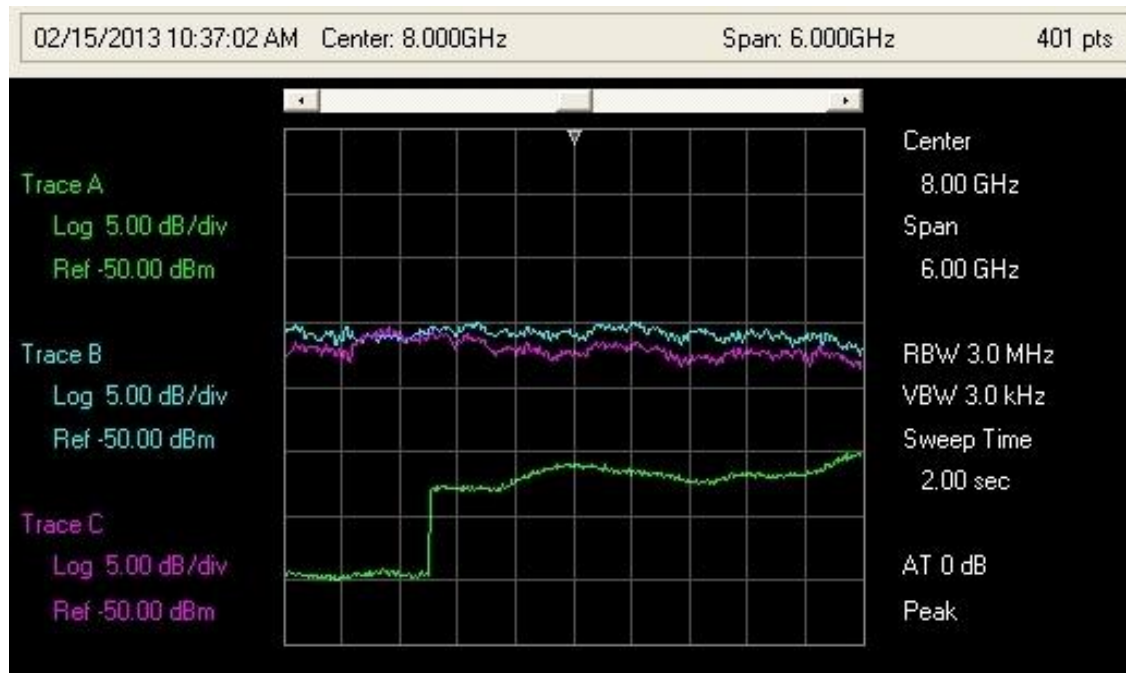


Test to demonstrate XGen flatness from 5GHz to 11GHz February 2013

The basis of the test is to compare XGen with an HP 346B to determine the relative flatness.

The test instrument is HP 8596E. The XGen is followed by a 12GHz attenuator, 6dB.

In front of the spectrum analyser is a beautifully flat Watkins-Johnson LNA model 6884-814 VERSA-AMP ☺.



- The green trace is the spectrum analyser noise floor with the LNA and noise sources off.
- The blue trace is an Agilent calibrated HP 346B 15dB ENR noise source fed into the WJ LNA.
- The violet trace is XGen with a 6dB 12GHz pad on the output, fed into the LNA.
- Note the LNA is starting to roll off at 11GHz, whilst the XGen follows the HP 346B.
- Note the 5dB per division setting for all traces.
- No settings were adjusted on the spectrum analyser between plots.