Title: Conducted Test Setup

Appendix B: Emission Test Results

Testing Laboratory: Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134, USA

Radiated Spurious Emissions

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

> Using Vasona, configure the spectrum analyzer as shown below (be sure to enter all losses between the transmitter output and the spectrum analyzer). Place the radio in continuous transmit mode.

Span:	1GHz – 18 GHz
Reference Level:	80 dBuV
Attenuation:	10 dB
Sweep Time:	Coupled
Resolution Bandwidth:	1MHz
Video Bandwidth:	1 MHz for peak, 10 Hz for average
Detector:	Peak

Maximize Turntable (find worst case table angle), Maximize Antenna (find worst case height)
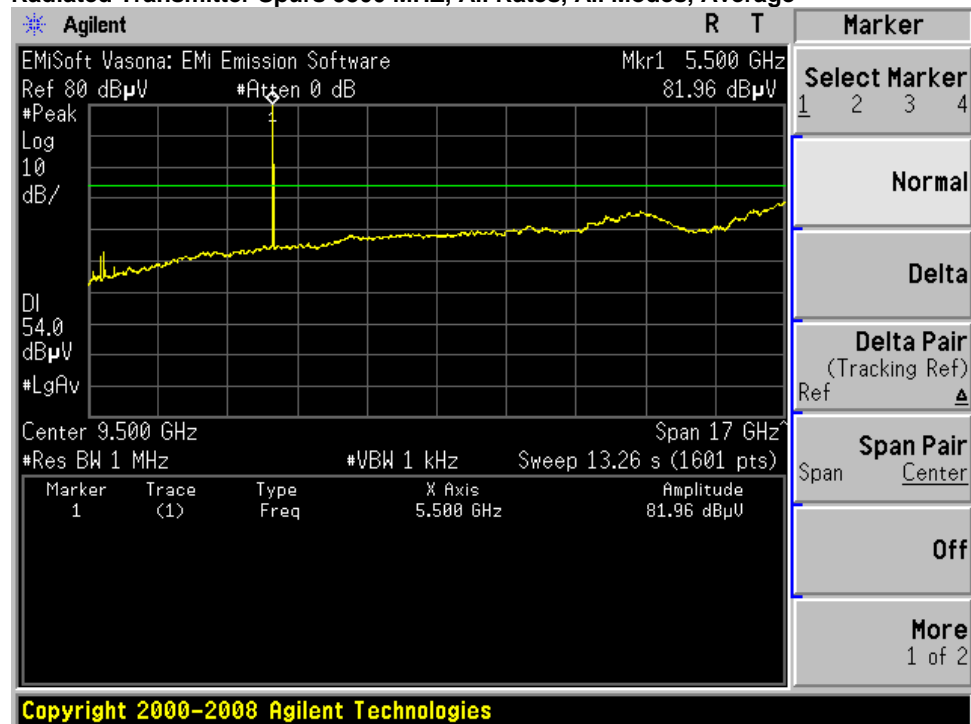
Save 2 plots: 1) Average Plot (Vertical and Horizontal), Limit= 54dBuV @3m
                 2) Peak plot (Vertical and Horizontal), Limit = 74dBuV @3m

> Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands.
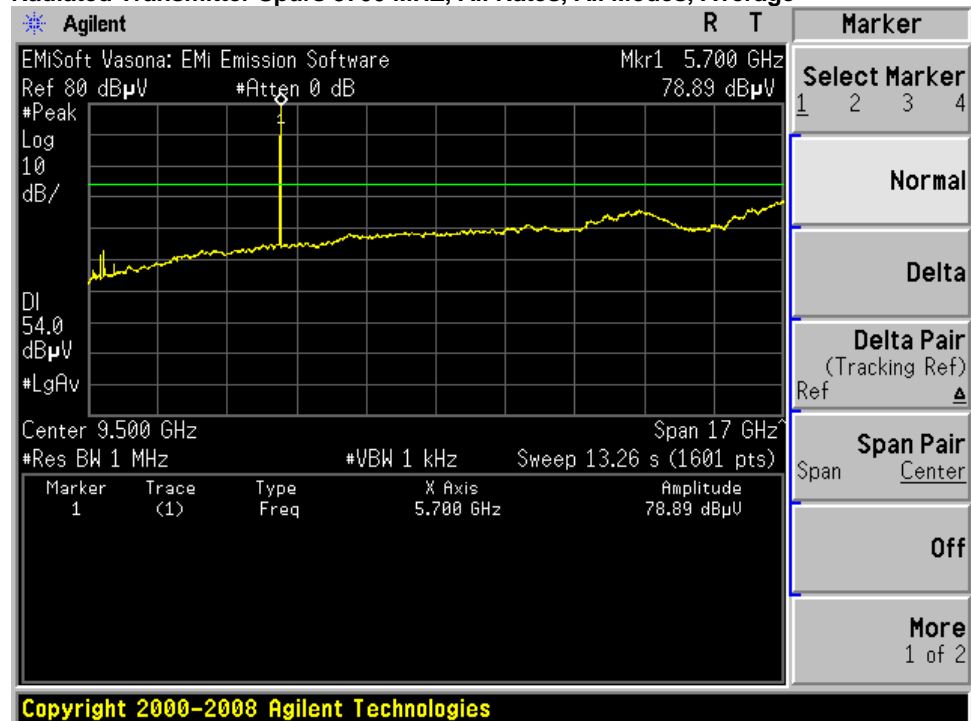
This report represents the worst case data for all supported operating modes and antennas. There are no measurable emissions above 18 GHz.

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Transmitter Radiated Spurious Emissions

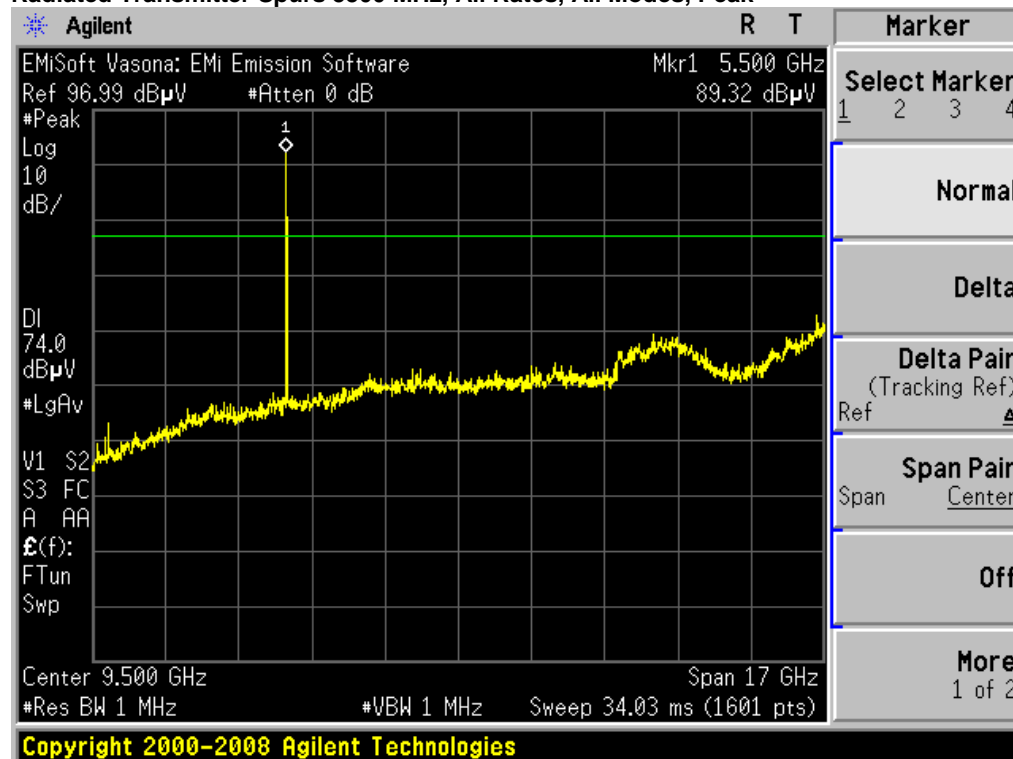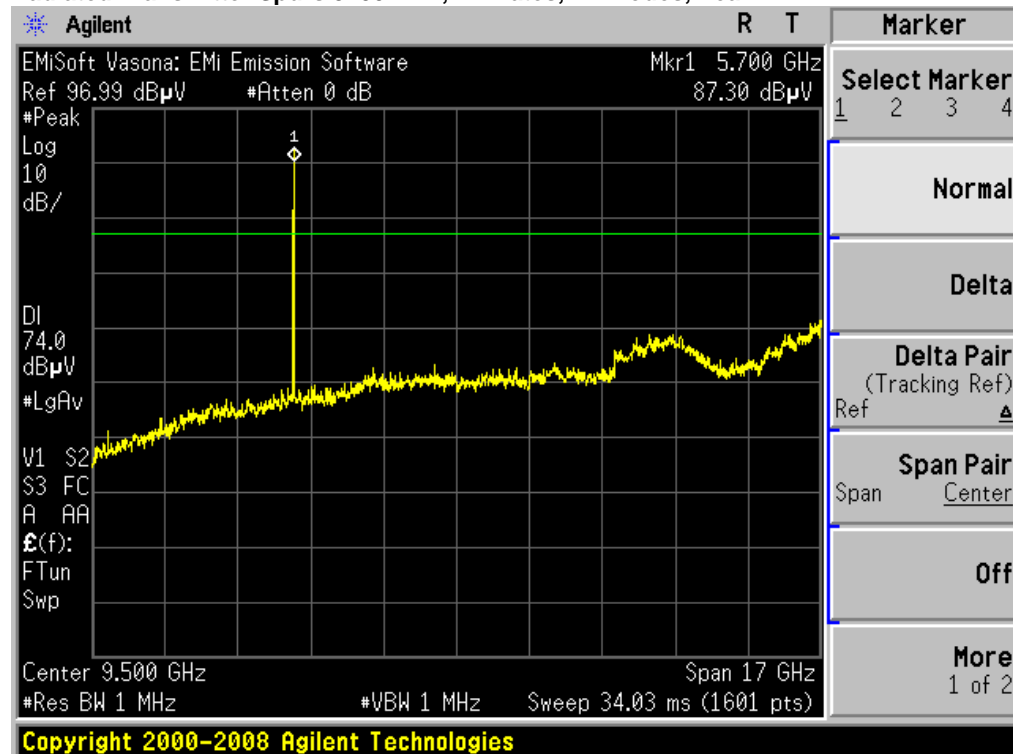**Radiated Transmitter Spurs 5500 MHZ, All Rates, All Modes, Average**

Radiated Transmitter Spurs 5700 MHZ, All Rates, All Modes, Average

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Radiated Transmitter Spurs 5500 MHz, All Rates, All Modes, Peak

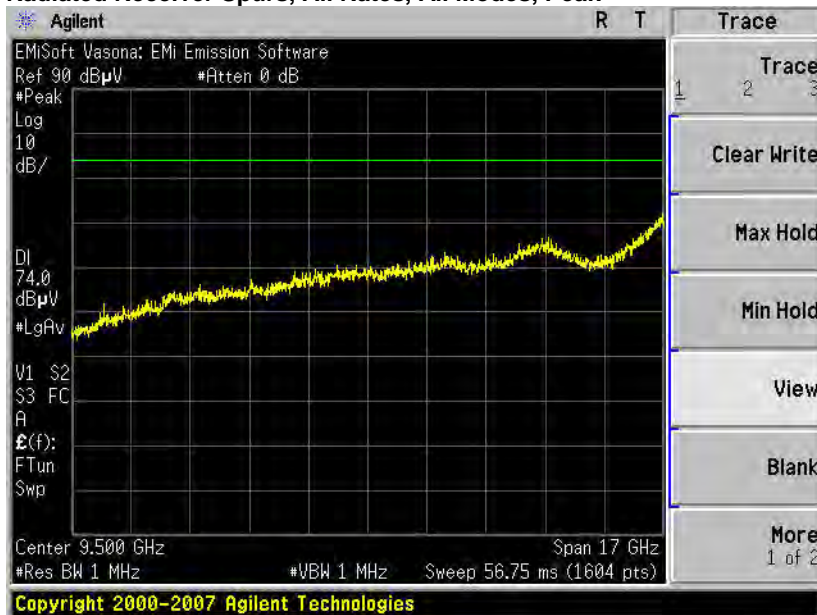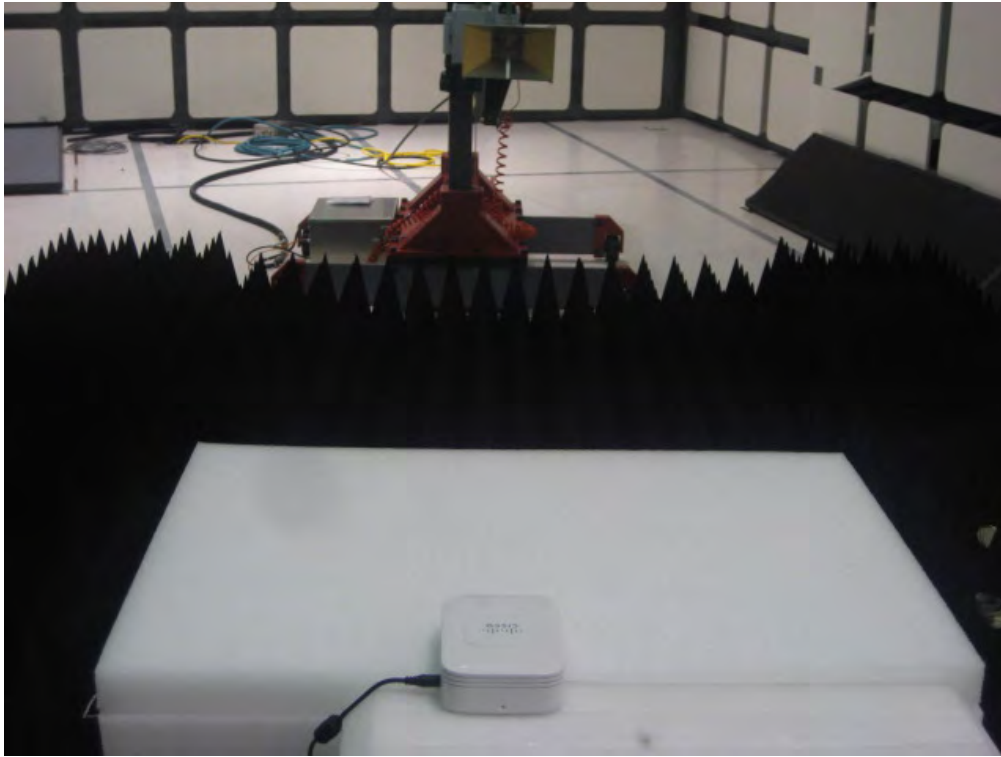**Radiated Transmitter Spurs 5700 MHz, All Rates, All Modes, Peak**

Receiver Radiated Spurious Emissions

Radiated Receiver Spurs, All Rates, All Modes, Average

Radiated Receiver Spurs, All Rates, All Modes, Peak

Radiated Test Setup