



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
		Account Manager:	-
Contact:	Kevin Lee		-
Emissions Standard(s):	FCC 15.247 & RSS-210	Class:	Radio
Immunity Standard(s):	-	Environment:	-

## EMC Test Data

For The

**Cisco-Lynksys**

Model

**WRT600N**

Date of Last Test:



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
		Account Manger:	-
Contact:	Kevin Lee		
Emissions Standard(s):	FCC 15.247 & RSS-210	Class:	Radio
Immunity Standard(s):	-	Environment:	-

### EUT INFORMATION

*The following information was collected during the test session(s).  
The client agreed to provide the following information after the test session(s).*

#### General Description

The EUT is a Dual-band Wireless-N Router that is designed to provide wireless internet and networking services. Since the EUT would be placed on a table top during operation, the EUT was treated as table-top equipment during testing to simulate the end-user environment. The electrical rating of the EUT is 120 Volts , 60 Hz, .5 Amps.

#### Equipment Under Test

Manufacturer	Model	Description	Serial Number	FCC ID
Cisco-Linksys LLC	WRT600N	Dual-band Wireless-N	-	Q87-WRT600NV1

#### EUT Antenna (Intentional Radiators Only)

The antenna is integral to the device. A dipole antenna with a maximum gain of 3.6dBi, PiFA antenna maximum gain 2.5, and a PCB antenna maximum gain 1.9dBi.

#### EUT Enclosure

The EUT enclosure is primarily constructed of plastic. It measures approximately 30 cm wide by 5 cm deep by 25 cm high.

#### Modification History

Mod. #	Test	Date	Modification
1	-	-	None

Modifications applied are assumed to be used on subsequent tests unless otherwise stated as a further modification.



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		Account Manger:	-
Contact:	Kevin Lee		
Emissions Standard(s):	FCC 15.247 & RSS-210	Class:	Radio
Immunity Standard(s):	-	Environment:	-

### Test Configuration #1

*The following information was collected during the test session(s).  
The client agreed to provide the following information after the test session(s).*

#### Local Support Equipment

Manufacturer	Model	Description	Serial Number	FCC ID
-	-	-	-	-

#### Remote Support Equipment

Manufacturer	Model	Description	Serial Number	FCC ID
Hewlett Packard	zv6000	Laptop	CND52904S1	DoC

#### Cabling and Ports

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length(m)
Ethernet	Laptop	Cat5	Unshielded	1.0
AC Power	AC Mains	-	-	-

#### EUT Operation During Emissions Tests

During emissions testing the EUT was set to either to transmit at maximum power or receive on appropriate channels.



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### RSS 210 and FCC 15.247 Radiated Emissions

#### Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 8/30/2007                      Config. Used: 1  
Test Engineer: Rafael Varelas              Config Change: None  
Test Location: Fremont Chamber #3              EUT Voltage: 120V/60Hz

#### General Test Configuration

The EUT and all local support equipment were located on the turntable for radiated emissions testing.

For radiated emissions testing the measurement antenna was located 3 meters from the EUT.

**Ambient Conditions:**              Temperature:              22.4 °C  
   Rel. Humidity:              41 %

#### Summary of Results

Run #	Test Performed	Limit	Pass / Fail	Result / Margin
1 (Legacy Mode)	RE, 1000 - 18000 MHz - Spurious Emissions	FCC Part 15.209 / 15.247( c)	Pass	49.5dBμV/m (298.5μV/m) @ 3856.6MHz (-4.5dB)
2(20MHz CDD Mode)	RE, 1000 - 18000 MHz - Spurious Emissions	FCC Part 15.209 / 15.247( c)	Pass	48.7dBμV/m (272.3μV/m) @ 3856.7MHz (-5.3dB)
3(40MHz SISO Mode)	RE, 1000 - 18000 MHz - Spurious Emissions	FCC Part 15.209 / 15.247( c)	Pass	47.5dBμV/m (237.1μV/m) @ 3836.6MHz (-6.5dB)
4(40MHz CDD Mode)	RE, 1000 - 18000 MHz - Spurious Emissions	FCC Part 15.209 / 15.247( c)	Pass	46.5dBμV/m (211.3μV/m) @ 4894.0MHz (-7.5dB)



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### Modifications Made During Testing

No modifications were made to the EUT during testing

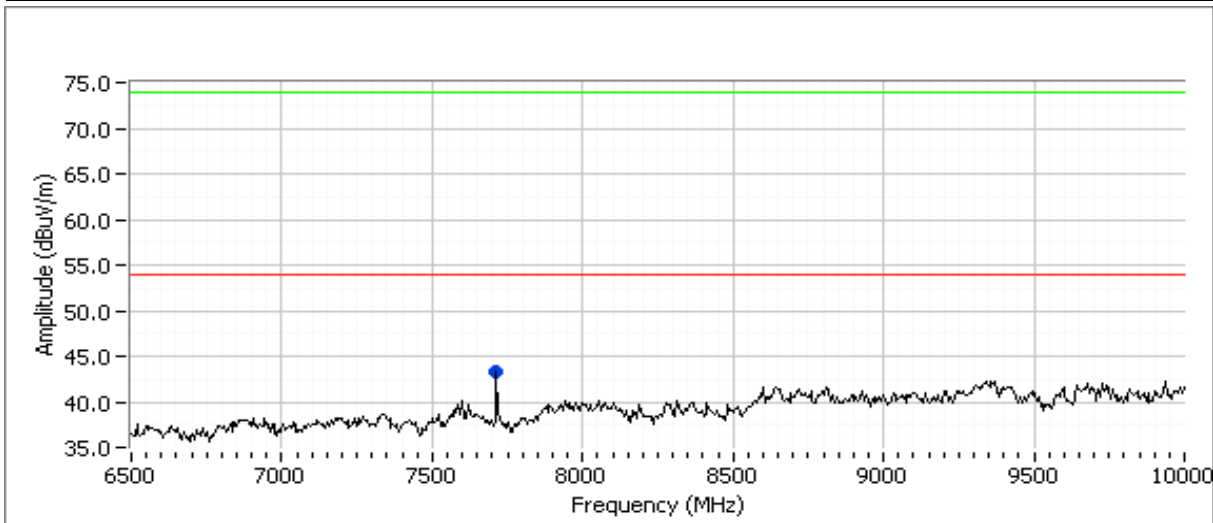
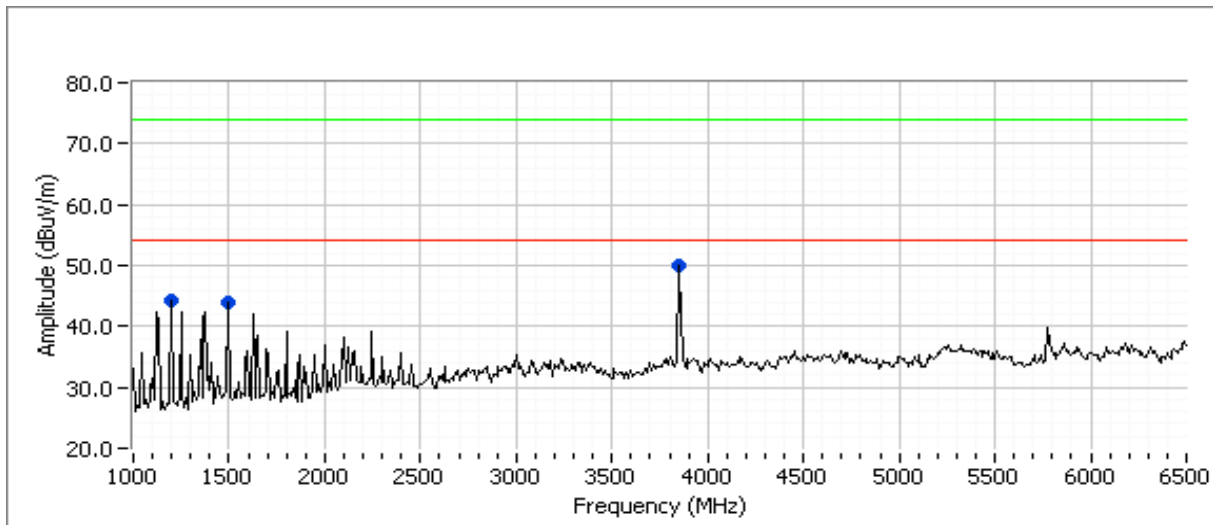
### Deviations From The Standard

No deviations were made from the requirements of the standard.

Note: Preliminary testing showed no radio related emissions below 1 GHz, and no emissions above 18 GHz.

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

**Run #1: Radiated Emissions, 1000 - 18000 MHz. Operating Mode: Legacy Mode**  
**RX on Center Channel @ 5785 MHz**

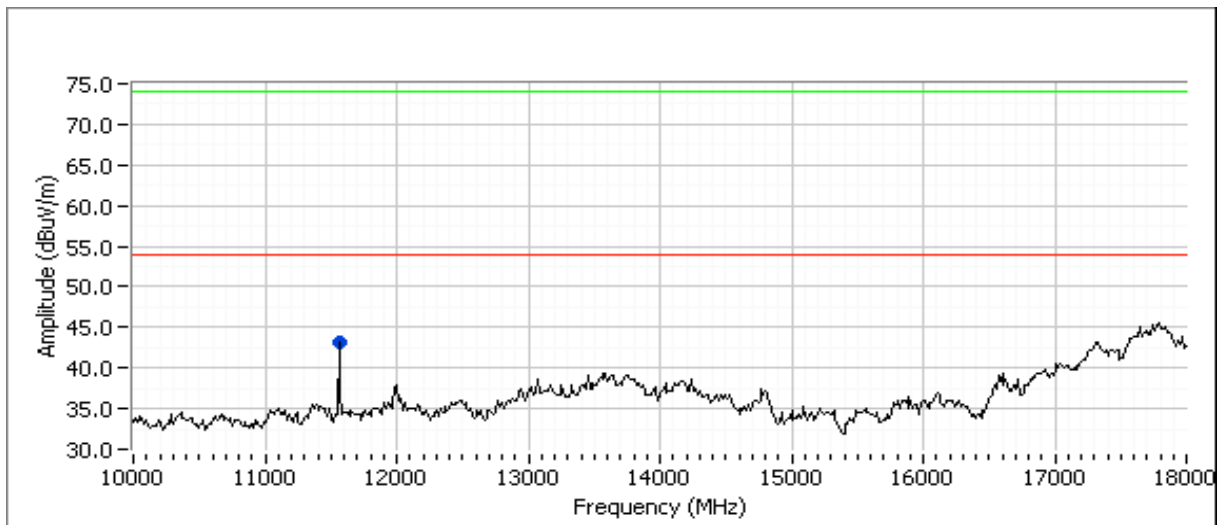




## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

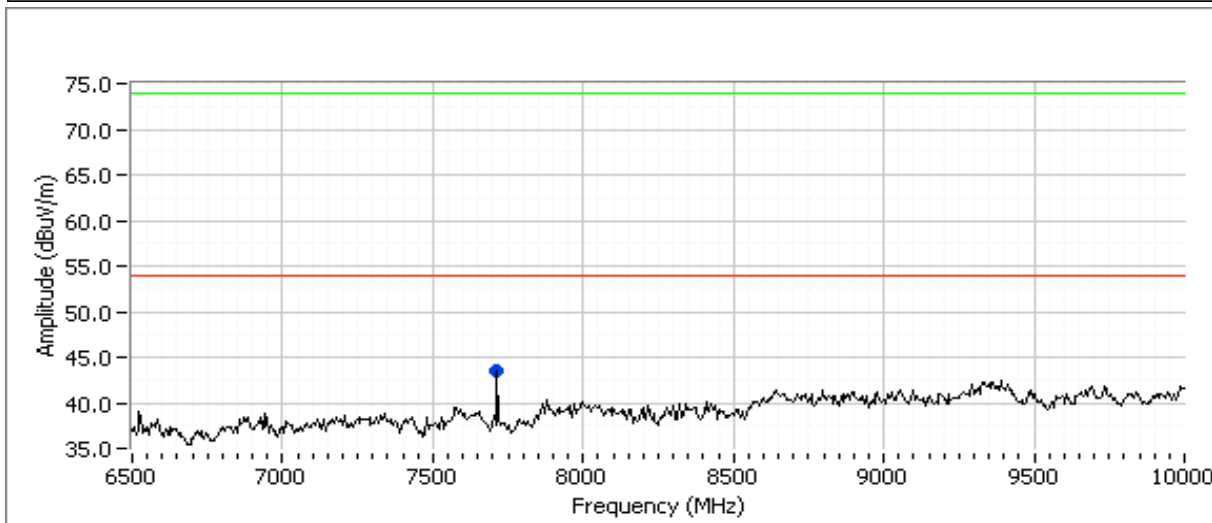
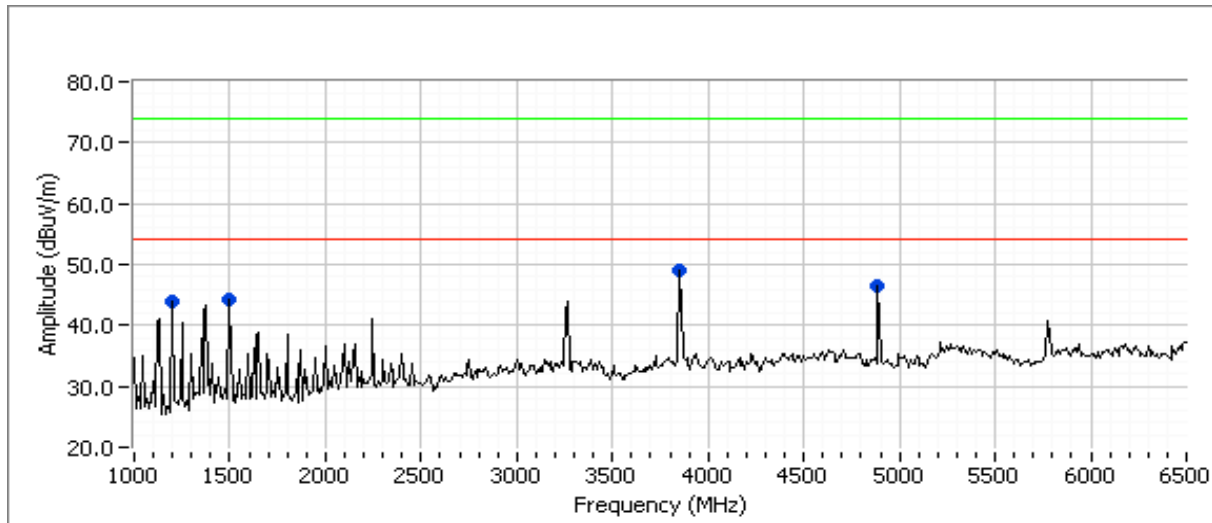
### Run #1: Continued



Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBuV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
3856.640	49.5	V	54.0	-4.5	AVG	85	1.6	
1495.000	44.0	V	54.0	-10.0	Peak	197	1.0	
1199.960	43.8	V	54.0	-10.2	AVG	228	1.0	
7713.330	43.4	V	54.0	-10.6	Peak	133	1.6	
11560.00	43.2	V	54.0	-10.8	Peak	42	1.3	
3856.640	51.3	V	74.0	-22.7	PK	85	1.6	
1199.960	45.8	V	74.0	-28.2	PK	228	1.0	

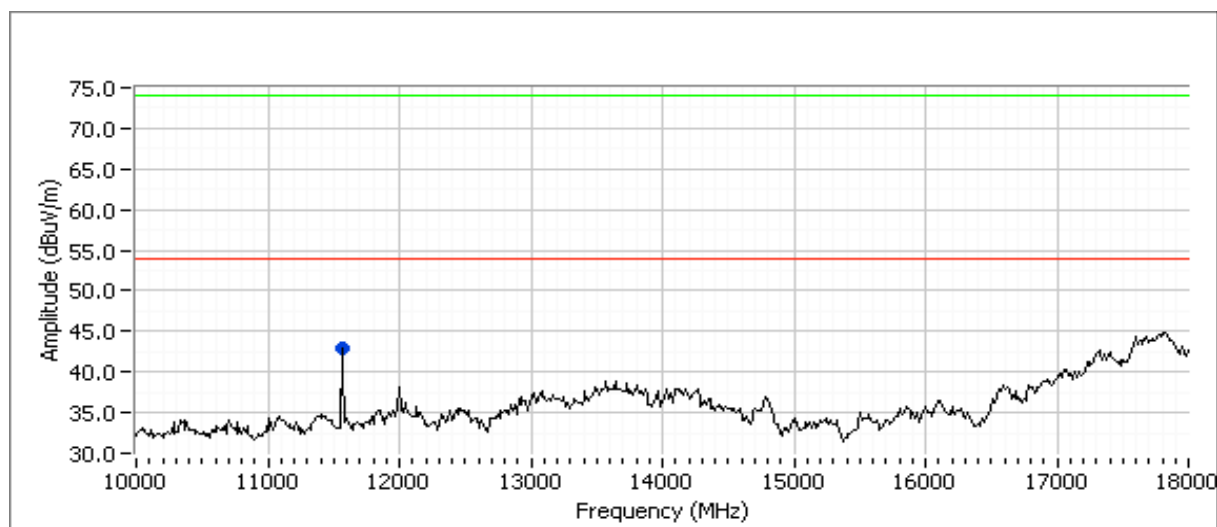
Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**Run #2: Radiated Emissions, 1000 - 18000 MHz. Operating Mode: 20MHz CDD Mode**  
**RX on Center Channel @ 5785 MHz**





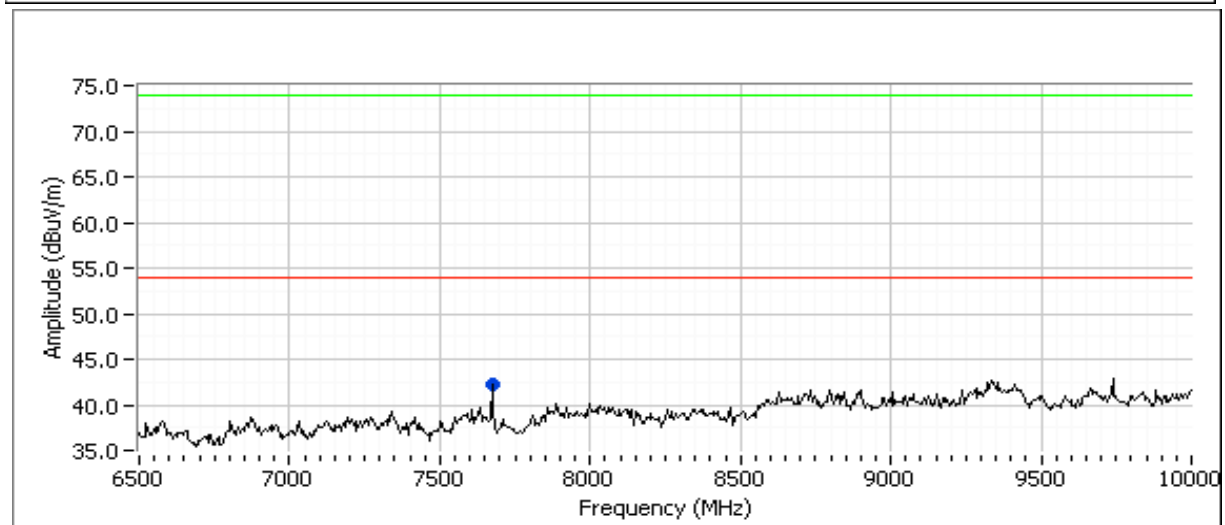
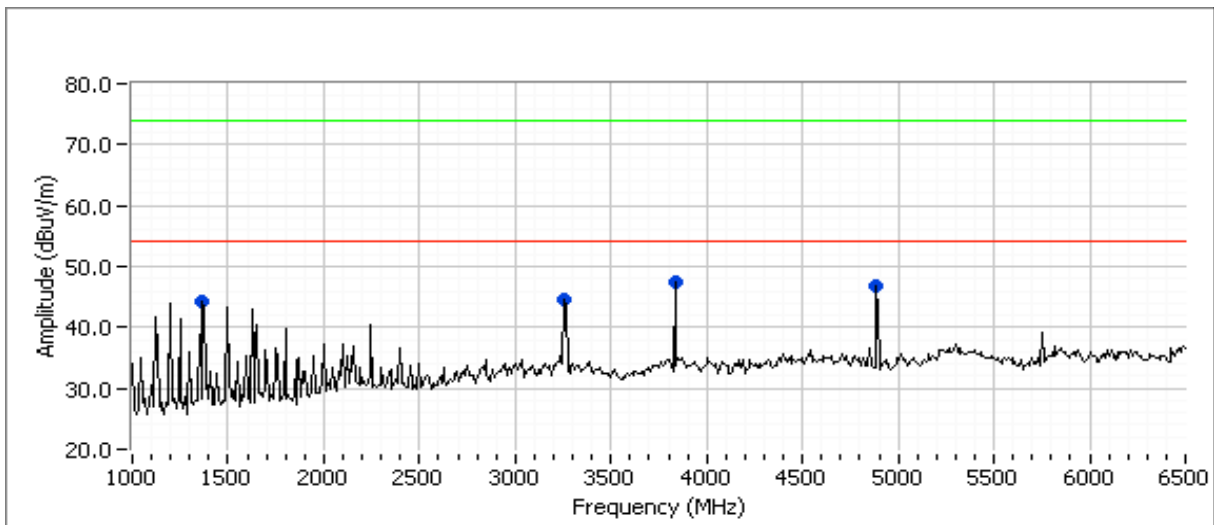
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

**Run #2: Continued**


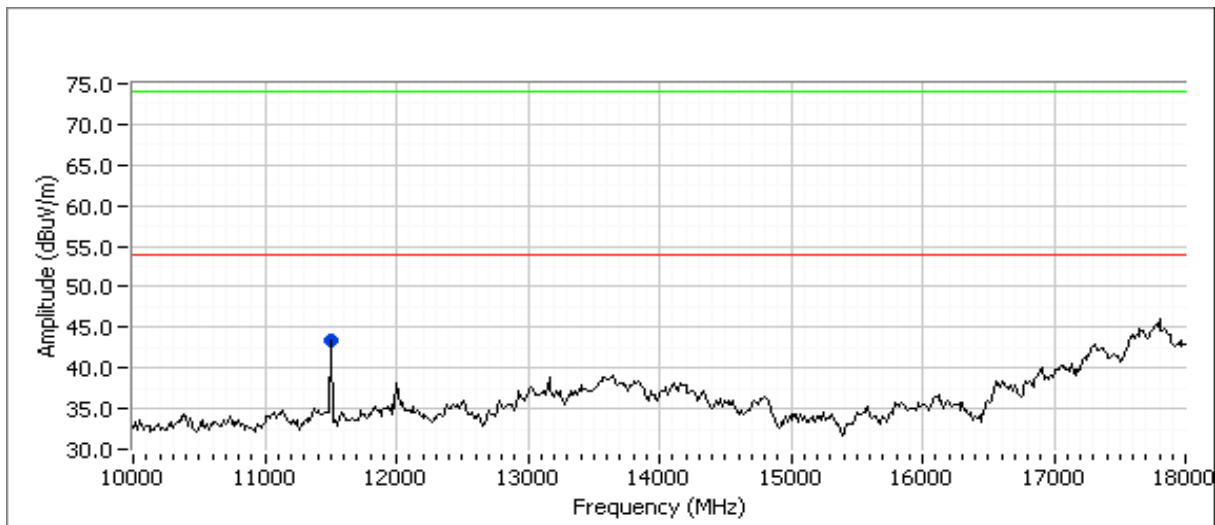
Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBuV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
3856.65	48.7	V	54.0	-5.3	AVG	107	1.9	
4894.00	46.1	V	54.0	-7.9	AVG	201	1.6	
1192.500	43.9	V	54.0	-10.1	Peak	224	1.0	
7713.330	43.5	V	54.0	-10.5	Peak	128	1.6	
11560.00	42.9	V	54.0	-11.1	Peak	37	1.3	
1500.01	40.0	V	54.0	-14.0	AVG	200	2.0	
3856.65	50.8	V	74.0	-23.2	PK	107	1.9	
4894.00	48.5	V	74.0	-25.5	PK	201	1.6	
1500.01	45.5	V	74.0	-28.5	PK	200	2.0	

Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**Run #3: Radiated Emissions, 1000 - 18000 MHz. Operating Mode: 40MHz SISO Mode**  
**RX on Channel @ 5755 MHz**



Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

**Run #3: Continued**


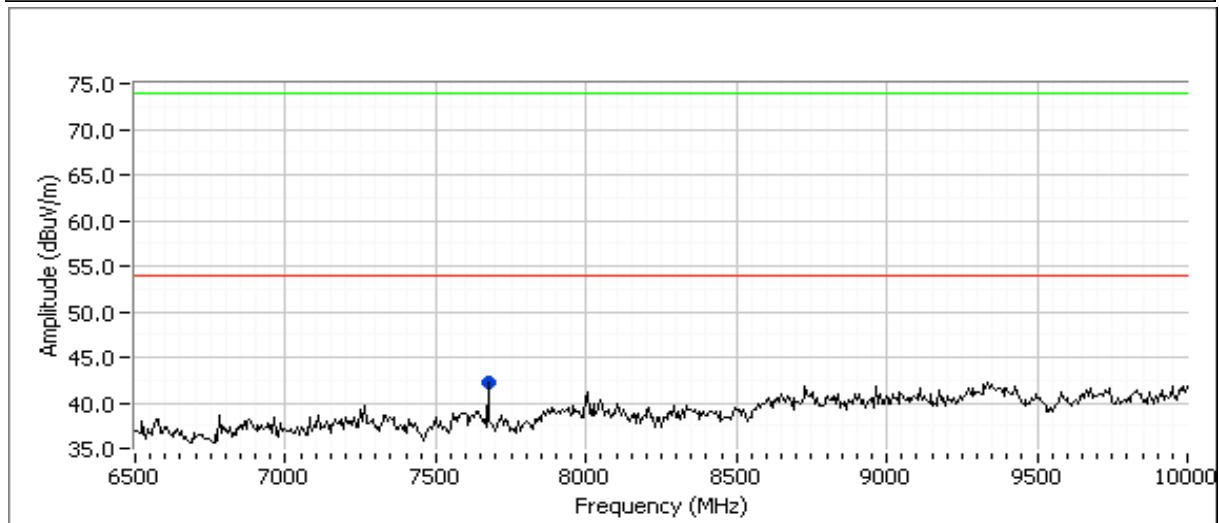
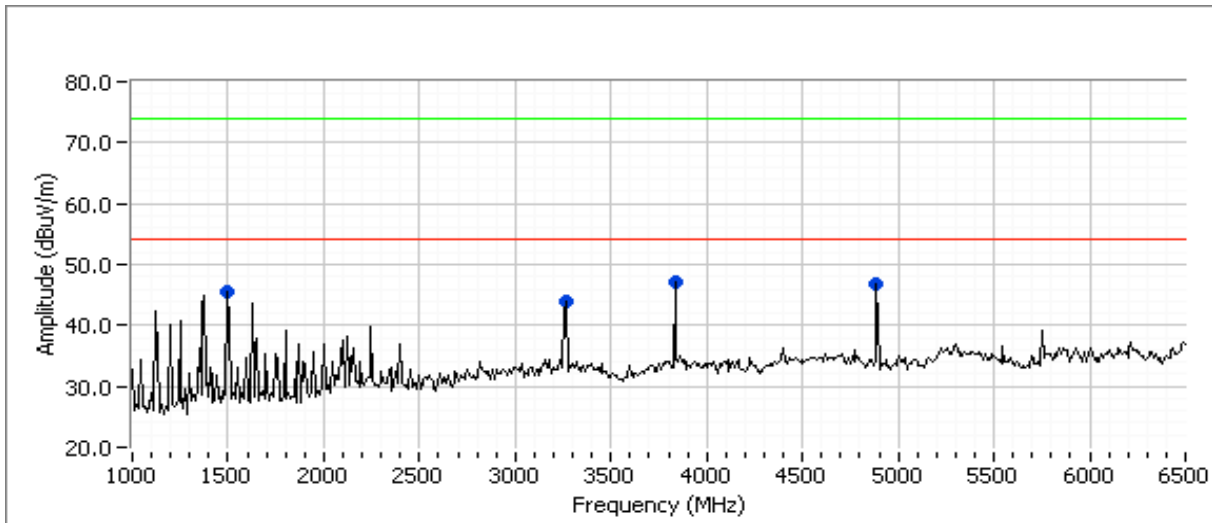
Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBuV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
3836.600	47.5	V	54.0	-6.5	AVG	82	1.6	
4893.940	46.1	V	54.0	-7.9	AVG	202	1.6	
3262.650	43.8	V	54.0	-10.2	AVG	180	1.3	
11506.67	43.4	V	54.0	-10.6	Peak	35	1.3	
7672.500	42.3	V	54.0	-11.7	Peak	137	2.0	
3836.600	49.8	V	74.0	-24.2	PK	82	1.6	
4893.940	48.5	V	74.0	-25.5	PK	202	1.6	
3262.650	47.0	V	74.0	-27.0	PK	180	1.3	
1349.960	26.6	V	54.0	-27.4	AVG	180	1.3	
1349.960	35.4	V	74.0	-38.6	PK	180	1.3	



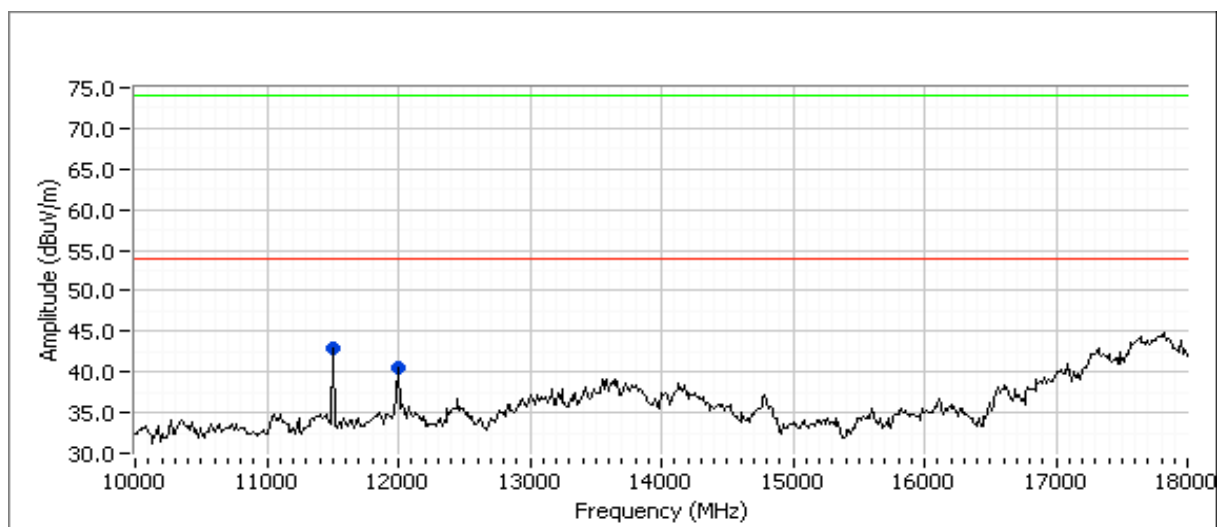
## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

Run #4: Radiated Spurious Emissions, 1000 - 18000 MHz. Operating Mode: 40MHz CDD Mode  
RX on Channel @ 5755 MHz



Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

**Run #4: Continued**


Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBuV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
4893.950	46.5	V	54.0	-7.5	AVG	203	1.9	
3836.610	45.7	V	54.0	-8.3	AVG	83	1.6	
3264.170	43.9	V	54.0	-10.1	Peak	154	1.3	
11506.67	42.9	V	54.0	-11.1	Peak	34	1.3	
7672.500	42.3	V	54.0	-11.7	Peak	126	1.3	
12000.00	40.5	V	54.0	-13.5	Peak	16	1.3	
1500.040	39.3	V	54.0	-14.7	AVG	229	1.0	
4893.950	48.8	V	74.0	-25.2	PK	203	1.9	
3836.610	48.3	V	74.0	-25.7	PK	83	1.6	
1500.040	45.3	V	74.0	-28.7	PK	229	1.0	



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

### RSS 210 and FCC 15.247 Radiated Spurious Emissions

#### Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 8/24/2007  
Test Engineer: Rafael Varelas  
Test Location: Fremont Chamber #4

Config. Used: 1  
Config Change: None  
EUT Voltage: 120V/60Hz

#### General Test Configuration

The EUT and all local support equipment were located on the turntable for radiated spurious emissions testing.

For radiated emissions testing the measurement antenna was located 3 meters from the EUT.

**Ambient Conditions:**  
Temperature: 22.9 °C  
Rel. Humidity: 45 %

#### Summary of Results

Run #	Test Performed	Limit	Pass / Fail	Result / Margin
1 (40MHz SISO Mode)	RE, 30 - 18000 MHz - Spurious Emissions	FCC Part 15.209 / 15.247( c)	Pass	49.5dBµV/m (298.5µV/m) @ 3832.8MHz (-4.5dB)

#### Modifications Made During Testing

No modifications were made to the EUT during testing

#### Deviations From The Standard

No deviations were made from the requirements of the standard.

Note: Preliminary testing showed no radio related emissions below 1 GHz, and no emissions above 18 GHz.

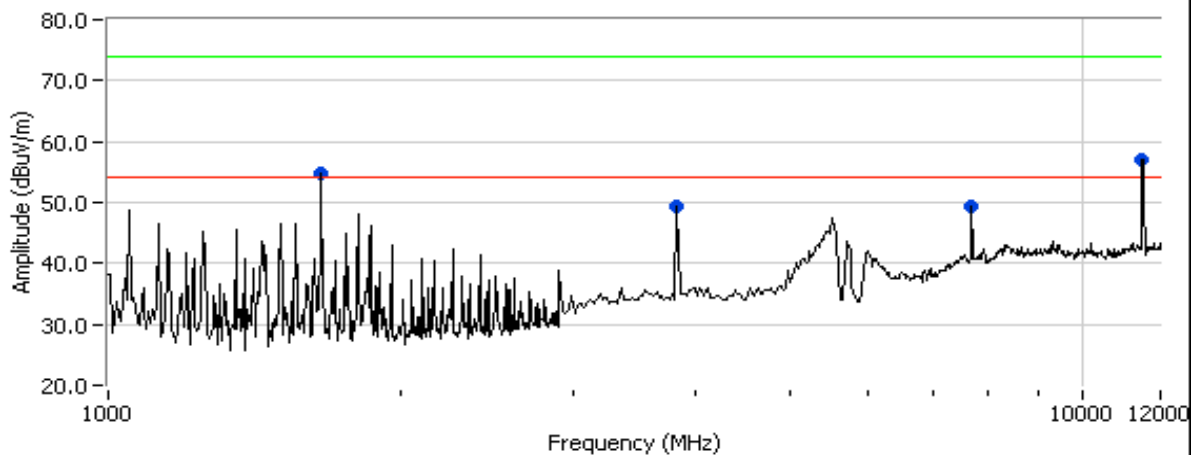
Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: Radio

### Run #1: Radiated Spurious Emissions, 1000 - 18000 MHz.

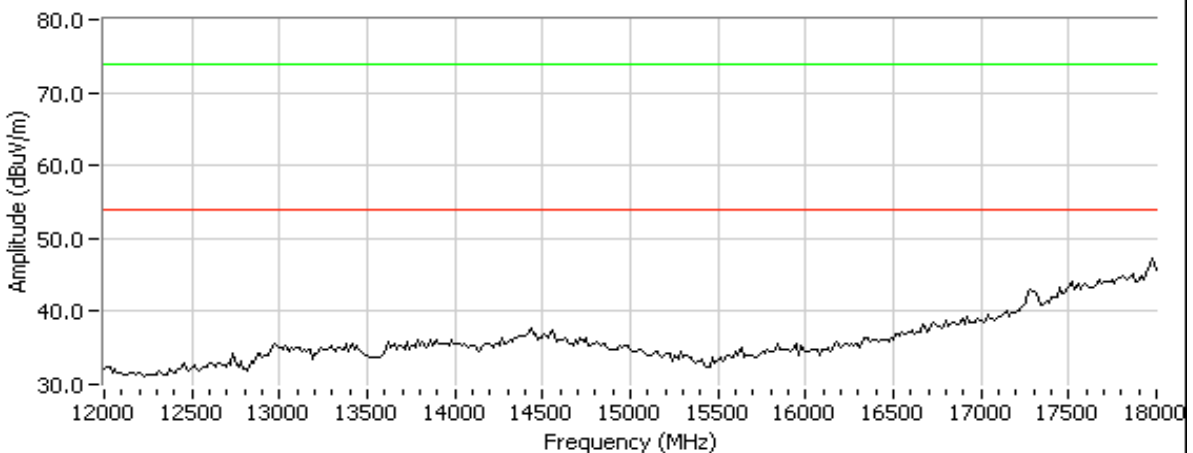
Frequency Range	Test Distance	Limit Distance	Extrapolation Factor
1000-12000	3	3	0.0
12000-18000	1	3	-9.5

### Run #1a: Low Channel @ 5755 MHz

1000 - 12,000 MHz, Channel 151, 40MHz SISO



12,000 - 18,000 MHz, Channel 151, 40MHz SISO



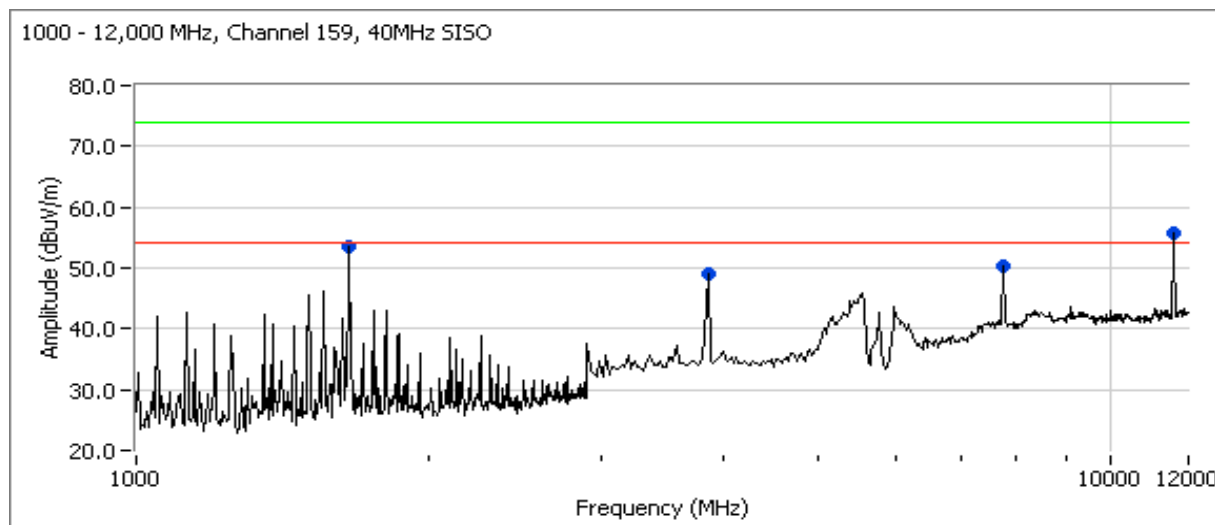
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

**Run #1a: Continued**

Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dB $\mu$ V/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
3832.750	49.5	H	54.0	-4.5	Peak	334	2.0	
7677.500	49.3	V	54.0	-4.7	Peak	85	1.5	
11498.700	45.0	V	54.0	-9.0	AVG	265	1.0	
11498.700	58.5	V	74.0	-15.5	PK	265	1.0	
1649.880	50.1	V	54.0	-3.9	AVG	82	1.0	Non-restricted
1649.880	51.9	V	74.0	-22.1	PK	82	1.0	

Note 1: For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental and measured in 100kHz.

Note 2: Signal is not in a restricted band but the more stringent restricted band limit was used.

**Run #1b: High Channel @ 5795 MHz**


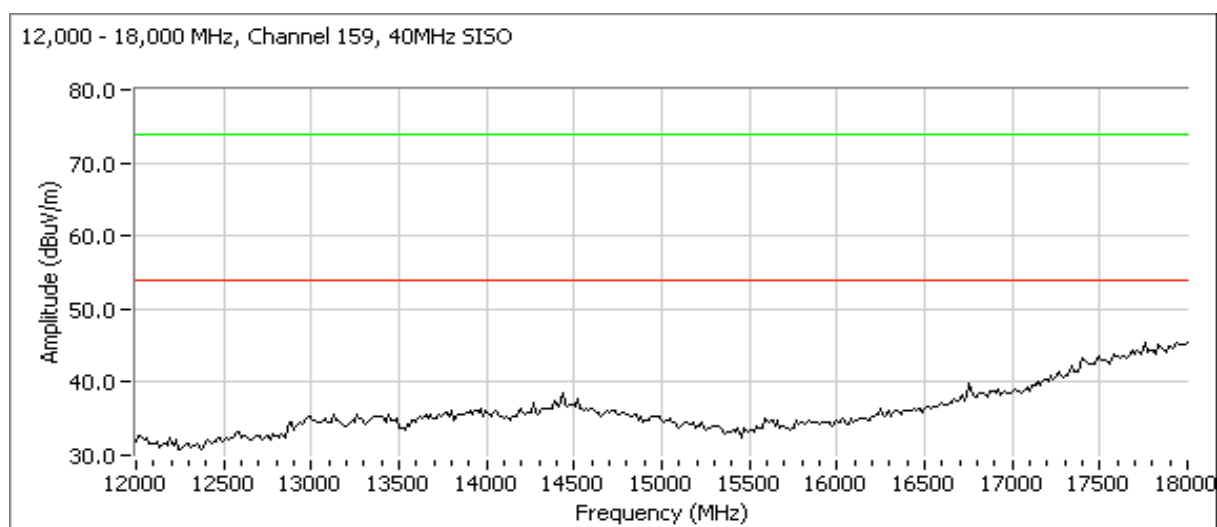




# EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

## Run #1b: Continued



Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBuV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
3855.500	49.1	V	54.0	-4.9	Peak	128	2.0	
7745.750	49.3	V	54.0	-4.7	Peak	276	1.0	
11591.420	43.7	V	54.0	-10.3	AVG	239	1.0	
11591.420	59.8	V	74.0	-14.2	PK	239	1.0	
1649.920	49.4	V	54.0	-4.6	AVG	0	1.0	Non-restricted
1649.920	51.1	V	74.0	-22.9	PK	0	1.0	

Note 1: For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental and measured in 100kHz.

Note 2: Signal is not in a restricted band but the more stringent restricted band limit was used.



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### RSS 210 and FCC 15.247 (DTS) Antenna Port Measurements Power, Bandwidth and Spurious Emissions

#### Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 8/19/2007  
Test Engineer: Rafael Varelas  
Test Location: Fremont Chamber #4

Config. Used: 1  
Config Change: None  
EUT Voltage: 120V/60Hz

#### General Test Configuration

The EUT was connected to the spectrum analyzer or power meter via a suitable attenuator. All measurements were made on a single chain.

All measurements have been corrected to allow for the external attenuators used.

**Ambient Conditions:**

Temperature:	22.1 °C
Rel. Humidity:	43 %

#### Summary of Results

Run #	Test Performed	Limit	Pass / Fail	Result / Margin
1	Output Power	15.247(b)	Pass	16.7 dBm
2	Power spectral Density (PSD)	15.247(d)	Pass	-10.5 dBm/3kHz
3	6dB Bandwidth	15.247(a)	Pass	35.6 MHz
3	99% Bandwidth	RSS GEN	-	36.8 MHz
4	Spurious emissions	15.247(b)	Pass	<30 dBc

#### Modifications Made During Testing

No modifications were made to the EUT during testing

#### Deviations From The Standard

No deviations were made from the requirements of the standard.



## EMC Test Data

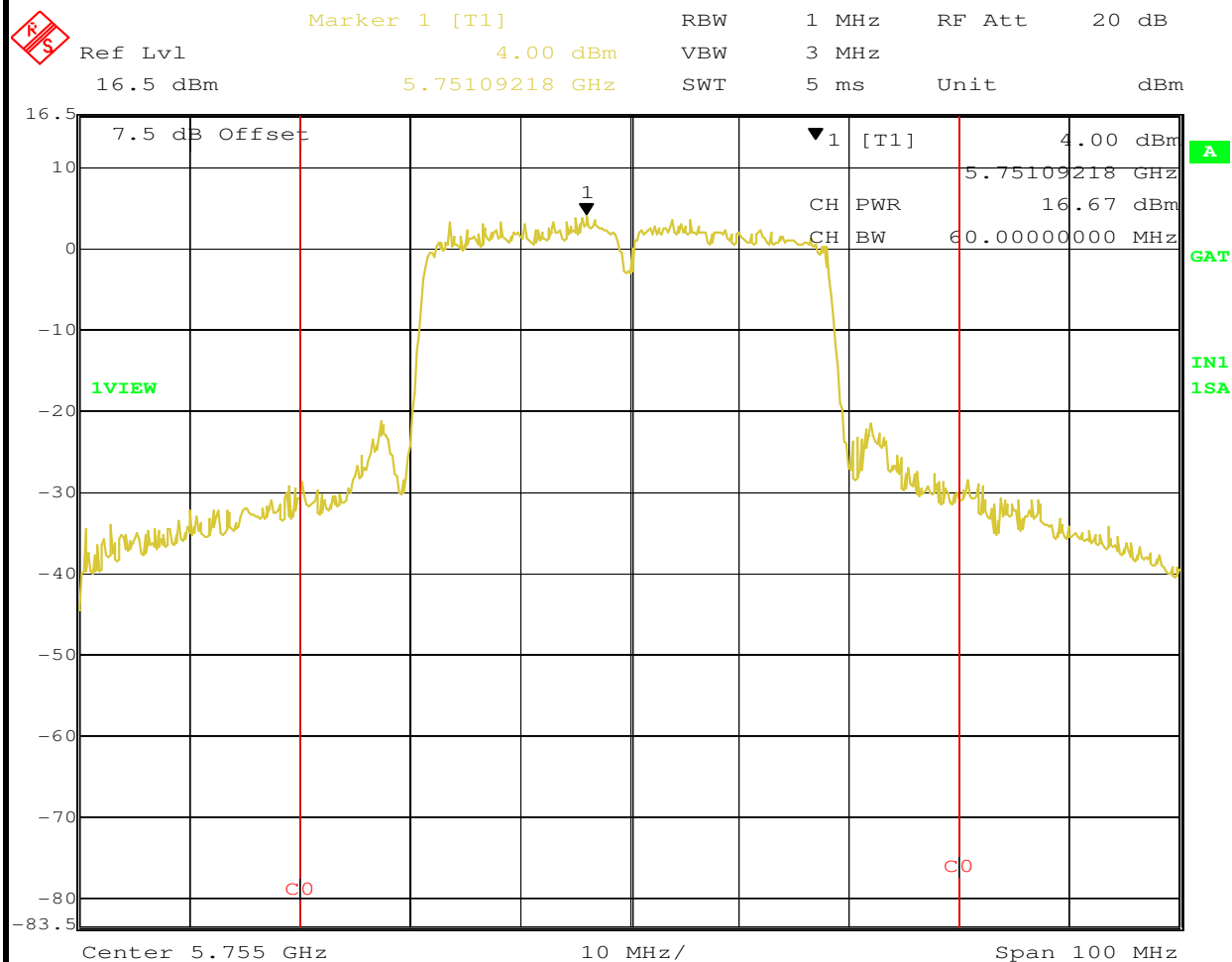
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### Run #1: Output Power

Power Setting <sup>2</sup>	Frequency (MHz)	Output Power		Antenna Gain (dBi)	Result	EIRP	
		(dBm) <sup>1</sup>	mW			dBm	W
	5755	16.7	46.5	3.7	Pass	20.4	0.109
	5795	16.5	44.3	3.7	Pass	20.2	0.104

Note 1: RBW=1MHz, VB=3 MHz, sample detector, power averaging on (transmitted signal was not continuous but the ESI analyzer was configured with a gated sweep such that the analyzer was only sweeping when the device was transmitting) and power integration over 100 MHz

Note 2: Power setting - the software power setting used during testing, included for reference only.

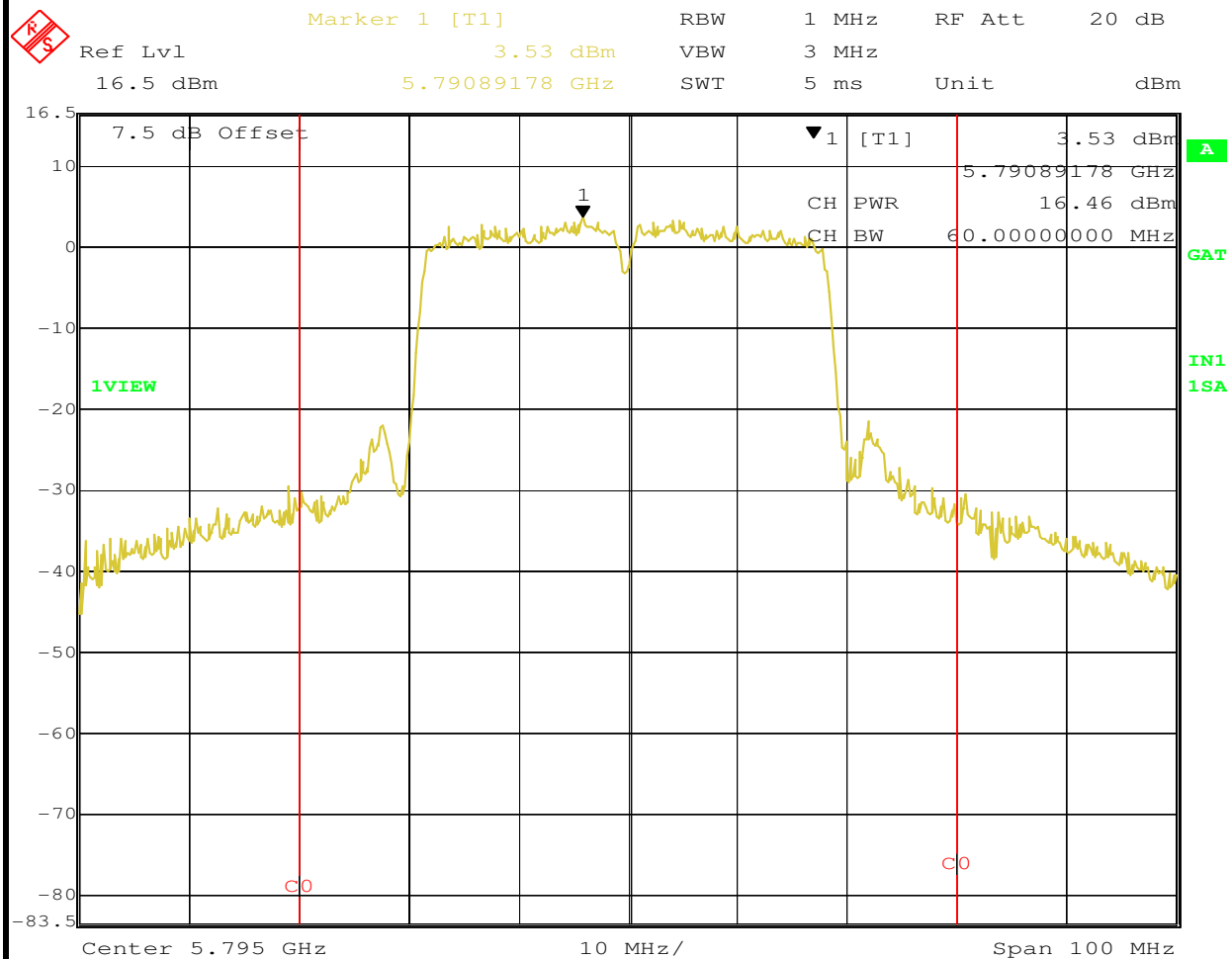


Date: 19.AUG.2007 19:59:38



## EMC Test Data

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Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A



Date: 19.AUG.2007 20:03:05



## EMC Test Data

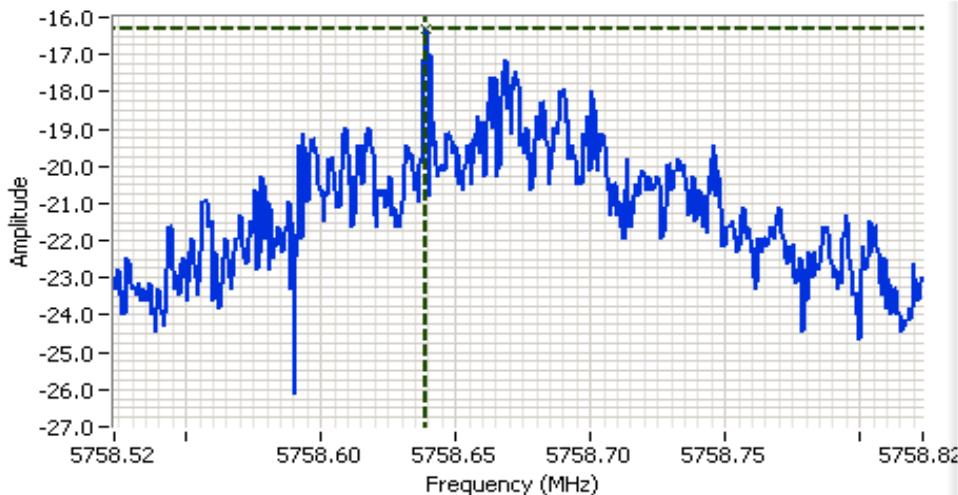
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### Run #2: Power spectral Density

Power Setting	Frequency (MHz)	PSD	Limit dBm/3kHz	Result
		(dBm/3kHz) <sup>Note 1</sup>		
	5758.639	-16.3	8.0	Pass
	5802.128	-10.5	8.0	Pass

Note 1:

Power spectral density measured using RB=3 kHz, VB=10kHz, analyzer with peak detector and with a sweep time set to ensure a dwell time of at least 1 second per 3kHz. The measurement is made at the frequency of PPSPD determined from preliminary scans using RB=3kHz using multiple sweeps at a faster rate over the 6dB bandwidth of the signal.



#### Analyzer Settings

HP8564E  
CF: 5758.67 MHz  
SPAN: 300 kHz  
RB 3 kHz  
VB 10 kHz  
Detector POS  
Att 10  
RL Offset 11.00  
Sweep Time 100.0s  
Ref Lvl: 5.20 DBM

#### Comments

40MHz SISO  
5755MHz  
PSD  
Main

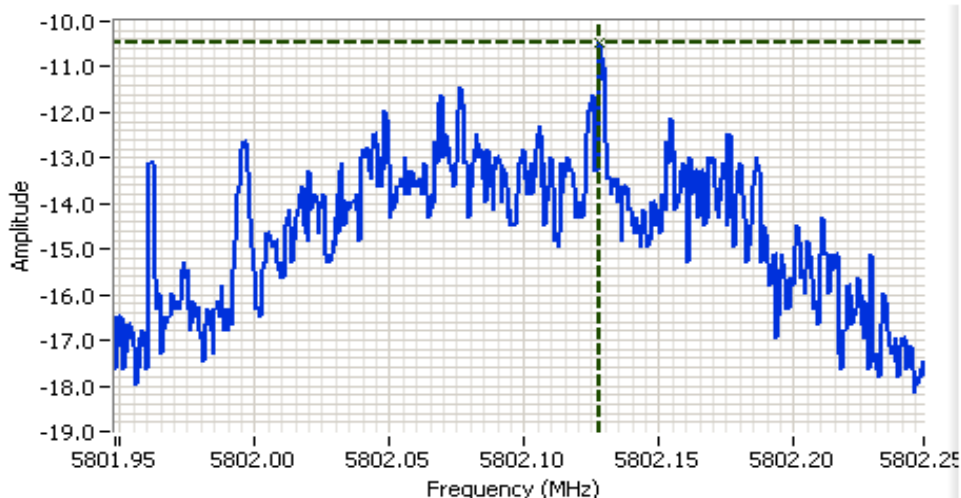
Cursor 1	5758.639	-16.30		
	0.000	0.00		





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Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A



### Analyzer Settings

HP8564E  
CF: 5802.10 MHz  
SPAN:300 kHz  
RB 3 kHz  
VB 10 kHz  
Detector POS  
Att 10  
RL Offset 11.00  
Sweep Time 100.0s  
Ref Lvl:5.20DBM

### Comments

40MHz SISO  
5795MHz  
PSD  
Main

Cursor 1 5802.12 -10.47

0.000

0.00





## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### Run #3: Signal Bandwidth

Power Setting	Frequency (MHz)	Resolution Bandwidth	Bandwidth (MHz)	
			6dB	99%
	5755	100kHz	36.1	36.8
	5795	100kHz	35.6	36.6

Note 1: 99% bandwidth measured in accordance with RSS GEN, with RB > 1% of the span and VB > 3xRB

### 5755 MHz, 6dB BW



#### Analyzer Settings

HP8564E  
CF: 5755.00 MHz  
SPAN: 75.00 MHz  
RB 100 kHz  
VB 100 kHz  
Detector POS  
Att 10  
RL Offset 11.00  
Sweep Time 50.0ms  
Ref Lvl: 5.20DBM

#### Comments

40MHz SISO  
5755MHz  
6dB Bandwidth  
Main

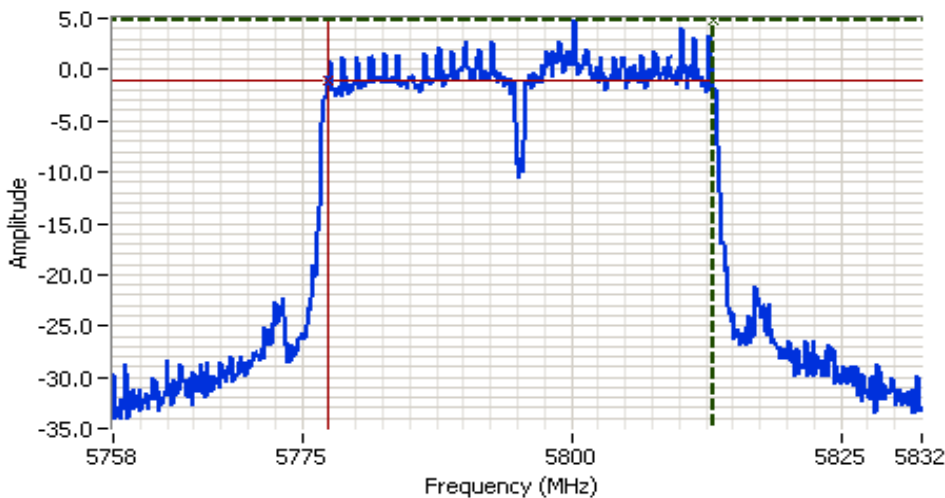
Cursor 1	5773.375	-4.63	
Cursor 2	5737.250	-10.63	

Delta Freq. 36.12  
Delta Amplitude 6.00



Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

### 5795 MHz, 6dB BW



#### Analyzer Settings

HP8564E  
 CF: 5795.00 MHz  
 SPAN: 75.00 MHz  
 RB 100 kHz  
 VB 100 kHz  
 Detector POS  
 Att 10  
 RL Offset 11.00  
 Sweep Time 50.0ms  
 Ref Lvl: 5.20DBM

#### Comments

40MHz SISO  
 5795MHz  
 6dB Bandwidth  
 Main

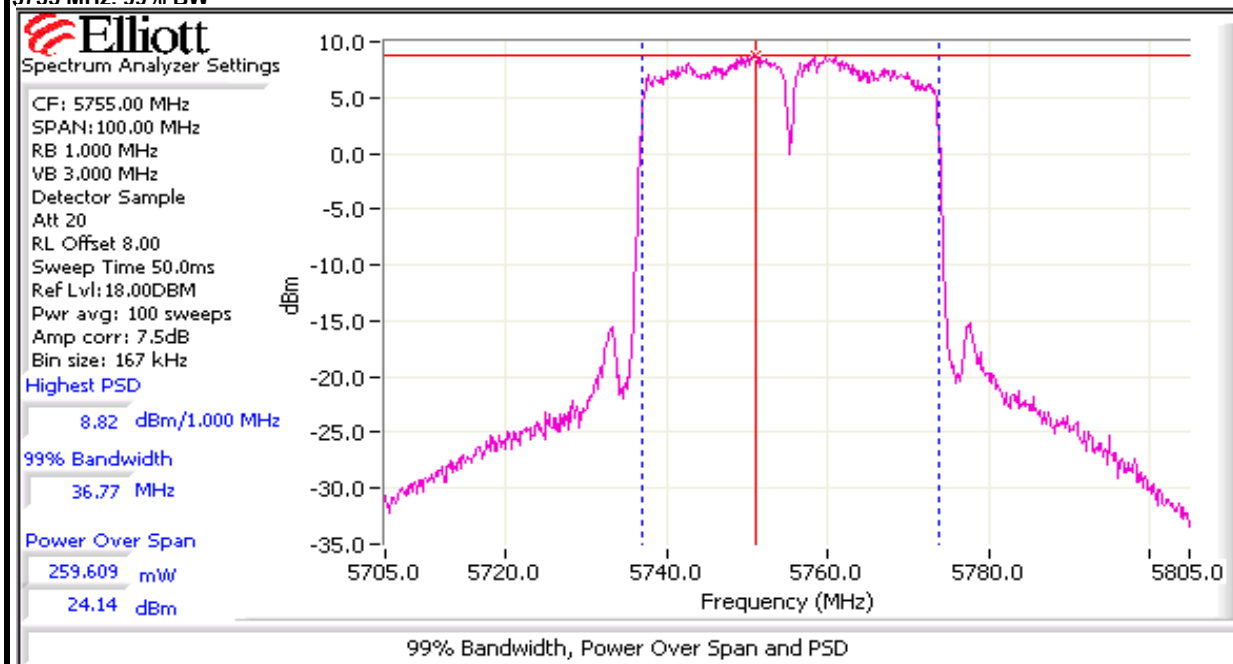
Cursor 1	5813.125	4.87	↕	↔	⏏
Cursor 2	5777.500	-1.13	↕	↔	⏏

Delta Freq. 35.62  
 Delta Amplitude 6.00

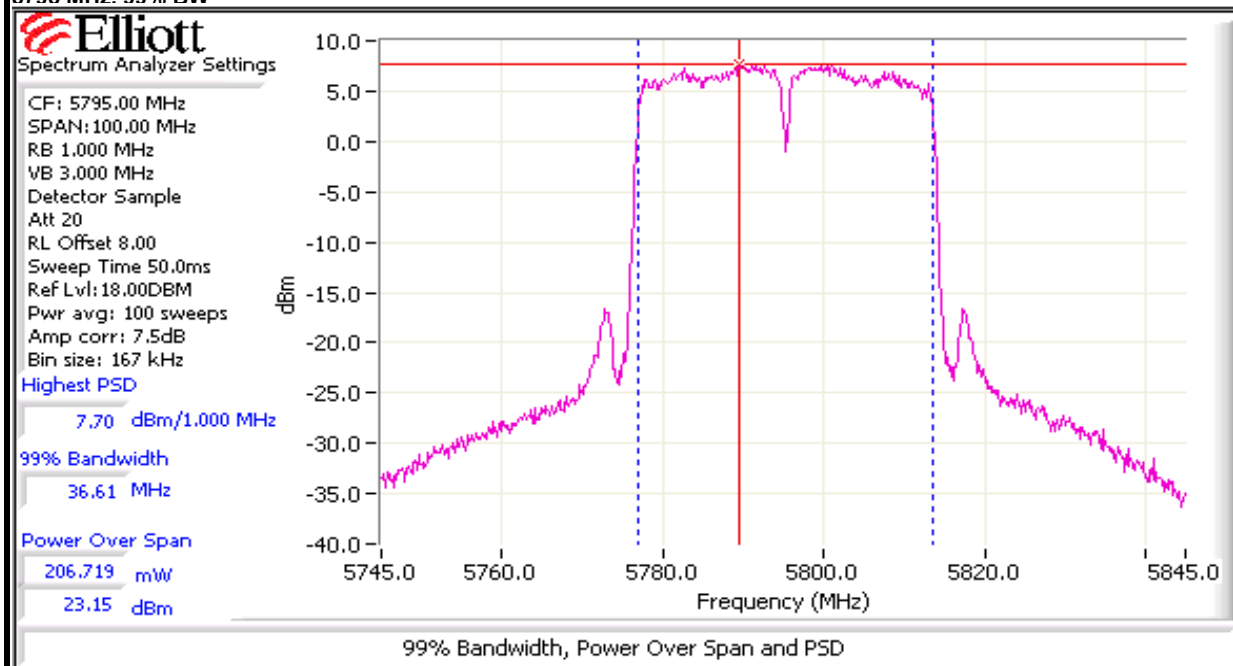


Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5755 MHz, 99% BW



### 5795 MHz, 99% BW

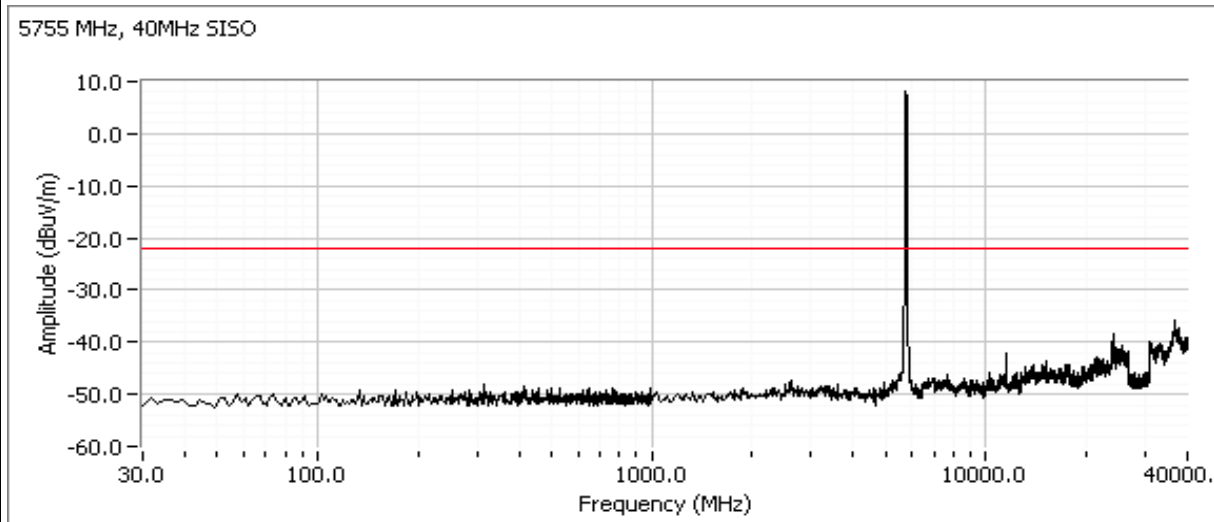


Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

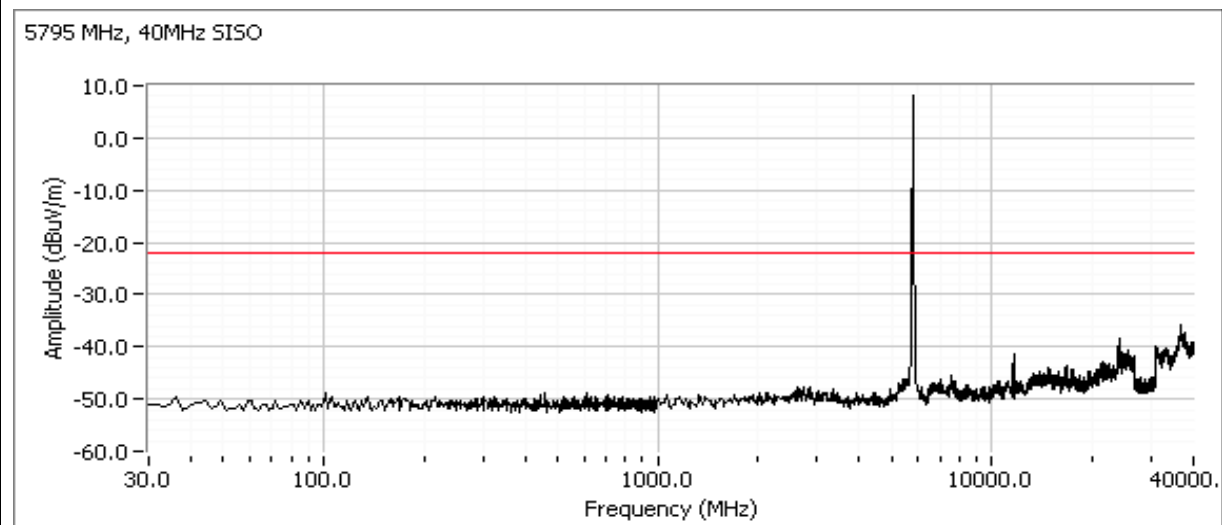
**Run #4: Out of Band Spurious Emissions**

Frequency (MHz)	Limit	Result
5755	-30dBc	>30 dBc
5795	-30dBc	>30 dBc

Plots for low channel



Plots for high channel





## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

### RSS 210 and FCC 15.247 Radiated Spurious Emissions

#### Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 8/24/2007  
Test Engineer: Rafael Varelas  
Test Location: Fremont Chamber #4

Config. Used: 1  
Config Change: None  
EUT Voltage: 120V/60Hz

#### General Test Configuration

The EUT and all local support equipment were located on the turntable for radiated spurious emissions testing.

For radiated emissions testing the measurement antenna was located 3 meters from the EUT.

**Ambient Conditions:**

Temperature:	22.9 °C
Rel. Humidity:	45 %

#### Summary of Results

Run #	Test Performed	Limit	Pass / Fail	Result / Margin
1 (Legacy Mode)	RE, 30 - 18000 MHz - Spurious Emissions	FCC Part 15.209 / 15.247( c)	Pass	51.3dBμV/m (367.3μV/m) @ 7723.0MHz (-2.7dB)

#### Modifications Made During Testing

No modifications were made to the EUT during testing

#### Deviations From The Standard

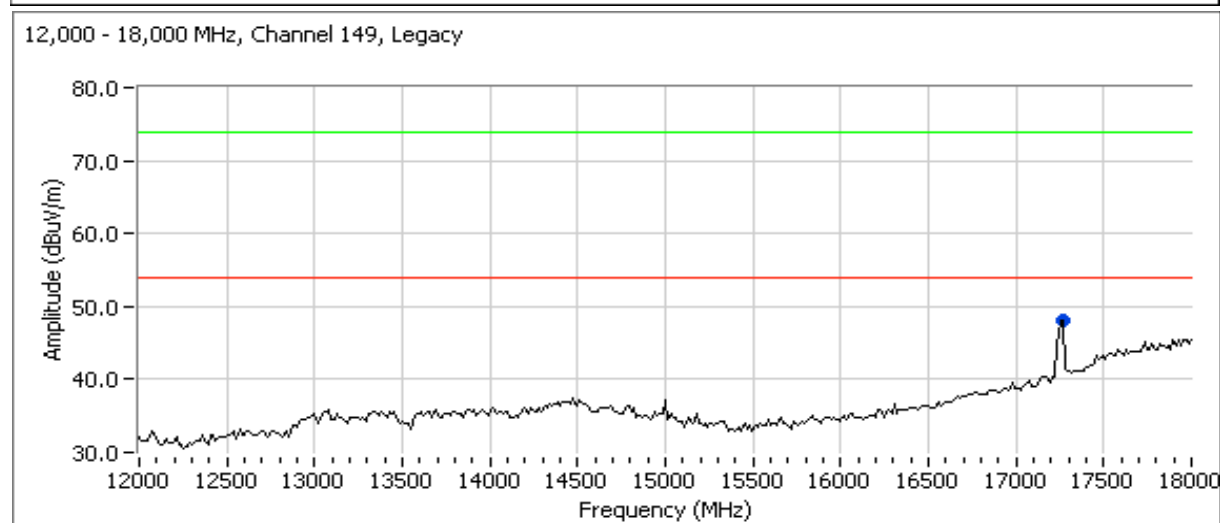
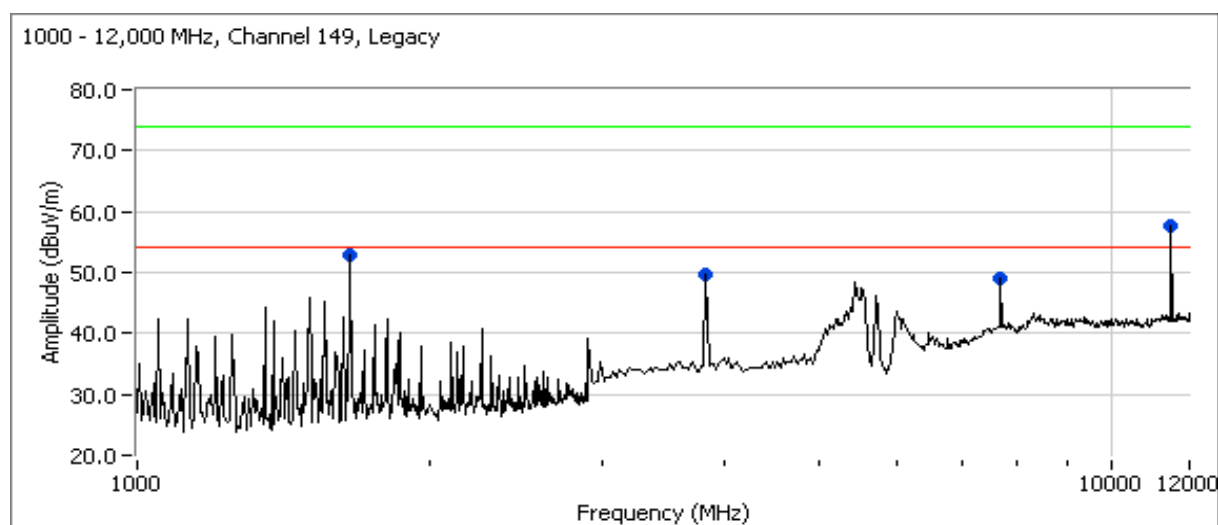
No deviations were made from the requirements of the standard.

Note: Preliminary testing showed no radio related emissions below 1 GHz, and no emissions above 18 GHz.

Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: Radio

**Run #1: Radiated Spurious Emissions, 1000 - 18000 MHz.**

Frequency Range	Test Distance	Limit Distance	Extrapolation Factor
1000-12000	3	3	0.0
12000-18000	1	3	-9.5

**Run #1a: Low Channel @ 5745 MHz**


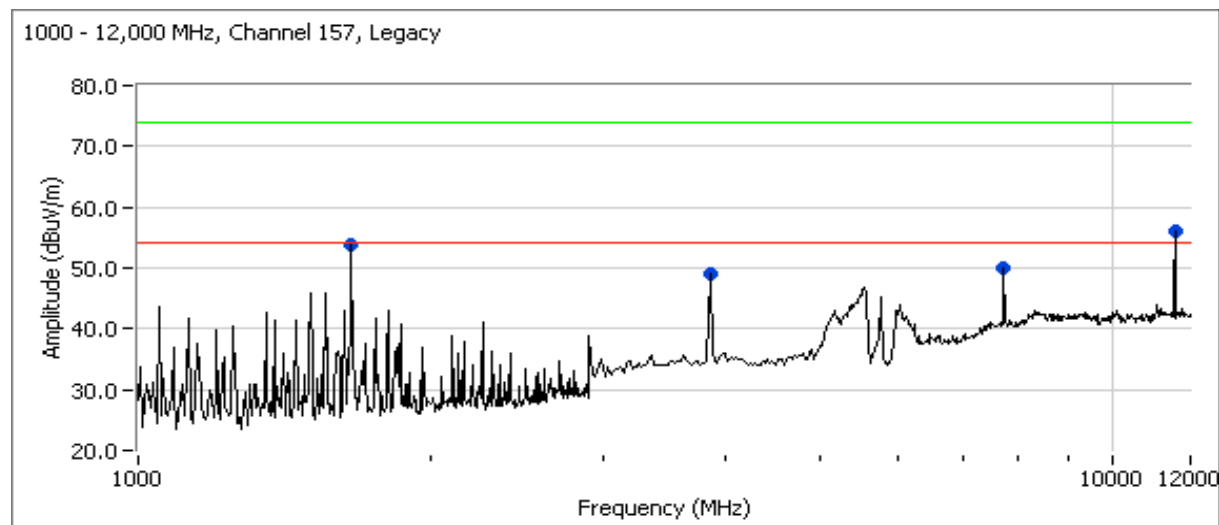
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

**Run #1: Continued**

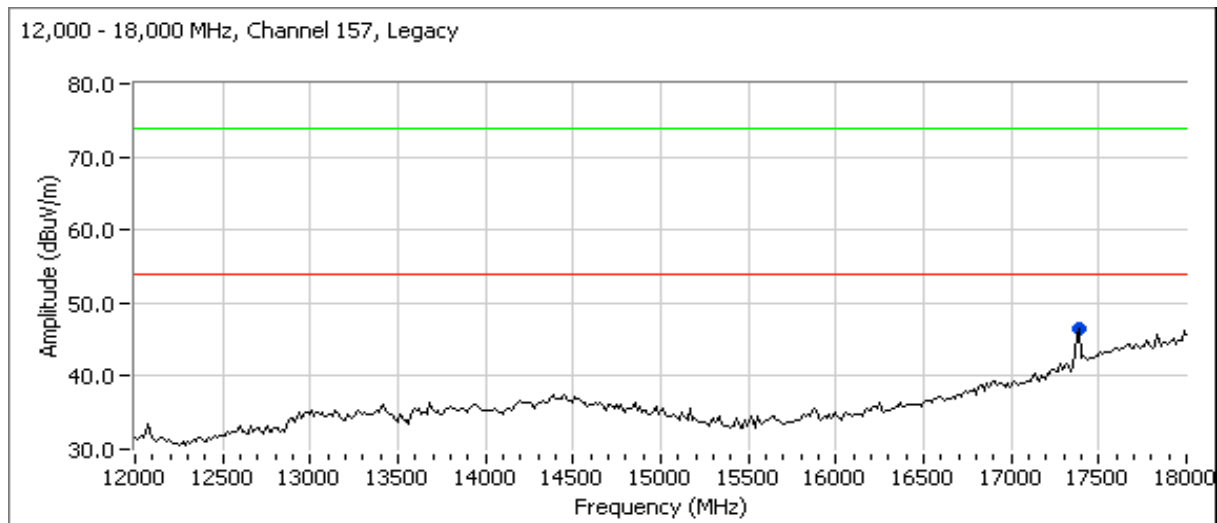
Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBμV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
11490.450	50.5	V	54.0	-3.5	AVG	320	1.5	
1649.900	50.4	V	54.0	-3.6	AVG	17	1.0	Non-restricted
3832.750	49.7	V	54.0	-4.3	Peak	332	1.5	
7677.500	49.1	V	54.0	-4.9	Peak	234	1.5	
17265.000	48.1	V	54.0	-5.9	Peak	293	1.0	
11490.450	67.5	V	74.0	-6.5	PK	320	1.5	
1649.900	53.7	V	74.0	-20.3	PK	17	1.0	

Note 1: For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental and measured in 100kHz.

Note 2: Signal is not in a restricted band but the more stringent restricted band limit was used.

**Run #1b: Center Channel @ 5785 MHz**


Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

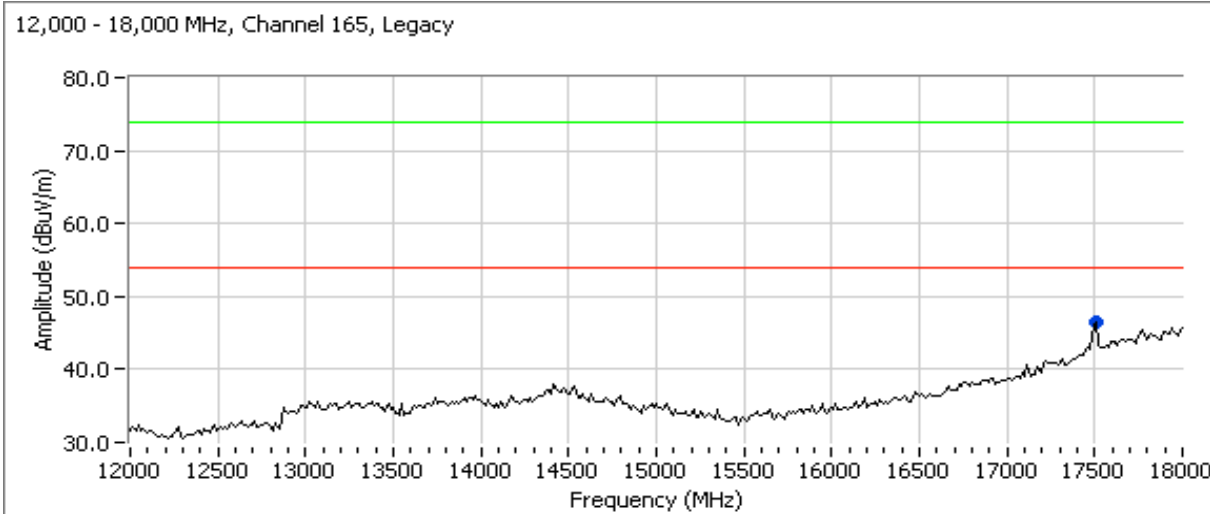
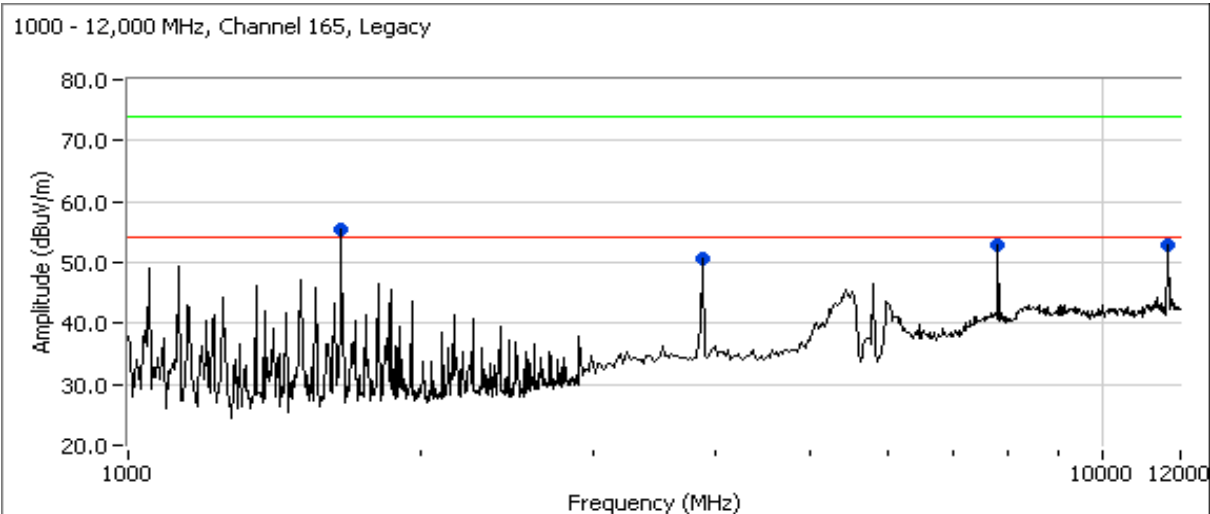
**Run #1b: Continued**


Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBuV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
7723.000	51.3	V	54.0	-2.7	Peak	243	1.5	
1649.930	50.1	V	54.0	-3.9	AVG	16	1.0	Non-restricted
3855.500	49.1	V	54.0	-4.9	Peak	8	2.0	
17385.000	46.4	V	54.0	-7.6	Peak	294	1.0	
11572.840	46.1	V	54.0	-7.9	AVG	350	1.5	
11572.840	58.3	V	74.0	-15.7	PK	350	1.5	
1649.930	53.5	V	74.0	-20.5	PK	16	1.0	

Note 1: For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental and measured in 100kHz.

Note 2: Signal is not in a restricted band but the more stringent restricted band limit was used.

Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: Radio

**Run #1c: High Channel @ 5825 MHz**




## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

### Run #1c: Continued

Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBµV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
1649.970	50.9	V	54.0	-3.1	AVG	85	1.0	Non-restricted
3878.250	50.5	V	54.0	-3.5	Peak	9	2.0	
17505.000	46.6	V	54.0	-7.4	Peak	293	1.0	
7766.510	46.2	V	54.0	-7.8	AVG	245	1.5	
11649.870	44.6	V	54.0	-9.4	AVG	178	1.0	
11649.870	58.2	V	74.0	-15.8	PK	178	1.0	
1649.970	55.4	V	74.0	-18.6	PK	85	1.0	
7766.510	50.5	V	74.0	-23.5	PK	245	1.5	

Note 1:	For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental and measured in 100kHz.
Note 2:	Signal is not in a restricted band but the more stringent restricted band limit was used.





## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### RSS 210 and FCC 15.247 (DTS) Antenna Port Measurements Power, Bandwidth and Spurious Emissions

#### Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 8/19/2007  
Test Engineer: Rafael Varelas  
Test Location: Fremont Chamber #4

Config. Used: 1  
Config Change: None  
EUT Voltage: 120V/60Hz

#### General Test Configuration

The EUT was connected to the spectrum analyzer or power meter via a suitable attenuator. All measurements were made on a single chain.

All measurements have been corrected to allow for the external attenuators used.

**Ambient Conditions:**

Temperature:	22.1 °C
Rel. Humidity:	43 %

#### Summary of Results

Run #	Test Performed	Limit	Pass / Fail	Result / Margin
1	Output Power	15.247(b)	Pass	16.5 dBm
2	Power spectral Density (PSD)	15.247(d)	Pass	-7.1 dBm/3kHz
3	6dB Bandwidth	15.247(a)	Pass	16.3 MHz
3	99% Bandwidth	RSS GEN	-	17 MHz
4	Spurious emissions	15.247(b)	Pass	>30 dBc

#### Modifications Made During Testing

No modifications were made to the EUT during testing

#### Deviations From The Standard

No deviations were made from the requirements of the standard.



## EMC Test Data

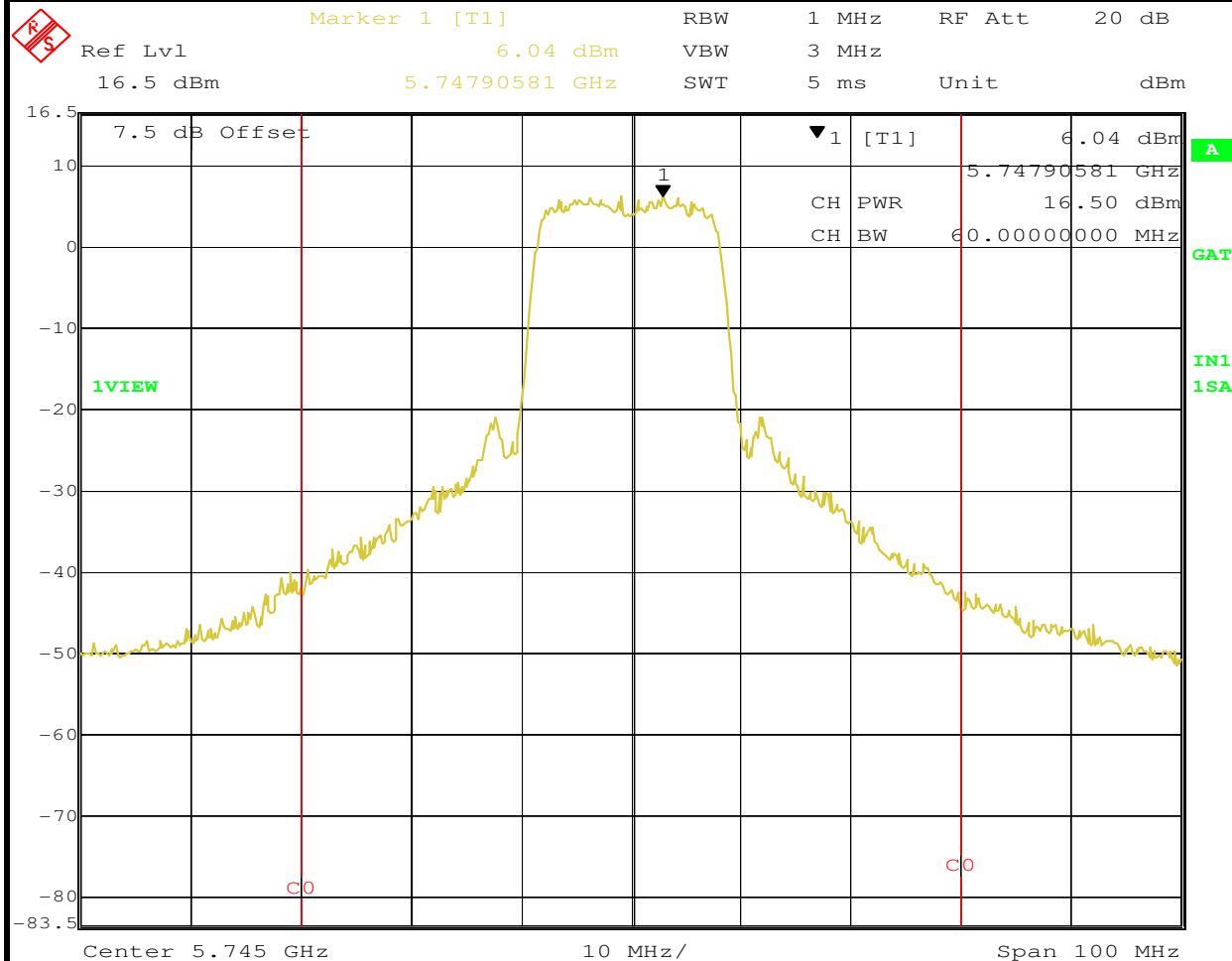
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### Run #1: Output Power

Power Setting <sup>2</sup>	Frequency (MHz)	Output Power		Antenna Gain (dBi)	Result	EIRP <sup>Note 2</sup>		Output Power	
		(dBm) <sup>1</sup>	mW			dBm	W	(dBm) <sup>3</sup>	mW
	5745	16.5	44.7	3.7	Pass	20.2	0.105		
	5785	16.4	43.7	3.7	Pass	20.1	0.102		
	5825	16.1	40.7	3.7	Pass	19.8	0.095		

Note 1: RBW=1MHz, VB=3 MHz, sample detector, power averaging on (transmitted signal was not continuous but the ESI analyzer was configured with a gated sweep such that the analyzer was only sweeping when the device was transmitting) and power integration over 100 MHz

Note 2: Power setting - the software power setting used during testing, included for reference only.

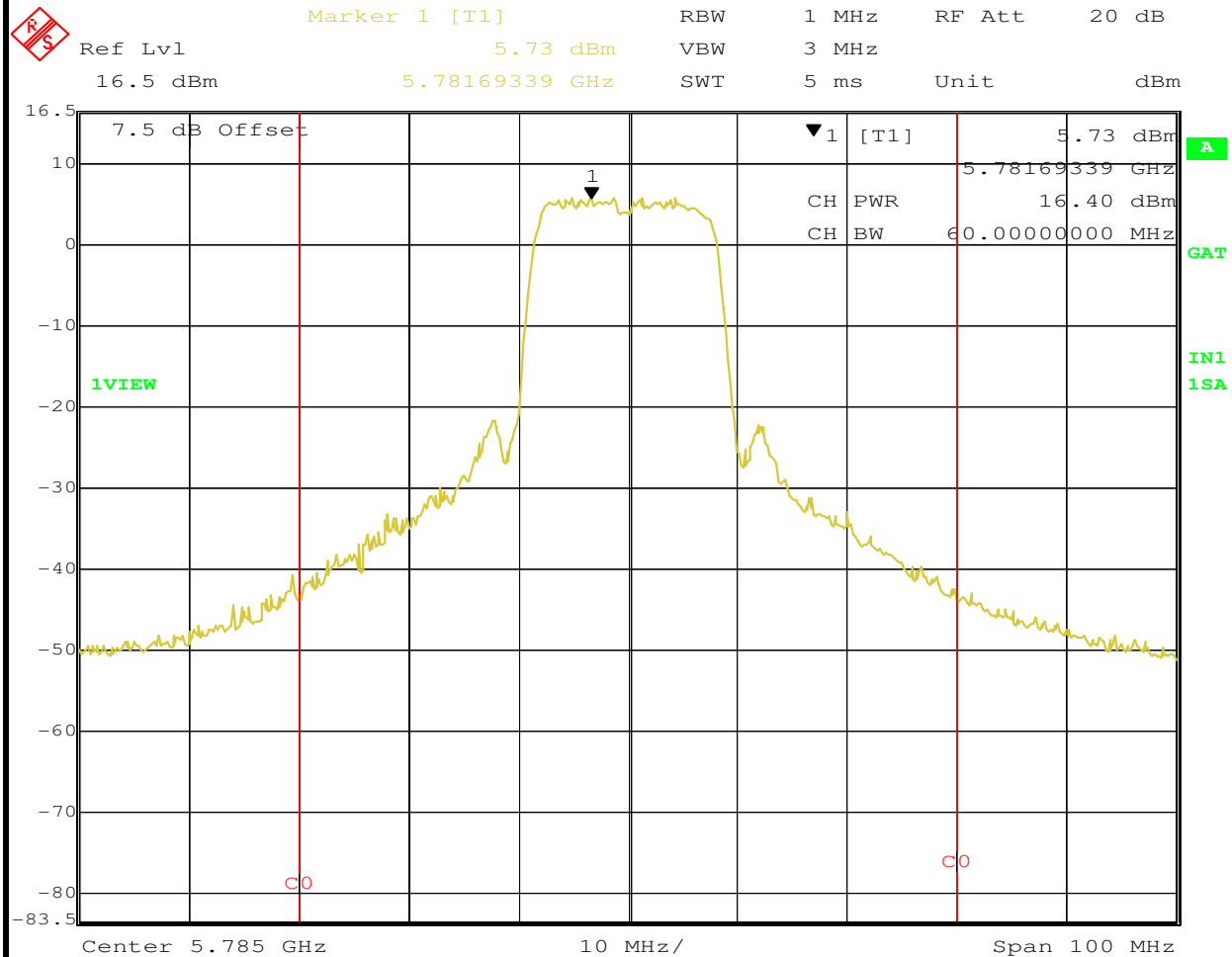


Date: 19.AUG.2007 19:16:55



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

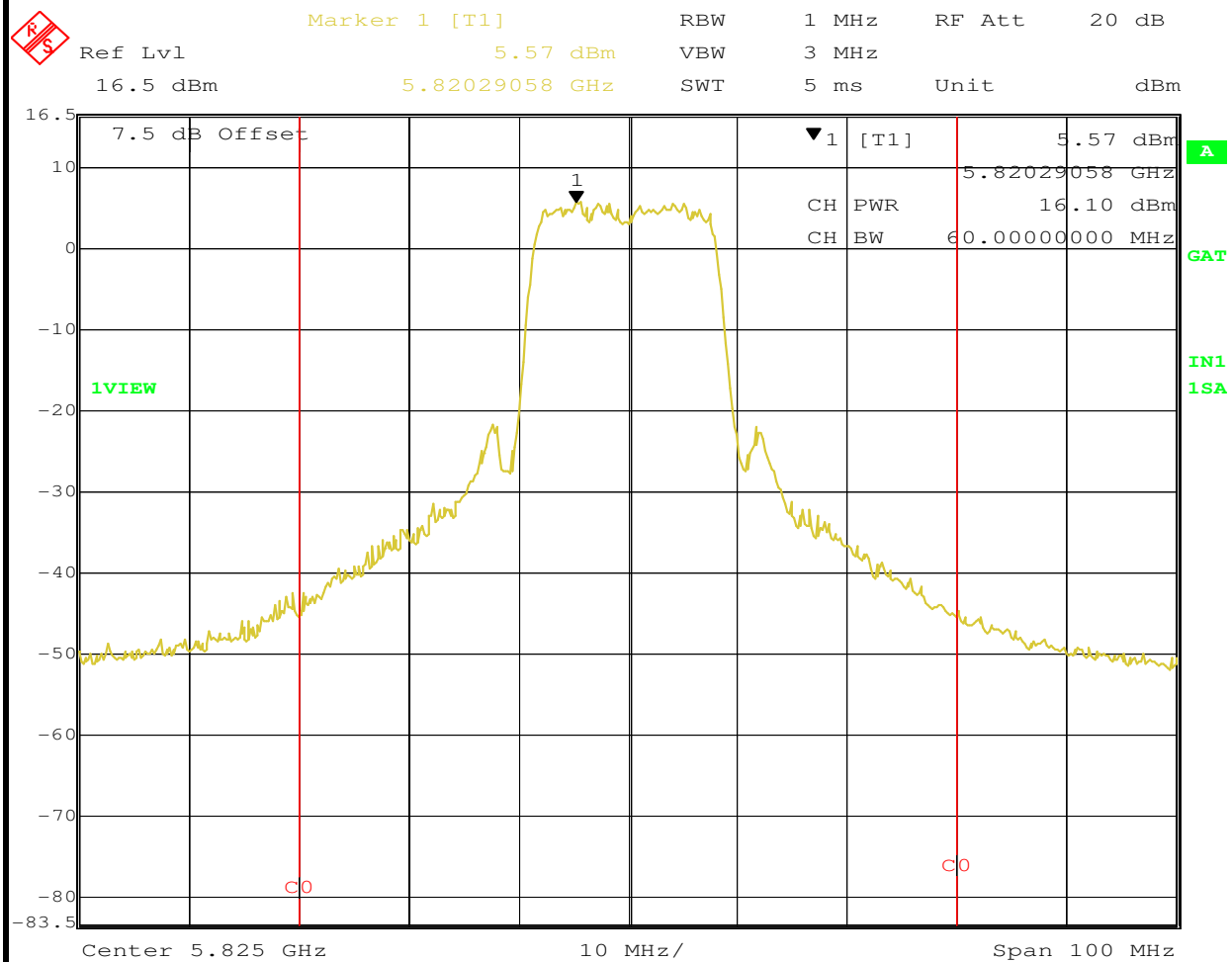


Date: 19.AUG.2007 19:42:15



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A



Date: 19.AUG.2007 19:46:53



## EMC Test Data

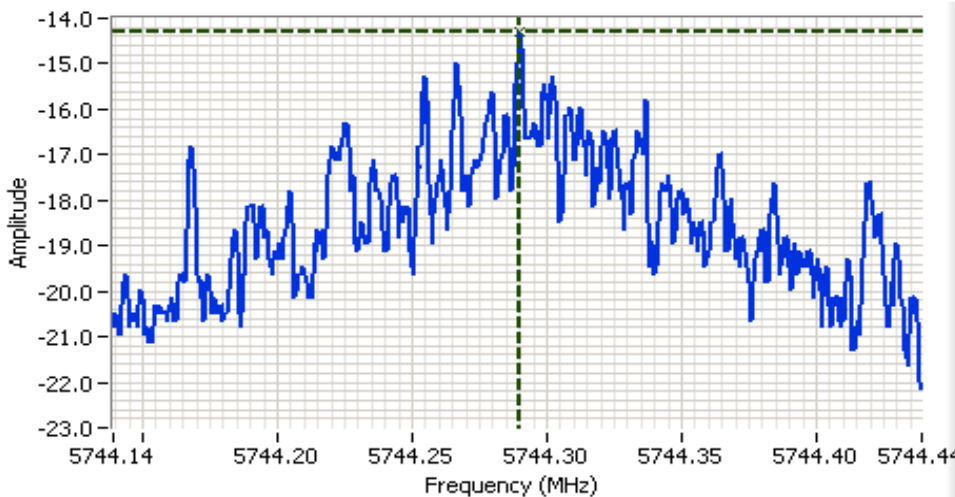
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### Run #2: Power spectral Density

Power Setting	Frequency (MHz)	PSD	Limit dBm/3kHz	Result
		(dBm/3kHz) <sup>Note 1</sup>		
	5744.29	-14.3	8.0	Pass
	5786.818	-15.5	8.0	Pass
	5826.817	-7.1	8.0	Pass

Note 1:

Power spectral density measured using RB=3 kHz, VB=10kHz, analyzer with peak detector and with a sweep time set to ensure a dwell time of at least 1 second per 3kHz. The measurement is made at the frequency of PPSPD determined from preliminary scans using RB=3kHz using multiple sweeps at a faster rate over the 6dB bandwidth of the signal.



#### Analyzer Settings

HP8564E  
CF: 5744.29 MHz  
SPAN: 300 kHz  
RB 3 kHz  
VB 10 kHz  
Detector POS  
Att 10  
RL Offset 11.00  
Sweep Time 100.0s  
Ref Lvl: 5.20 DBM

#### Comments

Legacy at 5745MHz  
PSD  
Main

Cursor 1 5744.29 -14.30

0.000

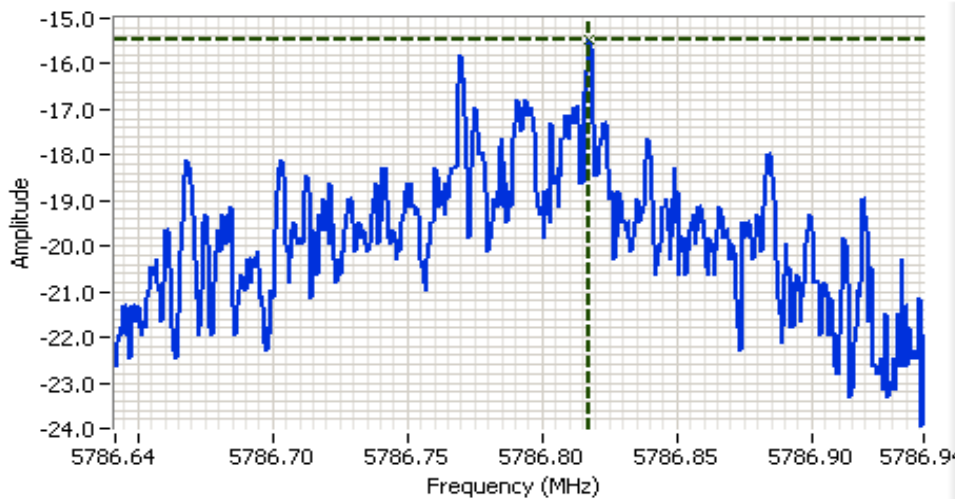
0.00





## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A



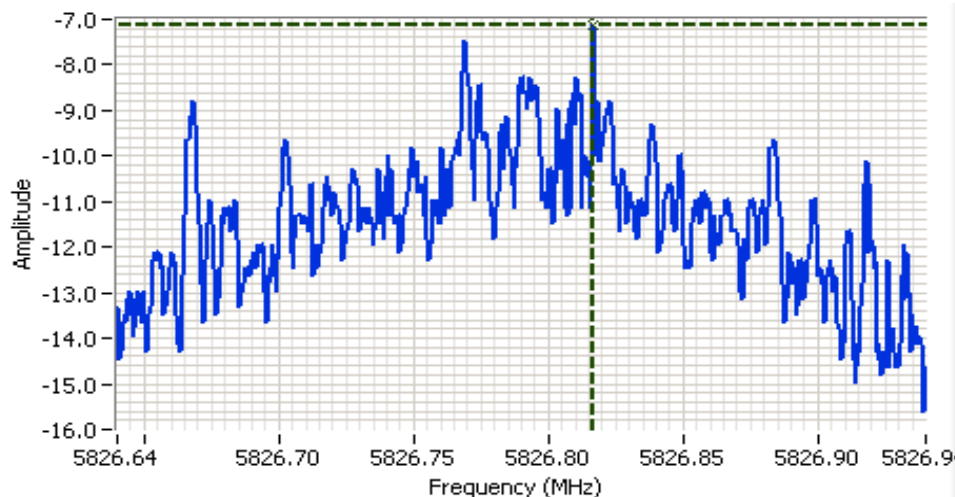
### Analyzer Settings

HP8564E  
CF: 5786.79 MHz  
SPAN:300 kHz  
RB 3 kHz  
VB 10 kHz  
Detector POS  
Att 10  
RL Offset 11.00  
Sweep Time 100.0s  
Ref Lvl:4.70DBM

### Comments

Legacy at 5785MHz  
PSD  
Main

Cursor 1 5786.81 -15.47  
0.000 0.00



### Analyzer Settings

HP8564E  
CF: 5826.79 MHz  
SPAN:300 kHz  
RB 3 kHz  
VB 10 kHz  
Detector POS  
Att 10  
RL Offset 11.00  
Sweep Time 100.0s  
Ref Lvl:5.20DBM

### Comments

Legacy at 5825MHz  
PSD  
Main

Cursor 1 5826.81 -7.13  
0.000 0.00



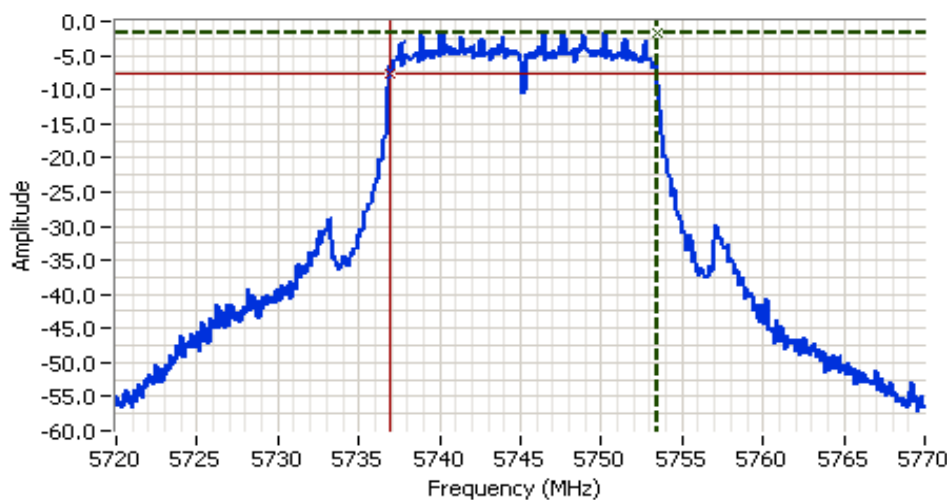
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### Run #3: Signal Bandwidth

Power Setting	Frequency (MHz)	Resolution Bandwidth	Bandwidth (MHz)	
			6dB	99%
	5745	100kHz	16.5	17.0
	5785	100kHz	16.4	17.0
	5825	100kHz	16.3	17.0

Note 1: 99% bandwidth measured in accordance with RSS GEN, with RB > 1% of the span and VB > 3xRB

### 5745 MHz, 6dB BW





#### Analyzer Settings

HP8564E  
CF: 5745.00 MHz  
SPAN:50.00 MHz  
RB 100 kHz  
VB 100 kHz  
Detector POS  
Att 10  
RL Offset 11.00  
Sweep Time 50.0ms  
Ref Lvl:5.20DBM

#### Comments

Legacy at 5745MHz  
6dB Bandwidth  
Main

Cursor 1	5753.41	-1.63	
Cursor 2	5736.91	-7.63	

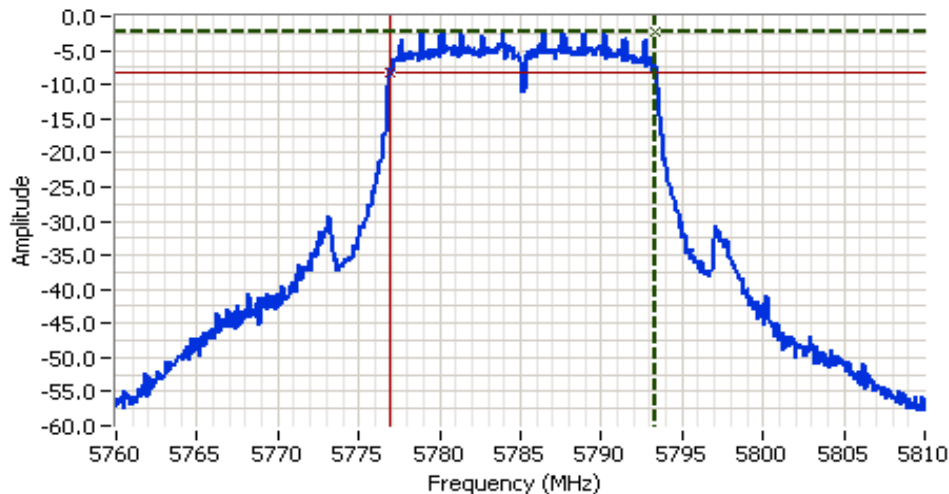
Delta Freq. 16.50  
Delta Amplitude 6.00



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5785 MHz, 6dB BW



#### Analyzer Settings

HP8564E  
CF: 5785.00 MHz  
SPAN:50.00 MHz  
RB 100 kHz  
VB 100 kHz  
Detector POS  
Att 10  
RL Offset 11.00  
Sweep Time 50.0ms  
Ref Lvl:5.20DBM

#### Comments

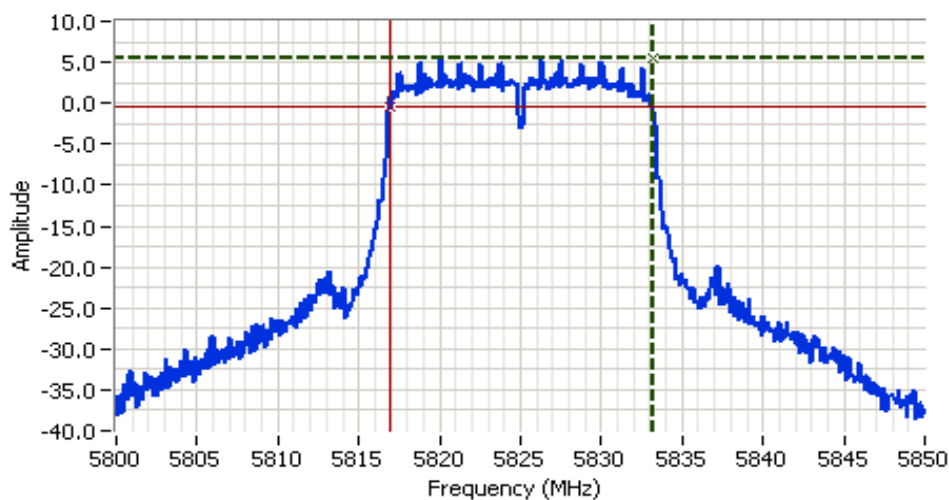
Legacy at 5785MHz  
6dB Bandwidth  
Main

Cursor 1 5793.33; -2.13  
Cursor 2 5776.91; -8.13

Delta Freq. 16.42  
Delta Amplitude 6.00



### 5825 MHz, 6dB BW



#### Analyzer Settings

HP8564E  
CF: 5825.00 MHz  
SPAN:50.00 MHz  
RB 100 kHz  
VB 100 kHz  
Detector POS  
Att 10  
RL Offset 11.00  
Sweep Time 50.0ms  
Ref Lvl:5.20DBM

#### Comments

Legacy at 5825MHz  
6dB Bandwidth  
Main

Cursor 1 5833.16; 5.53  
Cursor 2 5816.91; -0.47

Delta Freq. 16.25  
Delta Amplitude 6.00



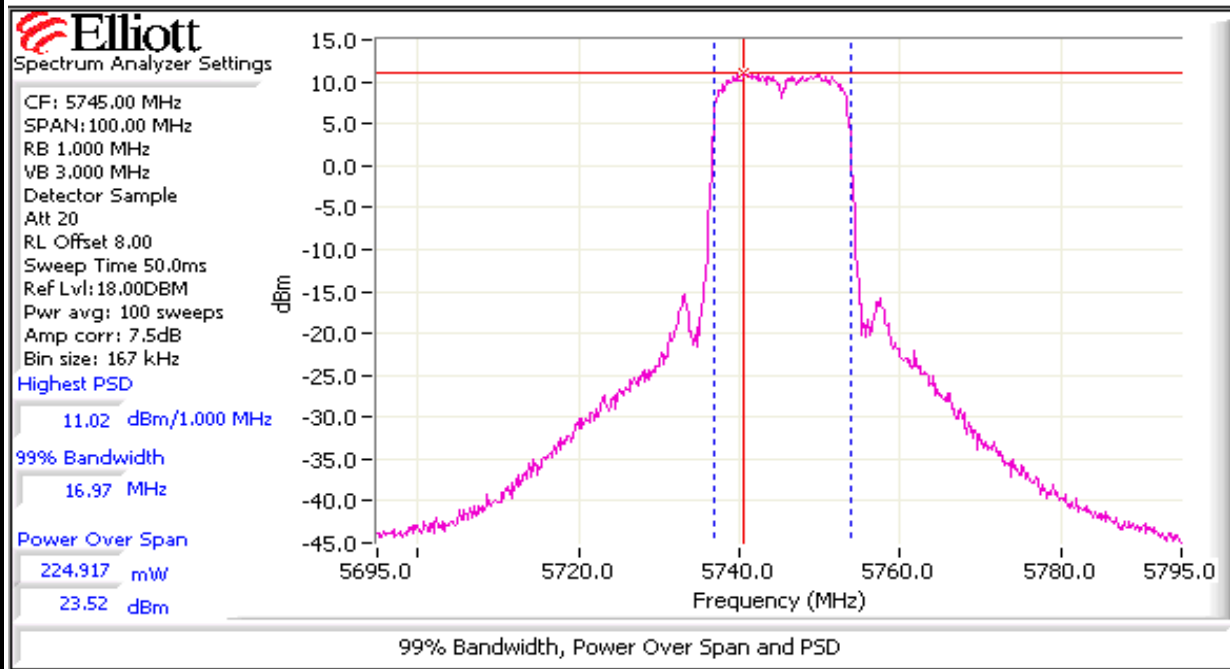




## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5745 MHz, 99% BW

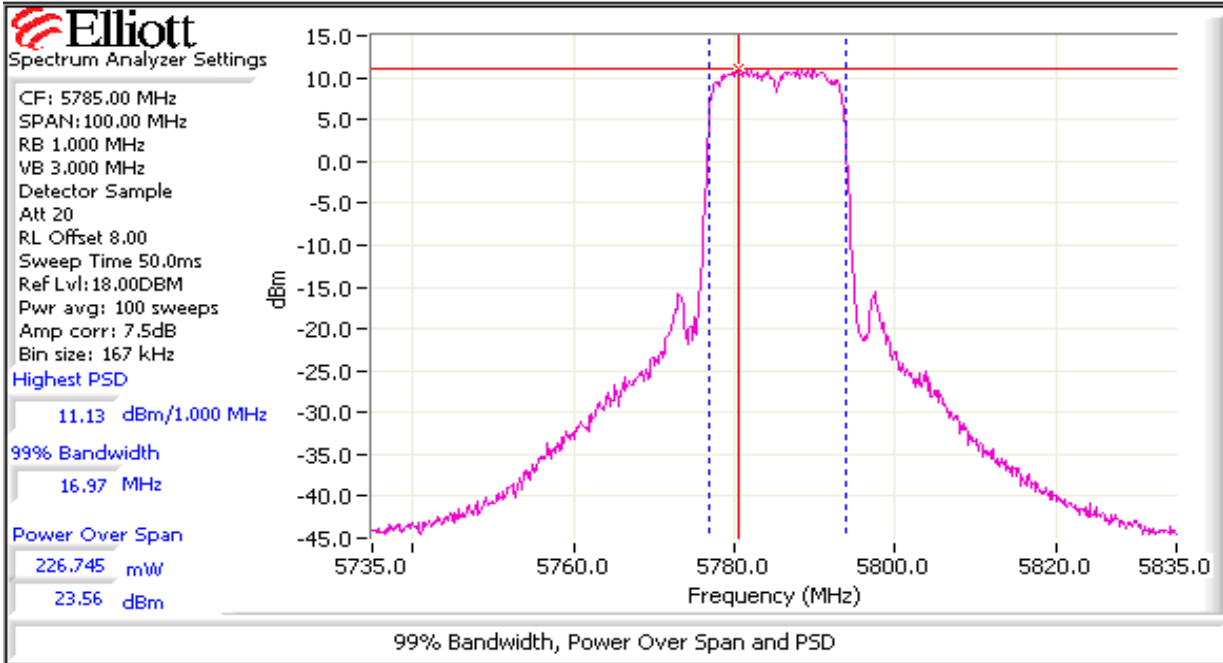




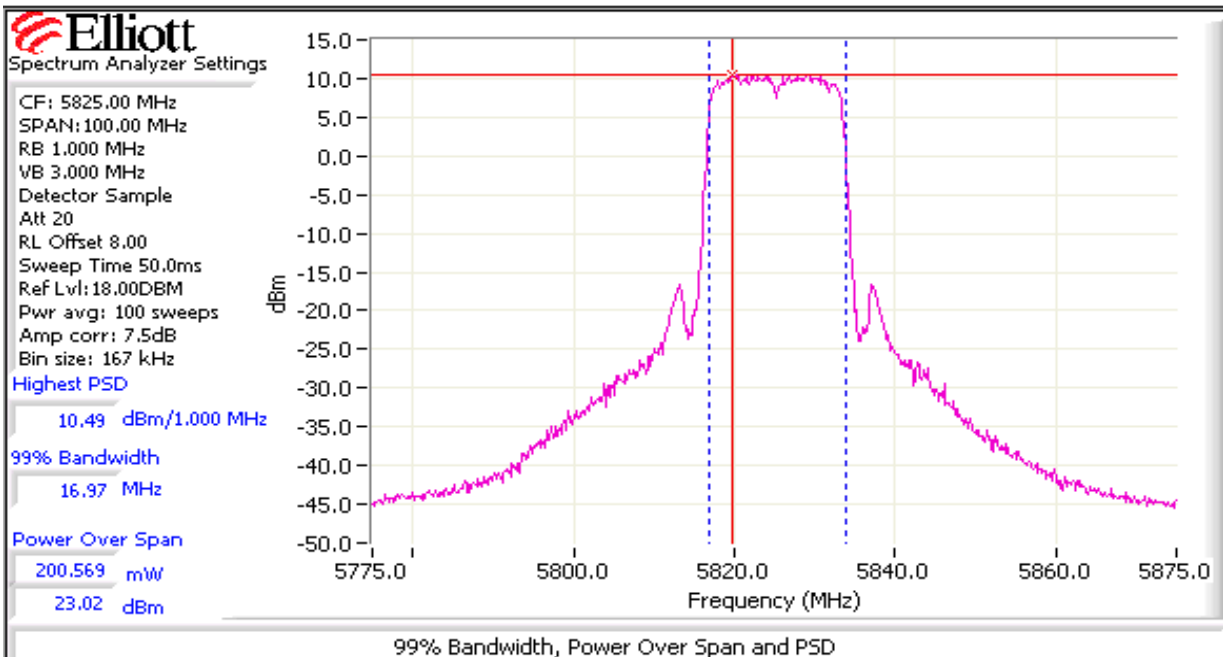
## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5785 MHz, 99% BW



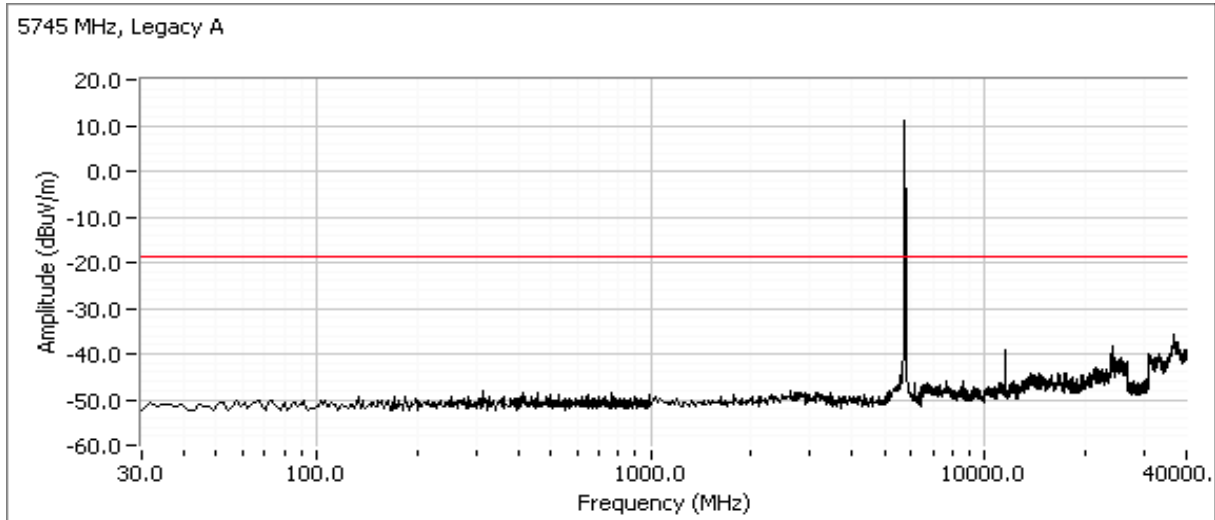
### 5825 MHz, 99% BW



Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

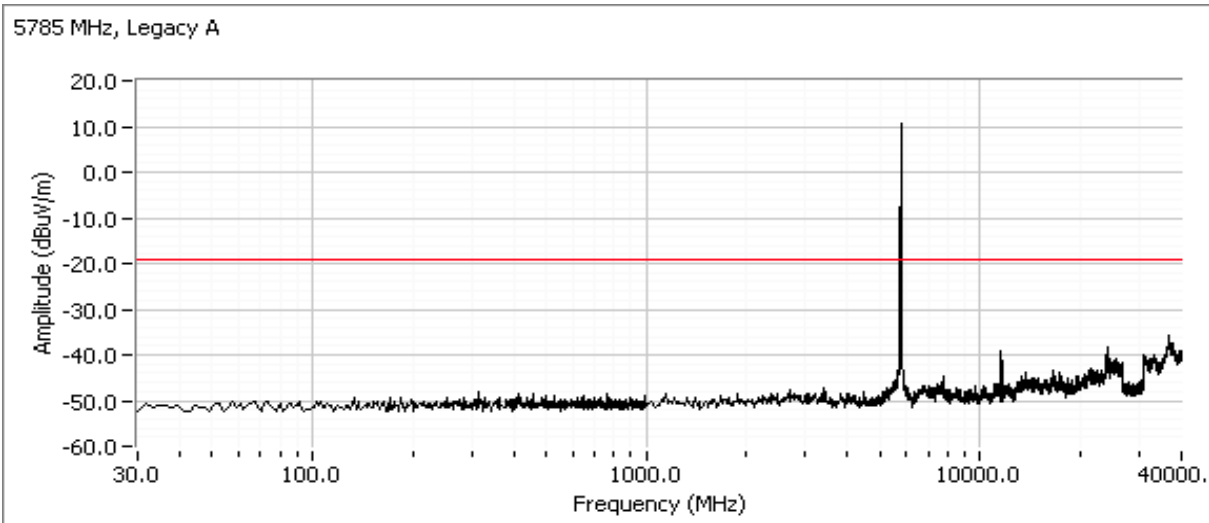
**Run #4: Out of Band Spurious Emissions**

Frequency (MHz)	Limit	Result
5745	-30dBc	>30 dBc
5785	-30dBc	>30 dBc
5825	-30dBc	>30 dBc

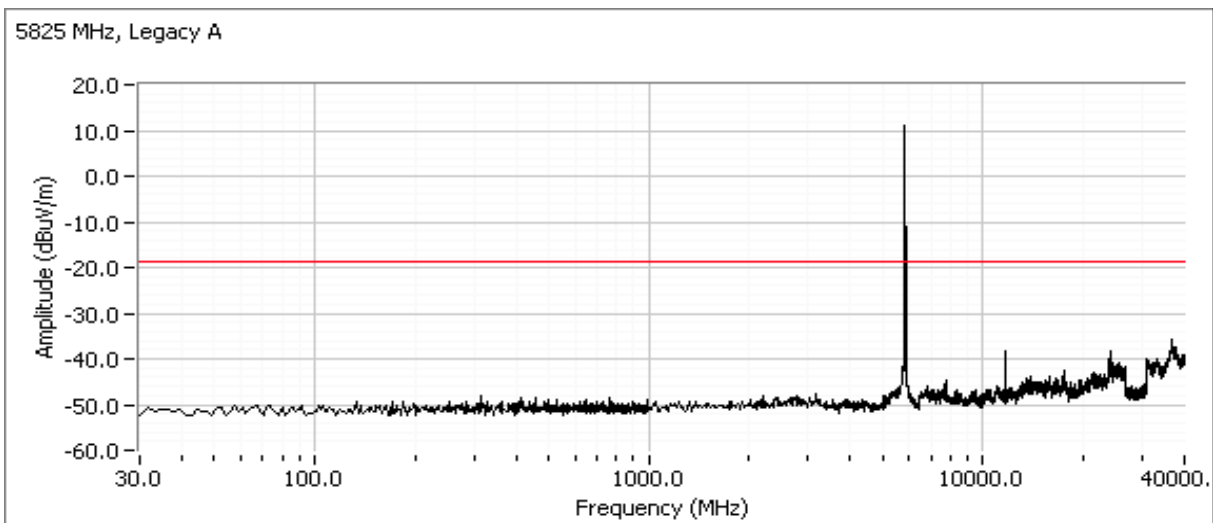
Plots for low channel


Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

Plots for center channel



Plots for high channel





## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

### RSS 210 and FCC 15.247 Radiated Spurious Emissions

#### Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 8/24/2007  
Test Engineer: Rafael Varelas  
Test Location: Fremont Chamber #4

Config. Used: 1  
Config Change: None  
EUT Voltage: 120V/60Hz

#### General Test Configuration

The EUT and all local support equipment were located on the turntable for radiated spurious emissions testing.

For radiated emissions testing the measurement antenna was located 3 meters from the EUT.

**Ambient Conditions:** Temperature: 22.9 °C  
Rel. Humidity: 45 %

#### Summary of Results

Run #	Test Performed	Limit	Pass / Fail	Result / Margin
1 (40MHz CDD Mode)	RE, 30 - 18000 MHz - Spurious Emissions	FCC Part 15.209 / 15.247( c)	Pass	51.4dBµV/m (371.5µV/m) @ 1649.9MHz (-2.6dB)

#### Modifications Made During Testing

No modifications were made to the EUT during testing

#### Deviations From The Standard

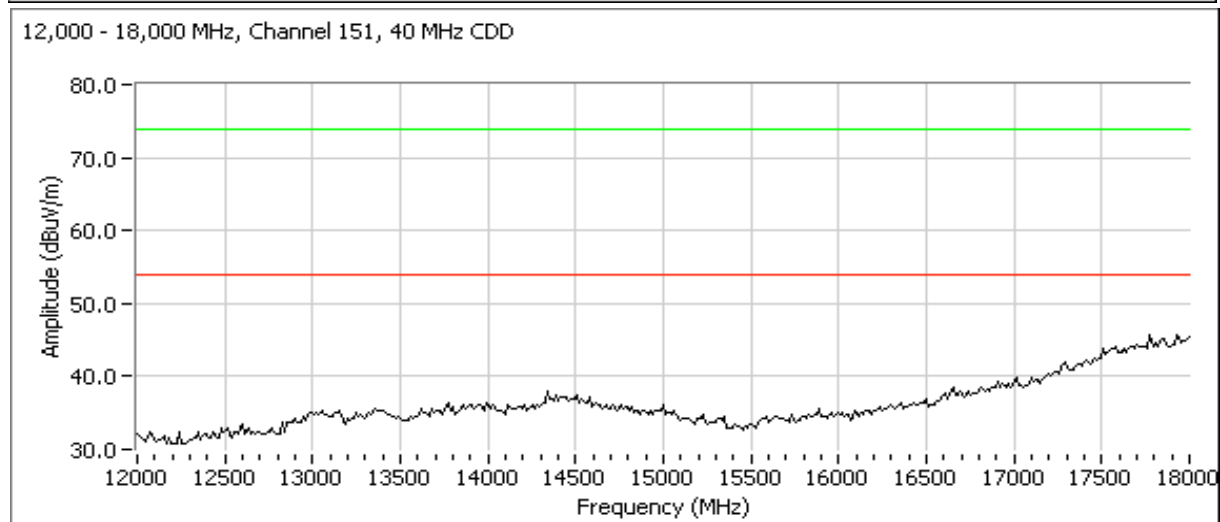
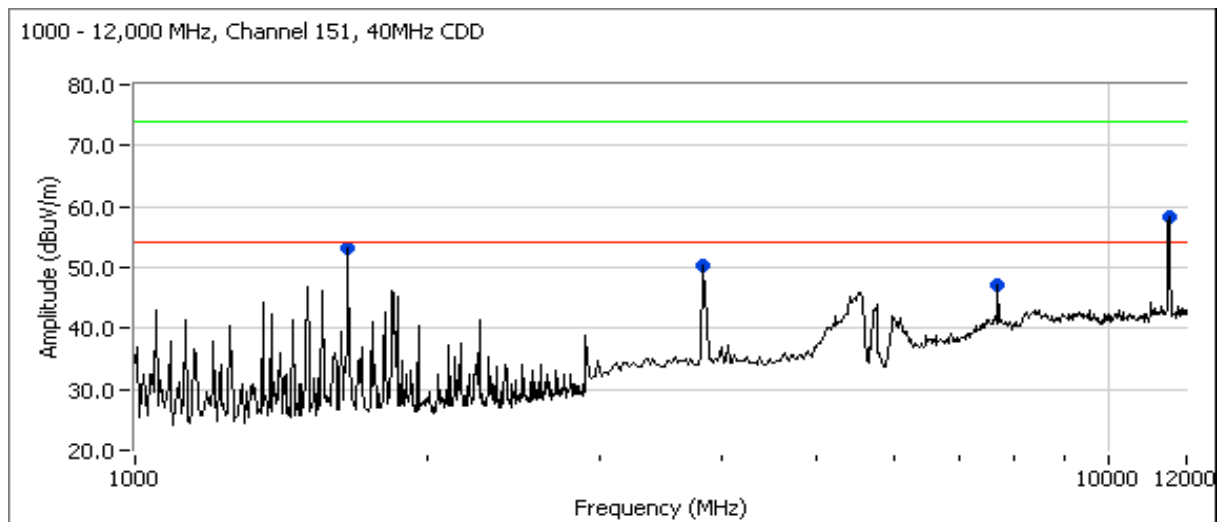
No deviations were made from the requirements of the standard.

Note: Preliminary testing showed no radio related emissions below 1 GHz, and no emissions above 18 GHz.

Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: Radio

**Run #1: Radiated Spurious Emissions, 1000 - 18000 MHz.**

Frequency Range	Test Distance	Limit Distance	Extrapolation Factor
1000-12000	3	3	0.0
12000-18000	1	3	-9.5

**Run #1a: Low Channel @ 5755 MHz**


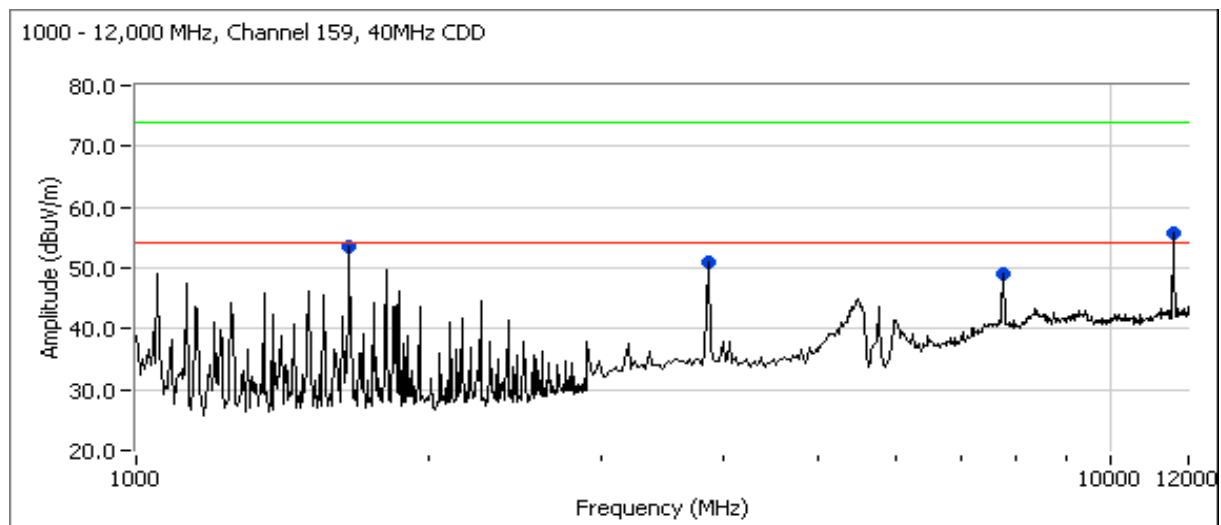
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

**Run #1a: Continued**

Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dB $\mu$ V/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
1649.900	51.0	V	54.0	-3.0	AVG	16	1.0	
3832.750	50.4	V	54.0	-3.6	Peak	337	2.0	
11511.290	49.4	V	54.0	-4.6	AVG	324	1.5	Non-restricted
7677.500	47.2	V	54.0	-6.8	Peak	70	1.0	
11511.290	61.6	V	74.0	-12.4	PK	324	1.5	
1649.900	52.9	V	74.0	-21.1	PK	16	1.0	

Note 1: For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental and measured in 100kHz.

Note 2: Signal is not in a restricted band but the more stringent restricted band limit was used.

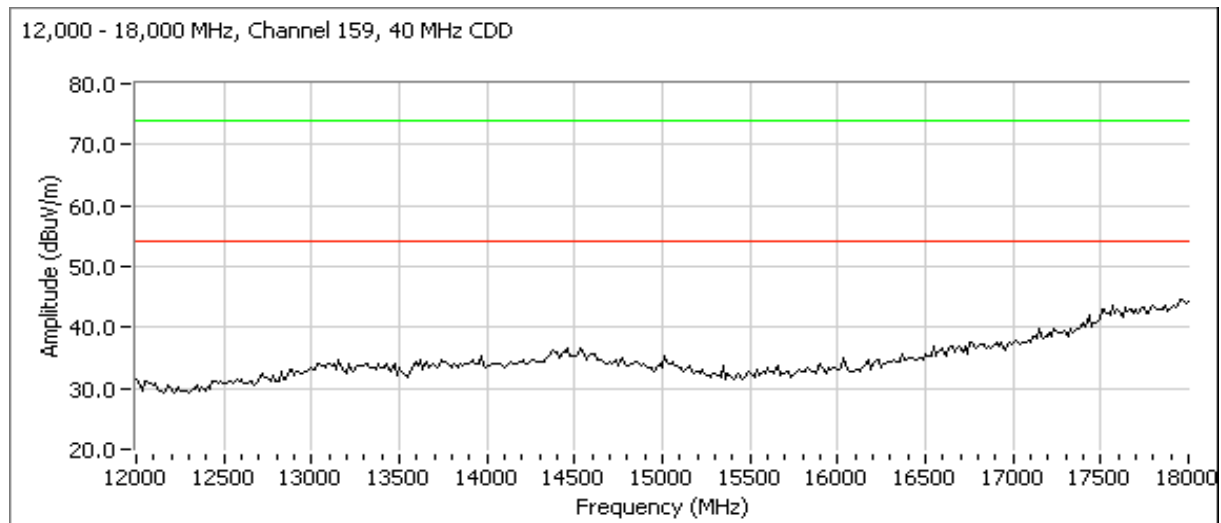
**Run #1b: High Channel @ 5795 MHz**




## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

### Run #1b: Continued



Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBuV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
1649.940	51.4	V	54.0	-2.6	AVG	85	1.0	Non-restricted
3855.500	51.1	H	54.0	-2.9	Peak	360	2.0	
7745.750	49.0	V	54.0	-5.0	Peak	242	1.5	
11589.160	47.5	V	54.0	-6.5	AVG	35	1.0	
11589.160	60.1	V	74.0	-13.9	PK	35	1.0	
1649.940	55.5	V	74.0	-18.5	PK	85	1.0	

Note 1: For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental and measured in 100kHz.

Note 2: Signal is not in a restricted band but the more stringent restricted band limit was used.





## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### RSS 210 and FCC 15.247 (DTS) Antenna Port Measurements MIMO and Smart Antenna Systems Power, Bandwidth and Spurious Emissions

#### Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 8/19/2007 23:38  
Test Engineer: Rafael Varelas  
Test Location: FT Chamber #4

Config. Used: 1  
Config Change: None  
EUT Voltage: 120V/60Hz

#### General Test Configuration

The EUT was connected to the spectrum analyzer or power meter via a suitable attenuator. All measurements were made on a single chain.

All measurements have been corrected to allow for the external attenuators used.

**Ambient Conditions:**  
Temperature: 22.1 °C  
Rel. Humidity: 43 %

#### Summary of Results

Run #	Test Performed	Limit	Pass / Fail	Result / Margin
1	Output Power	15.247(b)	Pass	18.1 dBm
2	Power spectral Density (PSD)	15.247(d)	Pass	-9.1 dBm/3kHz
3	6dB Bandwidth	15.247(a)	Pass	36.4 MHz
3	99% Bandwidth	RSS GEN	-	36.6 MHz
4	Spurious emissions	15.247(b)	Pass	>30 dBc

#### Modifications Made During Testing

No modifications were made to the EUT during testing

#### Deviations From The Standard

No deviations were made from the requirements of the standard.



# EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

## Run #1: Output Power

Transmitted signal on chain is coherent ? yes

### Regulatory Power Measurements:

Power Setting <sup>4</sup>	Frequency (MHz)	Output Power (dBm) <sup>Note 1</sup>			Antenna Gain (dBi) <sup>Note 3</sup>			EIRP <sup>Note 2</sup>	
		Chain 1	Chain 2	Total	Chain 1	Chain 2	Total	dBm	W
	5755	15.1	15.2	18.1	3.7	3.7	6.7	24.9	0.306
	5795	15.2	15.0	18.1	3.7	3.7	6.7	24.8	0.302

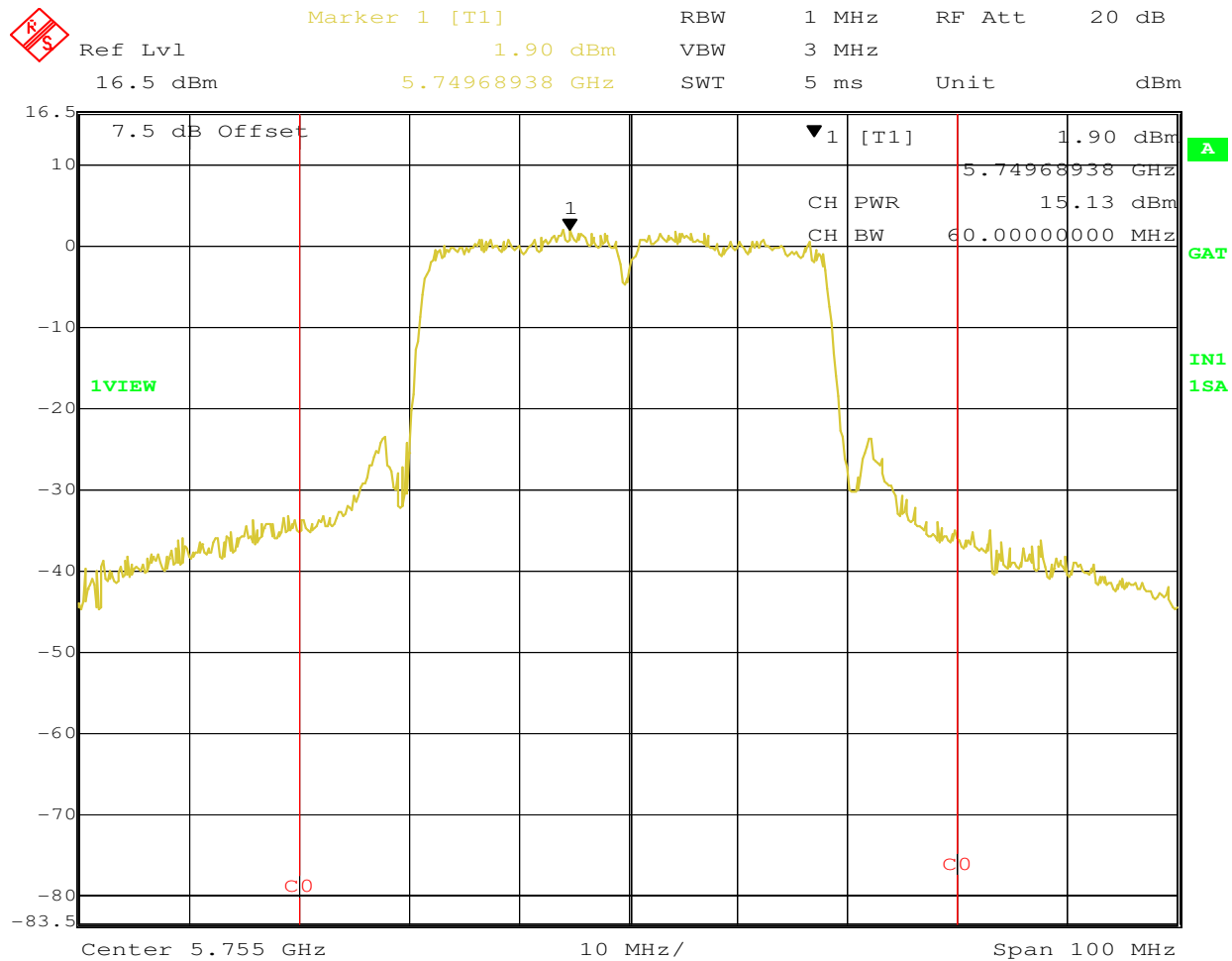
Note 1:	Output power measured using a spectrum analyzer (see plots below): RBW=1MHz, VB=3 MHz, sample detector, power averaging on (transmitted signal was not continuous but the ESI analyzer was configured with a gated sweep such that the analyzer was only sweeping when the device was transmitting) and power integration over 100 MHz
Note 2:	EIRP - if transmit chains are coherent then the EIRP is calculated from the sum of the antenna gains plus the total power (i.e. beam-forming is assumed because of coherency on the chains). If the individual chains are incoherent then the EIRP is calculated from the sum of the individual EIRPs for each chain.
Note 3:	If the transmit chains are coherent then the total system antenna gain is the sum of the numeric gains for each antenna. If the transmit chains are incoherent then the system antenna gain is not applicable as each transmit chain can be treated independently.
Note 4:	Power setting - if a single number the same power setting was used for each chain. If multiple numbers the power setting for each chain is separated by a comma (e.g. x,y would indicate power setting x for chain 1, power setting y for chain 2.



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5755 MHz, Power Plot, Chain 1



Date: 19.AUG.2007 23:04:34



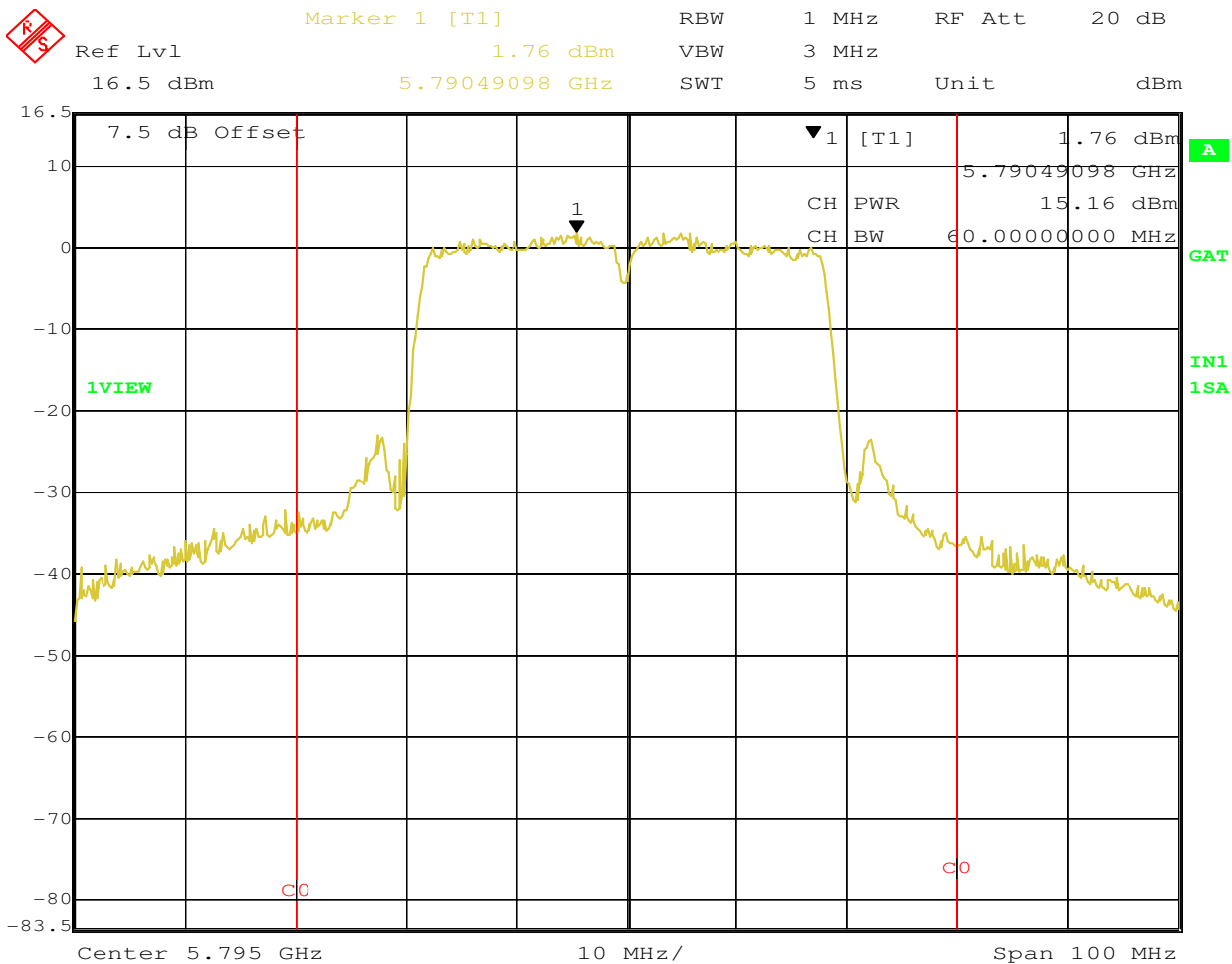
Date: 19.AUG.2007 23:08:29



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5795 MHz, Power Plot, Chain 1

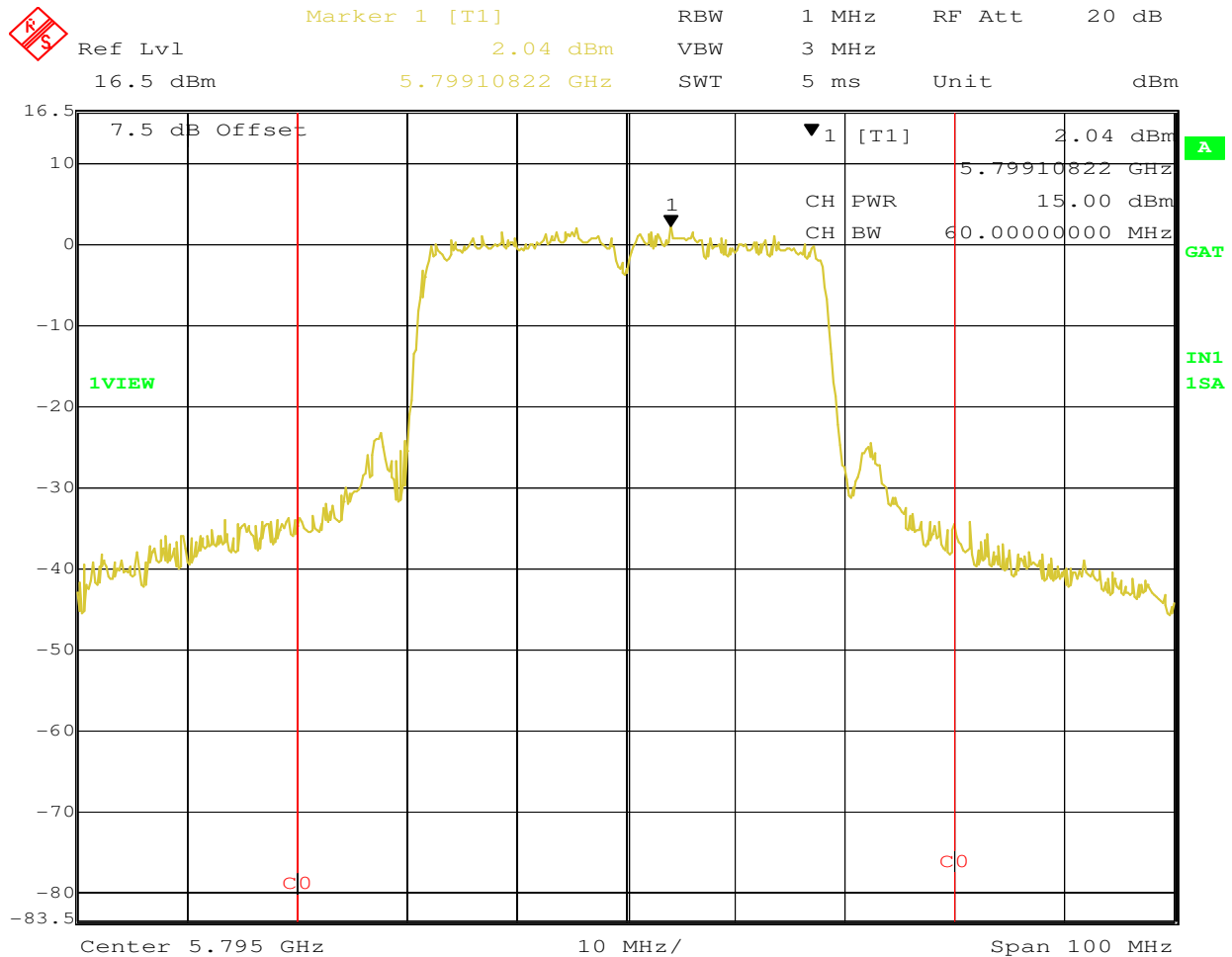




## EMC Test Data

Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

### 5795 MHz, Power Plot, Chain 2



Date: 19.AUG.2007 23:20:49



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

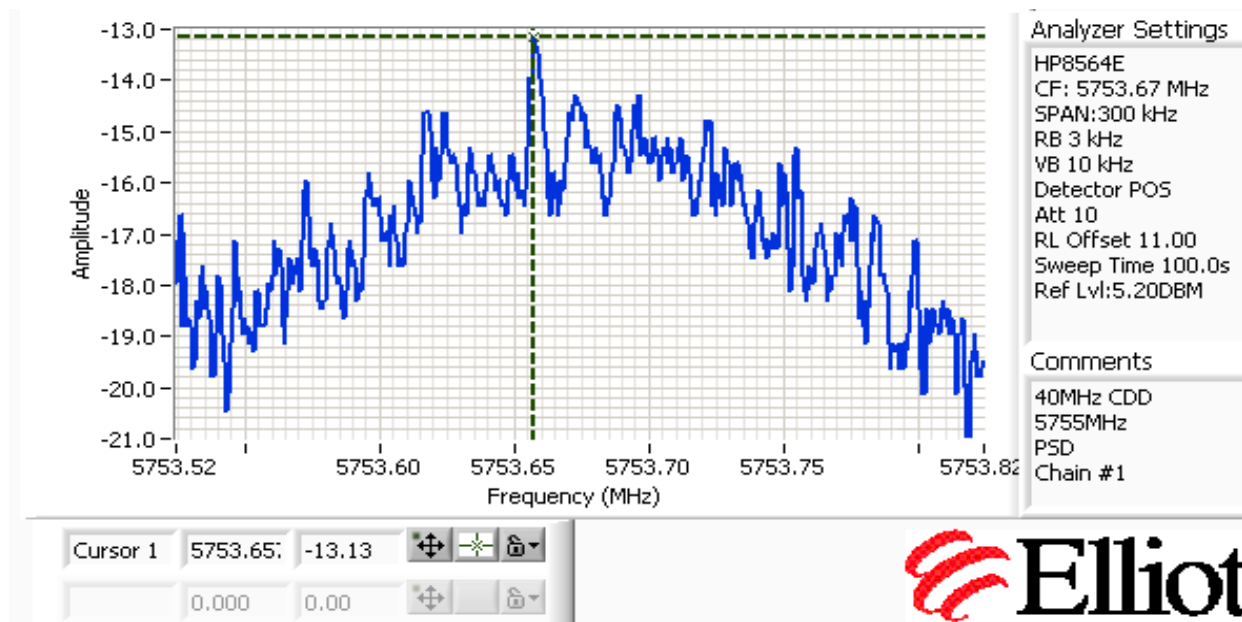
### Run #2: Power spectral Density

Power Setting	Frequency (MHz)	PSD (dBm/3kHz) <sup>Note 1</sup>			Limit dBm/3kHz	Result
		Chain 1	Chain 2	Total		
	5753.652	-13.1	-13.5	-10.3	8.0	Pass
	5798.990	-12.0	-12.3	-9.1	8.0	Pass

Note 1:

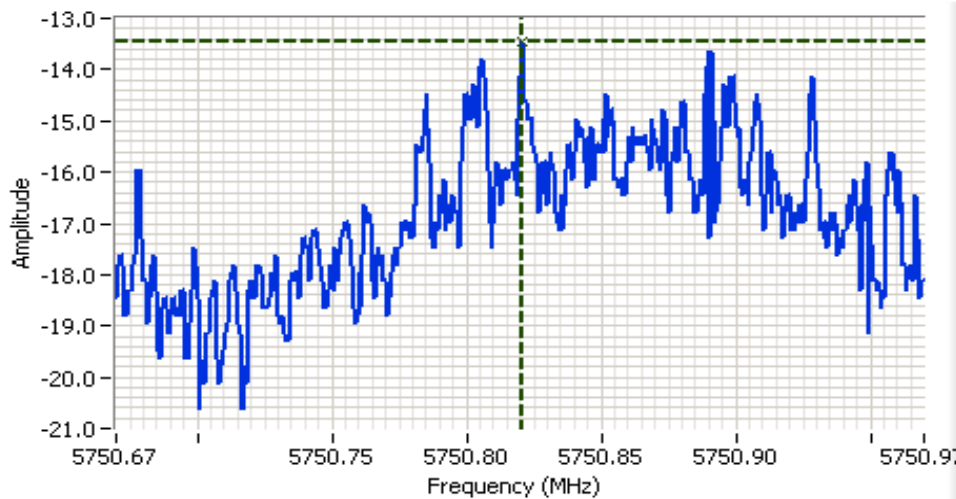
Power spectral density measured using RB=3 kHz, VB=10kHz, analyzer with peak detector and with a sweep time set to ensure a dwell time of at least 1 second per 3kHz. The measurement is made at the frequency of PPSD determined from preliminary scans using RB=3kHz using multiple sweeps at a faster rate over the 6dB bandwidth of the signal.

5755 MHz, PSD Plot, Chain 1



Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5755 MHz, PSD Plot, Chain 2



Analyzer Settings

HP8564E  
 CF: 5750.82 MHz  
 SPAN:300 kHz  
 RB 3 kHz  
 VB 10 kHz  
 Detector POS  
 Att 10  
 RL Offset 11.00  
 Sweep Time 100.0s  
 Ref Lvl:5.20DBM

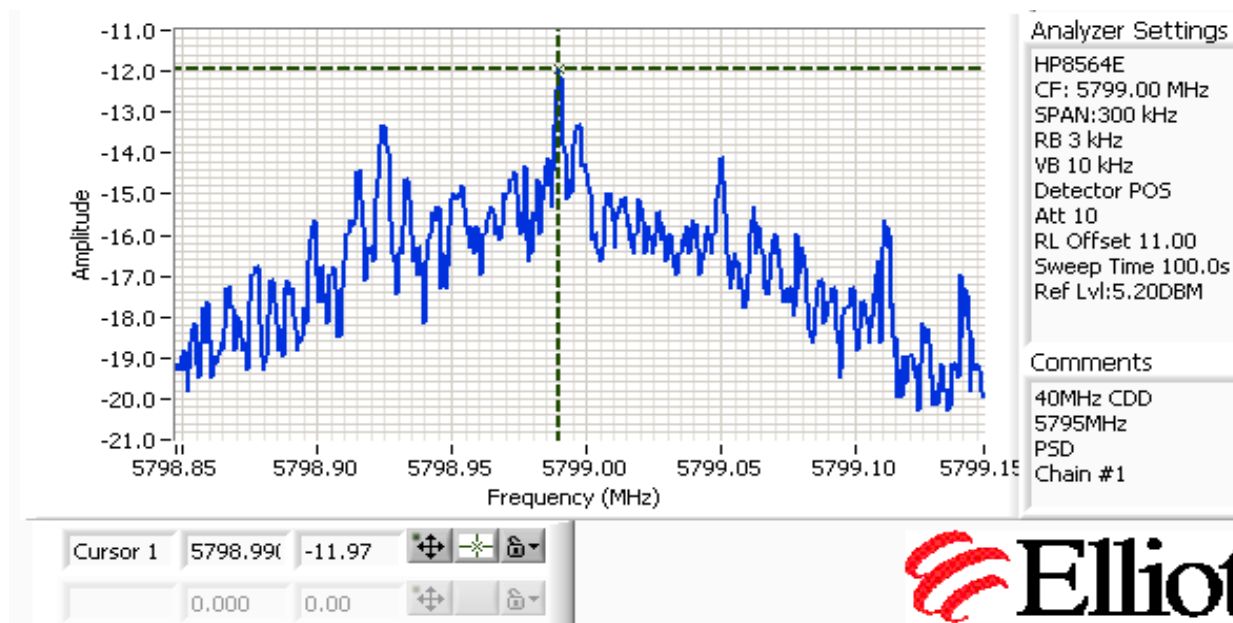
Comments

40MHz CDD  
 5755MHz  
 PSD  
 Chain #2

Cursor 1 5750.82: -13.47  
 0.000 0.00

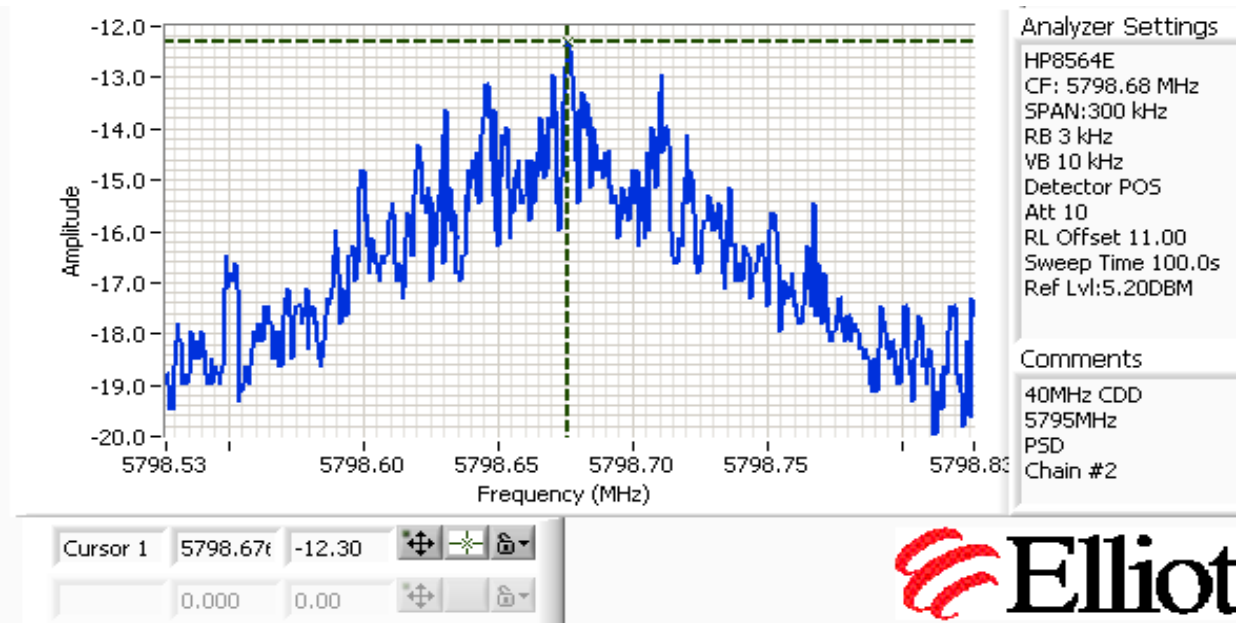


Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**5795 MHz, PSD Plot, Chain 1**


Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5795 MHz, PSD Plot, Chain 2



Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**Run #3: Signal Bandwidth**

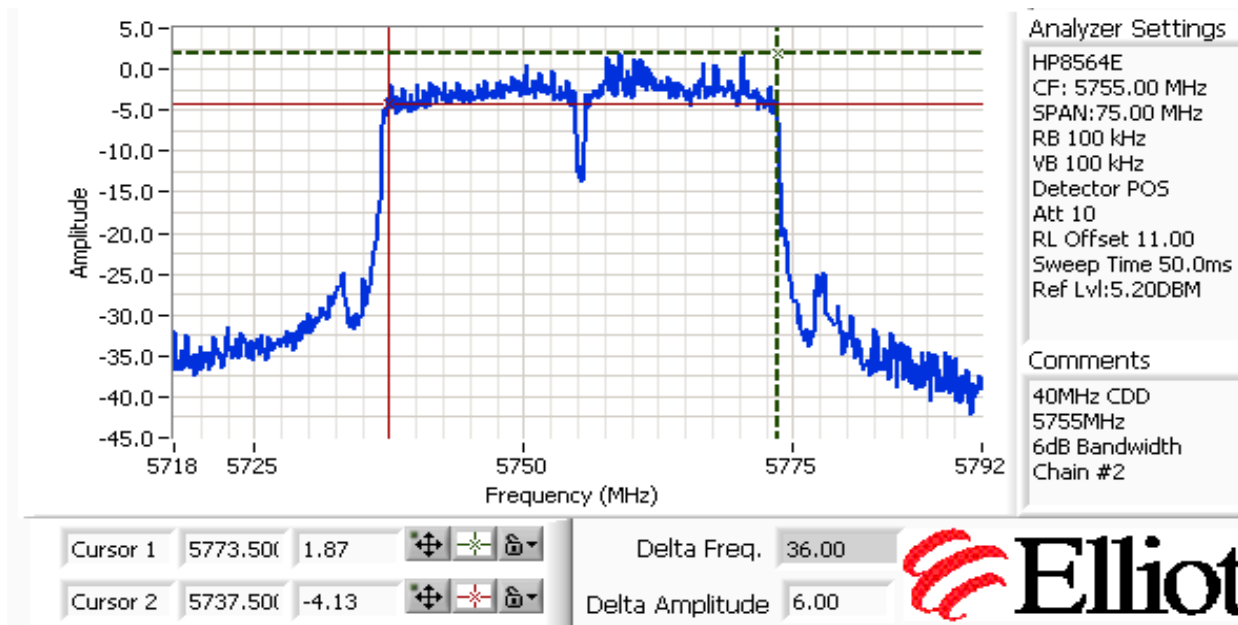
Power Setting	Frequency (MHz)	Resolution Bandwidth	Bandwidth (MHz)	
			6dB	99%
	5755	100kHz	36.6	36.6
	5795	100kHz	36.4	36.6

Note 1: Measured on a single chain

Note 2: 99% bandwidth measured in accordance with RSS GEN, with RB > 1% of the span and VB > 3xRB

**5755 MHz, 6 Bandwidth Plot, Chain 1**


Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**5755 MHz, 6 Bandwidth Plot, Chain 2**


Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5795 MHz, 6 Bandwidth Plot, Chain 1

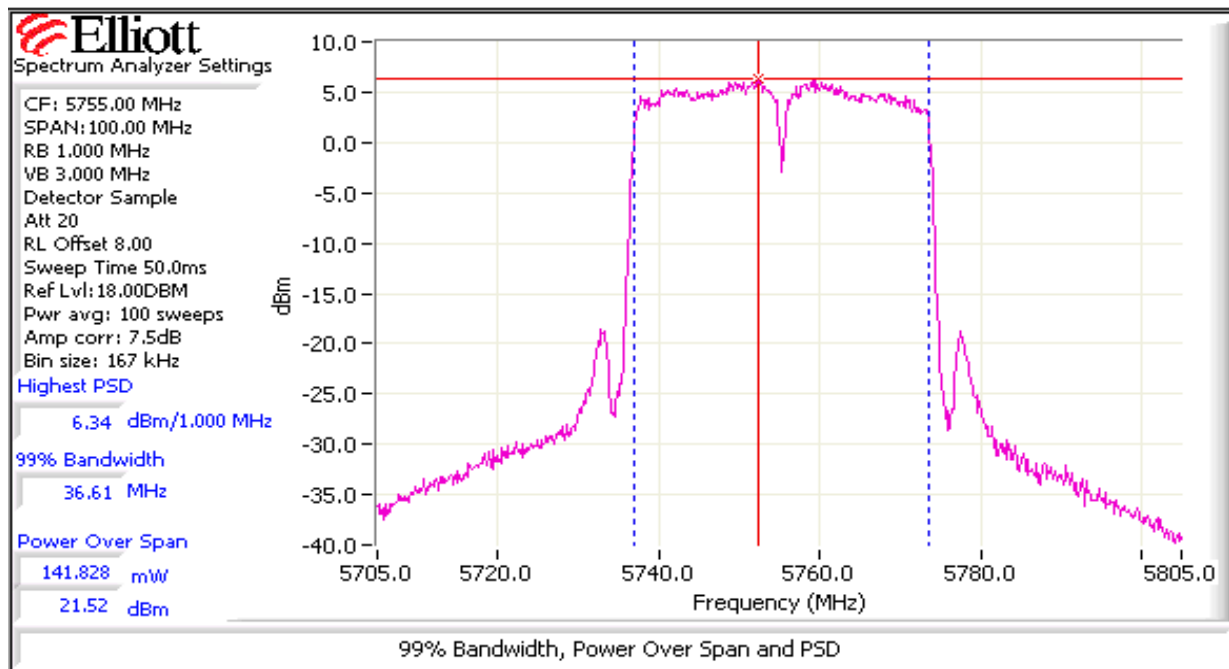


Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**5795 MHz, 6 Bandwidth Plot, Chain 2**

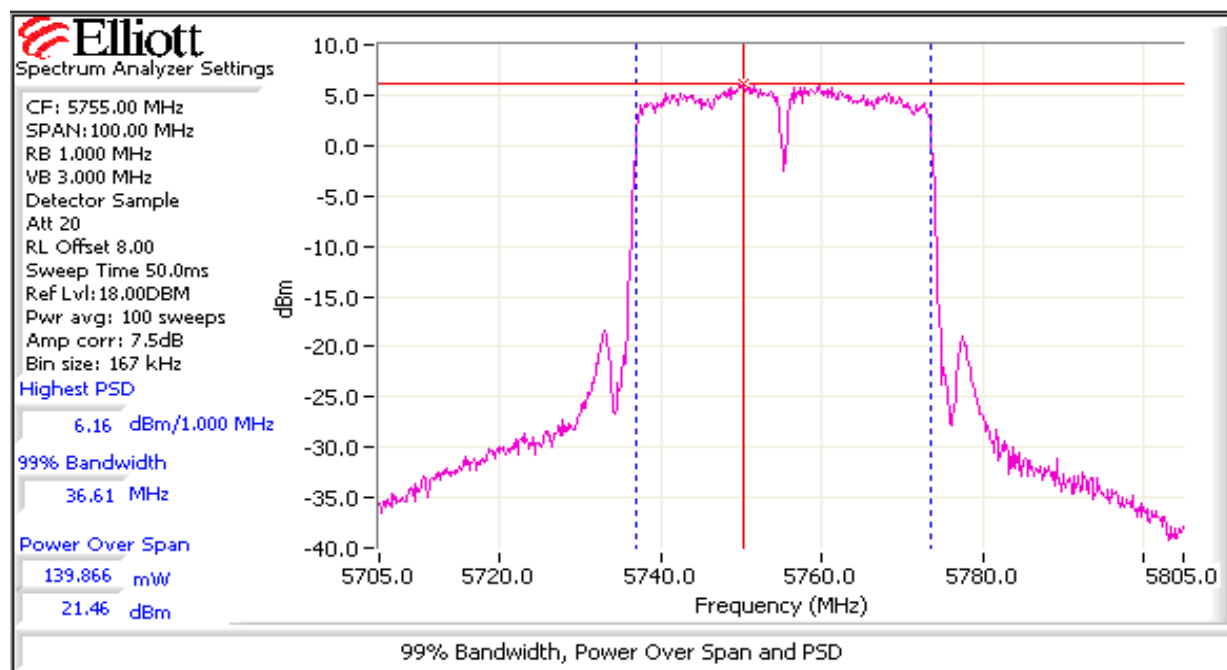

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5755 MHz, 99% Bandwidth Plot, Chain 1



Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

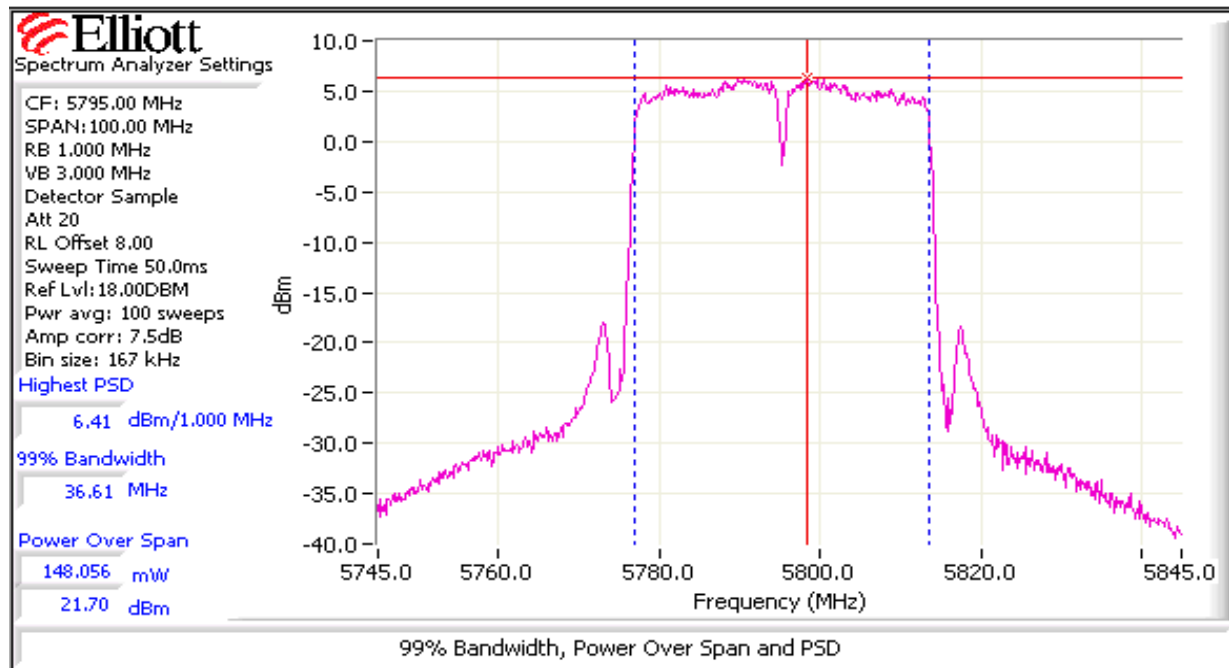
### 5755 MHz, 99% Bandwidth Plot, Chain 2





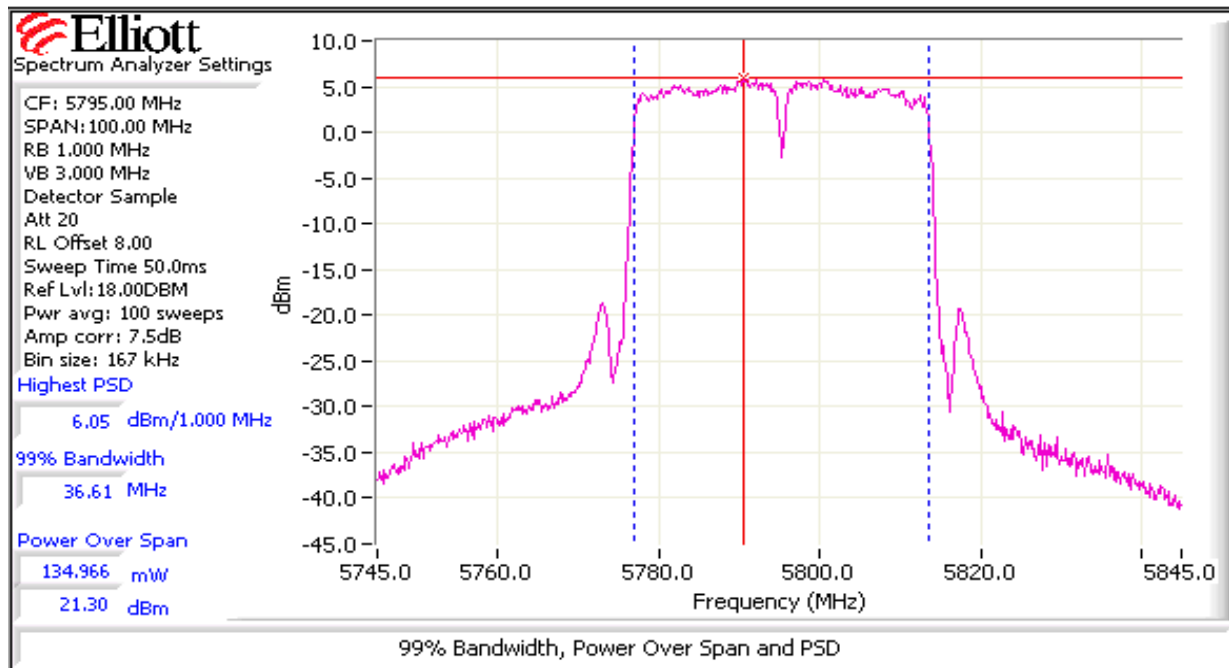
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5795 MHz, 99% Bandwidth Plot, Chain 1



Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5795 MHz, 99% Bandwidth Plot, Chain 2



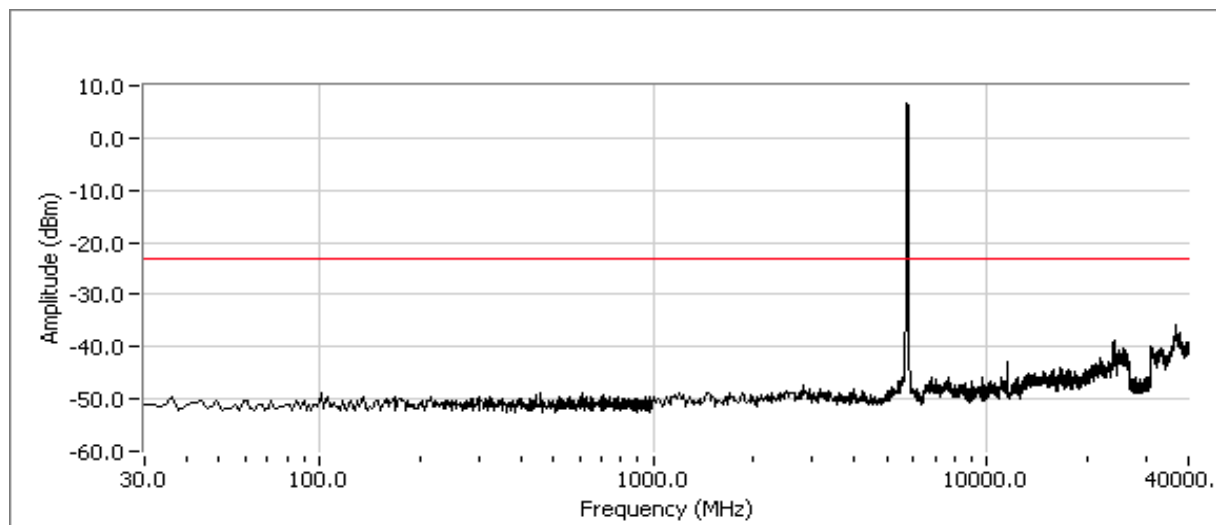
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

**Run #4: Out of Band Spurious Emissions**

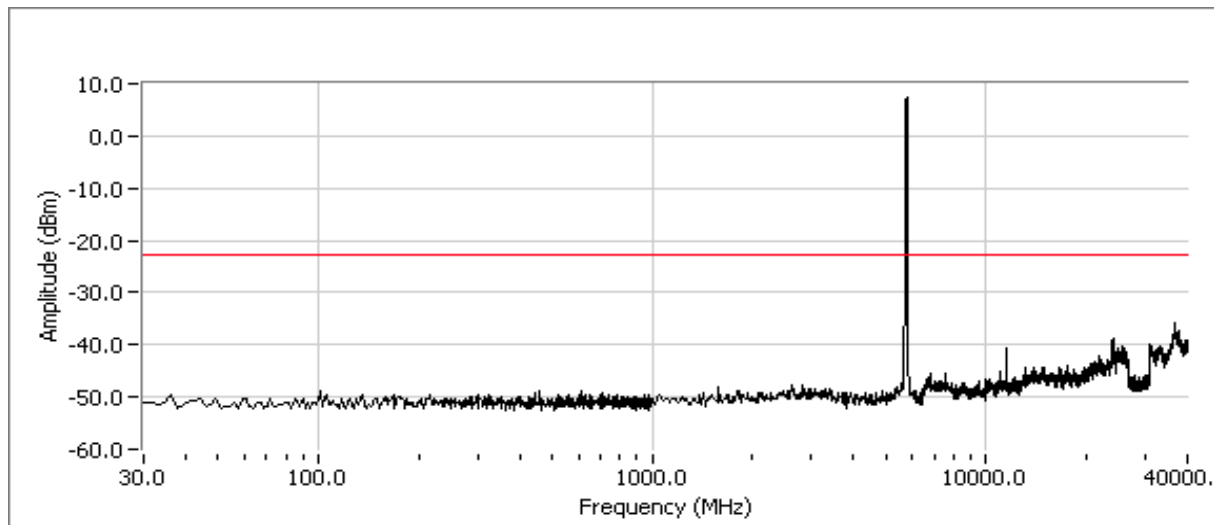
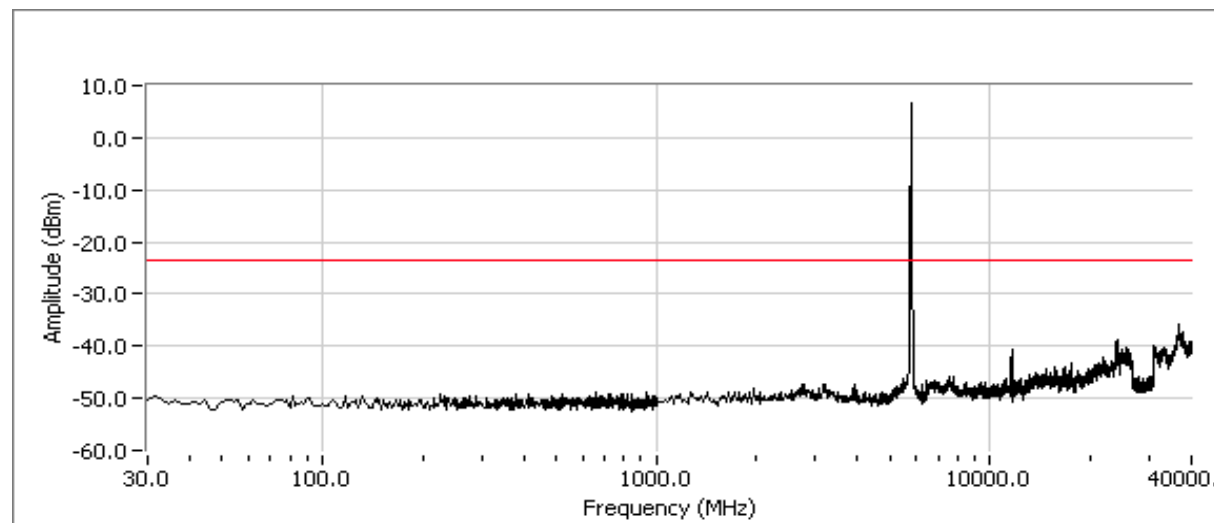
Power Setting Per Chain			Frequency (MHz)	Limit	Result
#1	#2	#3			
			5775	-30dBc	>30dBc
			5795	-30dBc	>30dBc

Note 1: Measured on each chain individually

5755 MHz, Out-of-Band Plot, Chain 1

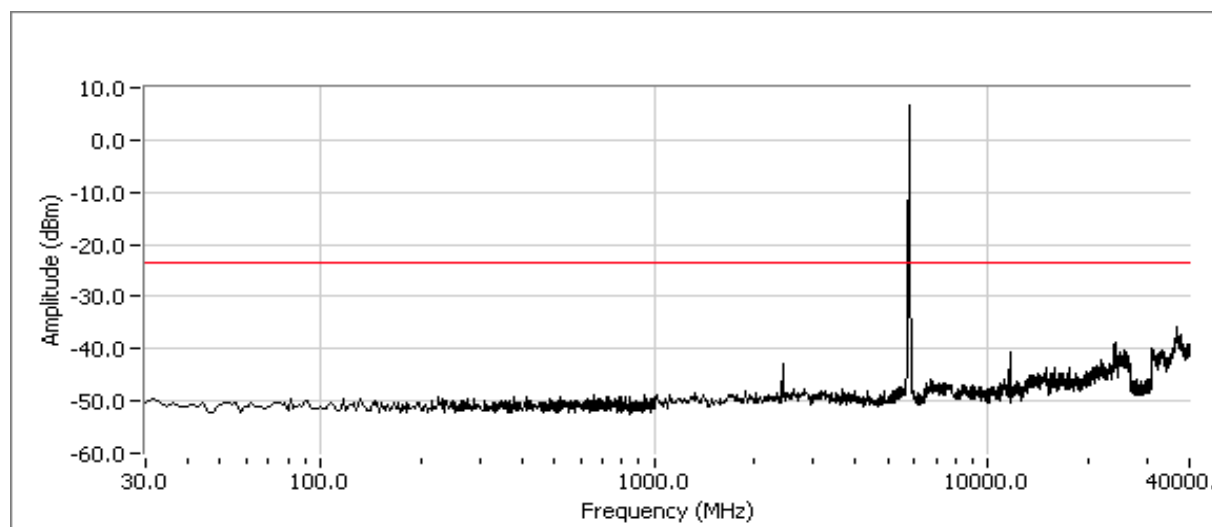


Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**5755 MHz, Out-of-Band Plot, Chain 2**

**5795 MHz, Out-of-Band Plot, Chain 1**


Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**5795 MHz, Out-of-Band Plot, Chain 2**





## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

### RSS 210 and FCC 15.247 Radiated Spurious Emissions

#### Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 8/24/2007  
Test Engineer: Rafael Varelas  
Test Location: Fremont Chamber #4

Config. Used: 1  
Config Change: None  
EUT Voltage: 120V/60Hz

#### General Test Configuration

The EUT and all local support equipment were located on the turntable for radiated spurious emissions testing.

For radiated emissions testing the measurement antenna was located 3 meters from the EUT.

**Ambient Conditions:**  
Temperature: 22.9 °C  
Rel. Humidity: 45 %

#### Summary of Results

Run #	Test Performed	Limit	Pass / Fail	Result / Margin
1 (20MHz CDD Mode)	RE, 30 - 18000 MHz - Spurious Emissions	FCC Part 15.209 / 15.247( c)	Pass	51.3dBµV/m (367.3µV/m) @ 1649.9MHz (-2.7dB)

#### Modifications Made During Testing

No modifications were made to the EUT during testing

#### Deviations From The Standard

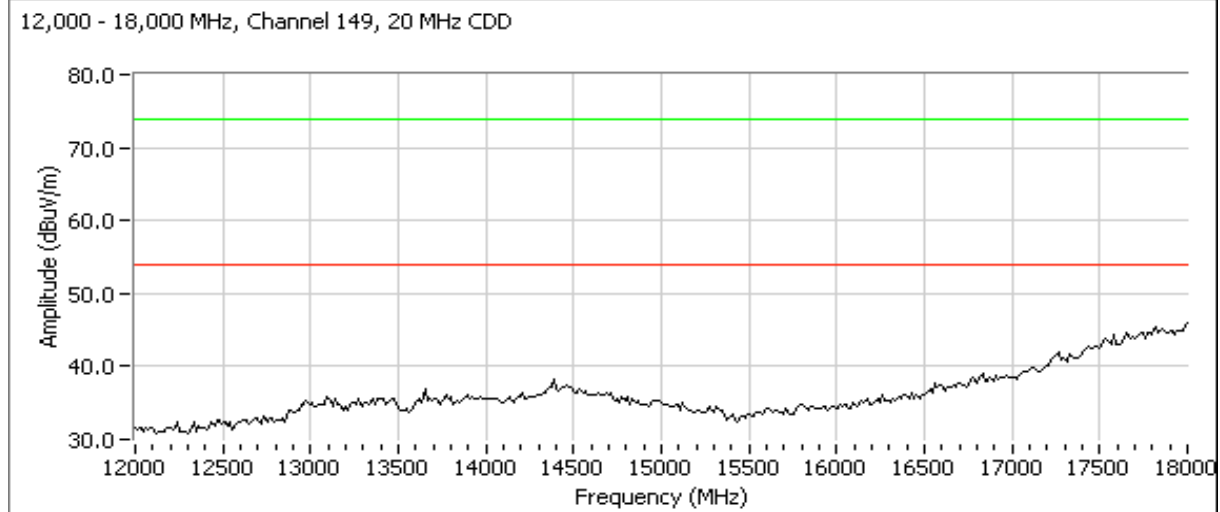
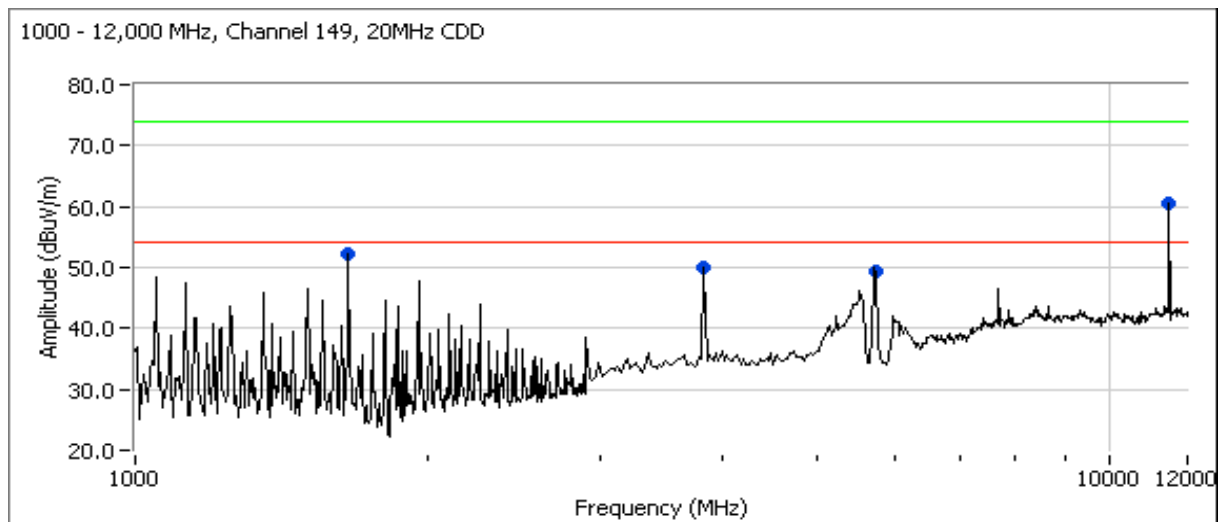
No deviations were made from the requirements of the standard.

Note: Preliminary testing showed no radio related emissions below 1 GHz, and no emissions above 18 GHz.

Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: Radio

**Run #1: Radiated Spurious Emissions, 1000 - 18000 MHz.**

Frequency Range	Test Distance	Limit Distance	Extrapolation Factor
1000-12000	3	3	0.0
12000-18000	1	3	-9.5

**Run #1a: Low Channel @ 5745 MHz**


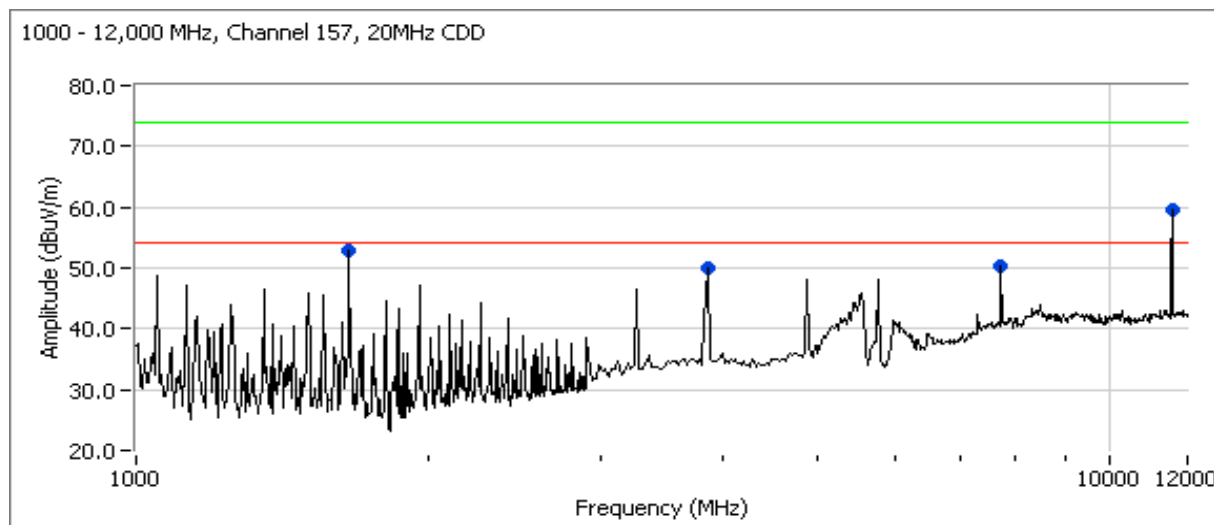
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

**Run #1a: Continued**

Frequency	Level	Pol	15.209 / 15.247	Detector	Azimuth	Height	Comments
MHz	dB $\mu$ V/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters
3832.750	50.1	V	54.0	-3.9	Peak	88	1.0
5745.000	49.3	V	-	-	Peak	157	1.0
1649.910	51.9	V	54.0	-2.1	AVG	88	1.0
1649.910	53.2	V	74.0	-20.8	PK	88	1.0
11491.120	50.9	V	54.0	-3.1	AVG	323	1.5
11491.120	62.0	V	74.0	-12.0	PK	323	1.5

Note 1: For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental and measured in 100kHz.

Note 2: Signal is not in a restricted band but the more stringent restricted band limit was used.

**Run #1b: Center Channel @ 5785 MHz**


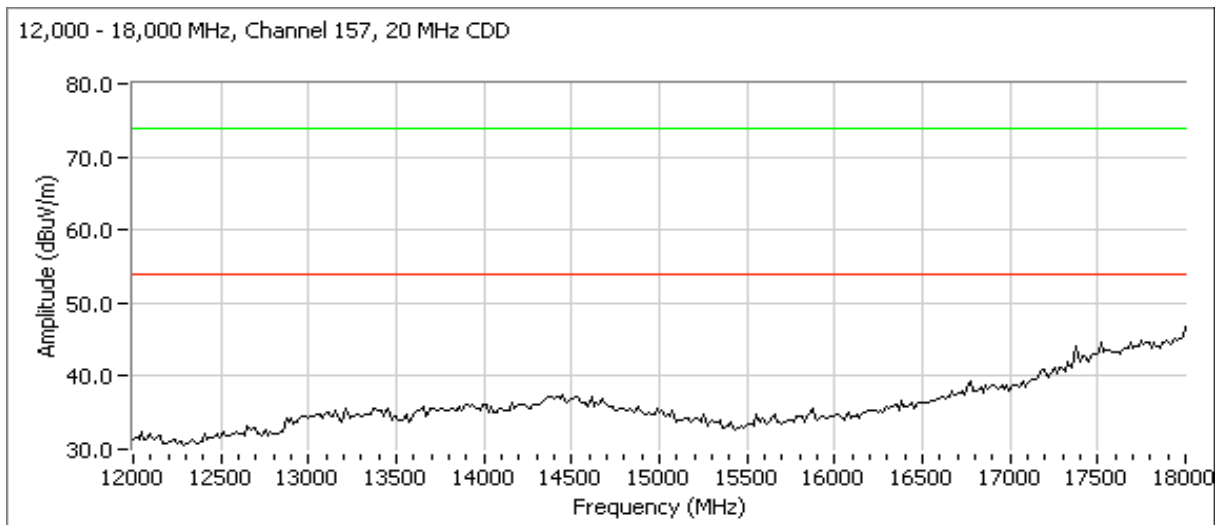




## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

### Run #1b: Continued



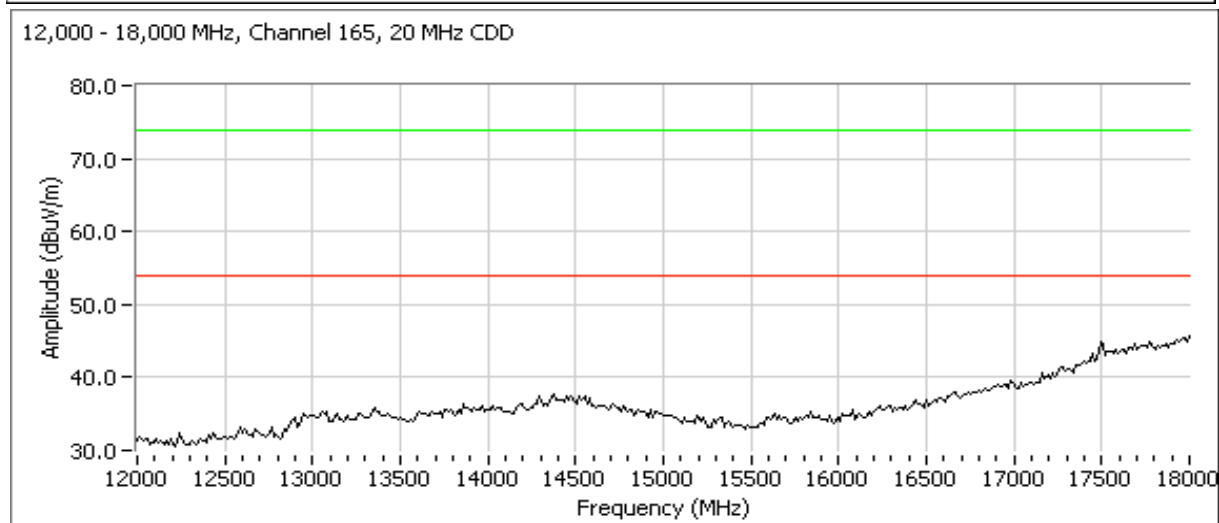
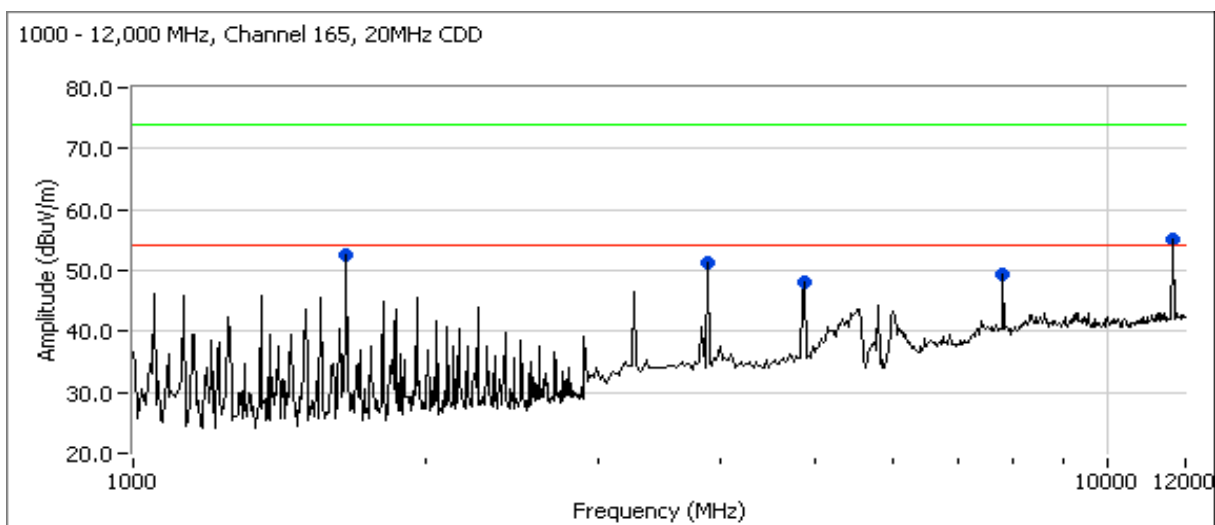
Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBuV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
3855.500	50.1	H	54.0	-3.9	Peak	113	2.0	
7723.000	50.3	V	54.0	-3.7	Peak	242	1.5	
11571.220	50.8	V	54.0	-3.2	AVG	28	1.5	
11571.220	63.6	V	74.0	-10.4	PK	28	1.5	
1649.920	51.0	V	54.0	-3.0	AVG	88	1.0	Non-restricted
1649.920	52.5	V	74.0	-21.5	PK	88	1.0	

Note 1: For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental and measured in 100kHz.

Note 2: Signal is not in a restricted band but the more stringent restricted band limit was used.

Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: Radio

### Run #1c: High Channel @ 5825 MHz





## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	Radio

### Run #1c: Continued

Frequency	Level	Pol	15.209 / 15.247		Detector	Azimuth	Height	Comments
MHz	dBμV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
1649.930	51.3	V	54.0	-2.7	AVG	88	1.0	Non-restricted
7791.250	49.4	V	54.0	-4.6	Peak	243	1.5	
11650.870	48.8	V	54.0	-5.2	AVG	317	1.5	
3883.210	48.1	V	54.0	-5.9	AVG	8	2.0	
4879.250	48.0	V	54.0	-6.0	Peak	82	1.0	
11650.870	60.2	V	74.0	-13.8	PK	317	1.5	
1649.930	52.7	V	74.0	-21.3	PK	88	1.0	
3883.210	51.6	V	74.0	-22.4	PK	8	2.0	

Note 1: For emissions in restricted bands, the limit of 15.209 was used. For all other emissions, the limit was set 20dB below the level of the fundamental and measured in 100kHz.

Note 2: Signal is not in a restricted band but the more stringent restricted band limit was used.



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### RSS 210 and FCC 15.247 (DTS) Antenna Port Measurements MIMO and Smart Antenna Systems Power, Bandwidth and Spurious Emissions

#### Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 8/19/2007  
Test Engineer: Rafael Varelas  
Test Location: Fremont Chamber #4

Config. Used: 1  
Config Change: None  
EUT Voltage: 120V/60Hz

#### General Test Configuration

The EUT was connected to the spectrum analyzer or power meter via a suitable attenuator. All measurements were made on a single chain.

All measurements have been corrected to allow for the external attenuators used.

**Ambient Conditions:**  
Temperature: 22.1 °C  
Rel. Humidity: 43 %

#### Summary of Results

Run #	Test Performed	Limit	Pass / Fail	Result / Margin
1	Output Power	15.247(b)	Pass	18.2 dBm
2	Power spectral Density (PSD)	15.247(d)	Pass	-7.9 dBm/3kHz
3	6dB Bandwidth	15.247(a)	Pass	17.2 MHz
3	99% Bandwidth	RSS GEN	-	18.0 MHz
4	Spurious emissions	15.247(b)	Pass	>30 dBc

#### Modifications Made During Testing

No modifications were made to the EUT during testing

#### Deviations From The Standard

No deviations were made from the requirements of the standard.



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### Run #1: Output Power

Transmitted signal on chain is coherent ? Yes

### Regulatory Power Measurements:

Power Setting <sup>4</sup>	Frequency (MHz)	Output Power (dBm) <sup>Note 1</sup>			Antenna Gain (dBi) <sup>Note 3</sup>			EIRP <sup>Note 2</sup>	
		Chain 1	Chain 2	Total	Chain 1	Chain 2	Total	dBm	W
	5745	15.1	15.3	18.2	3.7	3.7	6.7	24.9	0.311
	5785	15.2	15.1	18.1	3.7	3.7	6.7	24.8	0.305
	5825	15.0	15.4	18.2	3.7	3.7	6.7	24.9	0.310

Note 1:	RBW=1MHz, VB=3 MHz, sample detector, power averaging on (transmitted signal was not continuous but the ESI analyzer was configured with a gated sweep such that the analyzer was only sweeping when the device was transmitting) and power integration over 100 MHz
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Note 2:	EIRP - if transmit chains are coherent then the EIRP is calculated from the sum of the antenna gains plus the total power (i.e. beam-forming is assumed because of coherency on the chains). If the individual chains are incoherent then the EIRP is calculated from the sum of the individual EIRPs for each chain.
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Note 3:	If the transmit chains are coherent then the total system antenna gain is the sum of the numeric gains for each antenna. If the transmit chains are incoherent then the system antenna gain is not applicable as each transmit chain can be treated independently.
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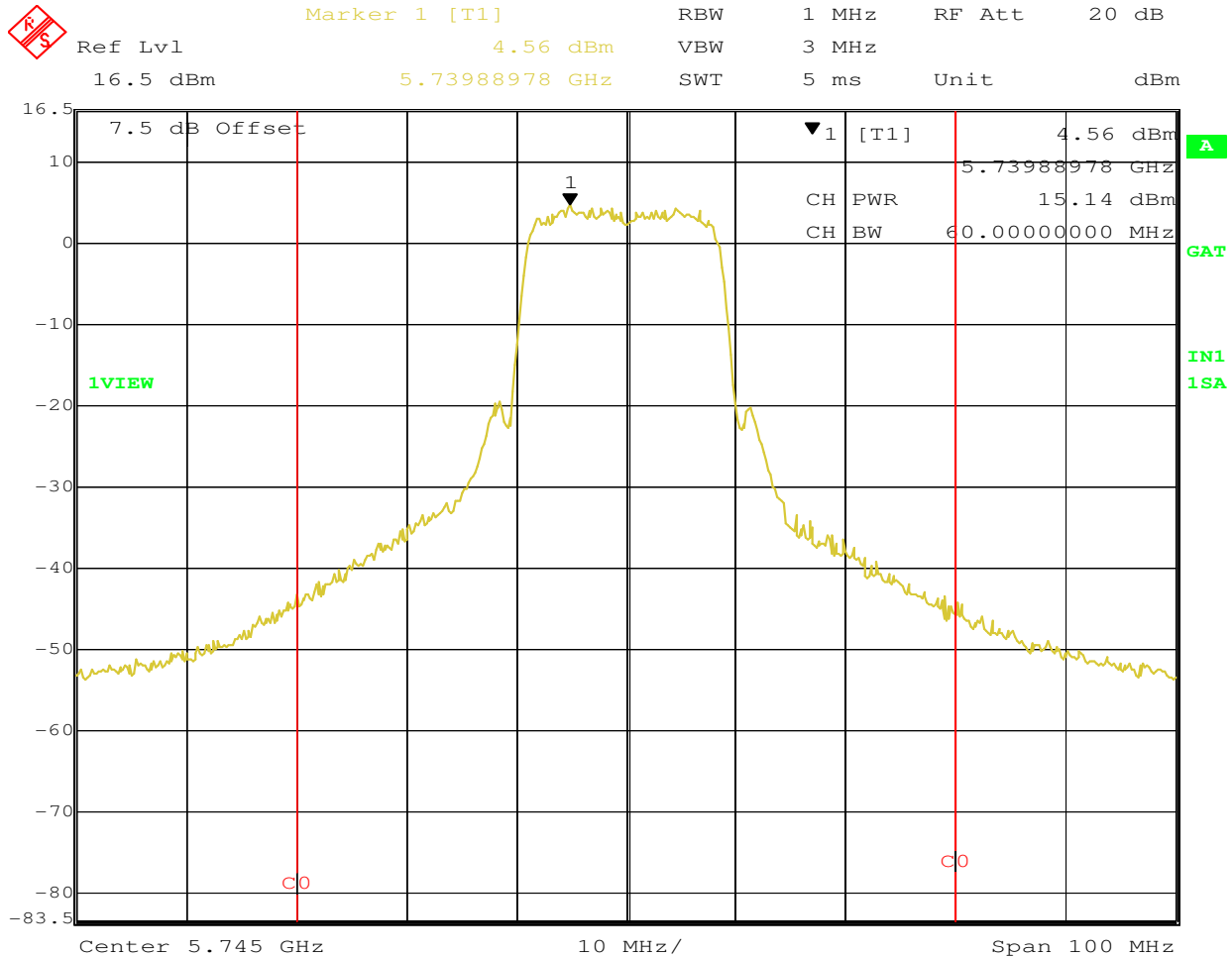
Note 4:	Power setting - if a single number the same power setting was used for each chain. If multiple numbers the power setting for each chain is separated by a comma (e.g. x,y would indicate power setting x for chain 1, power setting y for chain 2.
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## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5745 MHz, Power Plot, Chain 1



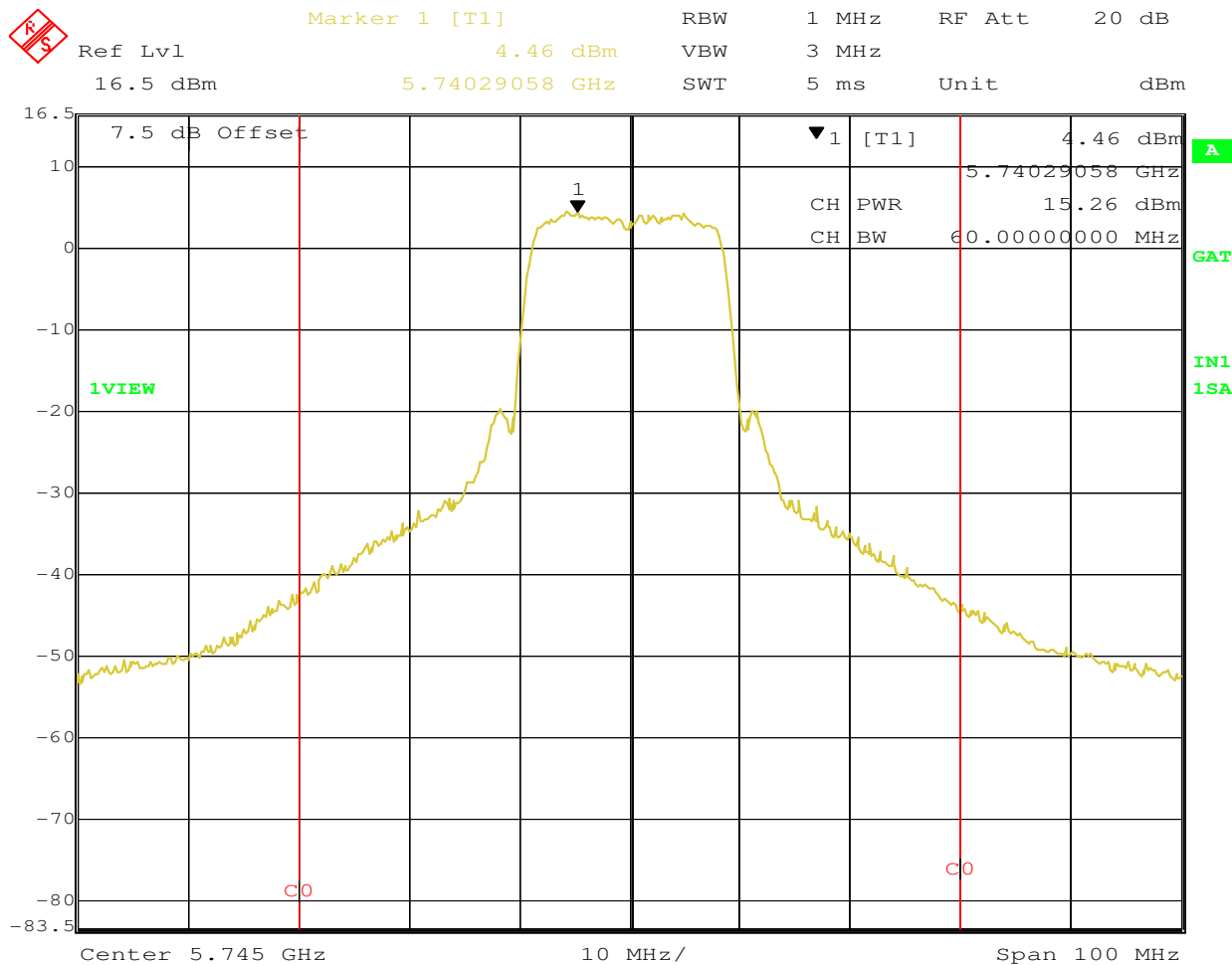
Date: 19.AUG.2007 21:31:30



## EMC Test Data

Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

### 5745 MHz, Power Plot, Chain 2



Date: 19.AUG.2007 21:34:53



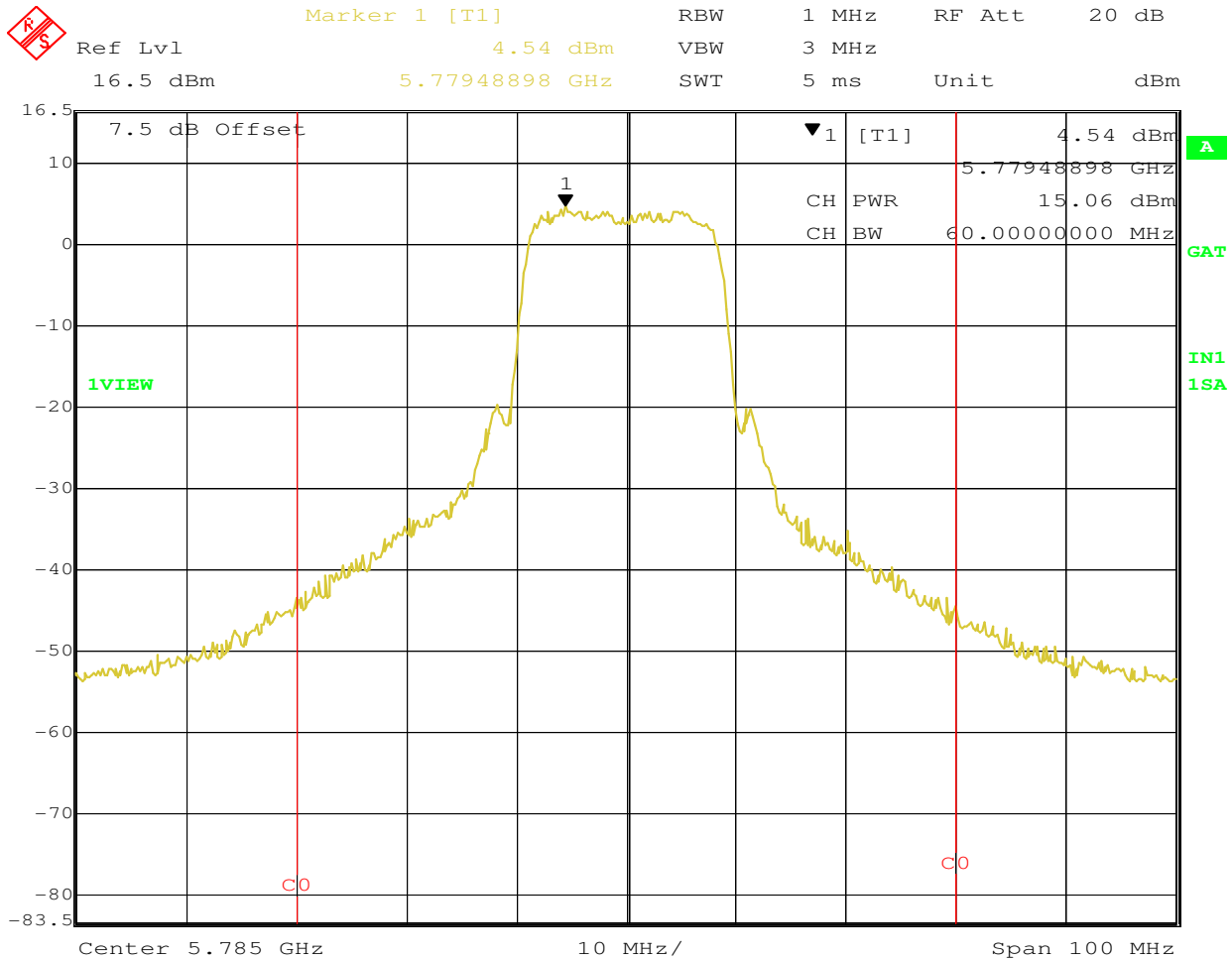




## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5785 MHz, Power Plot, Chain 2



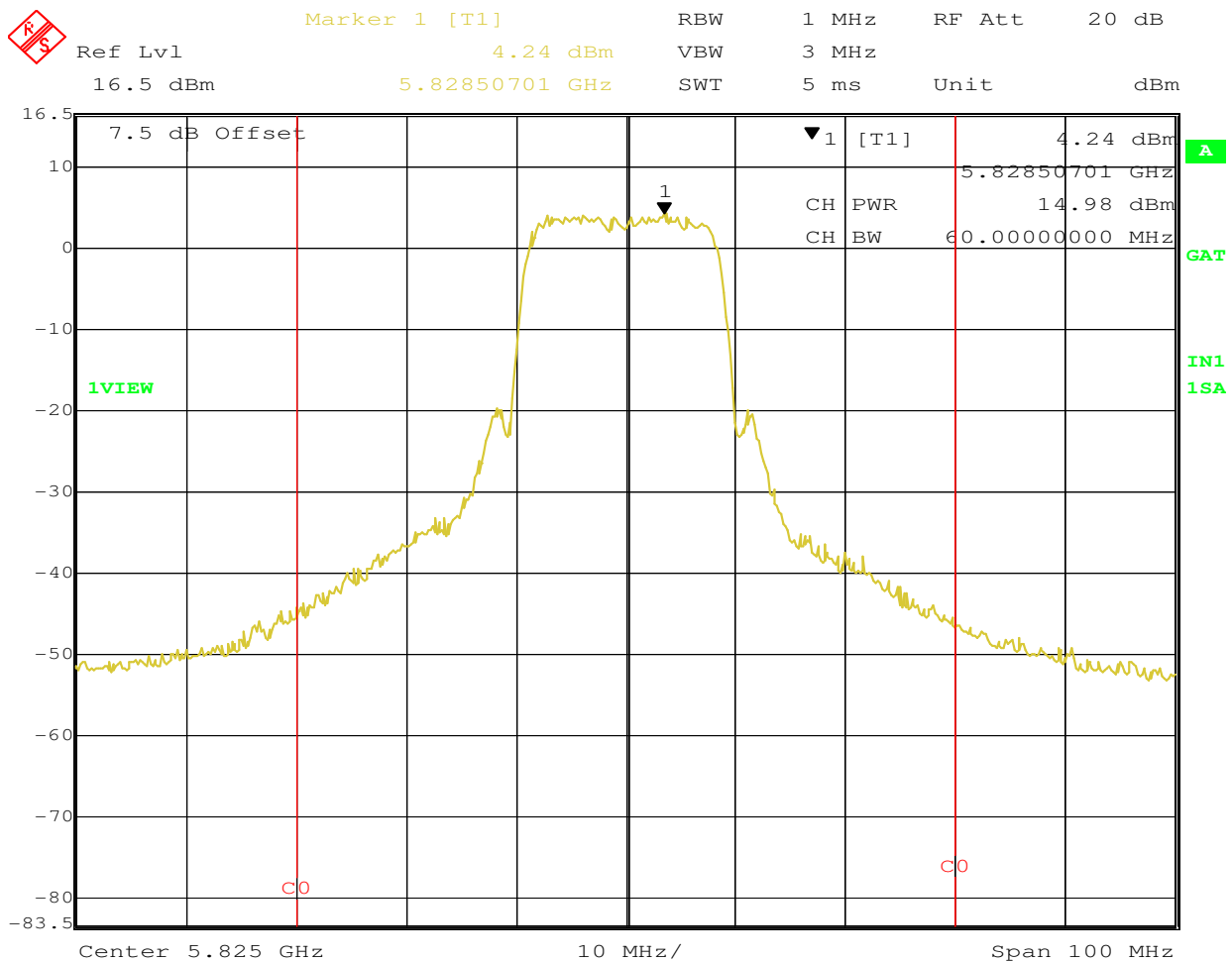
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## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5825 MHz, Power Plot, Chain 1



Center 5.825 GHz 10 MHz/ Span 100 MHz

Date: 19.AUG.2007 21:08:05



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

### 5825 MHz, Power Plot, Chain 2



Ref Lvl  
16.5 dBm

Marker 1 [T1]

4.61 dBm

5.81948898 GHz

RBW

1 MHz

RF Att

20 dB

VBW

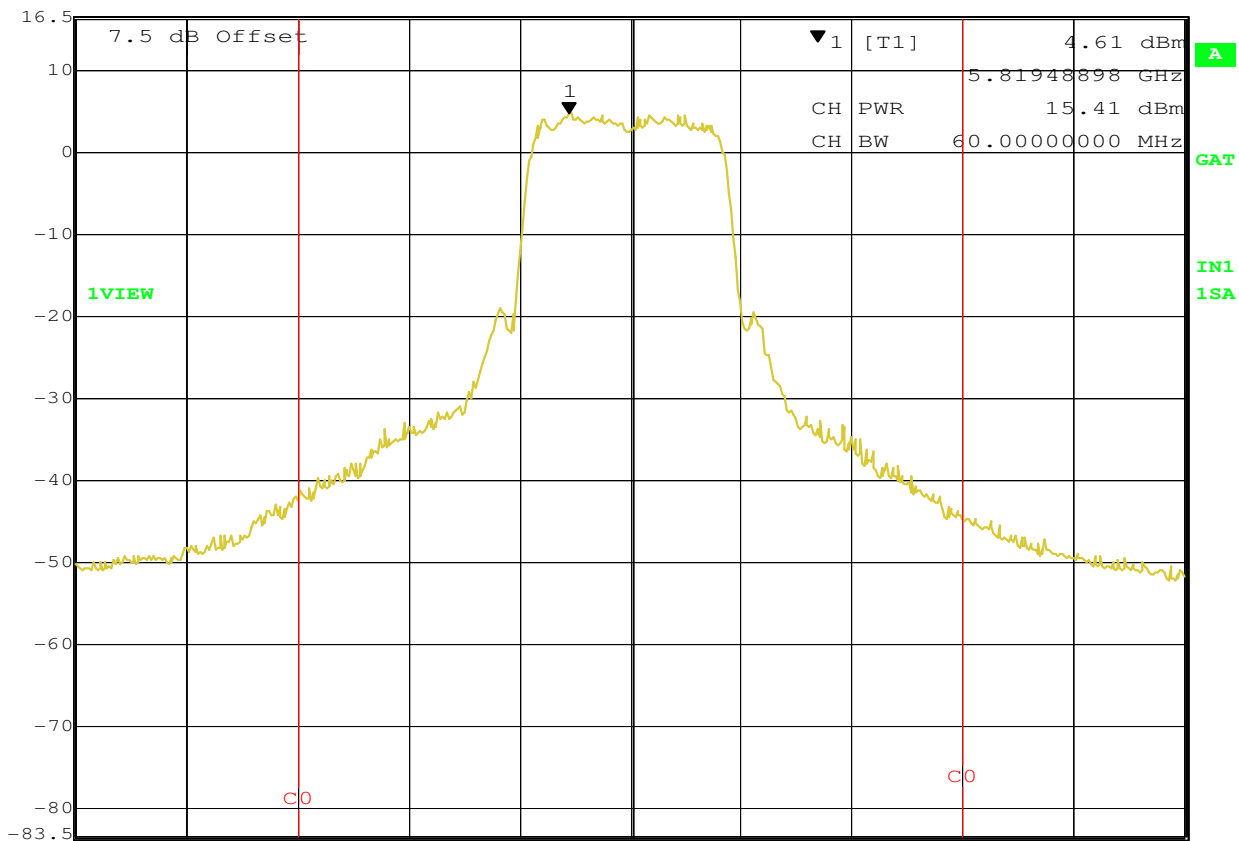
3 MHz

SWT

5 ms

Unit

dBm



Center 5.825 GHz

10 MHz/

Span 100 MHz

Date: 19.AUG.2007 21:16:59



## EMC Test Data

Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

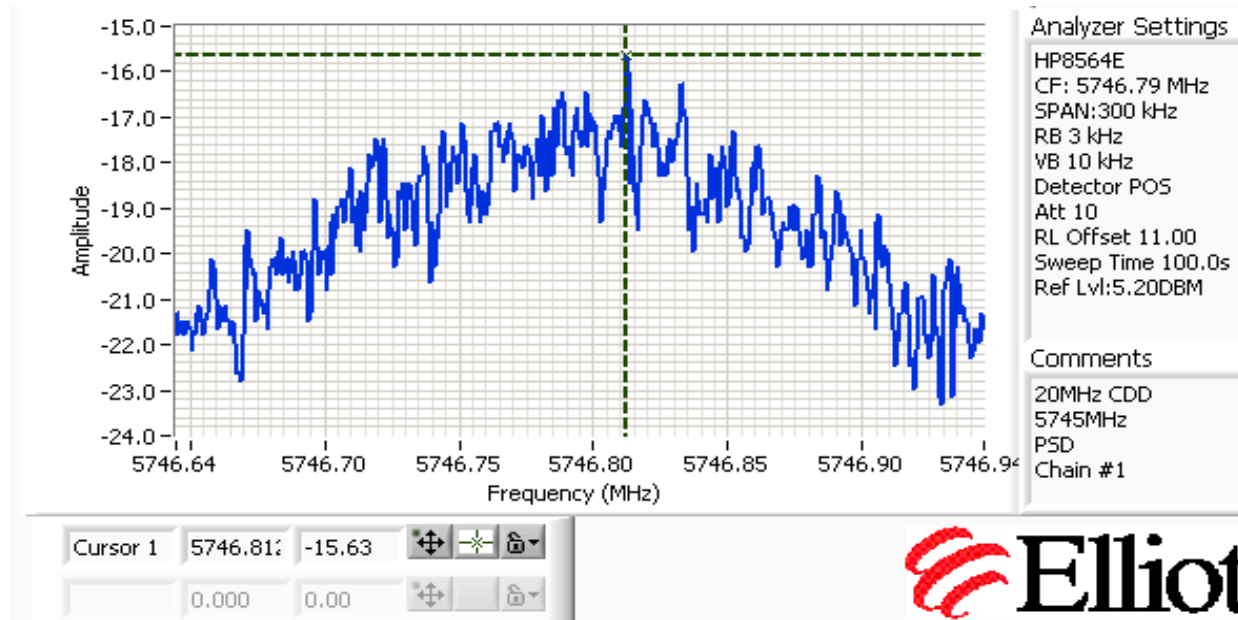
### Run #4: Power spectral Density

Power Setting	Frequency (MHz)	PSD (dBm/3kHz) <sup>Note 1</sup>			Limit dBm/3kHz	Result
		Chain 1	Chain 2	Total		
	5744.298	-15.6	-13.5	-11.4	8.0	Pass
	5787.798	-10.8	-11.0	-7.9	8.0	Pass
	5829.295	-10.8	-12.1	-8.4	8.0	Pass

Note 1:

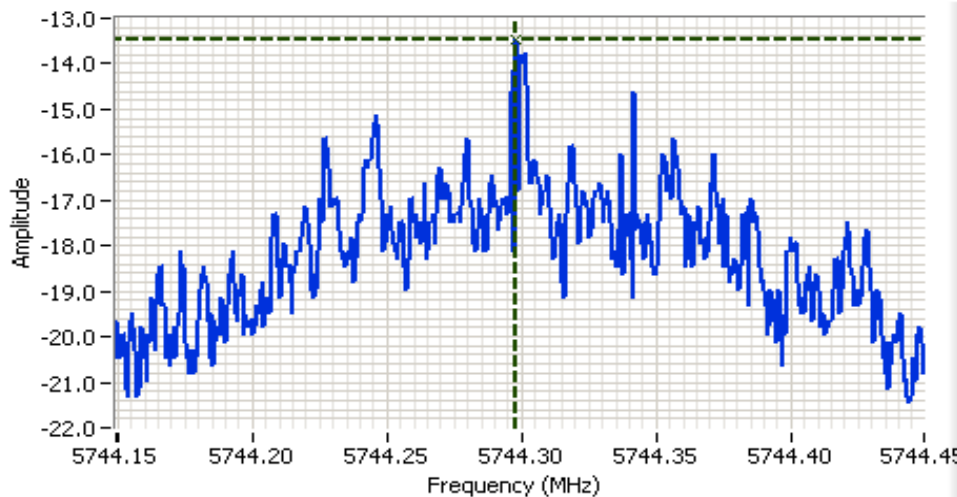
Power spectral density measured using RB=3 kHz, VB=10kHz, analyzer with peak detector and with a sweep time set to ensure a dwell time of at least 1 second per 3kHz. The measurement is made at the frequency of PPSD determined from preliminary scans using RB=3kHz using multiple sweeps at a faster rate over the 6dB bandwidth of the signal.

5745 MHz, PSD Plot, Chain 1



Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5745 MHz, PSD Plot, Chain 2



Analyzer Settings

HP8564E  
 CF: 5744.30 MHz  
 SPAN:300 kHz  
 RB 3 kHz  
 VB 10 kHz  
 Detector POS  
 Att 10  
 RL Offset 11.00  
 Sweep Time 100.0s  
 Ref Lvl:5.20DBM

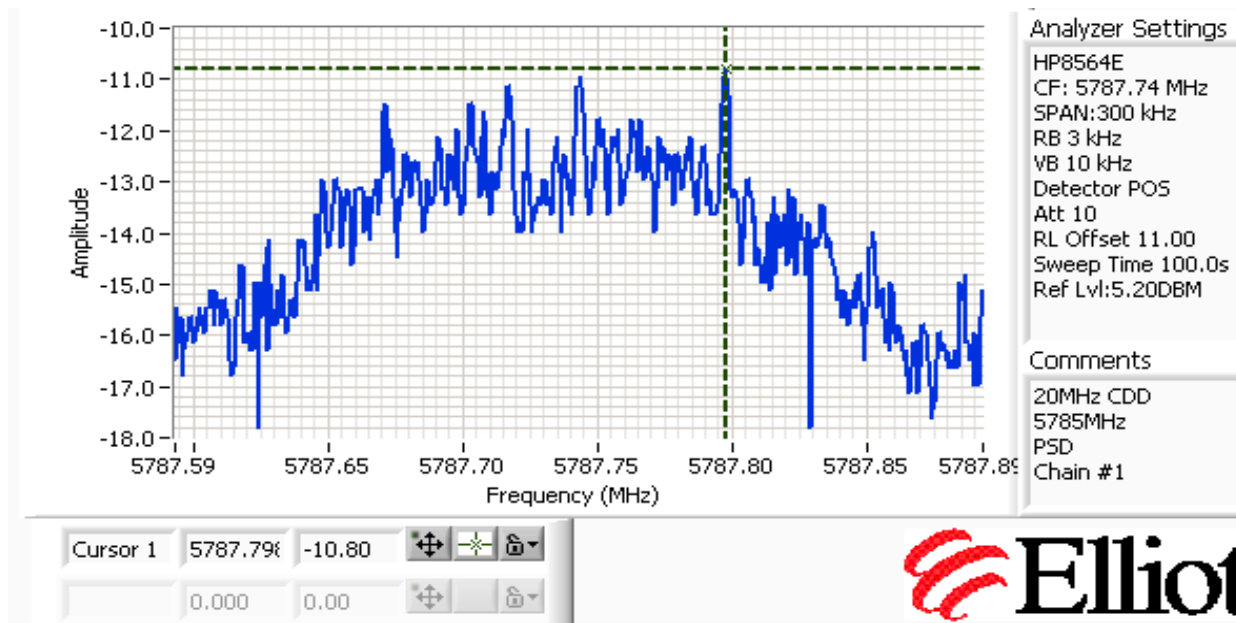
Comments

20MHz CDD  
 5745MHz  
 PSD  
 Chain #2

Cursor 1 5744.29 -13.47  
 0.000 0.00

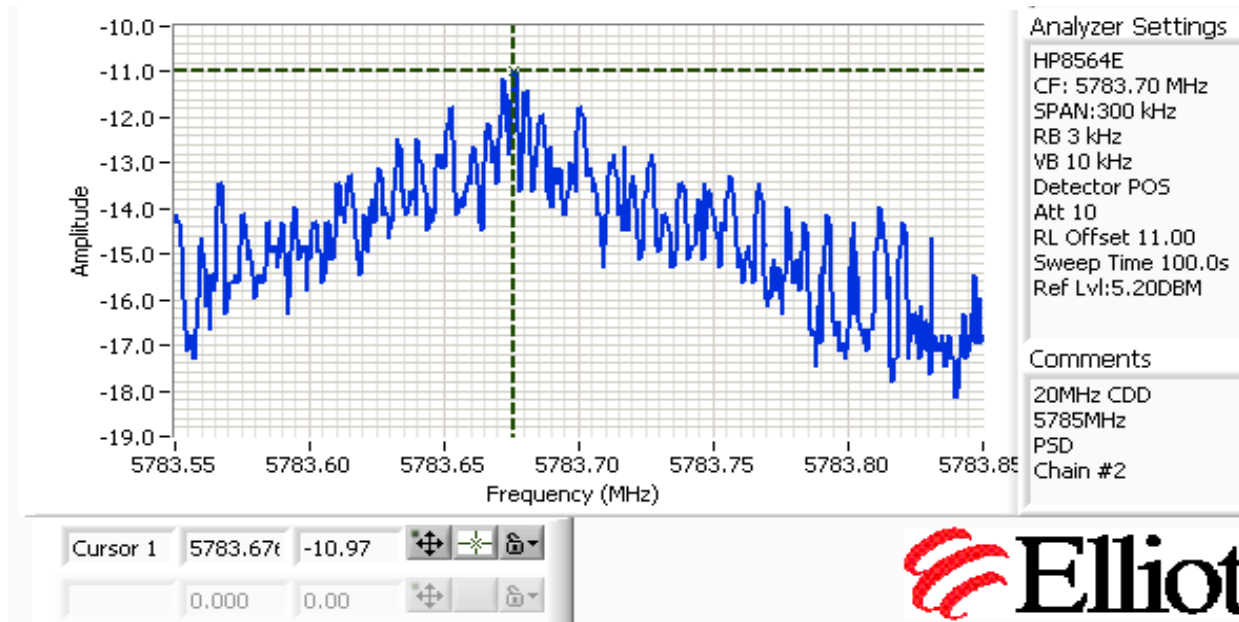
Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5785 MHz, PSD Plot, Chain 1



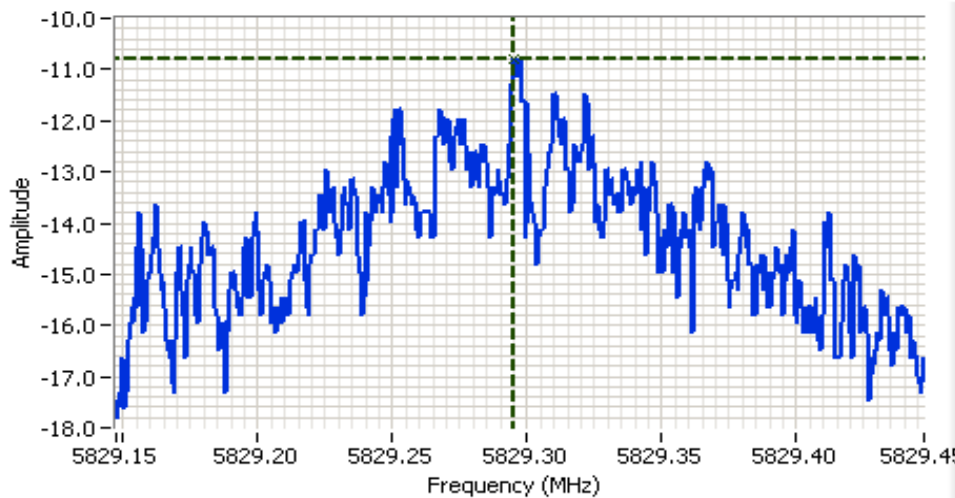
Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5785 MHz, PSD Plot, Chain 2



Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5825 MHz, PSD Plot, Chain 1



Analyzer Settings

HP8564E  
 CF: 5829.30 MHz  
 SPAN:300 kHz  
 RB 3 kHz  
 VB 10 kHz  
 Detector POS  
 Att 10  
 RL Offset 11.00  
 Sweep Time 100.0s  
 Ref Lvl:5.20DBM

Comments

20MHz CDD  
 5825MHz  
 PSD  
 Chain #1

Cursor 1 5829.29 -10.80

0.000 0.00

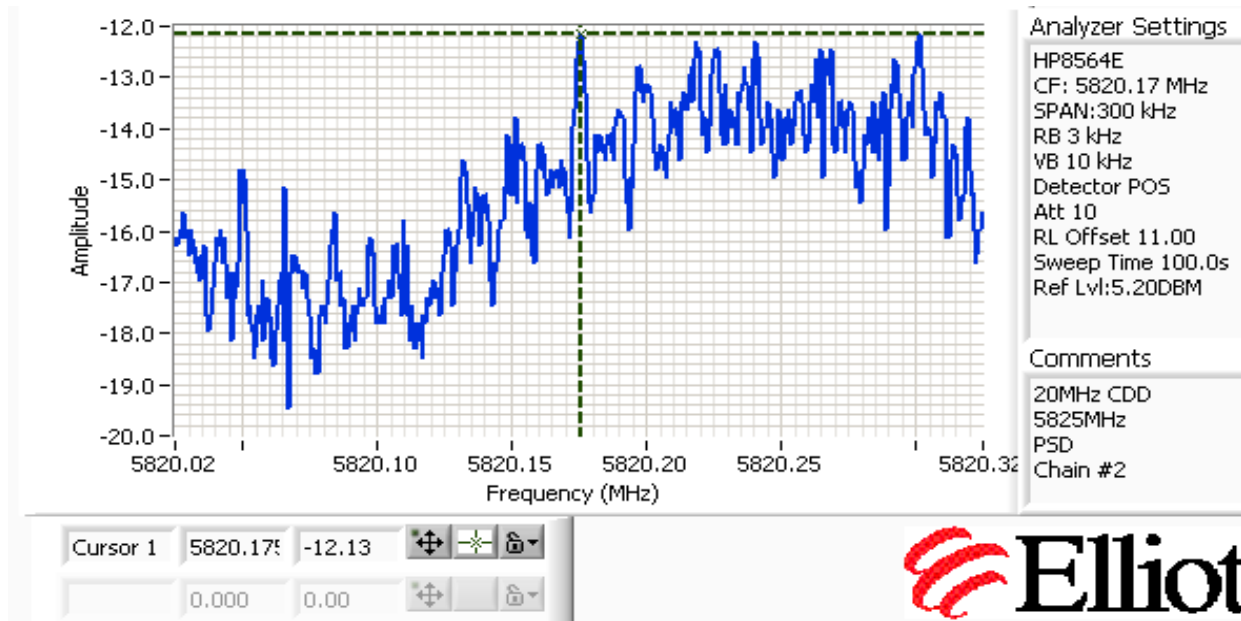




## EMC Test Data

Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5825 MHz, PSD Plot, Chain 2



Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

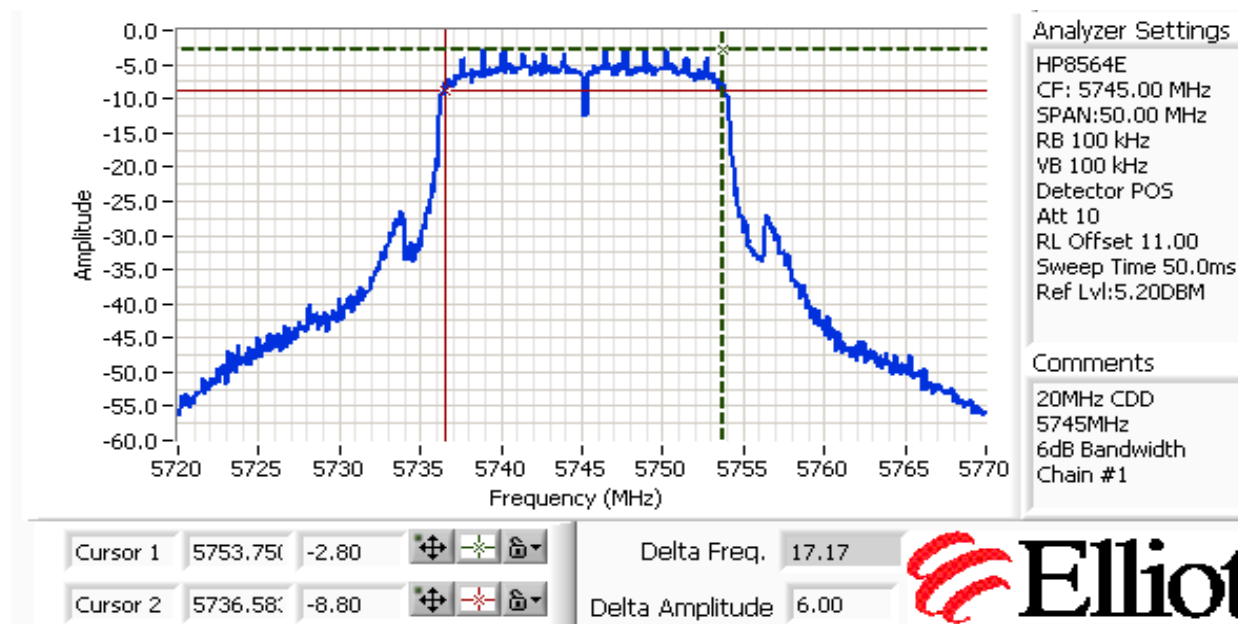
### Run #3: Signal Bandwidth

Power Setting	Frequency (MHz)	Resolution Bandwidth	Bandwidth (MHz)	
			6dB	99%
	5745	100kHz	17.2	18.0
	5785	100kHz	17.7	18.0
	5825	100kHz	17.6	18.0

Note 1: Measured on a single chain

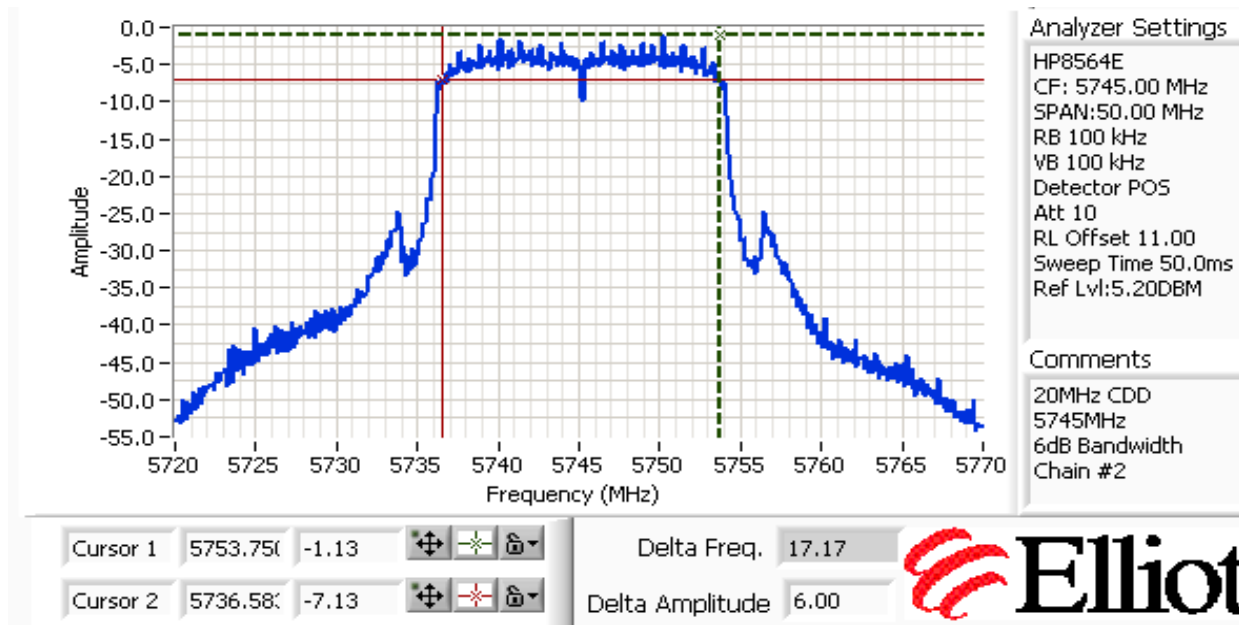
Note 2: 99% bandwidth measured in accordance with RSS GEN, with RB > 1% of the span and VB > 3xRB

5745 MHz, 6dB Bandwidth Plot, Chain 1



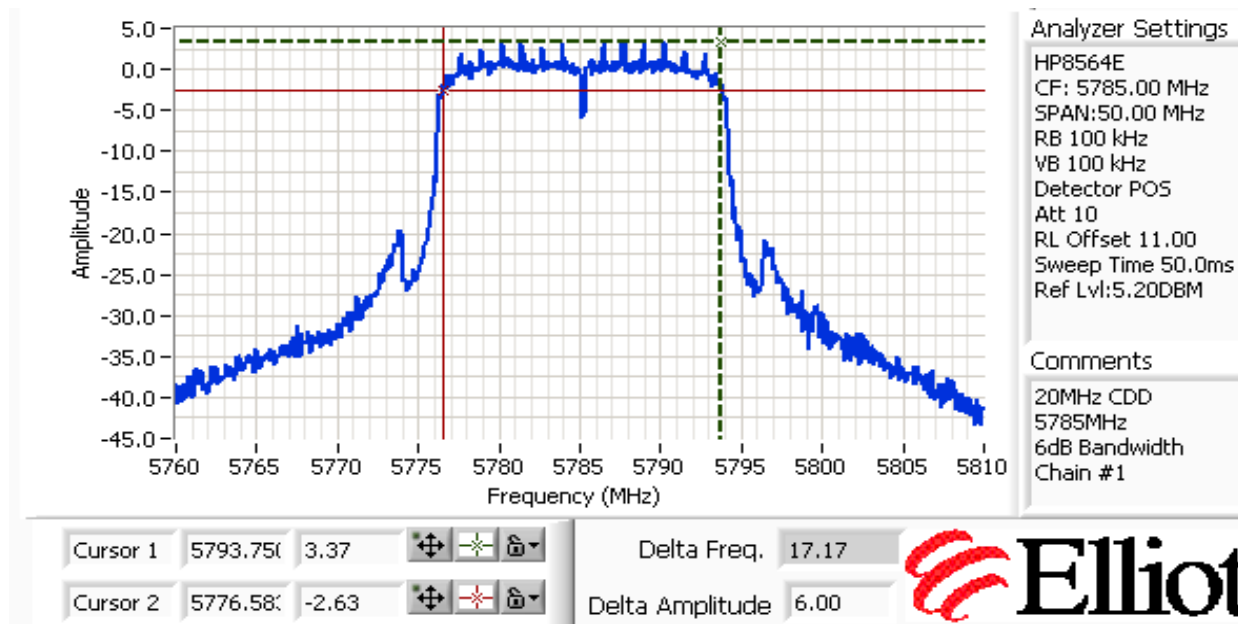
Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5745 MHz, 6dB Bandwidth Plot, Chain 2



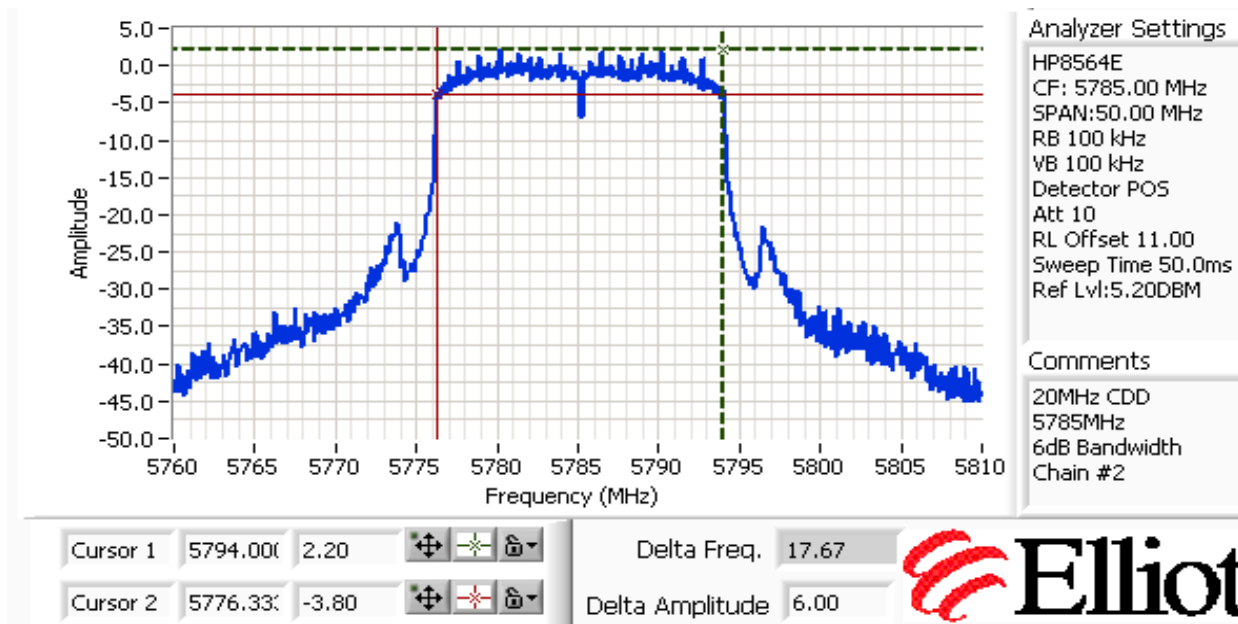
Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5785 MHz, 6dB Bandwidth Plot, Chain 1



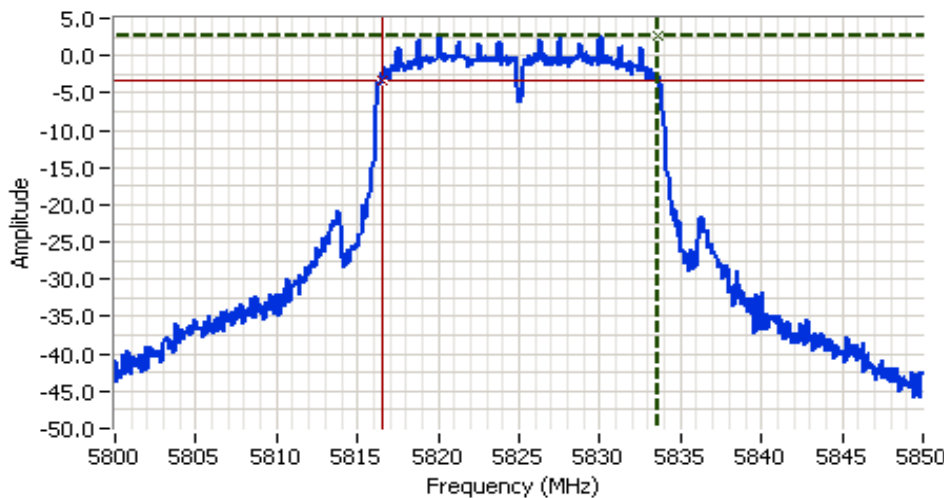
Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5785 MHz, 6dB Bandwidth Plot, Chain 2



Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5825 MHz, 6dB Bandwidth Plot, Chain 1



Analyzer Settings

HP8564E  
 CF: 5825.00 MHz  
 SPAN: 50.00 MHz  
 RB 100 kHz  
 VB 100 kHz  
 Detector POS  
 Att 10  
 RL Offset 11.00  
 Sweep Time 50.0ms  
 Ref Lvl: 5.20DBM

Comments

20MHz CDD  
 5825MHz  
 6dB Bandwidth  
 Chain #1

Cursor 1 5833.58 2.53

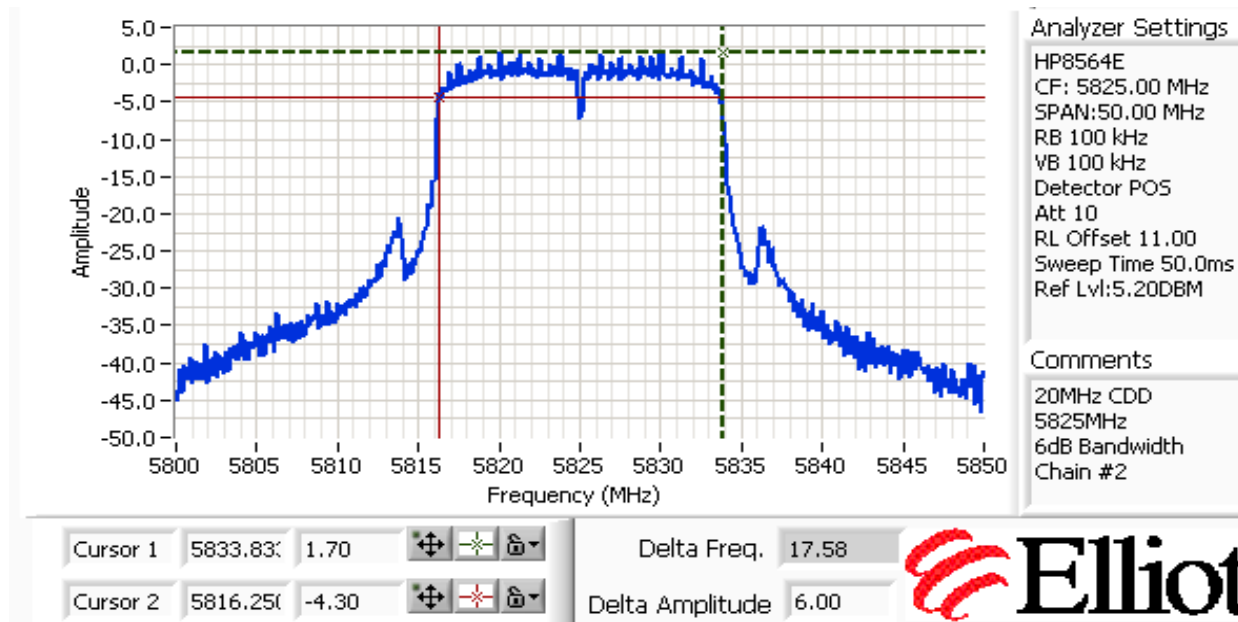
Cursor 2 5816.50 -3.47

Delta Freq. 17.08

Delta Amplitude 6.00

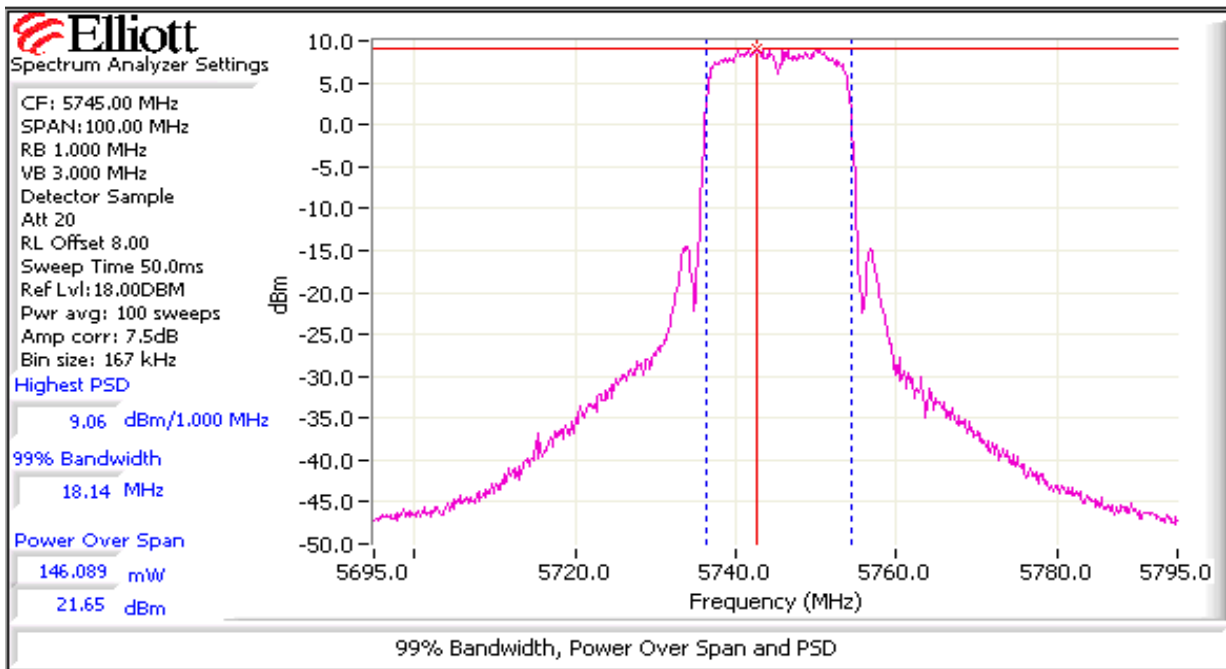
Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

5825 MHz, 6dB Bandwidth Plot, Chain 2



Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

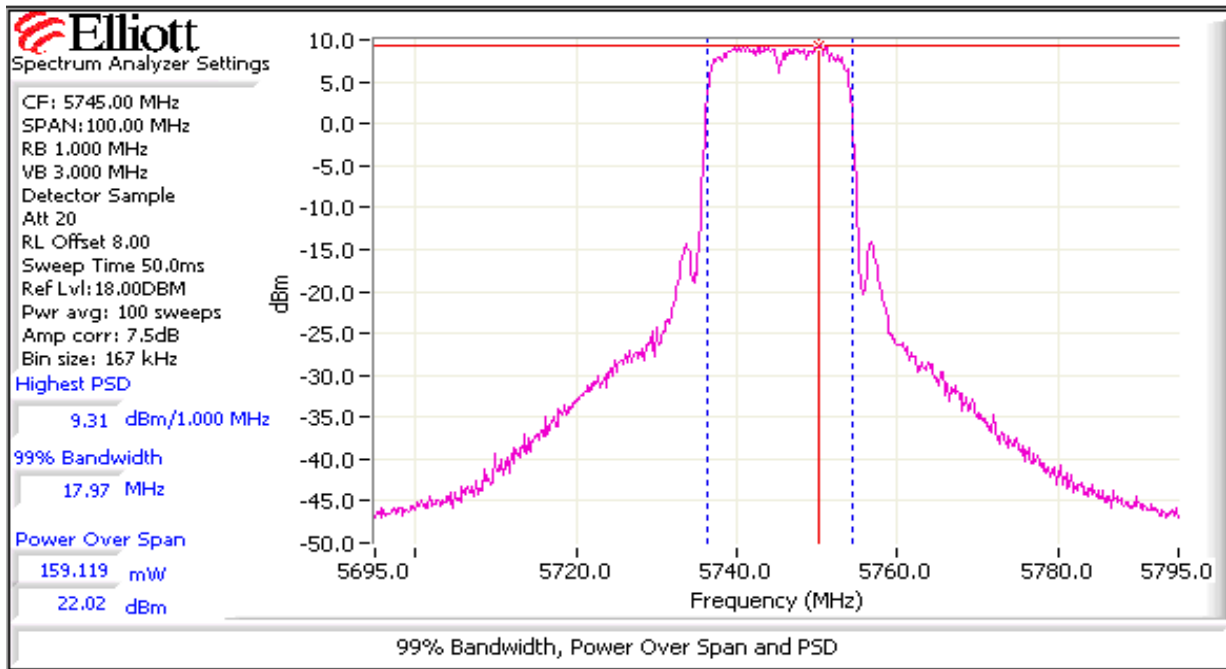
5745 MHz, 99% Bandwidth Plot, Chain 1



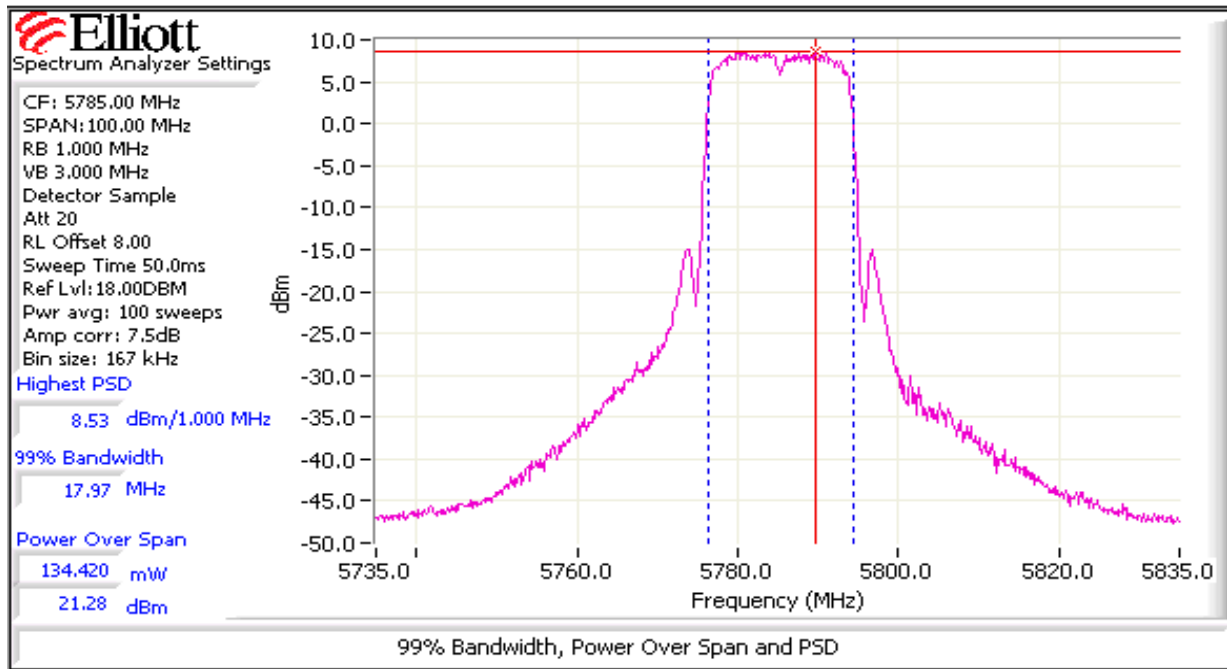


Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

5745 MHz, 99% Bandwidth Plot, Chain 2

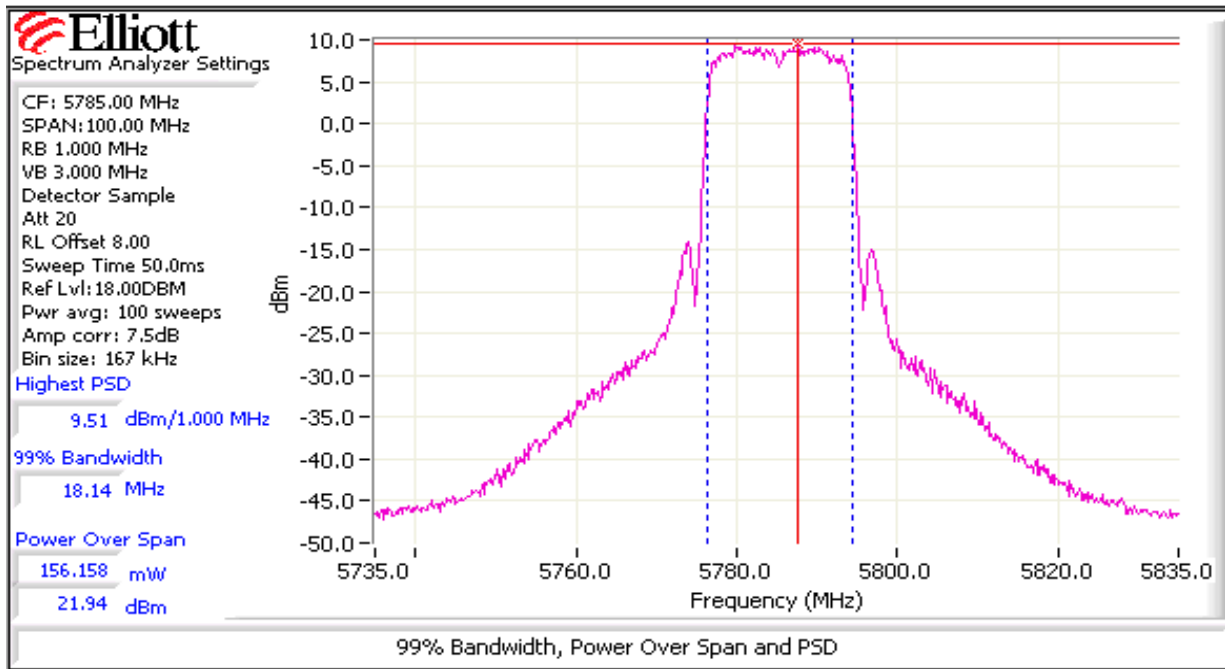


Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**5785 MHz, 99% Bandwidth Plot, Chain 1**


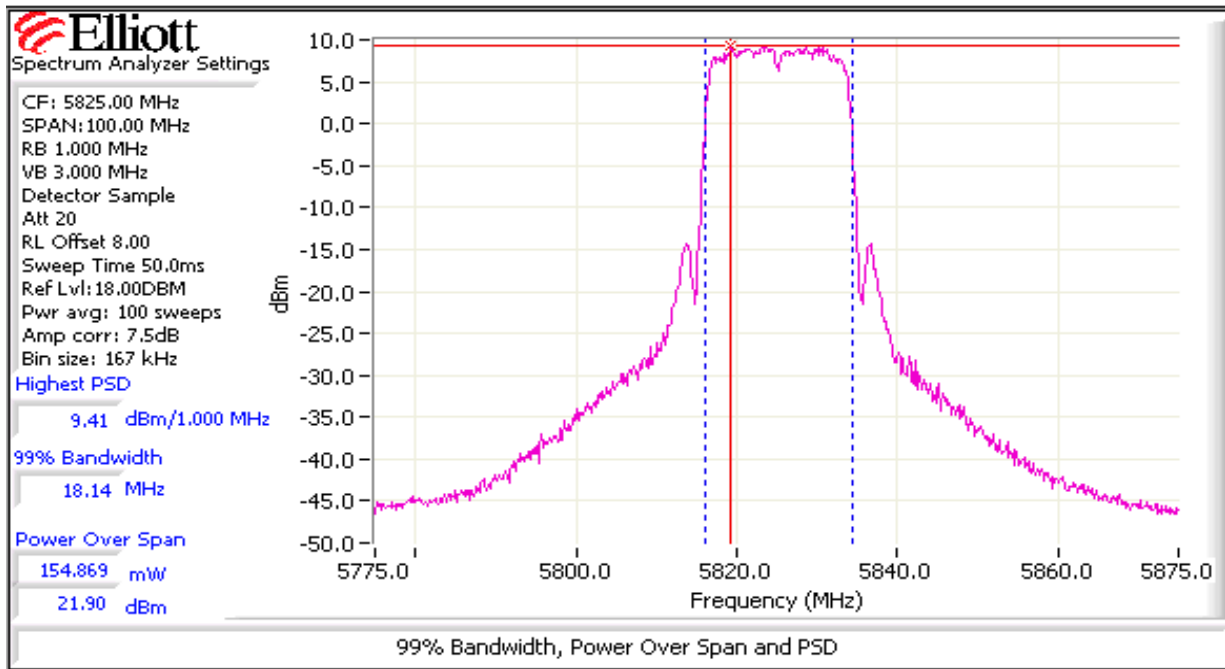
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

5785 MHz, 99% Bandwidth Plot, Chain 2



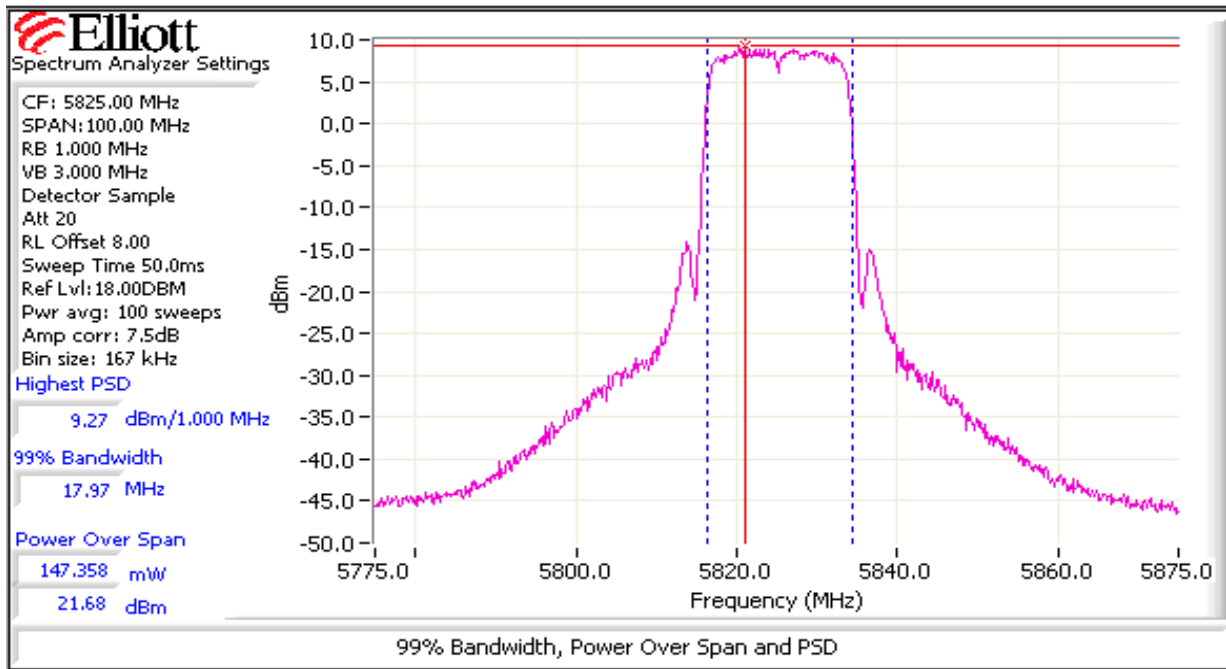
Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

5825 MHz, 99% Bandwidth Plot, Chain 1



Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

5825 MHz, 99% Bandwidth Plot, Chain 2

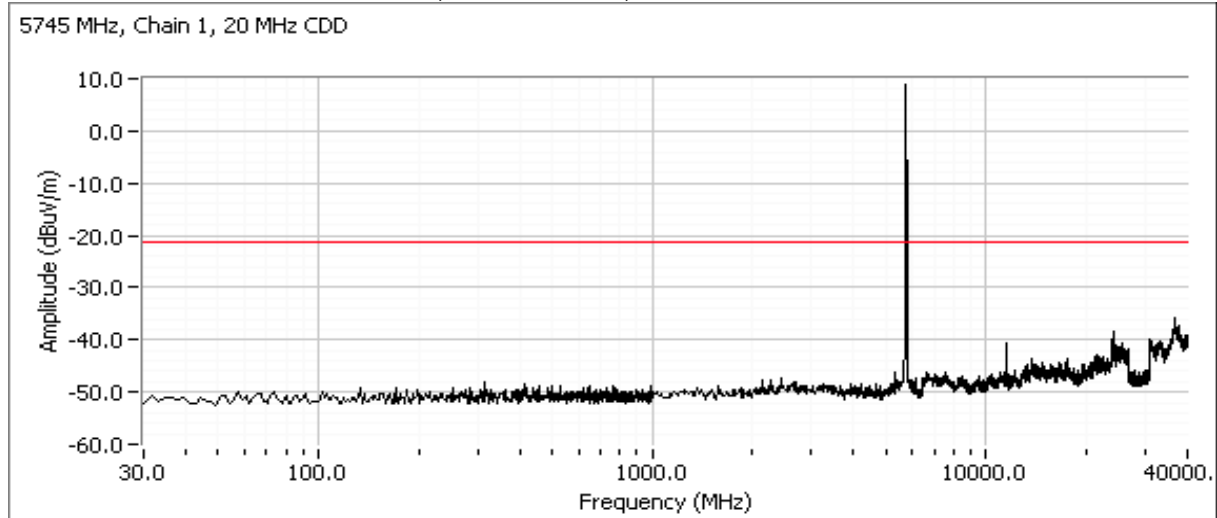


Client:	Cisco-Lynksys	Job Number:	J67313
Model:	WRT600N	T-Log Number:	T69026
Contact:	Kevin Lee	Account Manager:	-
Standard:	FCC 15.247 & RSS-210	Class:	N/A

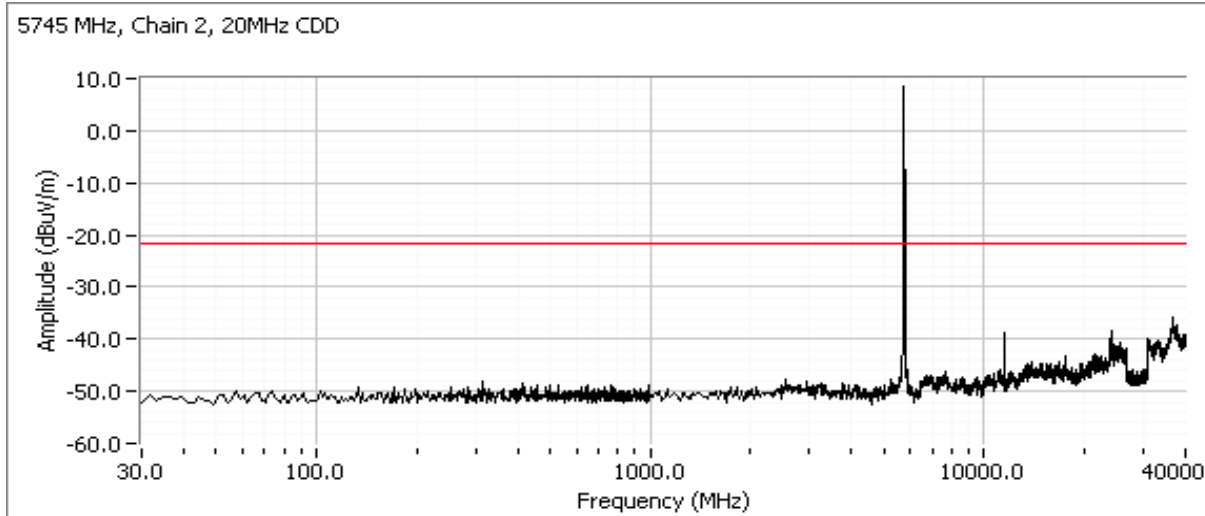
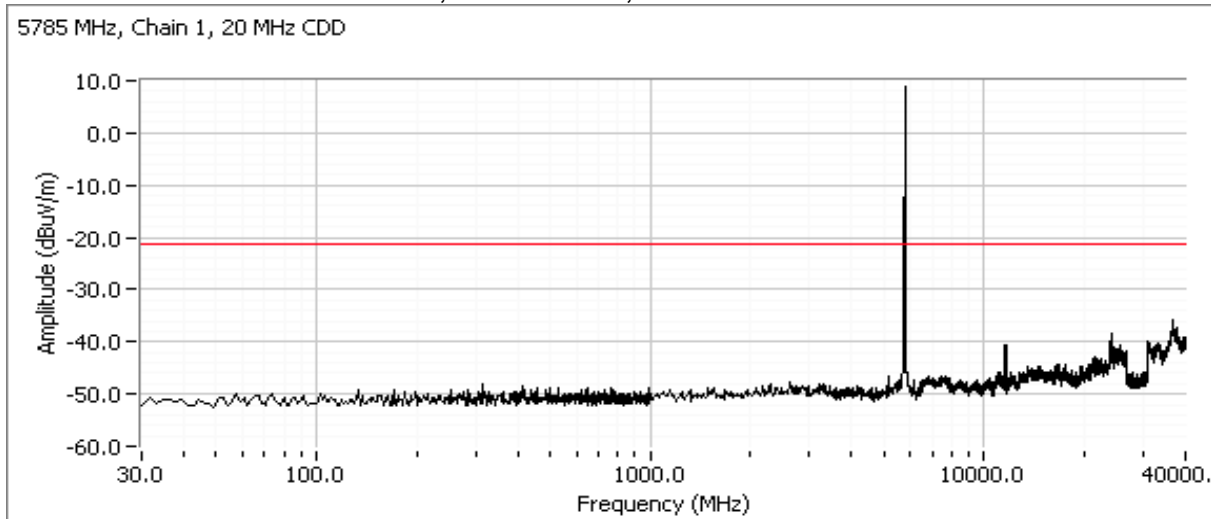
**Run #4: Out of Band Spurious Emissions**

Power Setting Per Chain			Frequency (MHz)	Limit	Result
#1	#2	#3			
			5725	-30dBc	>30 dBc
			5785	-30dBc	>30 dBc
			5825	-30dBc	>30 dBc

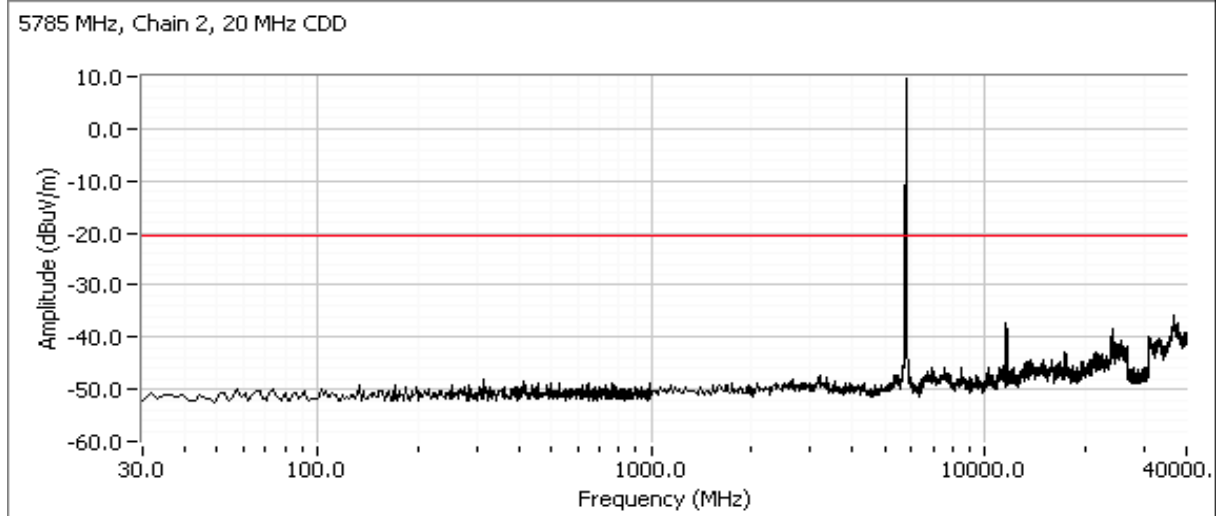
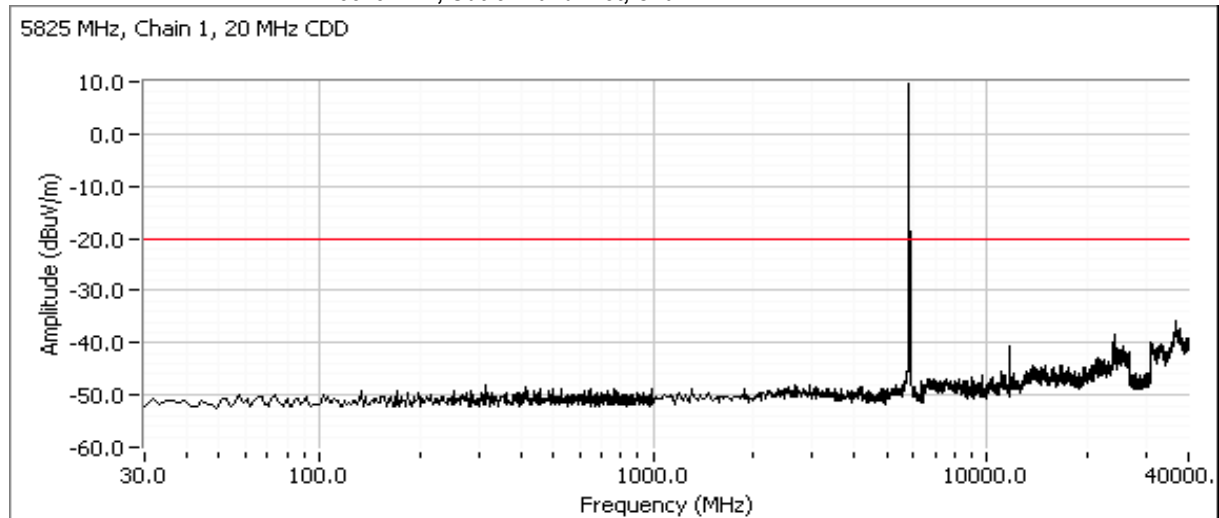
Note 1: Measured on each chain individually

**5745 MHz, Out-of-Band Plot, Chain 1**


Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**5745 MHz, Out-of-Band Plot, Chain 2**

**5785 MHz, Out-of-Band Plot, Chain 1**


Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**5785 MHz, Out-of-Band Plot, Chain 2**

**5825 MHz, Out-of-Band Plot, Chain 1**




Client: Cisco-Lynksys	Job Number: J67313
Model: WRT600N	T-Log Number: T69026
Contact: Kevin Lee	Account Manager: -
Standard: FCC 15.247 & RSS-210	Class: N/A

**5825 MHz, Out-of-Band Plot, Chain 2**
