Silex Technology America, Inc.

ADDENDUM TO TEST REPORT 90303-11A

Wireless 802.11a/b/g SD Card Radio, SX-SDCAG

Tested To The Following Standards:

FCC Part 15 Subpart C Sections 15.207, 15.209, 15.247

Report No.: 90303-11B

Date of issue: March 19, 2010



TESTING CERT #803.01, 803.02, 803.05, 803.06 This test report bears the accreditation symbol indicating that the testing performed herein meets the test and reporting requirements of ISO/IEC 17025 under the applicable scope of EMC testing for CKC Laboratories, Inc.

We strive to create long-term, trust based relationships by providing sound, adaptive, customer first testing services. We embrace each of our customers' unique EMC challenges, not as an interruption to set processes, but rather as the reason we are in business.



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ADMINISTRATIVE INFORMATION

Test Report Information

REPORT PREPARED FOR: REPORT PREPARED BY:

Silex Technology America, Inc.

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Mariposa, CA 95338

Representative: Ron Tozaki Project Number: 90303

Customer Reference Number: 3532

DATE OF EQUIPMENT RECEIPT: February 26, 2010

DATE(S) OF TESTING: February 26 – March 1, 2010

Revision History

Original Date of Issue: February 9, 2010

Addendum A: To add test results to support additional antenna configuration.

Addendum B: To correct an error in section 15.31(m) stating the EUT operates on a single channel. See revised

section 15.31(m) for channel information.

Report Authorization

The test data contained in this report documents the observed testing parameters pertaining to and are relevant for only the sample equipment tested in the agreed upon operational mode(s) and configuration(s) as identified herein. Compliance assessment remains the client's responsibility. This report may not be used to claim product endorsement by A2LA or any government agencies. This test report has been authorized for release under quality control from CKC Laboratories, Inc.

Steve Behm

Steve of Bell

Director of Quality Assurance & Engineering Services CKC Laboratories, Inc.

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Test Facility Information



Our laboratories are configured to effectively test a wide variety of product types. CKC utilizes first class test equipment, anechoic chambers, data acquisition and information services to create accurate, repeatable and affordable test results.

TEST LOCATION(S): CKC Laboratories, Inc. 110 Olinda Place Brea, CA 92823

Site Registration & Accreditation Information

Location	Japan	Canada	FCC	
Brea A	R-301, C-314 & T-1572	3082D-1	90473	

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SUMMARY OF RESULTS

Standard / Specification: FCC Part 15 .207, 15.209 & 15.247/RSS-210

Description	Test Procedure/Method	Results
Voltage Variations	15.31(e)	Pass
Conducted Emissions	FCC 15.207	Pass
6dB Bandwidth	FCC15.247(a)	Pass
RF Power Output	FCC 15.247(b)	Pass
Radiated Spurious Emissions	FCC 15.247(d)/15.209 /15.205	Pass
Power Spectral Density	FCC 15.247 (e)	Pass
Band Edge	ITU-R 55/1 and DA 00-705	Pass
99% Bandwidth	RSS-210 Version 7	Pass

Conditions During Testing

This list is a summary of the conditions noted for or modifications made to the equipment during testing.

Summary of Conditions	
None	

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EQUIPMENT UNDER TEST (EUT)

EQUIPMENT UNDER TEST

Wireless 802.11a/b/g SD Card Radio

Manuf: Silex Technology America, Inc.

Model: SX-SDCAG

Serial: E1

PERIPHERAL DEVICES

The EUT was tested with the following peripheral device(s):

Evaluator Board

Manuf: Silex Technology America, Inc.

Model: SX-560-6900

Serial: NA

802.11 a/b/g Wireless Access Point

Manuf: 3-Com Model: WL-526 Serial: NA

Serial Server

Manuf: Silex Technology America, Inc.

Model: SX-560 Serial: SL004545

Power Supply

Manuf: Condor Model: HK-CH13-A05

Serial: NA

Laptop

Manuf: Sony Model: PCG-982L Serial: 8323330

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FCC PART 15 SUBPART C

This report contains EMC emissions test results under United States Federal Communications Commission (FCC) 47 CRF 15C requirements for Unlicensed Radio Frequency Devices, Subpart C - Intentional Radiators.

Temperature And Humidity During Testing

The temperature during testing was within +15°C and + 35°C.

The relative humidity was between 20% and 75%.

15.31(e) Voltage Variations

15.31(e) The 5V DC supply voltage was varied + - 15 %, no variation in output power was observed.

15.31(m) Number Of Channels

2400-2483.5MHz = channels 1-11

5150 - 5250MHz = channels 36, 40, 44, 48

5725 - 5825MHz = channels 149, 153, 157, 161, 165

15.33(a) Frequency Ranges Tested

15.207 Conducted Emissions: 150 kHz - 30 MHz

15.209/15.225/15.247 Radiated Emissions: 9 kHz - 25GHz

15.203 Antenna Requirements

The antenna is an integral part of the EUT and is non-removable; therefore the EUT complies with Section 15.203 of the FCC rules.

EUT Operating Frequency

The EUT was operating at 2412MHz – 2462MHz

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15.207 AC Conducted Emissions

Test Data Sheets

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer: Silex Technology, America, Inc. Specification: FCC 15.207 COND [AVE]

Work Order #: 90303 Date: 2/2/2010
Test Type: Conducted Emissions Time: 14:29:33
Equipment: Wireless 802.11a/b/g SD Card Radio Sequence#: 6
Manufacturer: Silex Technology America, Inc. Tested By: E. Wong

Model: SX-SDCAG 110V 60Hz

S/N: E1

Test Equipment:

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672
LISN	1104	12/09/2008	12/09/2010	00847
6dB Attenuator	None	11/16/2009	11/16/2011	P05886
Conducted Emission Cable	Cable #21	05/12/2008	05/12/2010	P04358
150kHz HPF	G7755	11/16/2009	11/16/2011	02610

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Wireless 802.11a/b/g SD Card Radio*	Silex Technology America, Inc.	SX-SDCAG	E1

Support Devices:

Support Bevices.			
Function	Manufacturer	Model #	S/N
Evaluator Board	Silex Technology America, Inc.	SX-560-6900	NA
Power Supply	Condor	HK-CH13-A05	NA
802.11 a/b/g Wireless Access Point	3-Com	WL-526	NA
Laptop	Sony	PCG-982L	8323330
Serial Server	Silex Technology America, Inc.	SX-560	SL004545

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Test Conditions / Notes:

The EUT and support evaluation board are placed on the wooden table. The EUT seeking modular approval is extended beyond the perimeter of the evaluation board via an extender card.

The support laptop sends data to the EUT via a support WiFi hub. The EUT receives processes and returns the data to the support computer via a support wireless hub.

Serial port of the support evaluation board is connected to the suppler laptop via a serial cable and all other ports are left unpopulated.

Freq: 2412- 2462MHz

Tx Frequency: 2437MHz

Ch 6

Modulation: 802.11g(54Mpbs)

Firmware setting: 18

Power :17.5dBm (0.0562W)

Antenna Manufacturer : Ethertronics Antenna Gain: 2.5dBi @2.5GHz Antenna Gain: 3.5dBi @5.0GHz

Transmit via Antenna #1

13°C, 58% Relative Humidity

Transducer Legend:

T1=150kHz HPF AN02610_111611	T2=6dB atten-P05886-101410.TRN
T3=Cable #21 -P04358- Site A 05/12/10	T4=L1 Insertion Loss AN00847_120910

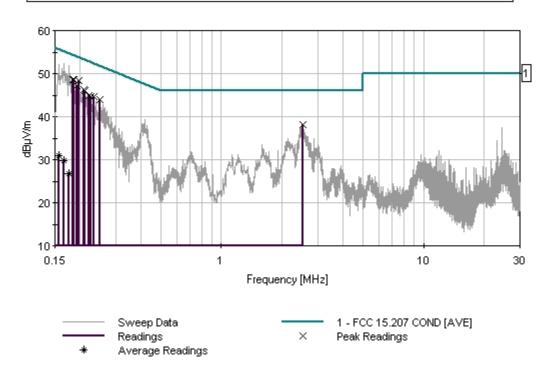
Measur	ement Data:	Re	eading lis	ted by ma	ırgin.			Test Lead	d: Black		
#	Freq	Rdng	T1	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dΒμV	dB	dB	dB	dB	Table	dBμV/m	dBμV/m	dB	Ant
1	196.541k	42.0	+0.3	+6.1	+0.0	+0.0	+0.0	48.4	53.8	-5.4	Black
2	185.633k	42.2	+0.2	+6.1	+0.0	+0.0	+0.0	48.5	54.2	-5.7	Black
3	184.179k	42.2	+0.2	+6.1	+0.0	+0.0	+0.0	48.5	54.3	-5.8	Black
4	192.905k	40.9	+0.2	+6.1	+0.0	+0.0	+0.0	47.2	53.9	-6.7	Black
5	208.177k	39.9	+0.3	+6.1	+0.0	+0.0	+0.0	46.3	53.3	-7.0	Black
6	211.085k	39.6	+0.3	+6.1	+0.0	+0.0	+0.0	46.0	53.2	-7.2	Black
7	234.356k	38.2	+0.3	+6.1	+0.0	+0.0	+0.0	44.6	52.3	-7.7	Black
8	221.993k	38.5	+0.3	+6.1	+0.0	+0.0	+0.0	44.9	52.7	-7.8	Black
9	251.082k	37.5	+0.3	+6.1	+0.0	+0.0	+0.0	43.9	51.7	-7.8	Black
10	2.536M	31.7	+0.1	+6.1	+0.1	+0.1	+0.0	38.1	46.0	-7.9	Black

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11	226.357k	38.2	+0.3	+6.1	+0.0	+0.0	+0.0	44.6	52.6	-8.0	Black
12	157.272k	23.9	+0.9	+6.1	+0.0	+0.0	+0.0	30.9	55.6	-24.7	Black
A	Ave										
٨	157.272k	45.1	+0.9	+6.1	+0.0	+0.0	+0.0	52.1	55.6	-3.5	Black
14	166.726k	23.2	+0.4	+6.1	+0.0	+0.0	+0.0	29.7	55.1	-25.4	Black
A	Ave										
٨	166.726k	45.9	+0.4	+6.1	+0.0	+0.0	+0.0	52.4	55.1	-2.7	Black
^	162.363k	44.7	+0.4	+6.1	+0.0	+0.0	+0.0	51.2	55.3	-4.1	Black
17	176.907k	20.4	+0.3	+6.1	+0.0	+0.0	+0.0	26.8	54.6	-27.8	Black
A	Ave										
٨	176.907k	45.5	+0.3	+6.1	+0.0	+0.0	+0.0	51.9	54.6	-2.7	Black

CKC Laboratories, Inc. Date: 2/2/2010 Time: 14:29:33 Silex Technology, America, Inc. WO#: 90303 FCC 15:207 COND [AVE] Test Lead: Black 110V 60Hz Sequence#: 6 SX-SDCAG





Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer: Silex Technology, America, Inc. Specification: FCC 15.207 COND [AVE]

Work Order #: 90303 Date: 2/2/2010
Test Type: Conducted Emissions Time: 2:30:38 PM

Equipment: Wireless 802.11a/b/g SD Card Radio Sequence#: 7

Manufacturer: Silex Technology America, Inc. Tested By: E. Wong Model: SX-SDCAG 110V 60Hz

S/N: E1

Test Equipment:

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672
LISN	1104	12/09/2008	12/09/2010	00847
6dB Attenuator	None	11/16/2009	11/16/2011	P05886
Conducted Emission Cable	Cable #21	05/12/2008	05/12/2010	P04358
150kHz HPF	G7755	11/16/2009	11/16/2011	02610

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Wireless 802.11a/b/g SD Card Radio*	Silex Technology America, Inc.	SX-SDCAG	E1

Support Devices:

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Function	Manufacturer	Model #	S/N
Evaluator Board	Silex Technology America, Inc.	SX-560-6900	NA
Power Supply	Condor	HK-CH13-A05	NA
802.11 a/b/g Wireless Access Point	3-Com	WL-526	NA
Laptop	Sony	PCG-982L	8323330
Serial Server	Silex Technology America, Inc.	SX-560	SL004545



Test Conditions / Notes:

The EUT and support evaluation board are placed on the wooden table.

The EUT seeking modular approval is extended beyond the perimeter of the evaluation board via an extender card.

The support laptop sends data to the EUT via a support WiFi hub. The EUT receives processes and returns the data to the support computer via a support wireless hub.

Serial port of the support evaluation board is connected to the suppler laptop via a serial cable and all other ports are left unpopulated.

Tx Frequency: 2437MHz Ch 6 Modulation: 802.11g(54Mpbs)

Firmware setting: 18 Power:17.5dBm (0.0562W)

Antenna Manufacturer: Ethertronics Antenna Gain: 2.5dBi @2.5GHz Antenna Gain: 3.5dBi @5.0GHz Transmit via Antenna #1

13°C, 58% Relative Humidity

Transducer Legend:

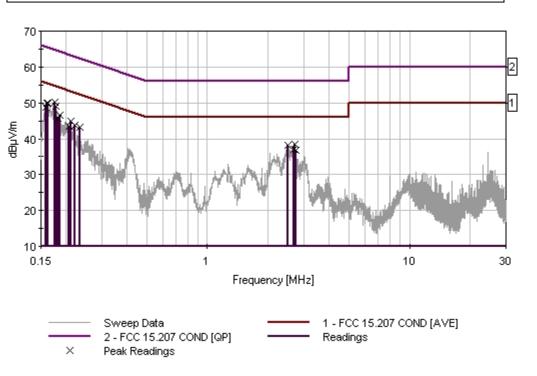
T1=150kHz HPF AN02610_111611	T2=6dB atten-P05886-101410.TRN
T3=Cable #21 -P04358- Site A 05/12/10	T4=L2 Insertion Loss AN00847_120910

Measur	rement Data:	Re	eading lis	ted by ma	argin.	Test Lead: White					
#	Freq	Rdng	T1	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dΒμV	dB	dB	dB	dB	Table	$dB\mu V/m$	$dB\muV/m$	dB	Ant
1	175.452k	43.7	+0.3	+6.1	+0.0	+0.1	+0.0	50.2	54.7	-4.5	White
2	162.363k	43.5	+0.4	+6.1	+0.0	+0.0	+0.0	50.0	55.3	-5.3	White
3	160.908k	43.3	+0.4	+6.1	+0.0	+0.0	+0.0	49.8	55.4	-5.6	White
4	177.634k	42.6	+0.2	+6.1	+0.0	+0.1	+0.0	49.0	54.6	-5.6	White
5	158.727k	42.2	+0.6	+6.1	+0.0	+0.0	+0.0	48.9	55.5	-6.6	White
6	2.710M	32.1	+0.1	+6.1	+0.1	+0.2	+0.0	38.6	46.0	-7.4	White
7	186.360k	40.2	+0.2	+6.1	+0.0	+0.1	+0.0	46.6	54.2	-7.6	White
8	2.497M	31.7	+0.1	+6.1	+0.1	+0.2	+0.0	38.2	46.0	-7.8	White
9	211.085k	38.3	+0.3	+6.1	+0.0	+0.1	+0.0	44.8	53.2	-8.4	White
10	182.724k	39.4	+0.2	+6.1	+0.0	+0.1	+0.0	45.8	54.4	-8.6	White
11	2.689M	30.7	+0.1	+6.1	+0.1	+0.2	+0.0	37.2	46.0	-8.8	White



12	219.812k	37.3	+0.3	+6.1	+0.0	+0.1	+0.0	43.8	52.8	-9.0	White
13	233.629k	36.8	+0.3	+6.1	+0.0	+0.1	+0.0	43.3	52.3	-9.0	White
14	2.736M	30.3	+0.1	+6.1	+0.1	+0.2	+0.0	36.8	46.0	-9.2	White
15	206.722k	37.0	+0.3	+6.1	+0.0	+0.1	+0.0	43.5	53.3	-9.8	White

CKC Laboratories, Inc. Date: 2/2/2010 Time: 2:30:38 PM Silex Technology, America, Inc. WO#: 90303 FCC 15.207 COND [AVE] Test Lead: White 110V 60Hz Sequence#: 7 SX-SDCAG





Test Setup Photos



Test Setup Using Antenna Manufacture: Ethertronics



Test Setup Using Antenna Manufacture: Ethertronics



15.247(a)(2)6dB Bandwidth

Test Data Sheets

Test Setup: The EUT is placed on the test bench. The device is set in continuous transmit mode, the emission profile is measured at the antenna port.

Test Conditions: Freq: 2.412-2462MHz

Tx Frequency: 2412 MHz, 2437MHz, 2462MHz Modulation: 802.11 b (11 Mbps), Ch 1, 6, 11

Firmware Power setting: 16, 18

Power= 15.5dBm (0.0355W), 15.6dBm (0.0363W), 16.6dBm (0.0457W)

Modulation: 802.11 g (54Mpbs) Ch 1, 6, 11

Firmware Power setting: 16, 18, 13

Power = 15.6 dBm(0.0363 W), 17.5dBm (0.0562W), 12.6dBm (0.0182W)

13°C, 58% Relative Humidity

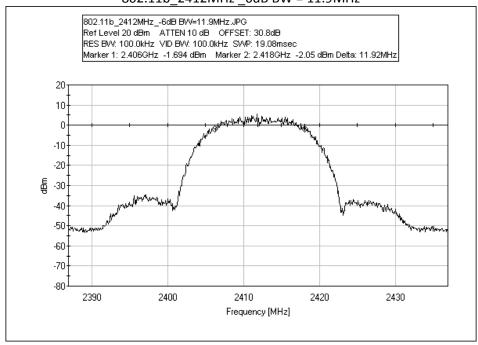
Test Engineer: E. Wong

Test Equipment								
Equipment	Serial	Cal Date	Cal Due	Asset				
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672				
3'-40GHz cable	NA	09/14/2009	09/14/2011	P02946				

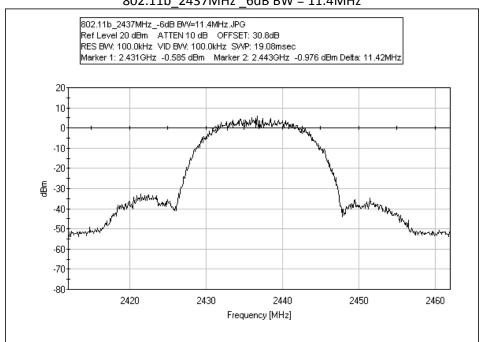


Test Data Sheets

802.11b_2412MHz _6dB BW = 11.9MHz

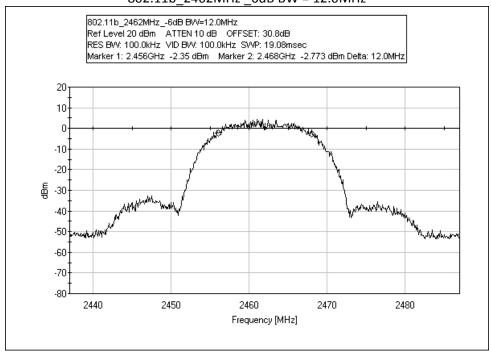


802.11b_2437MHz _6dB BW = 11.4MHz

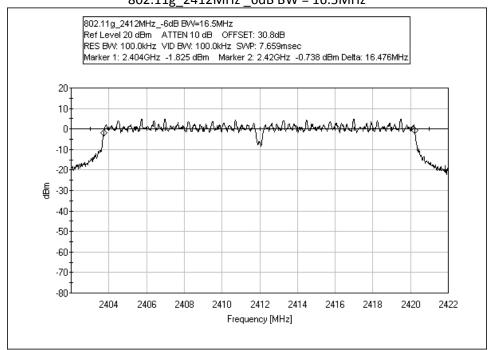




802.11b_2462MHz _6dB BW = 12.0MHz

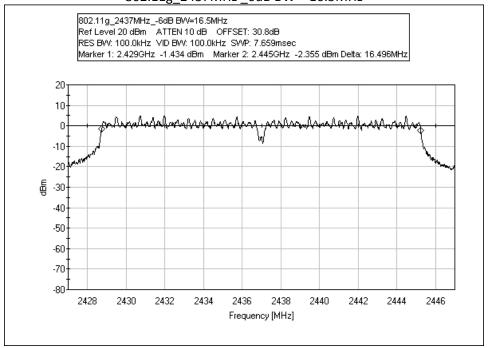


802.11g_2412MHz _6dB BW = 16.5MHz

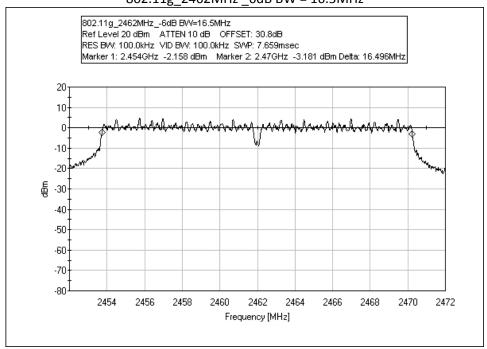




802.11g_2437MHz_6dB BW = 16.5MHz



802.11g_2462MHz _6dB BW = 16.5MHz





Test Setup Photos



Test Setup Using Antenna Manufacture: Ethertronics



15.247(b)(3) RF Power Output

Test Setup: The EUT is placed on the test bench. The device is set in continuous transmit mode, the RF output power is measure at the antenna port in accordance with KDB Publication No. 558074, Power option 2, Method #1.

Test Engineer: E. Wong

Test Equipment									
Equipment	Serial	Cal Date	Cal Due	Asset					
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672					
3'-40GHz cable	NA	09/14/2009	09/14/2011	P02946					
Power Supply	988614	10/14/2009	10/14/2010	1438					

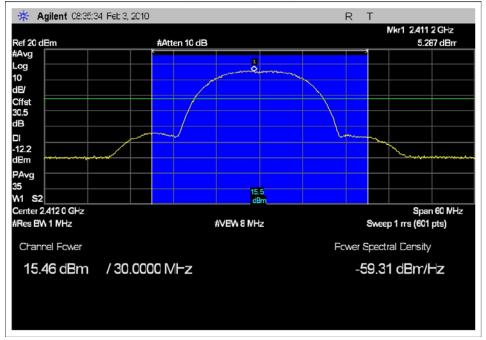
Test Data

Modulation	Frequency (MHz)	Channel	Firmware setting	Power (dBm)	Power (W)	
802.11b	2412	1	16	15.5	0.0355	
802.11b	2437	6	16	15.6	0.0363	
802.11b	2462	11	18	16.6	0.0457	
802.11g	2412	1	13	12.9	0.0195	
802.11g	2437	6	18	17.5	0.0562	
802.11g	2462	11	13	12.6	0.0182	

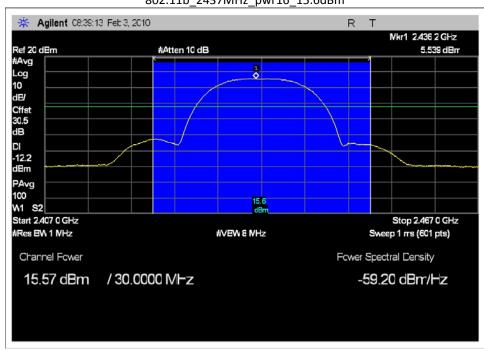
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802.11b_2412MHz_pwr16_15.5dBm

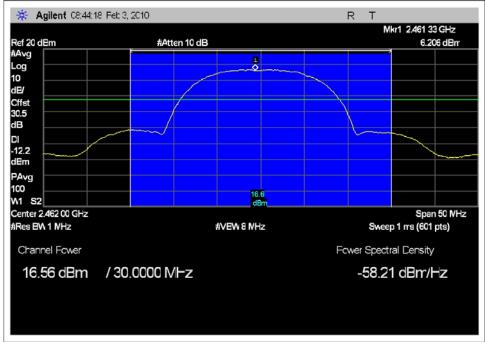


802.11b_2437MHz_pwr16_15.6dBm

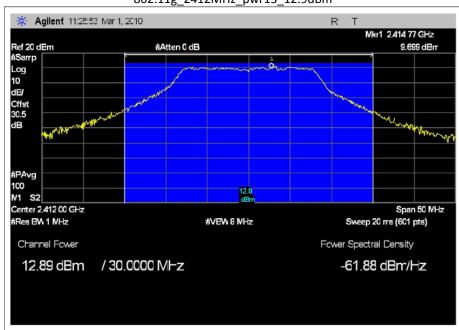




802.11b_2437MHz_pwr18_16.6dBm

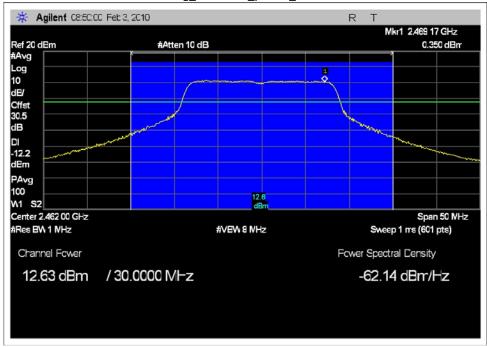


802.11g_2412MHz_pwr13_12.9dBm

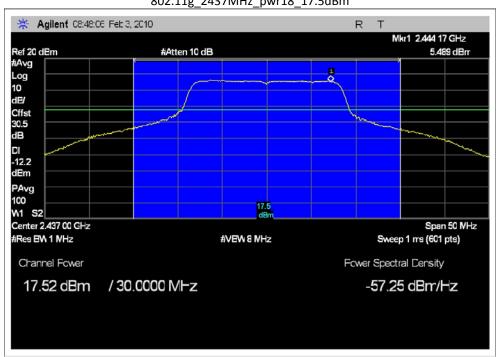




802.11g 2437MHz pwr13 12.6dBm



802.11g_2437MHz_pwr18_17.5dBm





Test Setup Photos



Test Setup Using Antenna Manufacture: Ethertronics



15.247(d)/15.209/15.205 Radiated Spurious Emissions

Test Data Sheets

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer: Silex Technology, America, Inc. Specification: FCC 15.247 (d) (FCC 15.209)

Work Order #: 90303 Date: 1/29/2010
Test Type: Radiated Scan Time: 15:59:50
Equipment: Wireless 802.11a/b/g SD Card Radio Sequence#: 8

Manufacturer: Silex Technology America, Inc. Tested By: E. Wong

Model: SX-SDCAG

S/N: E1

Test Equipment:

1 cst Equipment:				
Function	S/N	Calibration Date	Cal Due Date	Asset #
Bicon Antenna	220	10/22/2009	10/22/2011	306
Log Antenna	331	10/22/2009	10/22/2011	300
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672
Pre amp to SA Cable	Cable #10	04/16/2009	04/16/2011	P05050
Cable	Cable15	01/05/2009	01/05/2011	P05198
Pre Amp	1937A02548	05/02/2008	05/02/2010	00309
Horn Antenna	6246	06/06/2008	06/06/2010	00849
Microwave Pre-amp	3123A00281	07/28/2008	07/28/2010	00786
Heliax Antenna Cable	P5565	09/04/2008	09/04/2010	P05565
18-26GHz Horn	942126-003	11/12/2008	11/12/2010	01413
3.0 GHz HPF	1	03/25/2008	03/25/2010	02744
Loop Antenna	2014	06/16/2008	06/16/2010	00314
3'-40GHz cable	NA	09/14/2009	09/14/2011	P02946
2'-40GHz cable	NA	09/21/2009	09/21/2011	P2948

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Wireless 802.11a/b/g SD Card Radio*	Silex Technology America, Inc.	SX-SDCAG	E1

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Support Devices:

Function	Manufacturer	Model #	S/N
Evaluator Board	Silex Technology America, Inc.	SX-560-6900	NA
Power Supply	Condor	HK-CH13-A05	NA
802.11 a/b/g Wireless Access Point	3-Com	WL-526	NA
Laptop	Sony	PCG-982L	8323330
Serial Server	Silex Technology America, Inc.	SX-560	SL004545

Test Conditions / Notes:

The EUT and support evaluation board are placed on the wooden table lined with a Styrofoam surface of 5 cm thickness. The EUT seeking modular approval is extended beyond the perimeter of the evaluation board via an extender card.

The support laptop sends data to the EUT via a support WiFi hub, the EUT receives processes and returns the data to the support computer via a support wireless hub.

Serial port of the support evaluation board is connected to the support laptop via a serial cable and all other ports are left unpopulated.

Freq: 2.412- 2462MHz

Tx Frequency: 2412 MHz, 2437MHz, 2462MHz

Modulation: 802.11 b (11 Mbps),

Ch 1, 6, 11

Firmware Power setting: 16,16, 18

Power= 15.5dBm (0.0355W), 15.6dBm (0.0363W), 16.6dBm (0.0457W)

Modulation: 802.11 g (54Mpbs)

Ch 1, 6, 11

Firmware Power setting: 16, 18, 13

Power = 15.6 dBm(0.0363 W), 17.5 dBm(0.0562 W), 12.6 dBm(0.0182 W)

Antenna Manufacturer: Ethertronics Antenna Gain:: 2.5dBi @2.5GHz Antenna Gain:: 3.5dBi @5.0GHz

Transmit via Antenna #1

13°C, 58% Relative Humidity

Emission profile of the EUT and antennas rotated along the three orthogonal axis was investigated.

Frequency range of measurement = 9 kHz- 25 GHz.

Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz- 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz- 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz- 26000 MHz RBW=1 MHz, VBW=1 MHz

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Transducer Legend:

T1=Bico AN00306_102211 T2=
T3=Cable #10 ANP05050 041611 T4=
T5=Pre_amp_HP8447D-AN00309-050210 T6=
T7=HF_pre AMP-1-26GHz_AN00786-072810.TRN T8=
T9=Horn Ant AN00849 060610 T10

T2=Log AN00300_102211 T4=Cable #15_05198_ Site A, 010511 T6=Heliax Cable 54' ANP05565 090410 T8=Hi Freq_40GHz_2ft-AN02948-092111 T10=HPF_3GHz-AN02744-032510

Measu	rement Data:	Re	eading lis	ted by ma	ırgin.	Test Distance: 3 Meters					
#	Freq	Rdng	T1	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
			T5	T6	T7	T8					
			T9	T10							
	MHz	dΒμV	dB	dB	dB	dB	Table	$dB\mu V/m$	$dB\mu V/m$	dB	Ant
1	4873.833M	49.8	+0.0	+0.0	+0.0	+0.0	+0.0	53.6	54.0	-0.4	Horiz
	Ave		+0.0	+5.9	-36.8	+0.7			Z_802.11b		
			+33.4	+0.6							
٨	4873.833M	61.4	+0.0	+0.0	+0.0	+0.0	+0.0	65.2	54.0	+11.2	Horiz
			+0.0	+5.9	-36.8	+0.7			Z_802.11b		
			+33.4	+0.6							
3	4823.917M	50.0	+0.0	+0.0	+0.0	+0.0	+0.0	53.6	54.0	-0.4	Horiz
	Ave		+0.0	+5.8	-36.8	+0.7			X_802.11b		
			+33.3	+0.6							
٨	4824.000M	61.7	+0.0	+0.0	+0.0	+0.0	+0.0	65.3	54.0	+11.3	Horiz
			+0.0	+5.8	-36.8	+0.7			Z_802.11b_	_power	
			+33.3	+0.6					16		
٨	4823.917M	61.6	+0.0	+0.0	+0.0	+0.0	+0.0	65.2	54.0	+11.2	Horiz
			+0.0	+5.8	-36.8	+0.7			X_802.11b		
			+33.3	+0.6							
6	4924.000M	49.7	+0.0	+0.0	+0.0	+0.0	+0.0	53.6	54.0	-0.4	Horiz
	Ave		+0.0	+5.9	-36.7	+0.7			X_802.11b		
			+33.5	+0.5							
٨	4924.000M	61.1	+0.0	+0.0	+0.0	+0.0	+0.0	65.0	54.0	+11.0	Horiz
			+0.0	+5.9	-36.7	+0.7			X_802.11b		
			+33.5	+0.5							
٨	4924.000M	57.9	+0.0	+0.0	+0.0	+0.0	+0.0	61.8	54.0	+7.8	Horiz
			+0.0	+5.9	-36.7	+0.7			Z_802.11b		
			+33.5	+0.5							
٨	4924.000M	55.6	+0.0	+0.0	+0.0	+0.0	+0.0	59.5	54.0	+5.5	Horiz
			+0.0	+5.9	-36.7	+0.7			Y_802.11b		
			+33.5	+0.5							
10	4824.000M	49.8	+0.0	+0.0	+0.0	+0.0	+0.0	53.4	54.0	-0.6	Horiz
	Ave		+0.0	+5.8	-36.8	+0.7			Z_802.11b_	_power	
			+33.3	+0.6					16		
11	4874.000M	49.4	+0.0	+0.0	+0.0	+0.0	+0.0	53.2	54.0	-0.8	Vert
	Ave		+0.0	+5.9	-36.8	+0.7			Y_802.11b		
			+33.4	+0.6							
12	4874.083M	49.4	+0.0	+0.0	+0.0	+0.0	+0.0	53.2	54.0	-0.8	Horiz
	Ave		+0.0	+5.9	-36.8	+0.7			X-802.11b_	power	
			+33.4	+0.6					16		
٨	4874.083M	60.5	+0.0	+0.0	+0.0	+0.0	+0.0	64.3	54.0	+10.3	Horiz
			+0.0	+5.9	-36.8	+0.7			X-802.11b_	_power	
			+33.4	+0.6					16	-	
										-r - ···	



^ 4874.000M	54.7	+0.0 +0.0	+0.0 +5.9	+0.0	+0.0 +0.7	+0.0	58.5	54.0 Z_802.11g	+4.5	Horiz
		+33.4	+0.6							
15 2483.500M	58.5	+0.0	+0.0	+0.0	+0.0	+0.0	53.1	54.0	-0.9	Vert
Ave		+0.0	+3.8	-37.9	+0.5			Y_Bandedge	_high_	
		+28.2	+0.0					worse case		
^ 2483.500M	73.5	+0.0	+0.0	+0.0	+0.0	+0.0	68.1	54.0	+14.1	Vert
		+0.0	+3.8	-37.9	+0.5			Y_Bandedge	_high_	
		+28.2	+0.0					worse case		
17 4823.833M	48.4	+0.0	+0.0	+0.0	+0.0	+0.0	52.0	54.0	-2.0	Vert
Ave		+0.0	+5.8	-36.8	+0.7			Y_802.11b		
		+33.3	+0.6							
^ 4823.833M	60.4	+0.0	+0.0	+0.0	+0.0	+0.0	64.0	54.0	+10.0	Vert
		+0.0	+5.8	-36.8	+0.7			Y_802.11b		
		+33.3	+0.6							
19 4824.000M	47.8	+0.0	+0.0	+0.0	+0.0	+0.0	51.4	54.0	-2.6	Vert
Ave		+0.0	+5.8	-36.8	+0.7			Z_802.11b		
		+33.3	+0.6							
20 9648.000M	40.2	+0.0	+0.0	+0.0	+0.0	+0.0	51.1	54.0	-2.9	Horiz
Ave		+0.0	+8.4	-36.5	+1.0			Y_802.11b		
		+37.6	+0.4							
^ 9648.000M	45.9	+0.0	+0.0	+0.0	+0.0	+0.0	56.8	54.0	+2.8	Horiz
		+0.0	+8.4	-36.5	+1.0			Y_802.11b		
		+37.6	+0.4							
22 9648.116M	39.3	+0.0	+0.0	+0.0	+0.0	+0.0	50.2	54.0	-3.8	Vert
Ave		+0.0	+8.4	-36.5	+1.0			Y_802.11b		
1 0540 44 67 5	44.0	+37.6	+0.4	0.0	0.0	0.0		7.1.0		**
^ 9648.116M	44.8	+0.0	+0.0	+0.0	+0.0	+0.0	55.7	54.0	+1.7	Vert
		+0.0	+8.4	-36.5	+1.0			Y_802.11b		
24 4024 00014	46.0	+37.6	+0.4	. 0. 0	. 0. 0	. 0. 0	40.0	540	4.1	TT .
24 4924.000M	46.0	+0.0	+0.0	+0.0	+0.0	+0.0	49.9	54.0	-4.1	Horiz
Ave		+0.0	+5.9	-36.7	+0.7			Z_802.11b		
25 0740 00014	20.1	+33.5	+0.5	. 0. 0	. 0. 0	. 0. 0	40.0	540	4.1	TT
25 9748.000M	39.1	+0.0	+0.0	+0.0	+0.0	+0.0	49.9	54.0	-4.1	Horiz
Ave		+0.0	+8.4	-36.6	+1.0			Y_802.11b		
^ 9748.000M	45 O	+37.7	+0.3	+0.0	+0.0	+0.0	55 0	54.0	+1.0	Uori-
~ 9/48.000IVI	45.0	+0.0	+0.0			+0.0	55.8		+1.8	Horiz
		$+0.0 \\ +37.7$	+8.4 +0.3	-36.6	+1.0			Y_802.11b		
27 4873.833M	46.1	+0.0	+0.5	100	ΙΩΩ	+0.0	49.9	54.0	-4.1	Vert
	40.1	+0.0	+0.0 +5.9	+0.0 -36.8	$+0.0 \\ +0.7$	+0.0	49.9	34.0 Z_802.11b	-4.1	ven
Ave		+33.4	+0.6	-50.0	±0.7			∠_002.110		
28 4822 82214	46.3	+0.0	+0.0	+0.0	+0.0	ι Ο Ο	49.9	54.0	-4.1	Horiz
28 4822.833M	40.3	+0.0		+0.0 -36.8	+0.0	+0.0	49.9	34.0 X-802.11g	-4.1	HOHZ
Ave		+33.3	+5.8 +0.6	-50.0	±0.7			A-002.11g		
^ 4822.833M	57.0	+0.0	+0.0	+0.0	+0.0	+0.0	60.6	54.0	+6.6	Horiz
+022.033WI	37.0	+0.0	+5.8	-36.8	+0.0	±0.0	00.0	X-802.11g	+0.0	110112
		+33.3	+0.6	-50.6	⊤0.7			A-002.11g		
		⊤ <i>JJ</i> .J	±0.0							



30 4923.500M	45.9	+0.0	+0.0	+0.0	+0.0	+0.0	49.8		-4.2	Vert
Ave		+0.0	+5.9	-36.7	+0.7			Y_802.11b		
		+33.5	+0.5							
^ 4923.500M	57.0	+0.0	+0.0	+0.0	+0.0	+0.0	60.9	54.0	+6.9	Vert
		+0.0	+5.9	-36.7	+0.7			Y_802.11b		
		+33.5	+0.5							
32 4820.667M	46.2	+0.0	+0.0	+0.0	+0.0	+0.0	49.8	54.0	-4.2	Horiz
Ave		+0.0	+5.8	-36.8	+0.7			Z_802.11g		
		+33.3	+0.6							
^ 4820.667M	59.1	+0.0	+0.0	+0.0	+0.0	+0.0	62.7	54.0	+8.7	Horiz
		+0.0	+5.8	-36.8	+0.7			Z_802.11g		
		+33.3	+0.6							
34 9848.067M	38.8	+0.0	+0.0	+0.0	+0.0	+0.0	49.6	54.0	-4.4	Vert
		+0.0	+8.4	-36.7	+1.0			Y_802.11b		
2. 0		+37.8	+0.3							
35 800.000M	40.4	+0.0	+22.5	+0.4	+5.3	+0.0	41.4	46.0	-4.6	Vert
QP		-27.2	+0.0	+0.0	+0.0					
		+0.0	+0.0							
^ 800.000M	42.3	+0.0	+22.5	+0.4	+5.3	+0.0	43.3	46.0	-2.7	Vert
		-27.2	+0.0	+0.0	+0.0					
. =		+0.0	+0.0							
^ 799.998M	37.6	+0.0	+22.5	+0.4	+5.3	+0.0	38.6	46.0	-7.4	Vert
		-27.2	+0.0	+0.0	+0.0					
4 700 00216	27.1	+0.0	+0.0			0.0	20.1	450		**
^ 799.993M	37.1	+0.0	+22.5	+0.4	+5.3	+0.0	38.1	46.0	-7.9	Vert
		-27.2	+0.0	+0.0	+0.0					
20 000 000 4	40.4	+0.0	+0.0	. 0. 4	. 5.2	. 0. 0	41.4	46.0	1.6	
39 800.000M	40.4	+0.0	+22.5	+0.4	+5.3	+0.0	41.4	46.0	-4.6	Horiz
QP		-27.2	+0.0	+0.0	+0.0					
^ 800.000M	42.4	+0.0	+0.0	+0.4	+5.3	+0.0	43.4	46.0	2.6	II.a.i.
^ 800.000M	42.4	+0.0 -27.2	$+22.5 \\ +0.0$	+0.4		+0.0	43.4	46.0	-2.6	Horiz
				+0.0	+0.0					
^ 800.000M	42.1	+0.0	+0.0	+0.4	+5.3	+0.0	43.1	46.0	-2.9	Horiz
. 900.000141	42.1	+0.0 -27.2	+22.5	+0.4 +0.0	+5.5 +0.0	+0.0	43.1	40.0	-2.9	попх
		+0.0	+0.0	+0.0	+0.0					
42 9843.250M	38.6	+0.0	+0.0	+0.0	+0.0	+0.0	49.3	54.0	-4.7	Vert
+2 7043.230W	30.0	+0.0	+8.4	-36.7	+0.0	±0.0	77.3	Y_802.11g	-+./	v CI t
		+37.7	+0.3	-30.7	11.0			1_002.11g		
43 9748.700M	38.3	+0.0	+0.0	+0.0	+0.0	+0.0	49.1	54.0	-4.9	Vert
+5 9140.700IVI	30.3	+0.0	+8.4	-36.6	+0.0	±0.0	+ 7.1	Y_802.11g	-+.7	v CI t
		+37.7	+0.3	20.0	11.0			1_002.11g		
44 259.020M	46.1	+19.5	+0.0	+0.3	+2.8	+0.0	41.0	46.0	-5.0	Horiz
77 237.020IVI	70.1	-27.7	+0.0	+0.0	+0.0	10.0	71.0	70.0	5.0	110112
		+0.0	+0.0	10.0	10.0					
		10.0	10.0							



	##0 0003 f		0.0	10.4			0.0	44.0	45.0	7 0	** '
45	550.000M	45.5	+0.0	+18.4	+0.4	+4.3	+0.0	41.0	46.0	-5.0	Horiz
	QP		-27.6	+0.0	+0.0	+0.0					
٨	550 000M	167	+0.0	+0.0	ı O 4	+4.3	. 0. 0	42.2	46.0	2.0	II a al-
,,	550.000M	46.7	+0.0 -27.6	$+18.4 \\ +0.0$	$+0.4 \\ +0.0$	+4.3 +0.0	+0.0	42.2	46.0	-3.8	Horiz
			+0.0	+0.0	+0.0	+0.0					
٨	550.000M	46.7	+0.0	+18.4	+0.4	+4.3	+0.0	42.2	46.0	-3.8	Horiz
	330.000M	40.7	+0.0 -27.6	+18.4 +0.0	+0.4	+4.5 $+0.0$	+0.0	42.2	40.0	-3.8	попх
			+0.0	+0.0	+0.0	+0.0					
10	4924.417M	45.1	+0.0	+0.0	+0.0	+0.0	+0.0	49.0	54.0	-5.0	Vert
	Ave	43.1	+0.0 +0.0	+5.9	-36.7	+0.0	+0.0	49.0	Y_802.11g	-5.0	VEIL
	Ave		+33.5	+0.5	-30.7	10.7			1_002.11g		
٨	4924.417M	57.1	+0.0	+0.0	+0.0	+0.0	+0.0	61.0	54.0	+7.0	Vert
	4924.41/IVI	37.1	+0.0	+5.9	-36.7	+0.7	+0.0	01.0	Y_802.11g	±7.0	VCIT
			+33.5	+0.5	30.7	10.7			1_002.115		
50	4924.000M	44.8	+0.0	+0.0	+0.0	+0.0	+0.0	48.7	54.0	-5.3	Vert
	Ave	44.0	+0.0	+5.9	-36.7	+0.7	10.0	40.7	Z_802.11b	3.3	VCIT
	1110		+33.5	+0.5	30.7	10.7			2_002.110		
51	800.000M	39.6	+0.0	+22.5	+0.4	+5.3	+0.0	40.6	46.0	-5.4	Horiz
	QP	37.0	-27.2	+0.0	+0.0	+0.0	10.0	10.0	10.0	5.1	HOHE
	C -		+0.0	+0.0							
52	7228.800M	41.5	+0.0	+0.0	+0.0	+0.0	+0.0	48.4	54.0	-5.6	Vert
0_	,0,0001,1		+0.0	+6.7	-36.5	+0.8	. 0.0		Y_802.11g	0.0	, 010
			+35.6	+0.3					8		
53	7386.000M	40.9	+0.0	+0.0	+0.0	+0.0	+0.0	48.3	54.0	-5.7	Horiz
			+0.0	+6.8	-36.4	+0.8			Y_802.11b		
			+35.9	+0.3					_		
54	550.017M	44.8	+0.0	+18.4	+0.4	+4.3	+0.0	40.3	46.0	-5.7	Vert
	QP		-27.6	+0.0	+0.0	+0.0					
			+0.0	+0.0							
٨	550.017M	49.4	+0.0	+18.4	+0.4	+4.3	+0.0	44.9	46.0	-1.1	Vert
			-27.6	+0.0	+0.0	+0.0					
			+0.0	+0.0							
٨	549.993M	43.4	+0.0	+18.4	+0.4	+4.3	+0.0	38.9	46.0	-7.1	Vert
			-27.6	+0.0	+0.0	+0.0					
			+0.0	+0.0							
٨	550.000M	40.9	+0.0	+18.4	+0.4	+4.3	+0.0	36.4	46.0	-9.6	Vert
			-27.6	+0.0	+0.0	+0.0					
			+0.0	+0.0							
	4924.500M	44.4	+0.0	+0.0	+0.0	+0.0	+0.0	48.3	54.0	-5.7	Horiz
	Ave		+0.0	+5.9	-36.7	+0.7			X-802.11g		
			+33.5	+0.5							
٨	4924.500M	57.1	+0.0	+0.0	+0.0	+0.0	+0.0	61.0	54.0	+7.0	Horiz
			+0.0	+5.9	-36.7	+0.7			X-802.11g		
			+33.5	+0.5							
٨	4924.417M	52.1	+0.0	+0.0	+0.0	+0.0	+0.0	56.0	54.0	+2.0	Horiz
			+0.0	+5.9	-36.7	+0.7			Y_802.11g		
			+33.5	+0.5							



61 749.997M	38.3	+0.0	+23.0	+0.4	+5.1	+0.0	39.8	46.0	-6.2	Vert
		-27.0	+0.0	+0.0	+0.0					
		+0.0	+0.0							
62 4870.667M	44.1	+0.0	+0.0	+0.0	+0.0	+0.0	47.8	54.0	-6.2	Vert
Ave		+0.0	+5.8	-36.8	+0.7			Y_802.11g		
		+33.4	+0.6							
^ 4870.667M	57.0	+0.0	+0.0	+0.0	+0.0	+0.0	60.7	54.0	+6.7	Vert
		+0.0	+5.8	-36.8	+0.7			Y_802.11g		
		+33.4	+0.6							
64 4924.000M	43.7	+0.0	+0.0	+0.0	+0.0	+0.0	47.6	54.0	-6.4	Horiz
Ave		+0.0	+5.9	-36.7	+0.7			Y_802.11b		
		+33.5	+0.5							
65 7310.750M	40.3	+0.0	+0.0	+0.0	+0.0	+0.0	47.5	54.0	-6.5	Vert
		+0.0	+6.7	-36.4	+0.8			Z_802.11b		
		+35.8	+0.3							
66 7237.333M	40.6	+0.0	+0.0	+0.0	+0.0	+0.0	47.5	54.0	-6.5	Vert
		+0.0	+6.7	-36.5	+0.8			Y_802.11b		
		+35.6	+0.3							
67 62.267M	51.4	+8.7	+0.0	+0.1	+1.2	+0.0	33.4	40.0	-6.6	Vert
		-28.0	+0.0	+0.0	+0.0					
		+0.0	+0.0							
68 550.000M	43.7	+0.0	+18.4	+0.4	+4.3	+0.0	39.2	46.0	-6.8	Horiz
QP		-27.6	+0.0	+0.0	+0.0					
		+0.0	+0.0							
69 4874.000M	43.4	+0.0	+0.0	+0.0	+0.0	+0.0	47.2	54.0	-6.8	Horiz
Ave		+0.0	+5.9	-36.8	+0.7			Z_802.11g		
		+33.4	+0.6							
^ 4873.967M	53.6	+0.0	+0.0	+0.0	+0.0	+0.0	57.4	54.0	+3.4	Horiz
		+0.0	+5.9	-36.8	+0.7			Y_802.11b		
		+33.4	+0.6					_		
71 325.067M	42.8	+0.0	+20.7	+0.3	+3.2	+0.0	39.2	46.0	-6.8	Vert
		-27.8	+0.0	+0.0	+0.0					
		+0.0	+0.0							
72 7386.067M	39.7	+0.0	+0.0	+0.0	+0.0	+0.0	47.1	54.0	-6.9	Vert
		+0.0	+6.8	-36.4	+0.8			Y_802.11b		
		+35.9	+0.3					_		
73 7310.650M	39.9	+0.0	+0.0	+0.0	+0.0	+0.0	47.1	54.0	-6.9	Vert
- · · · · · ·		+0.0	+6.7	-36.4	+0.8			X_802.11b		
		+35.8	+0.3							
74 4824.300M	43.4	+0.0	+0.0	+0.0	+0.0	+0.0	47.0	54.0	-7.0	Vert
Ave		+0.0	+5.8	-36.8	+0.7			Y_802.11g	. ••	
		+33.3	+0.6					_======		
^ 4824.300M	57.0	+0.0	+0.0	+0.0	+0.0	+0.0	60.6	54.0	+6.6	Vert
.021.00071	27.0	+0.0	+5.8	-36.8	+0.7	. 0.0	50.0	Y_802.11g	. 3.0	. 011
		+33.3	+0.6	20.0	. 0.,					
76 7311.000M	39.8	+0.0	+0.0	+0.0	+0.0	+0.0	47.0	54.0	-7.0	Vert
, 5 , 511.000141	27.0	+0.0	+6.7	-36.4	+0.8	10.0	. 7.0	Y_802.11b	,.0	, 011
		+35.8	+0.3	20.1	. 0.0			1_002.110		
		100.0	10.5							



77 7286.300M	39.8	+0.0	+0.0	+0.0	+0.0	+0.0	46.9	54.0	-7.1	Horiz
		+0.0	+6.7	-36.4	+0.8			Y_802.11g		
		+35.7	+0.3							
78 900.030M	35.8	+0.0	+23.8	+0.7	+5.7	+0.0	38.8	46.0	-7.2	Vert
		-27.2	+0.0	+0.0	+0.0					
		+0.0	+0.0							
79 4873.917M	42.7	+0.0	+0.0	+0.0	+0.0	+0.0	46.5	54.0	-7.5	Vert
Ave		+0.0	+5.9	-36.8	+0.7			X_802.11b		
		+33.4	+0.6							
^ 4874.000M	61.2	+0.0	+0.0	+0.0	+0.0	+0.0	65.0	54.0	+11.0	Vert
		+0.0	+5.9	-36.8	+0.7			Y_802.11b		
		+33.4	+0.6							
^ 4873.833M	57.9	+0.0	+0.0	+0.0	+0.0	+0.0	61.7	54.0	+7.7	Vert
		+0.0	+5.9	-36.8	+0.7			Z_802.11b		
		+33.4	+0.6							
^ 4873.917M	54.8	+0.0	+0.0	+0.0	+0.0	+0.0	58.6	54.0	+4.6	Vert
		+0.0	+5.9	-36.8	+0.7			X_802.11b		
		+33.4	+0.6							
^ 4874.000M	52.2	+0.0	+0.0	+0.0	+0.0	+0.0	56.0	54.0	+2.0	Vert
		+0.0	+5.9	-36.8	+0.7			Z_802.11g		
		+33.4	+0.6							
84 9843.080M	35.7	+0.0	+0.0	+0.0	+0.0	+0.0	46.4	54.0	-7.6	Horiz
		+0.0	+8.4	-36.7	+1.0			Y_802.11g		
		+37.7	+0.3							
85 4923.817M	42.5	+0.0	+0.0	+0.0	+0.0	+0.0	46.4	54.0	-7.6	Horiz
Ave		+0.0	+5.9	-36.7	+0.7			Z_802.11g		
		+33.5	+0.5					_		
^ 4923.817M	53.5	+0.0	+0.0	+0.0	+0.0	+0.0	57.4	54.0	+3.4	Horiz
		+0.0	+5.9	-36.7	+0.7			Z_802.11g		
		+33.5	+0.5							
87 7236.000M	39.4	+0.0	+0.0	+0.0	+0.0	+0.0	46.3	54.0	-7.7	Horiz
		+0.0	+6.7	-36.5	+0.8			Y_802.11b		
		+35.6	+0.3							
88 4870.333M	42.6	+0.0	+0.0	+0.0	+0.0	+0.0	46.3	54.0	-7.7	Horiz
Ave		+0.0	+5.8	-36.8	+0.7			X-802.11g		
		+33.4	+0.6							
^ 4870.333M	57.3	+0.0	+0.0	+0.0	+0.0	+0.0	61.0	54.0	+7.0	Horiz
		+0.0	+5.8	-36.8	+0.7			X-802.11g		
		+33.4	+0.6					S		
90 7383.670M	38.9	+0.0	+0.0	+0.0	+0.0	+0.0	46.3	54.0	-7.7	Horiz
		+0.0	+6.8	-36.4	+0.8			Y_802.11g		_
		+35.9	+0.3					_ 8		
91 224.991M	45.4	+17.9	+0.0	+0.3	+2.6	+0.0	38.3	46.0	-7.7	Vert
		-27.9	+0.0	+0.0	+0.0					
		+0.0	+0.0							
92 255.015M	43.9	+19.0	+0.0	+0.3	+2.8	+0.0	38.3	46.0	-7.7	Horiz
, = 200.0101.1	,	-27.7	+0.0	+0.0	+0.0	. 0.0	20.2	. 5.0	,	
		+0.0	+0.0							
		. 0.0	. 0.0							



93 4823.667M	42.5	+0.0	+0.0	+0.0	+0.0	+0.0	46.1		-7.9	Horiz
Ave		+0.0	+5.8	-36.8	+0.7			Y_802.11b		
		+33.3	+0.6							
^ 4823.667M	54.3	+0.0	+0.0	+0.0	+0.0	+0.0	57.9	54.0	+3.9	Horiz
		+0.0	+5.8	-36.8	+0.7			Y_802.11b		
		+33.3	+0.6							
95 450.017M	45.1	+0.0	+16.6	+0.3	+3.8	+0.0	38.0	46.0	-8.0	Vert
		-27.8	+0.0	+0.0	+0.0					
		+0.0	+0.0							
96 399.990M	45.9	+0.0	+15.7	+0.4	+3.6	+0.0	37.8	46.0	-8.2	Vert
QP		-27.8	+0.0	+0.0	+0.0					
		+0.0	+0.0							
^ 399.990M	48.4	+0.0	+15.7	+0.4	+3.6	+0.0	40.3	46.0	-5.7	Vert
		-27.8	+0.0	+0.0	+0.0					
		+0.0	+0.0							
98 4873.967M	41.7	+0.0	+0.0	+0.0	+0.0	+0.0	45.5	54.0	-8.5	Horiz
Ave		+0.0	+5.9	-36.8	+0.7			Y_802.11b		
		+33.4	+0.6					_		
99 4924.000M	41.5	+0.0	+0.0	+0.0	+0.0	+0.0	45.4	54.0	-8.6	Vert
Ave		+0.0	+5.9	-36.7	+0.7			X_802.11b		
		+33.5	+0.5							
100 4823.983M	41.5	+0.0	+0.0	+0.0	+0.0	+0.0	45.1	54.0	-8.9	Vert
Ave		+0.0	+5.8	-36.8	+0.7	. 0.0		X_802.11b	0.5	, 510
		+33.3	+0.6							
^ 4824.000M	59.7	+0.0	+0.0	+0.0	+0.0	+0.0	63.3	54.0	+9.3	Vert
.020001.1	0,.,	+0.0	+5.8	-36.8	+0.7		00.0	Z_802.11b	. ,	, 510
		+33.3	+0.6	20.0				<u></u>		
^ 4823.983M	53.3	+0.0	+0.0	+0.0	+0.0	+0.0	56.9	54.0	+2.9	Vert
1023.903111	00.0	+0.0	+5.8	-36.8	+0.7	10.0	50.5	X_802.11b	. 2.0	V 011
		+33.3	+0.6	20.0				11_002.110		
103 247.000M	43.3	+18.4	+0.0	+0.3	+2.8	+0.0	37.1	46.0	-8.9	Horiz
2.77000171		-27.7	+0.0	+0.0	+0.0	. 0.0	07.12	.0.0	0.7	110112
		+0.0	+0.0	. 0.0	. 0.0					
104 475.917M	43.4	+0.0	+17.0	+0.4	+4.0	+0.0	37.0	46.0	-9.0	Vert
101 1/3.51/101	13.1	-27.8	+0.0	+0.0	+0.0	10.0	37.0	10.0	7.0	VOIT
		+0.0	+0.0	10.0	10.0					
105 500.000M	42.8	+0.0	+17.4	+0.4	+4.1	+0.0	36.9	46.0	-9.1	Vert
103 300.00011	12.0	-27.8	+0.0	+0.0	+0.0	10.0	30.7	10.0	<i>7</i> .1	VOIT
		+0.0	+0.0	10.0	10.0					
106 247.033M	42.5	+18.4	+0.0	+0.3	+2.8	+0.0	36.3	46.0	-9.7	Horiz
100 247.033WI	72.3	-27.7	+0.0	+0.0	+0.0	10.0	30.3	40.0	-7.1	HOHZ
		+0.0	+0.0	10.0	10.0					
107 4874.000M	40.3	+0.0	+0.0	+0.0	+0.0	+0.0	44.1	54.0	-9.9	Vert
Ave	TU.J	+0.0	+5.9	-36.8	+0.7	10.0	→→ .1	Z_802.11g	2.2	v C11
1110		+33.4	+0.6	20.0	10.7			2_002.11g		
108 700.017M	34.4	+0.0	+23.5	+0.5	+4.9	+0.0	36.0	46.0	-10.0	Vert
100 /00.01/WI	34.4	+0.0 -27.3	+23.3	+0.5	+4.9	+0.0	50.0	40.0	-10.0	v ert
				+0.0	+0.0					
		+0.0	+0.0							



109 230.980M	42.6	+18.1	+0.0	+0.3	+2.6	+0.0	35.7	46.0	-10.3	Vert
		-27.9	+0.0	+0.0	+0.0					
		+0.0	+0.0							
110 4820.667M	40.0	+0.0	+0.0	+0.0	+0.0	+0.0	43.6	54.0	-10.4	Vert
Ave		+0.0	+5.8	-36.8	+0.7			Z_802.11g		
		+33.3	+0.6							
^ 4820.667M	52.3	+0.0	+0.0	+0.0	+0.0	+0.0	55.9	54.0	+1.9	Vert
		+0.0	+5.8	-36.8	+0.7			Z_802.11g		
		+33.3	+0.6							
112 239.975M	42.0	+18.3	+0.0	+0.3	+2.7	+0.0	35.5	46.0	-10.5	Vert
		-27.8	+0.0	+0.0	+0.0					
		+0.0	+0.0							
113 227.030M	42.5	+18.0	+0.0	+0.3	+2.6	+0.0	35.5	46.0	-10.5	Vert
		-27.9	+0.0	+0.0	+0.0					
		+0.0	+0.0							
114 246.967M	41.7	+18.4	+0.0	+0.3	+2.8	+0.0	35.5	46.0	-10.5	Horiz
		-27.7	+0.0	+0.0	+0.0					
	•••	+0.0	+0.0							
115 4924.417M	39.4	+0.0	+0.0	+0.0	+0.0	+0.0	43.3	54.0	-10.7	Horiz
Ave		+0.0	+5.9	-36.7	+0.7			Y_802.11g		
116 710 00016	22.1	+33.5	+0.5	0.4		0.0	24.6	450		**
116 749.983M	33.1	+0.0	+23.0	+0.4	+5.1	+0.0	34.6	46.0	-11.4	Vert
		-27.0	+0.0	+0.0	+0.0					
117 4001 5001 5	20.0	+0.0	+0.0	0.0	0.0	0.0	10.6	540	11.4	TT .
117 4821.500M	39.0	+0.0	+0.0	+0.0	+0.0	+0.0	42.6	54.0	-11.4	Horiz
Ave		+0.0	+5.8	-36.8	+0.7			Y_802.11g		
A 4001 700M	40.2	+33.3	+0.6	. 0. 0	. 0. 0	. 0. 0	52.0	740	1 1	
^ 4821.500M	49.3	+0.0	+0.0	+0.0	+0.0	+0.0	52.9	54.0 V 902.11 ~	-1.1	Horiz
		+0.0	+5.8	-36.8	+0.7			Y_802.11g		
119 7385.633M	35.0	+33.3	+0.6	+0.0	+0.0	+0.0	42.4	54.0	-11.6	Homin
Ave	33.0	$+0.0 \\ +0.0$	+0.0 +6.8	+0.0 -36.4	+0.0 +0.8	+0.0	42.4		-11.0	Horiz
Ave		+35.9	+0.3	-30.4	+0.8			Z_802.11g		
^ 7385.633M	47.3	+0.0	+0.0	+0.0	+0.0	+0.0	54.7	54.0	+0.7	Horiz
/303.033WI	47.3	+0.0 +0.0	+6.8	+0.0 -36.4	+0.0	+0.0	34.7	Z_802.11g	+0.7	попи
		+35.9	+0.8	-30.4	±0.6			∠_002.11g		
121 425.107M	42.0	+0.0	+16.2	+0.3	+3.7	+0.0	34.4	46.0	-11.6	Vert
121 723.10/WI	7∠.∪	-27.8	+10.2	+0.0	+0.0	10.0	J 4. 4	- 0.0	-11.0	v CI t
		+0.0	+0.0	10.0	10.0					
122 4923.817M	38.4	+0.0	+0.0	+0.0	+0.0	+0.0	42.3	54.0	-11.7	Vert
Ave	50.4	+0.0 +0.0	+5.9	-36.7	+0.0	10.0	74.3	Z_802.11g	-11./	v CI t
1110		+33.5	+0.5	50.7	10.7			2_002.11g		
^ 4923.817M	49.9	+0.0	+0.0	+0.0	+0.0	+0.0	53.8	54.0	-0.2	Vert
7/23.01/W	サノ・ノ	+0.0	+5.9	-36.7	+0.7	10.0	23.0	Z_802.11g	0.2	v 011
		+33.5	+0.5	50.7	10.7			2_002.11g		
		±33.3	±0.5							



104	7211 0001	25.0	0.0	0.0	0.0	0.0	0.0	12.2	540	11.0	TT .
124	7311.000M	35.0	+0.0	+0.0	+0.0	+0.0	+0.0	42.2	54.0	-11.8	Horiz
	Ave		+0.0	+6.7	-36.4	+0.8			Z_802.11g		
	7211 00014	46.2	+35.8	+0.3	. 0. 0	. 0. 0	. 0. 0	52.5	540	0.5	TT'
	7311.000M	46.3	$+0.0 \\ +0.0$	+0.0	+0.0	+0.0	+0.0	53.5	54.0	-0.5	Horiz
				+6.7	-36.4	+0.8			Z_802.11g		
126	C51 792N	24.5	+35.8	+0.3	.0.5	. 17	. 0. 0	24.1	46.0	11.0	X I
126	651.783M	34.5	+0.0	+21.6	+0.5	+4.7	+0.0	34.1	46.0	-11.9	Vert
			-27.2	+0.0	+0.0	+0.0					
107	222 02014	40.0	+0.0	+0.0	.0.2	. 2.7	. 0. 0	24.1	46.0	11.0	X I
127	233.020M	40.8	+18.1	+0.0	+0.3	+2.7	+0.0	34.1	46.0	-11.9	Vert
			-27.8	+0.0	+0.0	+0.0					
120	(00 002) (22.4	+0.0	+0.0	.0.5	. 1.0	. 0. 0	24.0	46.0	12.0	X I
128	699.983M	32.4	+0.0	+23.5	+0.5	+4.9	+0.0	34.0	46.0	-12.0	Vert
			-27.3	+0.0	+0.0	+0.0					
120	7307.000M	34.8	+0.0	+0.0	+0.0	+0.0	+0.0	41.9	54.0	-12.1	Vert
129	/30/.000M Ave	34.8	+0.0	+0.0 +6.7	+0.0 -36.4	+0.0 +0.8	+0.0	41.9	54.0 Y_802.11g	-12.1	vert
	Ave		+35.7	+0.7	-30.4	+0.8			1_602.11g		
	7307.000M	49.2	+0.0	+0.5	+0.0	+0.0	+0.0	56.3	54.0	+2.3	Vert
	/30/.000WI	49.2	+0.0	+6.7	-36.4	+0.0	+0.0	30.3	Y_802.11g	+2.3	veit
			+35.7	+0.7	-30.4	+0.6			1_602.11g		
131	7383.833M	34.5	+0.0	+0.0	+0.0	+0.0	+0.0	41.9	54.0	-12.1	Vert
131	Ave	34.3	+0.0 +0.0	+6.8	-36.4	+0.8	+0.0	41.7	Y_802.11g	-12.1	VEIL
	Avc		+35.9	+0.3	-30.4	10.0			1_002.11g		
^	7383.833M	46.9	+0.0	+0.0	+0.0	+0.0	+0.0	54.3	54.0	+0.3	Vert
	7303.033IVI	70.7	+0.0	+6.8	-36.4	+0.8	10.0	37.3	Y_802.11g	10.5	VCIT
			+35.9	+0.3	30.4	10.0			1_002.11g		
133	4872.833M	38.2	+0.0	+0.0	+0.0	+0.0	+0.0	41.9	54.0	-12.1	Vert
133	Ave	30.2	+0.0	+5.8	-36.8	+0.7	10.0	71.7	X-802.11g	12.1	VCIt
	1110		+33.4	+0.6	20.0	10.7			11 002.115		
^	4872.833M	50.2	+0.0	+0.0	+0.0	+0.0	+0.0	53.9	54.0	-0.1	Vert
	1072.033111	30.2	+0.0	+5.8	-36.8	+0.7	10.0	55.7	X-802.11g	0.1	V 011
			+33.4	+0.6	23.0	. 3.7			002.118		
135	4820.417M	38.2	+0.0	+0.0	+0.0	+0.0	+0.0	41.8	54.0	-12.2	Vert
133	Ave	20.2	+0.0	+5.8	-36.8	+0.7	. 0.0	.1.0	X-802.11g		. 011
			+33.3	+0.6					8		
۸	4820.417M	51.3	+0.0	+0.0	+0.0	+0.0	+0.0	54.9	54.0	+0.9	Vert
	· - · -		+0.0	+5.8	-36.8	+0.7			X-802.11g		
			+33.3	+0.6					8		
137	520.930M	39.0	+0.0	+17.8	+0.4	+4.2	+0.0	33.7	46.0	-12.3	Vert
			-27.7	+0.0	+0.0	+0.0					
			+0.0	+0.0							
138	4870.833M	38.0	+0.0	+0.0	+0.0	+0.0	+0.0	41.7	54.0	-12.3	Horiz
	Ave		+0.0	+5.8	-36.8	+0.7			Y_802.11g		
			+33.4	+0.6					_ 8		
٨	4870.833M	49.9	+0.0	+0.0	+0.0	+0.0	+0.0	53.6	54.0	-0.4	Horiz
			+0.0	+5.8	-36.8	+0.7			Y_802.11g	•	
			+33.4	+0.6					_ 8		
·											

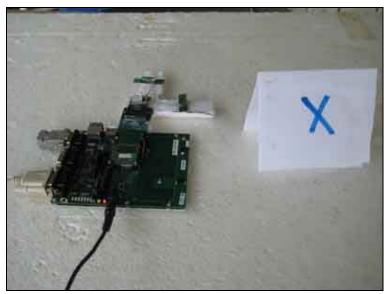


140 4924,000M											
14924.000M		OM 37.7	+0.0	+0.0	+0.0	+0.0	+0.0	41.6	54.0	-12.4	Vert
A 4924,000M	Ave				-36.7	+0.7			X-802.11g		
140											
**13.5	^ 4924.000)M 56.5					+0.0	60.4		+6.4	Vert
A 4924.000M					-36.7	+0.7			Z_802.11b		
148 133.260M 38.8 17.1 17.2 17.2 18.8 17.1 18.8 17.1 19.0											
**13.5	^ 4924.000	OM 53.7					+0.0	57.6		+3.6	Vert
A 4924.000M					-36.7	+0.7			X_802.11b		
144 429,730M 41.0 +16.2 +0.0 +16.2 +0.0 +0											
144 429,730M	^ 4924.000	OM 48.1					+0.0	52.0		-2.0	Vert
144 429,730M					-36.7	+0.7			X-802.11g		
145 545.033M 37.9 +0.0											
145 545.033M 37.9 +0.0	144 429.730	M 41.0					+0.0	33.4	46.0	-12.6	Vert
145 545.033M 37.9 +0.0 +18.3 +0.4 +4.3 +0.0 33.3 46.0 -12.7 Vert +0.0 +0					+0.0	+0.0					
146											<u> </u>
146	145 545.033	37.9					+0.0	33.3	46.0	-12.7	Vert
146					+0.0	+0.0					
147 481.070M 39.4 +0.0 +17.1 +0.4 +4.0 +0.0 33.1 46.0 -12.9 Vert										4.5	
147 481.070M 39.4 +0.0 +17.1 +0.4 +4.0 +0.0 33.1 46.0 -12.9 Vert -27.8 +0.0 +0.0 +0.0 +0.0 +0.0 +0.0	146 126.183	3M 40.4					+0.0	30.7	43.5	-12.8	Horiz
147 481.070M 39.4 +0.0 +17.1 +0.4 +4.0 +0.0 33.1 46.0 -12.9 Vert -27.8 +0.0 +0.0 +0.0 +0.0 +0.0 +0.0 148 133.260M 38.8 +17.1 +0.0					+0.0	+0.0					
148 133.260M 38.8 +17.1 +0.0 +0.											
148 133.260M 38.8 +17.1 +0.0 +0.	147 481.070	M 39.4					+0.0	33.1	46.0	-12.9	Vert
148 133.260M 38.8 +17.1 +0.0 +0.2 +1.9 +0.0 30.1 43.5 -13.4 Horiz -27.9 +0.0					+0.0	+0.0					
149 160.020M 36.8 +18.8 +0.0 +0.											
149 160.020M 36.8 +18.8 +0.0 +0.	148 133.260	OM 38.8					+0.0	30.1	43.5	-13.4	Horiz
149 160.020M 36.8 +18.8 +0.0 +0.3 +2.1 +0.0 30.1 43.5 -13.4 Horiz 150 424.150M 40.0 +0.0 +16.1 +0.4 +3.7 +0.0 32.4 46.0 -13.6 Vert 151 238.990M 38.9 +18.3 +0.0 +0					+0.0	+0.0					
150 424.150M 40.0 +0.0											
+0.0	149 160.020	OM 36.8					+0.0	30.1	43.5	-13.4	Horiz
150 424.150M 40.0 +0.0 +16.1 +0.4 +3.7 +0.0 32.4 46.0 -13.6 Vert -27.8 +0.0 +					+0.0	+0.0					
-27.8											
151 238.990M 38.9 +18.3 +0.0 +0.	150 424.150	M 40.0					+0.0	32.4	46.0	-13.6	Vert
151 238.990M 38.9 +18.3 +0.0 +0.3 +2.7 +0.0 32.4 46.0 -13.6 Vert -27.8 +0.0 +0.0 +0.0 152 375.700M 38.9 +0.0 +17.2 +0.4 +3.5 +0.0 32.2 46.0 -13.8 Vert -27.8 +0.0 +0.0 +0.0 +0.0 153 293.025M 33.0 +22.9 +0.0 +0.3 +3.0 +0.0 31.4 46.0 -14.6 Vert -27.8 +0.0 +0.0 +0.0 154 780.100M 30.1 +0.0 +22.7 +0.4 +5.2 +0.0 31.3 46.0 -14.7 Vert -27.1 +0.0 +0.0 +0.0 155 466.070M 37.9 +0.0 +16.9 +0.3 +3.9 +0.0 31.2 46.0 -14.8 Vert -27.8 +0.0 +0.0 +0.0 +0.0					+0.0	+0.0					
-27.8 +0.0 +0.0 +0.0 152 375.700M 38.9 +0.0 +17.2 +0.4 +3.5 +0.0 32.2 46.0 -13.8 Vert -27.8 +0.0 +0.0 +0.0 153 293.025M 33.0 +22.9 +0.0 +0.0 +0.0 -27.8 +0.0 +0.0 +0.0 154 780.100M 30.1 +0.0 +22.7 +0.4 +5.2 +0.0 31.3 46.0 -14.7 Vert -27.1 +0.0 +0.0 155 466.070M 37.9 +0.0 +16.9 +0.3 +3.9 +0.0 31.2 46.0 -14.8 Vert -27.8 +0.0 +0.0 +0.0								a - :		45 -	
152 375.700M 38.9 +0.0 +17.2 +0.4 +3.5 +0.0 32.2 46.0 -13.8 Vert	151 238.990	M 38.9					+0.0	32.4	46.0	-13.6	Vert
152 375.700M 38.9					+0.0	+0.0					
-27.8 +0.0 +0.0 +0.0 153 293.025M 33.0 +22.9 +0.0 +0.0 +0.0 +0.0 -27.8 +0.0 +0.0 +0.0 +0.0 +0.0 154 780.100M 30.1 +0.0 +22.7 +0.4 +5.2 +0.0 31.3 46.0 -14.7 Vert -27.1 +0.0 +0.0 +0.0 +0.0 155 466.070M 37.9 +0.0 +16.9 +0.3 +3.9 +0.0 31.2 46.0 -14.8 Vert -27.8 +0.0 +0.0 +0.0	150 075 500	N. 60.0			. 0. 4	. 2 7	.0.0	22.2	46.0	12.0	X7 .
153 293.025M 33.0 +22.9 +0.0 +0.3 +3.0 +0.0 31.4 46.0 -14.6 Vert	152 375.700	рм 38.9					+0.0	32.2	46.0	-13.8	Vert
153 293.025M 33.0 +22.9 +0.0 +0.3 +3.0 +0.0 31.4 46.0 -14.6 Vert -27.8 +0.0 +0.0 +0.0 154 780.100M 30.1 +0.0 +22.7 +0.4 +5.2 +0.0 31.3 46.0 -14.7 Vert -27.1 +0.0 +0.0 +0.0 +0.0 +0.0 +0.0 155 466.070M 37.9 +0.0 +16.9 +0.3 +3.9 +0.0 31.2 46.0 -14.8 Vert -27.8 +0.0 +0.0 +0.0					+0.0	+0.0					
-27.8 +0.0 +0.0 +0.0 +0.0 +0.0 154 780.100M 30.1 +0.0 +22.7 +0.4 +5.2 +0.0 31.3 46.0 -14.7 Vert -27.1 +0.0 +0.0 +0.0 +0.0 +0.0 155 466.070M 37.9 +0.0 +16.9 +0.3 +3.9 +0.0 31.2 46.0 -14.8 Vert -27.8 +0.0 +0.0 +0.0	1.50	n					0.0		4.5.0		**
+0.0 +0.0 154 780.100M 30.1 +0.0 +22.7 +0.4 +5.2 +0.0 31.3 46.0 -14.7 Vert -27.1 +0.0 +0.0 +0.0 +0.0 +0.0 155 466.070M 37.9 +0.0 +16.9 +0.3 +3.9 +0.0 31.2 46.0 -14.8 Vert -27.8 +0.0 +0.0 +0.0	153 293.025	ом 33.0					+0.0	31.4	46.0	-14.6	Vert
154 780.100M 30.1 +0.0 +22.7 +0.4 +5.2 +0.0 31.3 46.0 -14.7 Vert -27.1 +0.0 +0.0 +0.0 155 466.070M 37.9 +0.0 +16.9 +0.3 +3.9 +0.0 31.2 46.0 -14.8 Vert -27.8 +0.0 +0.0 +0.0					+0.0	+0.0					
-27.1 +0.0 +0.0 +0.0 +0.0 +0.0 155 466.070M 37.9 +0.0 +16.9 +0.3 +3.9 +0.0 31.2 46.0 -14.8 Vert -27.8 +0.0 +0.0 +0.0	154 500 400	3.6					0.0	21.2	450	115	¥7 ·
+0.0 +0.0 155 466.070M 37.9 +0.0 +16.9 +0.3 +3.9 +0.0 31.2 46.0 -14.8 Vert -27.8 +0.0 +0.0 +0.0	154 780.100	DM 30.1					+0.0	31.3	46.0	-14./	Vert
155 466.070M 37.9 +0.0 +16.9 +0.3 +3.9 +0.0 31.2 46.0 -14.8 Vert -27.8 +0.0 +0.0 +0.0					+0.0	+0.0					
-27.8 +0.0 +0.0 +0.0	4						0.0	21.5	4.5.0	4.0	**
	155 466.070	OM 37.9					+0.0	31.2	46.0	-14.8	Vert
+0.0 +0.0					+0.0	+0.0					
			+0.0	+0.0							

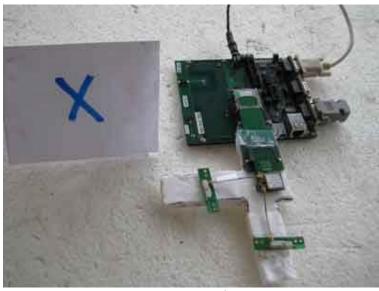


1											
156	434.850M	38.5	+0.0	+16.3	+0.3	+3.7	+0.0	31.0	46.0	-15.0	Vert
			-27.8	+0.0	+0.0	+0.0					
1.55	200 2501 5	20.0	+0.0	+0.0	0.4		0.0	20.0	4.5.0	17.0	**
157	398.270M	38.8	+0.0	+15.8	+0.4	+3.6	+0.0	30.8	46.0	-15.2	Vert
			-27.8	+0.0	+0.0	+0.0					
1.50	204.0453.6	27.0	+0.0	+0.0	0.4		0.0	20.5	150	1.7.0	**
158	384.017M	37.9	+0.0	+16.7	+0.4	+3.5	+0.0	30.7	46.0	-15.3	Vert
			-27.8	+0.0	+0.0	+0.0					
1.50	261 22014	26.5	+0.0	+0.0	. 0. 2	. 2. 4	. 0. 0	20.6	46.0	15.4	T 7 4
159	361.230M	36.5	+0.0	+18.2	+0.3	+3.4	+0.0	30.6	46.0	-15.4	Vert
			-27.8	+0.0	+0.0	+0.0					
160	220 00014	27.0	+0.0	+0.0	.0.2	+2.6	. 0. 0	20.6	46.0	15 /	II a ni n
160	220.980M	37.8	+17.8	+0.0	+0.3	+2.6	+0.0	30.6	46.0	-15.4	Horiz
			-27.9	+0.0	+0.0	+0.0					
161	7386.500M	30.9	+0.0	+0.0	+0.0	+0.0	+0.0	38.3	54.0	-15.7	Horiz
		30.9	+0.0 +0.0	+6.8	+0.0 -36.4	$+0.0 \\ +0.8$	+0.0	30.3	X-802.11g	-13.7	попи
	Ave		+35.9	+0.3	-30.4	+0.8			A-802.11g		
^	7386.500M	43.8	+0.0	+0.0	+0.0	+0.0	+0.0	51.2	54.0	-2.8	Horiz
	/300.300WI	43.0	+0.0 +0.0	+6.8	-36.4	+0.8	+0.0	31.2	X-802.11g	-2.0	HOHZ
			+35.9	+0.3	-30.4	+0.6			A-602.11g		
163	436.230M	37.2	+0.0	+16.4	+0.3	+3.7	+0.0	29.8	46.0	-16.2	Vert
103	430.230W	31.2	-27.8	+0.0	+0.0	+0.0	+0.0	29.0	40.0	-10.2	VCIT
			+0.0	+0.0	10.0	10.0					
164	377.830M	36.6	+0.0	+17.1	+0.4	+3.5	+0.0	29.8	46.0	-16.2	Vert
104	377.030W	30.0	-27.8	+0.0	+0.0	+0.0	10.0	27.0	40.0	-10.2	VCIT
			+0.0	+0.0	10.0	10.0					
165	363.800M	35.2	+0.0	+18.0	+0.3	+3.4	+0.0	29.1	46.0	-16.9	Vert
103	303.00011	33.2	-27.8	+0.0	+0.0	+0.0	10.0	27.1	10.0	10.7	VOIT
			+0.0	+0.0		. 0.0					
166	375.371M	35.8	+0.0	+17.2	+0.4	+3.5	+0.0	29.1	46.0	-16.9	Vert
			-27.8	+0.0	+0.0	+0.0					
			+0.0	+0.0							
167	243.050M	35.5	+18.3	+0.0	+0.3	+2.7	+0.0	29.0	46.0	-17.0	Vert
			-27.8	+0.0	+0.0	+0.0					
			+0.0	+0.0							
168	395.033M	36.2	+0.0	+16.0	+0.4	+3.6	+0.0	28.4	46.0	-17.6	Vert
			-27.8	+0.0	+0.0	+0.0					
			+0.0	+0.0							
169	7312.833M	29.2	+0.0	+0.0	+0.0	+0.0	+0.0	36.4	54.0	-17.6	Horiz
	Ave		+0.0	+6.7	-36.4	+0.8			Y_802.11g		
			+35.8	+0.3							
٨	7312.833M	42.7	+0.0	+0.0	+0.0	+0.0	+0.0	49.9	54.0	-4.1	Horiz
			+0.0	+6.7	-36.4	+0.8			Y_802.11g		
			+35.8	+0.3							
171	409.067M	35.3	+0.0	+15.9	+0.4	+3.6	+0.0	27.4	46.0	-18.6	Vert
			-27.8	+0.0	+0.0	+0.0					
			+0.0	+0.0							
172	385.130M	34.1	+0.0	+16.6	+0.4	+3.5	+0.0	26.8	46.0	-19.2	Vert
			-27.8	+0.0	+0.0	+0.0					
			+0.0	+0.0							



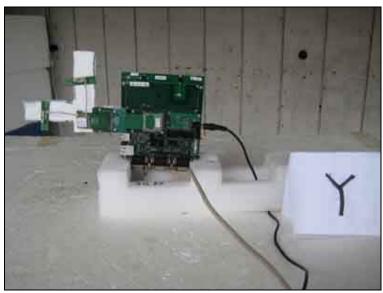


Test Setup Using Antenna Manufacture: Ethertronics

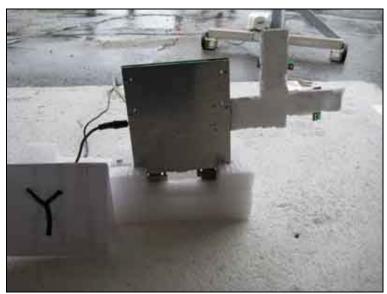


Test Setup Using Antenna Manufacture: Ethertronics



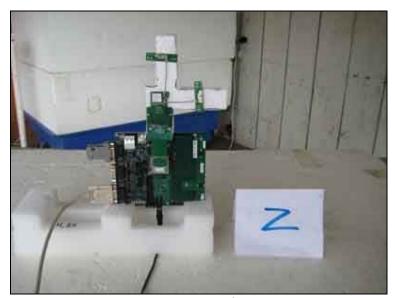


Test Setup Using Antenna Manufacture: Ethertronics



Test Setup Using Antenna Manufacture: Ethertronics





Test Setup Using Antenna Manufacture: Ethertronics



Test Setup Using Antenna Manufacture: Ethertronics



FCC 15.247 (d) (FCC 15.205 Restricted Band) Additional Testing 2/26/2010

Test Data Sheets

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer: Silex Technology, America, Inc.

Specification: FCC 15.247 (d) (FCC 15.205 restricted band)

Work Order #: 90303 Date: 2/26/2010
Test Type: Radiated Scan Time: 16:39:54
Equipment: Wireless 802.11a/b/g SD Card Radio Sequence#: 52
Manufacturer: Silex Technology America, Inc. Tested By: E. Wong

Model: SX-SDCAG

S/N: ED

Test Equipment:

Function	S/N	Calibration Date	Cal Due Date	Asset #
Bicon Antenna	220	10/22/2009	10/22/2011	306
Log Antenna	331	10/22/2009	10/22/2011	300
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672
Pre amp to SA Cable	Cable #10	04/16/2009	04/16/2011	P05050
Cable	Cable15	01/05/2009	01/05/2011	P05198
Pre Amp	1937A02548	05/02/2008	05/02/2010	00309
Horn Antenna	6246	06/06/2008	06/06/2010	00849
Microwave Pre-amp	3123A00281	07/28/2008	07/28/2010	00786
Heliax Antenna Cable	P5565	09/04/2008	09/04/2010	P05565
18-26GHz Horn	942126-003	11/12/2008	11/12/2010	01413
3.0 GHz HPF	1	03/25/2008	03/25/2010	02744
Loop Antenna	2014	06/16/2008	06/16/2010	00314
3'-40GHz cable	NA	09/14/2009	09/14/2011	P02946
2'-40GHz cable	NA	09/21/2009	09/21/2011	P2948

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Wireless 802.11a/b/g SD Card Radio*	Silex Technology America, Inc.	SX-SDCAG	ED

Support Devices:

Function	Manufacturer	Model #	S/N
Evaluator Board	Silex Technology America, Inc.	SX-560-6900	NA
Power Supply	Condor	HK-CH13-A05	NA
802.11 a/b/g Wireless Access Point	3-Com	WL-526	NA
Laptop	Sony	PCG-982L	8323330
Serial Server	Silex Technology America, Inc.	SX-560	SL004545

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Test Conditions / Notes:

The EUT and support evaluation board are placed on the wooden table lined with a Styrofoam surface of 5 cm thickness. The EUT seeking modular approval is extended beyond the perimeter of the evaluation board via an extender card.

The support laptop sends data to the EUT via a support WiFi hub, the EUT receives processes and returns the data to the support computer via a support wireless hub.

Serial port of the support evaluation board is connected to the support laptop via a serial cable and all other ports are left unpopulated.

Freq: 2.412- 2462MHz

Tx Frequency: 2412 MHz, 2437MHz, 2462MHz

Modulation: 802.11 b (11 Mbps),

Ch 1, 6, 11

Firmware Power setting: 16,16, 18

Power= 15.5dBm (0.0355W), 15.6dBm (0.0363W), 16.6dBm (0.0457W)

Modulation: 802.11 g (54Mpbs)

Ch 1, 6, 11

Firmware Power setting: 13, 18, 13

Power = 15.6 dBm(0.0363 W), 17.5 dBm(0.0562 W), 12.6 dBm(0.0182 W)

Antenna Manufacturer : Pulse Antenna Gain:: 3.2dBi @2.5GHz Antenna Gain:: 4.2dBi @5.0GHz

Transmit via Antenna #1

17°C, 41% Relative Humidity

Emission profile of the EUT and antennas rotated along the three orthogonal axis was investigated.

Frequency range of measurement = 9 kHz- 25 GHz.

Frequency 9 kHz - 150 kHz RBW=200 Hz, VBW=200 Hz; 150 kHz- 30 MHz RBW=9 kHz, VBW=9 kHz; 30 MHz- 1000 MHz RBW=120 kHz, VBW=120 kHz; 1000 MHz- 26000 MHz RBW=1 MHz, VBW=1 MHz

Transducer Legend:

Transaucer Legena.	
T1=Heliax Cable 54' ANP05565 090410	T2=HF_pre AMP-1-26GHz_AN00786-072810.TRN
T3=Hi Freq_40GHz_2ft-AN02948-092111	T4=Horn Ant AN00849 060610
T5=HPF_3GHz-AN02744-032510	

Mea	surement Data:	Re	eading lis	ted by ma	argin.	Test Distance: 3 Meters					
#	Freq	Rdng	T1	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
			T5								
	MHz	dΒμV	dB	dB	dB	dB	Table	$dB\muV/m$	$dB\muV/m$	dB	Ant
	1 4923.967M	44.5	+5.9	-36.7	+0.7	+33.5	+0.0	48.4	54.0	-5.6	Vert
	Ave		+0.5						Y_802.11b)	
	2 7386.317M	40.0	+6.8	-36.4	+0.8	+35.9	+0.0	47.4	54.0	-6.6	Horiz
			+0.3						Y_802.11b)	
	3 4823.917M	43.1	+5.8	-36.8	+0.7	+33.3	+0.0	46.7	54.0	-7.3	Vert
	Ave		+0.6						Y_802.11b)	



4 7310.860M	39.4	+6.7 +0.3	-36.4	+0.8	+35.8	+0.0	46.6	54.0 X_802.11g	-7.4	Vert
5 4821.900M	43.0	+5.8	-36.8	+0.7	+33.3	+0.0	46.6	54.0	-7.4	Vert
J 4021.900W	43.0		-30.8	+0.7	+33.3	+0.0	40.0		-/.4	vert
6 4004 067N	10.6	+0.6	267	.07	. 22. 5	. 0. 0	46.5	X_802.11g	7.5	TT .
6 4924.067M	42.6	+5.9	-36.7	+0.7	+33.5	+0.0	46.5	54.0	-7.5	Horiz
Ave		+0.5						Z_802.11b		
7 7386.400M	39.0	+6.8	-36.4	+0.8	+35.9	+0.0	46.4	54.0	-7.6	Horiz
		+0.3						Z_802.11b		
8 7386.217M	38.6	+6.8	-36.4	+0.8	+35.9	+0.0	46.0	54.0	-8.0	Horiz
		+0.3						X_802.11b		
9 7310.850M	38.8	+6.7	-36.4	+0.8	+35.8	+0.0	46.0	54.0	-8.0	Vert
		+0.3						Y_802.11b		
10 4923.817M	42.0	+5.9	-36.7	+0.7	+33.5	+0.0	45.9	54.0	-8.1	Horiz
Ave		+0.5						Y_802.11b		
^ 4923.817M	53.9	+5.9	-36.7	+0.7	+33.5	+0.0	57.8	54.0	+3.8	Horiz
		+0.5						Y_802.11b		
12 7310.850M	38.5	+6.7	-36.4	+0.8	+35.8	+0.0	45.7	54.0	-8.3	Horiz
		+0.3						Y_802.11b		
13 7310.500M	38.5	+6.7	-36.4	+0.8	+35.8	+0.0	45.7	54.0	-8.3	Horiz
		+0.3						Y_802.11g		
14 7386.650M	38.2	+6.8	-36.4	+0.8	+35.9	+0.0	45.6	54.0	-8.4	Vert
		+0.3						Z_802.11b		
15 7386.500M	38.0	+6.8	-36.4	+0.8	+35.9	+0.0	45.4	54.0	-8.6	Vert
		+0.3						X_802.11b		
16 4874.017M	41.5	+5.9	-36.8	+0.7	+33.4	+0.0	45.3	54.0	-8.7	Vert
Ave	11.0	+0.6	20.0	10.7	133.1	10.0	10.0	Y_802.11b	0.7	, 611
17 4823.850M	41.6	+5.8	-36.8	+0.7	+33.3	+0.0	45.2	54.0	-8.8	Horiz
Ave	41.0	+0.6	30.0	10.7	133.3	10.0	73.2	Z_802.11b	0.0	HOHZ
^ 4823.850M	53.2	+5.8	-36.8	+0.7	+33.3	+0.0	56.8	54.0	+2.8	Horiz
4023.030W	33.2	+0.6	-30.6	+0.7	±33.3	+0.0	50.6	Z_802.11b	⊤∠.0	HOHZ
19 7386.300M	37.7	+6.8	-36.4	+0.8	+35.9	+0.0	45.1	54.0	-8.9	Vert
19 /380.300W	31.1	+0.8	-30.4	+0.8	+33.9	+0.0	43.1	Y_802.11b	-8.9	vert
20 4873.967M	41.3		26.0	+0.7	+33.4	. 0. 0	45.1		-8.9	II.ai.
	41.5	+5.9	-36.8	+0.7	+33.4	+0.0	43.1	54.0	-8.9	Horiz
Ave	41.7	+0.6	26.0	.0.7	. 22.2	. 0. 0	45.1	Z_802.11b	0.0	
21 4824.033M	41.5	+5.8	-36.8	+0.7	+33.3	+0.0	45.1	54.0	-8.9	Horiz
Ave	25.0	+0.6	25.1	0.0	27.0	0.0	47.1	X_802.11b	0.0	TT .
22 7310.860M	37.9	+6.7	-36.4	+0.8	+35.8	+0.0	45.1	54.0	-8.9	Horiz
		+0.3	<u> </u>					X_802.11g		
23 4924.250M	41.0	+5.9	-36.7	+0.7	+33.5	+0.0	44.9	54.0	-9.1	Horiz
Ave		+0.5						X_802.11b		
^ 4924.250M	52.5	+5.9	-36.7	+0.7	+33.5	+0.0	56.4	54.0	+2.4	Horiz
		+0.5						X_802.11b		
25 4877.160M	40.7	+5.9	-36.8	+0.7	+33.4	+0.0	44.5	54.0	-9.5	Vert
Ave		+0.6						Y_802.11g		
^ 4877.160M	58.6	+5.9	-36.8	+0.7	+33.4	+0.0	62.4	54.0	+8.4	Vert
		+0.6						Y_802.11g		



M 37.0	+6.7 +0.3	-36.4	+0.8	+35.8	+0.0	44.2	54.0 Z_802.11b	-9.8	Vert
M 40.3	+5.9 +0.5	-36.7	+0.7	+33.5	+0.0	44.2	54.0 X 802.11b	-9.8	Vert
M 51.9	+5.9	-36.7	+0.7	+33.5	+0.0	55.8	54.0	+1.8	Vert
M 40.5	+5.8	-36.8	+0.7	+33.3	+0.0	44.1	54.0	-9.9	Vert
M 54.7	+5.8	-36.8	+0.7	+33.3	+0.0	58.3	54.0	+4.3	Vert
M 52.8	+5.8	-36.8	+0.7	+33.3	+0.0	56.4	54.0	+2.4	Vert
M 36.9	+6.7	-36.4	+0.8	+35.8	+0.0	44.1	54.0	-9.9	Horiz
M 40.1	+5.9	-36.7	+0.7	+33.5	+0.0	44.0	54.0	-10.0	Vert
M 52.2	+5.9	-36.7	+0.7	+33.5	+0.0	56.1	54.0	+2.1	Vert
M 36.8	+6.7	-36.4	+0.8	+35.8	+0.0	44.0	54.0	-10.0	Horiz
M 39.9	+5.8	-36.8	+0.7	+33.3	+0.0	43.5	54.0	-10.5	Horiz
M 39.5	+5.9	-36.8	+0.7	+33.4	+0.0	43.3	54.0	-10.7	Horiz
M 36.0	+6.7	-36.4	+0.8	+35.8	+0.0	43.2	54.0	-10.8	Vert
M 38.9	+5.9	-36.8	+0.7	+33.4	+0.0	42.7	54.0	-11.3	Horiz
M 53.4	+5.9	-36.8	+0.7	+33.4	+0.0	57.2	54.0	+3.2	Horiz
M 52.3	+5.9	-36.8	+0.7	+33.4	+0.0	56.1	54.0	+2.1	Horiz
M 51.3	+5.9	-36.8	+0.7	+33.4	+0.0	55.1	54.0	⊥1 1	Horiz
	±0.6					33.1		11.1	110112
M 38.2	+0.6 +5.9 +0.6	-36.8	+0.7	+33.4	+0.0	42.0	X_802.11b 54.0	-12.0	Vert
M 38.2 M 37.9	+5.9 +0.6 +5.9	-36.8	+0.7	+33.4			X_802.11b 54.0 Z_802.11b 54.0		
	+5.9 +0.6 +5.9 +0.6 +5.9				+0.0	42.0	X_802.11b 54.0 Z_802.11b 54.0 Z_802.11g 54.0	-12.0	Vert
M 37.9	+5.9 +0.6 +5.9 +0.6 +5.9 +0.6 +5.8	-36.8	+0.7	+33.4	+0.0	42.0	X_802.11b 54.0 Z_802.11b 54.0 Z_802.11g 54.0 Z_802.11g 54.0	-12.0 -12.3	Vert Horiz
M 37.9 M 55.7	+5.9 +0.6 +5.9 +0.6 +5.9 +0.6 +5.8 +0.6	-36.8 -36.8	+0.7	+33.4	+0.0 +0.0 +0.0	42.0 41.7 59.5	X_802.11b 54.0 Z_802.11b 54.0 Z_802.11g 54.0 Z_802.11g 54.0 Y_802.11g 54.0	-12.0 -12.3 +5.5	Vert Horiz Horiz
M 37.9 M 55.7 M 37.6	+5.9 +0.6 +5.9 +0.6 +5.9 +0.6 +5.8 +0.6	-36.8 -36.8	+0.7 +0.7 +0.7	+33.4 +33.3	+0.0 +0.0 +0.0 +0.0	42.0 41.7 59.5 41.2	X_802.11b 54.0 Z_802.11b 54.0 Z_802.11g 54.0 Z_802.11g 54.0 Y_802.11g	-12.0 -12.3 +5.5 -12.8	Vert Horiz Horiz Vert
	M 40.3 M 51.9 M 40.5 M 54.7 M 52.8 M 36.9 M 40.1 M 52.2 M 36.8 M 39.9 M 39.5 M 38.9 M 53.4	HO.3 M 40.3 +5.9 +0.5 M 51.9 +5.9 +0.5 M 40.5 +5.8 +0.6 M 54.7 +5.8 +0.6 M 52.8 +5.8 +0.6 M 36.9 +6.7 +0.3 M 40.1 +5.9 +0.5 M 36.8 +6.7 +0.3 M 39.9 +5.8 +0.6 M 39.9 +5.8 +0.6 M 39.9 +5.8 +0.6 M 39.9 +5.9 +0.6 M 36.0 +6.7 +0.3 M 38.9 +5.9 +0.6 M 52.3 +5.9 +0.6 M 52.3 +5.9 +0.6 M 52.3 +5.9 +0.6	HO.3 M 40.3 +5.9 -36.7 +0.5 M 51.9 +5.9 -36.7 +0.5 M 40.5 +5.8 -36.8 +0.6 M 54.7 +5.8 -36.8 +0.6 M 52.8 +5.8 -36.8 +0.6 M 36.9 +6.7 -36.4 +0.3 M 40.1 +5.9 -36.7 +0.5 M 52.2 +5.9 -36.7 +0.5 M 36.8 +6.7 -36.4 +0.3 M 39.9 +5.8 -36.8 +0.6 M 39.5 +5.9 -36.8 +0.6 M 38.9 +5.9 -36.8 +0.6 M 38.9 +5.9 -36.8 +0.6 M 53.4 +5.9 -36.8 +0.6 M 52.3 +5.9 -36.8 +0.6	+0.3 M 40.3 +5.9 -36.7 +0.7 +0.5 M 51.9 +5.9 -36.7 +0.7 +0.5 M 40.5 +5.8 -36.8 +0.7 +0.6 M 54.7 +5.8 -36.8 +0.7 +0.6 M 52.8 +5.8 -36.8 +0.7 +0.6 M 36.9 +6.7 -36.4 +0.8 +0.3 M 40.1 +5.9 -36.7 +0.7 +0.5 M 52.2 +5.9 -36.7 +0.7 +0.5 M 39.9 +5.8 -36.8 +0.7 +0.6 M 39.9 +5.9 -36.8 +0.7 +0.6 M 38.9 +5.9 -36.8 +0.7 +0.6 M 38.9 +5.9 -36.8 +0.7 +0.6 M 53.4 +5.9 -36.8 +0.7 +0.6 M 53.4 +5.9 -36.8 +0.7 +0.6	HO.3 M 40.3 +5.9 -36.7 +0.7 +33.5 M 51.9 +5.9 -36.7 +0.7 +33.5 M 40.5 +5.8 -36.8 +0.7 +33.3 +0.6 M 54.7 +5.8 -36.8 +0.7 +33.3 +0.6 M 52.8 +5.8 -36.8 +0.7 +33.3 +0.6 M 36.9 +6.7 -36.4 +0.8 +35.8 +0.3 M 40.1 +5.9 -36.7 +0.7 +33.5 M 52.2 +5.9 -36.7 +0.7 +33.5 M 36.8 +6.7 -36.4 +0.8 +35.8 M 39.9 +5.8 -36.8 +0.7 +33.3 M 39.9 +5.8 -36.8 +0.7 +33.3 M 39.9 +5.8 -36.8 +0.7 +33.4 +0.6 M 39.5 +5.9 -36.8 +0.7 +33.4 +0.6 M 38.9 +5.9 -36.8 +0.7 +33.4 +0.6 M 38.9 +5.9 -36.8 +0.7 +33.4 +0.6 M 53.4 +5.9 -36.8 +0.7 +33.4 +0.6 M 53.4 +5.9 -36.8 +0.7 +33.4 +0.6 M 52.3 +5.9 -36.8 +0.7 +33.4 +0.6	HO.3 M 40.3 +5.9 -36.7 +0.7 +33.5 +0.0 M 51.9 +5.9 -36.7 +0.7 +33.5 +0.0 M 40.5 +5.8 -36.8 +0.7 +33.3 +0.0 M 54.7 +5.8 -36.8 +0.7 +33.3 +0.0 HO.6 M 52.8 +5.8 -36.8 +0.7 +33.3 +0.0 HO.6 M 36.9 +6.7 -36.4 +0.8 +35.8 +0.0 HO.5 M 52.2 +5.9 -36.7 +0.7 +33.5 +0.0 HO.5 M 36.8 +6.7 -36.4 +0.8 +35.8 +0.0 HO.5 M 39.9 +5.8 -36.8 +0.7 +33.3 +0.0 HO.5 M 39.9 +5.8 -36.8 +0.7 +33.5 +0.0 HO.5 M 39.9 +5.8 -36.8 +0.7 +33.3 +0.0 HO.6 M 39.9 +5.8 -36.8 +0.7 +33.4 +0.0 HO.6 M 39.9 +5.9 -36.8 +0.7 +33.4 +0.0 HO.6 M 38.9 +5.9 -36.8 +0.7 +33.4 +0.0 HO.6 M 38.9 +5.9 -36.8 +0.7 +33.4 +0.0 HO.6 M 38.9 +5.9 -36.8 +0.7 +33.4 +0.0 HO.6 M 52.3 +5.9 -36.8 +0.7 +33.4 +0.0	HOS	House	Ho.3



51 4924.800M Ave	36.5	+5.9 +0.5	-36.7	+0.7	+33.5	+0.0	40.4	54.0 Z_802.11g	-13.6	Horiz
^ 4924.800M	49.6	+5.9	-36.7	+0.7	+33.5	+0.0	53.5	54.0	-0.5	Horiz
		+0.5						Z_802.11g		
53 4873.967M	36.3	+5.9	-36.8	+0.7	+33.4	+0.0	40.1	54.0	-13.9	Vert
Ave		+0.6						X_802.11b		
^ 4874.017M	53.5	+5.9	-36.8	+0.7	+33.4	+0.0	57.3	54.0	+3.3	Vert
		+0.6						Y_802.11b		
^ 4874.050M	50.2	+5.9	-36.8	+0.7	+33.4	+0.0	54.0	54.0	+0.0	Vert
		+0.6						Z_802.11b		
56 4825.400M	36.1	+5.8	-36.8	+0.7	+33.3	+0.0	39.7	54.0	-14.3	Horiz
Ave		+0.6						Z_802.11g		
^ 4825.400M	49.4	+5.8	-36.8	+0.7	+33.3	+0.0	53.0	54.0	-1.0	Horiz
+023.+001v1	77.7	+0.6	-30.0	10.7	133.3	10.0	33.0	Z_802.11g	-1.0	HOHZ
58 4873.460M	35.7	+5.9	-36.8	+0.7	+33.4	+0.0	39.5	54.0	-14.5	Horiz
	33.7		-30.6	+0.7	+33.4	+0.0	39.3		-14.3	HOHZ
Ave	<i>7</i> 1 1	+0.6	26.0	. 0. 7	. 22. 4	. 0. 0	740	Y_802.11g	. 0. 0	77 .
^ 4873.460M	51.1	+5.9	-36.8	+0.7	+33.4	+0.0	54.9	54.0	+0.9	Horiz
		+0.6						Y_802.11g		
60 4823.400M	35.7	+5.8	-36.8	+0.7	+33.3	+0.0	39.3	54.0	-14.7	Horiz
Ave		+0.6						X_802.11g		
^ 4823.400M	48.5	+5.8	-36.8	+0.7	+33.3	+0.0	52.1	54.0	-1.9	Horiz
		+0.6						X_802.11g		
62 4924.800M	35.1	+5.9	-36.7	+0.7	+33.5	+0.0	39.0	54.0	-15.0	Vert
Ave		+0.5						Y_802.11g		
63 4825.400M	35.2	+5.8	-36.8	+0.7	+33.3	+0.0	38.8	54.0	-15.2	Vert
Ave	33.2	+0.6	50.0	10.7	100.0	10.0	50.0	Z_802.11g	10.2	, 010
^ 4825.400M	48.0	+5.8	-36.8	+0.7	+33.3	+0.0	51.6	54.0	-2.4	Vert
7023.700IVI	70.0	+0.6	-30.0	10.7	133.3	10.0	31.0	Z_802.11g	-2.4	VCIT
65 4877.360M	34.8	+5.9	-36.8	+0.7	+33.4	+0.0	38.6	54.0	-15.4	Vert
	34.6	+0.6	-30.6	+0.7	+33.4	+0.0	36.0		-13.4	Vert
Ave	50.0		260	0.7	22.4	0.0	560	Z_802.11g	2.0	T.7 .
^ 4877.360M	53.0	+5.9	-36.8	+0.7	+33.4	+0.0	56.8	54.0	+2.8	Vert
		+0.6						Z_802.11g		
67 4924.000M	34.5	+5.9	-36.7	+0.7	+33.5	+0.0	38.4	54.0	-15.6	Horiz
Ave		+0.5						Y_802.11g		
^ 4924.067M	54.9	+5.9	-36.7	+0.7	+33.5	+0.0	58.8	54.0	+4.8	Horiz
		+0.5						Z_802.11b		
^ 4924.000M	47.4	+5.9	-36.7	+0.7	+33.5	+0.0	51.3	54.0	-2.7	Horiz
		+0.5						Y_802.11g		
^ 4924.000M	46.3	+5.9	-36.7	+0.7	+33.5	+0.0	50.2	54.0	-3.8	Horiz
		+0.5						X_802.11g		
71 4924.000M	34.3	+5.9	-36.7	+0.7	+33.5	+0.0	38.2	54.0	-15.8	Horiz
Ave	51.5	+0.5	55.7	. 0.7	100.0	1 0.0	50.2	X_802.11g	15.0	110112
72 4924.800M	34.2	+5.9	-36.7	+0.7	+33.5	+0.0	38.1	54.0	-15.9	Vert
	34.2	+0.5	-30.7	±0.7	+55.5	+0.0	30.1	Z_802.11g	-13.9	v en
Ave	40.1		267	.07	122 5	ι Ο Ο	53.0		1.0	1 7t
^ 4924.800M	49.1	+5.9	-36.7	+0.7	+33.5	+0.0	55.0	54.0	-1.0	Vert
A 4004 0007 5	40.0	+0.5	2:5	0.5	22.7	0.0	50.0	Z_802.11g	1.0	T 7
^ 4924.800M	48.3	+5.9	-36.7	+0.7	+33.5	+0.0	52.2	54.0	-1.8	Vert
		+0.5						Y_802.11g		



75	4824.000M	34.3	+5.8	-36.8	+0.7	+33.3	+0.0	37.9	54.0	-16.1	Horiz
	Ave	57.5	+0.6	-30.0	10.7	133.3	10.0	31.7	Y_802.11g	-10.1	HOHZ
^	4824.033M	53.2	+5.8	-36.8	+0.7	+33.3	+0.0	56.8	54.0	+2.8	Horiz
			+0.6						X_802.11b		
^	4823.967M	52.1	+5.8	-36.8	+0.7	+33.3	+0.0	55.7	54.0	+1.7	Horiz
			+0.6						Y_802.11b		
٨	4824.000M	47.0	+5.8	-36.8	+0.7	+33.3	+0.0	50.6	54.0	-3.4	Horiz
	.020001.1		+0.6	20.0			. 0.0	20.0	Y_802.11g		110112
79	4873.900M	33.6	+5.9	-36.8	+0.7	+33.4	+0.0	37.4	54.0	-16.6	Vert
	Ave	55.0	+0.6	20.0	10.7	133.1	10.0	57.1	X_802.11g	10.0	, 611
	4873.967M	48.5	+5.9	-36.8	+0.7	+33.4	+0.0	52.3	54.0	-1.7	Vert
	1073.707111	10.5	+0.6	30.0	10.7	133.1	10.0	32.3	X_802.11b	1.,	VOIT
^	4873.900M	48.4	+5.9	-36.8	+0.7	+33.4	+0.0	52.2	54.0	-1.8	Vert
	4673.900WI	40.4	+0.6	-30.6	+0.7	⊤33. 1	+0.0	32.2	X_802.11g	-1.0	VCIT
82	4824.117M	33.4	+5.8	-36.8	+0.7	+33.3	+0.0	37.0	54.0	-17.0	Vert
		33.4	+0.6	-30.6	+0.7	+33.3	+0.0	37.0	X_802.11b	-17.0	Vert
	Ave 4824.117M	48.3	+5.8	-36.8	+0.7	+33.3	+0.0	51.9	54.0	-2.1	Vert
,	4824.11/IVI	46.3		-30.8	+0.7	+33.3	+0.0	31.9		-2.1	vert
0.4	4024 00014	20.2	+0.6	267	. 0. 7	. 22. 5	. 0. 0	24.2	X_802.11b	10.0	77.
	4924.000M	30.3	+5.9	-36.7	+0.7	+33.5	+0.0	34.2	54.0	-19.8	Vert
	Ave		+0.5						X_802.11g		
^	4923.967M	56.3	+5.9	-36.7	+0.7	+33.5	+0.0	60.2	54.0	+6.2	Vert
			+0.5						Y_802.11b		
^	4924.000M	43.6	+5.9	-36.7	+0.7	+33.5	+0.0	47.5		-6.5	Vert
			+0.5						X_802.11g		
87	7236.250M	38.8	+6.7	-36.5	+0.8	+35.6	+0.0	45.7	74.0	-28.3	Vert
			+0.3						Y_802.11g		
88	9848.083M	32.8	+8.4	-36.7	+1.0	+37.8	+0.0	43.6		-51.4	Vert
	Ave		+0.3						Z_802.11b		
89	9848.033M	32.3	+8.4	-36.7	+1.0	+37.8	+0.0	43.1	95.0	-51.9	Horiz
	Ave		+0.3						Z_802.11b		
90	9847.934M	31.8	+8.4	-36.7	+1.0	+37.8	+0.0	42.6	95.0	-52.4	Horiz
	Ave		+0.3						Y_802.11b		
91	9647.850M	30.5	+8.4	-36.5	+1.0	+37.6	+0.0	41.4	95.0	-53.6	Vert
	Ave		+0.4						Z_802.11b		
^	9647.850M	40.7	+8.4	-36.5	+1.0	+37.6	+0.0	51.6	95.0	-43.4	Vert
			+0.4						Z_802.11b		
93	9848.267M	28.9	+8.4	-36.7	+1.0	+37.8	+0.0	39.7	95.0	-55.3	Vert
	Ave		+0.3						Y_802.11b		
	9848.267M	39.6	+8.4	-36.7	+1.0	+37.8	+0.0	50.4	95.0	-44.6	Vert
	20.0.2071.1	27.0	+0.3	23.7	. 1.0			20.1	Y_802.11b		. 011
95	9643.800M	28.8	+8.4	-36.5	+1.0	+37.5	+0.0	39.6	95.0	-55.4	Vert
	Ave	20.0	+0.4	50.5	11.0	131.3	10.0	37.0	X_802.11g	ээ.т	7 011
	9643.800M	39.6	+8.4	-36.5	+1.0	+37.5	+0.0	50.4	95.0	-44.6	Vert
	2043.0UUIVI	37.0	+0.4	-50.5	+1.∪	+51.5	+0.0	50.4	93.0 X_802.11g	-44.0	v er t
07	9645.300M	28.7	+8.4	26.5	+1.Ω	127 5	ι Ο Ο	39.5	95.0	-55.5	Цета
		28.1		-36.5	+1.0	+37.5	+0.0	39.3		-33.3	Horiz
	Ave	20.2	+0.4	26.5	, 1.Δ	127.5		40.1	X_802.11g	45.0	II
	9645.300M	38.3	+8.4	-36.5	+1.0	+37.5	+0.0	49.1	95.0 V 902.11a	-45.9	Horiz
			+0.4						X_802.11g		



	0.551.0.553.5	20.6	0.4	2 - 7	1.0	27.6	0.0	20.7	0.7.0		** .
	9651.367M	28.6	+8.4	-36.5	+1.0	+37.6	+0.0	39.5	95.0	-55.5	Horiz
	Ave	20.5	+0.4	265	1.0	27.6	0.0	40.4	X_802.11b	15.6	
^	9651.366M	38.5	+8.4	-36.5	+1.0	+37.6	+0.0	49.4	95.0	-45.6	Horiz
			+0.4						X_802.11b		
	9747.860M	28.7	+8.4	-36.6	+1.0	+37.7	+0.0	39.5	95.0	-55.5	Horiz
	Ave		+0.3						X_802.11g		
٨	9747.860M	38.9	+8.4	-36.6	+1.0	+37.7	+0.0	49.7	95.0	-45.3	Horiz
			+0.3						X_802.11g		
103	9645.900M	28.7	+8.4	-36.5	+1.0	+37.5	+0.0	39.5	95.0	-55.5	Horiz
	Ave		+0.4						Y_802.11g		
٨	9645.900M	39.1	+8.4	-36.5	+1.0	+37.5	+0.0	49.9	95.0	-45.1	Horiz
			+0.4						Y_802.11g		
105	9847.833M	27.8	+8.4	-36.7	+1.0	+37.8	+0.0	38.6	95.0	-56.4	Vert
	Ave	27.0	+0.3	30.7	11.0	137.0	10.0	50.0	X_802.11b	50.1	, 011
	9847.833M	40.5	+8.4	-36.7	+1.0	+37.8	+0.0	51.3	95.0	-43.7	Vert
	7047.033 1VI	40.5	+0.3	30.7	11.0	137.0	10.0	31.3	X_802.11b	73.7	VCIT
107	9848.434M	27.5	+8.4	-36.7	+1.0	+37.8	+0.0	38.3	95.0	-56.7	Horiz
		21.3	+0.3	-30.7	+1.0	+37.6	+0.0	36.3	X_802.11b	-30.7	HOHZ
	Ave	20.1		267	. 1.0	. 27.0	. 0. 0	40.0		1.6.1	TT .
	9848.434M	38.1	+8.4	-36.7	+1.0	+37.8	+0.0	48.9	95.0 V 902.111	-46.1	Horiz
100			+0.3						X_802.11b		
	9848.820M	27.5	+8.4	-36.7	+1.0	+37.8	+0.0	38.3	95.0	-56.7	Vert
	Ave		+0.3						Z_802.11g		
^	9848.800M	39.6	+8.4	-36.7	+1.0	+37.8	+0.0	50.4	95.0	-44.6	Vert
			+0.3						Z_802.11g		
^	9848.800M	38.6	+8.4	-36.7	+1.0	+37.8	+0.0	49.4	95.0	-45.6	Vert
			+0.3						Z_802.11g		
٨	9848.800M	37.9	+8.4	-36.7	+1.0	+37.8	+0.0	48.7	95.0	-46.3	Vert
			+0.3						Y_802.11g		
113	9651.233M	27.1	+8.4	-36.5	+1.0	+37.6	+0.0	38.0	95.0	-57.0	Vert
	Ave		+0.4						X_802.11b		
٨	9651.233M	40.3	+8.4	-36.5	+1.0	+37.6	+0.0	51.2	95.0	-43.8	Vert
	, 001.2001.1	.0.0	+0.4	20.0	. 1.0	107.0	. 0.0	01.2	X_802.11b		, 010
115	9747.700M	27.1	+8.4	-36.6	+1.0	+37.7	+0.0	37.9	95.0	-57.1	Vert
	Ave	27.1	+0.3	30.0	11.0	137.7	10.0	31.7	X_802.11b	37.1	VCIT
	9747.700M	39.4	+8.4	-36.6	+1.0	+37.7	+0.0	50.2	95.0	-44.8	Vert
	9747.700IVI	37.4	+0.3	-30.0	⊤1.0	<i>⊤31.1</i>	+0.0	30.2	X_802.11b	-44.0	VCIT
	9747.717M	38.9	+8.4	-36.6	+1.0	+37.7	+0.0	49.7	95.0	-45.3	Vert
	9/4/./1/M	30.9		-30.0	+1.0	+37.7	+0.0	49.7		-43.3	vert
	0747 6043 5	20.7	+0.3	26.6	. 1 0	. 27.7	.0.0	40.4	Z_802.11b	45.6	T7 ,
_ ^	9747.684M	38.6	+8.4	-36.6	+1.0	+37.7	+0.0	49.4	95.0	-45.6	Vert
	05.45.50.75.5	2.0	+0.3	0.7.7		2= =	0.0	25.5	Y_802.11b		** .
	9747.684M	26.8	+8.4	-36.6	+1.0	+37.7	+0.0	37.6	95.0	-57.4	Horiz
	Ave		+0.3						Y_802.11b		
^	9747.684M	40.1	+8.4	-36.6	+1.0	+37.7	+0.0	50.9	95.0	-44.1	Horiz
			+0.3						Y_802.11b		
^	9747.717M	39.3	+8.4	-36.6	+1.0	+37.7	+0.0	50.1	95.0	-44.9	Horiz
			+0.3						Z_802.11b		
122	9848.000M	26.8	+8.4	-36.7	+1.0	+37.8	+0.0	37.6	95.0	-57.4	Horiz
	Ave		+0.3						X_802.11g		

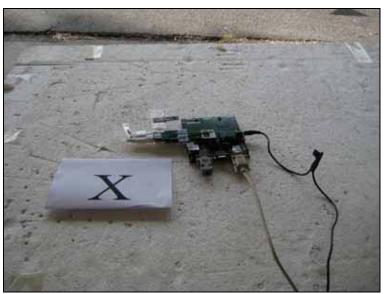


	9747.717M Ave	26.6	+8.4 +0.3	-36.6	+1.0	+37.7	+0.0	37.4	95.0 Z_802.11b	-57.6	Horiz
	9651.500M	26.4	+8.4	-36.5	+1.0	+37.6	+0.0	37.3	95.0	-57.7	Horiz
	Ave	20.1	+0.4	30.5	11.0	137.0	10.0	57.5	Z_802.11g	57.7	HOHE
	9651.500M	38.5	+8.4	-36.5	+1.0	+37.6	+0.0	49.4	95.0	-45.6	Horiz
	9031.300WI	30.3	+0.4	-30.3	⊤1.0	+37.0	+0.0	42.4	Z_802.11g	-45.0	HOHZ
106	0.651.5001.6	26.2		26.5	.10	. 27. 6	. 0. 0	27.2		<i>57</i> .0	T 7 4
	9651.500M	26.3	+8.4	-36.5	+1.0	+37.6	+0.0	37.2	95.0	-57.8	Vert
	Ave		+0.4					40.4	Z_802.11g		
^	9651.500M	38.2	+8.4	-36.5	+1.0	+37.6	+0.0	49.1	95.0	-45.9	Vert
			+0.4						Z_802.11g		
128	9650.750M	26.3	+8.4	-36.5	+1.0	+37.6	+0.0	37.2	95.0	-57.8	Horiz
	Ave		+0.4						Z_802.11b		
٨	9650.750M	38.0	+8.4	-36.5	+1.0	+37.6	+0.0	48.9	95.0	-46.1	Horiz
			+0.4						Z_802.11b		
130	9848.800M	26.4	+8.4	-36.7	+1.0	+37.8	+0.0	37.2	95.0	-57.8	Vert
	Ave		+0.3						Z_802.11g		
	9649.330M	26.3	+8.4	-36.5	+1.0	+37.6	+0.0	37.2	95.0	-57.8	Vert
	Ave	20.5	+0.4	50.5	11.0	137.0	10.0	37.2	Y_802.11g	57.0	, 010
	9649.300M	37.9	+8.4	-36.5	+1.0	+37.6	+0.0	48.8	95.0	-46.2	Vert
	7047.300WI	31.9	+0.4	-30.3	+1.0	+37.0	+0.0	40.0	Y_802.11g	-40.2	VEIL
122	9650.867M	26.2		26.5	. 1.0	.27.6	. 0. 0	27.1		57.0	T. 74
		26.2	+8.4	-36.5	+1.0	+37.6	+0.0	37.1	95.0	-57.9	Vert
	Ave		+0.4					40.0	Y_802.11b		
^	9650.817M	38.4	+8.4	-36.5	+1.0	+37.6	+0.0	49.3	95.0	-45.7	Vert
			+0.4						Y_802.11b		
135	9747.860M	26.3	+8.4	-36.6	+1.0	+37.7	+0.0	37.1	95.0	-57.9	Vert
	Ave		+0.3						X_802.11g		
٨	9747.860M	38.3	+8.4	-36.6	+1.0	+37.7	+0.0	49.1	95.0	-45.9	Vert
			+0.3						X_802.11g		
137	9751.360M	26.2	+8.4	-36.6	+1.0	+37.7	+0.0	37.0	95.0	-58.0	Vert
	Ave		+0.3						Z_802.11g		
	9751.360M	38.9	+8.4	-36.6	+1.0	+37.7	+0.0	49.7	95.0	-45.3	Vert
) / B 1.8001.1	30.7	+0.3	50.0	11.0	137.7	10.0	12.7	Z_802.11g	10.0	, 010
130	9848.000M	26.2	+8.4	-36.7	+1.0	+37.8	+0.0	37.0	95.0	-58.0	Vert
	Ave	20.2	+0.3	-30.7	⊤1.0	+37.6	+0.0	37.0	X_802.11g	-56.0	VCIT
	9848.083M	41.6	+8.4	-36.7	+1.0	+37.8	+0.0	52.4	95.0	-42.6	Vert
	9040.U03IVI	41.0		-30.7	+1.0	+37.8	+0.0	32.4		-42.0	vert
	0040.00014	20.2	+0.3	267	1.0	27.0	0.0	10.1	Z_802.11b	45.0	¥7
Λ	9848.000M	38.3	+8.4	-36.7	+1.0	+37.8	+0.0	49.1	95.0	-45.9	Vert
			+0.3						X_802.11g	-	
	9650.866M	26.1	+8.4	-36.5	+1.0	+37.6	+0.0	37.0	95.0	-58.0	Horiz
	Ave		+0.4						Y_802.11b		
^	9650.866M	37.3	+8.4	-36.5	+1.0	+37.6	+0.0	48.2	95.0	-46.8	Horiz
			+0.4						Y_802.11b		
144	9747.460M	26.1	+8.4	-36.6	+1.0	+37.7	+0.0	36.9	95.0	-58.1	Horiz
	Ave		+0.3						Y_802.11g		
	9747.460M	38.4	+8.4	-36.6	+1.0	+37.7	+0.0	49.2	95.0	-45.8	Horiz
			+0.3						Y_802.11g		
146	9747.684M	26.1	+8.4	-36.6	+1.0	+37.7	+0.0	36.9	95.0	-58.1	Vert
	Ave	20.1	+0.3	20.0	11.0	131.1	10.0	50.7	Y_802.11b	50.1	, 011
	1110		10.5						1_002.110		



147 9751.160M	26.1	+8.4	-36.6	+1.0	+37.7	+0.0	36.9	95.0	-58.1	Vert
Ave		+0.3						Y_802.11g		
^ 9751.160M	38.0	+8.4	-36.6	+1.0	+37.7	+0.0	48.8	95.0	-46.2	Vert
		+0.3						Y_802.11g		
149 9747.717M	26.0	+8.4	-36.6	+1.0	+37.7	+0.0	36.8	95.0	-58.2	Vert
Ave		+0.3						Z_802.11b		
150 9751.360M	25.9	+8.4	-36.6	+1.0	+37.7	+0.0	36.7	95.0	-58.3	Horiz
Ave		+0.3						Z_802.11g		
^ 9751.360M	36.3	+8.4	-36.6	+1.0	+37.7	+0.0	47.1	95.0	-47.9	Horiz
		+0.3						Z_802.11g		
152 9748.733M	25.9	+8.4	-36.6	+1.0	+37.7	+0.0	36.7	95.0	-58.3	Horiz
Ave		+0.3						X_802.11b		
^ 9748.733M	38.3	+8.4	-36.6	+1.0	+37.7	+0.0	49.1	95.0	-45.9	Horiz
		+0.3						X_802.11b		
154 9848.000M	25.5	+8.4	-36.7	+1.0	+37.8	+0.0	36.3	95.0	-58.7	Horiz
Ave		+0.3						Y_802.11g		
^ 9847.934M	42.7	+8.4	-36.7	+1.0	+37.8	+0.0	53.5	95.0	-41.5	Horiz
		+0.3						Y_802.11b		
^ 9848.033M	41.3	+8.4	-36.7	+1.0	+37.8	+0.0	52.1	95.0	-42.9	Horiz
		+0.3						Z_802.11b		
^ 9848.000M	39.9	+8.4	-36.7	+1.0	+37.8	+0.0	50.7	95.0	-44.3	Horiz
		+0.3						Y_802.11g		
^ 9848.000M	39.7	+8.4	-36.7	+1.0	+37.8	+0.0	50.5	95.0	-44.5	Horiz
		+0.3						X_802.11g		
159 9848.800M	25.3	+8.4	-36.7	+1.0	+37.8	+0.0	36.1	95.0	-58.9	Vert
Ave		+0.3						Y_802.11g		



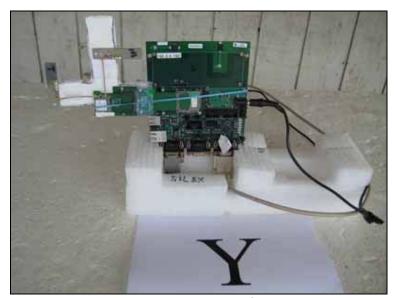


Test Setup Using Antenna Manufacture: Pulse

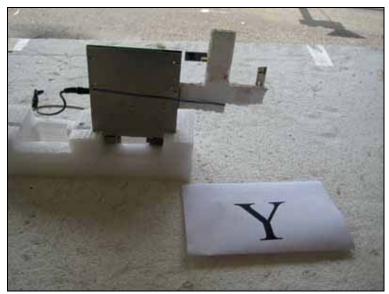


Test Setup Using Antenna Manufacture: Pulse



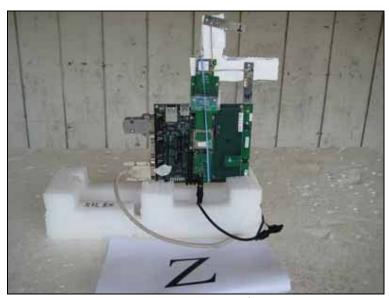


Test Setup Using Antenna Manufacture: Pulse

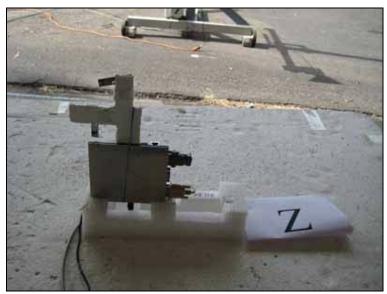


Test Setup Using Antenna Manufacture: Pulse





Test Setup Using Antenna Manufacture: Pulse



Test Setup Using Antenna Manufacture: Pulse



15.247(e) Power Spectral Density

Test Setup: The EUT is placed on the test bench. The device is set in continuous transmit mode, the RF output power is measure at the antenna port in accordance with KDB Publication No. 558074, PSD option 2.

<u>Test Conditions:</u> Freq: 2412- 2462MHz Tx Frequency: 2412 MHz, 2437MHz, 2462MHz Modulation: 802.11 b (11 Mbps), Ch 1, 6, 11

Firmware Power setting: 16,18

Power= 15.5dBm (0.0355W), 15.6dBm (0.0363W), 16.6dBm (0.0457W)

Modulation: 802.11 g (54Mpbs) Ch 1, 6, 11

Firmware Power setting: 16, 18, 13

Power = 15.6 dBm(0.0363 W), 17.5dBm (0.0562W), 12.6dBm (0.0182W)

13°C, 58% Relative Humidity

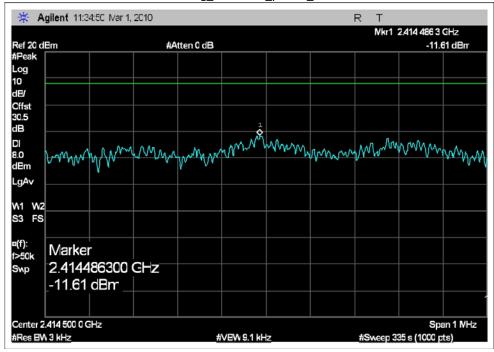
Engineer Name: E. Wong

Test Equipment						
Equipment	Serial	Cal Date	Cal Due	Asset		
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672		
3'-40GHz cable	NA	09/14/2009	09/14/2011	P02946		

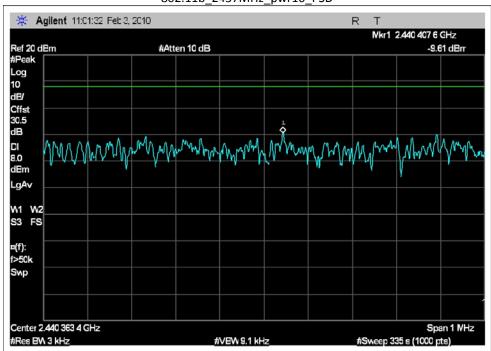


Test Data

802.11g_2412MHz_pwr13_PSD

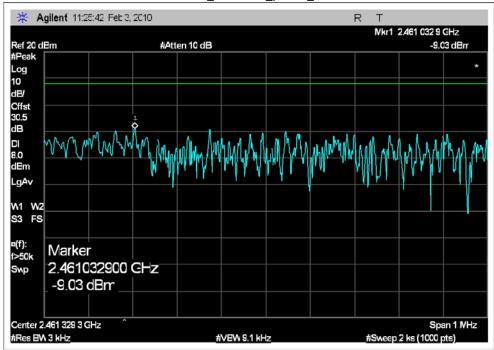


802.11b_2437MHz_pwr16_PSD

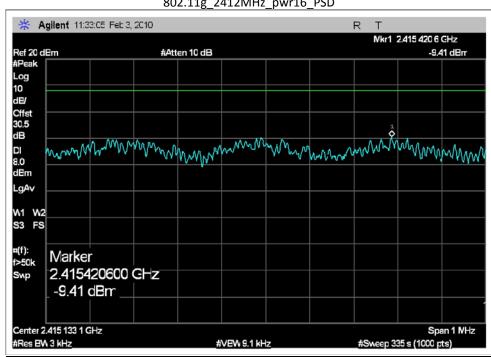




802.11b_2462MHz_pwr18_PSD

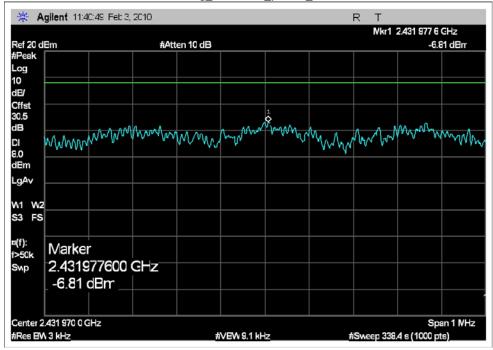




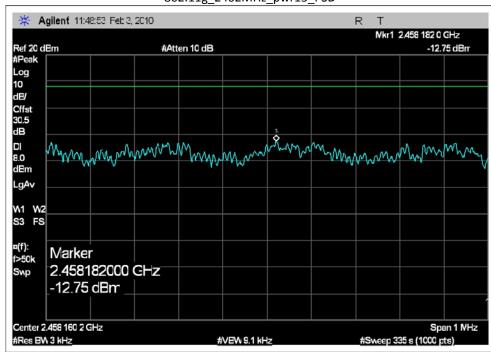




802.11g_2437MHz_pwr18_PSD



802.11g_2462MHz_pwr13_PSD







Test Setup Using Antenna Manufacture: Ethertronics



Band Edge

<u>Test Setup</u>: The EUT is placed on the test bench. The device is set in continuous transmit mode, the emission profile is measured at the antenna port.

<u>Test Conditions:</u> Freq: 2412- 2462MHz Tx Frequency: 2412 MHz, 2437MHz, 2462MHz Modulation: 802.11 b (11 Mbps), Ch 1, 6, 11

Firmware Power setting: 16, 16, 18

Power= 15.5dBm (0.0355W), 15.6dBm (0.0363W), 16.6dBm (0.0457W)

Modulation: 802.11 g (54Mpbs) Ch 1, 6, 11

Firmware Power setting: 16, 18, 13

Power = 15.6 dBm(0.0363 W), 17.5dBm (0.0562W), 12.6dBm (0.0182W)

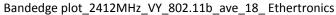
13°C, 58% Relative Humidity

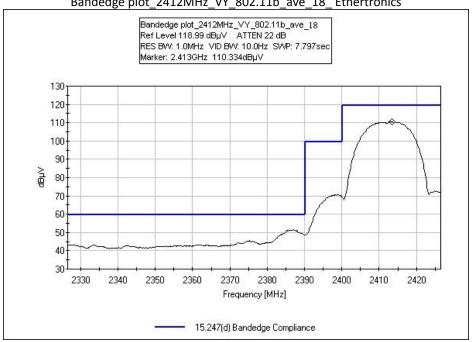
Engineer Name: E. Wong

Test Equipment						
Equipment	Serial	Cal Date	Cal Due	Asset		
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672		
Horn Antenna	6246	06/06/2008	06/06/2010	00849		
Microwave Pre-amp	3123A00281	07/28/2008	07/28/2010	00786		
Heliax Antenna Cable	P5565	09/04/2008	09/04/2010	P05565		
18-26GHz Horn	942126-003	11/12/2008	11/12/2010	01413		
2'-40GHz cable	NA	09/14/2009	09/14/2011	P02947		

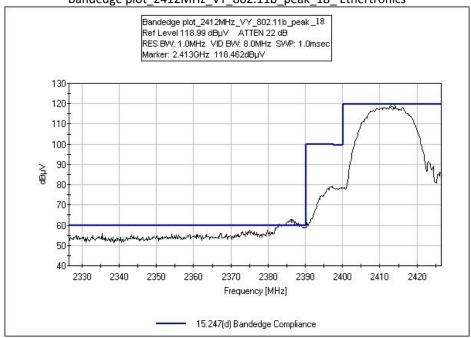


Test Plots



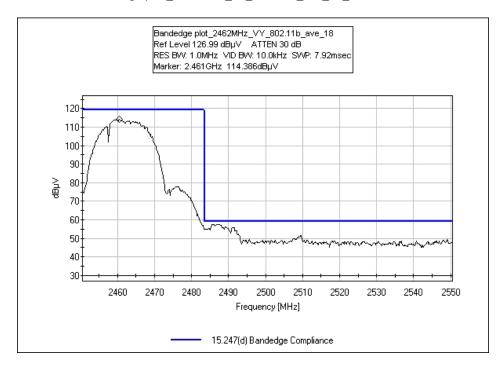


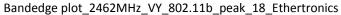
Bandedge plot_2412MHz_VY_802.11b_peak_18_ Ethertronics

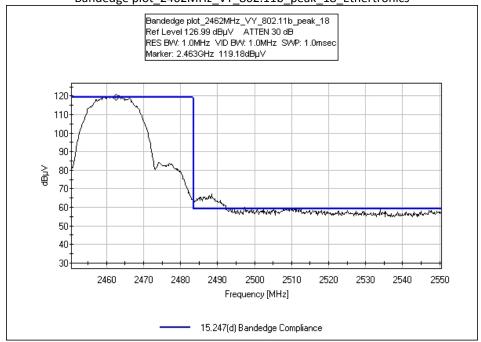




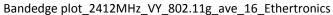
Bandedge plot_2462MHz_VY_802.11b_ave_18_ Ethertronics

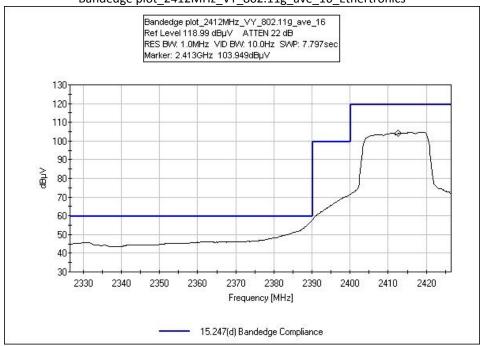


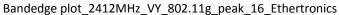


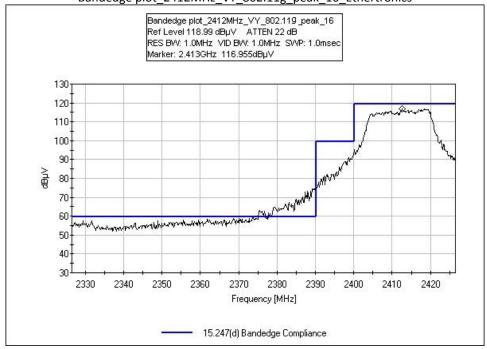






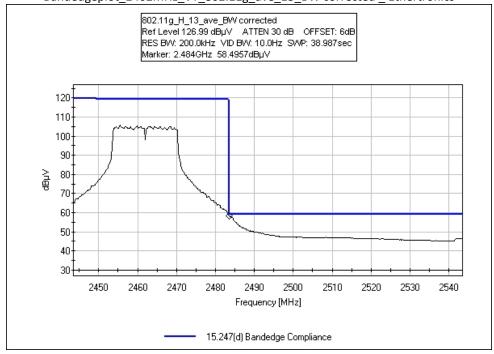




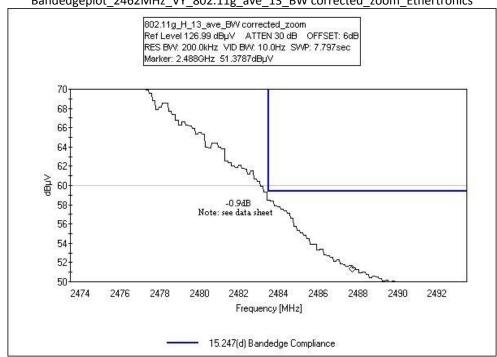




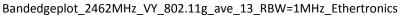
Bandedgeplot_2462MHz_VY_802.11g_ave_13_BW corrected _ Ethertronics

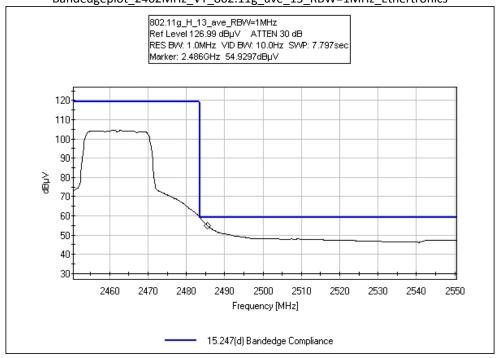


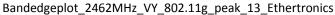
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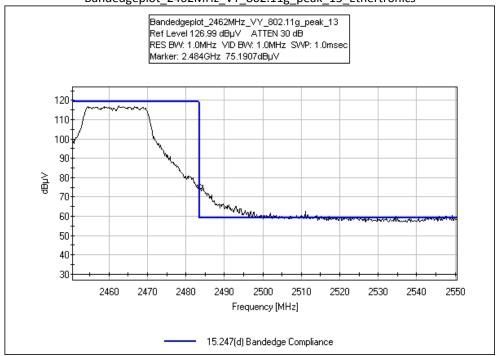




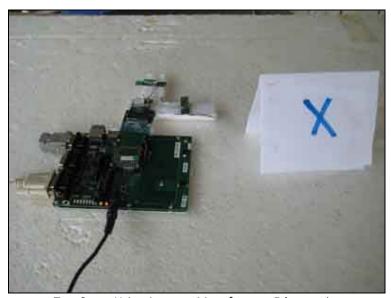




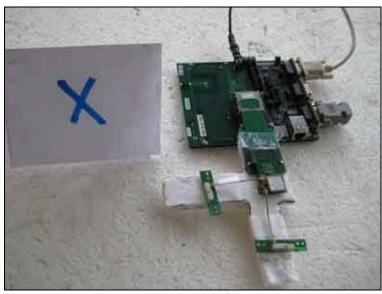






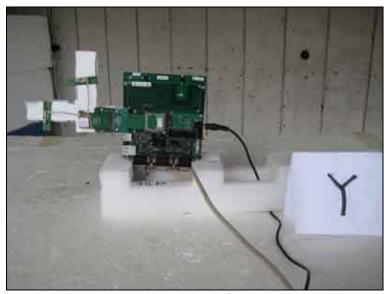


Test Setup Using Antenna Manufacture: Ethertronics

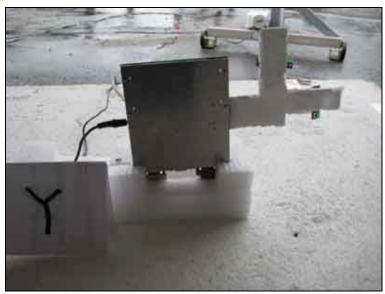


Test Setup Using Antenna Manufacture: Ethertronics





Test Setup Using Antenna Manufacture: Ethertronics



Test Setup Using Antenna Manufacture: Ethertronics





Test Setup Using Antenna Manufacture: Ethertronics

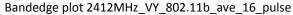


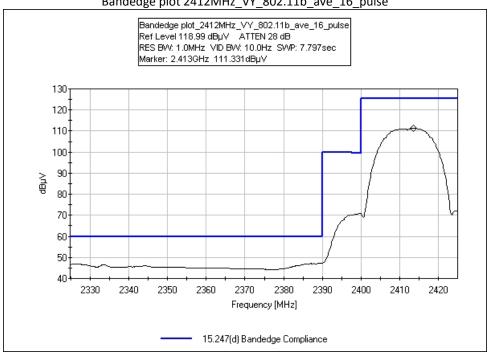
Test Setup Using Antenna Manufacture: Ethertronics



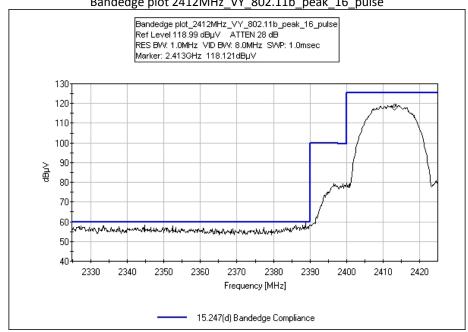
Band Edge Additional Testing 2/26/2010

Test Data



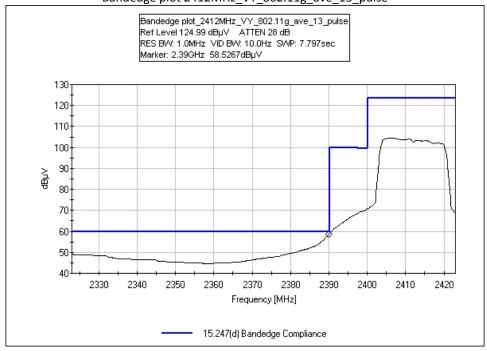


Bandedge plot 2412MHz_VY_802.11b_peak_16_pulse

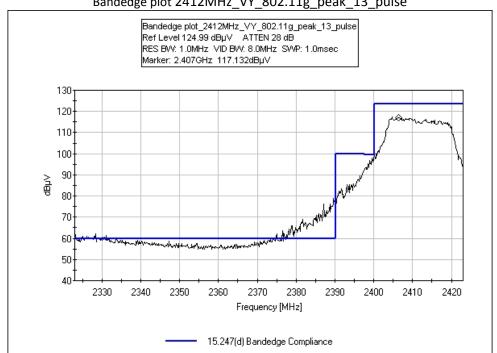




Bandedge plot 2412MHz_VY_802.11g_ave_13_pulse

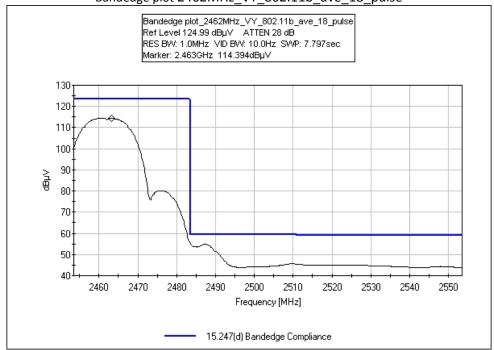


Bandedge plot 2412MHz_VY_802.11g_peak_13_pulse

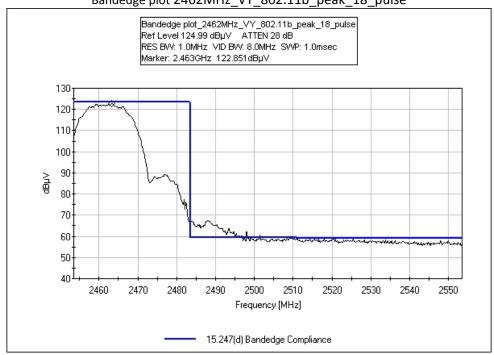




Bandedge plot 2462MHz_VY_802.11b_ave_18_pulse

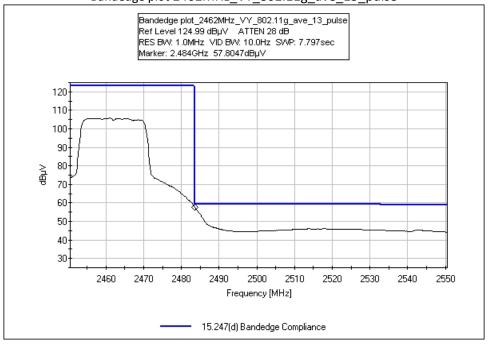


Bandedge plot 2462MHz_VY_802.11b_peak_18_pulse

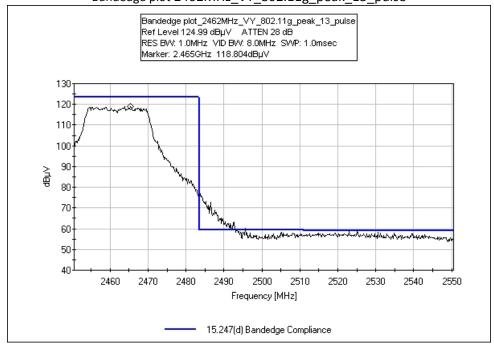




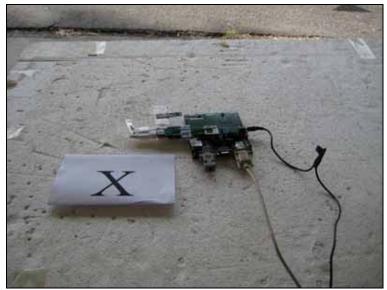
Bandedge plot 2462MHz_VY_802.11g_ave_13_pulse



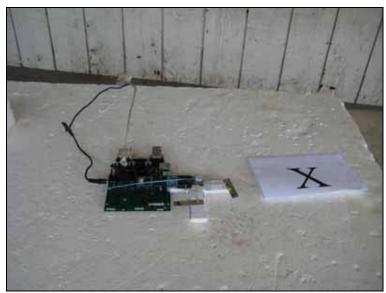






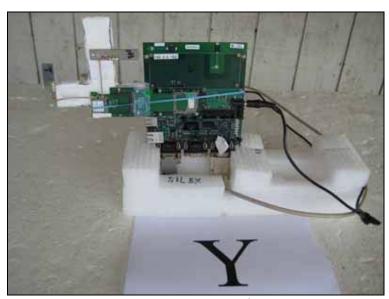


Test Setup Using Antenna Manufacture: Pulse

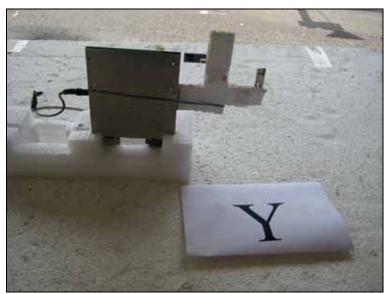


Test Setup Using Antenna Manufacture: Pulse



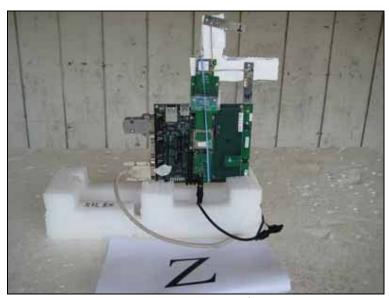


Test Setup Using Antenna Manufacture: Pulse

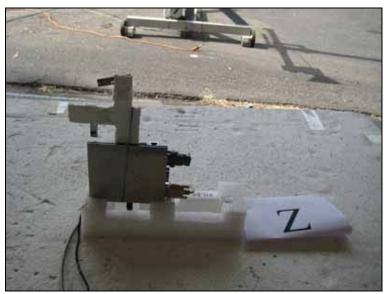


Test Setup Using Antenna Manufacture: Pulse





Test Setup Using Antenna Manufacture: Pulse



Test Setup Using Antenna Manufacture: Pulse



99% Bandwidth / RSS-210

<u>Test Setup:</u> The EUT is placed on the test bench. The device is set in continuous transmit mode, the emission profile is measured at the antenna port

<u>Test Conditions:</u> Freq: 2.412-2462MHz Tx Frequency: 2412 MHz, 2437MHz, 2462MHz Modulation: 802.11 b (11 Mbps), Ch 1, 6, 11

Firmware Power setting: 16, 16, 18

Power= 15.5dBm (0.0355W), 15.6dBm (0.0363W), 16.6dBm (0.0457W)

Modulation: 802.11 g (54Mpbs) Ch 1, 6, 11

Firmware Power setting: 16, 18, 13

Power = 15.6 dBm(0.0363 W), 17.5dBm (0.0562W), 12.6dBm (0.0182W)

13°C, 58% Relative Humidity

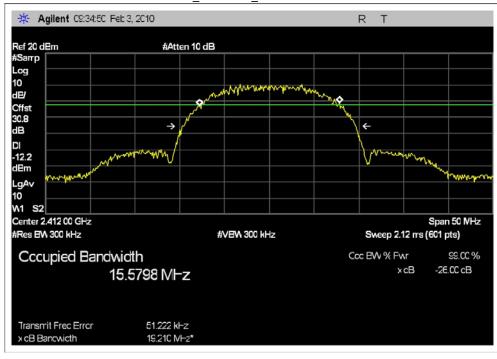
Engineer Name: E. Wong

Test Equipment						
Equipment Serial Cal Date Cal Due Asset						
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672		
3'-40GHz cable	NA	09/14/2009	09/14/2011	P02946		



Test Data

802.11b 2412MHz 99%BW=15.6MHz

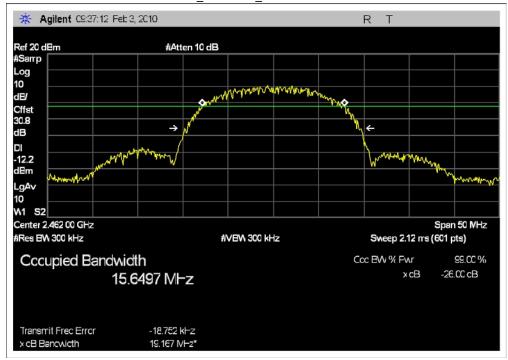


802.11b 2437MHz 99%BW=15.6MHz

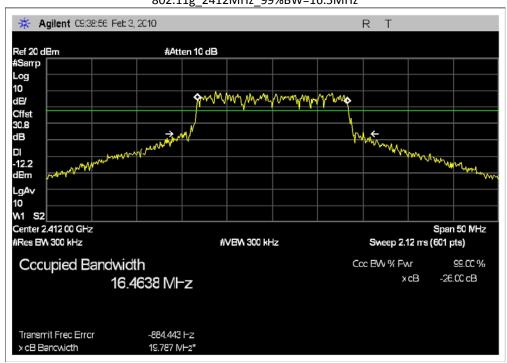




802.11b 2462MHz 99%BW=15.7MHz

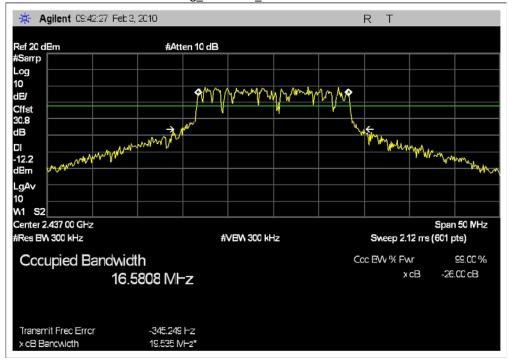


802.11g_2412MHz_99%BW=16.5MHz

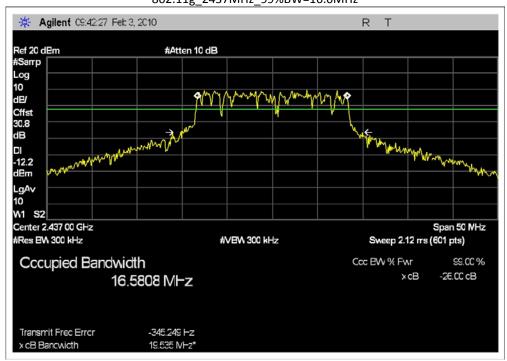




802.11g_2462MHz_99%BW=16.5MHz



802.11g_2437MHz_99%BW=16.6MHz







Test Setup Using Antenna Manufacture: Ethertronics



SUPPLEMENTAL INFORMATION

Measurement Uncertainty

Uncertainty Value	Parameter
4.73 dB	Radiated Emissions
3.34 dB	Mains Conducted Emissions
3.30 dB	Disturbance Power

The reported measurement uncertainties are calculated based on the worst case of all laboratory environments from CKC Laboratories, Inc. test sites. Only those parameters which require estimation of measurement uncertainty are reported. The reported worst case measurement uncertainty is less than the maximum values derived in CISPR 16-4-2. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k=2. Compliance is deemed to occur provided measurements are below the specified limits.

Emissions Test Details

TESTING PARAMETERS

The cables were routed consistent with the typical application by varying the configuration of the test sample. Interface cables were connected to the available ports of the test unit. The effect of varying the position of the cables was investigated to find the configuration that produced maximum emissions. Cables were of the type and length specified in the individual requirements. The length of cable that produced maximum emissions was selected.

The equipment under test (EUT) was set up in a manner that represented its normal use, as shown in the setup photographs. Any special conditions required for the EUT to operate normally are identified in the comments that accompany the emissions tables.

The emissions data was taken with a spectrum analyzer or receiver. Incorporating the applicable correction factors for distance, antenna, cable loss and amplifier gain, the data was reduced as shown in the table below. The corrected data was then compared to the applicable emission limits. Preliminary and final measurements were taken in order to ensure that all emissions from the EUT were found and maximized.

CORRECTION FACTORS

The basic spectrum analyzer reading was converted using correction factors as shown in the highest emissions readings in the tables. For radiated emissions in $dB\mu V/m$, the spectrum analyzer reading in $dB\mu V$ was corrected by using the following formula. This reading was then compared to the applicable specification limit.

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SAMPLE CALCULATIONS				
	Meter reading	(dBμV)		
+	Antenna Factor	(dB)		
+	Cable Loss	(dB)		
-	Distance Correction	(dB)		
-	Preamplifier Gain	(dB)		
=	Corrected Reading	(dBµV/m)		

TEST INSTRUMENTATION AND ANALYZER SETTINGS

The test instrumentation and equipment listed were used to collect the emissions data. A spectrum analyzer or receiver was used for all measurements. The following table shows the measuring equipment bandwidth settings that were used in designated frequency bands. For testing emissions, an appropriate reference level and a vertical scale size of 10 dB per division were used. When conducted emissions testing was performed, a 10 dB external attenuator was used with internal offset correction in the analyzer.

MEASURING EQUIPMENT BANDWIDTH SETTINGS PER FREQUENCY RANGE					
TEST	BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING		
CONDUCTED EMISSIONS	150 kHz	30 MHz	9 kHz		
RADIATED EMISSIONS	30 MHz	1000 MHz	120 kHz		
RADIATED EMISSIONS	1000 MHz	>1 GHz	1 MHz		

SPECTRUM ANALYZER/RECEIVER DETECTOR FUNCTIONS

The notes that accompany the measurements contained in the emissions tables indicate the type of detector function used to obtain the given readings. Unless otherwise noted, all readings were made in the "Peak" mode. Whenever a "Quasi-Peak" or "Average" reading is listed as one of the highest readings, this is indicated as a "QP" or an "Ave" on the appropriate rows of the data sheets. The following paragraphs describe in more detail the detector functions and when they were used to obtain the emissions data.

Peak

In this mode, the spectrum analyzer/receiver readings recorded all emissions at their peak value as the frequency band selected was scanned. By combining this function with another feature of the measuring device called "peak hold," the measuring device had the ability to measure transients or low duty cycle transient emission peak levels. In this mode the measuring device made a slow scan across the frequency band selected and measured the peak emission value found at each frequency across the band.

Quasi-Peak

When the true peak values exceeded or were within 2 dB of the specification limit, quasi-peak measurements were taken using the quasi-peak detector.

<u>Average</u>

For certain frequencies, average measurements may be made using the spectrum analyzer/receiver. To make these measurements, the test engineer reduces the video bandwidth on the measuring device until the modulation of the signal is filtered out. At this point the measuring device is set into the linear mode and the scan time is reduced.

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