

Applicant : Cisco-Linksys LLC
Address : 121 Theory Drive Irvine, CA 92617(USA)
Equipment Under Test : Wireless-G Broadband Router With SpeedBooster
Model : WRT54GS V7.2
Trade Name : Linksys

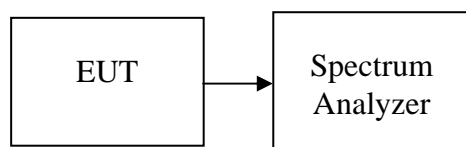
PEAK OUTPUT POWER

LIMIT

The maximum peak output power of the intentional radiator shall not exceed the following:

1. According to §15.247(b)(3), for systems using digital modulation in the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz: 1 Watt.
2. According to §15.247(b)(4), the conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST CONFIGURATION



TEST PROCEDURE

The transmitter output is connected to the Spectrum analyzer. The Spectrum analyzer is set to the peak power detection.

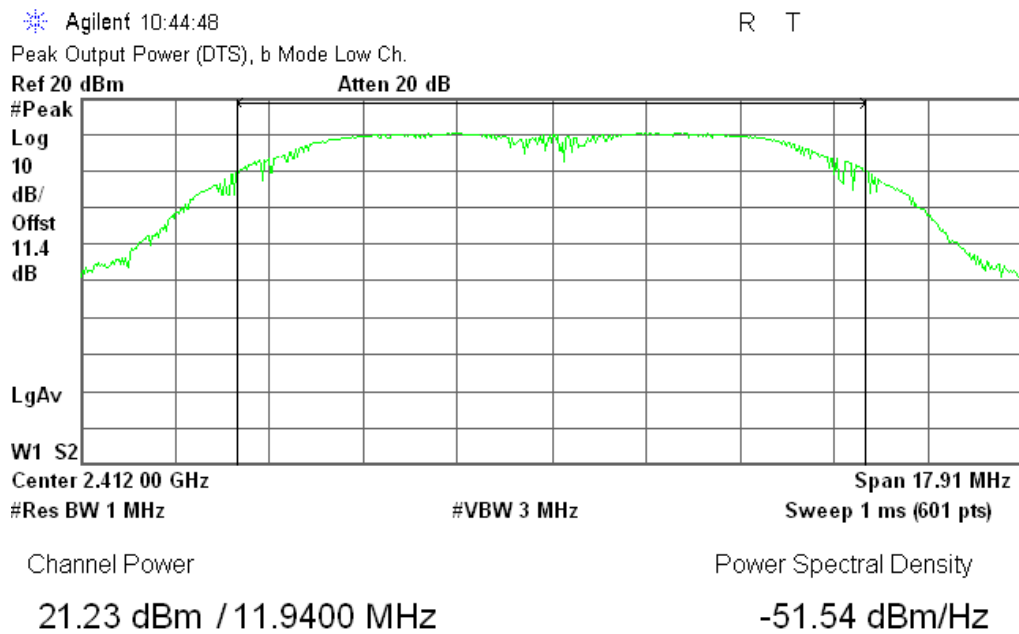
TEST RESULTS

No non-compliance noted.

Test Data

Test mode: IEEE 802.11b mode					
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
1	2412	21.23	0.1327	1.00	PASS
6	2437	21.06	0.1276		PASS
11	2462	21.30	0.1348		PASS

Peak Power (CH 1)



Peak Power (CH 6)

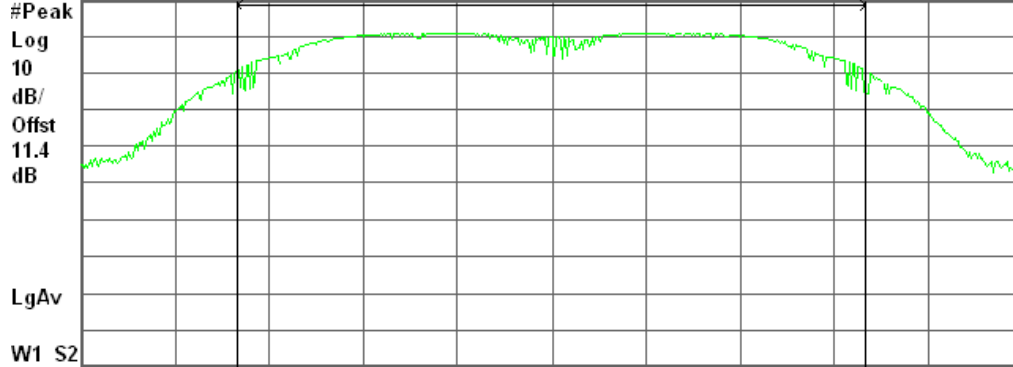
Agilent 10:59:58

R T

Peak Output Power (DTS), b Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 17.91 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

21.06 dBm / 11.9430 MHz

-50.91 dBm/Hz

Peak Power (CH 11)

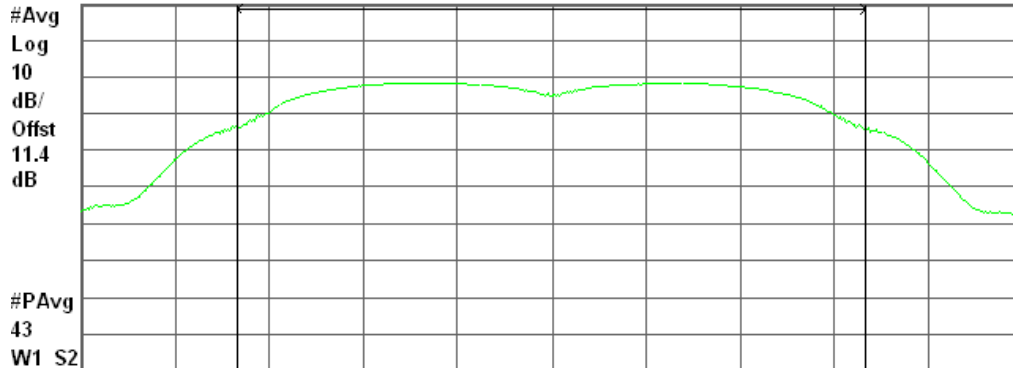
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R T

Peak Output Power (UNII), b Mode High Ch.

Ref 30 dBm

Atten 30 dB



Center 2.462 00 GHz

Span 17.95 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

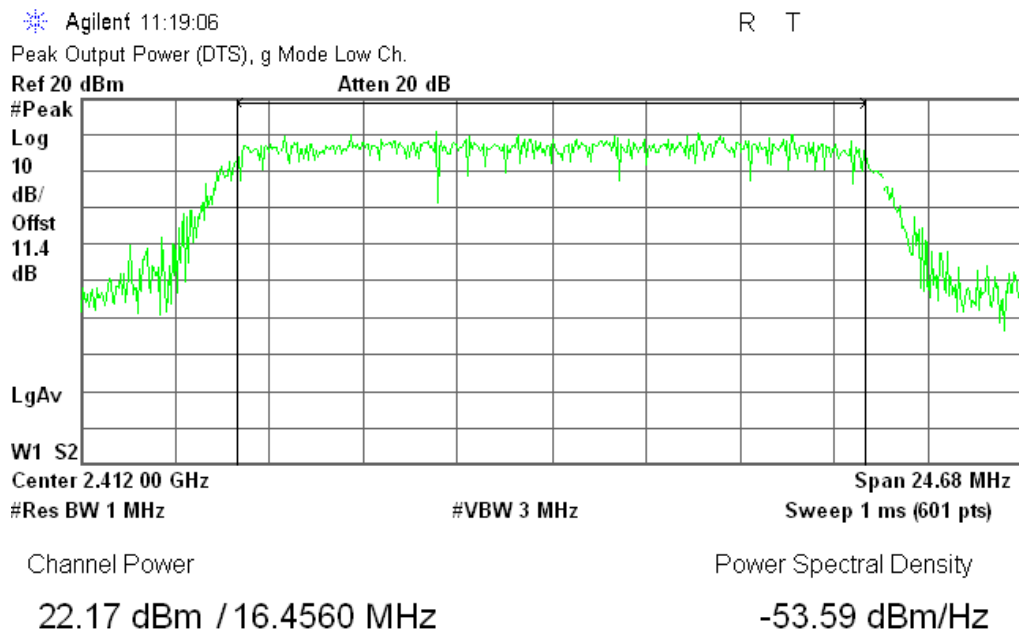
21.30 dBm / 11.9700 MHz

-53.44 dBm/Hz

Test Data

Test mode: IEEE 802.11g mode					
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
1	2412	22.17	0.1648	1.00	PASS
6	2437	21.52	0.1419		PASS
11	2462	20.80	0.1202		PASS

Peak Power (CH 1)



Peak Power (CH 6)

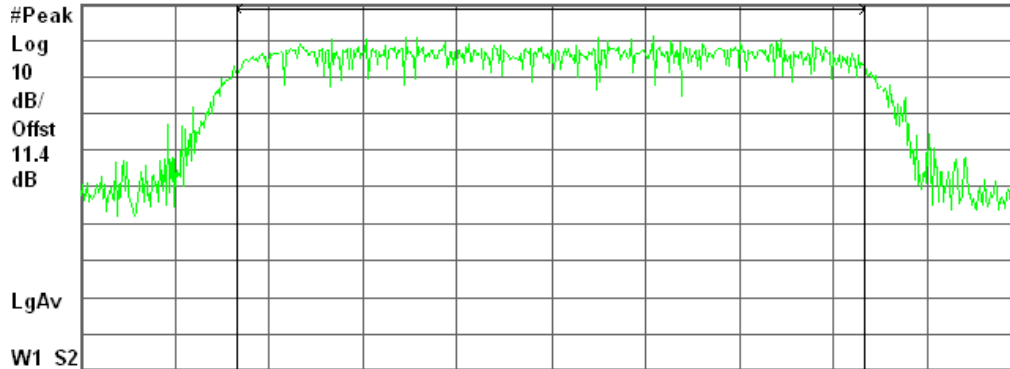
Agilent 11:26:30

R L

Peak Output Power (DTS), g Mode Mid Ch.

Ref 20 dBm

Atten 20 dB



Center 2.437 00 GHz

Span 24.69 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

21.52 dBm / 16.4580 MHz

-53.64 dBm/Hz

Peak Power (CH 11)

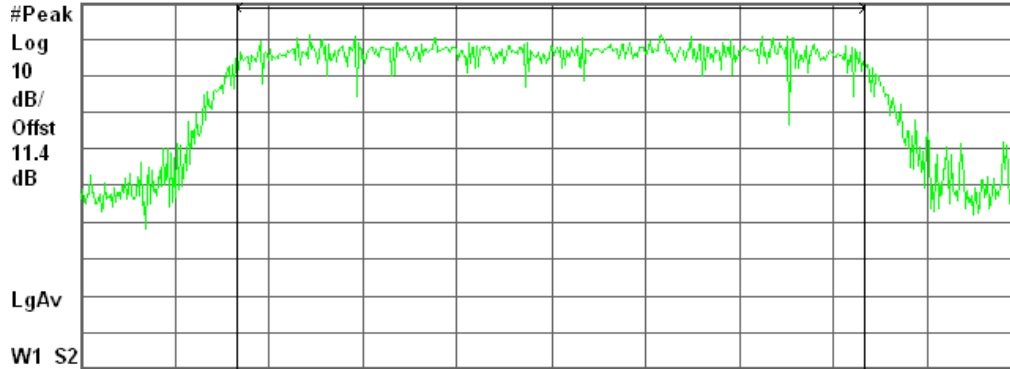
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R T

Peak Output Power (DTS), g Mode High Ch.

Ref 20 dBm

Atten 20 dB



Center 2.462 00 GHz

Span 24.69 MHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 1 ms (601 pts)

Channel Power

Power Spectral Density

20.80 dBm / 16.4570 MHz

-53.36 dBm/Hz