

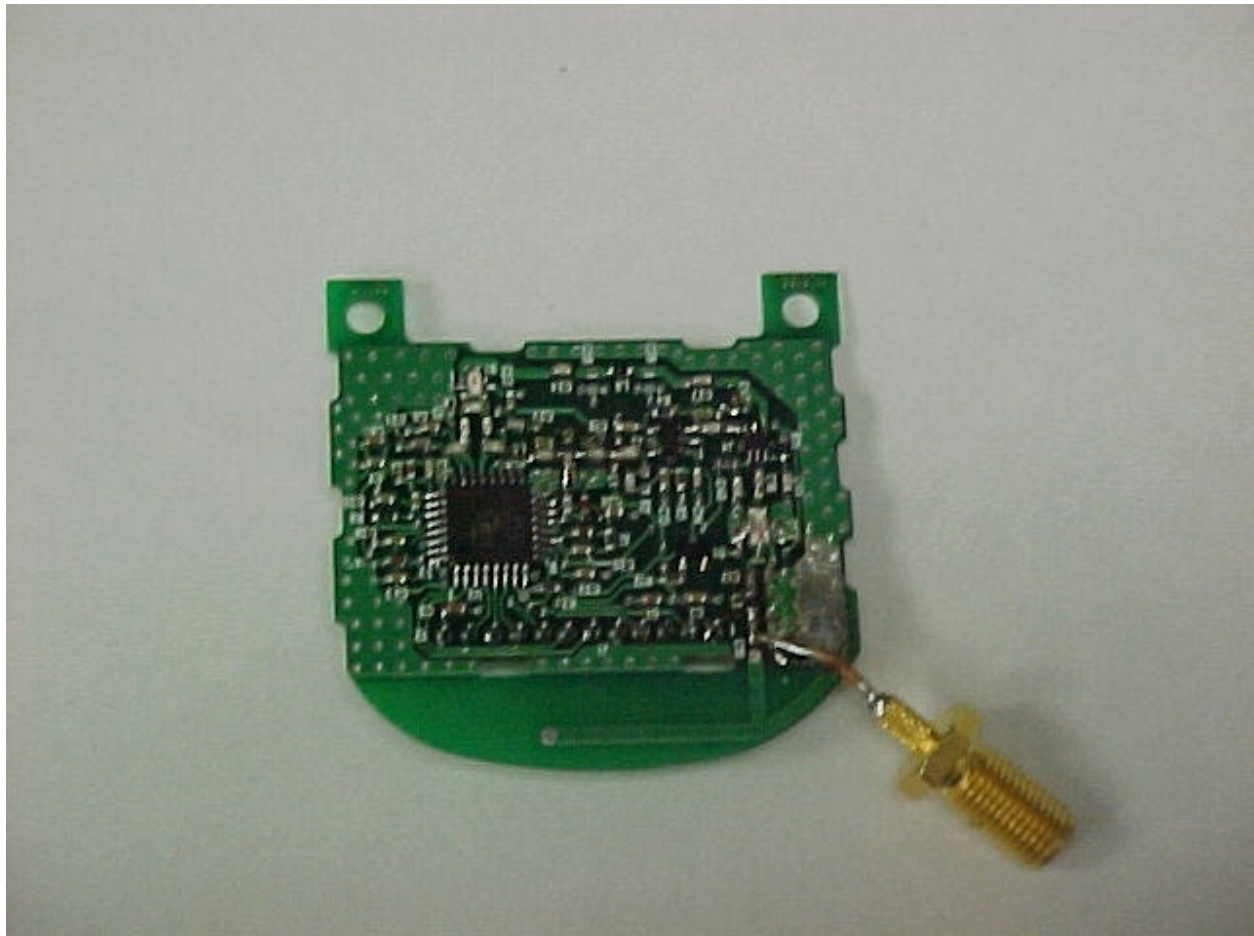
Mad Catz X-box Game controller

2400-2483.5 MHz FCC Part 15.247 transceiver

Uses Digital Modulation (not Frequency Hopping)

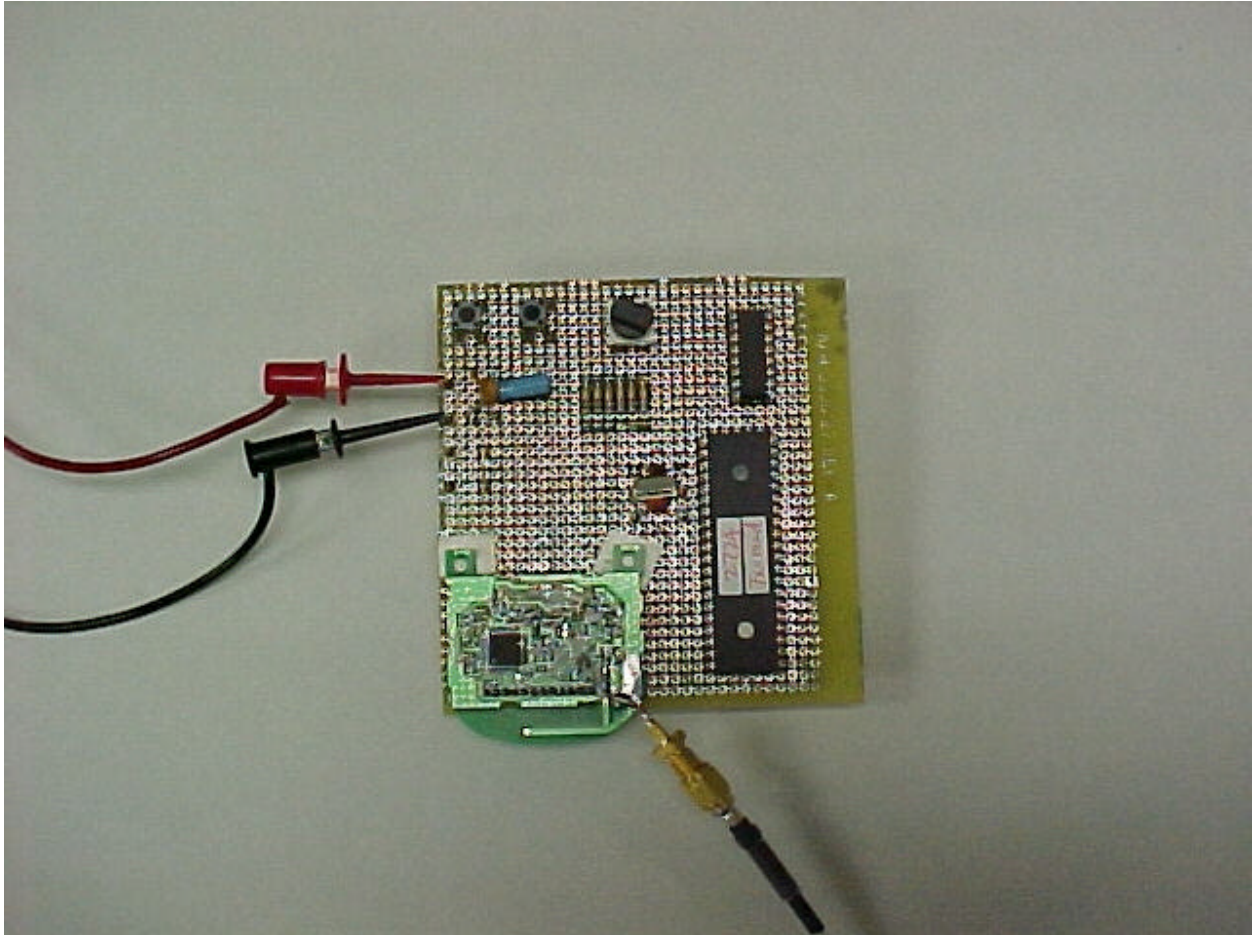
Channel	f (MHz)
1	2408.448
2	2414.592
3	2420.736
4	2426.880
5	2433.024
6	2439.168
7	2445.312
8	2451.456
9	2457.600
10	2463.744
11	2469.888
12	2476.032

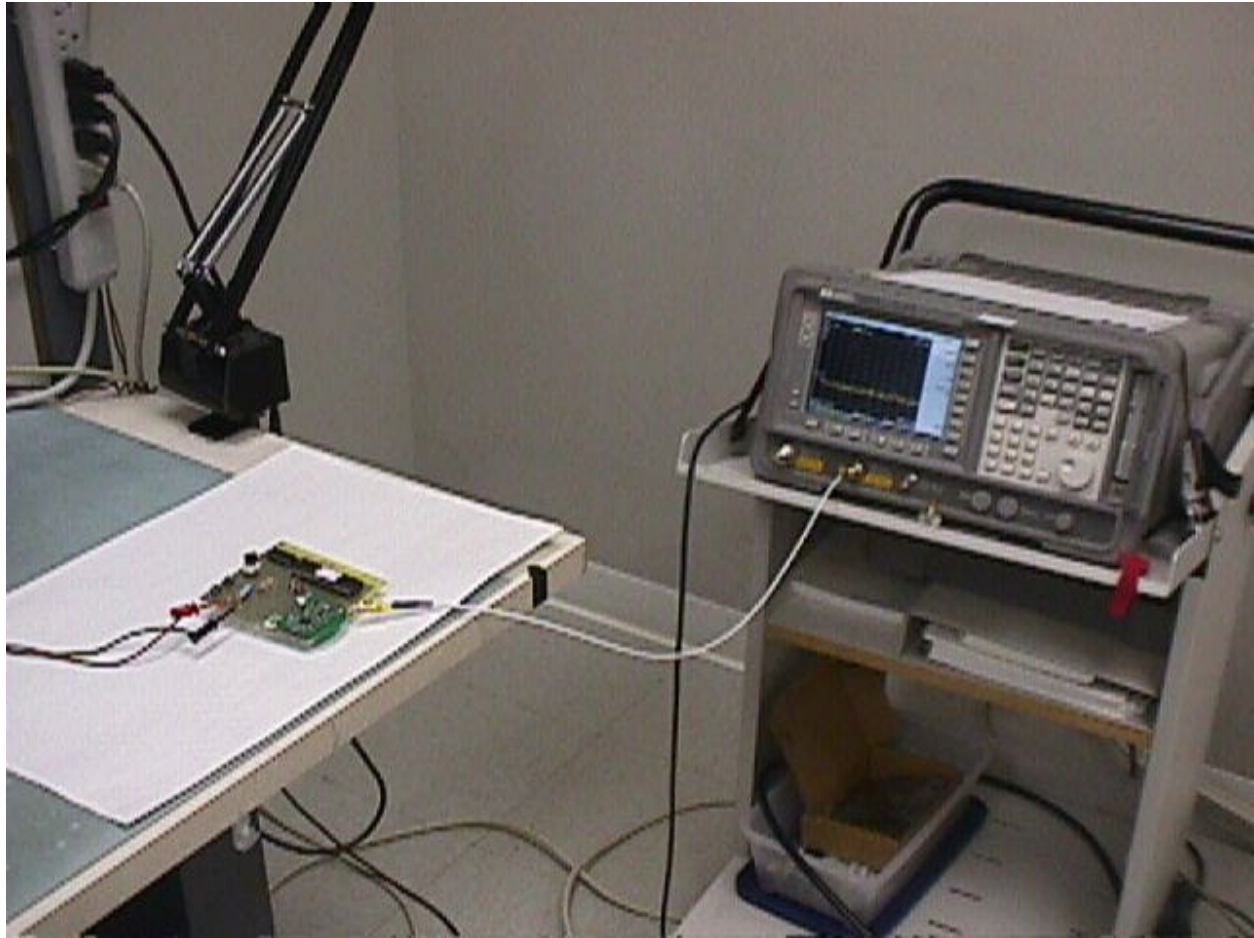
Mad Catz transceiver board – onboard antenna disconnected, external SMA connector added for conducted measurements.



Mad Catz transceiver board and external controller board.

4.8 V supply voltage = maximum Handset battery pack voltage (3, 1.5V batteries). The Base is regulated at 3.3V.

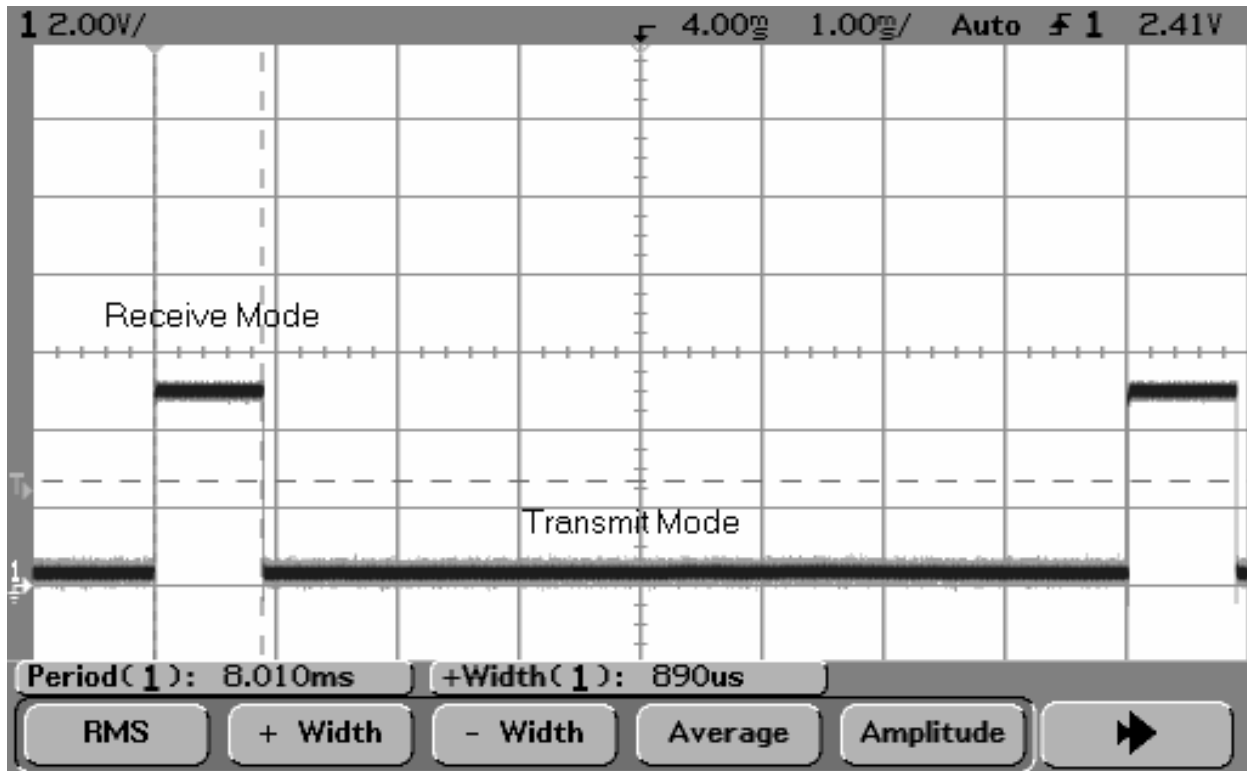




ALL MEASUREMENTS USE: E4407B Spectrum Analyzer (Calibration due Oct 28, 2003).

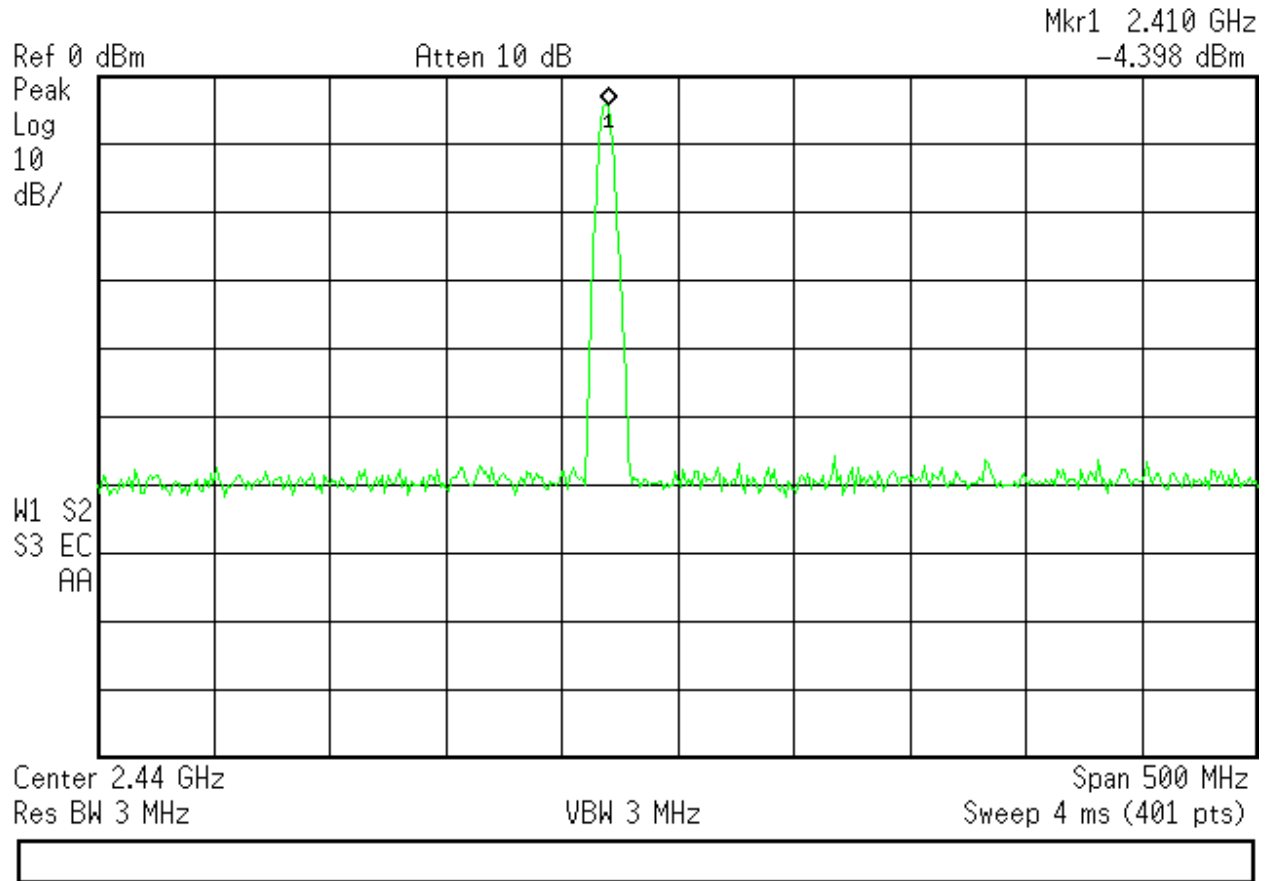
Cable Loss = 1.6 dB at 2.44 GHz.

Measurements performed with a Transmit Mode duty cycle of 90%. Must switch back to Receive mode to re-lock the PLL.



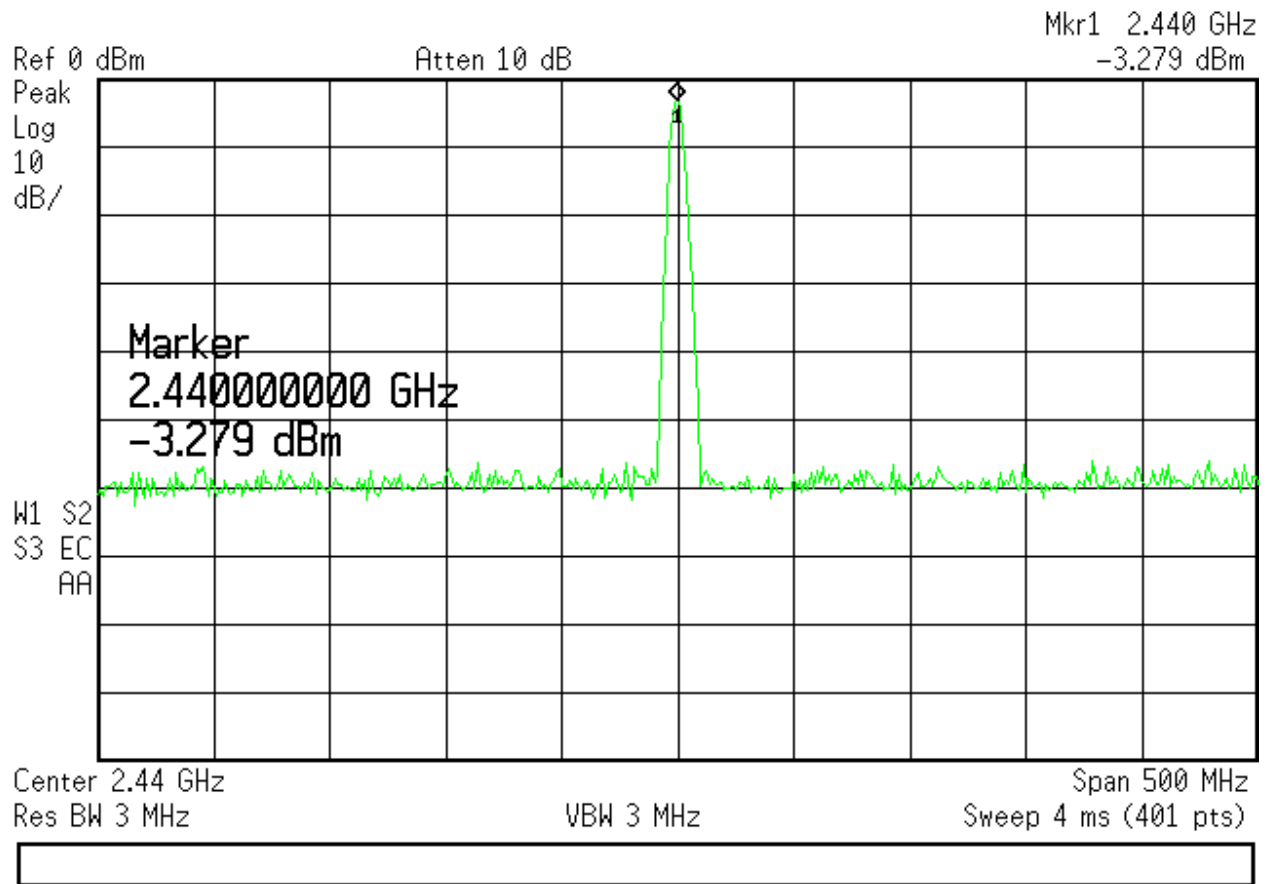
Fundamental power, Channel 1:

Agilent 17:22:12 May 6, 2003



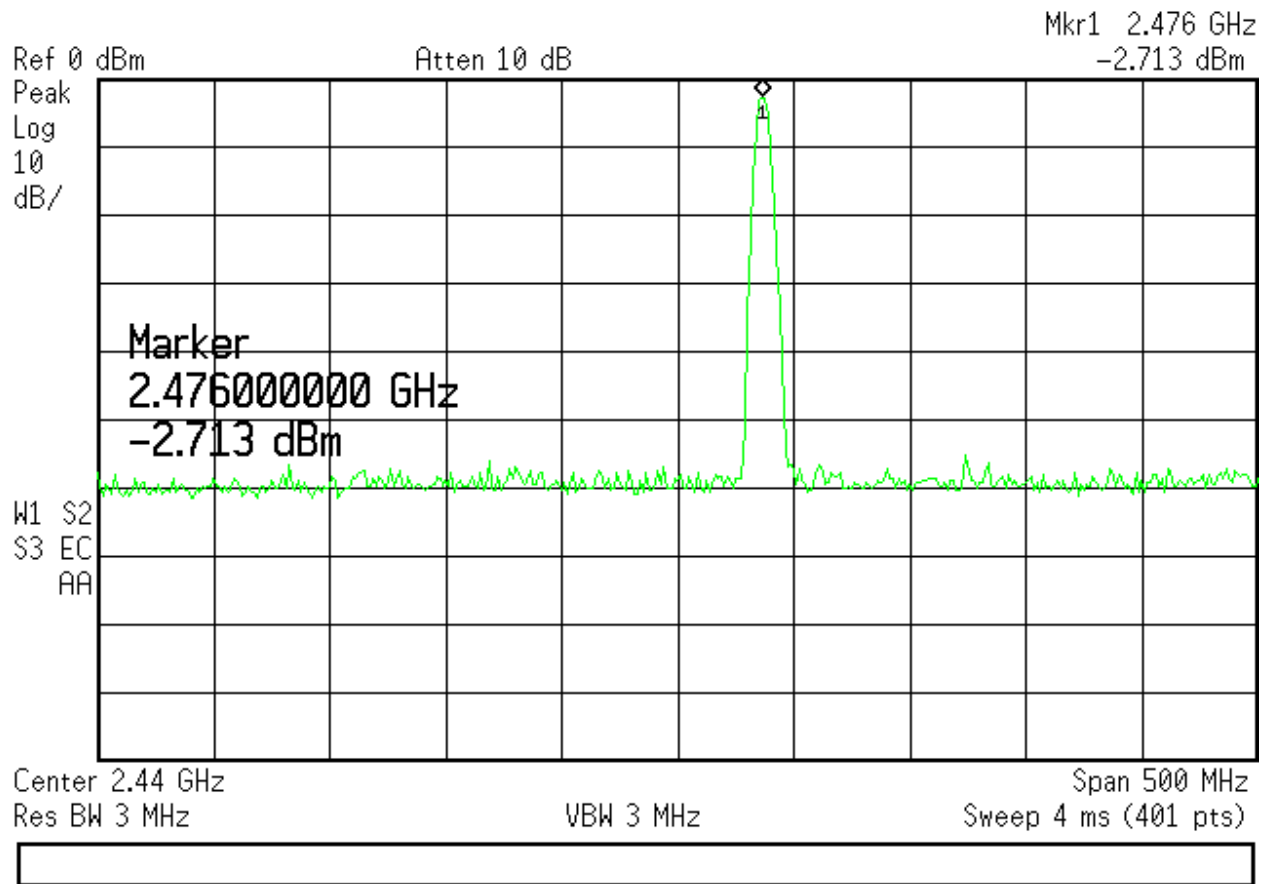
Fundamental power, Channel 6:

\* Agilent 17:22:41 May 6, 2003



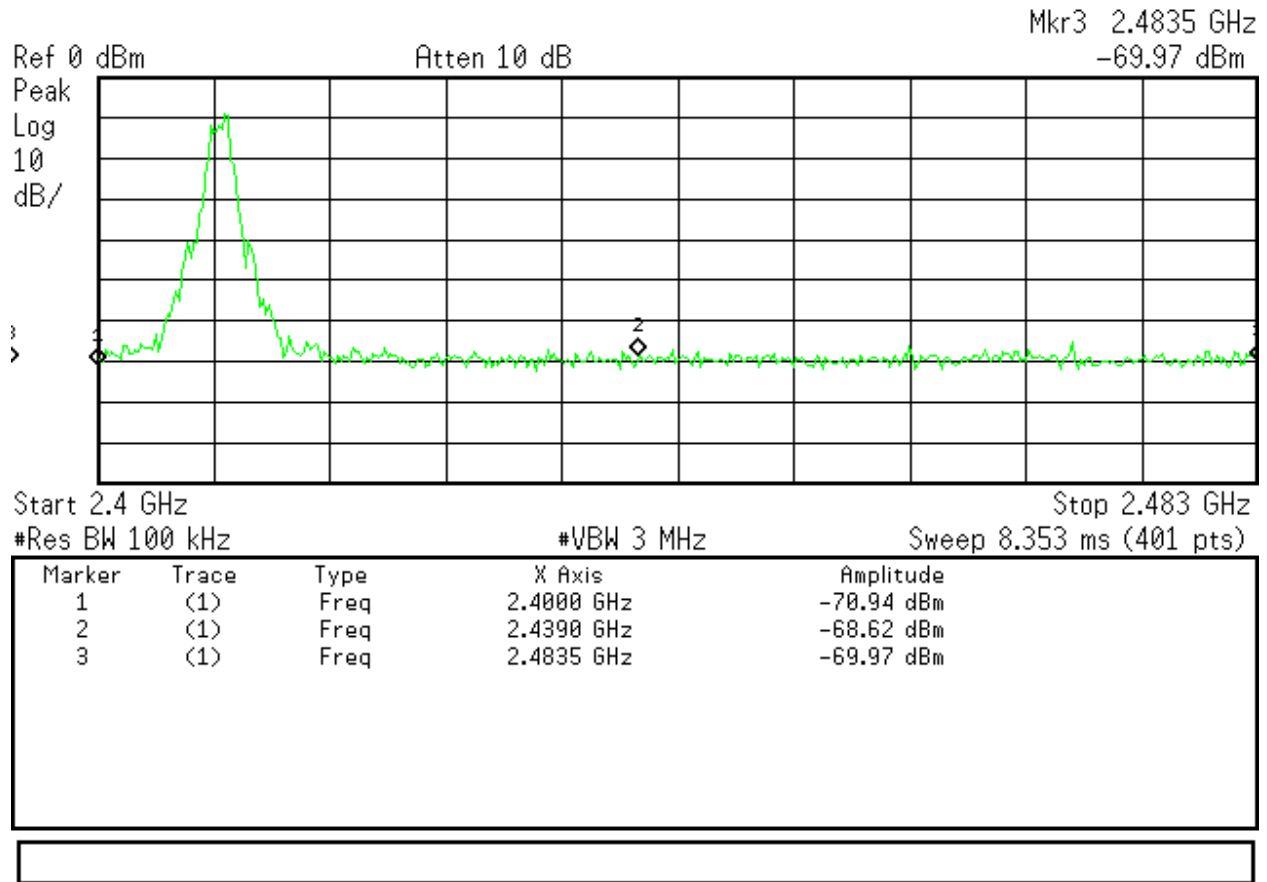
Fundamental power, Channel 12:

\* Agilent 17:23:11 May 6, 2003



Part 15.247 (c): Channel 1, Spurious levels at band edges > 20 dBc

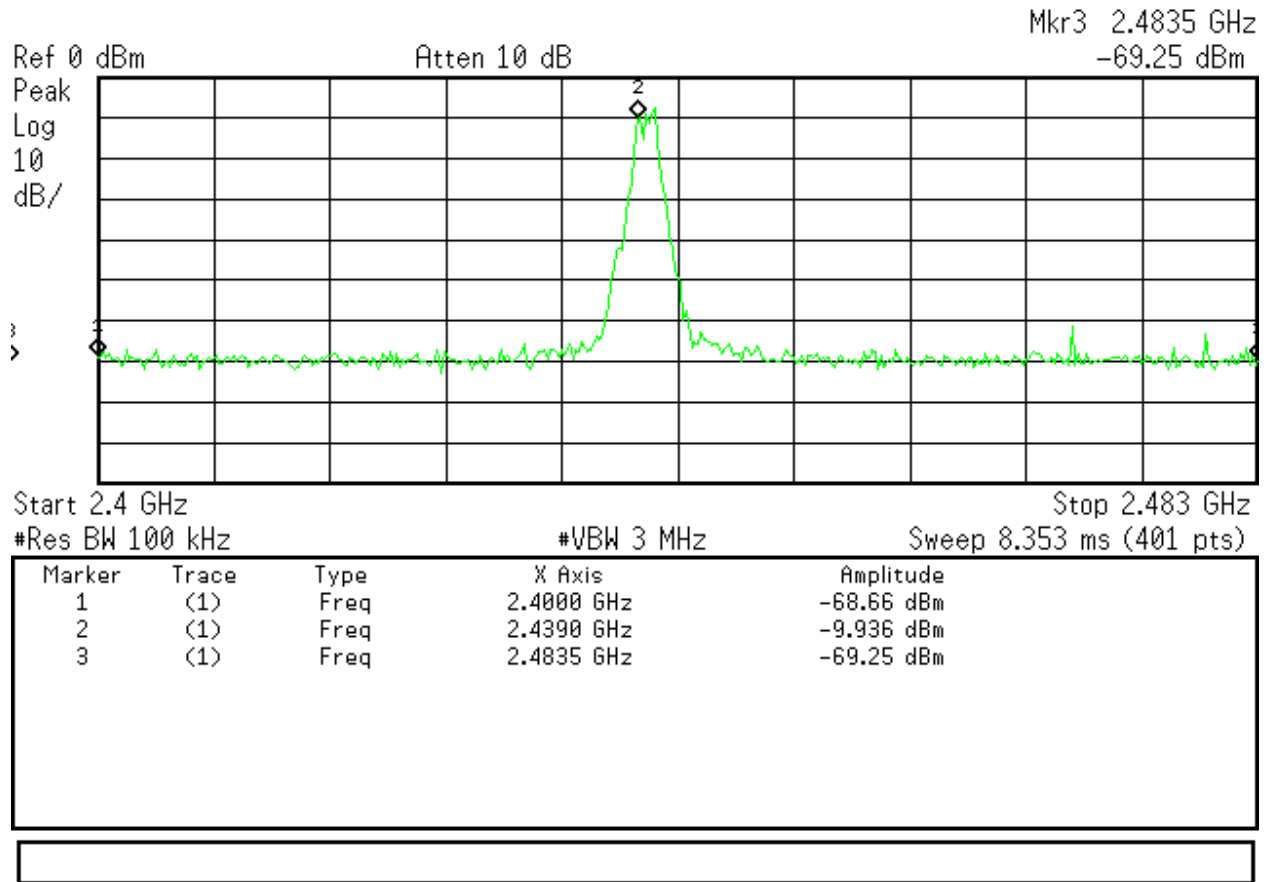
Agilent 12:45:06 Apr 24, 2003





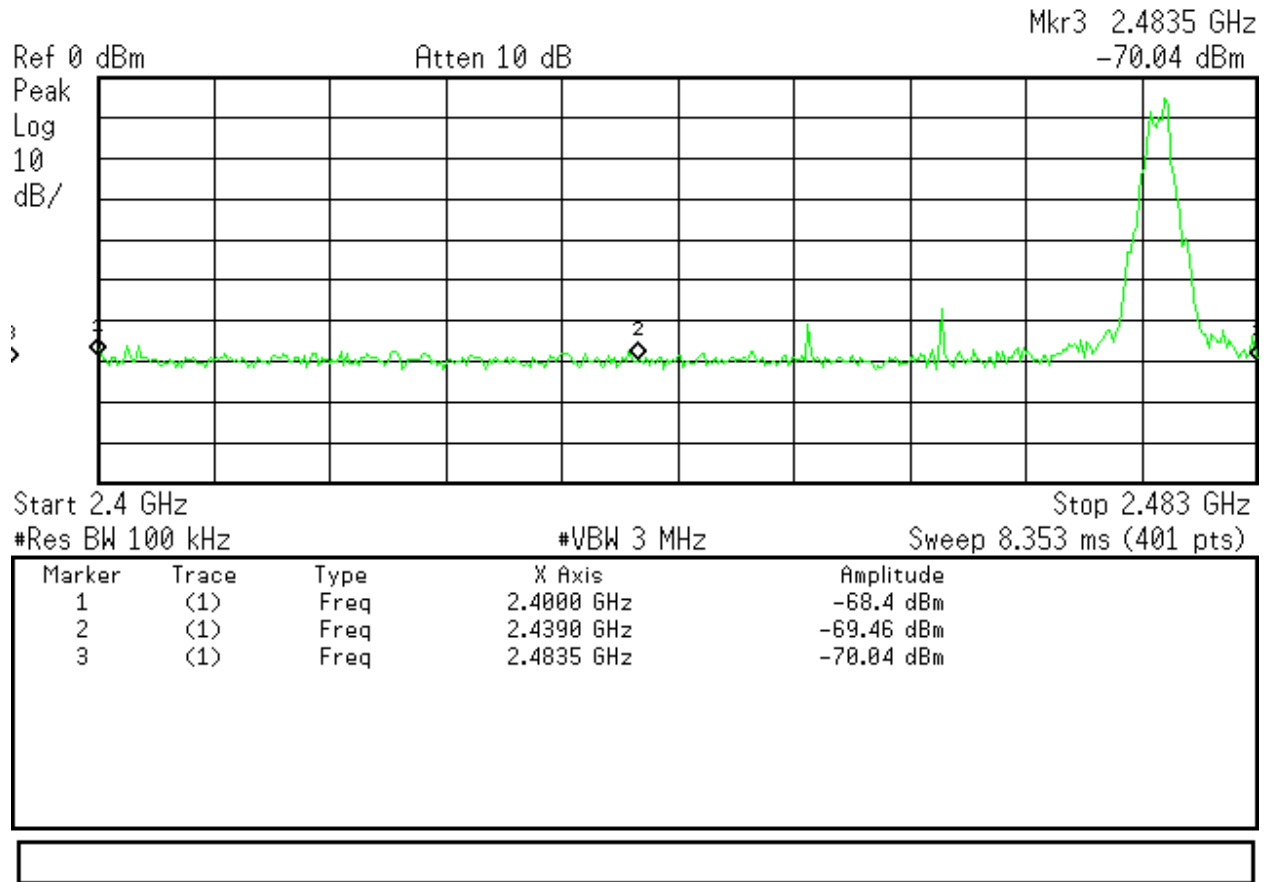
Part 15.247 (c): Channel 6, Spurious levels at band edges > 20 dBc

Agilent 12:45:37 Apr 24, 2003



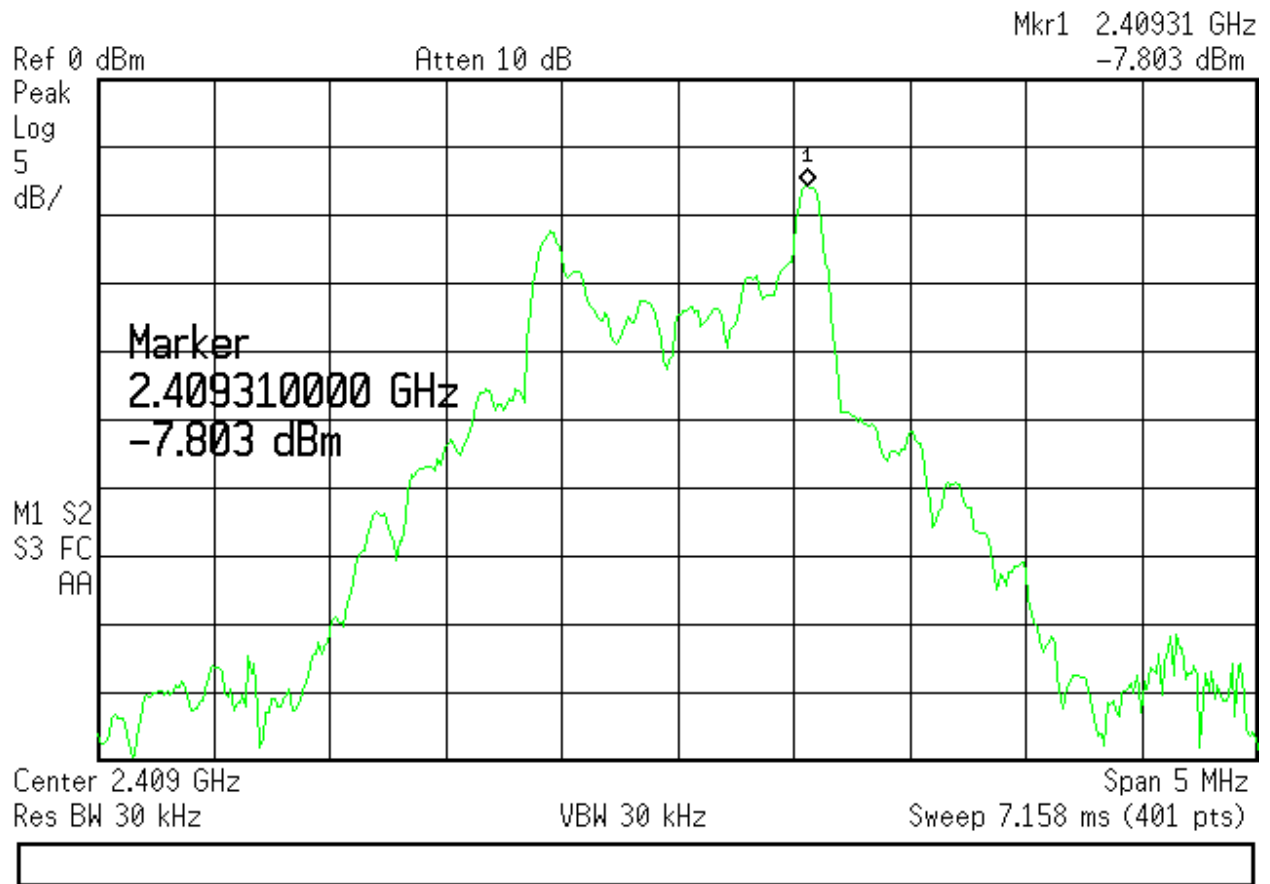
Part 15.247 (c): Channel 12, Spurious levels at band edges > 20 dBc

Agilent 12:46:38 Apr 24, 2003



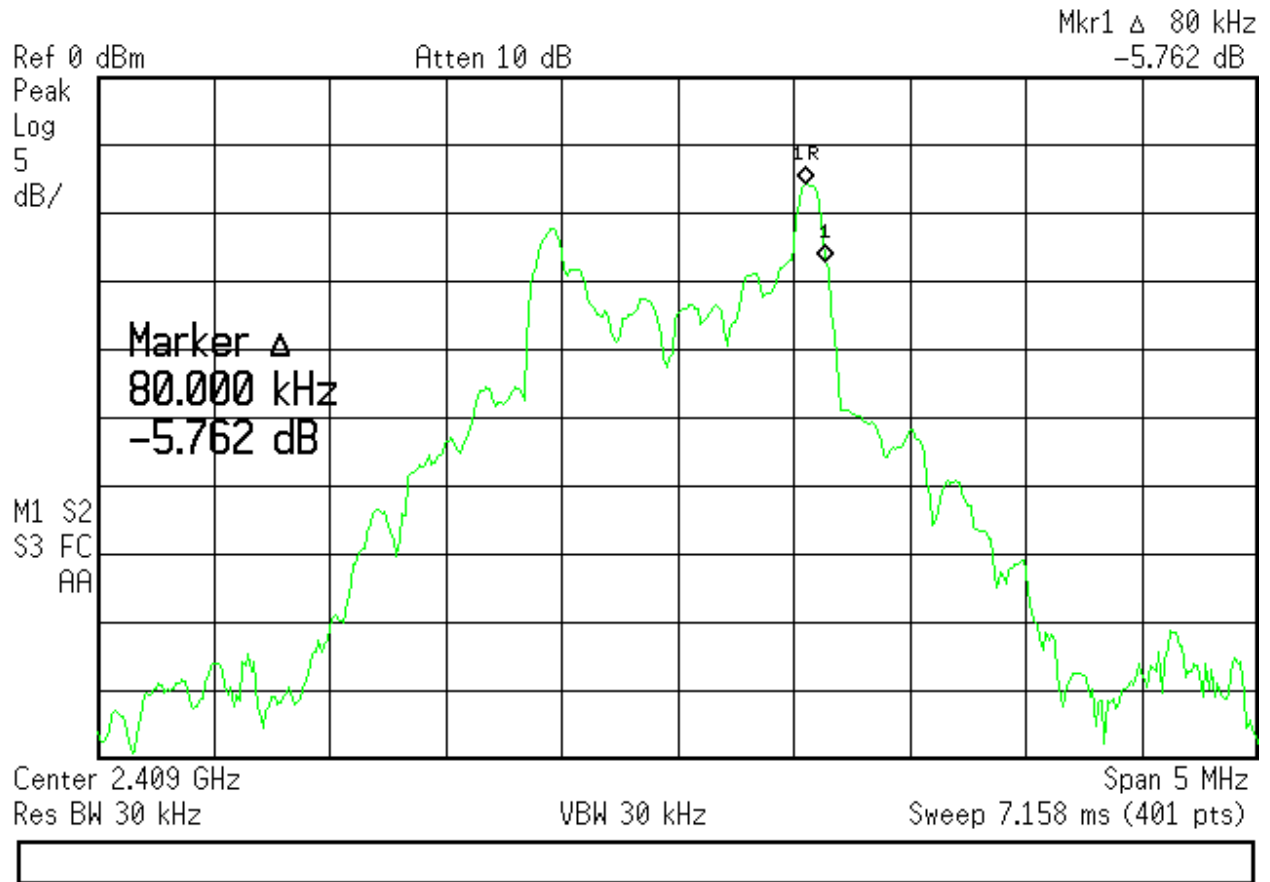
Part 15.247 (a) (2): Channel 1, 6 dB bandwidth > 500 kHz

Agilent 12:33:58 Apr 24, 2003



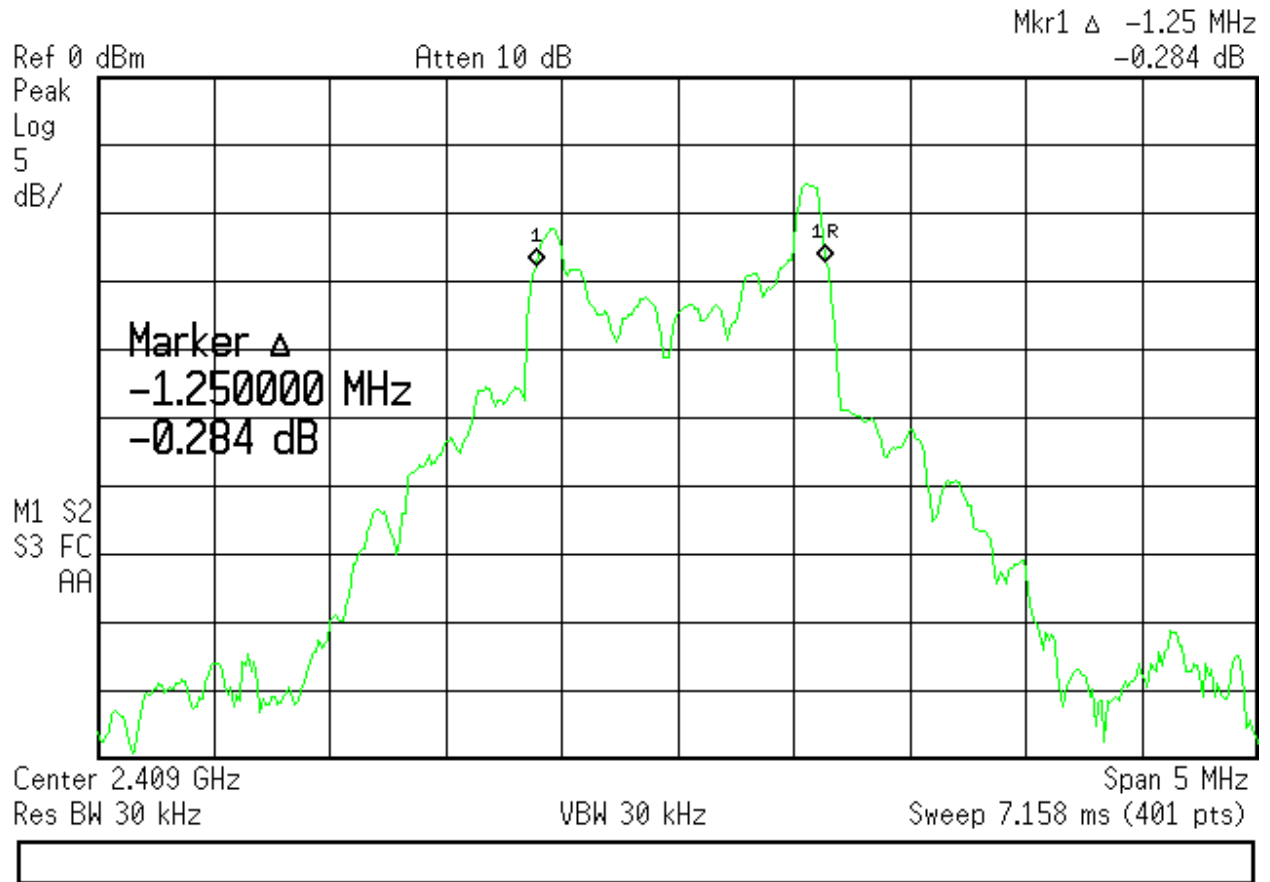
Part 15.247 (a) (2) : Channel 1, 6 dB bandwidth > 500 kHz

Agilent 12:34:38 Apr 24, 2003



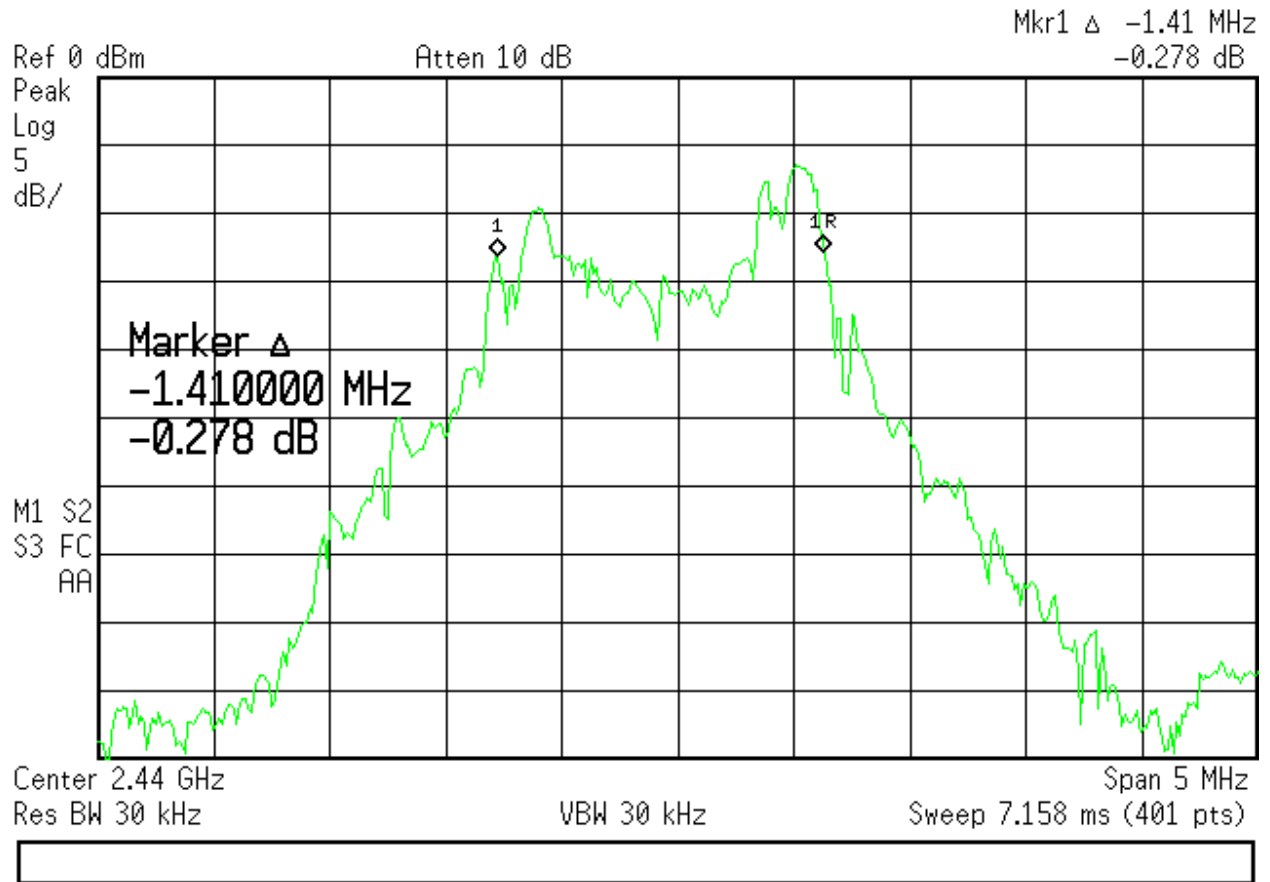
Part 15.247 (a) (2): Channel 1, 6 dB bandwidth > 500 kHz

Agilent 12:35:29 Apr 24, 2003



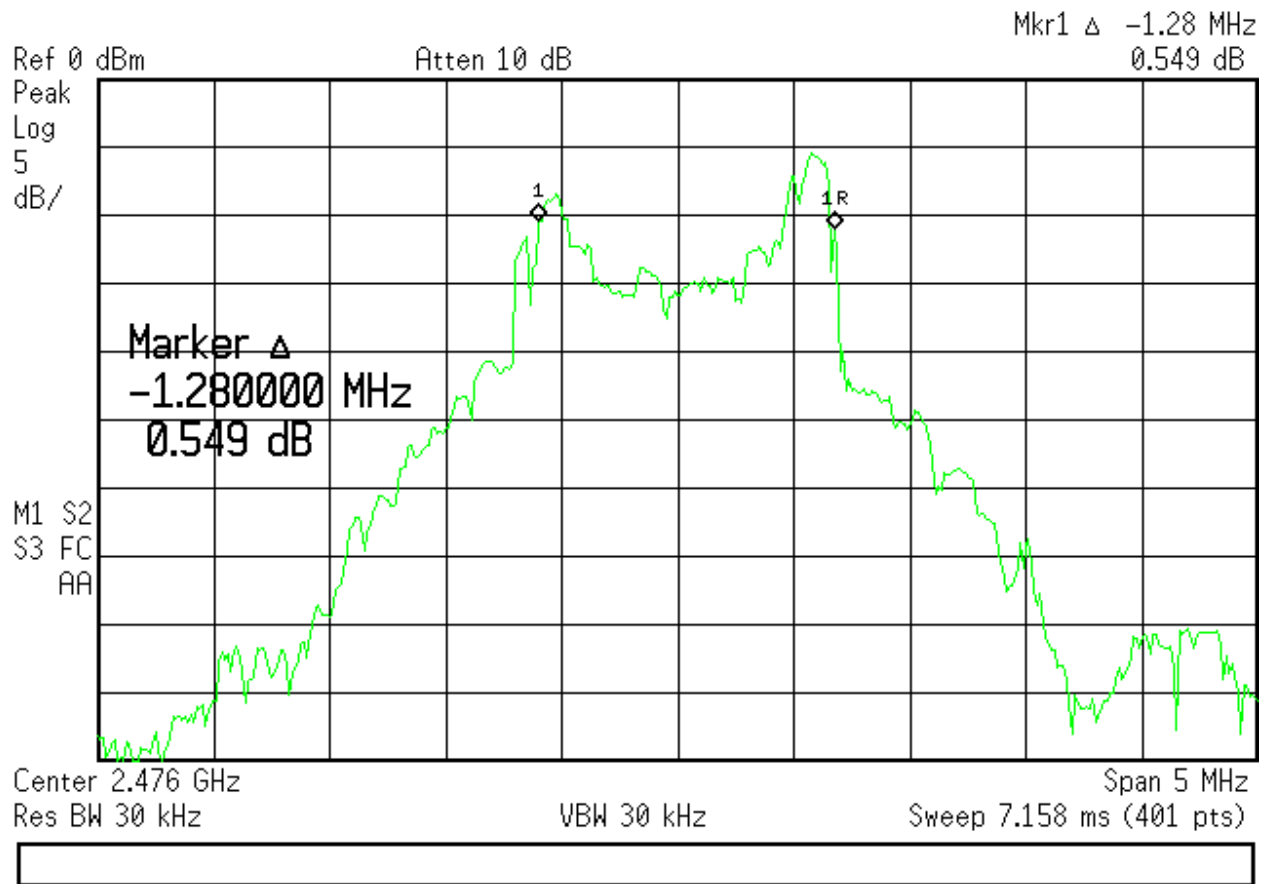
Part 15.247 (a) (2) : Channel 6, 6 dB bandwidth > 500 kHz

Agilent 12:38:15 Apr 24, 2003



Part 15.247 (a) (2): Channel 12, 6 dB bandwidth > 500 kHz

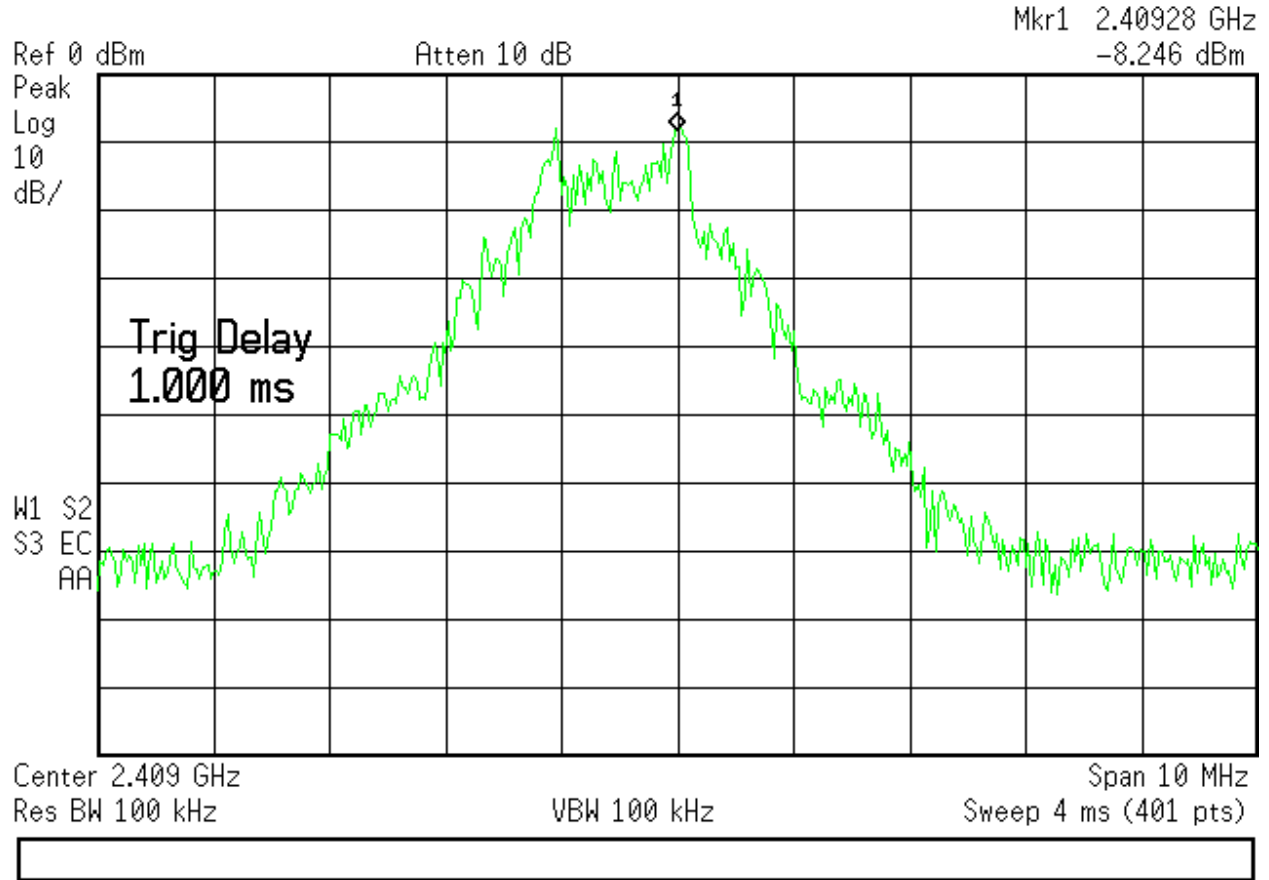
Agilent 12:40:41 Apr 24, 2003



Part 15.247 (d): Channel 1, PSD < 8 dBm/3 kHz

512 kHz deviation. 1.152 Mbps.

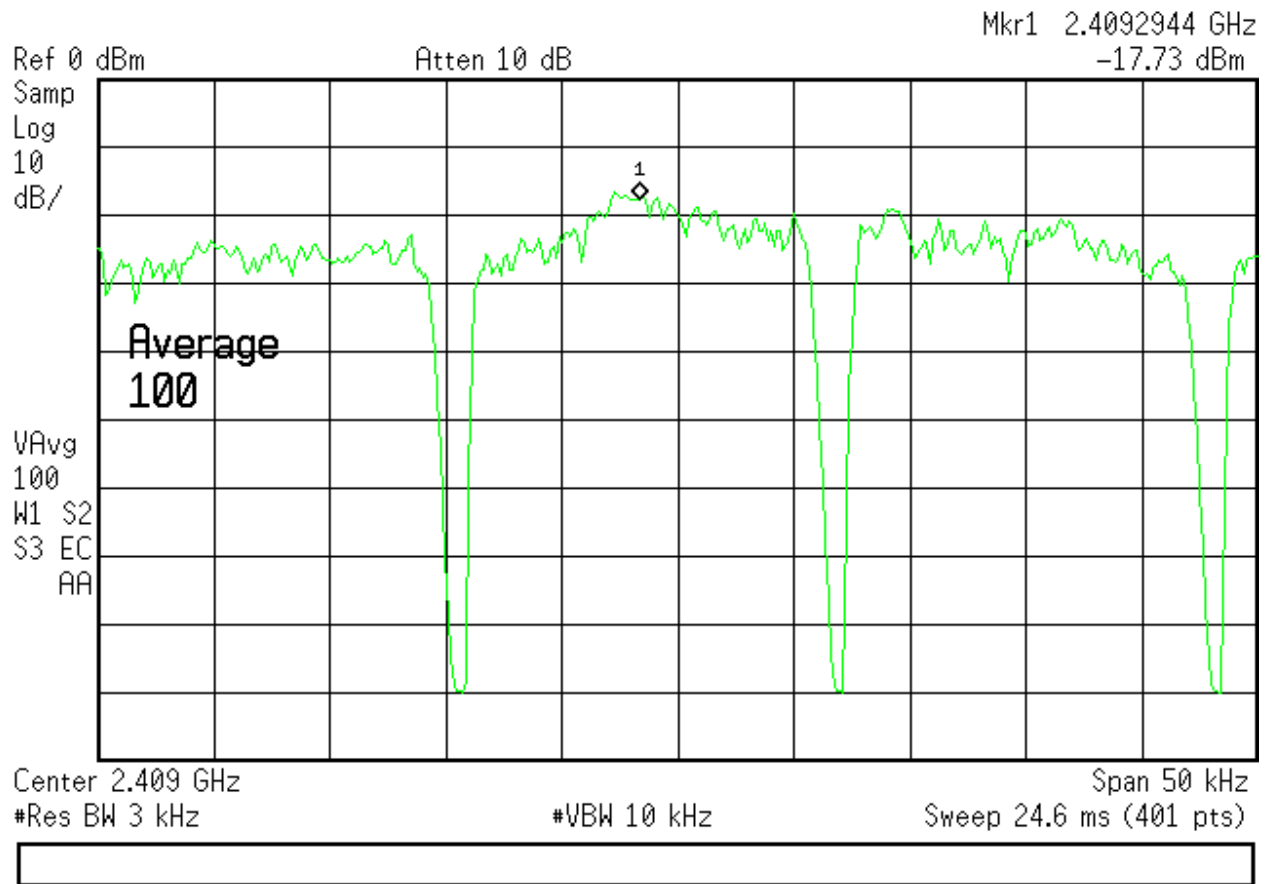
Agilent 17:43:56 May 6, 2003





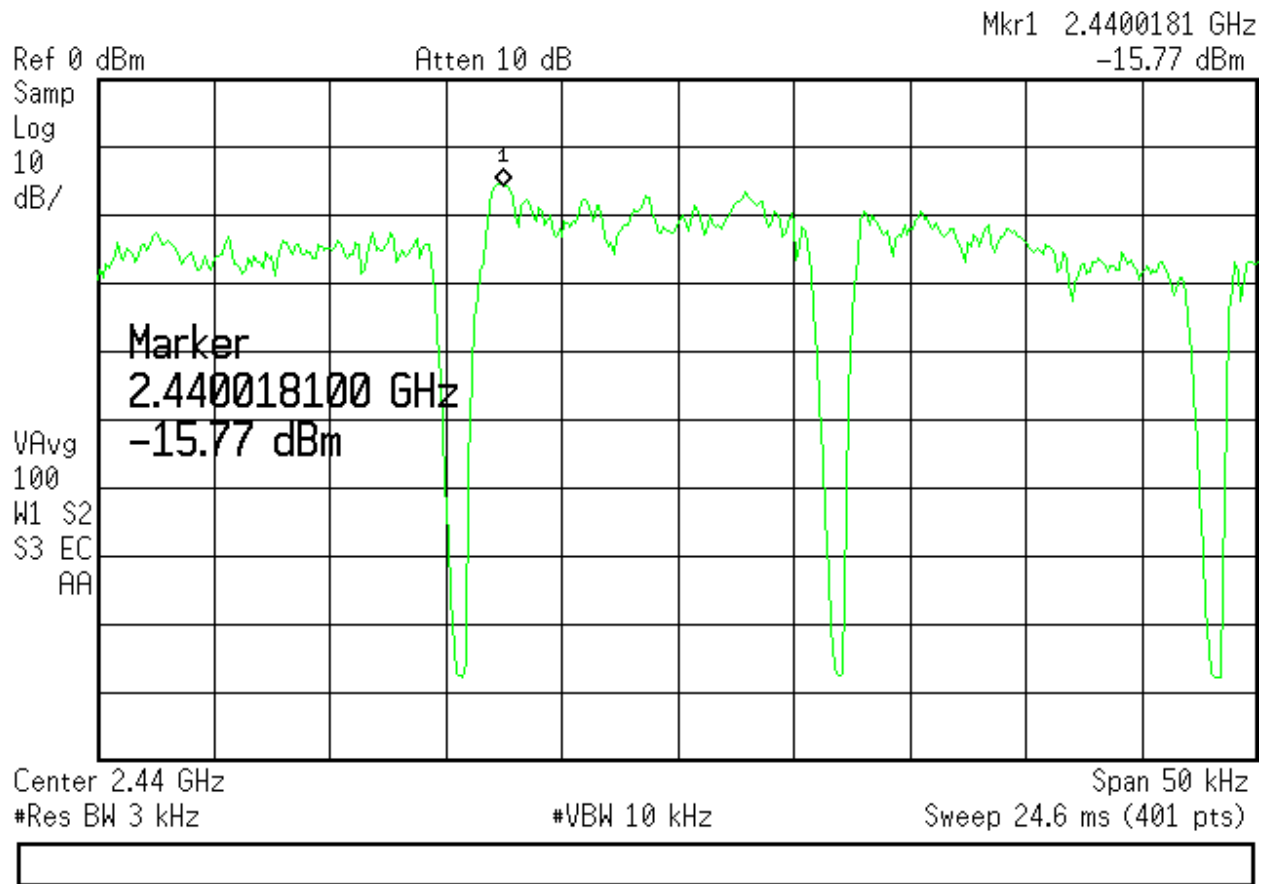
Part 15.247 (d): Channel 1, PSD < 8 dBm/3 kHz

\* Agilent 17:46:03 May 6, 2003



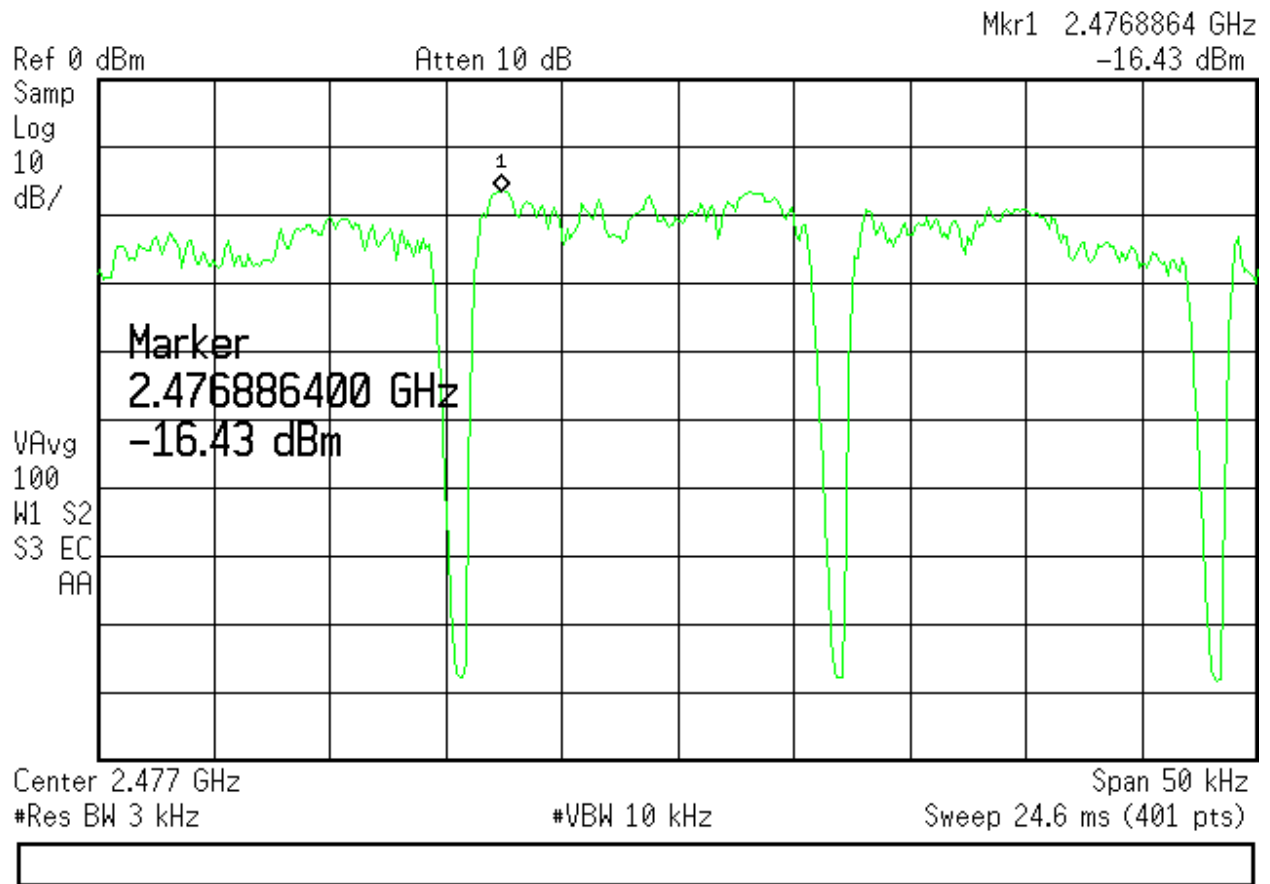
Part 15.247 (d): Channel 6, PSD < 8 dBm/3 kHz

\* Agilent 17:47:30 May 6, 2003




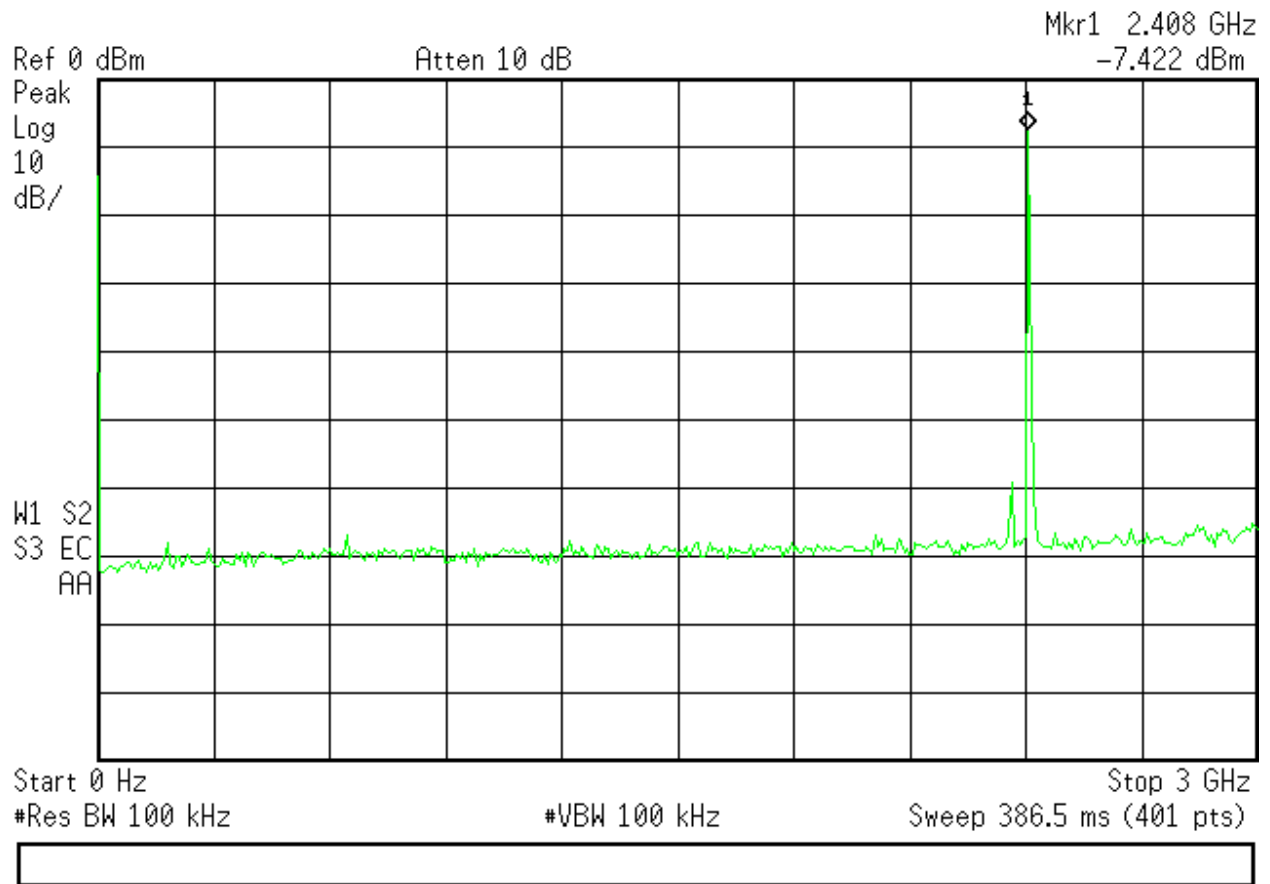
Part 15.247 (d): Channel 12, PSD < 8 dBm/3 kHz

\* Agilent 17:49:05 May 6, 2003



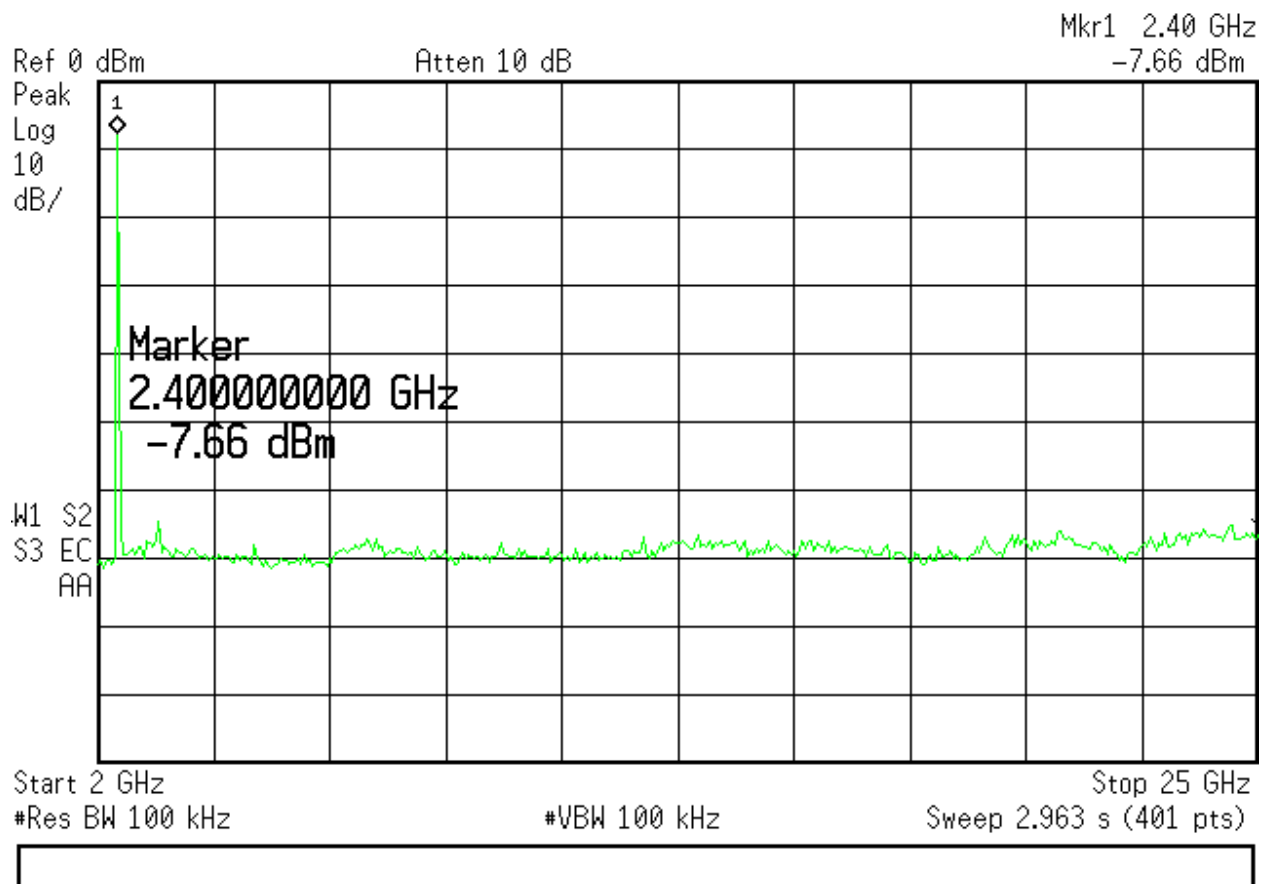
Channel 1:

 Agilent 09:58:32 May 7, 2003



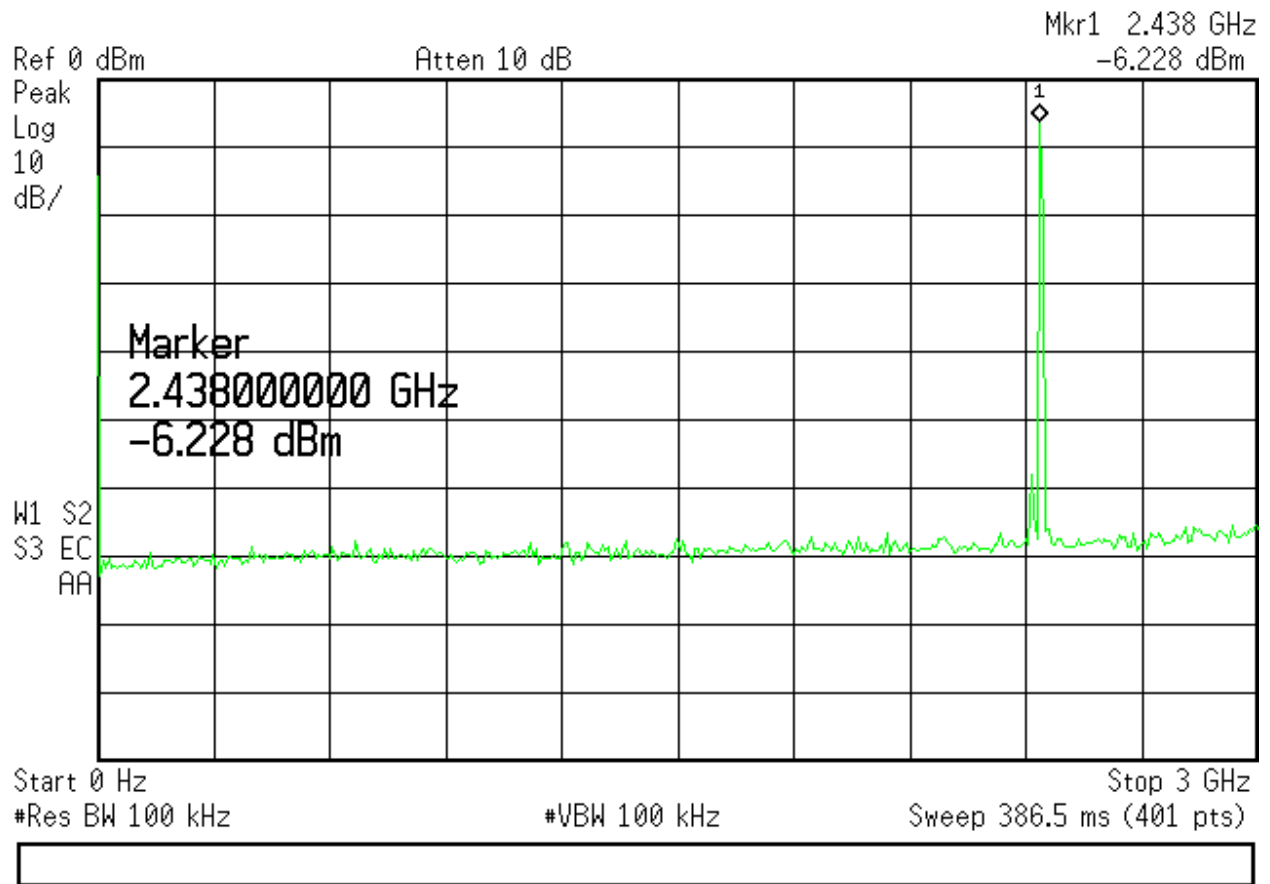
Channel 1:

\* Agilent 10:00:49 May 7, 2003



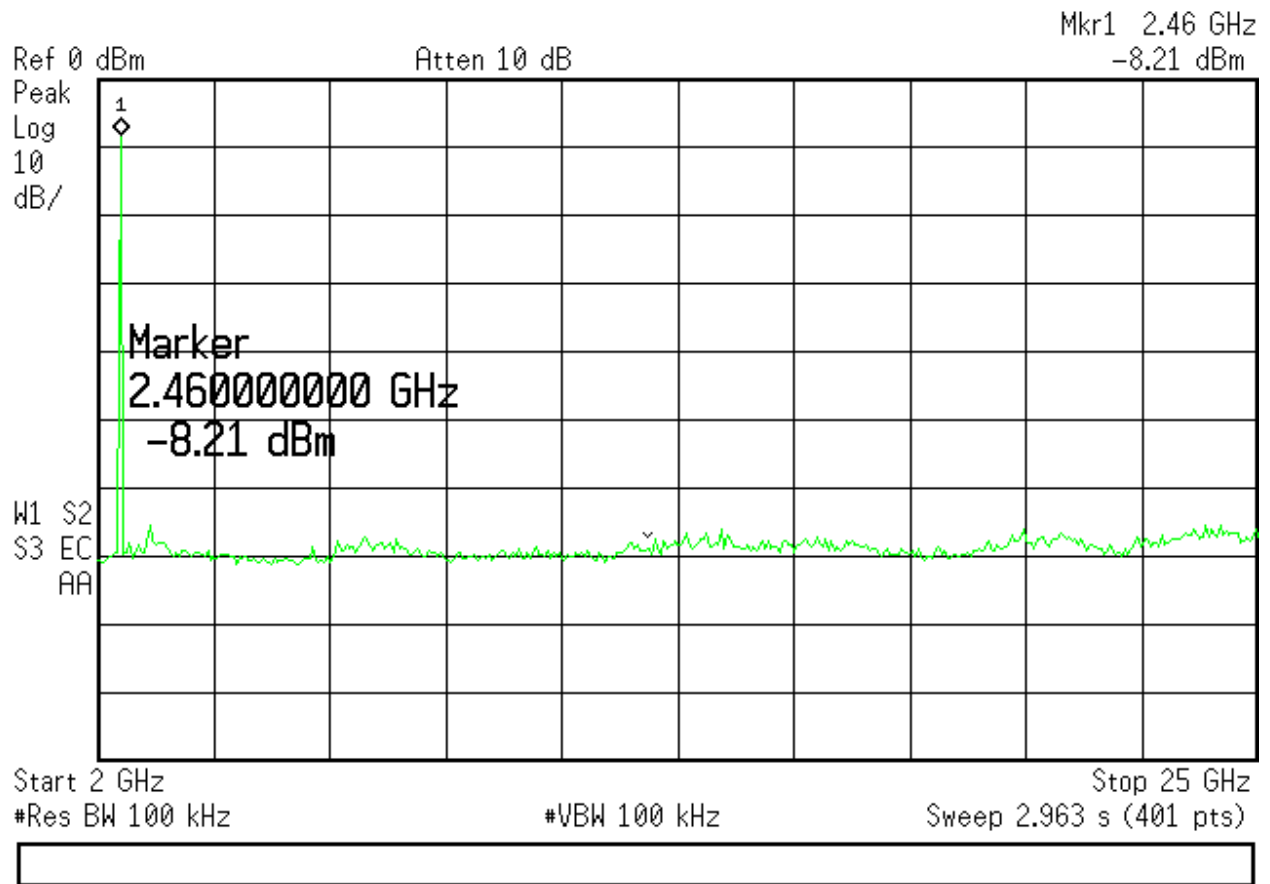
Channel 6:

\* Agilent 09:59:07 May 7, 2003



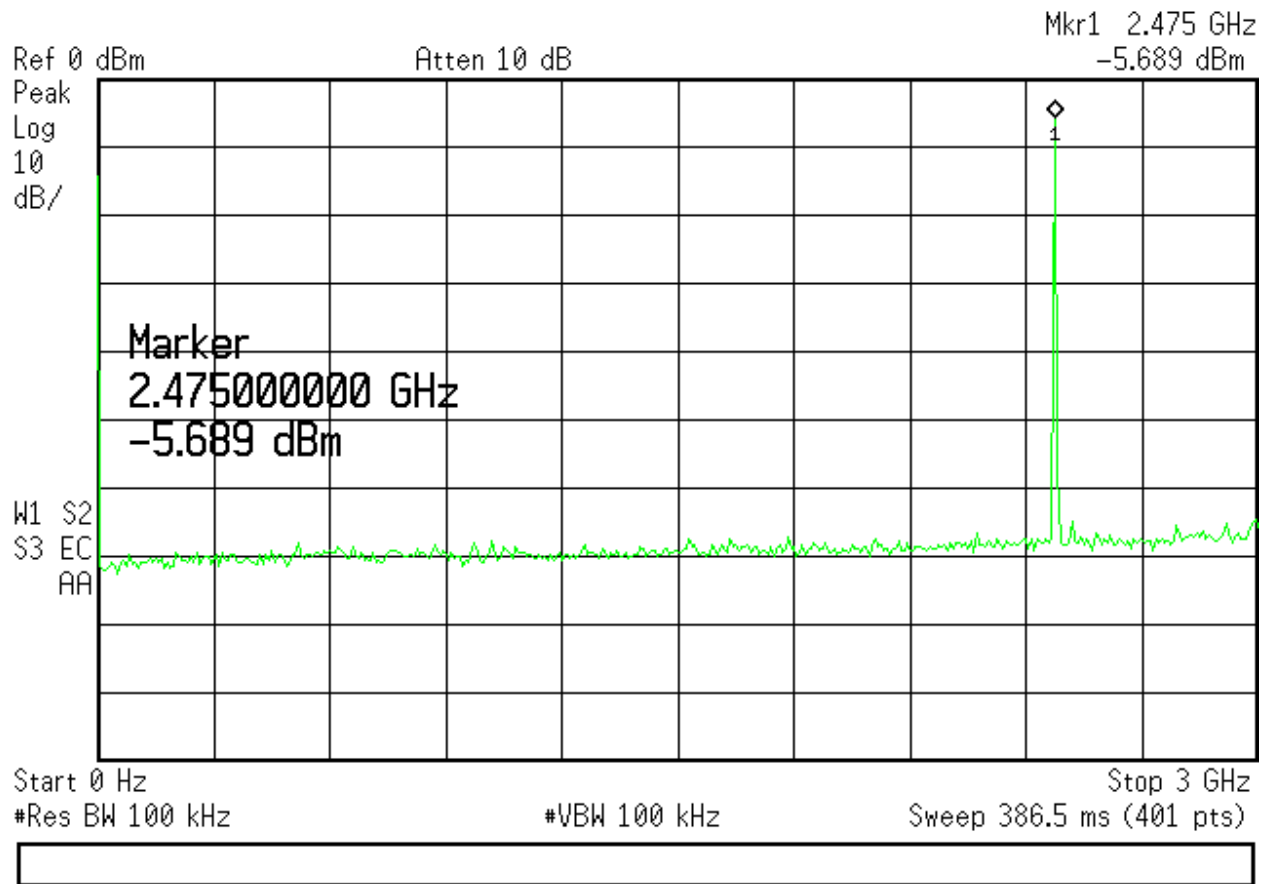
Channel 6:

\* Agilent 10:01:12 May 7, 2003



Channel 12:

\* Agilent 09:59:36 May 7, 2003





Channel 12:

Agilent 10:01:47 May 7, 2003

