

CHANNEL HOPPING SEPARATION

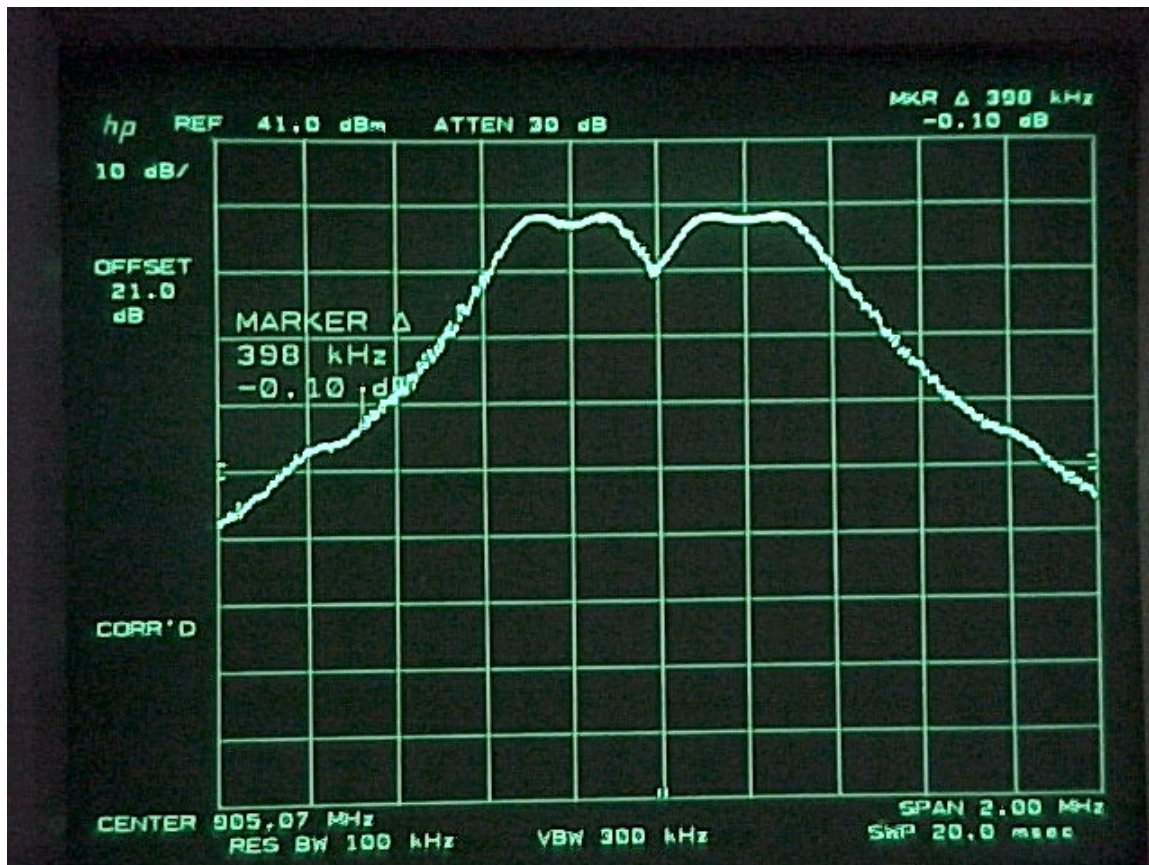
DATA SHEET

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
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(818) 597-0600

Silverado Division
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(949) 589-0700

Lake Forest Division
20621 Pascal Way
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(949) 587-0400



CHANNEL HOPPING SEPARATION

WASHINGTON STATE UNIVERSITY

CPAS π TECHONOLOGIES

MODEL: SS100

AVERAGE TIME OF OCCUPANCY

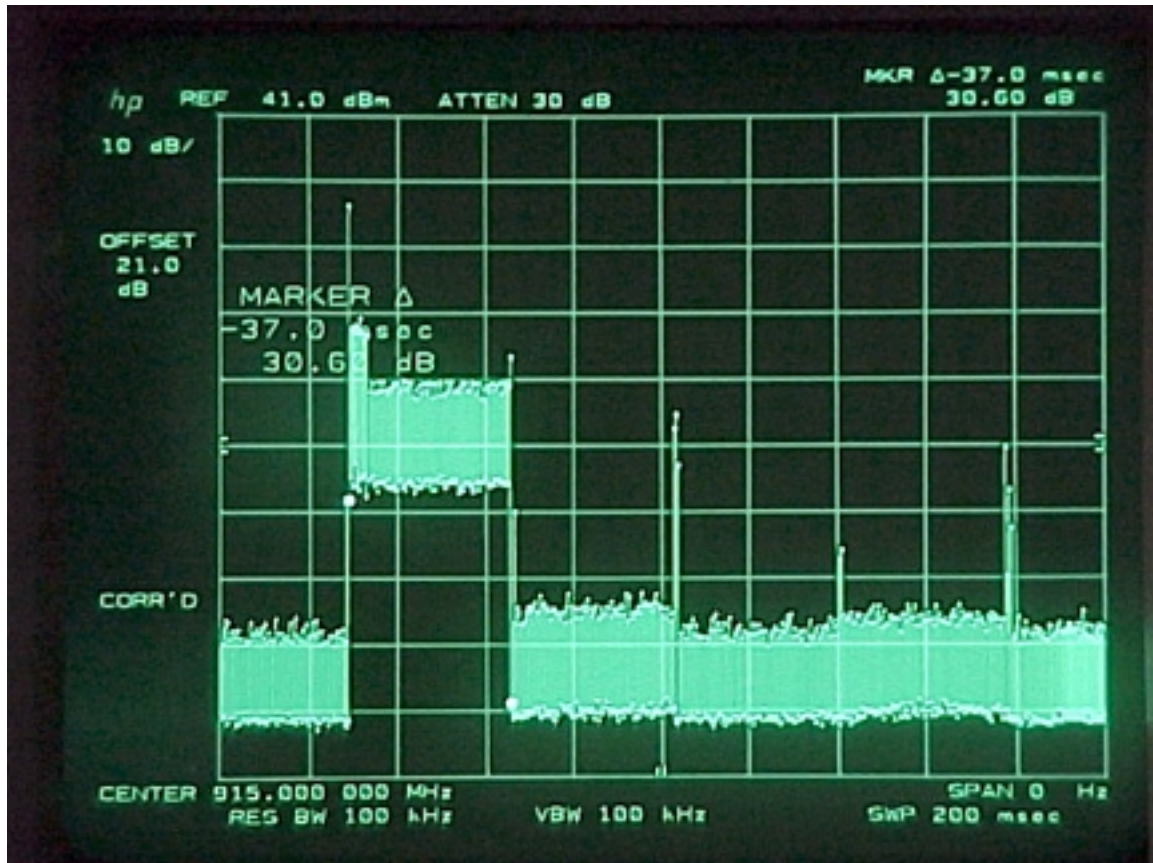
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AVERAGE TIME OF OCCUPANCY

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MODEL: SS100

NUMBER OF HOPPING FREQUENCIES

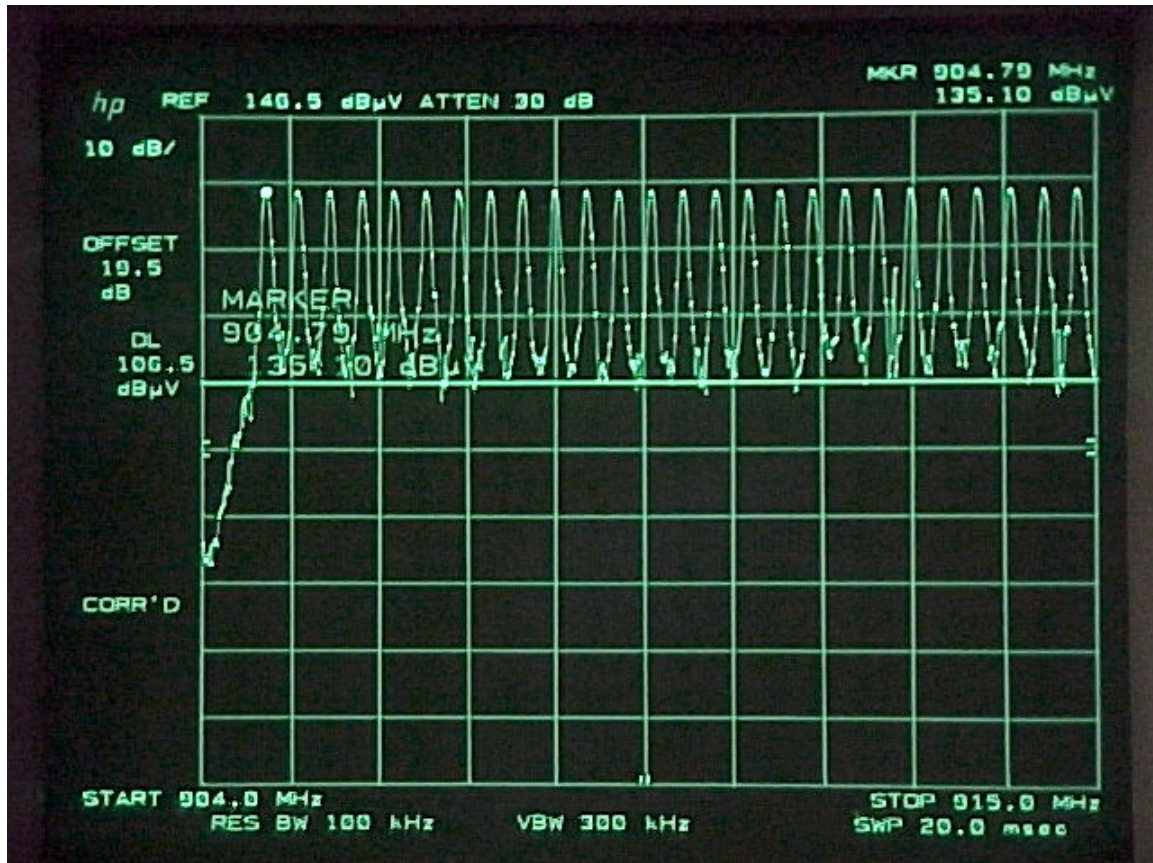
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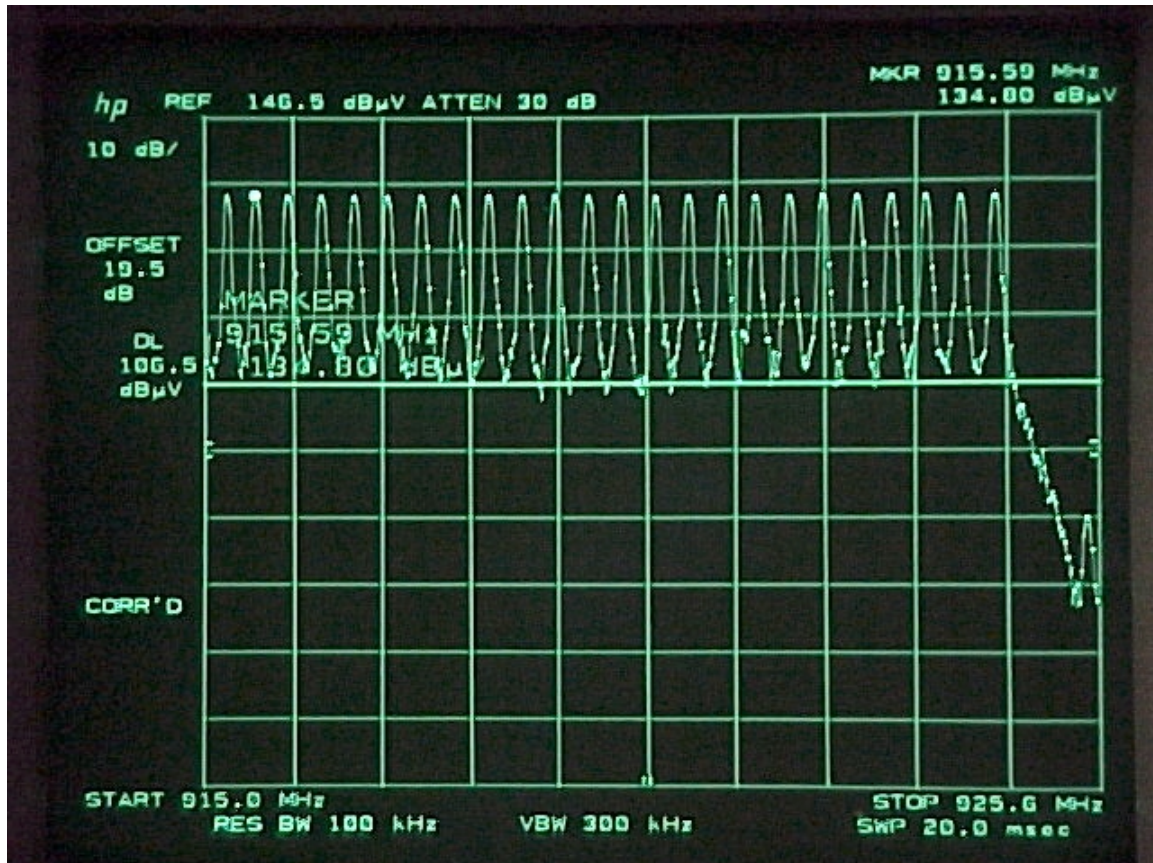


NUMBER OF HOPPING FREQUENCIES

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MODEL: SS100

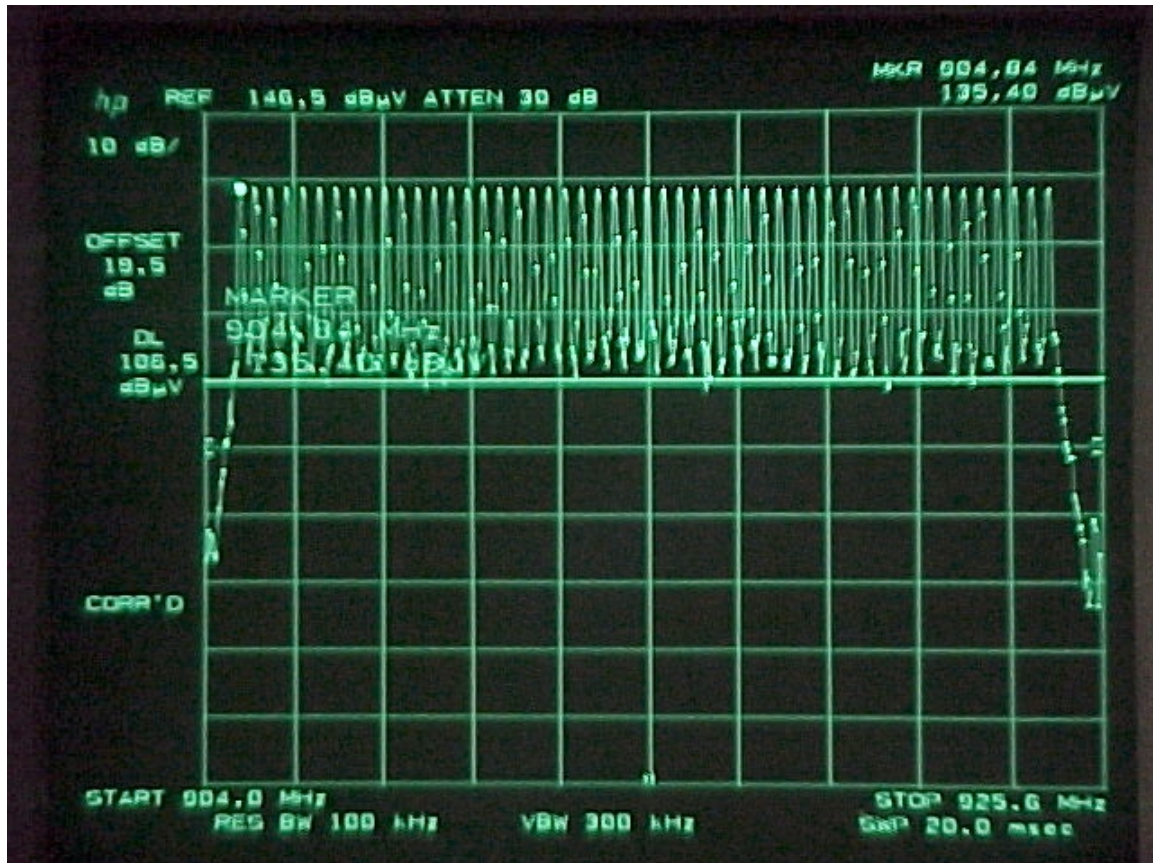


NUMBER OF HOPPING FREQUENCIES

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MODEL: SS100



NUMBER OF HOPPING FREQUENCIES

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MODEL: SS100

RF BAND EDGES

INFORMATION AND DATA SHEET

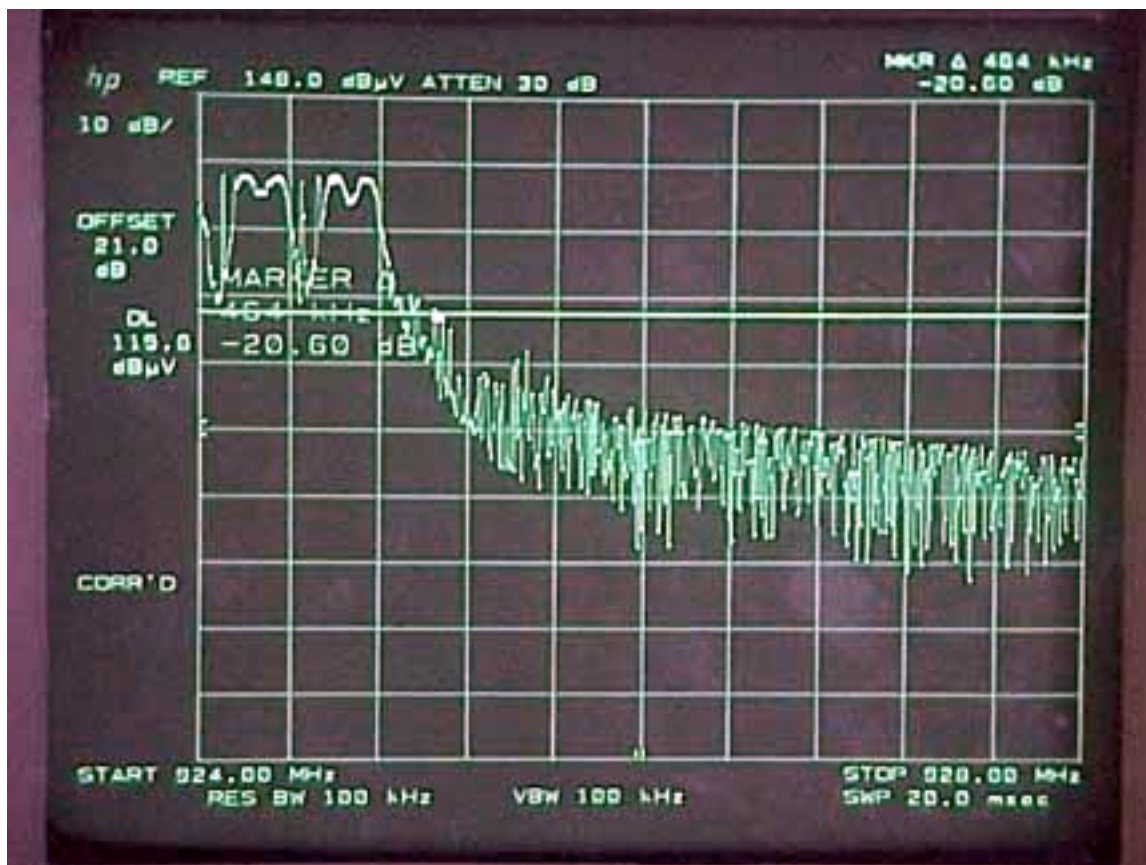


RF BAND EDGES

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CPAS π TECHONOLOGIES

MODEL: SS100



RF BAND EDGES

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CPAS π TECHONOLOGIES

MODEL: SS100

CONDUCTED EMISSION ON POWER LINE

EUT WITH AXH92RPSMT ANTENNA

PHOTOS AND DATA SHEET



FRONT VIEW

WASHINGTON STATE UNIVERSITY

CPAS π TECHONOLOGIES

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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REAR VIEW

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CPAS π TECHONOLOGIES

MODEL: SS100 (with AXH92RPSMT Antenna)

FCC CLASS B - CONDUCTED EMISSIONS – 12-19-03

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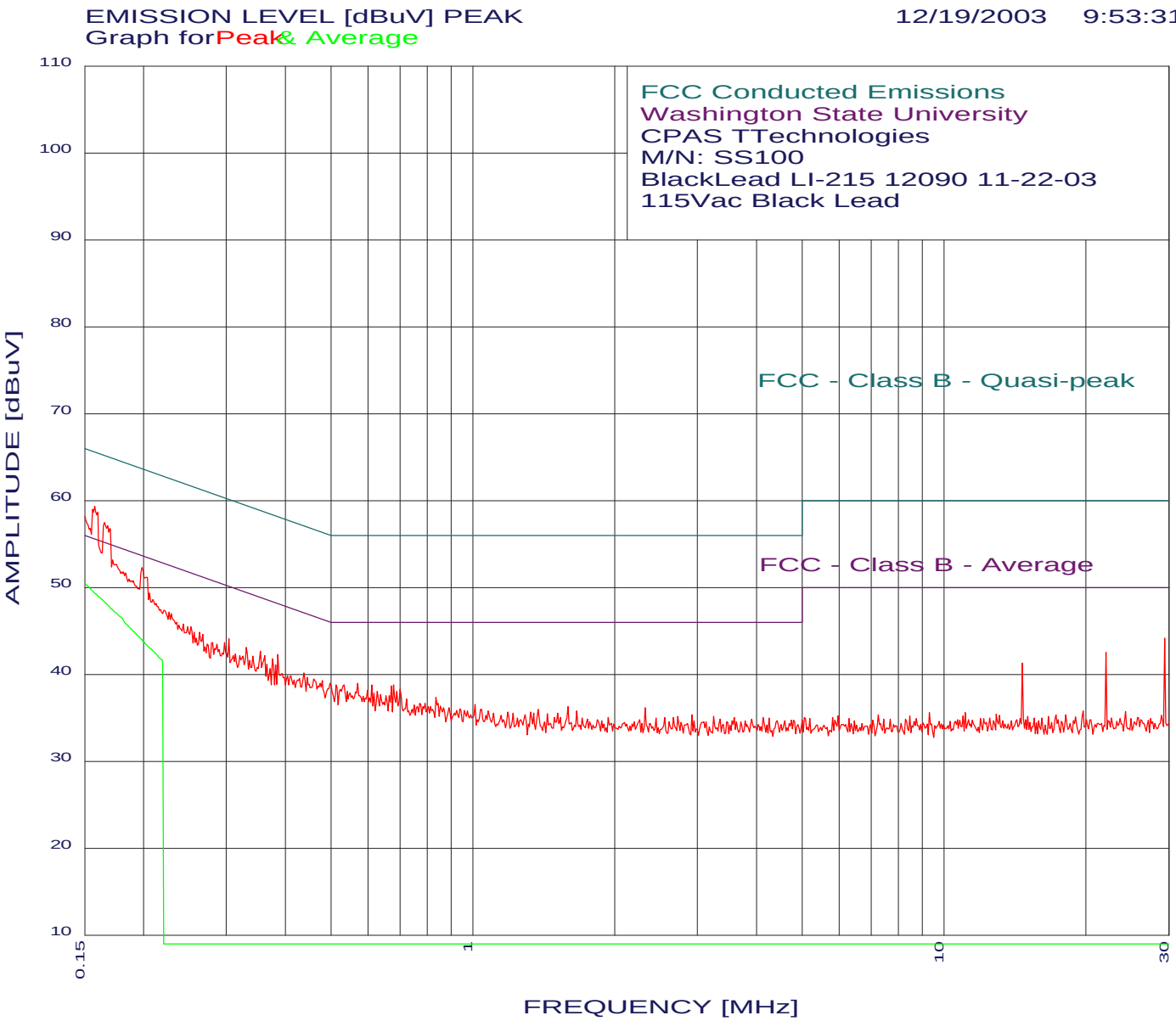
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Washington State University
CPAS TTechnologies
M/N: SS100
115Vac Black Lead
TEST ENGINEER : Kirit Ramani

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

* Please see average peaks and plot

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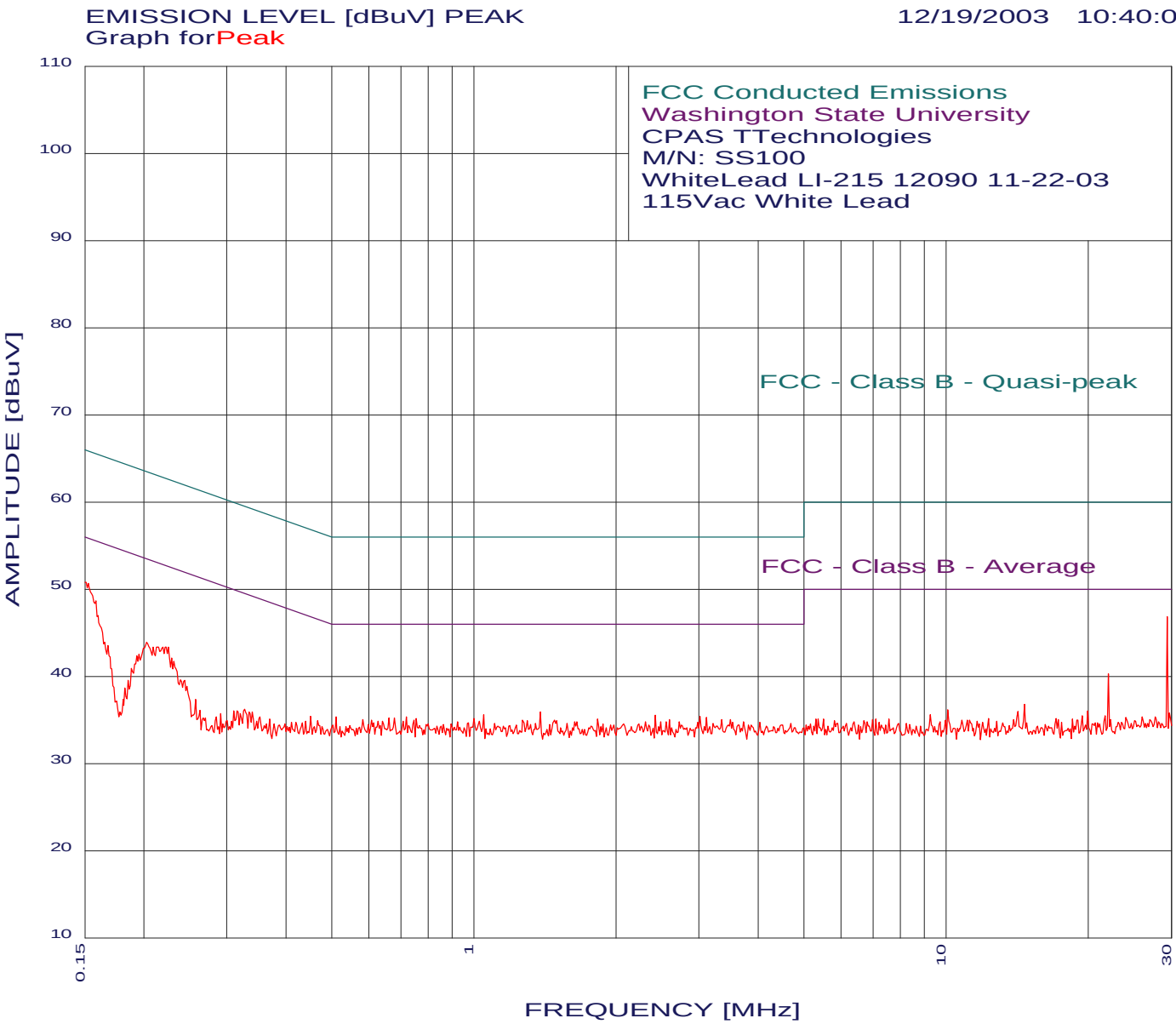
Washington State University
CPAS TTechnologies
M/N: SS100
115Vac Black Lead
TEST ENGINEER : Kirit Ramani

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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12/19/2003 10:40:01

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

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 π TECHONOLOGIES

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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MODEL: SS100 (with FG9026 Antenna)

FCC CLASS B - CONDUCTED EMISSIONS – 12-19-03

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

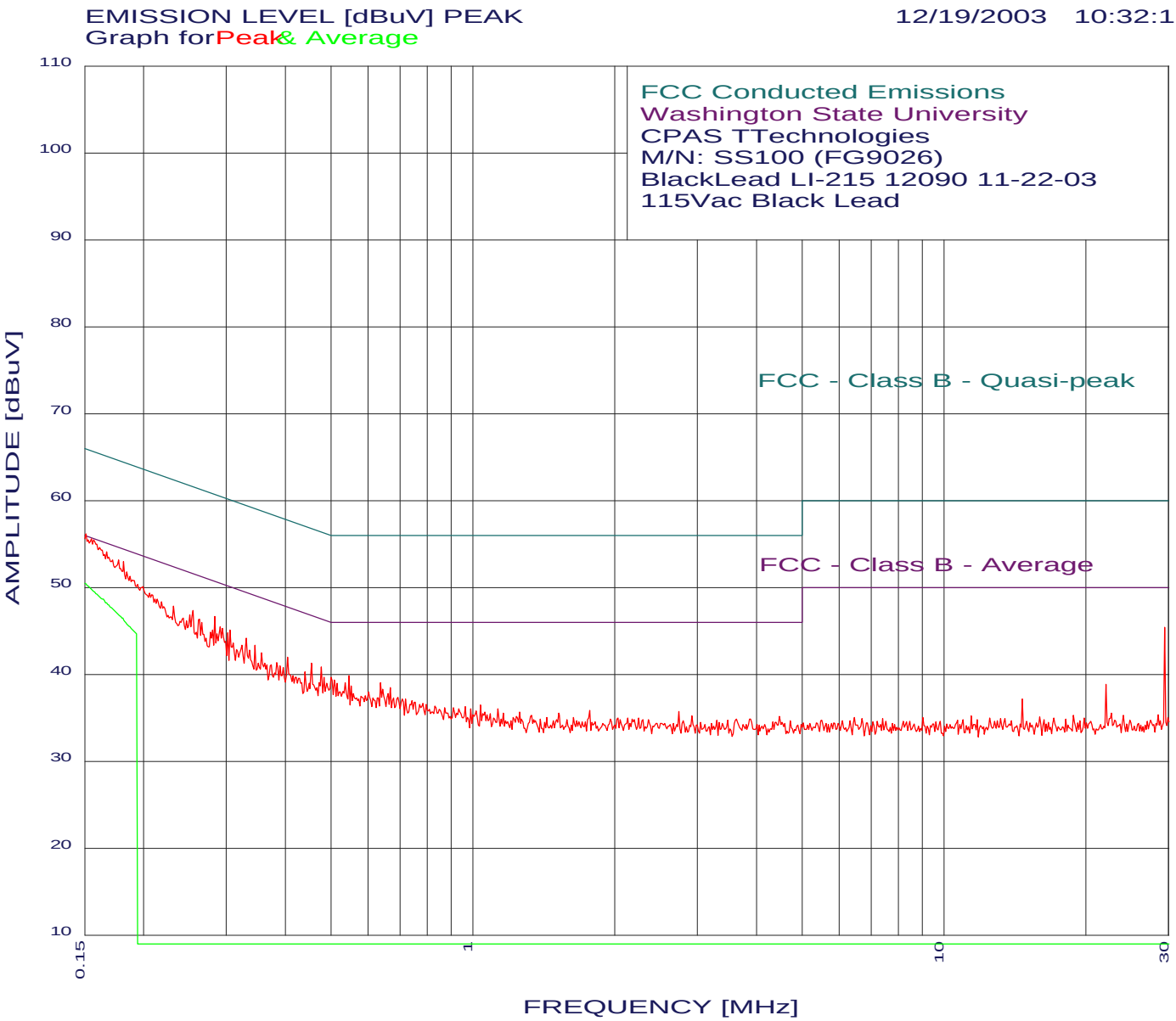
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Washington State University
CPAS TTechnologies
M/N: SS100 (FG9026)
115Vac Black Lead
TEST ENGINEER : Kirit Ramani

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

* 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

1 highest peaks above -50.00 dB of FCC - Class B - Average limit line

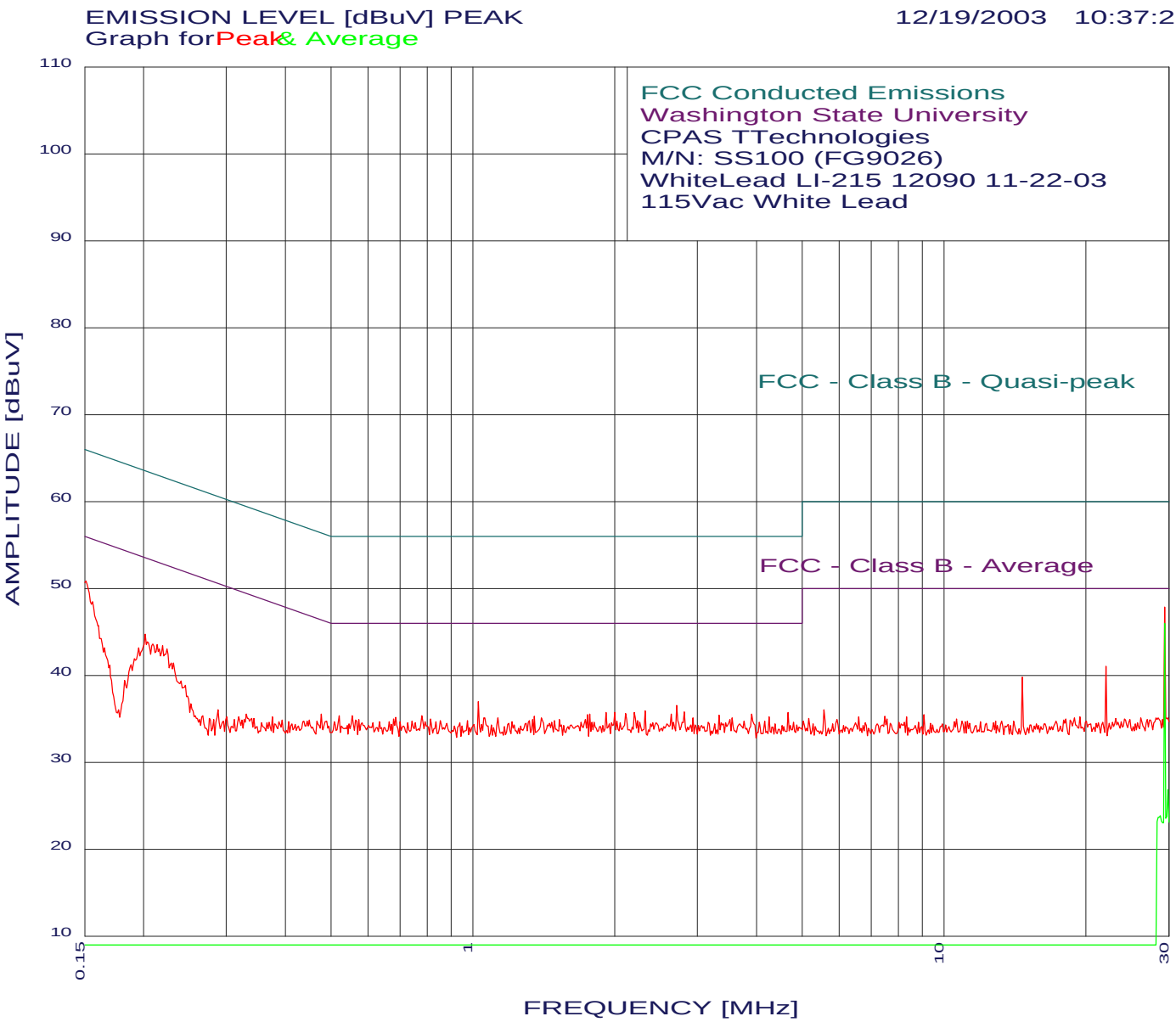
Peak criteria : 0.10 dB, Curve : Average

Peak# Freq(MHz) Amp(dBuV) Limit(dB) Delta(dB)

1	0.150	50.49	56.00	-5.51
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12/19/2003 10:37:25

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

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

* 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

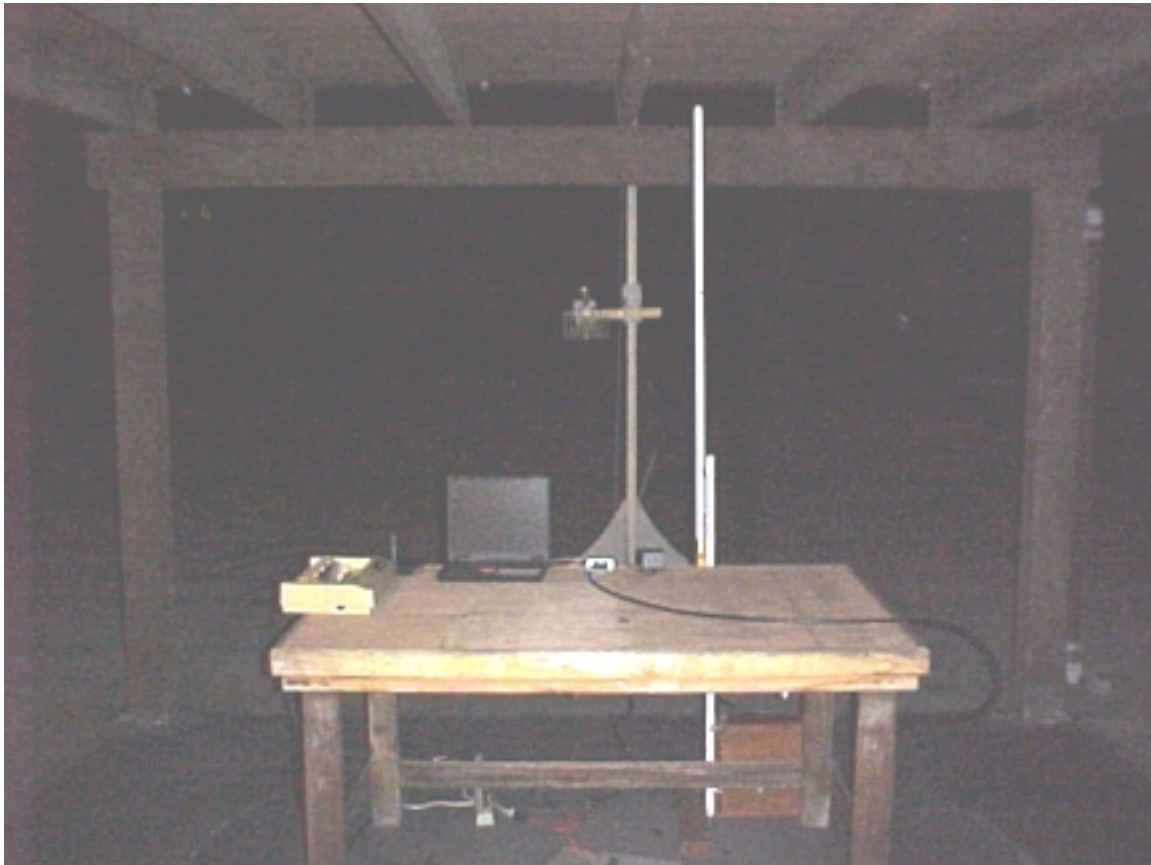
Peak criteria : 0.10 dB, Curve : Average

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 π TECHONOLOGIES

MODEL: SS100 (with FG9026 Antenna)

FCC CLASS B - RADIATED EMISSIONS – 12-19-03

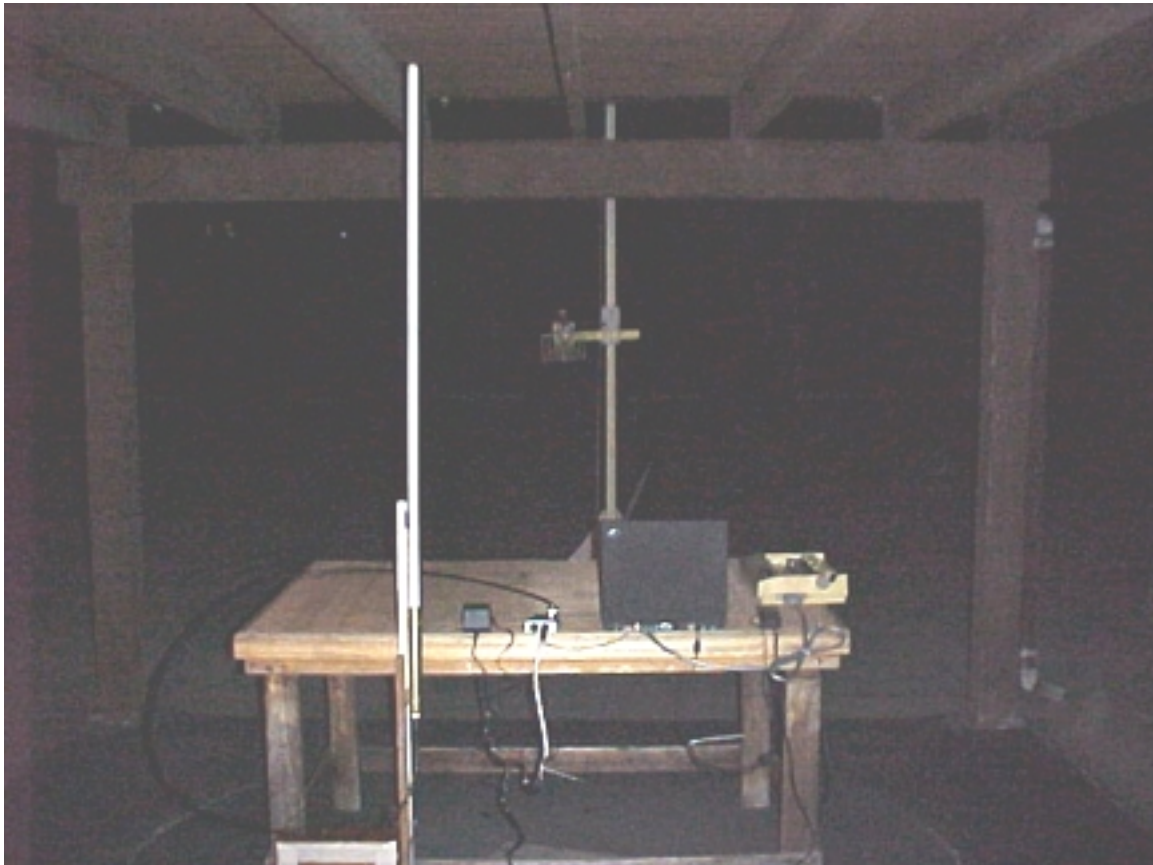
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REAR VIEW

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FCC CLASS B - RADIATED EMISSIONS – 12-15-03

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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

PAGE 1 of PAGE 10

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

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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

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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

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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

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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

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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

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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

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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

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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

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RADIATED EMISSION

EUT WITH AXH92RPSMT ANTENNA

PHOTOS AND DATA SHEET



FRONT VIEW

WASHINGTON STATE UNIVERSITY

CPAS π TECHONOLOGIES

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

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400



REAR VIEW

WASHINGTON STATE UNIVERSITY

CPAS π TECHONOLOGIES

MODEL: SS100 (with AXH92RPSMT Antenna)

FCC CLASS B - RADIATED EMISSIONS – 12-15-03

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400

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

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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

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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

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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

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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

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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

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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

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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

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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

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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

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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 MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L 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 MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L 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 MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L 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 TTechnologies	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 MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L 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