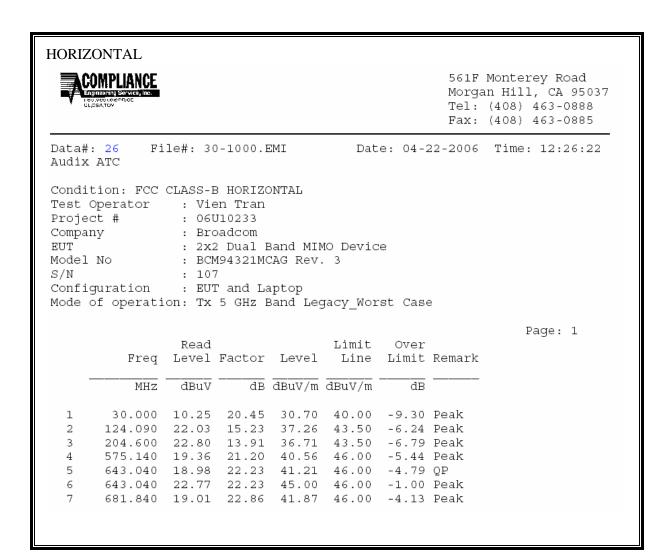
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### **5 GHz BAND**

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



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

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

**VERTICAL** 



561F Monterey Road Morgan Hill, CA 95037 Tel: (408) 463-0888 Fax: (408) 463-0885

Data#: 22 File#: 30-1000.EMI Date: 04-22-2006 Time: 12:14:56

Audix ATC

Condition: FCC CLASS-B VERTICAL Test Operator : Vien Tran Project # : 06U10233
Company : Broadcom
EUT : 2x2 Dual Band MIMO Device
Model No : BCM94321MCAG Rev. 3
S/N : 107

S/N : 107 Configuration : EUT and Laptop

Mode of operation: Tx 5 GHz Band Legacy Worst Case

Page: 1

			Read			Limit	Over	
		Freq	Level	Factor	Level	Line	Limit	Remark
		MHz	dBuV	dB	dBuV/m	dBuV/m	db	
					,	,		
1		63.950	23.56	8.97	32.54	40.00	-7.46	Peak
2		124.090	24.88	15.23	40.11	43.50	-3.39	QP
3	*	124.090	28.68	15.23	43.91	43.50	0.41	Peak
4		407.330	20.73	18.21	38.94	46.00	-7.06	Peak
5		574.170	20.64	21.18	41.81	46.00	-4.19	Peak
6		643.040	20.36	22.23	42.59	46.00	-3.41	Peak
7		705.120	17.50	23.16	40.66	46.00	-5.34	Peak

EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

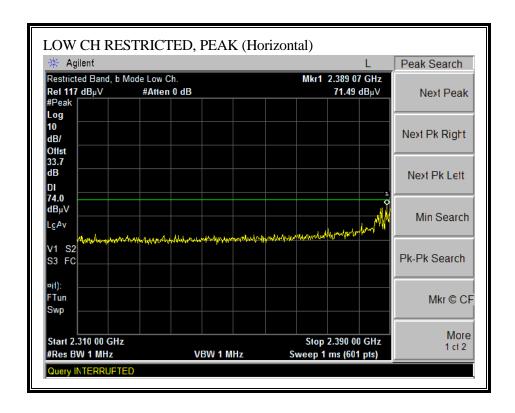
MODEL: BCM94321MC

# **MIMO MODE**

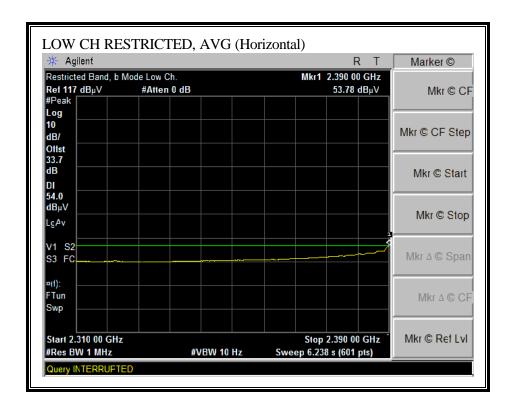
#### 7.13.5. TRANSMITTER ABOVE 1 GHz FOR 2400 TO 2483.5 MHz BAND

# 20 MHz TX BANDWIDTH

RESTRICTED BANDEDGE (LOW CHANNEL, 2412 MHz, HORIZONTAL)



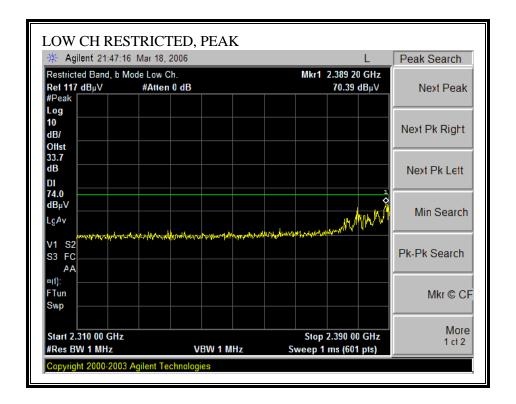
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



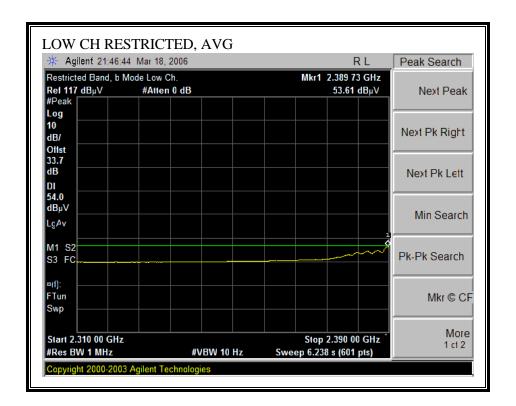
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (LOW CHANNEL, 2412 MHz, VERTICAL)



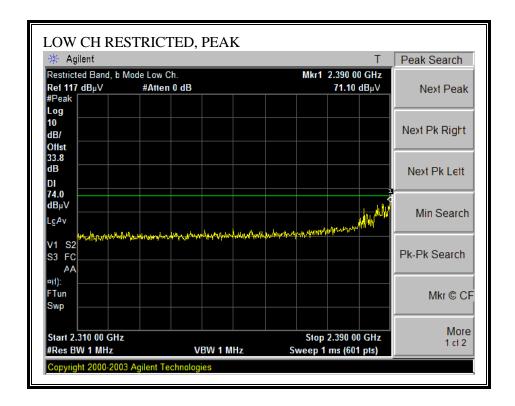
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



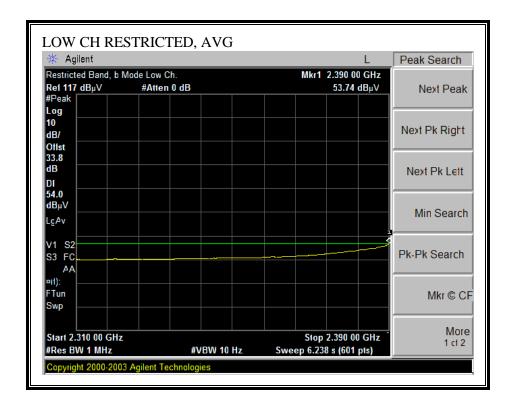
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (LOW CHANNEL, 2417 MHz, HORIZONTAL)



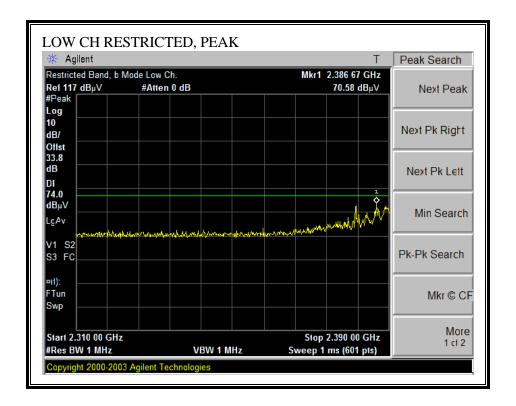
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



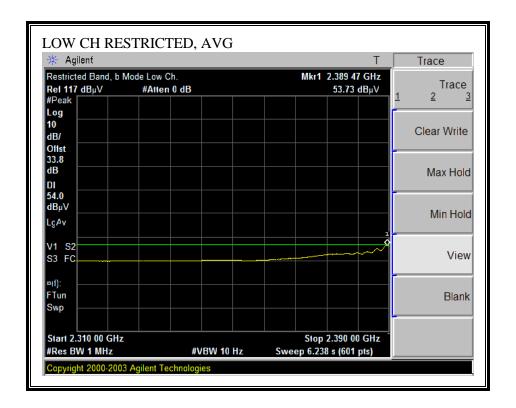
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (LOW CHANNEL, 2417 MHz, VERTICAL)



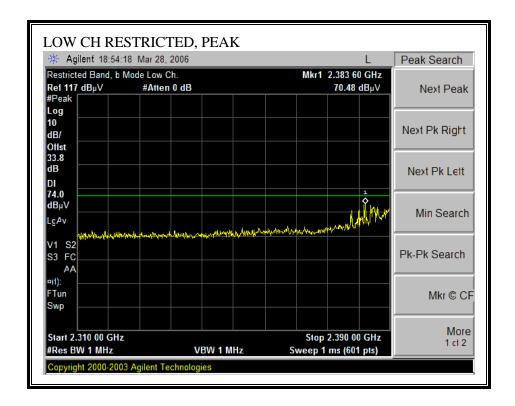
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



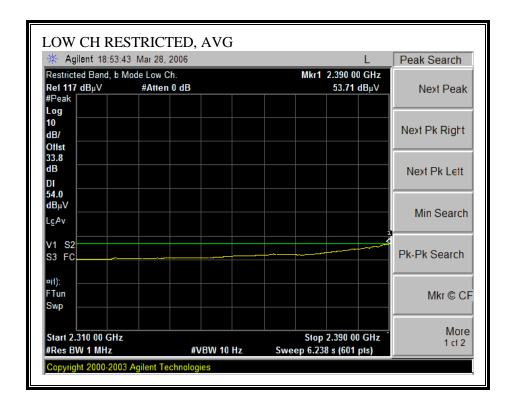
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (LOW CHANNEL, 2422 MHz, HORIZONTAL)



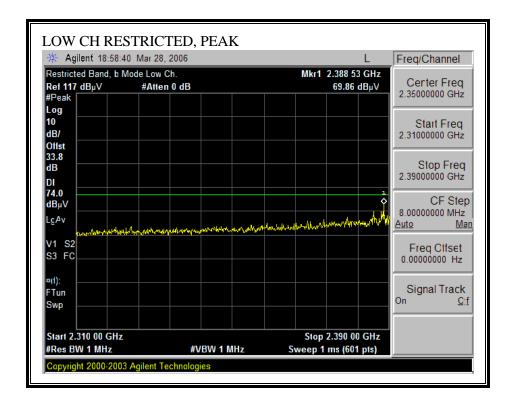
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



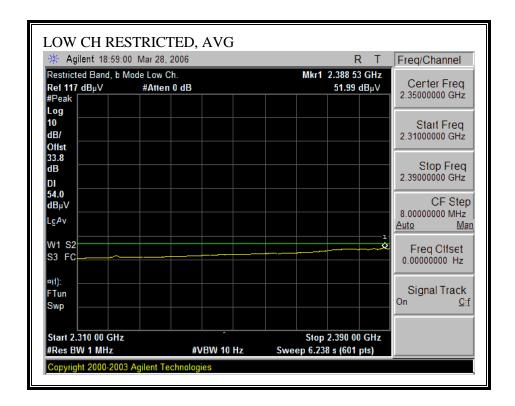
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (LOW CHANNEL, 2417 MHz, VERTICAL)



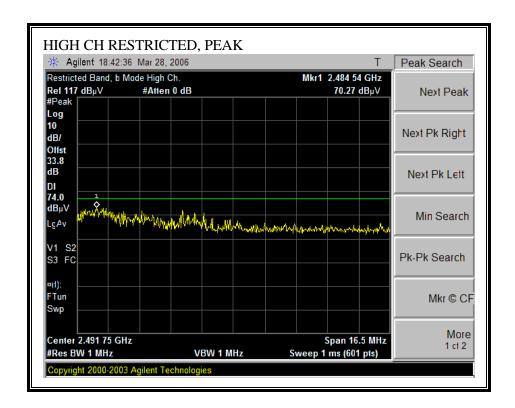
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



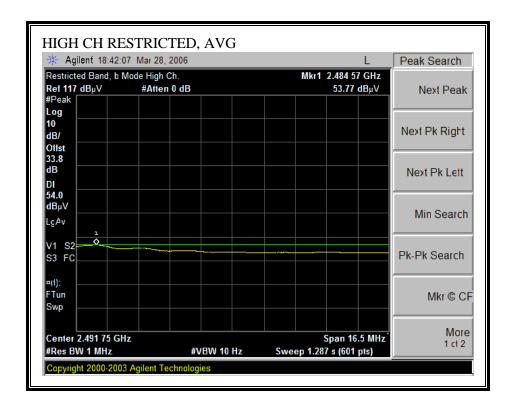
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (HIGHCHANNEL, 2457 MHz, HORIZONTAL)



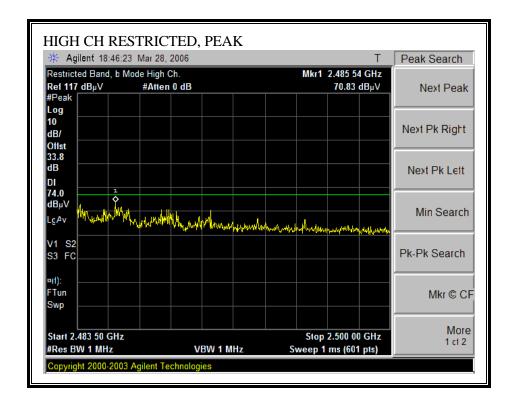
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



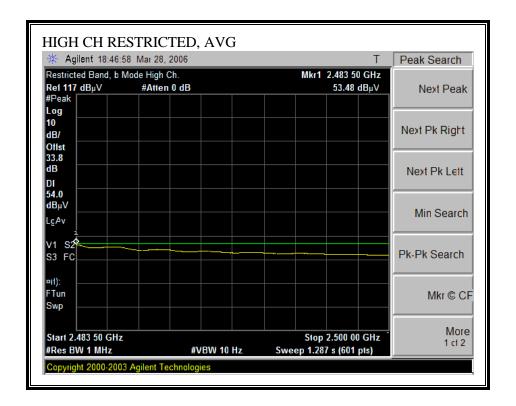
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (HIGH CHANNEL, 2457 MHz, VERTICAL)



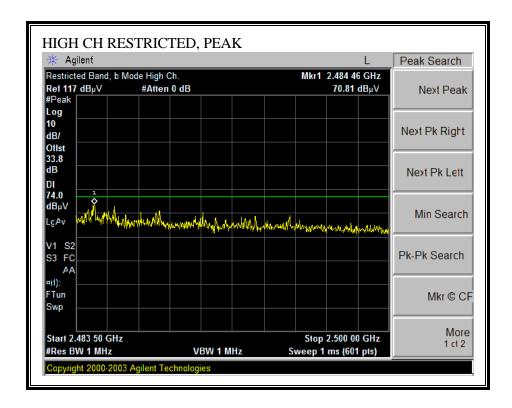
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



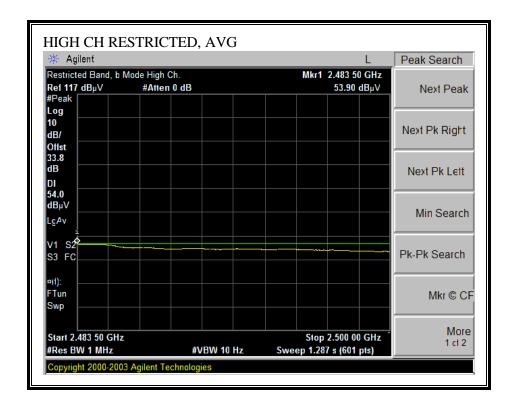
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (HIGH CHANNEL, 2462 MHz, HORIZONTAL)



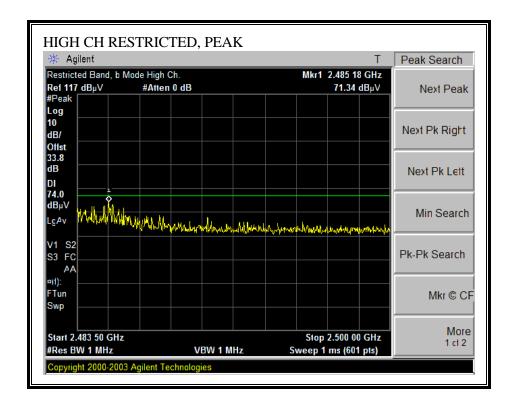
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



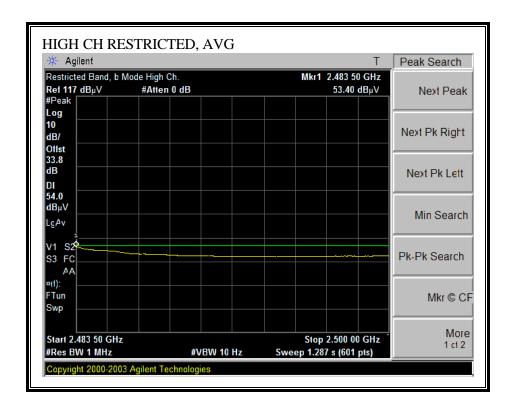
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (HIGH CHANNEL, 2462 MHz, VERTICAL)



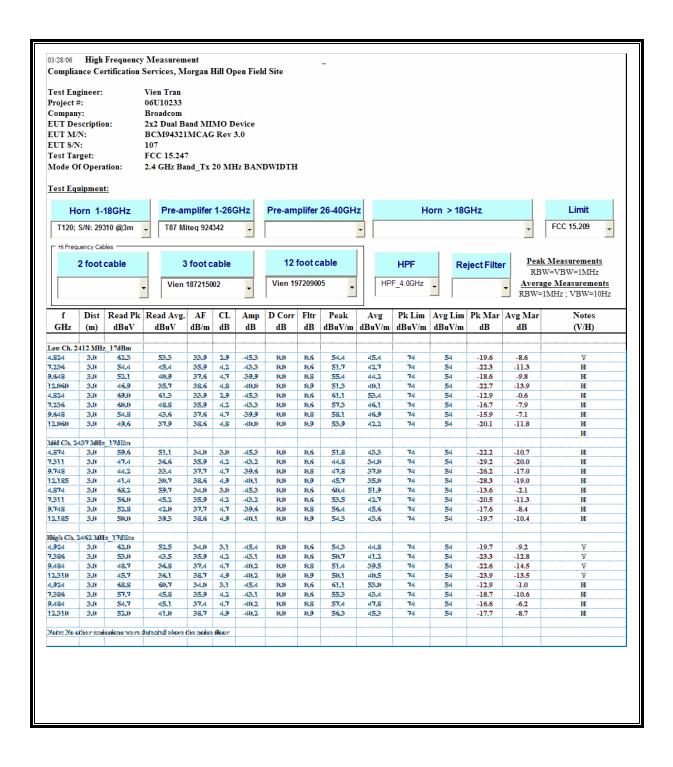
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### HARMONICS AND SPURIOUS EMISSIONS - 20 MHz TX BANDWIDTH



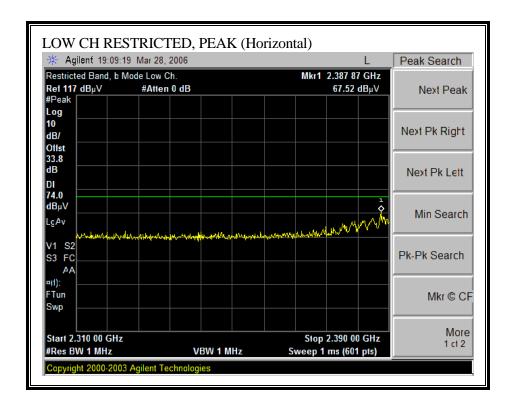
Page 523 of 702

EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

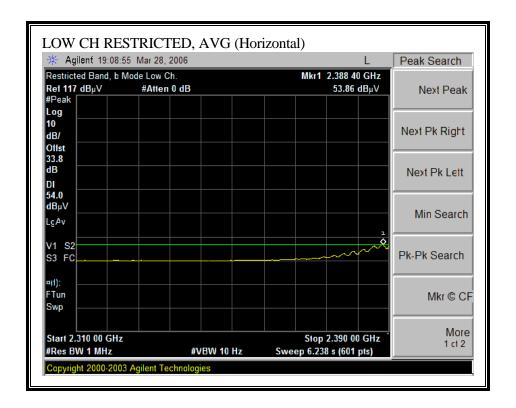
MODEL: BCM94321MC

# **40 MHz TX BANDWIDTH**

### RESTRICTED BANDEDGE (LOW CHANNEL, 2422 MHz, HORIZONTAL)



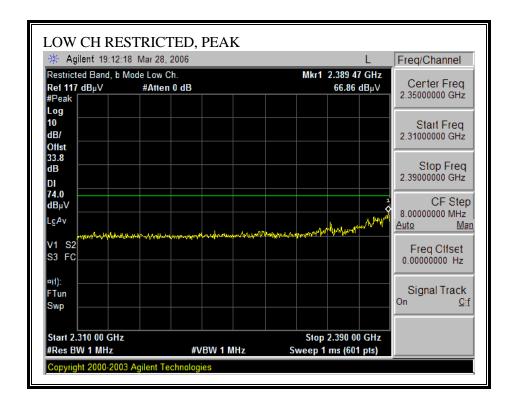
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



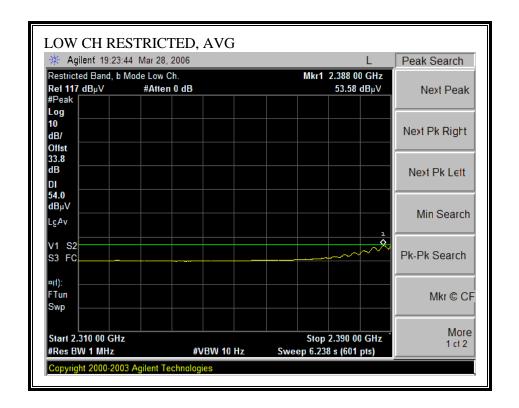
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (LOW CHANNEL, 2422 MHz, VERTICAL)



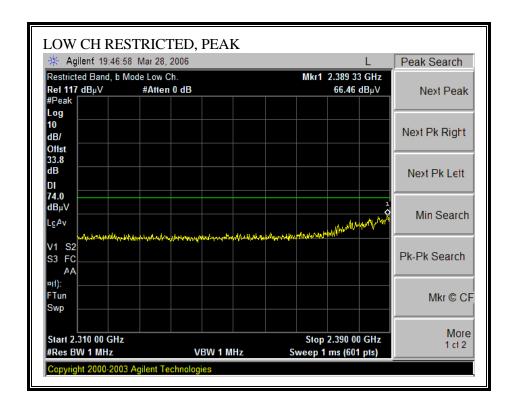
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



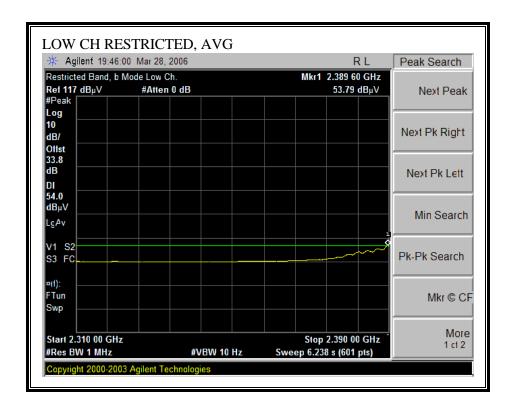
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (LOW CHANNEL, 2427 MHz, HORIZONTAL)



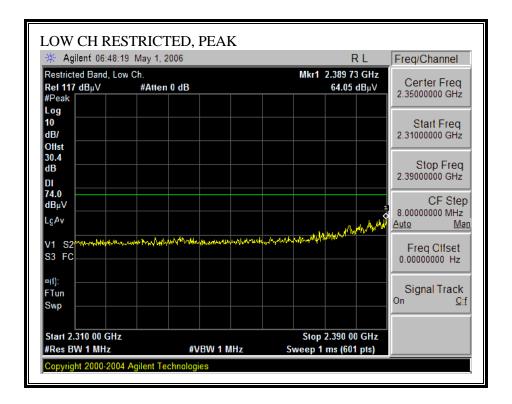
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



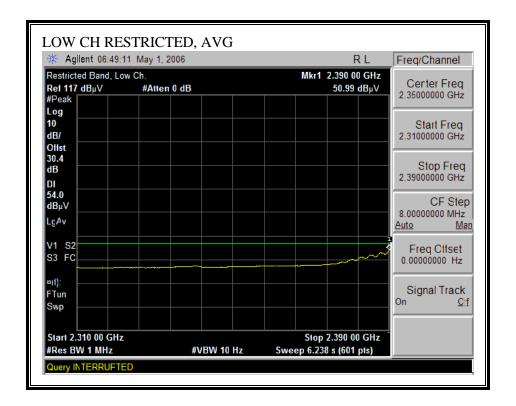
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (LOW CHANNEL, 2427 MHz, VERTICAL)



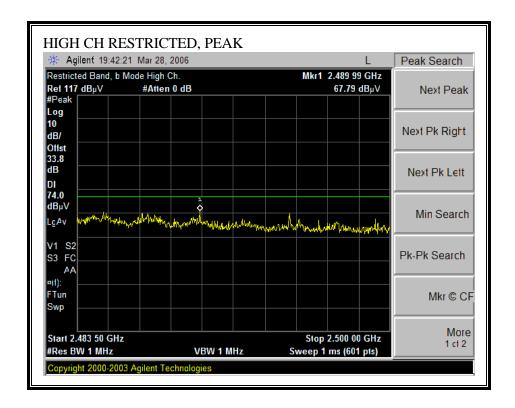
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



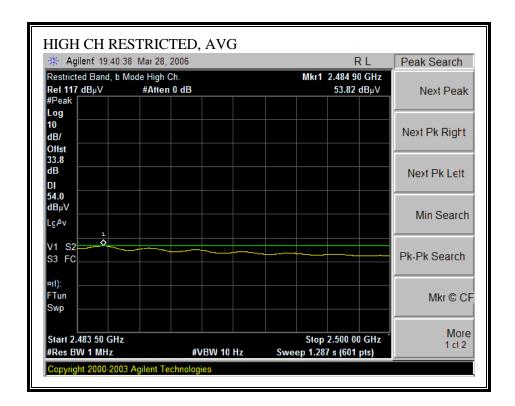
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (HIGHCHANNEL, 2442 MHz, HORIZONTAL)



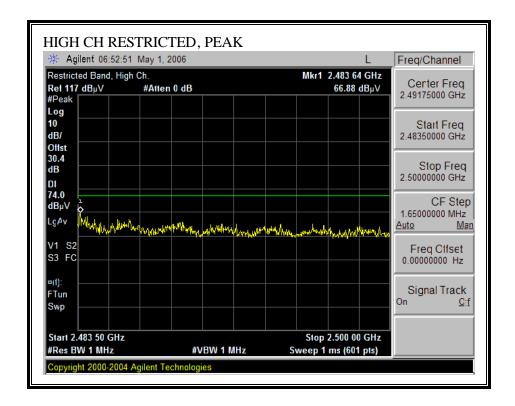
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



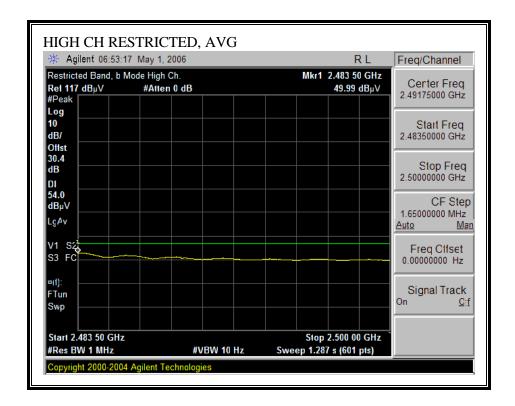
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (HIGH CHANNEL, 2442 MHz, VERTICAL)



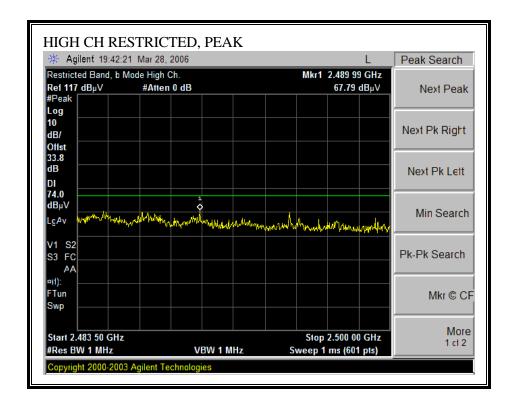
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



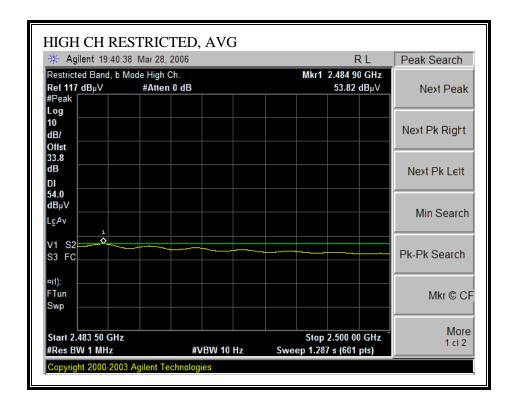
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### RESTRICTED BANDEDGE (HIGHCHANNEL, 2447 MHz, HORIZONTAL)



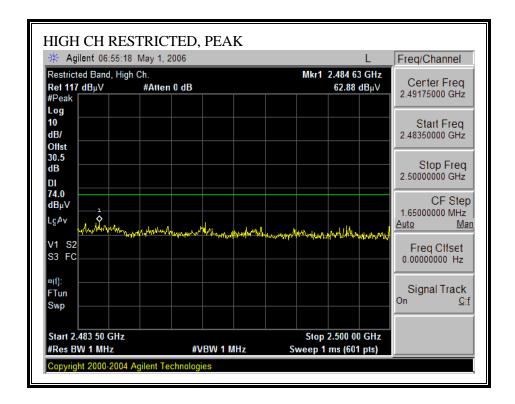
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (HIGH CHANNEL, 2447 MHz, VERTICAL)



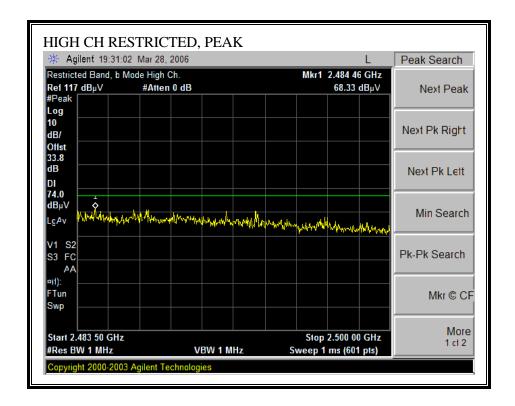
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



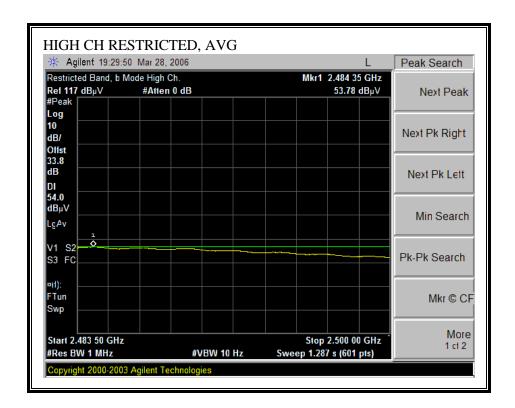
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (HIGH CHANNEL, 2452 MHz, HORIZONTAL)



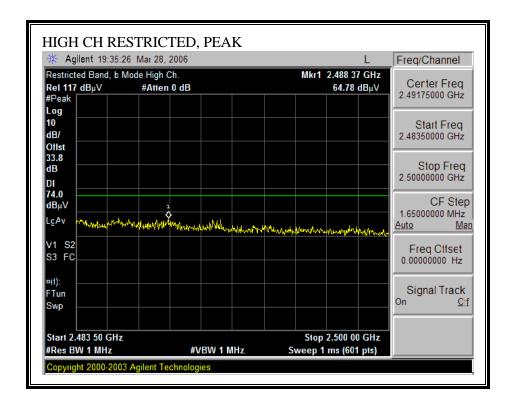
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (HIGH CHANNEL, 2452 MHz, VERTICAL)



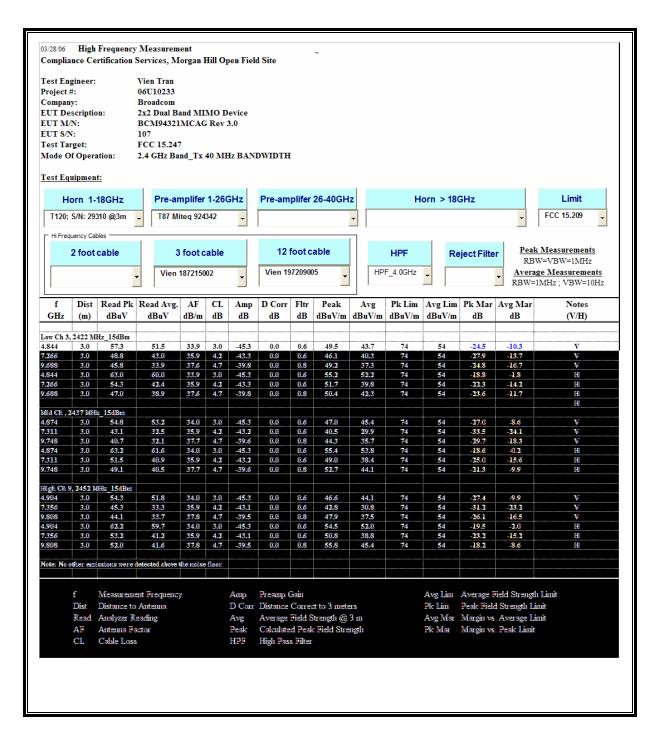
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

### HARMONICS AND SPURIOUS EMISSIONS - 40 MHz TX BANDWIDTH

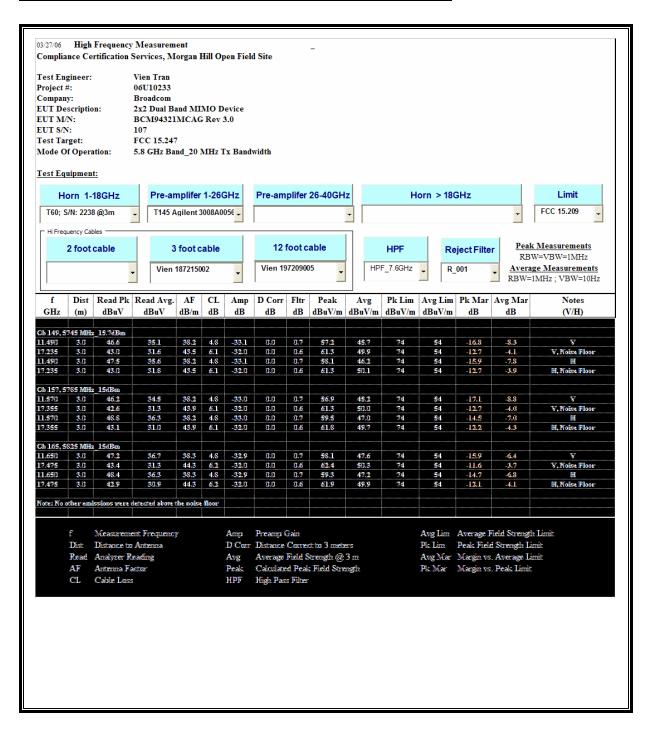


EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### TRANSMITTER ABOVE 1 GHz FOR 5725 TO 5850 MHz BAND 7.13.6.

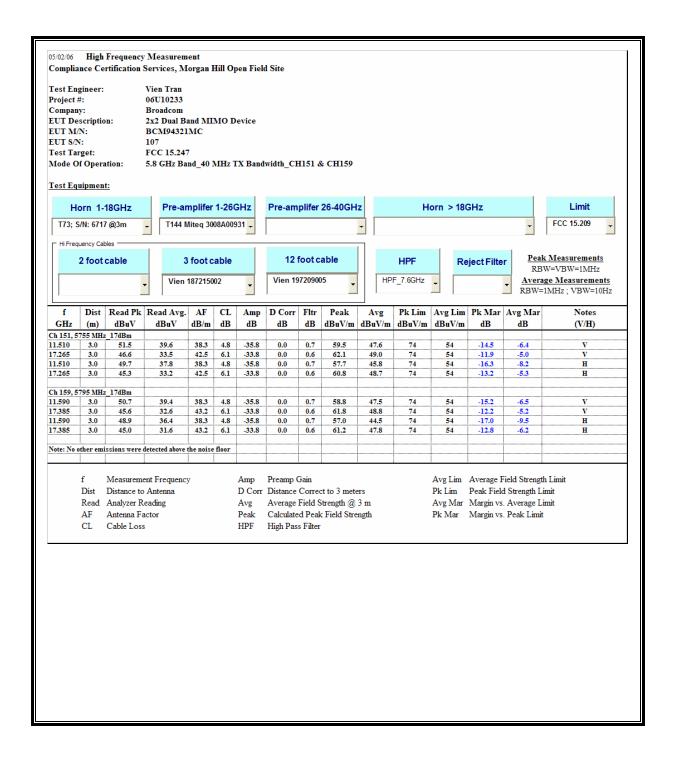
# HARMONICS AND SPURIOUS EMISSIONS - 20 MHz TX BANDWIDTH



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

### <u>HARMONICS AND SPURIOUS EMISSIONS - 40 MHz TX BANDWIDTH</u>



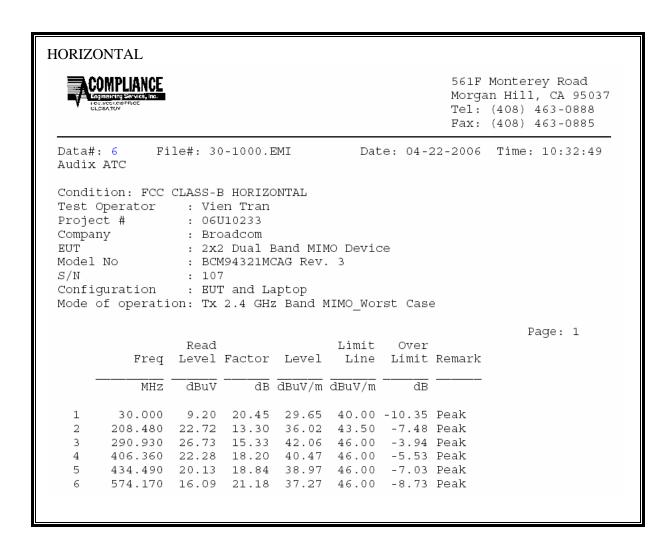
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### **WORST-CASE RADIATED EMISSIONS BELOW 1 GHz** 7.13.7.

### 2.4 GHz BAND

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



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

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

VERTICAL

561F Monterey Road Morgan Hill, CA 95037 Tel: (408) 463-0888 Fax: (408) 463-0885

Data#: 3 File#: 30-1000.EMI Date: 04-22-2006 Time: 10:22:22

Audix ATC

Condition: FCC CLASS-B VERTICAL Test Operator : Vien Tran Project # : 06U10233
Company : Broadcom
EUT : 2x2 Dual Band MIMO Device
Model No : BCM94321MCAG Rev. 3
S/N : 107

S/N : 107 Configuration : EUT and Laptop

Mode of operation: Tx 2.4 GHz Band MIMO Worst Case

Page: 1

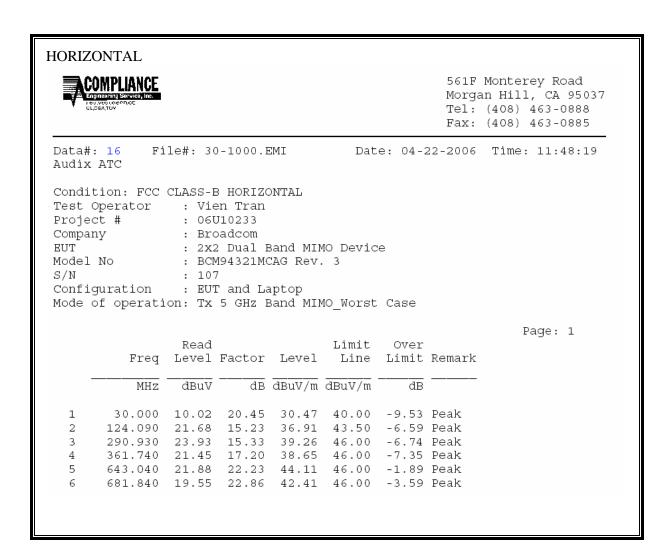
	T100 0	Read	Dogton	T 0770 ]	Limit	Over	Domonis
	Freq	телет	Factor	rever	Line	TITULL	Remark
	MHz	dBuV	dB	$\overline{\mathtt{dBuV/m}}$	$\overline{\mathtt{dBuV/m}}$	dB	
1	51.340	26.16	9.05	35.21	40.00	-4.79	Peak
2	126.030	20.49	15.25	35.74	43.50	-7.76	Peak
3	293.840	22.97	15.42	38.39	46.00	-7.61	Peak
4	343.310	18.64	16.68	35.33	46.00	-10.67	Peak
5	406.360	22.22	18.20	40.41	46.00	-5.59	Peak
6	574.170	17.16	21.18	38.33	46.00	-7.67	Peak

EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

### **5 GHz BAND**

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



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

5

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

VERTICAL COMPLIANCE 561F Monterey Road Morgan Hill, CA 95037 Tel: (408) 463-0888 Fax: (408) 463-0885 Data#: 18 File#: 30-1000.EMI Date: 04-22-2006 Time: 11:52:24 Audix ATC Condition: FCC CLASS-B VERTICAL Test Operator : Vien Tran Project # : 06U10233 Company : Broadcom EUT : 2x2 Dual Band MIMO Device Model No : BCM94321MCAG Rev. 3 S/N : 107 Configuration : EUT and Laptop Mode of operation: Tx 5 GHz Band MIMO Worst Case Page: 1 Read Limit Over Freq Level Factor Level Line Limit Remark MHz dBuV dB dBuV/m dBuV/m 62.980 24.18 8.90 33.08 40.00 -6.92 Peak 126.030 20.38 15.25 35.63 43.50 -7.87 Peak 406.360 20.65 18.20 38.85 46.00 -7.15 Peak 573.200 20.48 21.16 41.64 46.00 -4.36 Peak 642.070 19.87 22.21 42.08 46.00 -3.92 Peak 707.060 17.27 23.20 40.47 46.00 -5.53 Peak

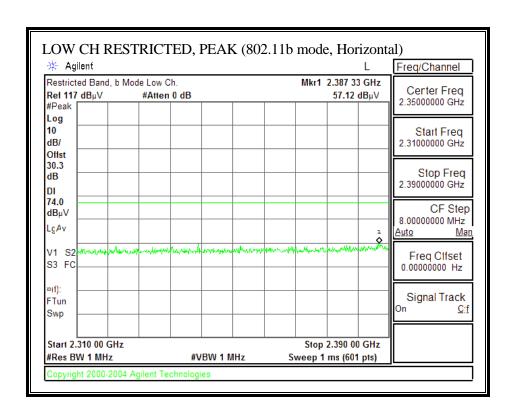
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

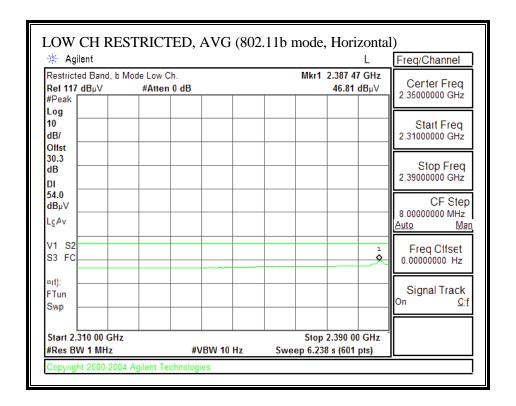
# FOXCONN, PCB ANTENNA

# **LEGACY MODE**

# 7.13.8. TRANSMITTER ABOVE 1 GHz FOR 2400 TO 2483.5 MHz BAND RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, 2412 MHz, HORIZONTAL)



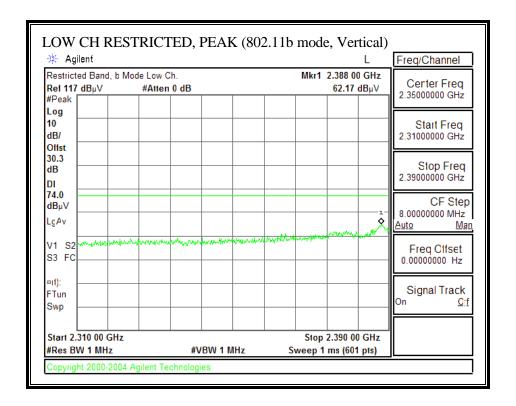
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



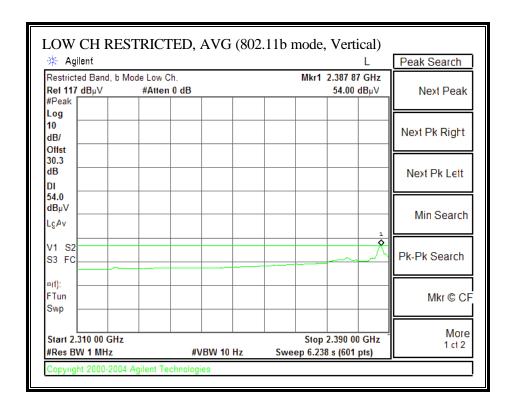
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, 2412 MHz, VERTICAL)



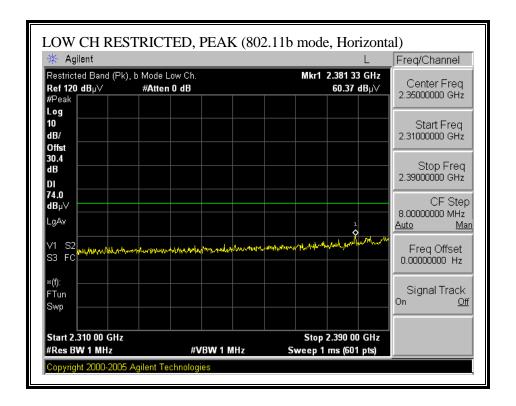
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



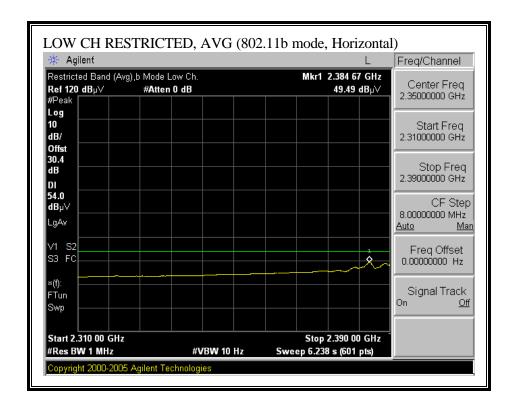
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, 2417 MHz, HORIZONTAL)



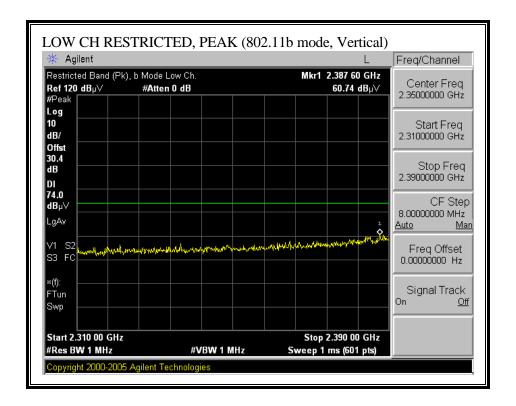
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



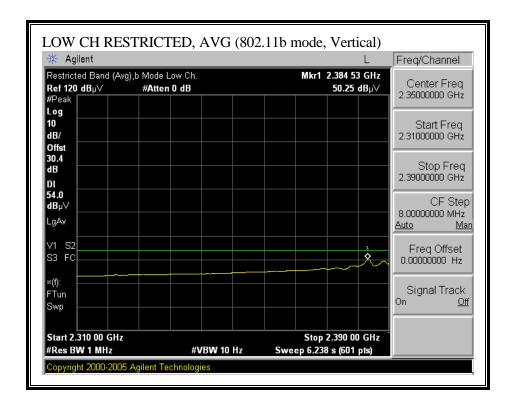
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (b MODE, LOW CHANNEL, 2417 MHz, VERTICAL)



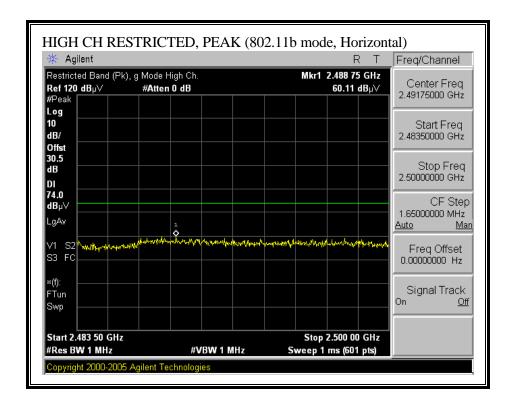
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



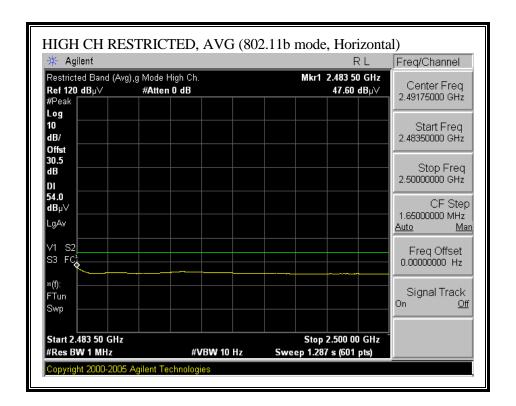
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

### RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, 2457 MHz, HORIZONTAL)



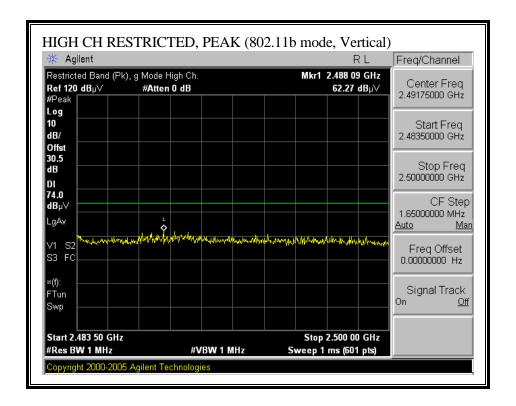
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



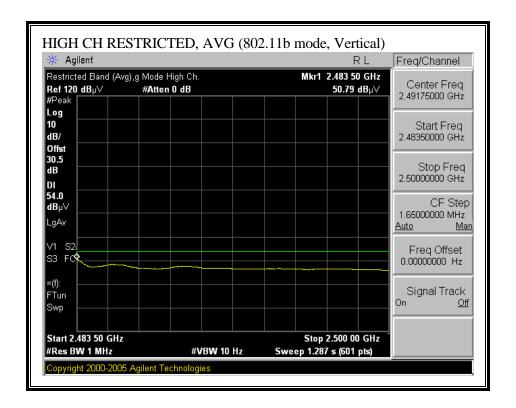
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, 2457 MHz, VERTICAL)



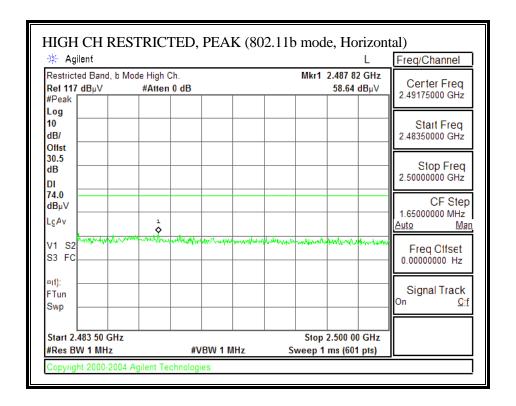
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



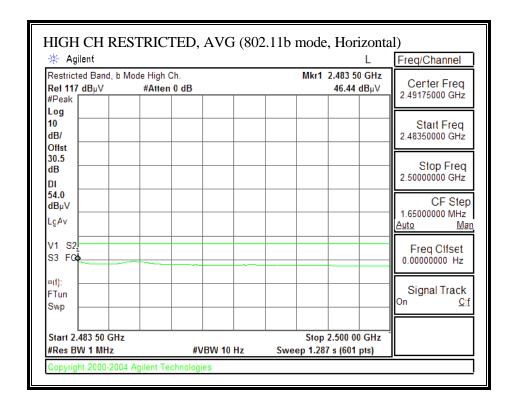
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

### RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, 2462 MHz, HORIZONTAL)



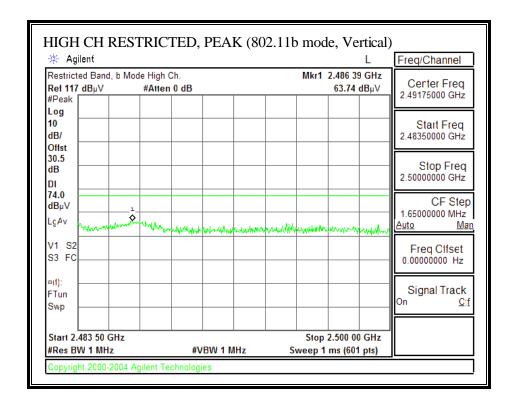
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



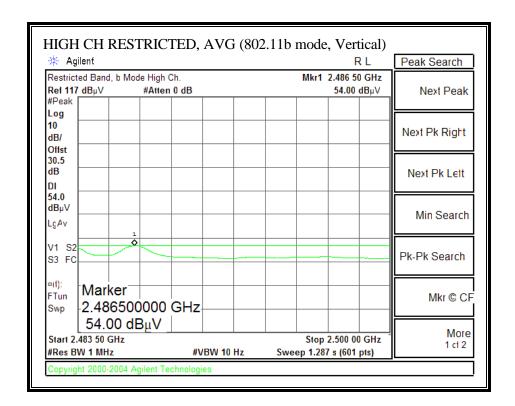
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (b MODE, HIGH CHANNEL, 2462 MHz, VERTICAL)



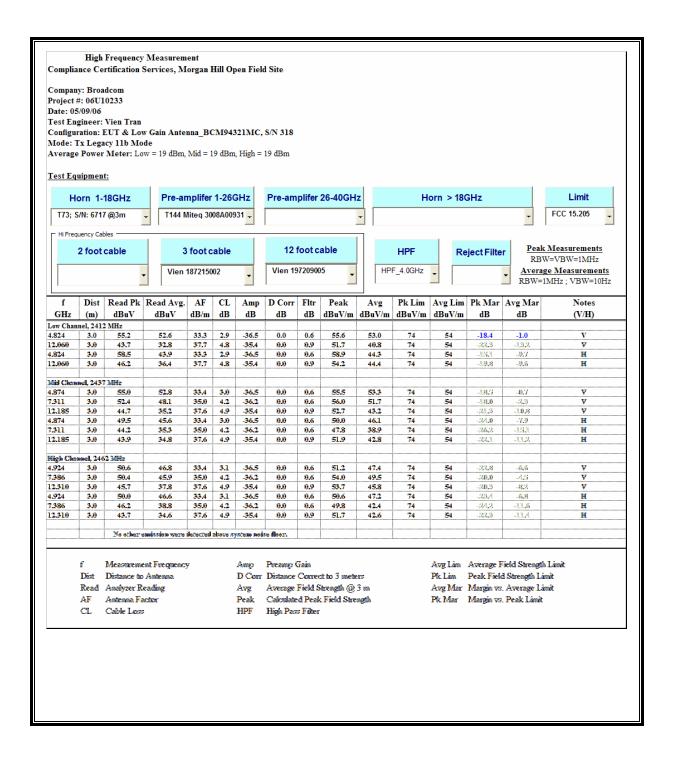
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

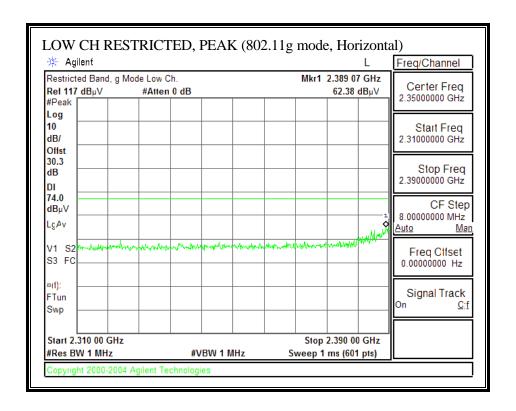
### HARMONICS AND SPURIOUS EMISSIONS (b MODE)



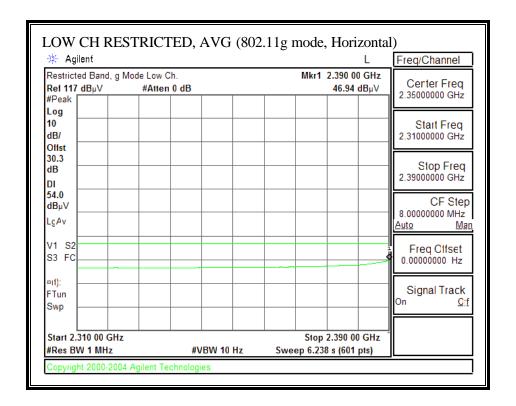
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, 2412 MHz, HORIZONTAL)



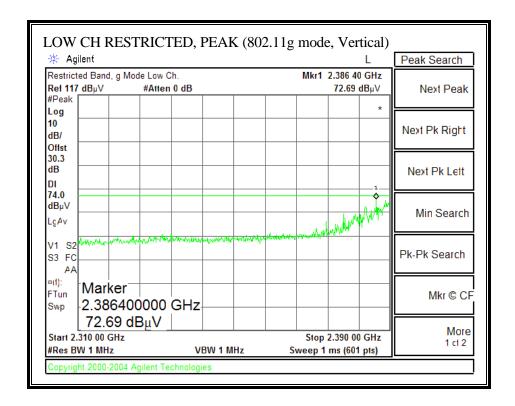
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



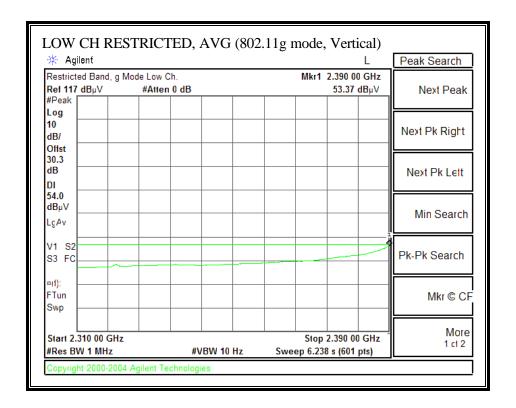
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, 2412 MHz, VERTICAL)



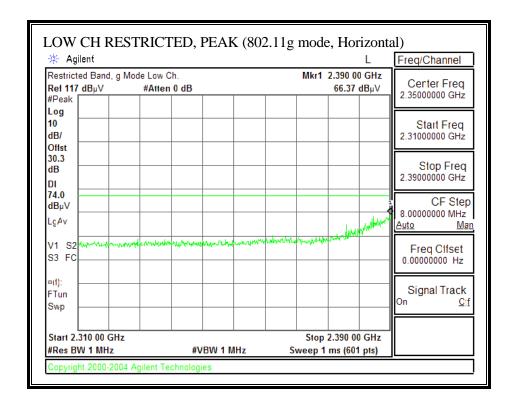
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



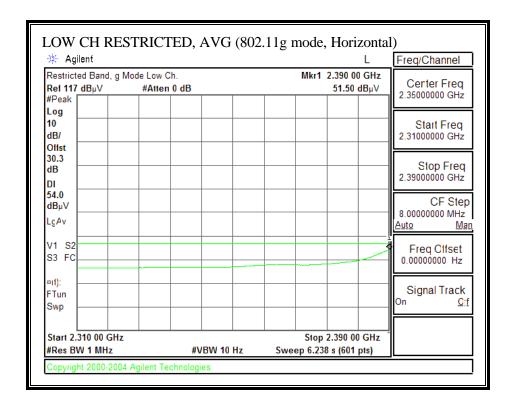
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

# RESTRICTED BANDEDGE (g MODE, LOW CHANNEL, 2417 MHz, HORIZONTAL)



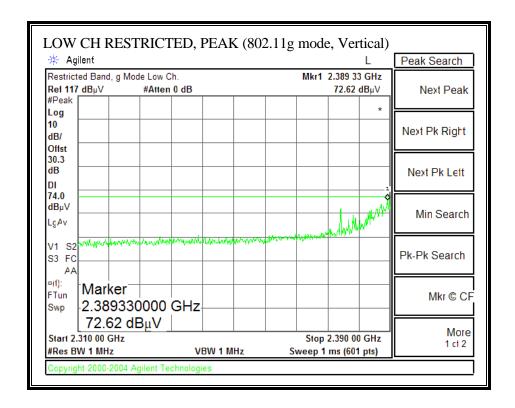
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



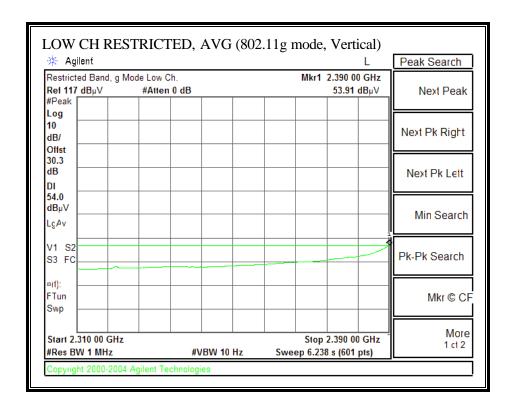
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## RESTRICTED BANDEDGE (q MODE, LOW CHANNEL, 2417 MHz, VERTICAL)



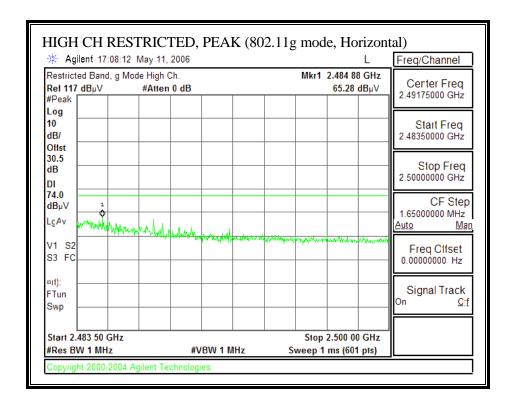
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



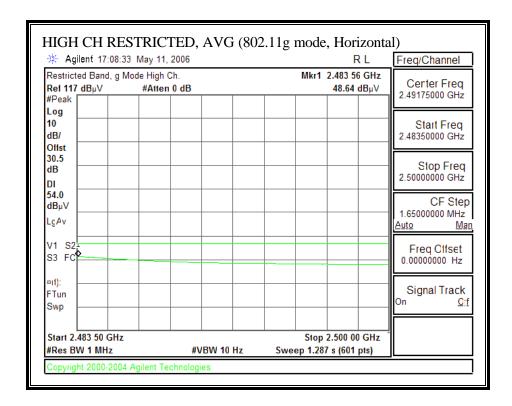
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, 2457 MHz, HORIZONTAL)



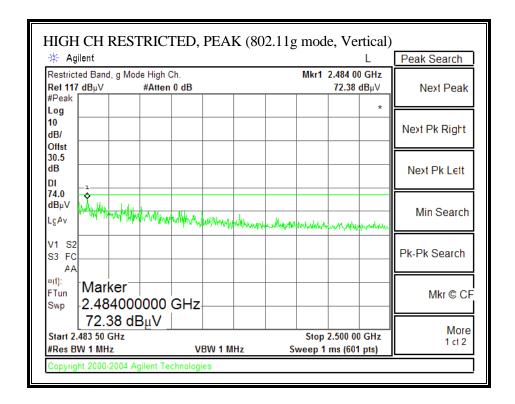
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



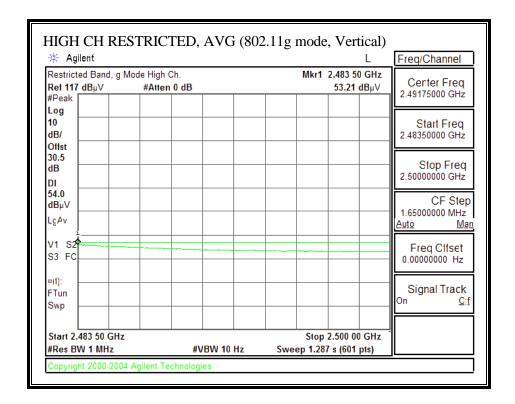
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## RESTRICTED BANDEDGE (q MODE, HIGH CHANNEL, 2457 MHz, VERTICAL)



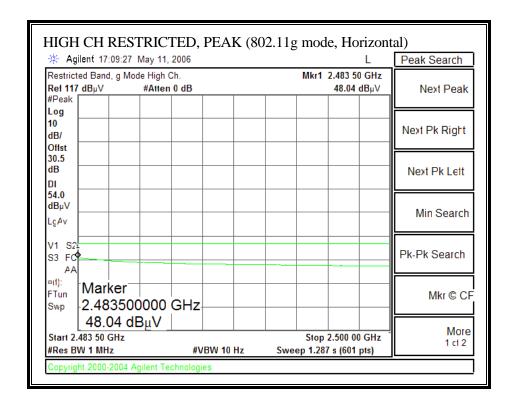
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



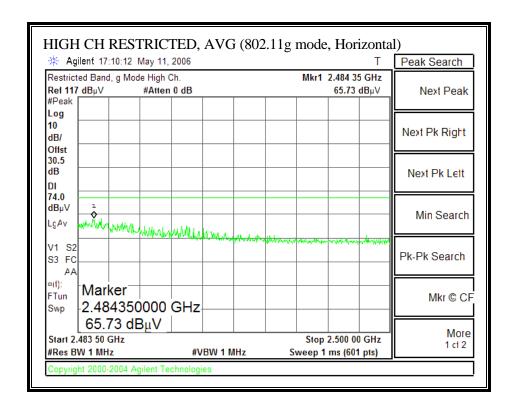
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## RESTRICTED BANDEDGE (g MODE, HIGH CHANNEL, 2462 MHz, HORIZONTAL)



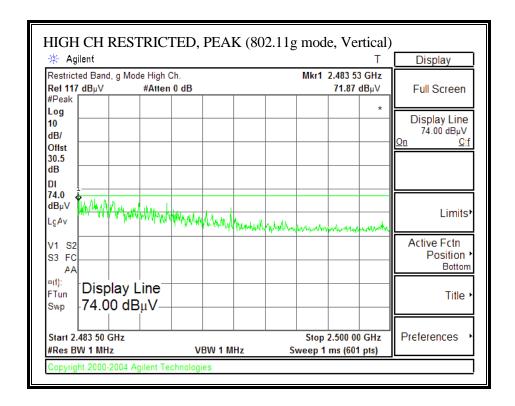
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



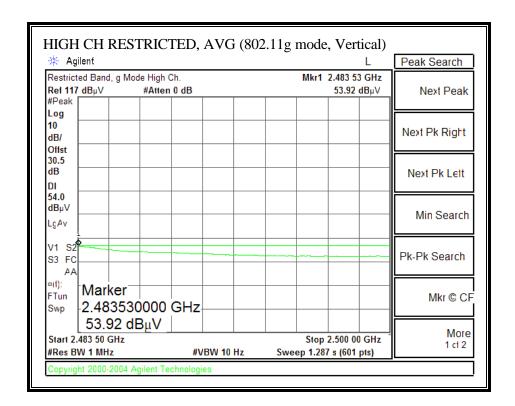
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## RESTRICTED BANDEDGE (q MODE, HIGH CHANNEL, 2462 MHz, VERTICAL)



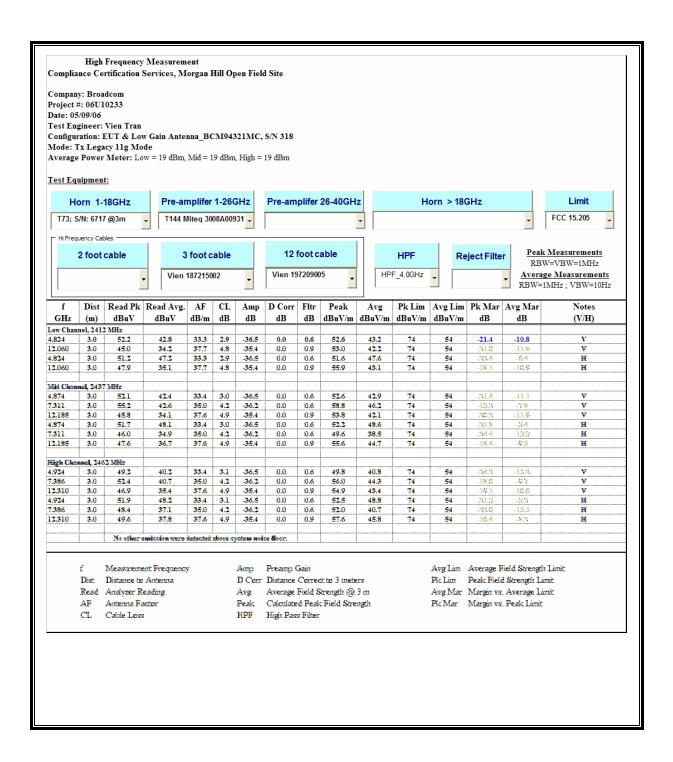
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

### HARMONICS AND SPURIOUS EMISSIONS (g MODE)

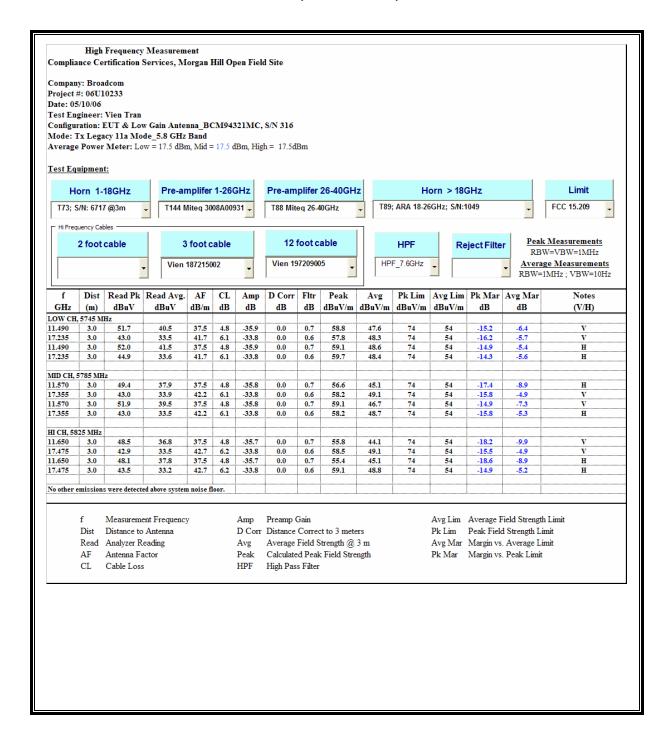


EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### TRANSMITTER ABOVE 1 GHz FOR 5725 TO 5850 MHz BAND 7.13.9.

## HARMONICS AND SPURIOUS EMISSIONS (802.11a MODE)



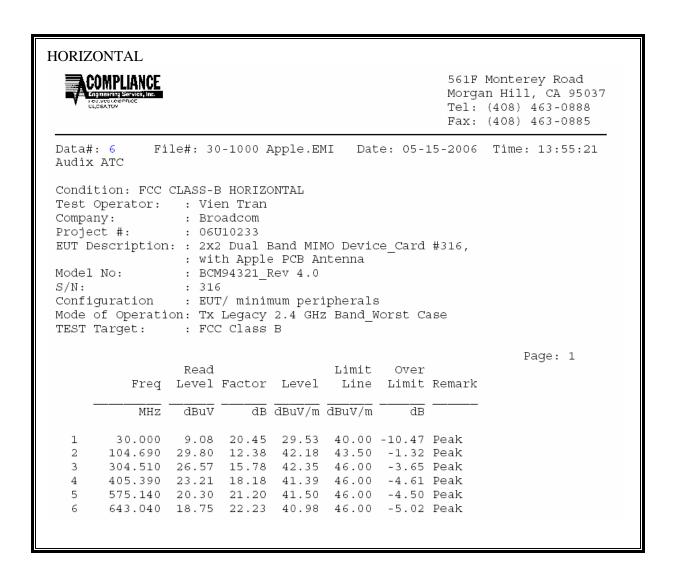
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## **WORST-CASE RADIATED EMISSIONS BELOW 1 GHz**

### 2.4 GHz BAND

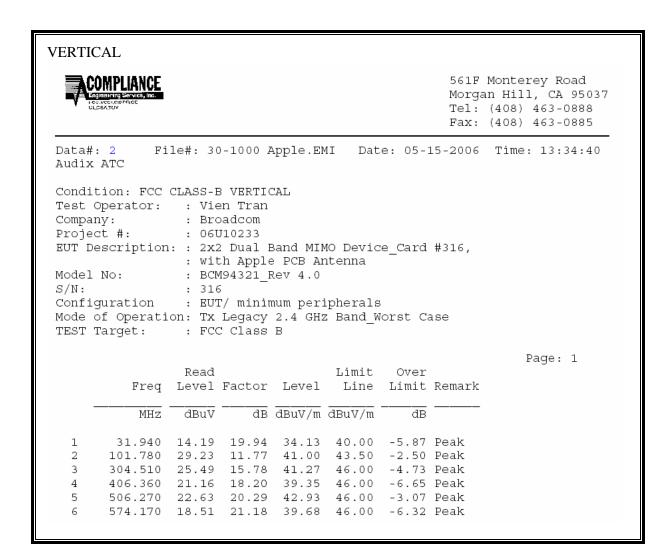
## SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

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

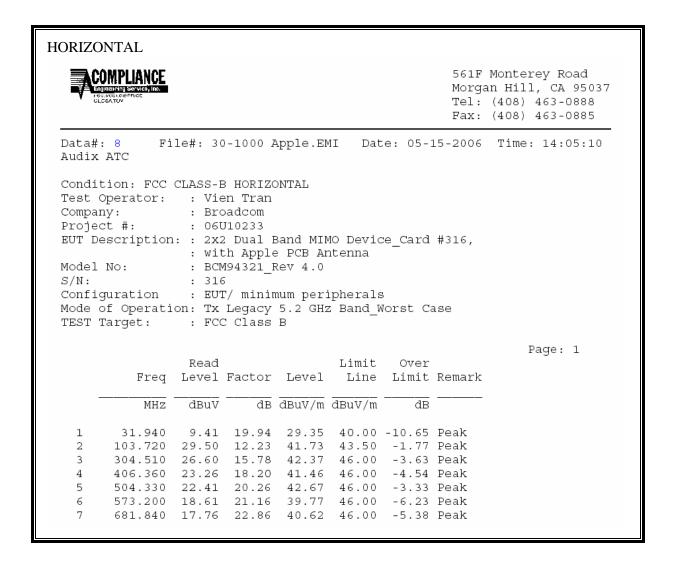


EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

#### **5 GHz BAND**

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



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

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

**VERTICAL** 



561F Monterey Road Morgan Hill, CA 95037 Tel: (408) 463-0888 Fax: (408) 463-0885

Data#: 10 File#: 30-1000 Apple.EMI Date: 05-15-2006 Time: 14:09:36

Audix ATC

Condition: FCC CLASS-B VERTICAL Test Operator: : Vien Tran Company: : Broadcom Project #: : 06U10233

EUT Description: : 2x2 Dual Band MIMO Device Card #316,

: with Apple PCB Antenna

Model No: : BCM94321\_Rev 4.0

S/N: : 316

Configuration : EUT/ minimum peripherals

Mode of Operation: Tx Legacy 5.2 GHz Band Worst Case

TEST Target: : FCC Class B

Page: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHZ	dBuV	dB	$\overline{\mathtt{dBuV/m}}$	$\overline{\text{dBuV/m}}$	dB	
1 2 3 4 5	31.940 104.690 406.360 506.270 572.230 807.940	14.47 28.30 21.02 21.95 17.37 14.83	19.94 12.38 18.20 20.29 21.14 24.69	34.41 40.68 39.21 42.25 38.51 39.52	40.00 43.50 46.00 46.00 46.00	-5.59 -2.82 -6.79 -3.75 -7.49 -6.48	Peak Peak Peak Peak
7	983.510	13.34	26.76	40.09	54.00	-13.91	Peak

EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

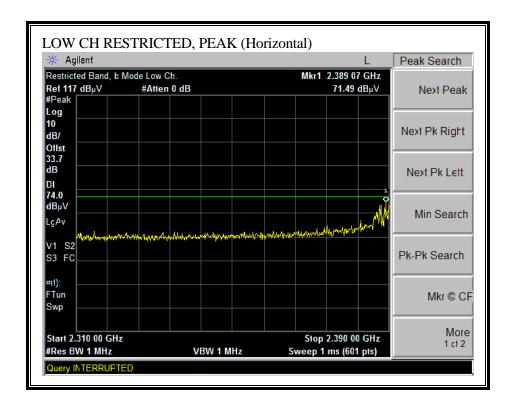
MODEL: BCM94321MC

# MIMO MODE

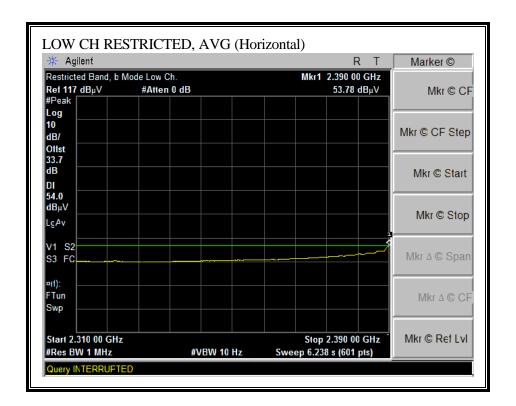
#### 7.13.11. TRANSMITTER ABOVE 1 GHz FOR 2400 TO 2483.5 MHz BAND

# 20 MHz TX BANDWIDTH

RESTRICTED BANDEDGE (LOW CHANNEL, 2412 MHz, HORIZONTAL)



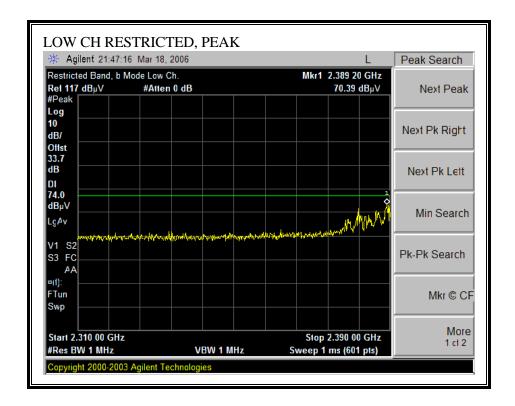
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



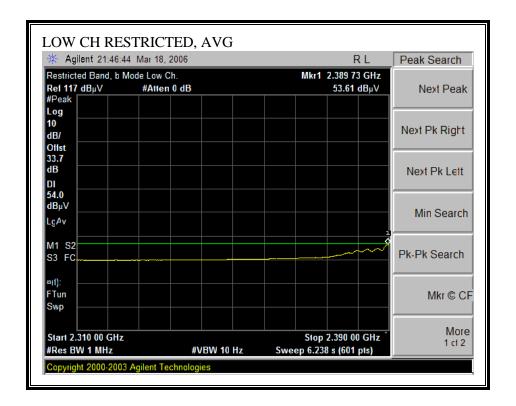
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## RESTRICTED BANDEDGE (LOW CHANNEL, 2412 MHz, VERTICAL)



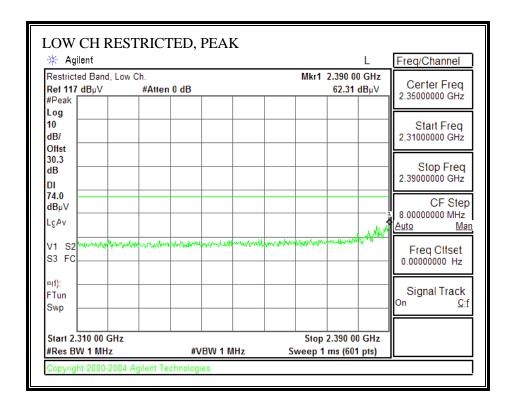
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



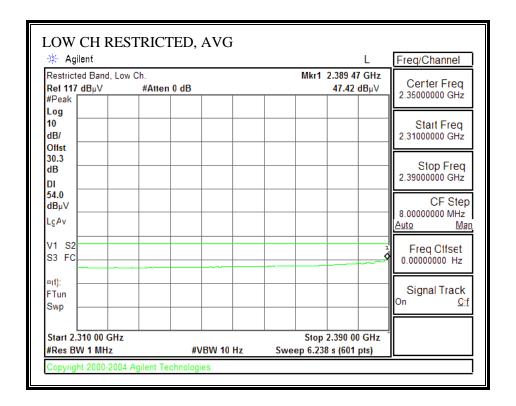
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## RESTRICTED BANDEDGE (LOW CHANNEL, 2417 MHz, HORIZONTAL)



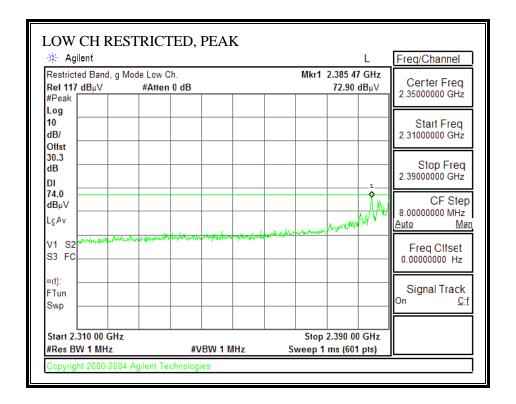
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



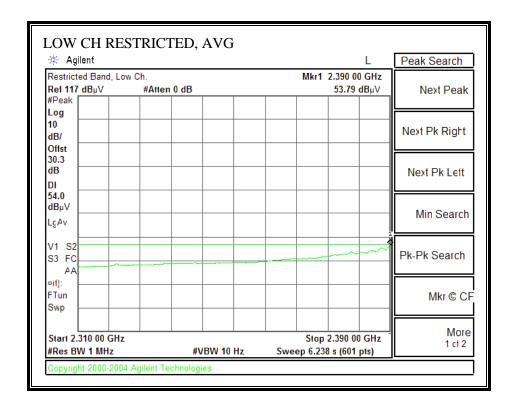
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## RESTRICTED BANDEDGE (LOW CHANNEL, 2417 MHz, VERTICAL)



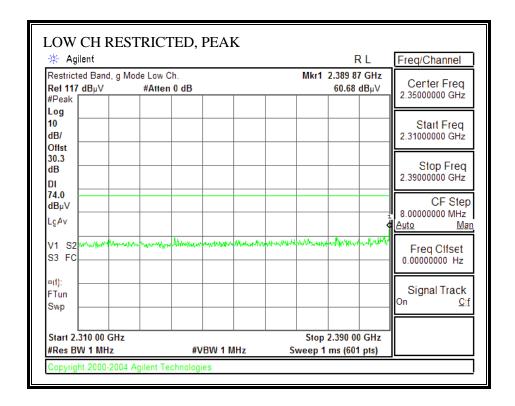
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



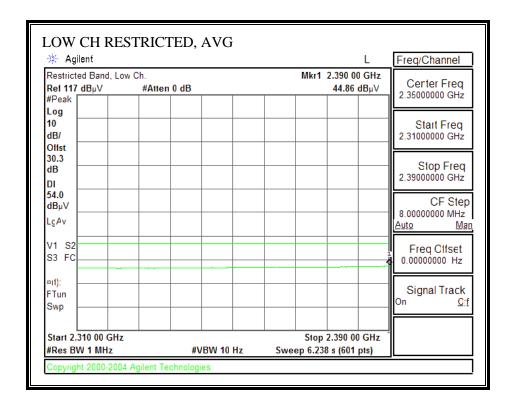
EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## RESTRICTED BANDEDGE (LOW CHANNEL, 2422 MHz, HORIZONTAL)



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD



EUT: BROADCOM 802.11ag /DRAFT 802.11n WIRELESS LAN PCI-E MINI CARD

MODEL: BCM94321MC

## RESTRICTED BANDEDGE (LOW CHANNEL, 2422 MHz, VERTICAL)

