

4.9 GHz

**AIR-RM1520A-A-K9 802.11a Radio Module
(Addendum)**

FCC ID: LDK102063

Against the following Specifications:

90.1215

Cisco Systems

170 West Tasman Drive

San Jose, CA 95134

Test Report

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Approved By:

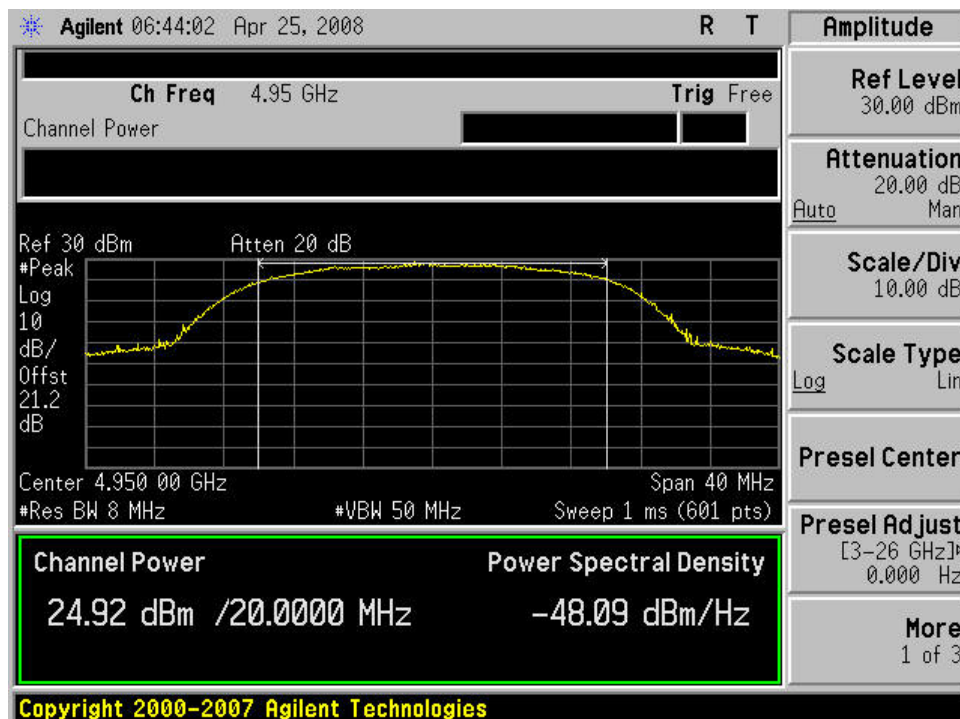
Title:

Peak Output Power/Power Spectral Density

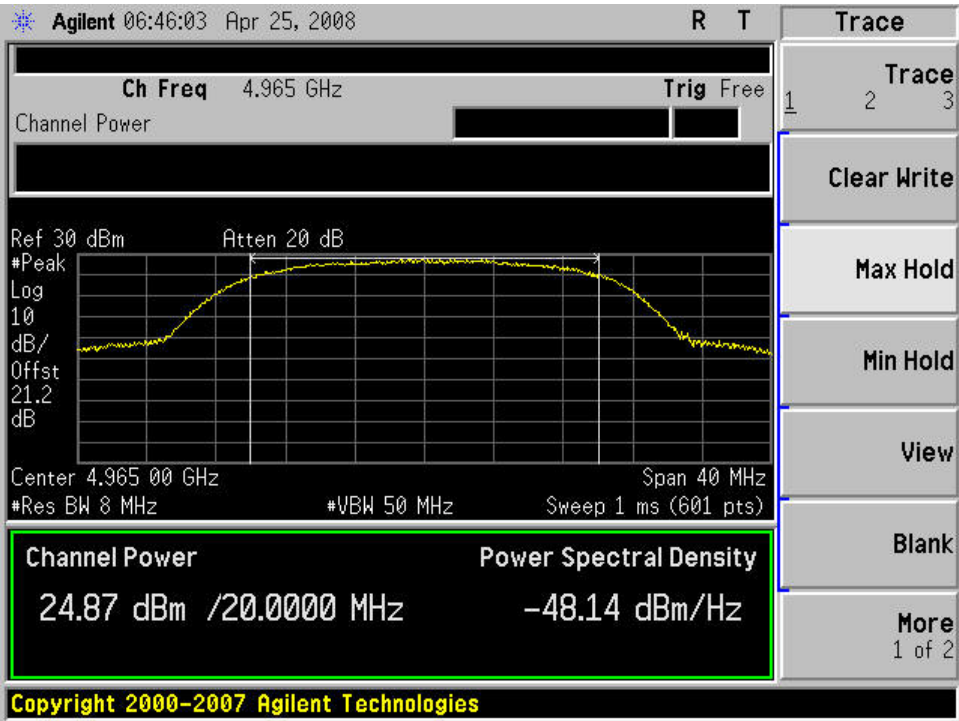
90.1215: The transmitting power of stations operating in the 4940–4990 MHz band must not exceed 33 dBm for a 20MHz high power device using antennas up to 9dBi gain. High power devices are also limited to a peak power spectral density of 21 dBm per one MHz. If transmitting antennas of directional gain greater than 9 dBi are used, both the peak transmit power and the peak power spectral density should be reduced by the amount in decibels that the directional gain of the antenna exceeds 9 dBi. However, high power point-to-point or point-to-multipoint operation (both fixed and temporary-fixed rapid deployment) may employ transmitting antennas with directional gain up to 26 dBi without any corresponding reduction in the transmitter power or spectral density. Corresponding reduction in the peak transmit power and peak power spectral density should be the amount in decibels that the directional gain of the antenna exceeds 26 dBi.

Frequency (MHz)	Data Rate (Mbps)	Antenna Gain (dBi)	Peak Power (dBm)	Limit (dBm)	Margin (dB)
4950	36	8,14,17	24.92	33.0	8.08
4965	36	8,14,17	24.87	33.0	8.13
4980	36	8,14,17	24.90	33.0	8.10

PEAK POWER, 4950 MHz, 36 Mbps, 20 dBm



PEAK POWER, 4965 MHz, 36 Mbps, 20 dBm



PEAK POWER, 4980 MHz, 36 Mbps, 20 dBm

