

Applicant : Cisco-Linksys LLC
Address : 121 Theory Drive Irvine, CA 92617(USA)
Equipment Under Test : Wireless-G Broadband Router With 4-Port Switch
Model : WRT54G V8.2
Trade Name : Linksys

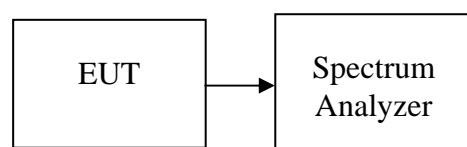
PEAK OUTPUT POWER

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.

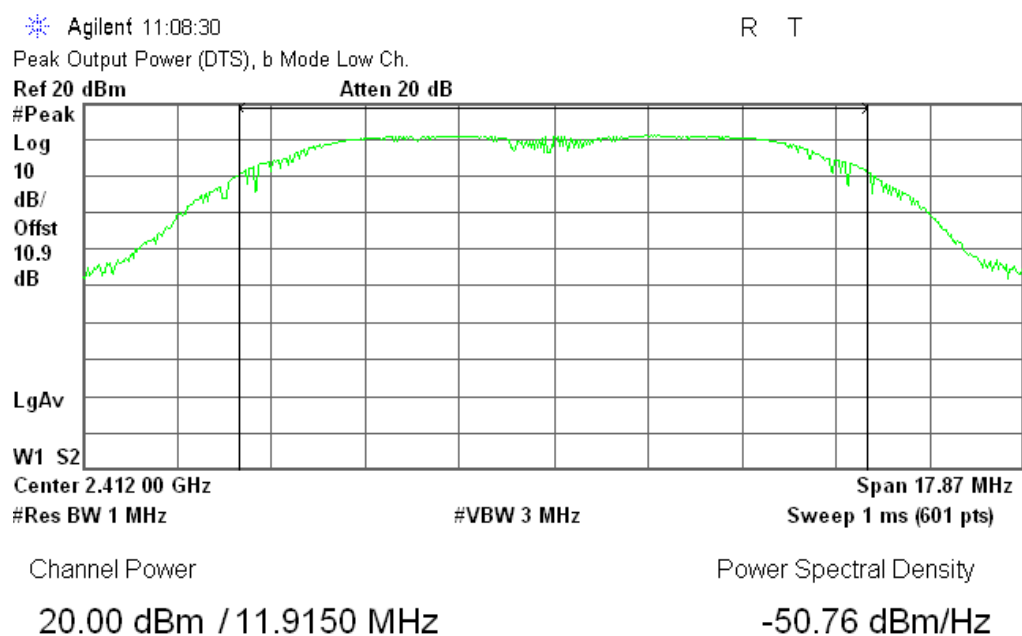
TEST RESULTS

No non-compliance noted.

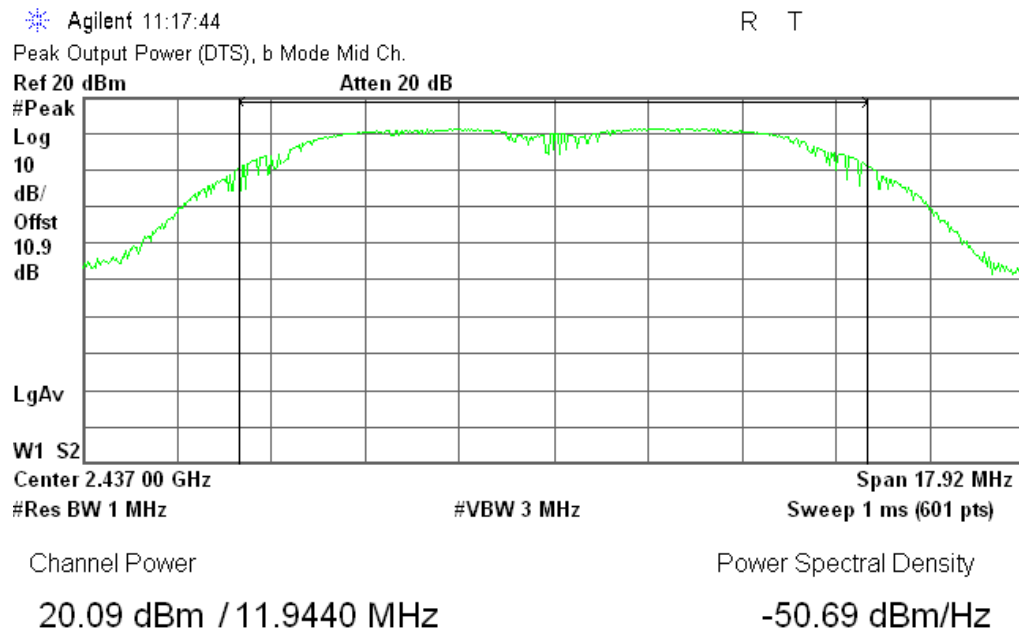
Test Data

Test mode: IEEE 802.11b mode					
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
1	2412	20.00	0.1000	1.00	PASS
6	2437	20.09	0.1020		PASS
11	2462	20.11	0.1071		PASS

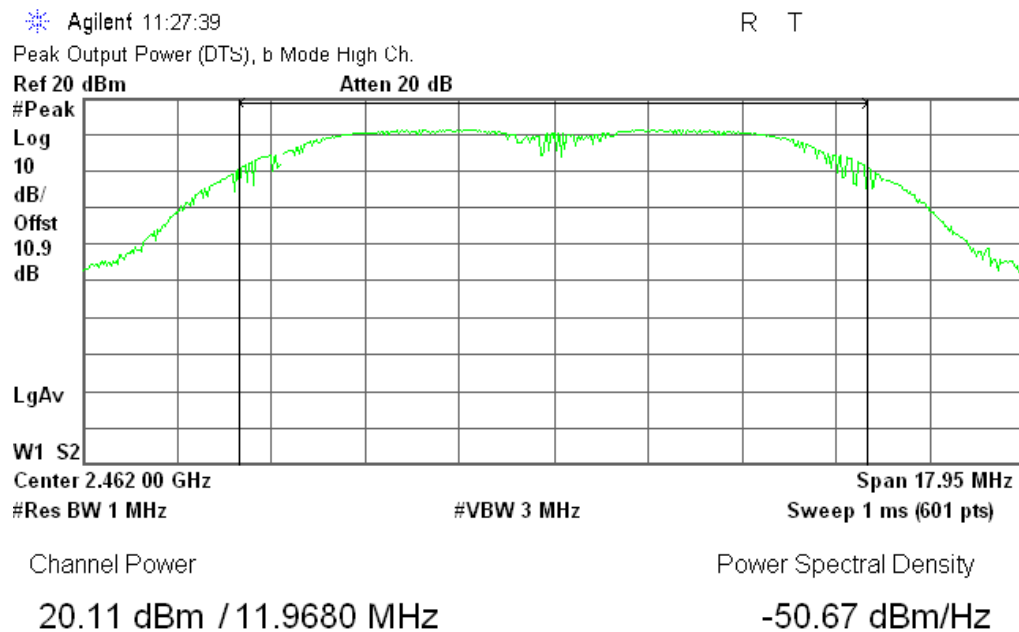
Peak Power (CH 1)



Peak Power (CH 6)



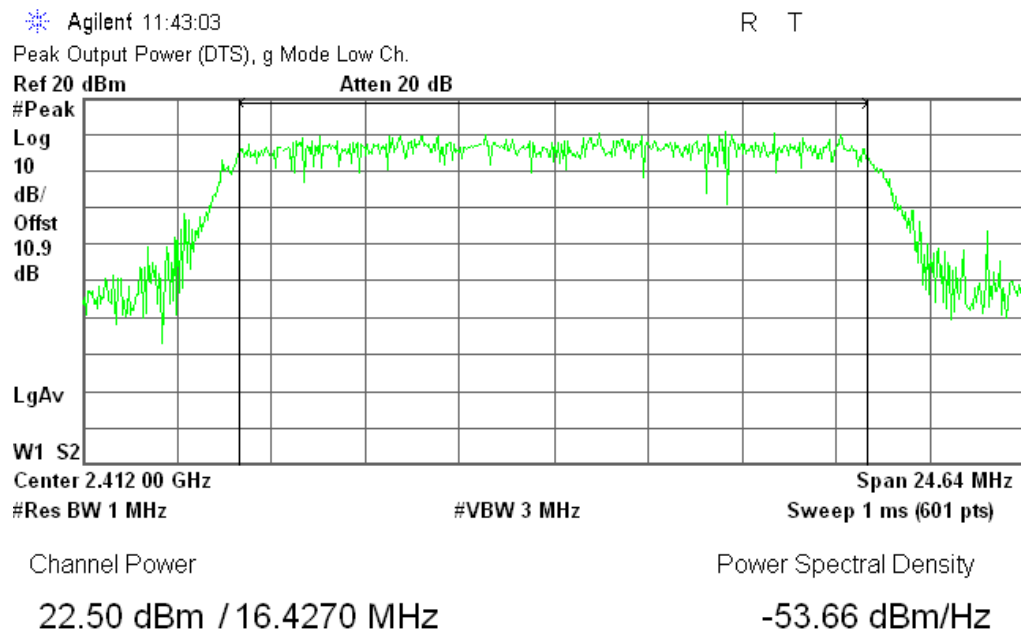
Peak Power (CH 11)



Test Data

Test mode: IEEE 802.11g mode					
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
1	2412	22.50	0.1778	1.00	PASS
6	2437	22.24	0.1674		PASS
11	2462	21.69	0.1475		PASS

Peak Power (CH 1)



Peak Power (CH 6)

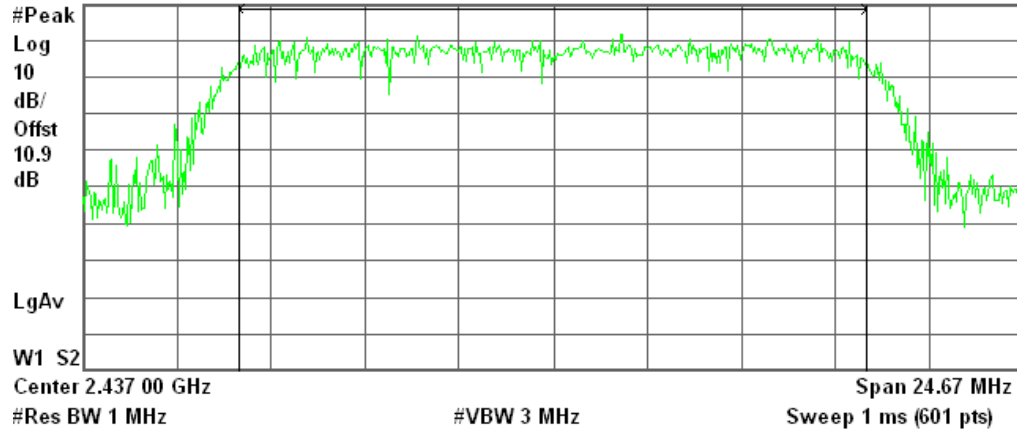
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R T

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

Ref 20 dBm

Atten 20 dB



Channel Power

Power Spectral Density

22.24 dBm / 16.4490 MHz

-52.92 dBm/Hz

Peak Power (CH 11)

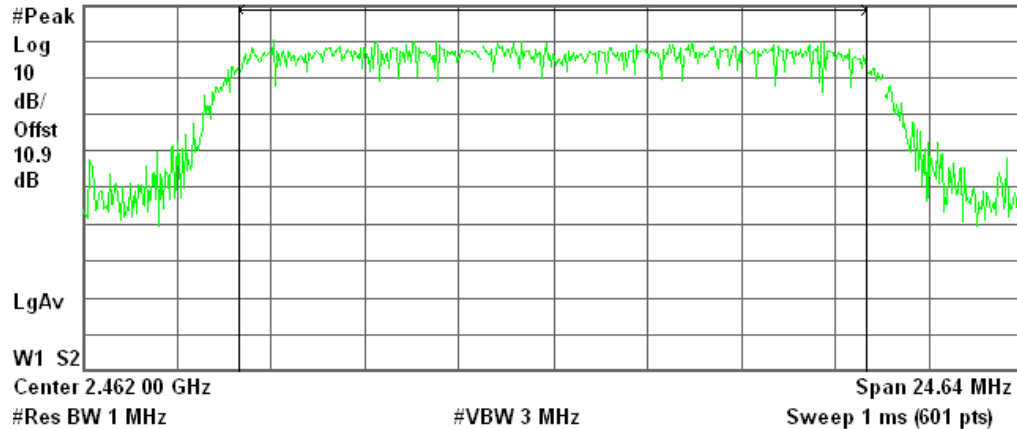
✱ Agilent 13:14:24

R T

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

Ref 20 dBm

Atten 20 dB



Channel Power

Power Spectral Density

21.69 dBm / 16.4250 MHz

-53.46 dBm/Hz