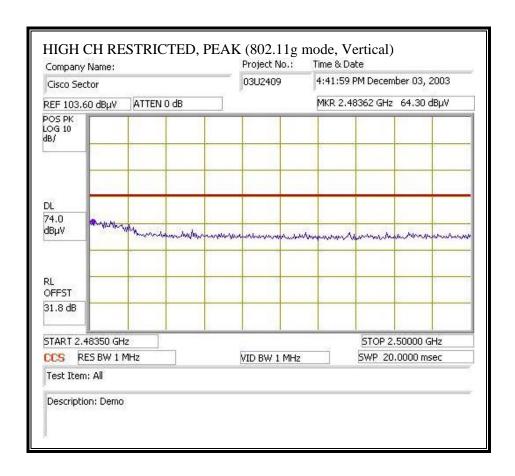
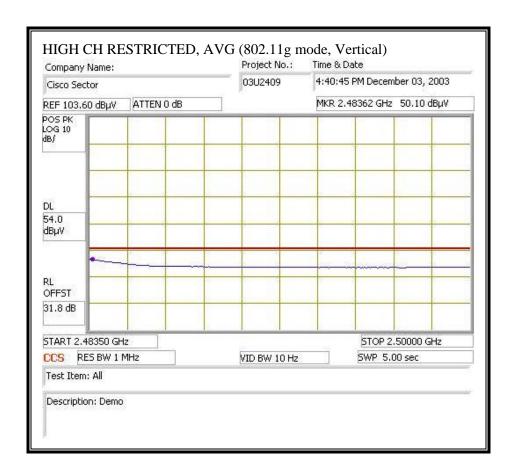
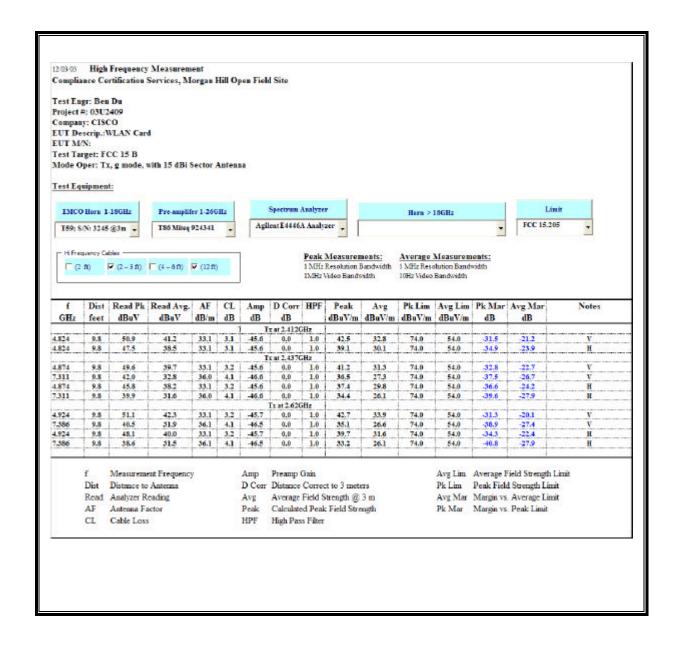


RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, VERTICAL)





HARMONICS AND SPURIOUS EMISSIONS (g MODE)



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7.9.7. RADIATED EMISSIONS WITH 21 dBi DISH ANTENNA

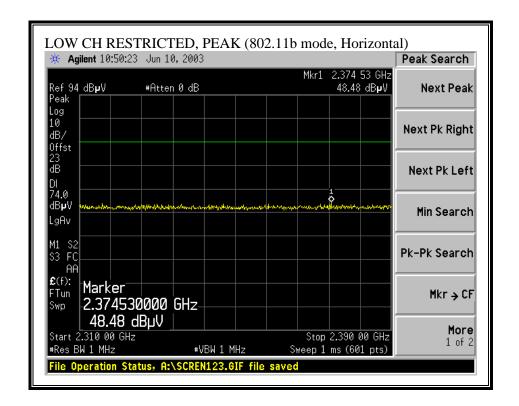
RADIATED RF MEASUREMENT SETUP

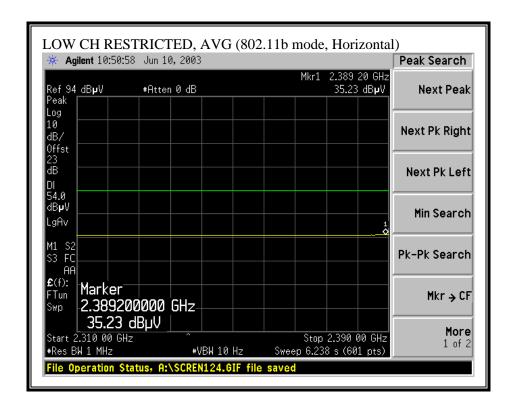


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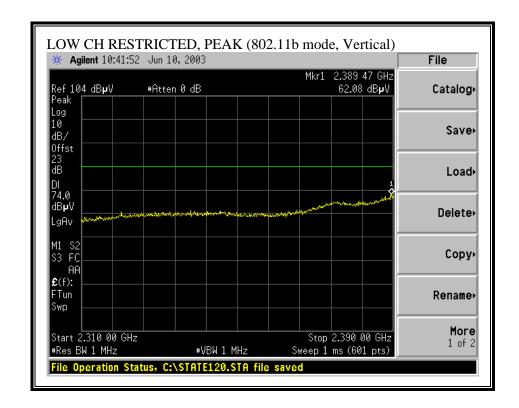


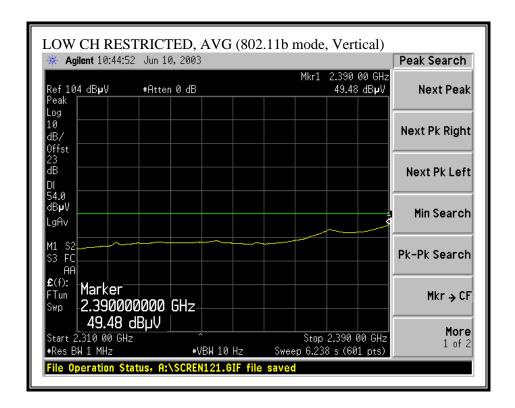
RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, HORIZONTAL)



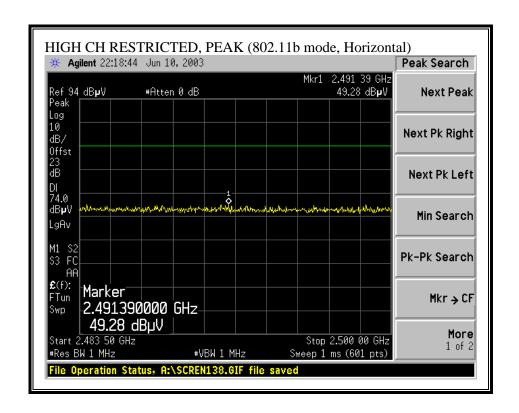


RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, VERTICAL)

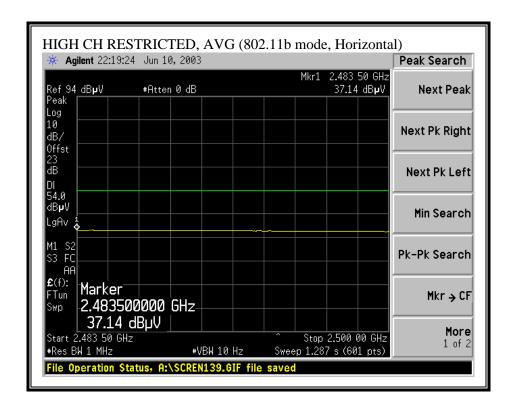




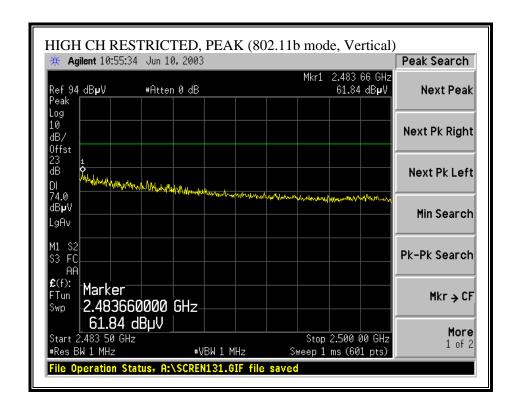
RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, HORIZONTAL)

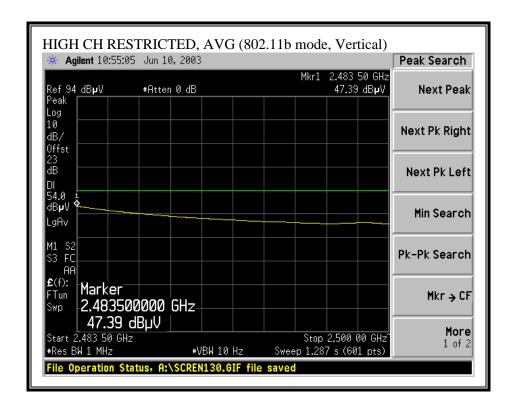


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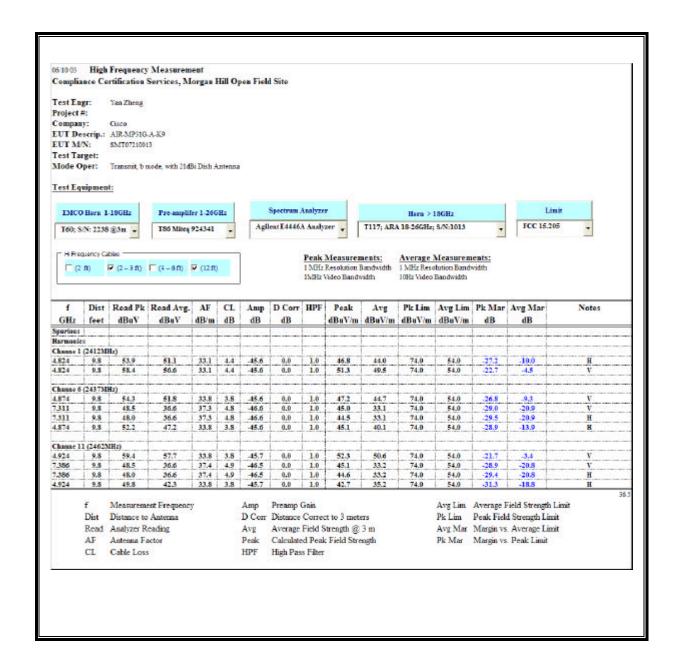


RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, VERTICAL)



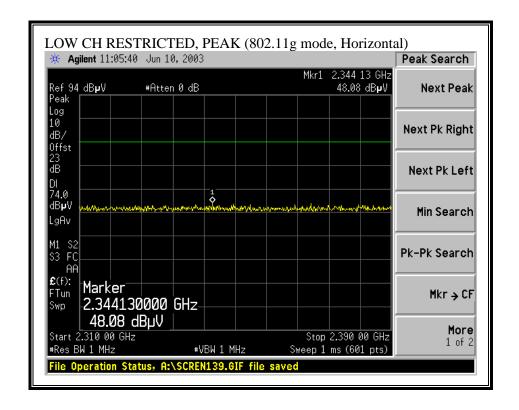


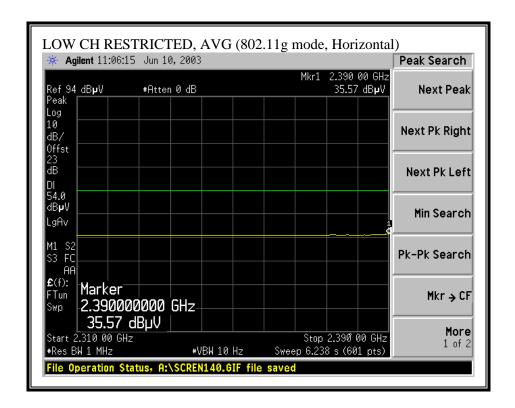
HARMONICS AND SPURIOUS EMISSIONS (b MODE)



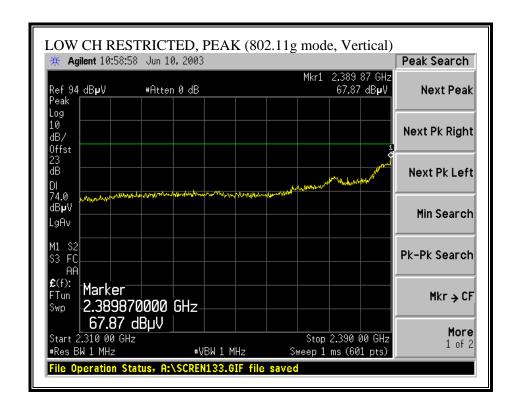
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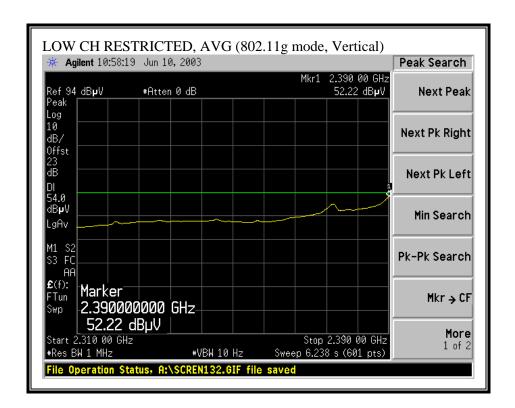
RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, HORIZONTAL)



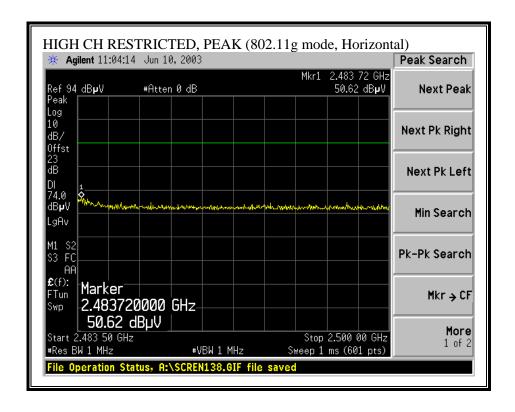


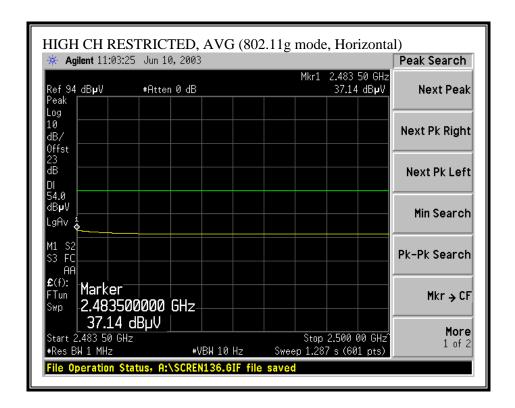
RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, VERTICAL)



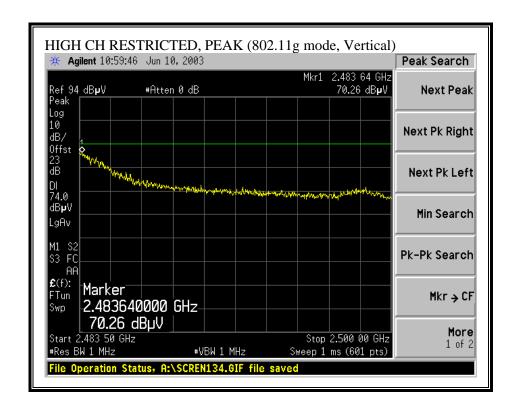


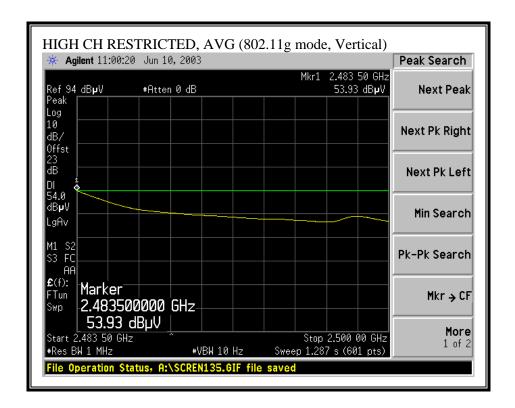
RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, HORIZONTAL)



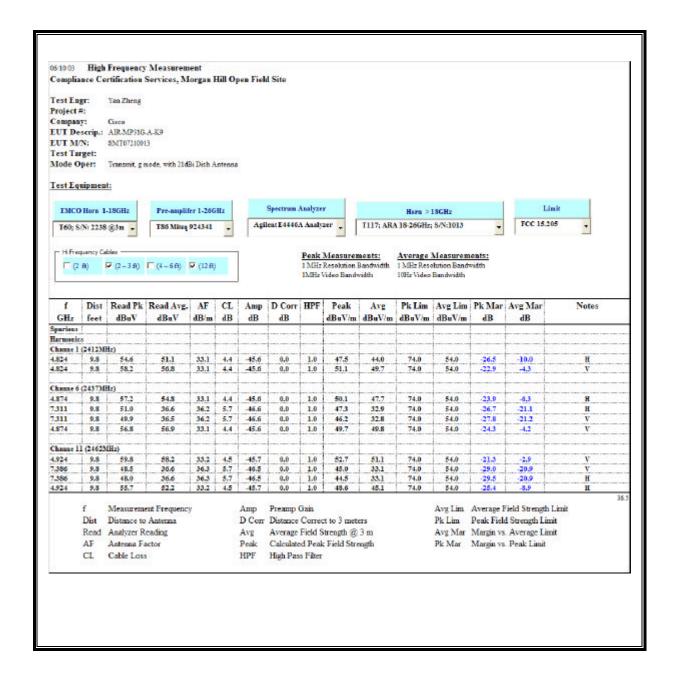


RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, VERTICAL)





HARMONICS AND SPURIOUS EMISSIONS (g MODE)



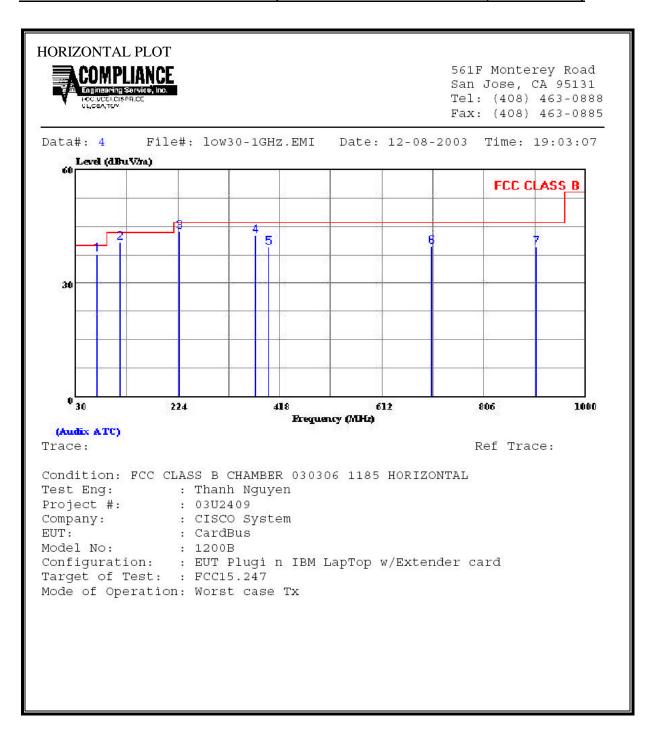
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DATE: DECEMBER 29, 2003

FCC ID: LDK102052P

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)

7.9.8. WORST-CASE RADIATED EMISSIONS BELOW 1 GHz

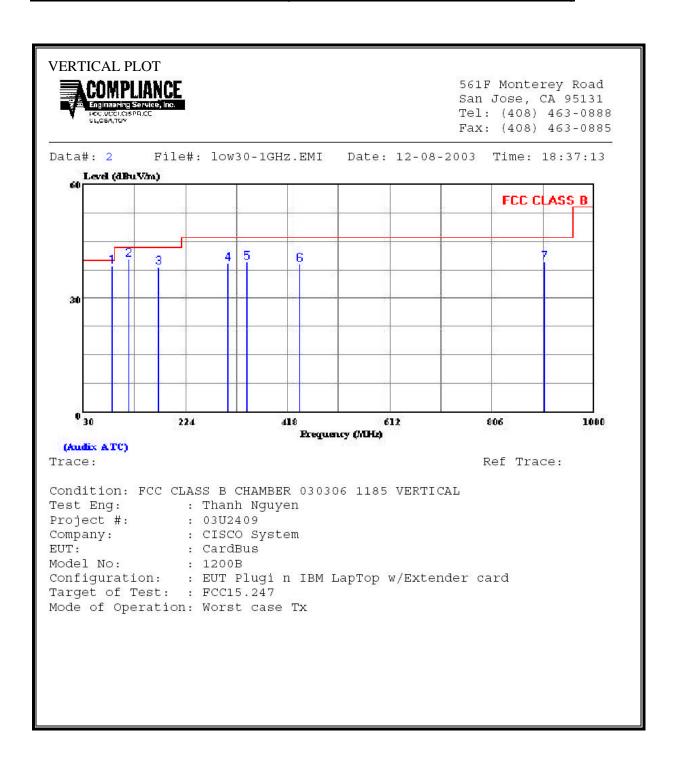


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MHz dBuV dB dBuV/m dBuV/m dB 70.740 Peak 29.00 8.55 37.55 40.00 -2.45 113.420 Peak 29.65 11.06 40.71 43.50 -2.79 227.880 Peak 31.54 12.07 43.61 46.00 -2.39 371.440 Peak 26.67 15.80 42.47 46.00 -3.53 397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24	MHz dBuV dB dBuV/m dBuV/m dB 70.740 Peak 29.00 8.55 37.55 40.00 -2.45 113.420 Peak 29.65 11.06 40.71 43.50 -2.79 227.880 Peak 31.54 12.07 43.61 46.00 -2.39 371.440 Peak 26.67 15.80 42.47 46.00 -3.53 397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24		Freq	Remark	Read Level	Factor	Level		Over Limit
70.740 Peak 29.00 8.55 37.55 40.00 -2.45 113.420 Peak 29.65 11.06 40.71 43.50 -2.79 227.880 Peak 31.54 12.07 43.61 46.00 -2.39 371.440 Peak 26.67 15.80 42.47 46.00 -3.53 397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24	70.740 Peak 29.00 8.55 37.55 40.00 -2.45 113.420 Peak 29.65 11.06 40.71 43.50 -2.79 227.880 Peak 31.54 12.07 43.61 46.00 -2.39 371.440 Peak 26.67 15.80 42.47 46.00 -3.53 397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24	es.			dBuV	dB	dBuV/m	dBuV/m	dB
113.420 Peak 29.65 11.06 40.71 43.50 -2.79 227.880 Peak 31.54 12.07 43.61 46.00 -2.39 371.440 Peak 26.67 15.80 42.47 46.00 -3.53 397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24	113.420 Peak 29.65 11.06 40.71 43.50 -2.79 227.880 Peak 31.54 12.07 43.61 46.00 -2.39 371.440 Peak 26.67 15.80 42.47 46.00 -3.53 397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24				abar		az a , ,	a2 a 7	42
227.880 Peak 31.54 12.07 43.61 46.00 -2.39 371.440 Peak 26.67 15.80 42.47 46.00 -3.53 397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24	227.880 Peak 31.54 12.07 43.61 46.00 -2.39 371.440 Peak 26.67 15.80 42.47 46.00 -3.53 397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24		70.740	Peak	29.00	8.55	37.55	40.00	-2.45
371.440 Peak 26.67 15.80 42.47 46.00 -3.53 397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24	371.440 Peak 26.67 15.80 42.47 46.00 -3.53 397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24		113.420	Peak	29.65	11.06	40.71	43.50	-2.79
397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24	397.630 Peak 23.19 16.40 39.59 46.00 -6.41 706.090 Peak 18.37 21.39 39.76 46.00 -6.24		227.880	Peak	31.54	12.07	43.61	46.00	-2.39
706.090 Peak 18.37 21.39 39.76 46.00 -6.24	706.090 Peak 18.37 21.39 39.76 46.00 -6.24		371.440	Peak	26.67	15.80	42.47	46.00	-3.53
			397.630	Peak	23.19	16.40	39.59	46.00	-6.41
904.940 Peak 15.72 23.83 39.55 46.00 -6.45	904.940 Peak 15.72 23.83 39.55 46.00 -6.45		706.090	Peak	18.37	21.39	39.76	46.00	-6.24
			904.940	Peak	15.72	23.83	39.55	46.00	-6.45

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SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)



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	Freq	Remark	Read Level	Factor	Level	Limit Line	Over Limit
	MHz	<u> </u>	dBuV	dB	dBuV/m	dBuV/m	dB
Ĺ	85.290	Peak	30.19	8.16	38.35	40.00	-1.65
2	116.330	Peak	28.99	11.31	40.30	43.50	-3.20
3	172.590	Peak	28.14	10.16	38.30	43.50	-5.20
4	303.540	Peak	25.23	13.89	39.12	46.00	-6.88
5	339.430	Peak	24.53	14.93	39.46	46.00	-6.54
6	440.310	Peak	21.38	17.49	38.87	46.00	-7.13
7	904.940	Peak	15.53	23.83	39.36	46.00	-6.64

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7.10. POWERLINE CONDUCTED EMISSIONS

LIMIT

 $\S15.207$ (a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal.

DATE: DECEMBER 29, 2003

FCC ID: LDK102052P

The lower limit applies at the boundary between the frequency ranges.

Frequency of Emission (MHz)	Conducted L	imit (dBuV)
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

The resolution bandwidth is set to 9 kHz for both peak detection and quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

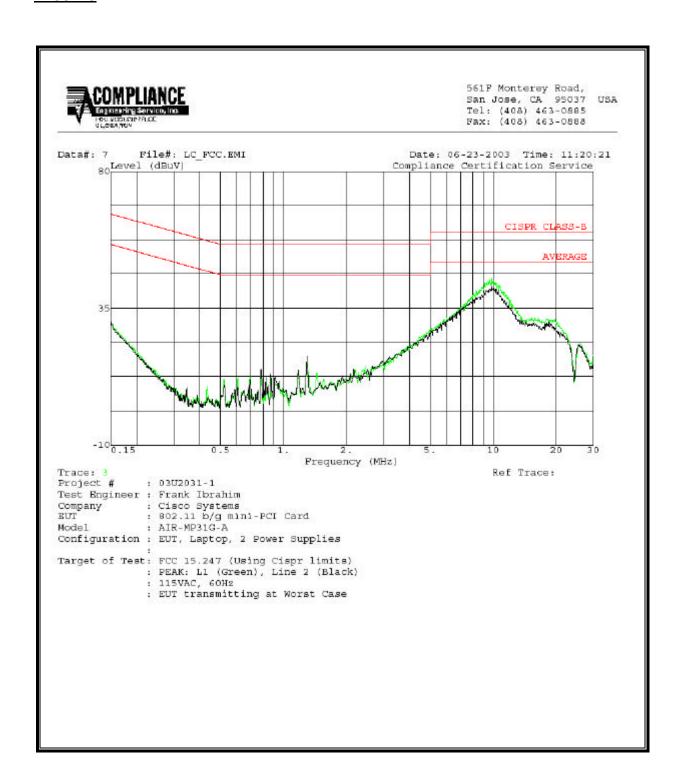
No non-compliance noted:

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6 WORST EMISSIONS

	CONDUCTED EMISSIONS DATA (115VAC 60Hz)									
Freq.	Reading			Closs	Limit	EN_B	Margin		Remark	
(MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	(dB)	QP	AV	QP (dB)	AV (dB)	L1 / L2	
0.15	29.28			0.00	66.00	56.00	-36.72	-26.72	L1	
9.86	45.06			0.00	60.00	50.00	-14.94	-4.94	L1	
18.14	31.58			0.00	60.00	50.00	-28.42	-18.42	L1	
0.15	30.70			0.00	65.97	55.97	-35.27	-25.27	L2	
9.86	42.42			0.00	60.00	50.00	-17.58	-7.58	L2	
18.52	30.54			0.00	60.00	50.00	-29.46	-19.46	L2	
6 Worst I	 Data 									

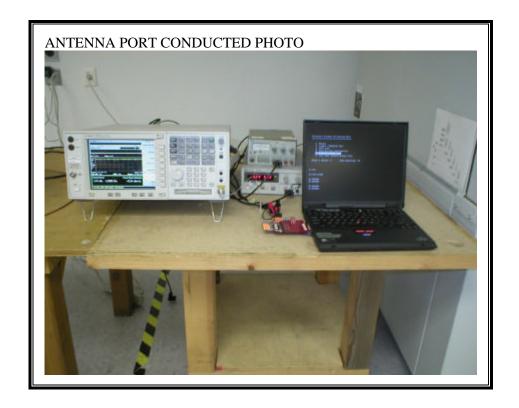
RESULTS



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8. SETUP PHOTOS

ANTENNA PORT CONDUCTED RF MEASUREMENT SETUP



RADIATED RF MEASUREMENT SETUP



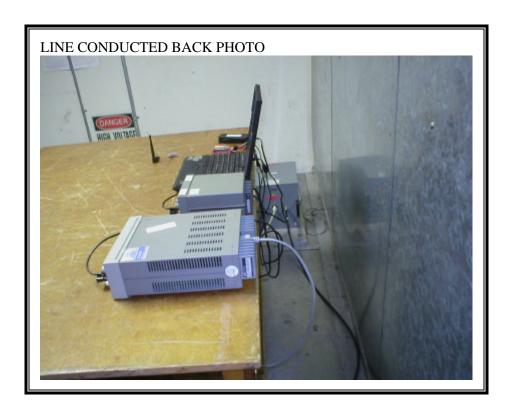
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POWERLINE CONDUCTED EMISSIONS MEASUREMENT SETUP



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END OF REPORT

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