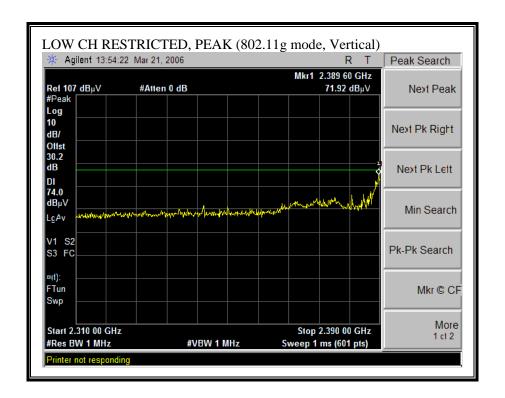
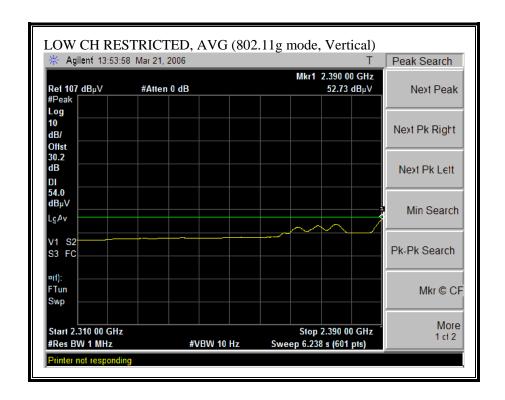
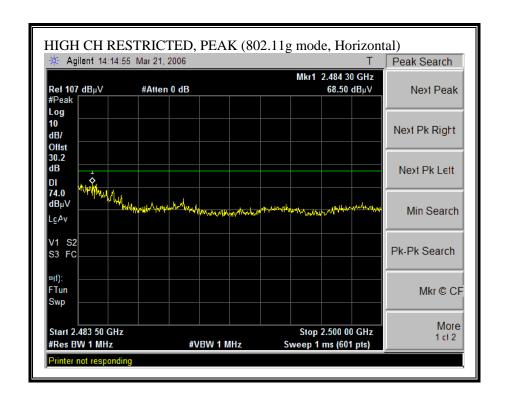


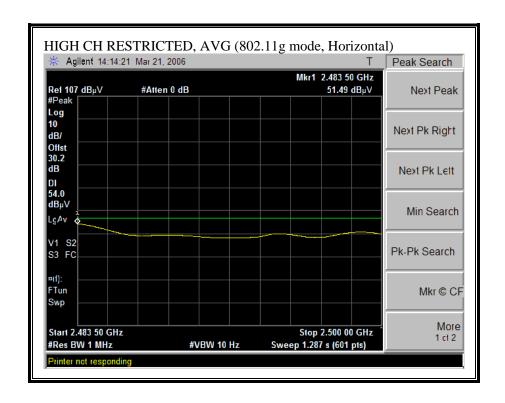
### RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, VERTICAL)



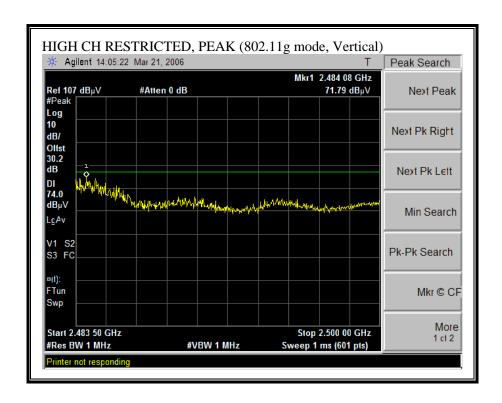


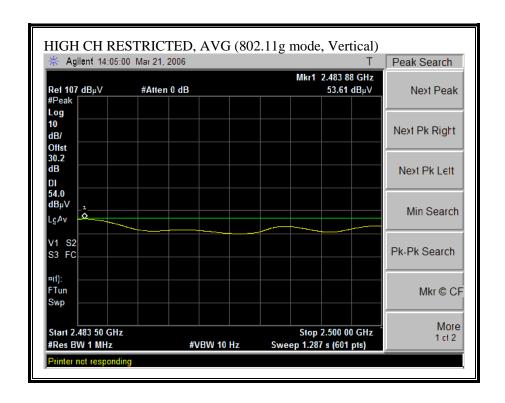
### RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, HORIZONTAL)



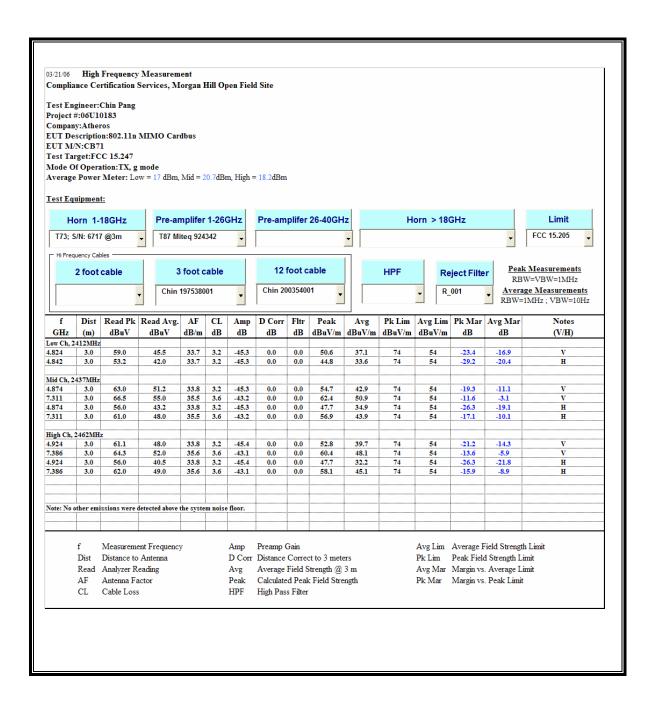


### RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, VERTICAL)



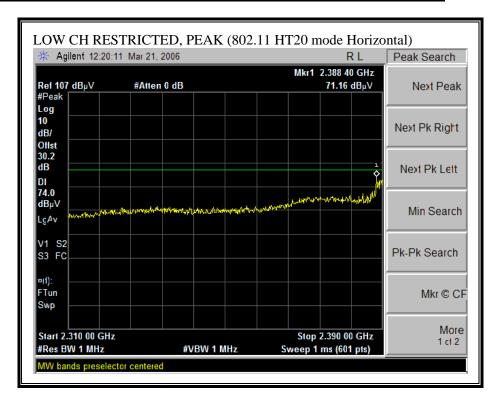


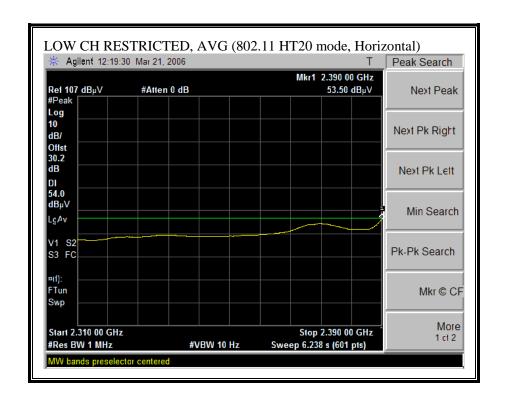
### **HARMONICS AND SPURIOUS EMISSIONS (g MODE)**



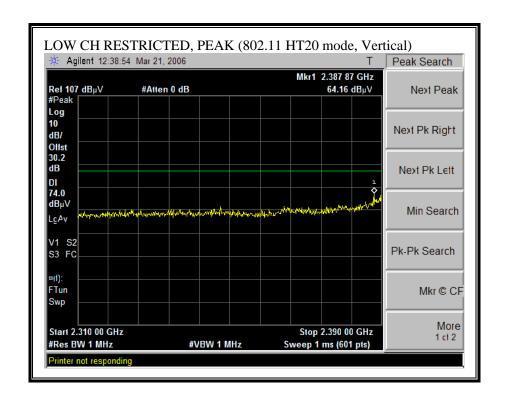
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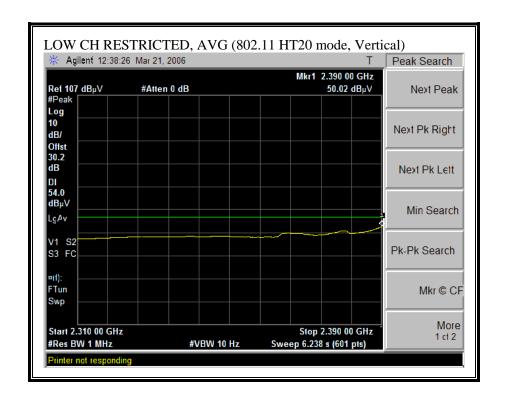
### RESTRICTED BANDEDGE 802.11 (HT20 MODE, LOW CHANNEL, HORIZONTAL



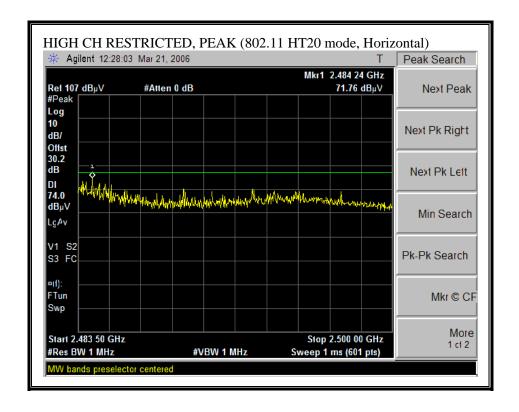


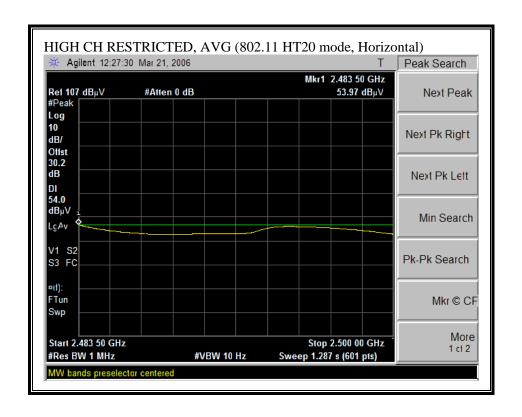
### RESTRICTED BANDEDGE (802.11 HT20 MODE, LOW CHANNEL, VERTICAL)



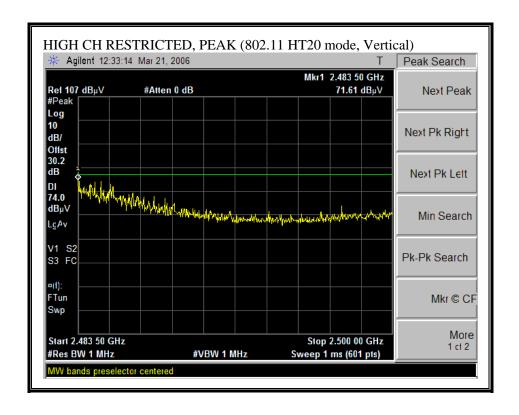


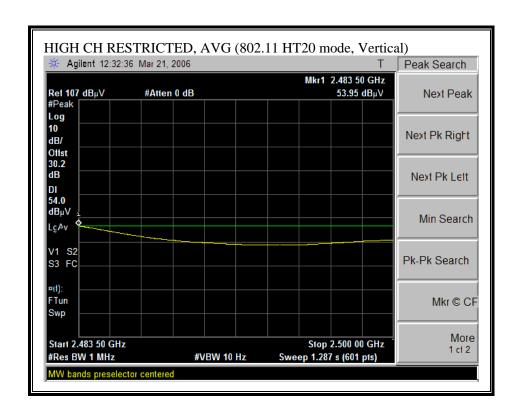
### RESTRICTED BANDEDGE (802.11 HT20 MODE, HIGH CHANNEL, HORIZONTAL)



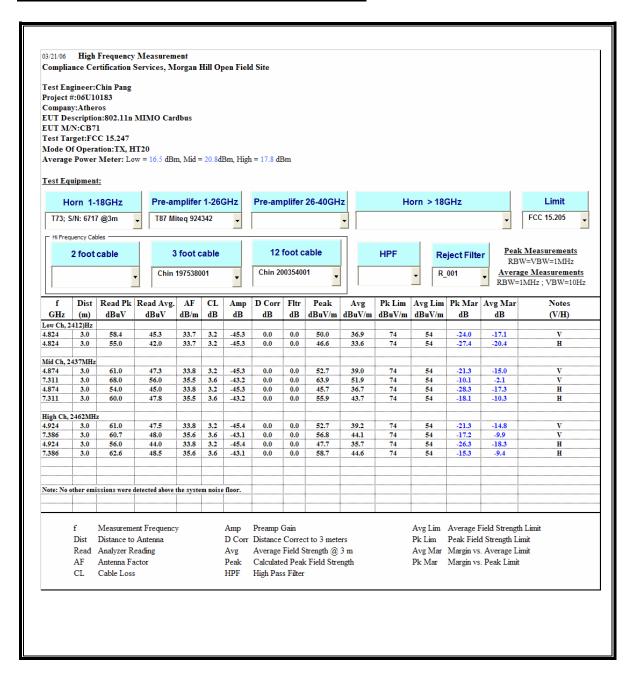


### RESTRICTED BANDEDGE (802.11 HT20 MODE, HIGH CHANNEL, VERTICAL)

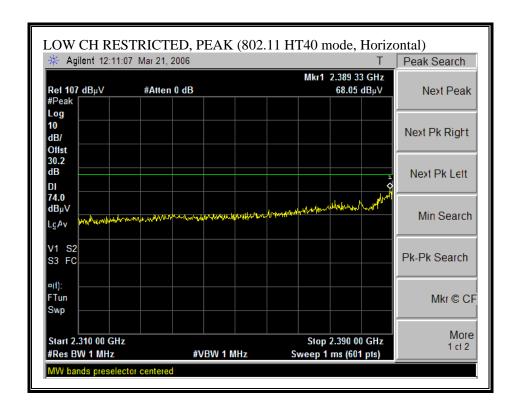


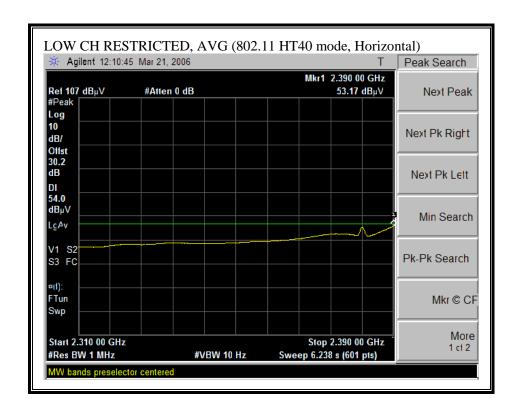


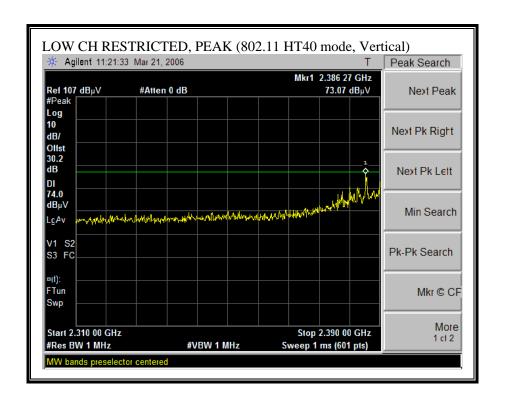
### **HARMONICS AND SPURIOUS EMISSIONS (HT20 MODE)**

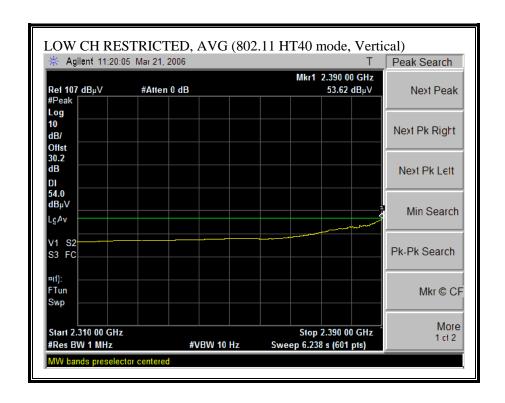


### LOW CH, 2422MHz RESTRICTED BANDEDGE (802.11 HT40 MODE, LOW CHANNEL, HORIZONTAL

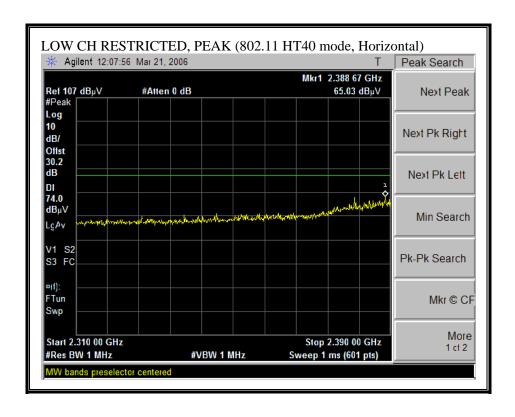


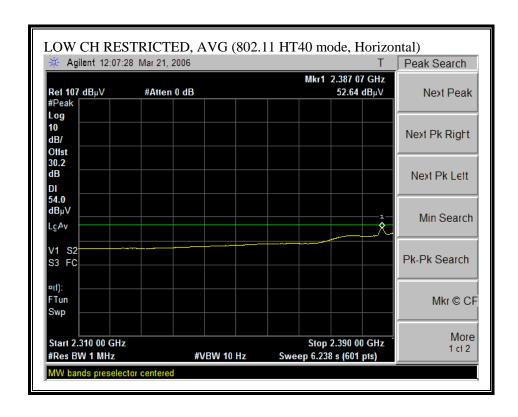


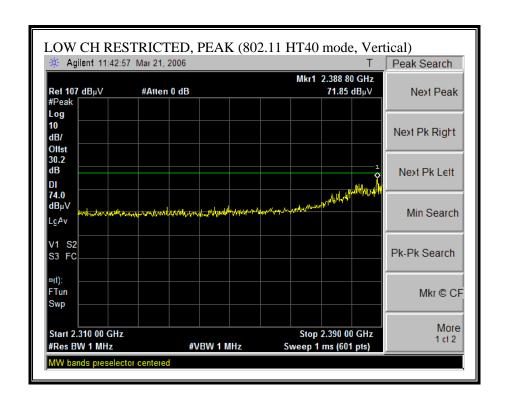


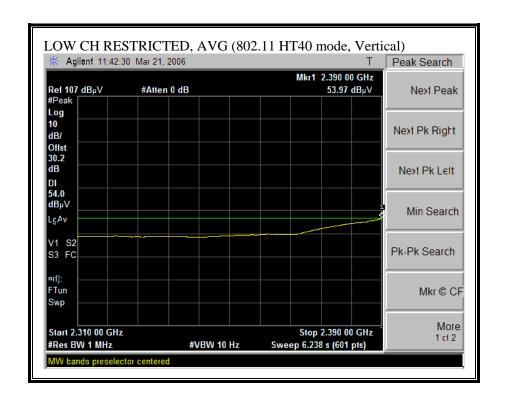


### SECOND LOW CH, 2427MHz RESTRICTED BANDEDGE (802.11 HT40 MODE, LOW CHANNEL, HORIZONTAL

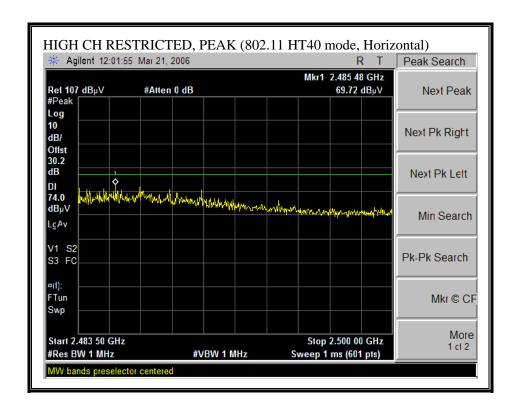


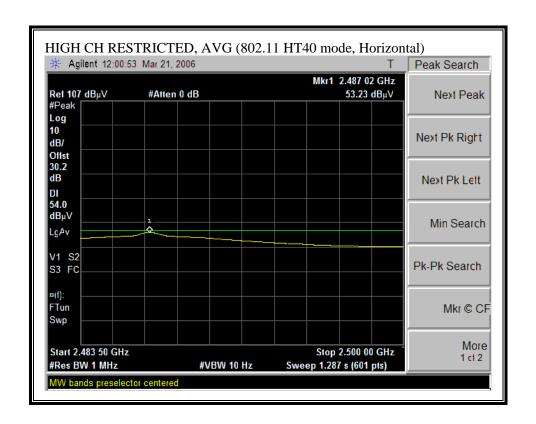




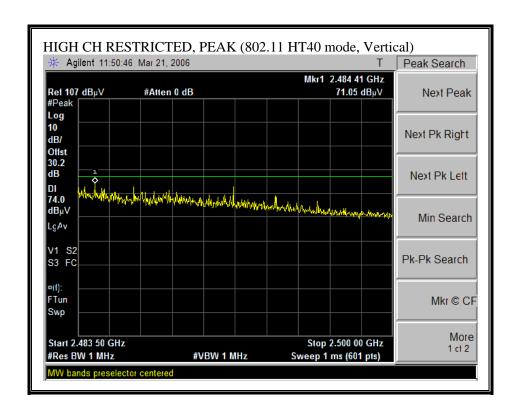


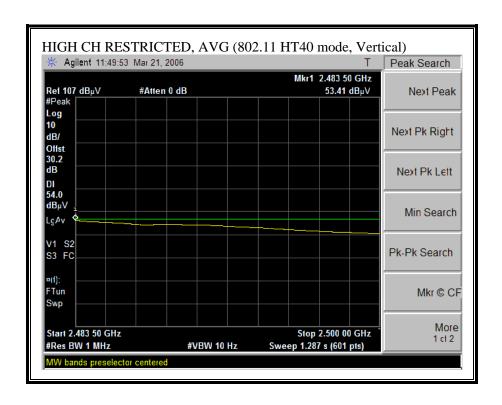
## SECOND HIGH CH, 2447MHz RESTRICTED BANDEDGE (HT40 MODE, HIGH CHANNEL, Horizontal)



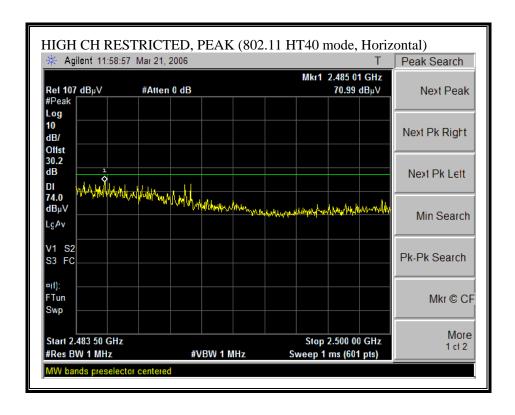


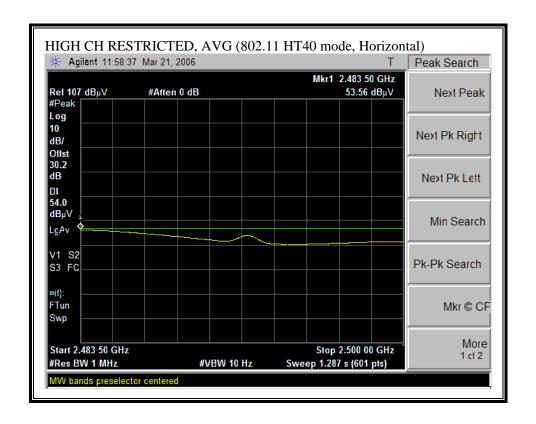
### RESTRICTED BANDEDGE (802.11 HT40 MODE, HIGH CHANNEL, Vertical)



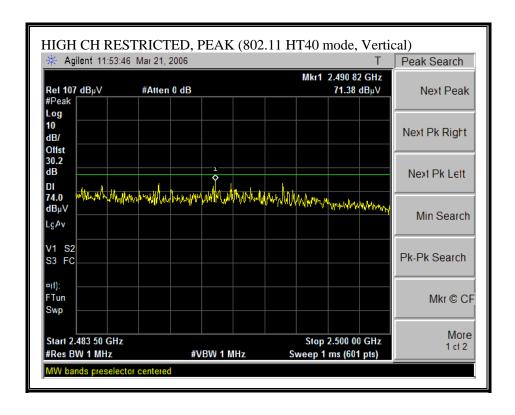


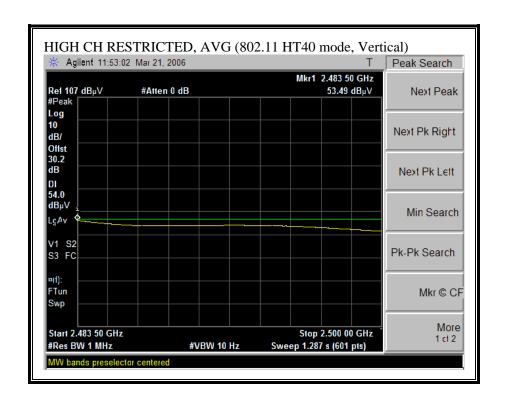
### HIGH CH, 2452MHz RESTRICTED BANDEDGE (802.11 HT40 MODE, HIGH CHANNEL, Horizontal)



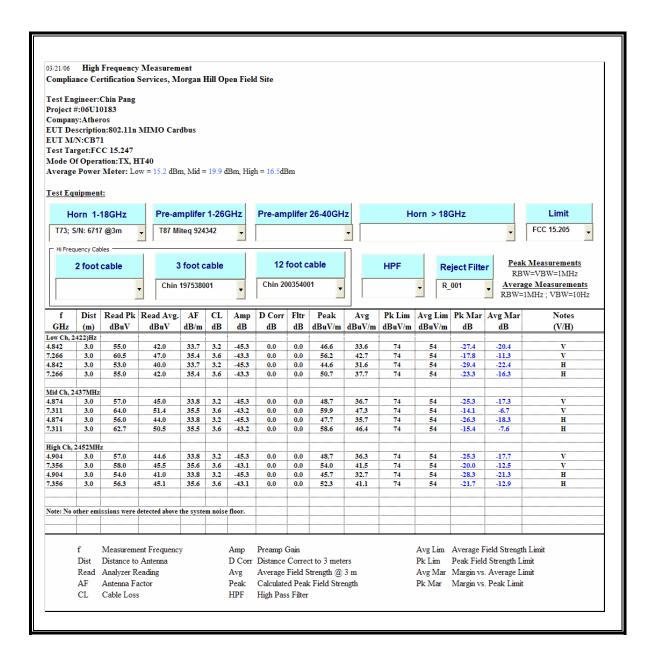


### RESTRICTED BANDEDGE (802.11 HT40 MODE, HIGH CHANNEL, Vertical)





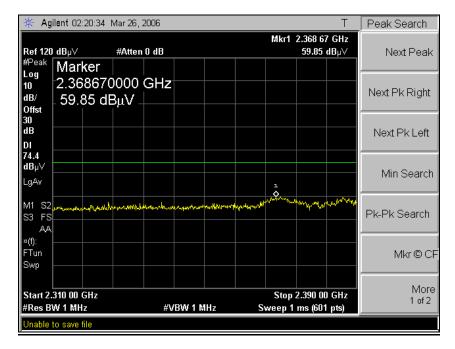
#### HARMONICS AND SPURIOUS EMISSIONS (802.11 HT40 MODE)

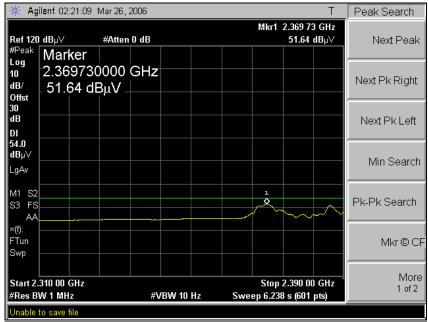


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# 7.2.3. TRANSMITTER ABOVE 1 GHz FOR 2400 TO 2483.5 MHz BAND (Alternate Housing)

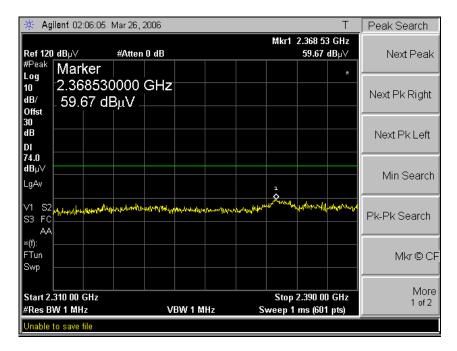
### RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, HORIZONTAL)

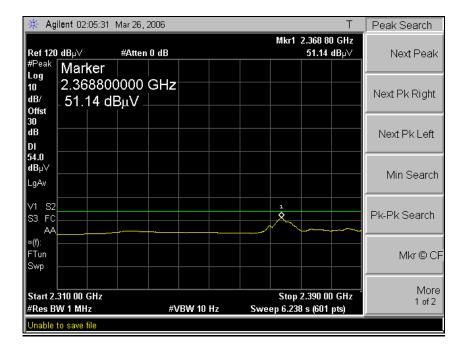




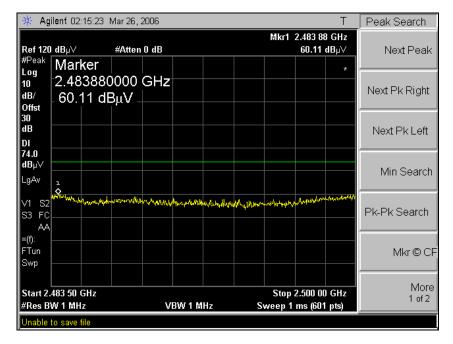
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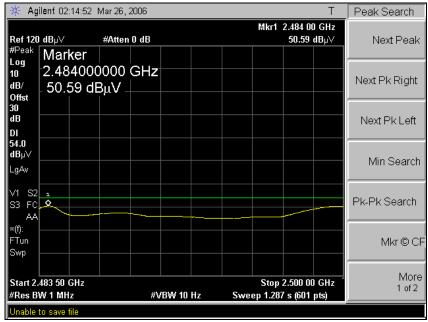
### RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, VERTICAL)



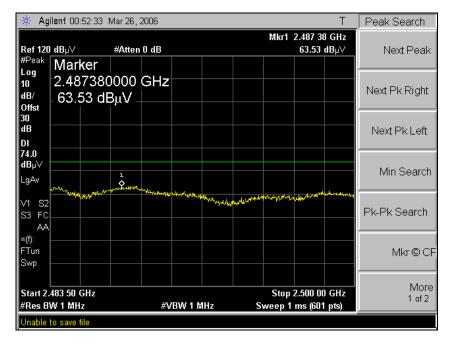


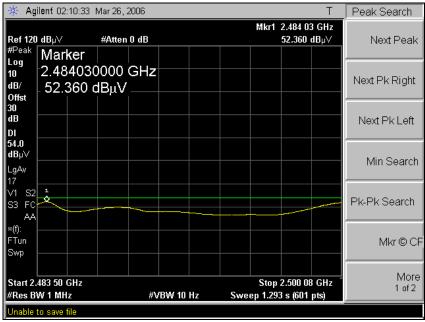
# RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, HORIZONTAL)



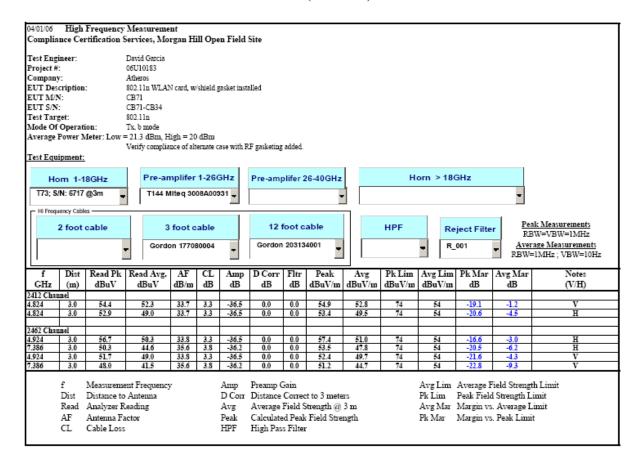


# RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, VERTICAL)

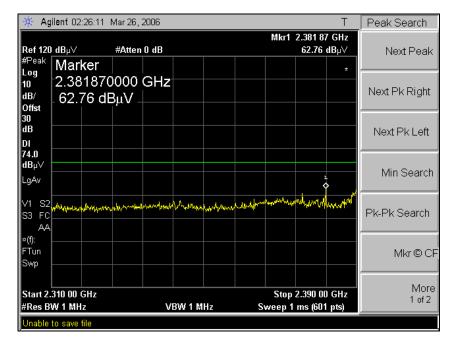


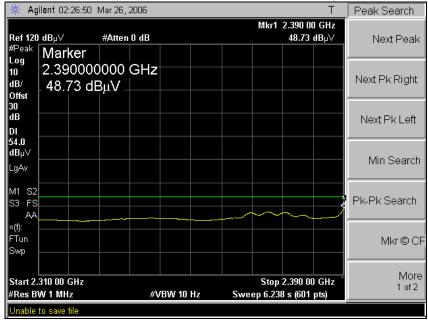


## HARMONICS AND SPURIOUS EMISSIONS (b MODE)

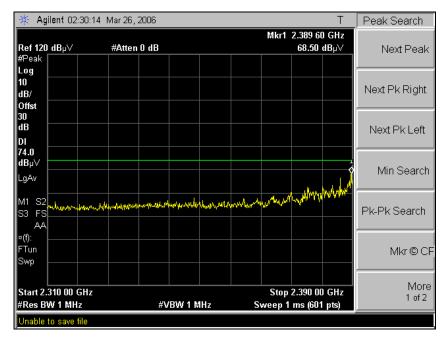


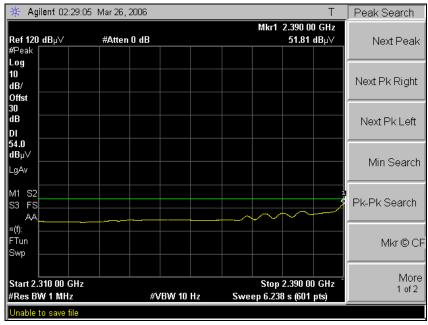
## RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, HORIZONTAL)





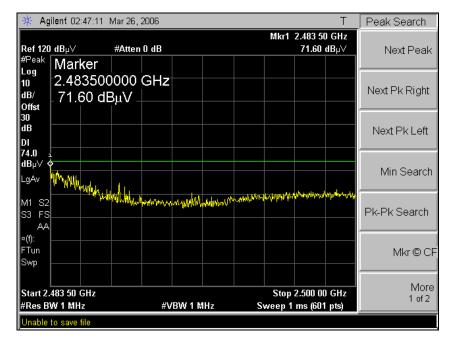
# RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, VERTICAL)

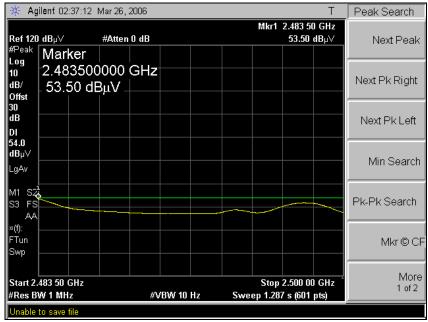




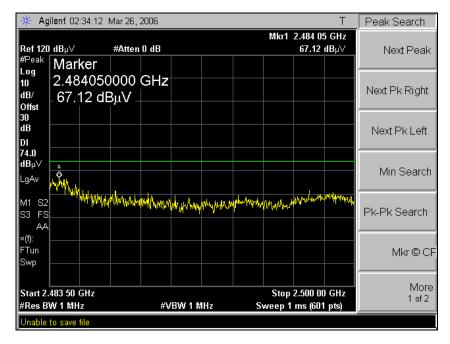
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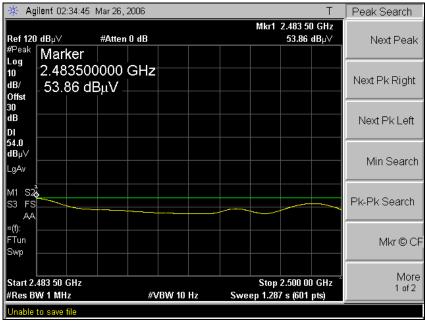
# RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, HORIZONTAL)



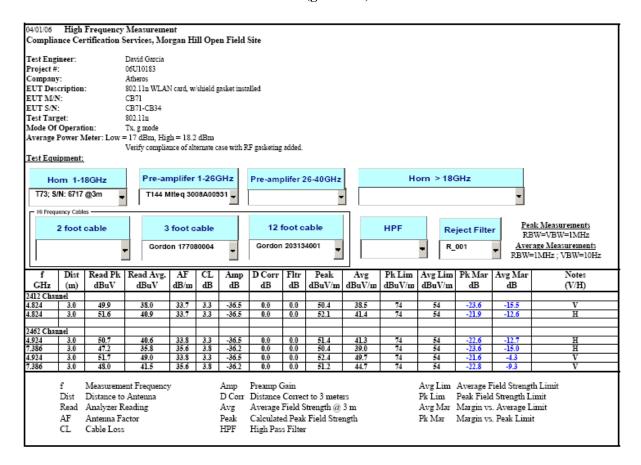


# RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, VERTICAL)

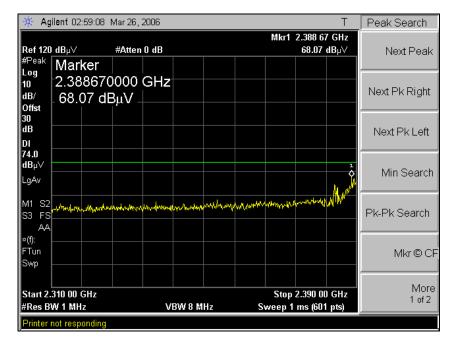




# HARMONICS AND SPURIOUS EMISSIONS (g MODE)

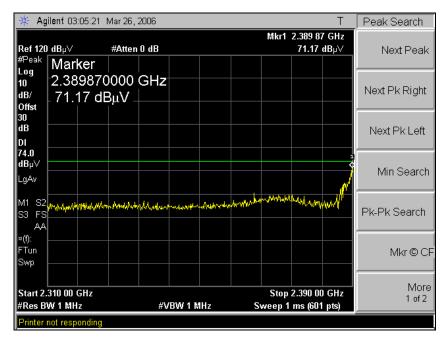


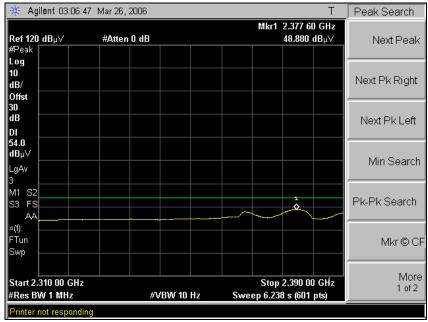
# RESTRICTED BANDEDGE 802.11 (HT20 MODE, LOW CHANNEL, HORIZONTAL



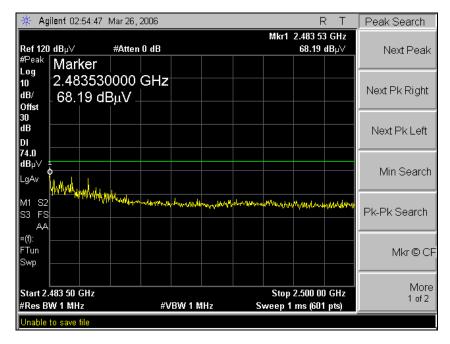


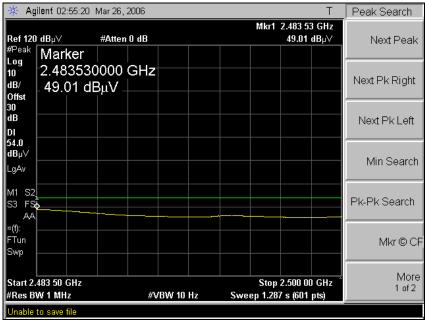
# RESTRICTED BANDEDGE 802.11 (HT20 MODE, LOW CHANNEL, VERTICAL



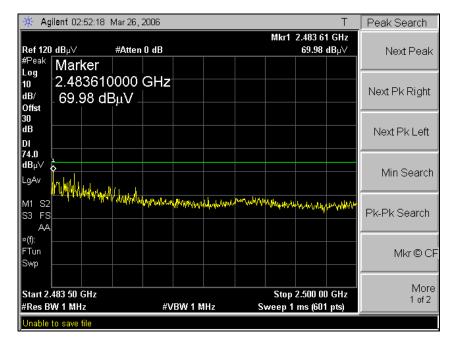


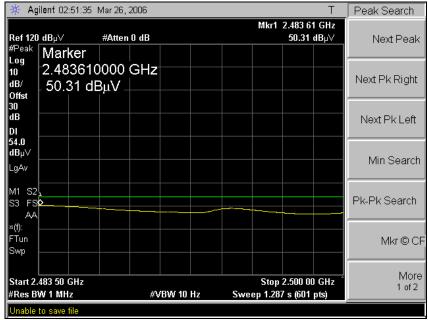
## RESTRICTED BANDEDGE 802.11 (HT20 MODE, HIGH CHANNEL, HORIZONTAL



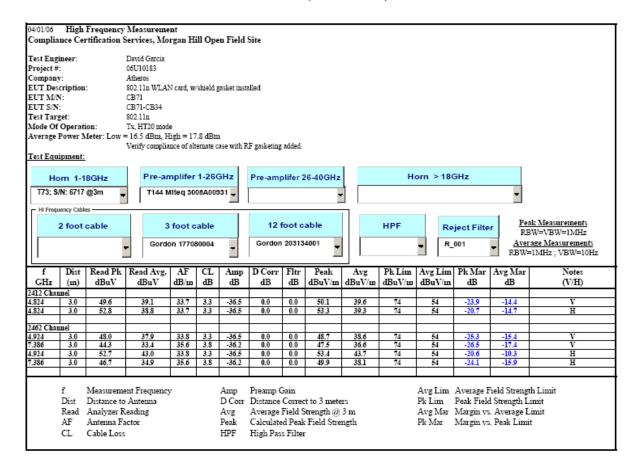


## RESTRICTED BANDEDGE 802.11 (HT20 MODE, HIGH CHANNEL, VERTICAL)

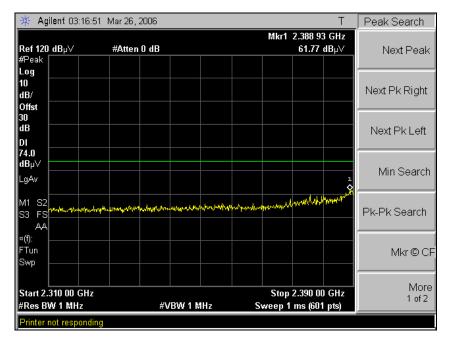


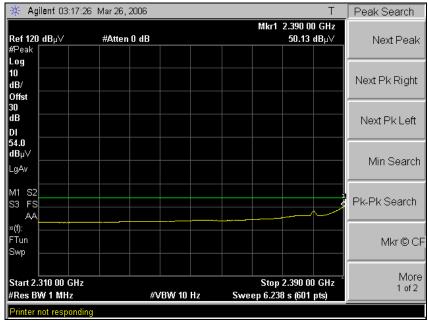


## HARMONICS AND SPURIOUS EMISSIONS (H20 MODE)

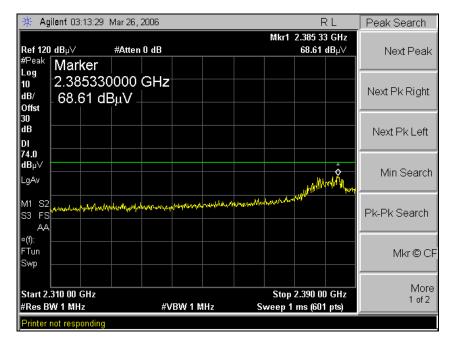


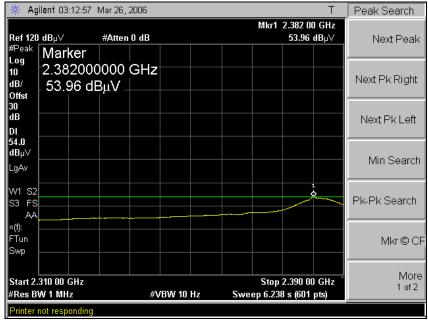
# RESTRICTED BANDEDGE 802.11 (HT40 MODE, LOW CHANNEL, HORIZONAL)



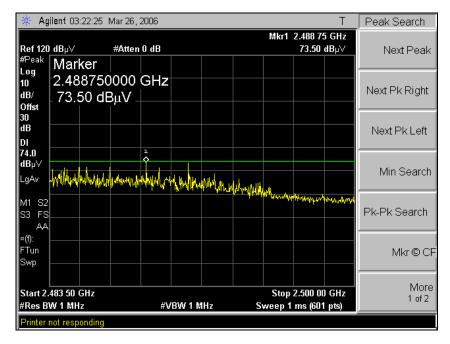


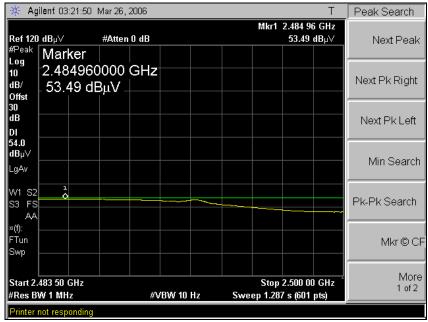
## RESTRICTED BANDEDGE 802.11 (HT40 MODE, LOW CHANNEL, VERTICAL)



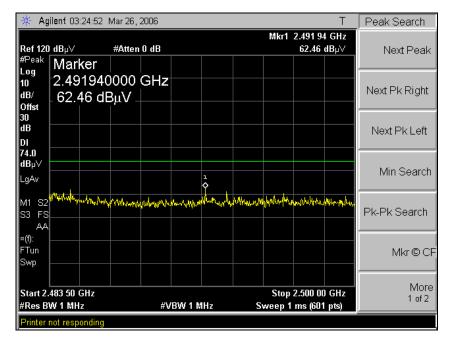


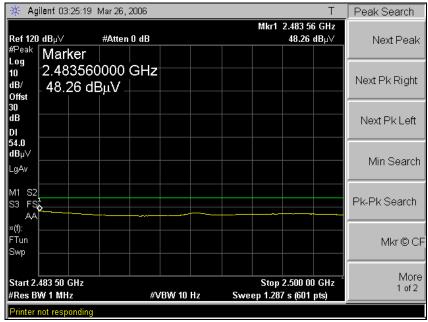
## RESTRICTED BANDEDGE 802.11 (HT40 MODE, HIGH CHANNEL, HORIZONTAL)



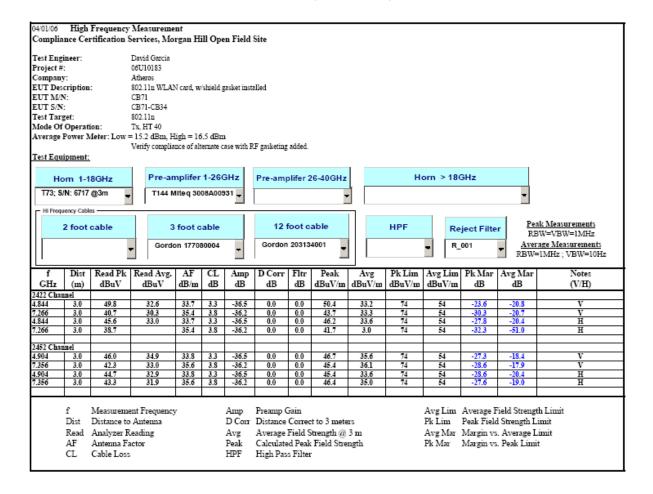


## RESTRICTED BANDEDGE 802.11 (HT40 MODE, HIGH CHANNEL, VERTICAL)



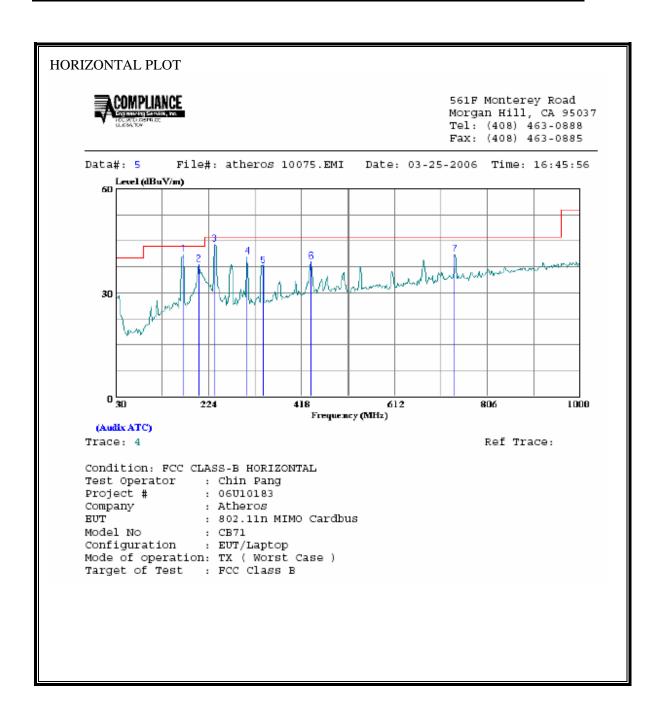


## HARMONICS AND SPURIOUS EMISSIONS (H40 MODE)



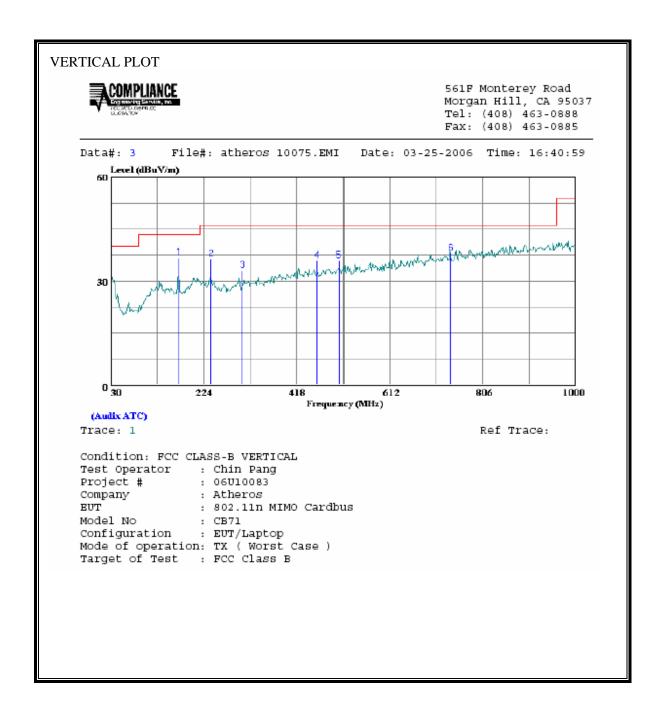
#### 7.2.4. WORST-CASE RADIATED EMISSIONS BELOW 1 GHz

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



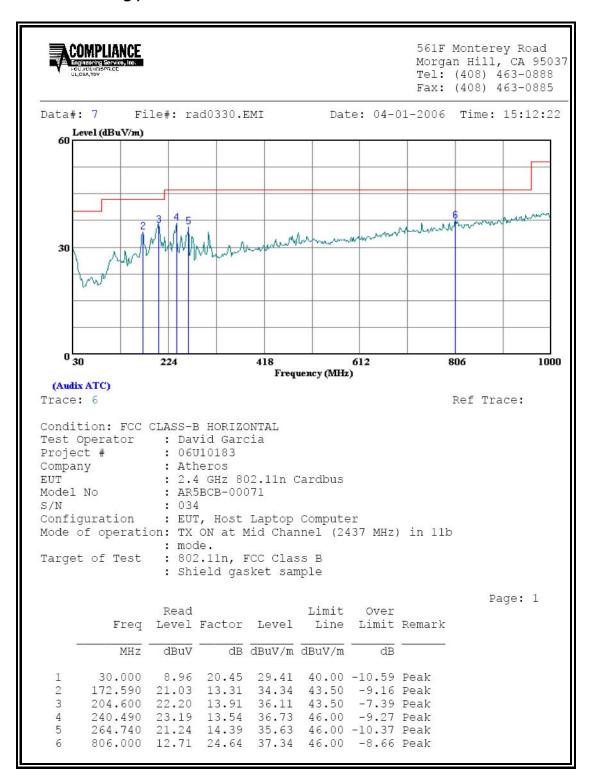
Freq	Read Level			Limit Line			Page: 1
MHz	₫BuV	dB	$\overline{\mathtt{d}\mathtt{BuV/m}}$	$\overline{\mathtt{dBuV}/\mathtt{m}}$	dB		
172.590	27.86	13.31	41.17	43.50	-2.33	Peak	
203.630	24.25	14.01	38.26	43.50	-5.24	Peak	
237.580							
305.480				46.00			
				46.00 46.00			
737.130							

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

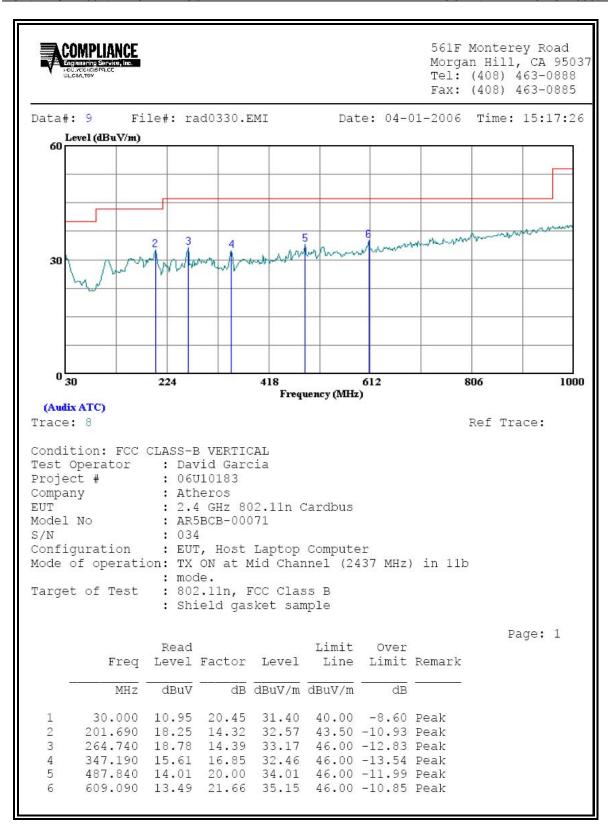


VERTICAL DATA									
	Freq MHz	Read Level			Limit Line		Remark	Page: 1	
1 2 3 4 5	172.590 239.520 305.480 460.680 507.240 739.070	23.44 22.97 17.29 16.54 15.53	13.31 13.47 15.80 19.44 20.31	36.75 36.44 33.09 35.98 35.84	43.50 46.00 46.00 46.00 46.00	-6.75 -9.56 -12.91 -10.02 -10.16	Peak Peak Peak Peak Peak		

# 7.2.5. WORST-CASE RADIATED EMISSIONS BELOW 1 GHz ( With alternate housing )



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#### 7.2.6. 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  $\mu$ 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.

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

Frequency of Emission (MHz)	Conducted Limit (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.

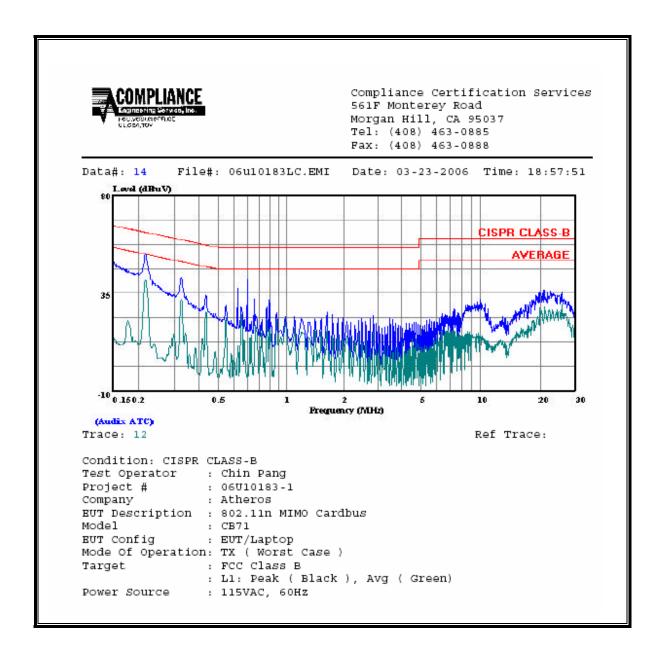
#### **RESULTS**

No non-compliance noted:

# **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
0.22	53.20		40.60	0.00	62.93	52.93	-9.73	-12.33	L1
0.70	41.48		30.51	0.00	56.00	46.00	-14.52	-15.49	L1
20.81	36.32		29.60	0.00	60.00	50.00	-23.68	-20.40	L1
0.22	51.62		39.56	0.00	62.97	52.97	-11.35	-13.41	L2
0.33	41.70		31.11	0.00	59.53	49.53	-17.83	-18.42	L2
1.25	38.16		29.45	0.00	56.00	46.00	-17.84	-16.55	L2
6 Worst I	 Data 								

#### **LINE 1 RESULTS**



#### **LINE 2 RESULTS**

