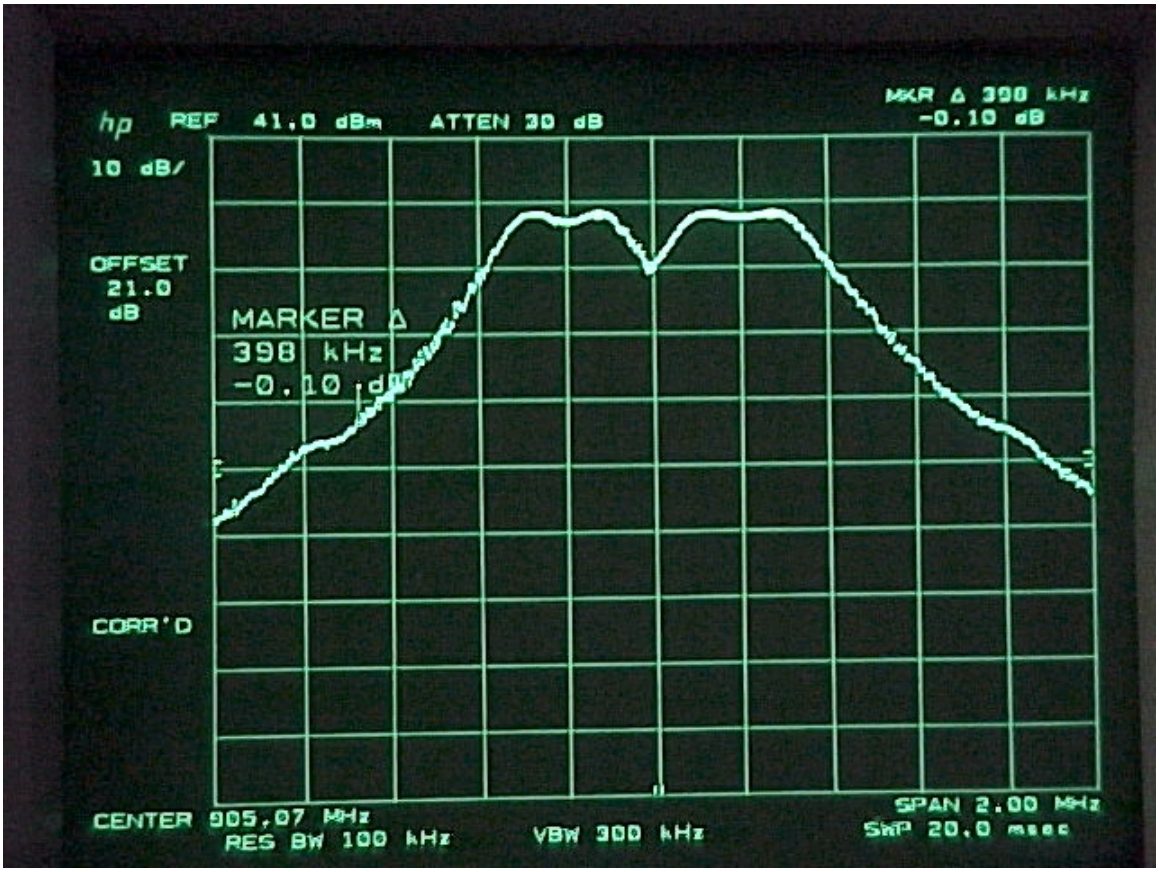
CHANNEL HOPPING SEPARATION

DATA SHEET



CHANNEL HOPPING SEPARATION

WASHINGTON STATE UNIVERSITY

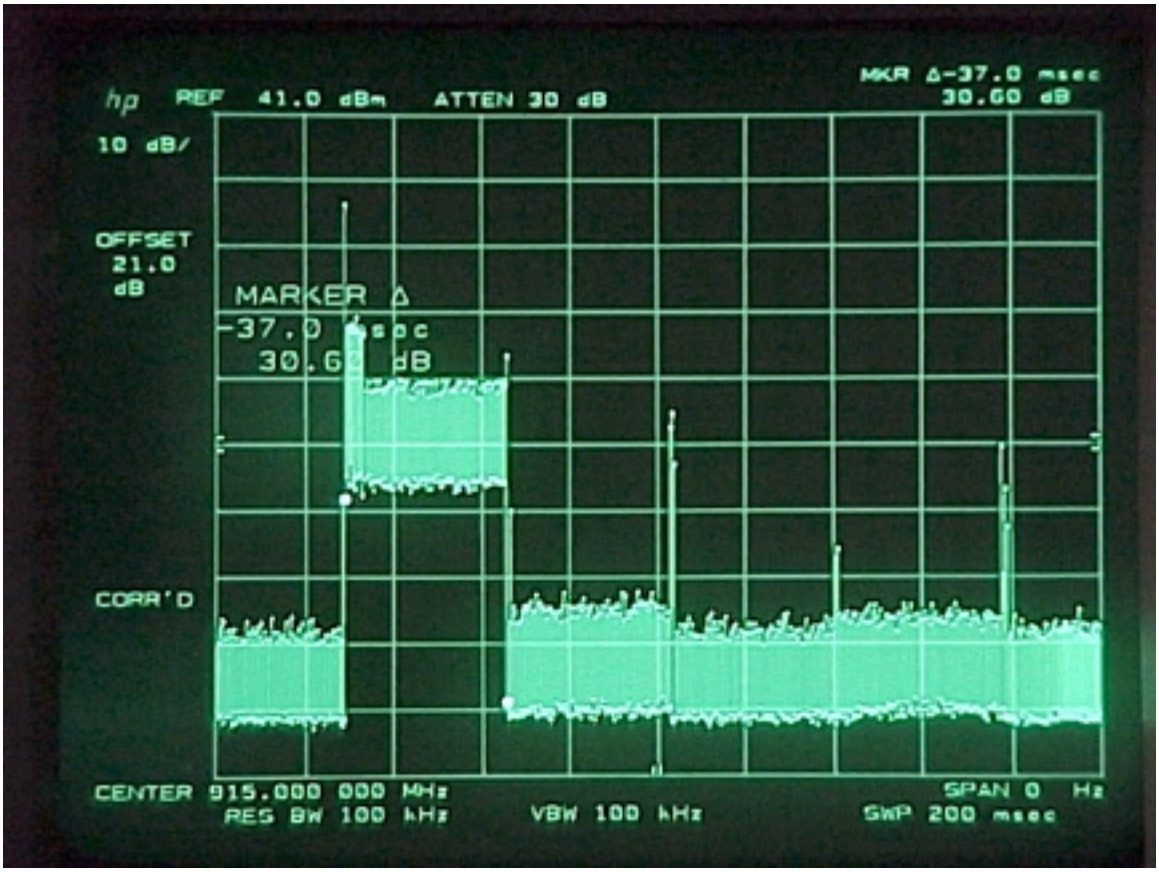
CPAS πECHONOLOGIES

MODEL: SS100

AVERAGE TIME OF OCCUPANCY

.

DATA SHEETS



AVERAGE TIME OF OCCUPANCY

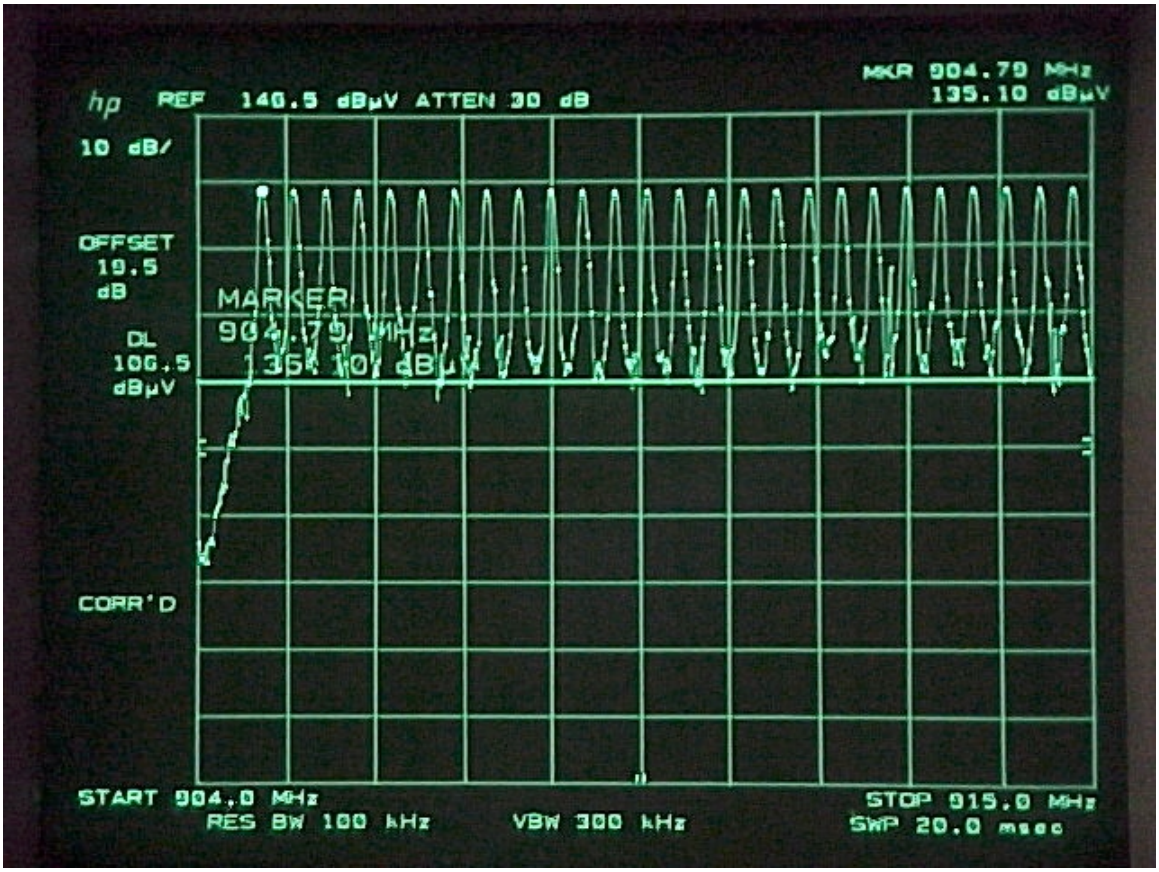
WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES

MODEL: SS100

NUMBER OF HOPPING FREQUENCIES

DATA SHEET

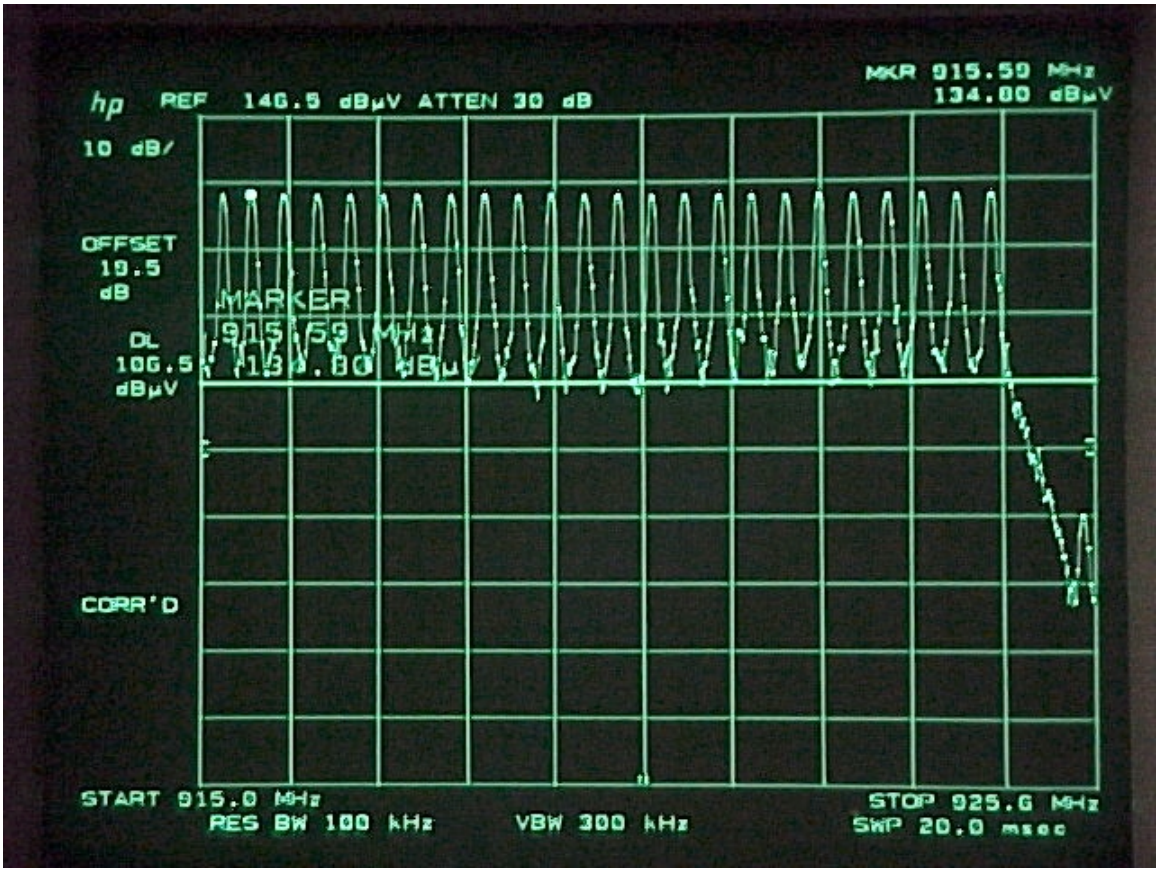


NUMBER OF HOPPING FREQUENCIES

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES

MODEL: SS100

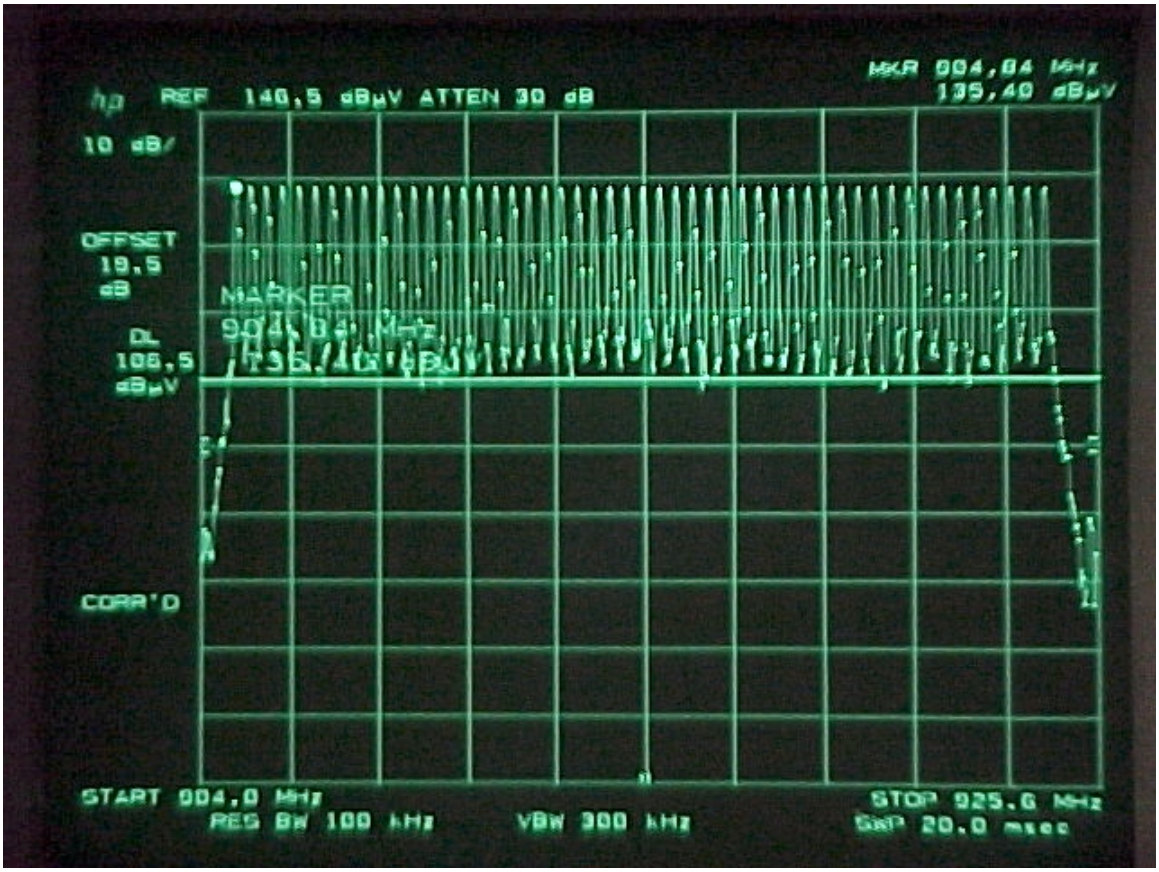


NUMBER OF HOPPING FREQUENCIES

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES

MODEL: SS100



NUMBER OF HOPPING FREQUENCIES

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES

MODEL: SS100

RF BAND EDGES

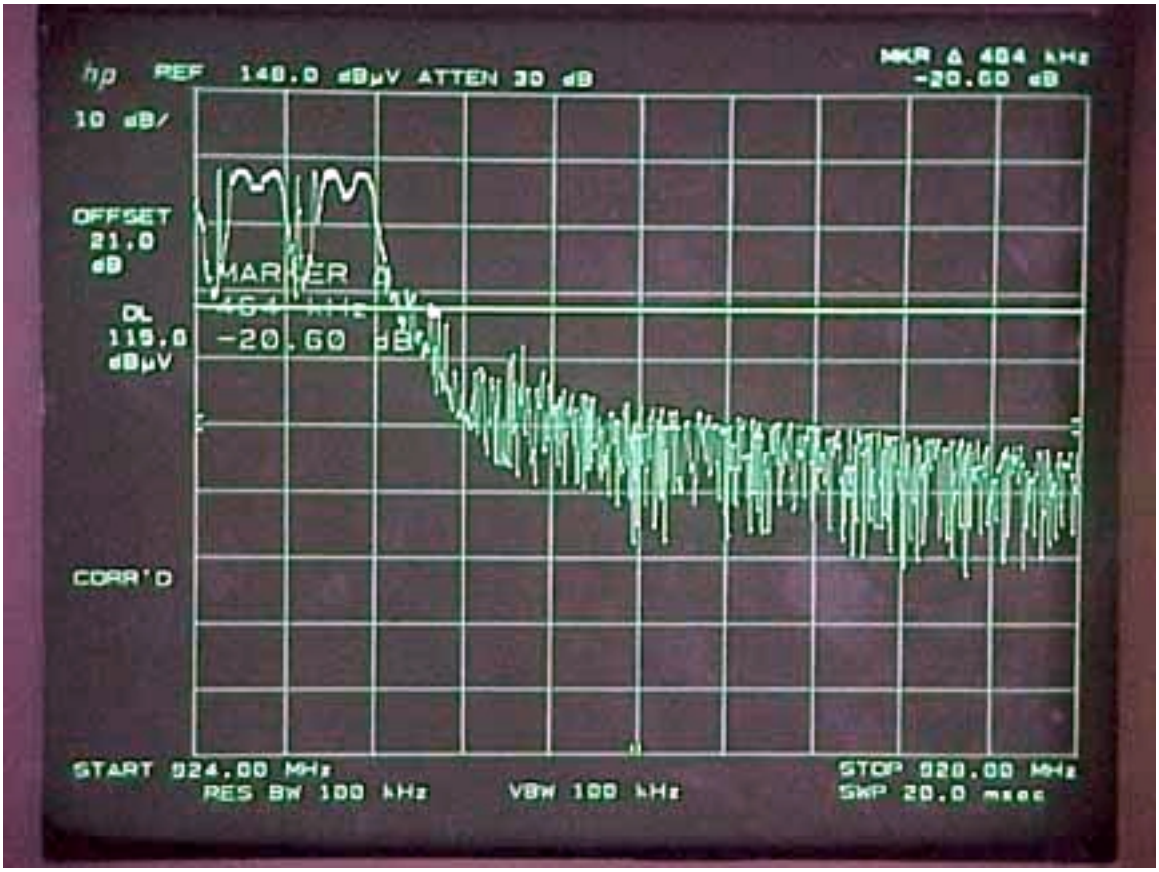
INFORMATION AND DATA SHEET

RF BAND EDGES

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES

MODEL: SS100



RF BAND EDGES

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES

MODEL: SS100

CONDUCTED EMISSION ON POWER LINE

EUT WITH AXH92RPSMT ANTENNA

PHOTOS AND DATA SHEET

FRONT VIEW

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES
MODEL: SS100 (with AXH92RPSMT Antenna)
FCC CLASS B - CONDUCTED EMISSIONS – 12-19-03

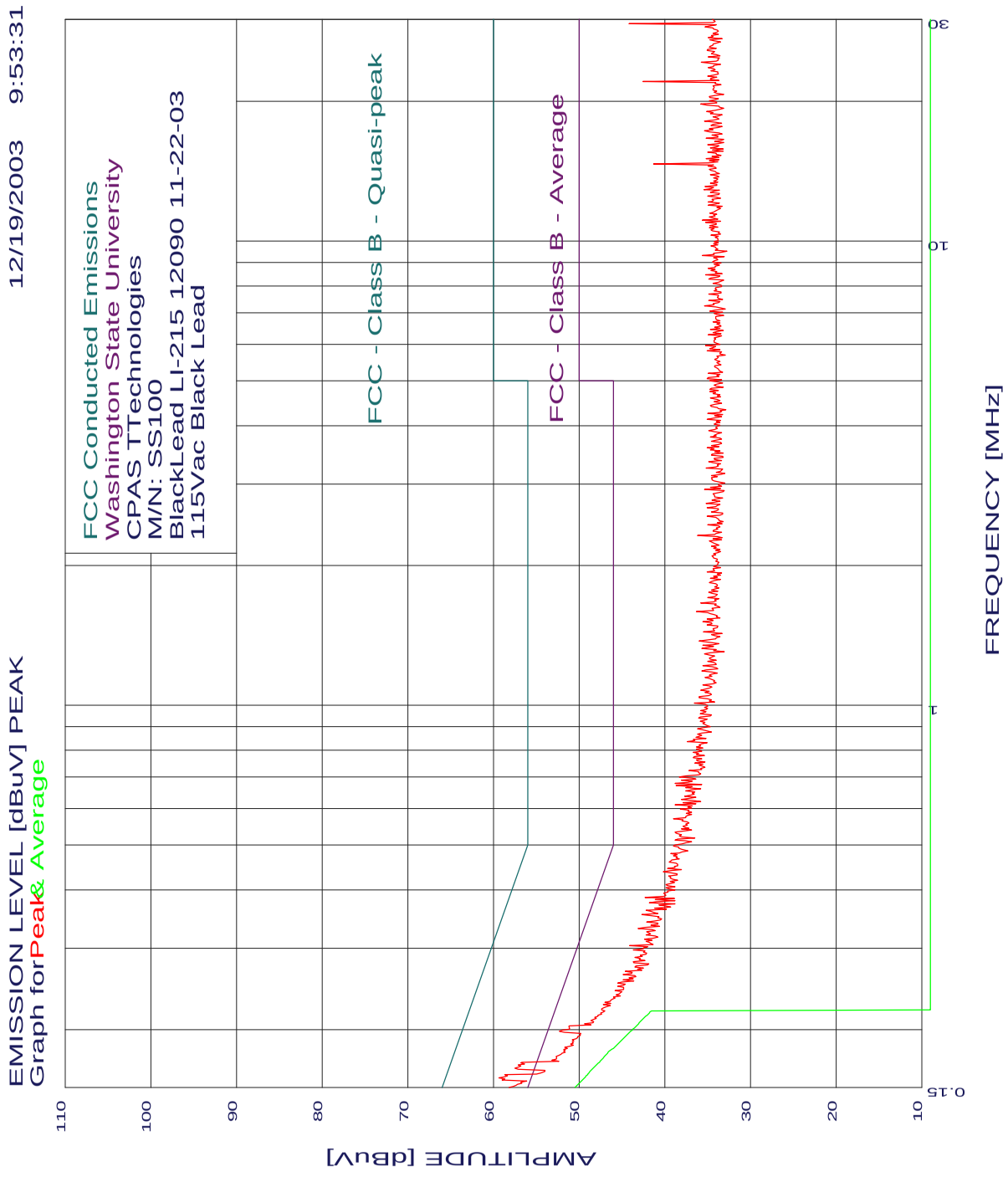
PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

REAR VIEW

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES
MODEL: SS100 (with AXH92RPSMT Antenna)
FCC CLASS B - CONDUCTED EMISSIONS – 12-19-03

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS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FCC Conducted Emissions
Washington State University
CPAS TTechnologies
M/N: SS100
BlackLead LI-215 12090 11-22-03
115Vac Black Lead
FCC - Class B - Quasi-peak
FCC - Class B - Average
EMISSION LEVEL [dBuV] PEAK
Graph forPeak& Average
AMPLITUDE [dBuV]
FREQUENCY [MHz]
110
100
90
80
70
60
50
40
30
20
10
0.15
1
10
30

page 1/1

12/19/2003 9:53:31

Washington State University
CPAS TTechnologies
M/N: SS100
115Vac Black Lead
TEST ENGINEER : Kirit Ramani

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21 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 2.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.157	59.37	55.60	3.77*
2	0.165	57.47	55.20	2.27*
3	0.150	58.17	56.00	2.17*
4	0.199	52.27	53.67	-1.40*
5	29.387	44.19	50.00	-5.81
6	0.385	42.26	48.16	-5.90
7	0.304	44.07	50.14	-6.08
8	0.354	42.66	48.87	-6.20
9	0.331	43.06	49.44	-6.37
10	0.375	41.76	48.38	-6.62
11	0.570	38.96	46.00	-7.04
12	0.381	41.06	48.25	-7.19
13	0.679	38.76	46.00	-7.24
14	0.672	38.66	46.00	-7.34
15	22.076	42.52	50.00	-7.48
16	0.627	38.06	46.00	-7.94
17	0.835	37.36	46.00	-8.64
18	14.680	41.28	50.00	-8.72
19	1.594	36.25	46.00	-9.75
20	2.322	36.15	46.00	-9.85
21	1.374	35.96	46.00	-10.04

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* Please see average peaks and plot

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Washington State University
CPAS TTechnologies
M/N: SS100
115Vac Black Lead
TEST ENGINEER : Kirit Ramani

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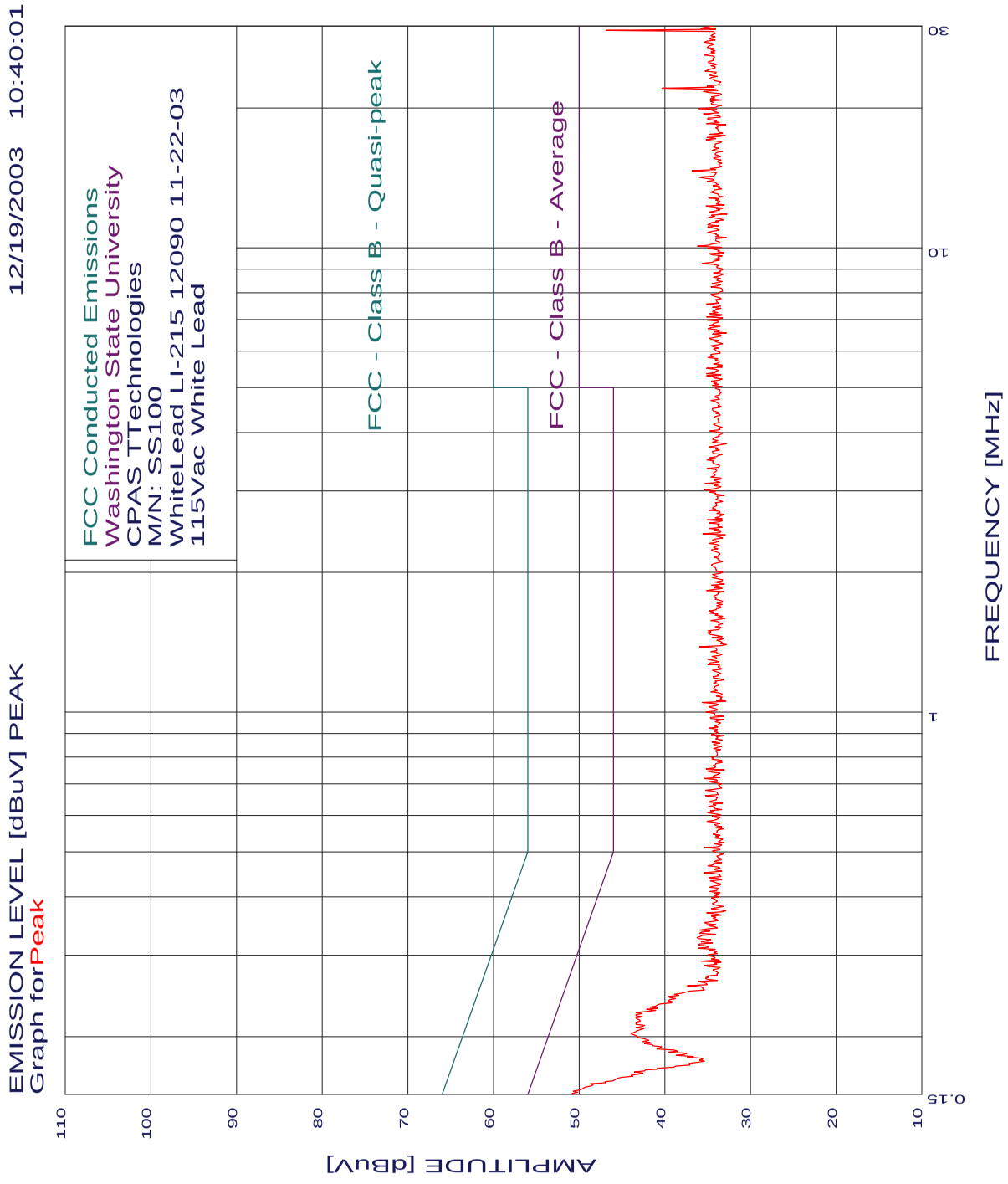
1 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 0.10 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.150	50.48	56.00	-5.52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FCC Conducted Emissions
Washington State University
CPAS TTechnologies
M/N: SS100
WhiteLead LI-215 12090 11-22-03
115Vac White Lead
FCC - Class B - Quasi-peak
FCC - Class B - Average
EMISSION LEVEL [dBuV] PEAK
Graph forPeak
AMPLITUDE [dBuV]
FREQUENCY [MHz]
110
100
90
80
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page 1/1

12/19/2003 10:40:01

Washington State University
CPAS TTechnologies
M/N: SS100
115Vac White Lead
TEST ENGINEER : Kirit Ramani

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21 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 2.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	29.387	46.84	50.00	-3.16
2	0.150	50.75	56.00	-5.25
3	0.203	43.93	53.49	-9.56
4	22.076	40.31	50.00	-9.69
5	1.382	35.88	46.00	-10.12
6	1.049	35.57	46.00	-10.43
7	2.423	35.50	46.00	-10.50
8	3.011	35.40	46.00	-10.60
9	0.720	35.35	46.00	-10.65
10	0.510	35.33	46.00	-10.67
11	0.755	35.15	46.00	-10.85
12	1.830	35.10	46.00	-10.90
13	0.452	35.43	46.85	-11.42
14	14.680	36.75	50.00	-13.25
15	0.327	36.22	49.53	-13.31
16	10.074	36.17	50.00	-13.83
17	19.950	36.01	50.00	-13.99
18	0.258	37.32	51.51	-14.19
19	9.256	35.60	50.00	-14.40
20	0.291	35.72	50.49	-14.78
21	12.318	35.14	50.00	-14.86

CONDUCTED EMISSION ON POWER LINE

EUT WITH FG9026 ANTENNA

PHOTOS AND DATA SHEET

FRONT VIEW

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES
MODEL: SS100 (with FG9026 Antenna)
FCC CLASS B - CONDUCTED EMISSIONS – 12-19-03

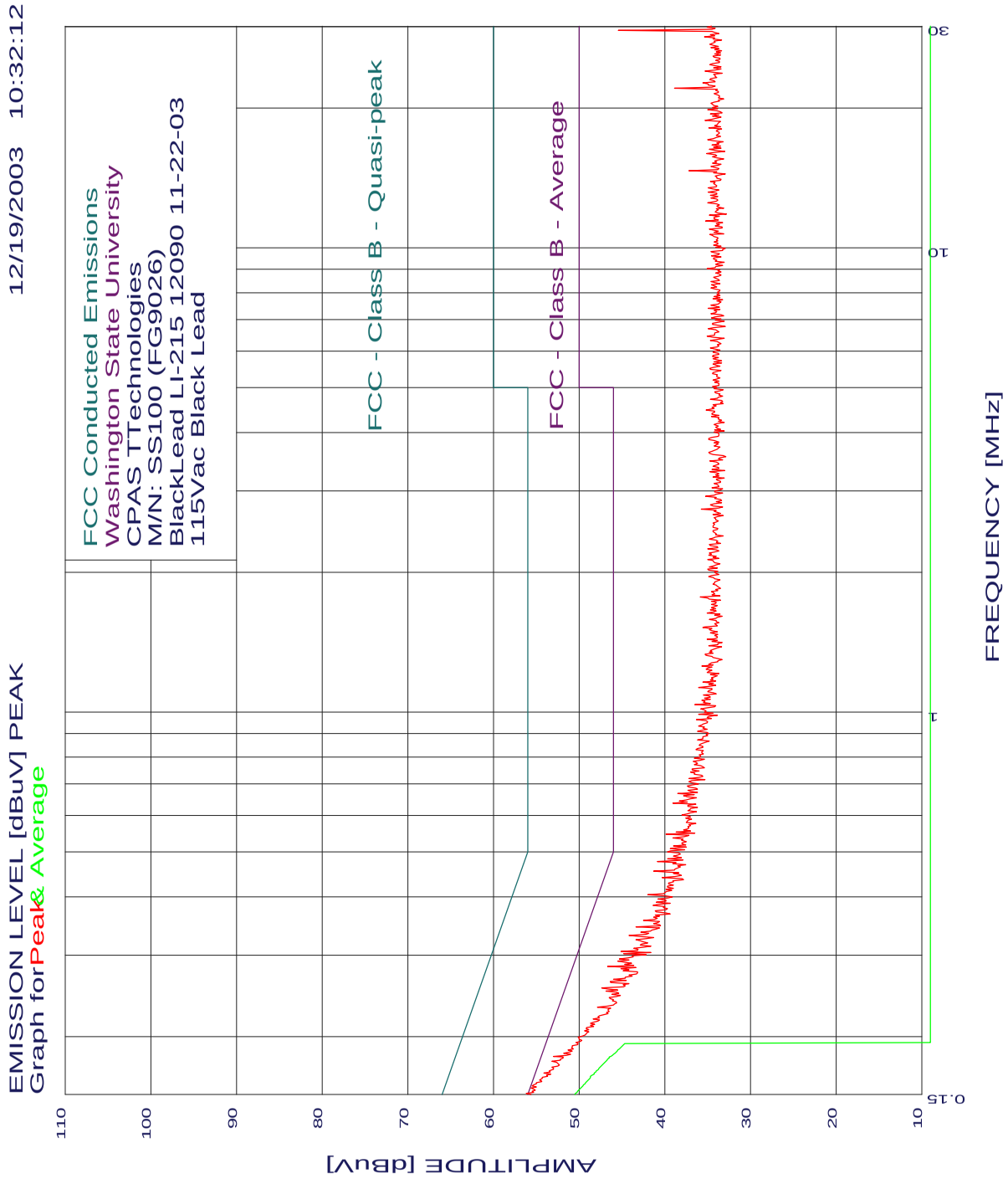
PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

REAR VIEW

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES
MODEL: SS100 (with FG9026 Antenna)
FCC CLASS B - CONDUCTED EMISSIONS – 12-19-03

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS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FCC Conducted Emissions
Washington State University
CPAS TTechnologies
M/N: SS100 (FG9026)
BlackLead LI-215 12090 11-22-03
115Vac Black Lead
FCC - Class B - Quasi-peak
FCC - Class B - Average
EMISSION LEVEL [dBuV] PEAK
Graph forPeak& Average
AMPLITUDE [dBuV]
FREQUENCY [MHz]
110
100
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page 1/1

12/19/2003 10:32:12

Washington State University
CPAS TTechnologies
M/N: SS100 (FG9026)
115Vac Black Lead
TEST ENGINEER : Kirit Ramani

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21 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 2.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.150	55.57	56.00	-0.43*
2	0.283	46.67	50.72	-4.05
3	0.255	47.37	51.60	-4.23
4	29.387	45.39	50.00	-4.61
5	0.263	46.37	51.33	-4.97
6	0.305	45.07	50.10	-5.03
7	0.331	44.16	49.44	-5.27
8	0.302	44.77	50.19	-5.42
9	0.454	41.26	46.80	-5.54
10	0.476	40.86	46.40	-5.54
11	0.345	43.36	49.09	-5.73
12	0.404	41.96	47.77	-5.80
13	0.547	39.86	46.00	-6.14
14	0.440	40.26	47.06	-6.80
15	0.637	39.06	46.00	-6.94
16	0.552	38.66	46.00	-7.34
17	0.669	38.46	46.00	-7.54
18	1.038	36.46	46.00	-9.54
19	0.990	36.06	46.00	-9.94
20	1.130	36.06	46.00	-9.94
21	1.772	35.85	46.00	-10.15

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* Please see average peaks and plot

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Washington State University
CPAS TTechnologies
M/N: SS100 (FG9026)
115Vac Black Lead
TEST ENGINEER : Kirit Ramani

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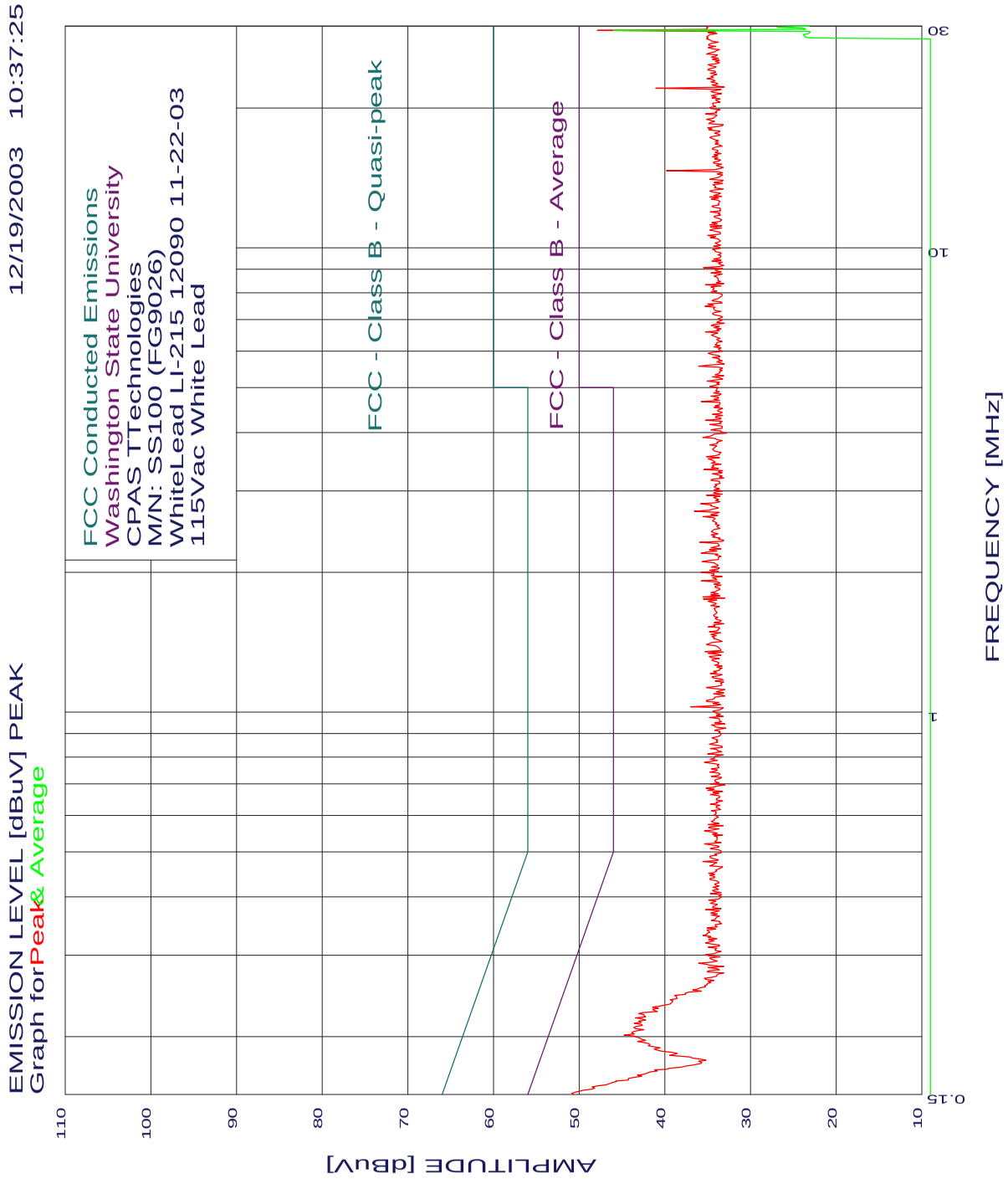
1 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 0.10 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	0.150	50.49	56.00	-5.51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FCC Conducted Emissions
Washington State University
CPAS TTechnologies
M/N: SS100 (FG9026)
WhiteLead LI-215 12090 11-22-03
115Vac White Lead
FCC - Class B - Quasi-peak
FCC - Class B - Average
EMISSION LEVEL [dBuV] PEAK
Graph forPeak& Average
AMPLITUDE [dBuV]
FREQUENCY [MHz]
110
100
90
80
70
60
50
40
30
20
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0.15
1
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30

page 1/1

12/19/2003 10:37:25

Washington State University
CPAS TTechnologies
M/N: SS100 (FG9026)
115Vac White Lead
TEST ENGINEER : Kirit Ramani

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21 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 2.00 dB, Curve : Peak

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	29.387	47.84	50.00	-2.16*
2	0.150	50.65	56.00	-5.35
3	0.202	44.73	53.53	-8.81
4	22.076	41.01	50.00	-8.99
5	1.027	36.97	46.00	-9.03
6	2.707	36.50	46.00	-9.50
7	2.322	35.90	46.00	-10.10
8	2.811	35.80	46.00	-10.20
9	14.680	39.75	50.00	-10.25
10	1.918	35.71	46.00	-10.29
11	2.002	35.71	46.00	-10.29
12	2.201	35.71	46.00	-10.29
13	4.672	35.70	46.00	-10.30
14	3.903	35.50	46.00	-10.50
15	1.772	35.50	46.00	-10.50
16	1.754	35.50	46.00	-10.50
17	3.328	35.40	46.00	-10.60
18	0.779	35.35	46.00	-10.65
19	0.555	35.34	46.00	-10.66
20	1.352	35.28	46.00	-10.72
21	4.249	35.20	46.00	-10.80

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* Please see average peaks and plot

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Washington State University
CPAS TTechnologies
M/N: SS100 (FG9026)
115Vac White Lead
TEST ENGINEER : Kirit Ramani

---

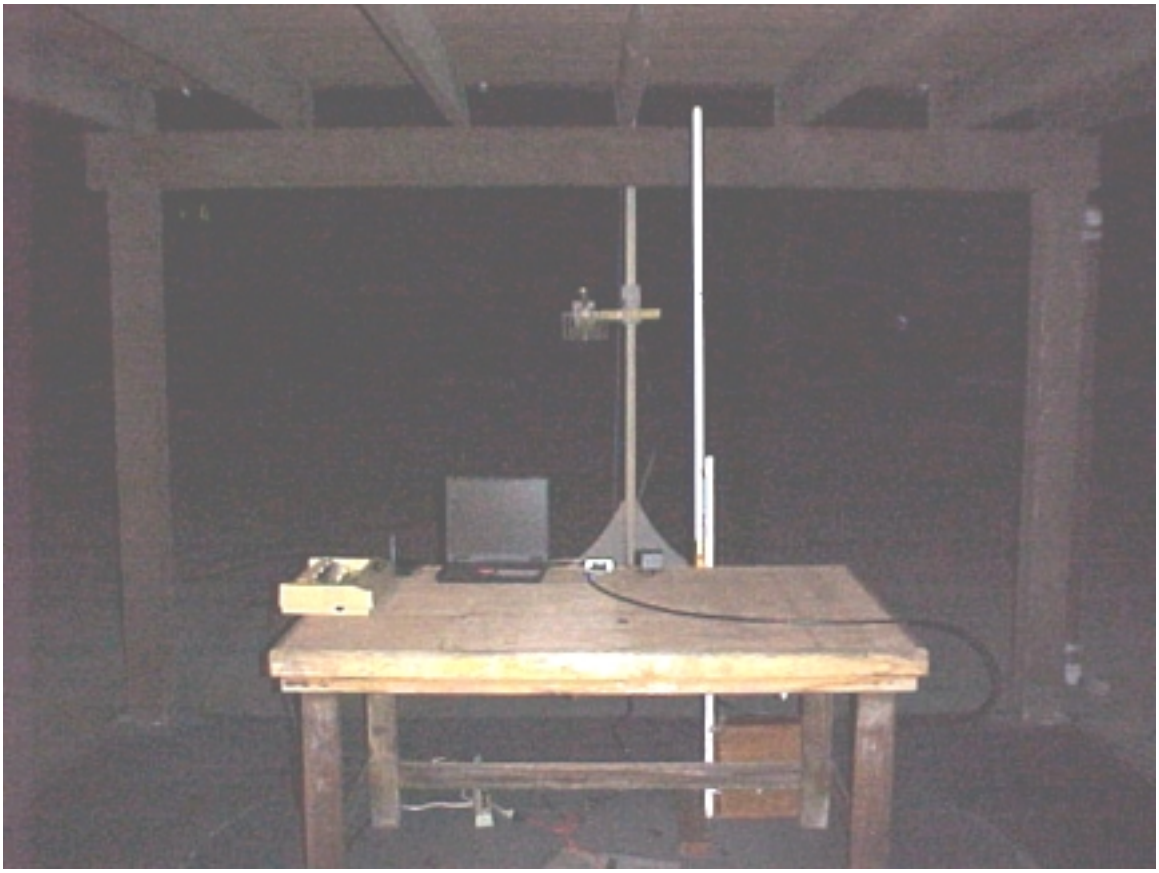
4 highest peaks above -50.00 dB of FCC - Class B - Average limit line
Peak criteria : 0.10 dB, Curve : Average

Peak#	Freq(MHz)	Amp(dBuV)	Limit(dB)	Delta(dB)
1	29.387	45.97	50.00	-4.03
2	29.851	26.82	50.00	-23.18
3	28.770	23.83	50.00	-26.17
4	0.150	0.00	56.00	-56.00

RADIATED EMISSION

EUT WITH FG9026 ANTENNA

PHOTOS AND DATA SHEET

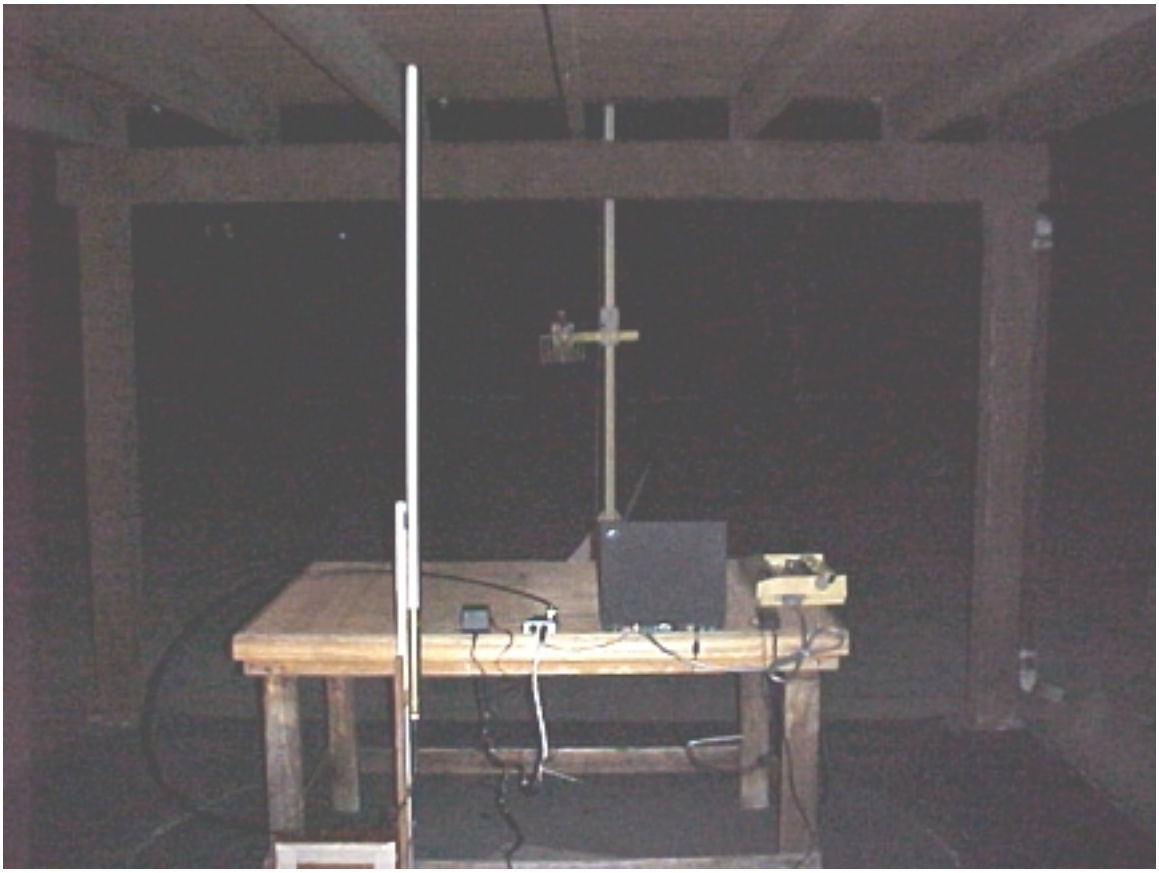


FRONT VIEW

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES
MODEL: SS100 (with FG9026 Antenna)
FCC CLASS B - RADIATED EMISSIONS – 12-19-03

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



REAR VIEW

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES
MODEL: SS100 (with FG9026 Antenna)
FCC CLASS B - RADIATED EMISSIONS – 12-15-03

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Antenex FG9026 Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
904.8190		A	H					21.0	5.1	31.9	0.0				**94.0**	**Not Restricted Band**
904.8190		A	V					21.0	5.1	31.9	0.0				**94.0**	**Not Restricted Band**
914.4180		A	H					21.1	5.2	31.9	0.0				**94.0**	**Not Restricted Band**
914.4180		A	V					21.1	5.2	31.9	0.0				**94.0**	**Not Restricted Band**
924.4180		A	H					21.1	5.2	31.9	0.0				**94.0**	**Not Restricted Band**
924.4180		A	V					21.1	5.2	31.9	0.0				**94.0**	**Not Restricted Band**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**N/A dB**
S/N	**N/A (Antenex FG9026 Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
1809.6380		A	H					31.2	6.7	31.5	0.0					**Not Restricted Band**
1809.6380		A	V					31.2	6.7	31.5	0.0				**54.0**	**Not Restricted Band**
1828.8360		A	H					31.3	6.2	31.5	0.0				**54.0**	**Not Restricted Band**
1828.8360		A	V					31.3	6.2	31.5	0.0				**54.0**	**Not Restricted Band**
1848.8360		A	H					31.4	5.8	31.5	0.0				**54.0**	**Not Restricted Band**
1848.8360		A	V					31.4	5.8	31.5	0.0				**54.0**	**Not Restricted Band**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Antenex FG9026 Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2714.4570		A	H					31.9	5.0	32.7	0.0				**54.0**	**no emission found**
2714.4570		A	V					31.9	5.0	32.7	0.0				**54.0**	
2743.2540		A	H					31.9	5.1	32.6	0.0				**54.0**	**no emission found**
2743.2540	45.1	36.5 A	V	1.3	180			31.9	5.1	32.6	0.0	0.0	**40.8**	**-13.2**	**54.0**	
2773.2540		A	H					31.8	5.1	32.5	0.0				**54.0**	**no emission found**
2773.2540	44.5	35.9 A	V	1.3	315			31.8	5.1	32.5	0.0	0.0	**40.3**	**-13.7**	**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Antenex FG9026 Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
3619.2760		A	H					31.6	6.8	33.1	0.0				**54.0**	**no emission found**
3619.2760		A	V					31.6	6.8	33.1	0.0				**54.0**	**no emission found**
3657.6720		A	H					31.6	6.9	33.1	0.0				**54.0**	**no emission found**
3657.6720		A	V					31.6	6.9	33.1	0.0				**54.0**	**no emission found**
3697.6720		A	H					31.5	6.9	33.2	0.0				**54.0**	**no emission found**
3697.6720		A	V					31.5	6.9	33.2	0.0				**54.0**	**no emission found**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Antenex FG9026 Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
4524.0950	39.9	31.3 A	H	2.0	180			32.1	6.8	34.7	0.0	0.0	**35.5**	**-18.5**	**54.0**	
4524.0950	43.4	34.8 A	V	1.0	180			32.1	6.8	34.7	0.0	0.0	**39.0**	**-15.0**	**54.0**	**noise floor emission found**
4572.0900		A	H					32.3	6.8	34.6	0.0				**54.0**	**no emission found**
4572.0900	42.8	34.2 A	V	1.3	315			32.3	6.8	34.6	0.0	0.0	**38.6**	**-15.4**	**54.0**	**noise floor emission found**
4622.0900	40.1	31.5 A	H	1.0	45			32.5	6.8	34.6	0.0	0.0	**36.2**	**-17.8**	**54.0**	**noise floor emission found**
4622.0900	40.9	32.3 A	V	1.0	0			32.5	6.8	34.6	0.0	0.0	**37.0**	**-17.0**	**54.0**	**noise floor emission found**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Antenex FG9026 Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
5428.9140	42.1	33.5 A	H	2.0	45			32.3	7.5	33.3	0.0	0.0	**39.9**	**-14.1**	**54.0**	
5428.9140	45.1	36.5 A	V	2.0	45			32.3	7.5	33.3	0.0	0.0	**42.9**	**-11.1**	**54.0**	
5486.5080		A	H					32.1	7.5	33.2	0.0				**54.0**	**Not Restricted Band**
5486.5080		A	V					32.1	7.5	33.2	0.0				**54.0**	**Not Restricted Band**
5546.5080		A	H					32.5	7.5	33.3	0.0				**54.0**	**Not Restricted Band**
5546.5080		A	V					32.5	7.5	33.3	0.0				**54.0**	**Not Restricted Band**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Antenex FG9026 Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
6333.7330		A	H					37.1	7.4	34.6	0.0				**54.0**	**Not Restricted Band**
6333.7330		A	V					37.1	7.4	34.6	0.0				**54.0**	**Not Restricted Band**
6400.9260		A	H					37.0	7.3	34.6	0.0				**54.0**	**Not Restricted Band**
6400.9260		A	V					37.0	7.3	34.6	0.0				**54.0**	**Not Restricted Band**
6470.9260		A	H					36.9	7.1	34.6	0.0				**54.0**	**Not Restricted Band**
6470.9260		A	V					36.9	7.1	34.6	0.0				**54.0**	**Not Restricted Band**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Antenex FG9026 Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
7238.5520		A	H					41.0	7.8	32.8	0.0				**54.0**	**Not Restricted Band**
7238.5520		A	V					41.0	7.8	32.8	0.0				**54.0**	**Not Restricted Band**
7315.3440		A	H					40.6	8.2	32.7	0.0				**54.0**	**no emission found**
7315.3440		A	V					40.6	8.2	32.7	0.0				**54.0**	**no emission found**
7395.3440		A	H					40.1	8.6	32.6	0.0				**54.0**	**no emission found**
7395.3440		A	V					40.1	8.6	32.6	0.0				**54.0**	**no emission found**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Antenex FG9026 Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
8143.3710		A	H					41.0	8.9	34.0	0.0				**54.0**	**no emission found**
8143.3710		A	V					41.0	8.9	34.0	0.0				**54.0**	**no emission found**
8229.7620		A	H					40.8	9.1	34.2	0.0				**54.0**	**no emission found**
8229.7620		A	V					40.8	9.1	34.2	0.0				**54.0**	**no emission found**
8319.7620		A	H					40.7	9.2	34.5	0.0				**54.0**	**no emission found**
8319.7620		A	V					40.7	9.2	34.5	0.0				**54.0**	**no emission found**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Antenex FG9026 Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
9048.1900		A	H					39.7	9.7	35.6	0.0				**54.0**	**no emission found**
9048.1900		A	V					39.7	9.7	35.6	0.0				**54.0**	**no emission found**
9144.1800		A	H					40.0	10.1	35.9	0.0				**54.0**	**no emission found**
9144.1800		A	V					40.0	10.1	35.9	0.0				**54.0**	**no emission found**
9244.1800		A	H					40.4	10.6	36.1	0.0				**54.0**	**Not Restricted Band**
9244.1800		A	V					40.4	10.6	36.1	0.0				**54.0**	**Not Restricted Band**

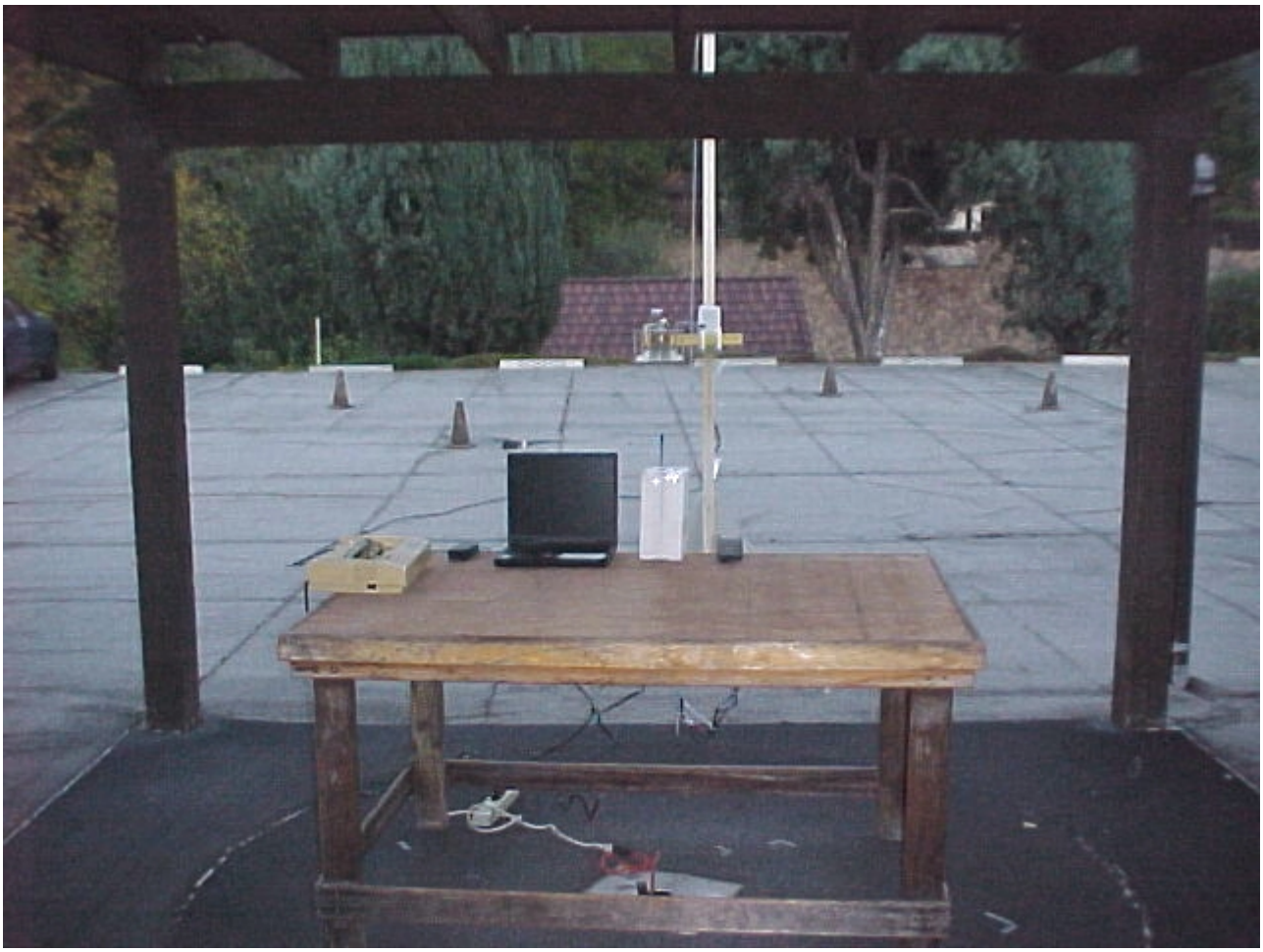
* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSION

EUT WITH AXH92RPSMT ANTENNA

PHOTOS AND DATA SHEET

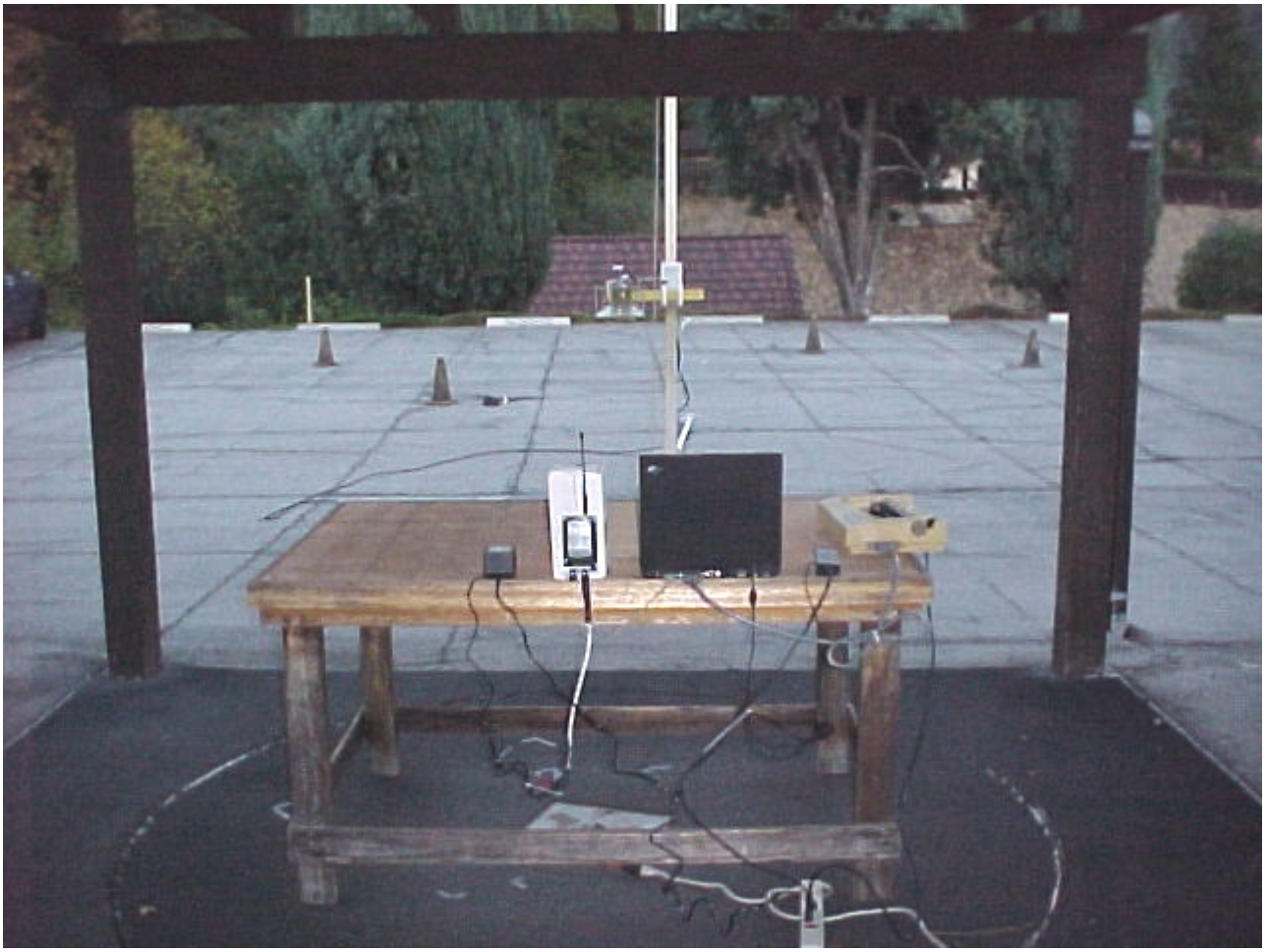


FRONT VIEW

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES
MODEL: SS100 (with AXH92RPSMT Antenna)
FCC CLASS B - RADIATED EMISSIONS – 12-15-03

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS



REAR VIEW

WASHINGTON STATE UNIVERSITY

CPAS πECHONOLOGIES
MODEL: SS100 (with AXH92RPSMT Antenna)
FCC CLASS B - RADIATED EMISSIONS – 12-15-03

PHOTOGRAPH SHOWING THE EUT CONFIGURATION

FOR MAXIMUM EMISSIONS

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Astron Wireless AXH92RPSMT Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
904.8190		A	H					21.0	5.1	31.9	0.0				**94.0**	**Not Restricted Band**
904.8190		A	V					21.0	5.1	31.9	0.0				**94.0**	**Not Restricted Band**
914.4180		A	H					21.1	5.2	31.9	0.0				**94.0**	**Not Restricted Band**
914.4180		A	V					21.1	5.2	31.9	0.0				**94.0**	**Not Restricted Band**
924.4180		A	H					21.1	5.2	31.9	0.0				**94.0**	**Not Restricted Band**
924.4180		A	V					21.1	5.2	31.9	0.0				**94.0**	**Not Restricted Band**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**N/A dB**
S/N	**N/A (Astron Wireless AXH92RPSMT Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
1809.6380		A	H					31.2	6.7	31.5	0.0				**54.0**	**Not Restricted Band**
1809.6380		A	V					31.2	6.7	31.5	0.0				**54.0**	**Not Restricted Band**
1828.8360		A	H					31.3	6.2	31.5	0.0				**54.0**	**Not Restricted Band**
1828.8360		A	V					31.3	6.2	31.5	0.0				**54.0**	**Not Restricted Band**
1848.8360		A	H					31.4	5.8	31.5	0.0				**54.0**	**Not Restricted Band**
1848.8360		A	V					31.4	5.8	31.5	0.0				**54.0**	**Not Restricted Band**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Astron Wireless AXH92RPSMT Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2714.4570		A	H					31.9	5.0	32.7	0.0				**54.0**	**no emission found**
2714.4570		A	V					31.9	5.0	32.7	0.0				**54.0**	**no emission found**
2743.2540		A	H					31.9	5.1	32.6	0.0				**54.0**	**no emission found**
2743.2540	43.7	35.1 A	V	1.0	180			31.9	5.1	32.6	0.0	0.0	**39.4**	**-14.6**	**54.0**	
2773.2540		A	H					31.8	5.1	32.5	0.0				**54.0**	**no emission found**
2773.2540	44.6	36.0 A	V	1.0	135			31.8	5.1	32.5	0.0	0.0	**40.4**	**-13.6**	**54.0**	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Astron Wireless AXH92RPSMT Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
3619.2760		A	H					31.6	6.8	33.1	0.0				**54.0**	**no emission found**
3619.2760		A	V					31.6	6.8	33.1	0.0				**54.0**	**no emission found**
3657.6720		A	H					31.6	6.9	33.1	0.0				**54.0**	**no emission found**
3657.6720		A	V					31.6	6.9	33.1	0.0				**54.0**	**no emission found**
3697.6720		A	H					31.5	6.9	33.2	0.0				**54.0**	**no emission found**
3697.6720		A	V					31.5	6.9	33.2	0.0				**54.0**	**no emission found**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Astron Wireless AXH92RPSMT Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
4524.0950		A	H					32.1	6.8	34.7	0.0				**54.0**	**no emission found**
4524.0950	39.6	31.0 A	V					32.1	6.8	34.7	0.0	0.0	**35.2**	**-18.8**	**54.0**	**noise floor emission found**
4572.0900		A	H					32.3	6.8	34.6	0.0				**54.0**	**no emission found**
4572.0900		A	V					32.3	6.8	34.6	0.0				**54.0**	**no emission found**
4622.0900		A	H					32.5	6.8	34.6	0.0				**54.0**	**no emission found**
4622.0900		A	V					32.5	6.8	34.6	0.0				**54.0**	**no emission found**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Astron Wireless AXH92RPSMT Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
5428.9140	48.1	39.5 A	H	1.0	135			32.3	7.5	33.3	0.0	0.0	**45.9**	**-8.1**	**54.0**	
5428.9140	43.9	35.3 A	V	2.0	45			32.3	7.5	33.3	0.0	0.0	**41.7**	**-12.3**	**54.0**	
5486.5080		A	H					32.1	7.5	33.2	0.0				**54.0**	**Not Restricted Band**
5486.5080		A	V					32.1	7.5	33.2	0.0				**54.0**	**Not Restricted Band**
5546.5080		A	H					32.5	7.5	33.3	0.0				**54.0**	**Not Restricted Band**
5546.5080		A	V					32.5	7.5	33.3	0.0				**54.0**	**Not Restricted Band**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Astron Wireless AXH92RPSMT Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
6333.7330		A	H					37.1	7.4	34.6	0.0				**54.0**	**Not Restricted Band**
6333.7330		A	V					37.1	7.4	34.6	0.0				**54.0**	**Not Restricted Band**
6400.9260		A	H					37.0	7.3	34.6	0.0				**54.0**	**Not Restricted Band**
6400.9260		A	V					37.0	7.3	34.6	0.0				**54.0**	**Not Restricted Band**
6470.9260		A	H					36.9	7.1	34.6	0.0				**54.0**	**Not Restricted Band**
6470.9260		A	V					36.9	7.1	34.6	0.0				**54.0**	**Not Restricted Band**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Astron Wireless AXH92RPSMT Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
7238.5520		A	H					41.0	7.8	32.8	0.0				**54.0**	**Not Restricted Band**
7238.5520		A	V					41.0	7.8	32.8	0.0				**54.0**	**Not Restricted Band**
7315.3440		A	H					40.6	8.2	32.7	0.0				**54.0**	**no emission found**
7315.3440		A	V					40.6	8.2	32.7	0.0				**54.0**	**no emission found**
7395.3440		A	H					40.1	8.6	32.6	0.0				**54.0**	**no emission found**
7395.3440		A	V					40.1	8.6	32.6	0.0				**54.0**	**no emission found**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Astron Wireless AXH92RPSMT Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
8143.3710		A	H					41.0	8.9	34.0	0.0				**54.0**	**no emission found**
8143.3710		A	V					41.0	8.9	34.0	0.0				**54.0**	**no emission found**
8229.7620		A	H					40.8	9.1	34.2	0.0				**54.0**	**no emission found**
8229.7620		A	V					40.8	9.1	34.2	0.0				**54.0**	**no emission found**
8319.7620		A	H					40.7	9.2	34.5	0.0				**54.0**	**no emission found**
8319.7620		A	V					40.7	9.2	34.5	0.0				**54.0**	**no emission found**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.247)

COMPANY	**Washington State University**	**DATE**	**12/15/03**
EUT	**CPAS Ttechonologies**	**DUTY CYCLE**	**N/A %**
MODEL	**SS100**	**PEAK TO AVG**	**-8.63596552 dB**
S/N	**N/A (Astron Wireless AXH92RPSMT Antenna)**	**TEST DIST.**	**3 Meters**
TEST ENGINEER	**Kirit Ramani**	**LAB**	**A**

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi-Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
9048.1900		A	H					39.7	9.7	35.6	0.0				**54.0**	**no emission found**
9048.1900		A	V					39.7	9.7	35.6	0.0				**54.0**	**no emission found**
9144.1800		A	H					40.0	10.1	35.9	0.0				**54.0**	**no emission found**
9144.1800		A	V					40.0	10.1	35.9	0.0				**54.0**	**no emission found**
9244.1800		A	H					40.4	10.6	36.1	0.0				**54.0**	**Not Restricted Band**
9244.1800		A	V					40.4	10.6	36.1	0.0				**54.0**	**Not Restricted Band**

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

SPURIOUS EMISSIONS

DATA SHEETS

Test Location : Compatible Electronics **Page** : 1/1
Customer : Washington State University **Date** : 1/15/2004
Manufacturer : Washington State University **Time** : 14:27:53
Eut name : CPAS TTECHOLOLOGIES **Lab** : A
Model : SS100 **Test Distance** : 3
Serial # :
Specification : FCC Class B
Distance correction factor (20 * log(test/spec) : 0.00
Test Mode : Max.Emission:LongAntenna Standby Mode

TESTED BY: Kirit Ramani

Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	Limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB
1V	51.658	50.20	1.22	11.00	33.60	28.81	40.00	-11.19
2V	52.715	51.30	1.23	10.81	33.60	29.74	40.00	-10.26
3H	59.008	51.30	1.29	9.76	33.60	28.75	40.00	-11.25
4V	59.028	49.70	1.29	9.75	33.60	27.14	40.00	-12.86
5V	59.032	57.30	1.29	9.75	33.60	34.74	40.00	-5.26
6V	66.348	62.50	1.37	8.16	33.53	38.50	40.00	-1.50
7V	66.349Qp	59.56	1.37	8.16	33.53	35.55	40.00	-4.45
8H	66.357	57.60	1.37	8.16	33.53	33.59	40.00	-6.41
9H	73.765	53.60	1.44	6.89	33.50	28.43	40.00	-11.57
10H	118.002	47.00	1.75	13.50	33.60	28.64	43.50	-14.86
11H	147.497	48.40	2.07	11.29	33.42	28.34	43.50	-15.16
12V	147.505	49.20	2.07	11.29	33.42	29.14	43.50	-14.36
13H	171.689	54.70	2.19	14.18	33.49	37.58	43.50	-5.92
14V	176.992	52.10	2.23	15.14	33.49	35.97	43.50	-7.53
15V	181.195	47.90	2.28	15.59	33.47	32.29	43.50	-11.21
16H	181.218	46.20	2.28	15.59	33.47	30.59	43.50	-12.91
17V	209.825	48.00	2.54	16.60	33.36	33.78	43.50	-9.72
18V	221.218	46.60	2.59	16.27	33.31	32.14	46.00	-13.86
19H	221.223	46.50	2.59	16.27	33.31	32.04	46.00	-13.96
20V	221.228	46.00	2.59	16.27	33.31	31.54	46.00	-14.46
21H	267.571	34.50	2.77	17.50	33.27	21.50	46.00	-24.50

Test Location : Compatible Electronics **Page** : 1/1
Customer : Washington State University **Date** : 1/15/2004
Manufacturer : Washington State University **Time** : 18:00:15
Eut name : CPAS TTECHOLOLOGIES **Lab** : A
Model : SS100 **Test Distance** : 3
Serial # :
Specification : FCC Class B
Distance correction factor (20 * log(test/spec) : 0.00
Test Mode : Max.Emission:Long Antenna Standby Mode

TESTED BY: Kirit Ramani

Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	Limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB
1H	309.707	48.20	2.96	13.00	33.30	30.86	46.00	-15.14
2V	309.731	43.50	2.96	13.00	33.30	26.16	46.00	-19.84
3V	352.821	44.20	3.22	14.22	33.29	28.35	46.00	-17.65
4V	362.383	46.10	3.28	14.47	33.25	30.60	46.00	-15.40
5H	368.677	48.30	3.32	14.63	33.22	33.03	46.00	-12.97
6V	427.675	44.20	3.61	15.73	33.04	30.50	46.00	-15.50
7H	427.679	45.50	3.61	15.73	33.04	31.80	46.00	-14.20
8H	454.926	51.40	3.72	16.03	32.99	38.17	46.00	-7.83
9V	545.631	42.00	4.08	16.84	32.99	29.93	46.00	-16.07
10H	545.669	43.90	4.08	16.84	32.99	31.83	46.00	-14.17
11H	999.867	39.70	5.20	21.50	32.50	33.90	54.00	-20.10

Test Location : Compatible Electronics **Page** : 1/1
Customer : Washington State University **Date** : 1/15/2004
Manufacturer : Washington State University **Time** : 14:27:53
Eut name : CPAS TTECHOLOLOGIES **Lab** : A
Model : SS100 **Test Distance** : 3
Serial # :
Specification : FCC Class B
Distance correction factor (20 * log(test/spec) : 0.00
Test Mode : Max.Emission: Long Antenna
Rx Mode

TESTED BY: Kirit Ramani

Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	Limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB
1V	51.658	50.20	1.22	11.00	33.60	28.81	40.00	-11.19
2V	51.660	60.70	1.22	11.00	33.60	39.31	40.00	-0.69
3V	52.715	51.30	1.23	10.81	33.60	29.74	40.00	-10.26
4H	59.008	51.30	1.29	9.76	33.60	28.75	40.00	-11.25
5V	59.032	57.30	1.29	9.75	33.60	34.74	40.00	-5.26
6V	66.348	62.50	1.37	8.16	33.53	38.50	40.00	-1.50
7V	66.349Qp	59.56	1.37	8.16	33.53	35.55	40.00	-4.45
8H	66.357	57.60	1.37	8.16	33.53	33.59	40.00	-6.41
9H	73.765	53.60	1.44	6.89	33.50	28.43	40.00	-11.57
10H	118.002	47.00	1.75	13.50	33.60	28.64	43.50	-14.86
11H	147.497	48.40	2.07	11.29	33.42	28.34	43.50	-15.16
12V	147.505	49.20	2.07	11.29	33.42	29.14	43.50	-14.36
13H	171.689	54.70	2.19	14.18	33.49	37.58	43.50	-5.92
14H	181.218	46.20	2.28	15.59	33.47	30.59	43.50	-12.91
15V	209.825	48.00	2.54	16.60	33.36	33.78	43.50	-9.72
16H	221.223	46.50	2.59	16.27	33.31	32.04	46.00	-13.96
17V	221.228	46.00	2.59	16.27	33.31	31.54	46.00	-14.46
18H	267.571	34.50	2.77	17.50	33.27	21.50	46.00	-24.50
19H	267.571	34.70	2.77	17.50	33.27	21.70	46.00	-24.30
20H	302.324	39.60	2.92	12.77	33.30	21.99	46.00	-24.01
21H	309.724	48.80	2.96	13.00	33.30	31.46	46.00	-14.54
22V	309.726	43.30	2.96	13.00	33.30	25.96	46.00	-20.04
23H	339.207	41.50	3.14	13.85	33.30	25.19	46.00	-20.81
24V	352.849	44.00	3.22	14.22	33.29	28.15	46.00	-17.85
25V	362.391	45.60	3.28	14.47	33.25	30.10	46.00	-15.90
26H	368.677	47.10	3.32	14.63	33.22	31.83	46.00	-14.17
27V	422.431	47.50	3.59	15.67	33.05	33.71	46.00	-12.29
28H	427.669	44.40	3.61	15.73	33.04	30.70	46.00	-15.30
29H	475.070	37.80	3.80	16.25	32.95	24.90	46.00	-21.10
30H	545.658	42.30	4.08	16.84	32.99	30.23	46.00	-15.77
31V	766.478	38.00	4.80	21.42	32.40	31.82	46.00	-14.18
32V	999.787	40.80	5.20	21.50	32.50	35.00	54.00	-19.00
33H	999.877	39.20	5.20	21.50	32.50	33.40	54.00	-20.60

Test Location : Compatible Electronics **Page** : 1/1
Customer : Washington State University **Date** : 1/15/2004
Manufacturer : Washington State University **Time** : 11:55:04
Eut name : CPAS TTechonologies **Lab** : A
Model : SS100 **Test Distance** : 3
Serial # :
Specification : FCC Class B
Distance correction factor (20 * log(test/spec) : 0.00
Test Mode :

TESTED BY: Kirit Ramani

Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	Limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB
1V	968.495	62.50	5.26	21.35	32.06	57.05	54.00	3.05
2V	968.497Qp	59.32	5.26	21.35	32.06	53.87	54.00	-0.13
3H	969.566	48.60	5.26	21.35	32.08	43.14	54.00	-10.86
CHANGE TO FG9026								
4H	971.200	48.70	5.26	21.36	32.10	43.22	54.00	-10.78
5V	971.156	58.60	5.26	21.36	32.10	53.12	54.00	-0.88
6V	971.157Qp	55.04	5.26	21.36	32.10	49.56	54.00	-4.44
7V	399.879	43.30	3.50	15.40	33.10	29.10	46.00	-16.90
8V	114.834	59.20	1.72	13.00	33.60	40.33	43.50	-3.17
9V	113.785	60.20	1.72	12.84	33.60	41.15	43.50	-2.35
10V	113.785Qp	58.55	1.72	12.84	33.60	39.50	43.50	-4.00
11V	114.875	61.80	1.72	13.01	33.60	42.93	43.50	-0.57
12V	114.875Qp	58.79	1.72	13.01	33.60	39.92	43.50	-3.58
13H	114.841	57.80	1.72	13.00	33.60	38.93	43.50	-4.57
14H	114.830	41.70	1.72	13.00	33.60	22.83	43.50	-20.67
15V	114.834	52.80	1.72	13.00	33.60	33.93	43.50	-9.57
16V	114.851	52.60	1.72	13.01	33.60	33.73	43.50	-9.77
