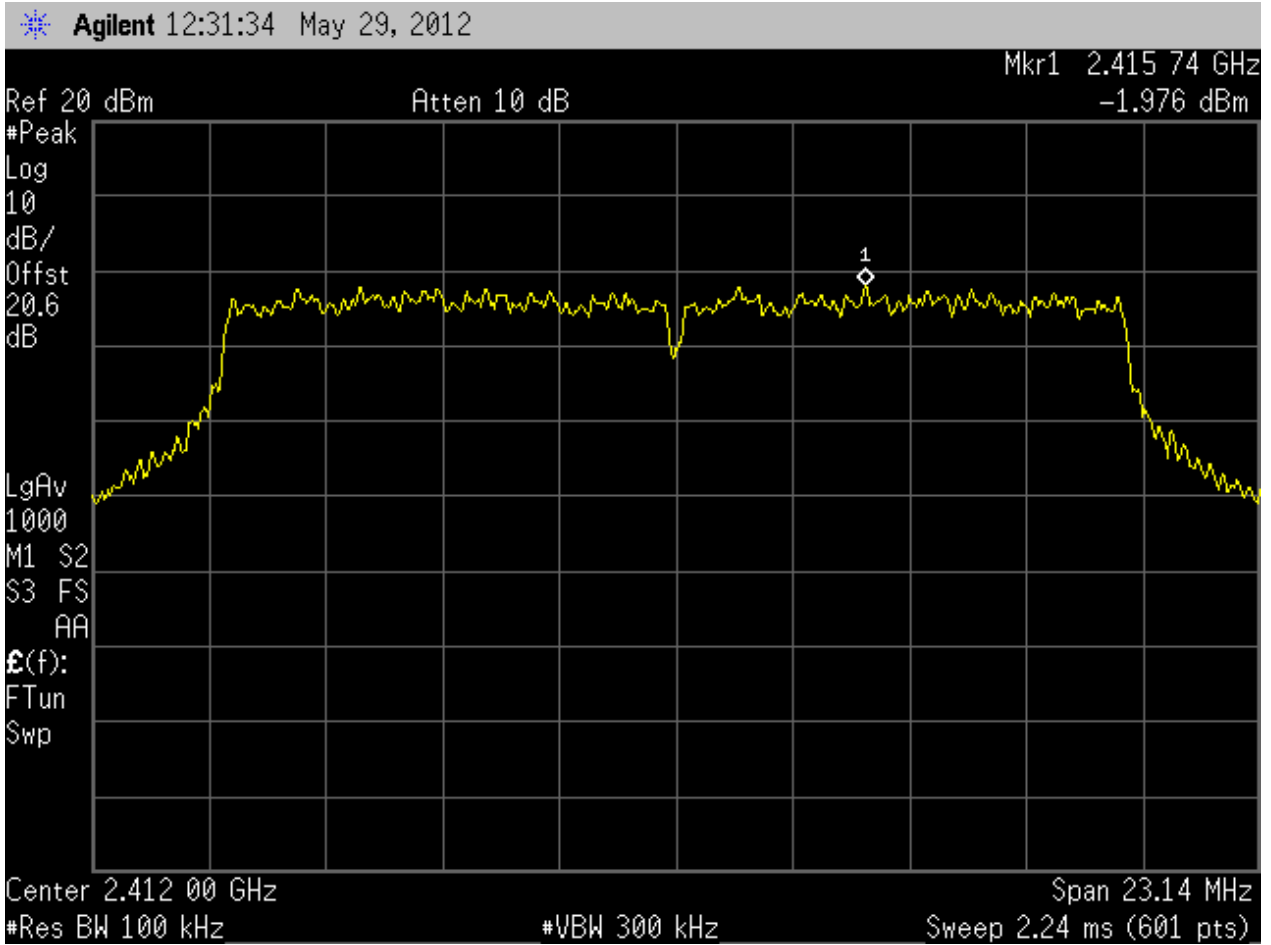


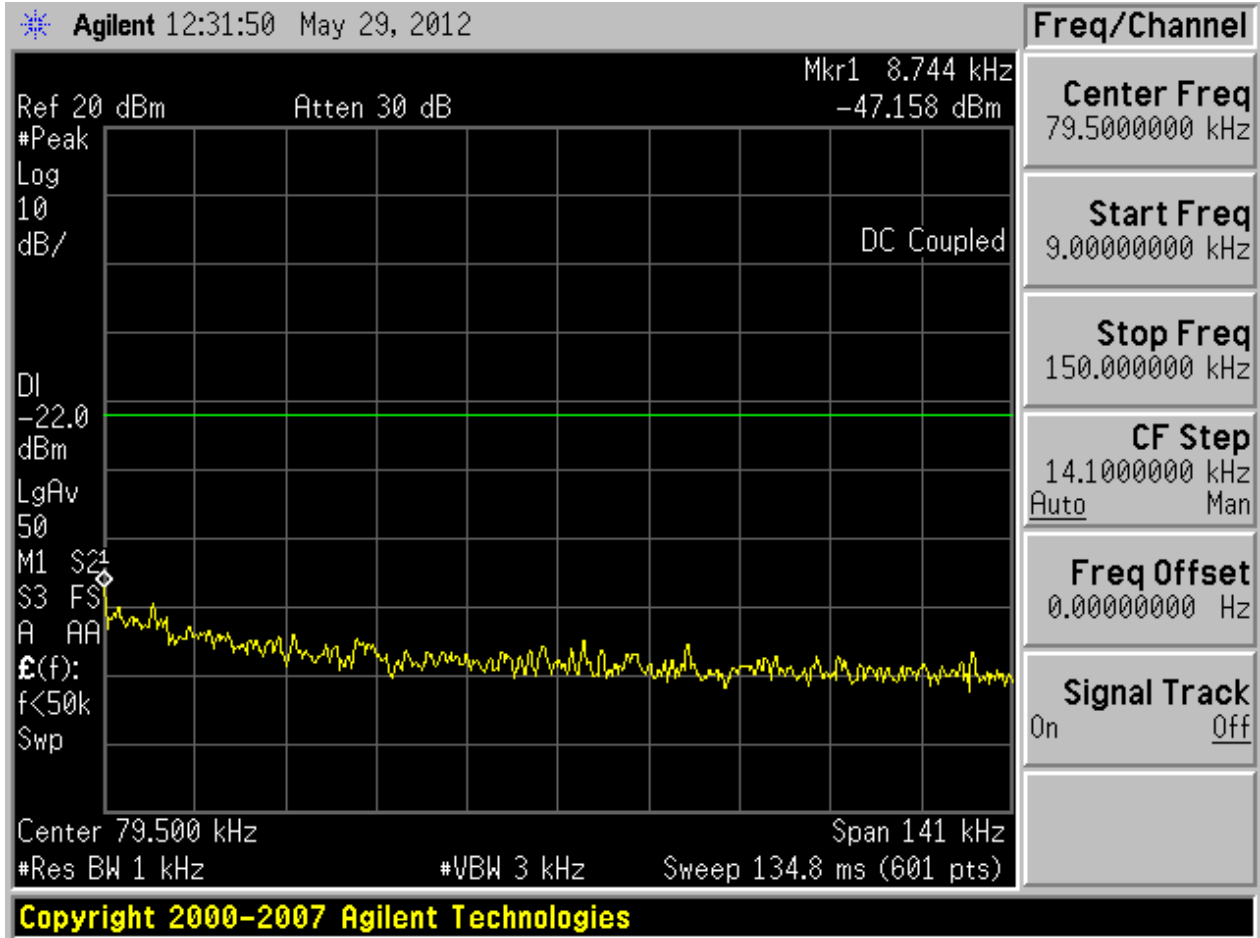
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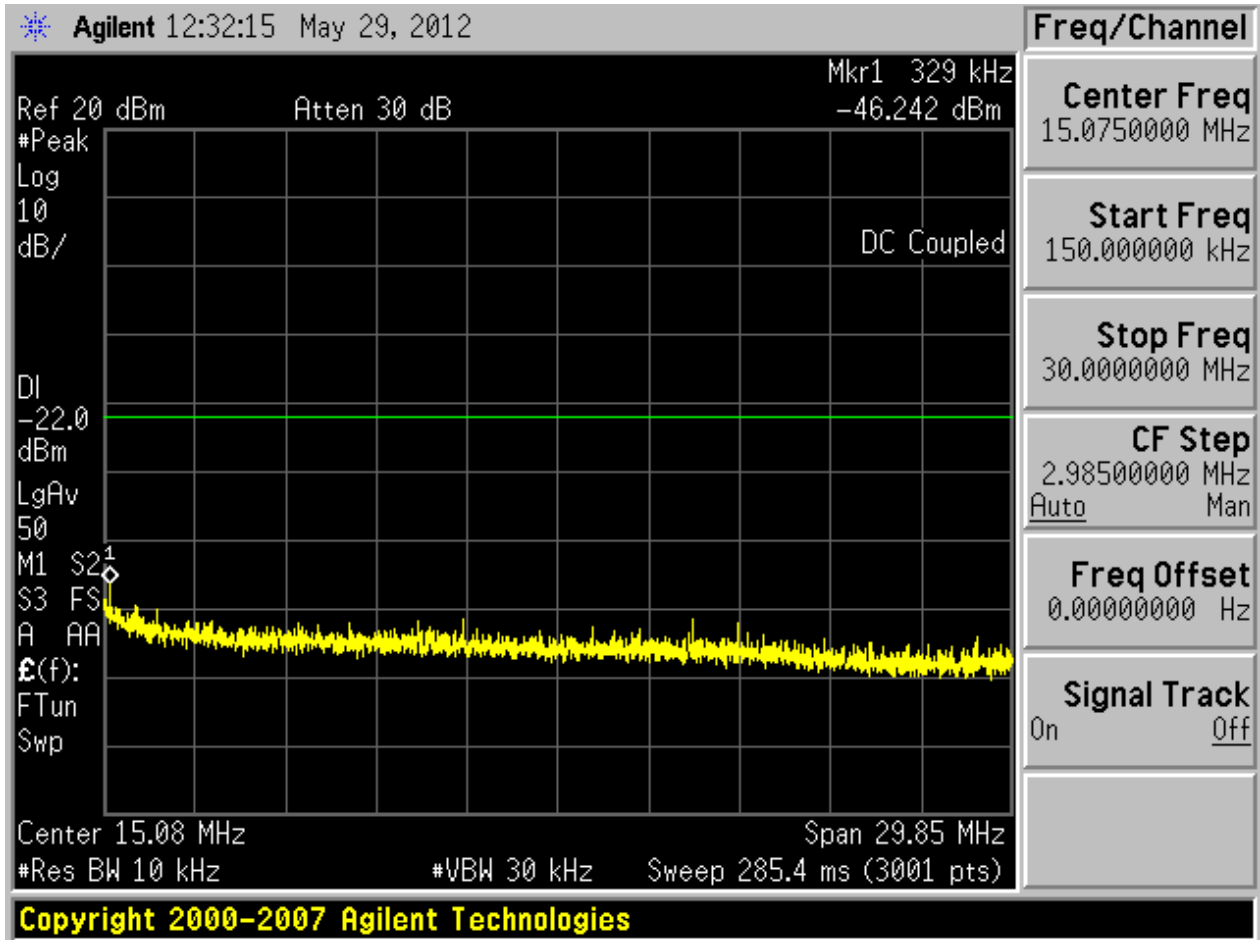
2.19.1 Ant 1

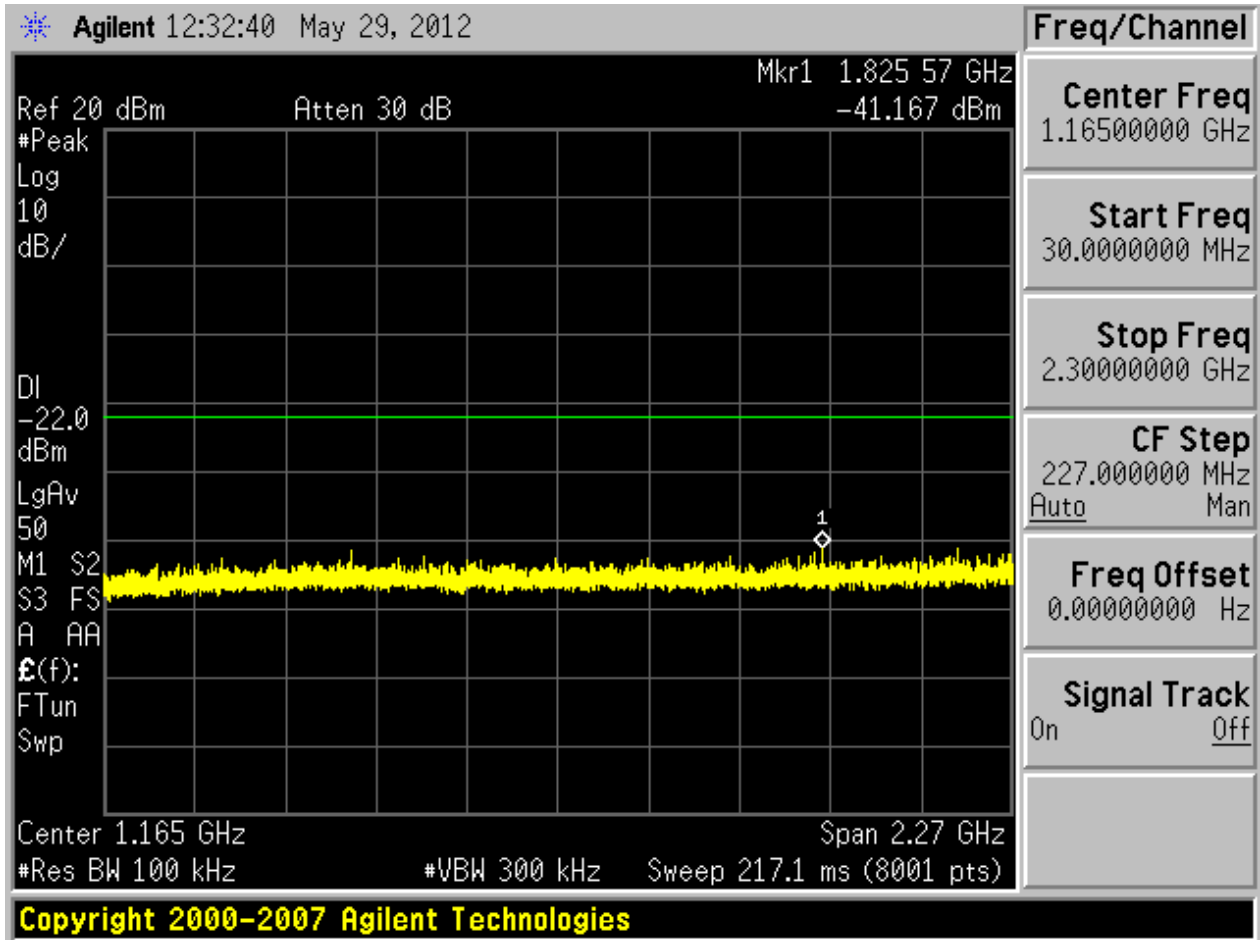
2.19.1.1 Pref

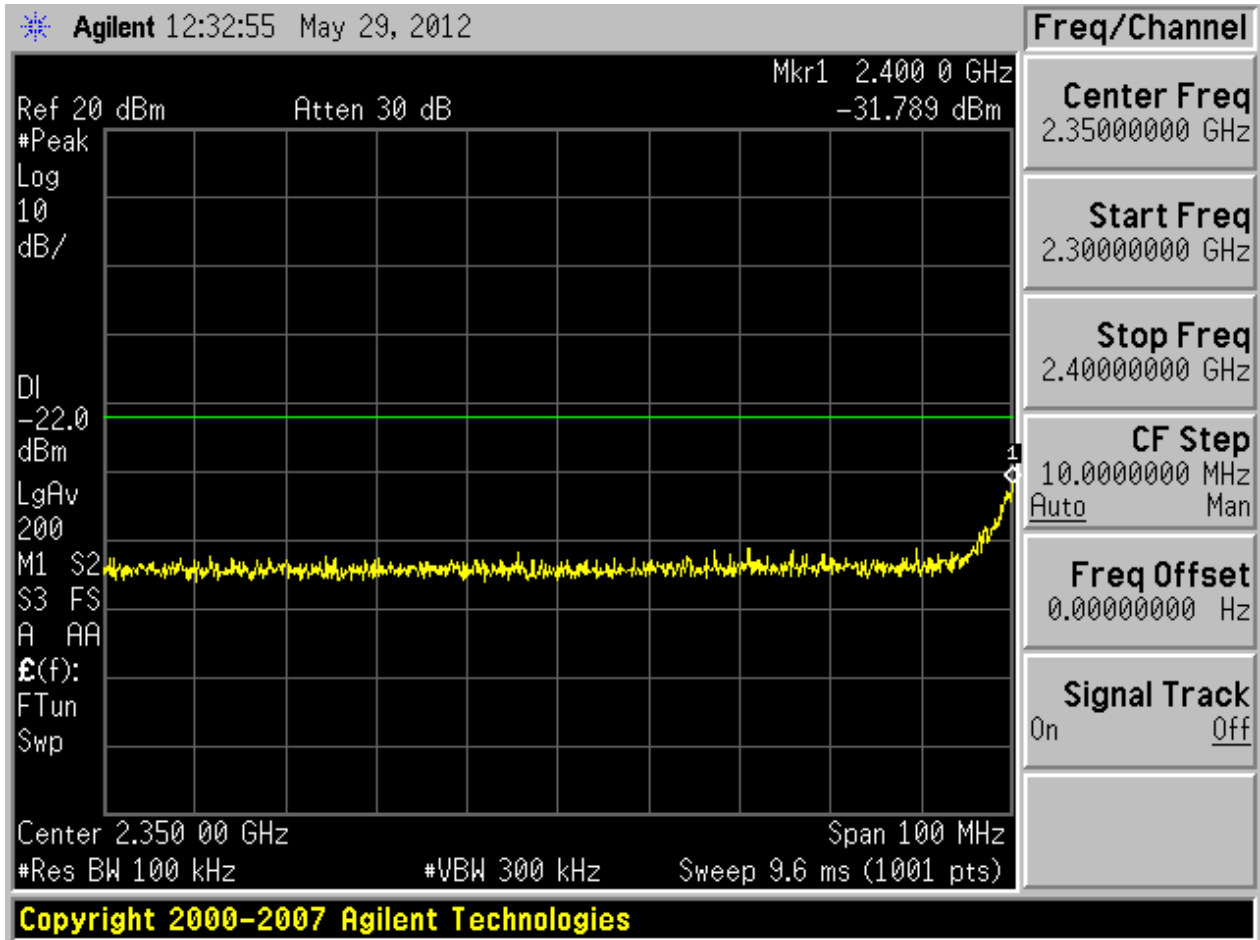


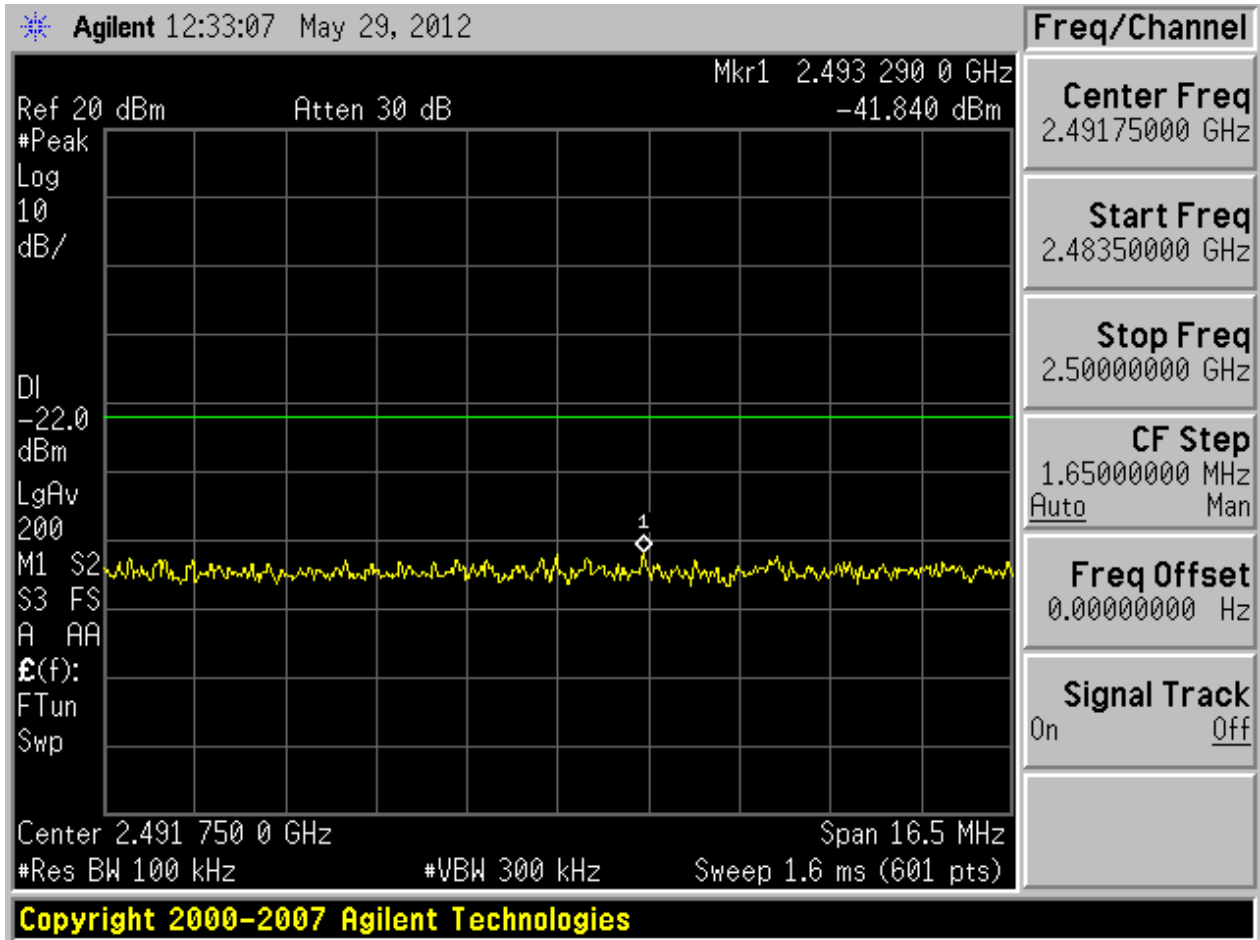
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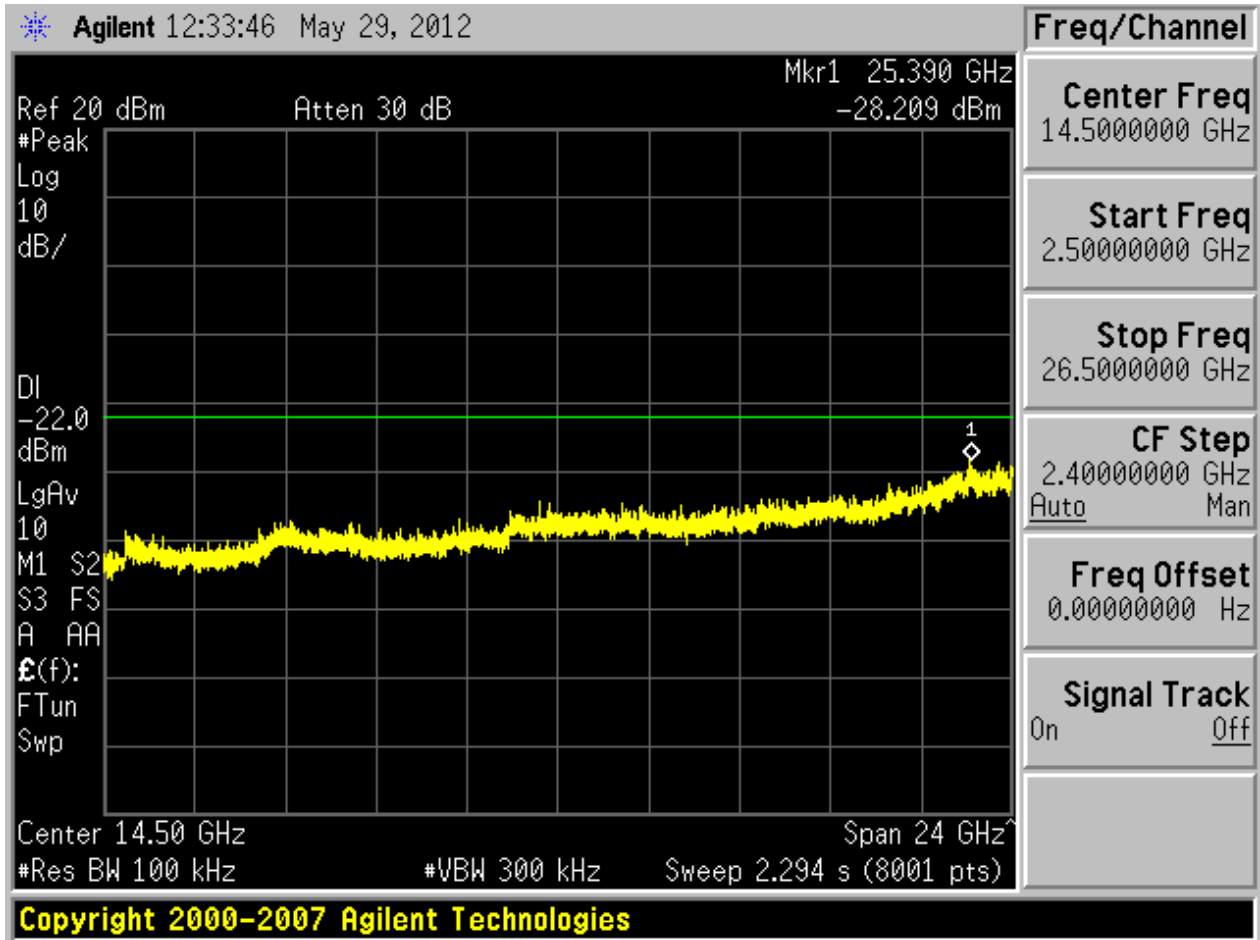






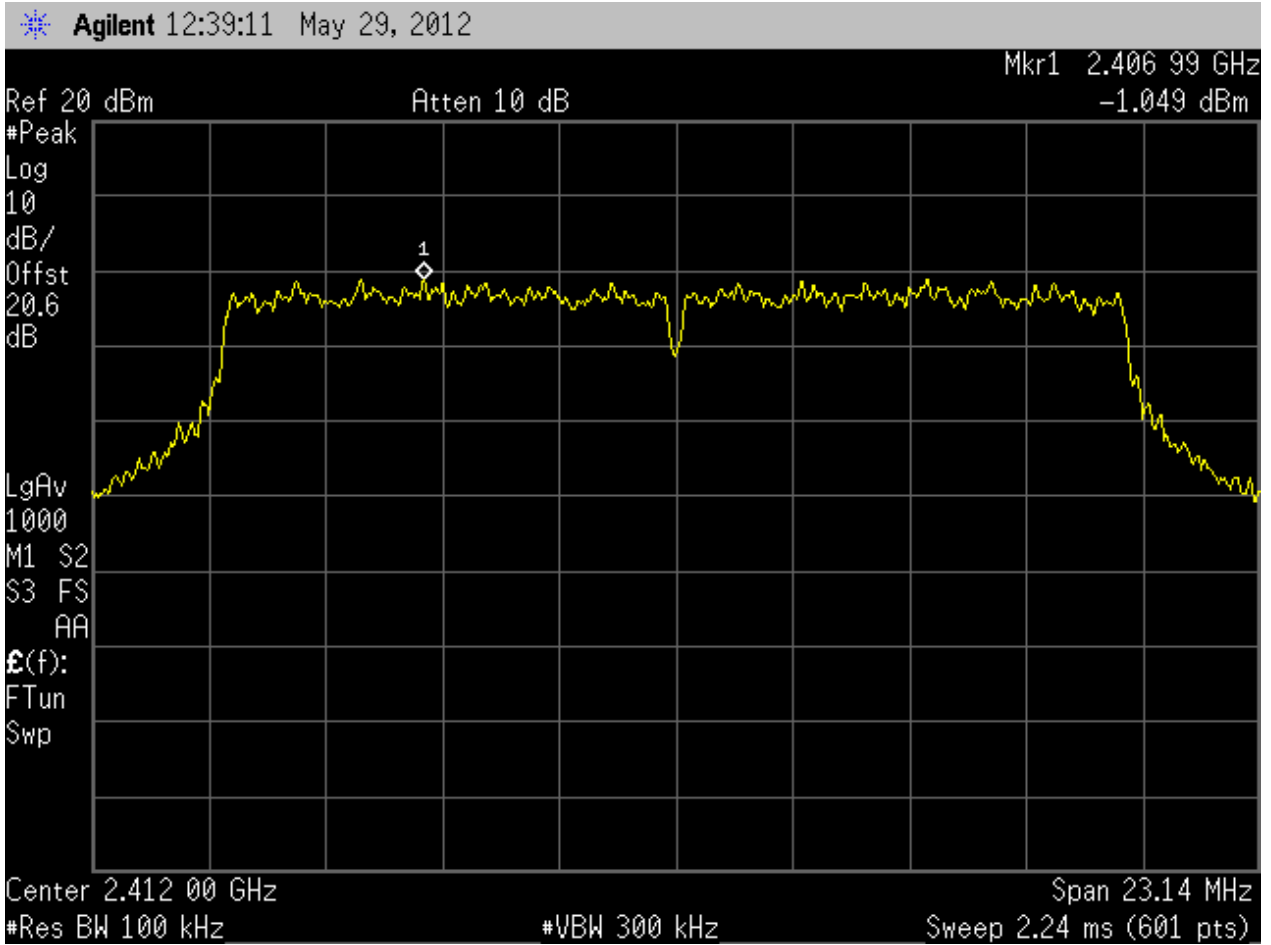




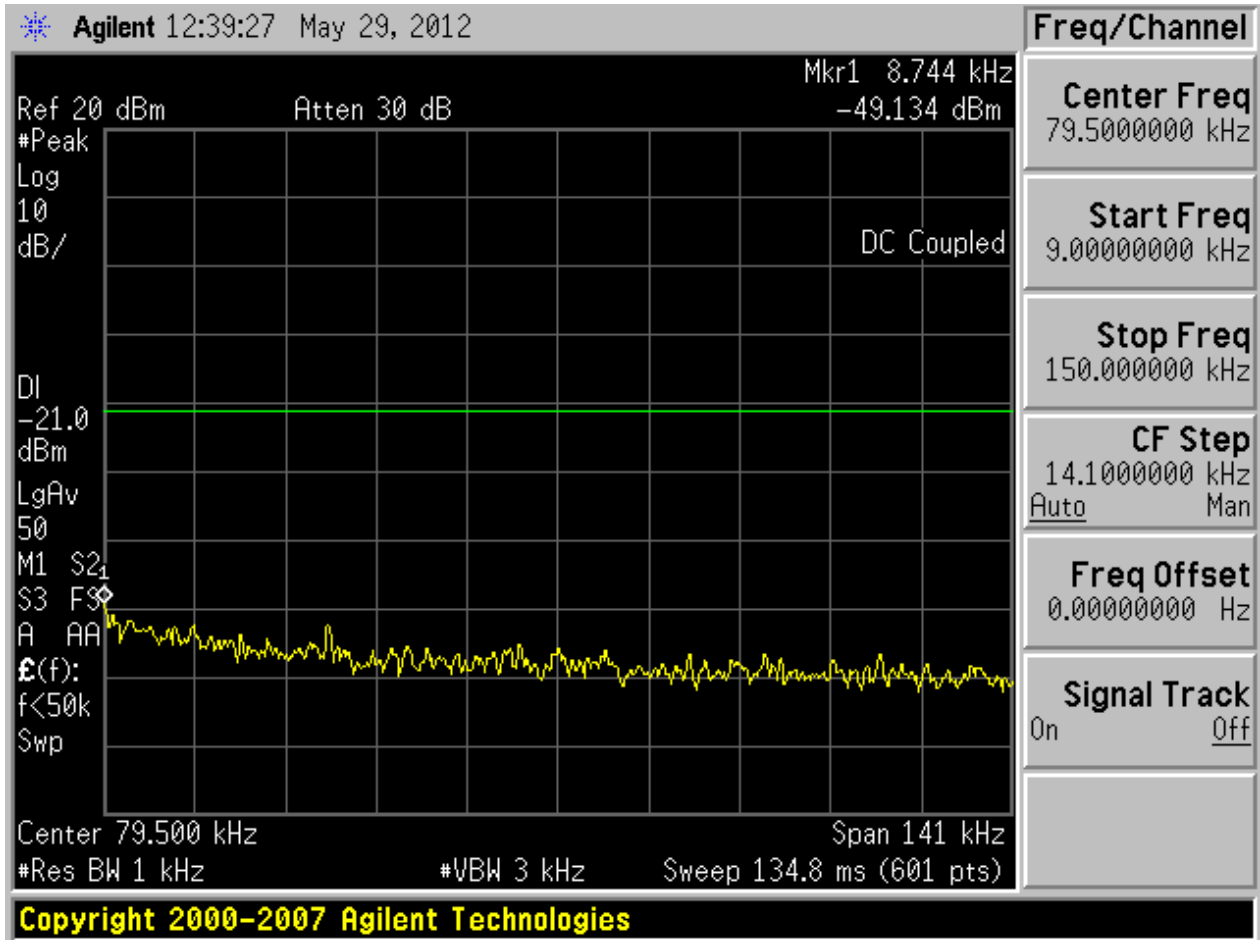


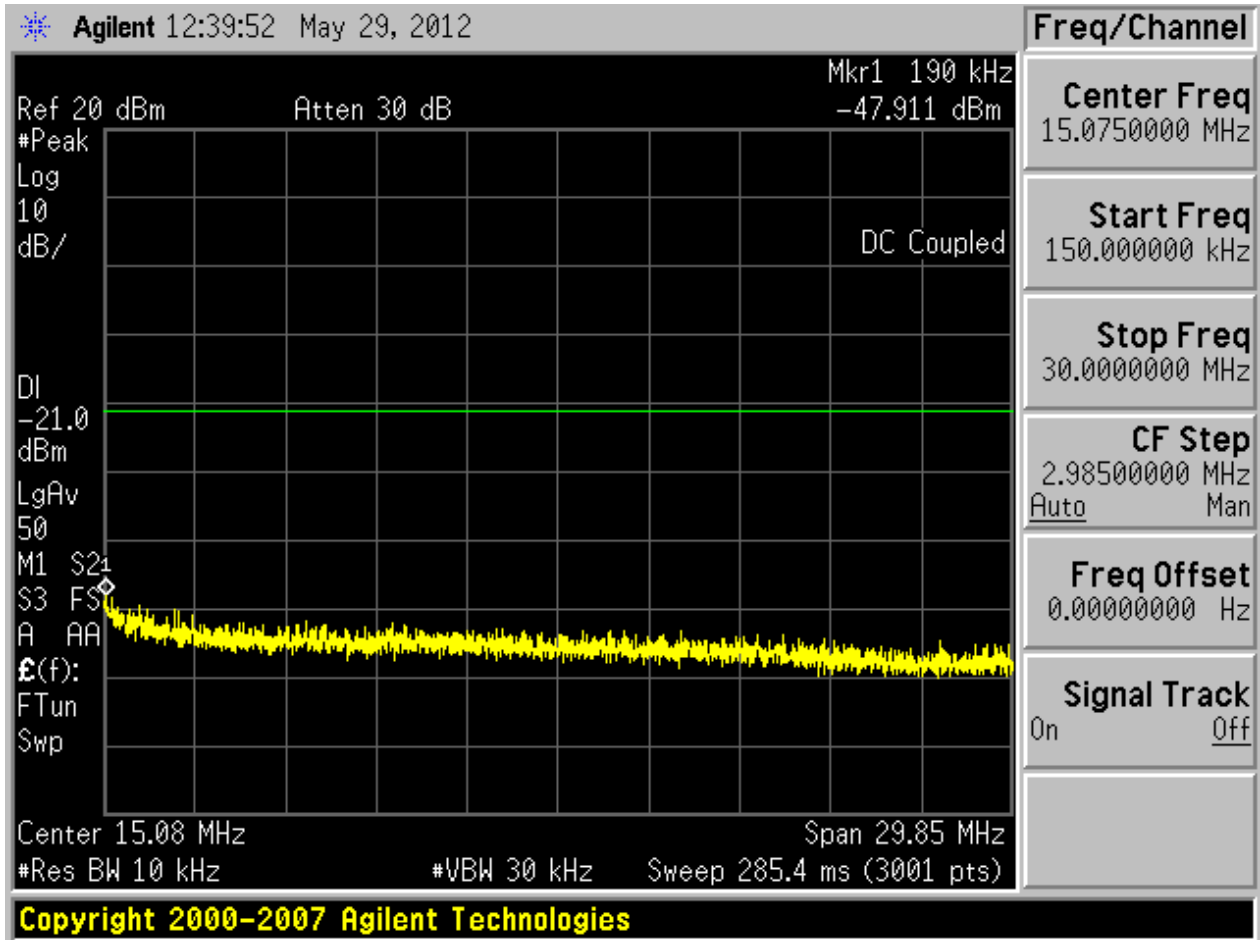
2.19.2 Ant 2

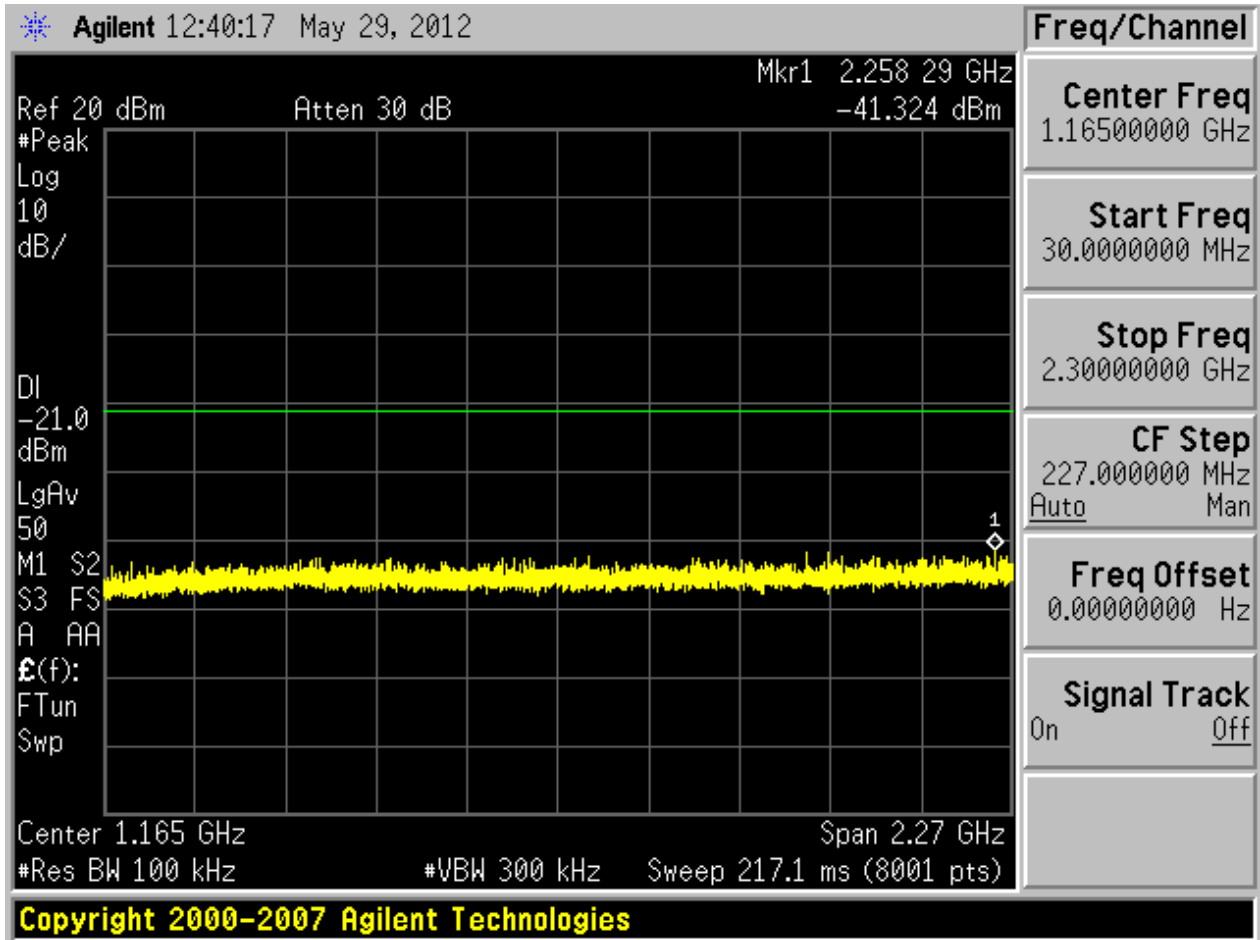
2.19.2.1 Pref

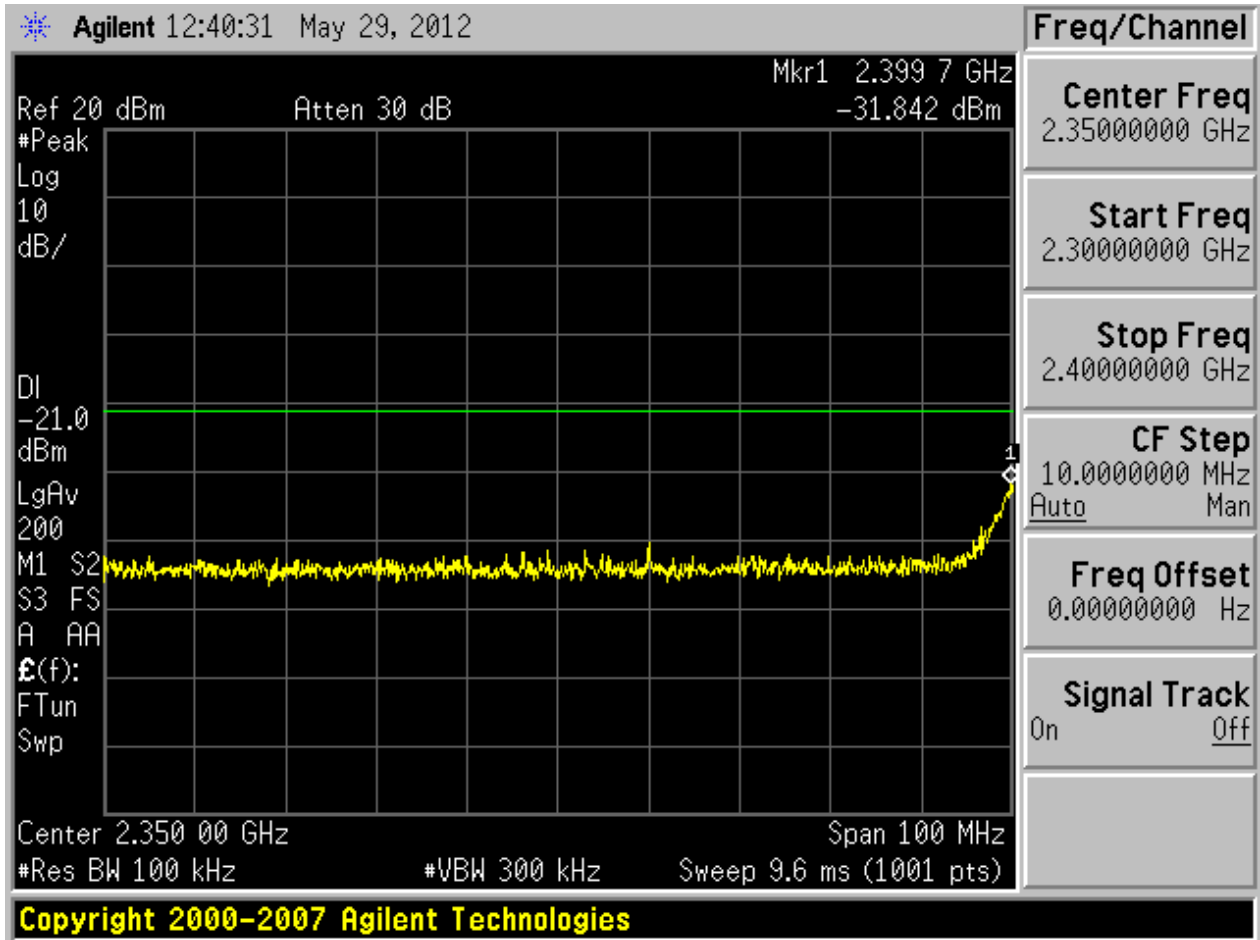


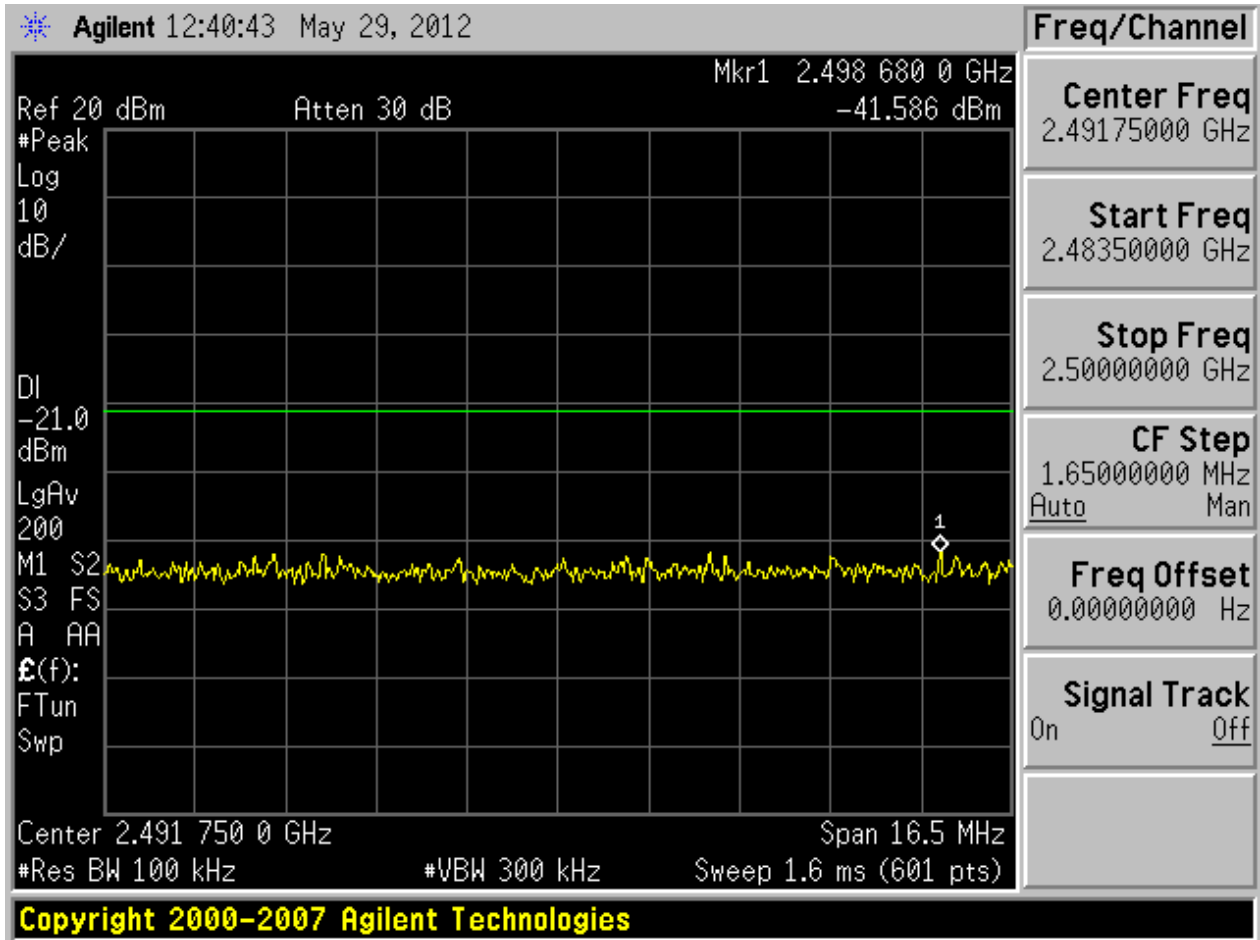
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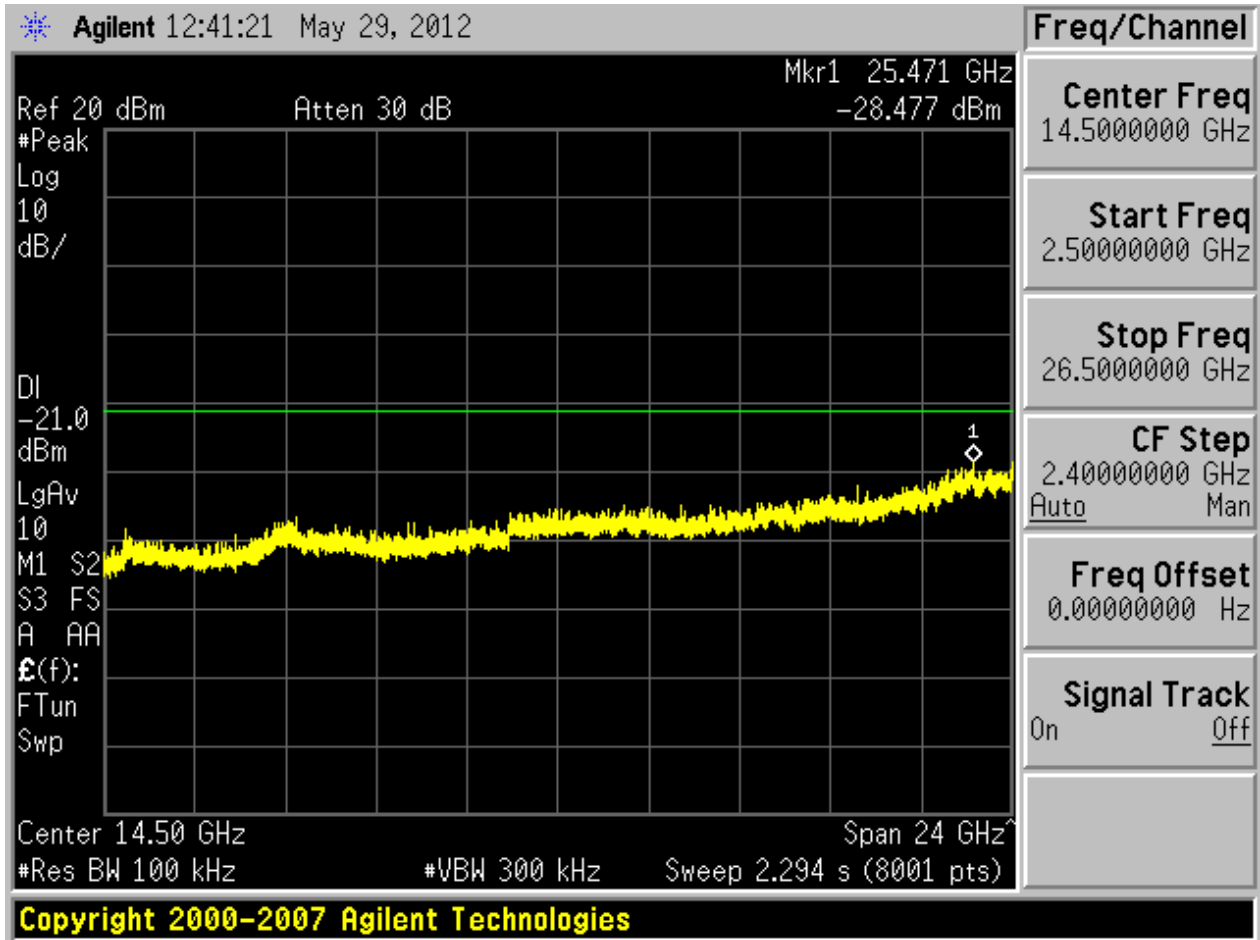








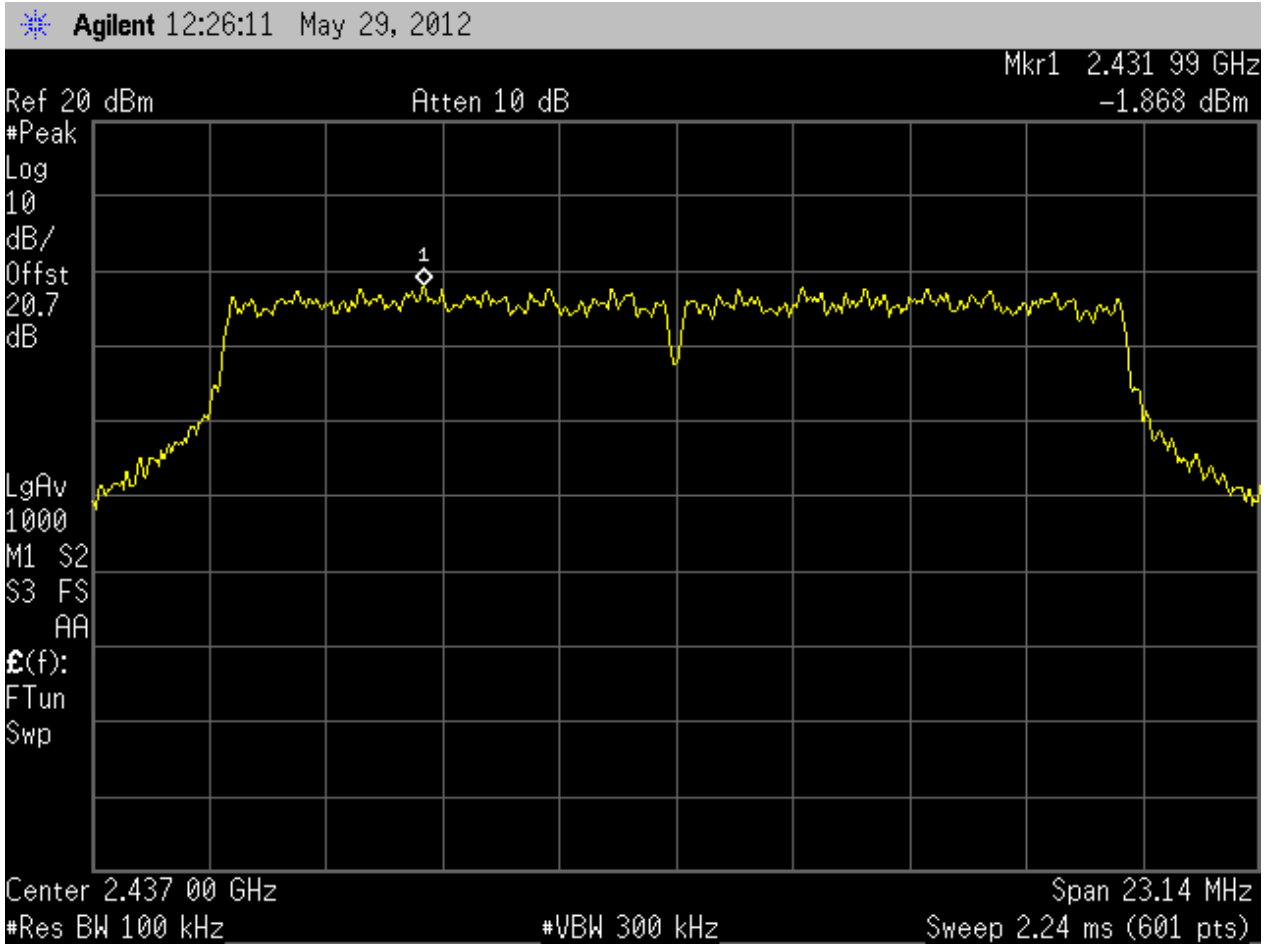




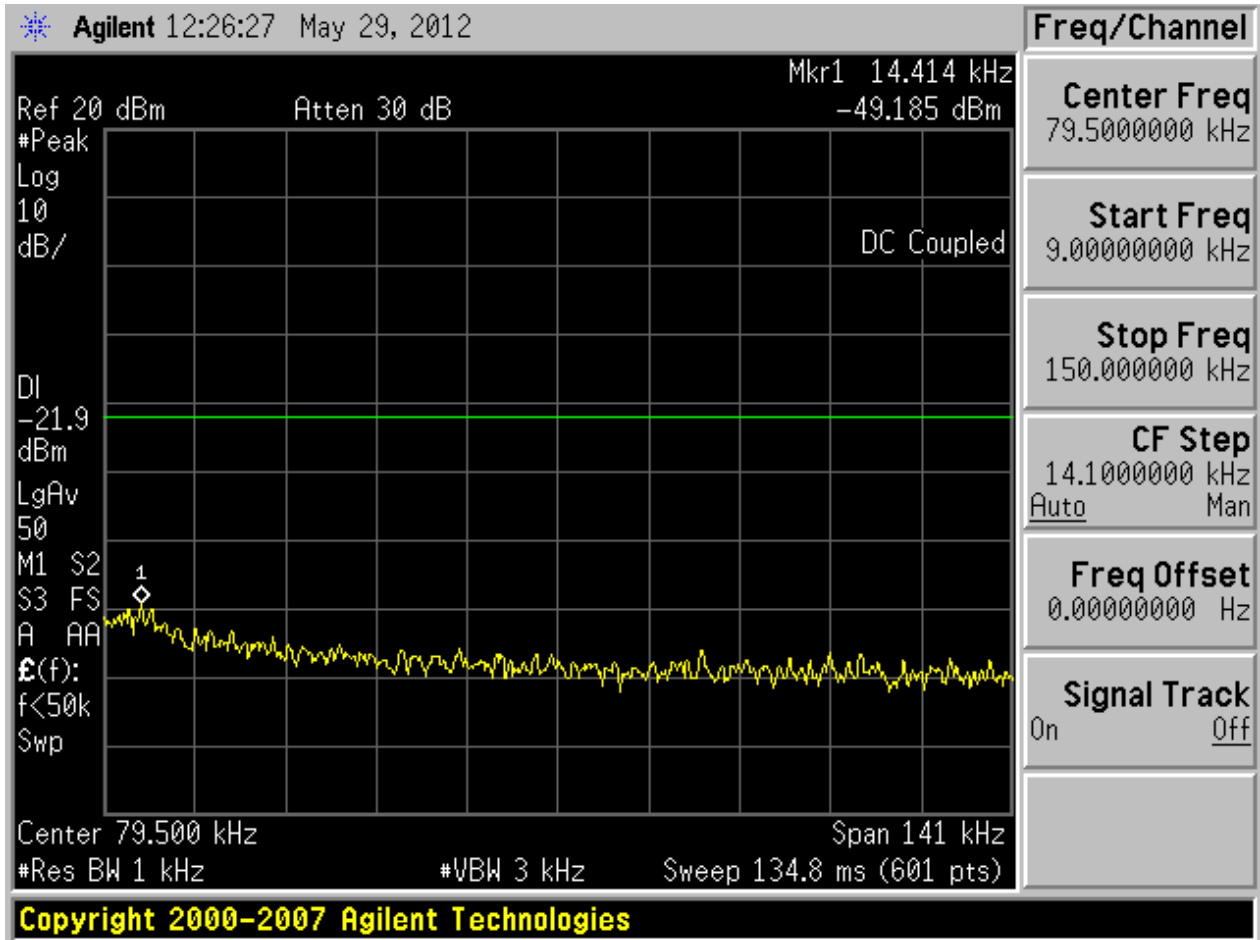
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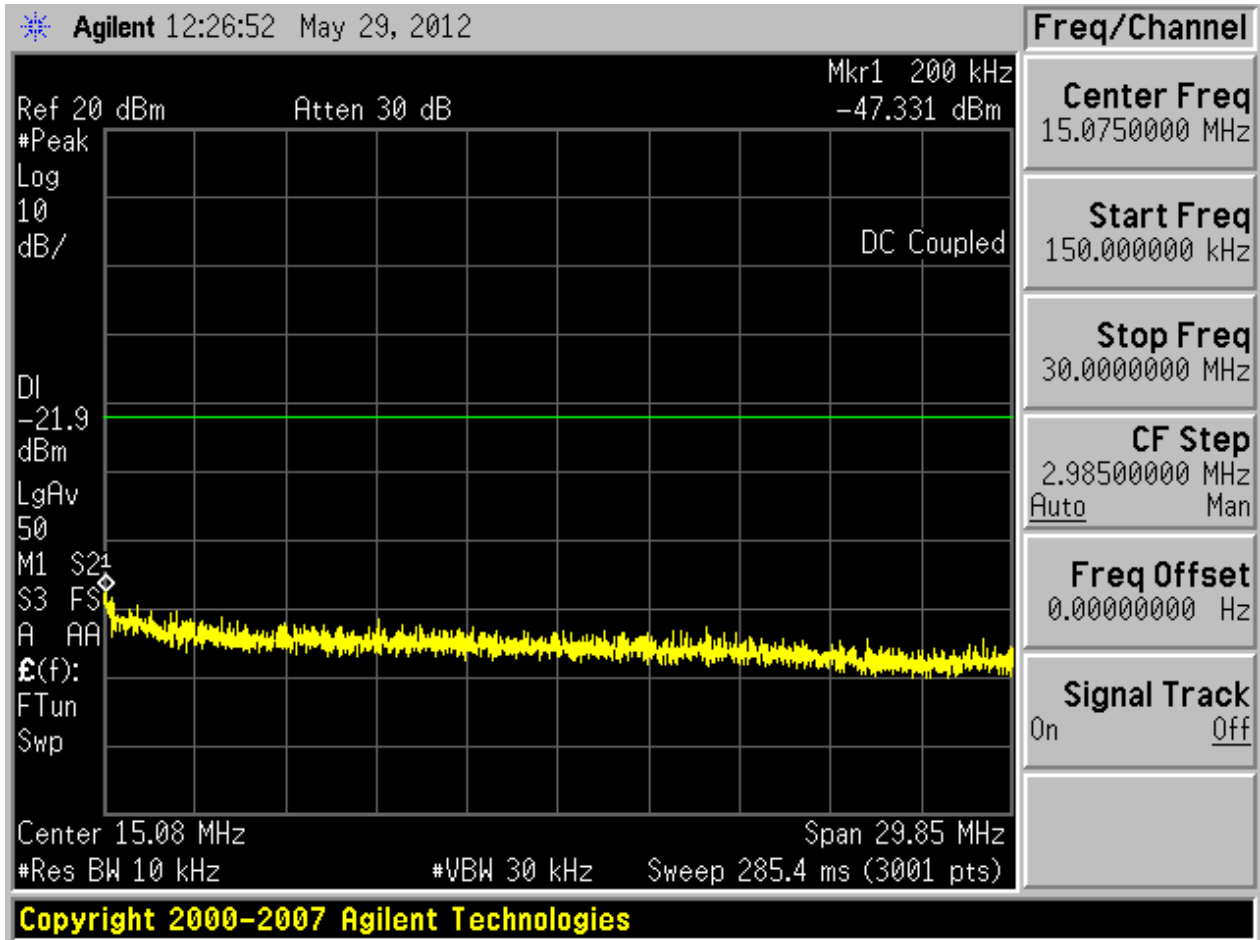
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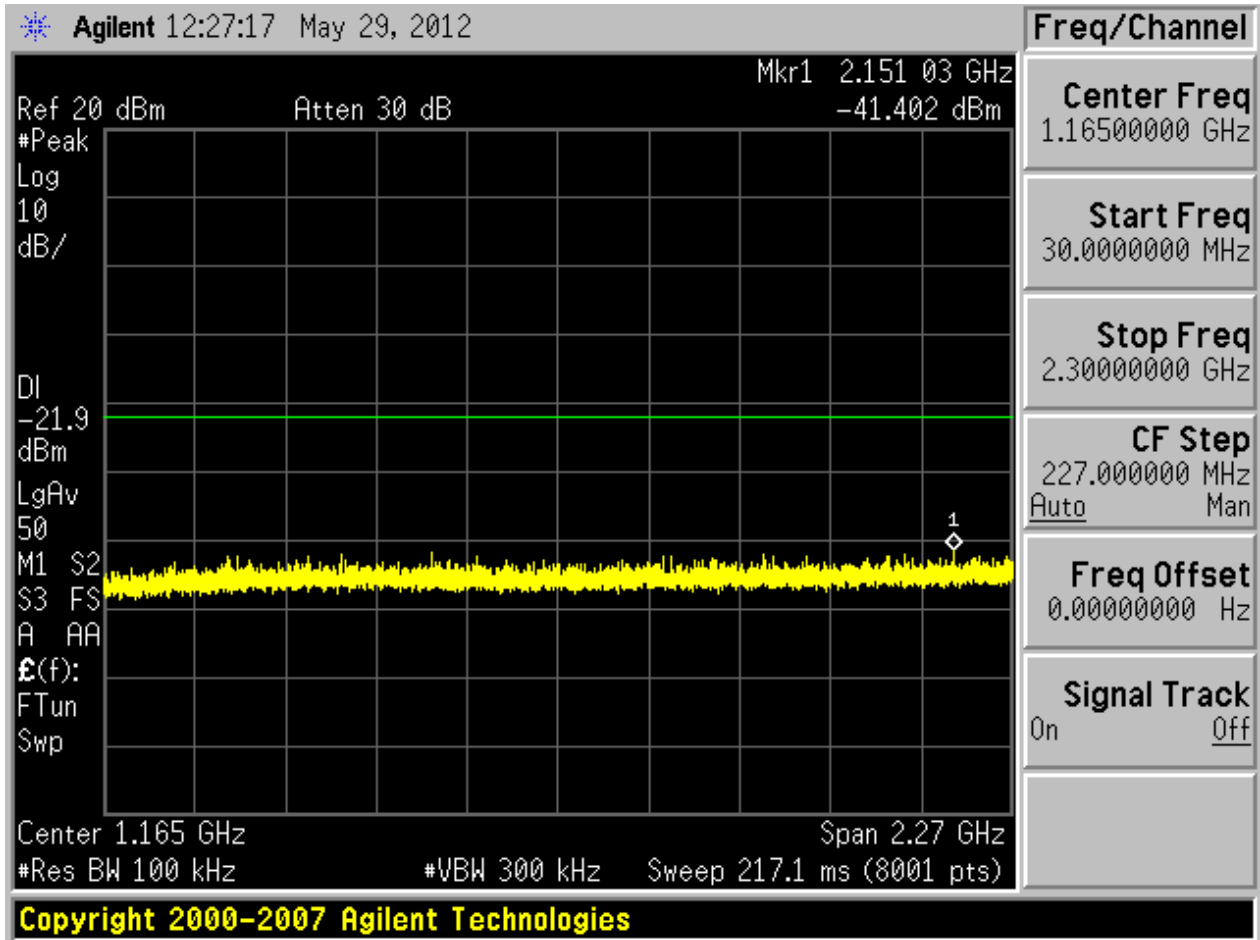
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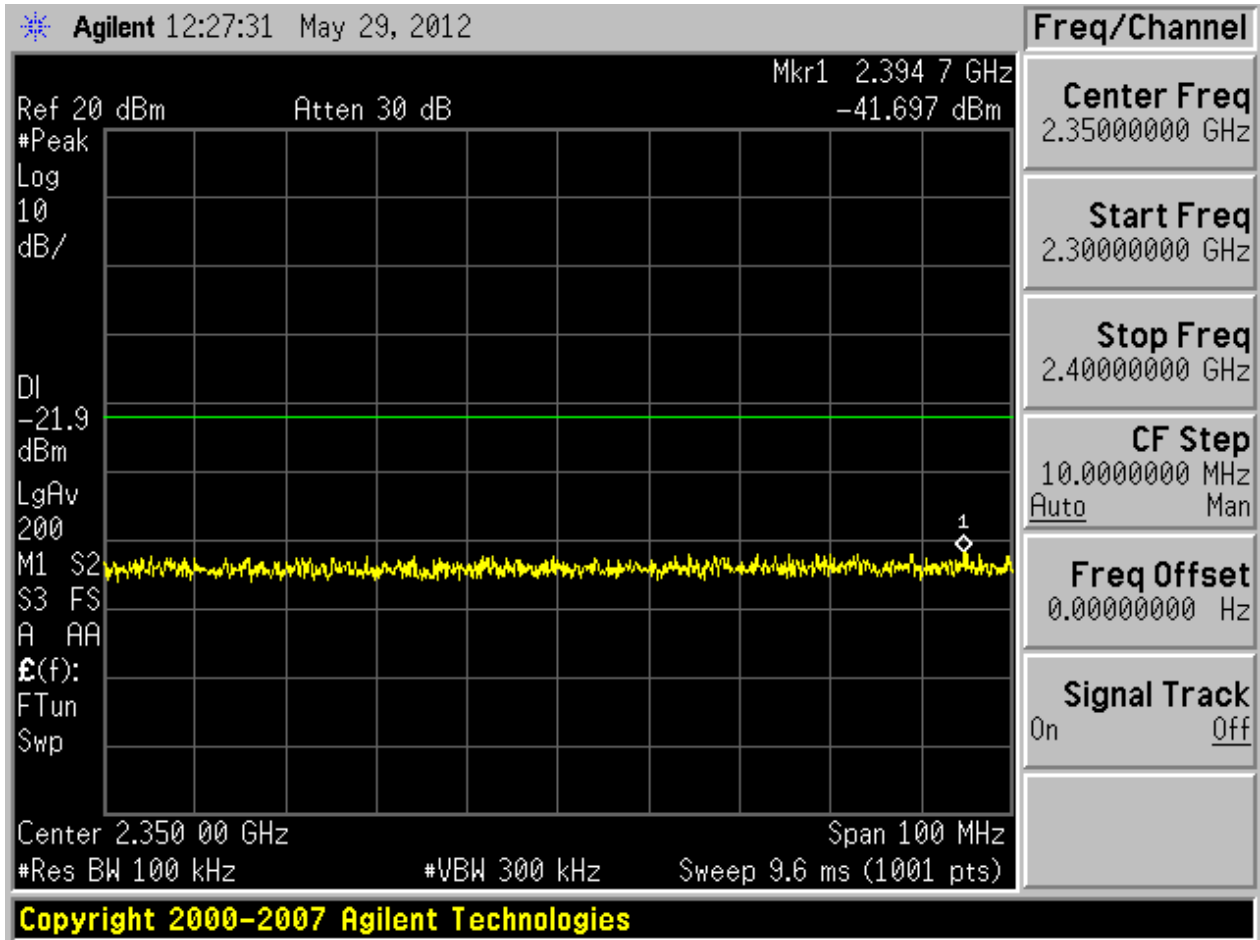


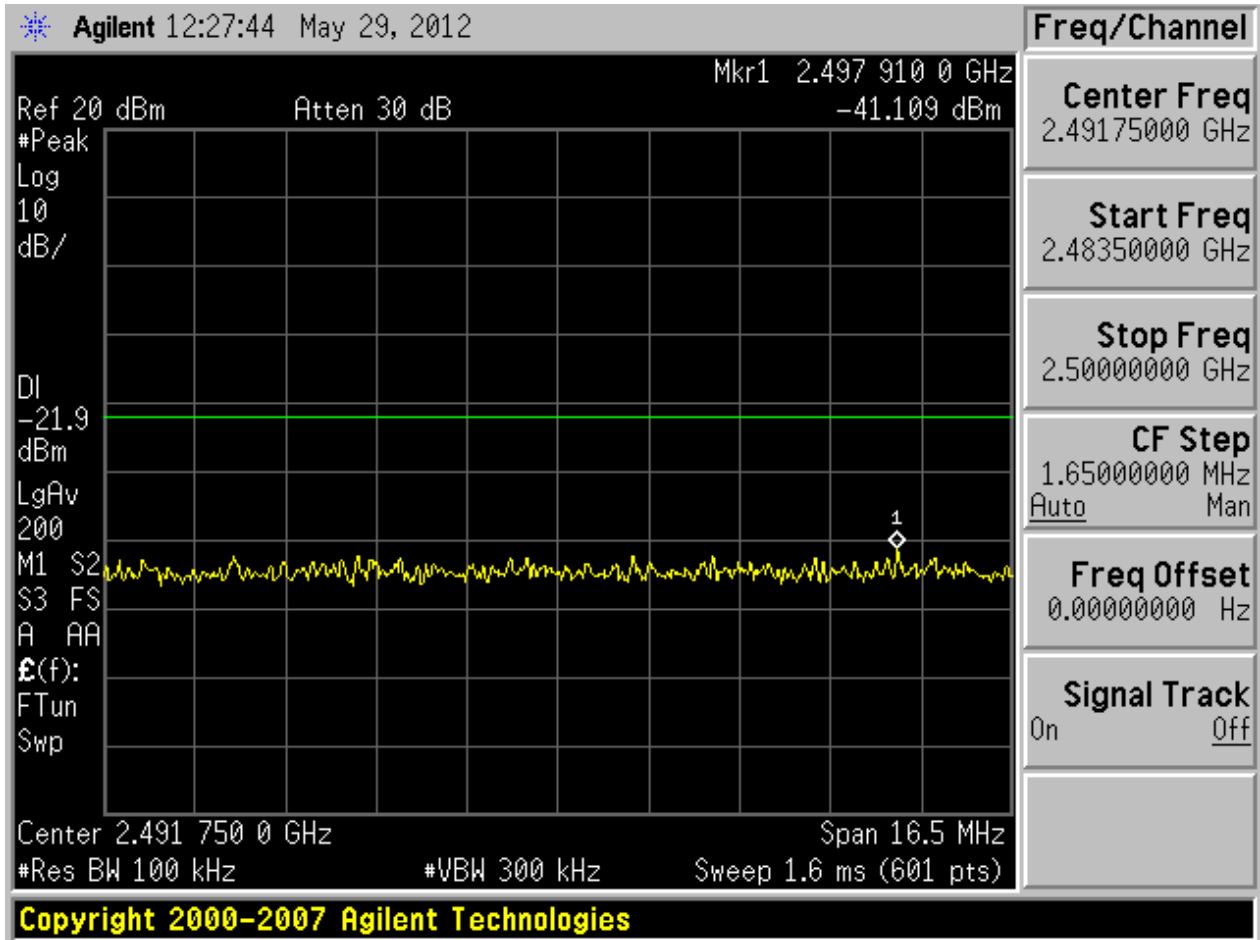
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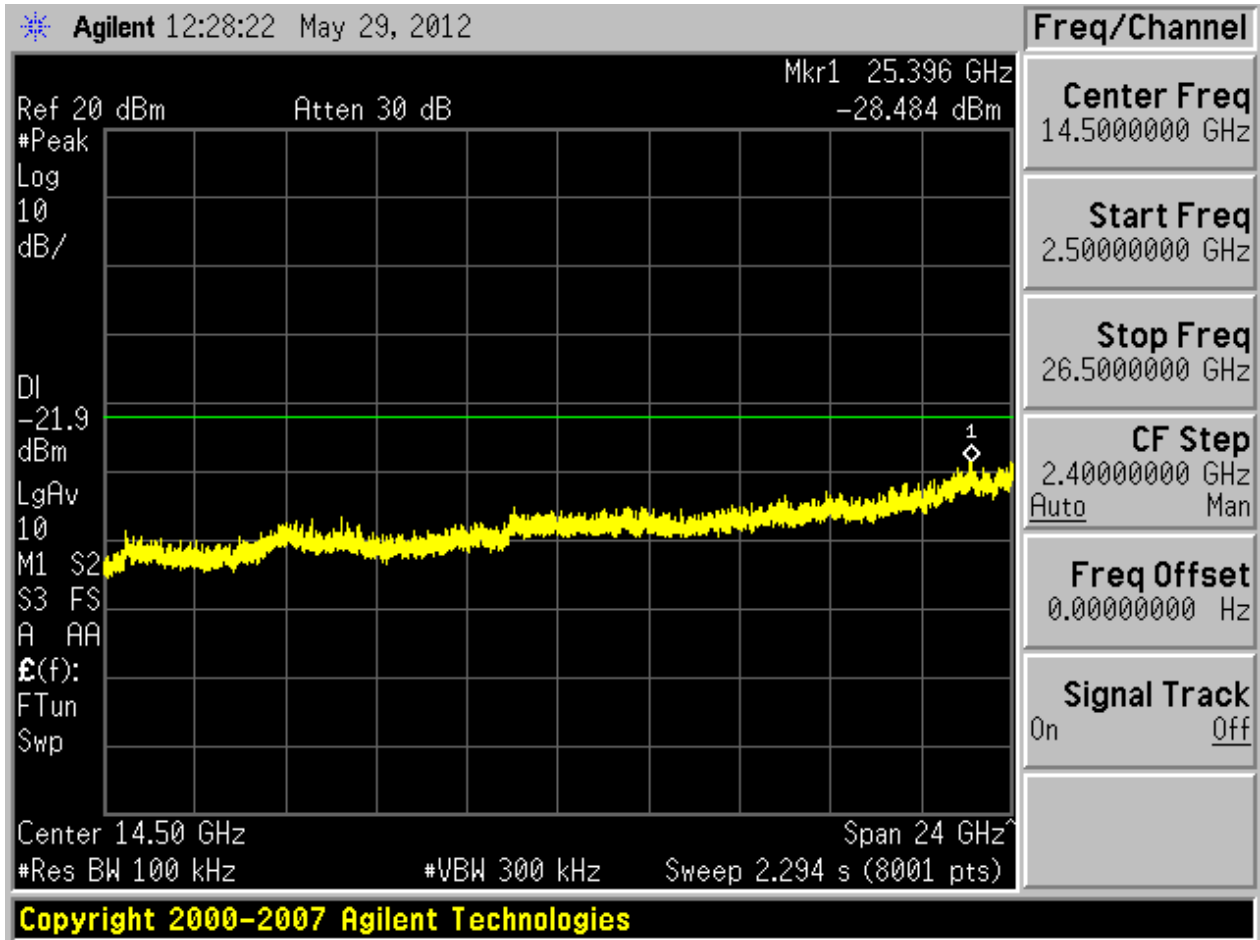






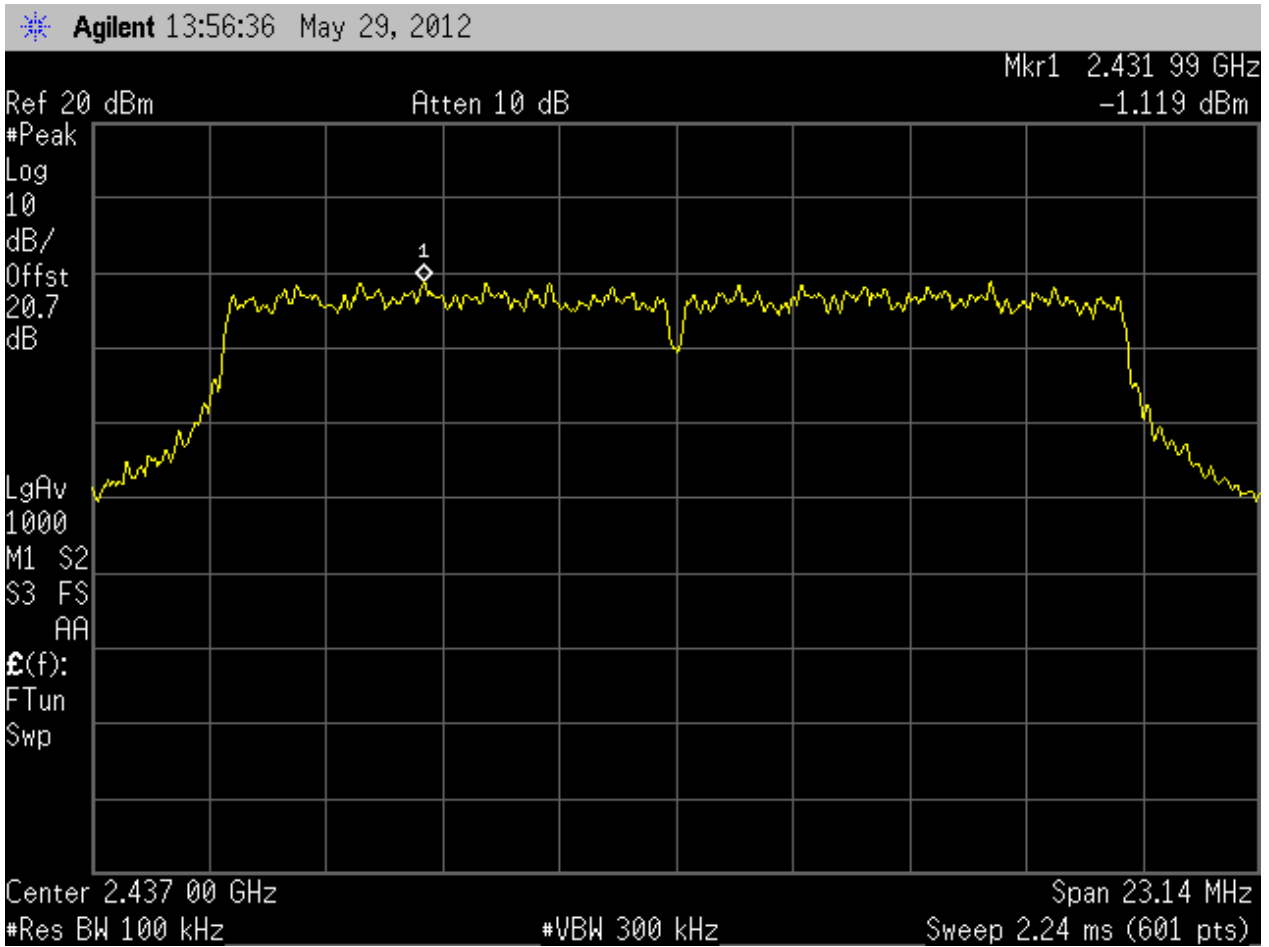




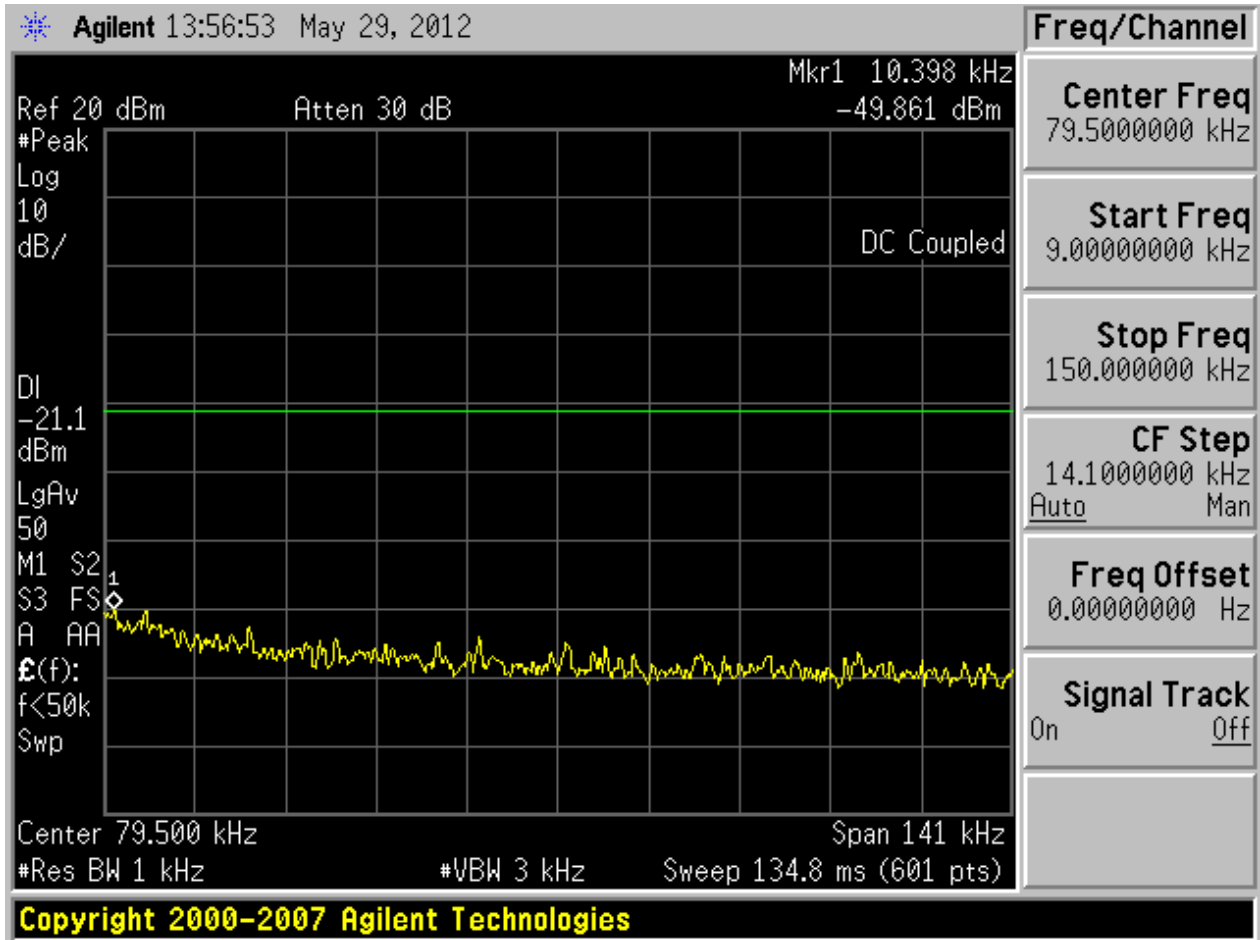


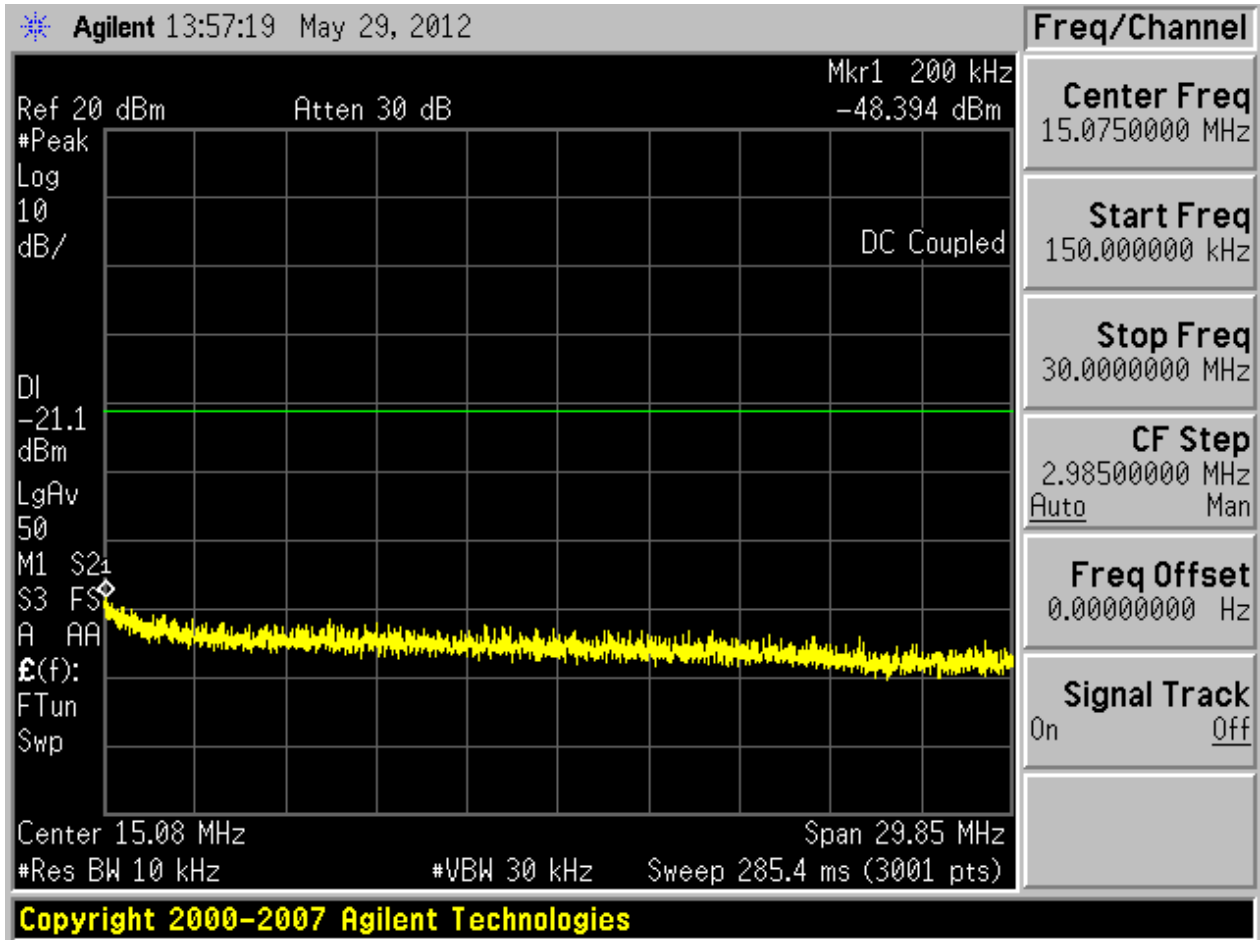
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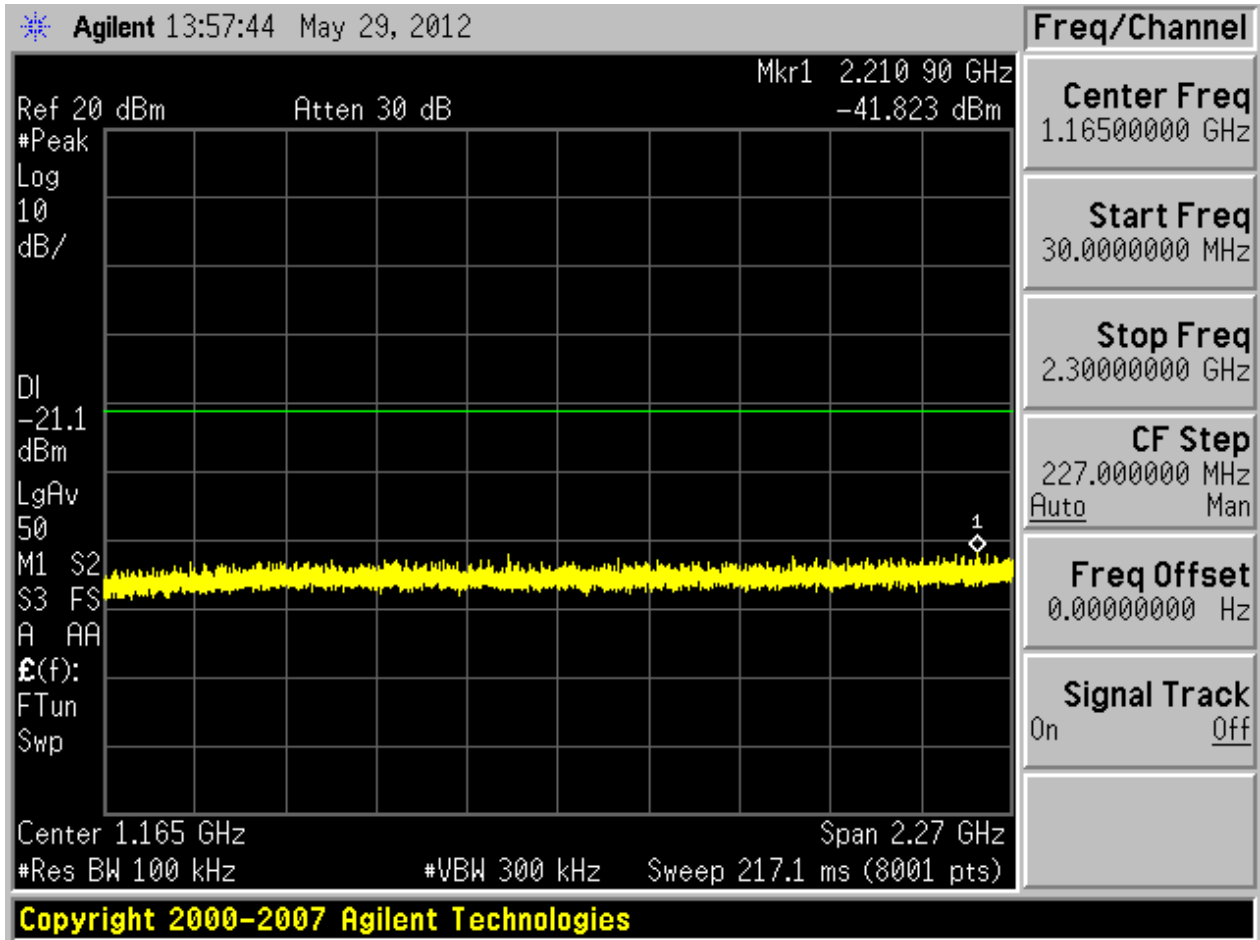
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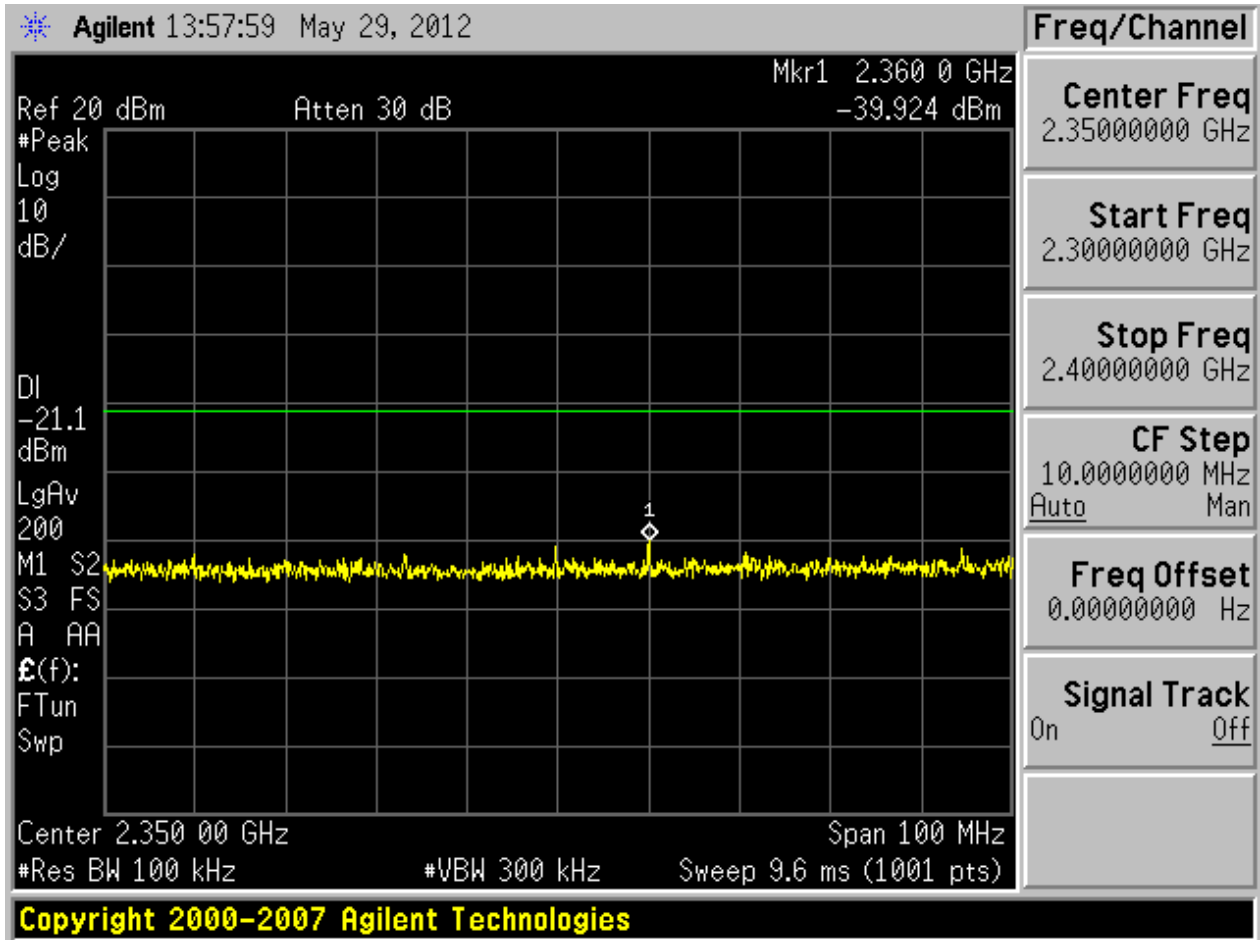


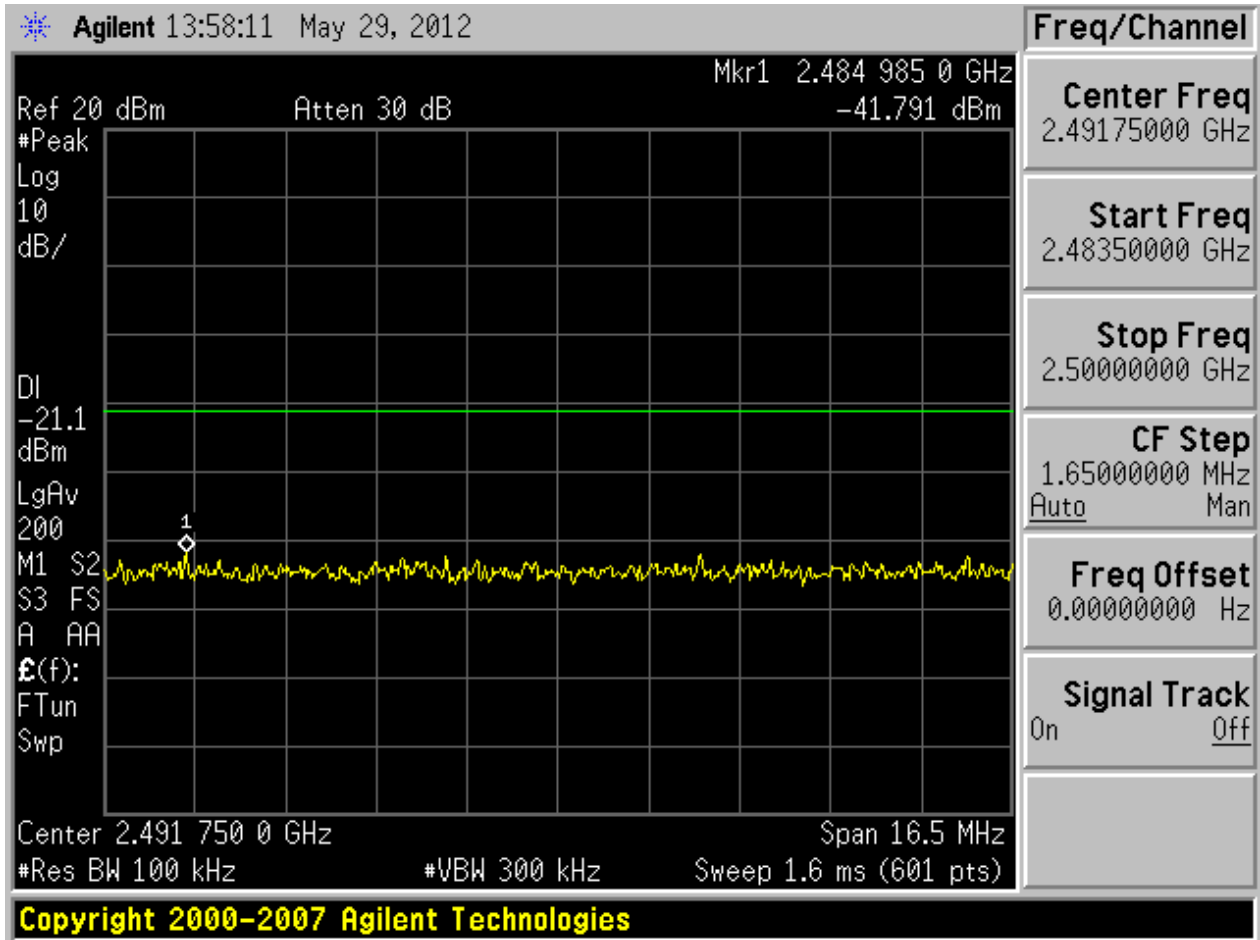
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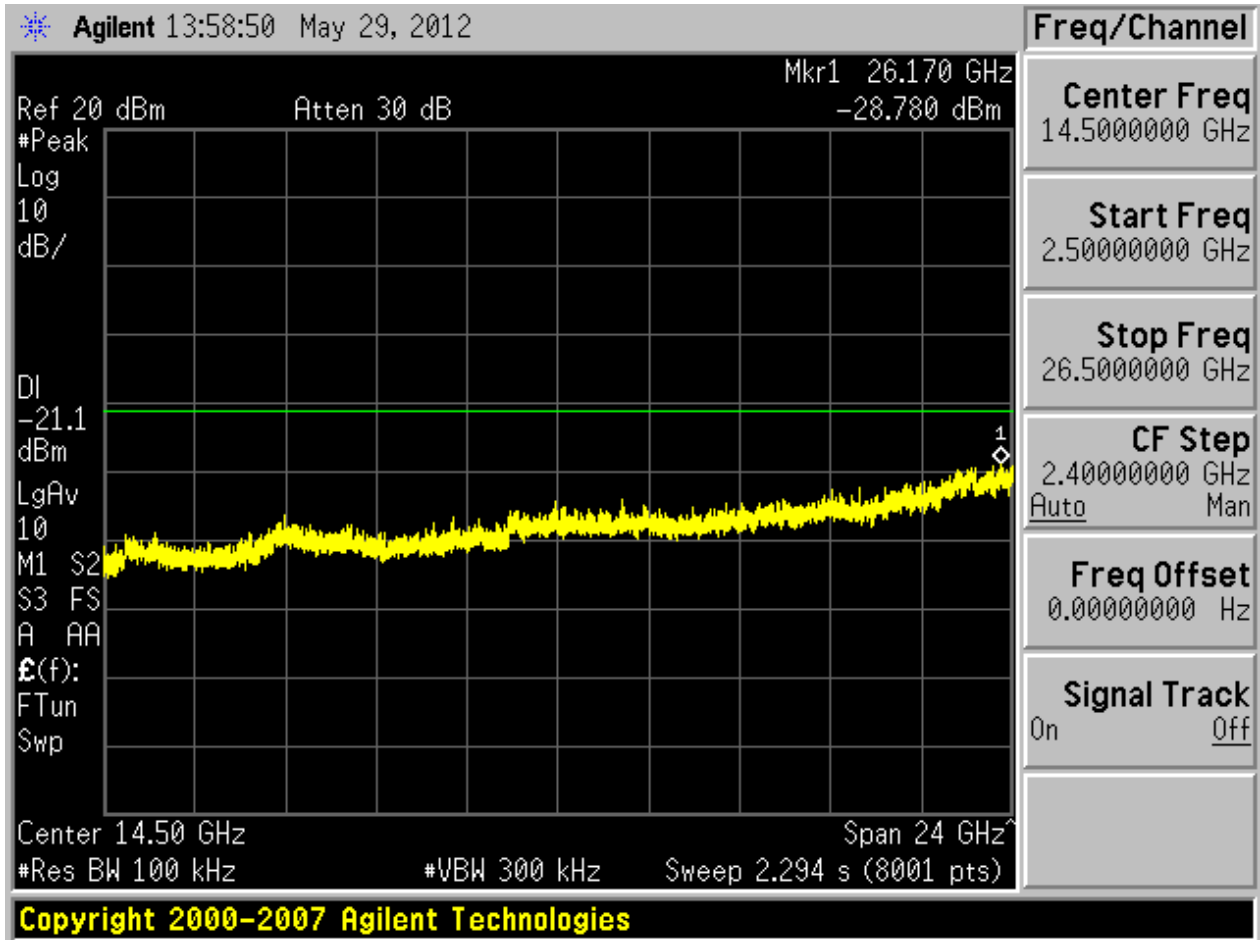








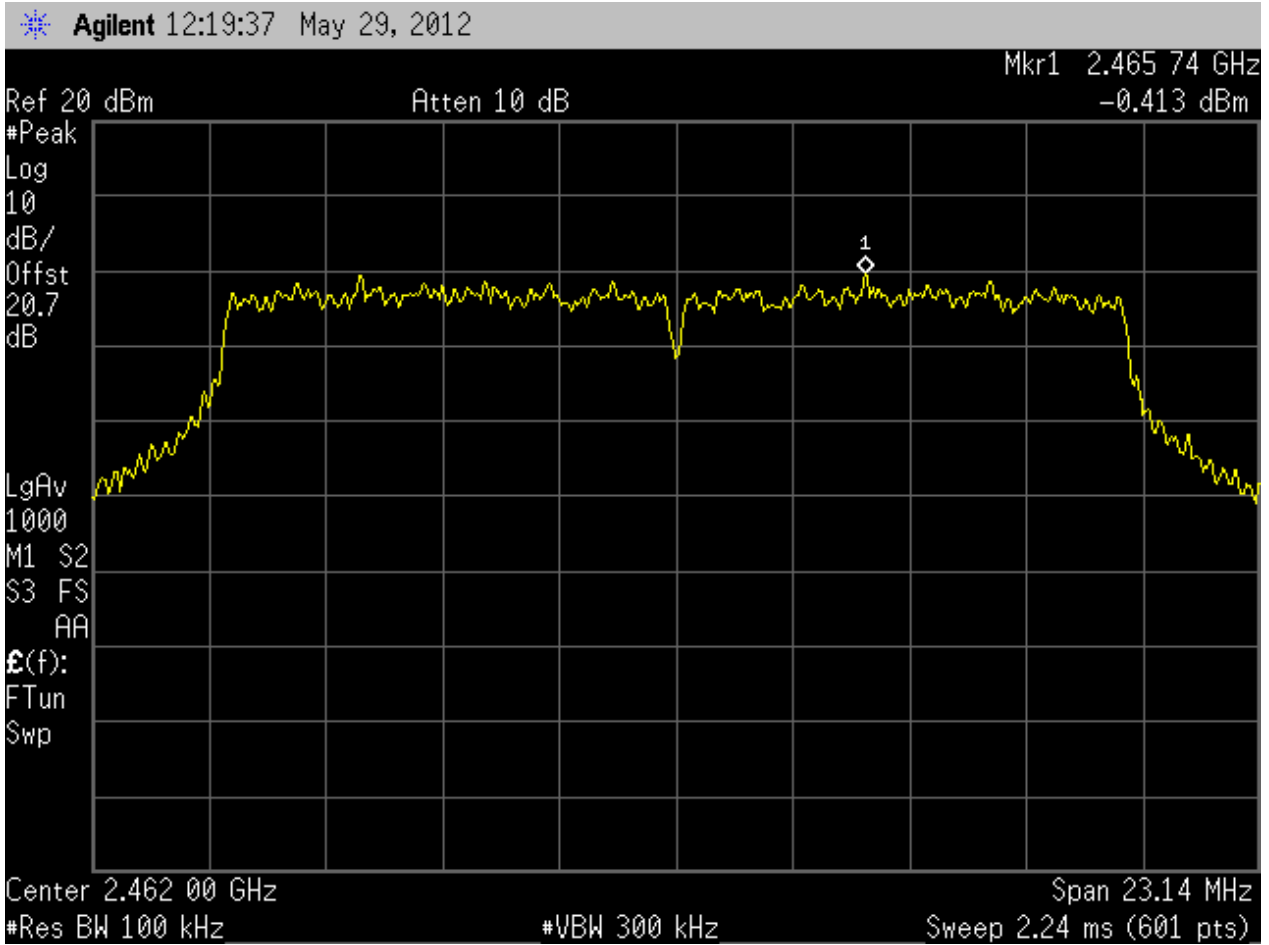




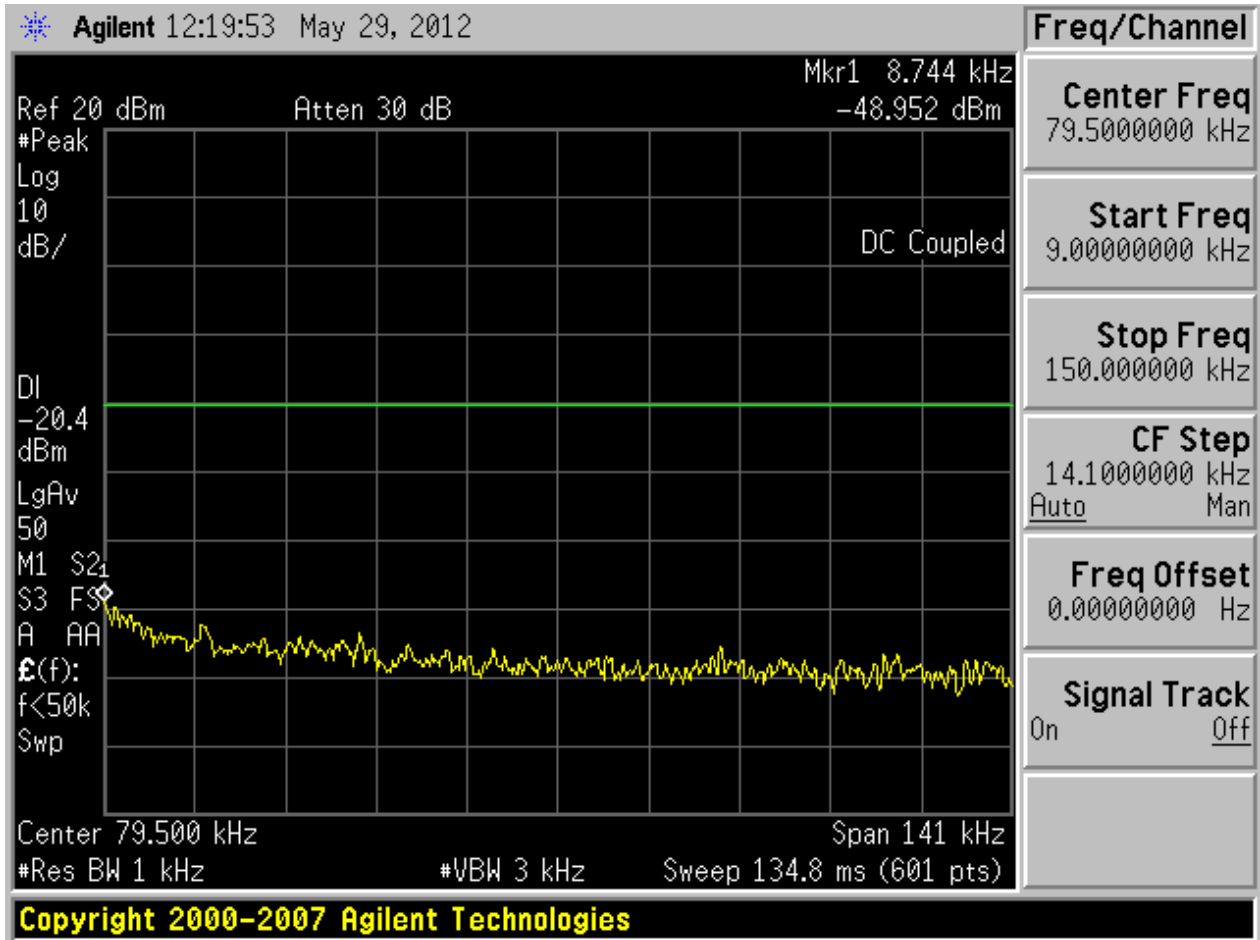
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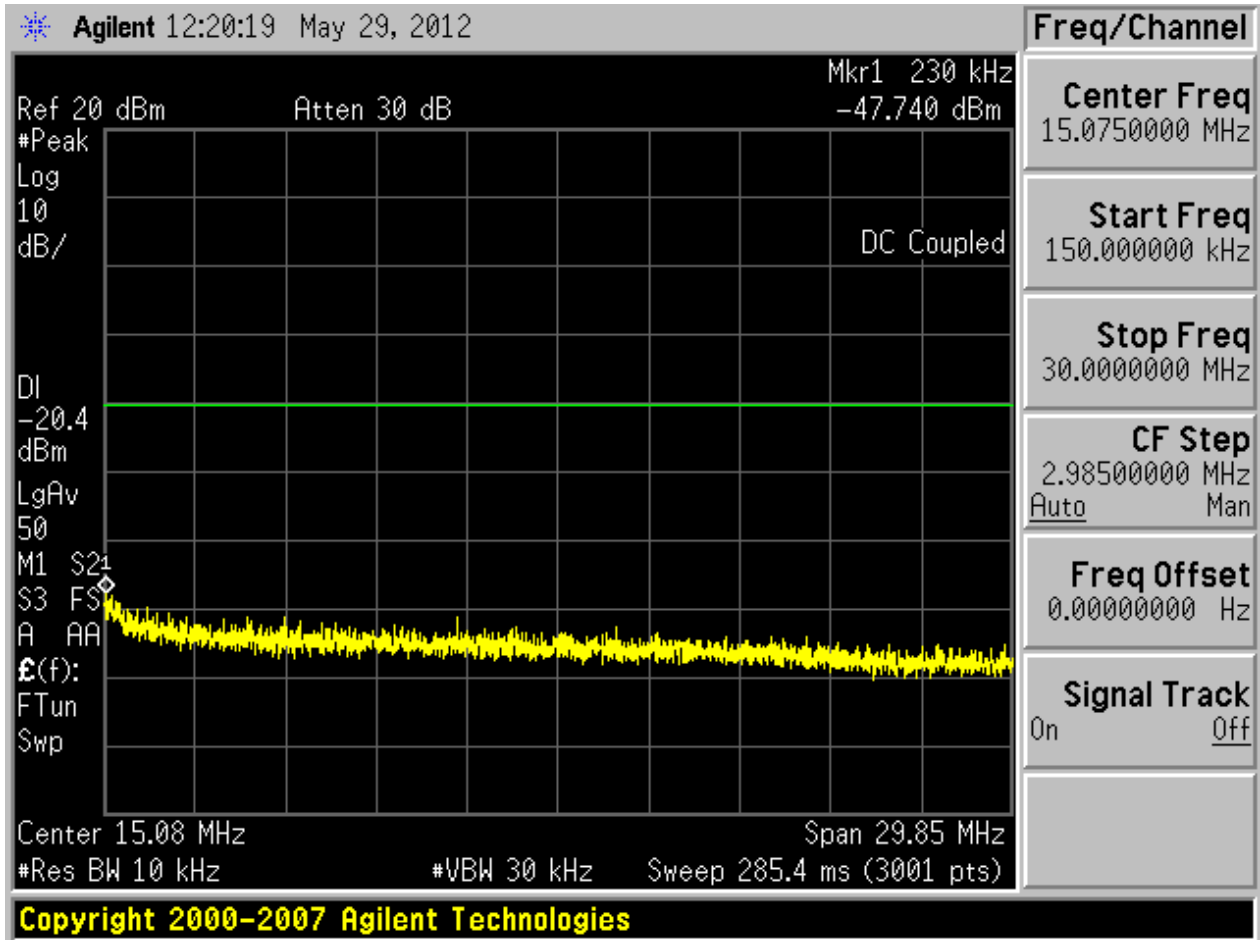
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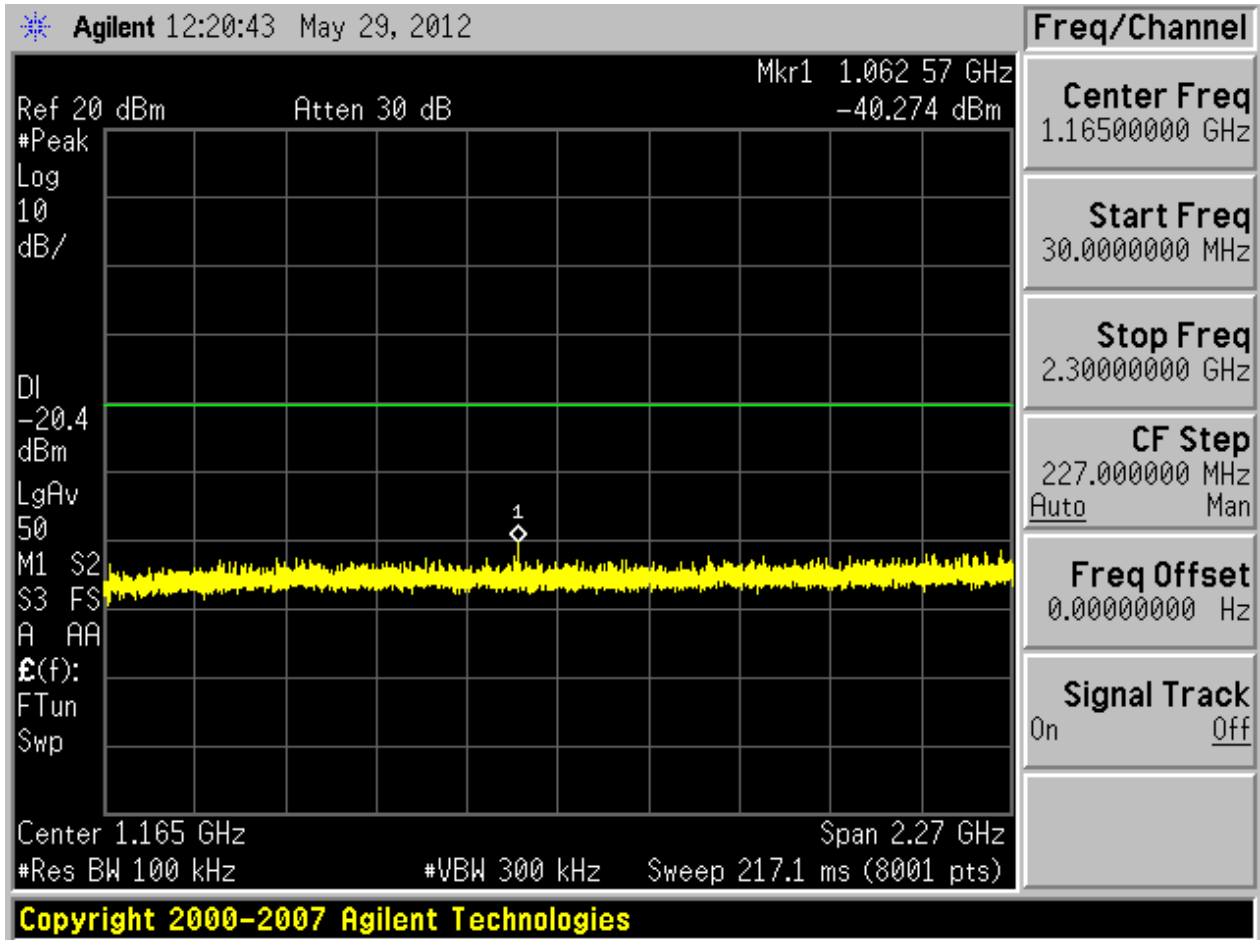
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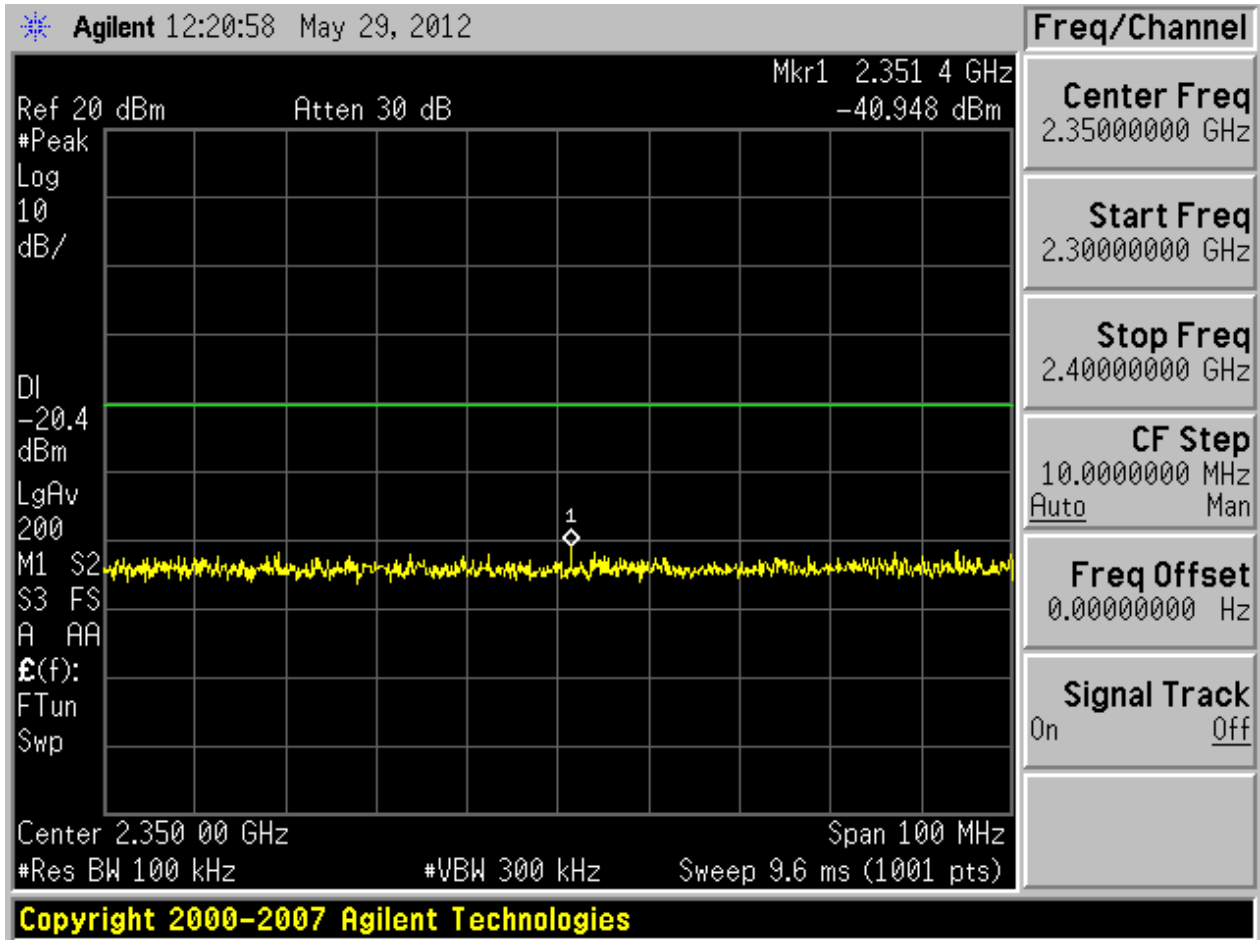


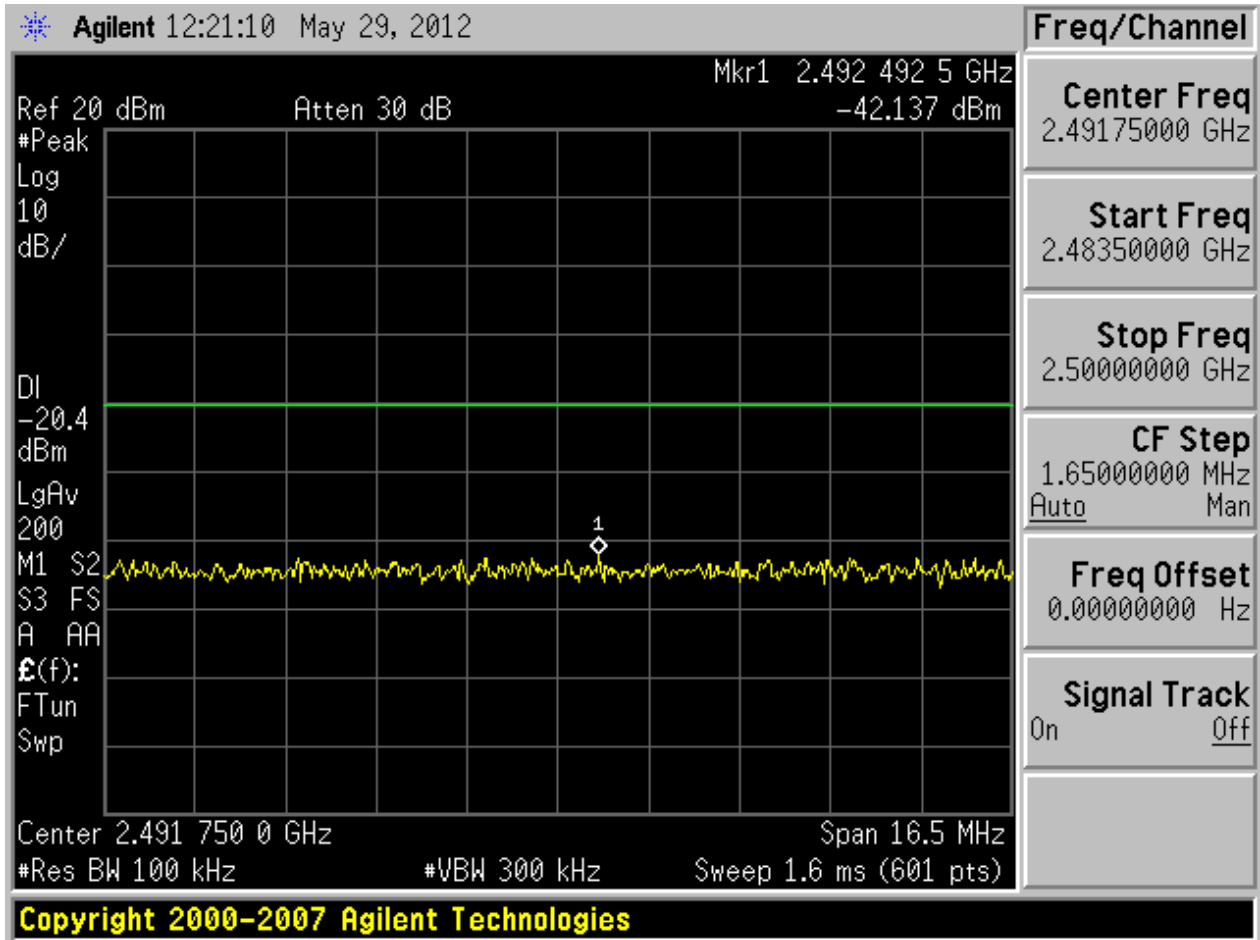
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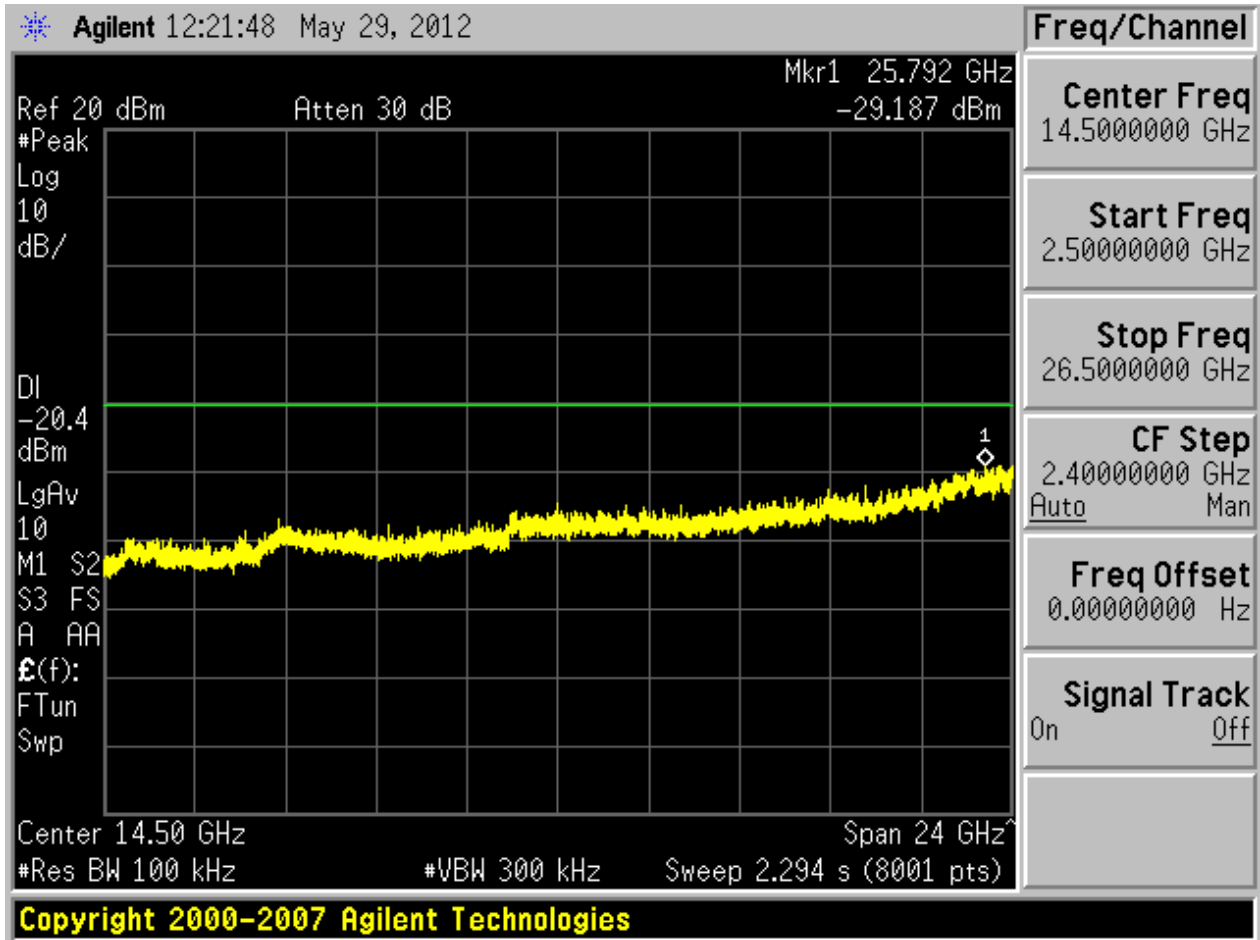






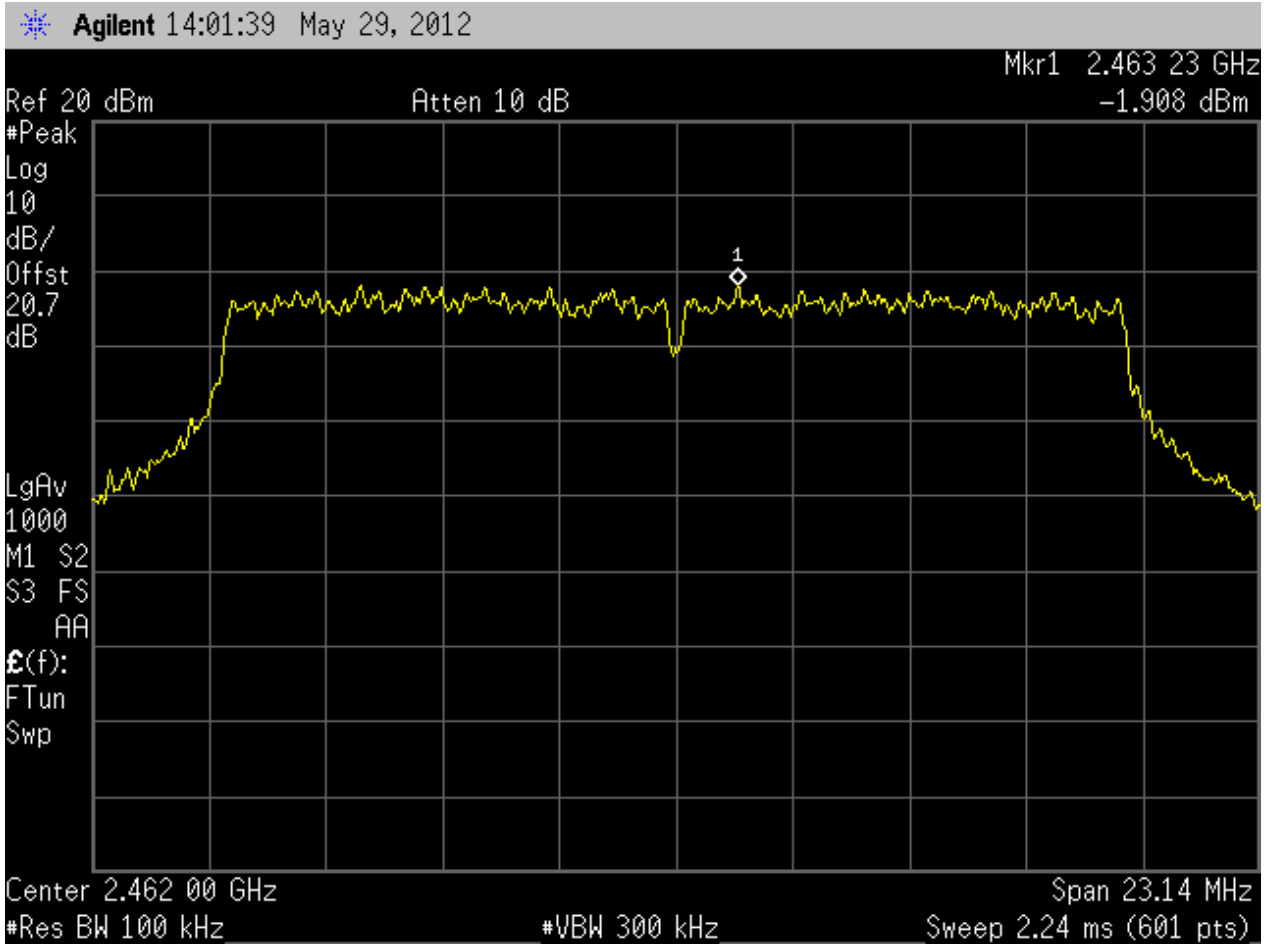




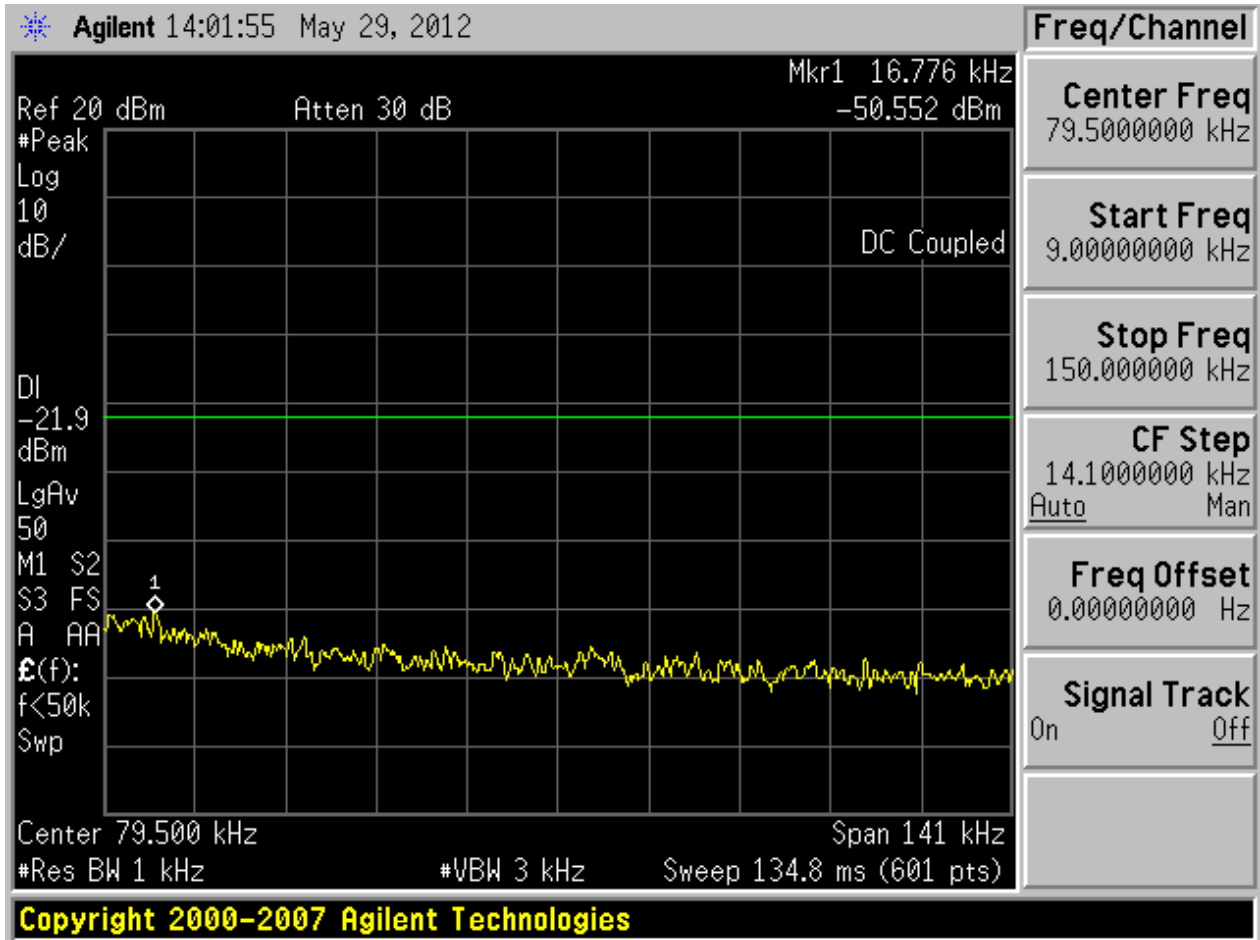


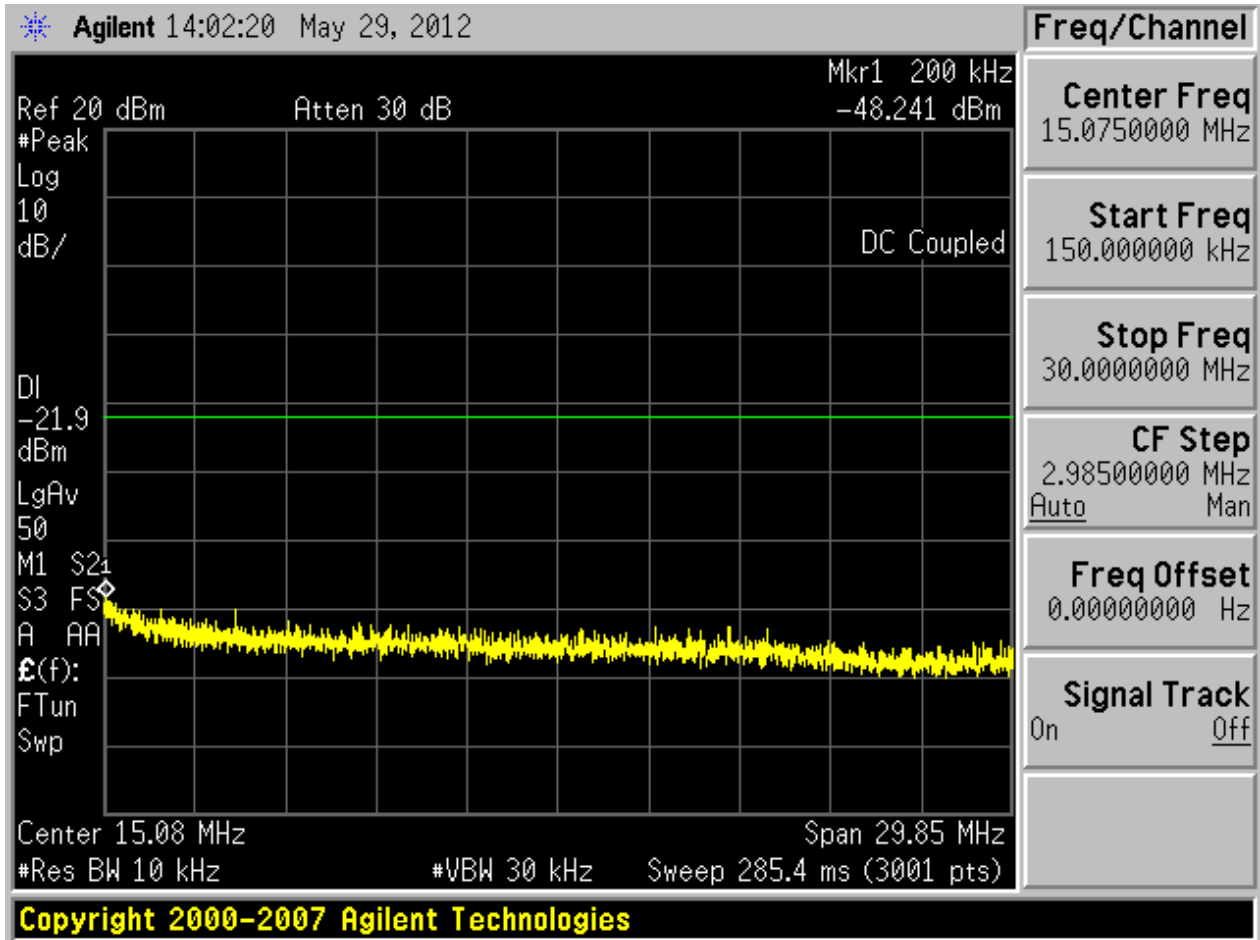
2.21.2 Ant 2

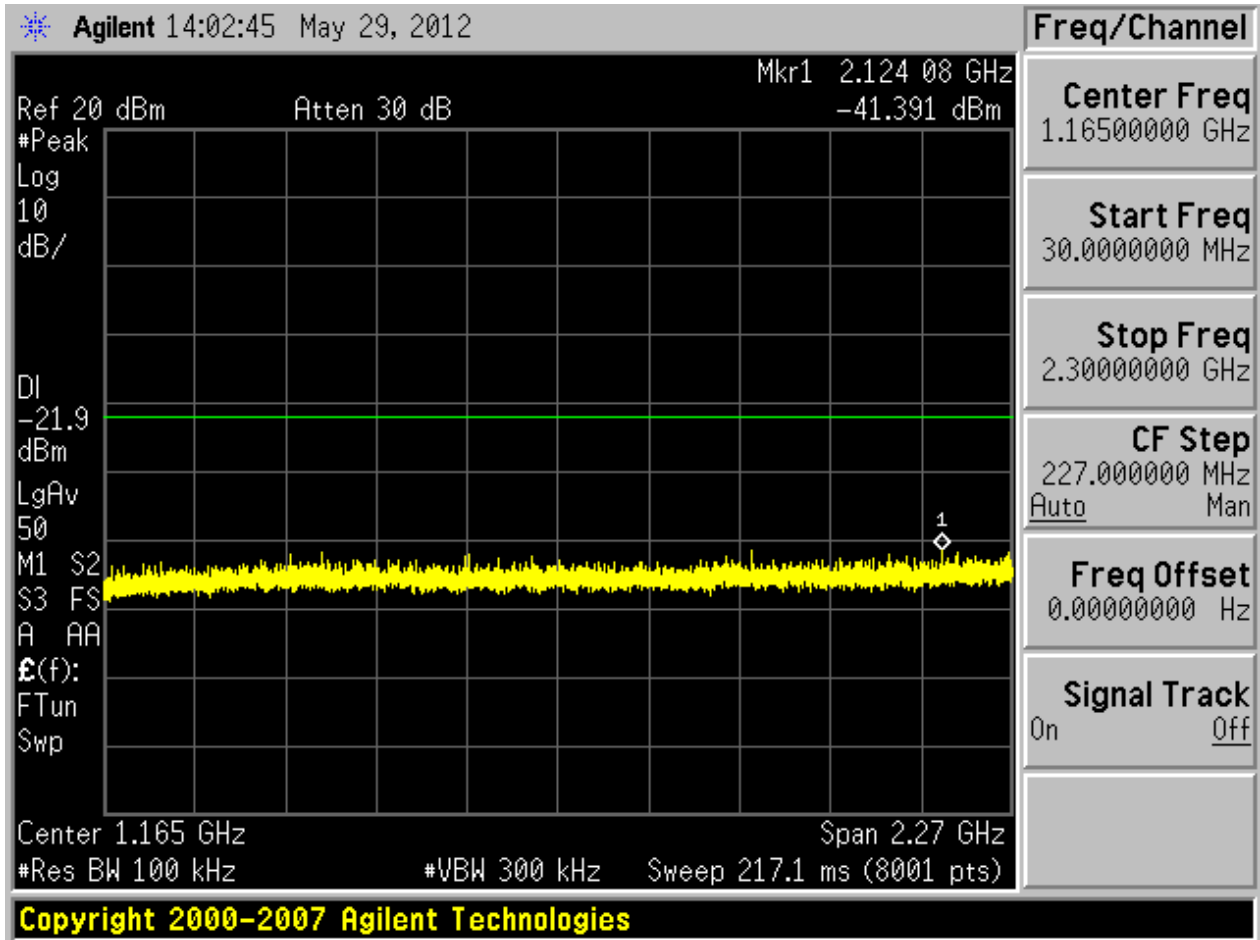
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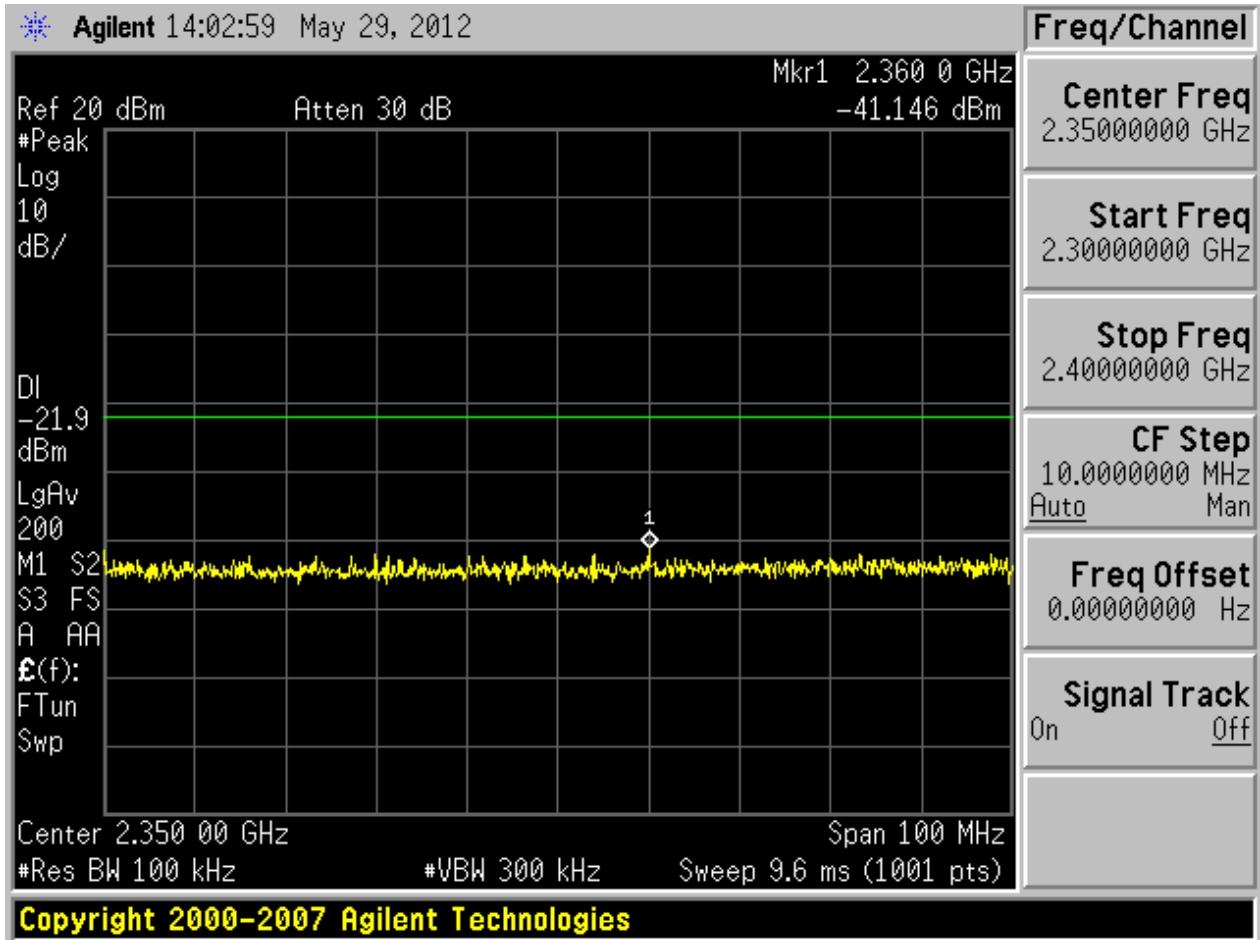


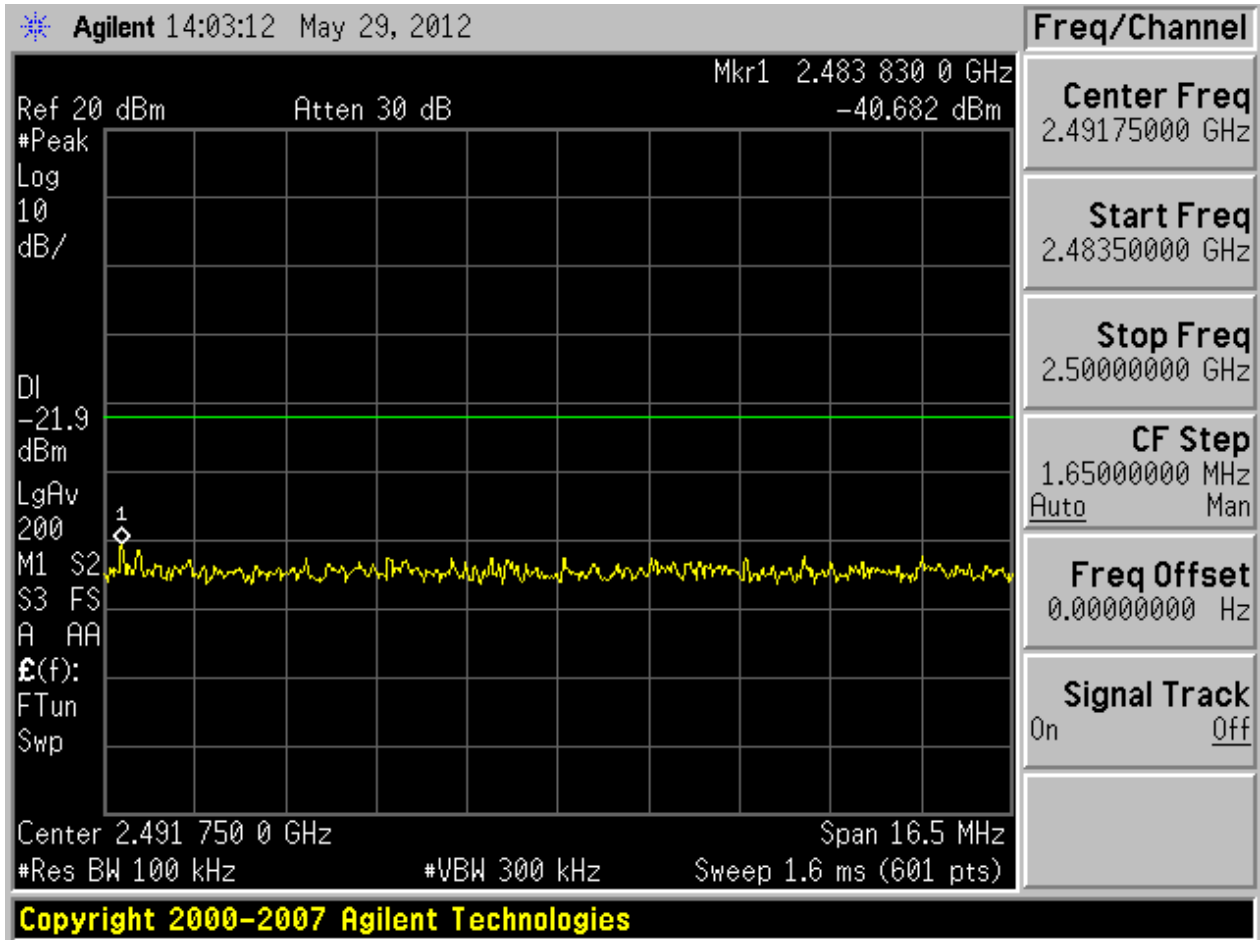
2.21.2.2 P_{uw}

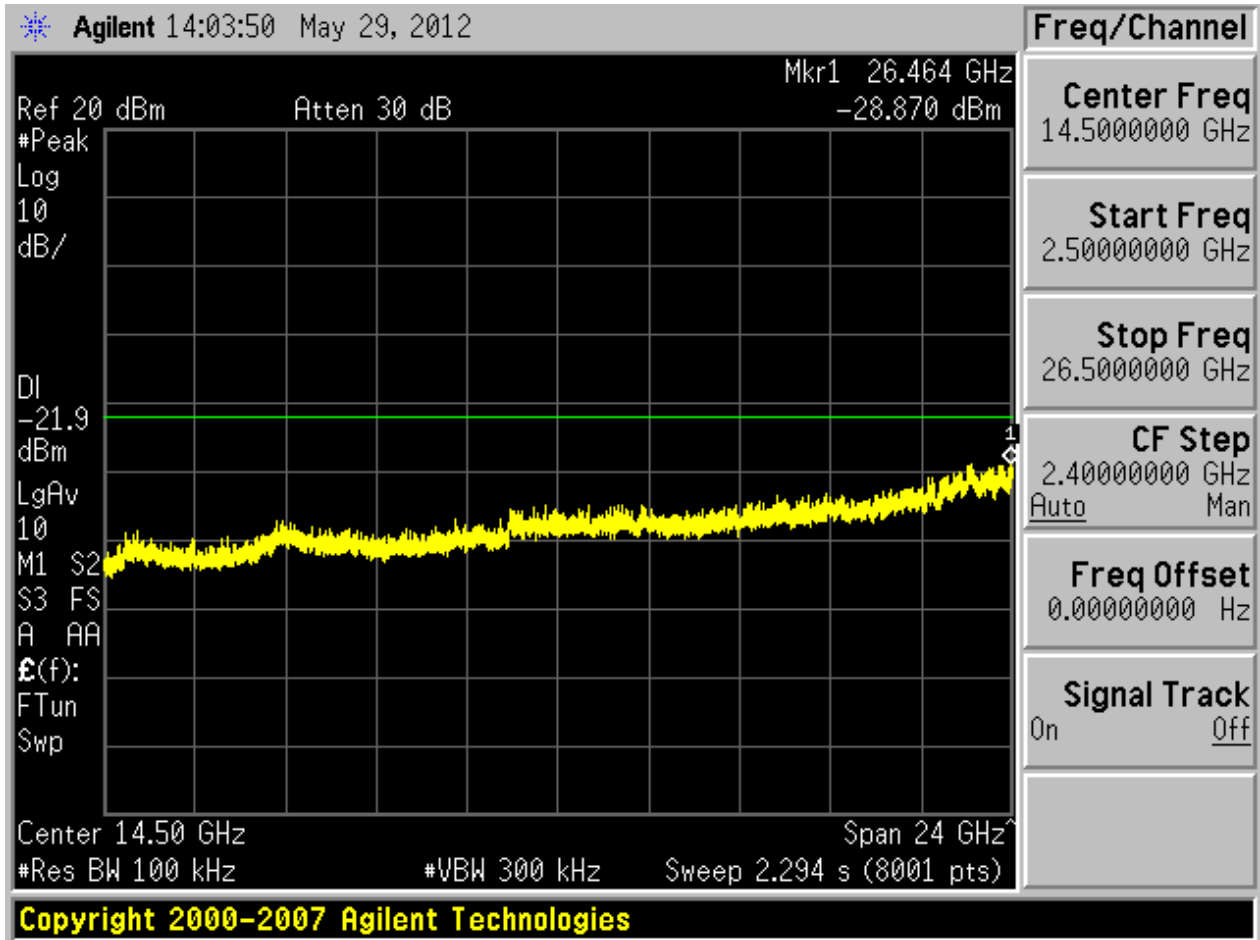














Appendix E.1: Unwanted Emissions into Restricted Frequency Bands (Conducted)

1 Result Table

NOTE 1: According to FCC OET KDB 558074, the limit for conducted measurement is converted by the formula of “ $P_{lim} [dBm] = E_{lim} [dB\mu V/m] + 20 \cdot \log(d [m]) - 104.8 [dB] - G [dBi] - f [dB]$ ”, where:

- “ P_{lim} ” denotes the conducted limit at antenna port,
- “ E_{lim} ” denotes the electric field strength limit,
- “ d ” denotes the measurement distance for radiated measurement,
- “ G ” denotes the antenna gain (max per port), and
- “ f ” denotes the factor to model worst-case ground reflections, that is 6.0 dB for emissions ≤ 30 MHz, 4.7 dB for emissions > 30 MHz and ≤ 1000 MHz, and 0.0 dB for emissions > 1000 MHz.

NOTE 2: The measurement normally contain two steps:

- For the measurement below 1 GHz:
 - (1) Step 1 – Pre-measurement with Peak detector and CISPR Quasi-peak limit;
 - (2) Step 2 – if needed, measurement with CISPR Quasi-peak detector and limit.
- For the measurement above 1 GHz:
 - (1) Step 1 – measurement with Average detector and Average limit;
 - (2) Step 2 – measurement with Peak detector and Peak limit.

NOTE 3: The measurement of unwanted emissions at the edge of the authorized frequency bands can be complicated by the leakage of RF energy from the fundamental emission into the RBW passband. For measurements at the band edges, a narrower RBW is used within the first 1 MHz beyond the fundamental emissions (in this Appendix it refers to the range 2483.5 MHz to 2484.5 MHz) and the measured energy is subsequently integrated over the appropriate reference bandwidth (i.e. 1 MHz).

NOTE 4: For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain and used as respective results for each chain with the limit requirement adjusted by antenna ports number (i.e. the P_{lim} is reduced to “ $P_{lim} [dBm] - 10 \cdot \log(N) [dB]$ ”, in which N denotes the antenna ports number used by smart antenna systems). It should be noted that the above procedure is an easy-operation consideration, for the accurate judgment, the test should be performed at each chain and sum the spectra across all outputs.

NOTE 5: In this document, the “< Limit” in results table denotes “Not found obvious spikes, or see marked spikes on plots or listed emissions in result tables”.

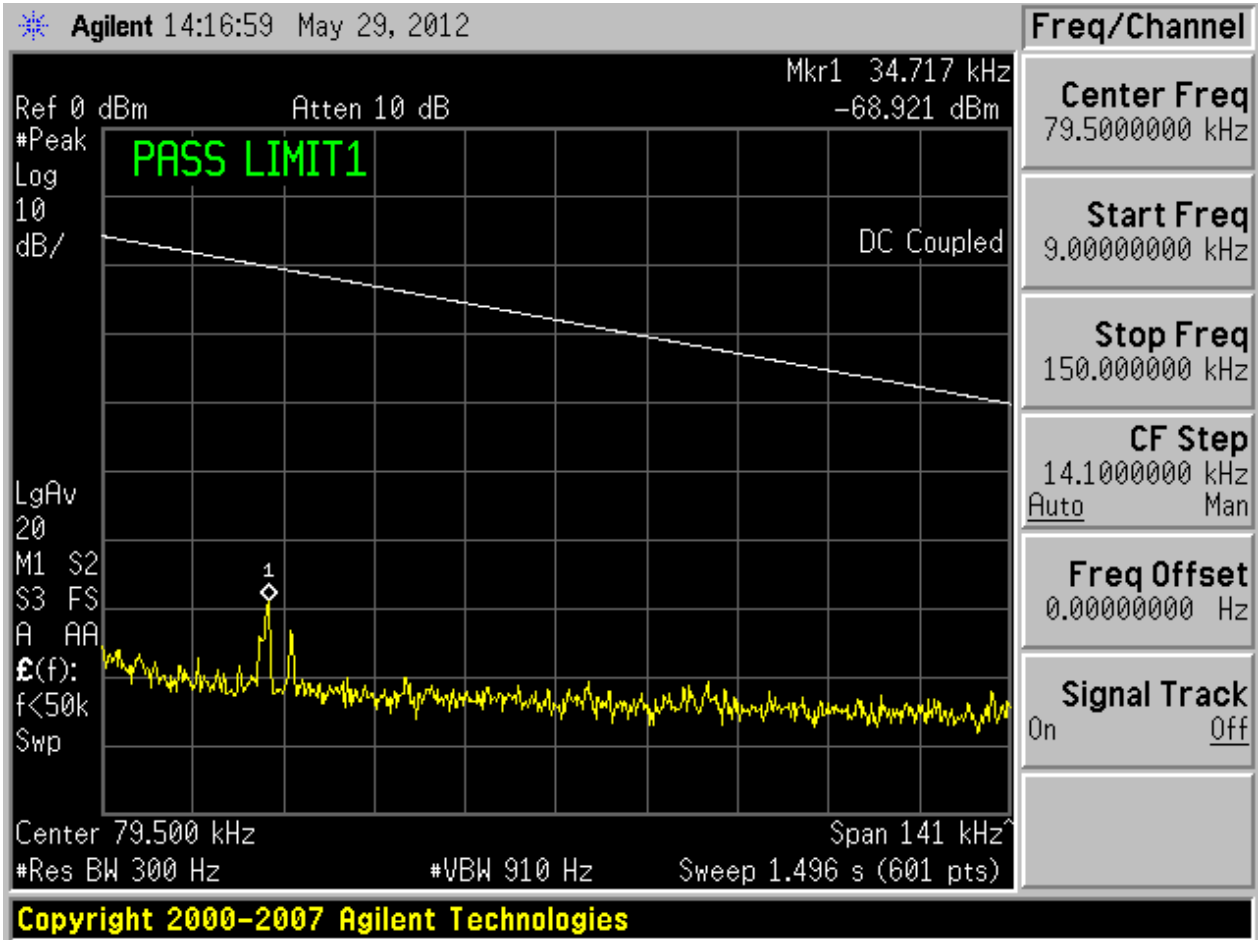
| EUT Conf. | Maximum Emissions | Verdict |
|-----------|-------------------|---------|
| 11B/1_B@1 | < Limit | Pass |
| 11B/1_B@2 | < Limit | Pass |
| 11B/1_M@1 | < Limit | Pass |
| 11B/1_M@2 | < Limit | Pass |
| 11B/1_T@1 | < Limit | Pass |
| 11B/1_T@2 | < Limit | Pass |
| 11G/6_B@1 | < Limit | Pass |
| 11G/6_B@2 | < Limit | Pass |
| 11G/6_M@1 | < Limit | Pass |

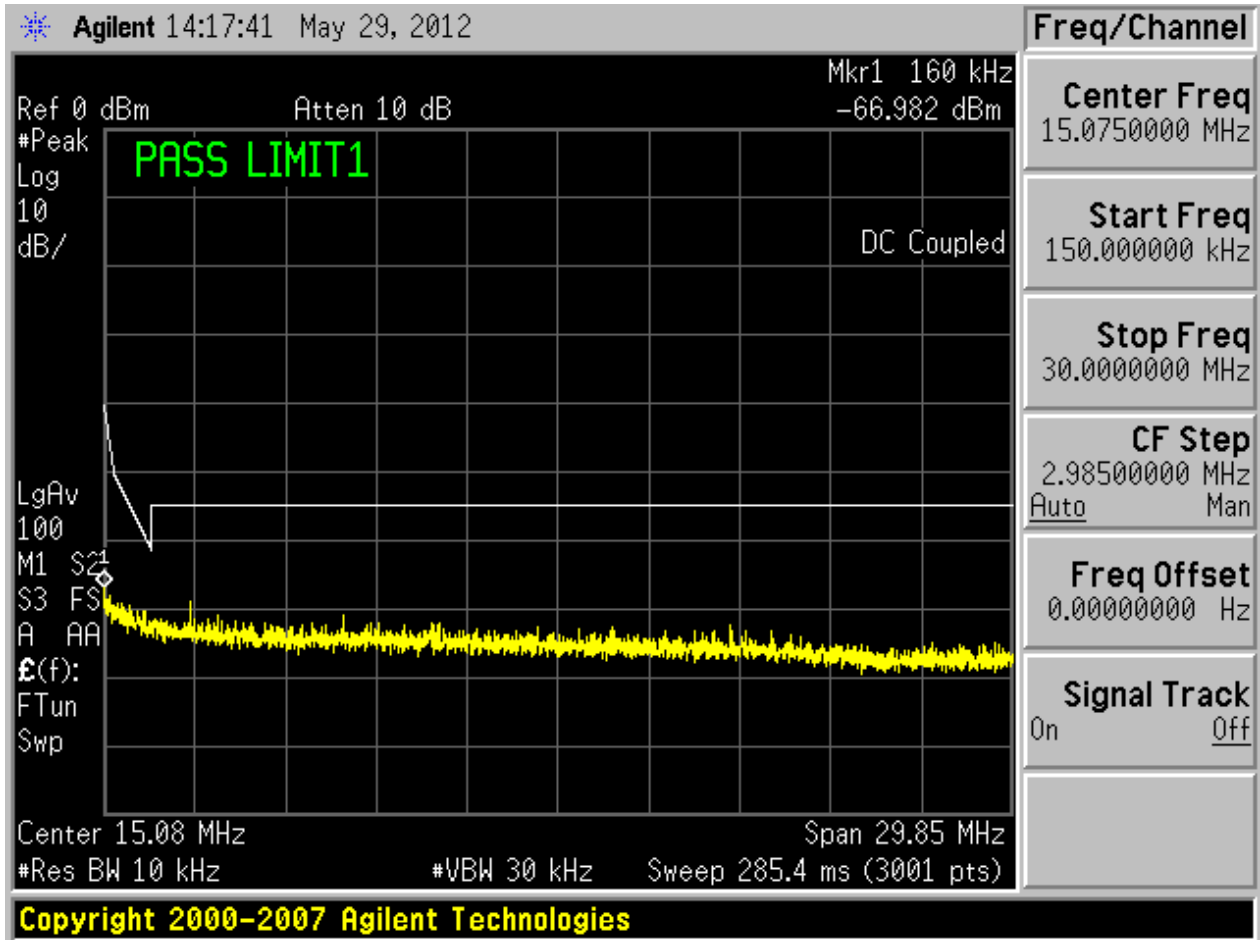


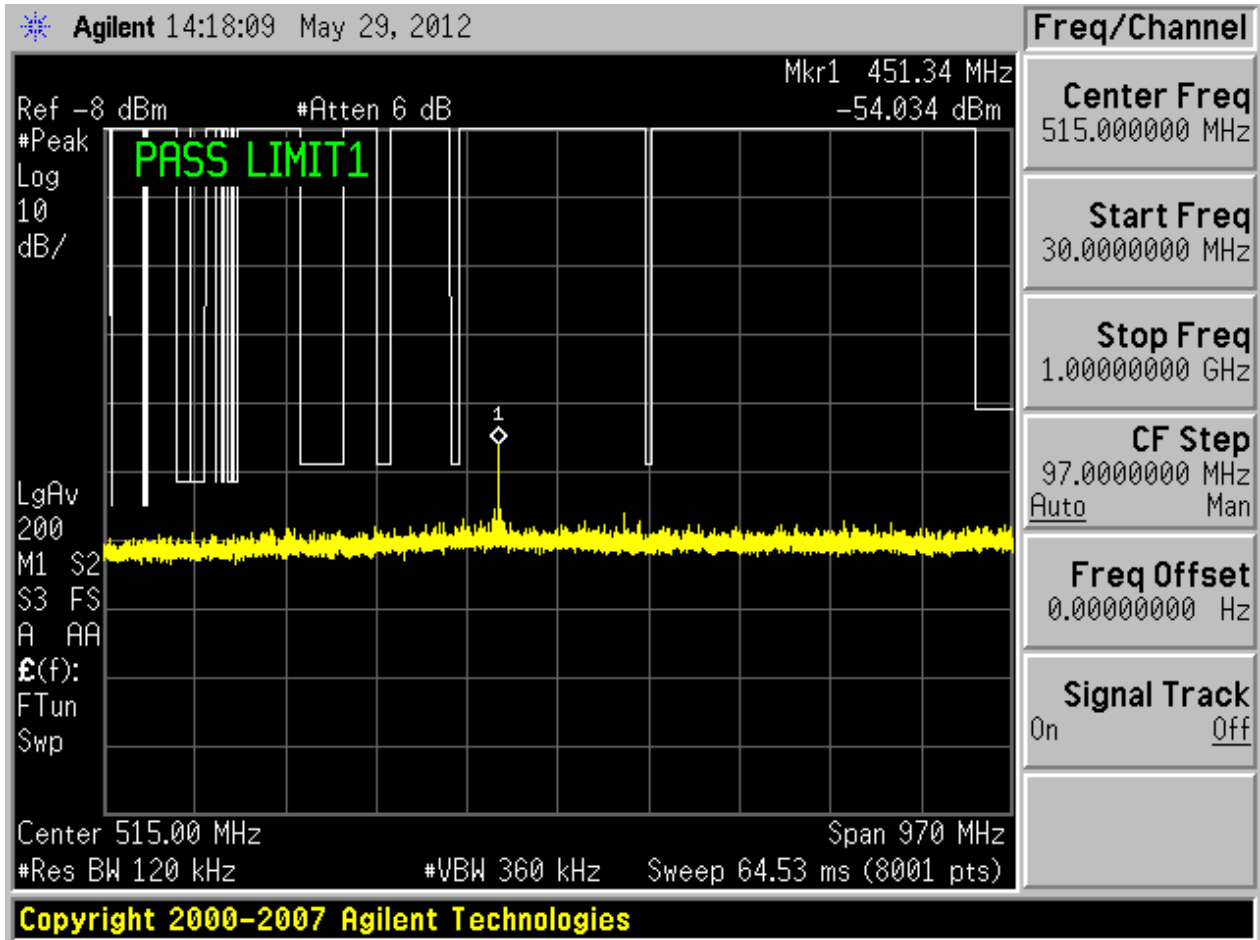
| EUT Conf. | Maximum Emissions | Verdict |
|----------------|---------------------------------------------------------------------------------------------------------------|---------|
| 11G/6_M@2 | < Limit | Pass |
| 11G/6_T@1 | < Limit | Pass |
| 11G/6_T@2 | < Limit | Pass |
| 11N20/0_B@1 | < Limit | Pass |
| 11N20/0_B@2 | < Limit | Pass |
| 11N20/0_M@1 | < Limit | Pass |
| 11N20/0_M@2 | < Limit | Pass |
| 11N20/0_T@1 | < Limit | Pass |
| 11N20/0_T@2 | < Limit | Pass |
| 11N20m/8_B@1+2 | < Limit (also see the description in NOTE 4 about procedures for failed-plots in the range 2300 to 2500 MHz.) | Pass |
| 11N20m/8_M@1+2 | < Limit (also see the description in NOTE 4 about procedures for failed-plots in the range 2300 to 2500 MHz.) | Pass |
| 11N20m/8_T@1+2 | < Limit | Pass |

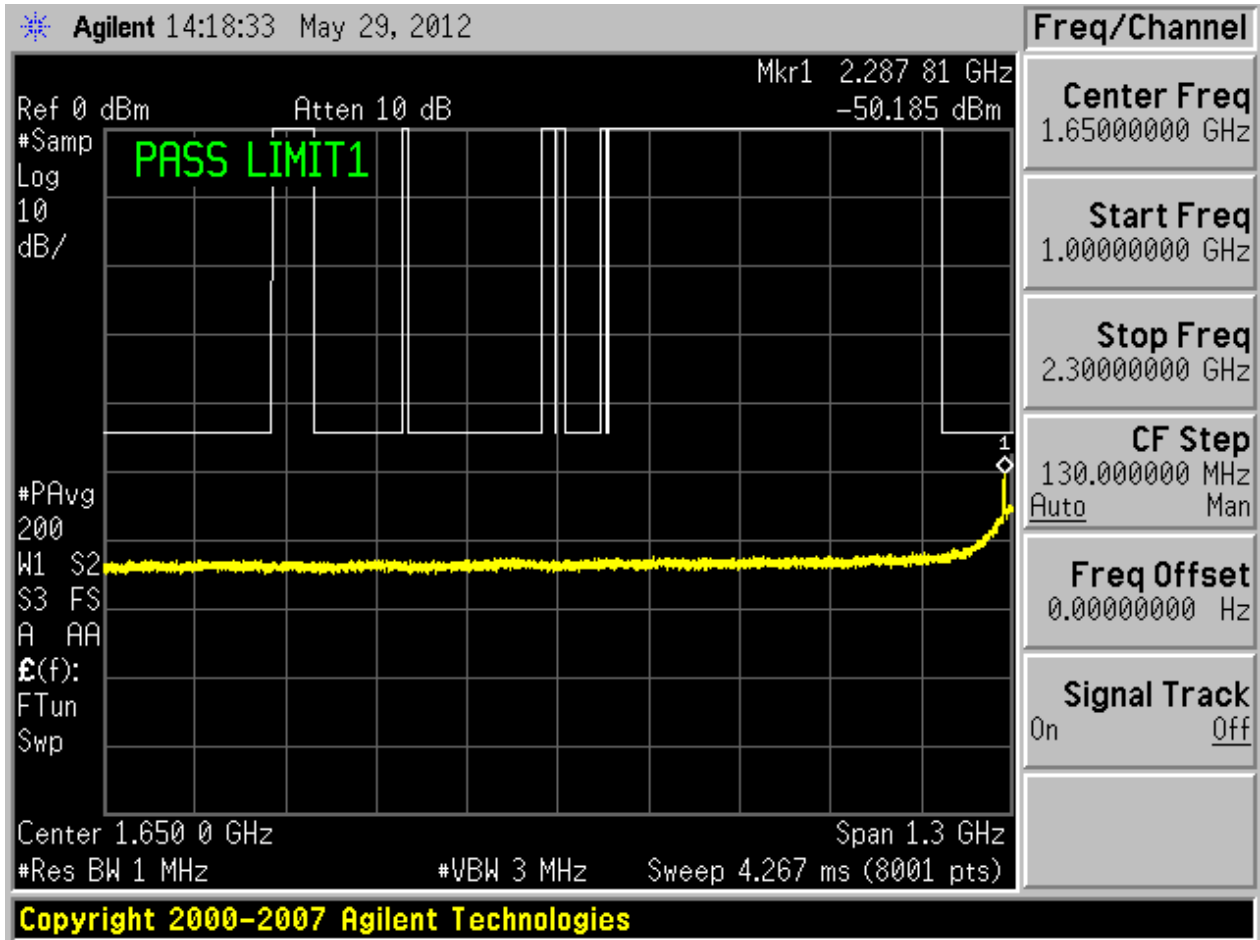
2 Result Plot

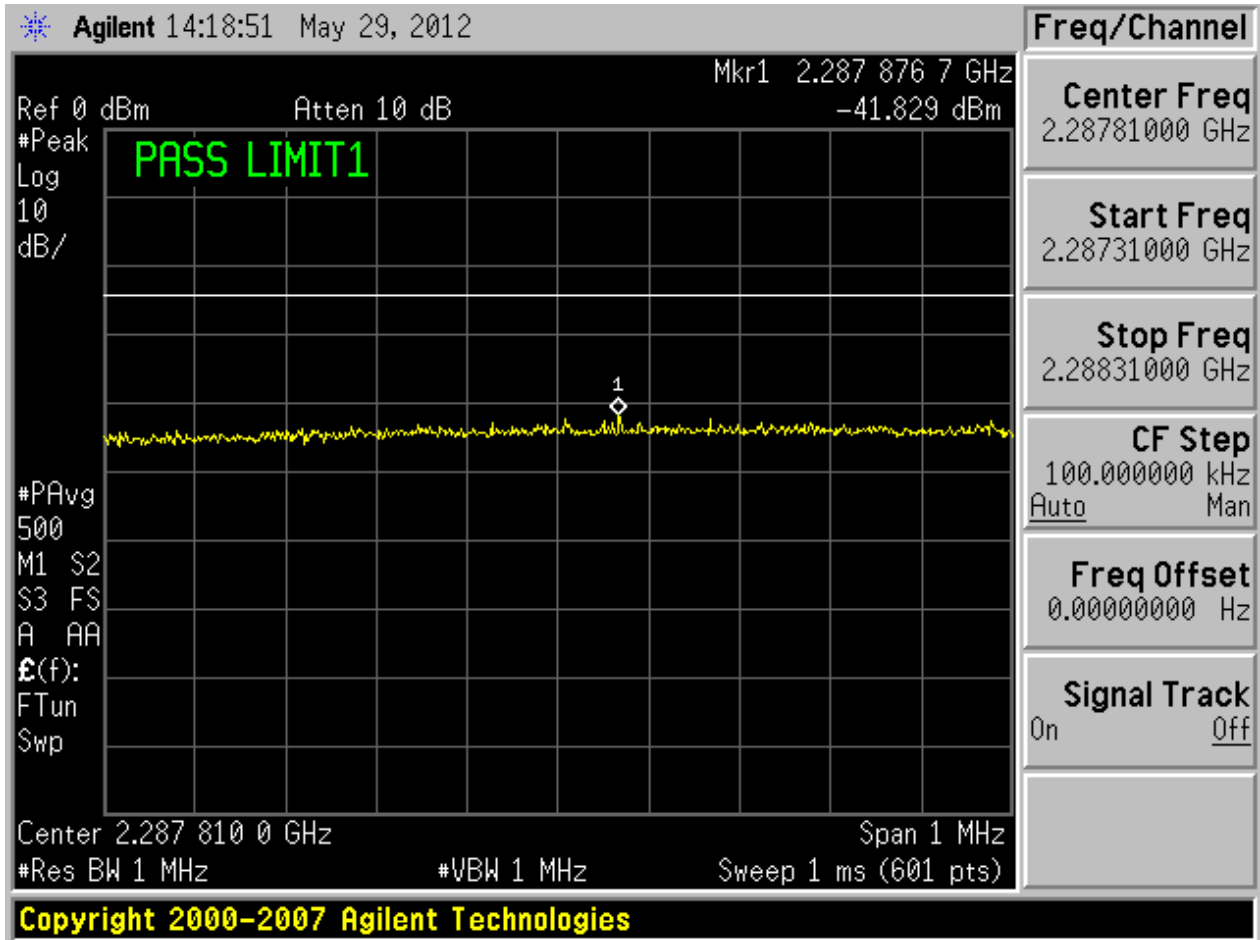
2.1 11B/1_B@1

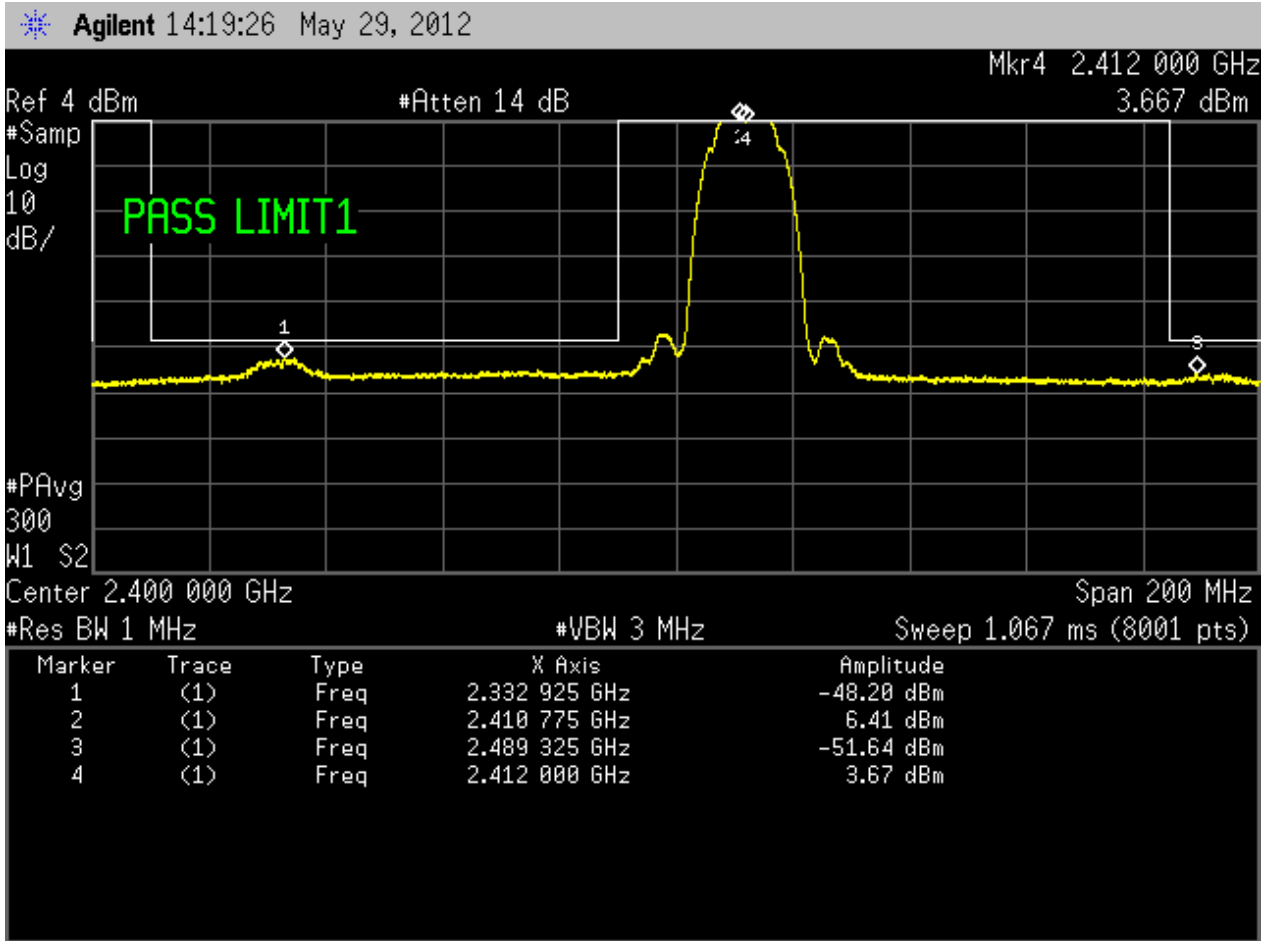


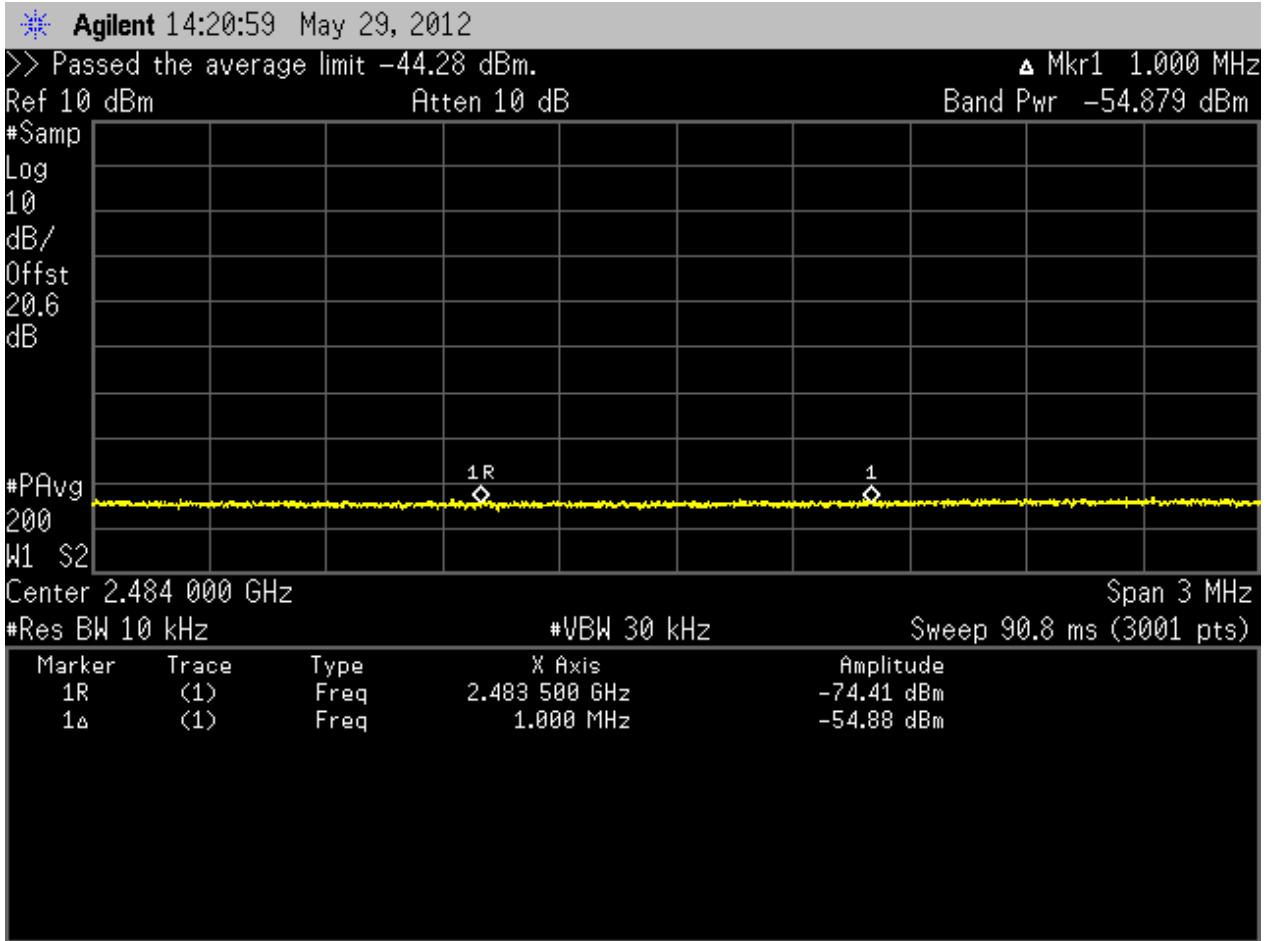


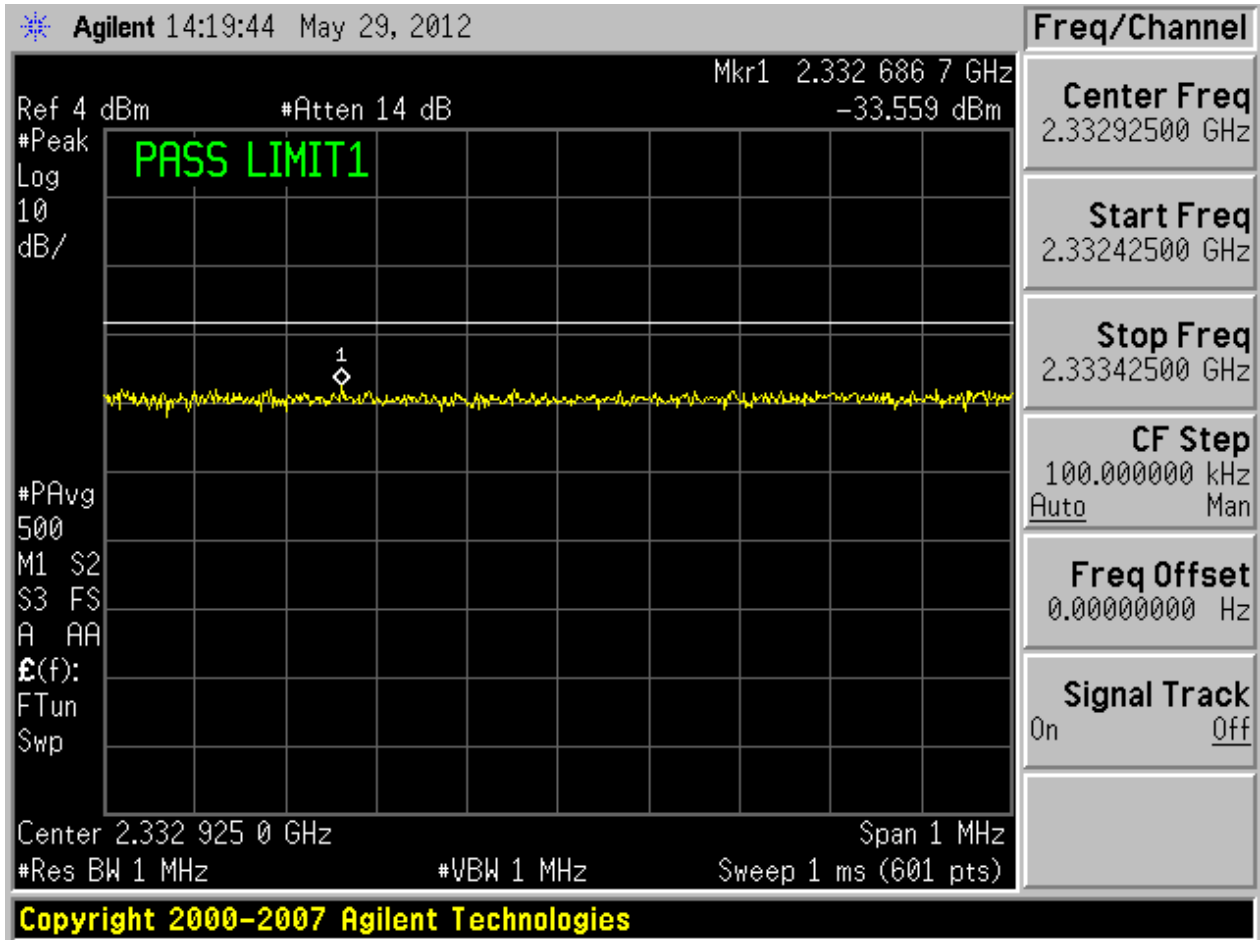


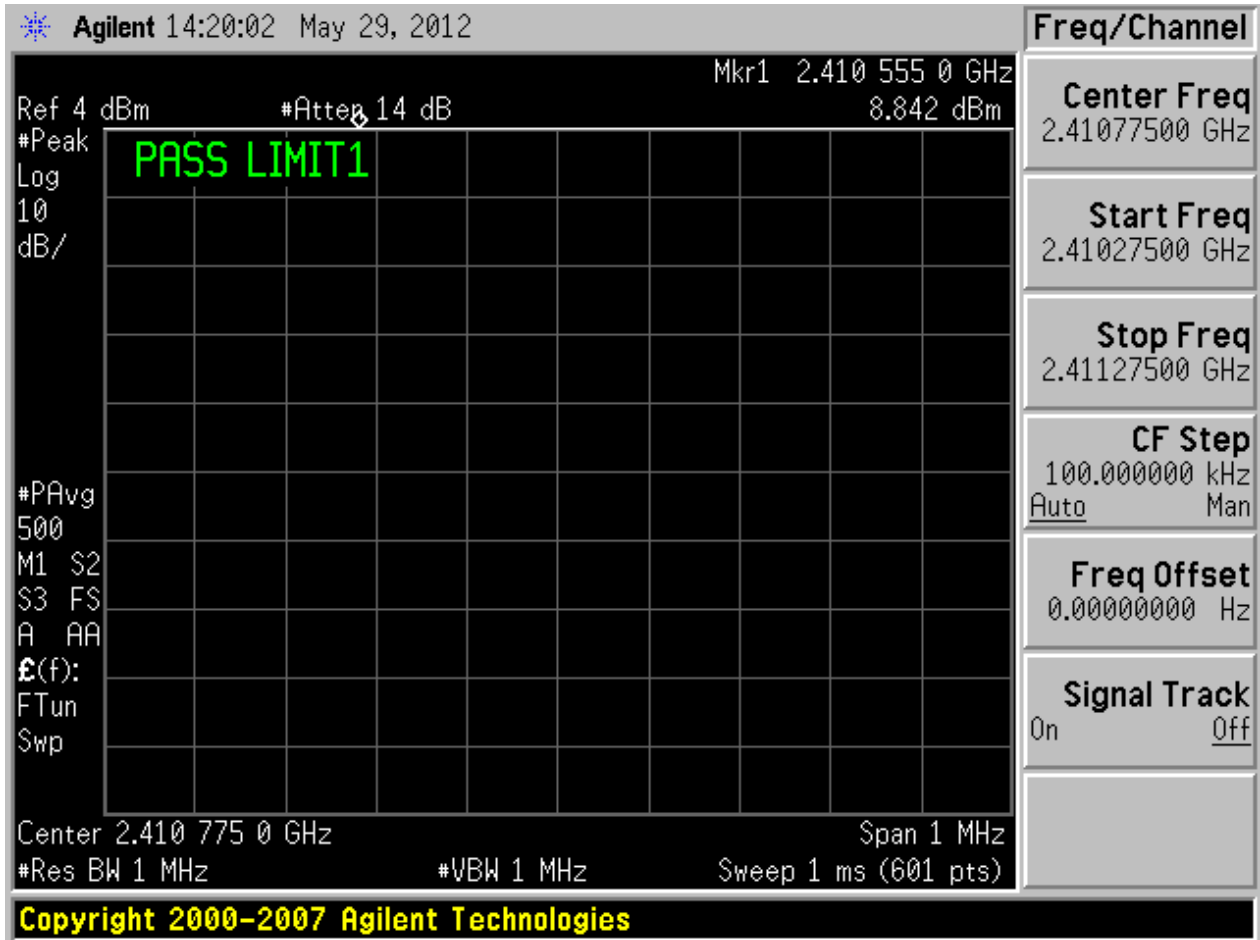


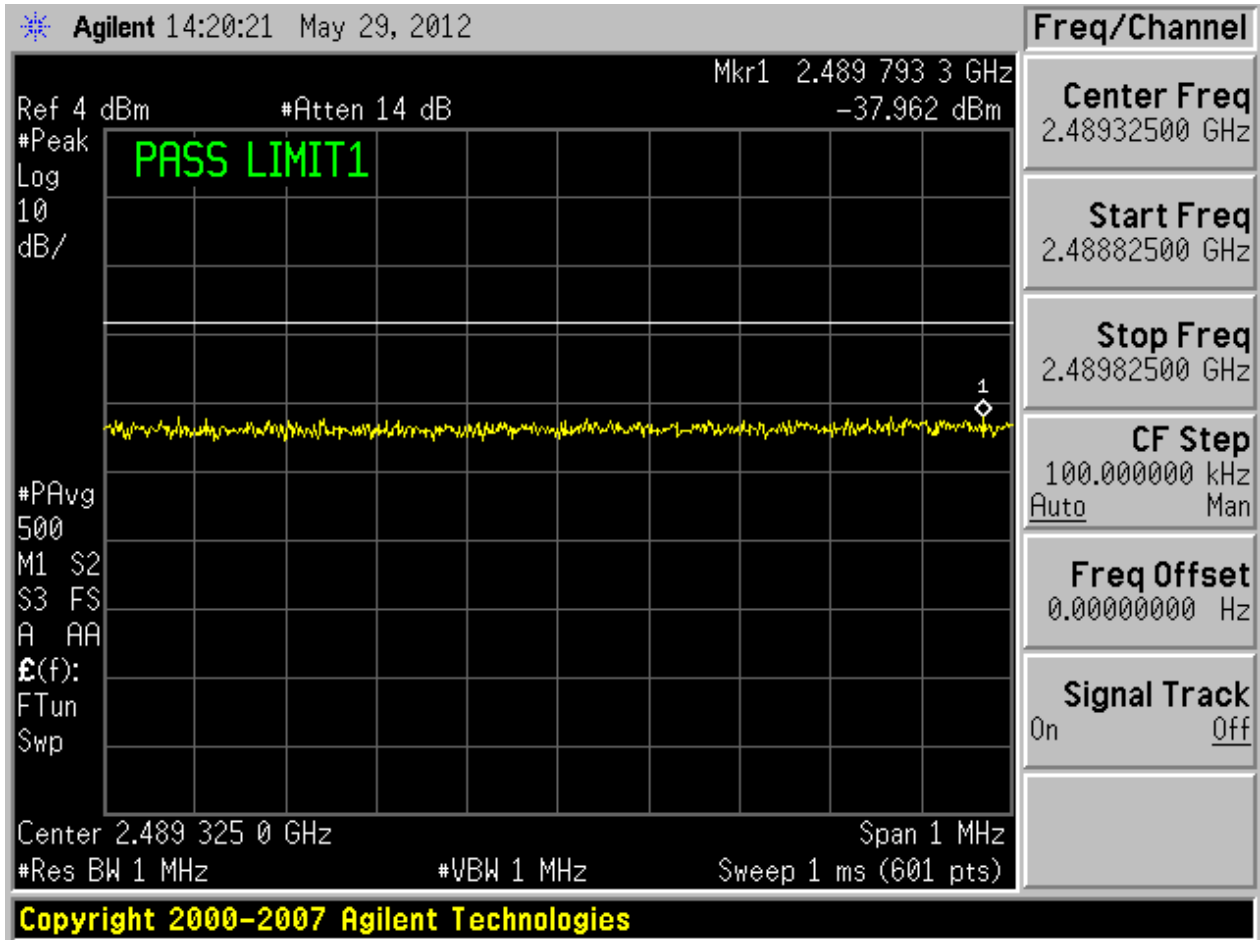


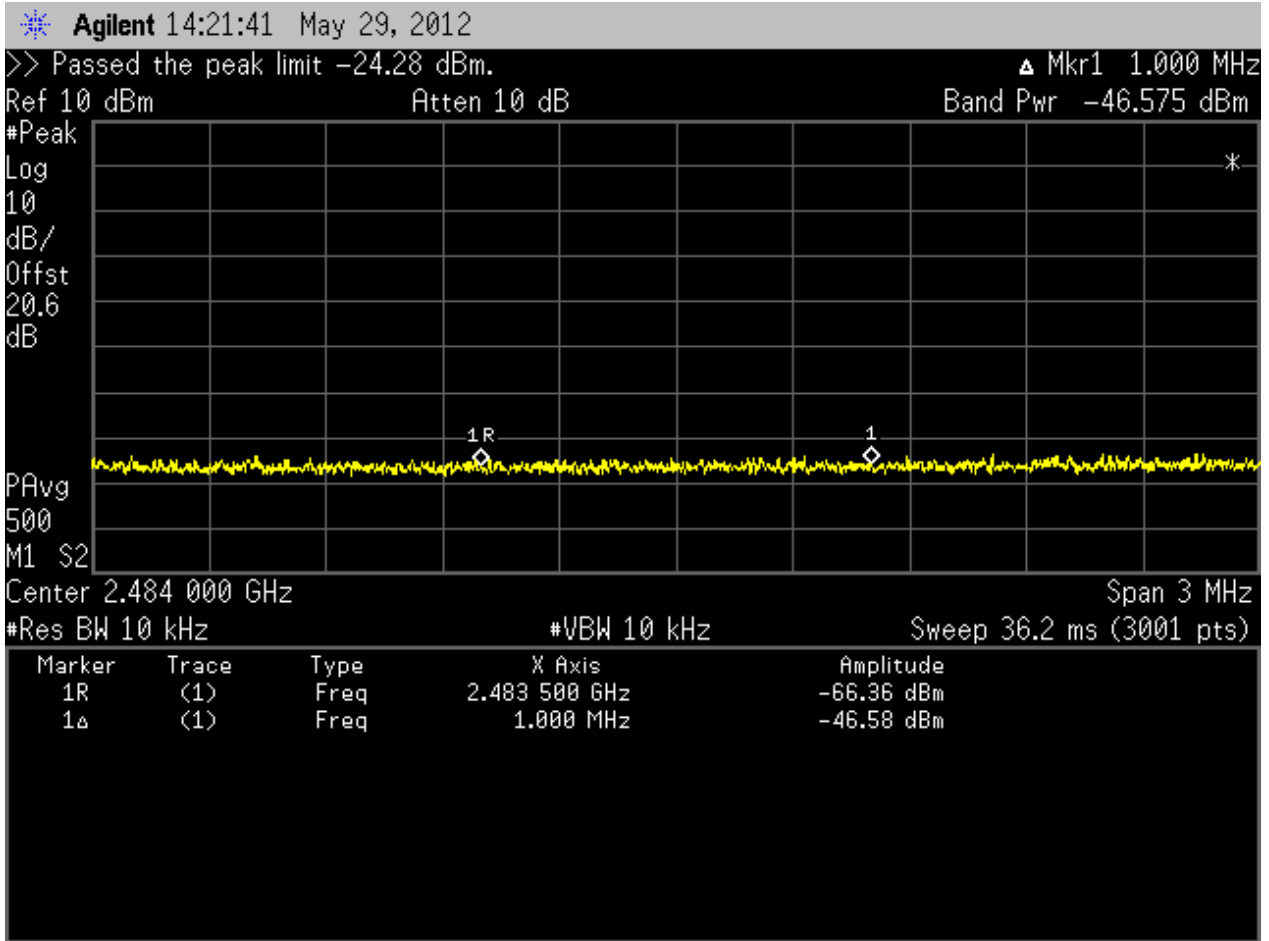


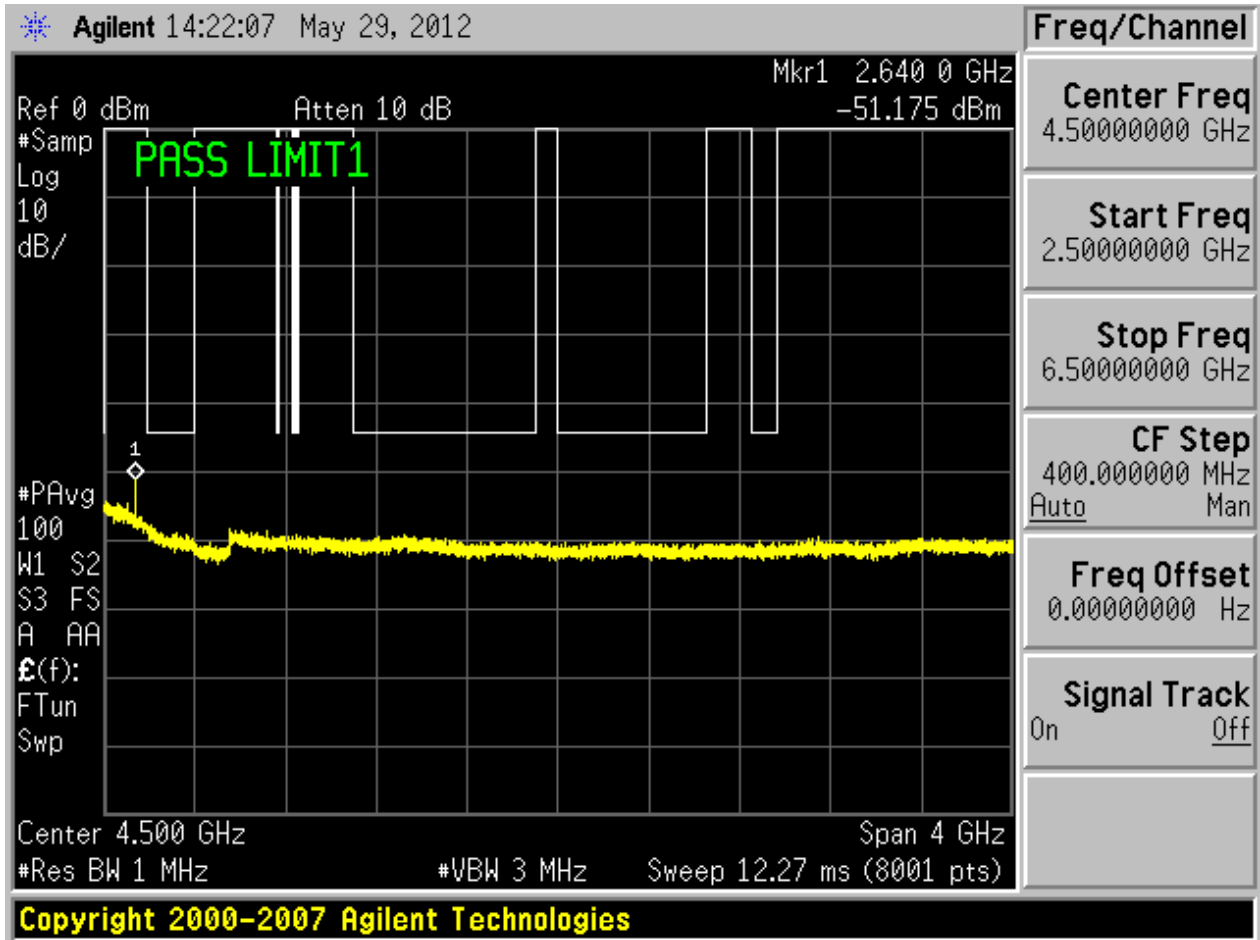


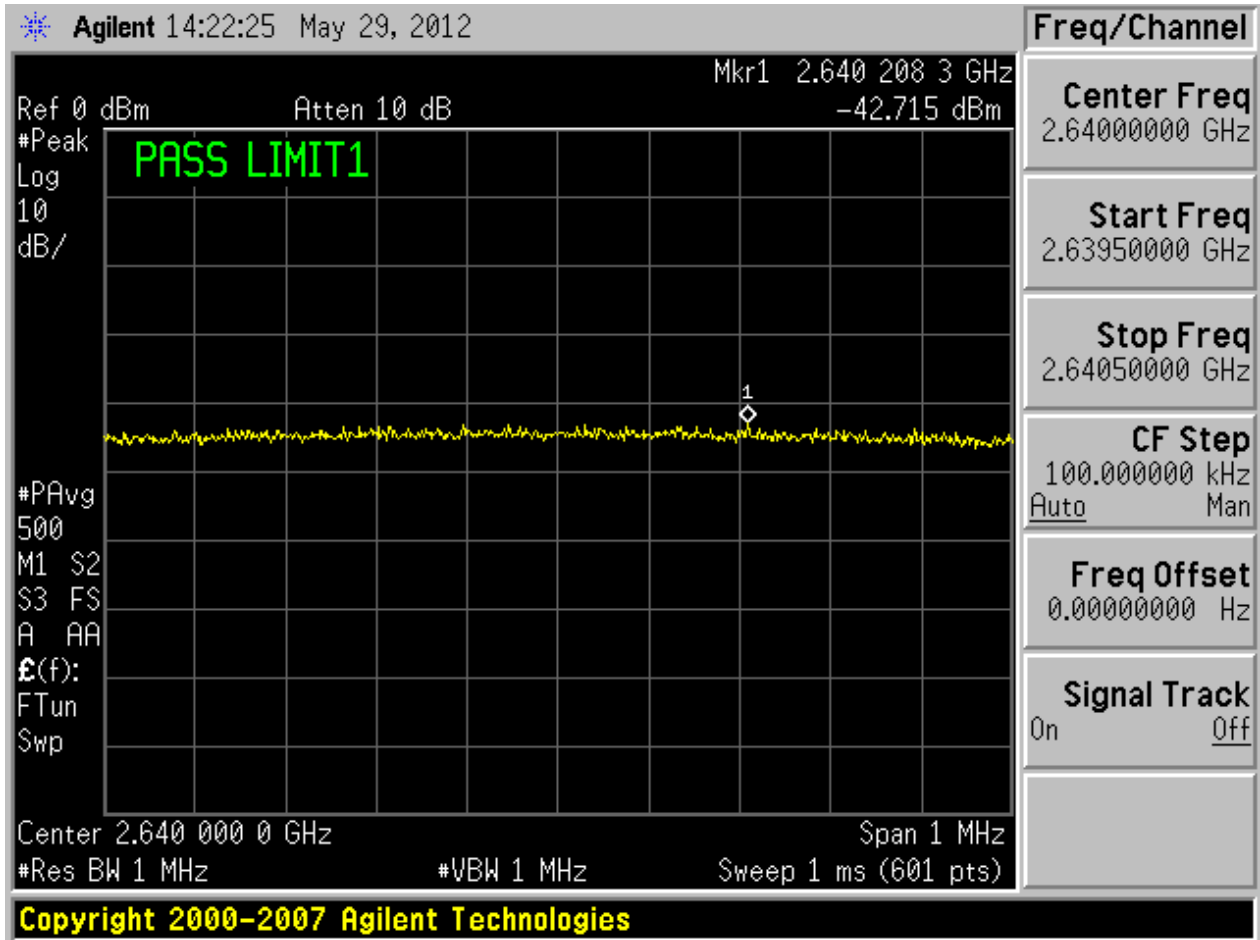


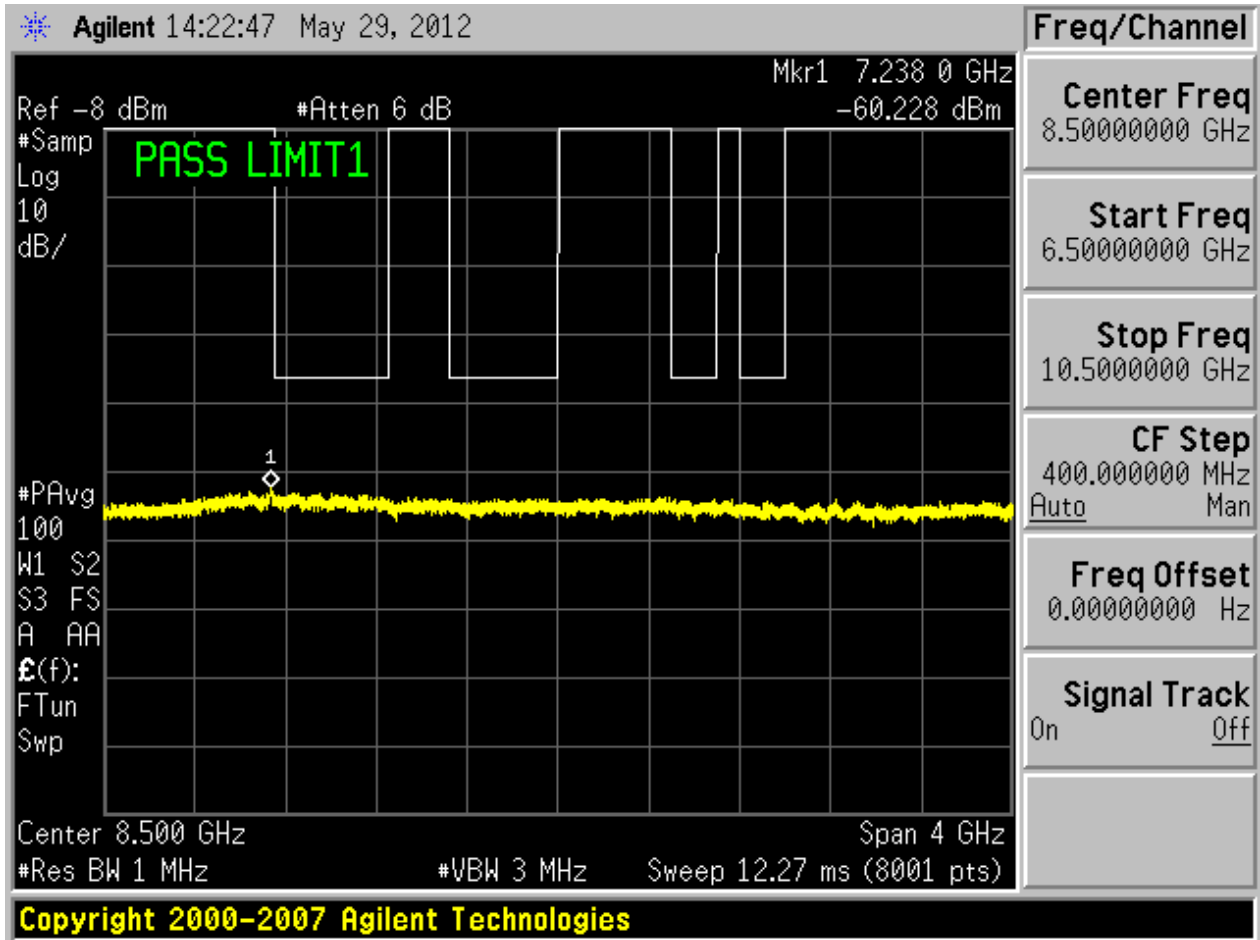


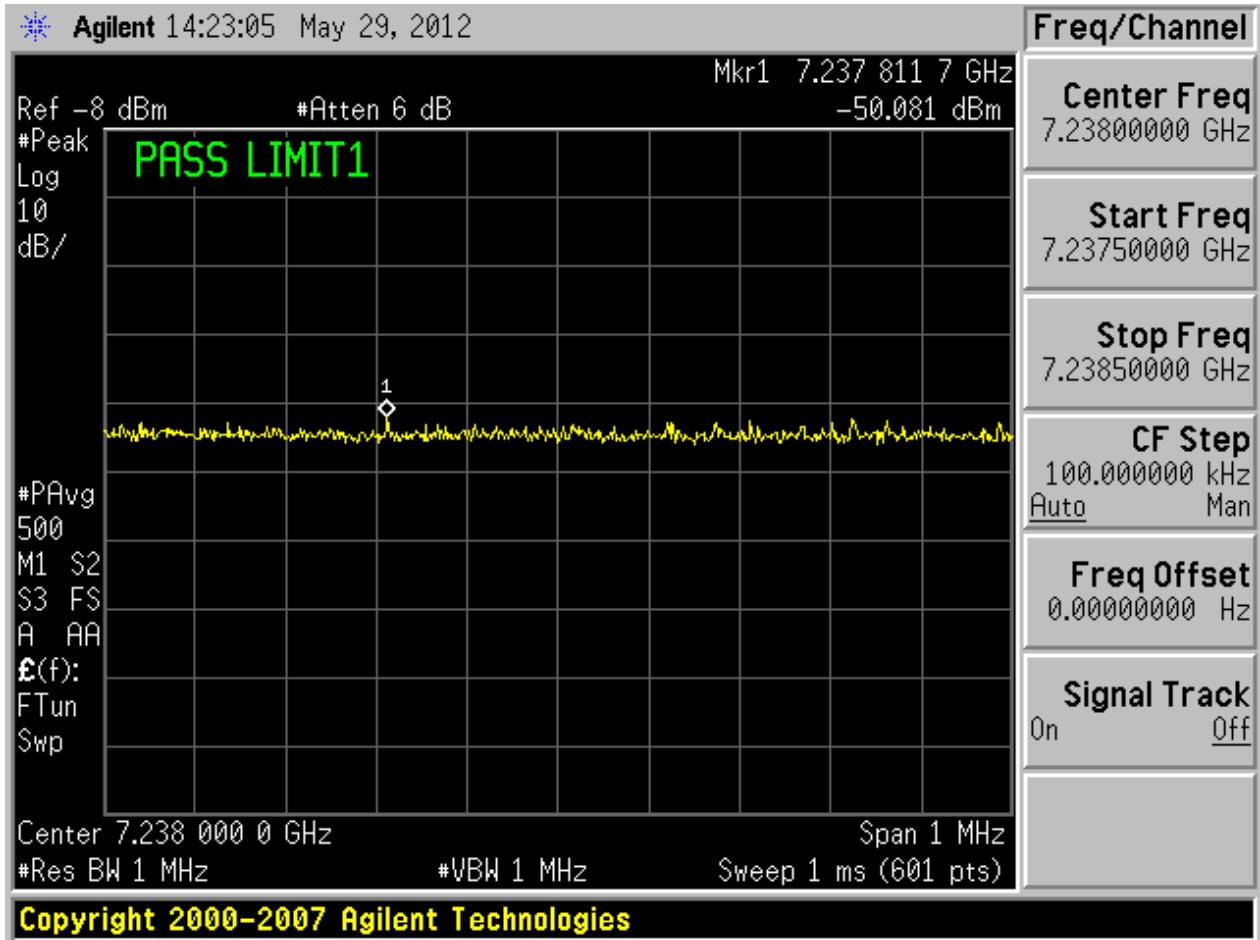


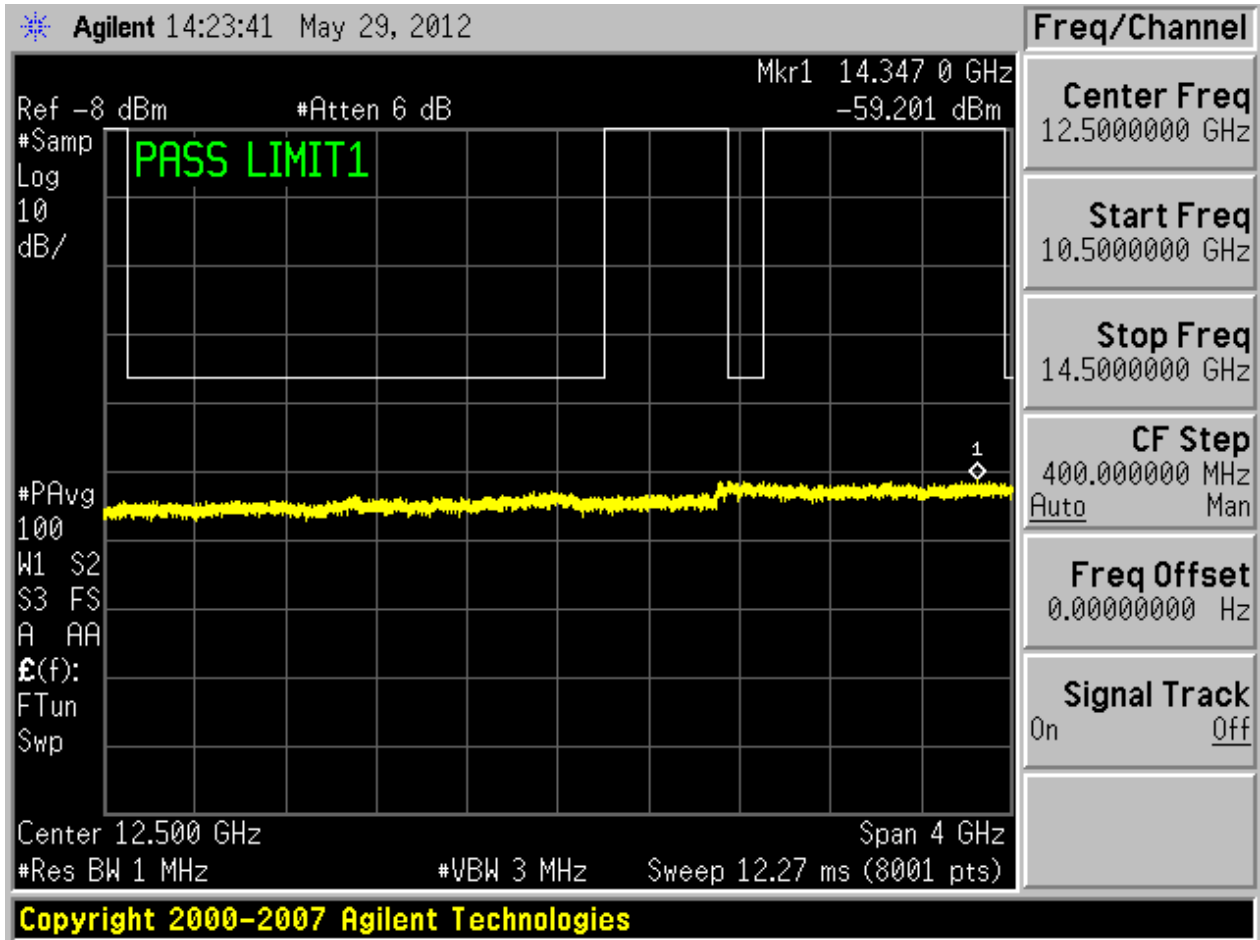


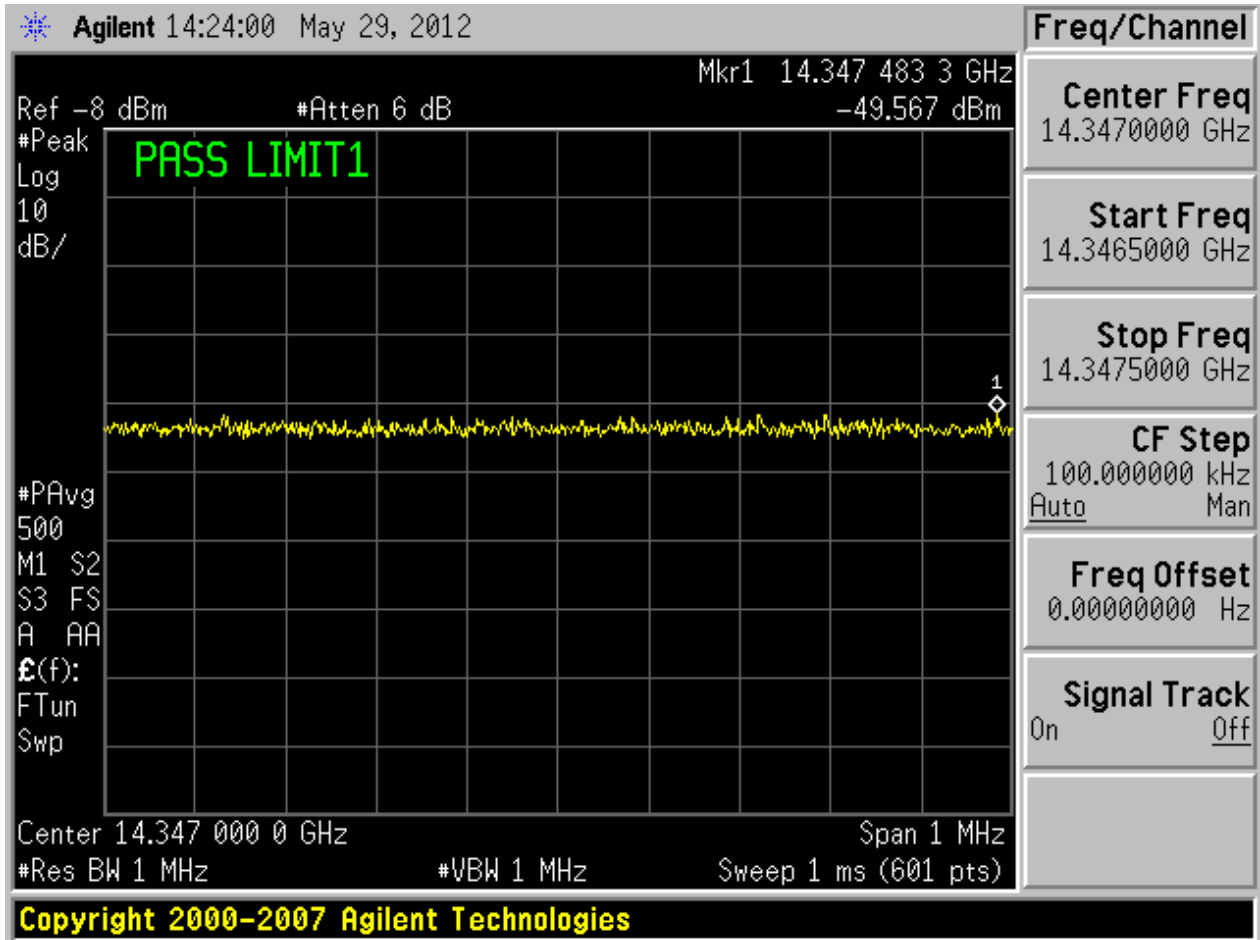


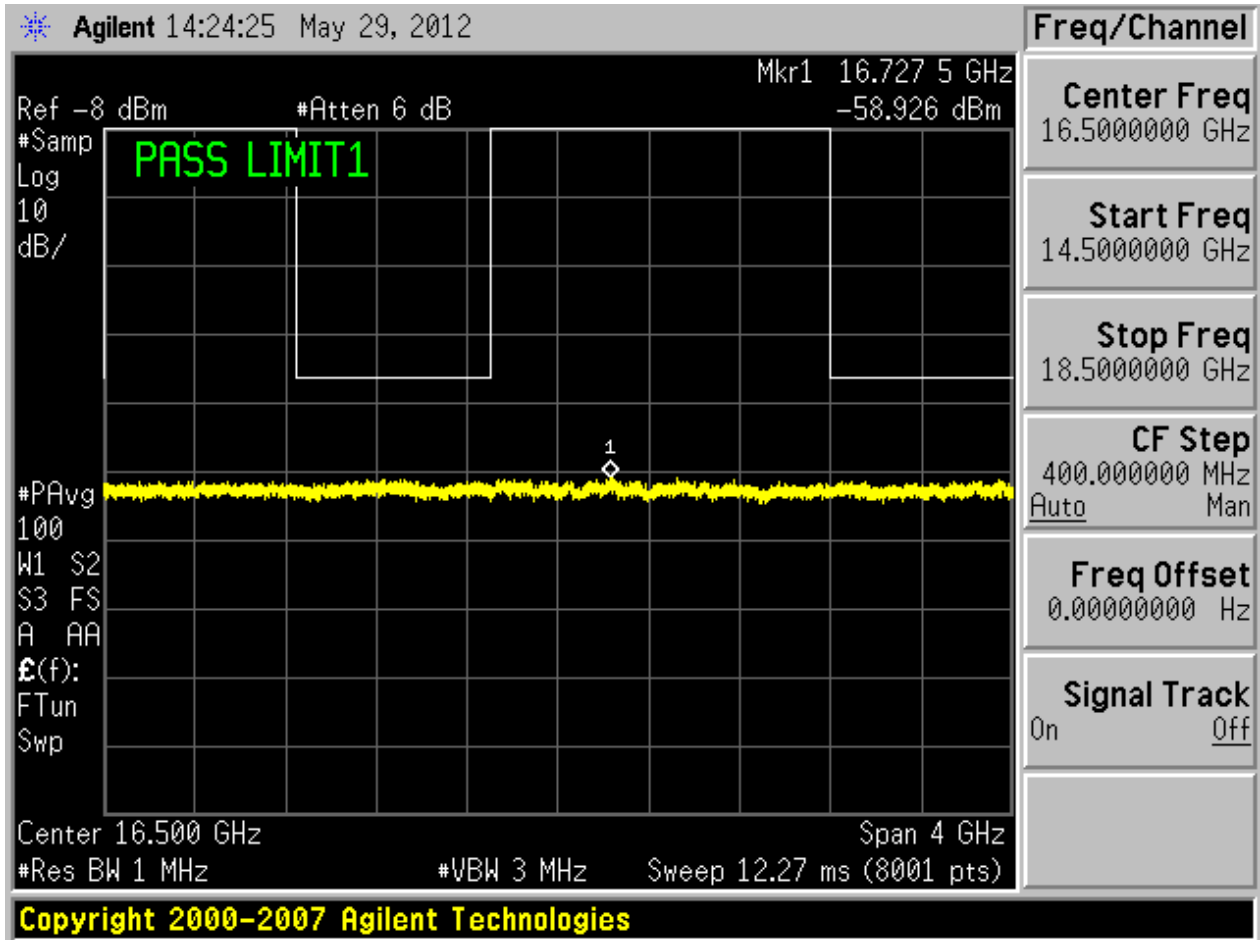


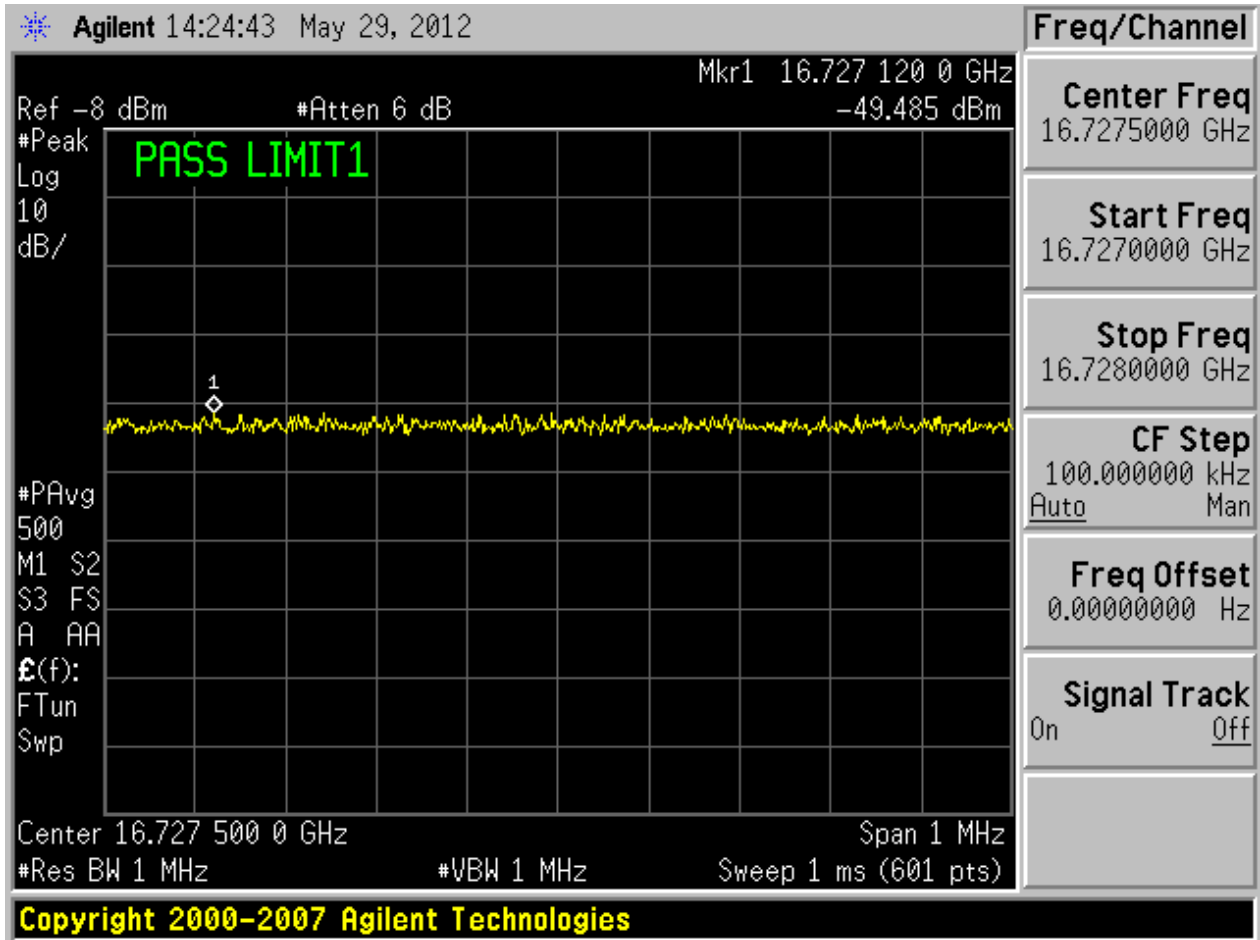


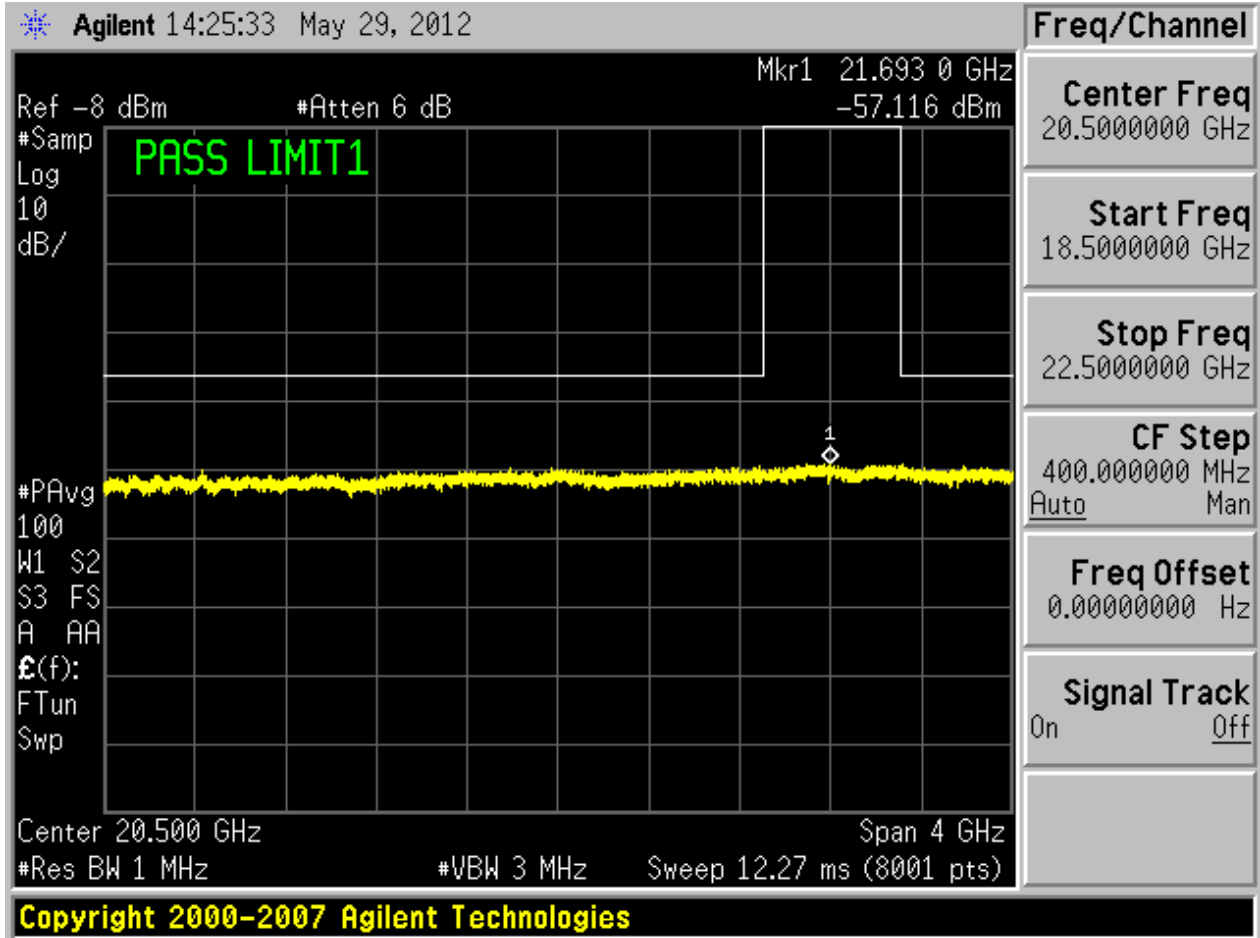


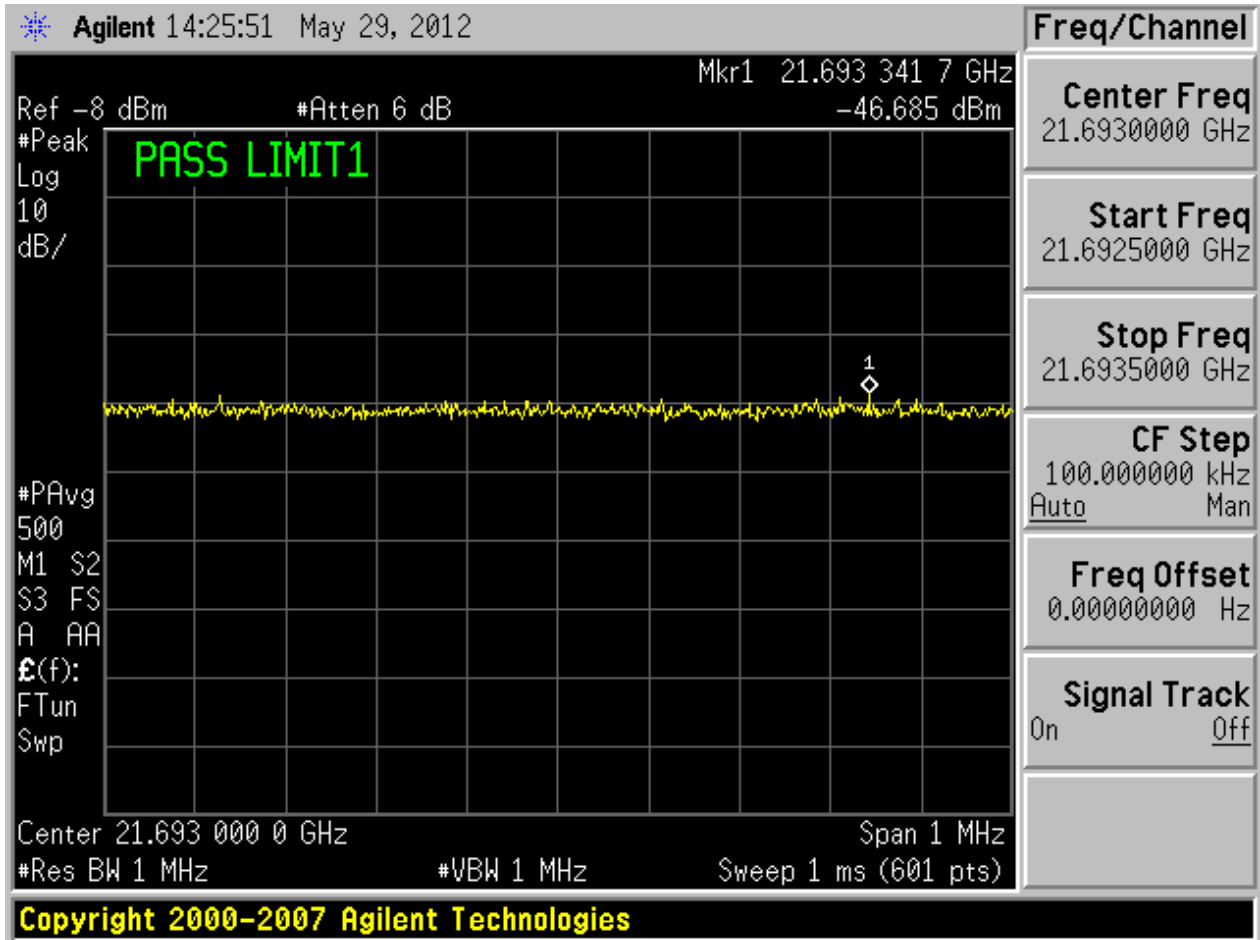


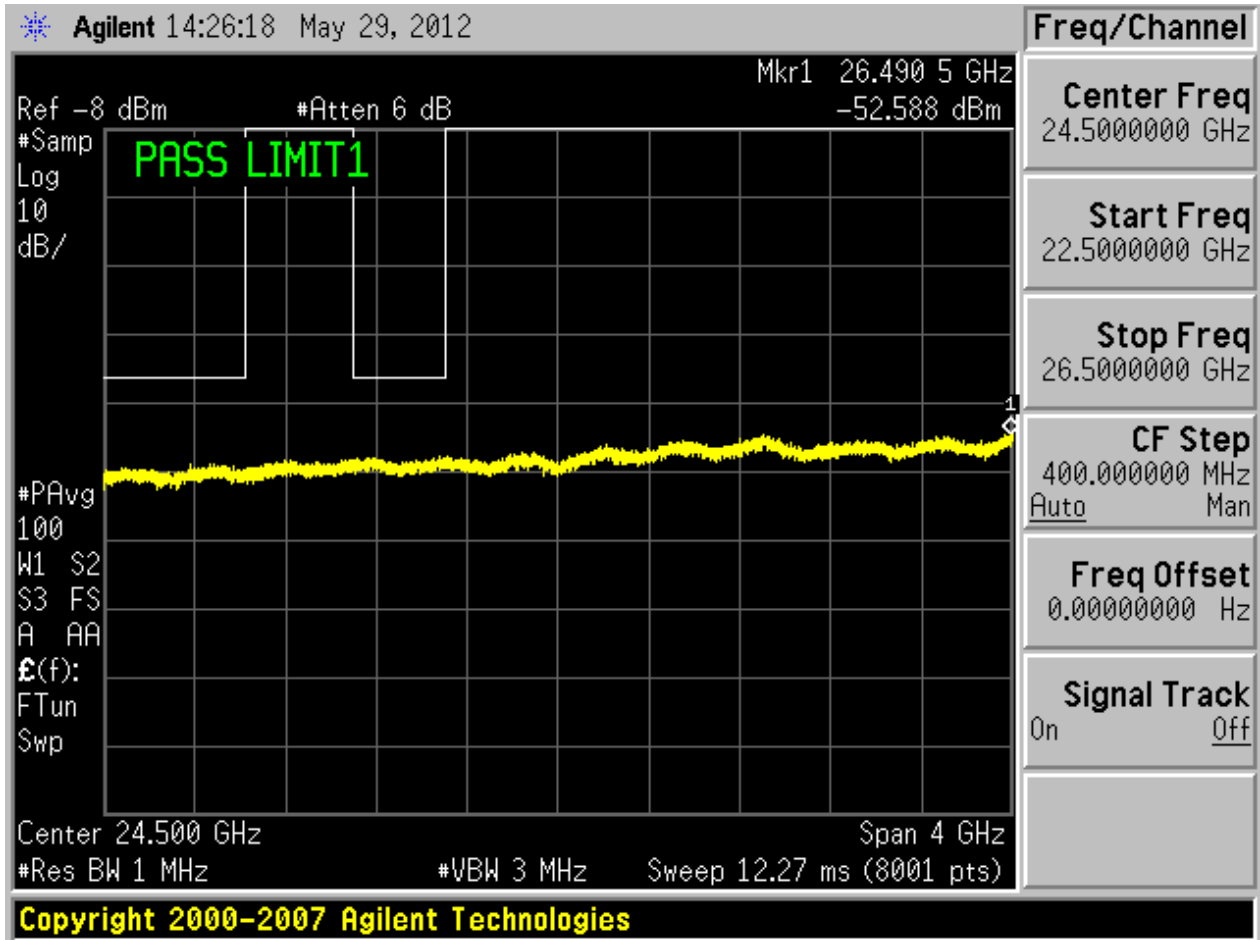


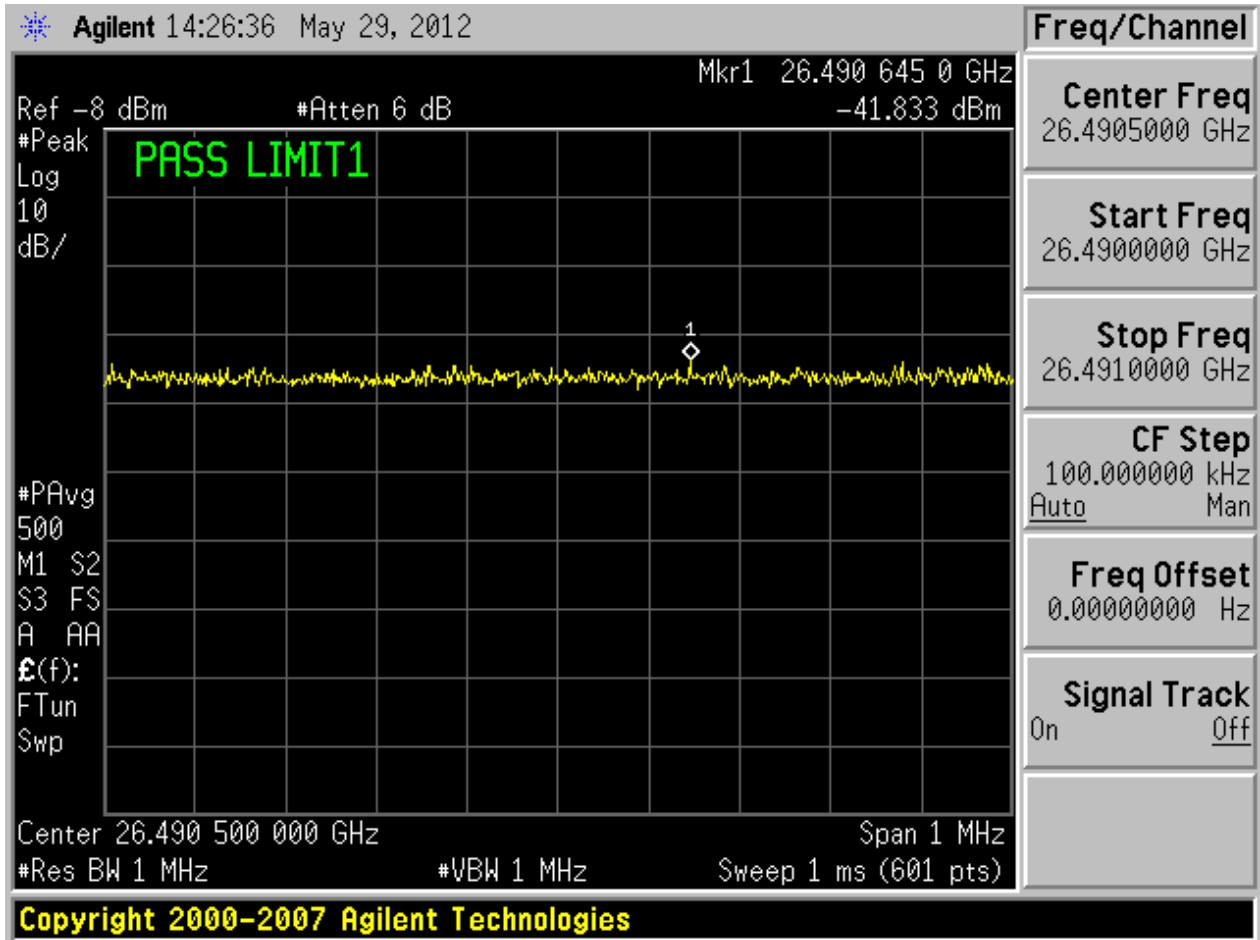




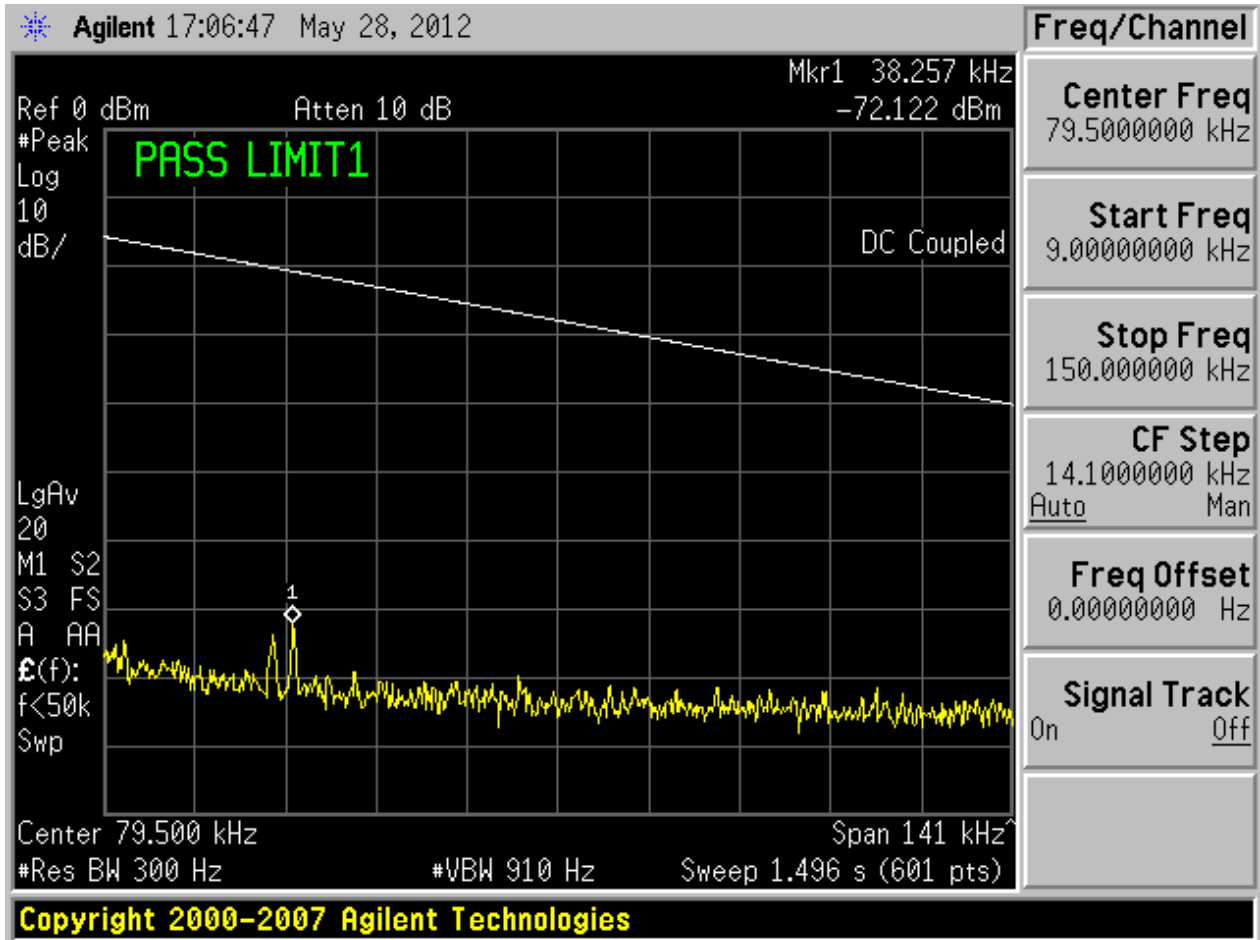


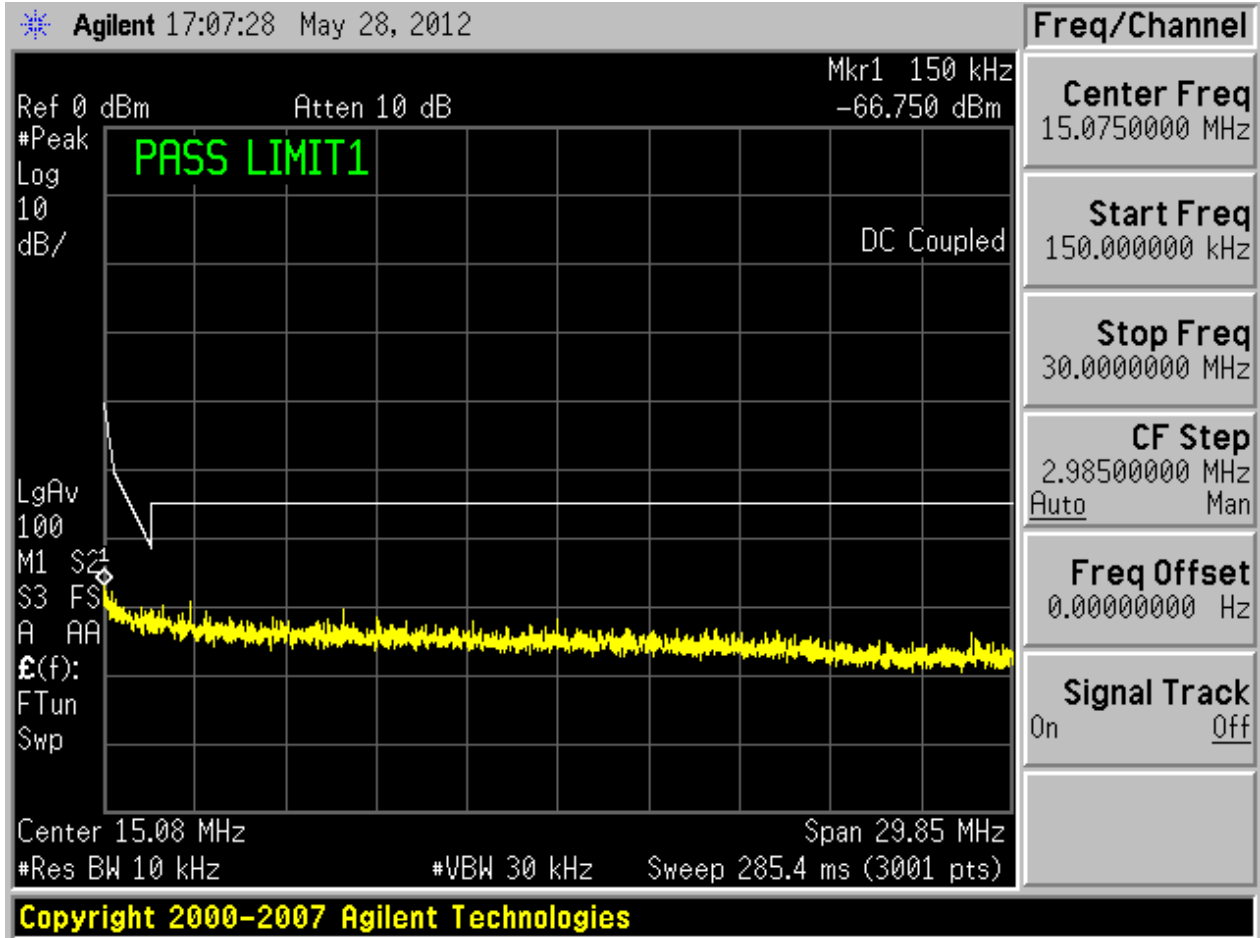


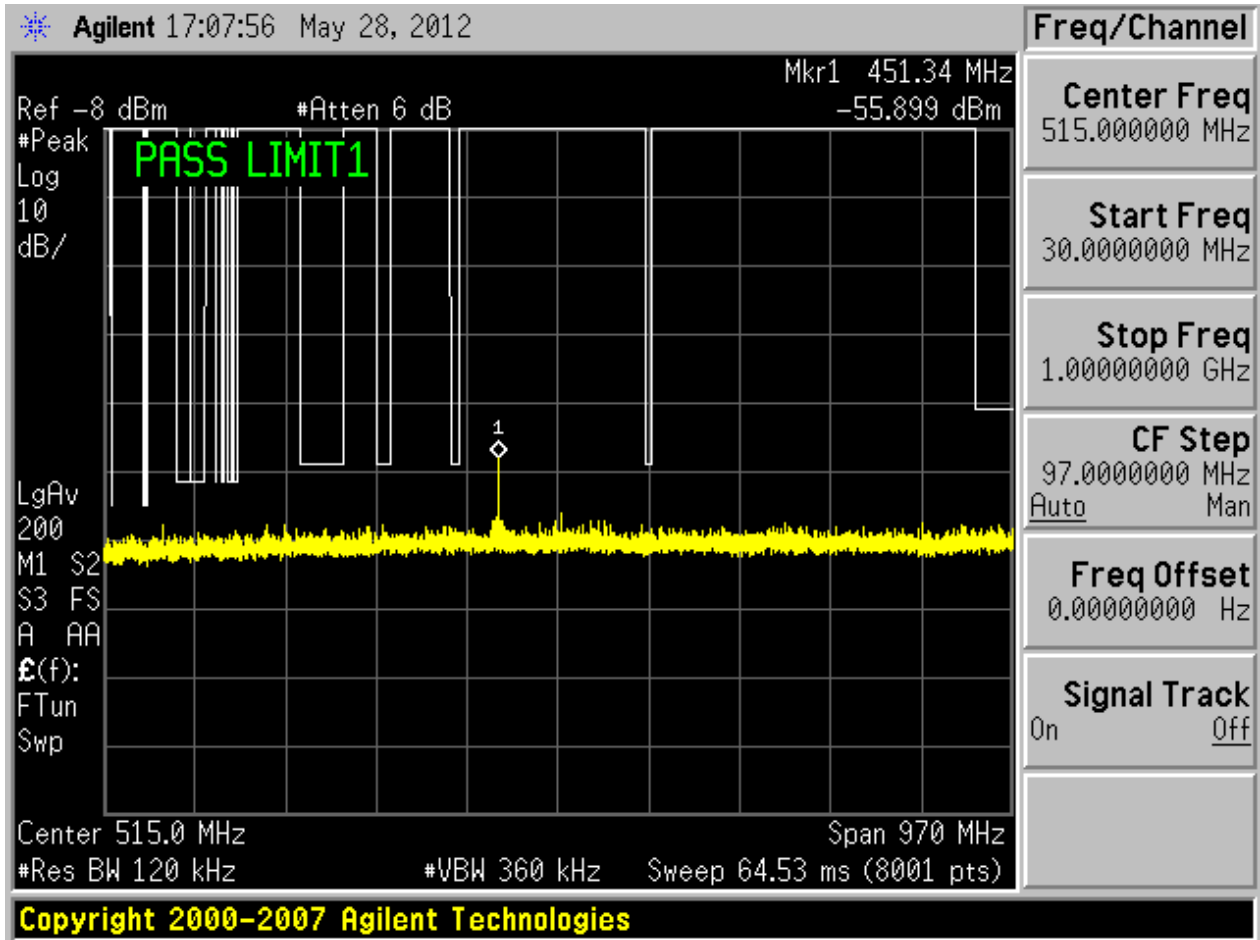


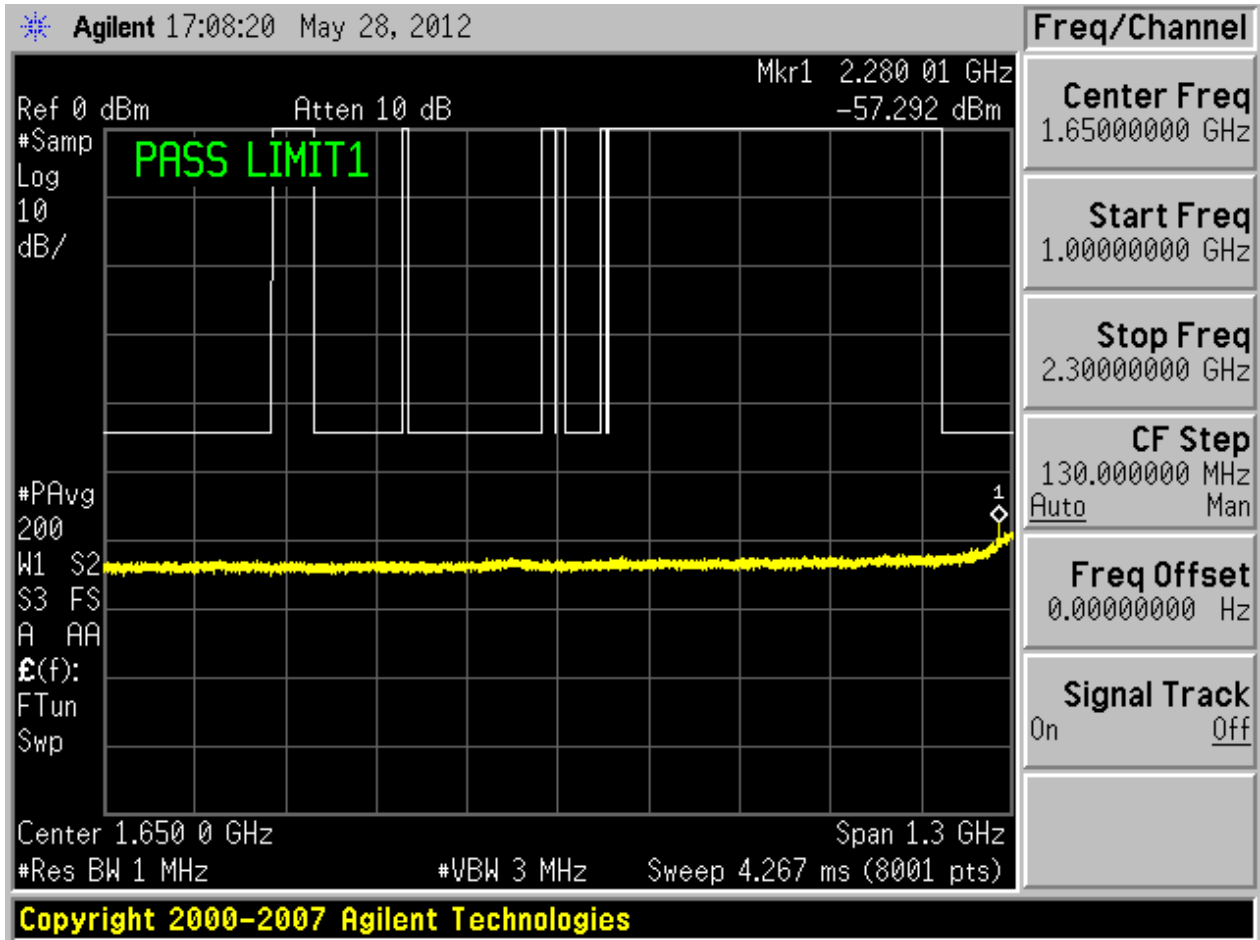


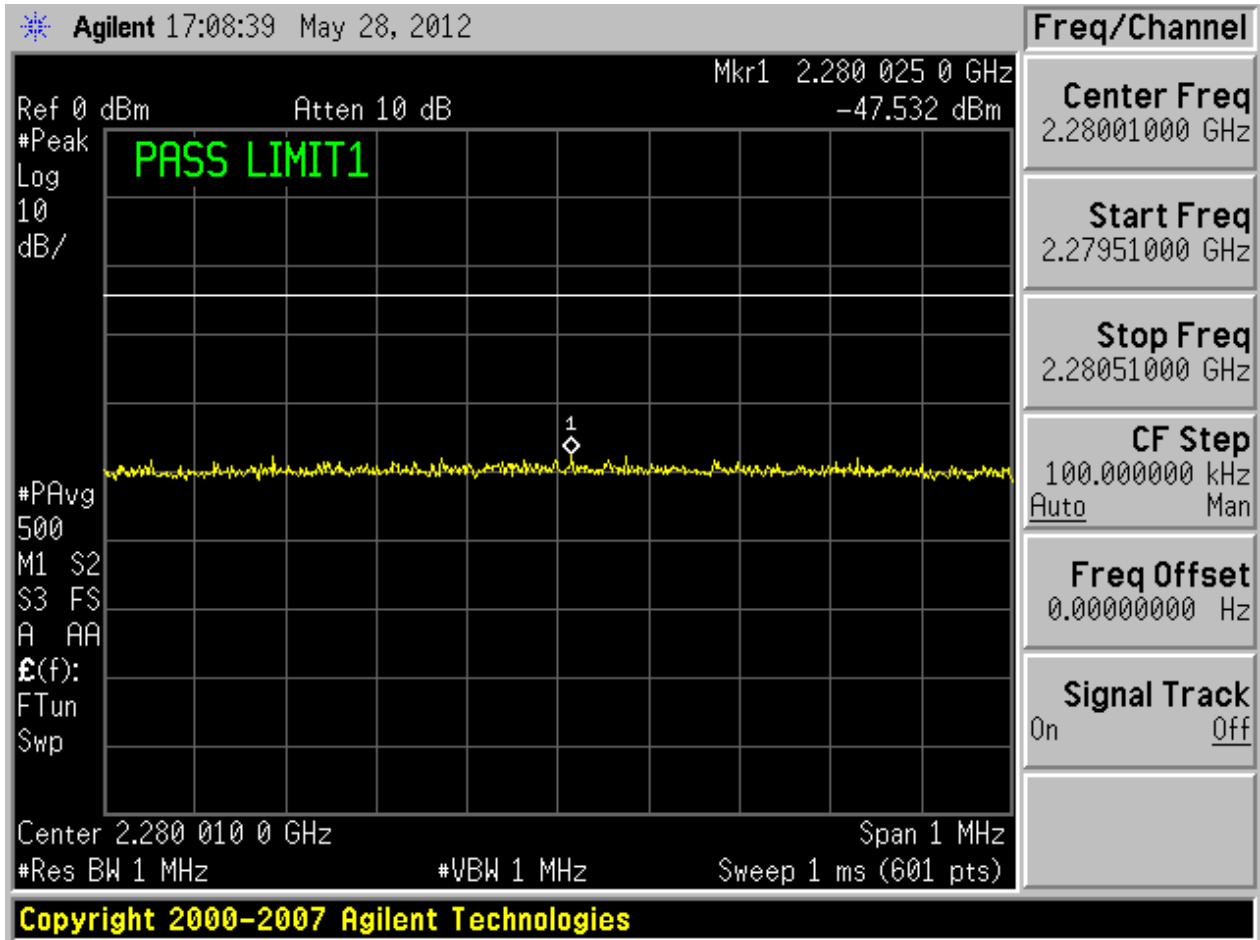
2.2 11B/1_B@2

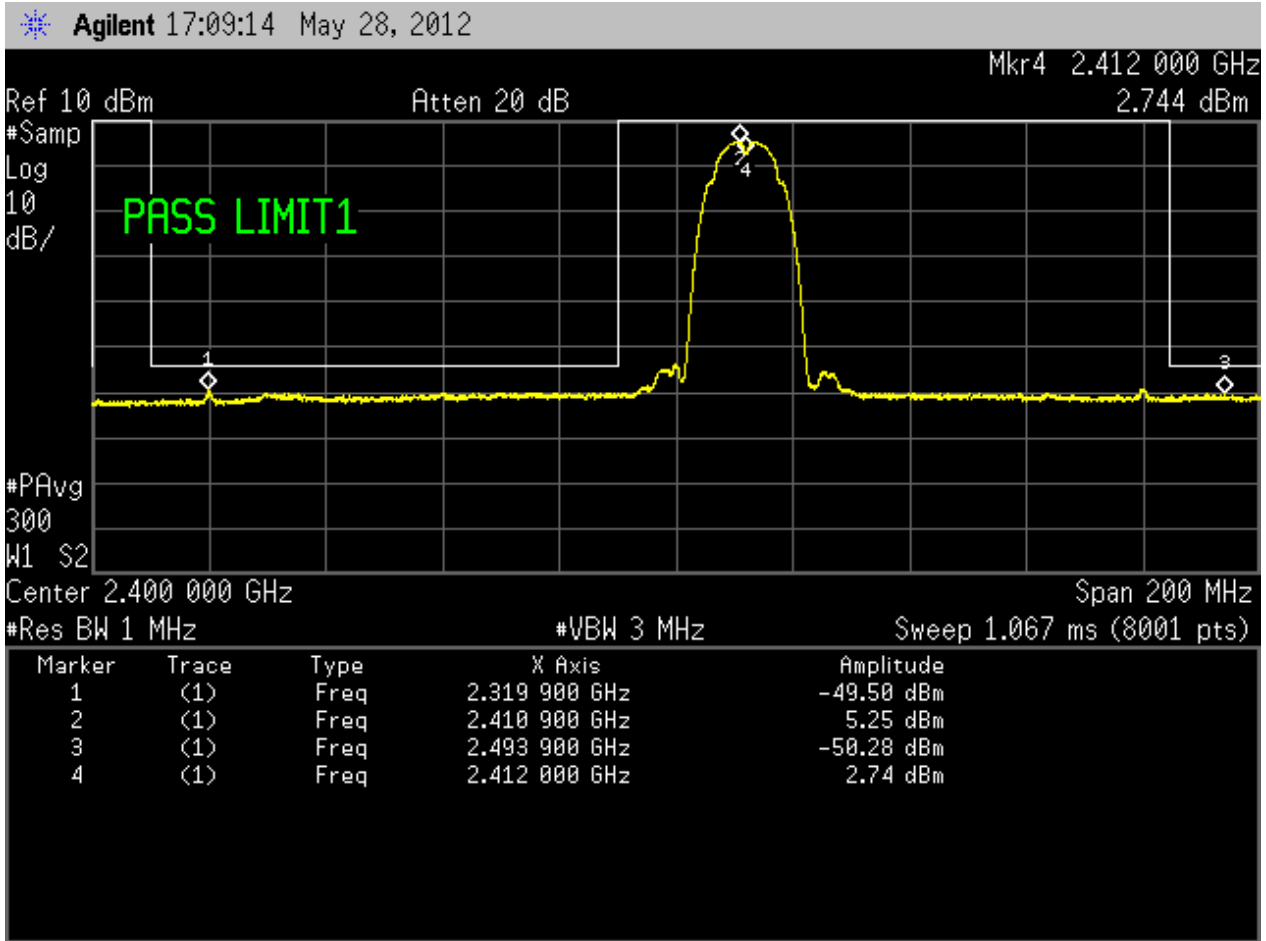


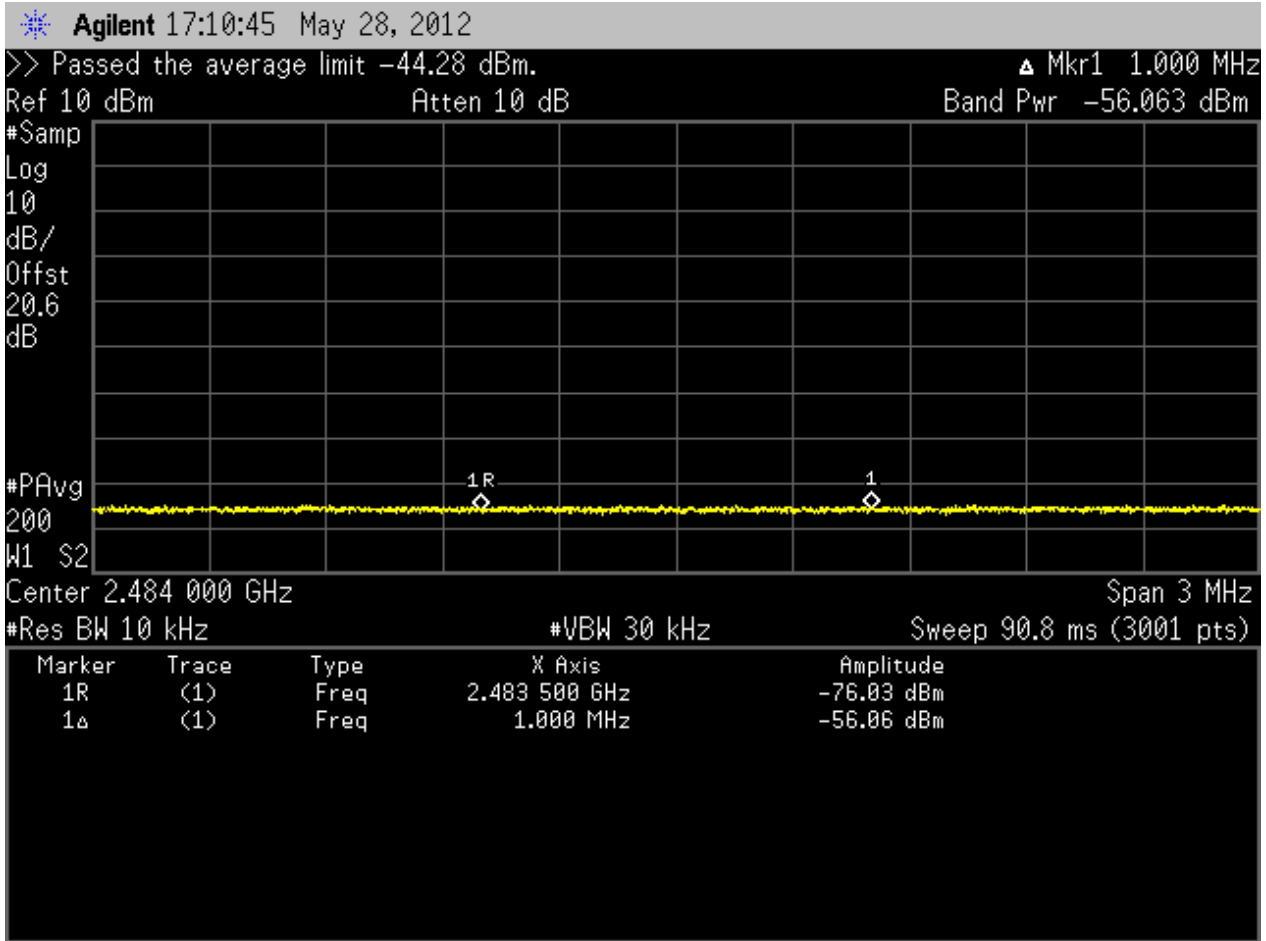


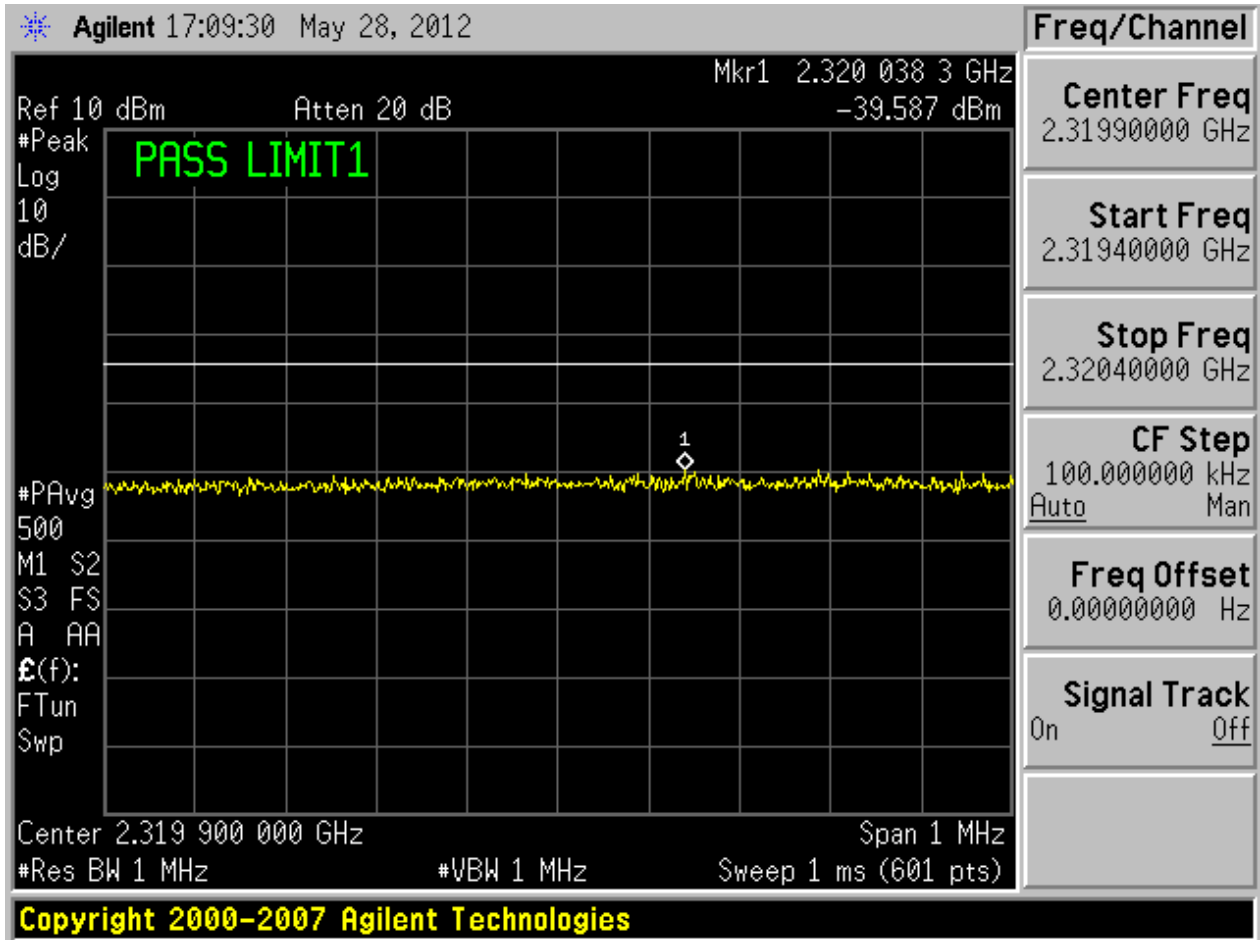


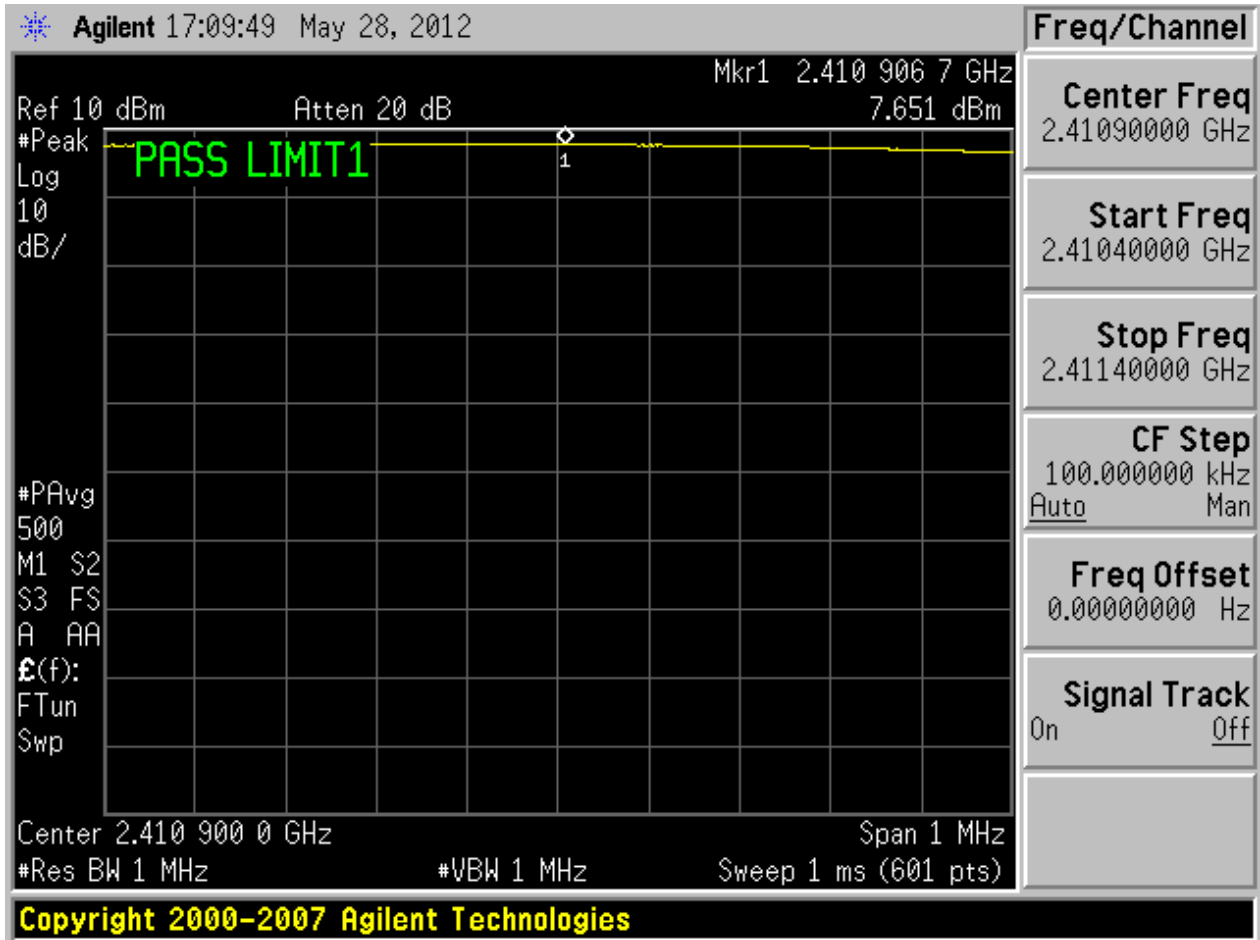


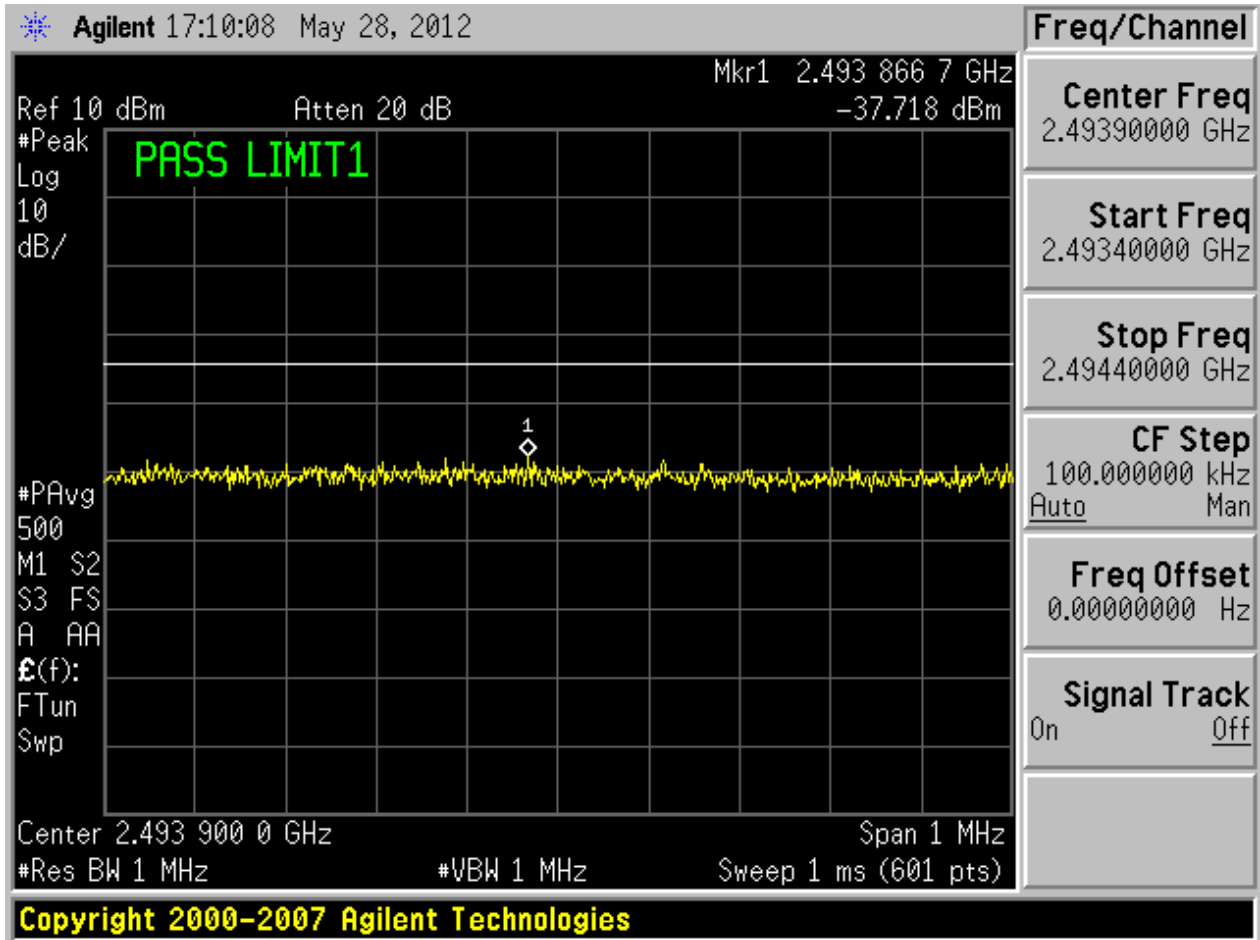


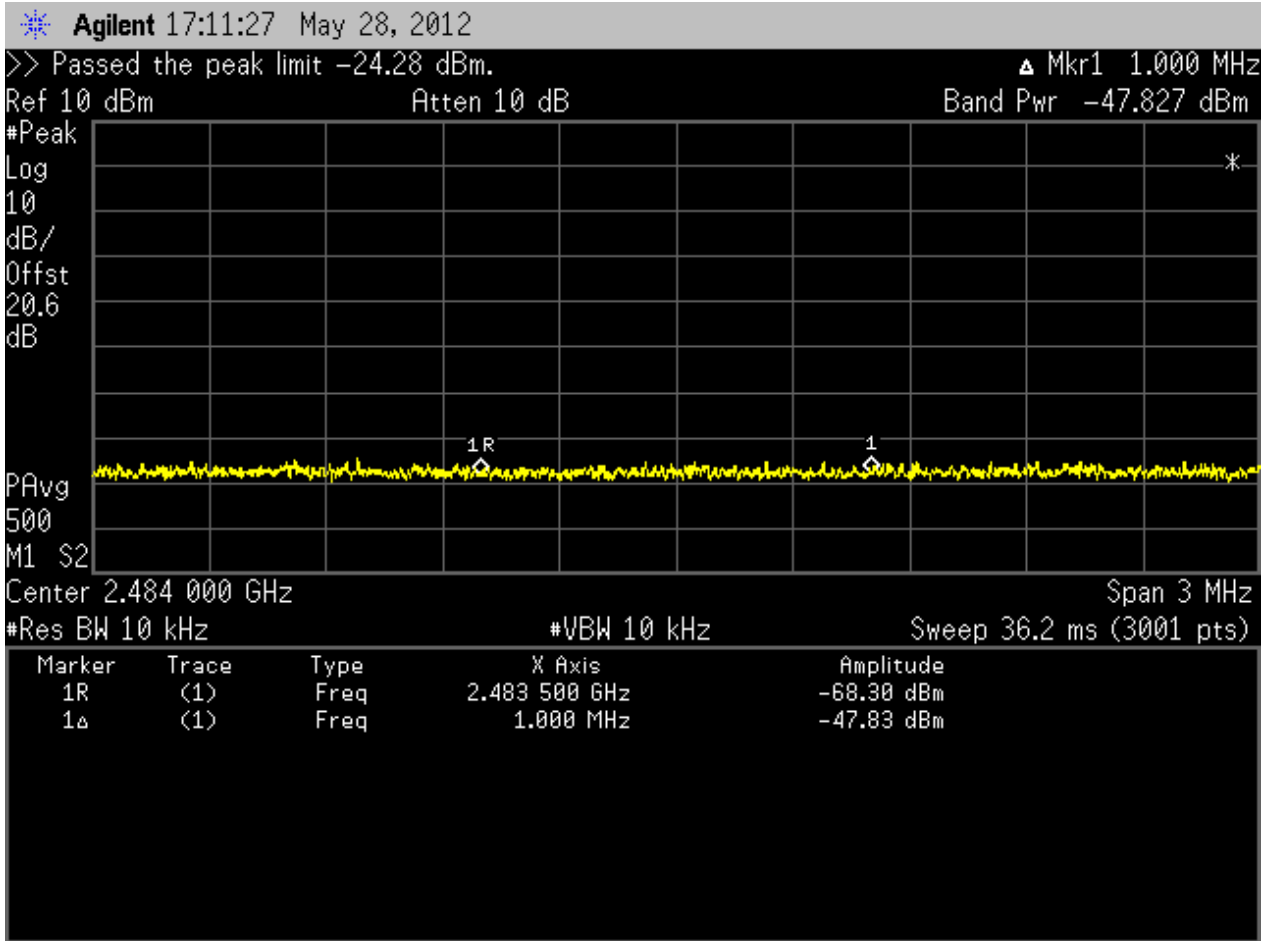


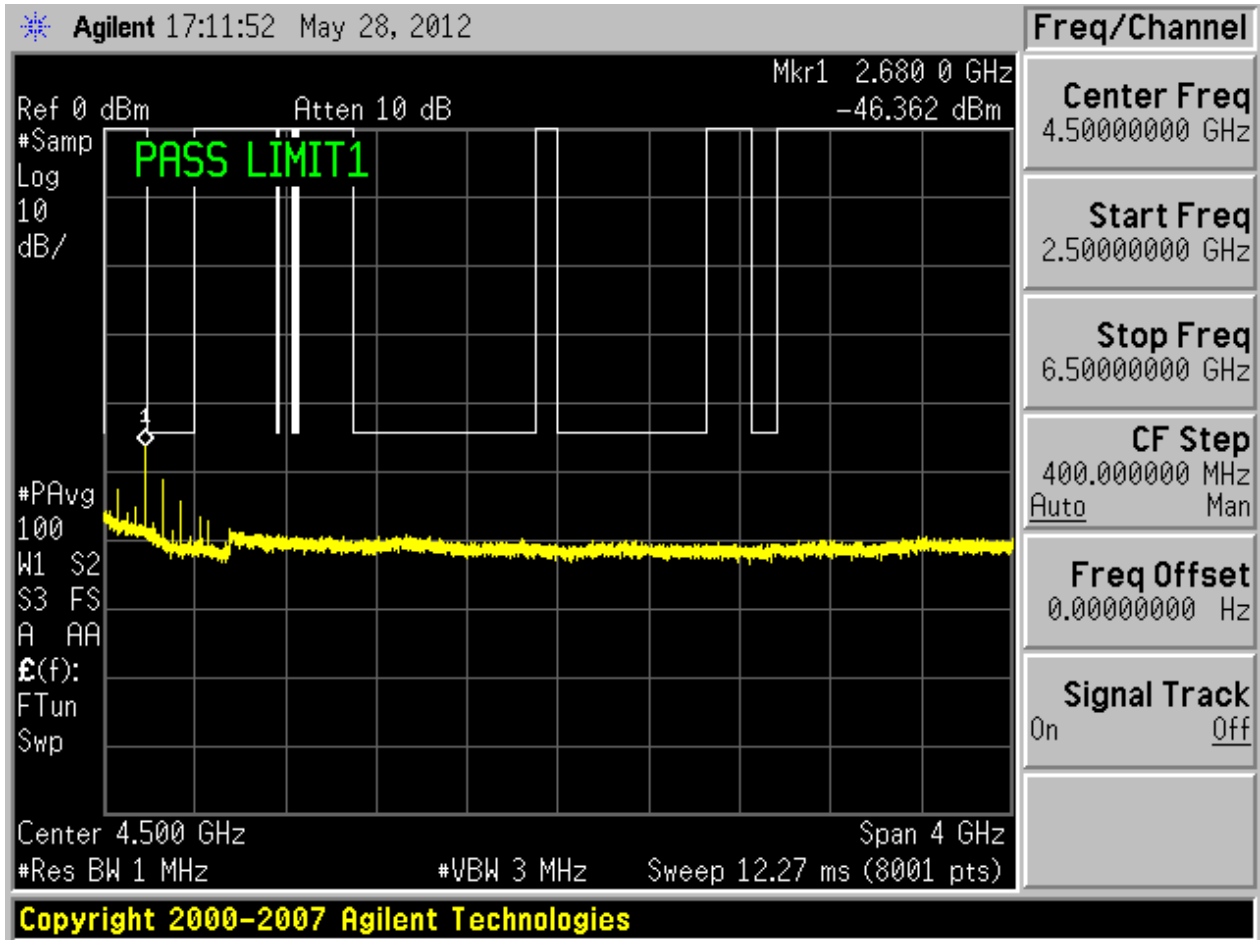


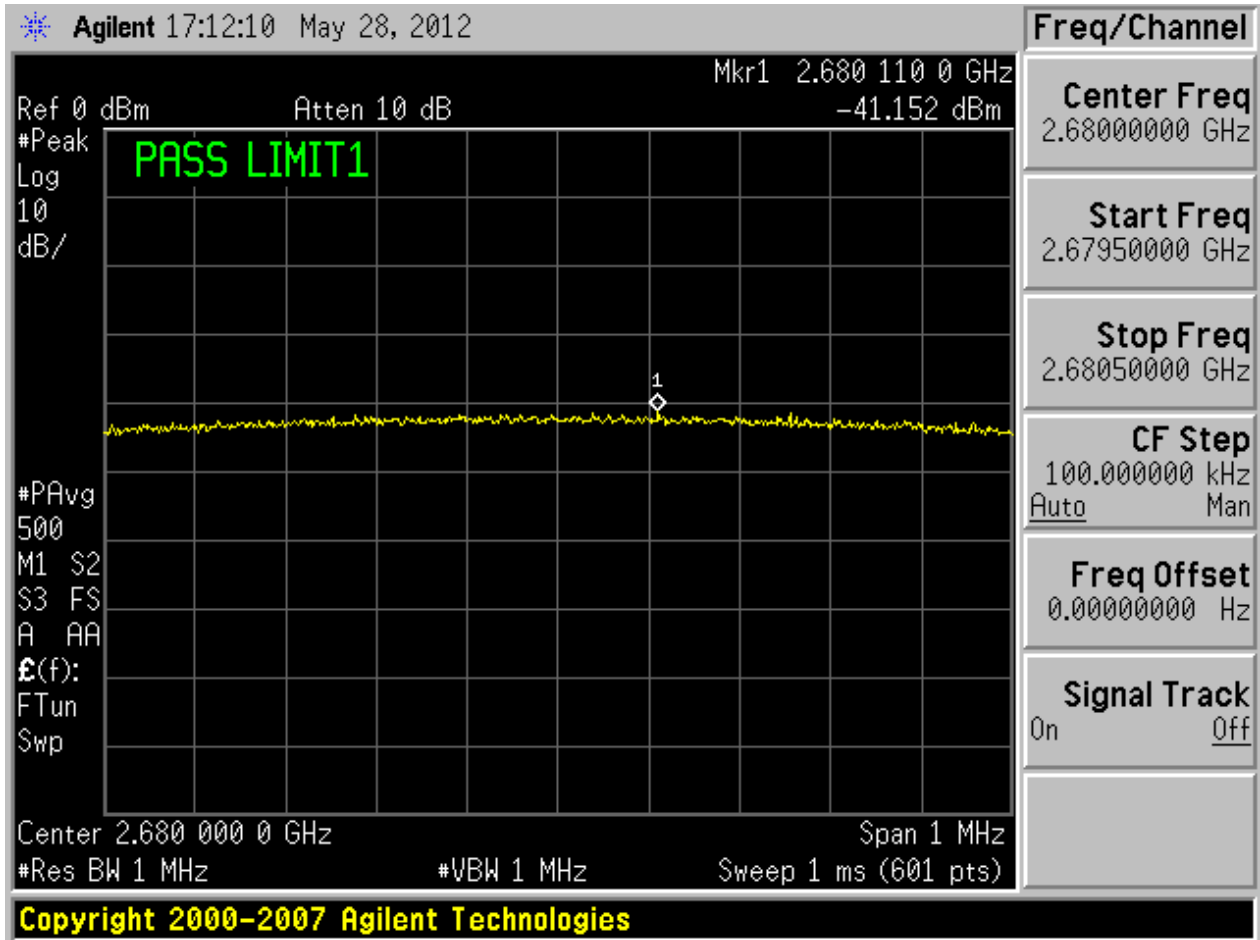


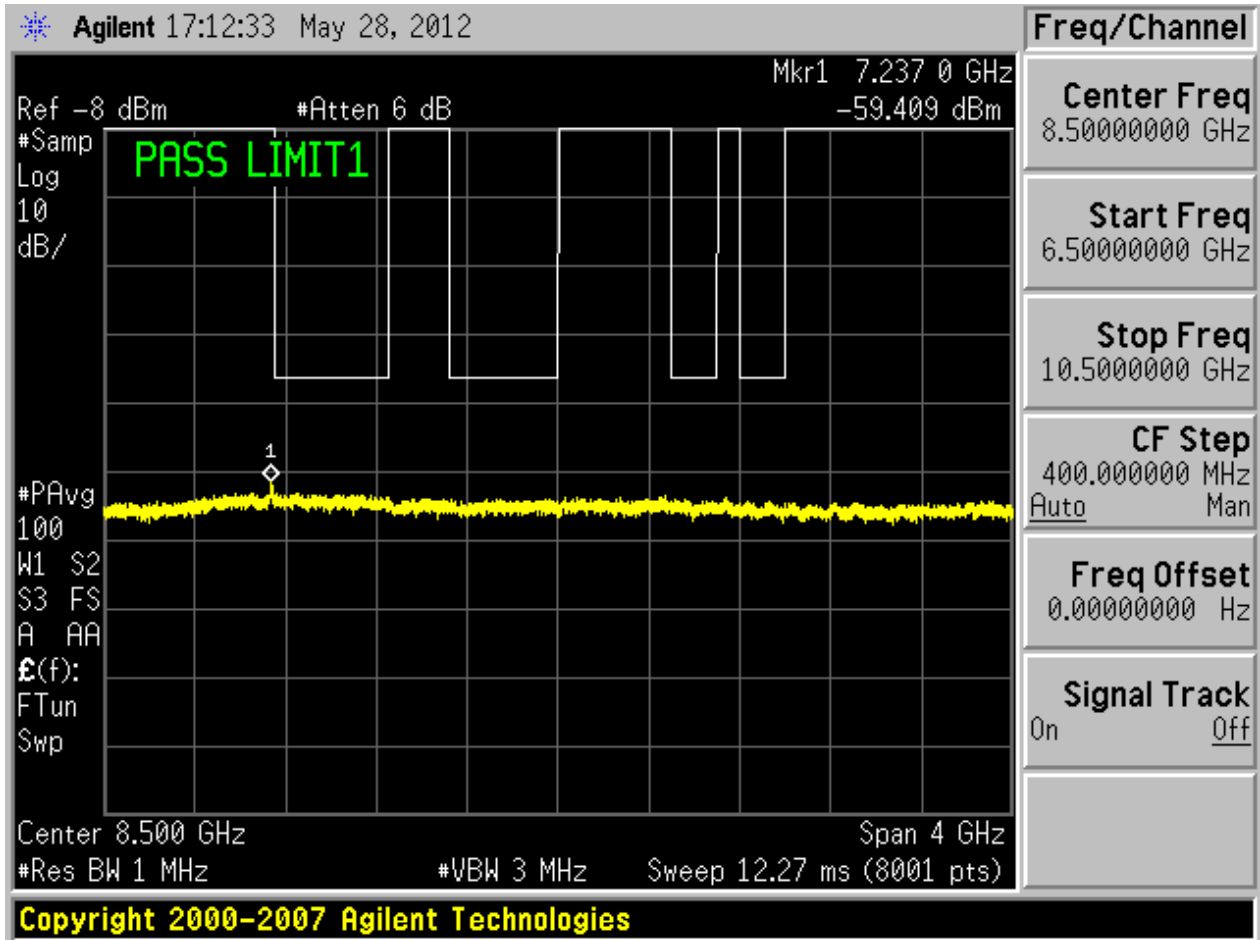


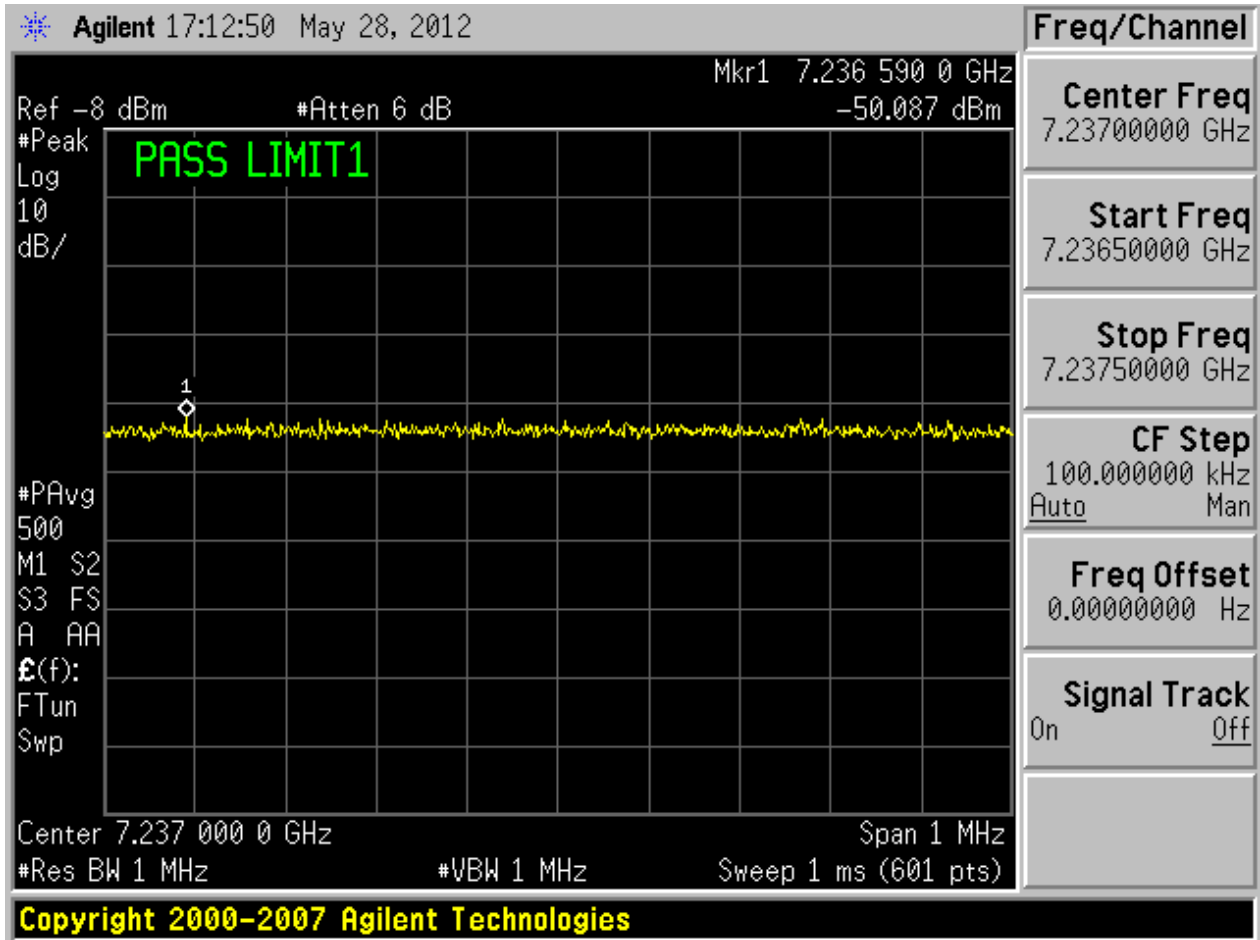


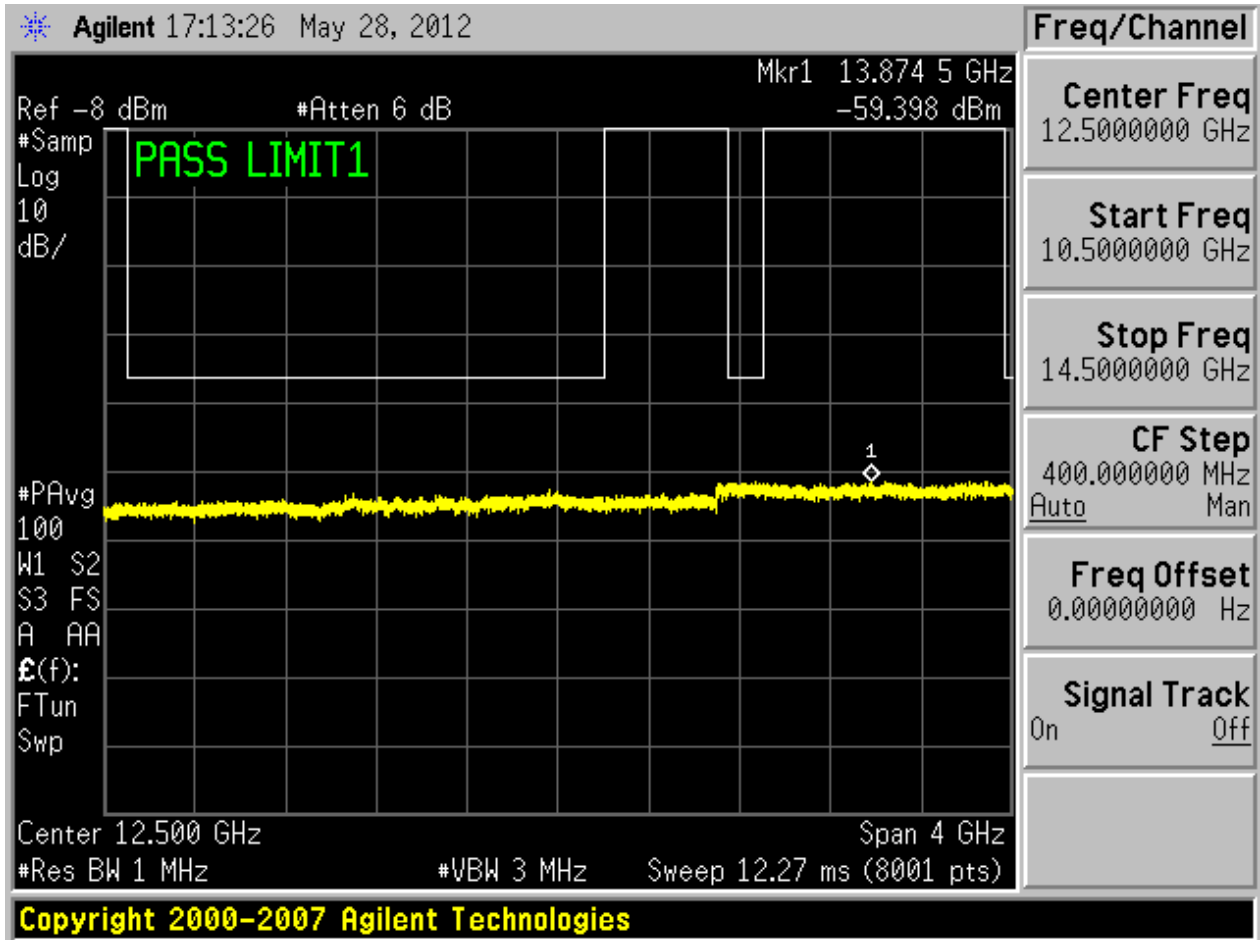


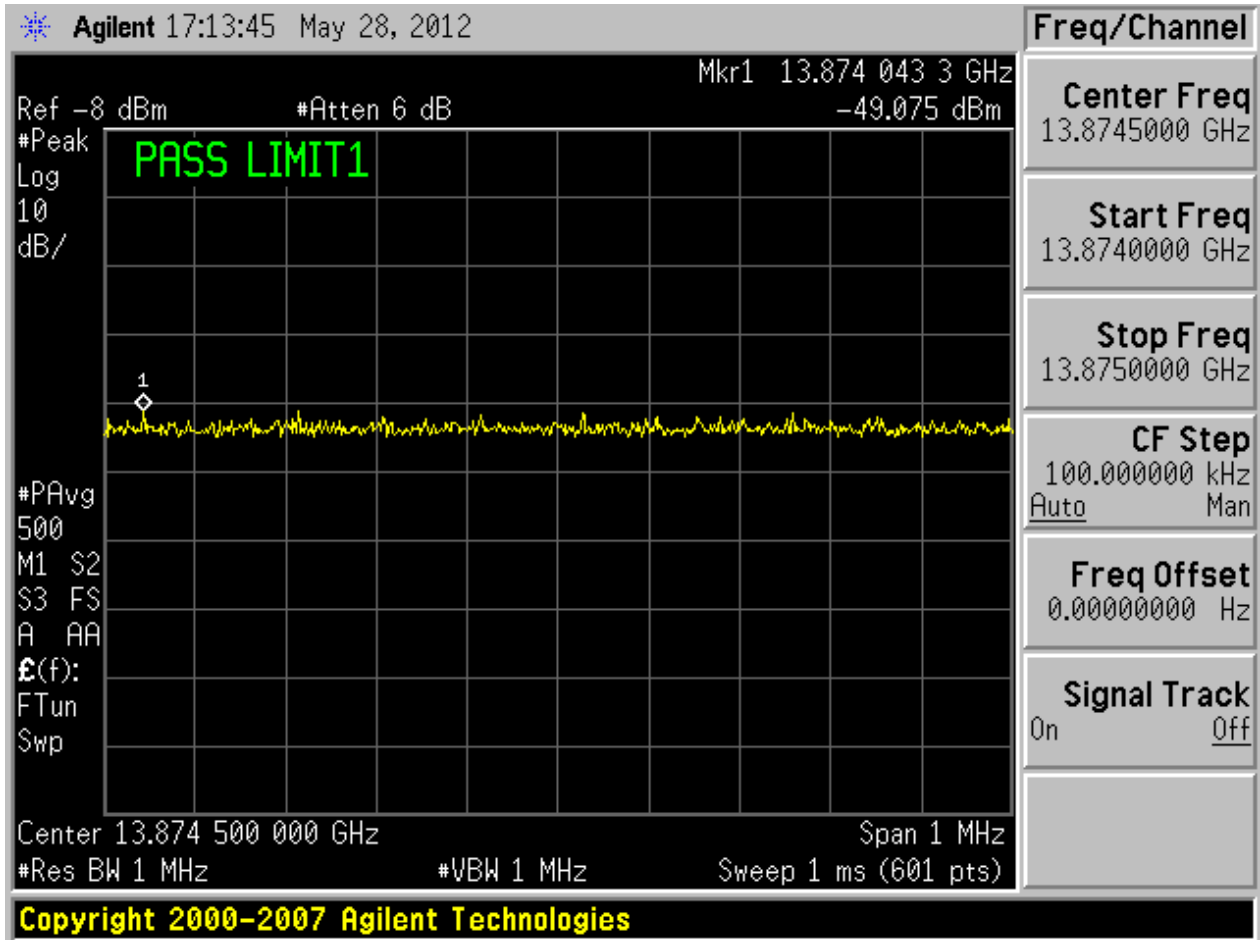


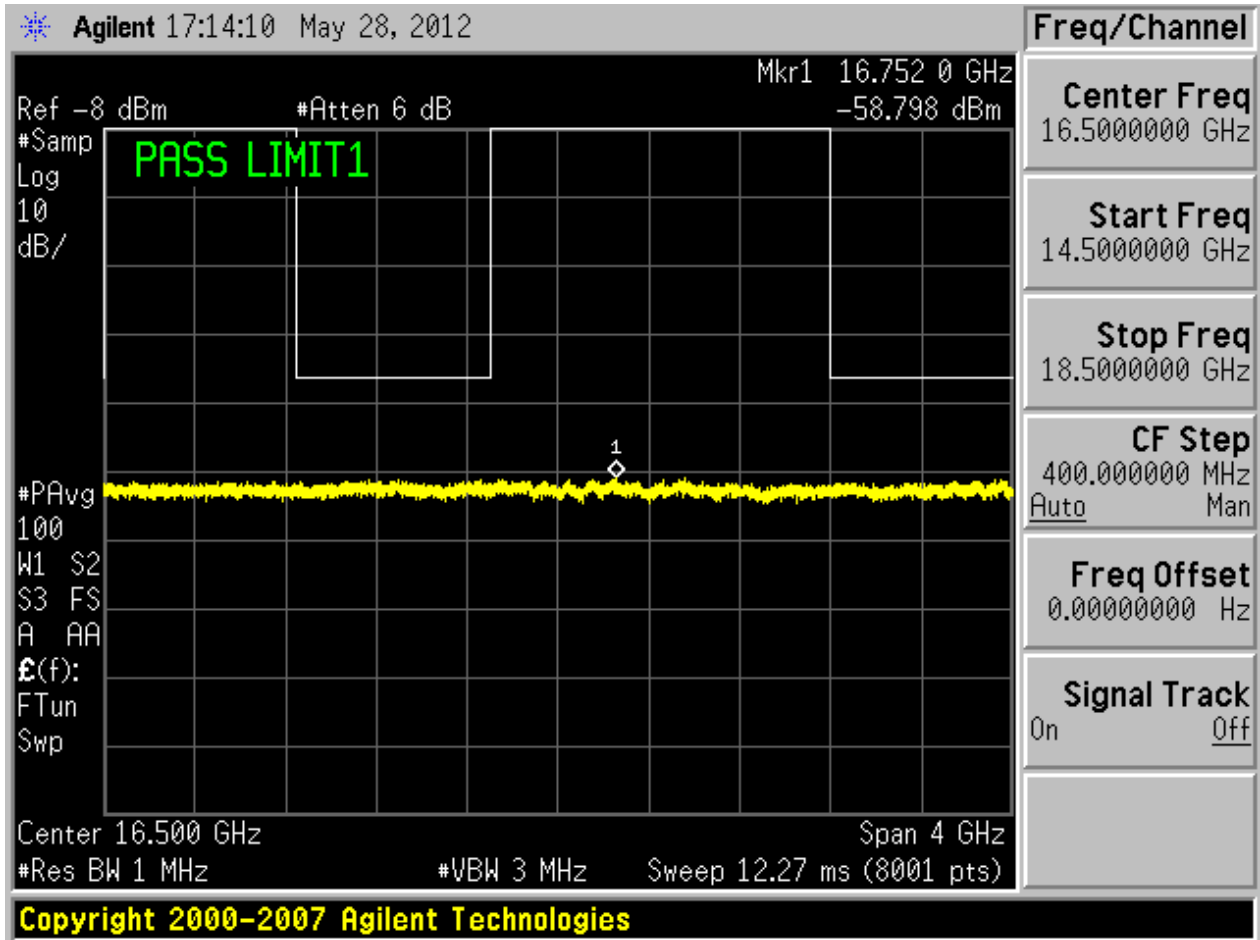


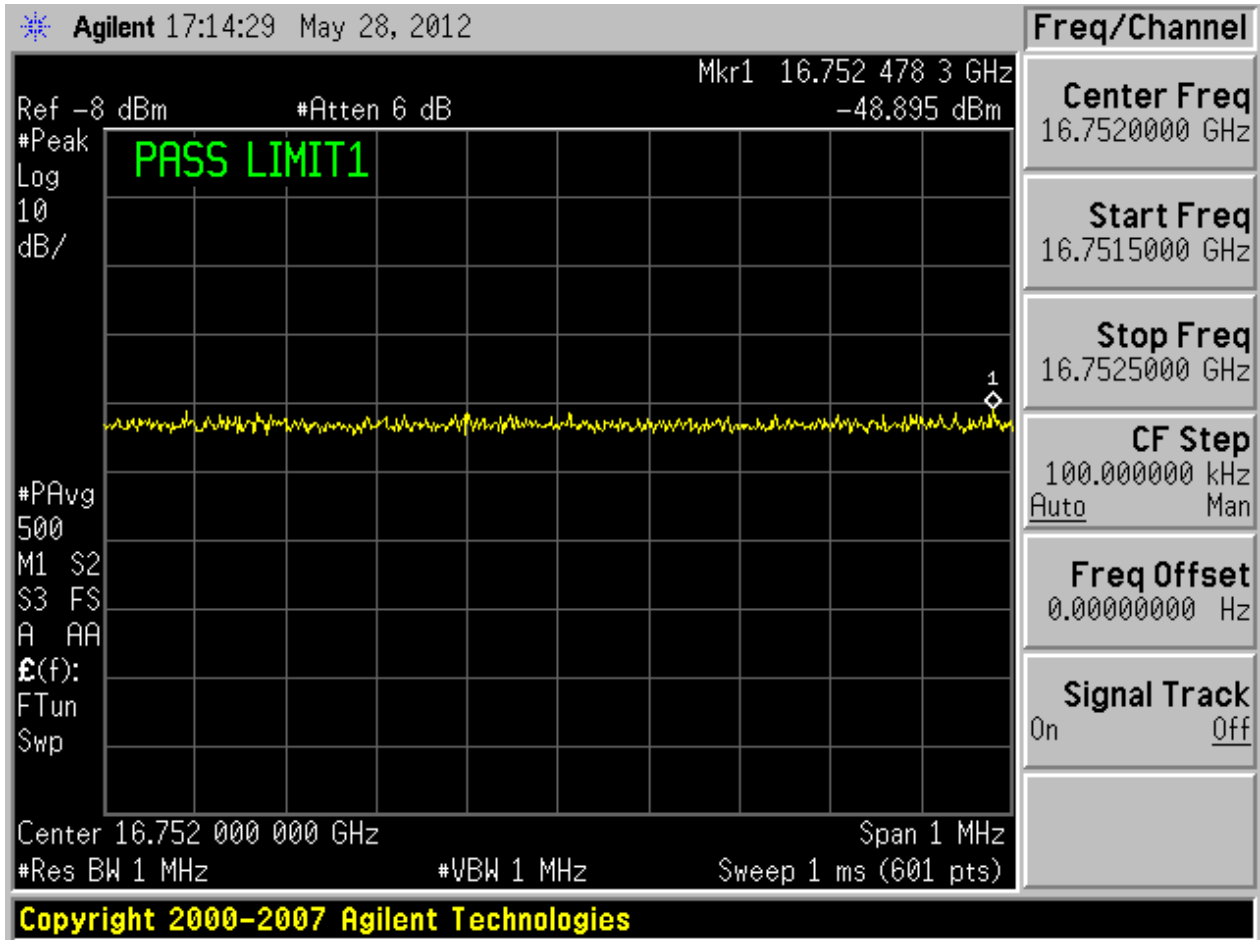


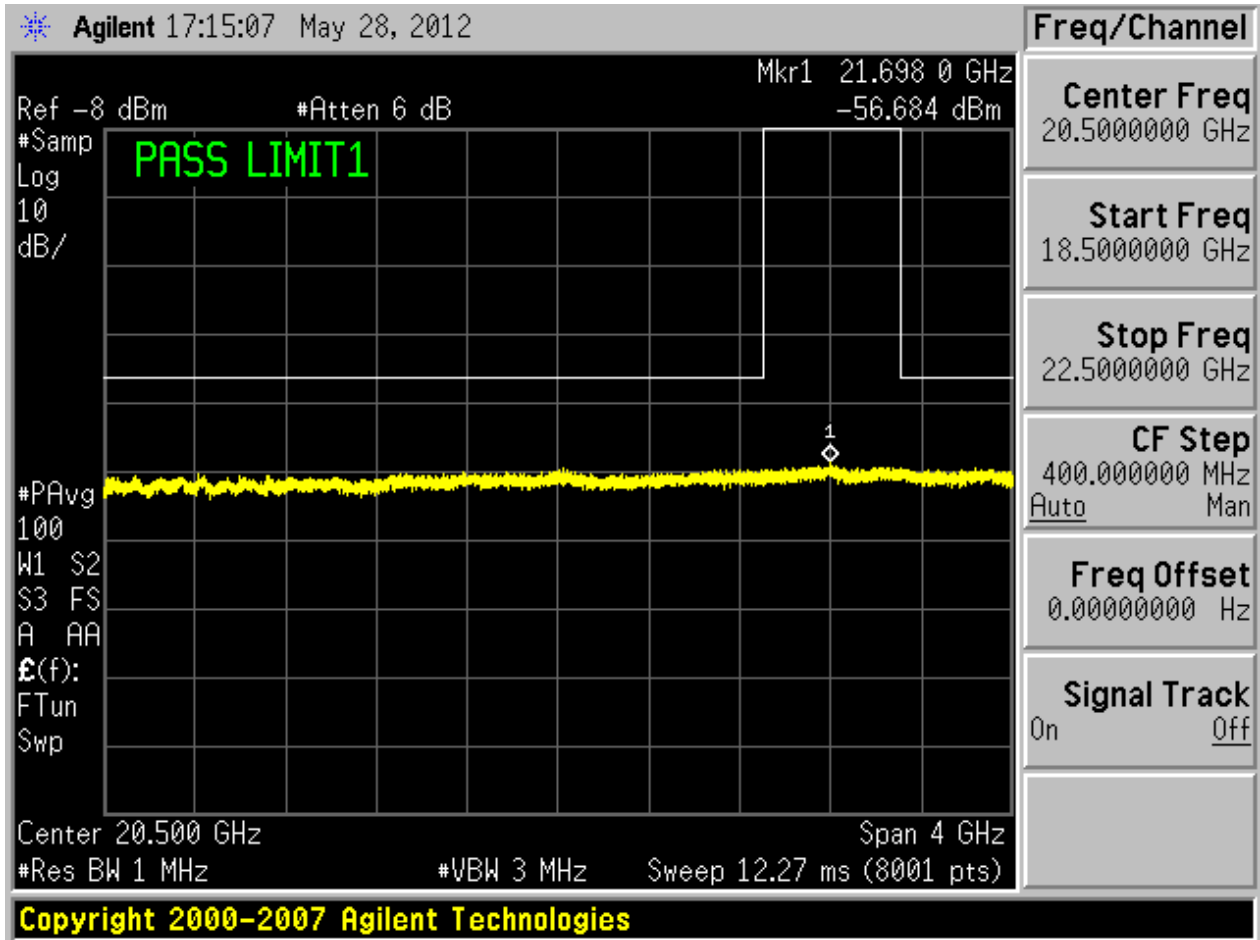


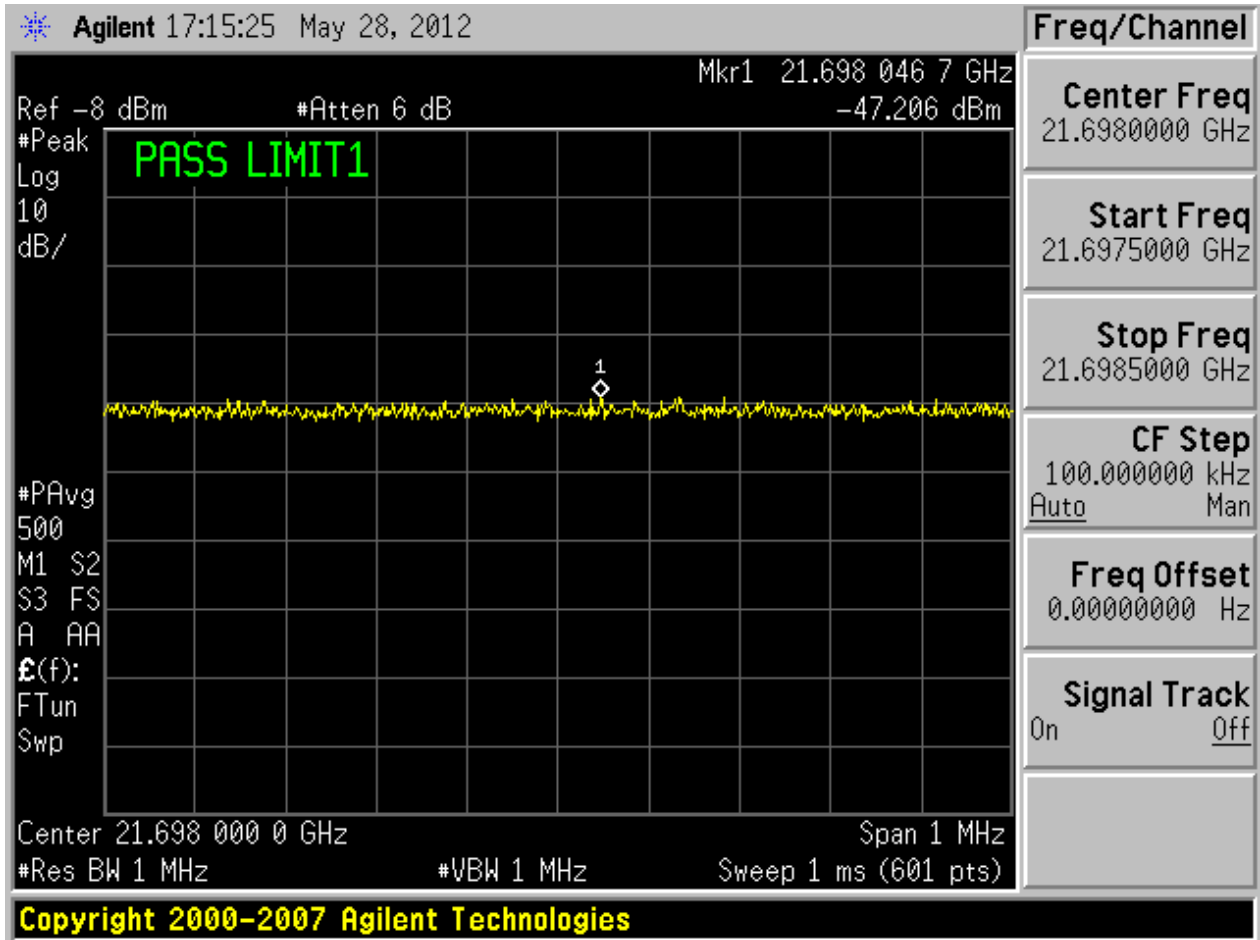


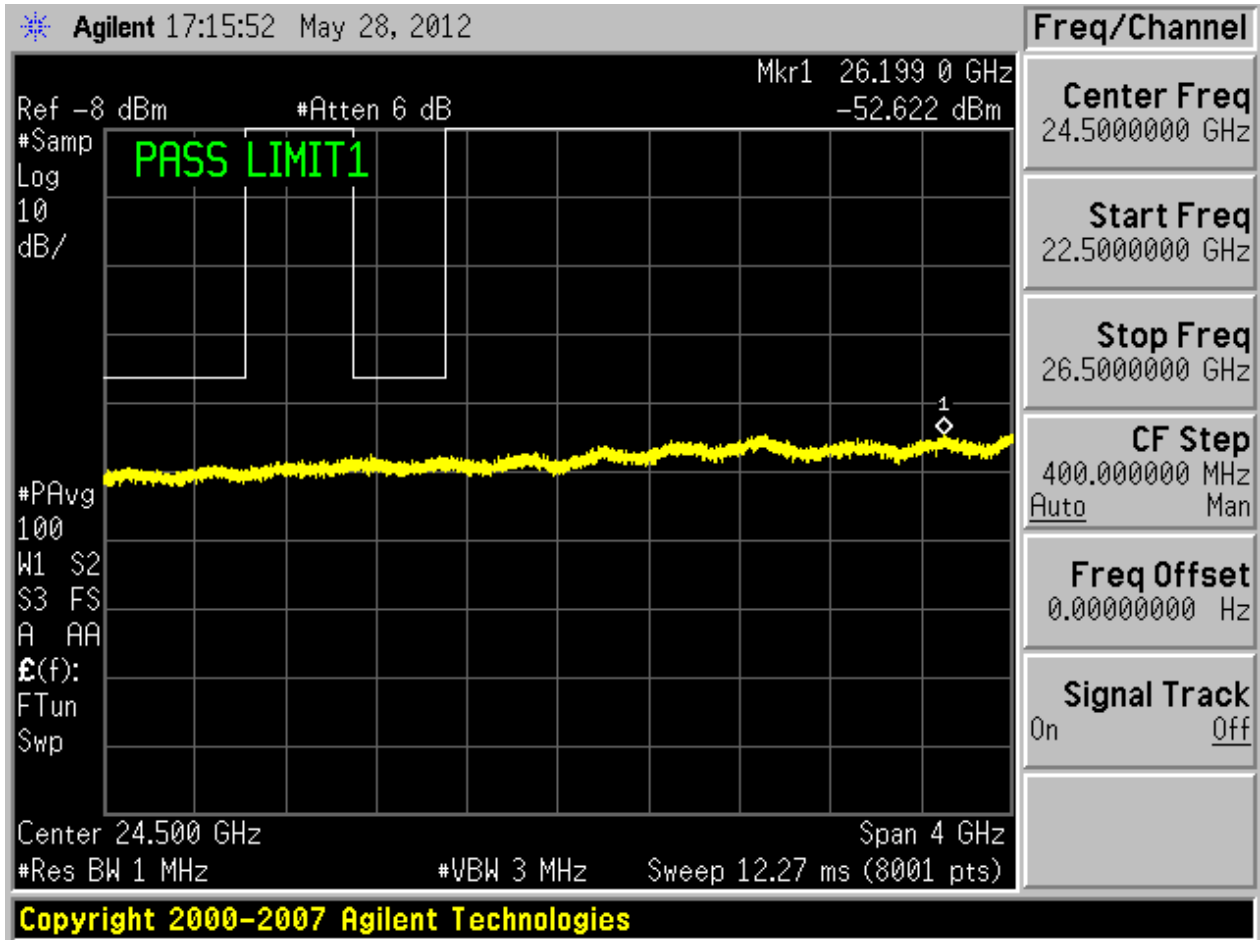


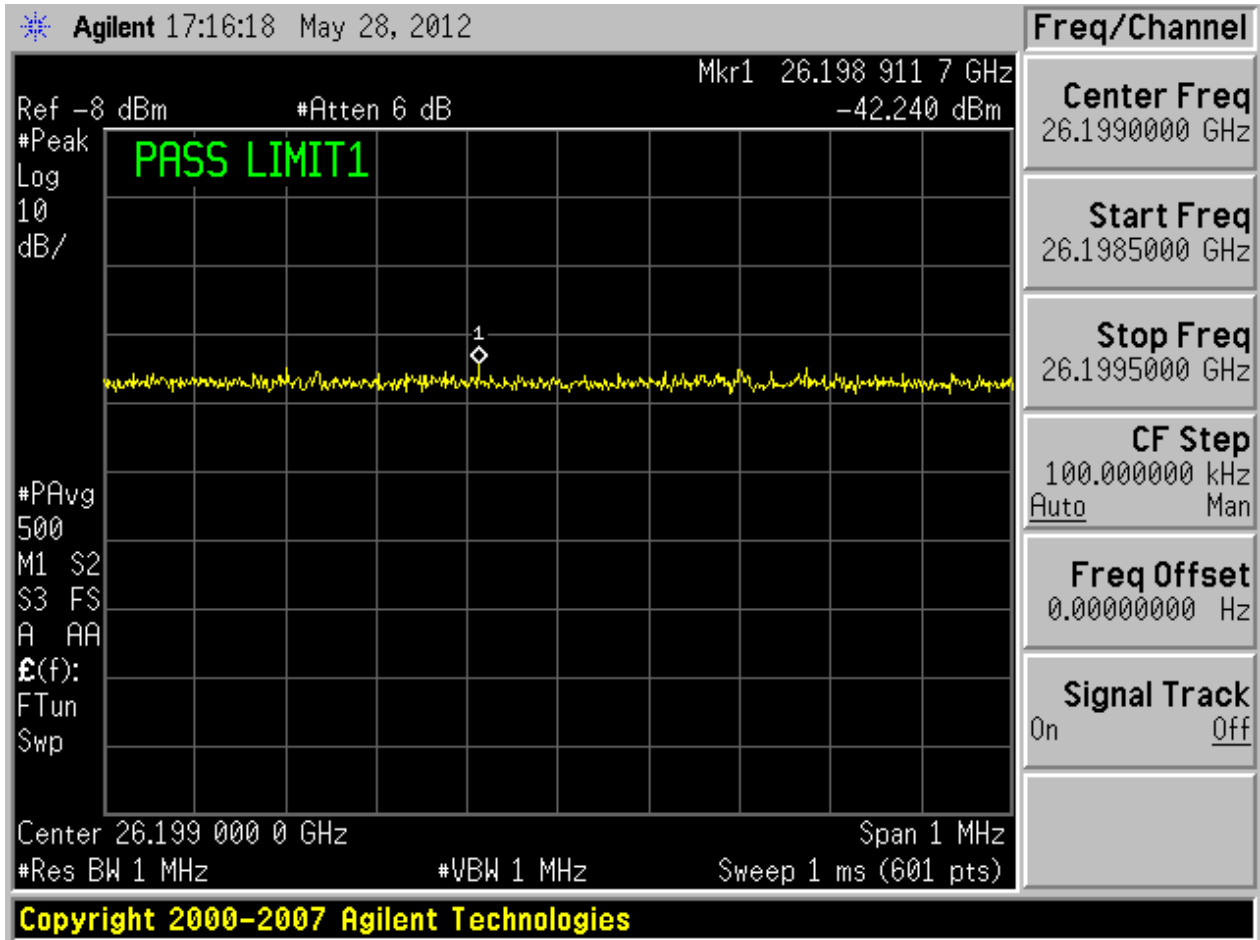




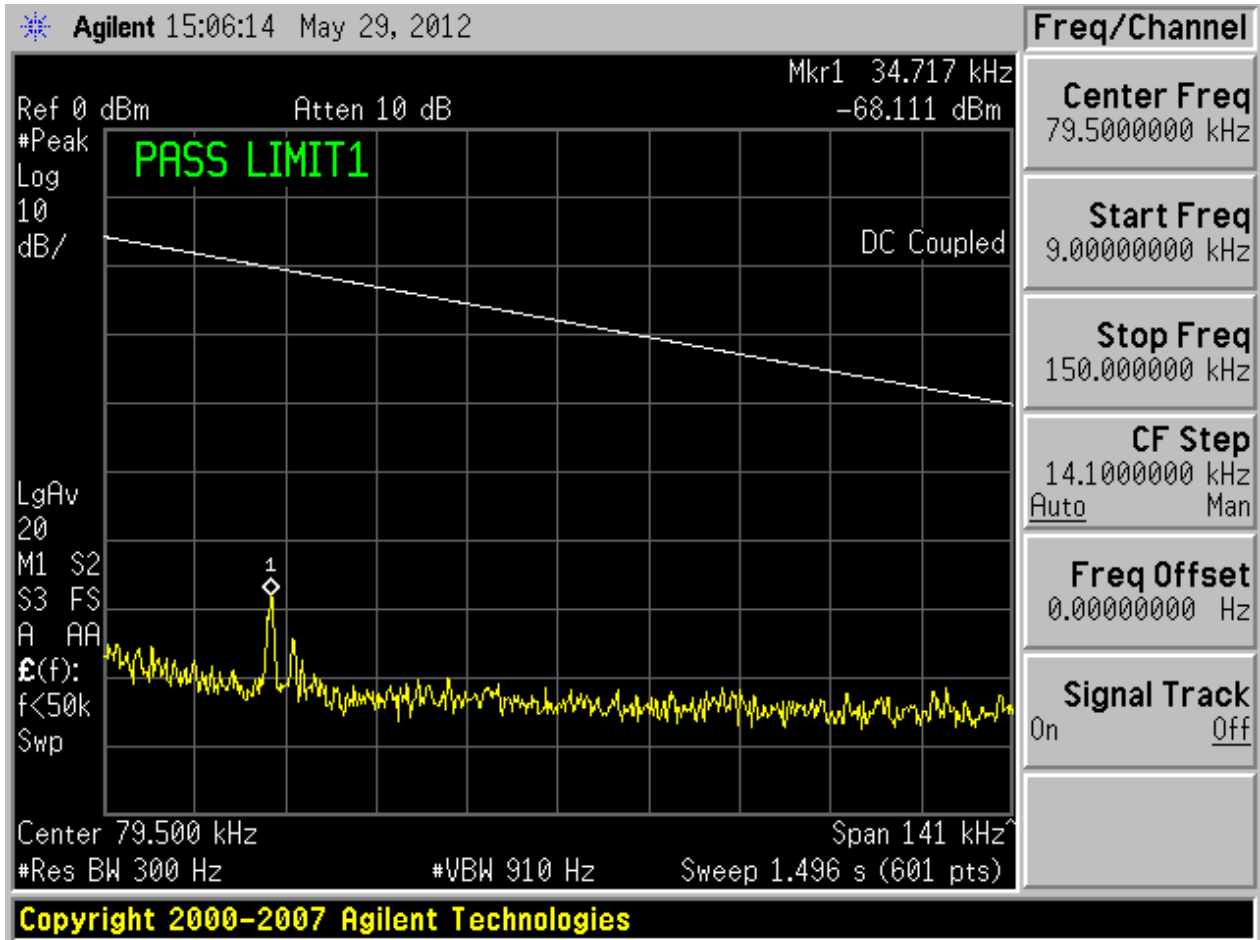


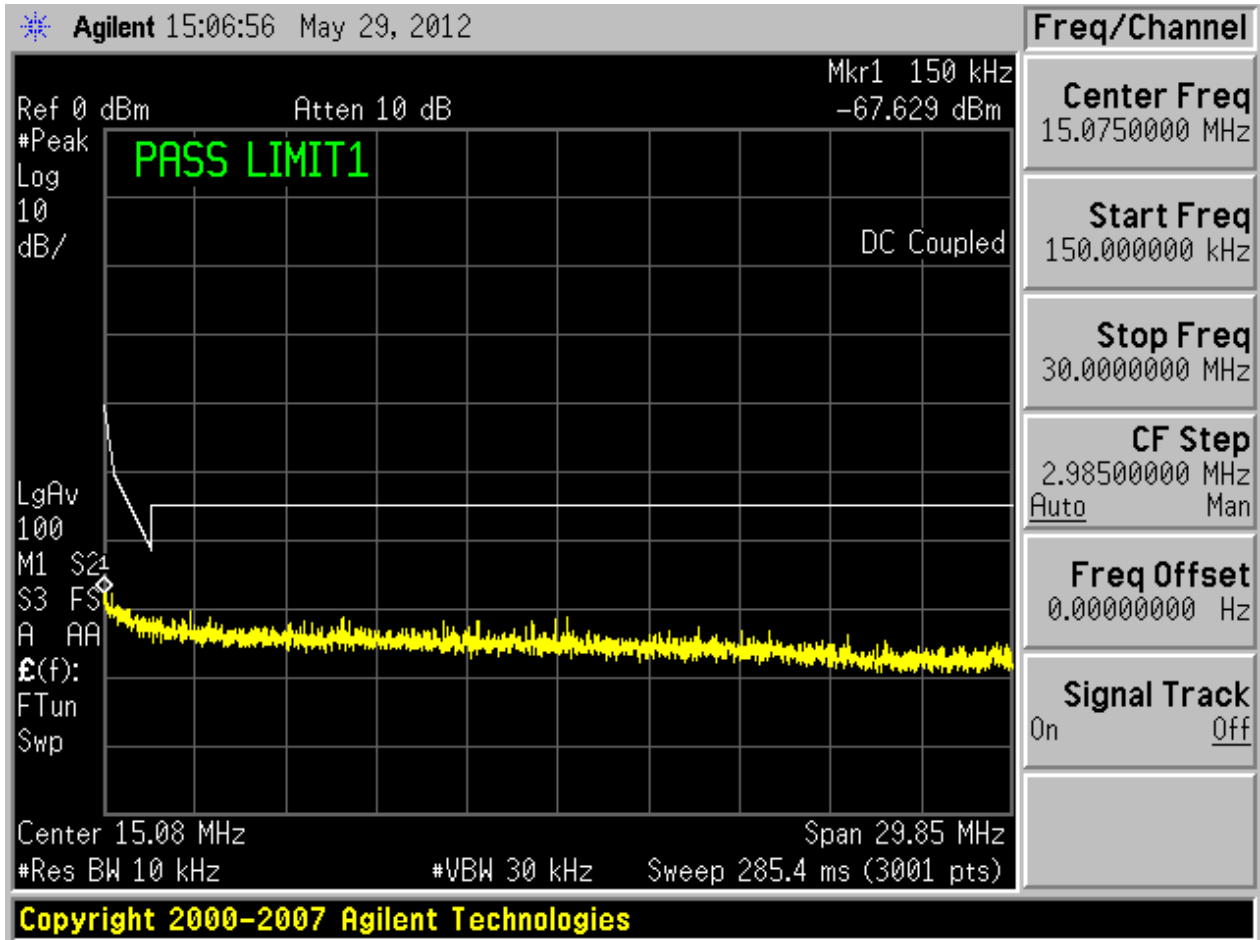


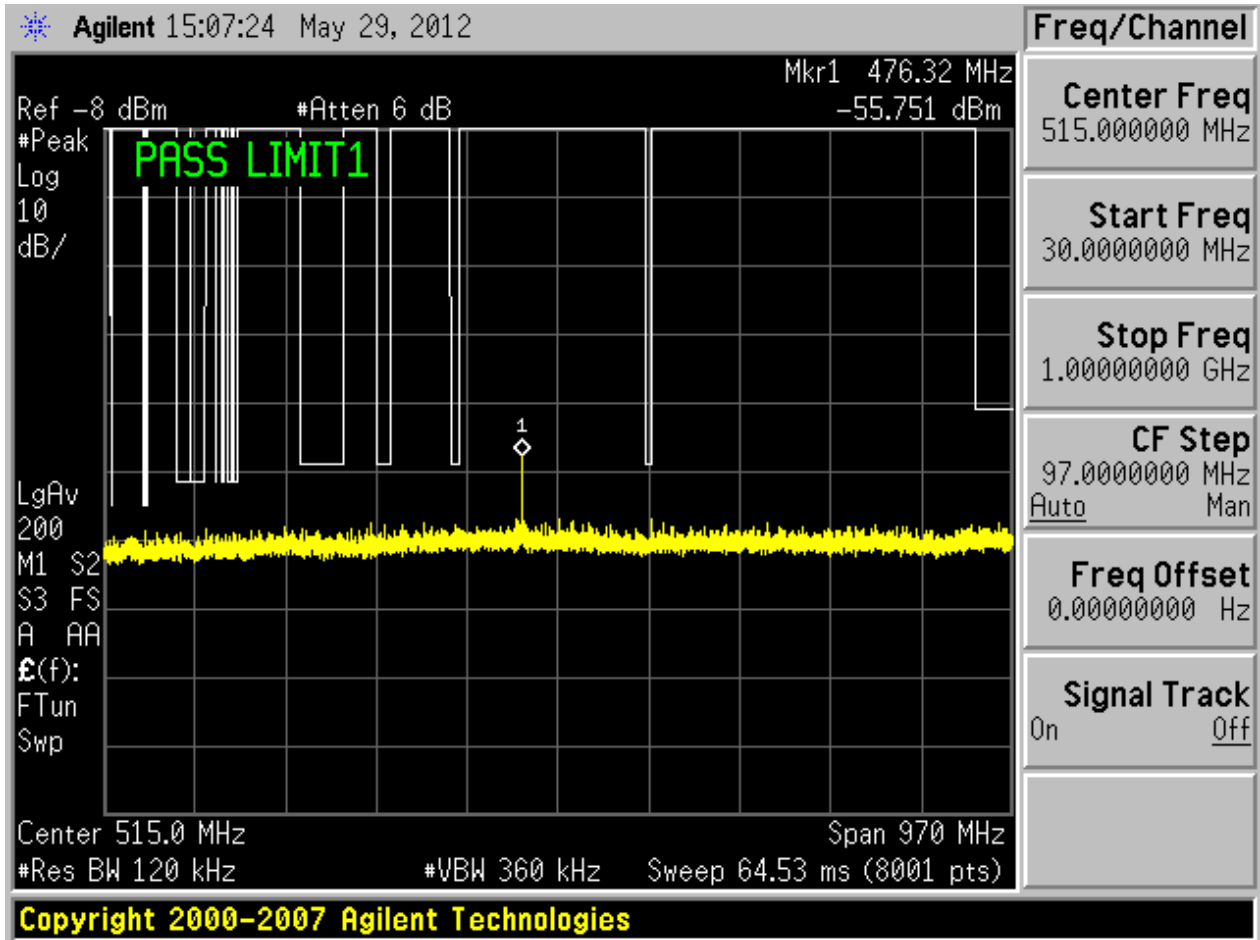


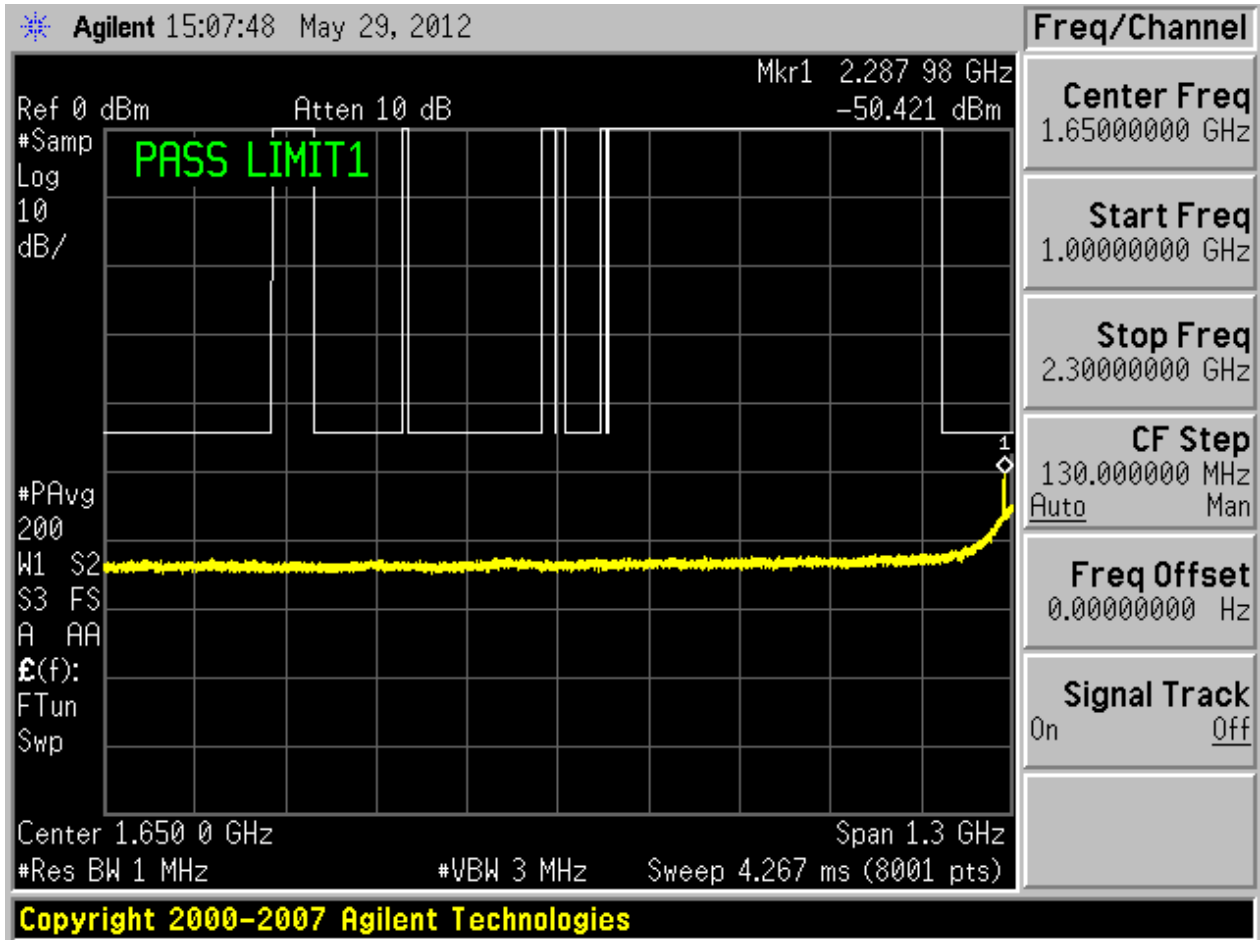


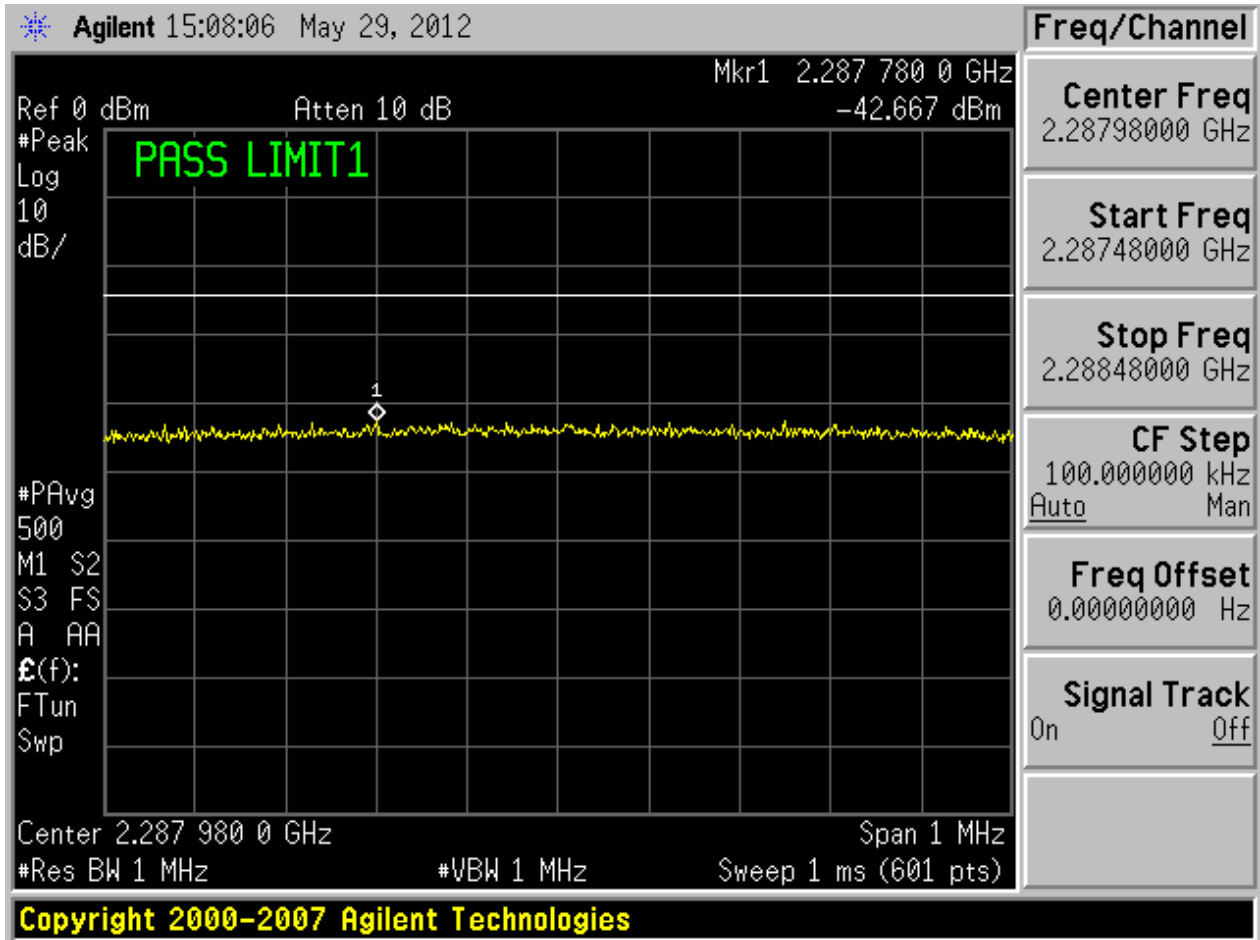
2.3 11B/1_M@1

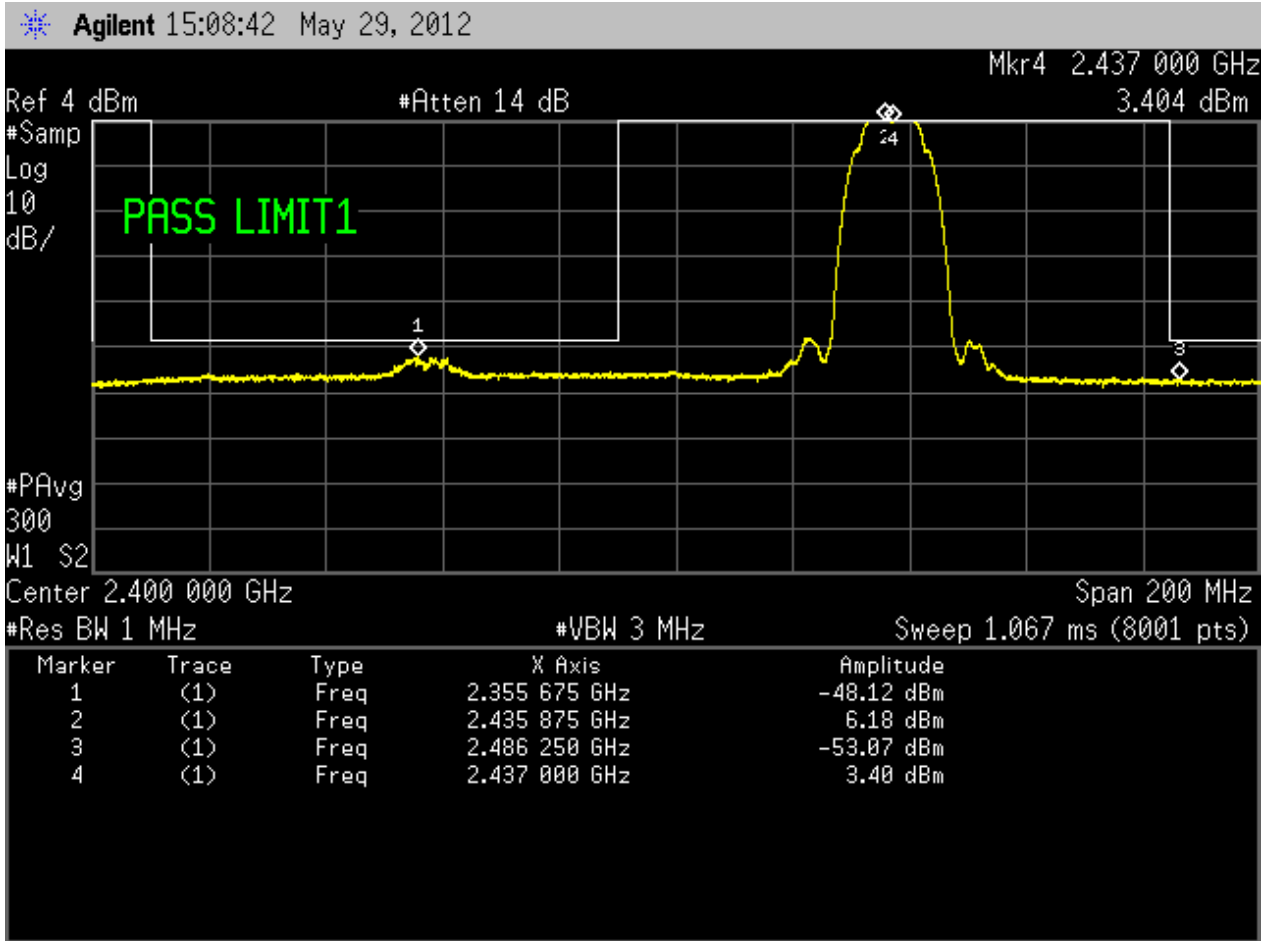


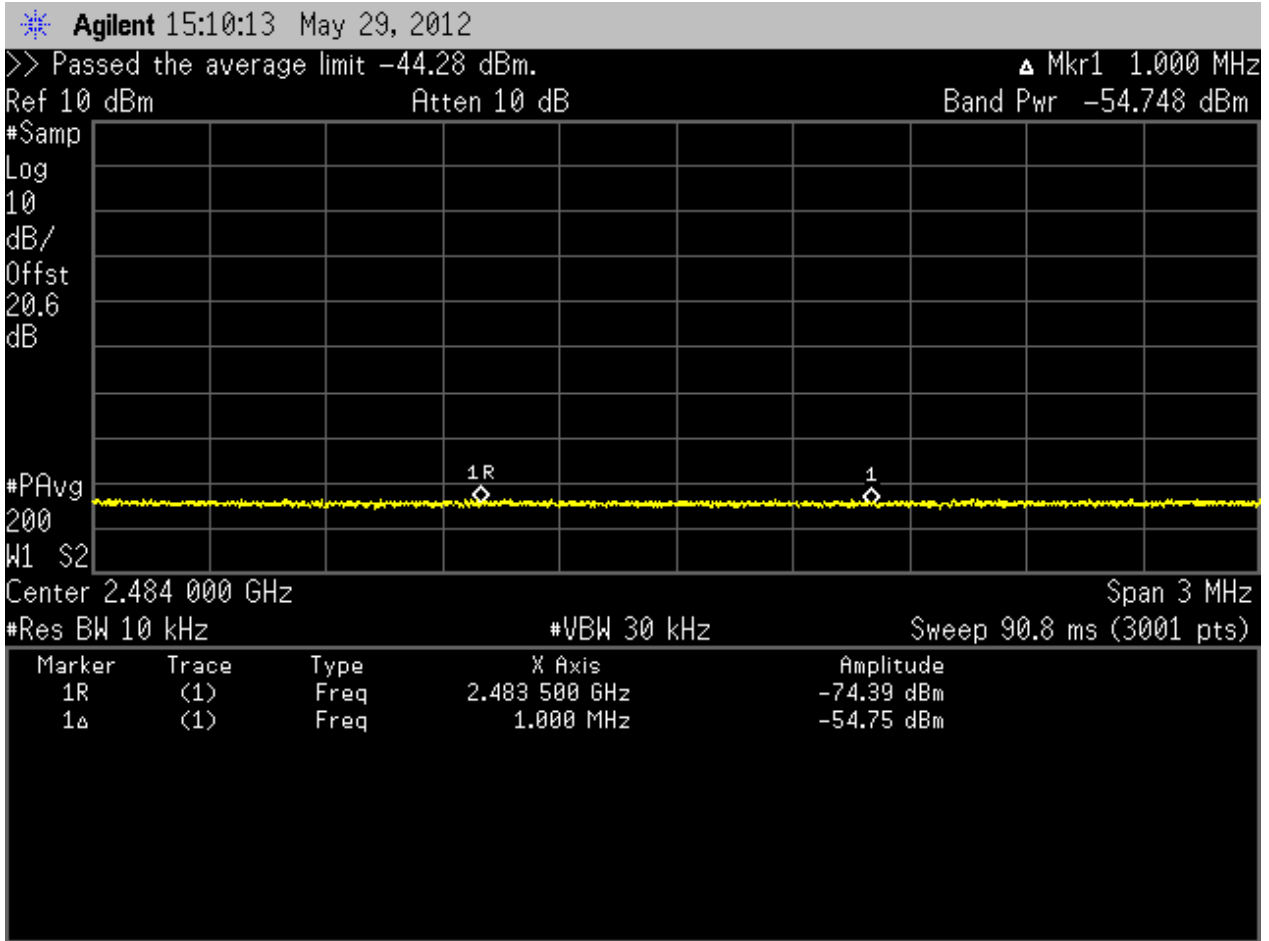


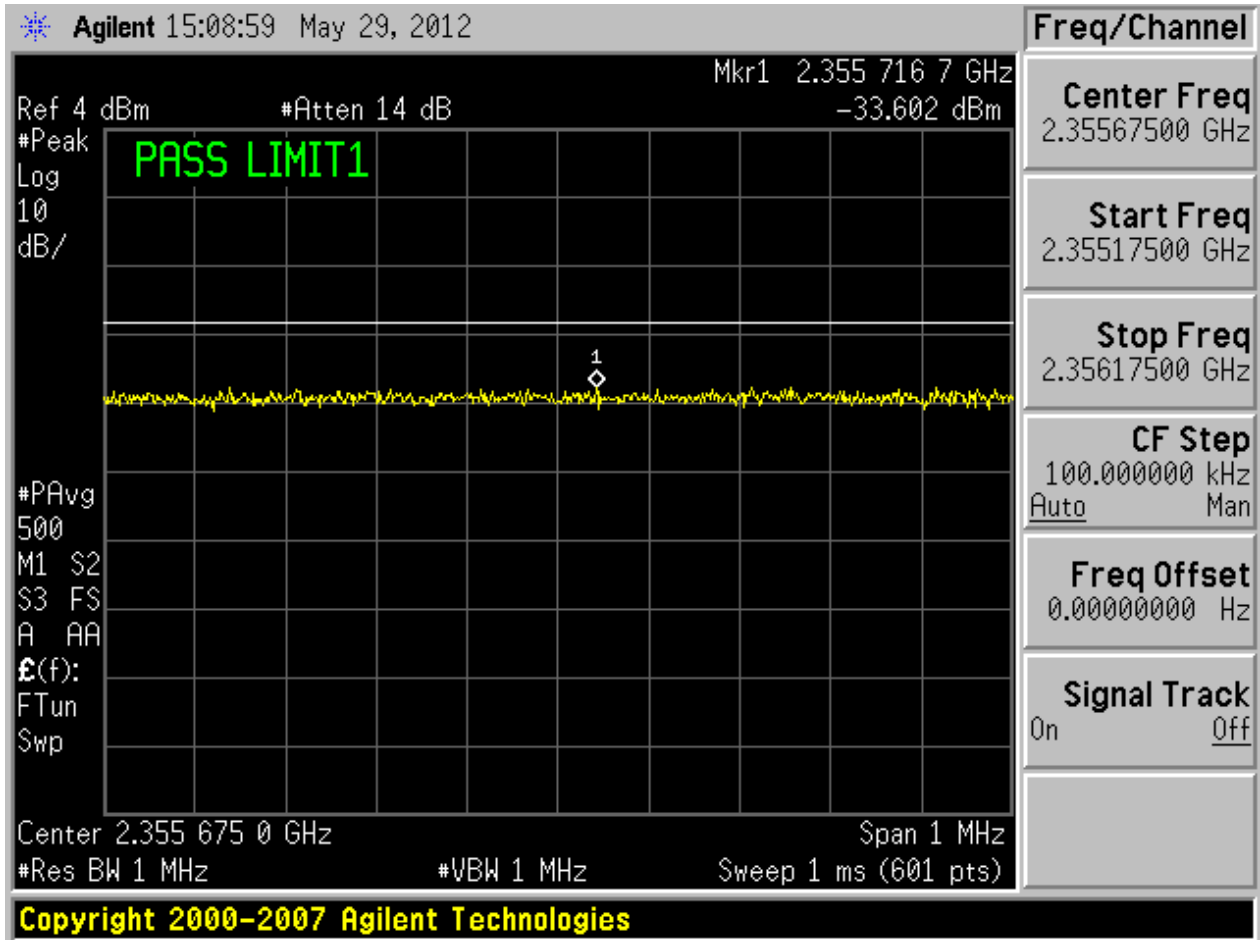


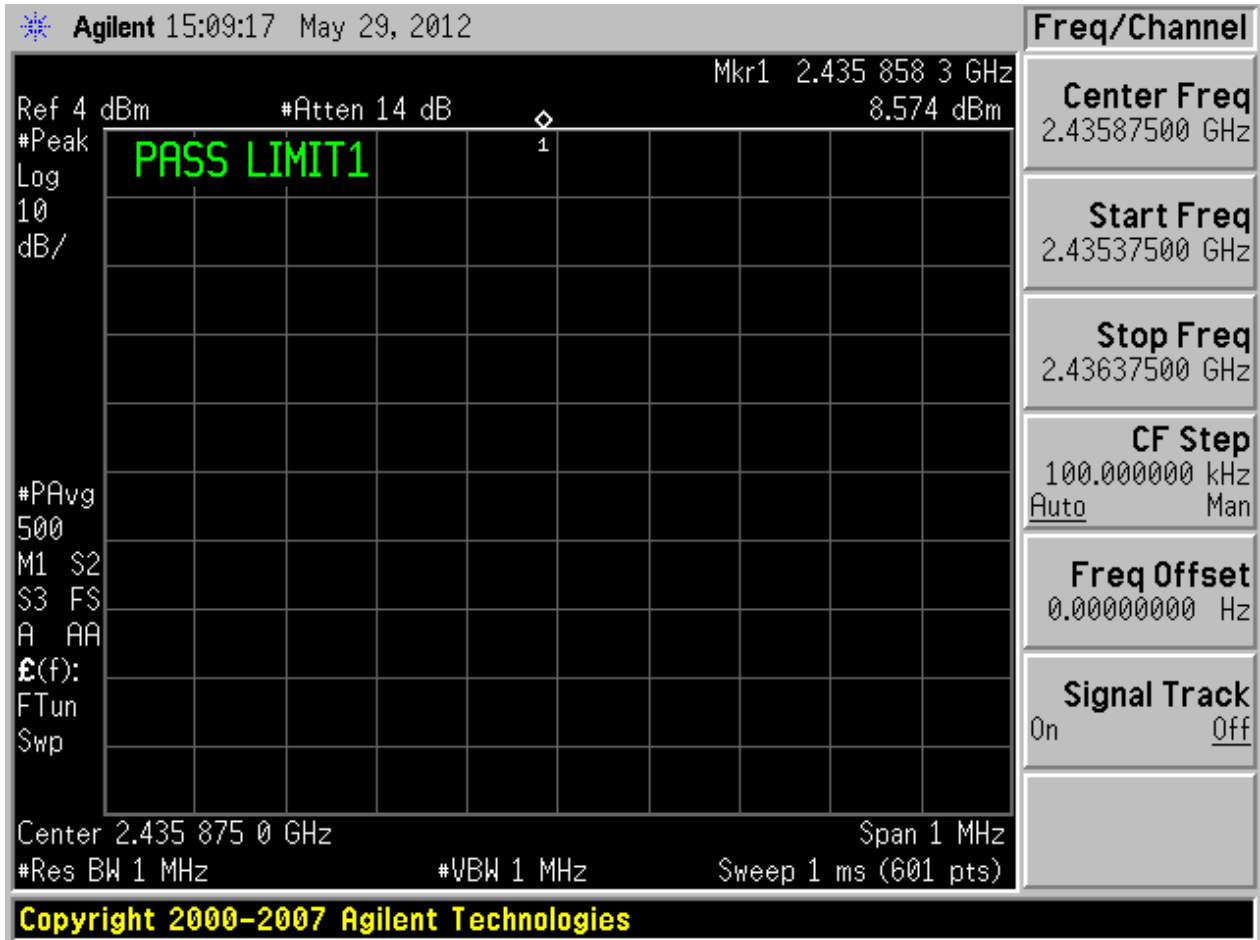


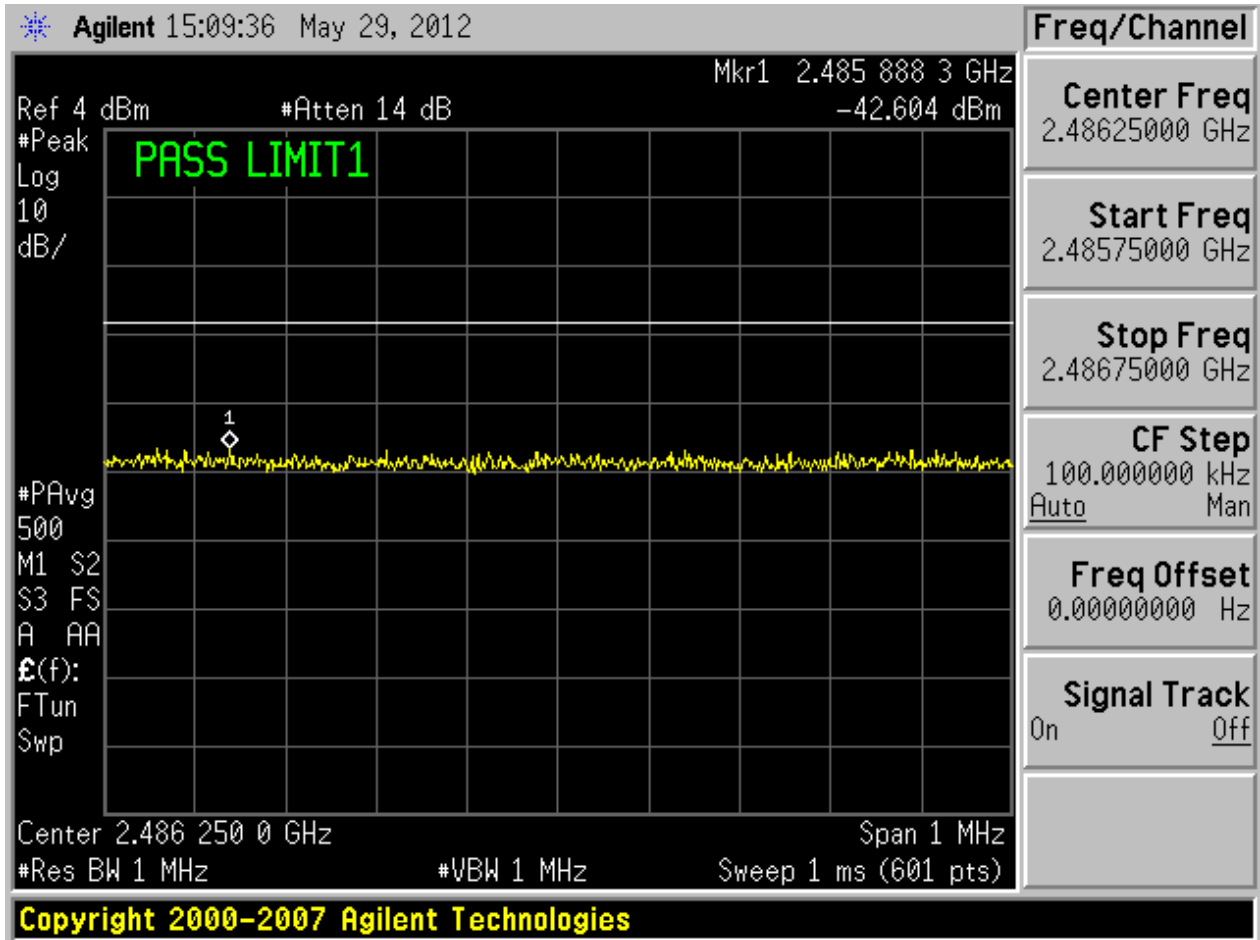


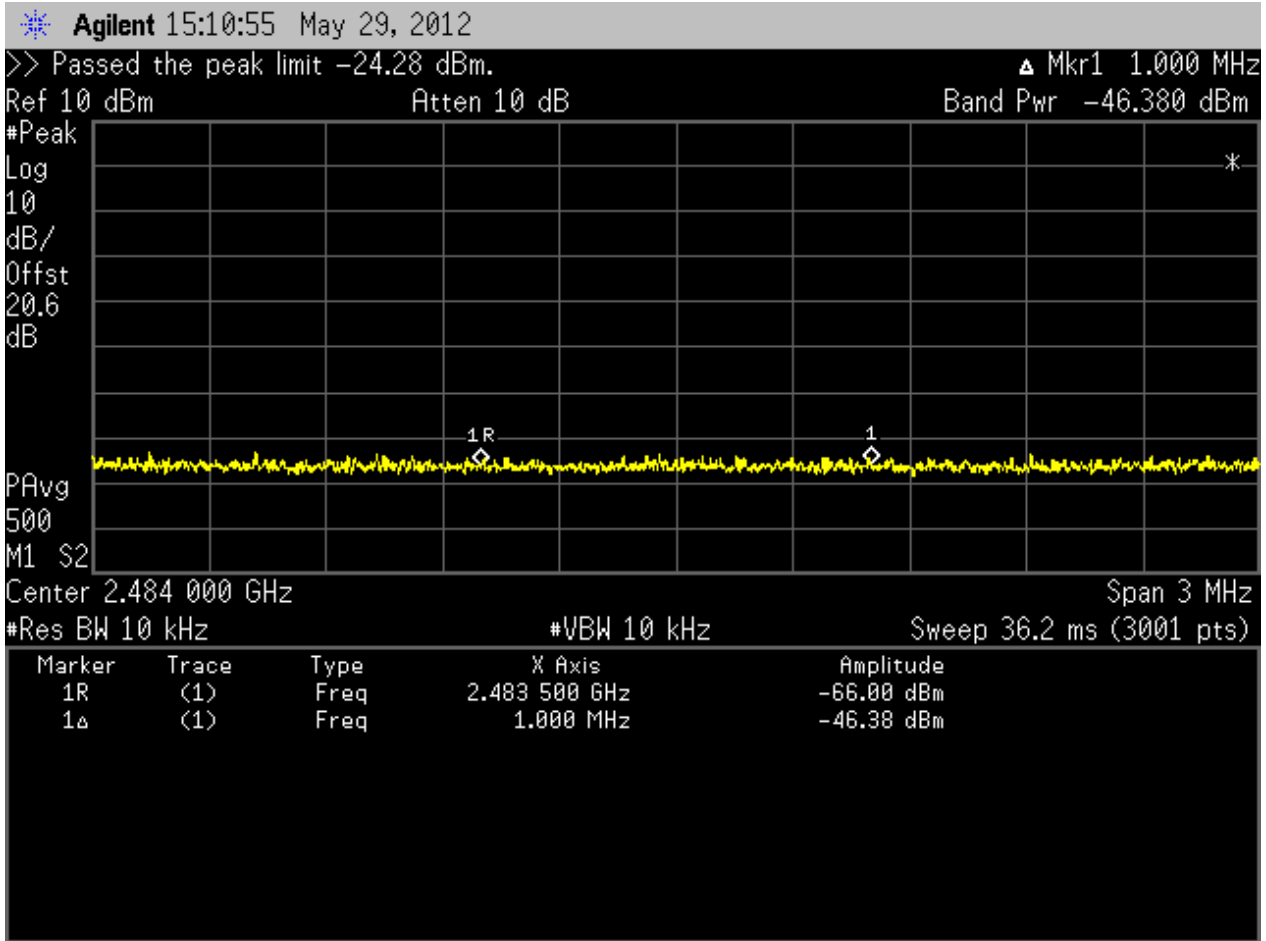


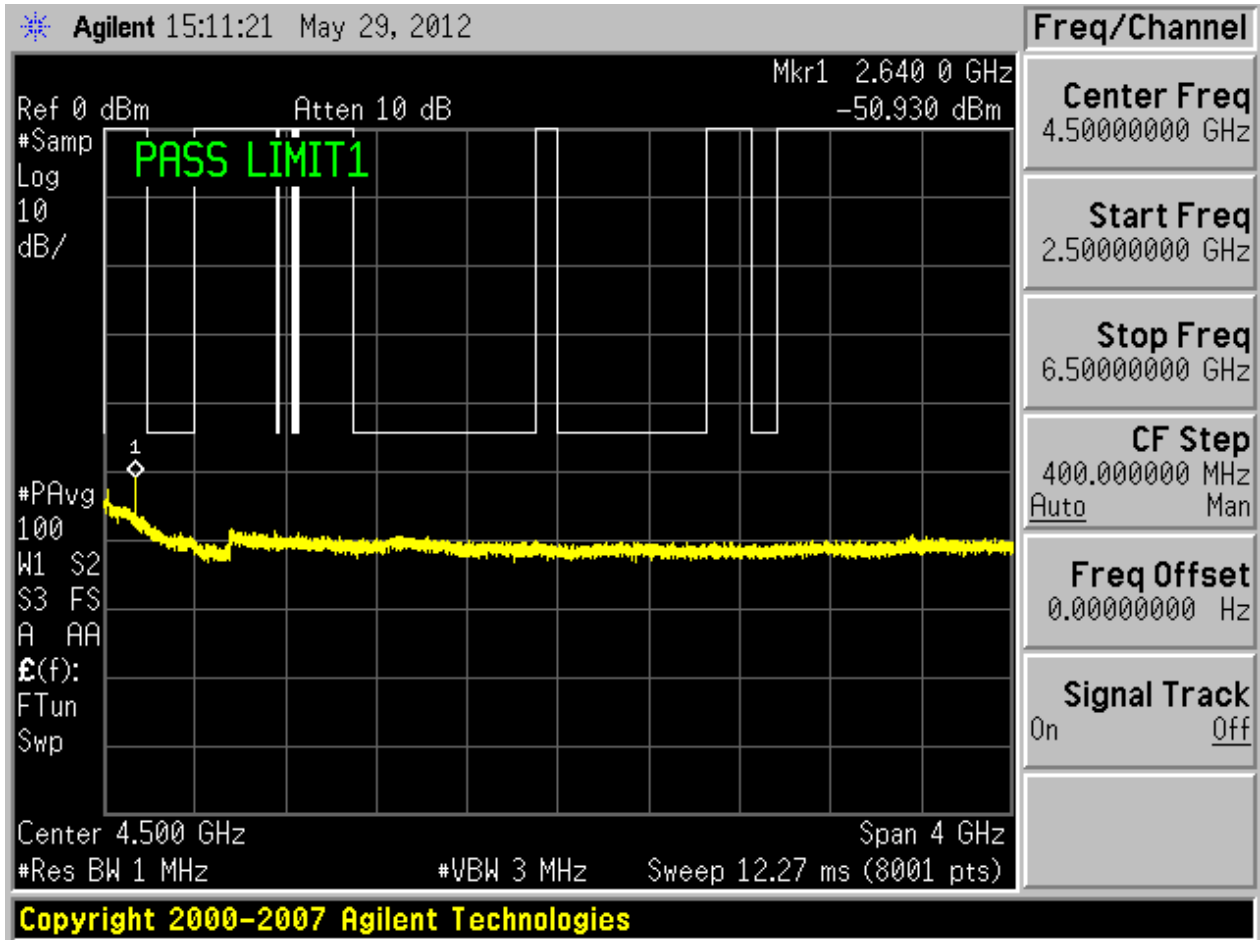


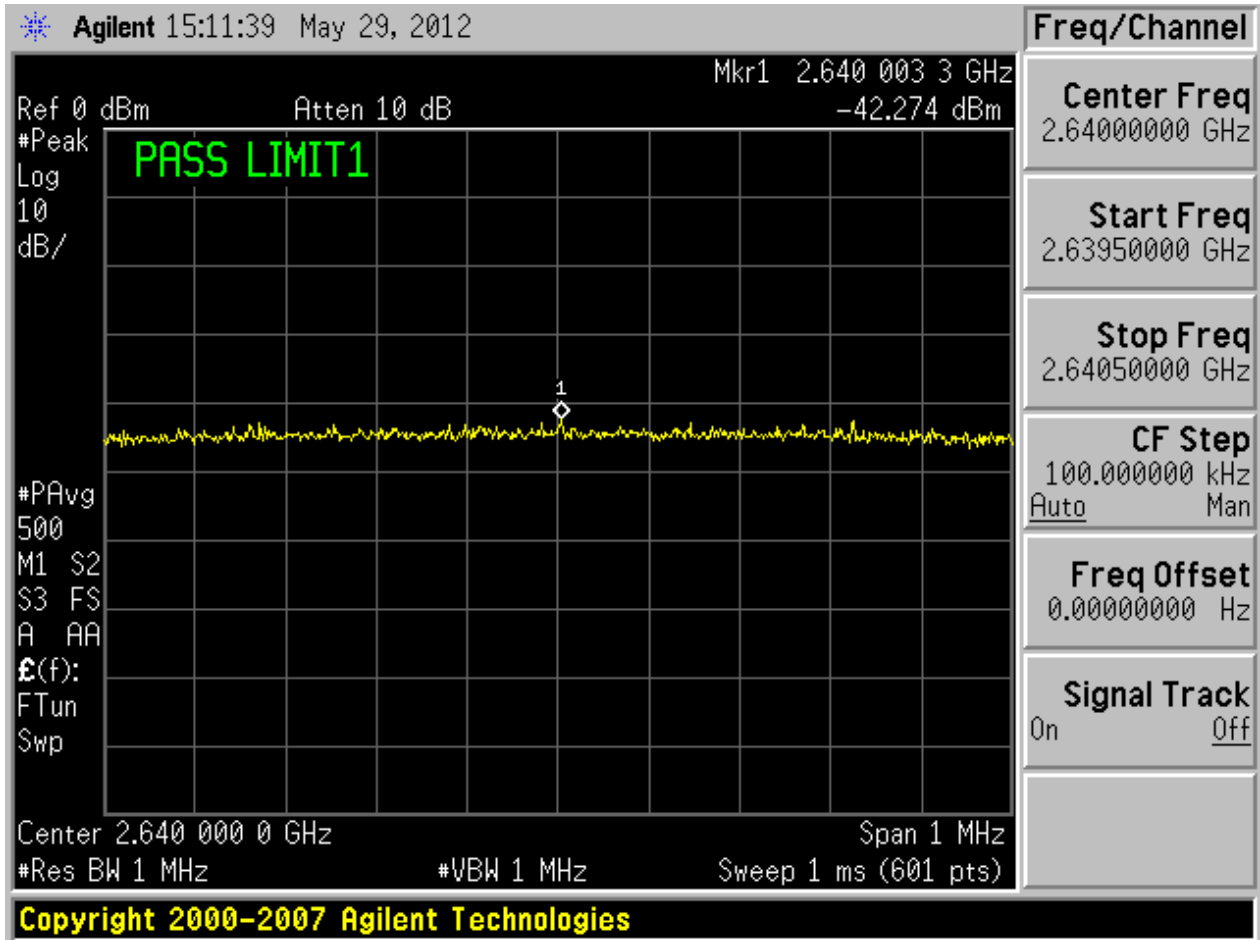


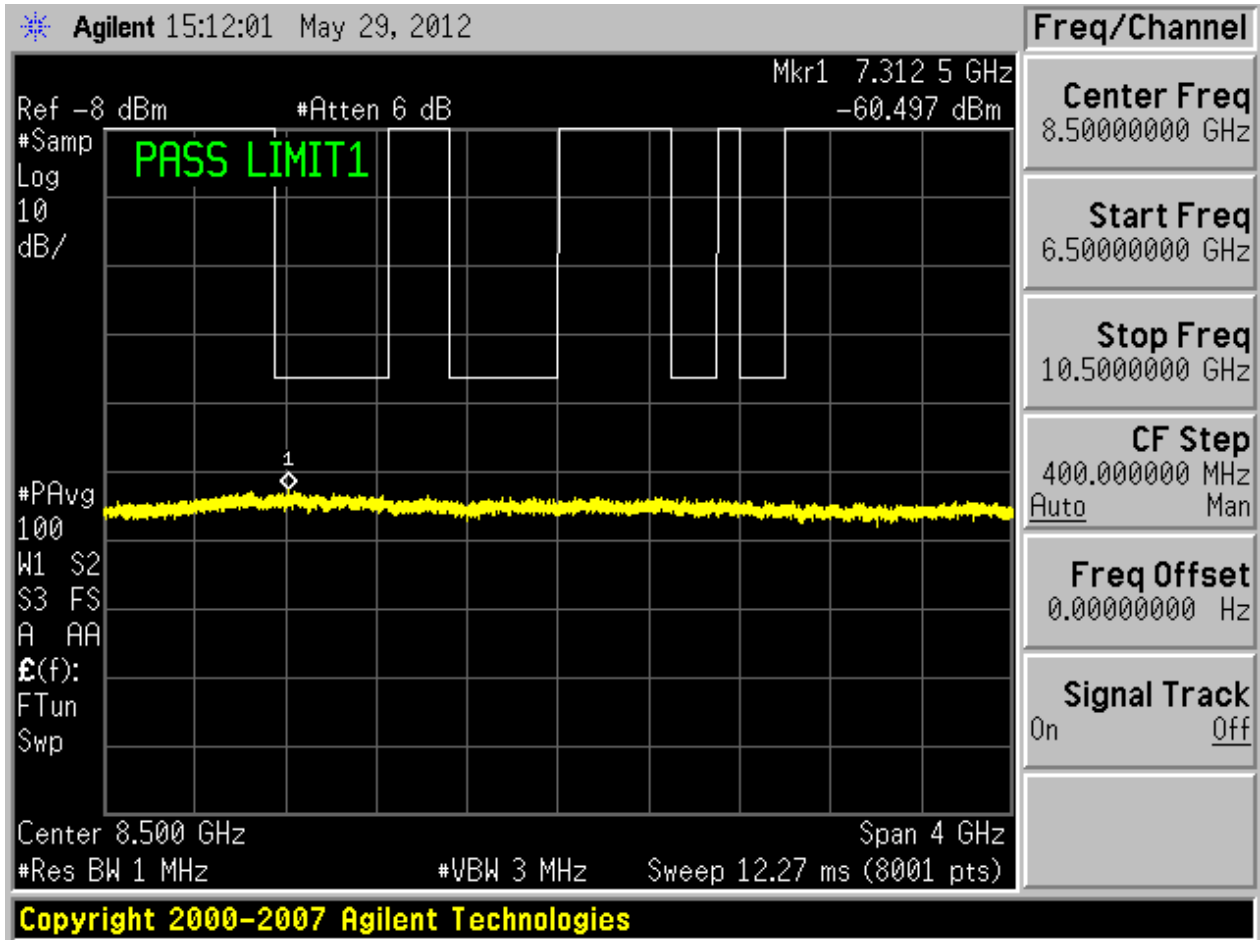


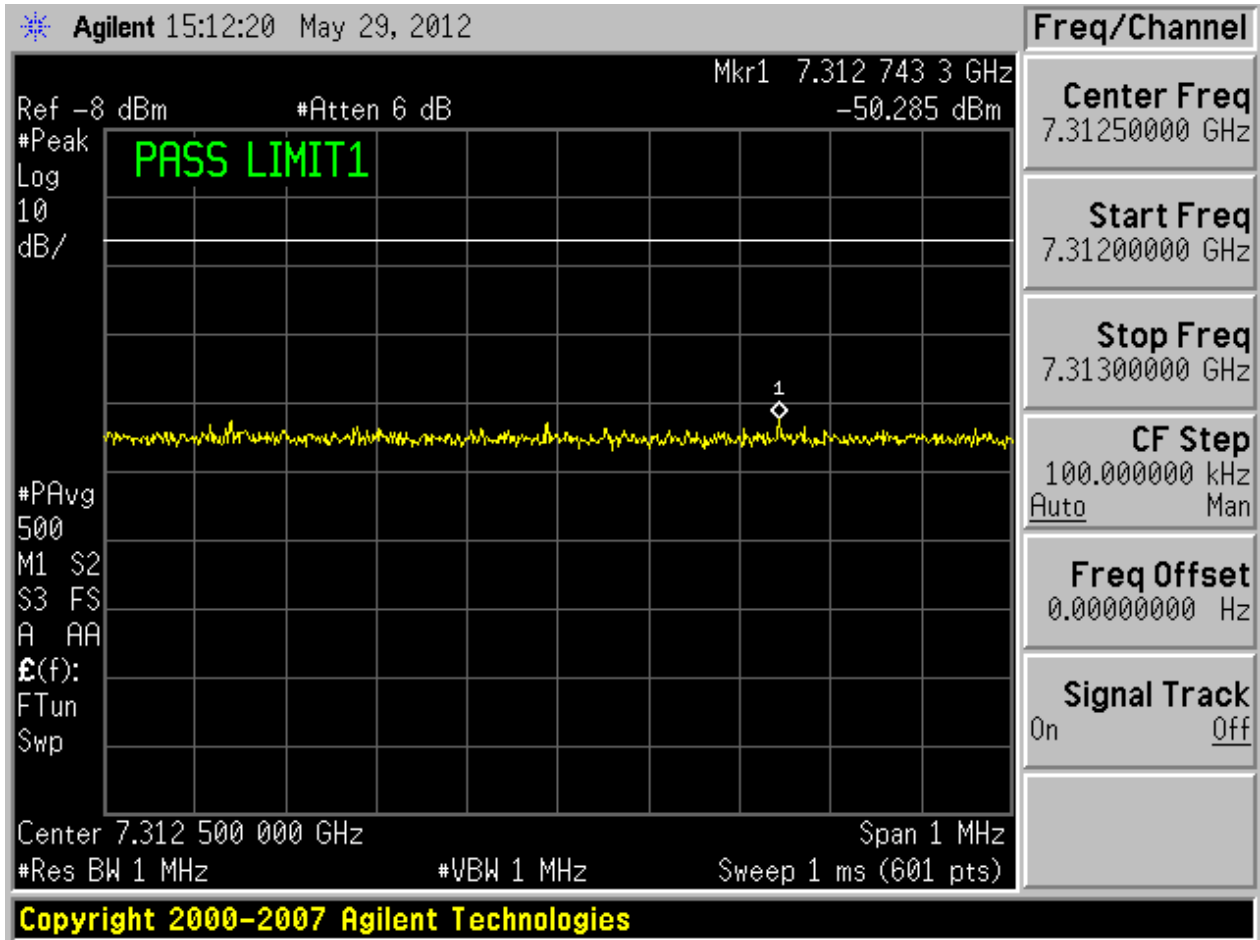


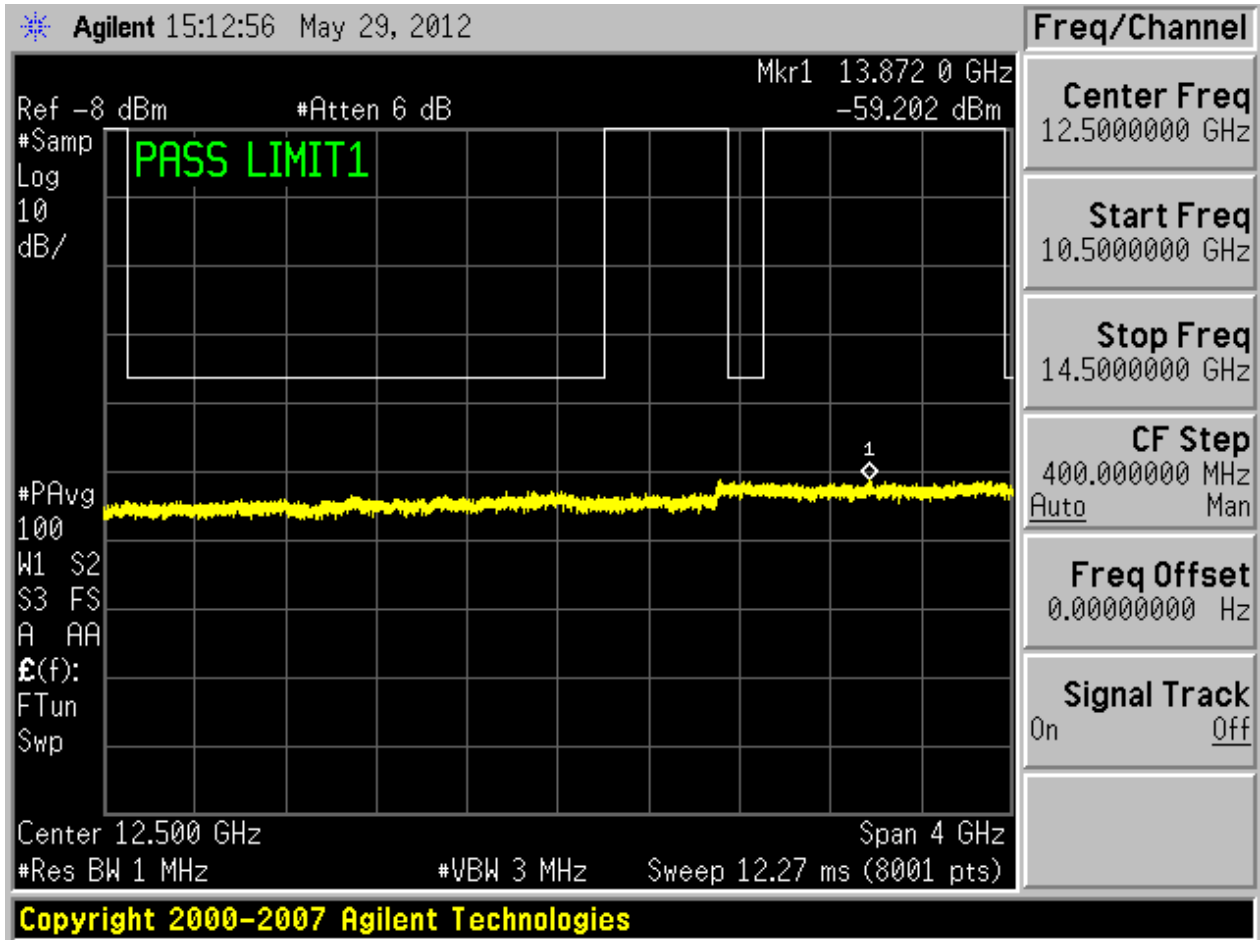


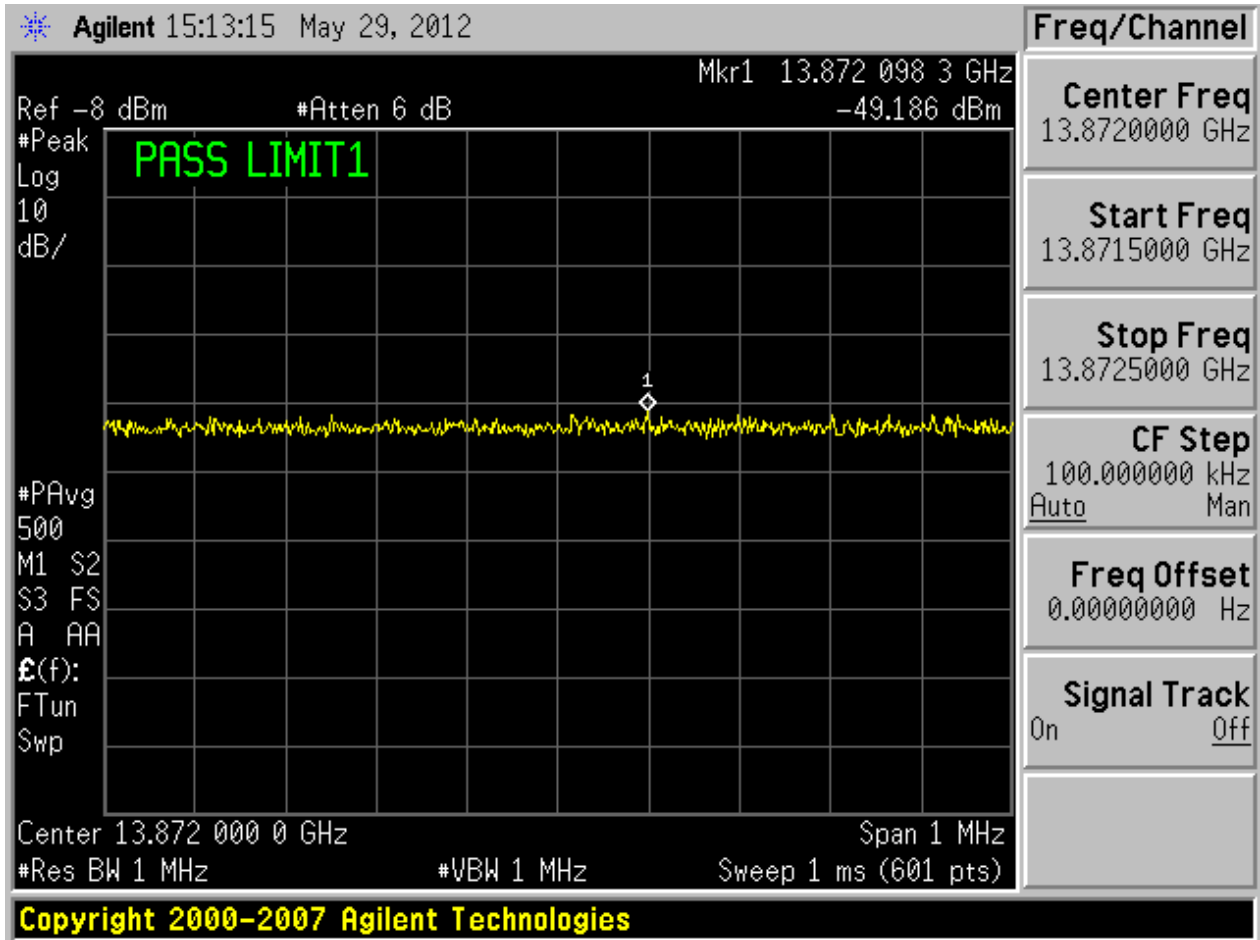


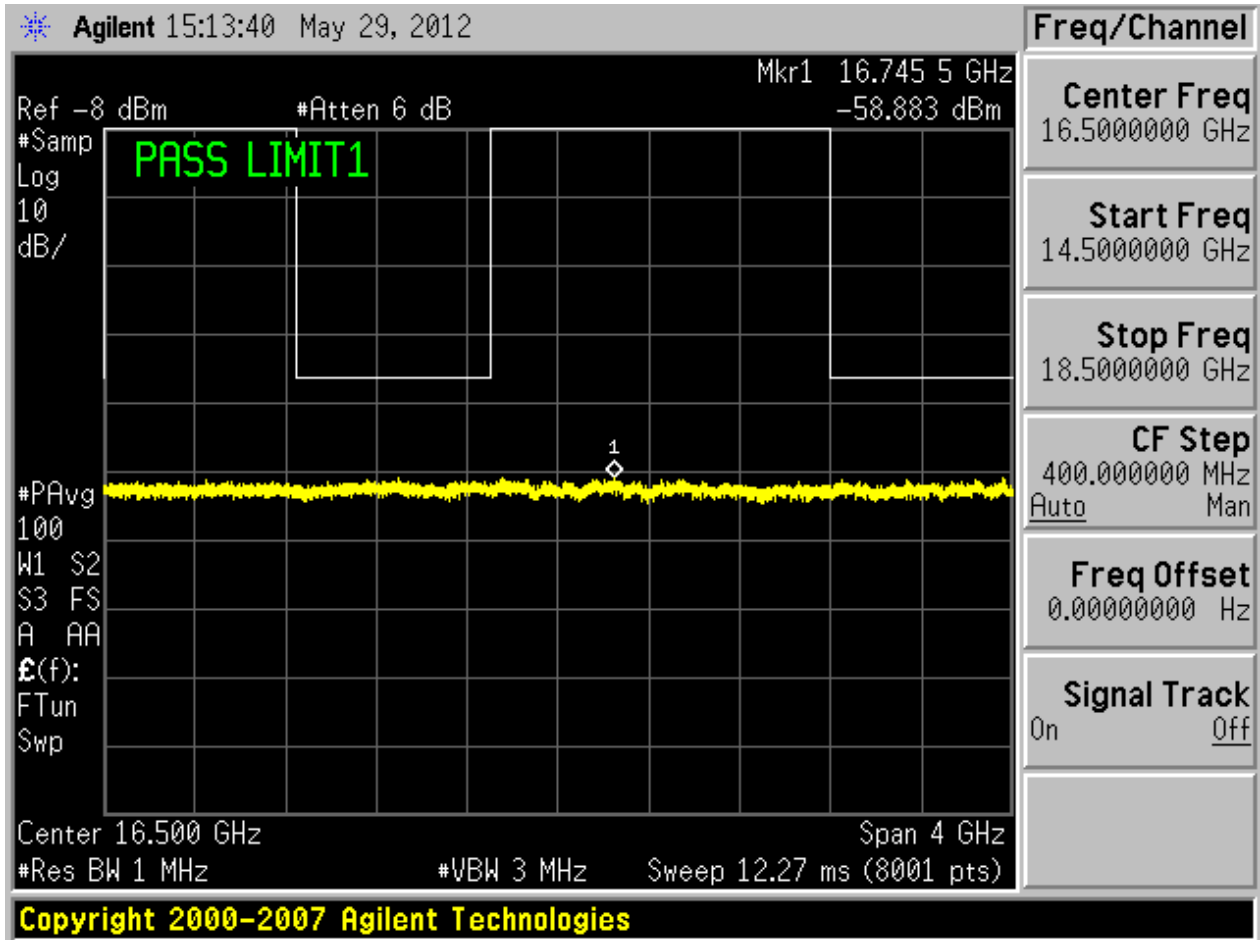


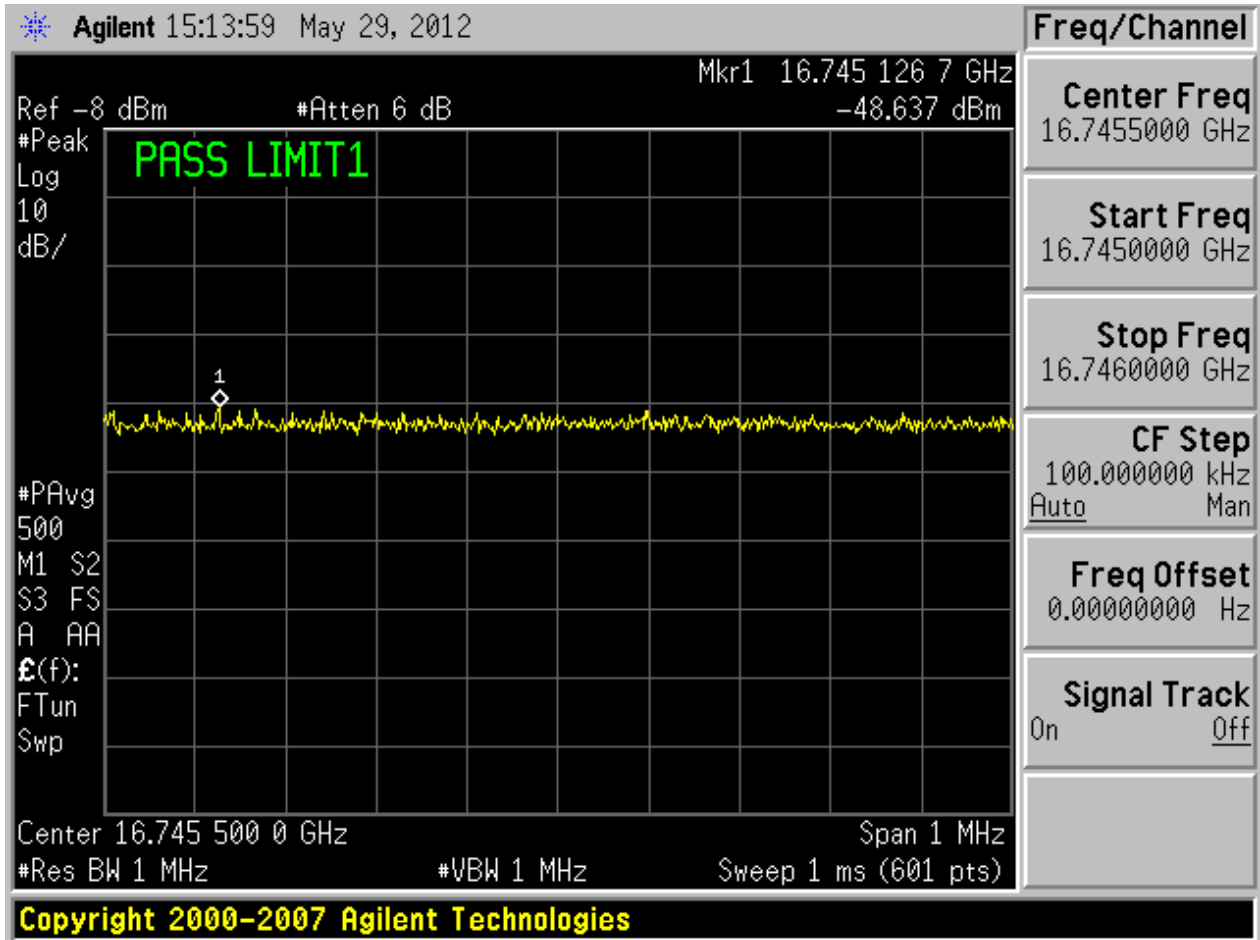


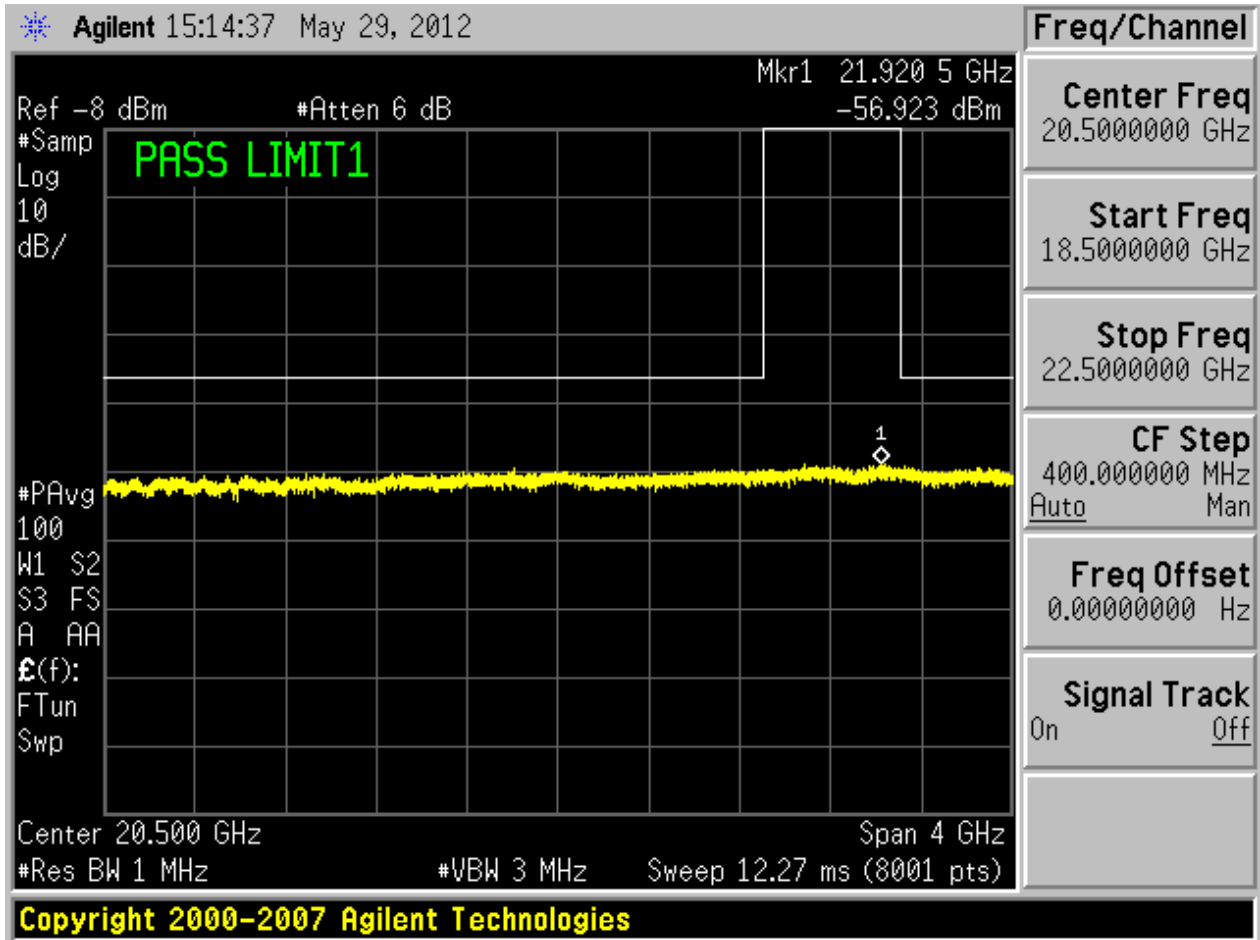


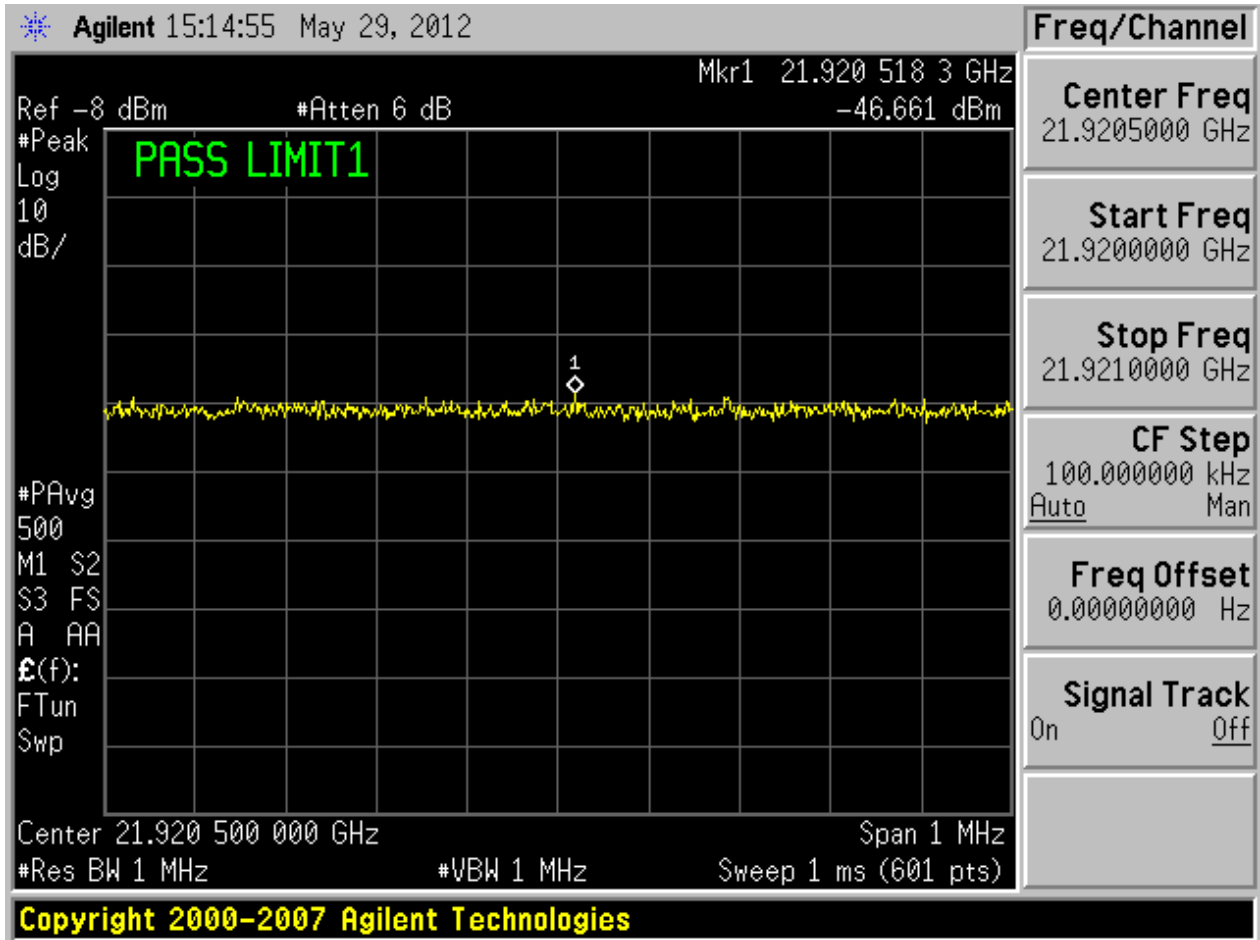


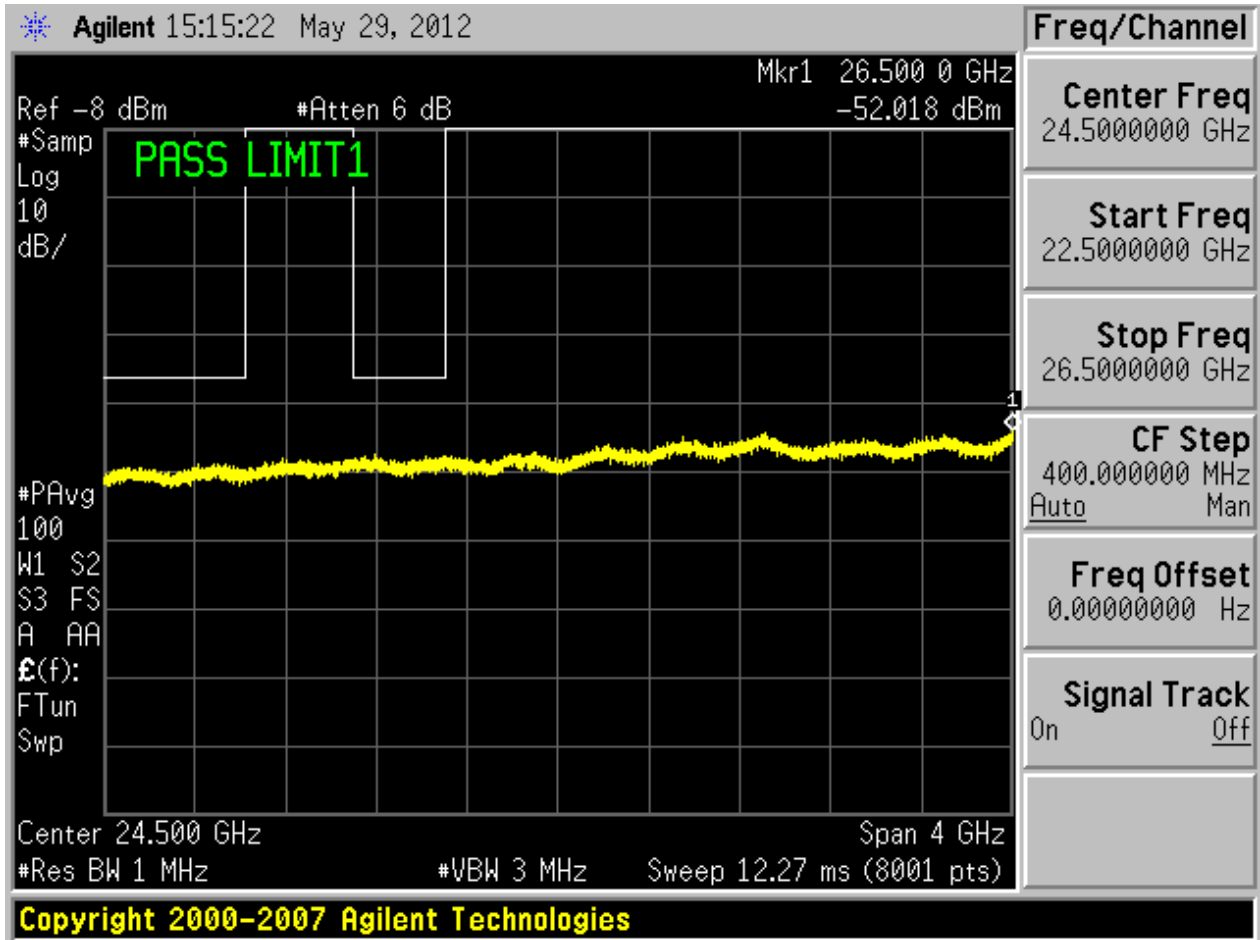


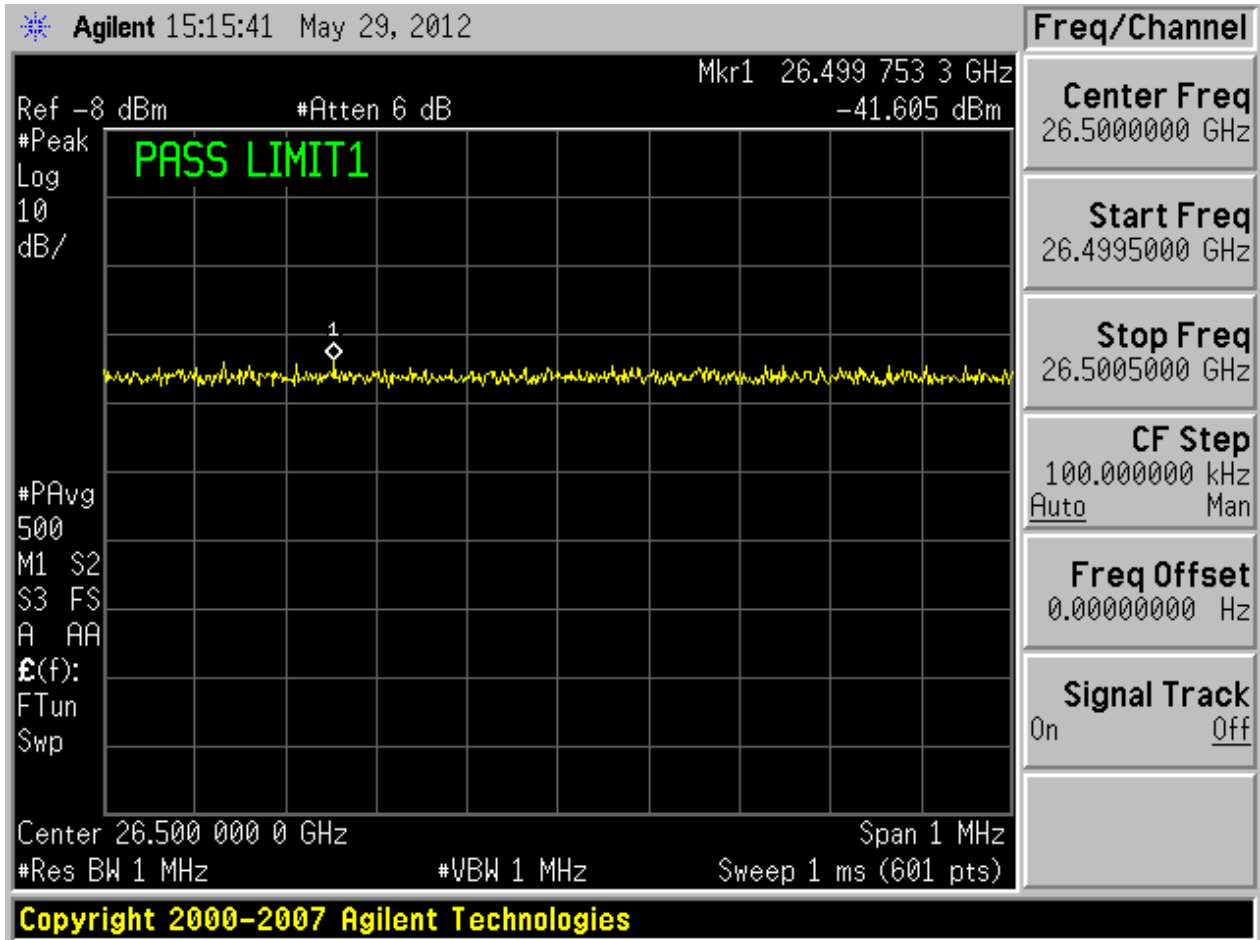




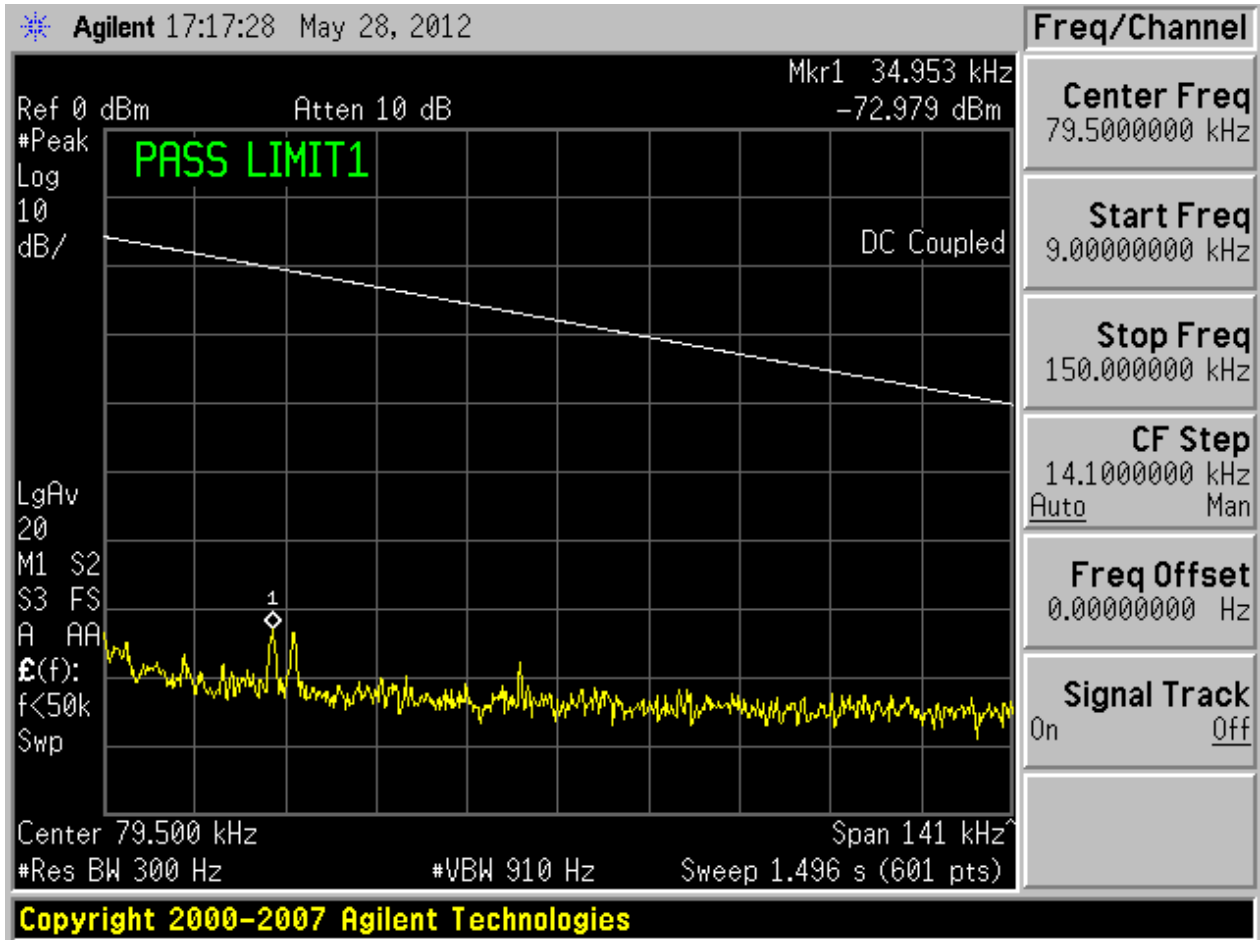


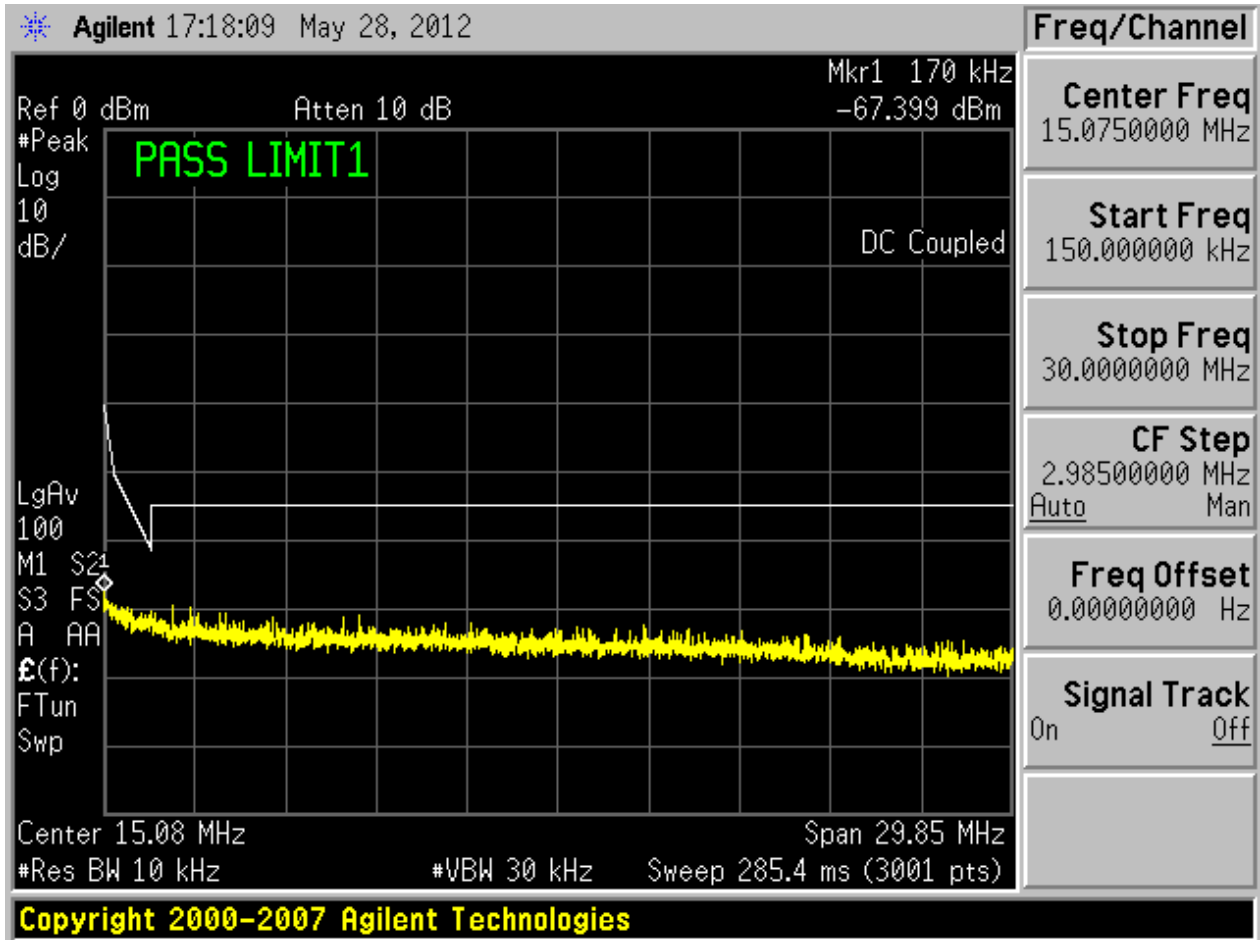


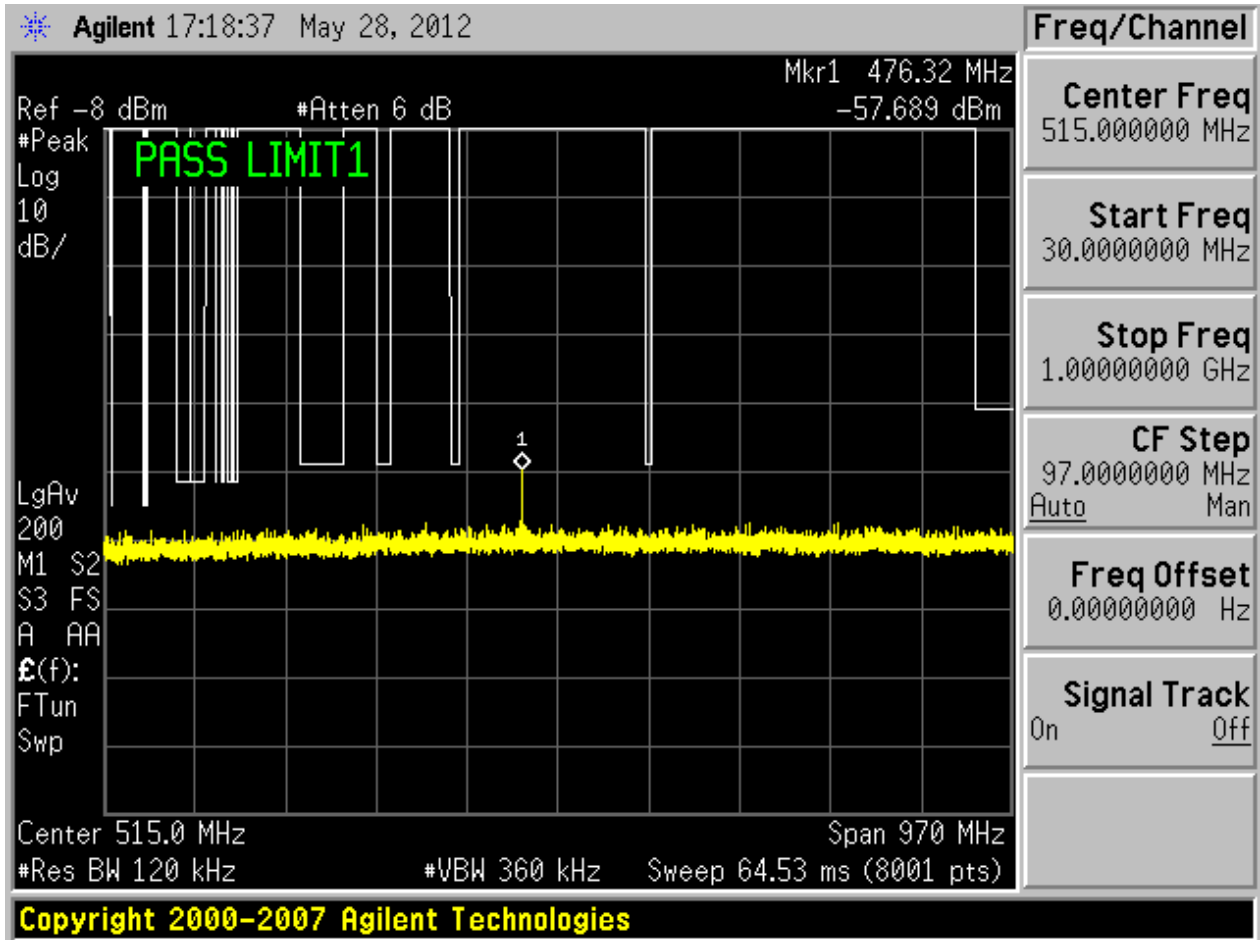


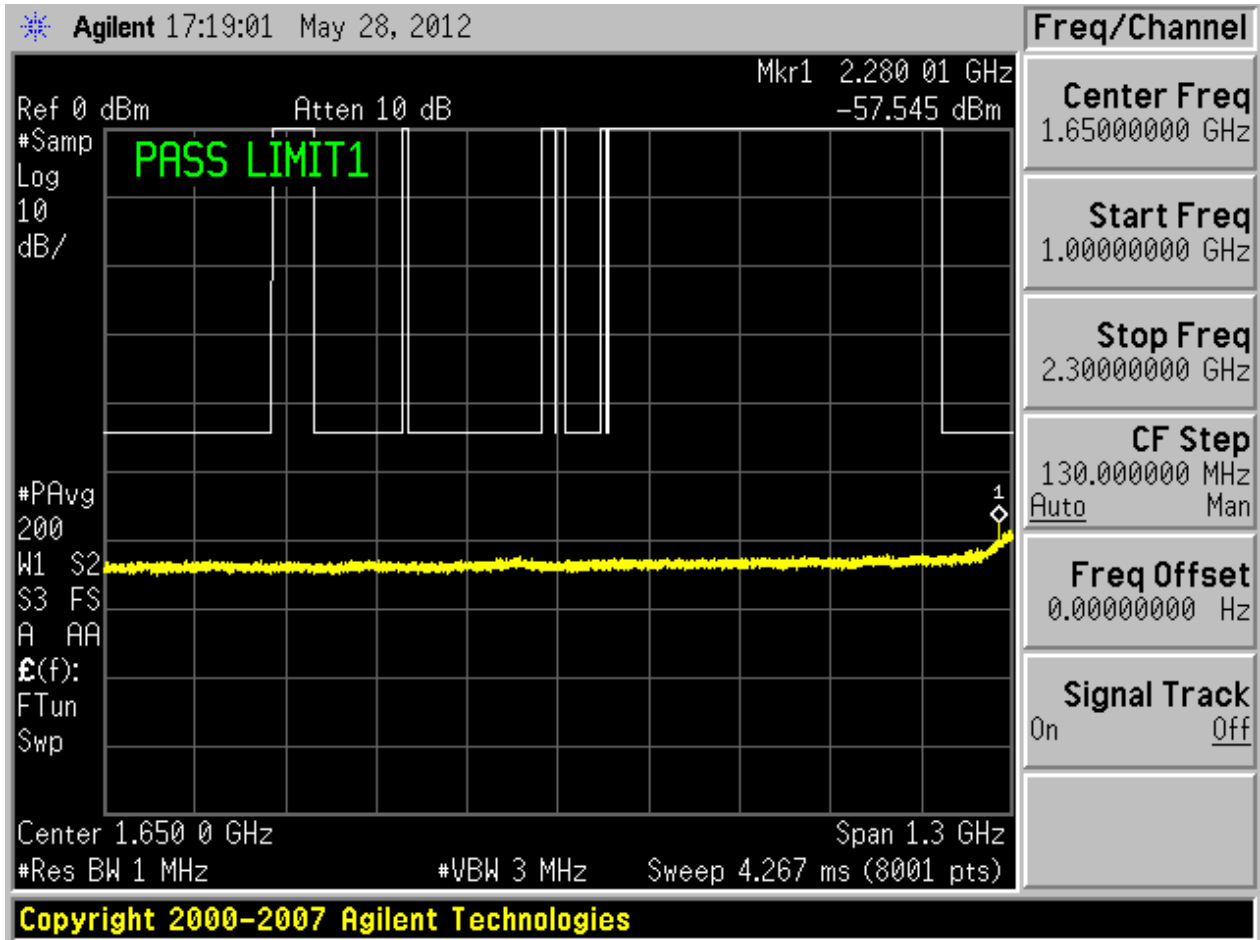


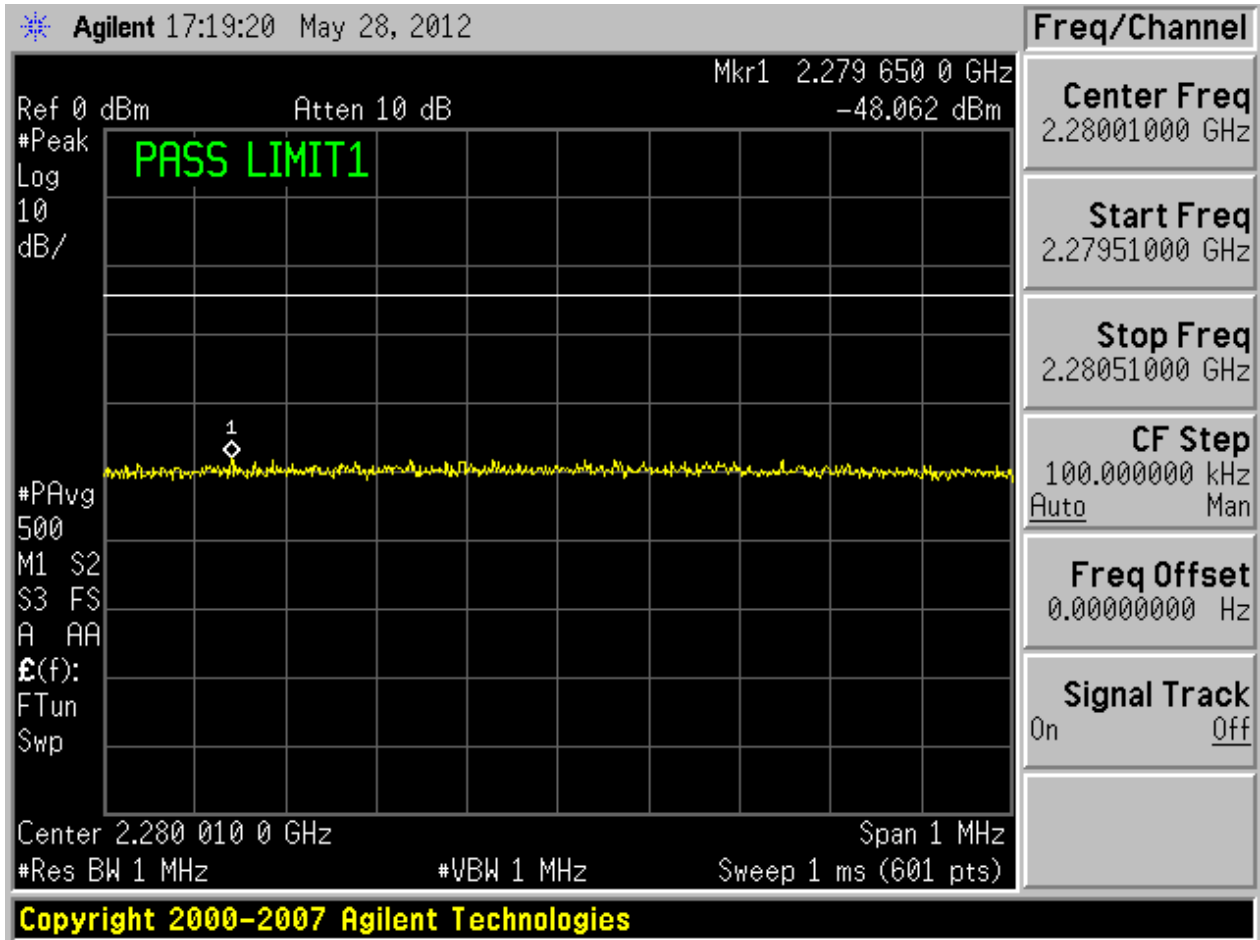
2.4 11B/1_M@2

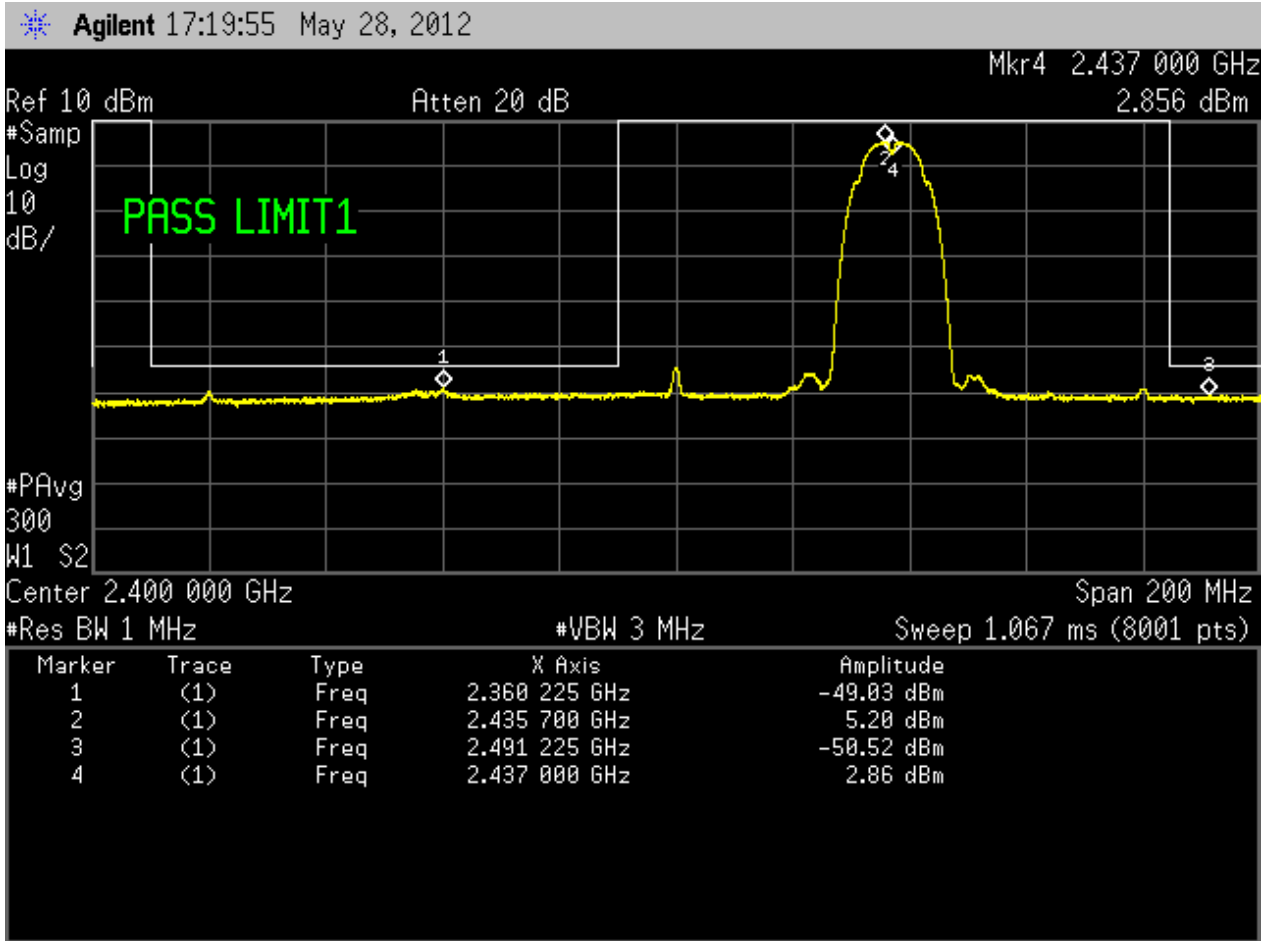


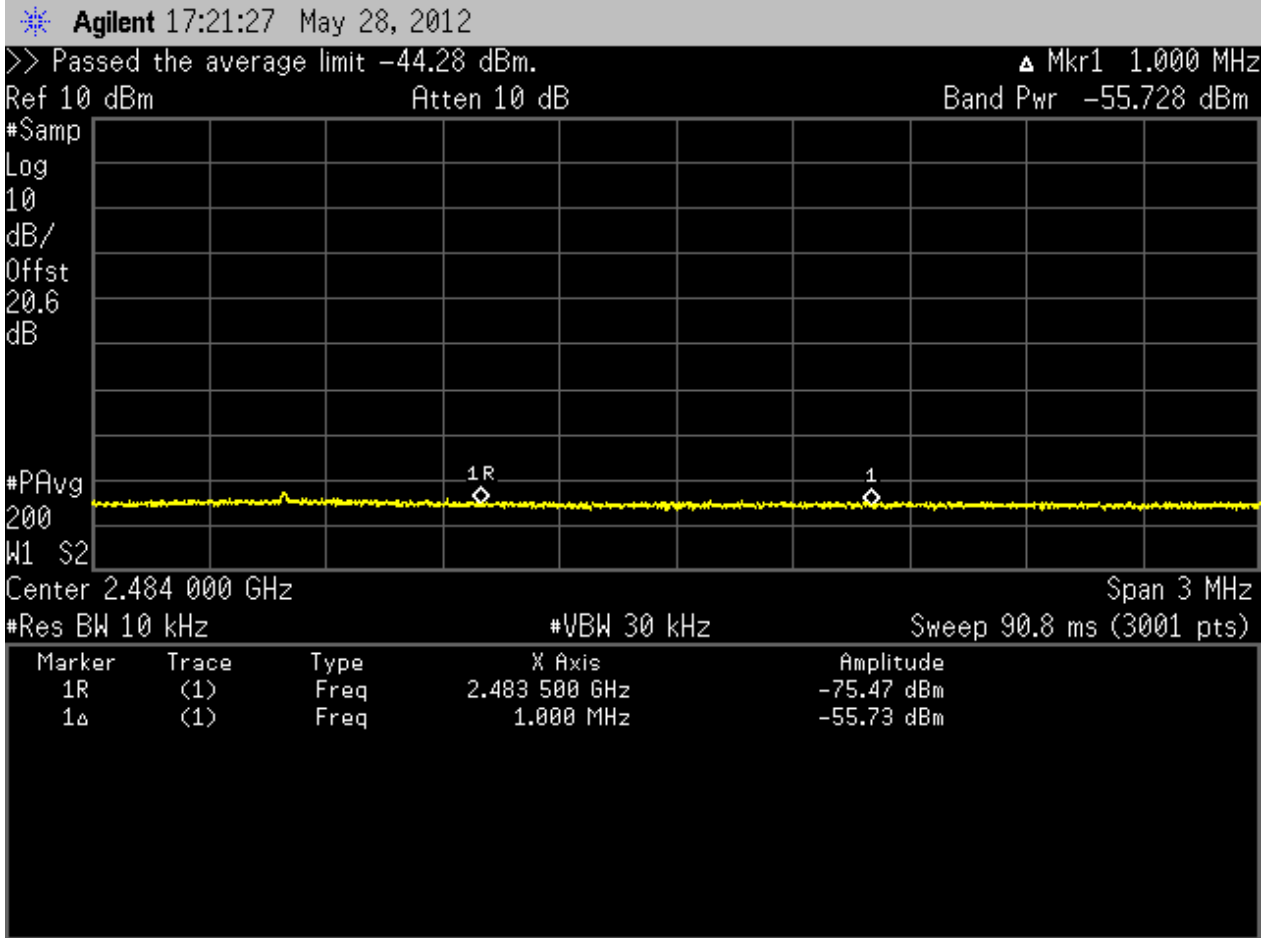


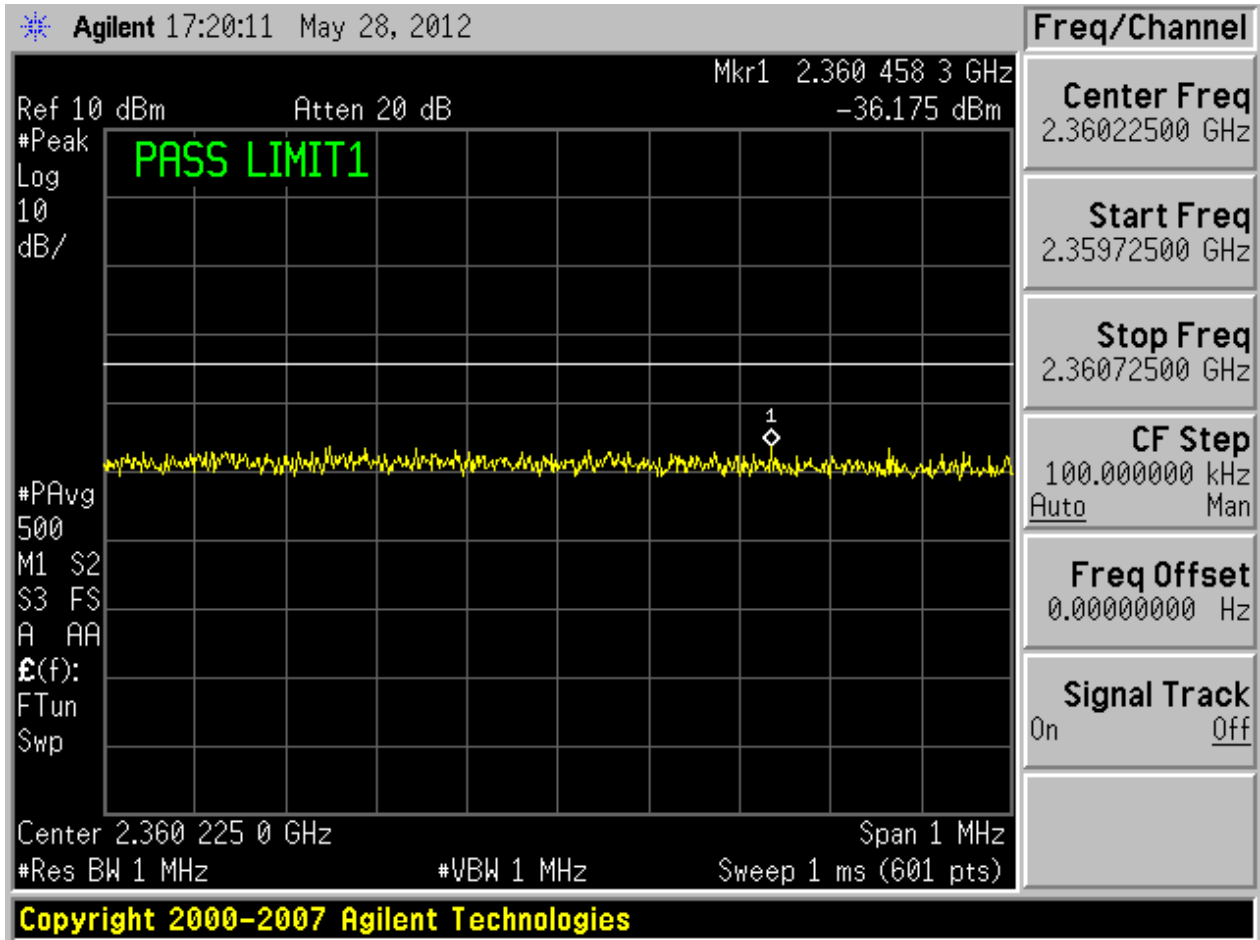


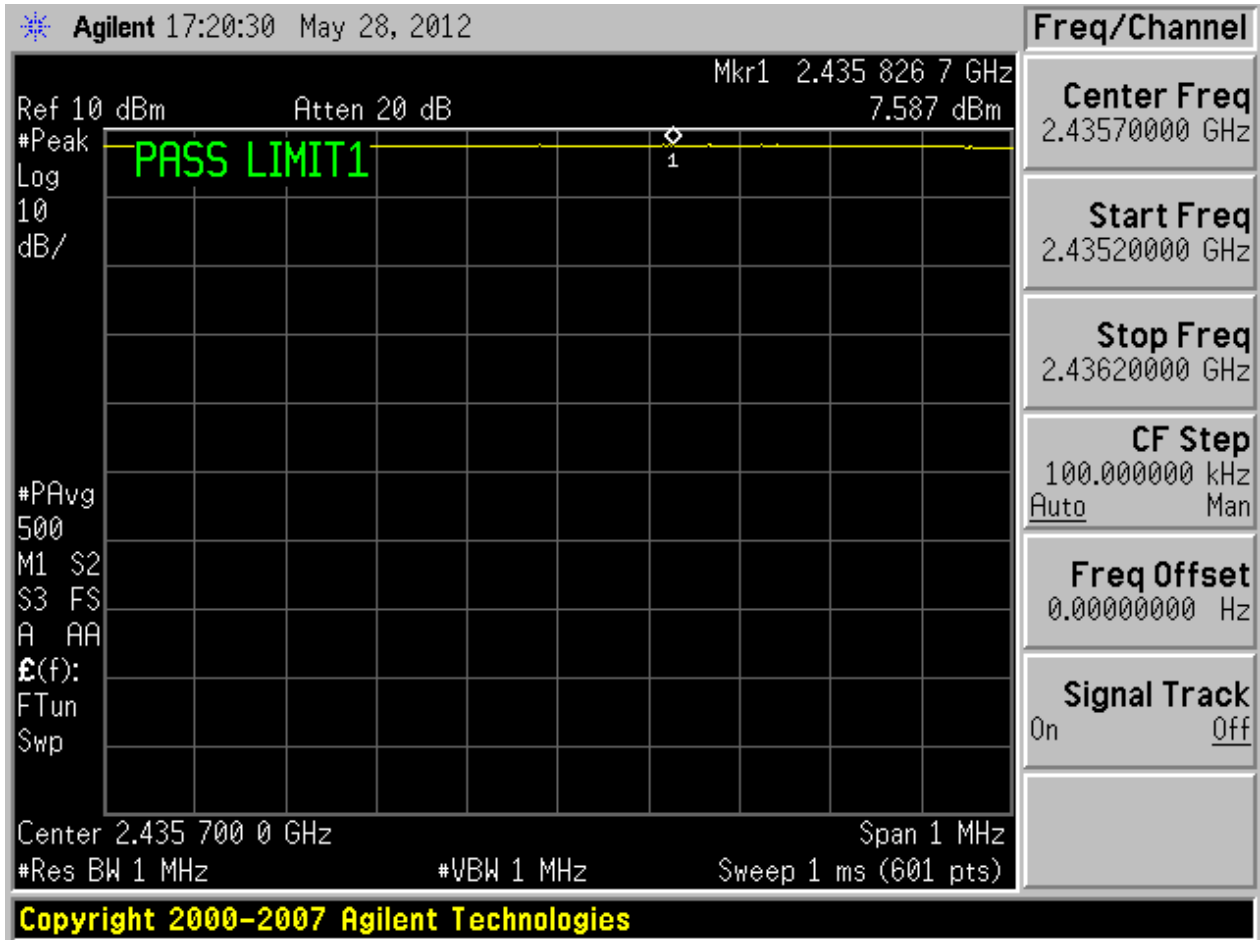


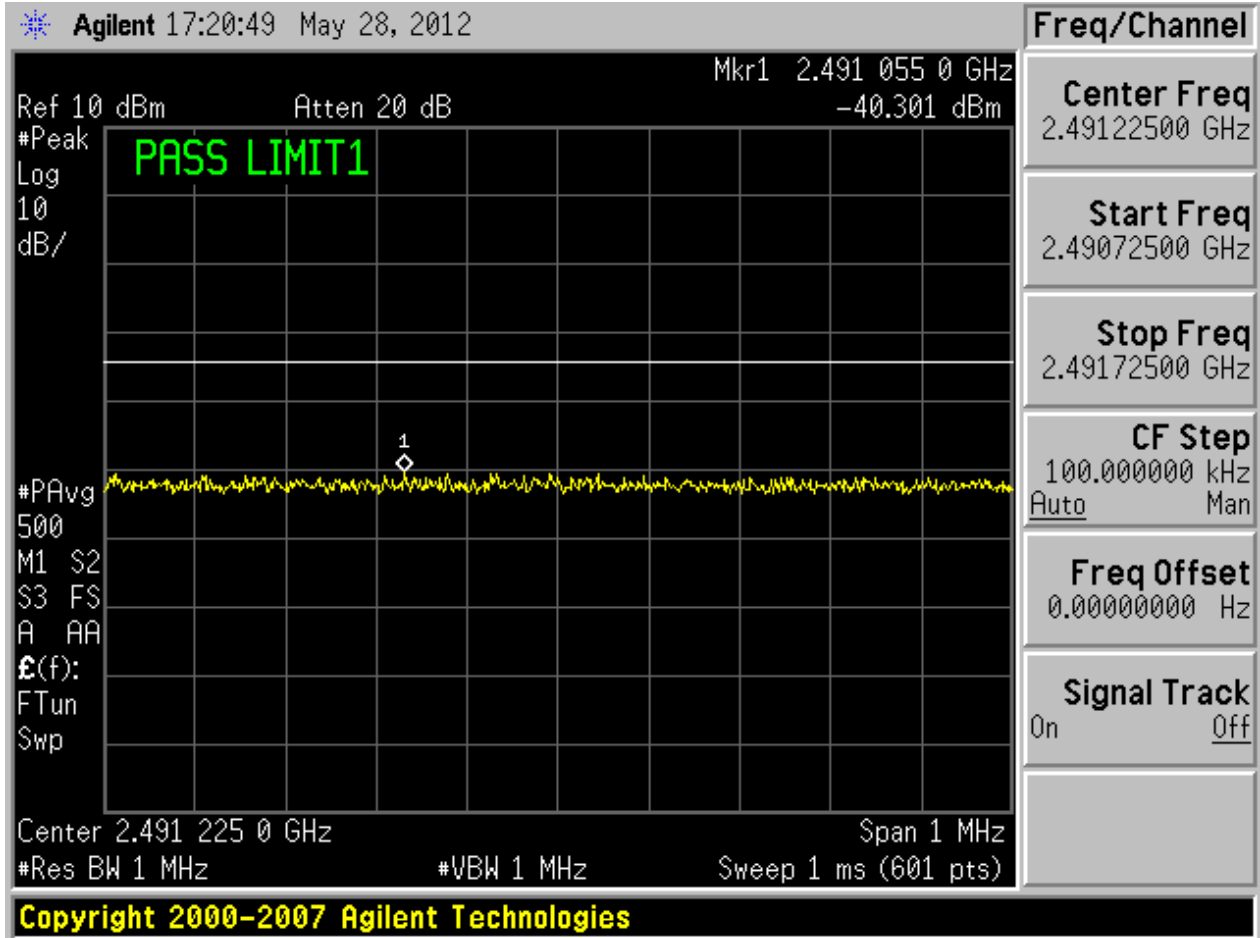


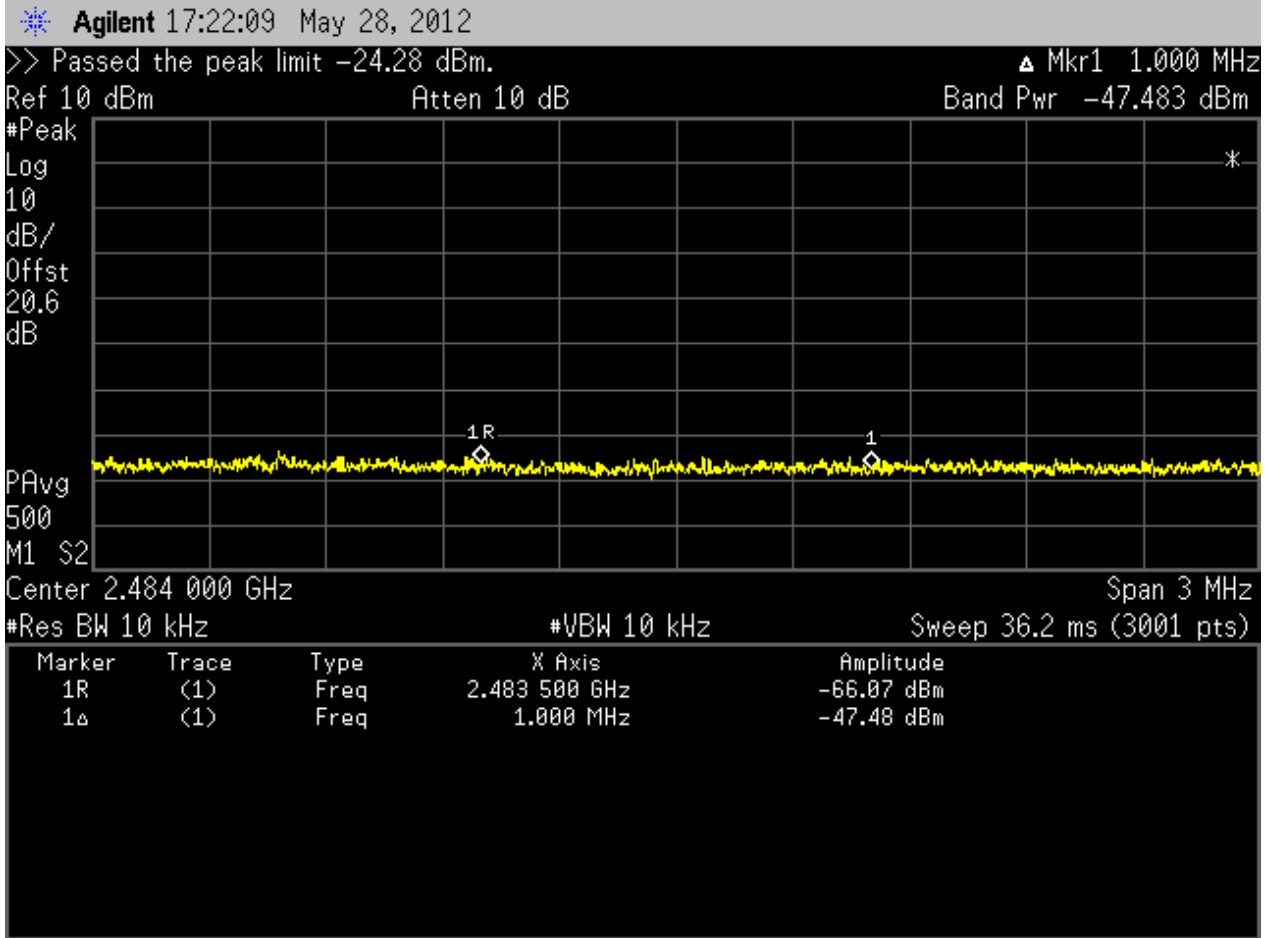


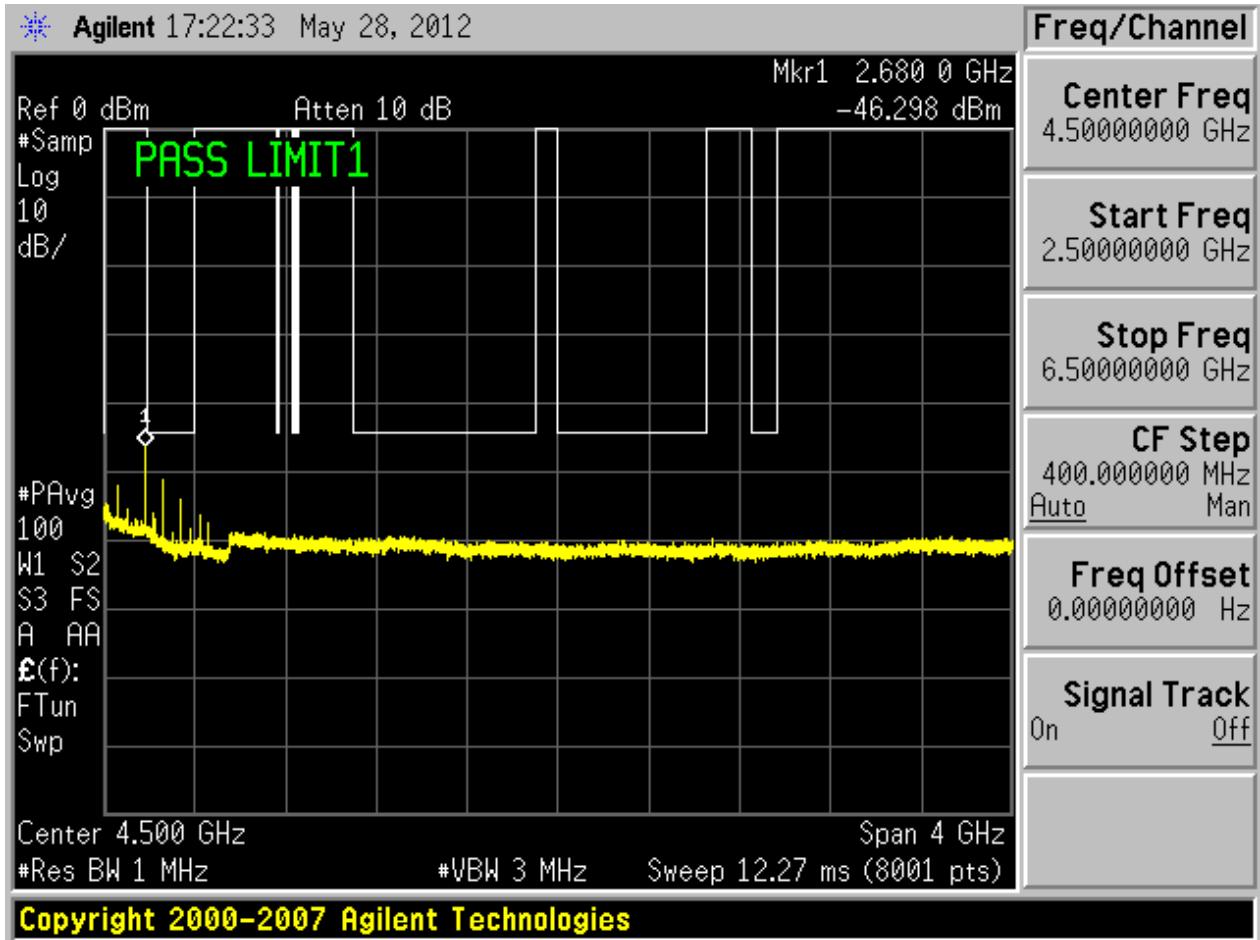


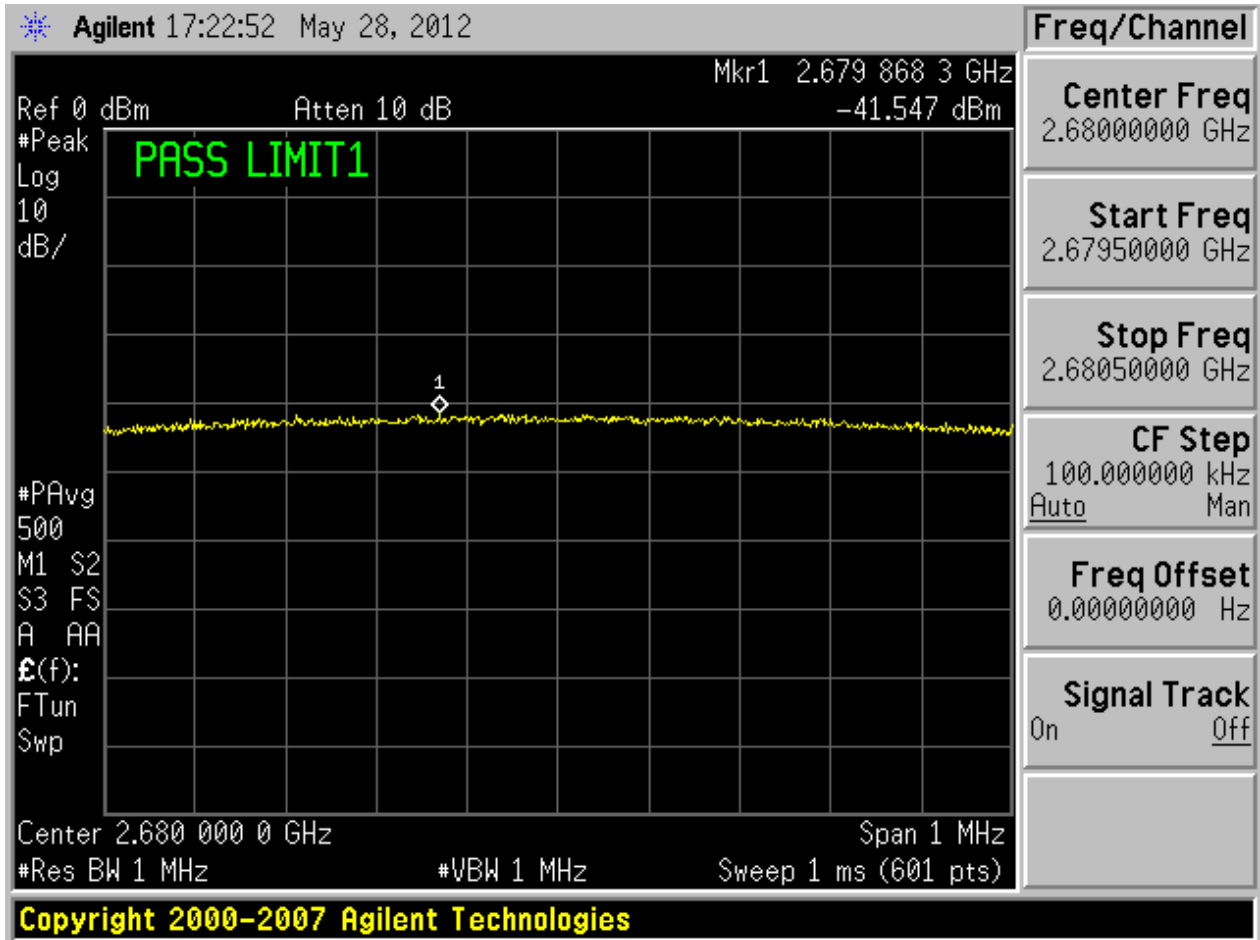


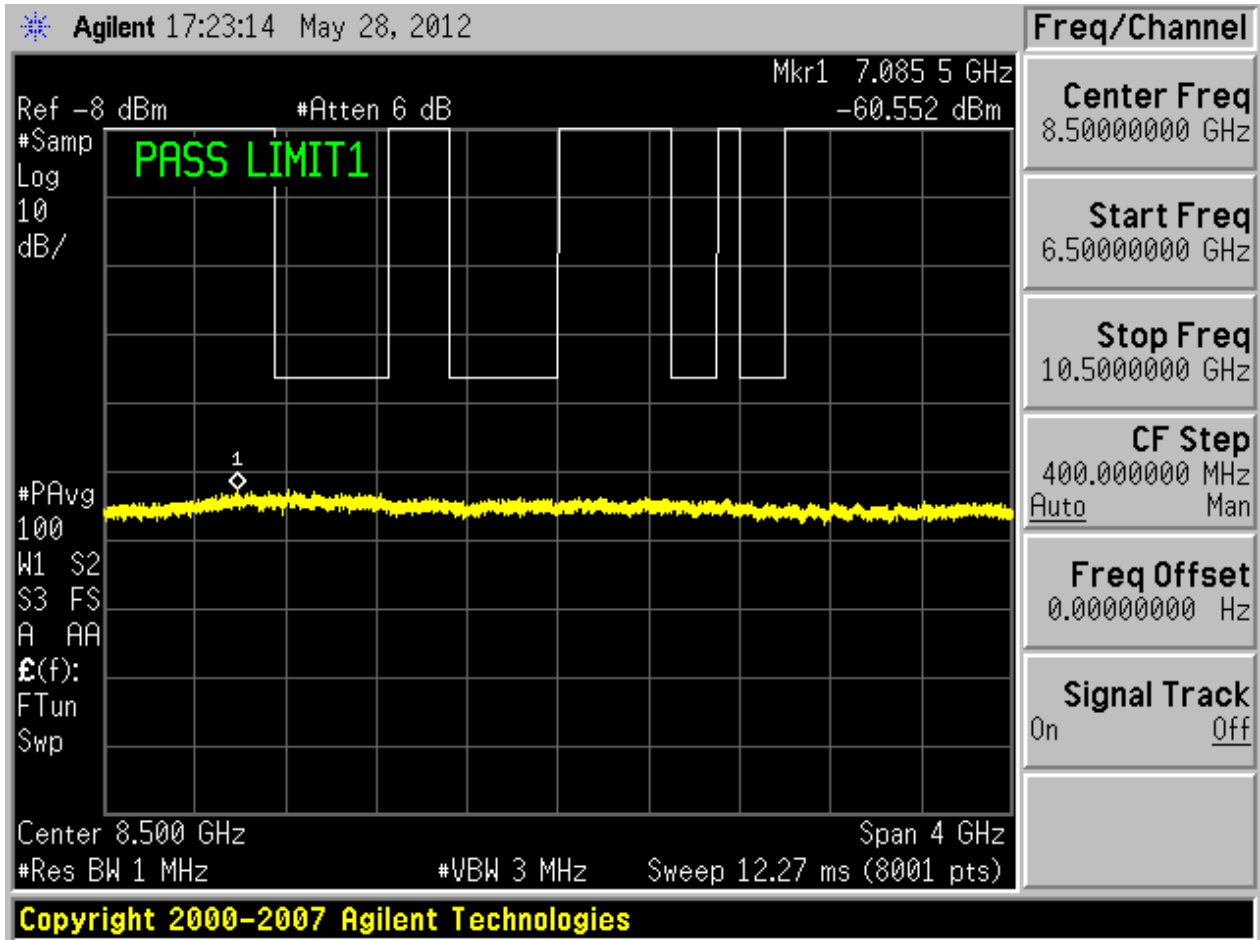


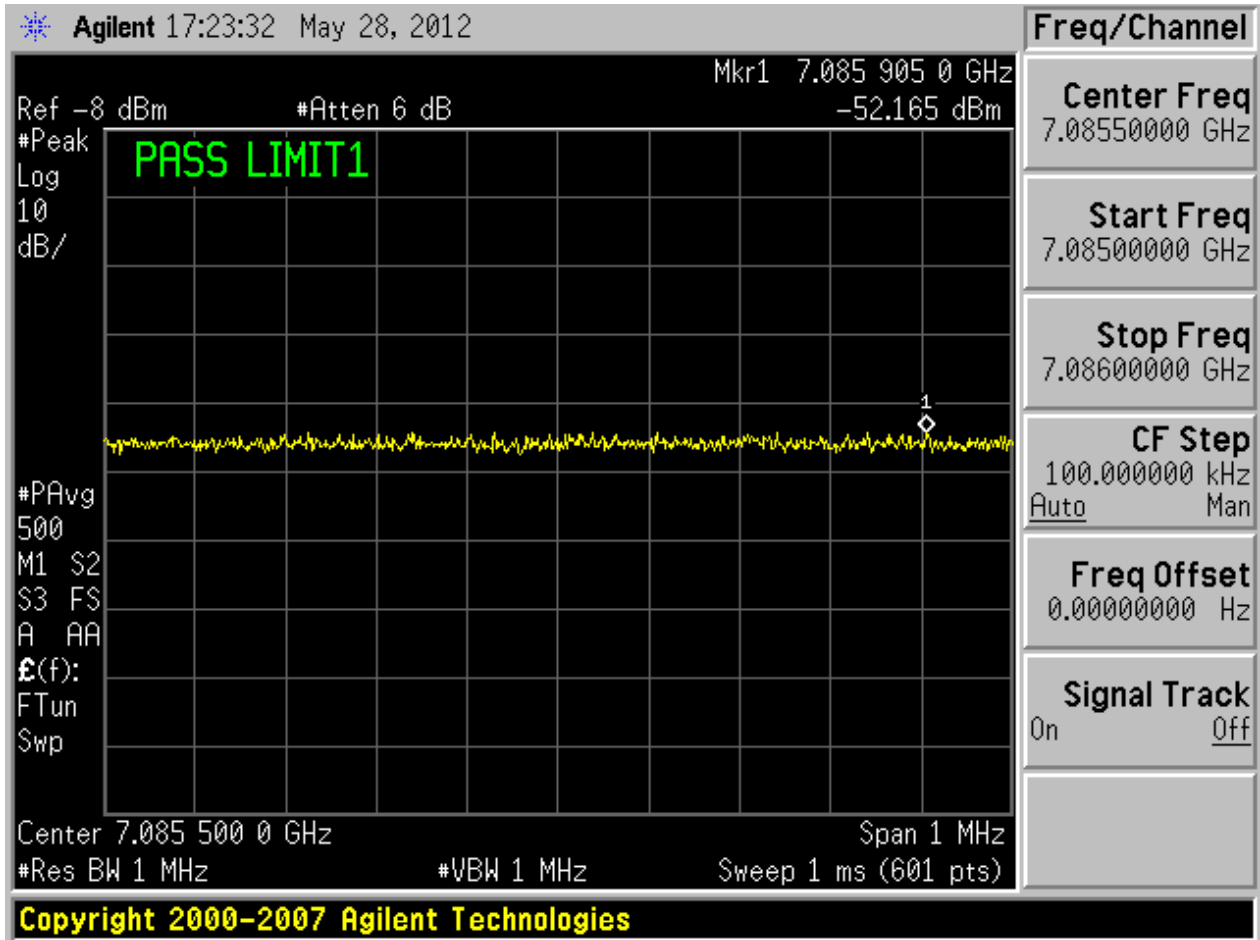


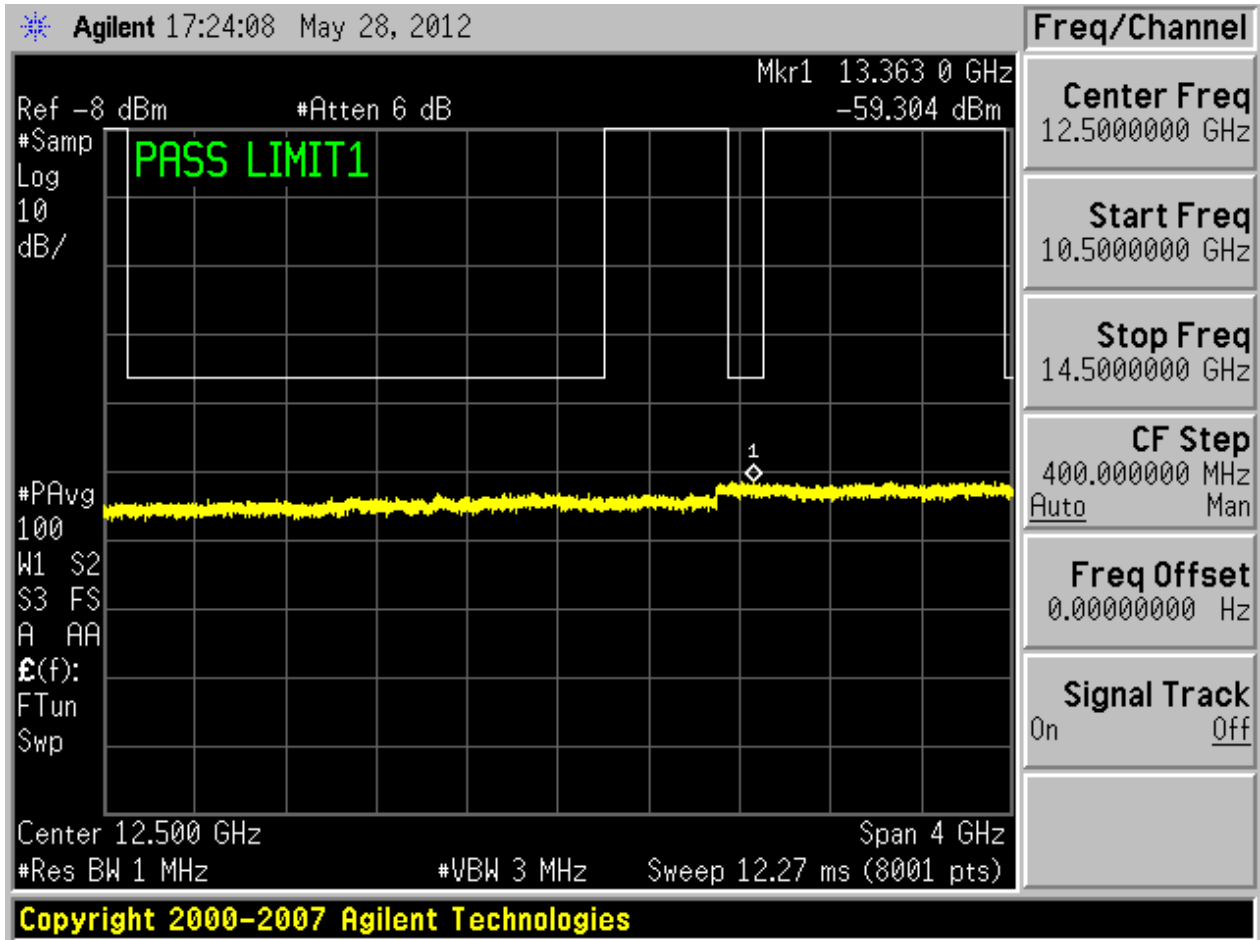


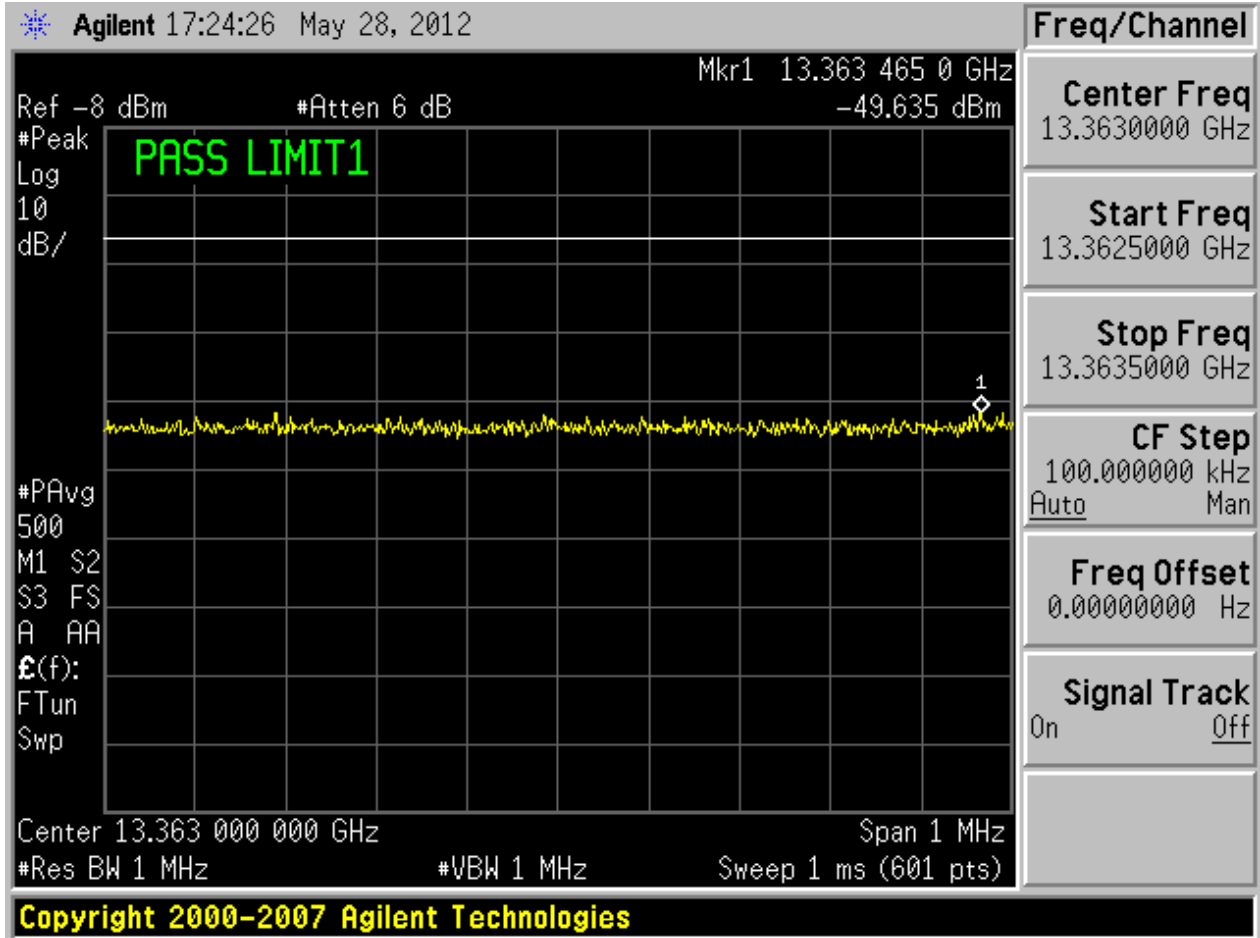


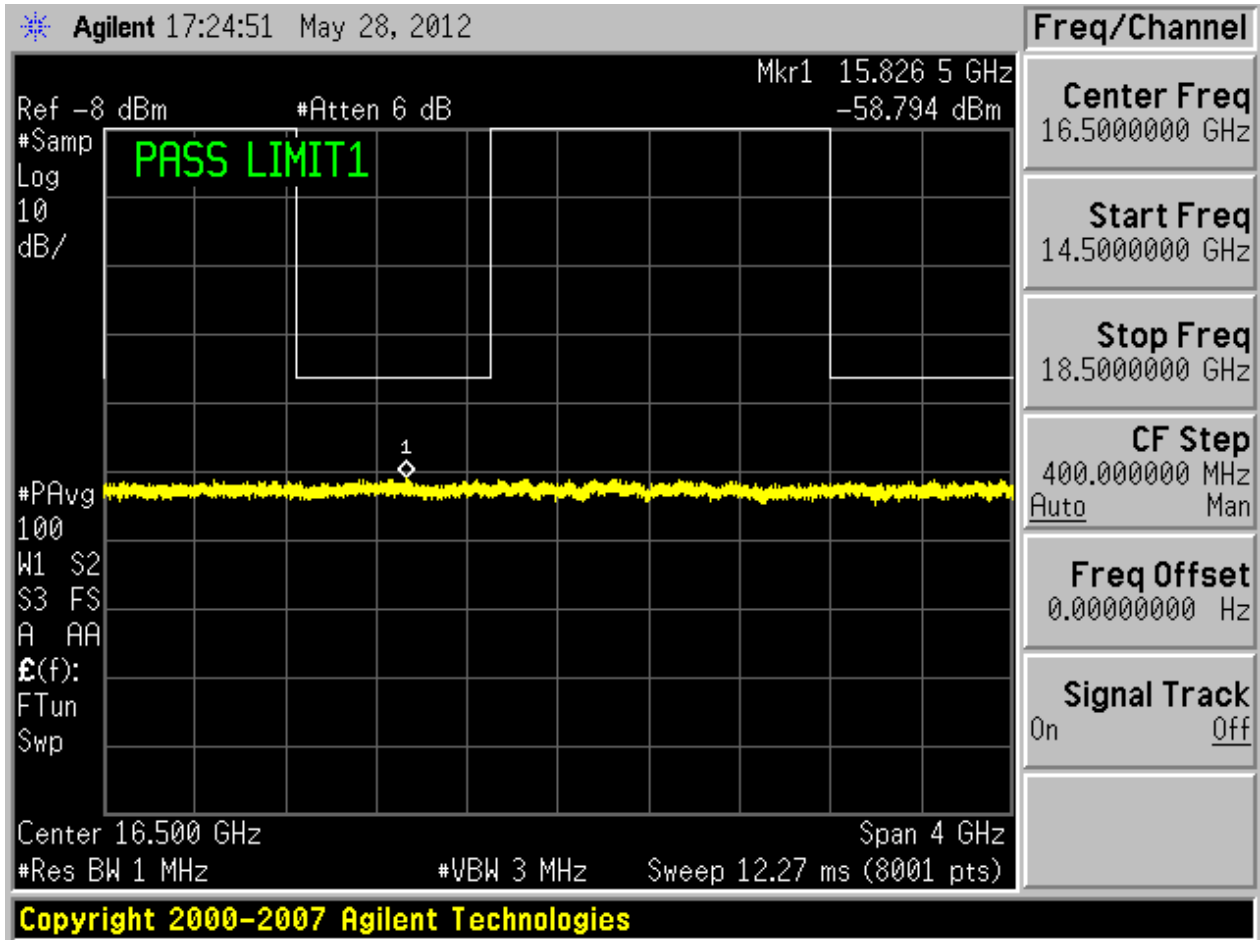


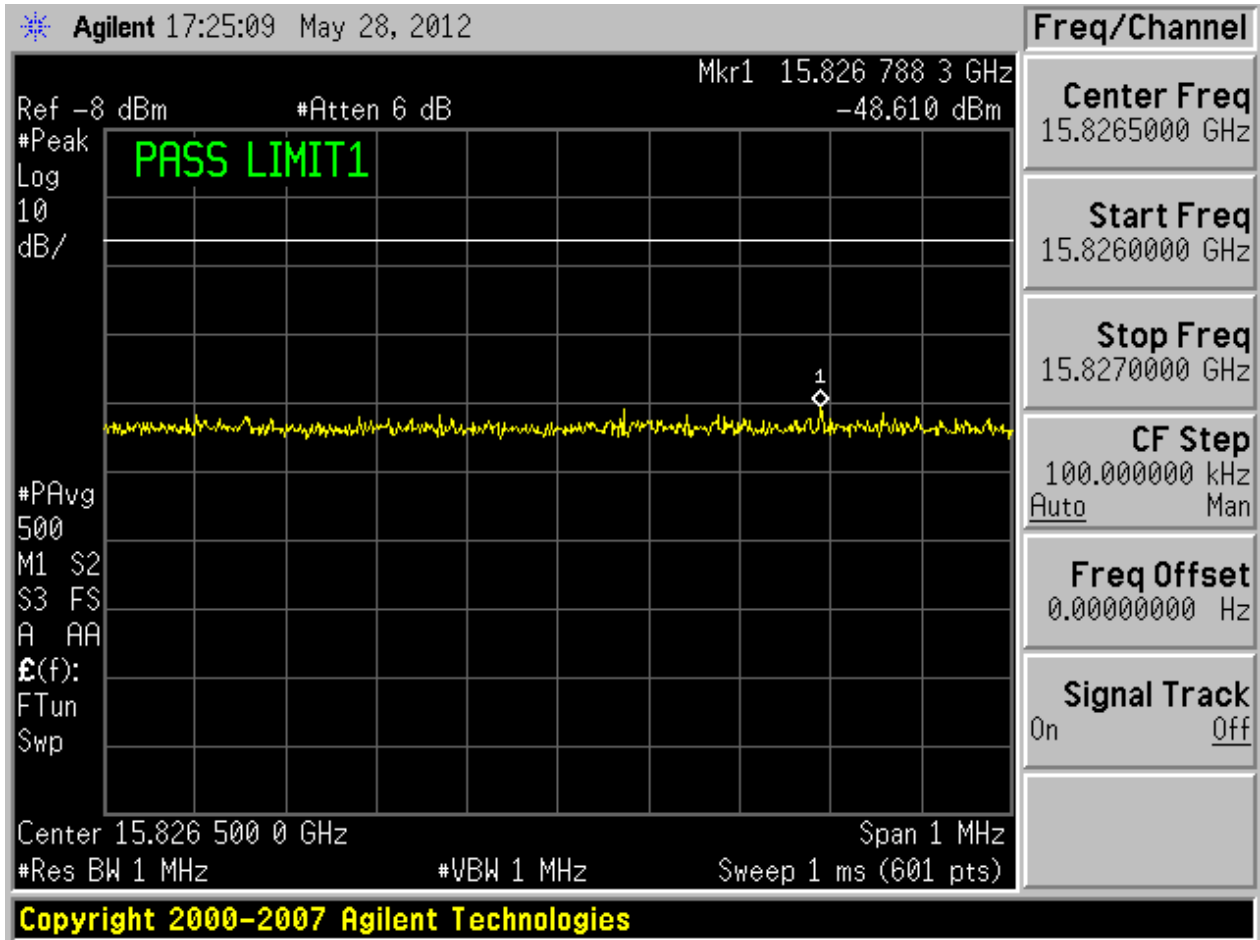


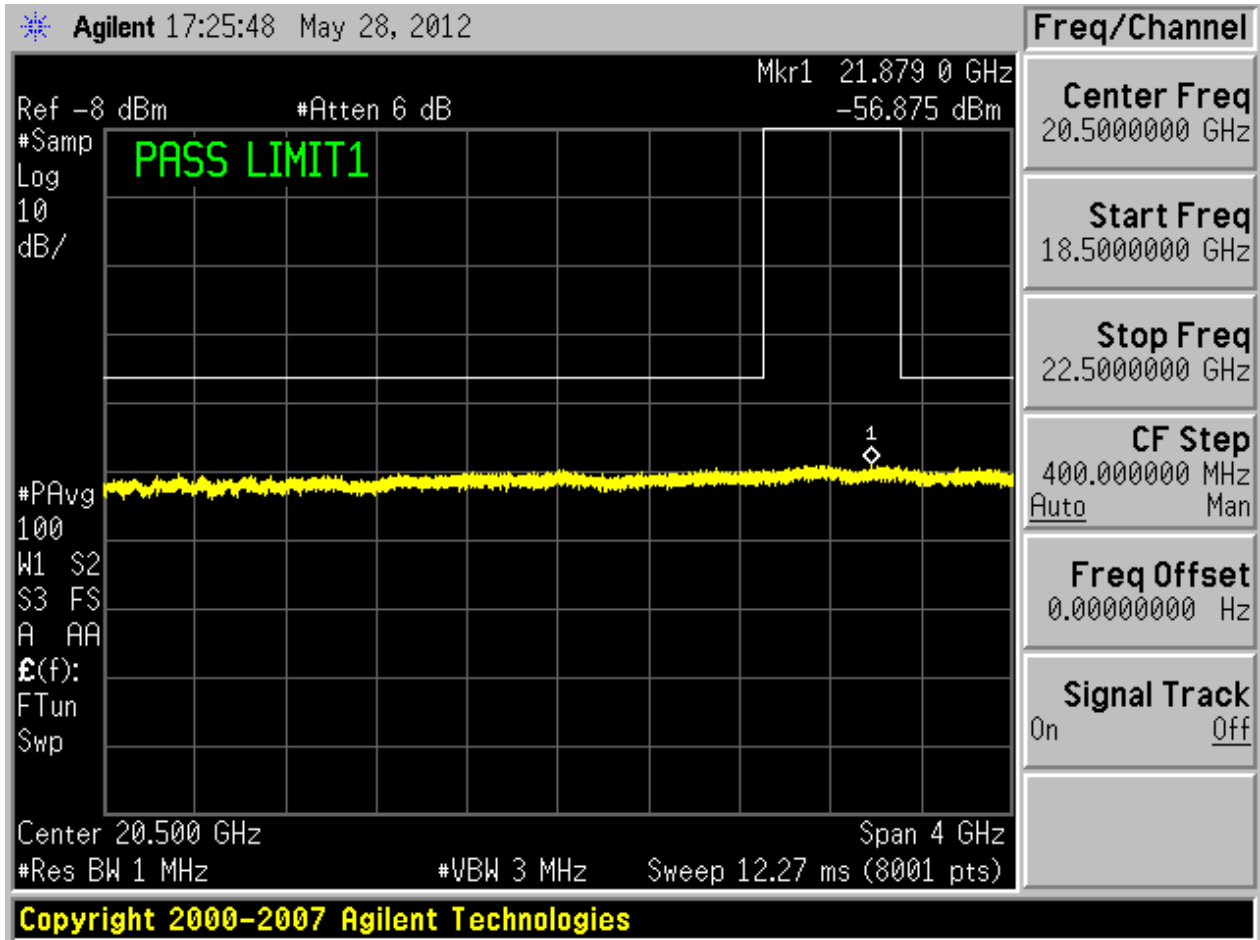


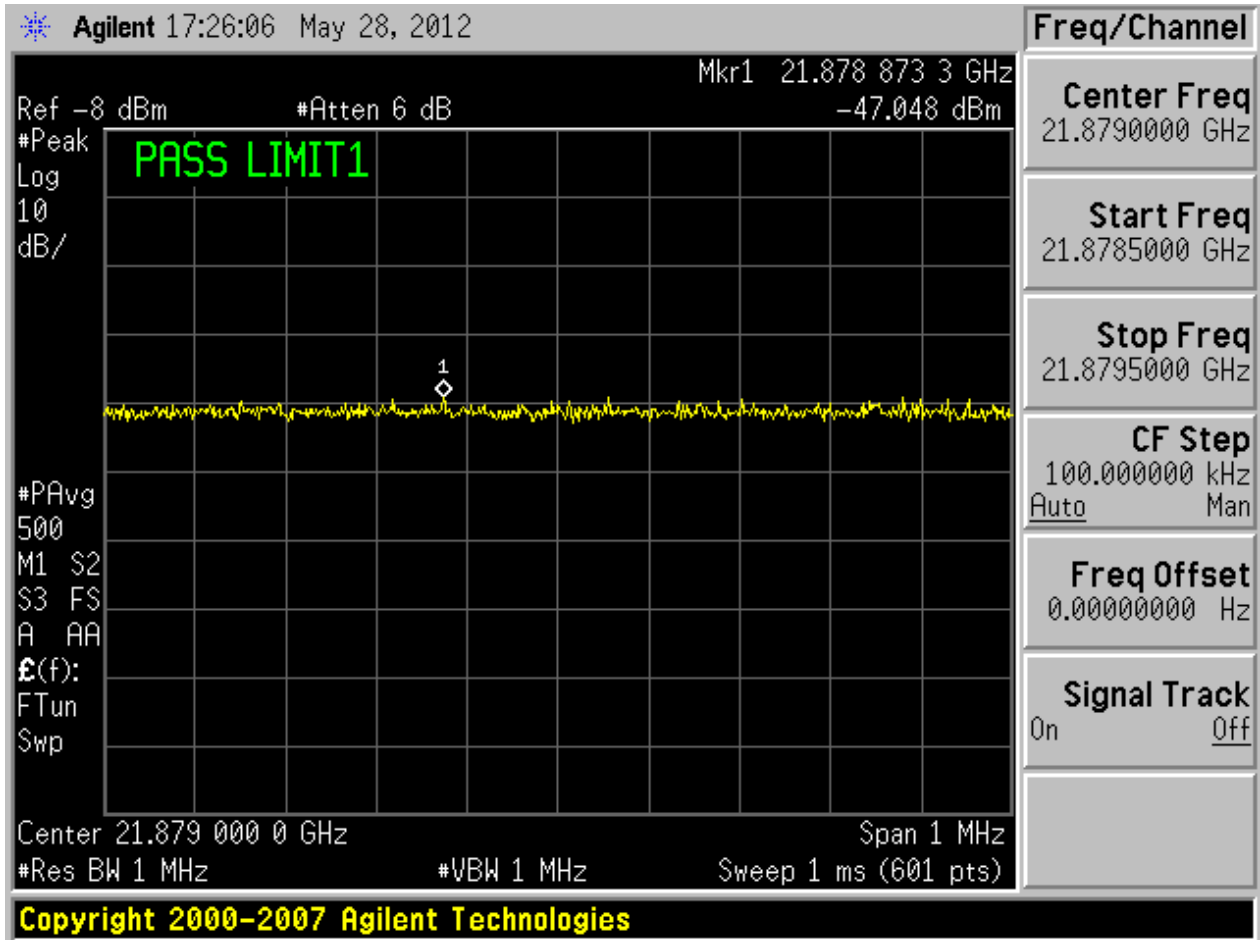


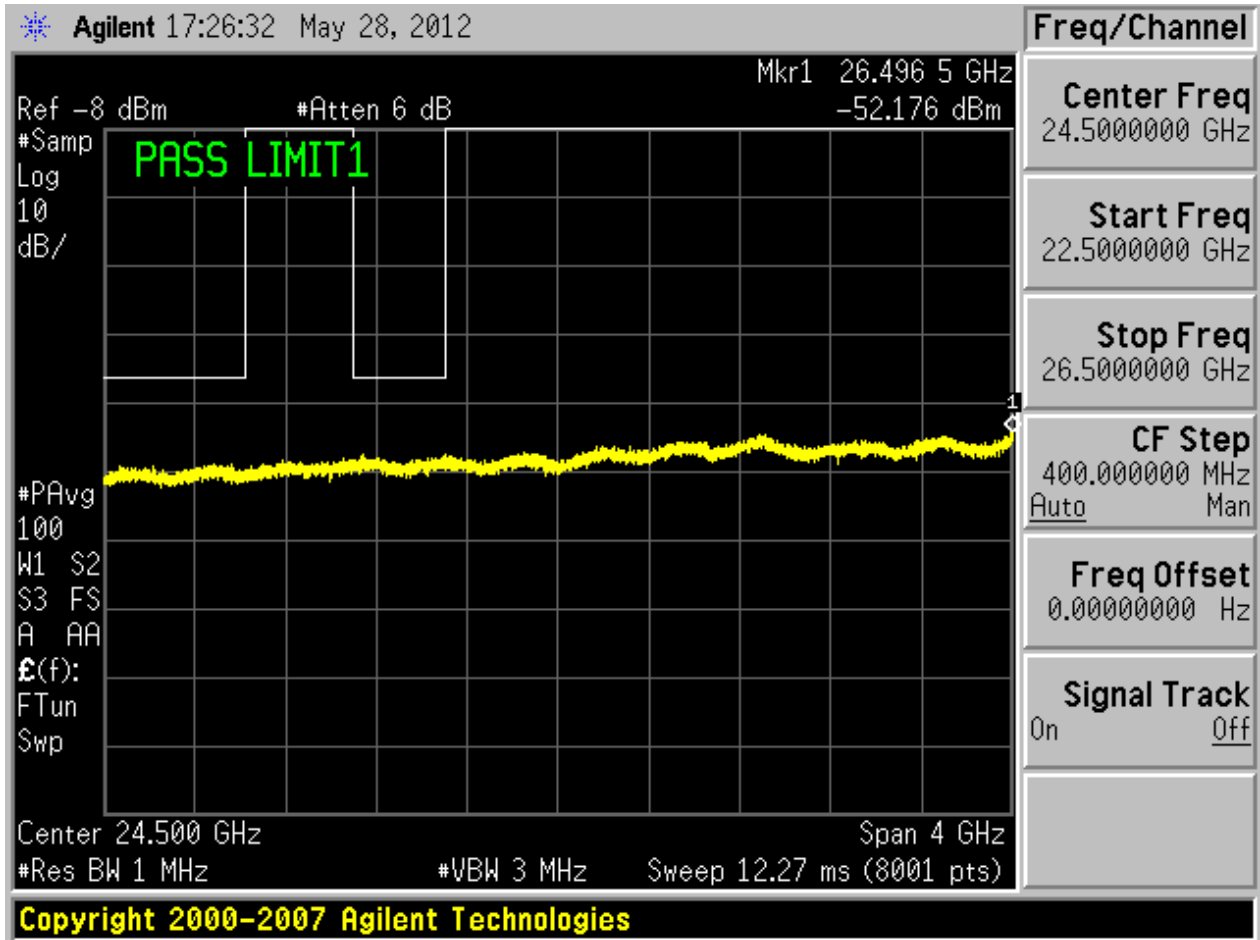


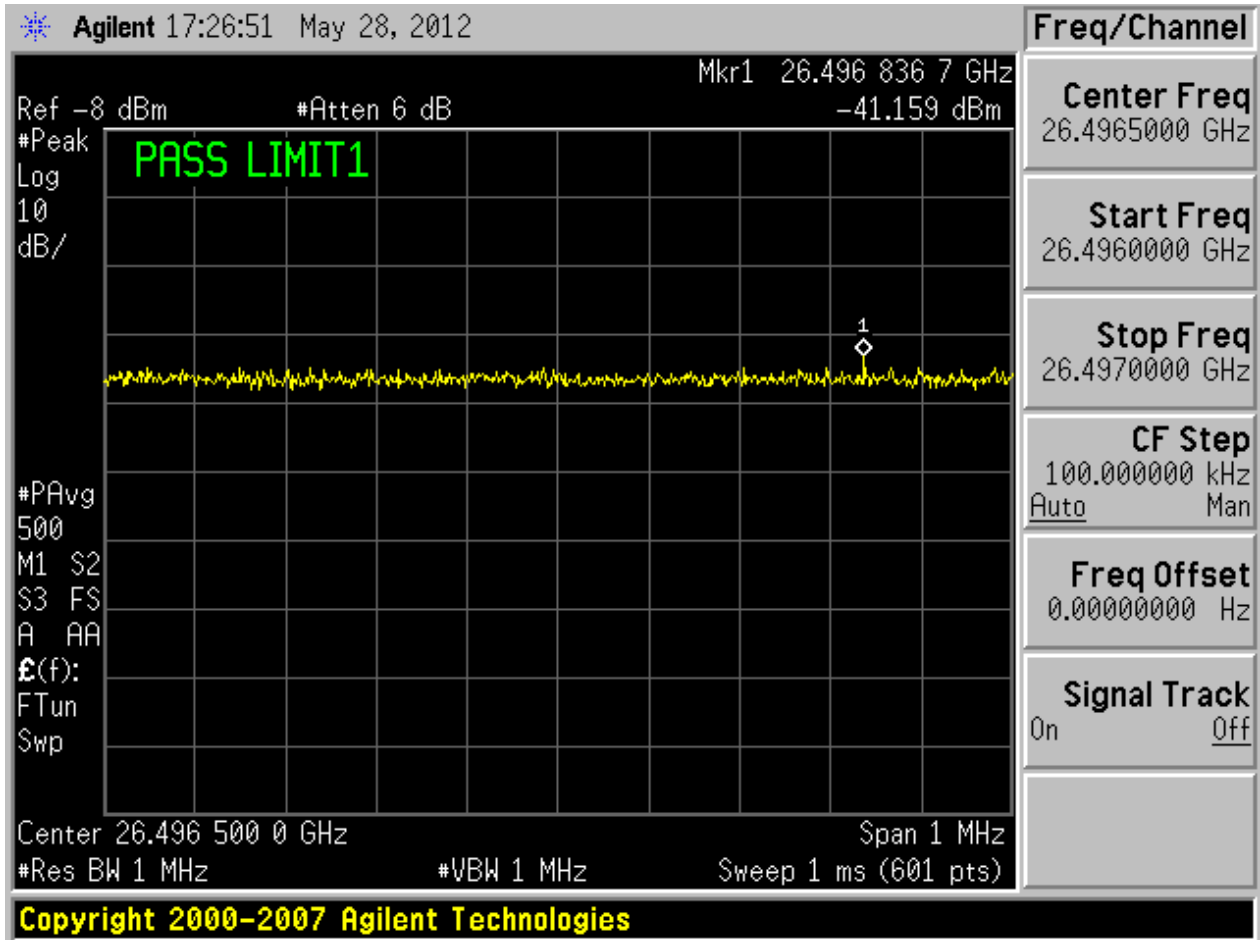




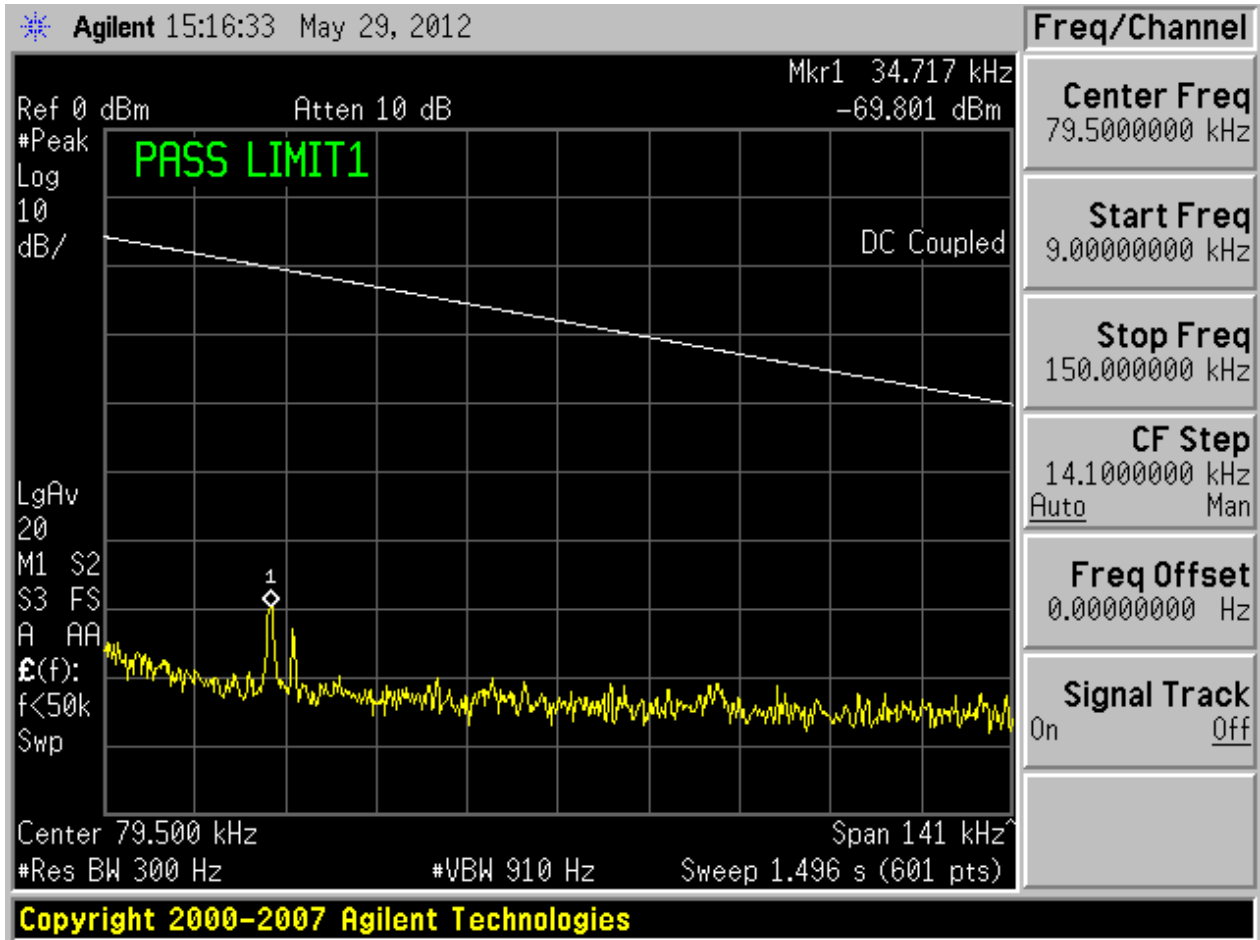


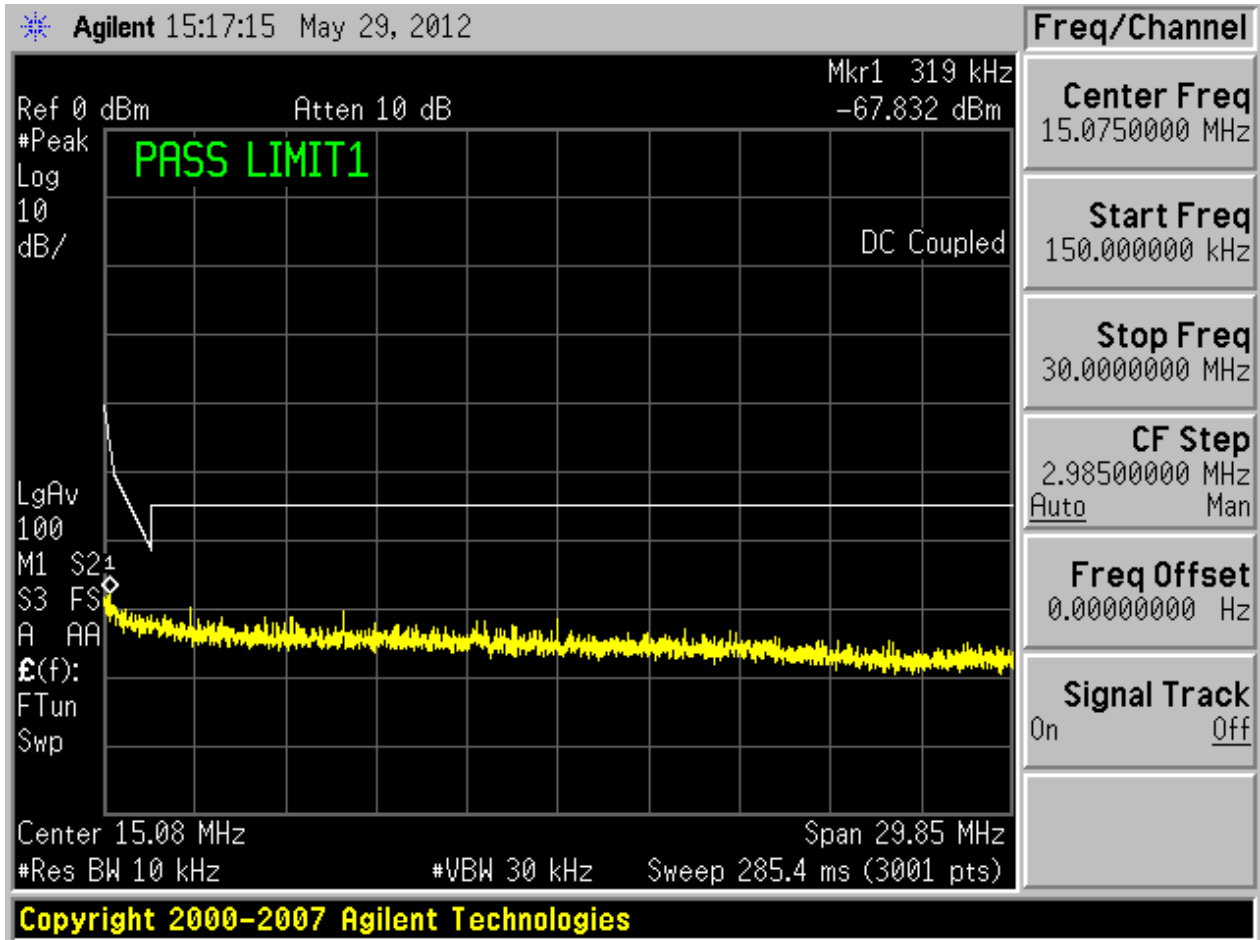


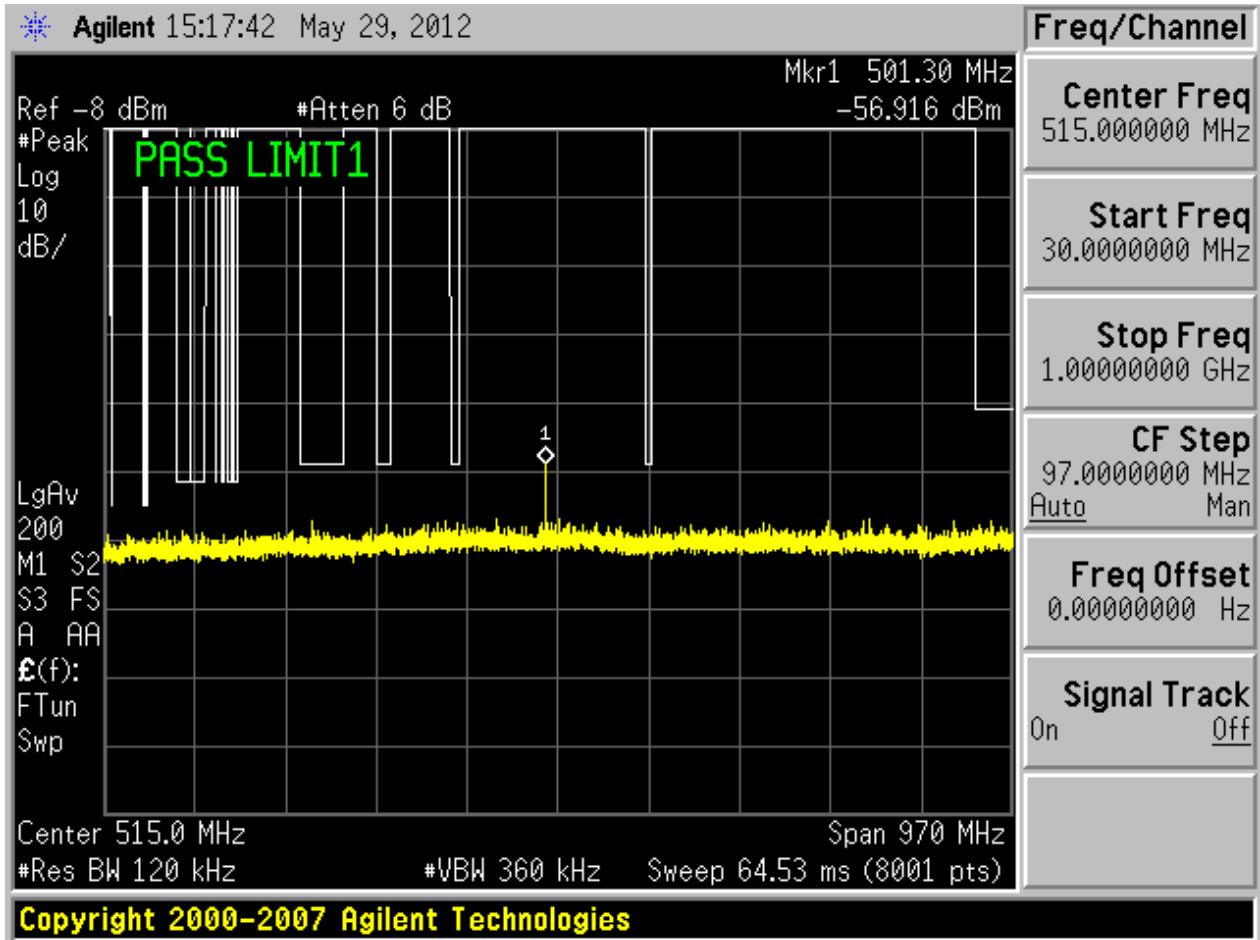


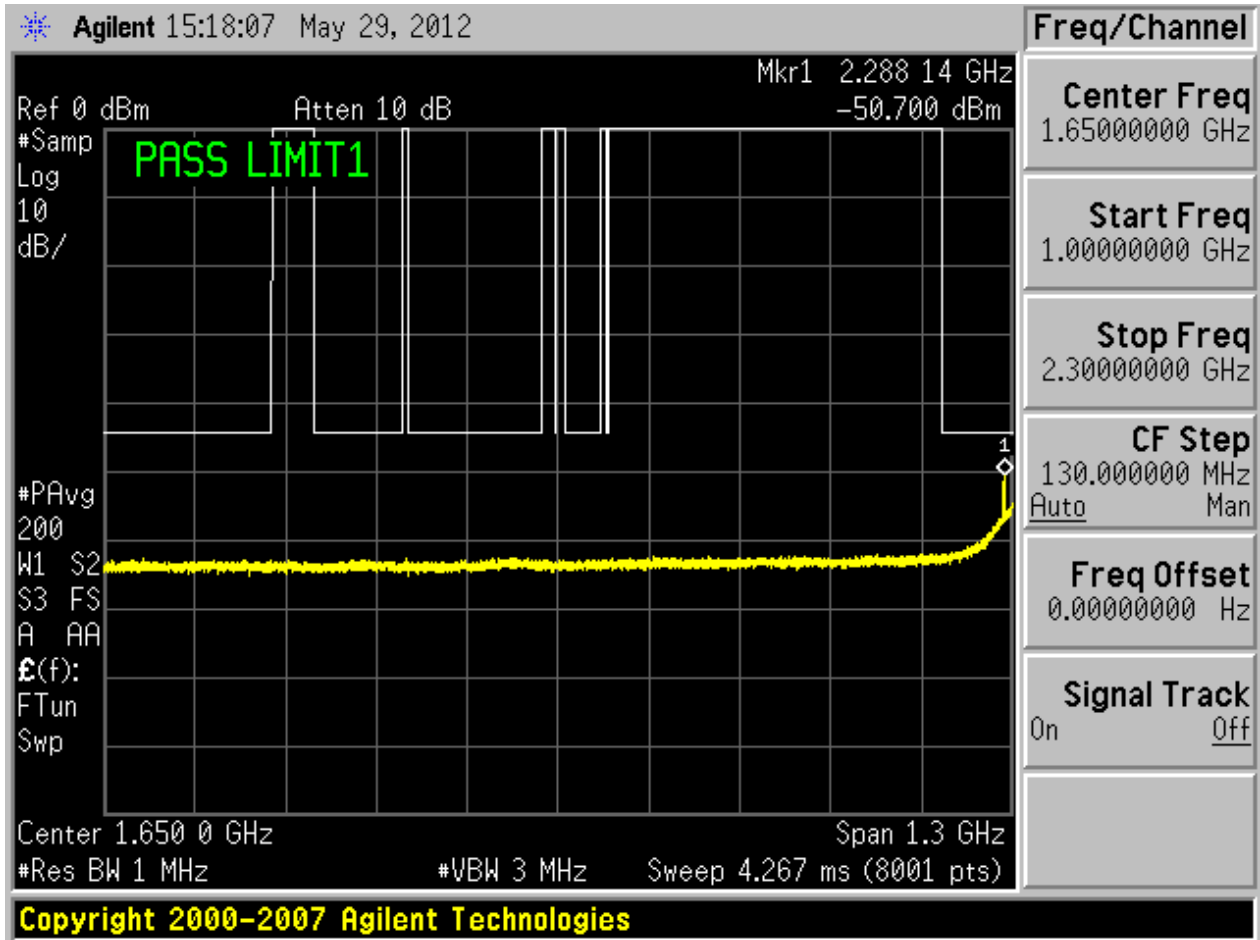


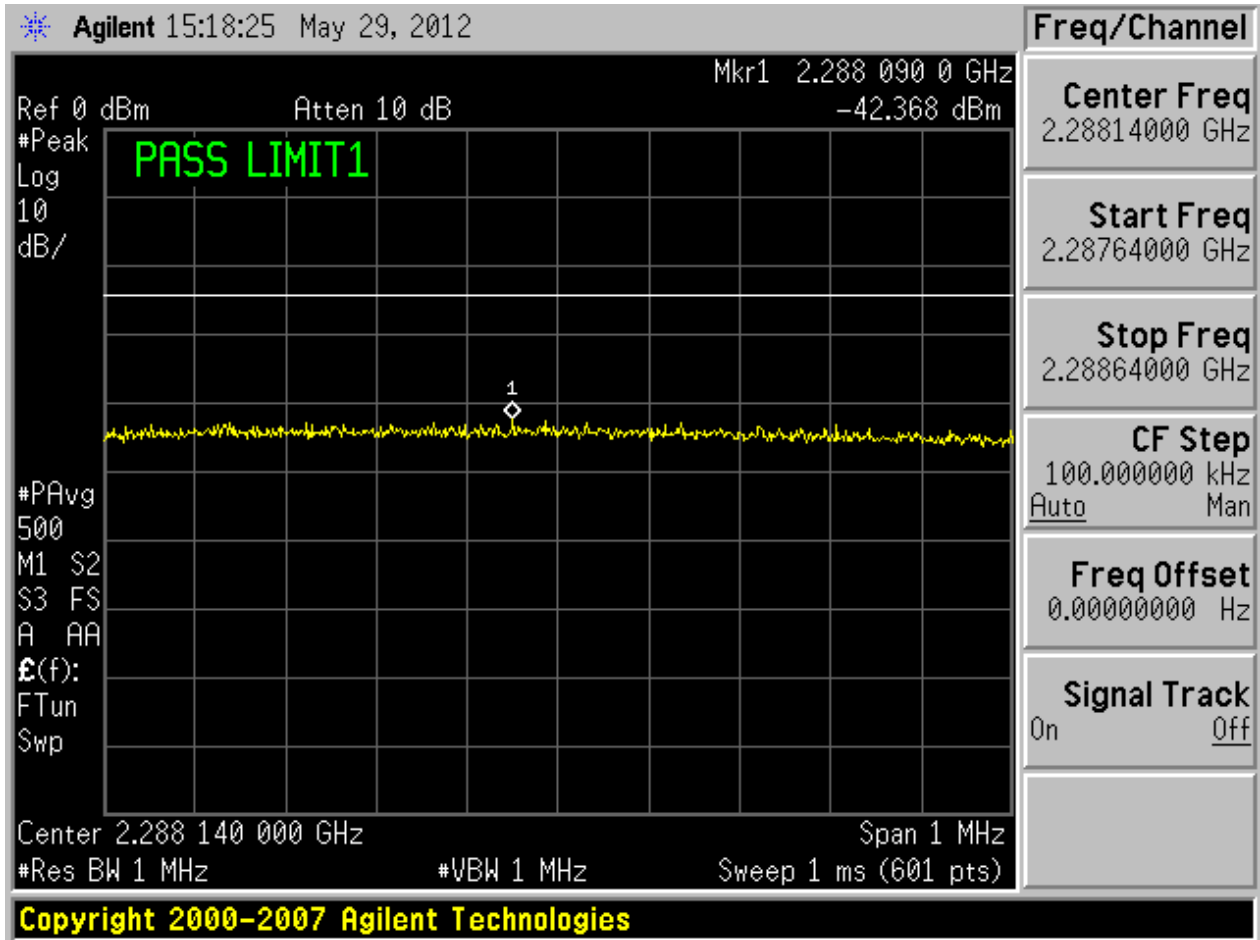
2.5 11B/1_T@1

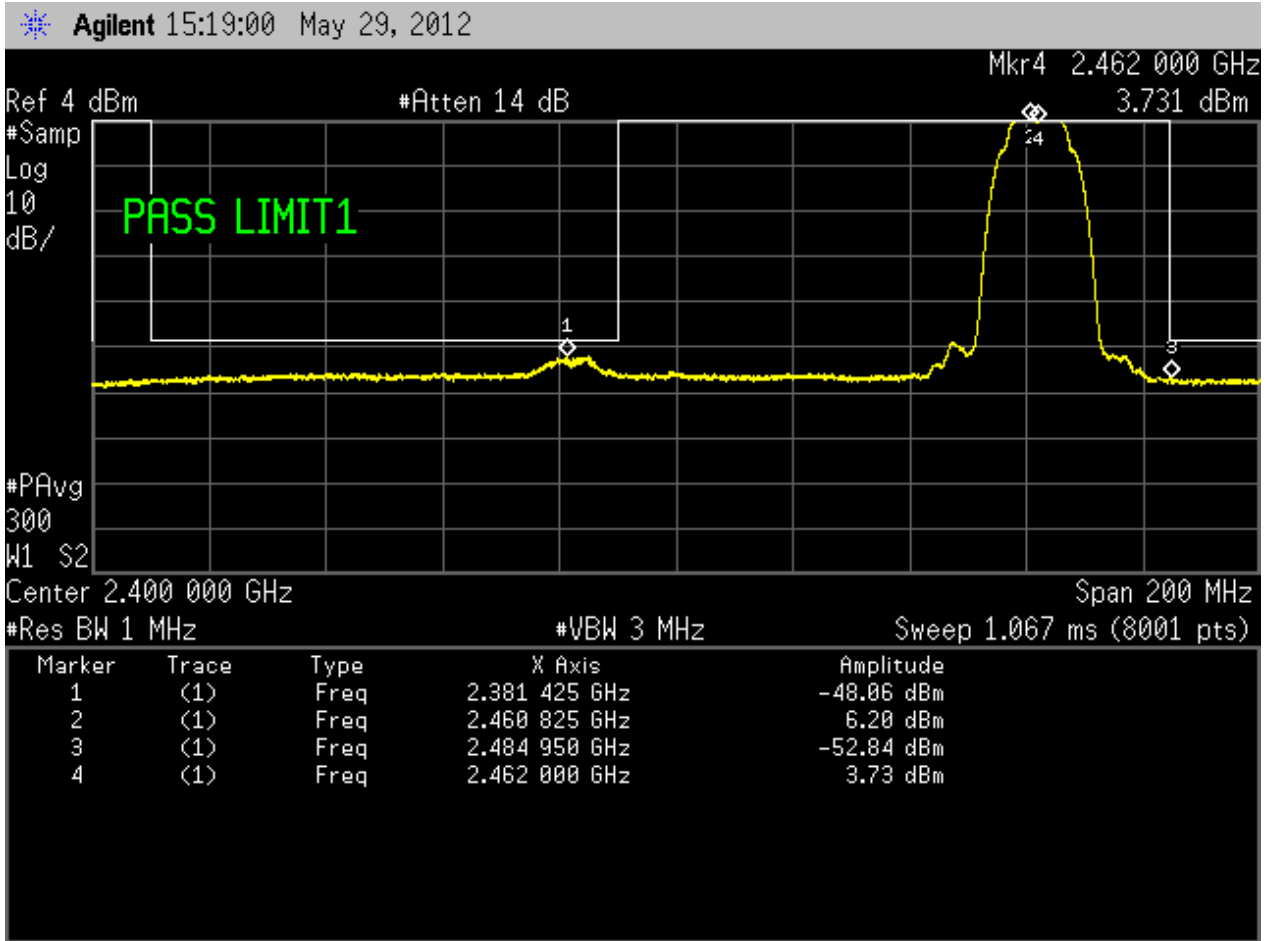


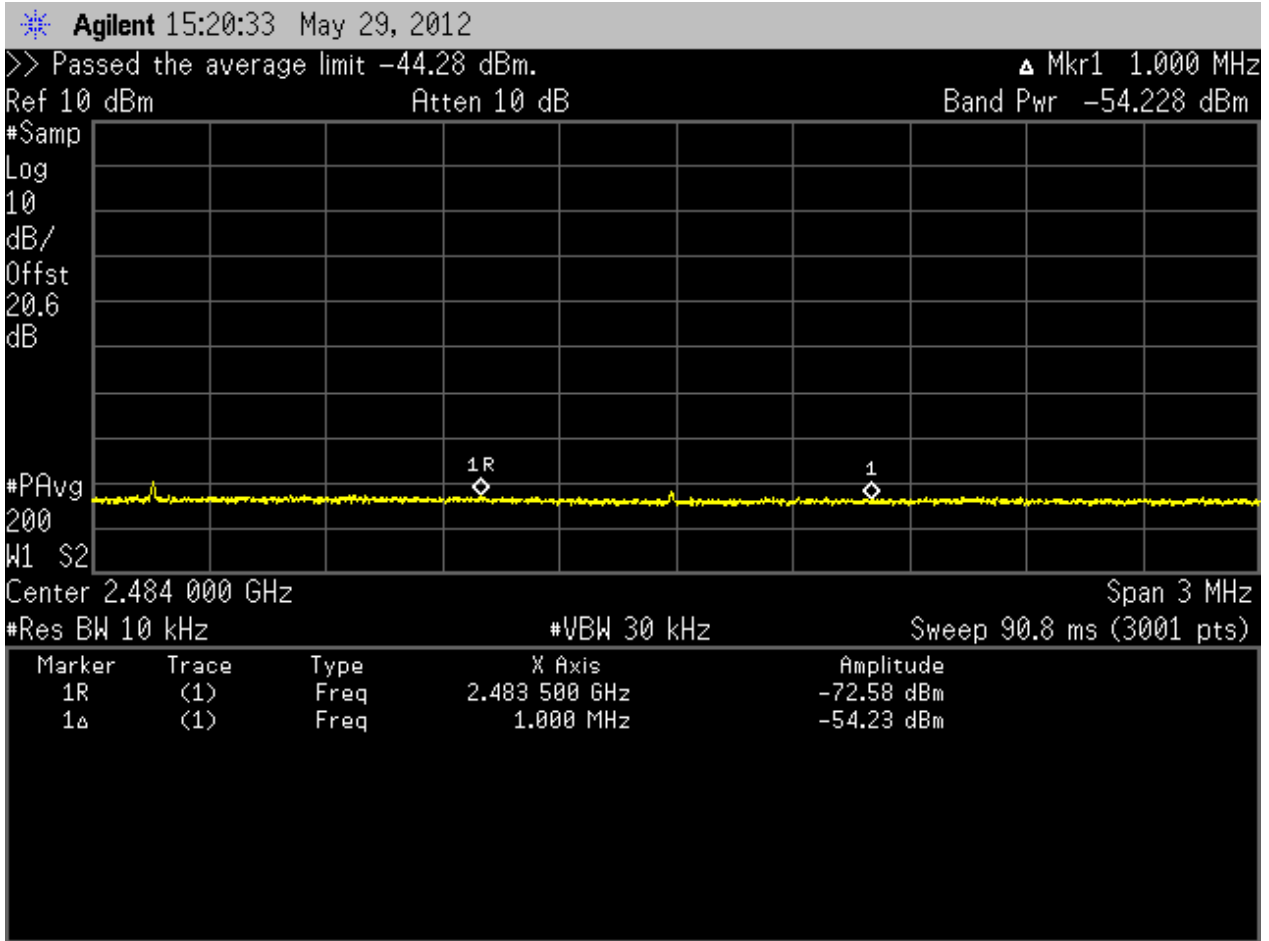


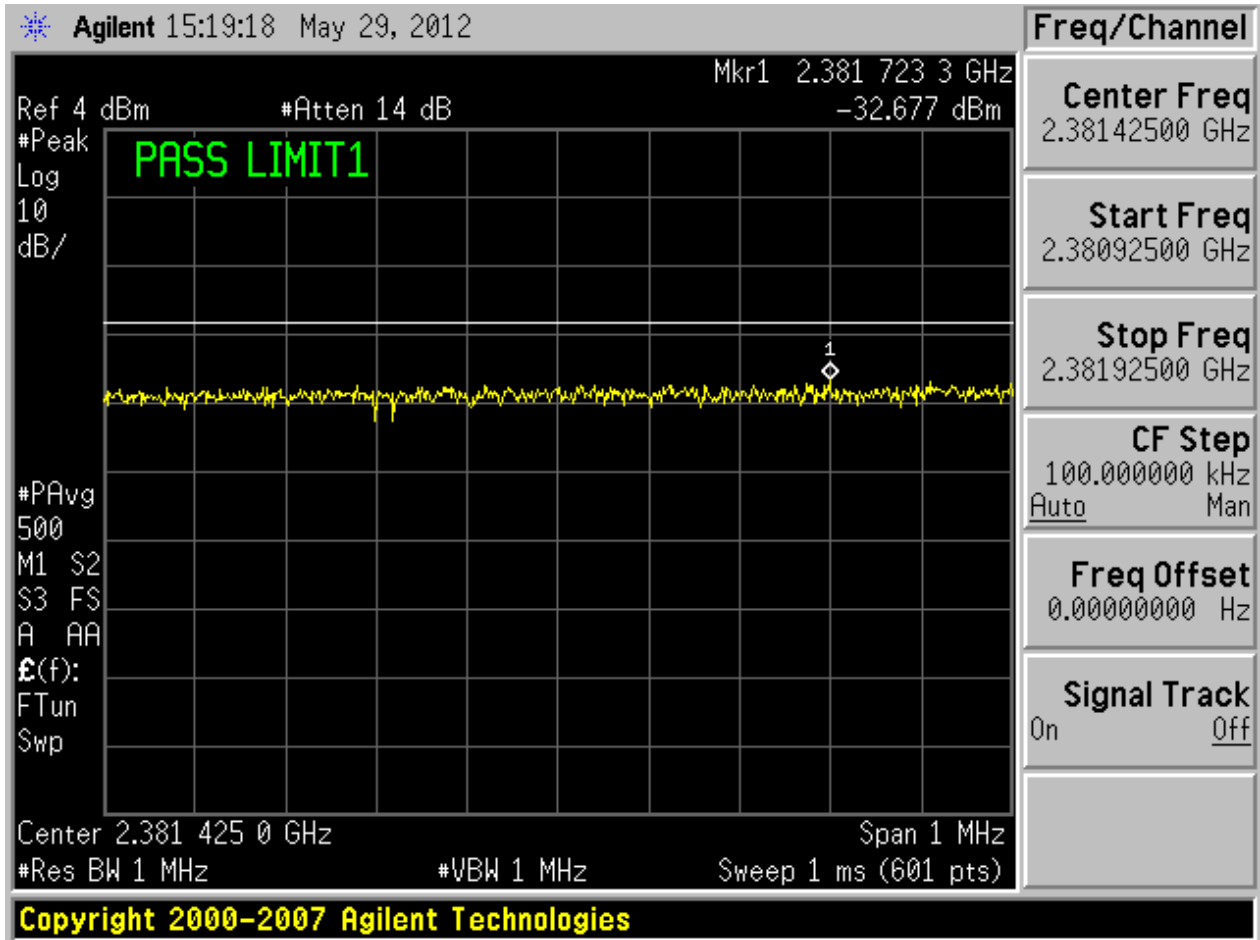


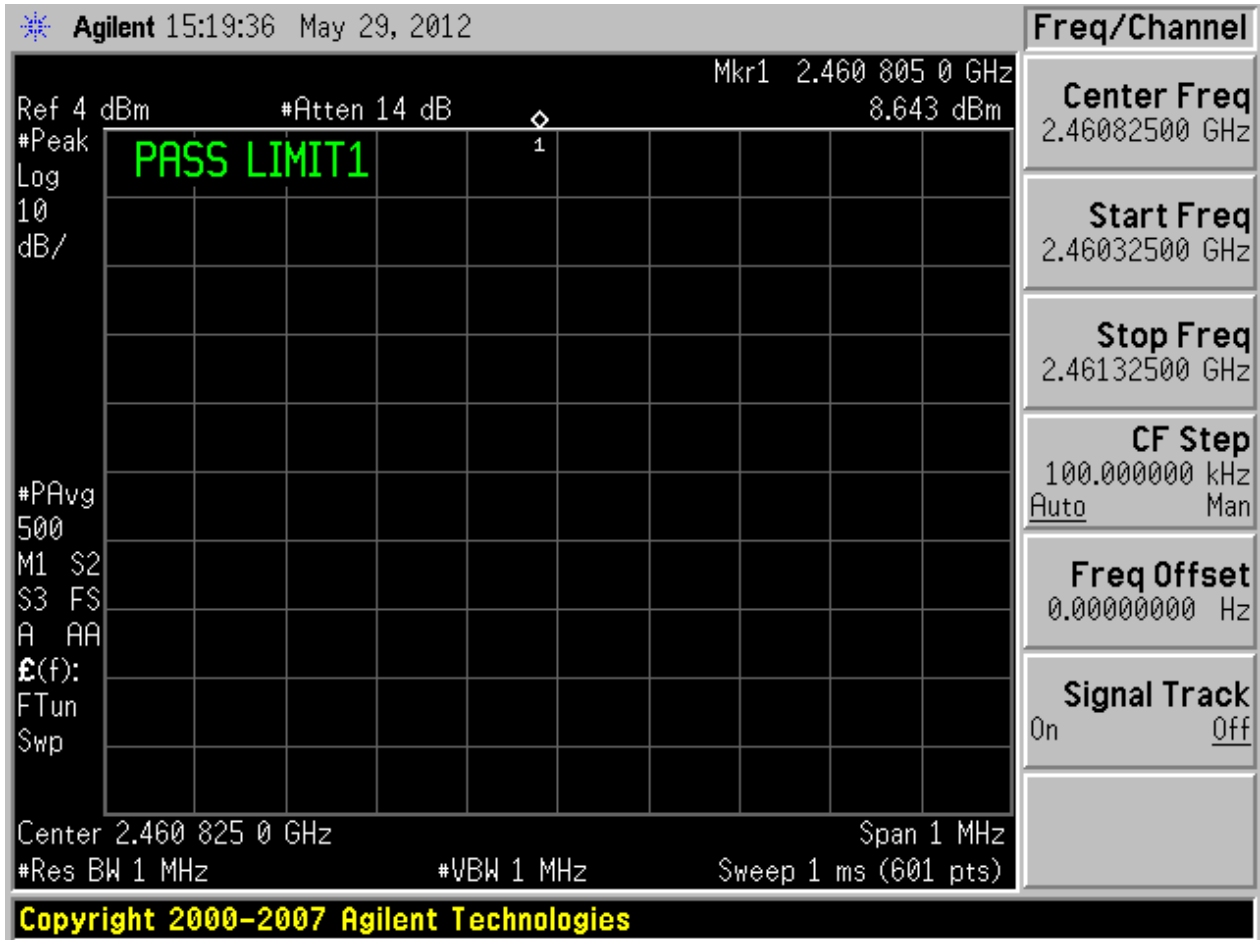


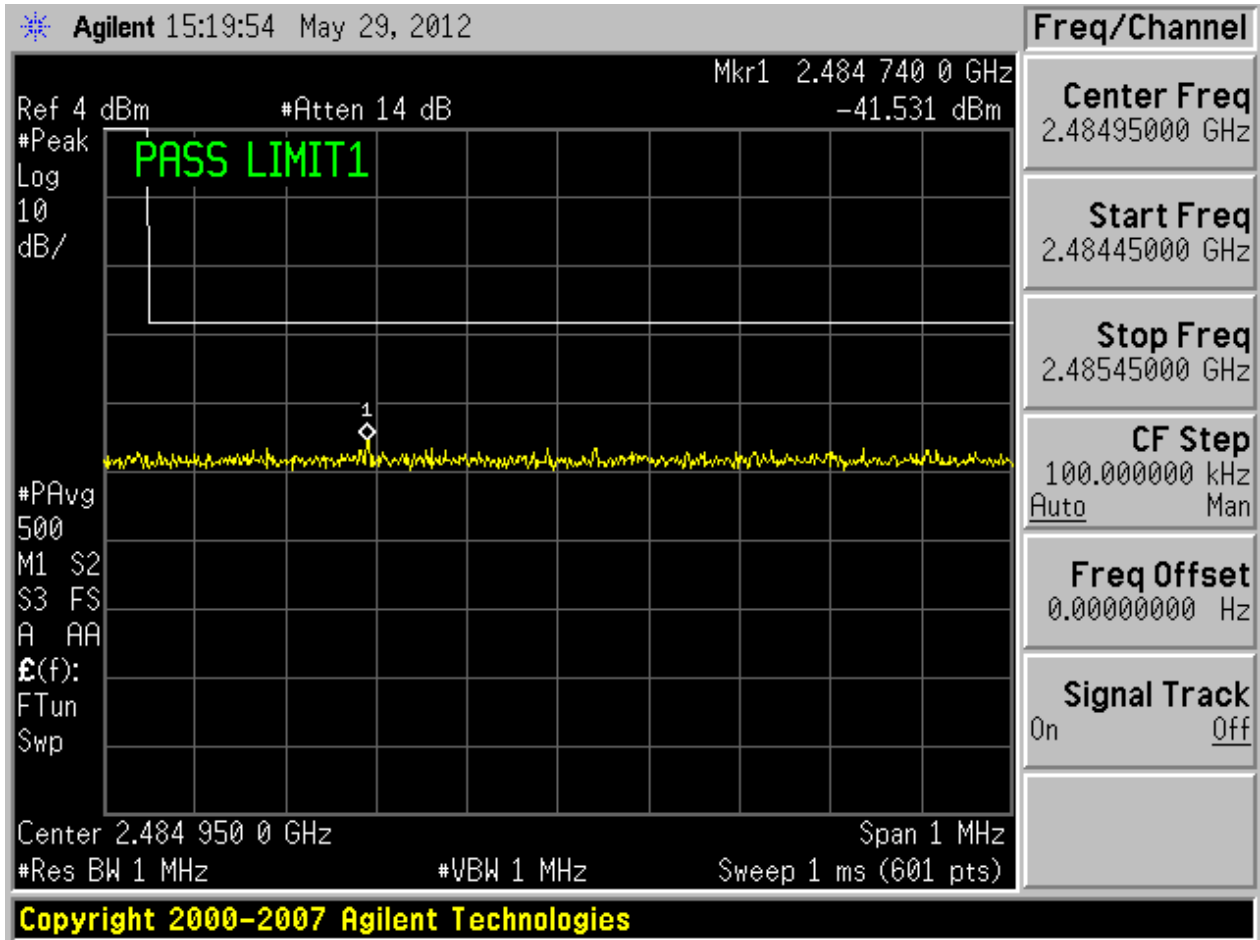


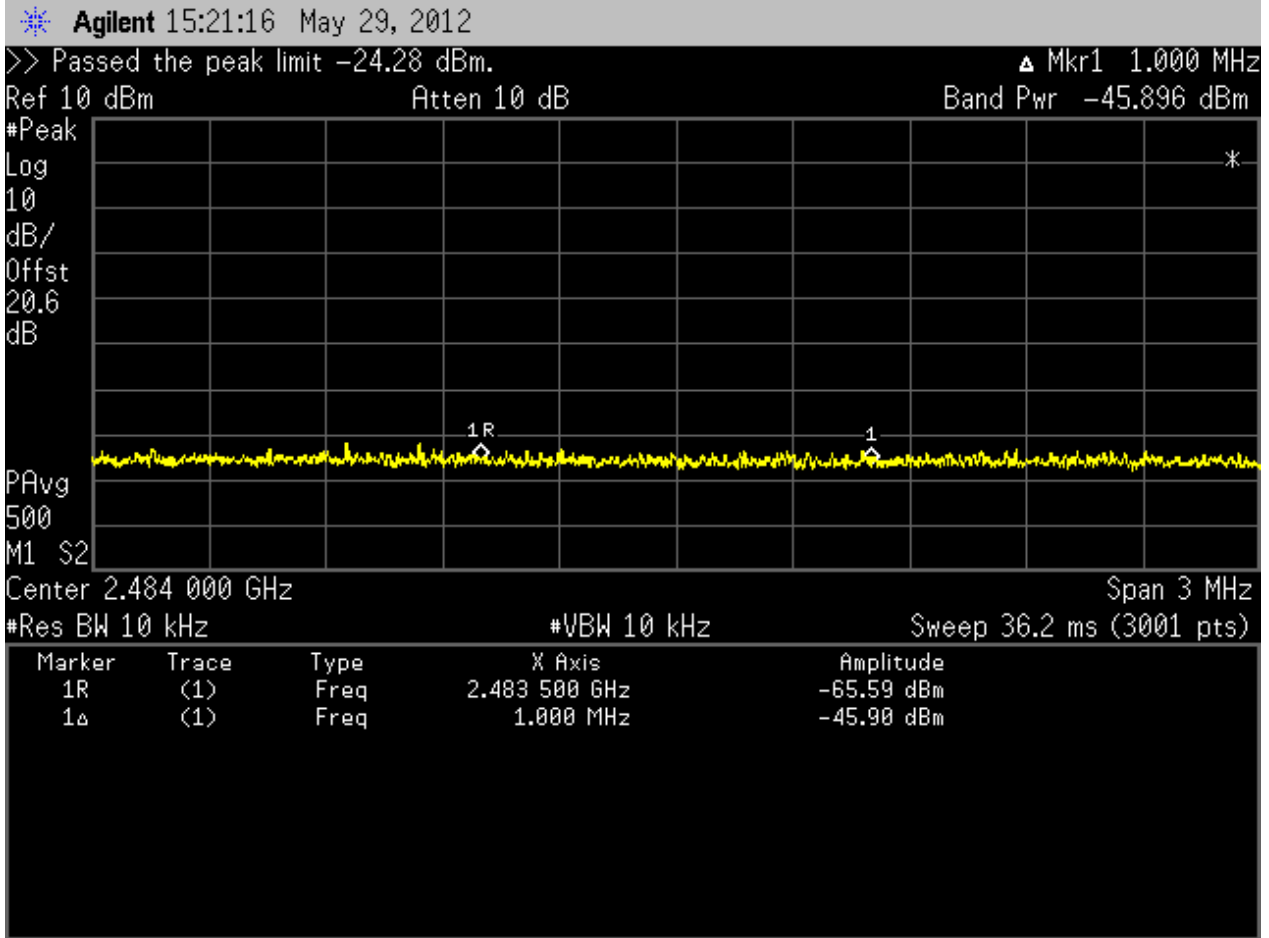


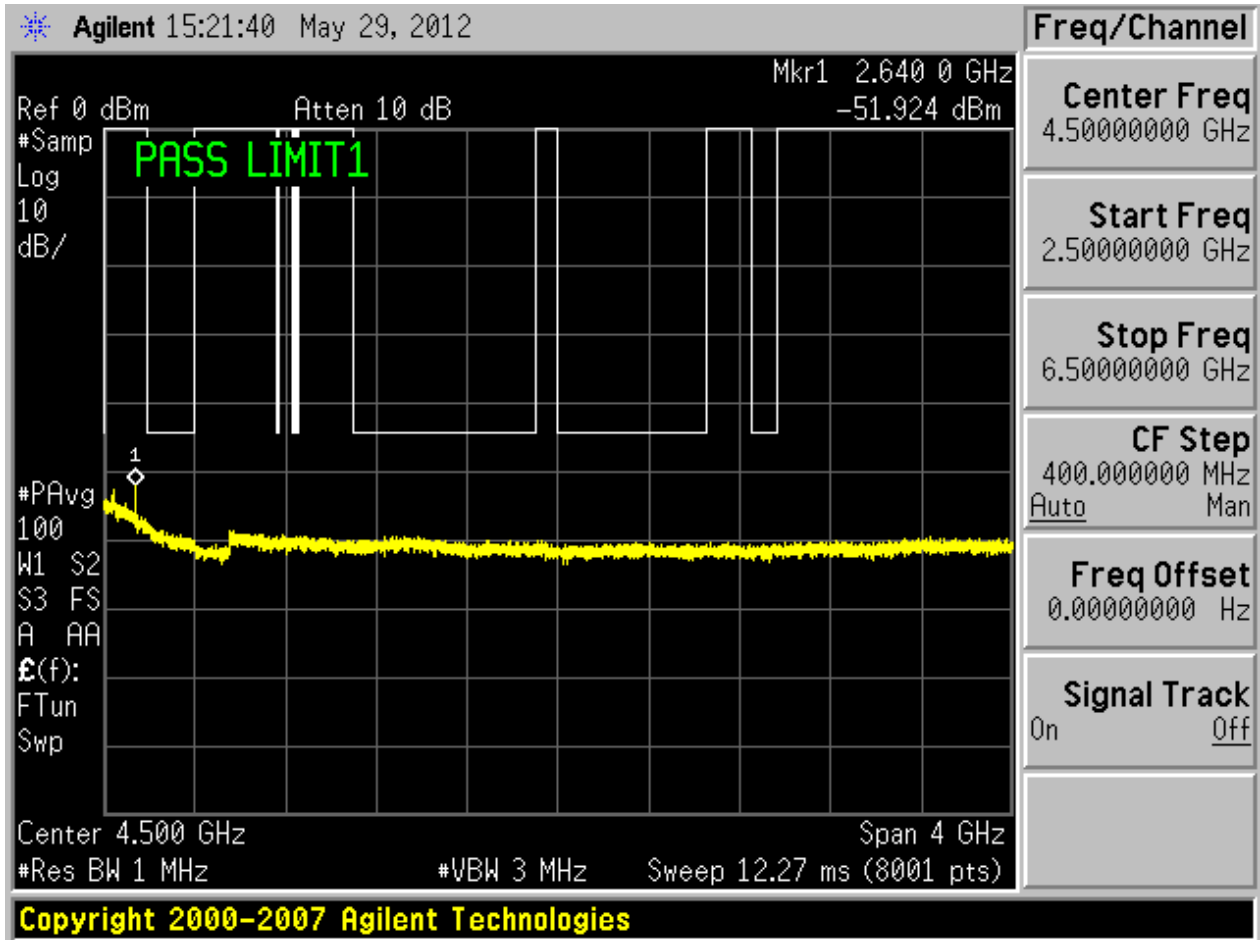


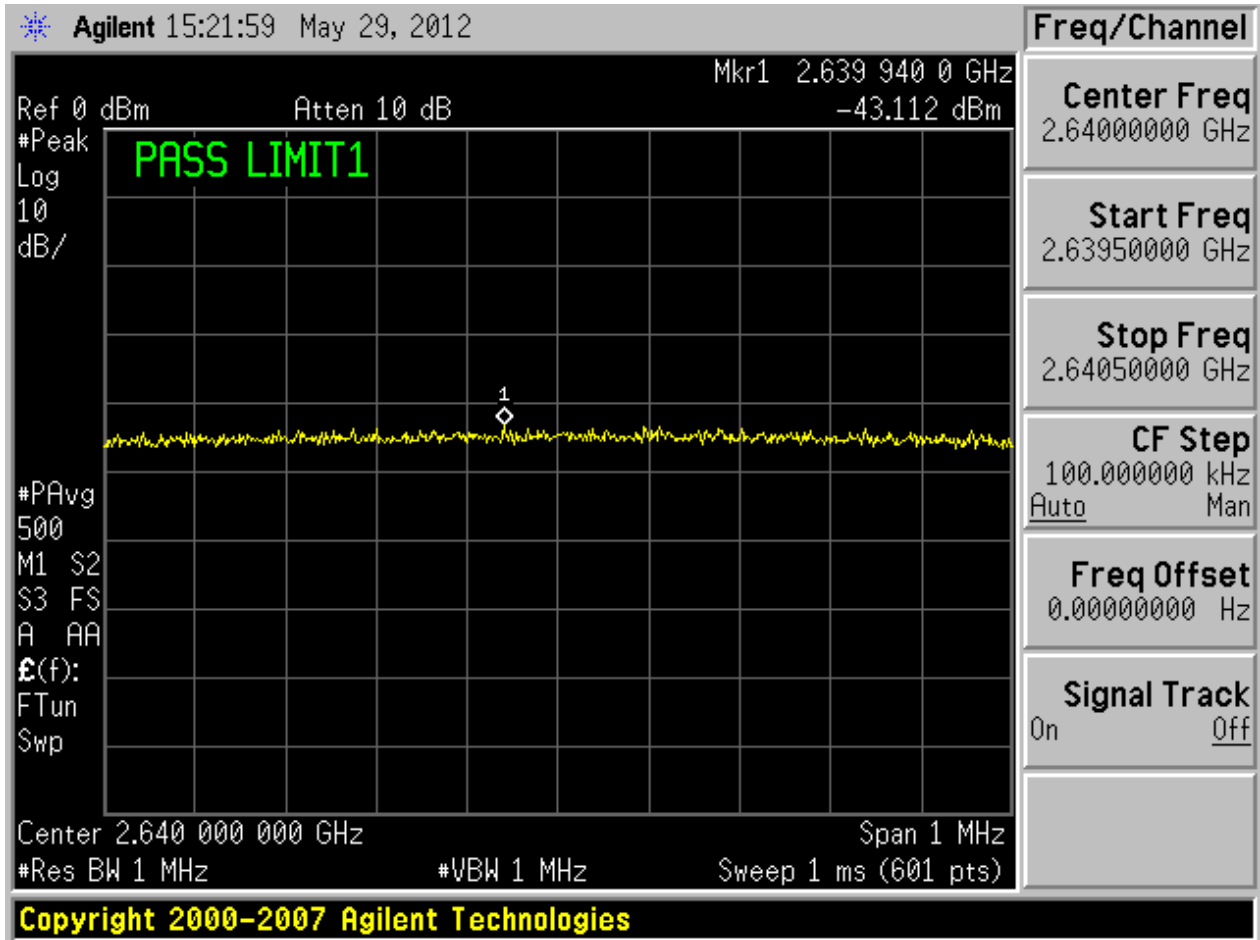


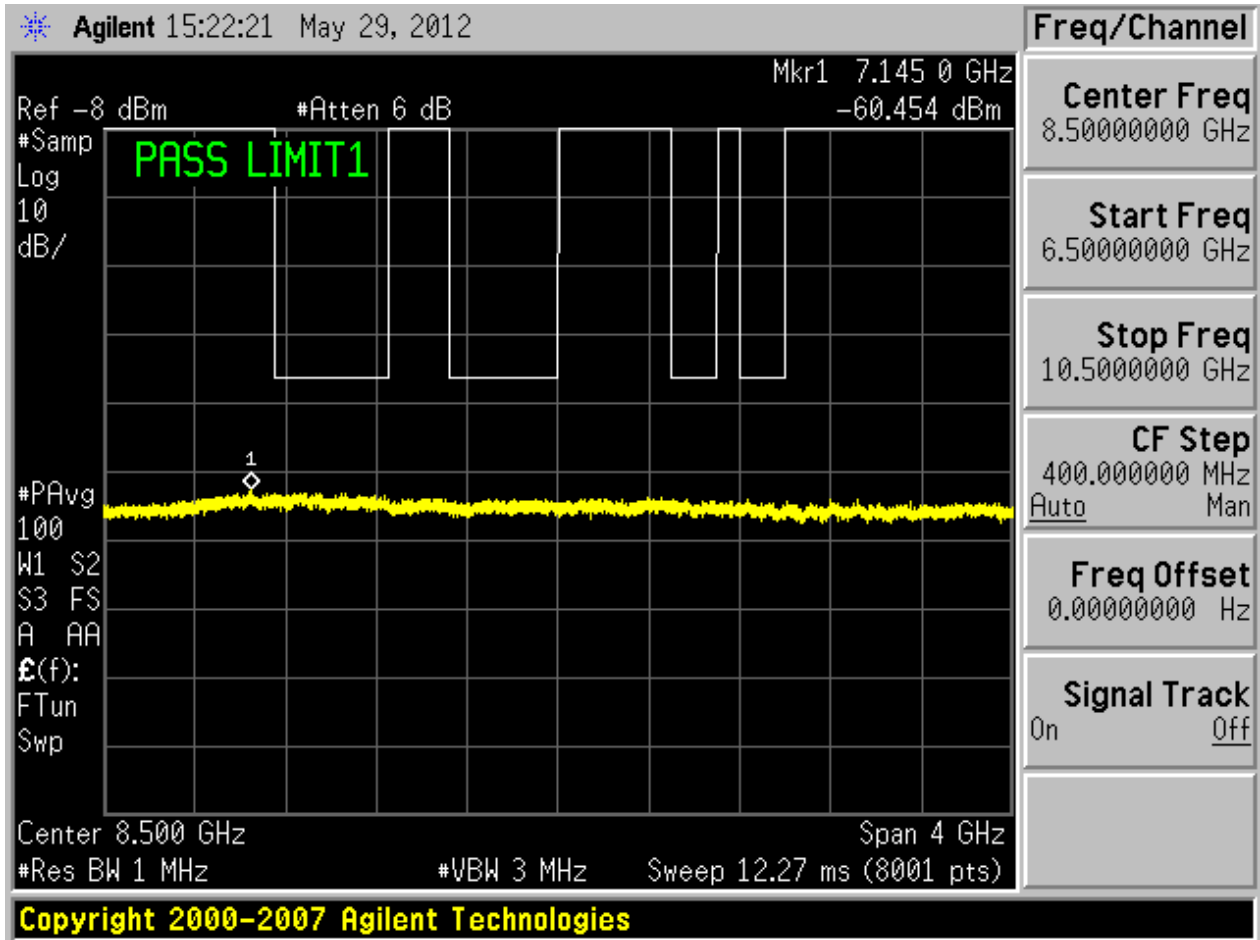


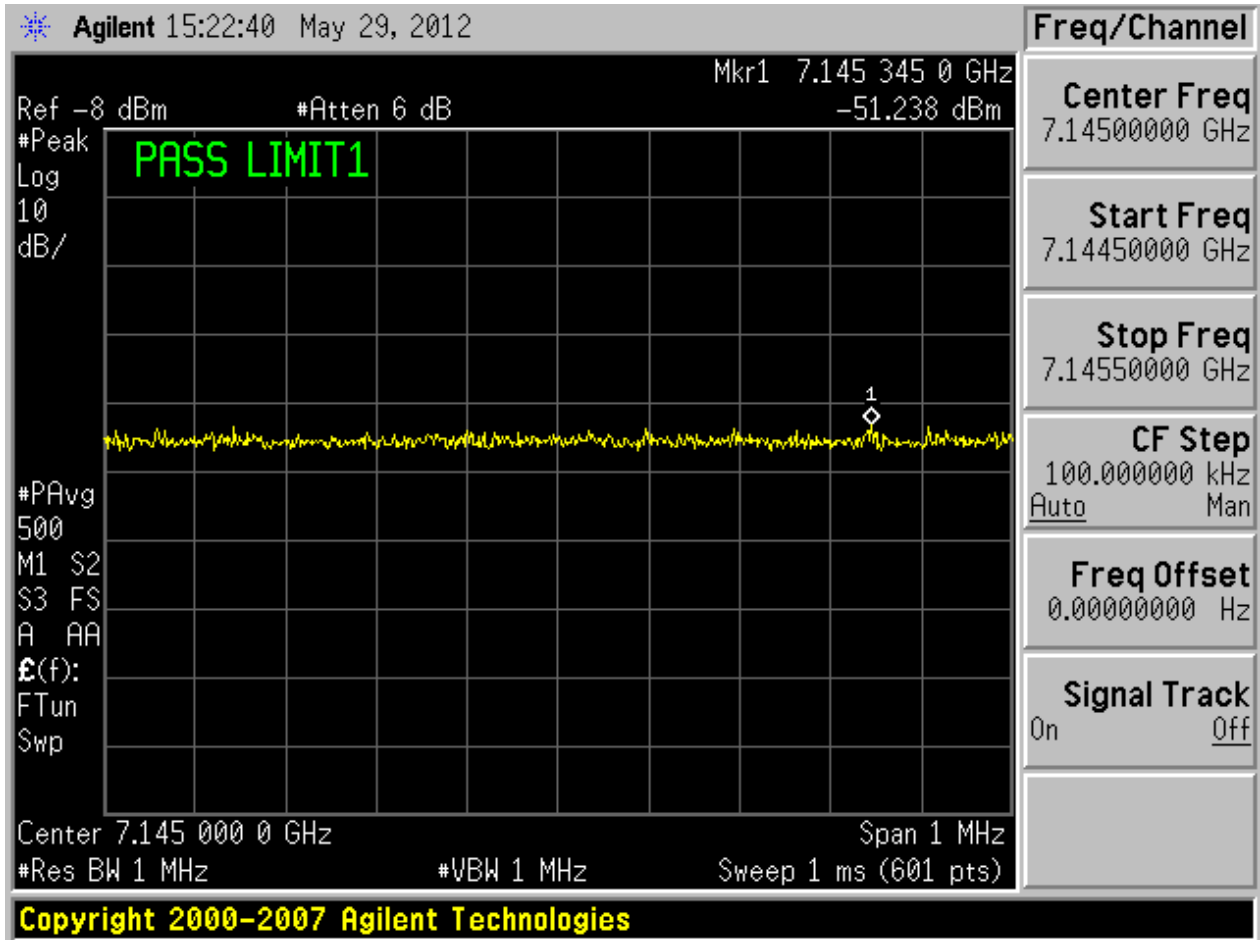


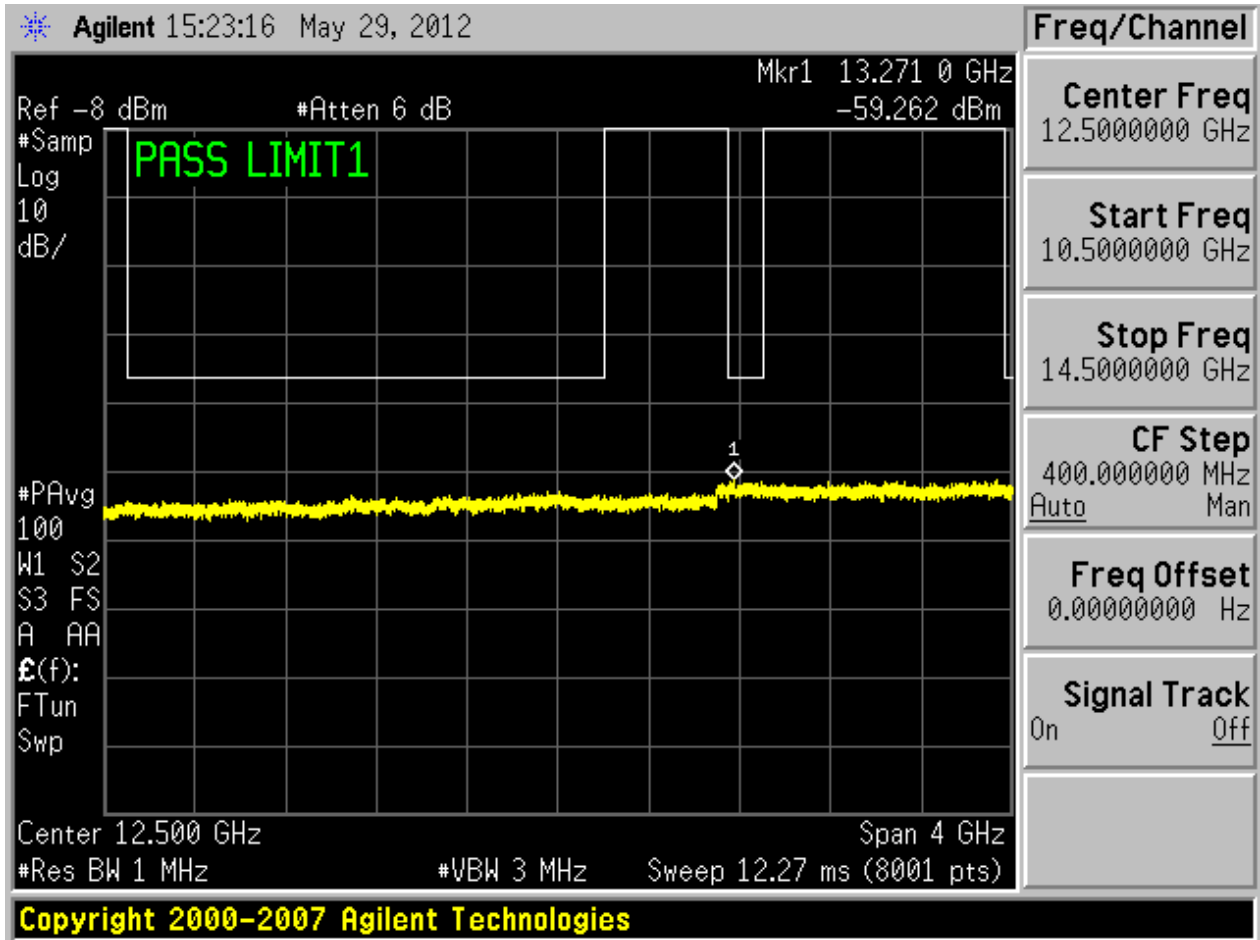


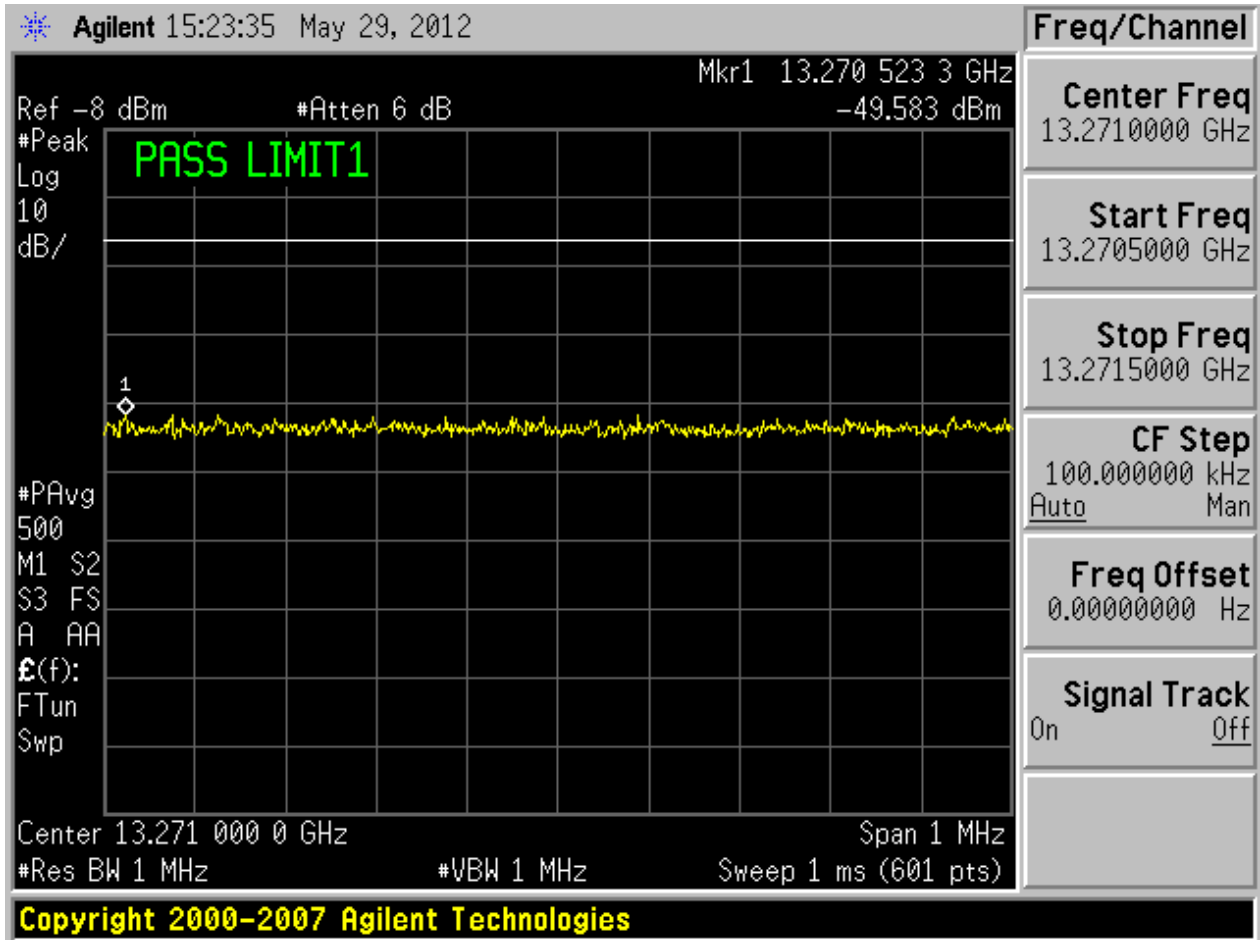


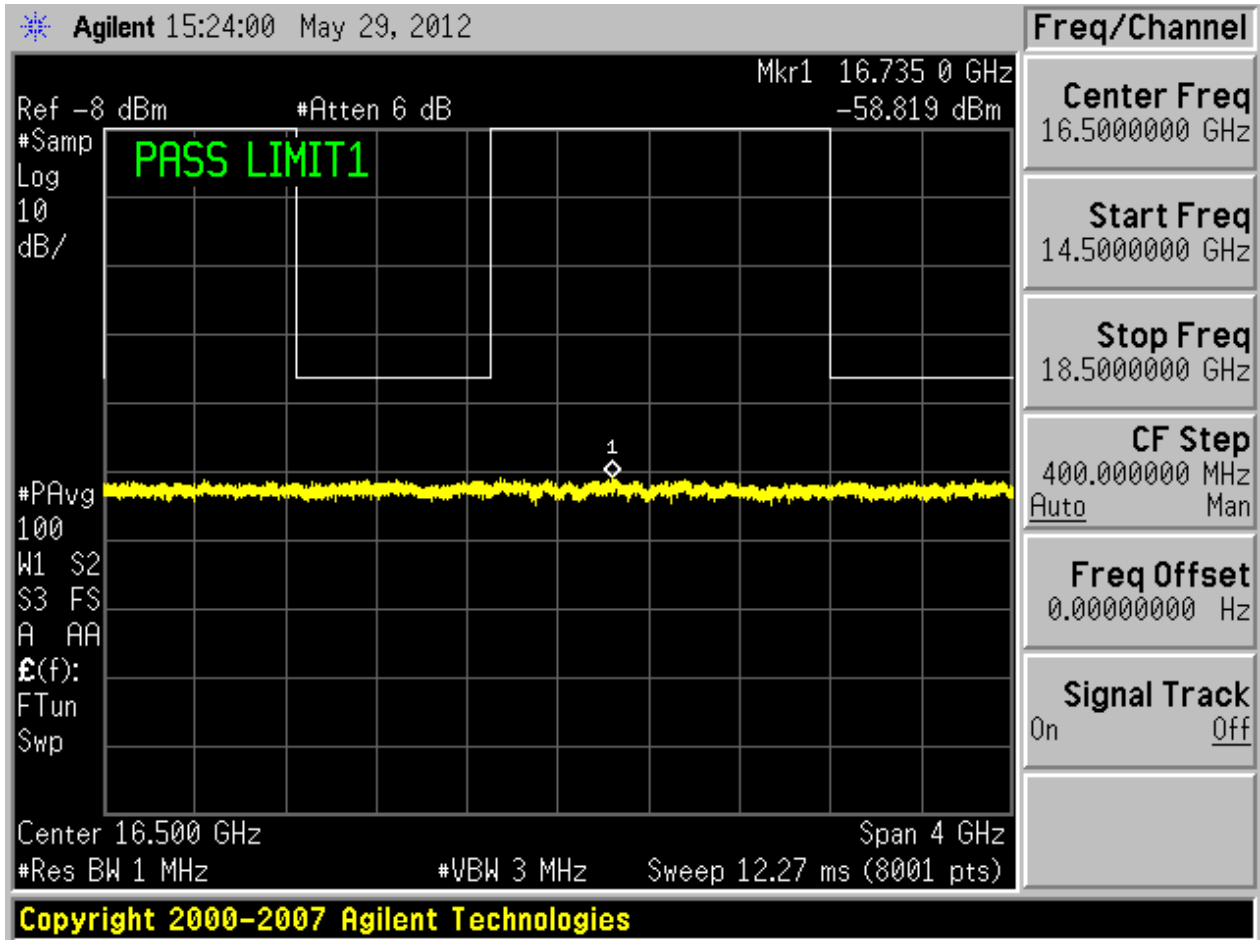


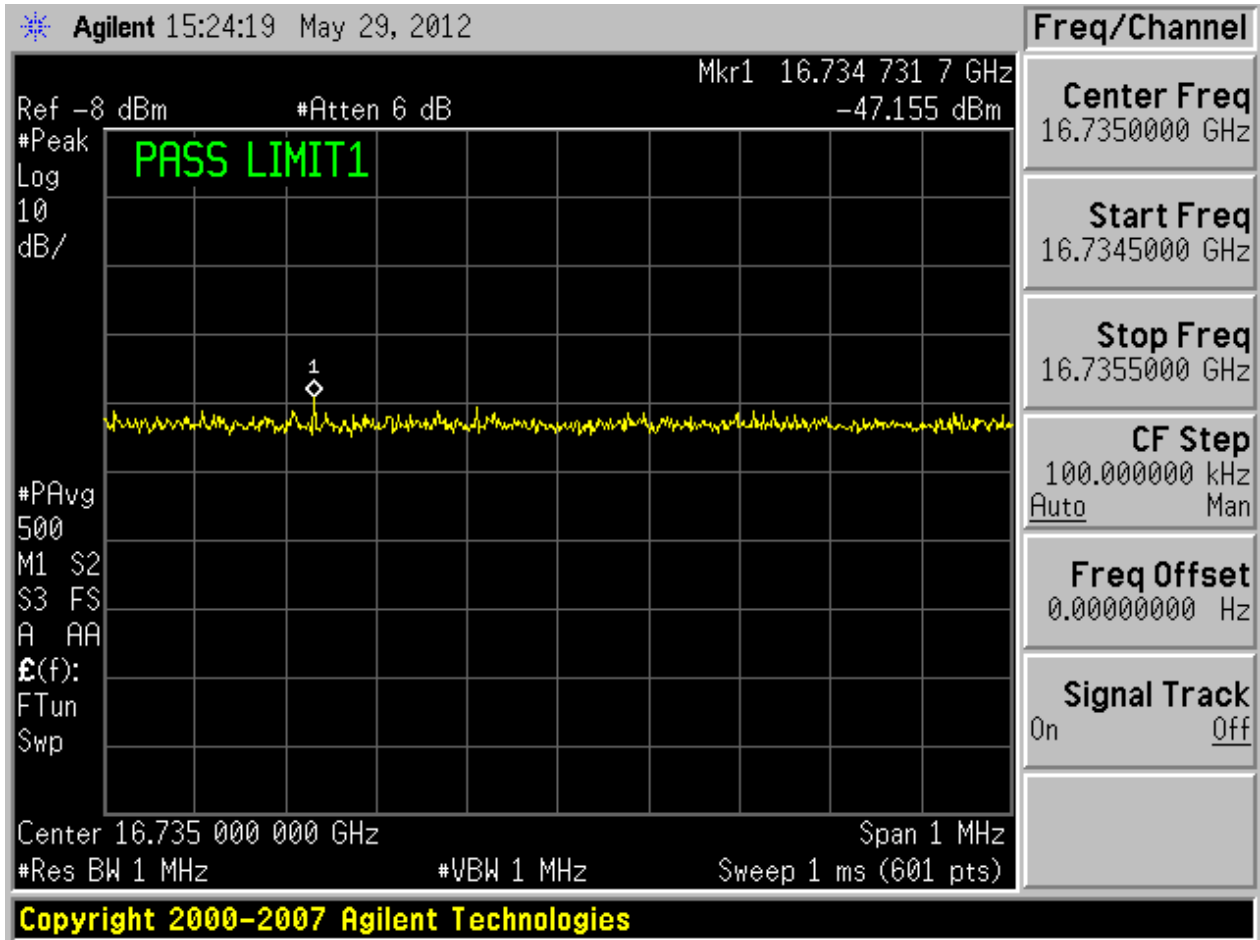


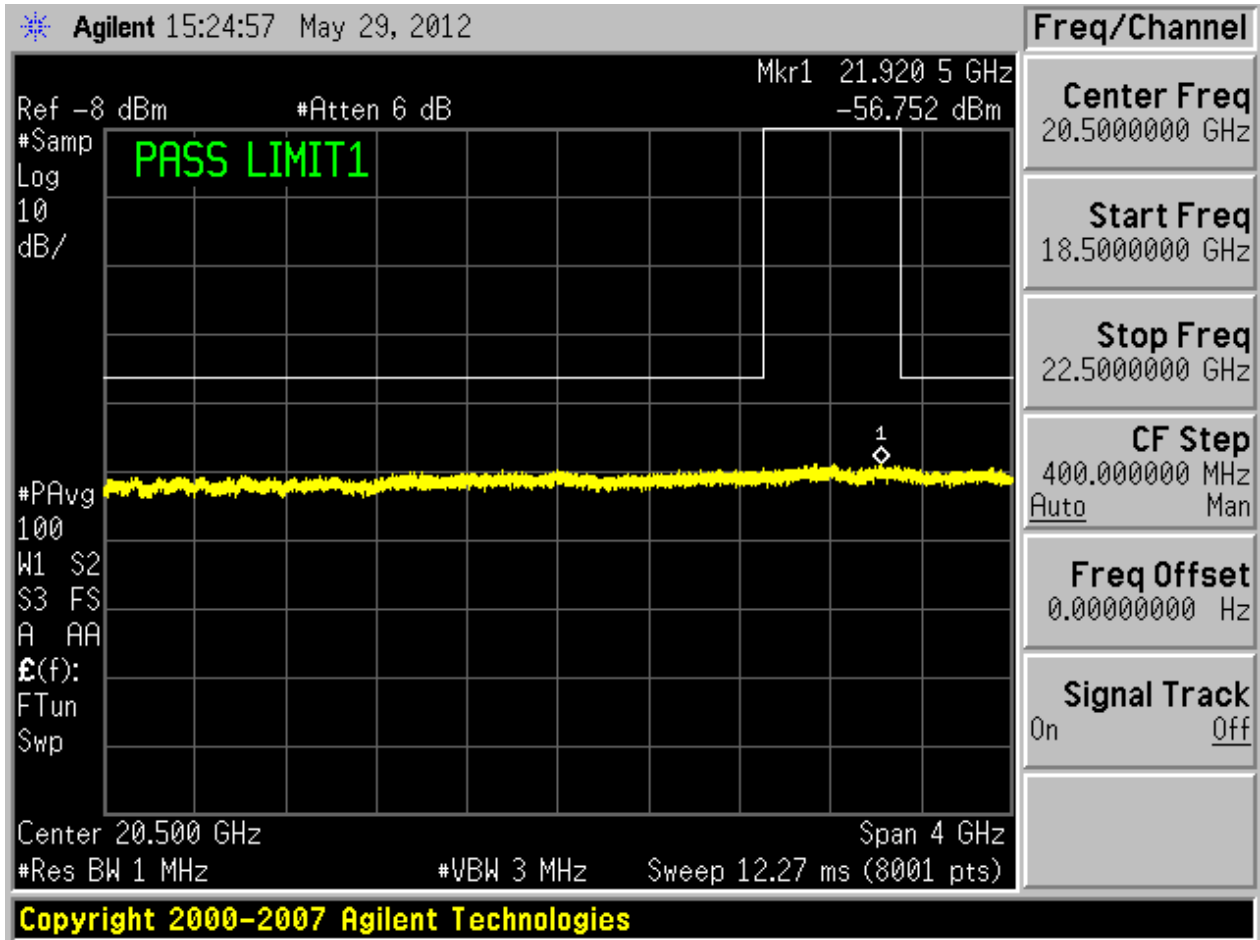


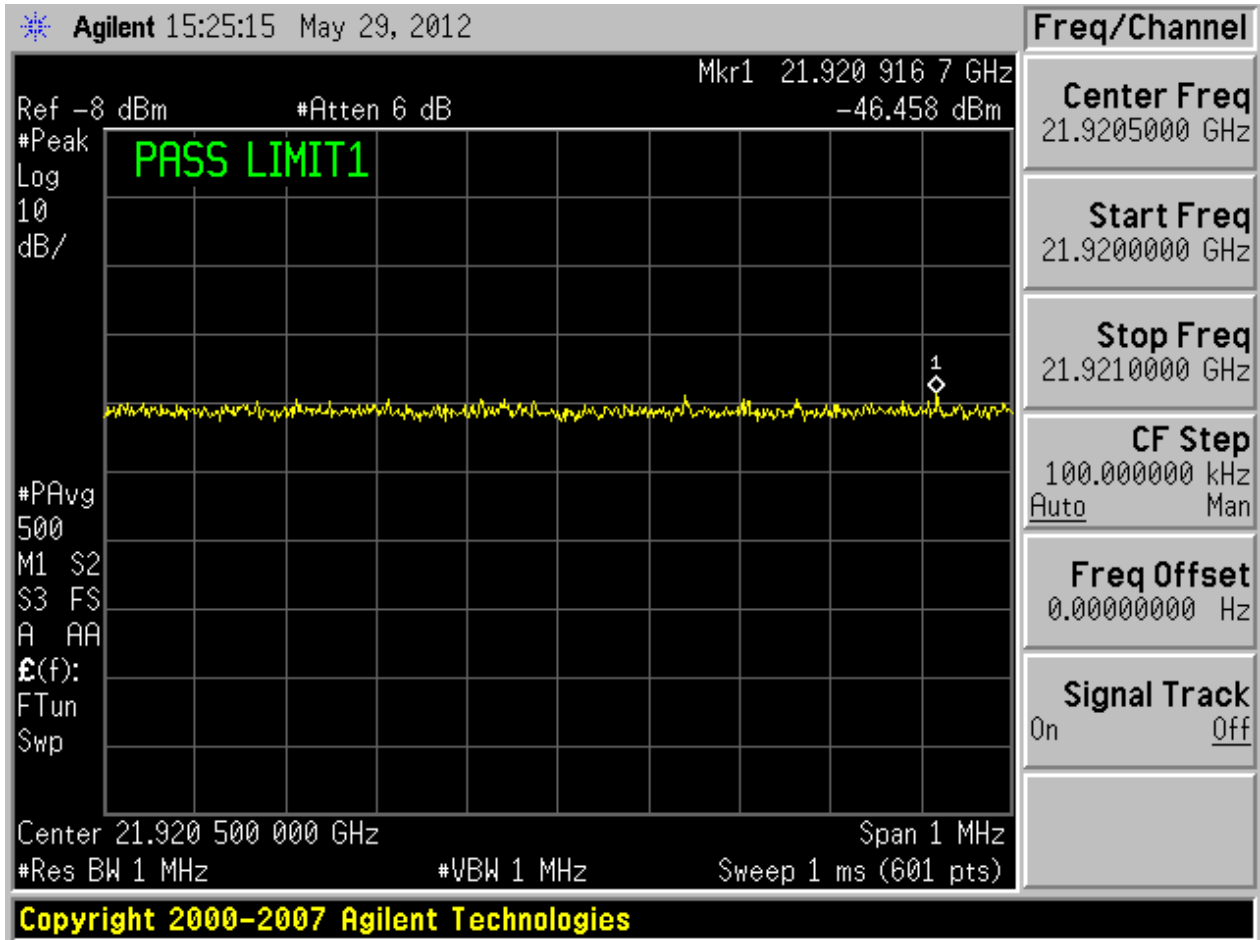


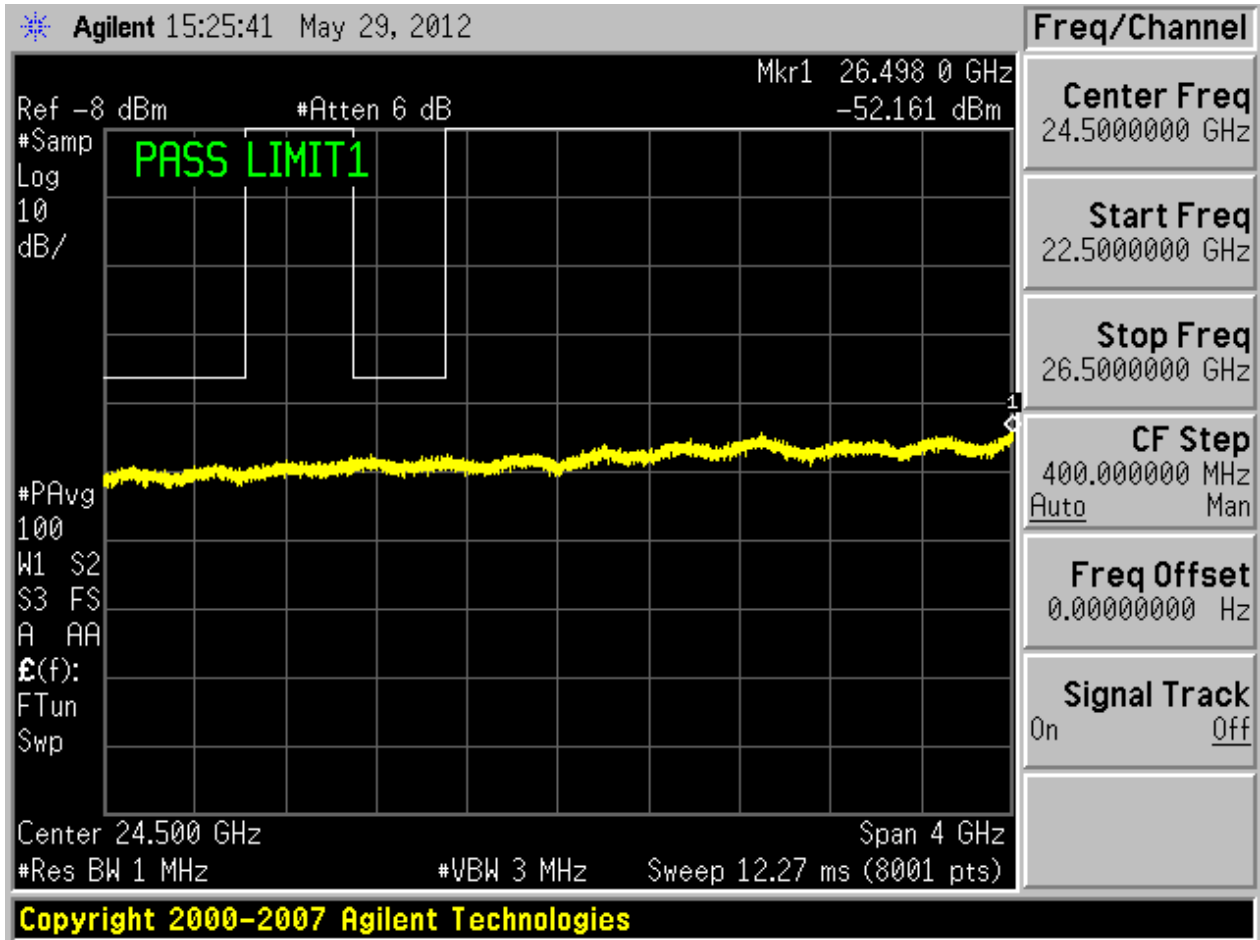


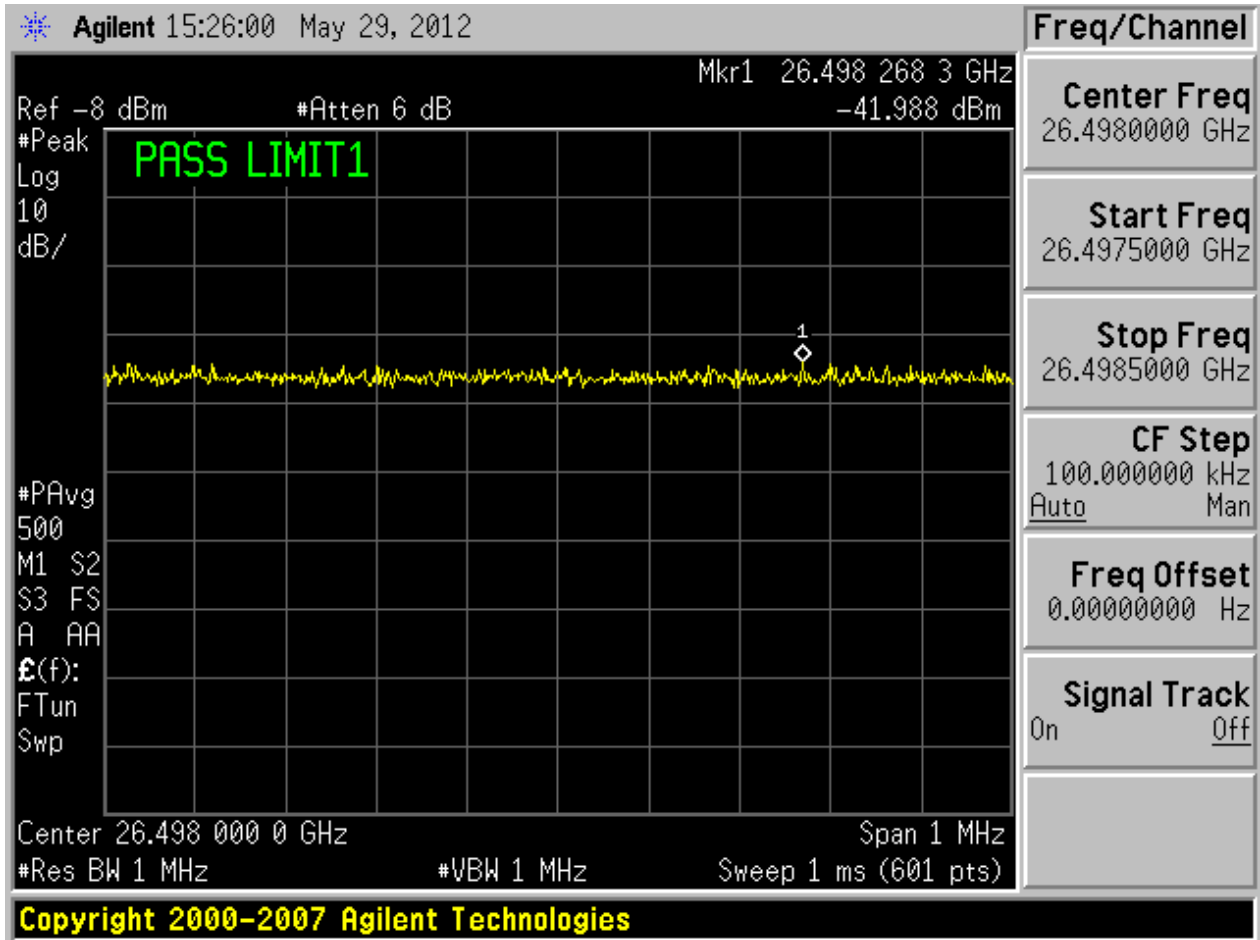




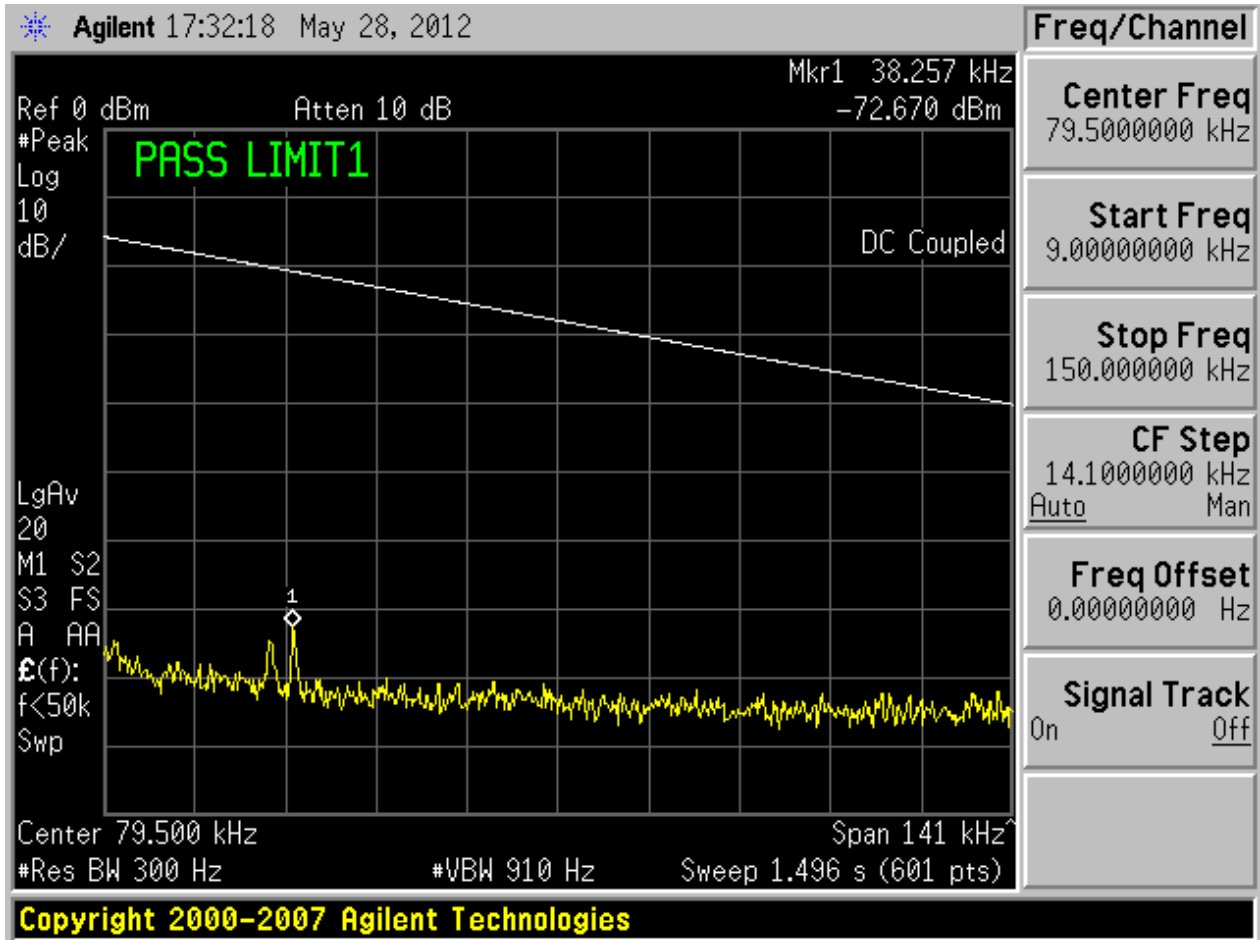


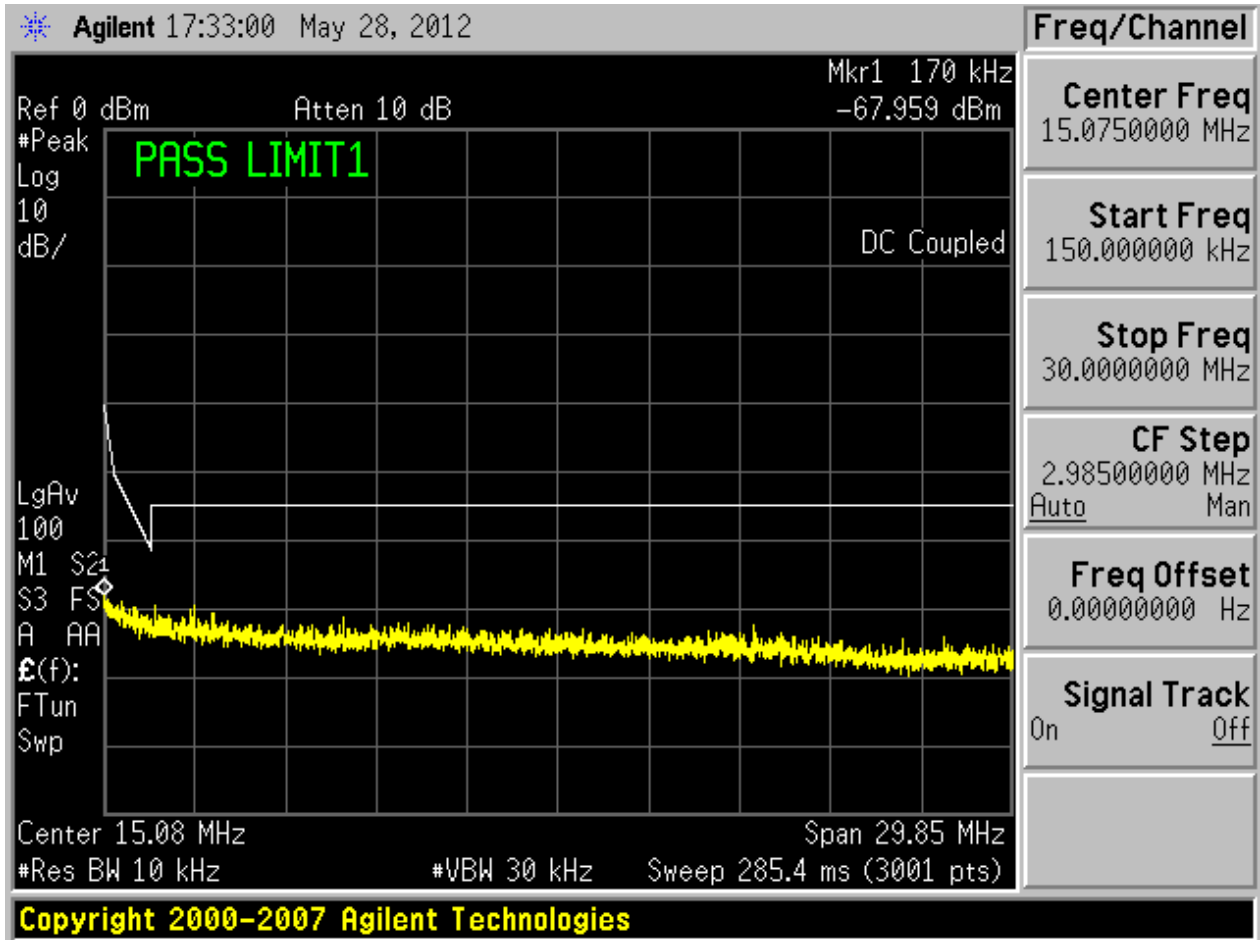


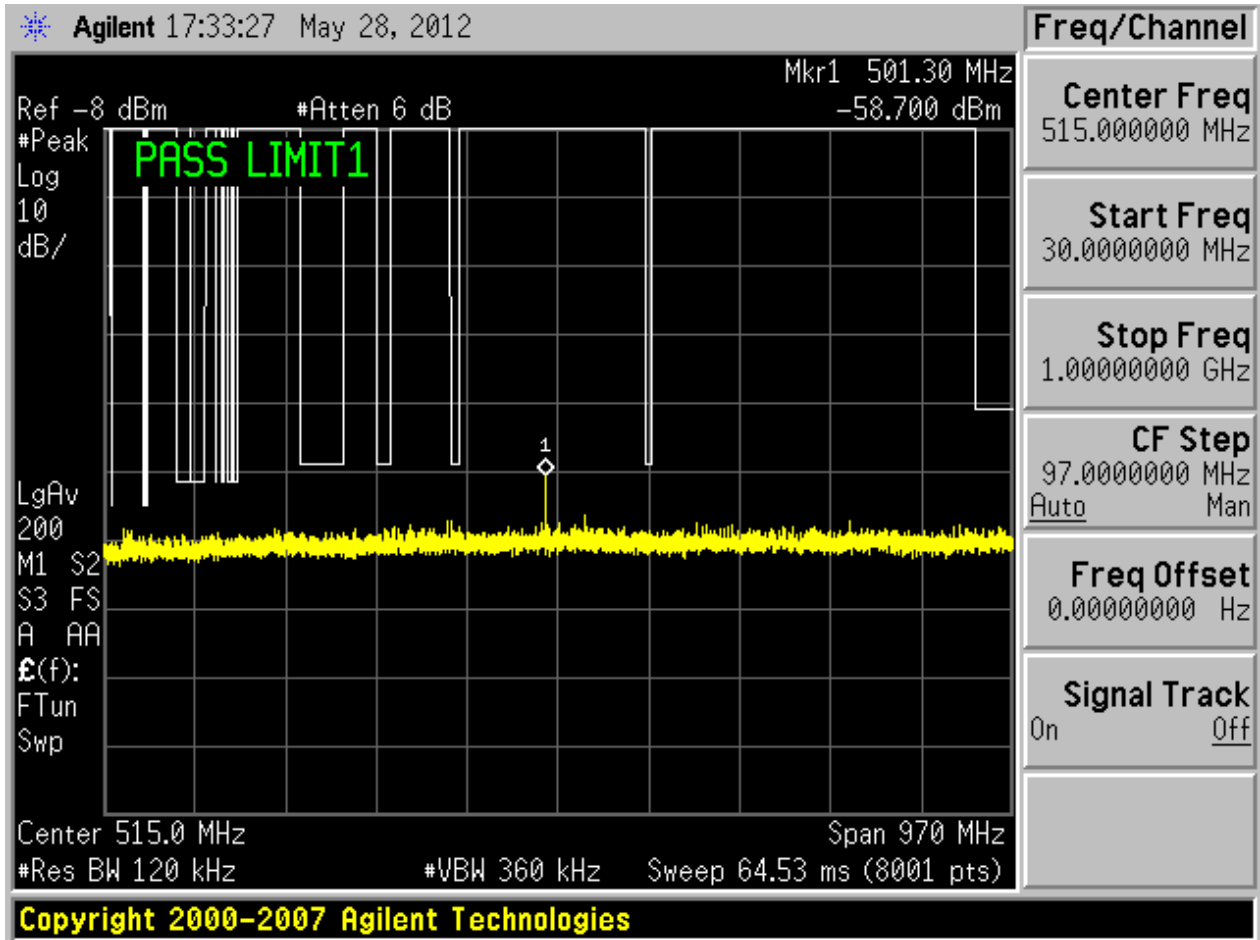


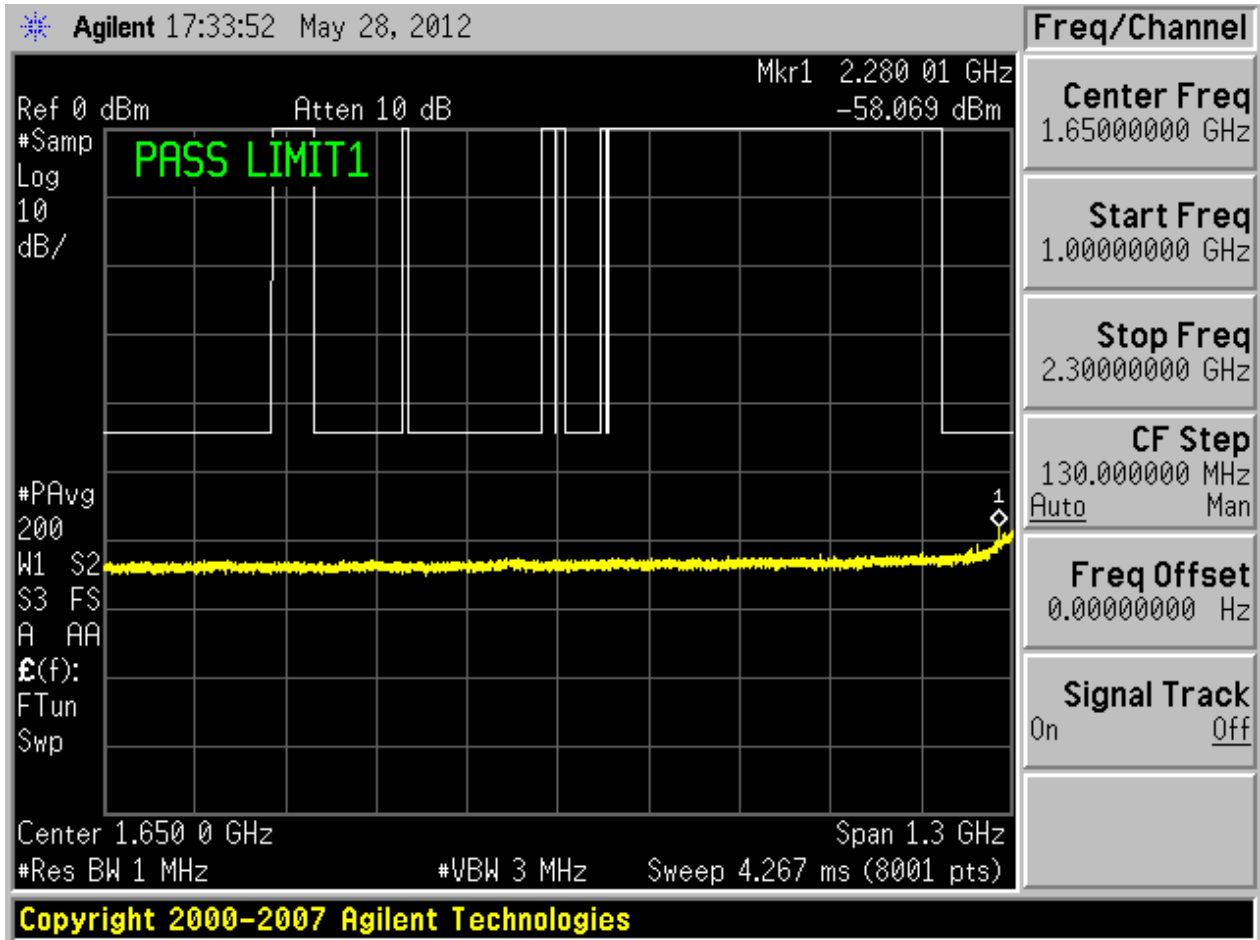


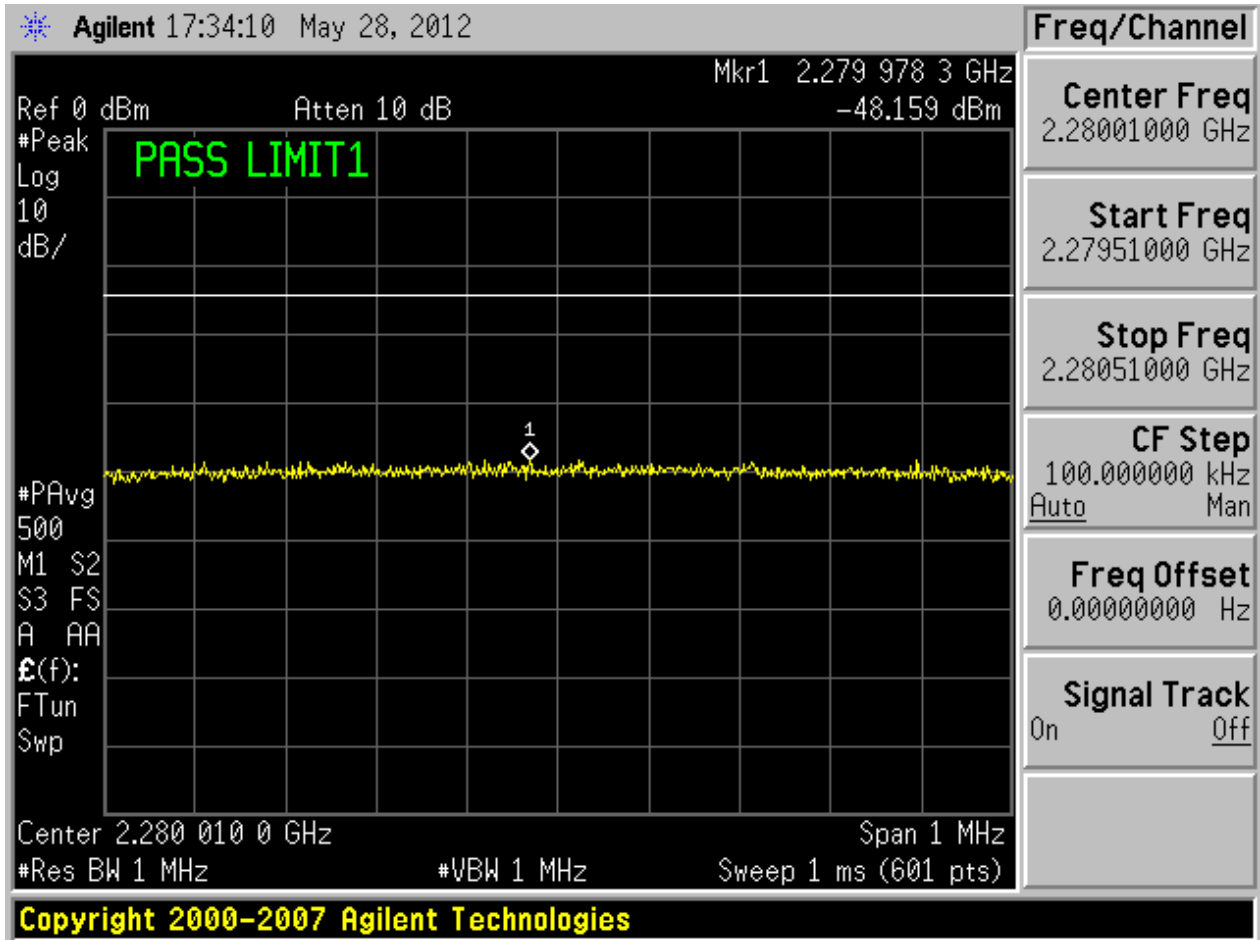
2.6 11B/1_T@2

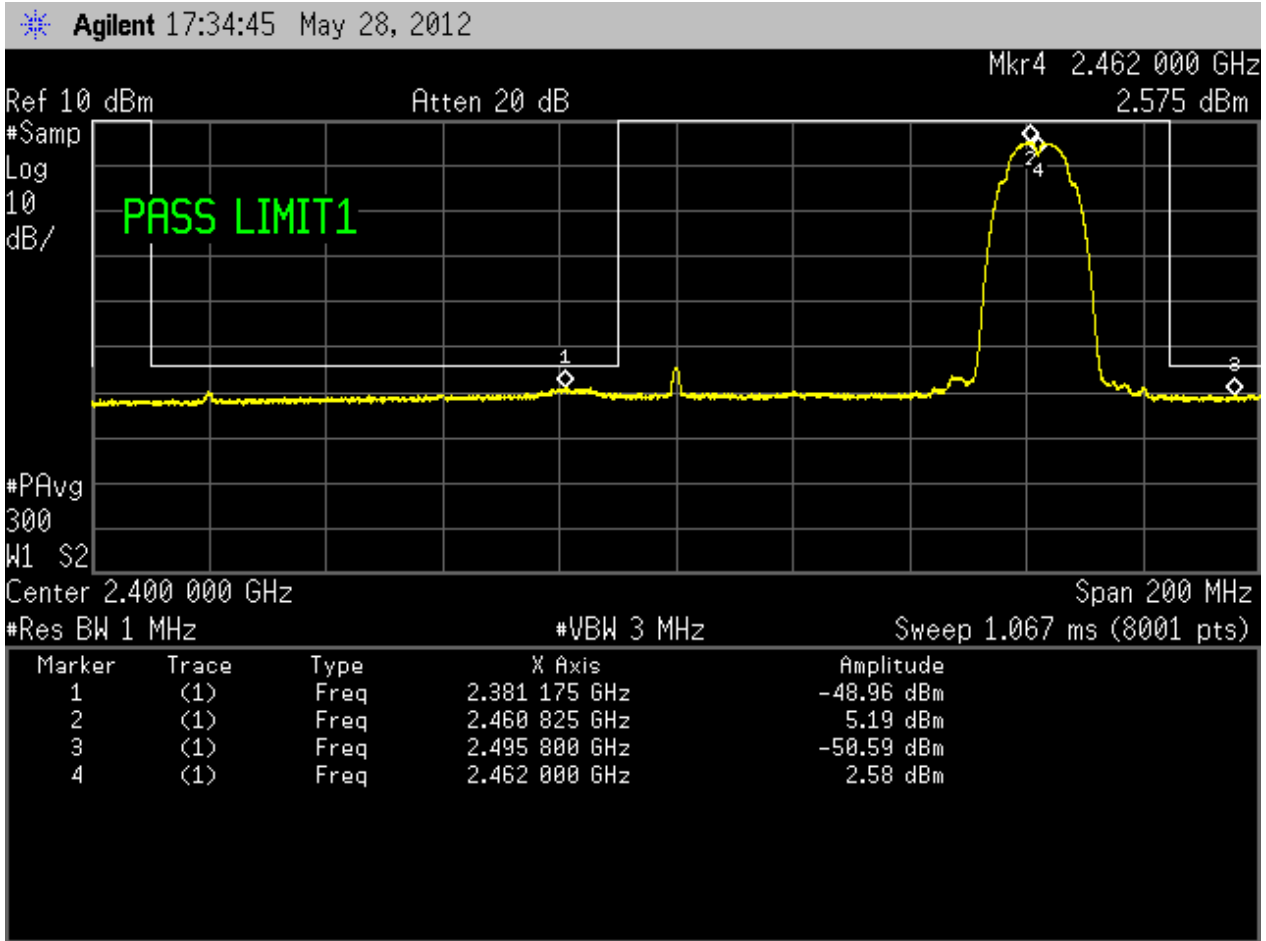


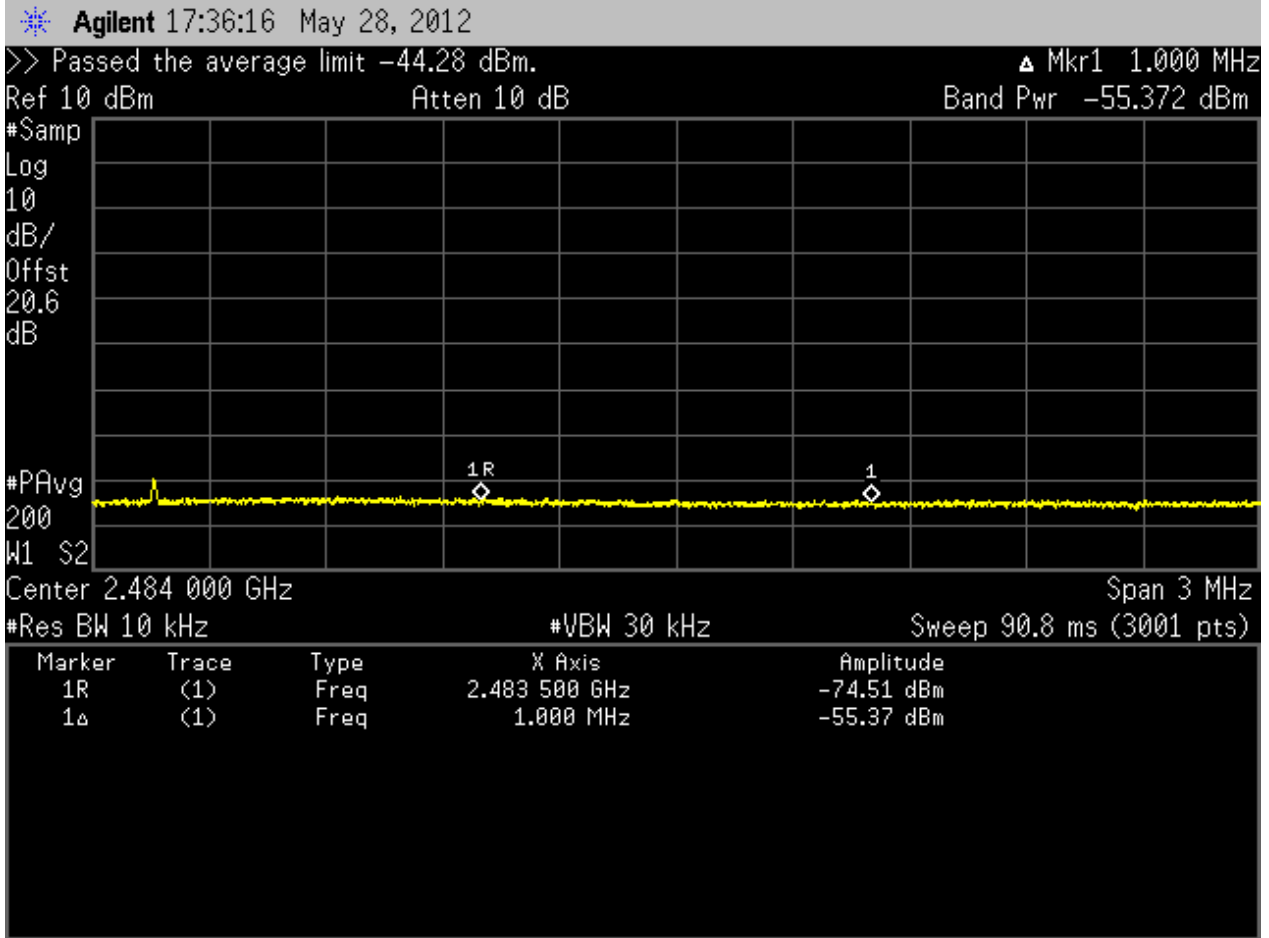


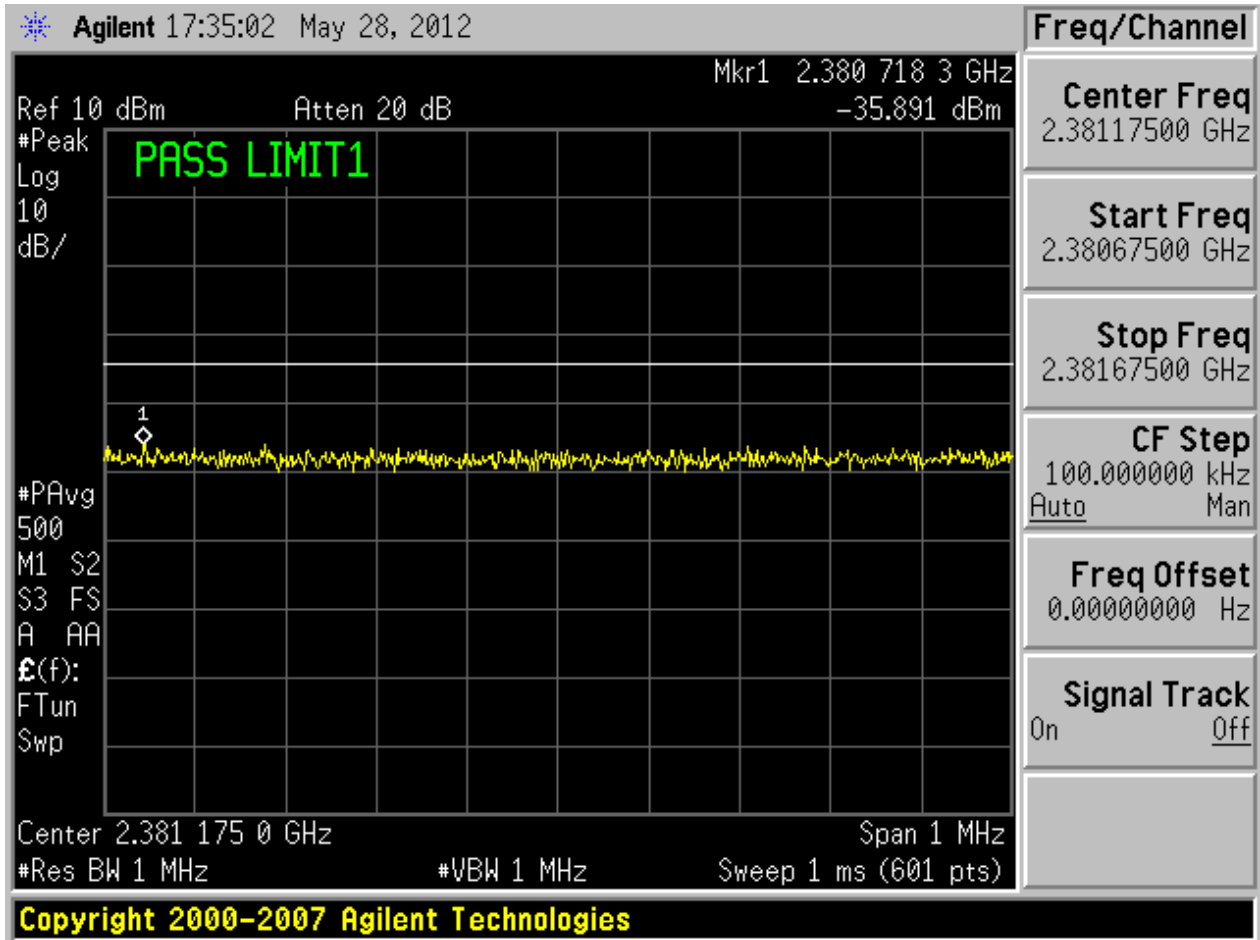


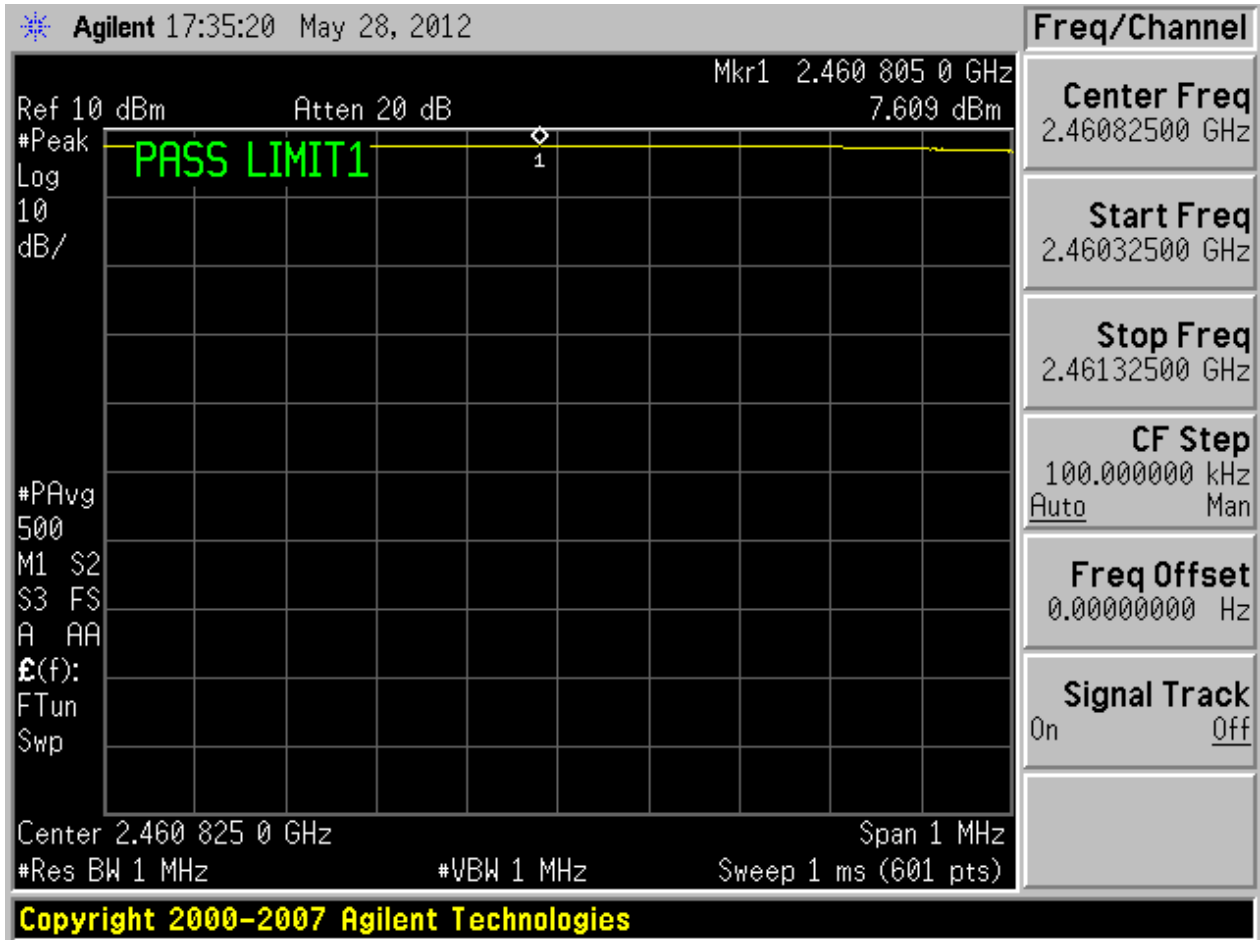


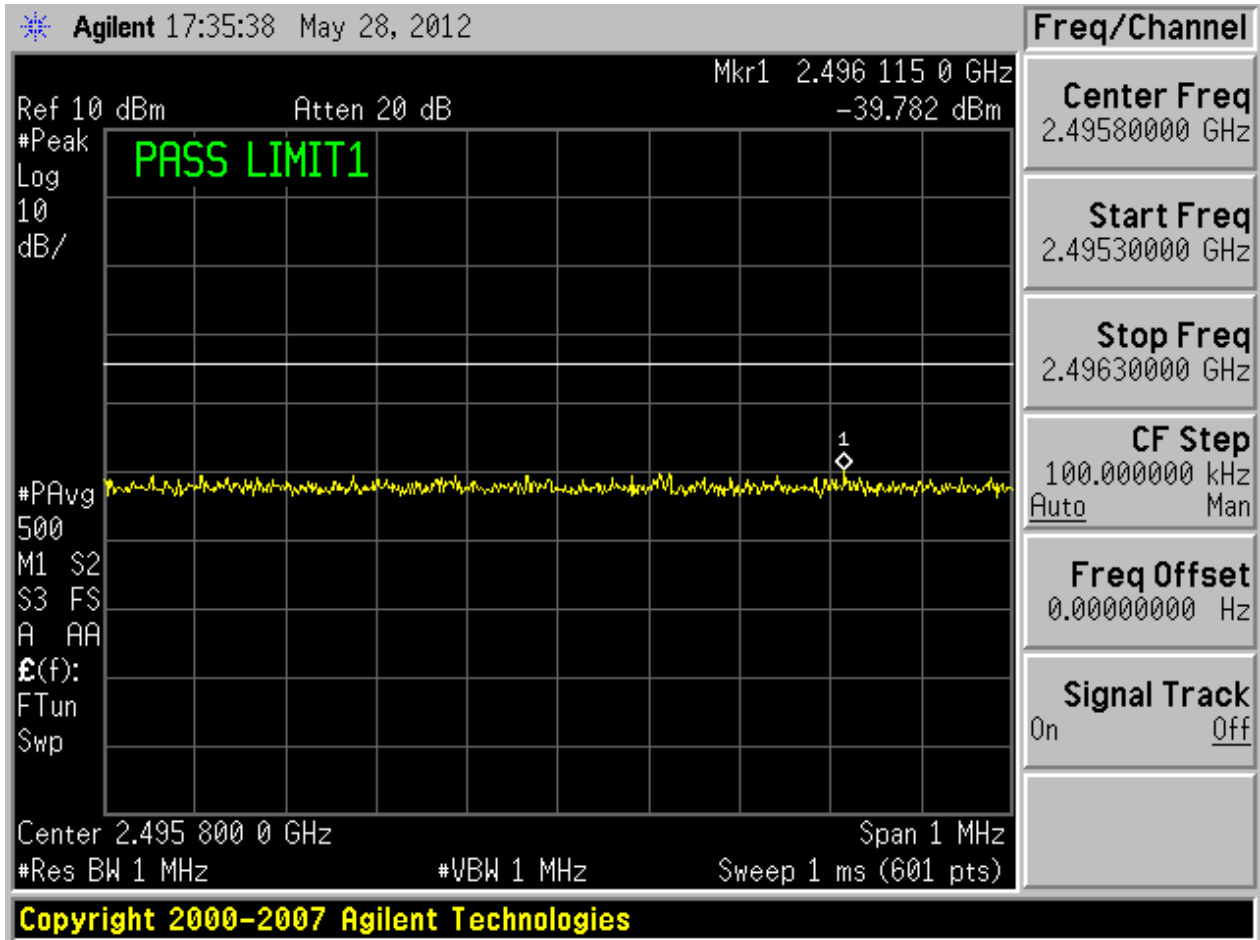


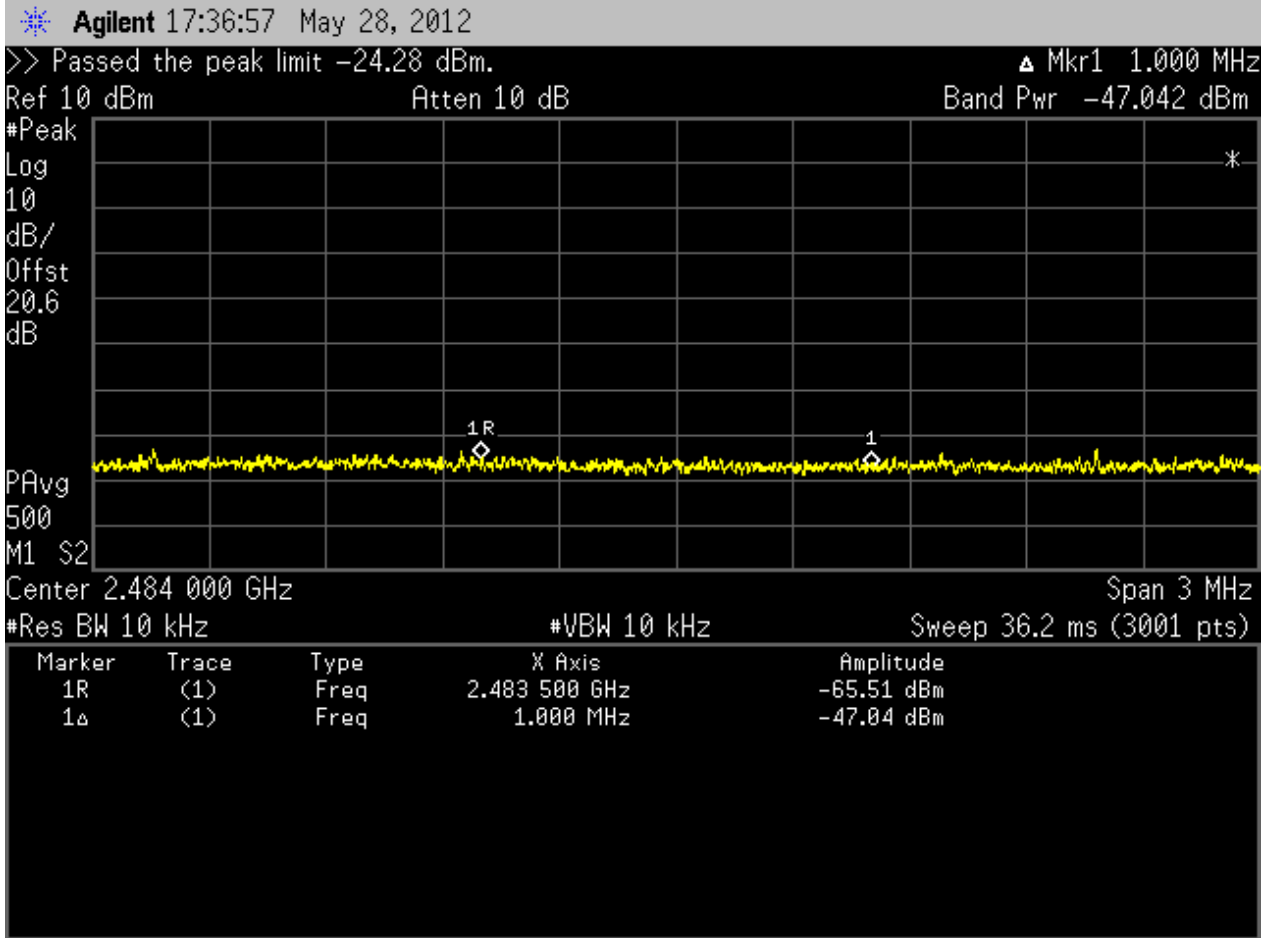


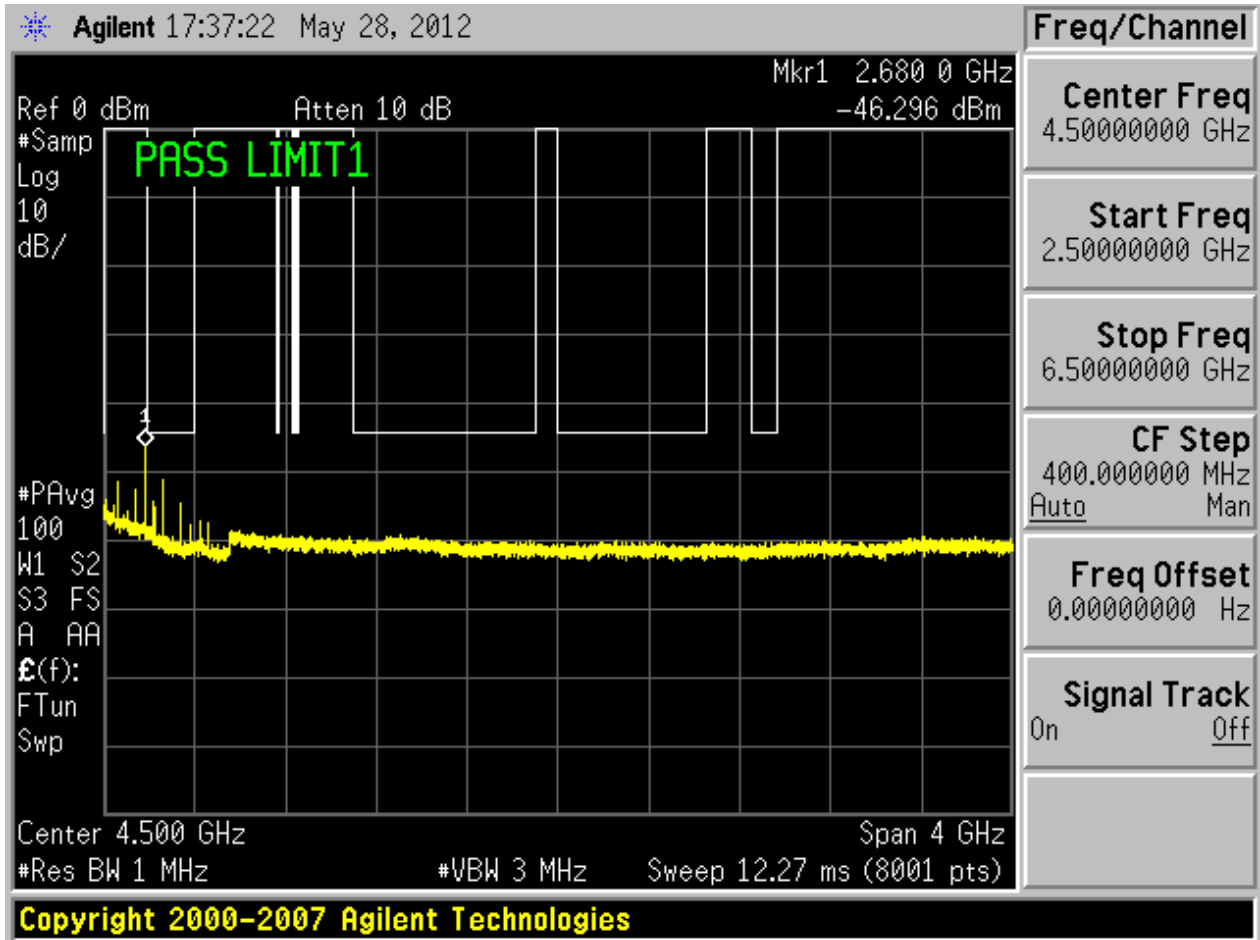


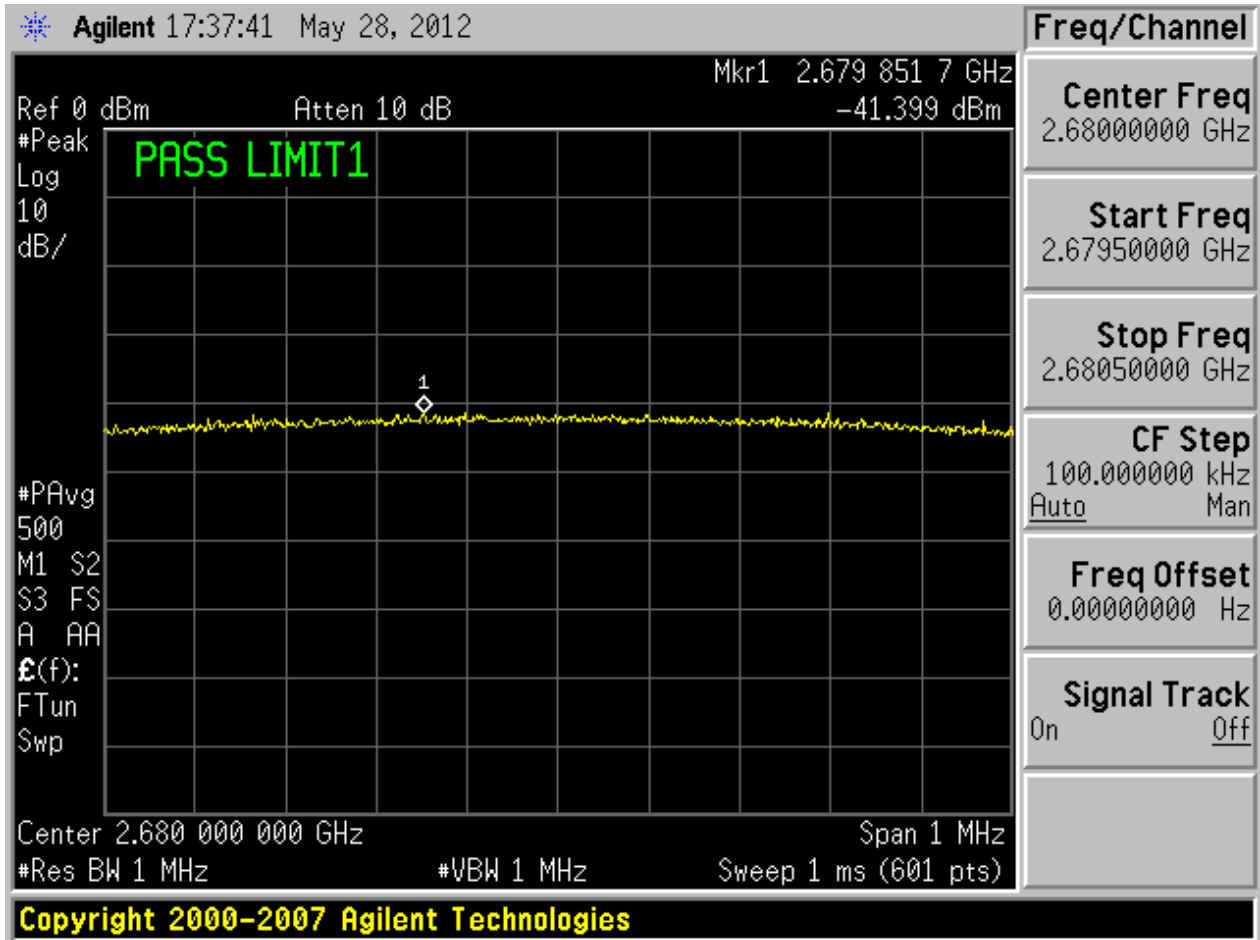


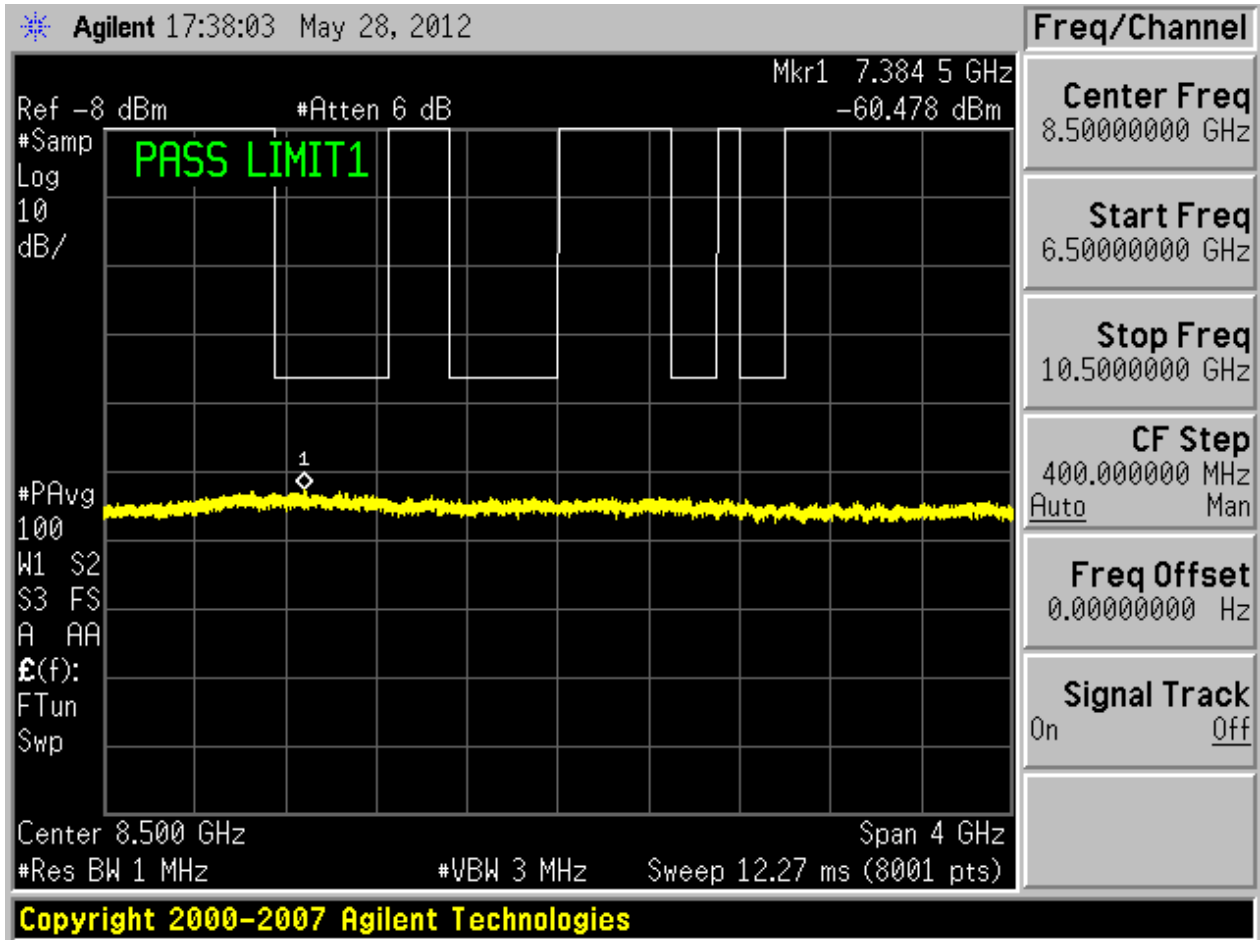


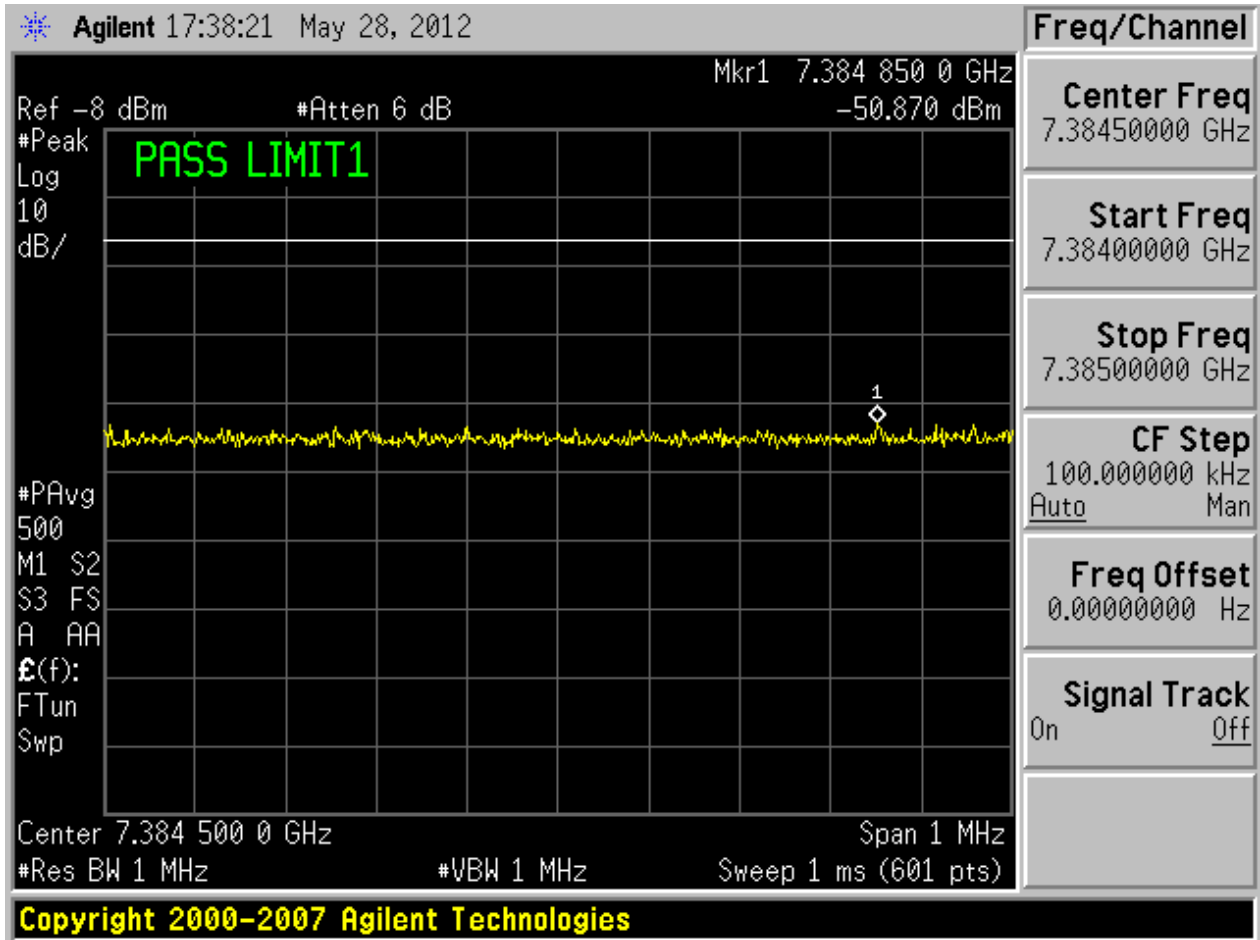


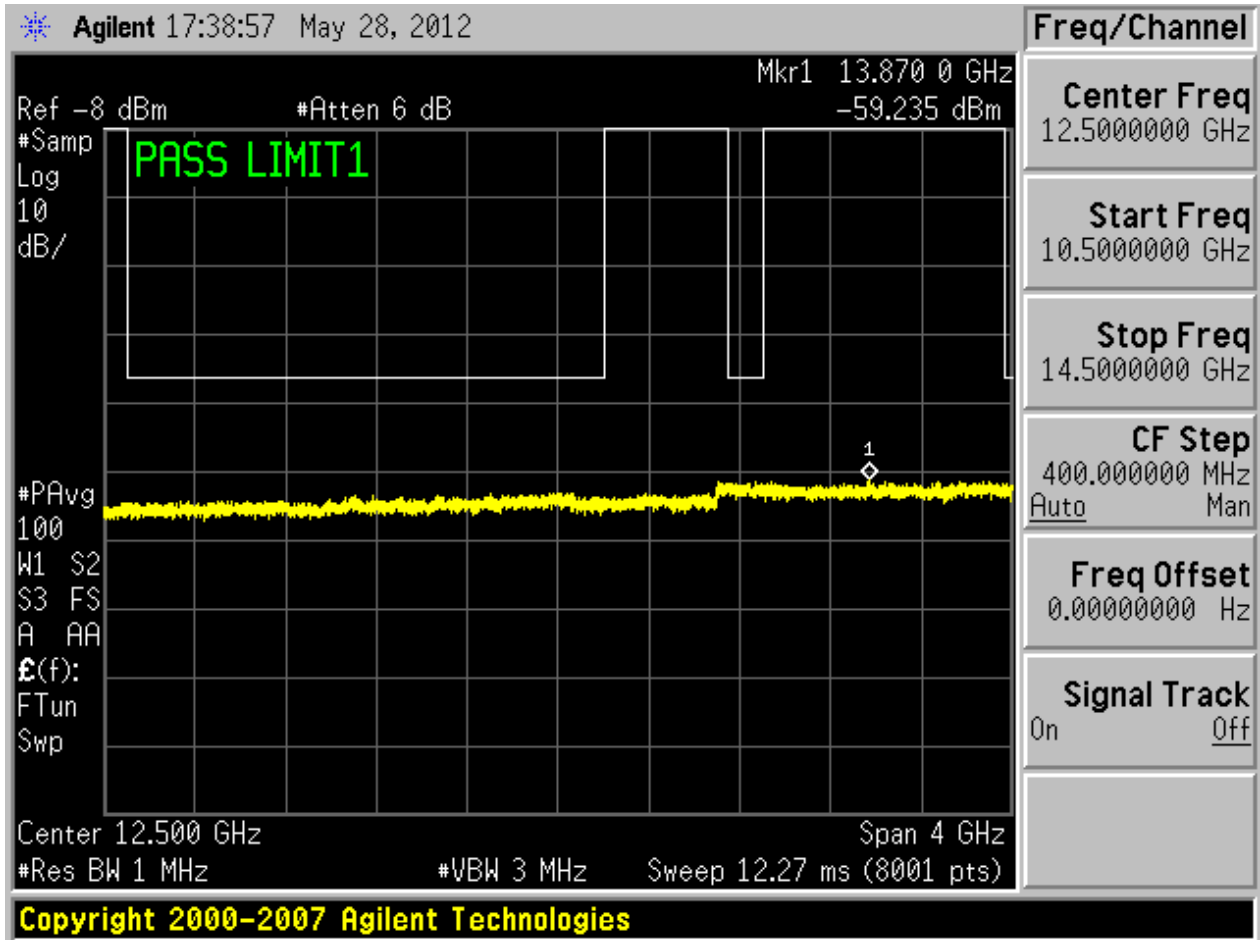


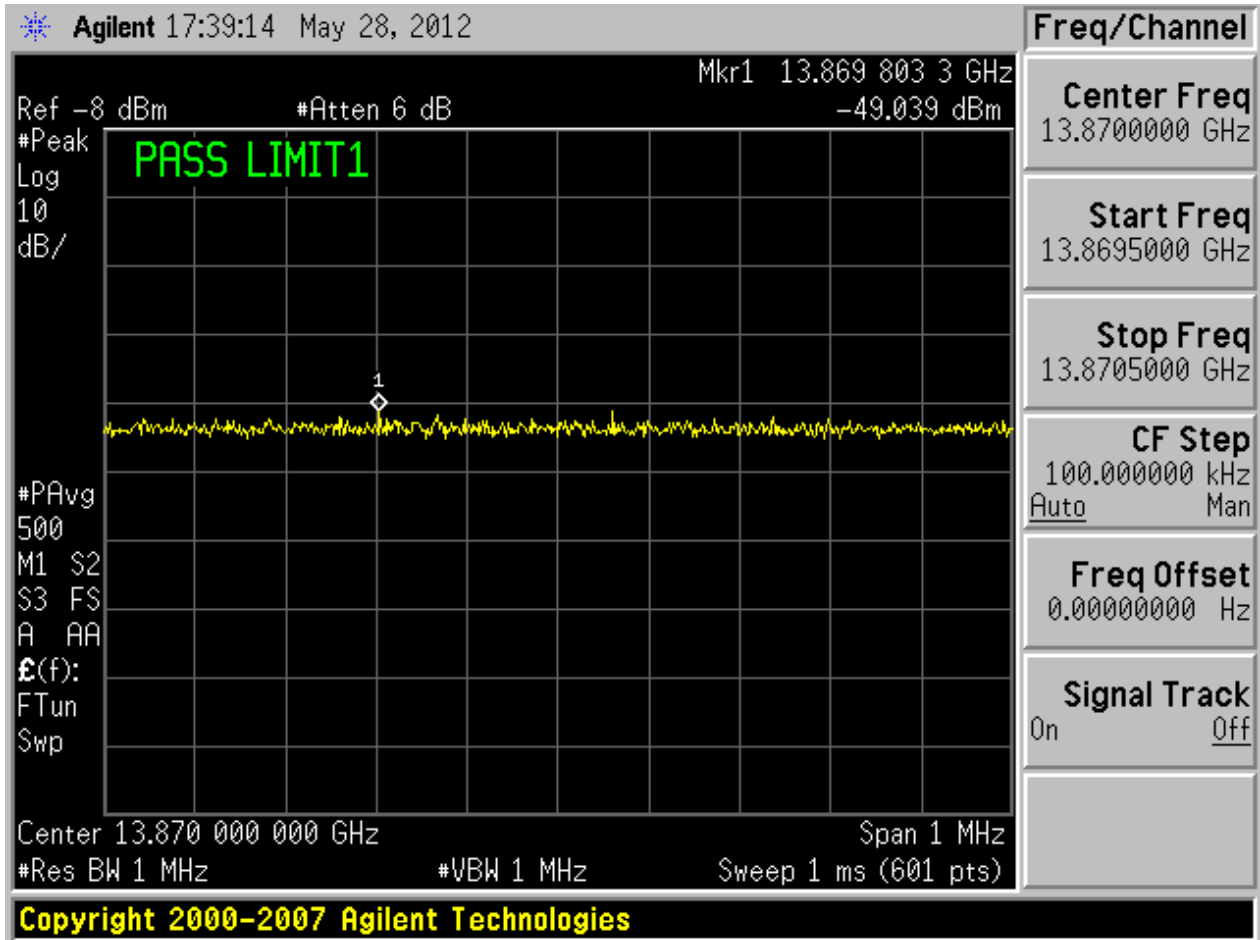


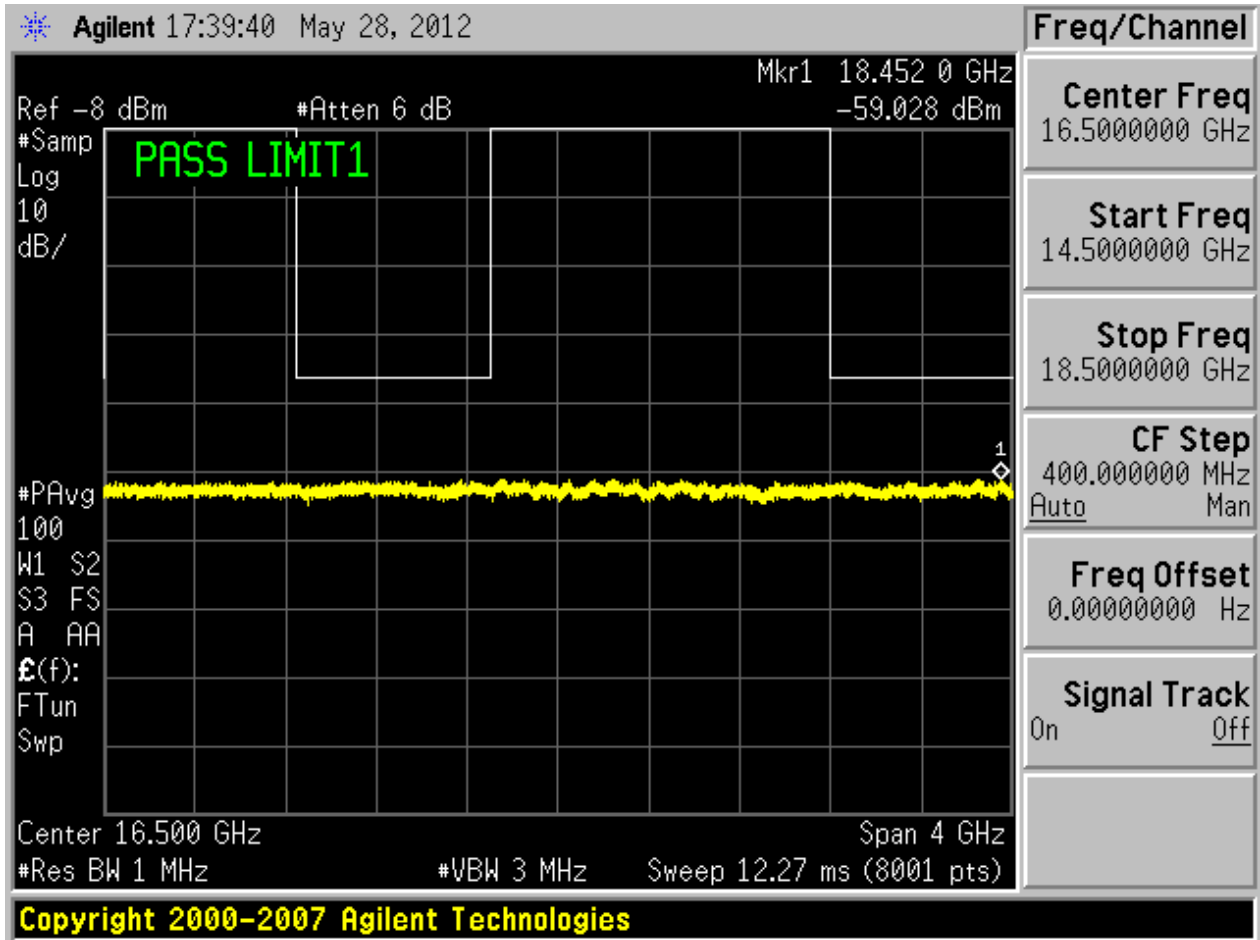


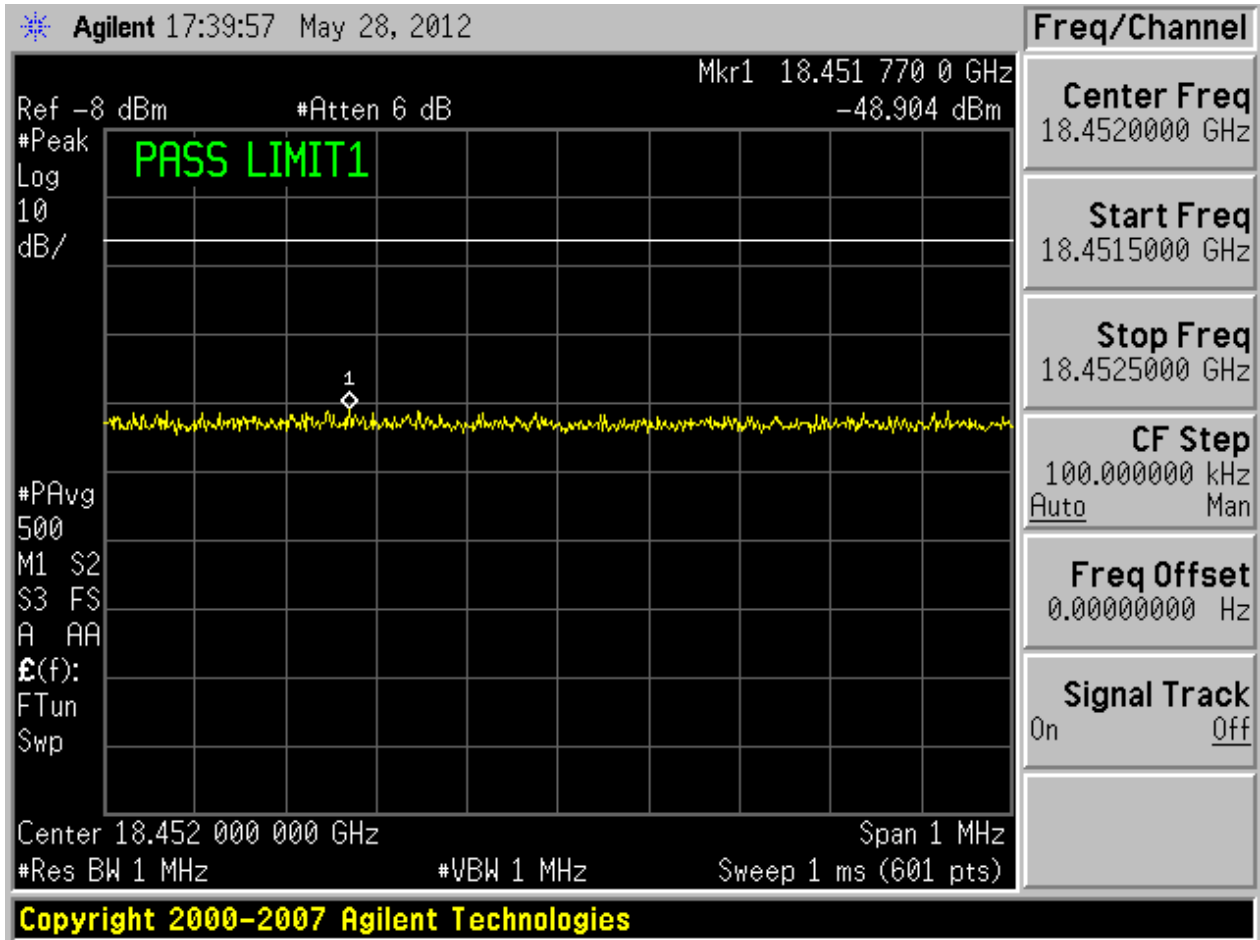


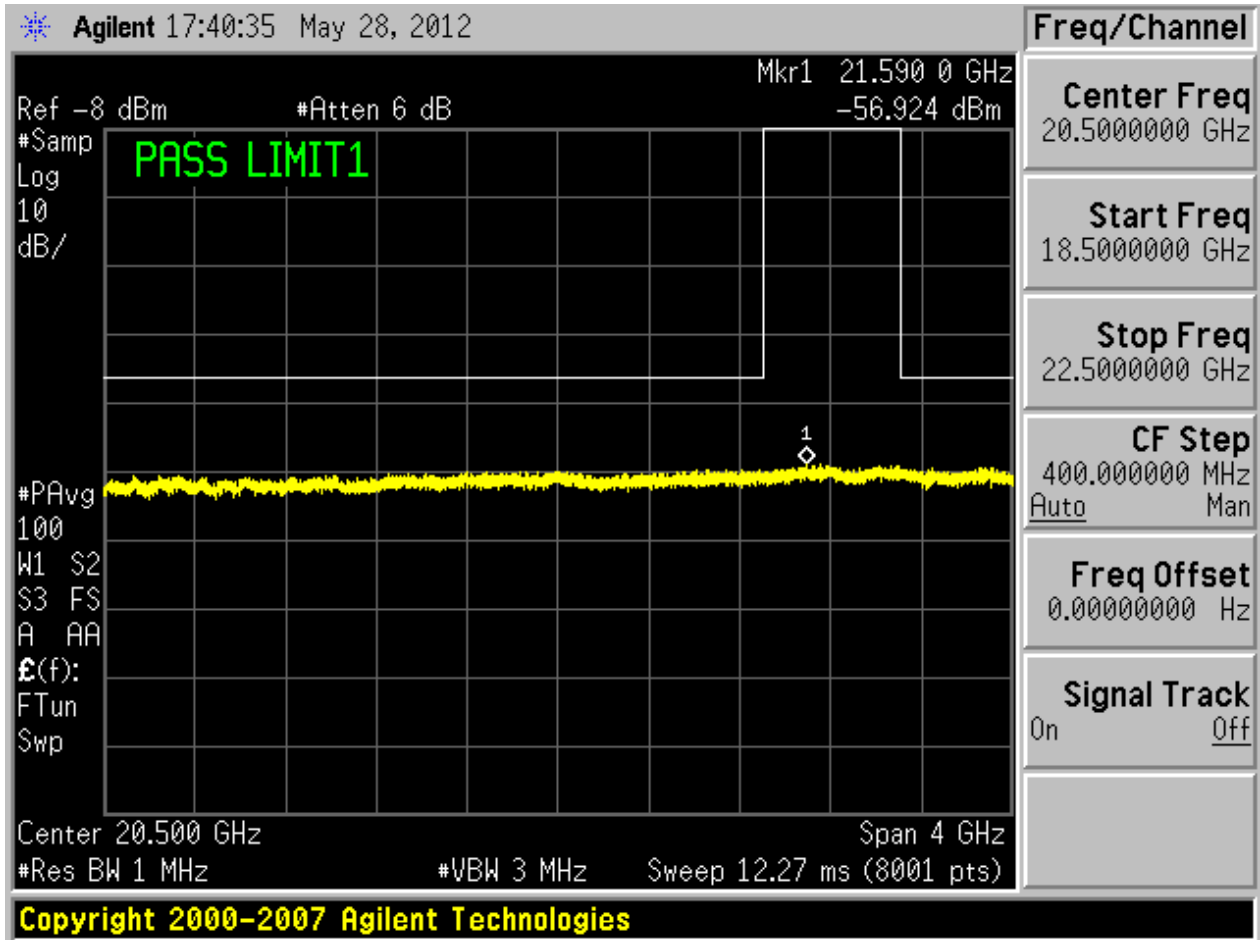


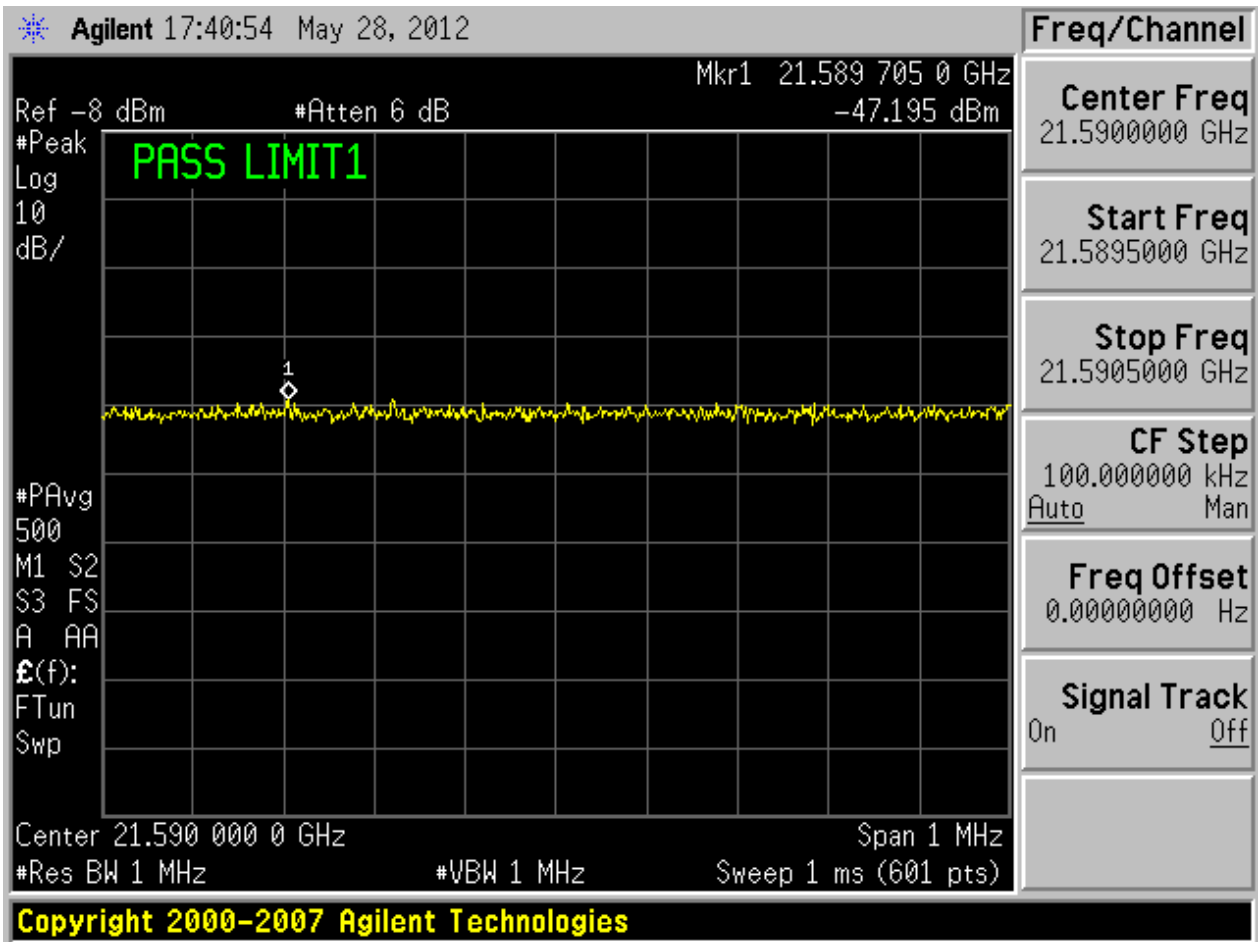


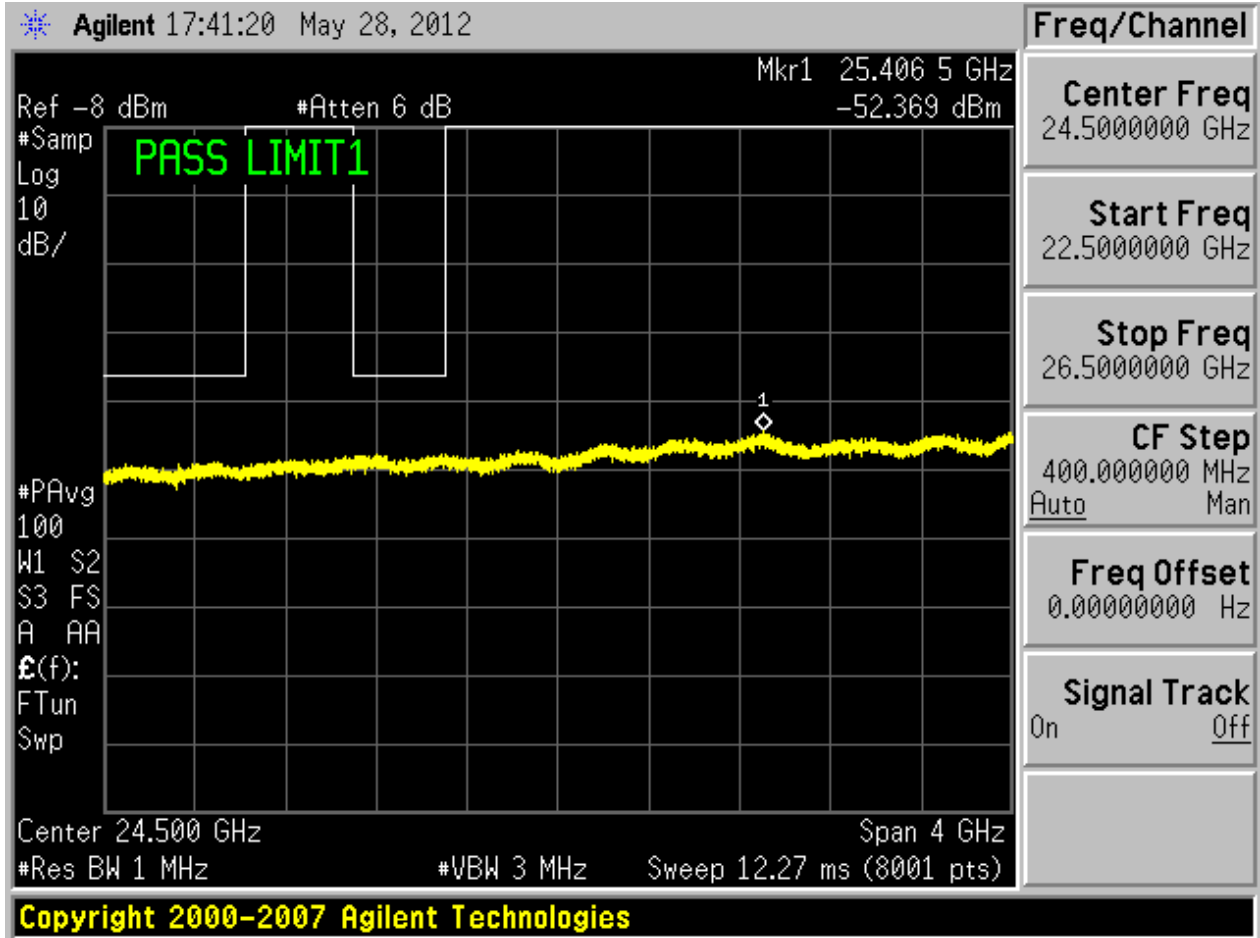


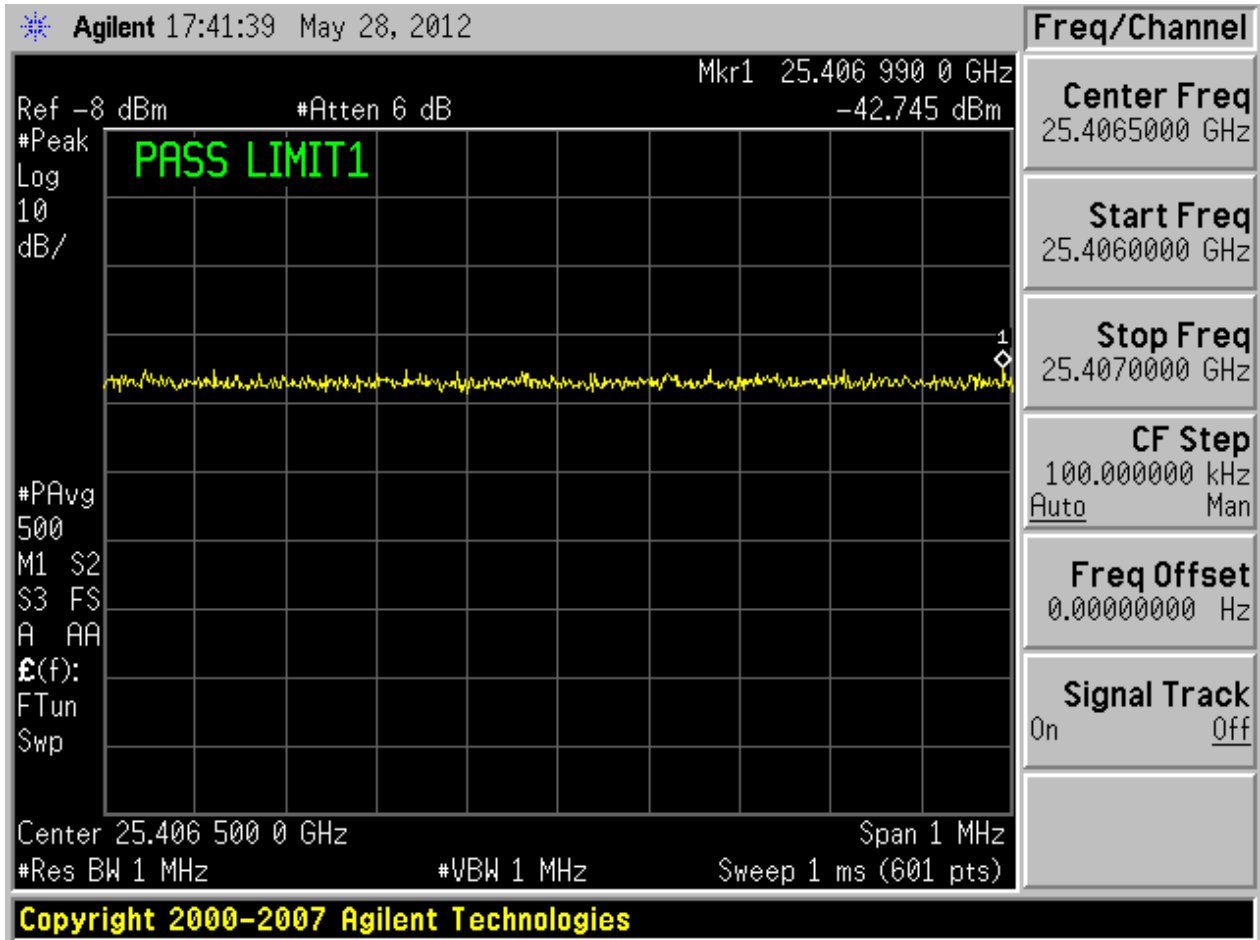




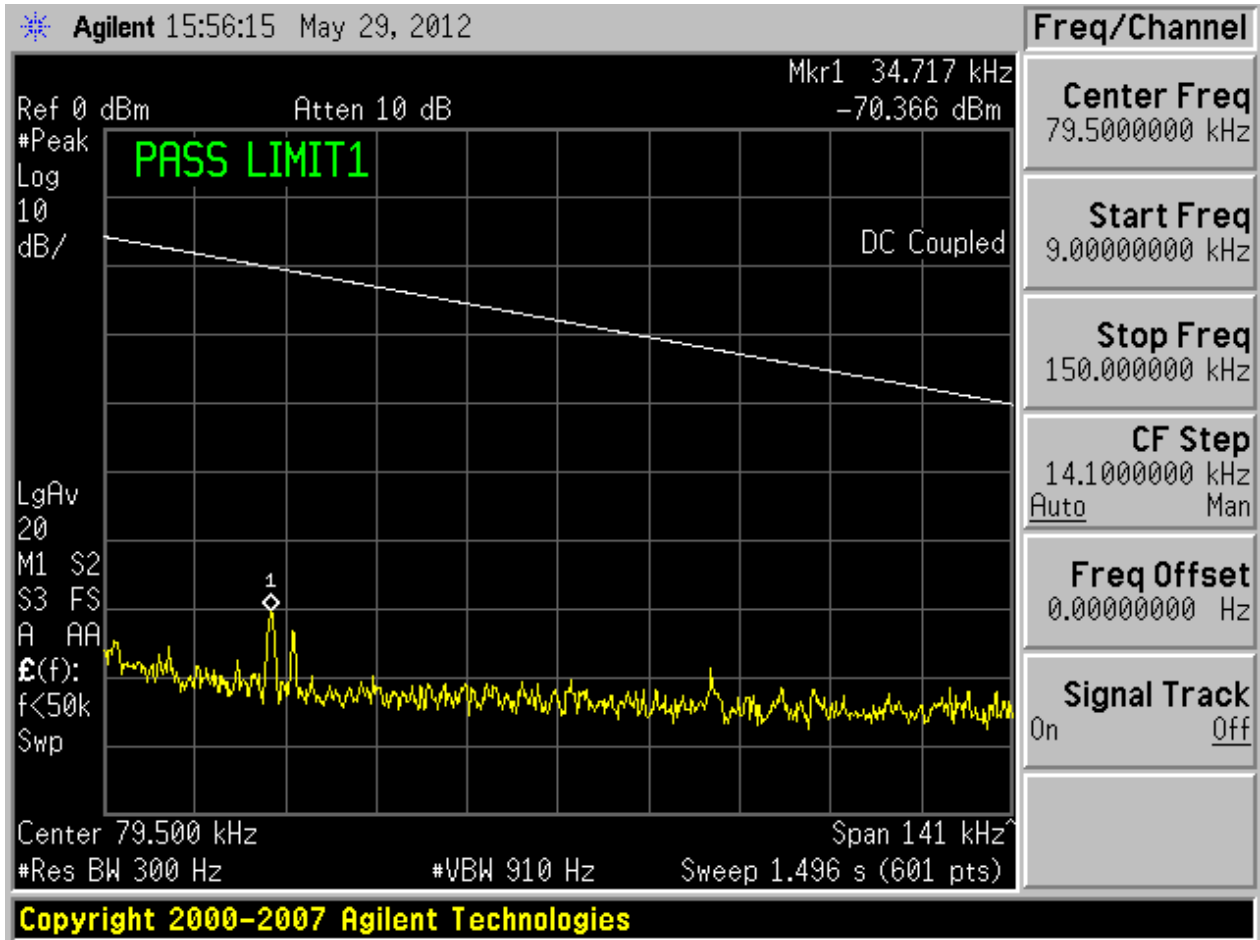


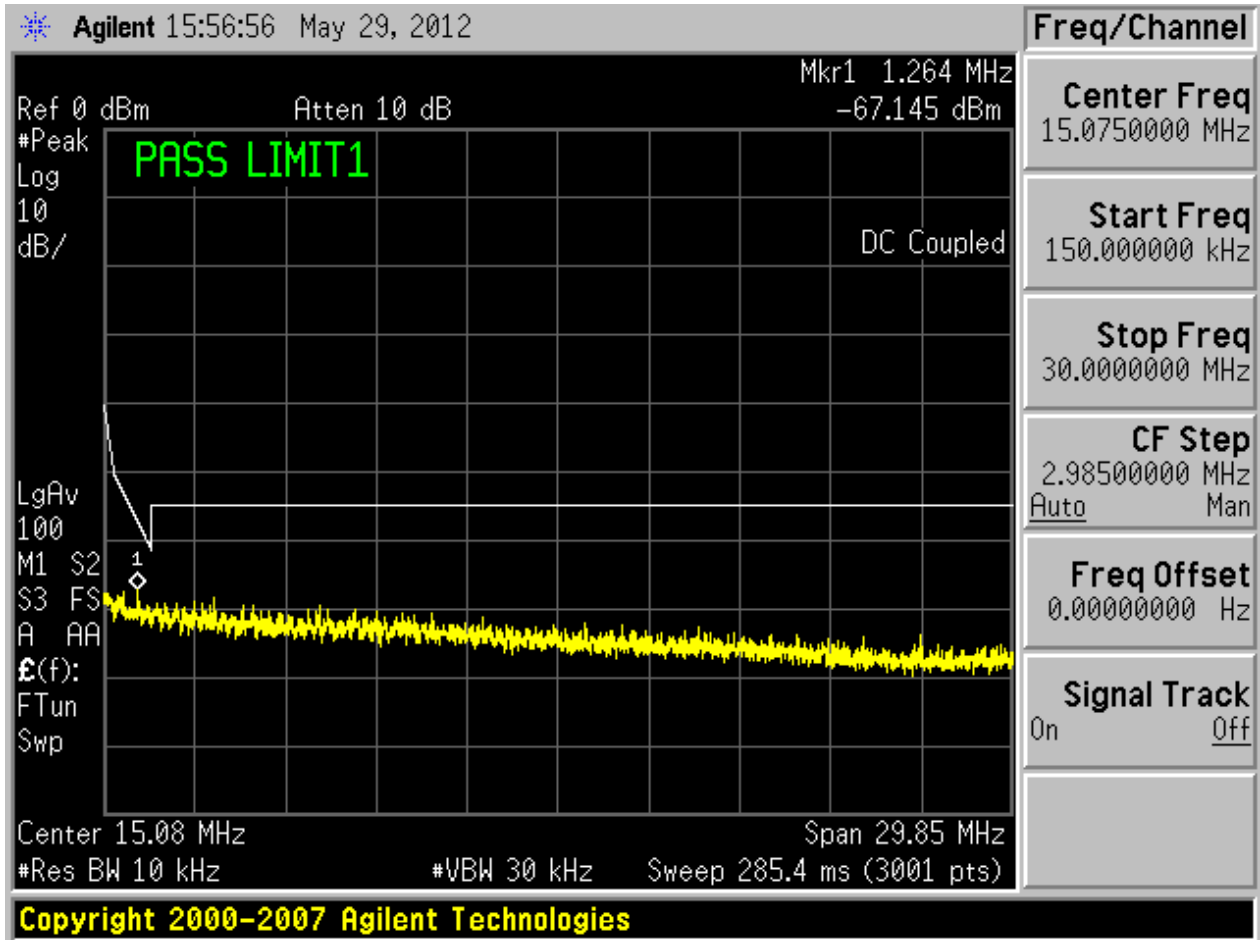


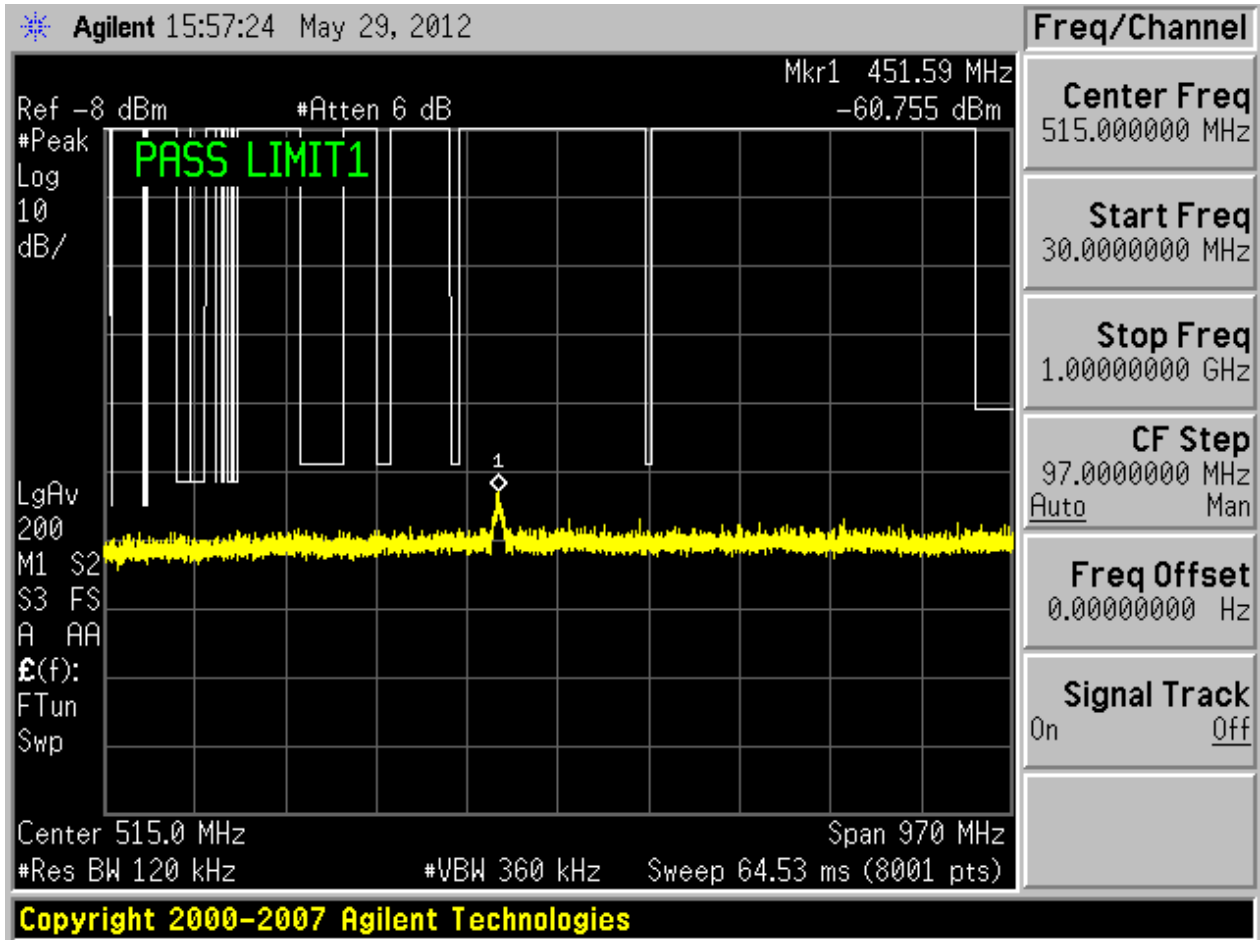


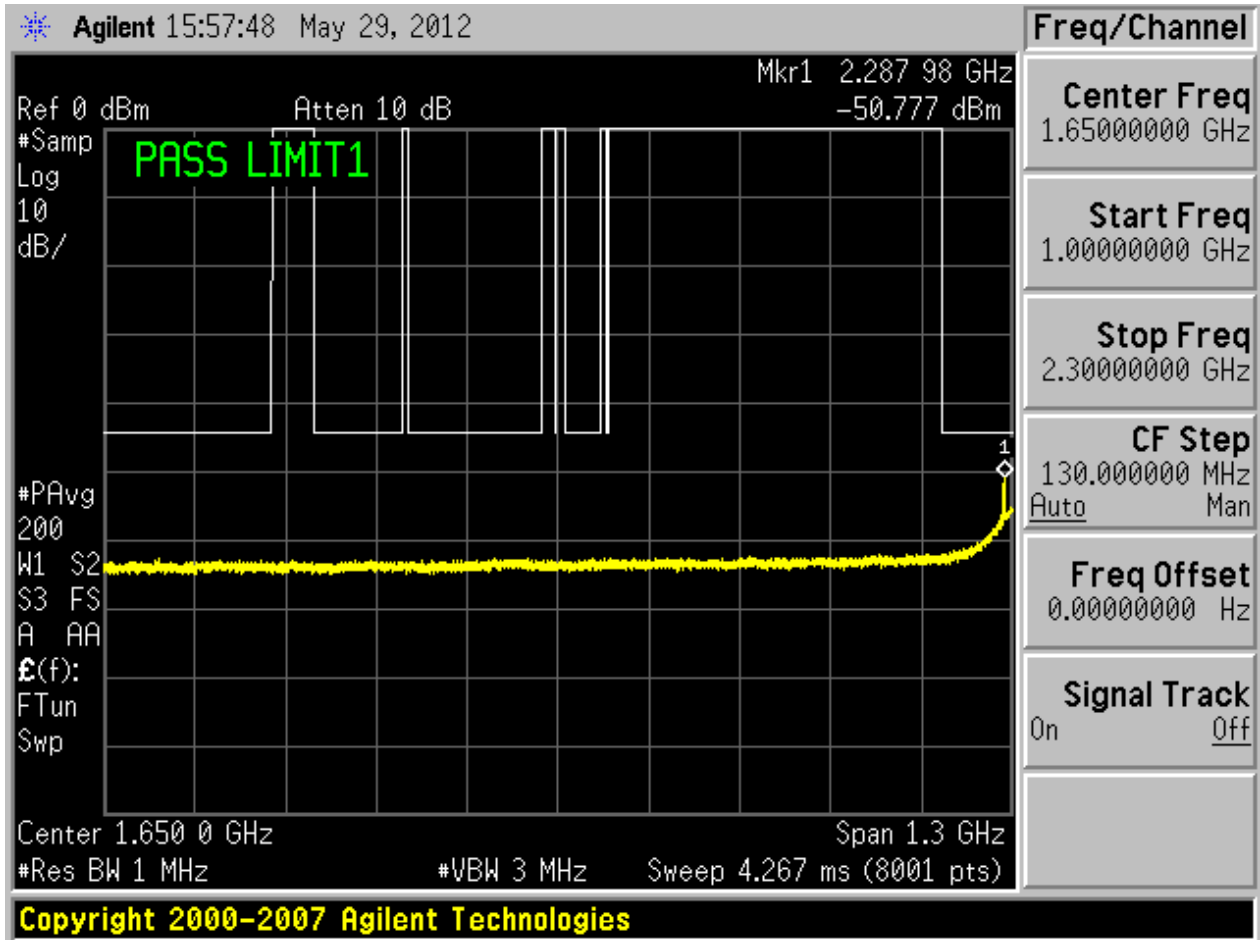


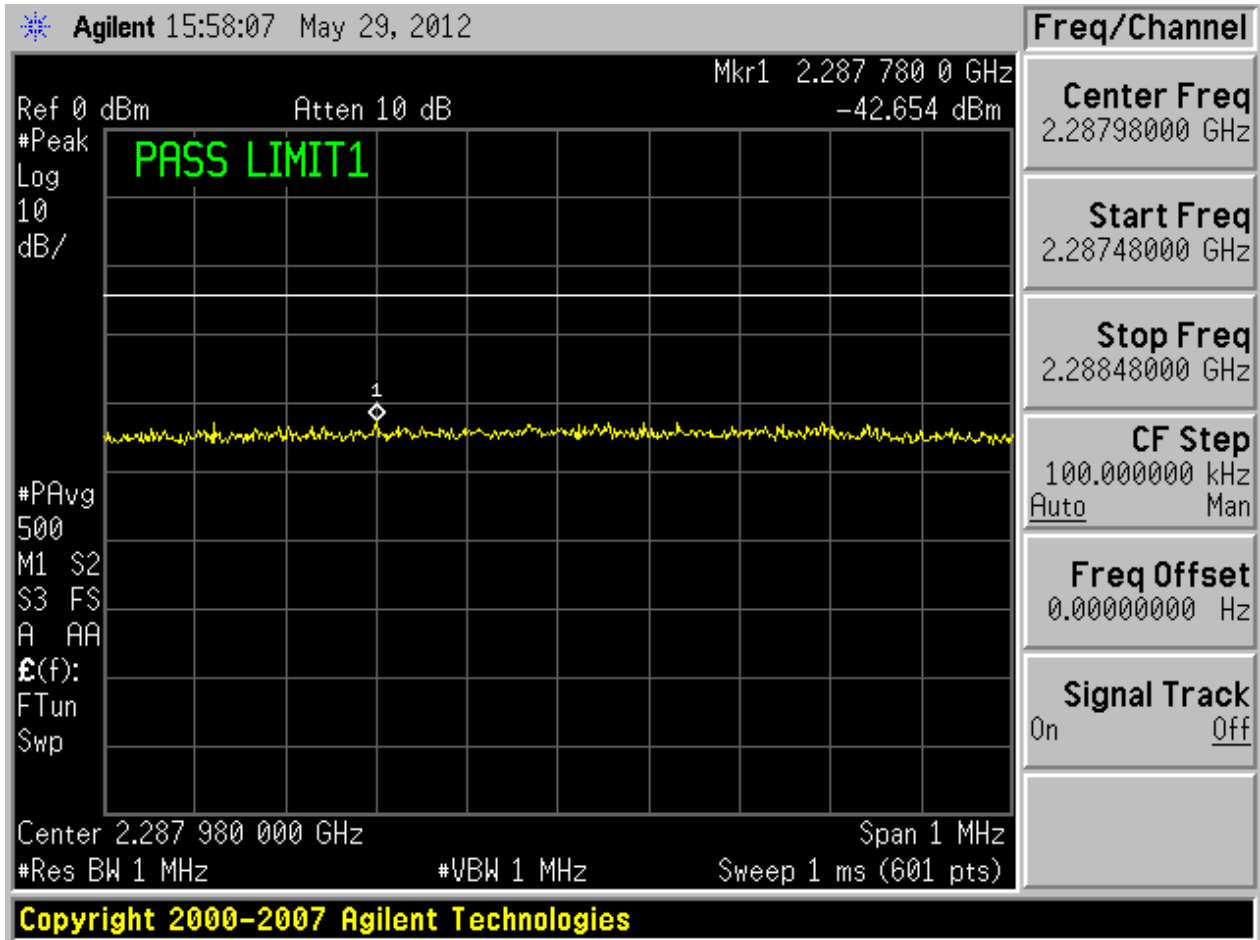
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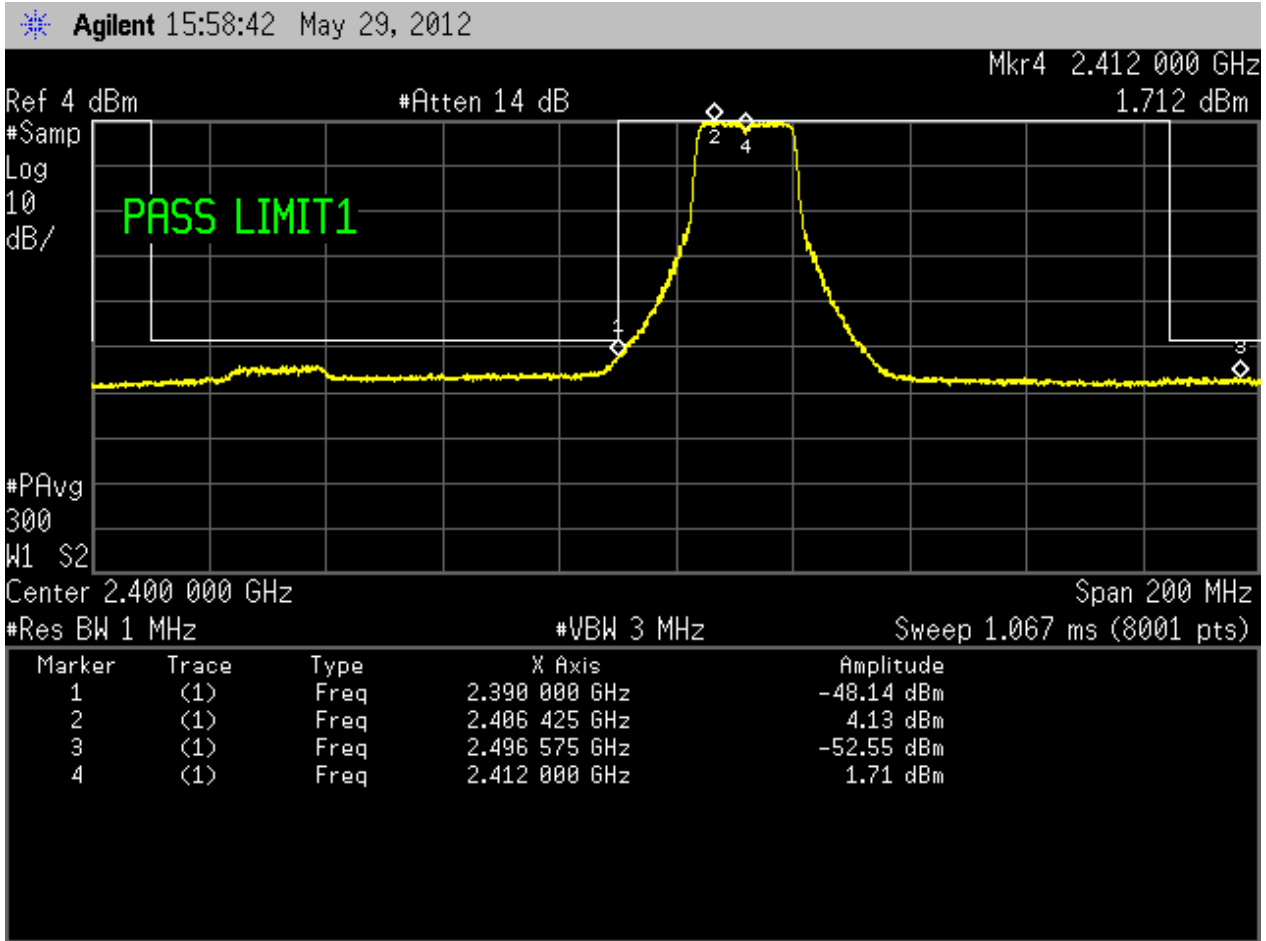


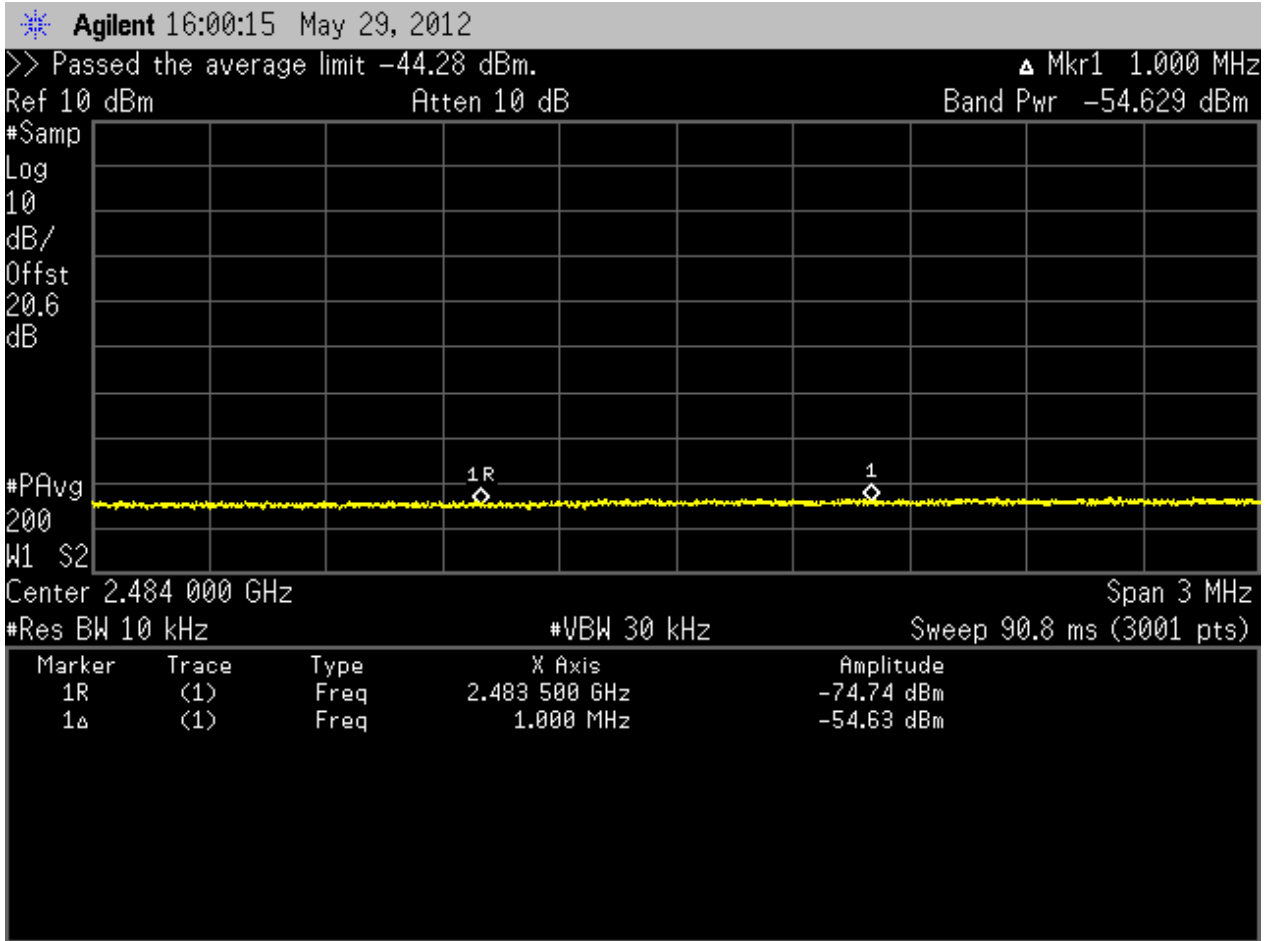


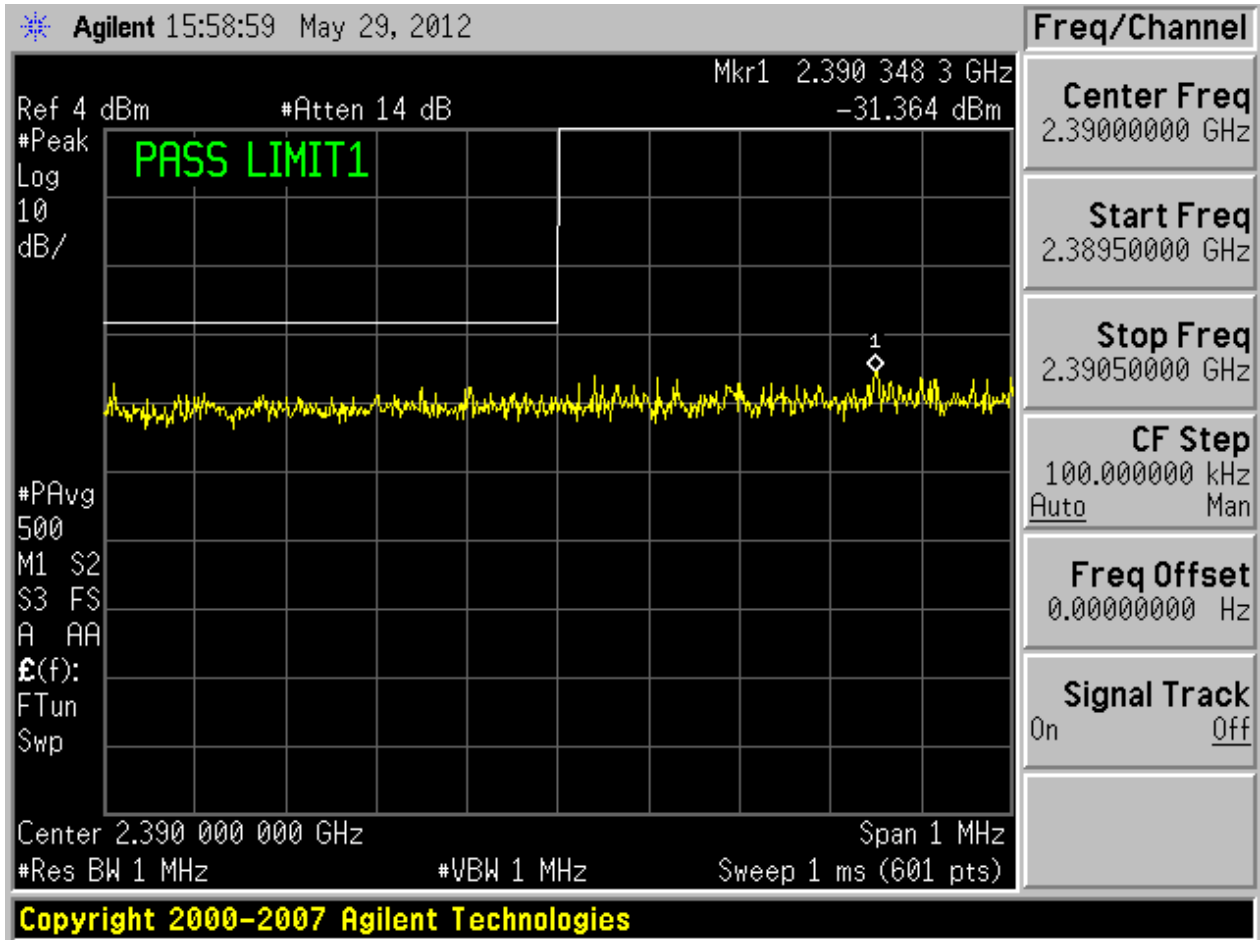


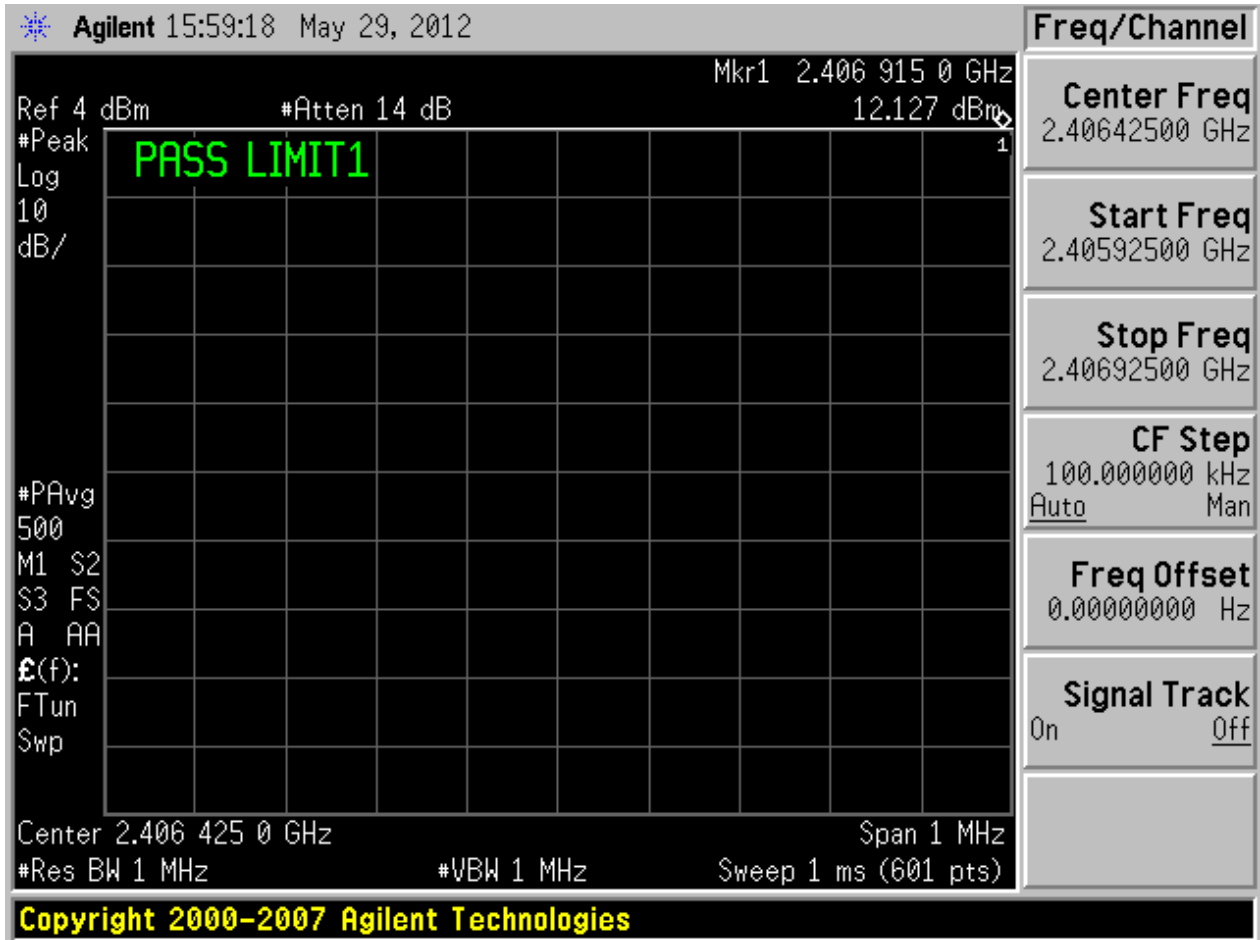


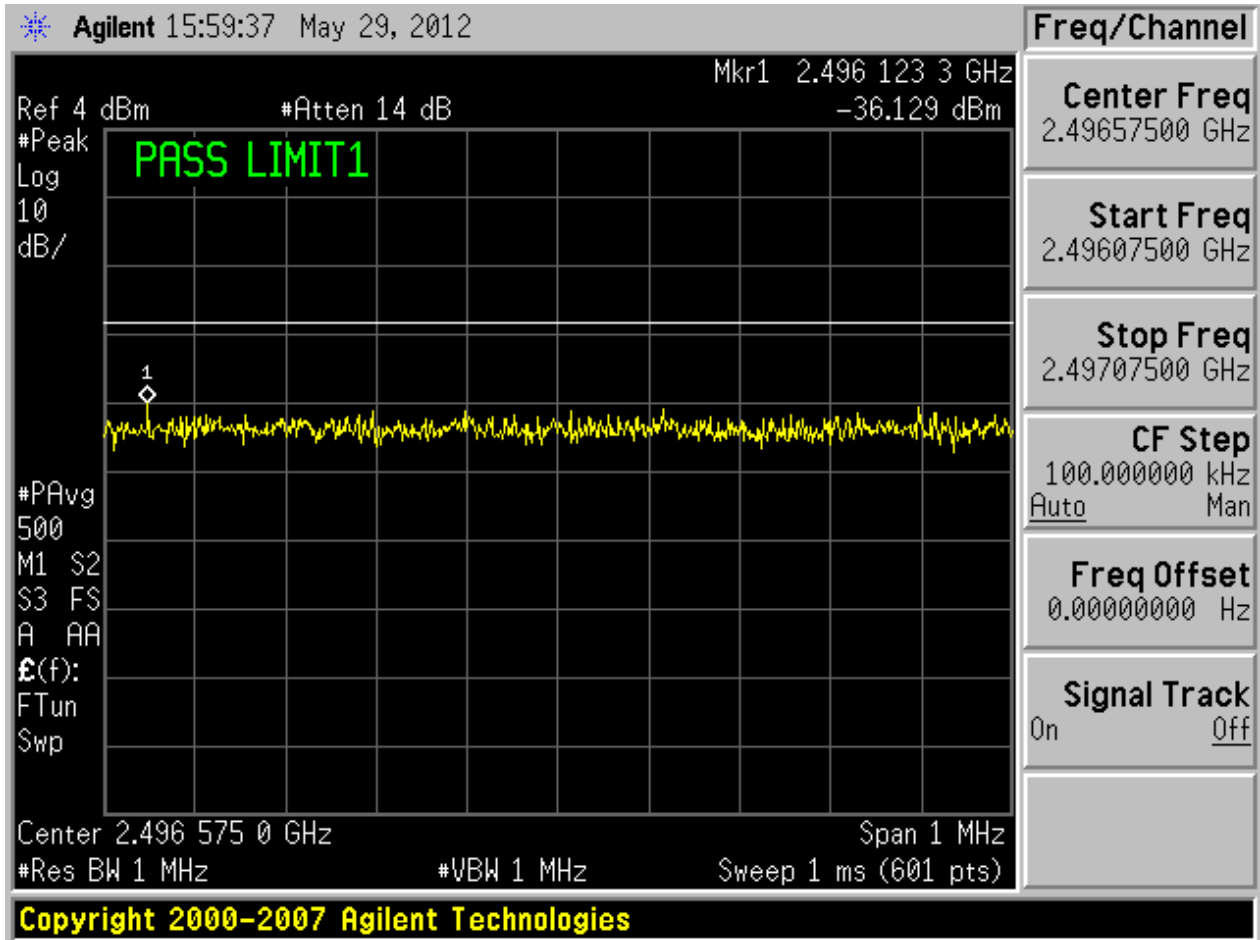


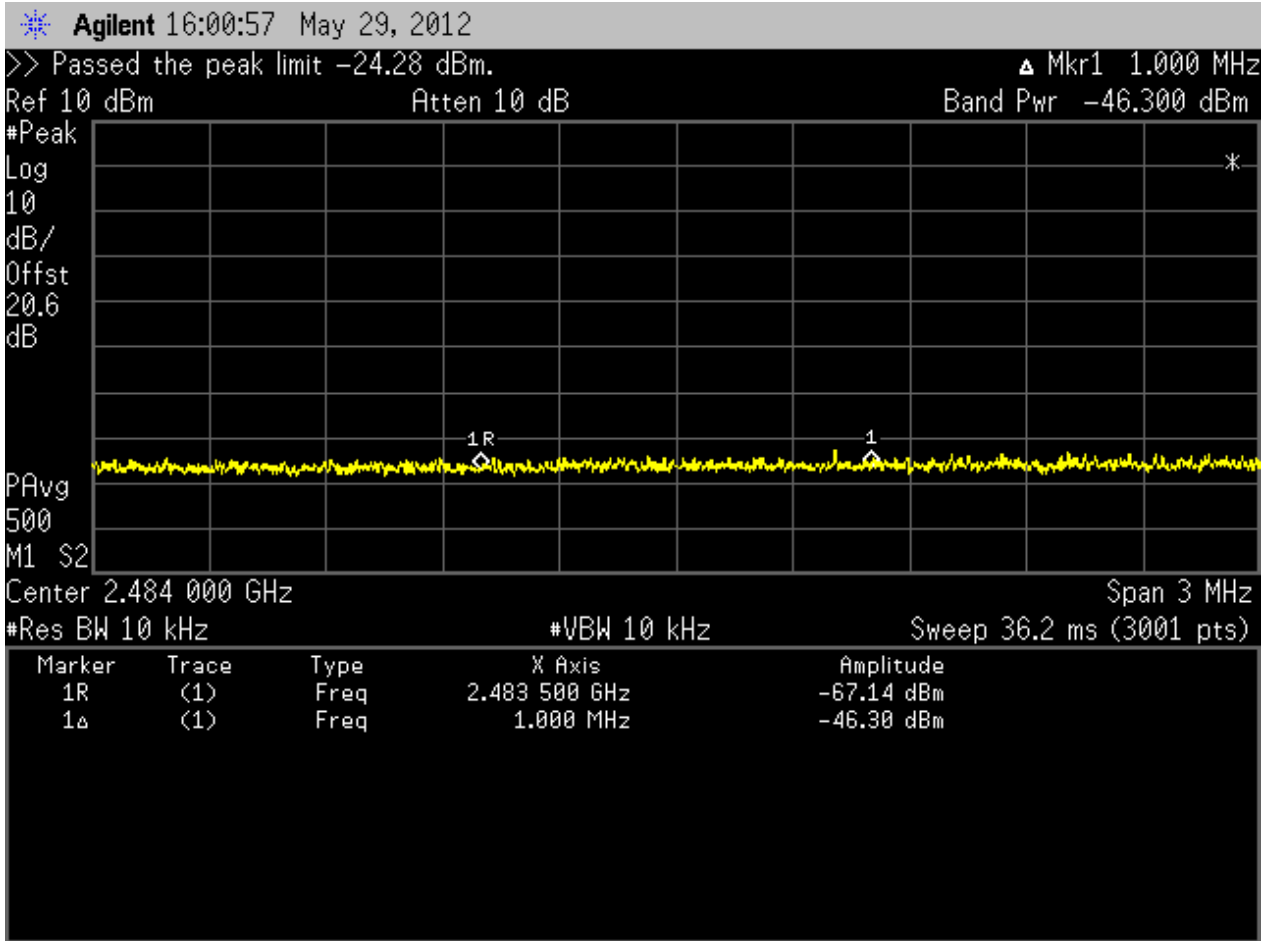


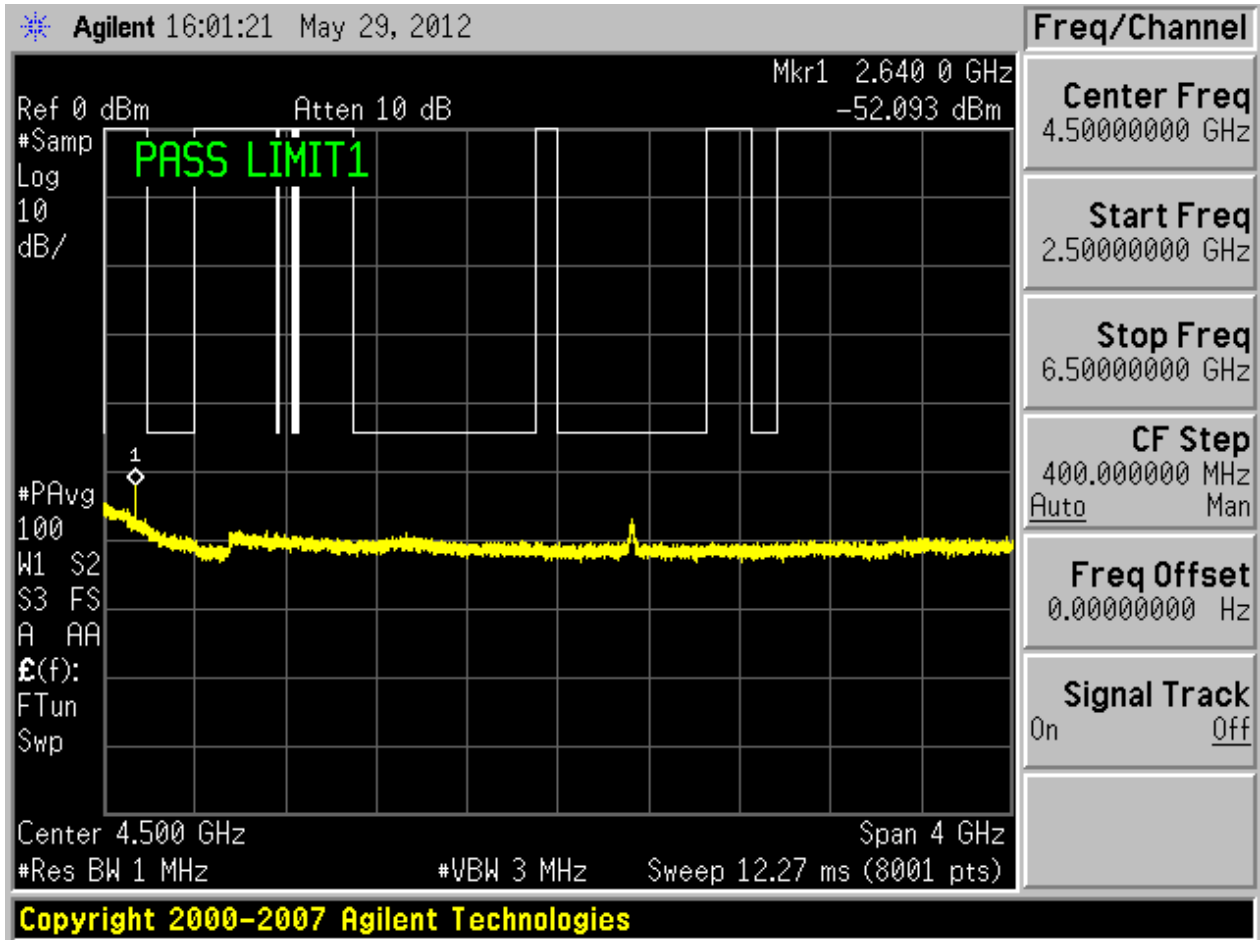


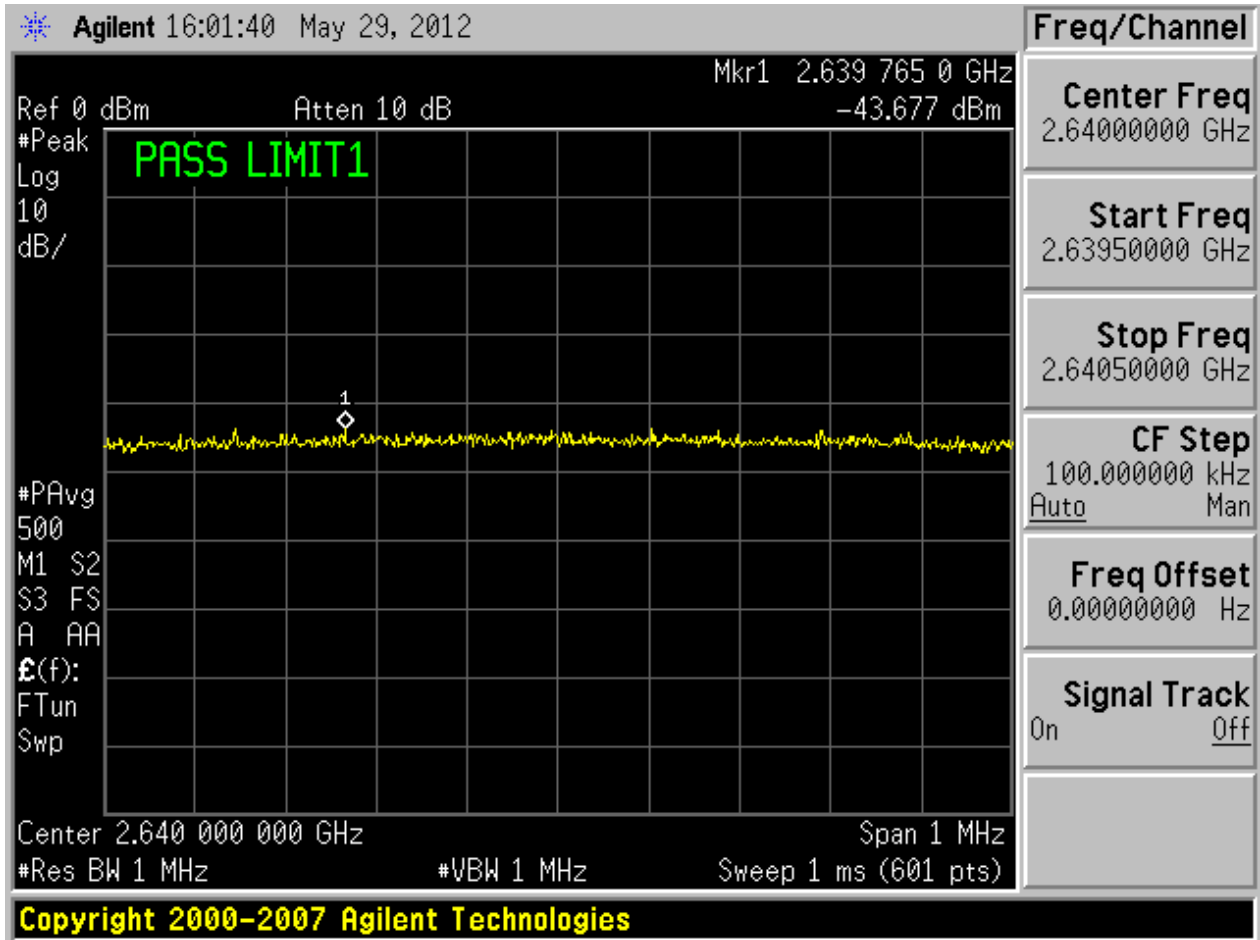


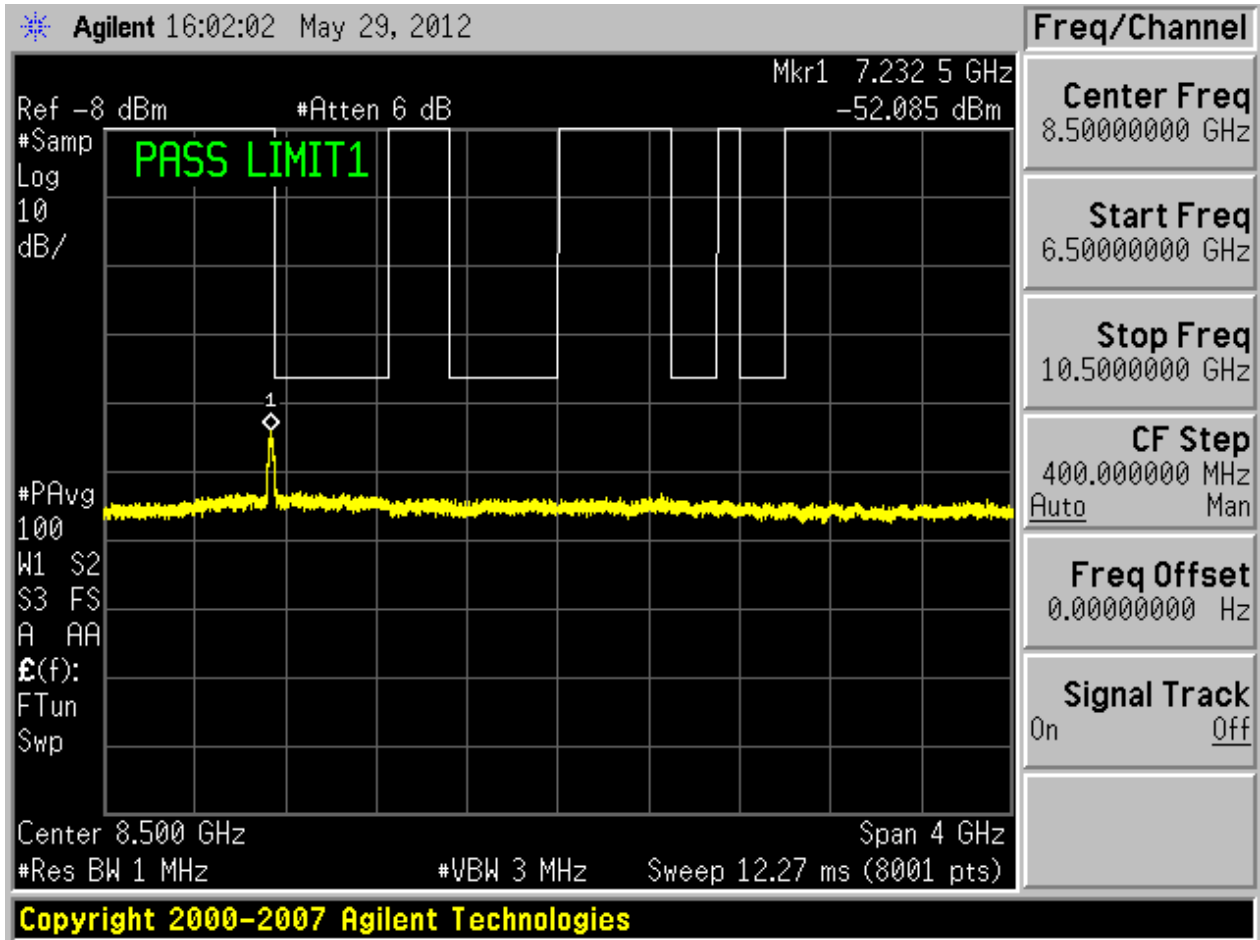


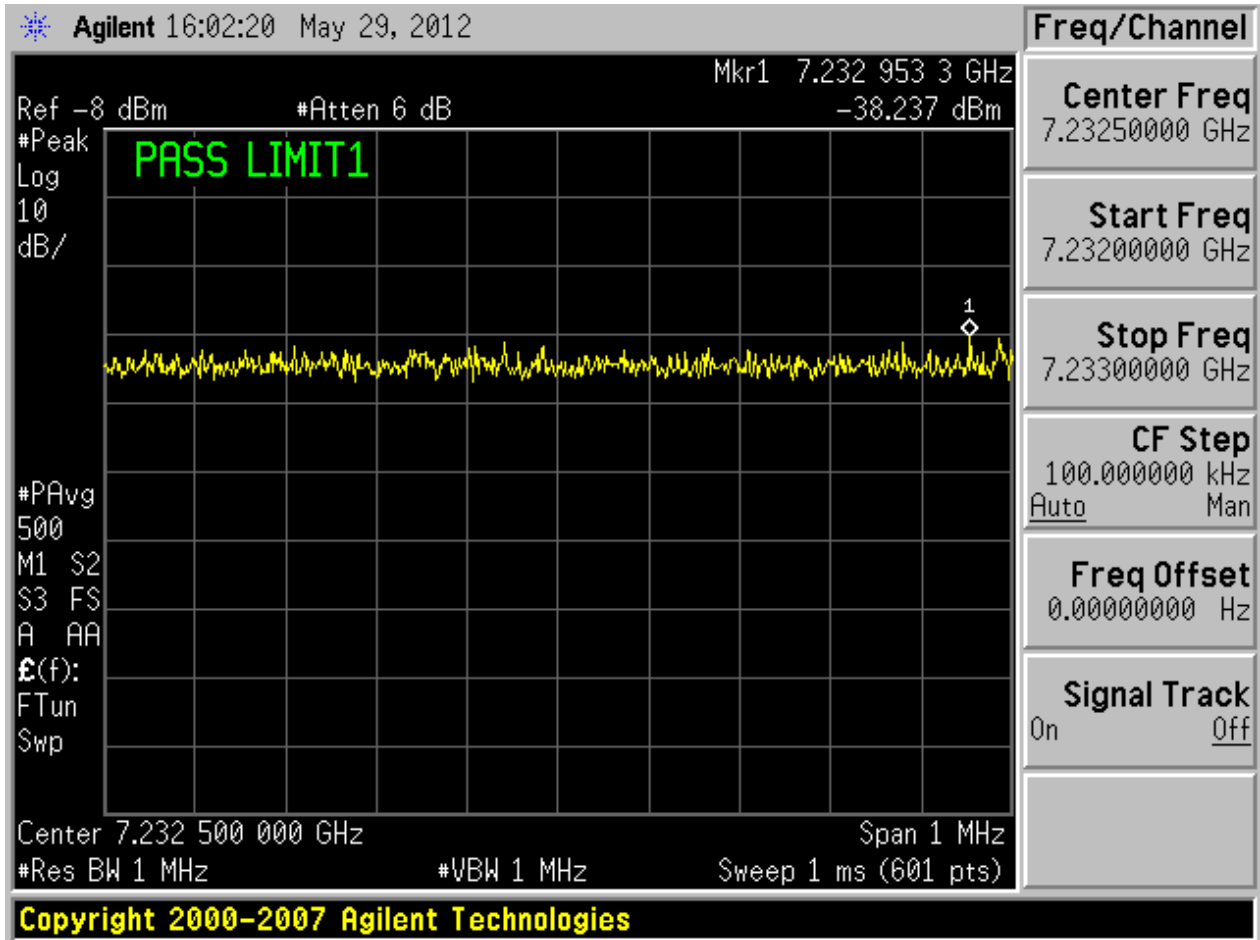


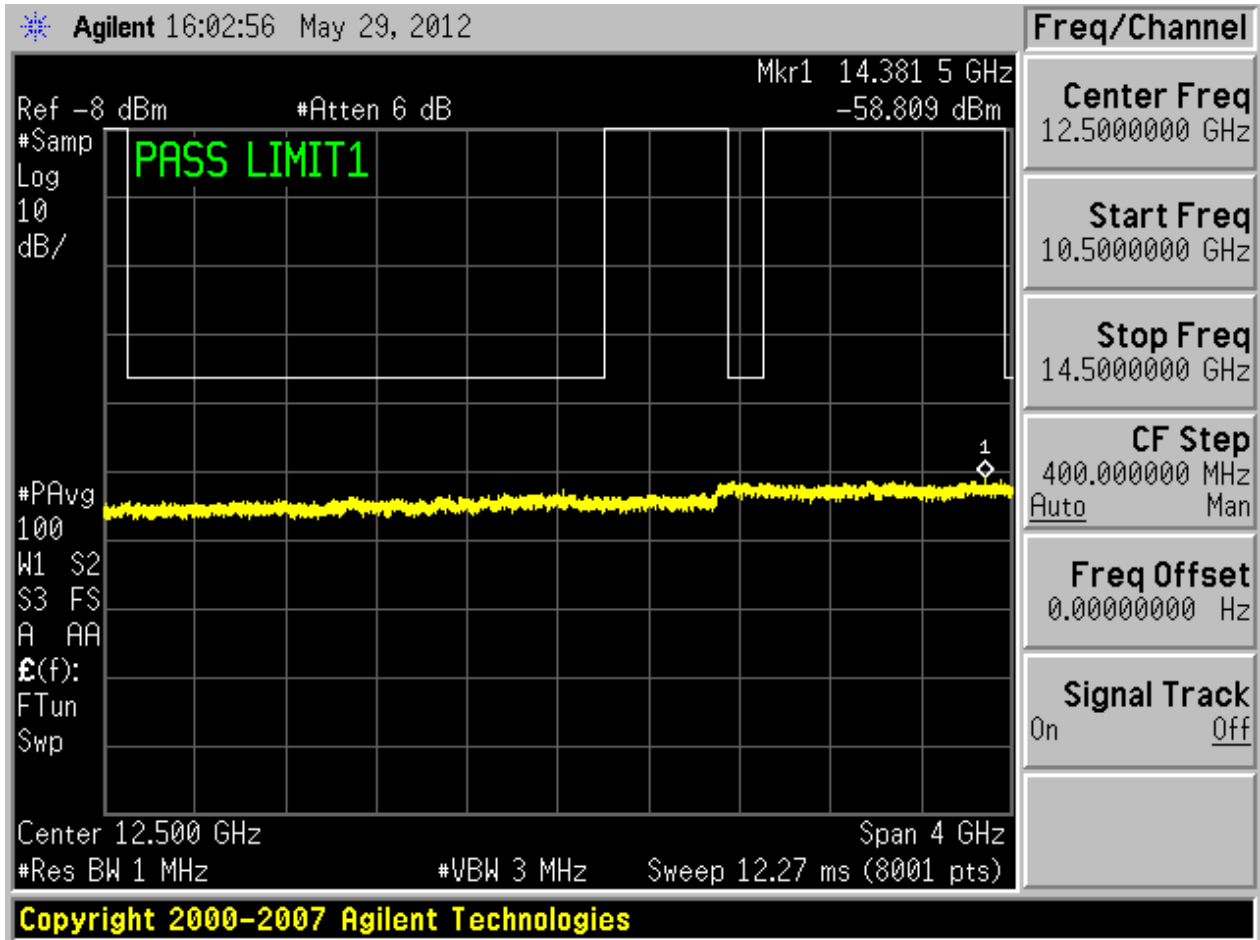


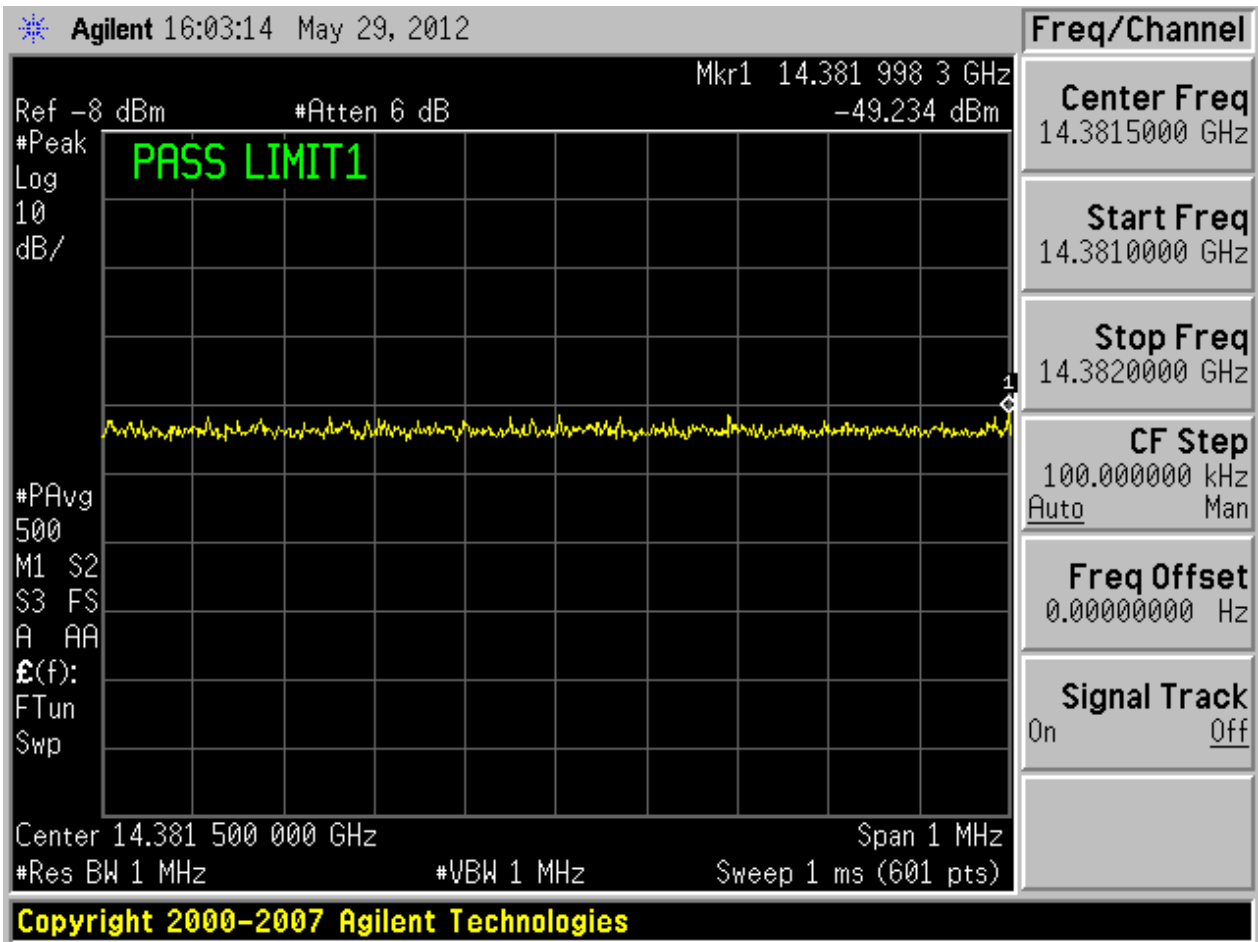


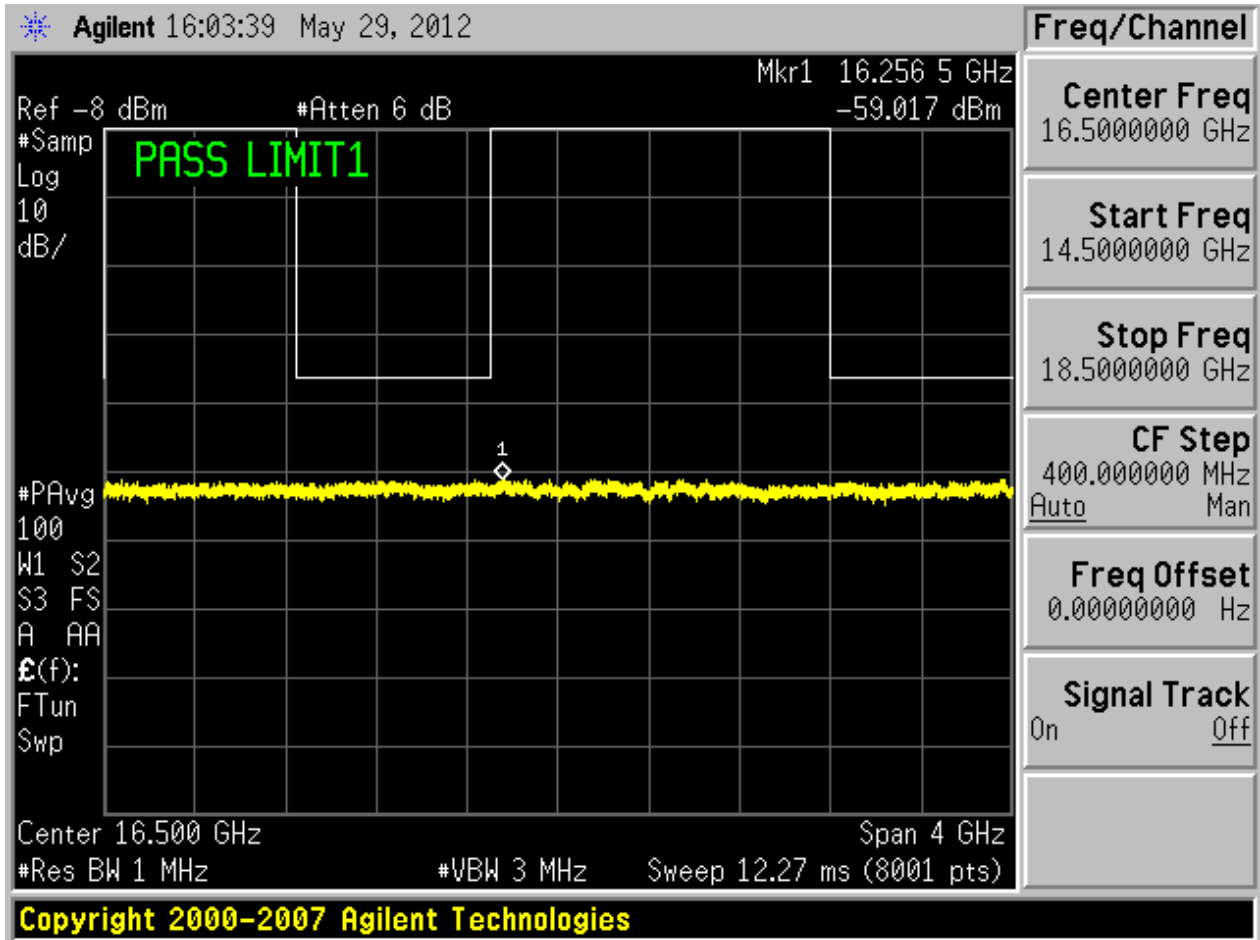


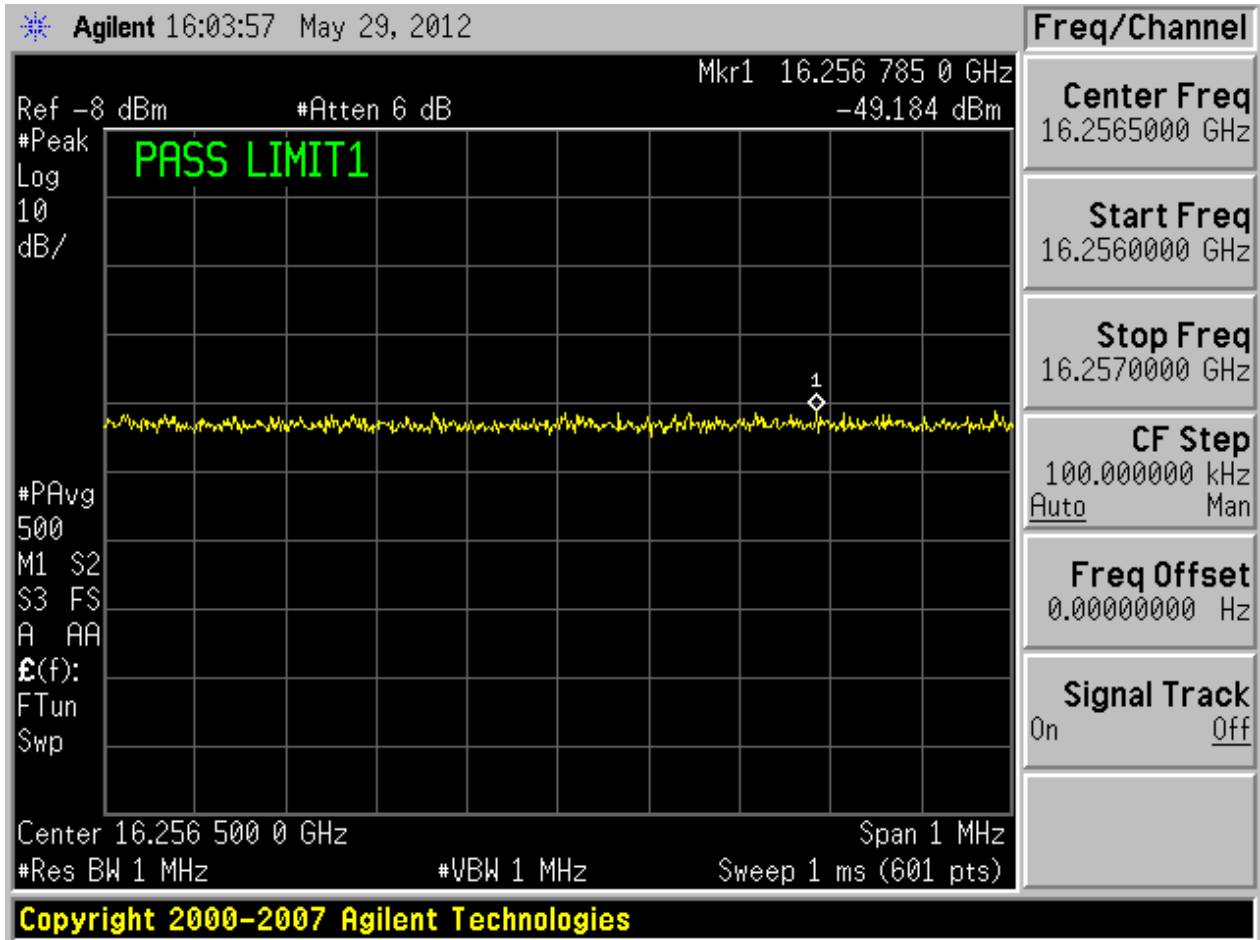


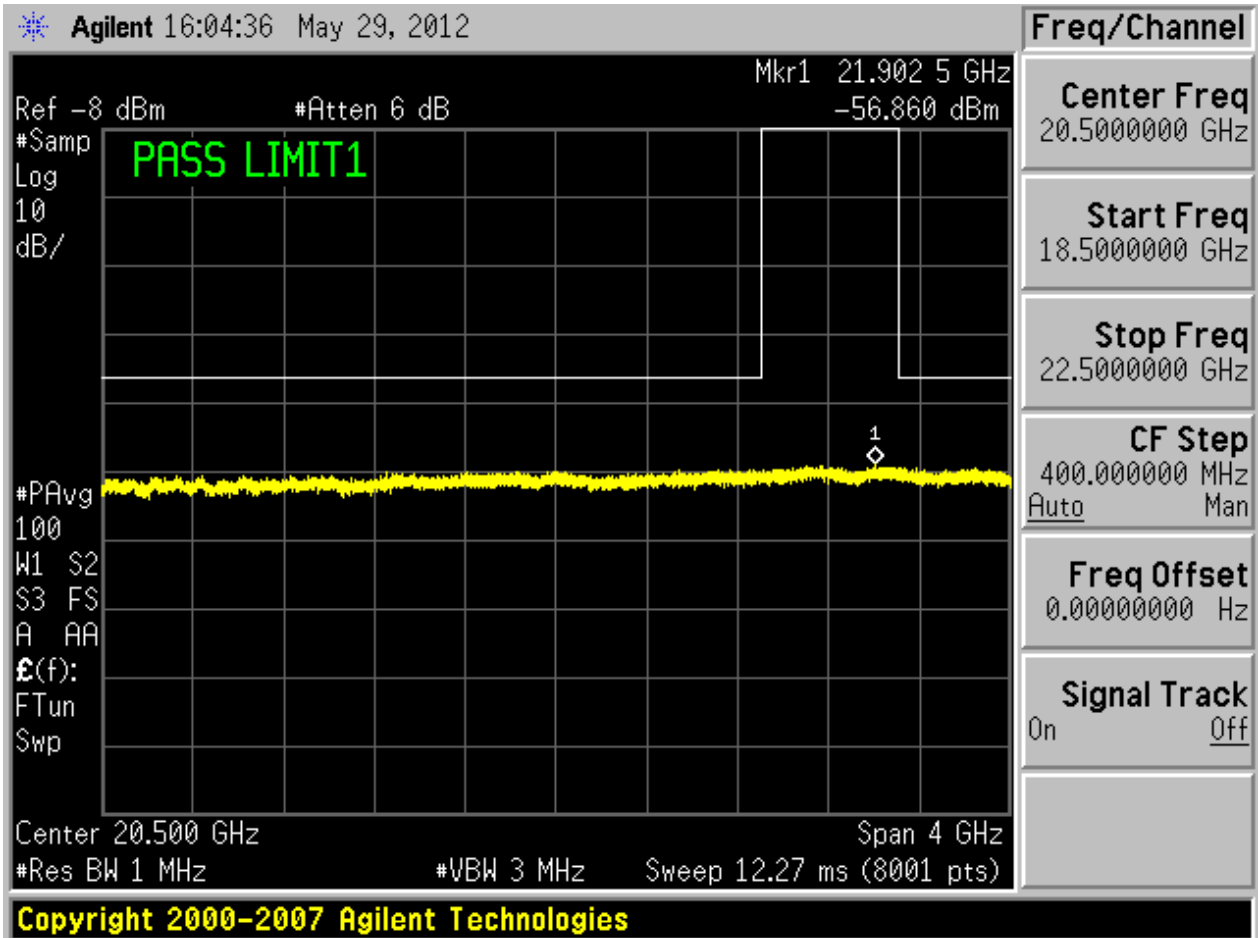


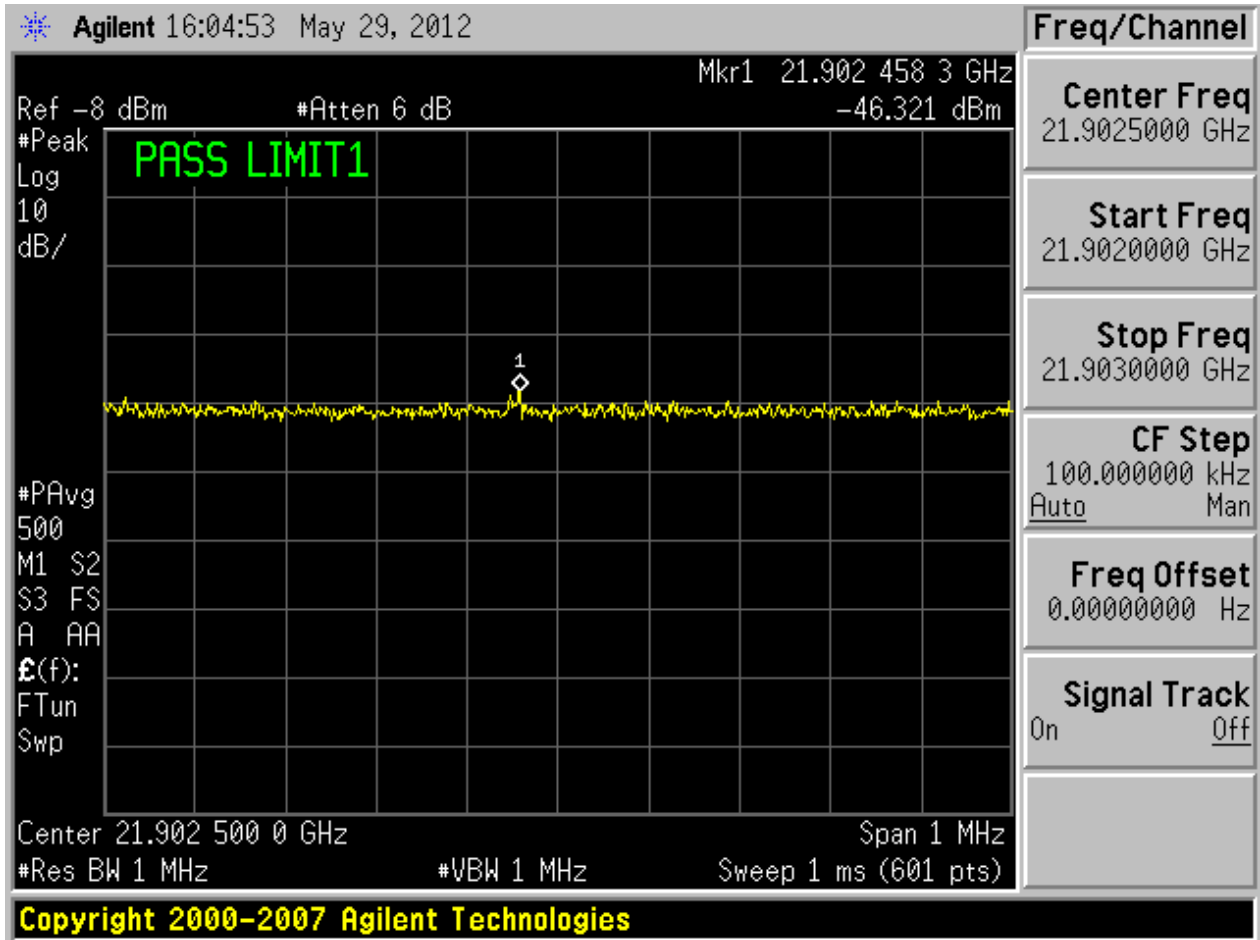


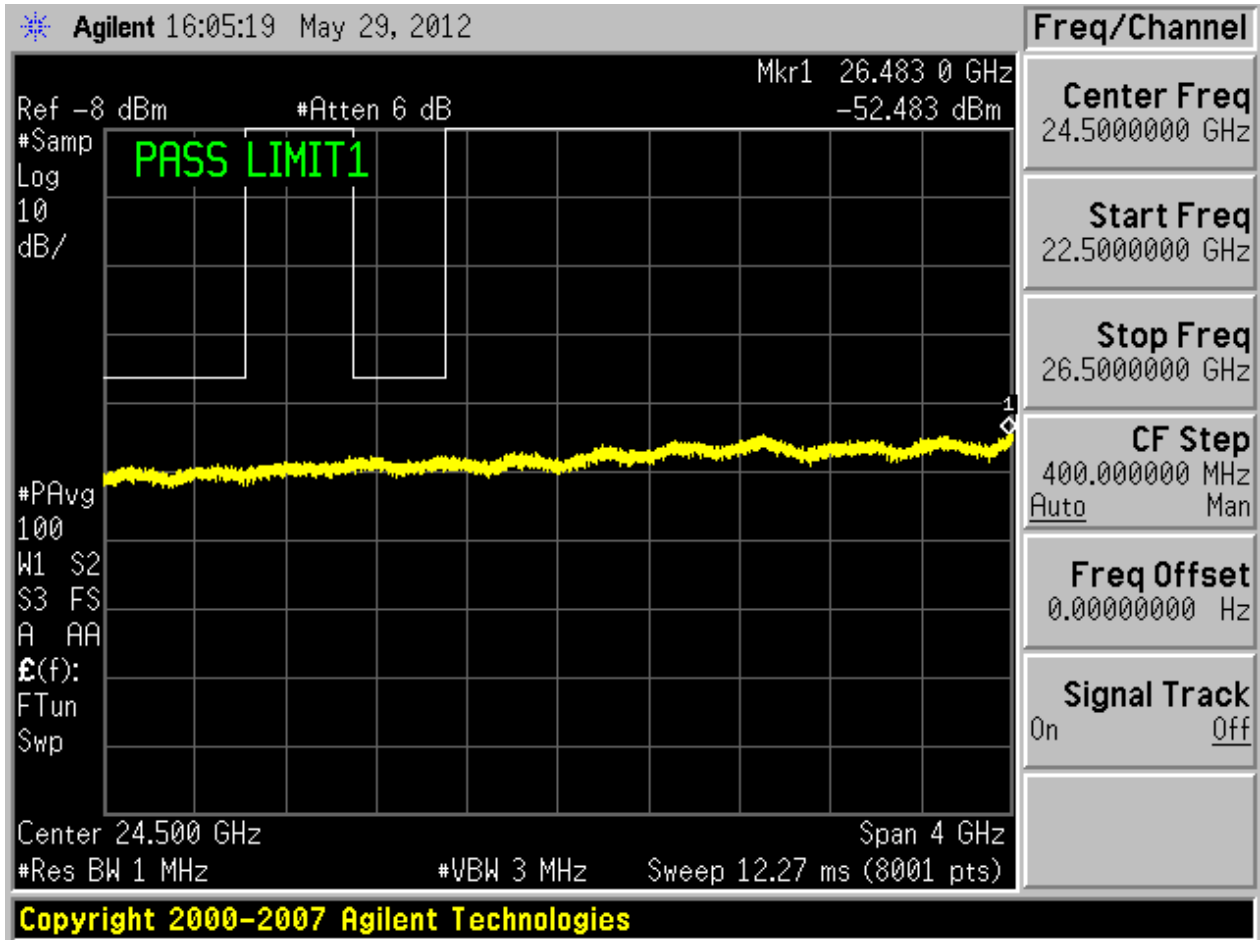


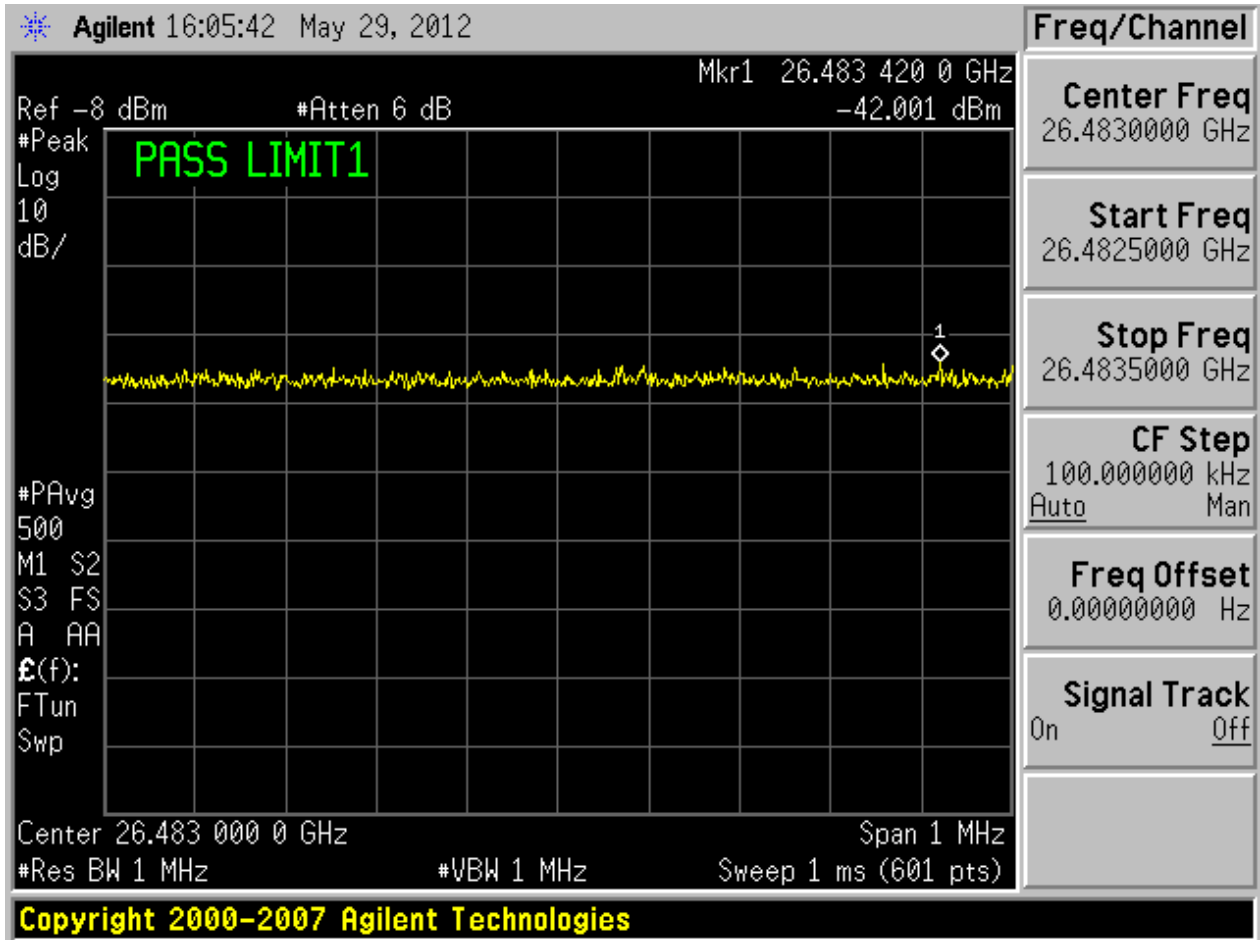












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