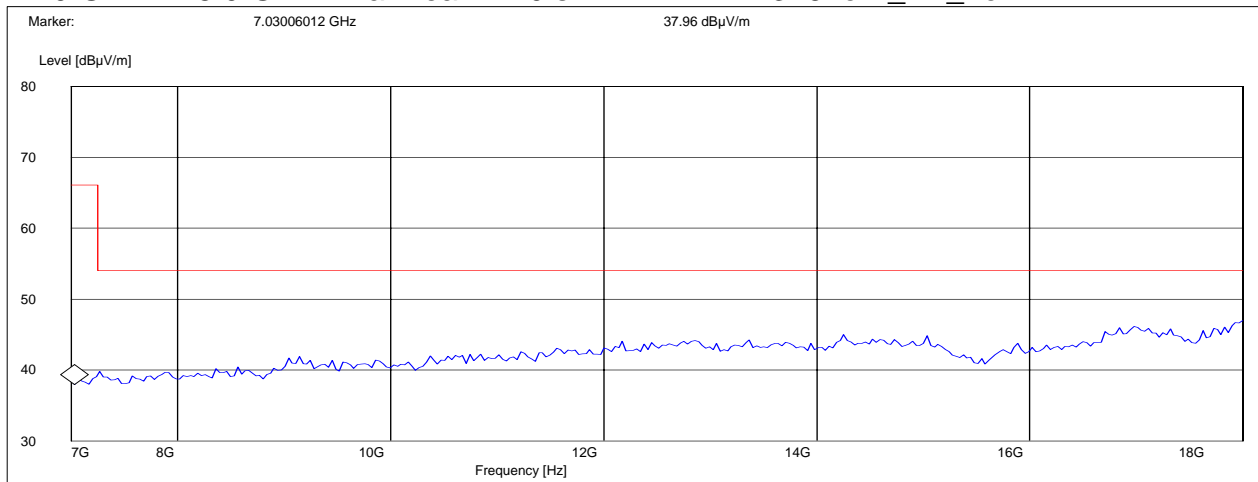
§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g  
Customer: Xplore  
Operating Mode: TX@5180MHz A-mode (average power = 11.45dBm)  
Antenna: V  
EUT: H  
Test Engineer: Mark  
Comment: 7GHz-18GHz peak

**SWEEP TABLE: "FCC 15.407 7-18G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
1.0 GHz	18.0 GHz	MaxPeak	1.0 s	1 MHz	#326horn_AF_horz



## EMISSION LIMITATIONS - Radiated (Transmitter) CETECOM Inc.

§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5260MHz A-mode (average power = 16.30dBm)

Antenna: V

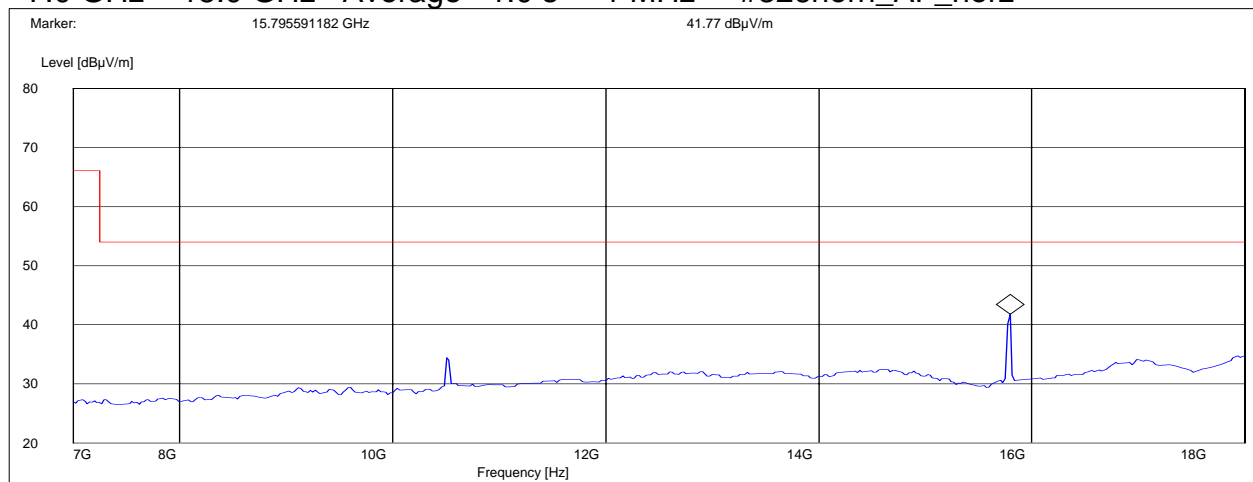
EUT: H

Test Engineer: Mark

Comment: 7GHz-18GHz average

### **SWEEP TABLE: "FCC 15.407 7-18G\_Avg"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
7.0 GHz	18.0 GHz	Average	1.0 s	1 MHz	#326horn_AF_horz



**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

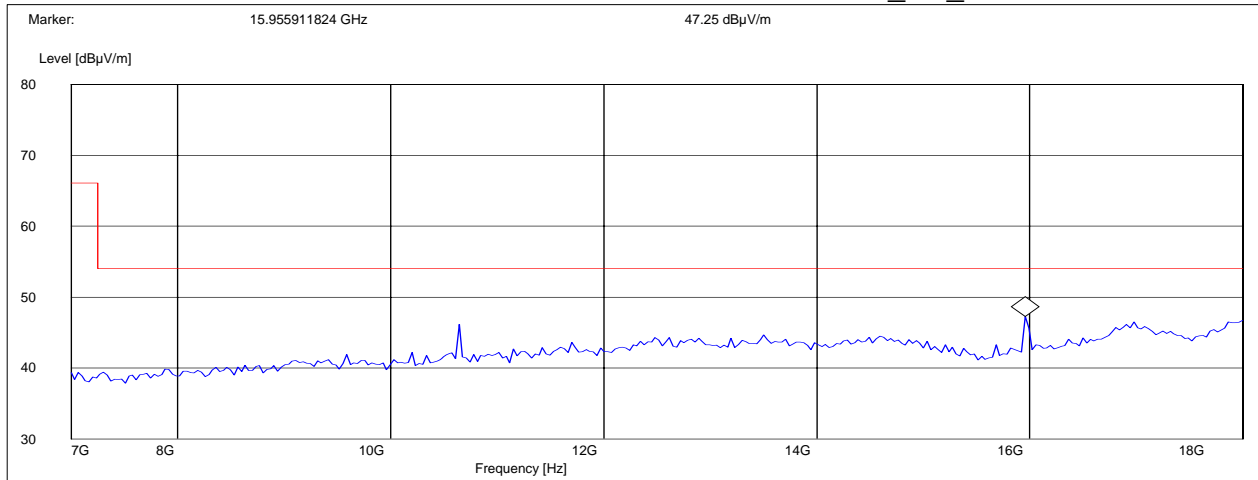
§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g  
Customer: Xplore  
Operating Mode: TX@5320MHz A-mode (average power = 16.20dBm)  
Antenna: V  
EUT: H  
Test Engineer: Mark  
Comment: 7GHz-18GHz

**SWEEP TABLE: "FCC 15.407 7-18G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
1.0 GHz	18.0 GHz	MaxPeak	1.0 s	1 MHz	#326horn_AF_horz



**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5180MHz A-mode (average power = 11.45dBm)

Antenna: V

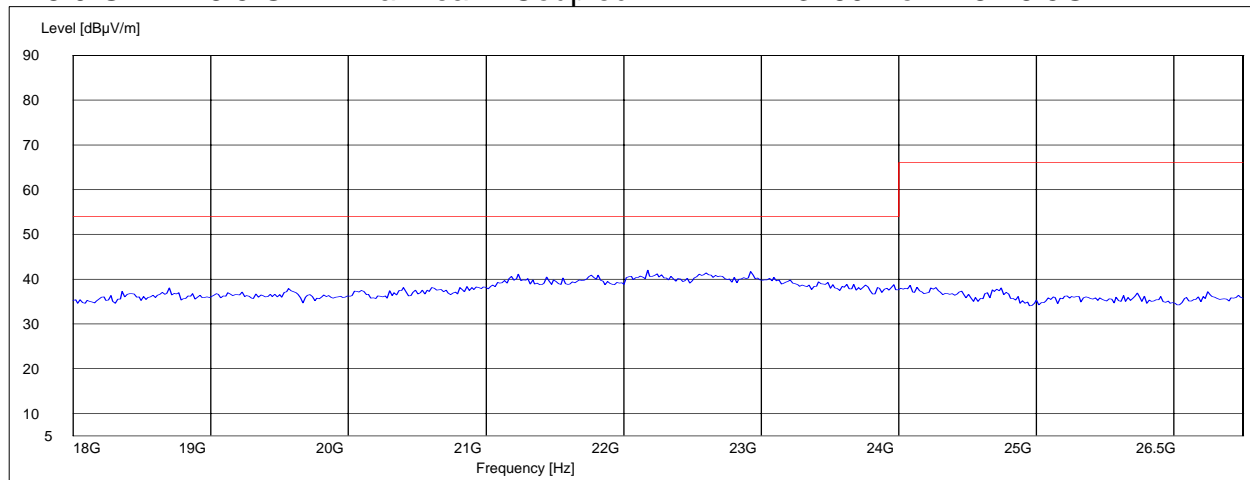
EUT: H

Test Engineer: Mark

Comment: 18GHz-26.5GHz

**SWEEP TABLE: "FCC 15.407 18-26.5G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	26.5 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G



**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5260MHz A-mode (average power = 16.30dBm)

Antenna: V

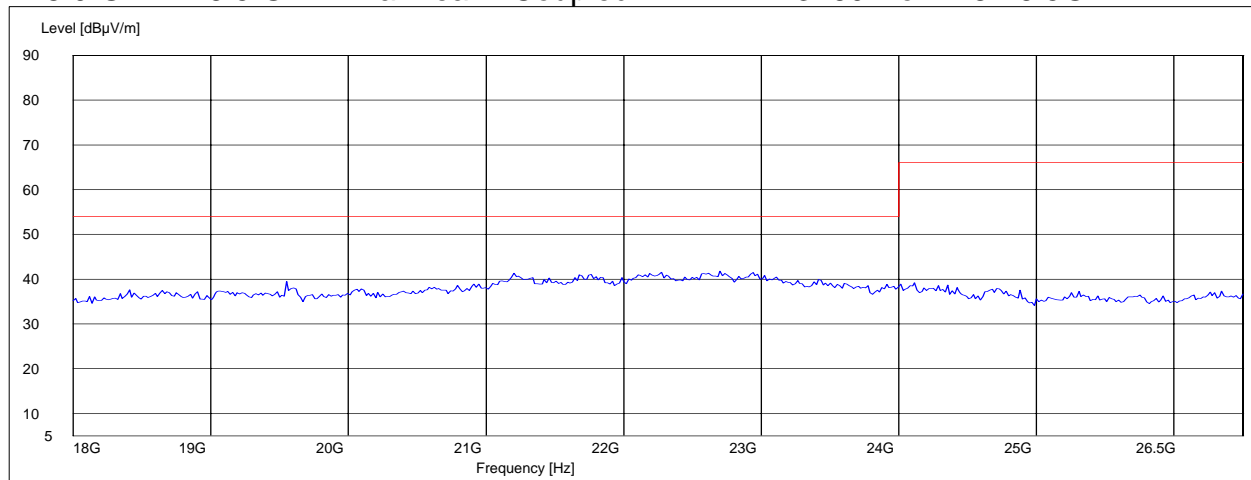
EUT: H

Test Engineer: Mark

Comment: 18GHz -26.5GHz

**SWEEP TABLE: "FCC 15.407 18-26.5G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	26.5 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G



**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5320MHz A-mode (average power = 16.20dBm)

Antenna: V

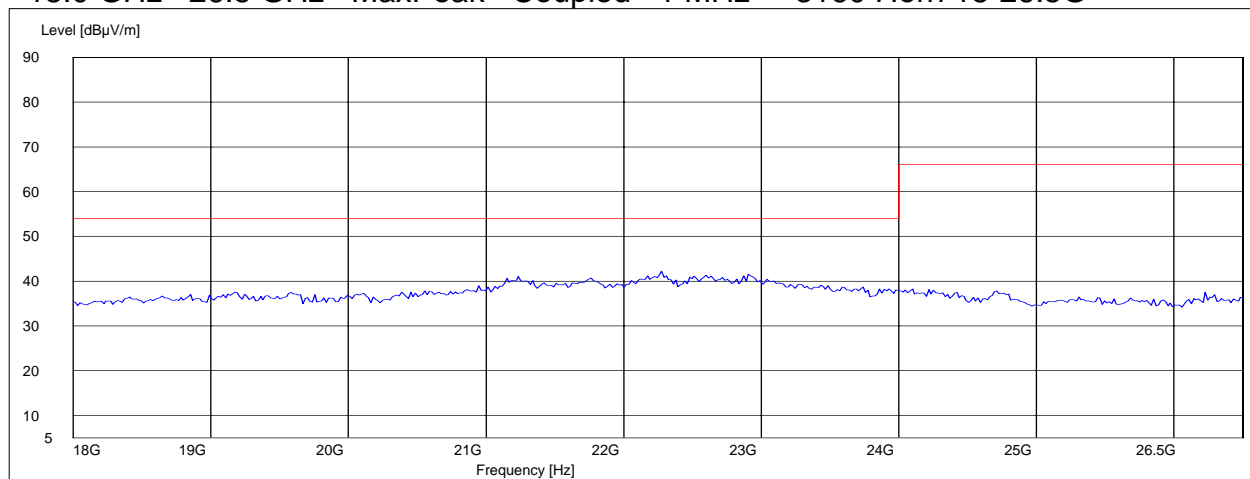
EUT: H

Test Engineer: Mark

Comment: 18GHz-26.5GHz

**SWEEP TABLE: "FCC 15.407 18-26.5G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	26.5 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G



**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

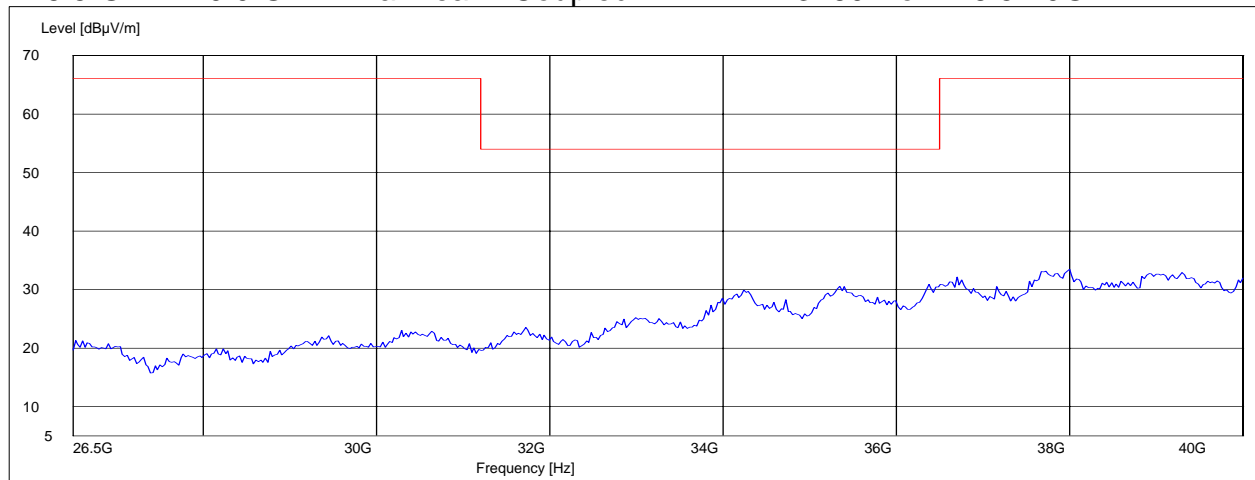
§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g  
Customer: Xplore  
Operating Mode: TX@5180MHz A-mode (average power = 11.45dBm)  
Antenna: V  
EUT: H  
Test Engineer: Mark  
Comment: 26.5GHz-40GHz

**SWEEP TABLE: "FCC 15.407 26.5-40G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
26.5 GHz	40.0 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 26.5-40G



**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5260MHz A-mode (average power = 16.30dBm)

Antenna: V

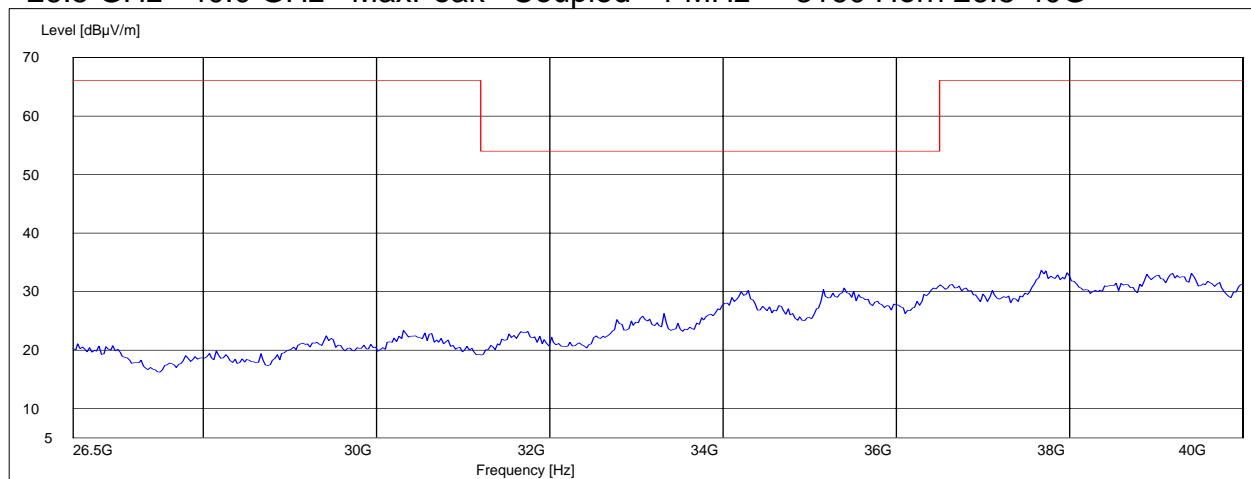
EUT: H

Test Engineer: Mark

Comment: 26.5GHz-40GHz

**SWEEP TABLE: "FCC 15.407 26.5-40G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
26.5 GHz	40.0 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 26.5-40G





**EMISSION LIMITATIONS - Radiated (Transmitter)**  
**CETECOM Inc.**

§ 15.407 (b)(1)(2)(4)(6)

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: TX@5320MHz A-mode (average power = 16.20dBm)

Antenna: V

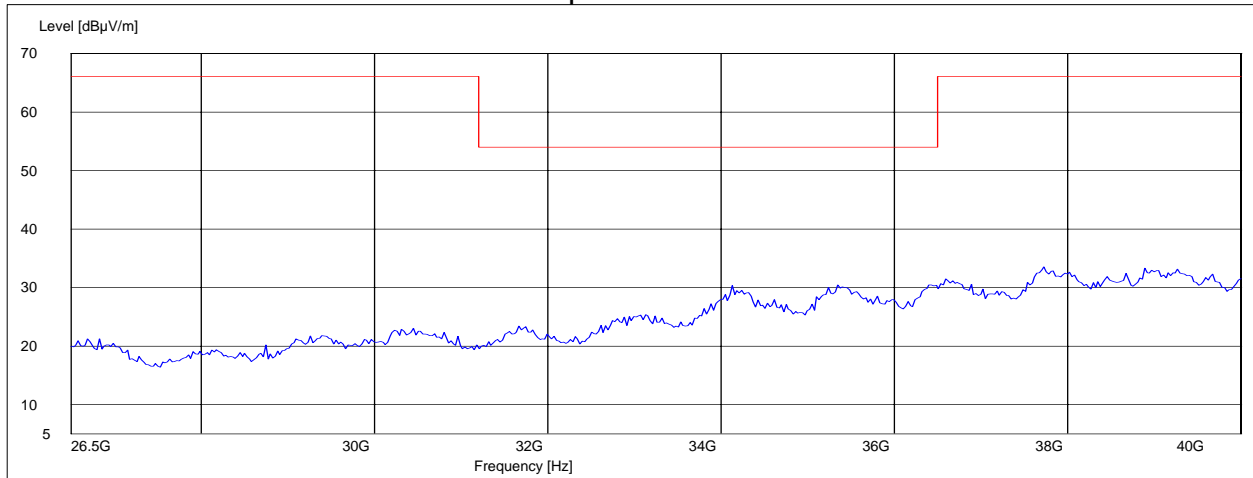
EUT: H

Test Engineer: Mark

Comment: 26.5GHz-40GHz

**SWEEP TABLE: "FCC 15.407 26.5-40G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
26.5 GHz	40.0 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 26.5-40G



**RECEIVER SPURIOUS RADIATION**

§ 15.209

**Limits**

Frequency (MHz)	Field strength ( $\mu\text{V/m}$ )	Measurement distance (m)
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
above 960	500	3

**NOTE:**

The radiated emissions were done with different settings, using the relevant pre-amplifiers for the relevant frequency ranges. This is the reason that the graphs show different noise levels. In the range between 3 and 40GHz very short cable connections to the antenna was used to minimize the noise level.

**RECEIVER SPURIOUS RADIATION**  
**CETECOM Inc.**

§ 15.209

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: RX@5260MHz A-mode

Antenna: H

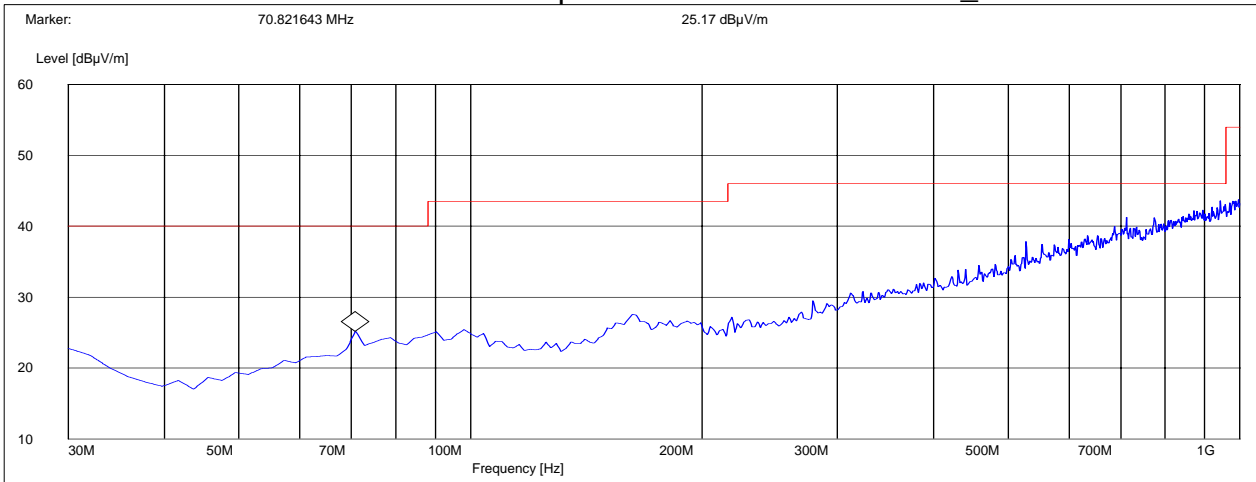
EUT: H

Test Engineer: Mark

Comment: 30MHz-1GHz FCC15.209 Class B (Canada)

**SWEEP TABLE: "CANADA RE\_30M-1G\_Horz"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz	3141-#1186_Horz



**RECEIVER SPURIOUS RADIATION**  
**CETECOM Inc.**

§ 15.209

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: RX@5260MHz A-mode

Antenna: V

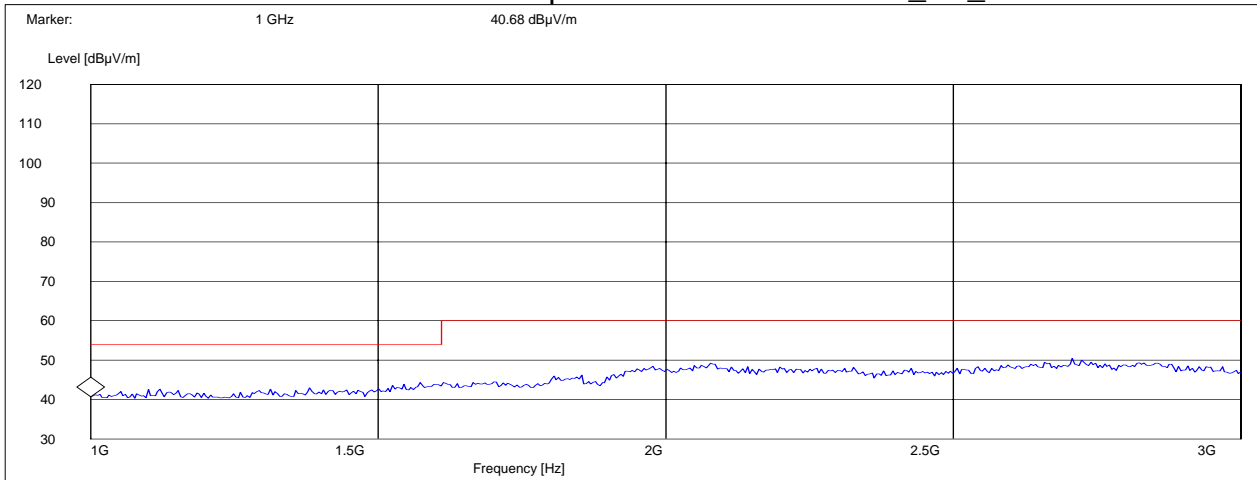
EUT: H

Test Engineer: Mark

Comment: 1GHz-3GHz FCC15.209 Class B (Canada)

**SWEEP TABLE: "CANADA RE\_1-3G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
1.0 GHz	3.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_vert



**RECEIVER SPURIOUS RADIATION**  
**CETECOM Inc.**

§ 15.209

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: RX@5260MHz A-mode

Antenna: V

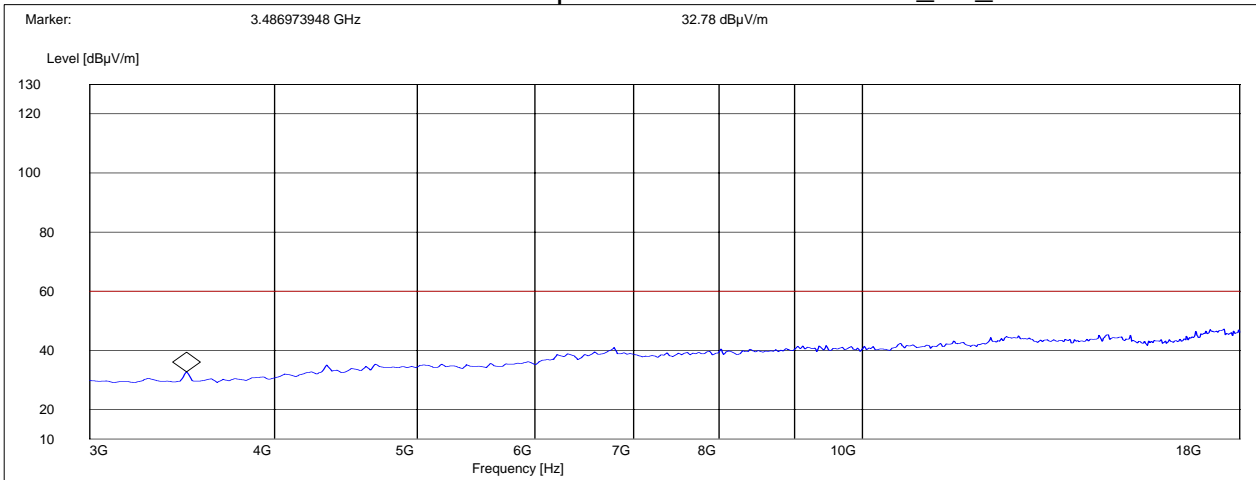
EUT: H

Test Engineer: Mark

Comment: 3GHz-18GHz FCC15.209 Class B (Canada)

**SWEEP TABLE: "CANADA RE\_3-18G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
1.0 GHz	18.0 GHz	MaxPeak	Coupled	1 MHz	#326horn_AF_vert



**RECEIVER SPURIOUS RADIATION**  
**CETECOM Inc.**

§ 15.209

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: RX@5260MHz A-mode

Antenna: V

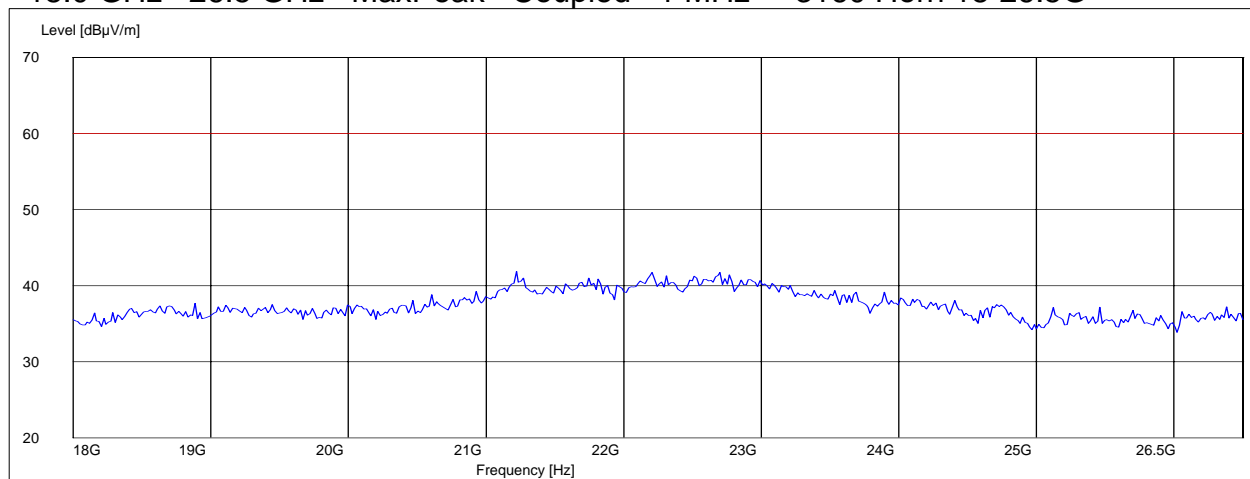
EUT: H

Test Engineer: Mark

Comment: 18GH-26GHz FCC15.209 Class B (Canada)

**SWEEP TABLE: "CANADA RE\_18-26.5G"**

Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
18.0 GHz	26.5 GHz	MaxPeak	Coupled	1 MHz	3160 Horn 18-26.5G



**RECEIVER SPURIOUS RADIATION**  
**CETECOM Inc.**

§ 15.209

**411 Dixon Landing Road, Milpitas CA 95035, USA**

EUT / Description: iX104 / tablet PC: 850/900/1800/1900; 802.11a,b,g

Customer: Xplore

Operating Mode: RX@5260MHz A-mode

Antenna: V

EUT: H

Test Engineer: Mark

Comment: 26.5GHz-40GHz FCC15.209 Class B (Canada)

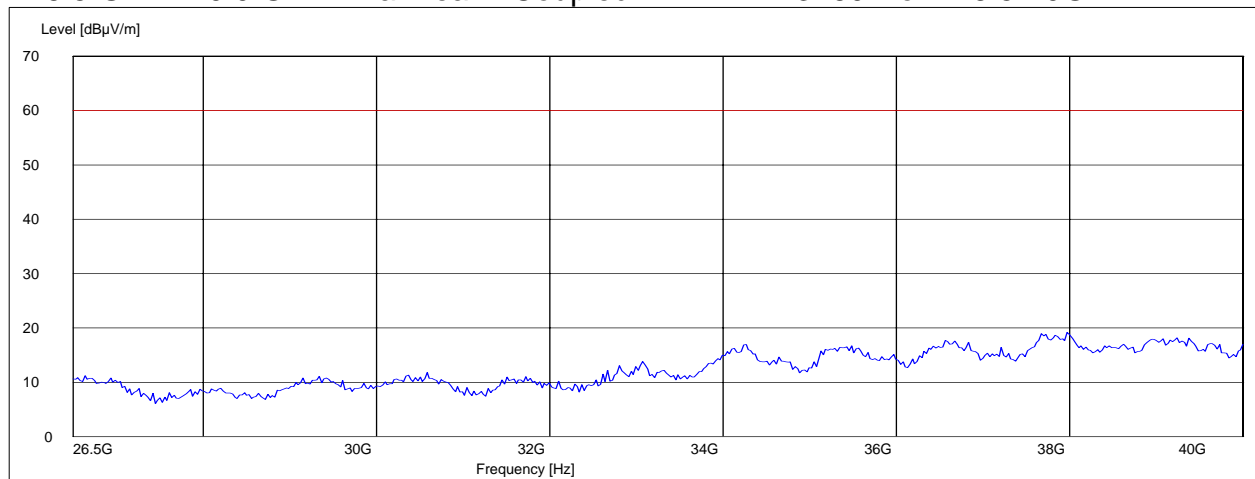
**SWEEP TABLE: "CANADA RE\_26.5-40G"**

Short Description: Bluetooth 18 - 26 GHz

Start Stop Detector Meas. IF Transducer

Frequency Frequency Time Bandw.

26.5 GHz 40.0 GHz MaxPeak Coupled 1 MHz 3160 Horn 26.5-40G



**TEST EQUIPMENT AND ANCILLARIES USED FOR TESTS**

<b>No</b>	<b>Instrument/Ancillary</b>	<b>Type</b>	<b>Manufacturer</b>	<b>Serial No.</b>
<b>01</b>	Spectrum Analyzer	ESIB 40	Rohde & Schwarz	100107
<b>02</b>	Spectrum Analyzer	FSEM 30	Rohde & Schwarz	826880/010
<b>03</b>	Biconilog Antenna	3141	EMCO	0005-1186
<b>04</b>	Horn Antenna (700M-18GHz)	SAS-200/571	AH Systems	325
<b>05</b>	Horn Antenna (18-26.5GHz)	3160-09	EMCO	1240
<b>06</b>	Horn Antenna (26.5-40GHz)	3160-10	EMCO	1156
<b>07</b>	2-3GHz Band reject filter	BRM50701	Microtronics	6
<b>08</b>	Power-Meter	NRVD	Rohde & Schwarz	0857.8008.02
<b>09</b>	Pre-Amplifier	TS-ANA	Rohde & Schwarz	--
<b>10</b>	Pre-Amplifier	JS4-00102600	Miteq	00616



**Radiated Testing**

**ANECHOIC CHAMBER**

