849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com



Test Report

Product Name: WLAN AND BLUE TOOTH

FCC ID: KBCIX100XA555WLBT

Applicant:

ITRONIX

P.O. BOX 179 SPOKANE WASHINGTON 99210

Date Receipt: MARCH 26, 2004

Date Tested: APRIL 15, 2004

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

TABLE OF CONTENTS

TEST REPORT CONTAINING:

PAGE	1	LETTE	R OF	EXP	LANATION
PAGE	2	.LIST	OF TE	ST	EQUIPMENT
PAGE	3	.TEST	PROCE	DUR	ES

DSSS EMISSIONS

PAGE 4POWERLINE CONDUCTED INTERFERENCE
PAGE 5OCCUPIED BANDWIDTH AND POWER OUTPUT
PAGE 66 dB BANDWIDTH PLOT
PAGE 7 SPURIOUS EMISSIONS AT ANTENNA TERMINALS DATA &
METHOD OF MEASURING RF CONDUCTED
PAGE 8RADIATION INTERFERENCE TEST DATA
PAGE 9METHOD OF MEASURING RADIATED SPURIOUS EMISSIONS
PAGE 10-12RADIATED SPURIOUS EMISSIONS INTO ADJACENT
RESTRICTED BANDS
PAGE 13POWER SPECTRAL DENSITY
PAGE 14POWER SPECTRAL DENSITY PLOT

FHSS EMISSIONS

PAGE	15COVER PAGE FOR FHSS
PAGE	16POWERLINE CONDUCTED INTERFERENCE
PAGE	17NUMBER OF HOPPING CHANNELS
PAGE	18DWELL TIME
PAGE	19OCCUPIED BANDWIDTH
PAGE	20POWER OUTPUT
PAGE	21 SPURIOUS EMISSIONS AT ANTENNA TERMINALS &
	METHOD OF MEASURING COND. SPURIOUS EMISSIONS
PAGE	22FIELD STRENGTH OF SPURIOUS EMISSIONS
PAGE	23METHOD OF MEASURING RADIATED SPURIOUS EMISSIONS

EXHIBITS INCLUDED:

REQUEST FOR CONFIDENTIALITY LETTER BLOCK DIAGRAM SCHEMATICS USERS MANUAL LABEL SAMPLE LABEL LOCATION EXTERNAL PHOTOGRAPHS INTERNAL PHOTOGRAPHS OPERATIONAL DESCRIPTION TEST SET UP PHOTOGRAPHS

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

APRIL 15, 2004

Federal Communications Commission Authorization and Evaluation Division 7435 Oakland Mills Road Columbia, MD 21046

SUBJECT: ITRONIX

FCC ID: KBCIX100XA555WLBT

To Whom It May Concern:

The attached application is for a hand held computing device that employs both wireless lan (802.11) and a blue tooth device.

The unit employs internal antennas. One for blue tooth and a separate antenna for the wireless lan. The wireless lan antenna has a gain of -4 dBi and the blue tooth antenna has a gain of +2.4 dBi.

Should you have any questions or require any further information with regards to this, please feel free to contact me.

Sincerely,

Mario R. de Aranzeta C.E.T.

MRD/sh Encl.

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

EMC Equipment List

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date
3-Meter OATS	TEI	N/A	N/A	Listed 1/13/03	1/13/06
Biconnical Antenna	Eaton	94455-1	1057	CAL 3/18/03	3/18/05
Biconnical Antenna	Eaton	94455-1	1096	CAL 10/1/01	10/1/03
Double-Ridged Horn Antenna	Electro- Metrics	RGA-180	2319	CAL 2/17/03	2/17/05
LISN	Electro- Metrics	ANS-25/2	2604	CAL 10/9/01	10/9/03
LISN	Electro- Metrics	EM-7820	2682	CAL 3/12/03	3/12/05
Log-Periodic Antenna	Eaton	96005	1243	CAL 5/8/03	5/8/05
Log-Periodic Antenna	Electro- Metrics	EM-6950	632	CHAR 10/15/01	10/15/03
Log-Periodic Antenna	Electro- Metrics	LPA-25	1122	CAL 10/2/01	10/2/03
Log-Periodic Antenna	Electro- Metrics	LPA-30	409	CAL 3/4/03	3/4/05
Peak Power Meter	HP	8900C	2131A00545	CAL 7/2/03	7/2/05
Power Meter	HP	432A	1141A07655	CAL 4/15/03	4/15/05
Silver Tower Preamplifier	HP	8449B	3008A01075	CHAR 1/28/02	1/28/04
Silver Tower Quasi-Peak Adapter	HP	85650A	3303A01844	CAL 10/14/02	10/14/04
Silver Tower RF Preselector	HP	85685A	2620A00294	CAL 10/14/02	10/14/04
Silver Tower Spectrum Analyzer	HP	8566B Opt 462	3552A22064 3638A08608	CAL 10/14/02	10/14/04
Tan Tower Preamplifier	HP	8449B-H02	3008A00372	CHAR 3/4/01	3/4/03
Tan Tower Quasi-Peak Adapter	HP	85650A	3303A01690	CAL 8/31/01	8/31/03
Tan Tower RF Preselector	HP	85685A	3221A01400	CAL 8/31/01	8/31/03
Tan Tower Spectrum Analyzer	HP	8566B Opt 462	3138A07786 3144A20661	CAL 8/31/01	8/31/03
Harmonic Mixer	HP	11970K	3003A04991	N/A	N/A
HORN	SYSTRON DONNOR	DBE-520-20	N/A	N/A	N/A

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

TEST PROCEDURE

GENERAL: This report shall NOT be reproduced except in full without the written approval of TIMCO ENGINEERING, INC.

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-1992 using a 50uH LISN. Both lines were observed with the UUT transmitting. The bandwidth of the spectrum analyzer was 10kHz with an appropriate sweep speed. The ambient temperature of the UUT was 76°F with a humidity of 55%.

BANDWIDTH 6.0dB: The measurements were made with the spectrum analyzer's resolution bandwidth (RBW)=1.0MHz and the video bandwidth (VBW) =3.0MHz and the span set as shown on plot.

POWER OUTPUT: The RF power output was measured at the antenna feed point using a peak power meter.

ANTENNA CONDUCTED EMISSIONS: The RBW=100 kHz, VBW=300 kHz and the span set to 10.0MHz and the spectrum was scanned from 30MHz to the 10^{th} Harmonic of the fundamental. Above 1.0GHz the resolution bandwidth was 1.0MHz and the VBW = 3.0MHz and the span to 50MHz.

RADIATION INTERFERENCE: The test procedure used was ANSI STANDARD C63.4-1992 using a HEWLETT PACKARD spectrum analyzer with a pre-selector. The bandwidth (RBW) of the spectrum analyzer was 100kHz up to 1GHz and 1.0MHz above 1GHz with an appropriate sweep speed. The VBW above 1.0GHz was = 3.0MHz. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The ambient temperature of the UUT was 76°F with a humidity of 55%.

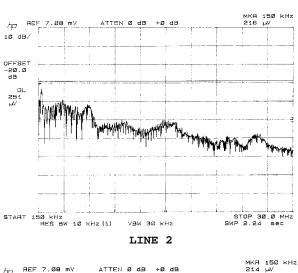
849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

ITRONIX

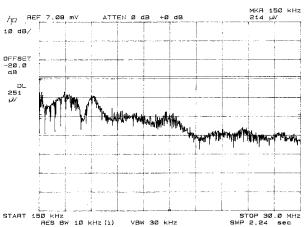
APPLICANT:

FCC ID:	KBCIX100XA555WLBT			
NAME OF TEST:	POWER LINE CONDUCTED INTERFERENCE			
RULES PART NO.:	15.207			
REQUIREMENTS:	.15 - 0.5 MHz 0.5 - 5.0 5.0 - 30.	QUASI-PEAK 66-56 dBuV 56 60	AVERAGE 56-46 dBuV 46 50	
TEST PROCEDURE:	ANSI STANDARD	C63.4-1992.	The spectrum was	

ANSI STANDARD C63.4-1992. The spectrum was scanned from .15 to 30 MHz.



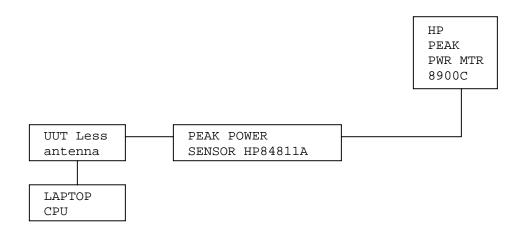
TEST DATA (LINE 1):



TEST RESULTS: Both lines were observed. The measurements indicate that the unit DOES appear to meet the FCC requirements for this class of equipment.

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

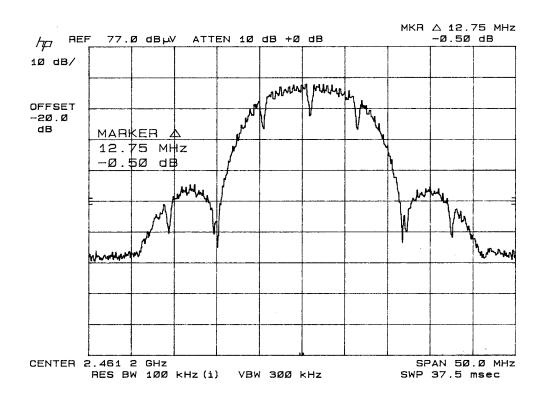
APPLICANT:	ITRONIX
FCC ID:	KBCIX100XA555WLBT
NAME OF TEST:	6.0dB BANDWIDTH
RULES PART NO.:	15.247(a)(2)
REQUIREMENTS:	The 6.0dB bandwidth must be greater than 500 kHz.
MEASUREMENT DATA:	See the following plots
NAME OF TEST:	POWER OUTPUT
RULES PART NO.:	15.247(b) 1.0Watt or +30dBm
MEASUREMENT:	14 dBm
15.247(c)	Method of Measuring RF Power output: The Peak power was connected in place of the antenna.



3 channels were measured and the worst case is reported here

APPLICANT: ITRONIX FCC ID: KBCIX100XA555WLBT REPORT #: I\ITRONIX\423AUT4\423AUT4TestReport.doc Sensor

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com



6 dB BANDWIDTH

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

NAME OF TEST:	SPURIOUS EMISSIONS AT ANTENNA TERMINALS
REQUIREMENTS:	Emissions must be at least 20dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW.

TEST DATA:

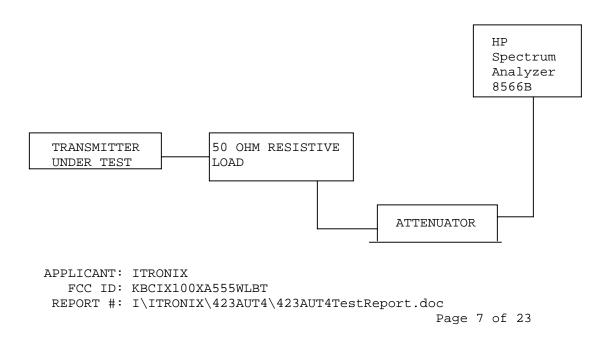
TF	EF	dB below carrier	TF	EF	dB below carrier
2412	2412	0	2437	2437	0.0
	4824	76		4874	75.6
	7236	89		7311	89.6
	7648	98		9748	92.8
TF	EF	dB below carrier			
2462	2462	0.0			
	4924	76.7			
	7386	87.9			
	9848	100.0			
	1715.8	72.3			
	1693	81.9			
	1980	81.8			
	2309	72.4			
	2611.9	72.3			

NOTE: THE SPECTRUM WAS SCANNED TO THE TENTH HARMONIC.

72.8

2753

15.247(c) Method of Measuring RF Conducted Spurious Emissions



849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

15.247(c), 15.205 &15.209(b) Field_strength_of_spurious_emissions:

REQUIREMENTS:

-		
FIELD STRENGTH	FIELD STRENGTH	S15.209
of Fundamental:	of Harmonics	30 - 88 MHz 40 dBuV/m @3M
902-928MHz		88 -216 MHz 43.5
2.4-2.4835GHz	127.37dBuV/m	216 -960 MHz 46
	54 dBuV/m @3m	ABOVE 960 MHz 54dBuV/m

EMISSIONS RADIATED OUTSIDE OF THE SPECIFIED FREQUENCY BANDS, EXCEPT FOR HARMONICS, SHALL BE ATTENUATED BY AT LEAST 50 dB BELOW THE LEVEL OF THE FUNDAMENTAL OR TO THE GENERAL RADIATED EMISSION LIMITS IN 15.209, WHICHEVER IS THE LESSER ATTENUATION.

REQUIREMENTS FOR EMISSIONS THAT FALL IN A RESTRICTED BAND:

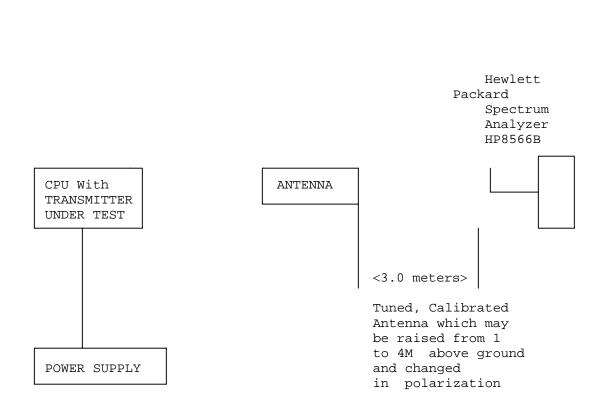
FIELD STREN	GTH LIMITS	FOR PEAK	READINGS:	74 dBuV/m
FIELD STREN	IGTH LIMITS	FOR AVER	AGE READINGS:	54 dBuV/m

TEST DATA:

Tuned	Emission	Meter	Ant.	Coax	Correction	Field	Margin
Frequency	Frequency	Reading	Polarity	Loss	Factor	Strength	dB
MHz	MHz	dBuV		dB	dB	dBuV/m	
2,412.0	2,412.00	72.8	н	1.91	29.26	103.97	23.40
2,412.0	4,824.00R	14.8	н	2.65	34.14	51.59AV	2.41
2,412.0	4,824.00R	27.2	н	2.65	34.14	63.99PK	10.01
2,437.0	2,321.00	0.8	н	1.86	29.11	31.77	22.23
2,437.0	2,321.00	12.0	н	1.86	29.11	42.97	11.03
2,437.0	2,437.00	67.9	v	1.92	29.31	99.13	28.24
2,437.0	2,437.00	71.5	н	1.92	29.30	102.72	24.65
2,437.0	4,873.00R	7.3	v	2.66	34.19	44.15AV	9.85
2,437.0	4,873.00R	10.0	н	2.66	34.29	46.95AV	7.05
2,437.0	4,873.00R	18.1	v	2.66	34.19	54.95PK	19.05
2,437.0	4,873.00R	22.2	н	2.66	34.29	59.15PK	14.85
2,462.0	2,462.00	72.3	н	1.93	29.34	103.57	23.80
2,462.0	4,924.00R	11.8	н	2.68	34.46	48.94AV	5.06
2,462.0	4,924.00R	25.1	н	2.68	34.46	62.24PK	11.76
2,462.0 2,462.0	2,462.00 4,924.00R	72.3 11.8	H H	1.93 2.68	29.34 34.46	103.57 48.94AV	23.80 5.06

Harmonics were checked through the $10^{\rm th}$ harmonic

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com



Method of Measuring Radiated Spurious Emissions

Equipment placed 80cm above ground on a rotatable platform.

METHOD OF MEASUREMENT: The procedure used was ANSI STANDARD C63.4-1992 & the FCC/OET Guidance on Measurements for Direct Sequence Spread Spectrum Systems - Public Notice 54797 Dated July 12, 1995. Measurements were made at the open field test site of TIMCO ENGINEERING INC. located at 849 N.W. State Road 45, Newberry, FL 32669.

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

APPLICANT:	ITRONIX

FCC ID: KBCIX100XA555WLBT

NAME OF TEST: RADIATED SPURIOUS EMISSIONS INTO ADJACENT RESTRICTED BAND

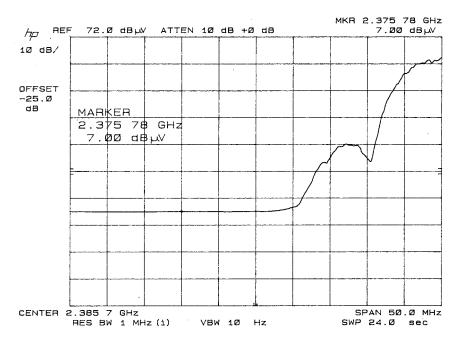
REQUIREMENTS: Emissions that fall in the restricted bands (15.205). These emissions must be less than or equal to 500 uV/m (54 dBuV/m).

TEST PROCEDURE: An in band field strength measurement of the fundamental Emission using the RBW and detector function required by C63.4-2000 and FCC Rules. The procedure was repeated with an average detector and a plot made. The calculated field strength in the adjacent restricted band is presented below.

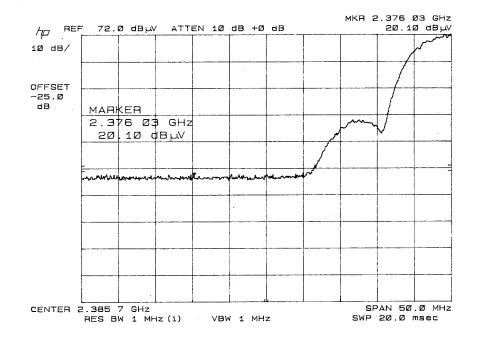
CHANNEL 11 FREQUENCY: 2483.00 MHz + 7.70 dBuV from plot +34.14 dB ACF + 2.65 dB Coax Loss +44.49 dBuV
Peak
CHANNEL 11 FREQUENCY: 2483.00 MHz +20.30 dBuV from plot +34.14 dB ACF + 2.65 dB Coax Loss +57.09 dBuV

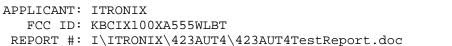
849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: <u>tei@timcoengr.com</u>

AVERAGE



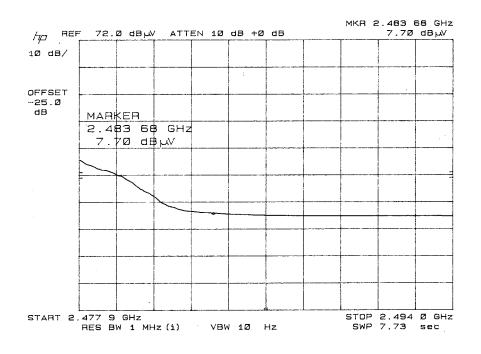




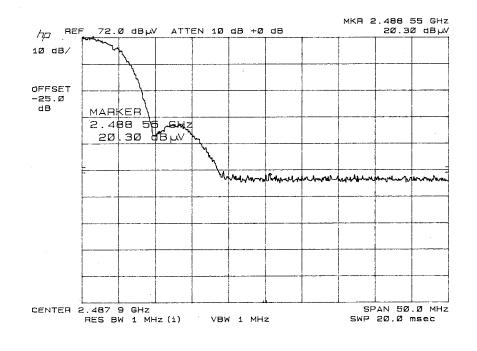


849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

AVERAGE







849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

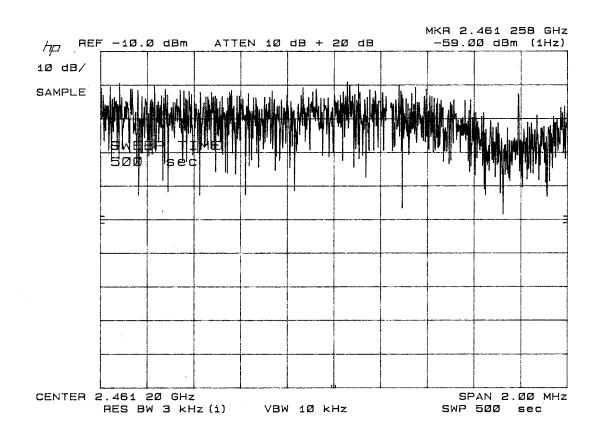
APPLICANT:	ITRONIX					
FCC ID:	KBCIX100XA555WLBT					
NAME OF TEST:	POWER SPECTRAL DENSITY					
RULES PART NO.:	15.247(d)					
REQUIREMENTS:	The peak level measured must be no greater than +8.0dBm.					
DATA:	SEE THE FOLLOWING PLOTS					

-59	dBm	from plot				
+35	dB	Correction	Factor	to	1	Hz

-24 dBm

3 channels were measured and the worst case is reported here

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com



POWER SPECTRAL DENSITY PLOT

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

> ITRONIX P.O. BOX 179 SPOKANKE, WASHINGTON 99210

FCC ID: KBCIX100XA555WLBT

FHSS EMISSIONS (BLUETOOTH)

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

APPLICANT: ITR

FCC ID: KBCIX100XA555WLBT

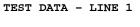
NAME OF TEST: POWER LINE CONDUCTED INTERFERENCE

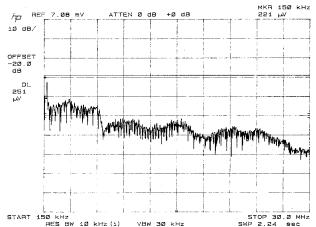
RULES PART NO.: 15.207

REQUIREMENTS:		QUASI-PEAK	AVERAGE
	.15 - 0.5 MHz	66-56 dBuV	56-46 dBuV
	0.5 - 5.0	56	46
	5.0 - 30.	60	50

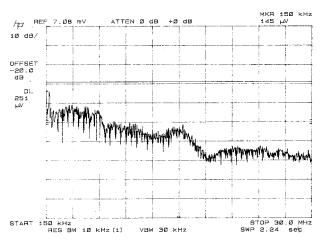
TEST PROCEDURE:

ANSI STANDARD C63.4-1992. The spectrum was scanned from .15 to 30 MHz.









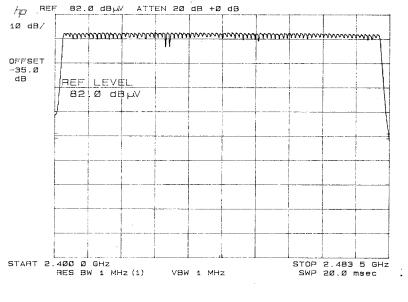
TEST RESULTS: Both lines were observed. The measurements indicate that the unit DOES appear to meet the FCC requirements for this class of equipment.

APPLICANT: ITRONIX FCC ID: KBCIX100XA555WLBT REPORT #: I\ITRONIX\423AUT4\423AUT4TestReport.doc

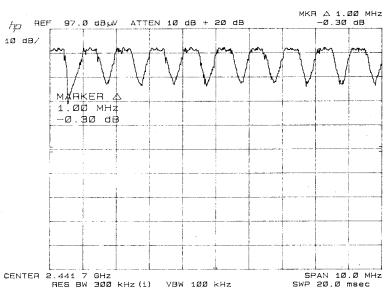
Page 16 of 23

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

15.247(a)(1): Number of Hopping Channels: The number of hops is 79 hops at a separation of 1 MHz, the requirement in the 2400 - 2483.5 MHz band is a minimum of 75 hops.



NUMBER OF CHANNELS

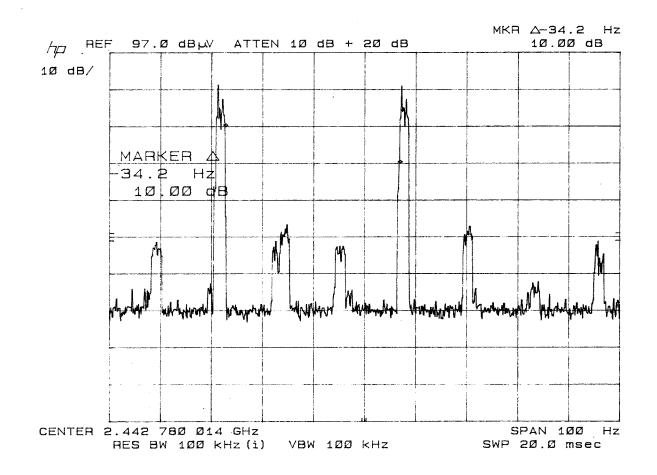


CARRIER FREQUENCY

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

15.247(a)(1)(i): **Dwell Time of Hop:**

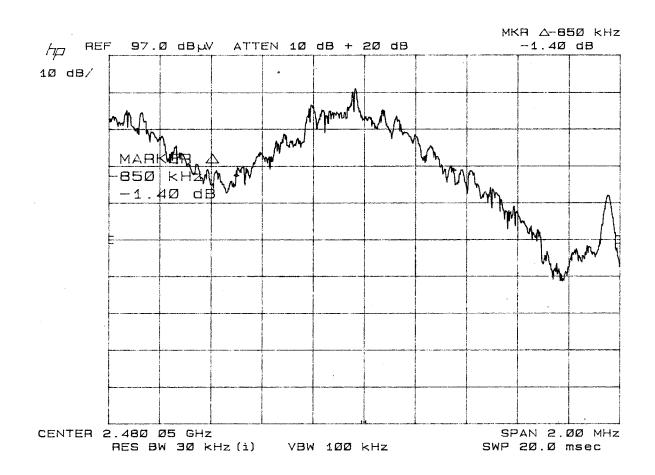
The swell time of any hopping frequency cannot be greater than 0.4 seconds in any 20 second period. The dwell time in 20 seconds is 2.98 mseconds.



849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

15.247(b)(3): The antenna's gain is a negative number. This is described in the circuit description.

15.247(a)(1)(i): The maximum allowed 20 dB bandwidth of a hopping channel is 500 kHz. The 20 dB bandwidth measured was 850 kHz.



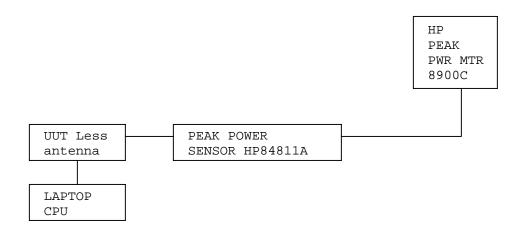
849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

NAME	OF	TEST:	POWER	OUTPUT
TAVELLE.	OF.	1001.	FONDIC	OUIFUI

RULES PART NO.: 15.247(b) 1.0 Watt or +30 dBm 250 mW or 24 dBm for 24 dBi Gain Ant

MEASUREMENT: 3.5 dBm

15.247(c) Method of Measuring RF Power output: The Peak power Sensor was connected in place of the antenna.



3 channels were measured and the worst case is reported here

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

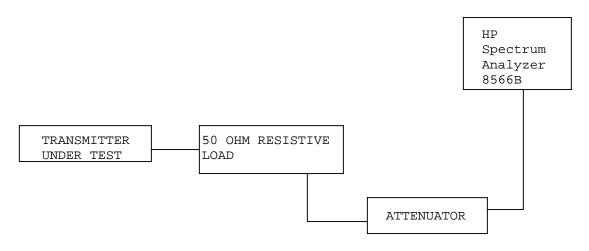
NAME OF TEST:	SPURIOUS EMISSIONS AT ANTENNA TERMINALS
REQUIREMENTS:	Emissions must be at least 20dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW.

TEST DATA:

TF	EF	dB below carrier	TF	EF	dB below carrier
2402	2402	0.0	2441	2441	0.0
	2251	81.1		2288	81.1
	2274	77.5		4882	61.7
	2306	76.7		7323	63.6
	2326	72.6			
	4804	59.4			
	7206	64.7			
TF	EF	dB below carrier			
2479	2479	0.0			
	2324	73.2			
	2556.6	71.2			
	4958	58.8			
	7437	107.7			
	4804	58.7			

15.247(c)

Method of Measuring RF Conducted Spurious Emissions



NOTE: THE SPECTRUM WAS SCANNED TO THE TENTH HARMONIC

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com

15.247(c), 15.205 &15.209(b) Field strength of spurious emissions:

REQUIREMENTS:

FIELD STRENGTH	FIELD STRENGTH	S15.209
of Fundamental:	of Harmonics	30 - 88 MHz 40 dBuV/m @3M
902-928MHz		88 -216 MHz 43.5
2.4-2.4835GHz	127.37dBuV/m	216 -960 MHz 46
127.38dBuV/m @3m	54 dBuV/m @3m	ABOVE 960 MHz 54dBuV/m

EMISSIONS RADIATED OUTSIDE OF THE SPECIFIED FREQUENCY BANDS, EXCEPT FOR HARMONICS, SHALL BE ATTENUATED BY AT LEAST 50 dB BELOW THE LEVEL OF THE FUNDAMENTAL OR TO THE GENERAL RADIATED EMISSION LIMITS IN 15.209, WHICHEVER IS THE LESSER ATTENUATION.

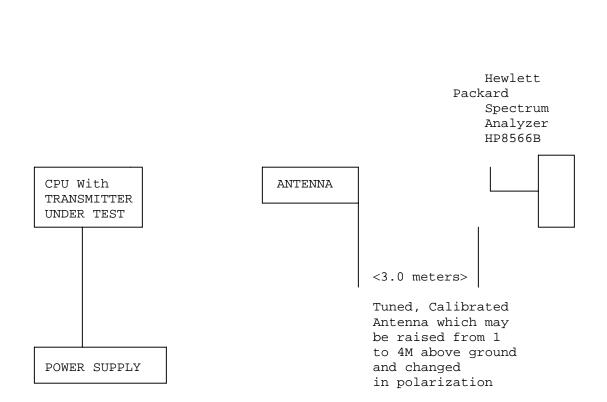
REQUIREMENTS: Emissions that fall in the restricted bands (15.205) must be less than 54dBuV/m otherwise the spurious and harmonics must be attenuated by at least 20dB.

TEST DATA:

Tuned	Emission	Meter	Ant.	Coax	Correction	Field	Margin
Frequency	Frequency	Reading	Polarity	Loss	Factor	Strength	dB
MHz	MHz	dBuV		dB	dB	dBuV/m	
2,402.0	2,402.00	59.8	v	1.86	29.26	90.92	36.45
2,402.0	4,804.00R	10.3	v	2.64	33.97	46.91AV	7.09
2,441.0	2,322.00R	6.3	v	1.83	29.15	37.28AV	16.72
2,441.0	2,340.00R	6.3	v	1.84	29.18	37.32AV	16.68
2,441.0	2,441.00	63.0	v	1.88	29.32	94.20	33.17
2,441.0	2,543.00	6.8	v	1.92	29.49	38.21	15.79
2,441.0	2,603.00	10.2	v	1.94	29.63	41.77	12.23
2,441.0	2,724.60R	14.2	v	1.99	29.89	46.08AV	7.92
2,441.0	2,724.60R	27.0	v	1.99	29.89	58.88PK	15.12
2,441.0	2,730.00R	13.5	v	1.99	29.91	45.40AV	8.60
2,441.0	2,730.00R	28.5	v	1.99	29.91	60.40PK	13.60
2,441.0	2,735.00R	11.9	v	1.99	29.92	43.81AV	10.19
2,441.0	2,735.00R	24.8	v	1.99	29.92	56.71PK	17.29
2,441.0	4,882.00R	11.8	v	2.66	34.22	48.68AV	5.32
2,479.0	2,479.00	59.3	v	1.89	29.37	90.56	36.81
2,479.0	2,725.00R	11.3	v	1.99	29.90	43.19AV	10.81
2,479.0	2,725.00R	25.5	v	1.99	29.90	57.39PK	16.61
2,479.0	2,729.60R	13.2	v	1.99	29.91	45.10AV	8.90
2,479.0	2,729.60R	26.9	v	1.99	29.91	58.80PK	15.20
2,479.0	2,734.70R	11.3	v	1.99	29.92	43.21AV	10.79
2,479.0	2,734.70R	17.8	v	1.99	29.92	49.71PK	24.29
2,479.0	4,958.00R	12.5	v	2.69	34.47	49.66AV	4.34
2,543.0	2,340.00R	6.8	v	1.84	29.18	37.82AV	16.18

Harmonics were checked through the $10^{\rm th}\ {\rm harmonic}$

849 NW State Road 45 Newberry, Florida 32669 http://www.timcoengr.com 888.472.2424 F 352.472.2030 email: tei@timcoengr.com



Method of Measuring Radiated Spurious Emissions

Equipment placed 80cm above ground on a rotatable platform.

METHOD OF MEASUREMENT: The procedure used was ANSI STANDARD C63.4-1992 & the FCC/OET Guidance on Measurements for Direct Sequence Spread Spectrum Systems - Public Notice 54797 Dated July 12, 1995. Measurements were made at the open field test site of TIMCO ENGINEERING INC. located at 849 N.W. State Road 45, Newberry, FL 32669.