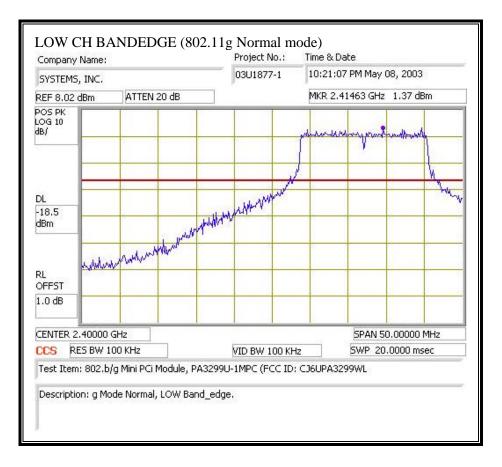
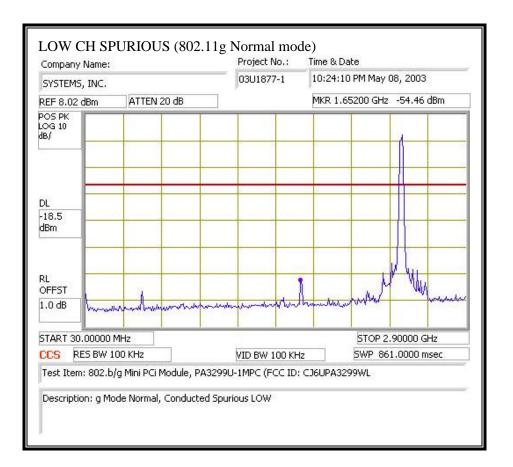


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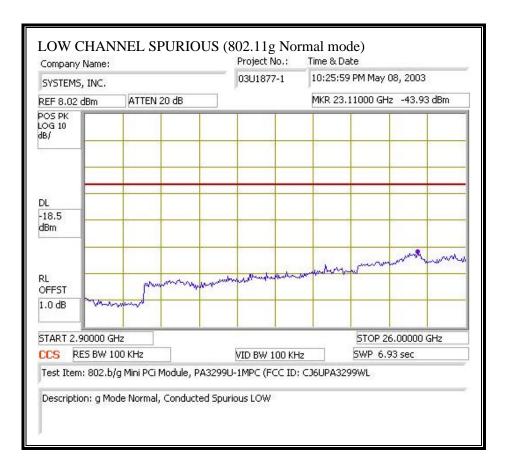
SPURIOUS EMISSIONS, LOW CHANNEL (802.11g NORMAL MODE)



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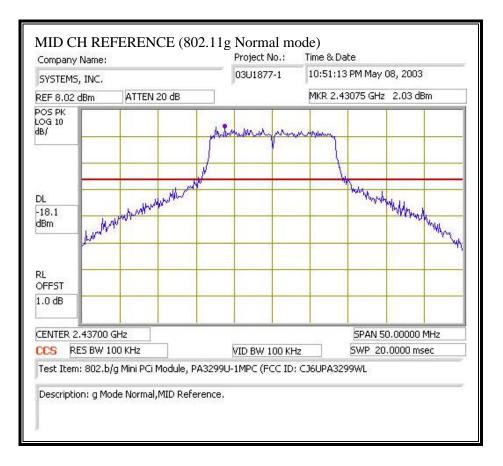


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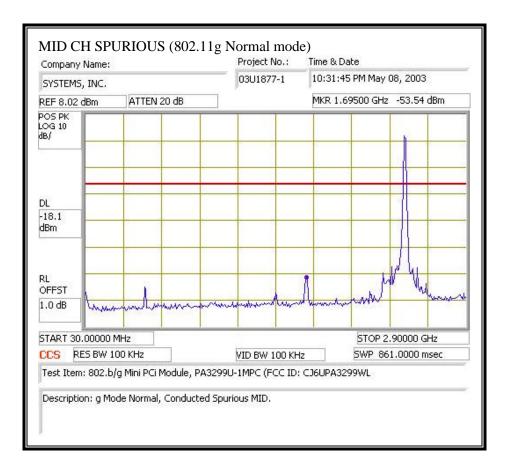


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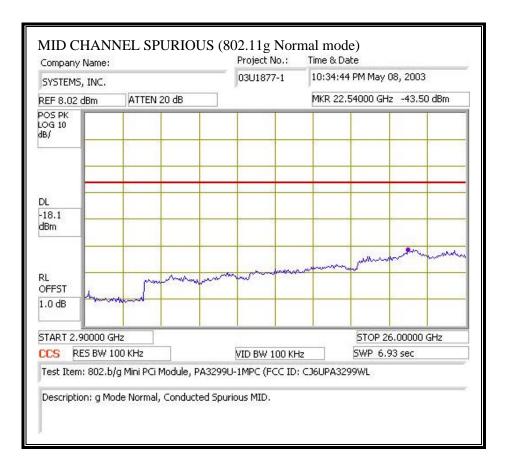
SPURIOUS EMISSIONS, MID CHANNEL (802.11g NORMAL MODE)



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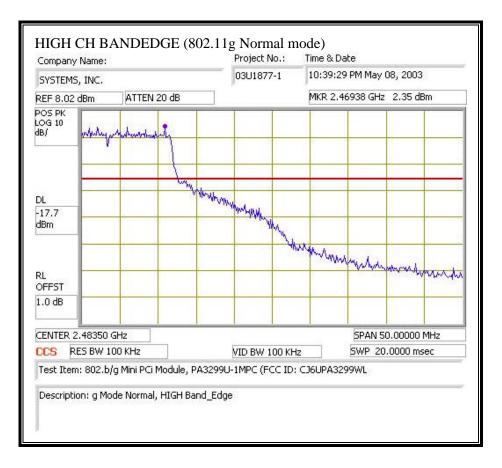


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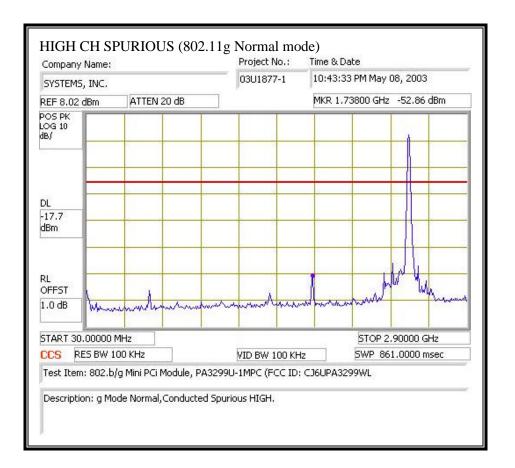


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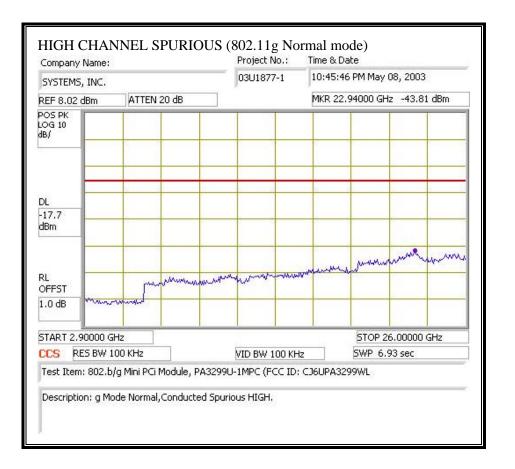
SPURIOUS EMISSIONS, HIGH CHANNEL (802.11g NORMAL MODE)



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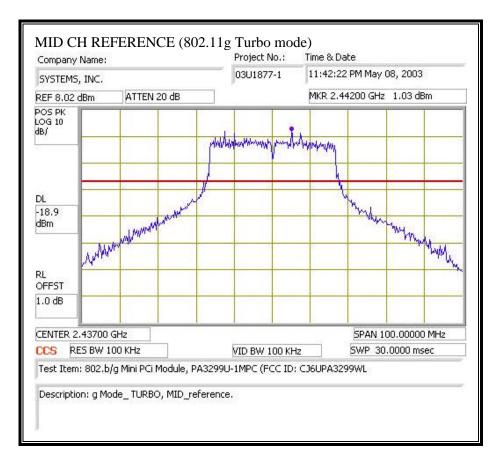


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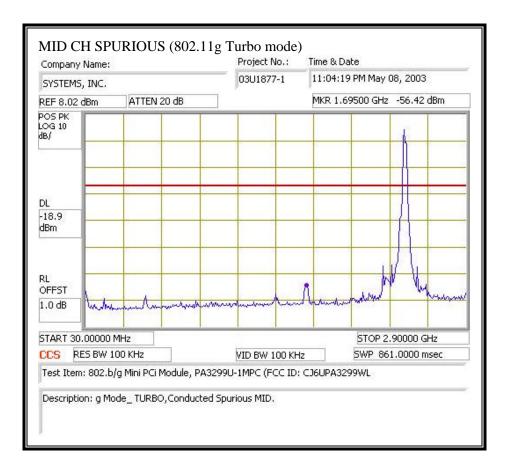


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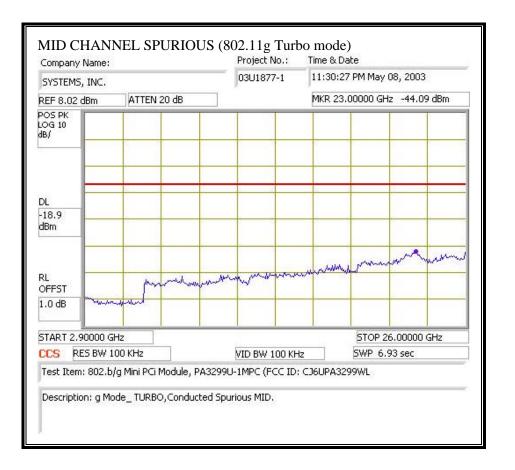
SPURIOUS EMISSIONS, MID CHANNEL (802.11g TURBO MODE)



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7.6. RADIATED EMISSIONS

LIMITS

\$15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41			

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

² Above 38.6

§15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

\$15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 - 88	100 **	3
88 - 216	150 **	3
216 - 960	200 **	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

§15.209 (b) In the emission table above, the tighter limit applies at the band edges.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.4. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels.

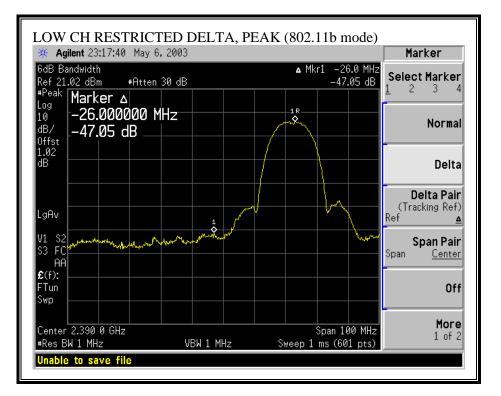
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

RESULTS

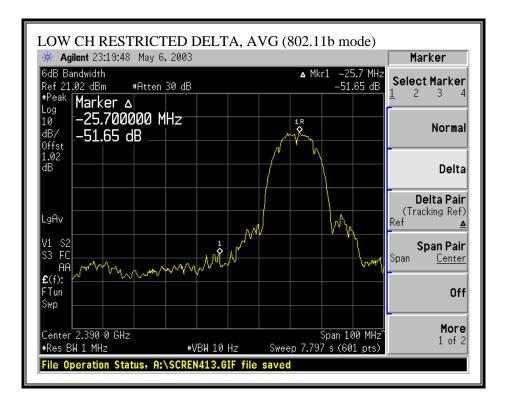
No non-compliance noted:

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RESTRICTED BANDEDGE DELTA (b MODE, LOW CHANNEL)

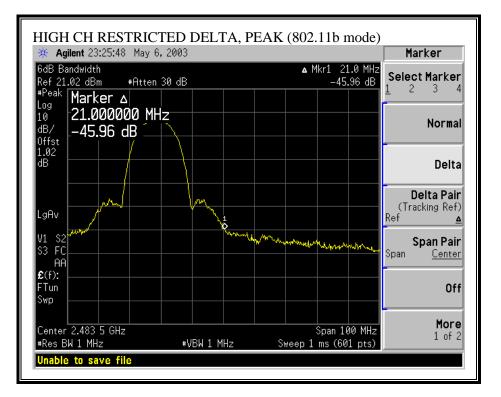


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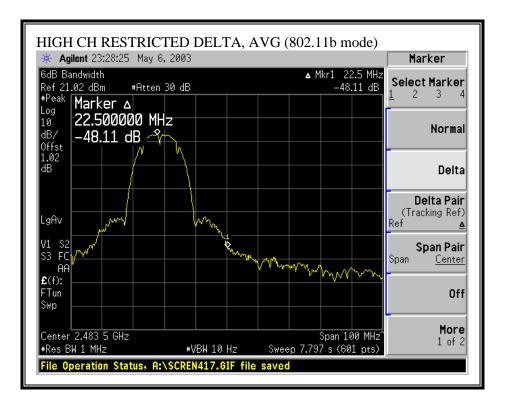


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RESTRICTED BANDEDGE DELTA (b MODE, HIGH CHANNEL)

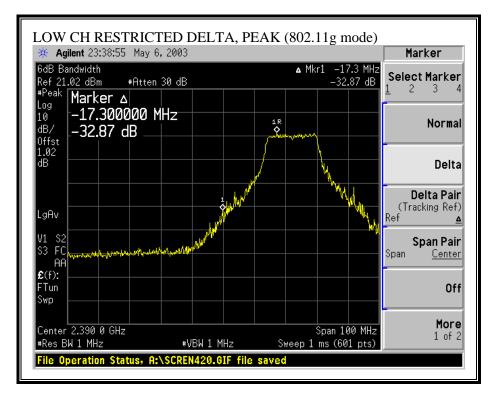


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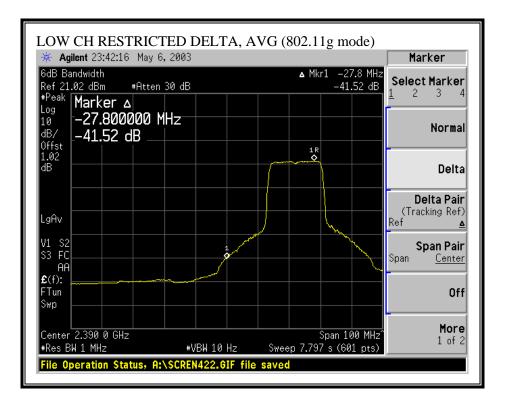


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RESTRICTED BANDEDGE DELTA (g MODE, LOW CHANNEL)

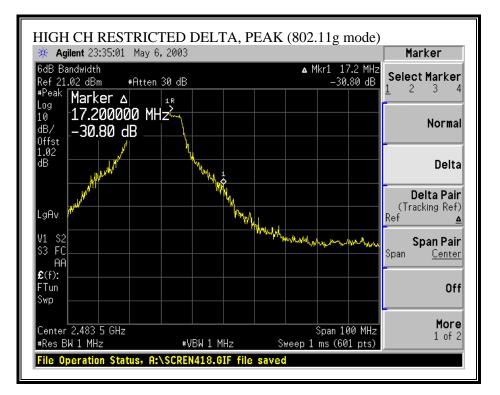


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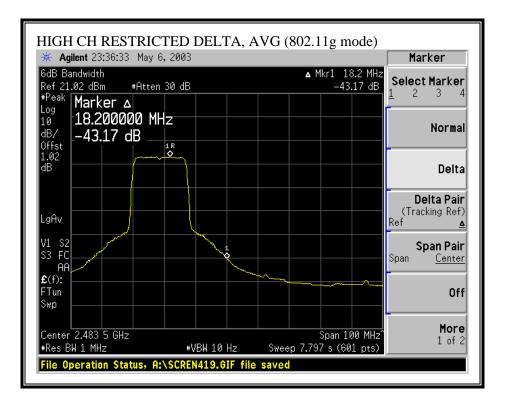


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RESTRICTED BANDEDGE DELTA (g MODE, HIGH CHANNEL)



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ADJACENT RESTRICTED BANDEDGE EMISSIONS (802.11b/g MODES)

UT Des	: TOSI crip.: 8	HBA AMEI)2.11b/g Mi	RICA INFOR ni PCI Modul (FCC ID: CJ	le		<i>,</i>	INC.								
lode Op	er:Trai	nsmit at LO	W , MID, HIC				l& Turbo	mode.							
ExtCO Horn 1-18GHz Pre-amplifer 1-26GHz Spectrum Analyzer Horn > 18GHz															
T73; S/N: 6717 @3m +		r re-ampine	Pre-amplifer 1-26GHz HP 8					•	T87; ARA 1	Horn > 18GHz i7; ARA 18-26GHz; S/N:1049		-			
Hi Freq	uency Cab ft)		☐ (4 ~ 6 ft)	✓ (12 ft)				1 MHz	Measureme Resolution F Video Bandy	Bandwidth		leasuremen dution Bandw Bandwidth			
f GHz	Dist feet	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	HPF	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m		Pk Mar dB	Avg Mar dB	Notes
2.412	9.8 9.8	73.3 68.4	68.0 63.5	29.2 29.2	1.5 1.5	0.0	0.0	0.0	104.0 99.1	98.7 94.2					b Mode/ V b Mode/ H
Bandedge	Delta		00.0	29.2	1.3	0.0	0.0	0.0	-47.1	-51.7			15.1		D MOUE/ H
Lower Res	tricted	Bandedge:							56.9	47.0	74.0	54.0	-17.1	-7.0	
2.462	9.8	71.7	66.4	29.3	1.6	0.0	0.0	0.0	102.5	97.3					b Mode/ V
.462	9.8	65.5	60.4	29.3	1.6	0.0	0.0	0.0	96.3	91.2					b Mode/ V b Mode/ H
Bandedge Upper Res		Bandedge:							-46.0 56.6	-48.1 49.2	74.0	54.0	-17.4	-4.8	
-															
2.412	9.8	73.8	63.9	29.2	1.5	0.0	0.0	0.0	104.5	94.6					g Mode V
2.412 Bandedge	9.8 Delta	66.8	56.6	29.2	1.5	0.0	0.0	0.0	97.5 -32.9	87.3 -41.5					g Mode H
		Bandedge:							71.6	53.1	74.0	54.0	-2.4	-0.9	
2.462 2.462	9.8 9.8	73.3 66.7	62.1 56.2	29.3 29.3	1.6 1.6	0.0	0.0	0.0	104.2 97.6	93.0 87.1					g Mode V g Mode H
2.462 Bandedge		00.7	50.2	29.3	1.0	0.0	0.0	0.0	-30.8	-43.2					g wiode H
Jpper Res	tricted l	Sandedge:							73.4	49.8	74.0	54.0	-0.6	-4.2	
f Measurement Frequency Dist Distance to Antenna Read Analyzer Reading AF Antenna Factor CL Cable Loss						Amp D Corr Avg Peak HPF	Average	Correct Field S ed Peal	ct to 3 mete Strength @ c Field Stre r	3 m		Pk Lim Avg Mar	Peak Field Margin vs	Field Streng d Strength L s. Average I s. Peak Limi	Limit Limit

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