

COMPLIANCE CERTIFICATION SERVICES, INC.

Radiated Emissions
15.205

7/9/01
Hue
A-site (1.0 Meter)

UTILICOM

fo=2450MHz(MID) CH 25 @ Power Output: 0X80
with ANDREW Antenna (24 dBi)

F(MHz)	READING		AF	CL	AMP	DIST	DC	HPF	TOTAL		LIMIT		MARGIN	
	(dBuV)		(dB)	(dB)	(dB)	(dB)		(dB)	(dBuV/m)		(dBuV/m)		(dB)	
	Pk	Avg	-	-	-	-	-	-	Pk	Avg	Pk	Avg	Pk	Avg
4900V	75.2	62.5	32.9	4.8	41.76	9.5	6	1	56.64	43.94	74	54	-17.4	-10.1
4900H	75.6	63.4	32.9	4.8	41.76	9.5	6	1	57.04	44.84	74	54	-17	-9.16
7350V	58.6	46	36.5	5.7	41.43	9.5	6	1	44.87	32.27	74	54	-29.1	-21.7
7350H	61.2	50.6	36.5	5.7	41.43	9.5	6	1	47.47	36.87	74	54	-26.5	-17.1
9800*	41.2	33	37.7	6.9	39.3	9.5	6	1	32	23.8	74	54	-42	-30.2
12250*	45.4	34	39.2	7.5	40.4	9.5	6	1	37.2	25.8	74	54	-36.8	-28.2
14700*	50.4	38.4	40	9	44.2	9.5	6	1	40.7	28.7	74	54	-33.3	-25.3
17150*	49.5	41.7	44.4	9.5	44.03	9.5	6	1	44.87	37.07	74	54	-29.1	-16.9
19600*	52.9	41.5	32.1	9.9	43	9.5	6	1	37.4	26	74	54	-36.6	-28
22050*	55	43.6	32.5	11.85	43.2	9.5	6	1	41.65	30.25	74	54	-32.4	-23.8
24500*	54.3	43.6	32.5	12.6	43.95	9.5	6	1	40.95	30.25	74	54	-33.1	-23.8

* Measured noise floor (worse case vertical)
NOTE: MEASURED HORIZONTAL (H) AND VERTICAL (V)
DC: Duty Cycle = 50% (6 dB)
DIST: Correction to extrapolate reading to 3m specification distance
1.0M measurement distance= -9.5dB
SPECTRUM ANALYZER: HP 8593EM
ANTENNA: EMCO, 3115, S/N:9001-3245 & ARA, MWH-1826/B, S/N:1013
PRE-AMP: HP 8449B, S/N:3710A00205
CL: Cable loss (15ft)
HPF: FSY High pass filter insertion loss (4.57GHz; S/N:003)

COMPLIANCE CERTIFICATION SERVICES, INC.

Radiated Emissions

15.205

7/9/01

Hue

A-site (1.0 Meter)

UTILICOM

fo=2462MHz(HIGH) CH 31 @ Power Output: 0XAF

with ANDREW Antenna (24 dBi)

F(MHz)	READING		AF	CL	AMP	DIST	DC	HPF	TOTAL		LIMIT		MARGIN	
	(dBuV)		(dB)	(dB)	(dB)	(dB)		(dB)	(dBuV/m)		(dBuV/m)		(dB)	
	<u>Pk</u>	<u>Avg</u>	-	-	-	-	-	-	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>
4924V	72.9	59.6	32.9	4.8	41.76	9.5	6	1	54.34	41.04	74	54	-19.7	-13
4924H	73.3	59.8	32.9	4.8	41.76	9.5	6	1	54.74	41.24	74	54	-19.3	-12.8
7386V	46.3	32.1	36.5	5.7	41.43	9.5	6	1	32.57	18.37	74	54	-41.4	-35.6
7386H	47.6	32.2	36.5	5.7	41.43	9.5	6	1	33.87	18.47	74	54	-40.1	-35.5
9848*	41.2	33	37.7	6.9	39.3	9.5	6	1	32	23.8	74	54	-42	-30.2
12310*	45.4	34	39.2	7.5	40.4	9.5	6	1	37.2	25.8	74	54	-36.8	-28.2
14772*	50.4	38.4	40	9	44.2	9.5	6	1	40.7	28.7	74	54	-33.3	-25.3
17234*	49.5	41.7	44.4	9.5	44.03	9.5	6	1	44.87	37.07	74	54	-29.1	-16.9
19696*	52.9	41.5	32.1	9.9	43	9.5	6	1	37.4	26	74	54	-36.6	-28
22158*	55	43.6	32.5	11.85	43.2	9.5	6	1	41.65	30.25	74	54	-32.4	-23.8
24620*	54.3	43.6	32.5	12.6	43.95	9.5	6	1	40.95	30.25	74	54	-33.1	-23.8

*** Measured noise floor (worse case vertical)**

NOTE: MEASURED HORIZONTAL (H) AND VERTICAL (V)

DC: Duty Cycle = 50% (6 dB)

DIST: Correction to extrapolate reading to 3m specification distance

1.0M measurement distance= **-9.5dB**

SPECTRUM ANALYZER: HP 8593EM

ANTENNA: EMCO, 3115, S/N:9001-3245 & ARA, MWH-1826/B, S/N:1013

PRE-AMP: HP 8449B, S/N:3710A00205

CL: Cable loss (15ft)

HPF: FSJ High pass filter insertion loss (4.57GHz; S/N:003)

COMPLIANCE CERTIFICATION SERVICES, INC.

Radiated Emissions

15.205

7/9/01

Hue

A-site (1.0 Meter)

UTILICOM

fo=2462MHz(HIGH) CH 31 @ Power Output:

0X80

with MAXRAD Antenna (9 dBi)

F(MHz)	READING		AF	CL	AMP	DIST	DC	HPF	TOTAL		LIMIT		MARGIN	
	(dBuV)		(dB)	(dB)	(dB)	(dB)		(dB)	(dBuV/m)		(dBuV/m)		(dB)	
	<u>Pk</u>	<u>Avg</u>	-	-	-	-	-	-	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>
4924V	58.2	48.6	32.9	4.8	41.76	9.5	6	1	39.64	30.04	74	54	-34.4	-24
4924H	62	51.5	32.9	4.8	41.76	9.5	6	1	43.44	32.94	74	54	-30.6	-21.1
7386V	47.8	38	36.5	5.7	41.43	9.5	6	1	34.07	24.27	74	54	-39.9	-29.7
7386H	56.3	45.4	36.5	5.7	41.43	9.5	6	1	42.57	31.67	74	54	-31.4	-22.3
9848*	41.2	33	37.7	6.9	39.3	9.5	6	1	32	23.8	74	54	-42	-30.2
12310*	45.4	34	39.2	7.5	40.4	9.5	6	1	37.2	25.8	74	54	-36.8	-28.2
14772*	50.4	38.4	40	9	44.2	9.5	6	1	40.7	28.7	74	54	-33.3	-25.3
17234*	49.5	41.7	44.4	9.5	44.03	9.5	6	1	44.87	37.07	74	54	-29.1	-16.9
19696*	52.9	41.5	32.1	9.9	43	9.5	6	1	37.4	26	74	54	-36.6	-28
22158*	55	43.6	32.5	11.85	43.2	9.5	6	1	41.65	30.25	74	54	-32.4	-23.8
24620*	54.3	43.6	32.5	12.6	43.95	9.5	6	1	40.95	30.25	74	54	-33.1	-23.8

*** Measured noise floor (worse case vertical)**

NOTE: MEASURED HORIZONTAL (H) AND VERTICAL (V)

DC: Duty Cycle = 50% (6 dB)

DIST: Correction to extrapolate reading to 3m specification distance

1.0M measurement distance= **-9.5dB**

SPECTRUM ANALYZER: HP 8593EM

ANTENNA: EMCO, 3115, S/N:9001-3245 & ARA, MWH-1826/B, S/N:1013

PRE-AMP: HP 8449B, S/N:3710A00205

CL: Cable loss (15ft)

HPF: FSJ High pass filter insertion loss (4.57GHz; S/N:003)

COMPLIANCE CERTIFICATION SERVICES, INC.

Radiated Emissions

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7/9/01

Hue

A-site (1.0 Meter)

UTILICOM

fo=2450MHz(MID) CH 25 @ Power Output: 0X80**with MAXRAD Antenna (9 dBi)**

F(MHz)	READING		AF	CL	AMP	DIST	DC	HPF	TOTAL		LIMIT		MARGIN	
	(dBuV)		(dB)	(dB)	(dB)	(dB)		(dB)	(dBuV/m)		(dBuV/m)		(dB)	
	<u>Pk</u>	<u>Avg</u>	-	-	-	-	-	-	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>
4900V	67.7	55.2	32.9	4.8	41.76	9.5	6	1	49.14	36.64	74	54	-24.9	-17.4
4900H	76.3	64	32.9	4.8	41.76	9.5	6	1	57.74	45.44	74	54	-16.3	-8.56
7350V	58.8	48.2	36.5	5.7	41.43	9.5	6	1	45.07	34.47	74	54	-28.9	-19.5
7350H	60.9	50.2	36.5	5.7	41.43	9.5	6	1	47.17	36.47	74	54	-26.8	-17.5
9800*	41.2	33	37.7	6.9	39.3	9.5	6	1	32	23.8	74	54	-42	-30.2
12250*	45.4	34	39.2	7.5	40.4	9.5	6	1	37.2	25.8	74	54	-36.8	-28.2
14700*	50.4	38.4	40	9	44.2	9.5	6	1	40.7	28.7	74	54	-33.3	-25.3
17150*	49.5	41.7	44.4	9.5	44.03	9.5	6	1	44.87	37.07	74	54	-29.1	-16.9
19600*	52.9	41.5	32.1	9.9	43	9.5	6	1	37.4	26	74	54	-36.6	-28
22050*	55	43.6	32.5	11.85	43.2	9.5	6	1	41.65	30.25	74	54	-32.4	-23.8
24500*	54.3	43.6	32.5	12.6	43.95	9.5	6	1	40.95	30.25	74	54	-33.1	-23.8

*** Measured noise floor (worse case vertical)****NOTE: MEASURED HORIZONTAL (H) AND VERTICAL (V)****DC:** Duty Cycle = 50% (6 dB)**DIST:** Correction to extrapolate reading to 3m specification distance1.0M measurement distance= **-9.5dB****SPECTRUM ANALYZER:** HP 8593EM**ANTENNA:** EMCO, 3115, S/N:9001-3245 & ARA, MWH-1826/B, S/N:1013**PRE-AMP:** HP 8449B, S/N:3710A00205**CL:** Cable loss (15ft)**HPF:** FSJ High pass filter insertion loss (4.57GHz; S/N:003)

COMPLIANCE CERTIFICATION SERVICES, INC.

Radiated Emissions

15.205

7/9/01

Hue

A-site (1.0 Meter)

UTILICOM

fo=2412MHz(LOW) CH 6 @ Power Output: 0X80**with MAXRAD Antenna (9 dBi)**

F(MHz)	READING		AF	CL	AMP	DIST	DC	HPF	TOTAL		LIMIT		MARGIN	
	(dBuV)		(dB)	(dB)	(dB)	(dB)		(dB)	(dBuV/m)		(dBuV/m)		(dB)	
	<u>Pk</u>	<u>Avg</u>	-	-	-	-	-	-	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>
4824V	61.3	51.8	32.9	4.8	41.76	9.5	6	1	42.74	33.24	74	54	-31.3	-20.8
4824H	66.5	58.2	32.9	4.8	41.76	9.5	6	1	47.94	39.64	74	54	-26.1	-14.4
7236V	53.1	43.3	36.5	5.7	41.43	9.5	6	1	39.37	29.57	74	54	-34.6	-24.4
7236H	51.7	41.5	36.5	5.7	41.43	9.5	6	1	37.97	27.77	74	54	-36	-26.2
9648*	41.2	33	37.7	6.9	39.3	9.5	6	1	32	23.8	74	54	-42	-30.2
12060*	45.4	34	39.2	7.5	40.4	9.5	6	1	37.2	25.8	74	54	-36.8	-28.2
14472*	50.4	38.4	40	9	44.2	9.5	6	1	40.7	28.7	74	54	-33.3	-25.3
16884*	49.5	41.7	44.4	9.5	44.03	9.5	6	1	44.87	37.07	74	54	-29.1	-16.9
19296*	52.9	41.5	32.1	9.9	43	9.5	6	1	37.4	26	74	54	-36.6	-28
21708*	55	43.6	32.5	11.85	43.2	9.5	6	1	41.65	30.25	74	54	-32.4	-23.8
24120*	54.3	43.6	32.5	12.6	43.95	9.5	6	1	40.95	30.25	74	54	-33.1	-23.8

*** Measured noise floor (worse case vertical)****NOTE: MEASURED HORIZONTAL (H) AND VERTICAL (V)****DC:** Duty Cycle = 50% (6 dB)**DIST:** Correction to extrapolate reading to 3m specification distance1.0M measurement distance= **-9.5dB****SPECTRUM ANALYZER:** HP 8593EM**ANTENNA:** EMCO, 3115, S/N:9001-3245 & ARA, MWH-1826/B, S/N:1013**PRE-AMP:** HP 8449B, S/N:3710A00205**CL:** Cable loss (15ft)**HPF:** FSJ High pass filter insertion loss (4.57GHz; S/N:003)

COMPLIANCE CERTIFICATION SERVICES, INC.

Radiated Emissions

15.205

7/9/01

Hue

A-site (1.0 Meter)

UTILICOM

fo=2462MHz(HIGH) CH 31 @ Power Output:

0X80

with PACIFIC WIRELESS Antenna (19 dBi)

F(MHz)	READING		AF	CL	AMP	DIST	DC	HPF	TOTAL		LIMIT		MARGIN	
	(dBuV)		(dB)	(dB)	(dB)	(dB)		(dB)	(dBuV/m)		(dBuV/m)		(dB)	
	<u>Pk</u>	<u>Avg</u>	-	-	-	-	-	-	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>
4924V	77.1	68	32.9	4.8	41.76	9.5	6	1	58.54	49.44	74	54	-15.5	-4.56
4924H	75.8	64.4	32.9	4.8	41.76	9.5	6	1	57.24	45.84	74	54	-16.8	-8.16
7386V	60.5	50.2	36.5	5.7	41.43	9.5	6	1	46.77	36.47	74	54	-27.2	-17.5
7386H	56.5	46.5	36.5	5.7	41.43	9.5	6	1	42.77	32.77	74	54	-31.2	-21.2
9848*	41.2	33	37.7	6.9	39.3	9.5	6	1	32	23.8	74	54	-42	-30.2
12310*	45.4	34	39.2	7.5	40.4	9.5	6	1	37.2	25.8	74	54	-36.8	-28.2
14772*	50.4	38.4	40	9	44.2	9.5	6	1	40.7	28.7	74	54	-33.3	-25.3
17234*	49.5	41.7	44.4	9.5	44.03	9.5	6	1	44.87	37.07	74	54	-29.1	-16.9
19696*	52.9	41.5	32.1	9.9	43	9.5	6	1	37.4	26	74	54	-36.6	-28
22158*	55	43.6	32.5	11.85	43.2	9.5	6	1	41.65	30.25	74	54	-32.4	-23.8
24620*	54.3	43.6	32.5	12.6	43.95	9.5	6	1	40.95	30.25	74	54	-33.1	-23.8

*** Measured noise floor (worse case vertical)**

NOTE: MEASURED HORIZONTAL (H) AND VERTICAL (V)

DC: Duty Cycle = 50% (6 dB)

DIST: Correction to extrapolate reading to 3m specification distance

1.0M measurement distance= **-9.5dB**

SPECTRUM ANALYZER: HP 8593EM

ANTENNA: EMCO, 3115, S/N:9001-3245 & ARA, MWH-1826/B, S/N:1013

PRE-AMP: HP 8449B, S/N:3710A00205

CL: Cable loss (15ft)

HPF: FSY High pass filter insertion loss (4.57GHz; S/N:003)

COMPLIANCE CERTIFICATION SERVICES, INC.

Radiated Emissions

15.205

7/9/01

Hue

A-site (1.0 Meter)

UTILICOM

fo=2450MHz(MID) CH 25 @ Power Output: 0X80**with PACIFIC WIRELESS Antenna (19 dBi)**

F(MHz)	READING		AF	CL	AMP	DIST	DC	HPF	TOTAL		LIMIT		MARGIN	
	(dBuV)		(dB)	(dB)	(dB)	(dB)		(dB)	(dBuV/m)		(dBuV/m)		(dB)	
	<u>Pk</u>	<u>Avg</u>	-	-	-	-	-	-	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>
4900V	76	64	32.9	4.8	41.76	9.5	6	1	57.44	45.44	74	54	-16.6	-8.56
4900H	75.6	63.7	32.9	4.8	41.76	9.5	6	1	57.04	45.14	74	54	-17	-8.86
7350V	60.8	49.6	36.5	5.7	41.43	9.5	6	1	47.07	35.87	74	54	-26.9	-18.1
7350H	63.3	52.3	36.5	5.7	41.43	9.5	6	1	49.57	38.57	74	54	-24.4	-15.4
9800*	41.2	33	37.7	6.9	39.3	9.5	6	1	32	23.8	74	54	-42	-30.2
12250*	45.4	34	39.2	7.5	40.4	9.5	6	1	37.2	25.8	74	54	-36.8	-28.2
14700*	50.4	38.4	40	9	44.2	9.5	6	1	40.7	28.7	74	54	-33.3	-25.3
17150*	49.5	41.7	44.4	9.5	44.03	9.5	6	1	44.87	37.07	74	54	-29.1	-16.9
19600*	52.9	41.5	32.1	9.9	43	9.5	6	1	37.4	26	74	54	-36.6	-28
22050*	55	43.6	32.5	11.85	43.2	9.5	6	1	41.65	30.25	74	54	-32.4	-23.8
24500*	54.3	43.6	32.5	12.6	43.95	9.5	6	1	40.95	30.25	74	54	-33.1	-23.8

*** Measured noise floor (worse case vertical)****NOTE: MEASURED HORIZONTAL (H) AND VERTICAL (V)****DC:** Duty Cycle = 50% (6 dB)**DIST:** Correction to extrapolate reading to 3m specification distance1.0M measurement distance= **-9.5dB****SPECTRUM ANALYZER:** HP 8593EM**ANTENNA:** EMCO, 3115, S/N:9001-3245 & ARA, MWH-1826/B, S/N:1013**PRE-AMP:** HP 8449B, S/N:3710A00205**CL:** Cable loss (15ft)**HPF:** FSY High pass filter insertion loss (4.57GHz; S/N:003)

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Radiated Emissions

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Hue

A-site (1.0 Meter)

UTILICOM

fo=2412MHz(LOW) CH 6 @ Power Output: 0X80**with PACIFIC WIRELESS Antenna (19 dBi)**

F(MHz)	READING		AF	CL	AMP	DIST	DC	HPF	TOTAL		LIMIT		MARGIN	
	(dBuV)		(dB)	(dB)	(dB)	(dB)		(dB)	(dBuV/m)		(dBuV/m)		(dB)	
	<u>Pk</u>	<u>Avg</u>	-	-	-	-	-	-	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>	<u>Pk</u>	<u>Avg</u>
4824V	67.6	58.9	32.9	4.8	41.76	9.5	6	1	49.04	40.34	74	54	-25	-13.7
4824H	67.8	59.6	32.9	4.8	41.76	9.5	6	1	49.24	41.04	74	54	-24.8	-13
7236V	57	46.6	36.5	5.7	41.43	9.5	6	1	43.27	32.87	74	54	-30.7	-21.1
7236H	51.6	42.2	36.5	5.7	41.43	9.5	6	1	37.87	28.47	74	54	-36.1	-25.5
9648*	41.2	33	37.7	6.9	39.3	9.5	6	1	32	23.8	74	54	-42	-30.2
12060*	45.4	34	39.2	7.5	40.4	9.5	6	1	37.2	25.8	74	54	-36.8	-28.2
14472*	50.4	38.4	40	9	44.2	9.5	6	1	40.7	28.7	74	54	-33.3	-25.3
16884*	49.5	41.7	44.4	9.5	44.03	9.5	6	1	44.87	37.07	74	54	-29.1	-16.9
19296*	52.9	41.5	32.1	9.9	43	9.5	6	1	37.4	26	74	54	-36.6	-28
21708*	55	43.6	32.5	11.85	43.2	9.5	6	1	41.65	30.25	74	54	-32.4	-23.8
24120*	54.3	43.6	32.5	12.6	43.95	9.5	6	1	40.95	30.25	74	54	-33.1	-23.8

*** Measured noise floor (worse case vertical)****NOTE: MEASURED HORIZONTAL (H) AND VERTICAL (V)****DC:** Duty Cycle = 50% (6 dB)**DIST:** Correction to extrapolate reading to 3m specification distance1.0M measurement distance= **-9.5dB****SPECTRUM ANALYZER:** HP 8593EM**ANTENNA:** EMCO, 3115, S/N:9001-3245 & ARA, MWH-1826/B, S/N:1013**PRE-AMP:** HP 8449B, S/N:3710A00205**CL:** Cable loss (15ft)**HPF:** FSJ High pass filter insertion loss (4.57GHz; S/N:003)



FCC, VCCI, CISPR, CE, AUSTEL,
UL, CSA, TUV, BSMI, DHHS, NVLAP

561F MONTEREY ROAD, SAN JOSE, CA 95037-
PHONE: (408) 463- FAX: (408) 463-0888

Project #:
Report #:
Date& Time:
Test Engr:

010822B1
08/22/01 2:32 PM
Jesse Saldivar

Company:
EUT Description:
Test Configuration :
Type of Test:
Mode of Operation:

Utilicom
FCC Id: LFO-WR2411
EUT: IT/Antenna/Notebook PC/Mouse
C 6 Worst Data Descending Emissions Class B
T

☐ A-Site ☒ B-Site ☐ C-Site ☐ F-Site

08/22/01

Freq. (MHz)	Reading (dBuV)	AF (dB)	Closs (dB)	Pre-amp (dB)	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Pol (H/V)	Az (Deg)	Height (Meter)
44MHz STEP:										
88.00	46.00	7.80	2.09	29.35	26.54	43.50	-16.96	3mH	180.00	1.50
220.00	50.50	10.88	3.45	28.81	36.01	46.00	-9.99	3mH	180.00	1.50
308.00	44.00	13.72	4.26	28.57	33.41	46.00	-12.59	3mH	270.00	1.00
352.00	47.80	14.90	4.61	28.76	38.56	46.00	-7.44	3mH	180.00	1.00
396.00	45.70	16.09	4.96	28.95	37.80	46.00	-8.20	3mH	180.00	1.00
528.00	43.20	18.11	5.97	29.35	37.93	46.00	-8.07	3mH	180.00	1.00
125.00	48.50	12.60	2.46	29.26	34.30	43.50	-9.20	3mH	180.00	1.00
275.00	50.90	13.00	3.96	28.59	39.27	46.00	-6.73	3mH	270.00	1.00
25MHz STEP:										
225.00	50.70	11.15	3.49	28.79	36.55	46.00	-9.45	3mV	270.00	1.00
270.00	47.50	12.90	3.91	28.60	35.71	46.00	-10.29	3mV	180.00	1.00
300.00	49.60	13.50	4.20	28.53	38.77	46.00	-7.23	3mV	90.00	1.00
375.00	51.00	15.53	4.79	28.86	42.46	46.00	-3.54	3mV	0.00	1.00
220.00	55.70	10.88	3.45	28.81	41.21	46.00	-4.79	3mV	180.00	1.00
200.00	55.20	9.80	3.27	28.93	39.34	43.50	-4.16	3mV	270.00	1.00
224.00	54.00	11.10	3.48	28.79	39.79	46.00	-6.21	3mH	180.00	1.00
TIGHTENED SCREWS ON CIRCUIT BOARD:										
250.00	58.00	12.50	3.71	28.64	45.57	46.00	-0.43	3mH	90.00	1.00
250.00	52.70	12.50	3.71	28.64	40.27	46.00	-5.73	3mV	180.00	1.00
375.00	49.70	15.53	4.79	28.86	41.16	46.00	-4.84	3mV	270.00	1.00
220.00	46.80	10.88	3.45	28.81	32.31	46.00	-13.69	3mV	180.00	1.00
264.00	47.00	12.78	3.85	28.61	35.02	46.00	-10.98	3mH	180.00	1.00
400.00	48.30	16.20	4.99	28.97	40.52	46.00	-5.48	3mH	90.00	1.00

V.2b