



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 “Plim [dBm] = Elim [dBμV/m] + 20*log(d [m]) - 104.8 [dB] - G [dBi] - f [dB]”, where:

- “Plim” denotes the conducted limit at antenna port,
- “Elim” 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 Plim is reduced to “Plim [dBm] - 10 *log(N) [dB]”, in which N denotes the antenna ports number used by smart antenna systems).

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

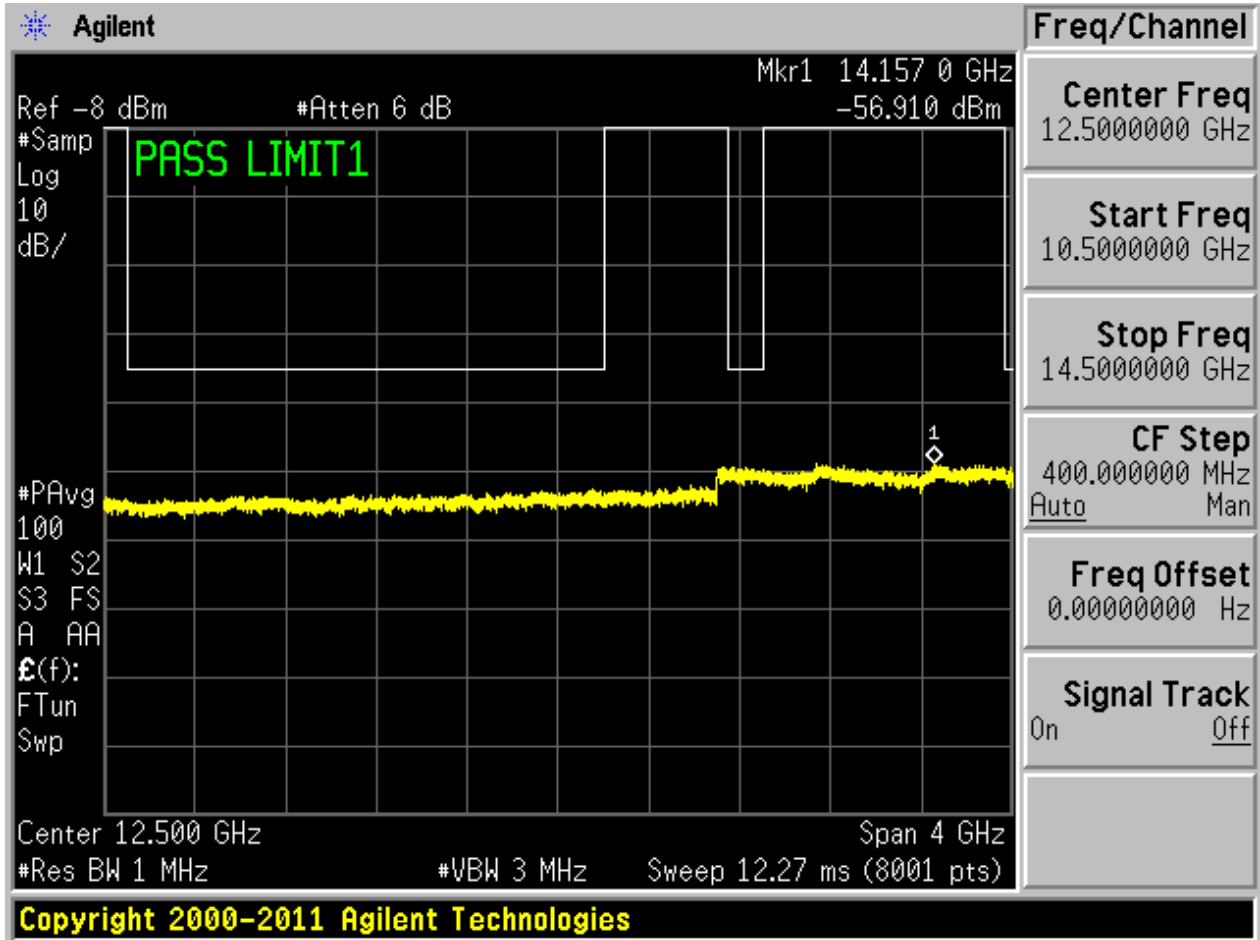
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11B/1_B@1	< Limit	Pass
11B/1_B@2	< Limit	Pass
11B/1_M@1	< Limit	Pass
11B/1_M@2	< Limit	Pass
11B/1_T@1	< Limit	Pass
11B/1_T@2	< Limit	Pass
11G/6_B@1	< Limit	Pass
11G/6_B@2	< Limit	Pass
11G/6_M@1	< Limit	Pass
11G/6_M@2	< Limit	Pass

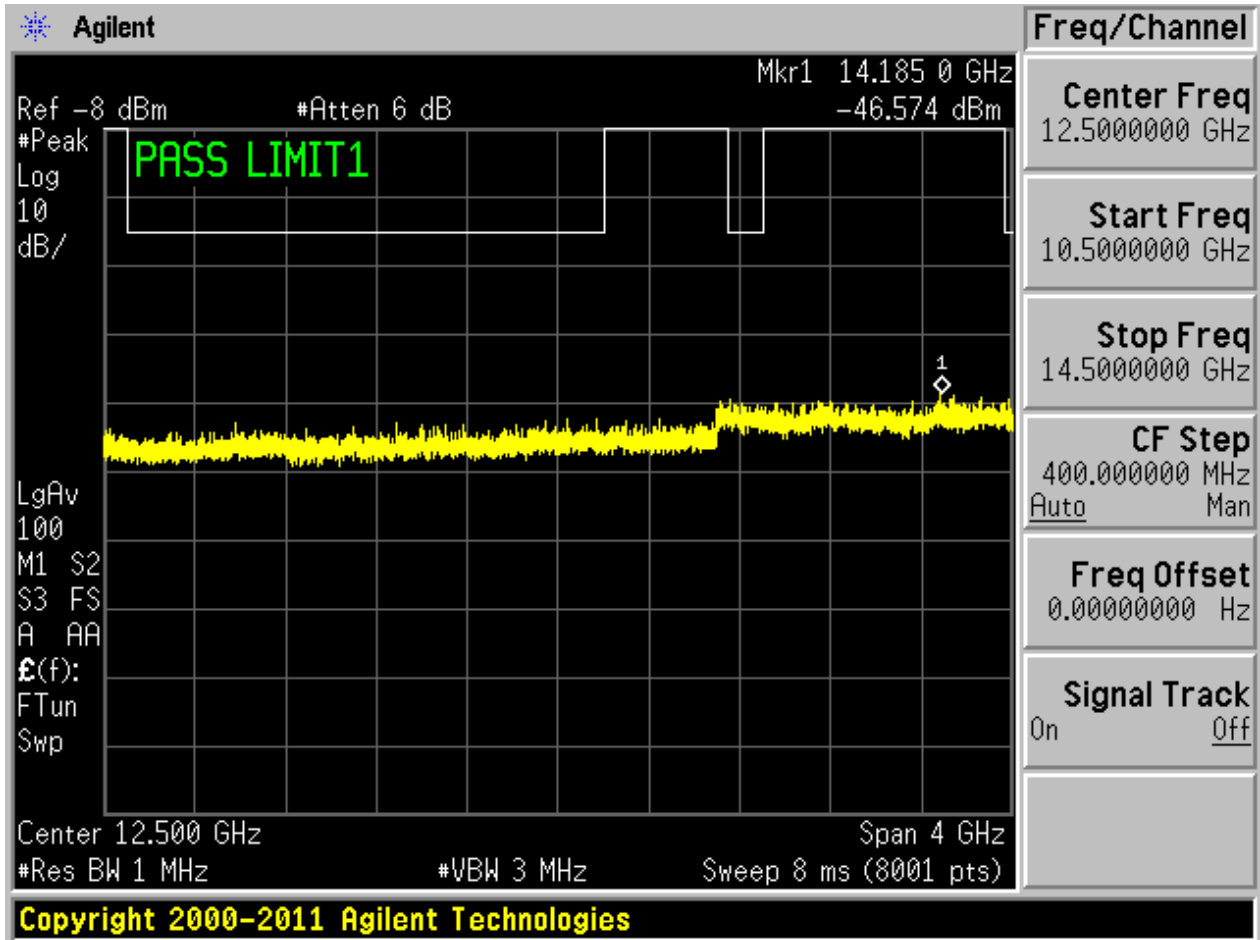


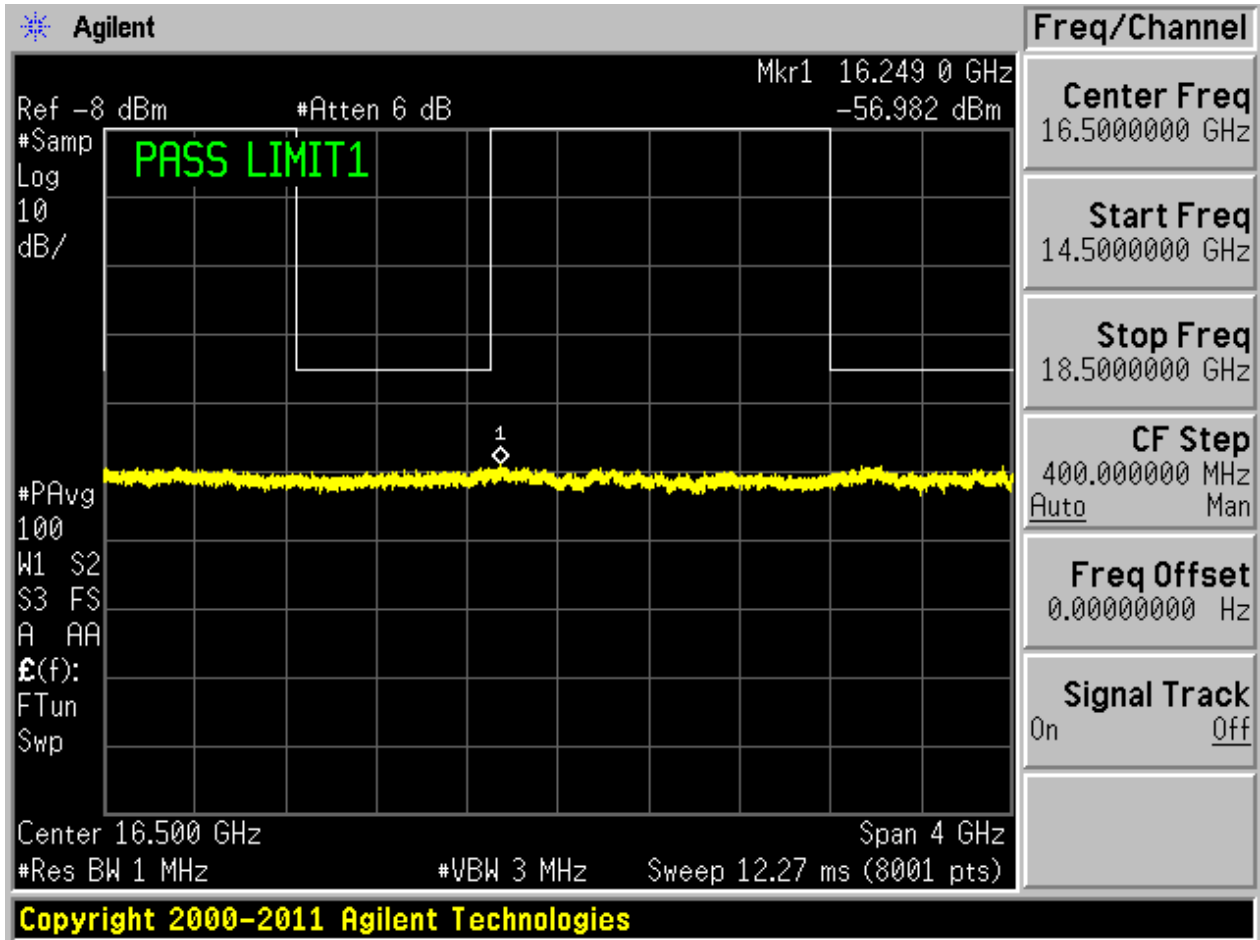
EUT Conf.	Maximum Emissions	Verdict
11G/6_T@1	< Limit	Pass
11G/6_T@2	< Limit	Pass
11N20/0_B@1	< Limit	Pass
11N20/0_B@2	< Limit	Pass
11N20/0_M@1	< Limit	Pass
11N20/0_M@2	< Limit	Pass
11N20/0_T@1	< Limit	Pass
11N20/0_T@2	< Limit	Pass
11N40/0_B@1	< Limit	Pass
11N40/0_B@2	< Limit	Pass
11N40/0_M@1	< Limit	Pass
11N40/0_M@2	< Limit	Pass
11N40/0_T@1	< Limit	Pass
11N40/0_T@2	< Limit	Pass
11N20m/8_B@1+2	< Limit	Pass
11N20m/8_M@1+2	< Limit	Pass
11N20m/8_T@1+2	< Limit	Pass
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11N40m/8_T@1+2	< Limit	Pass

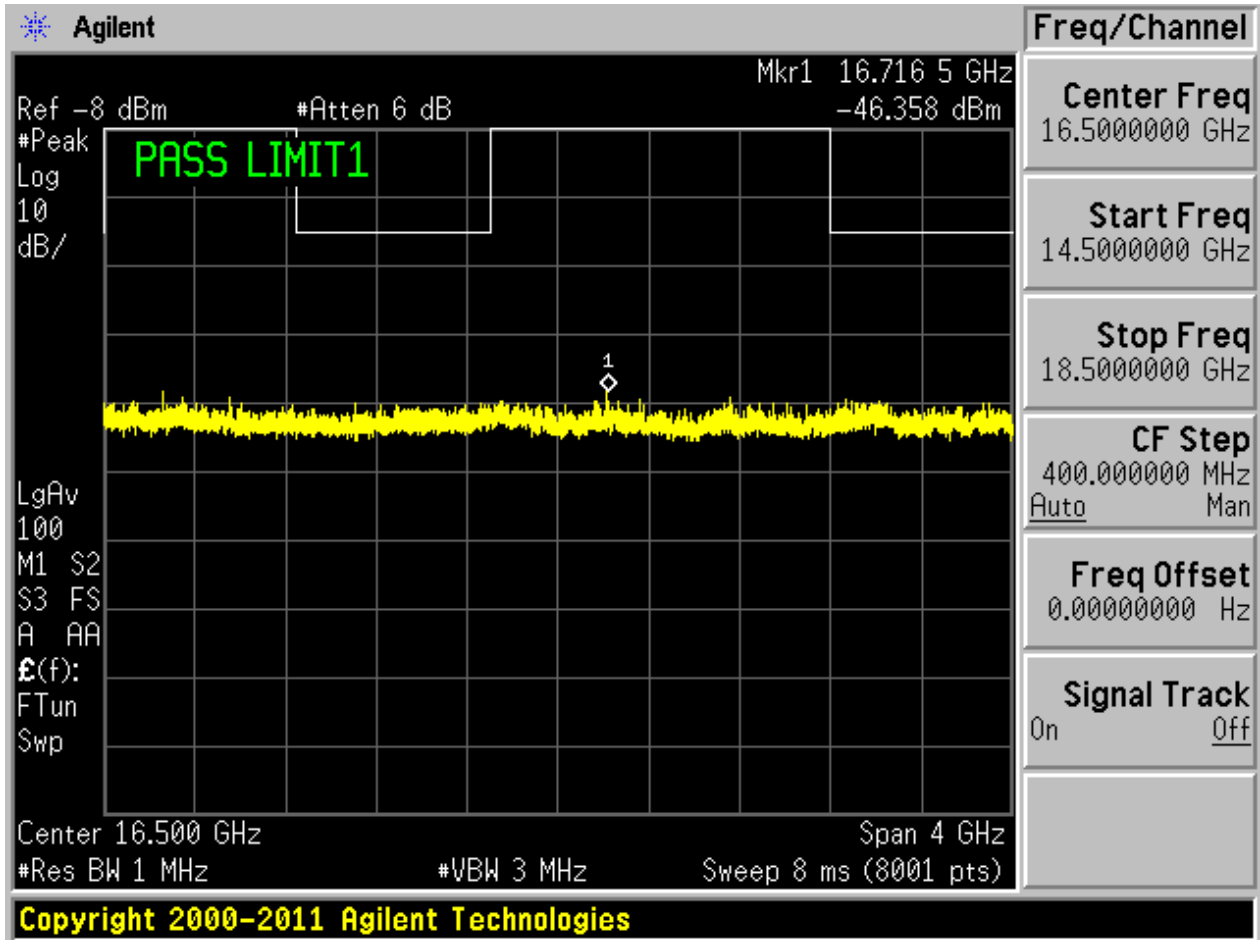
2 Result Plot

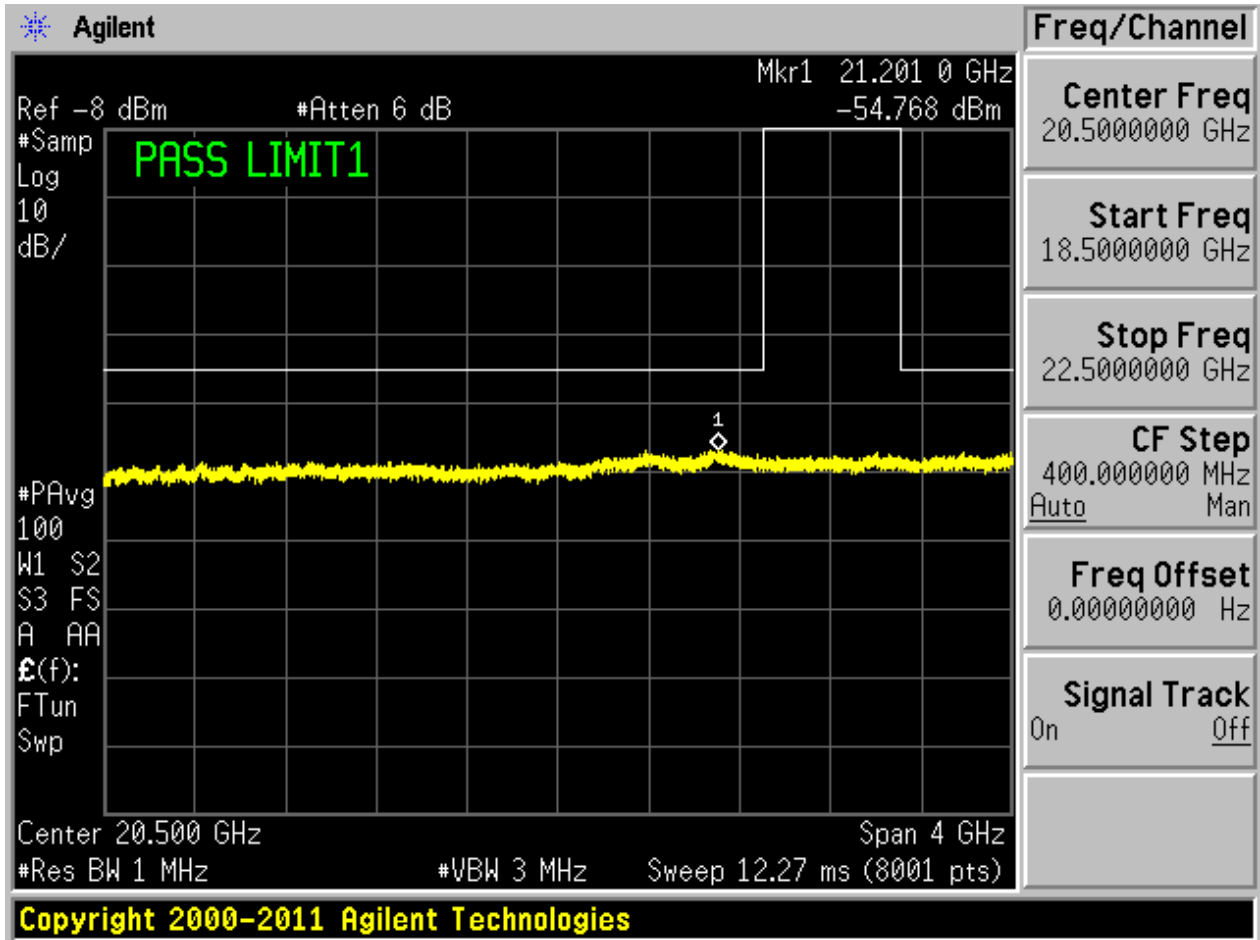
2.1 11B/1_B@1

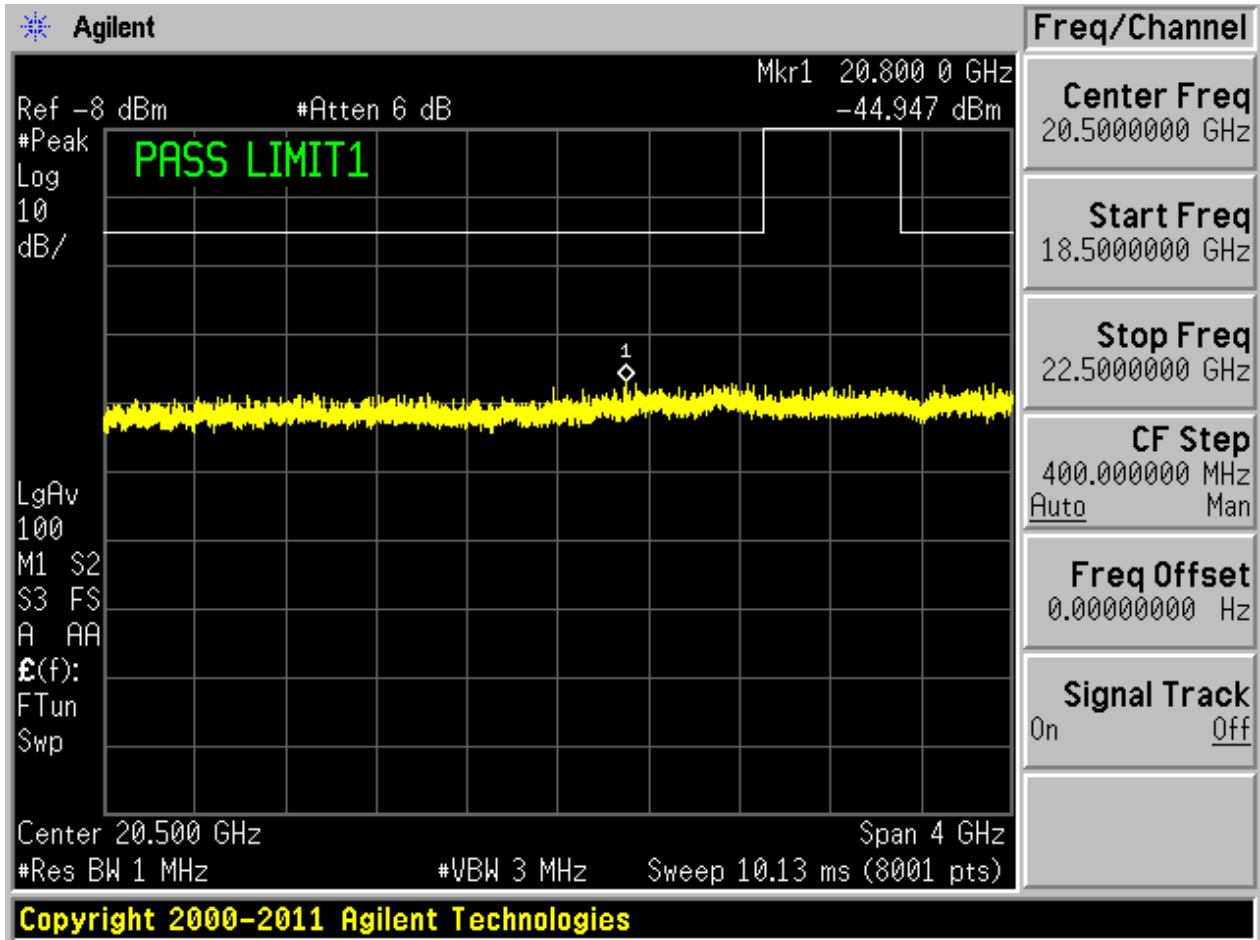




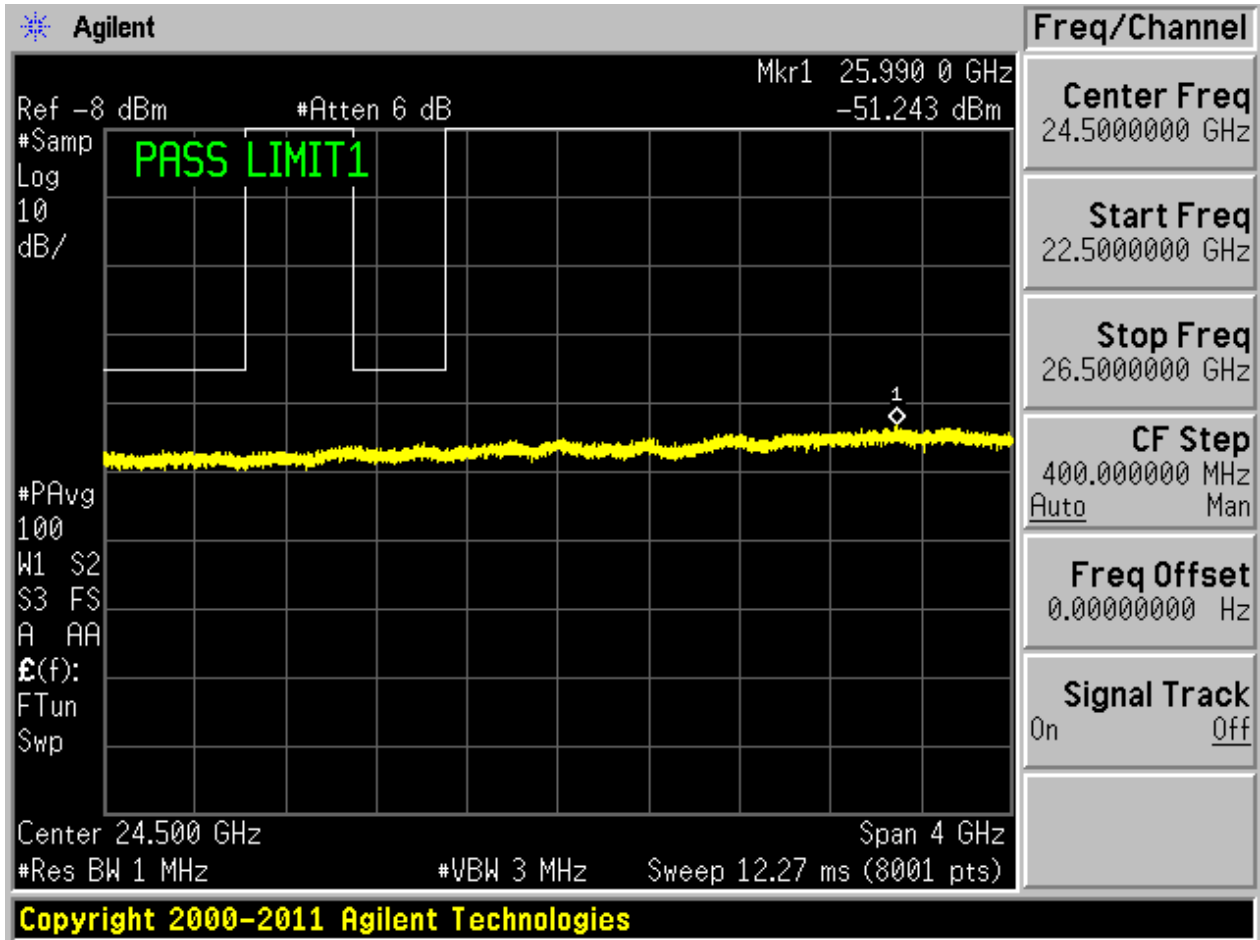


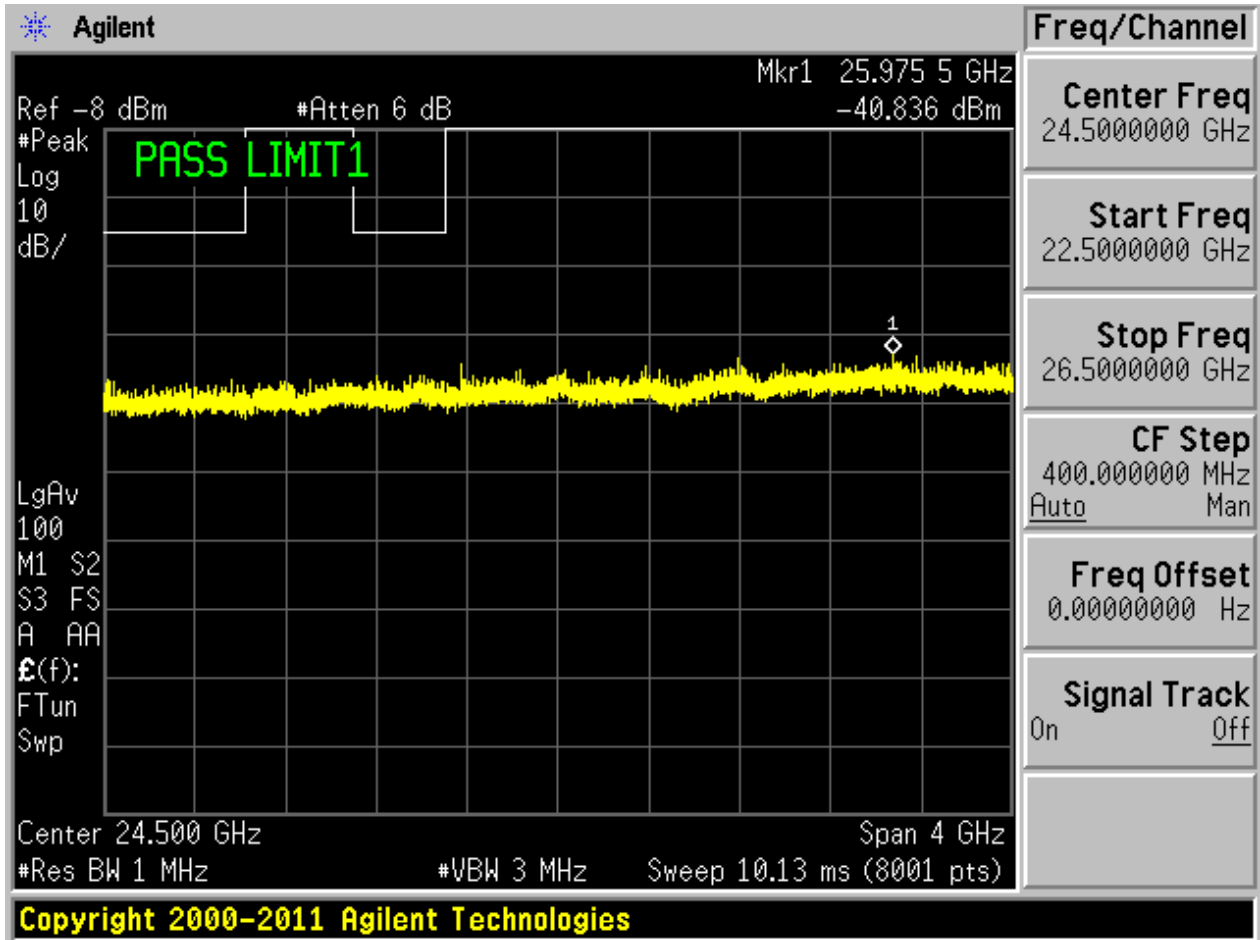


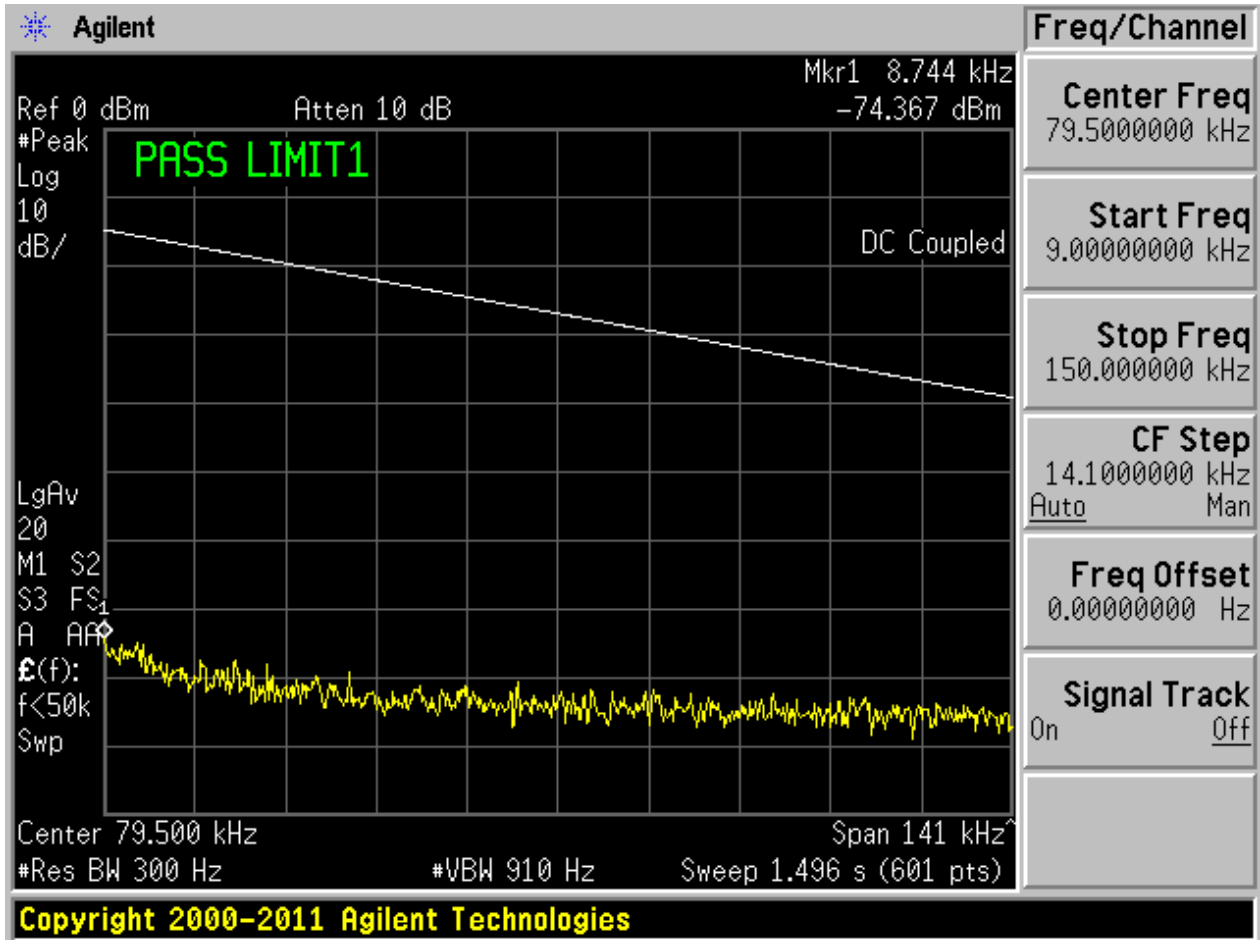


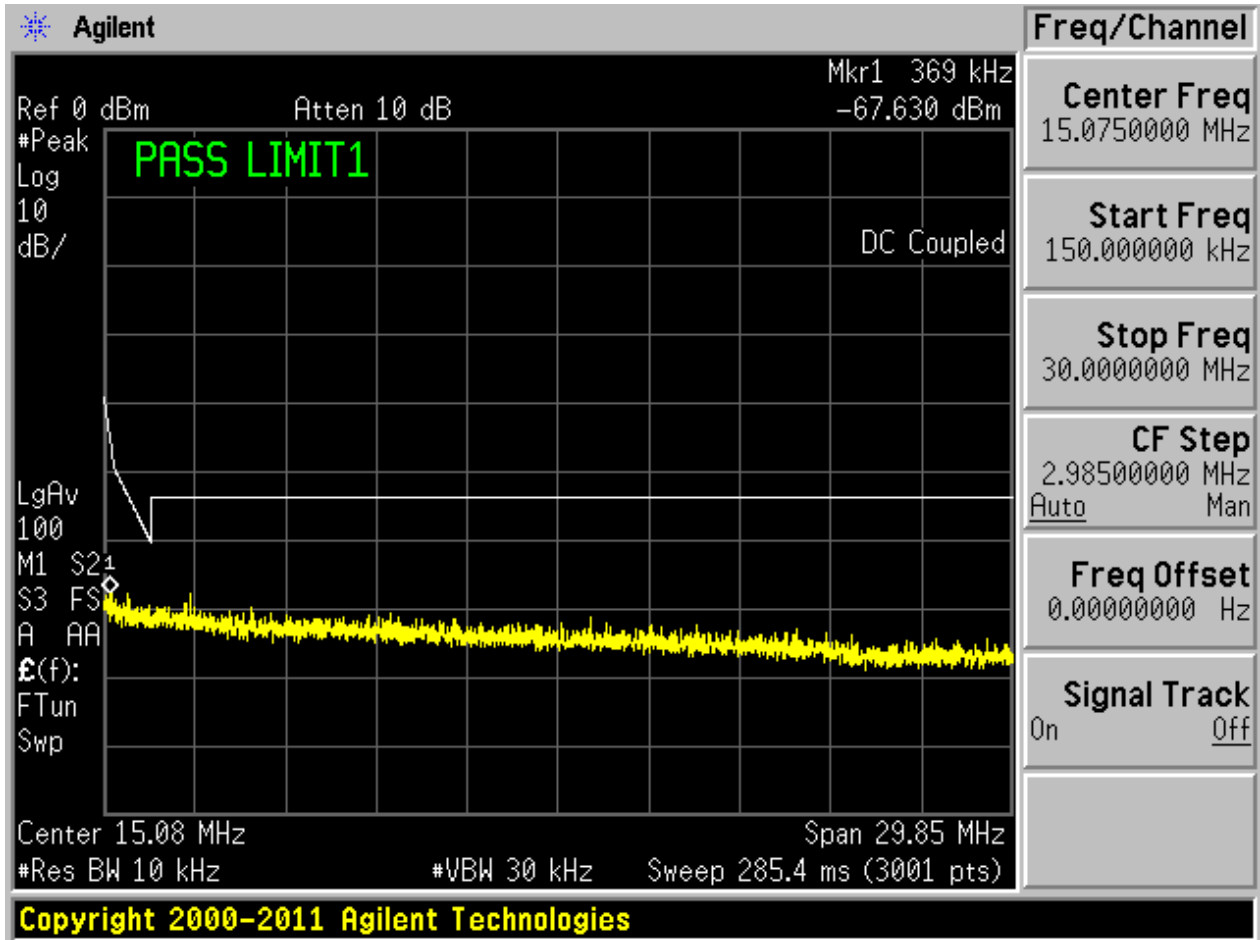


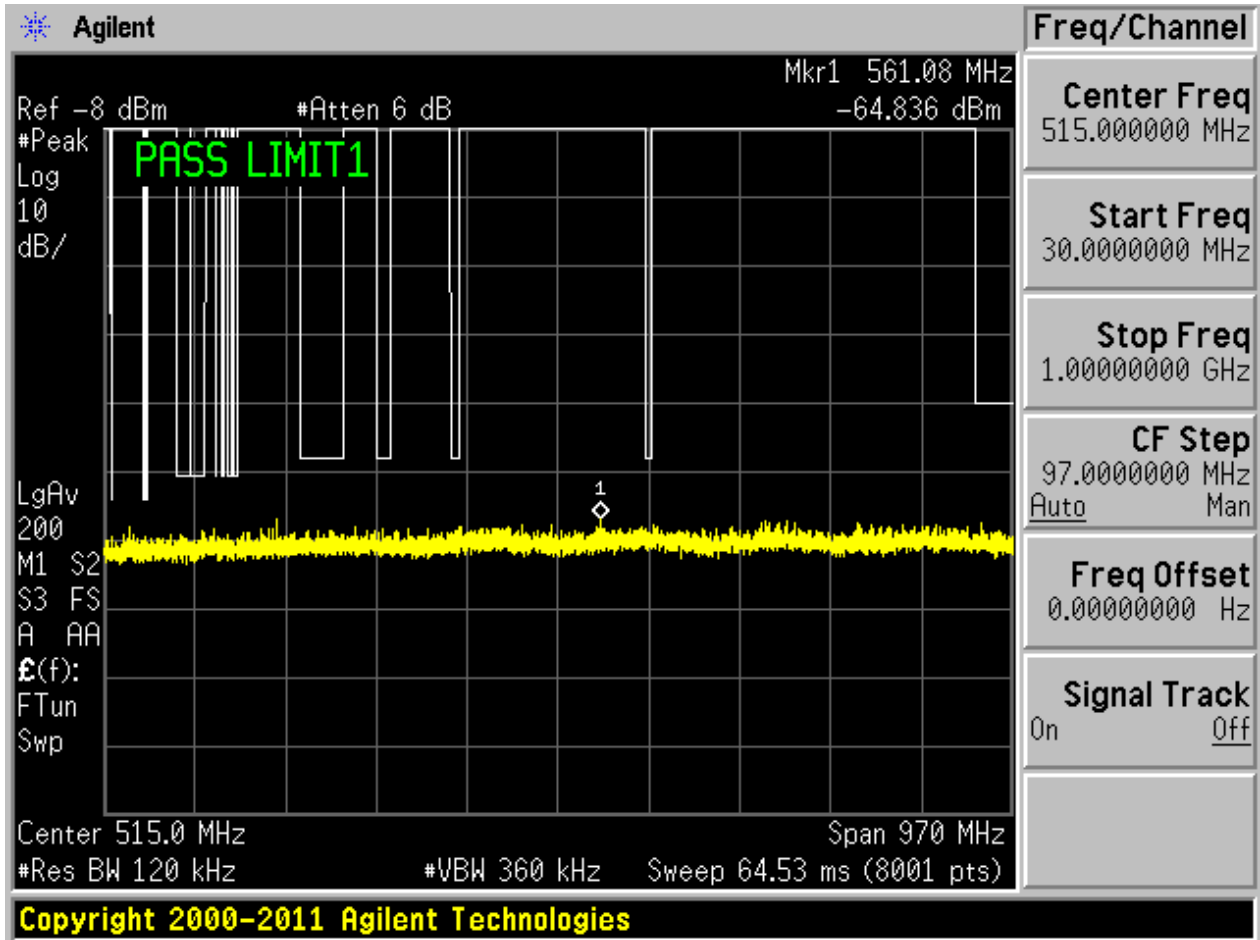
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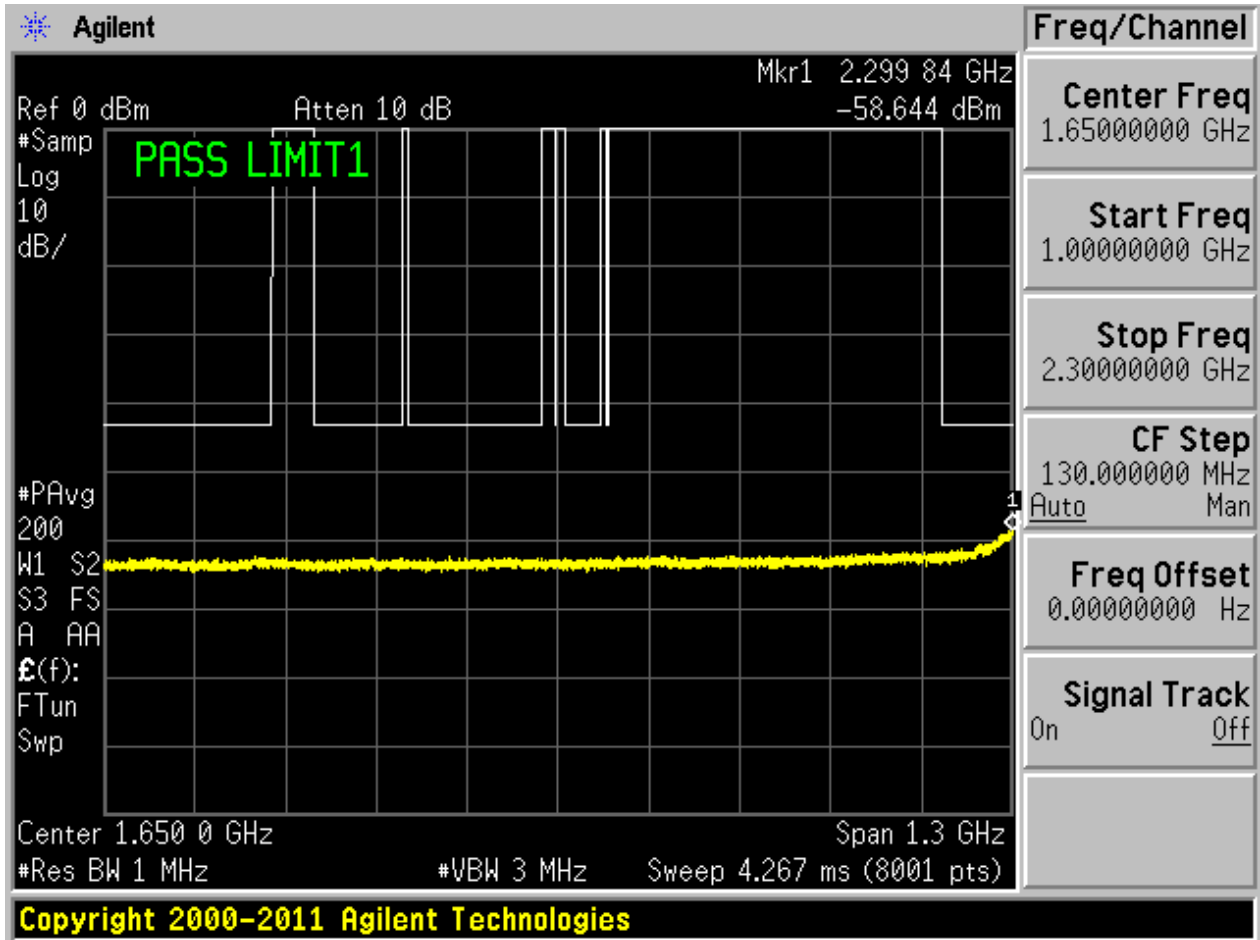


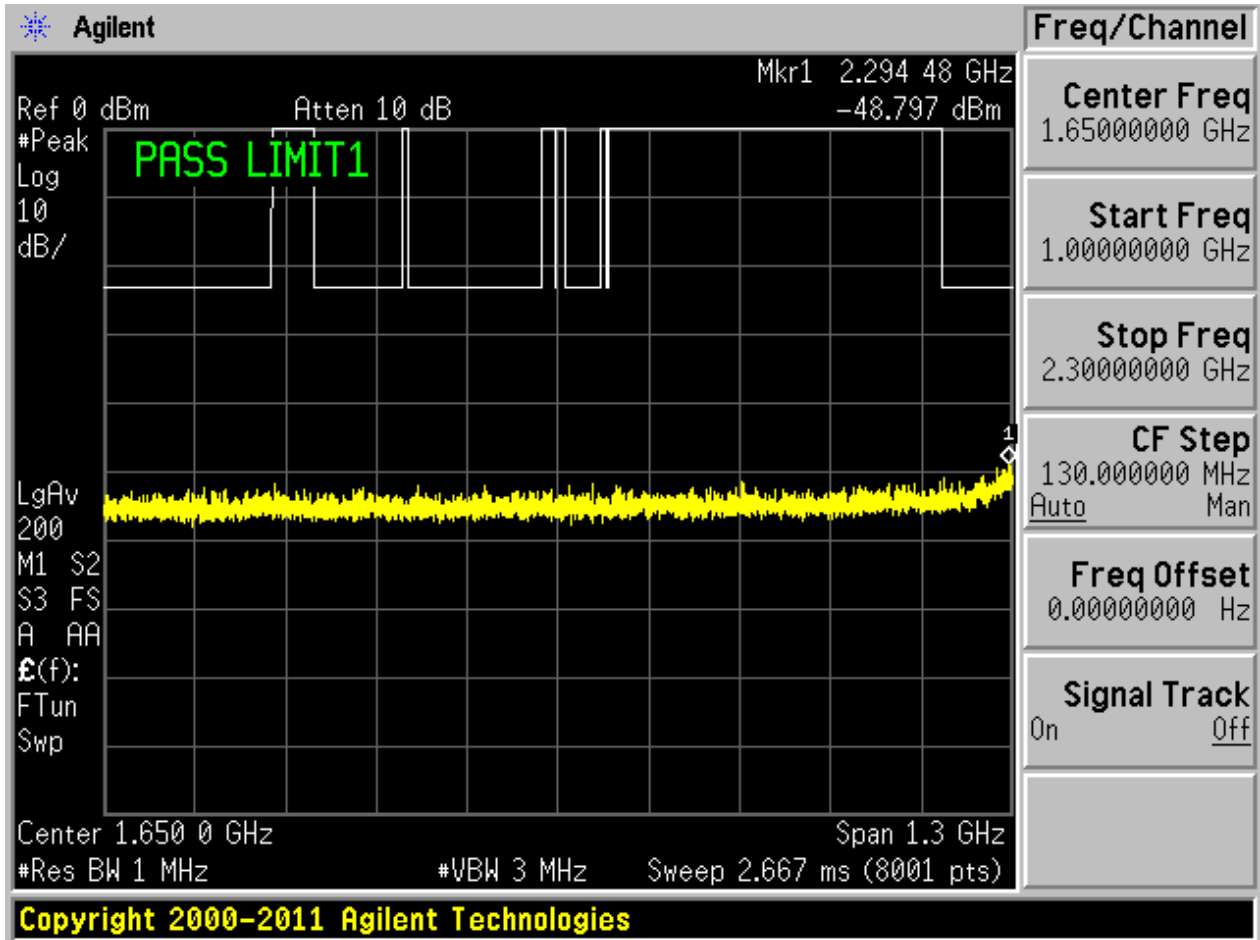


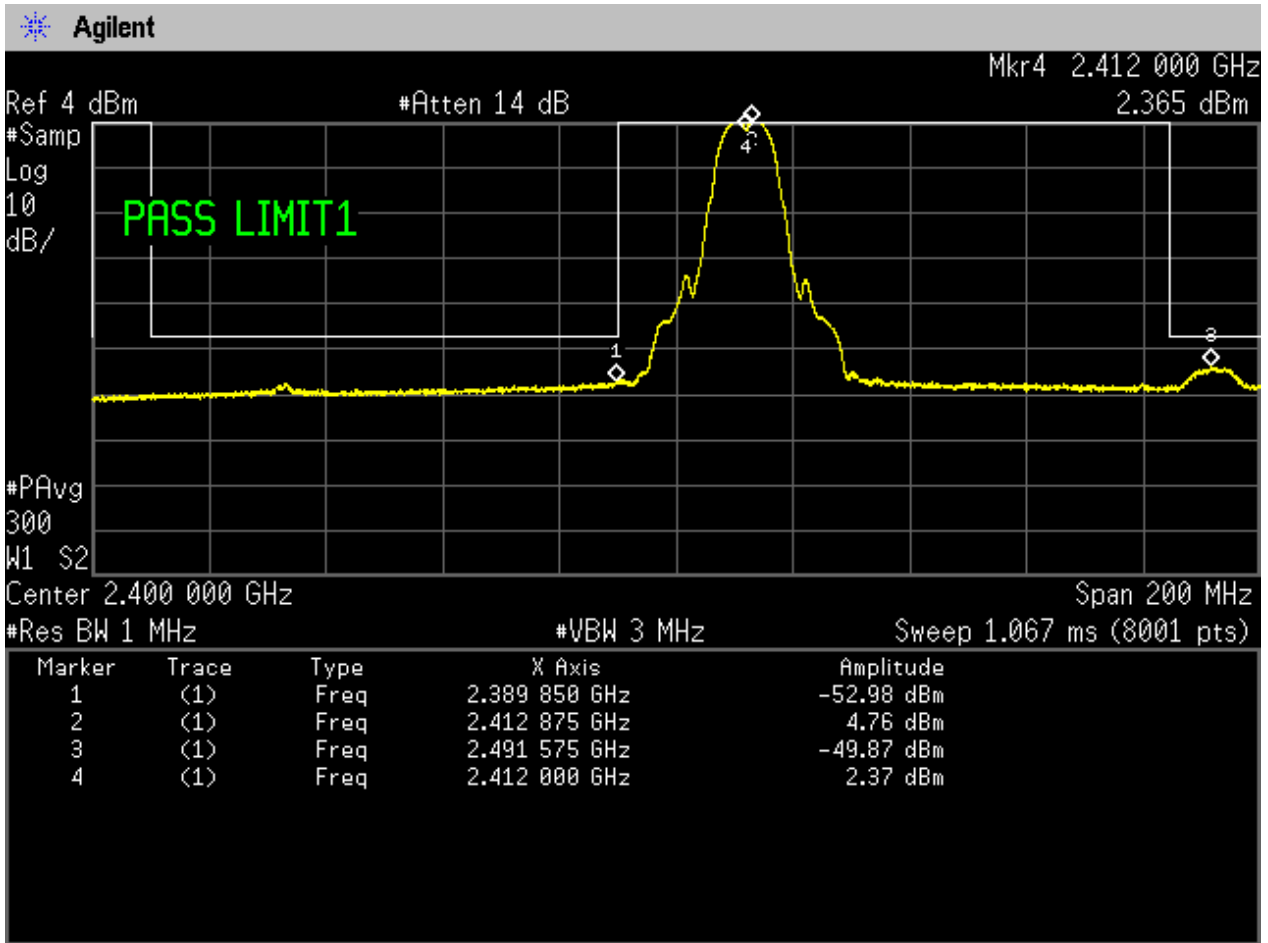


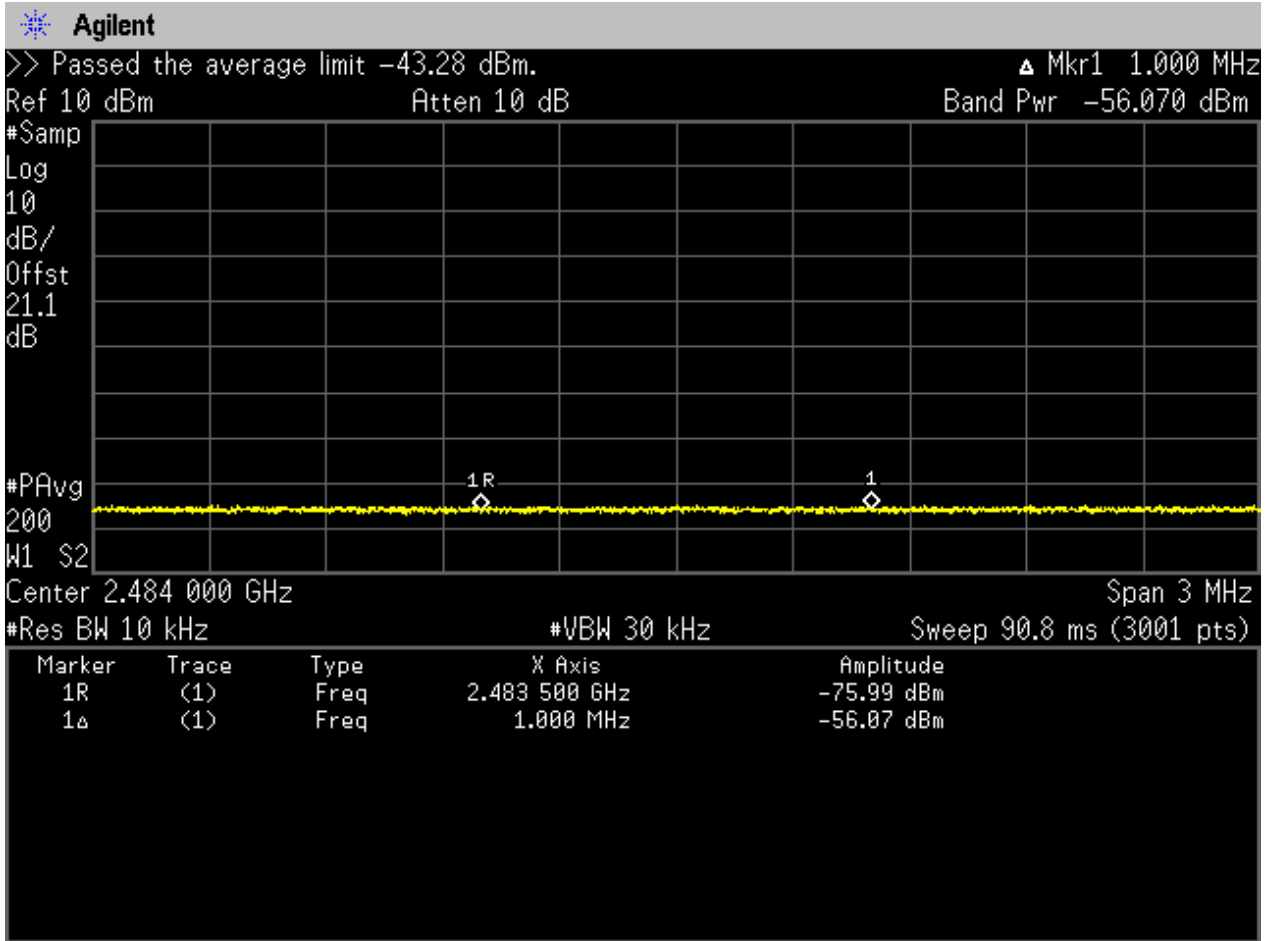


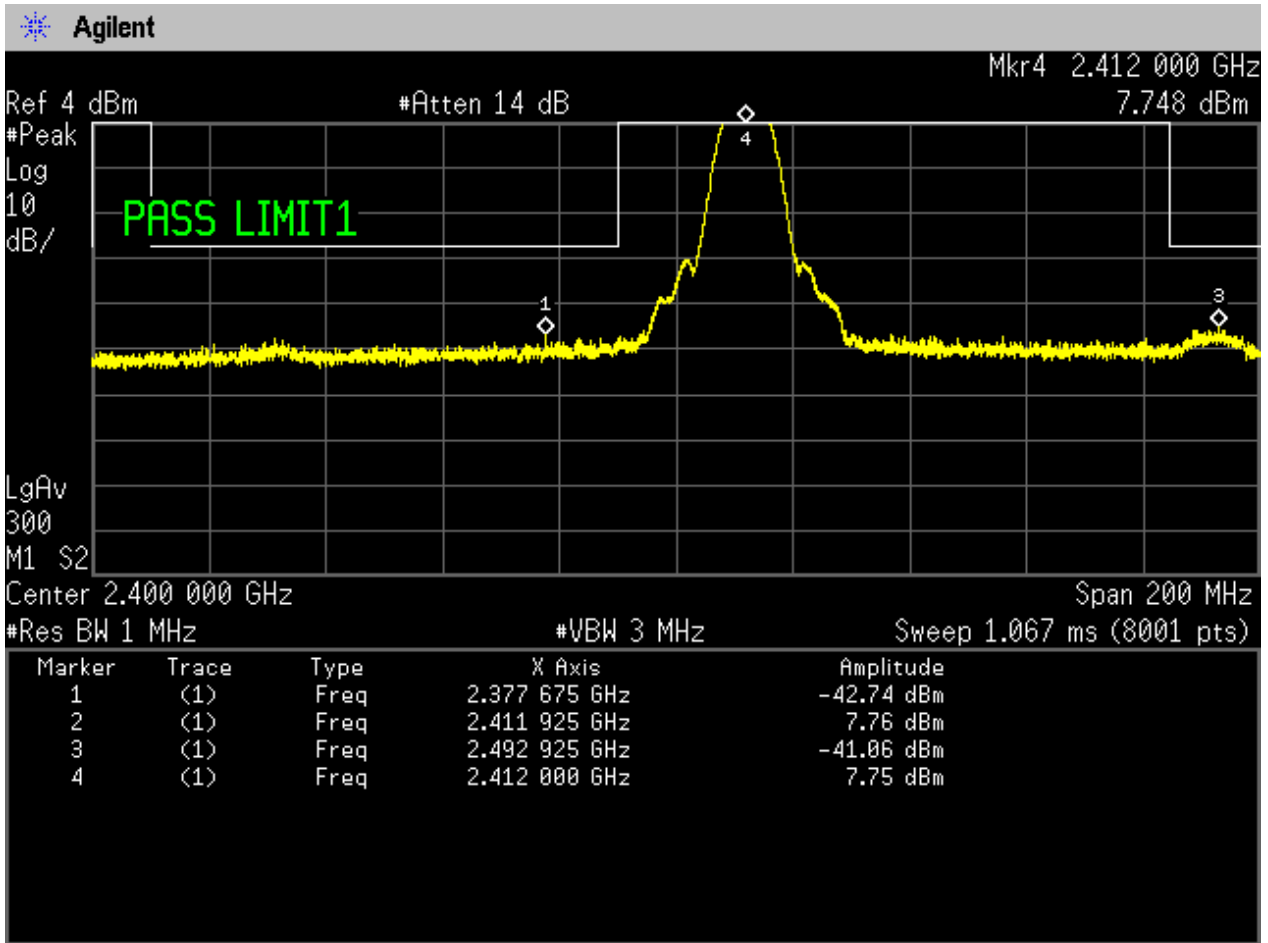


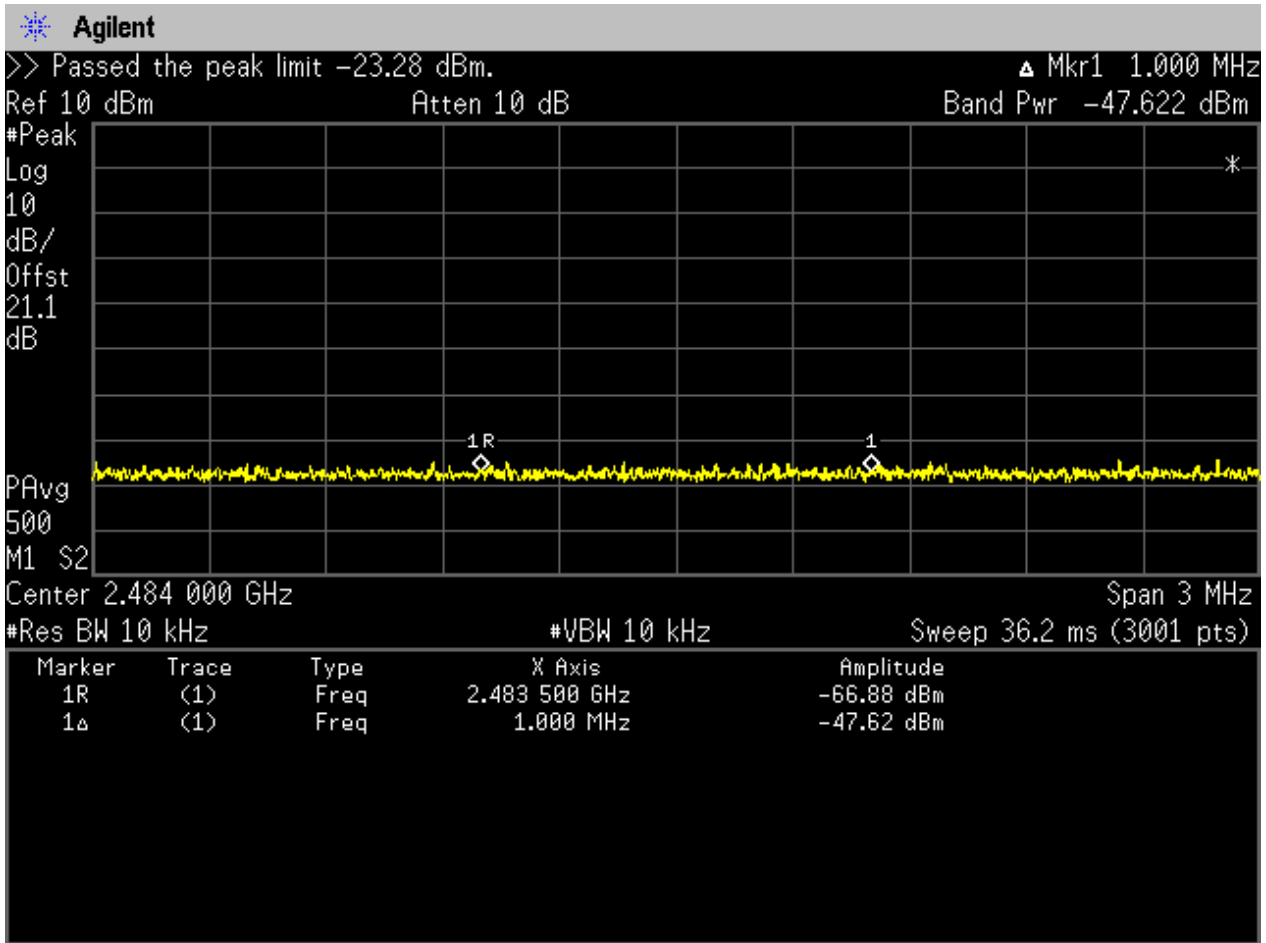


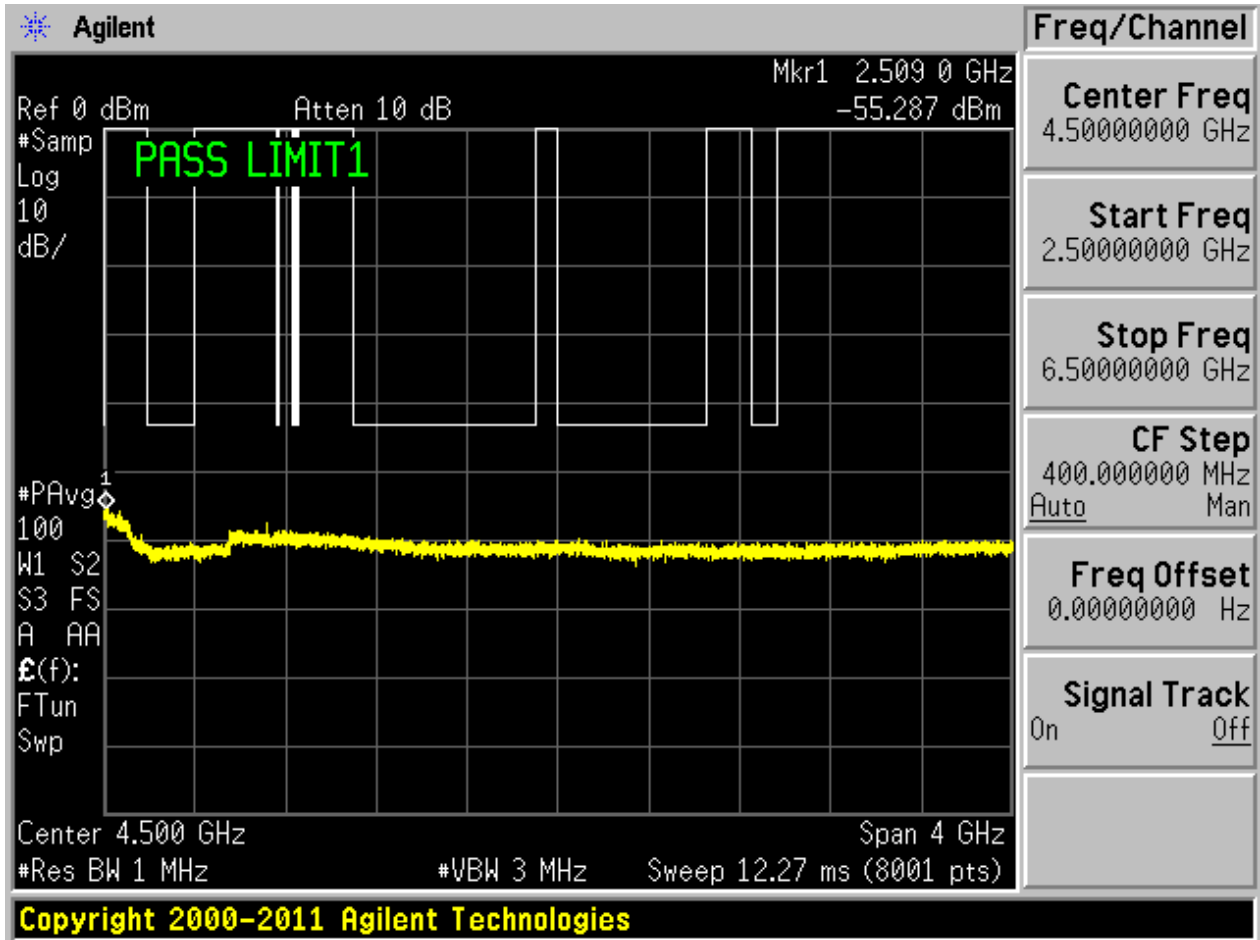


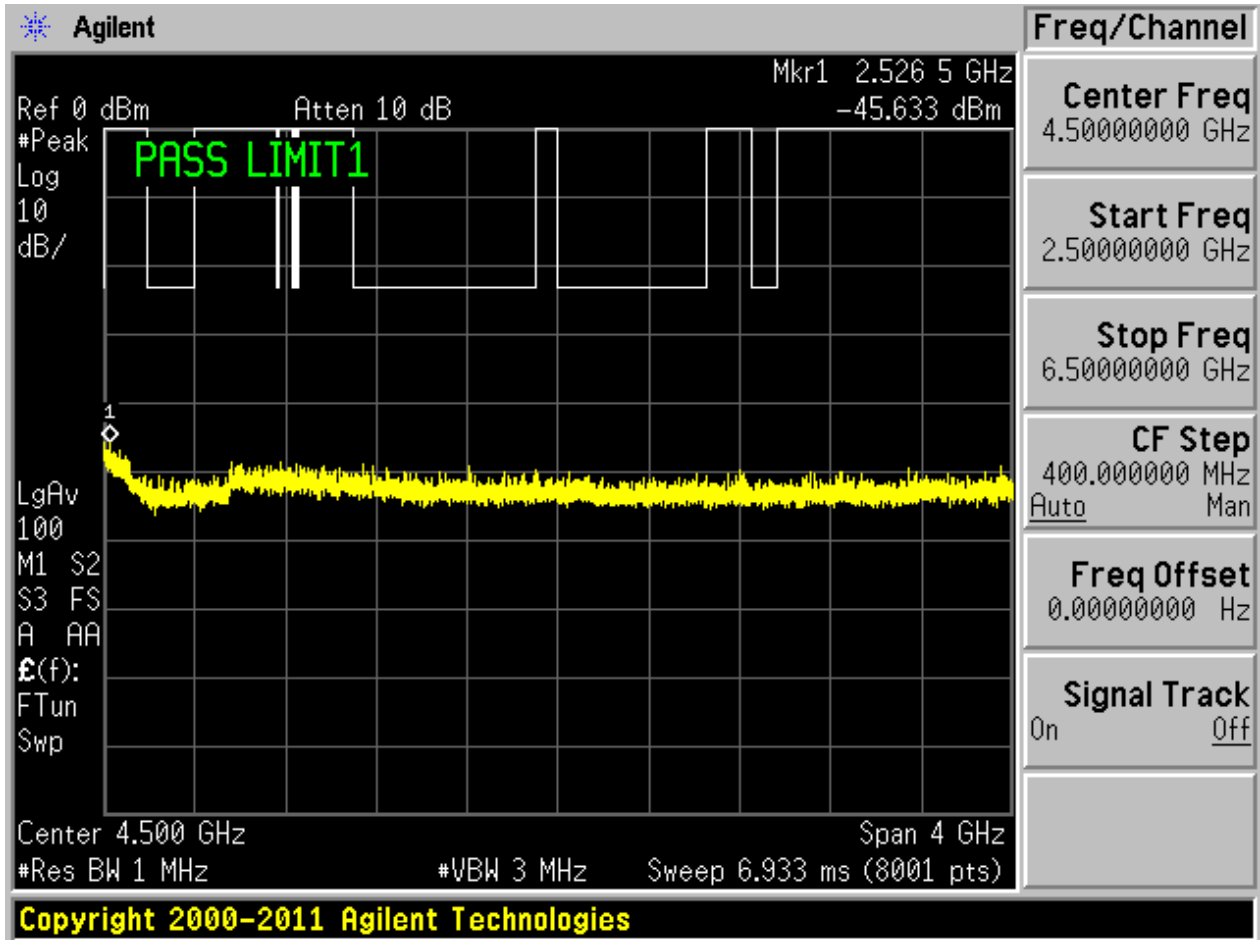


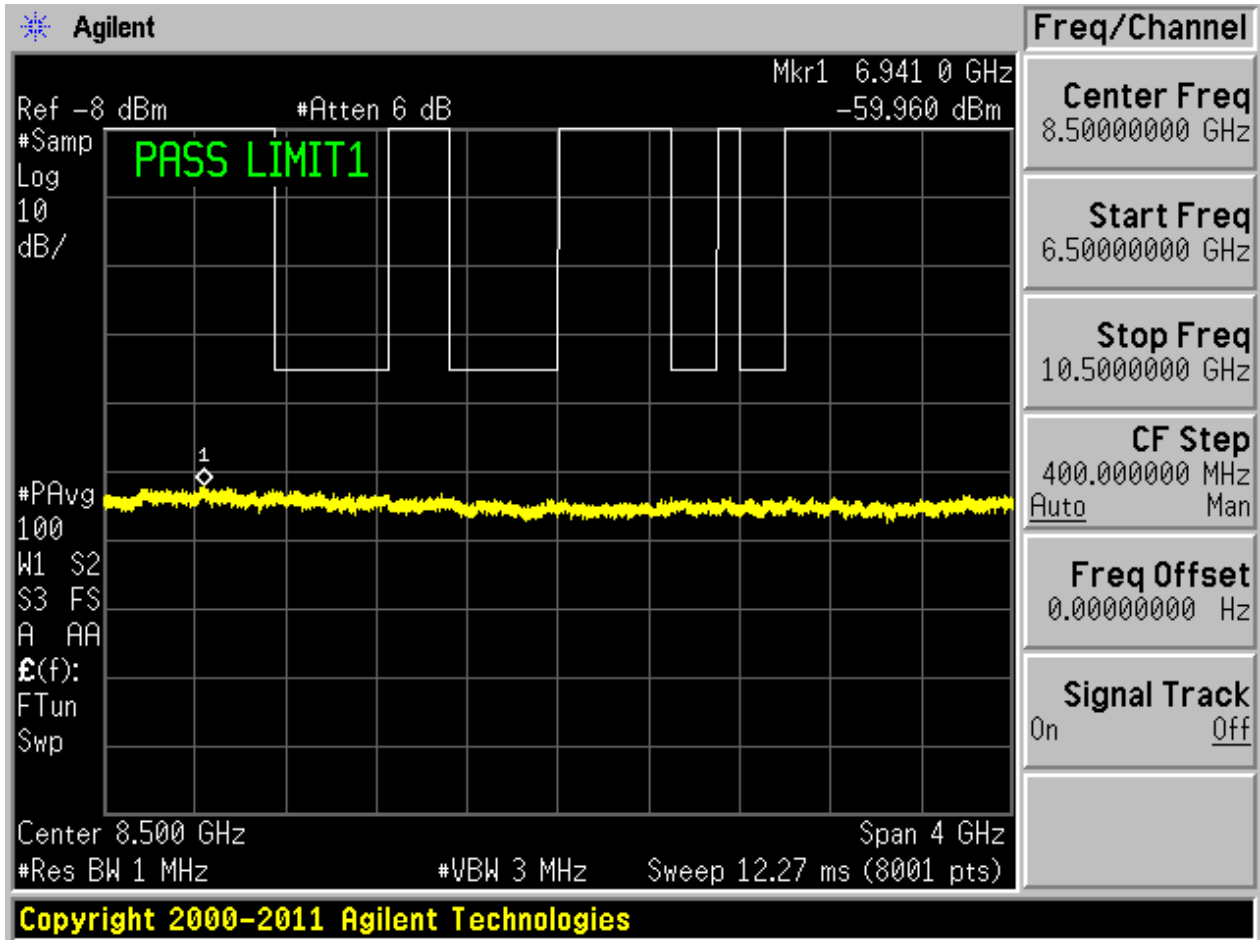


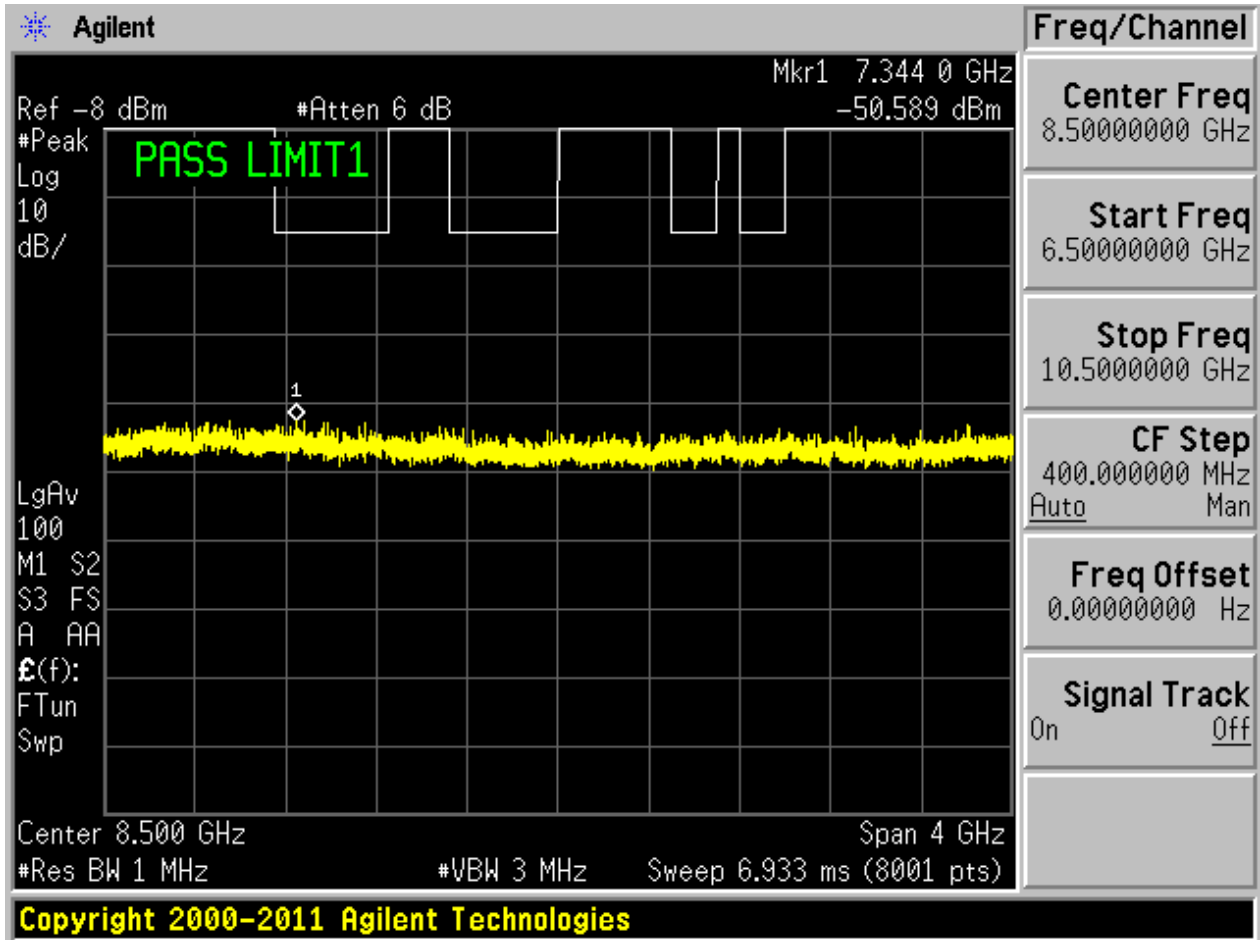




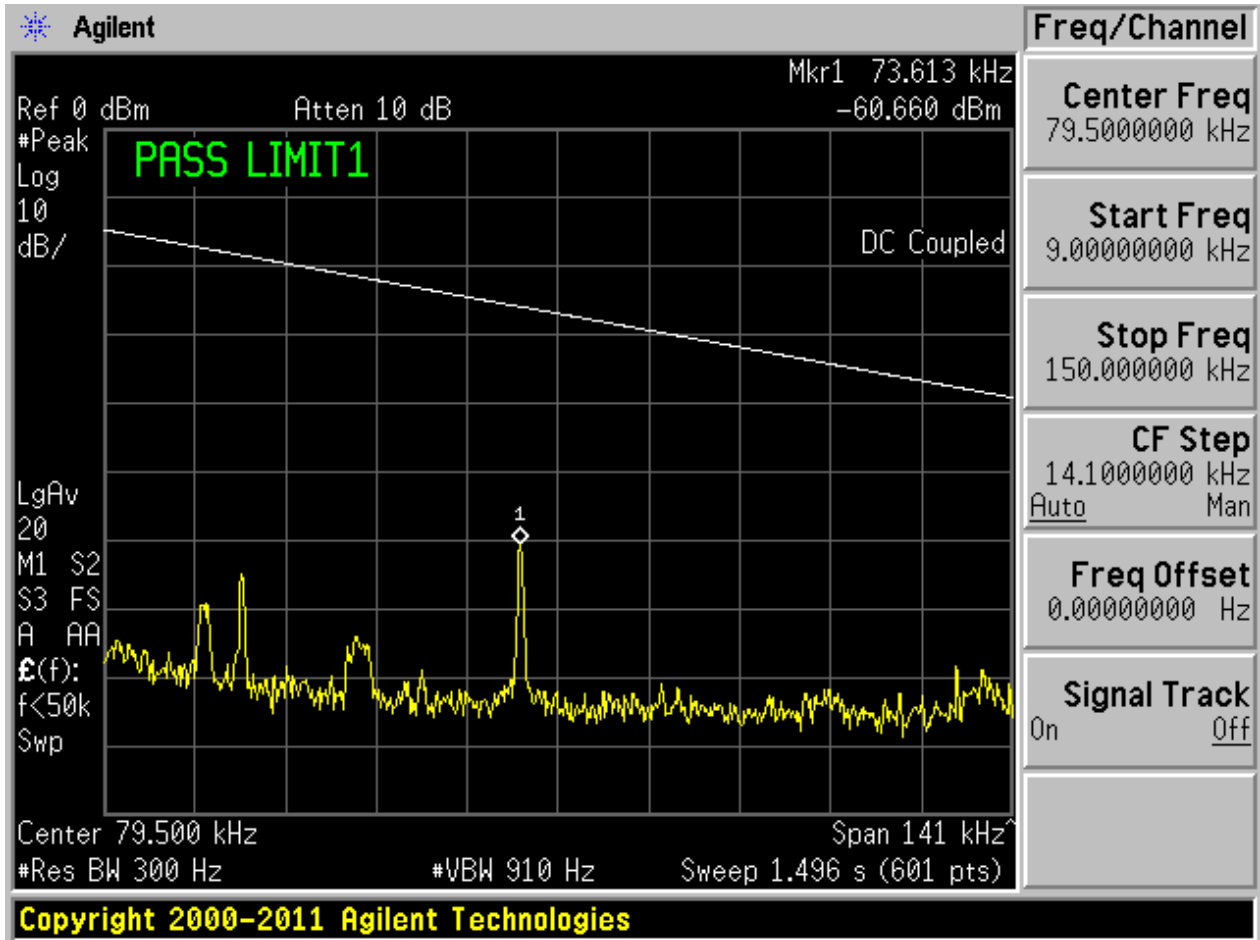


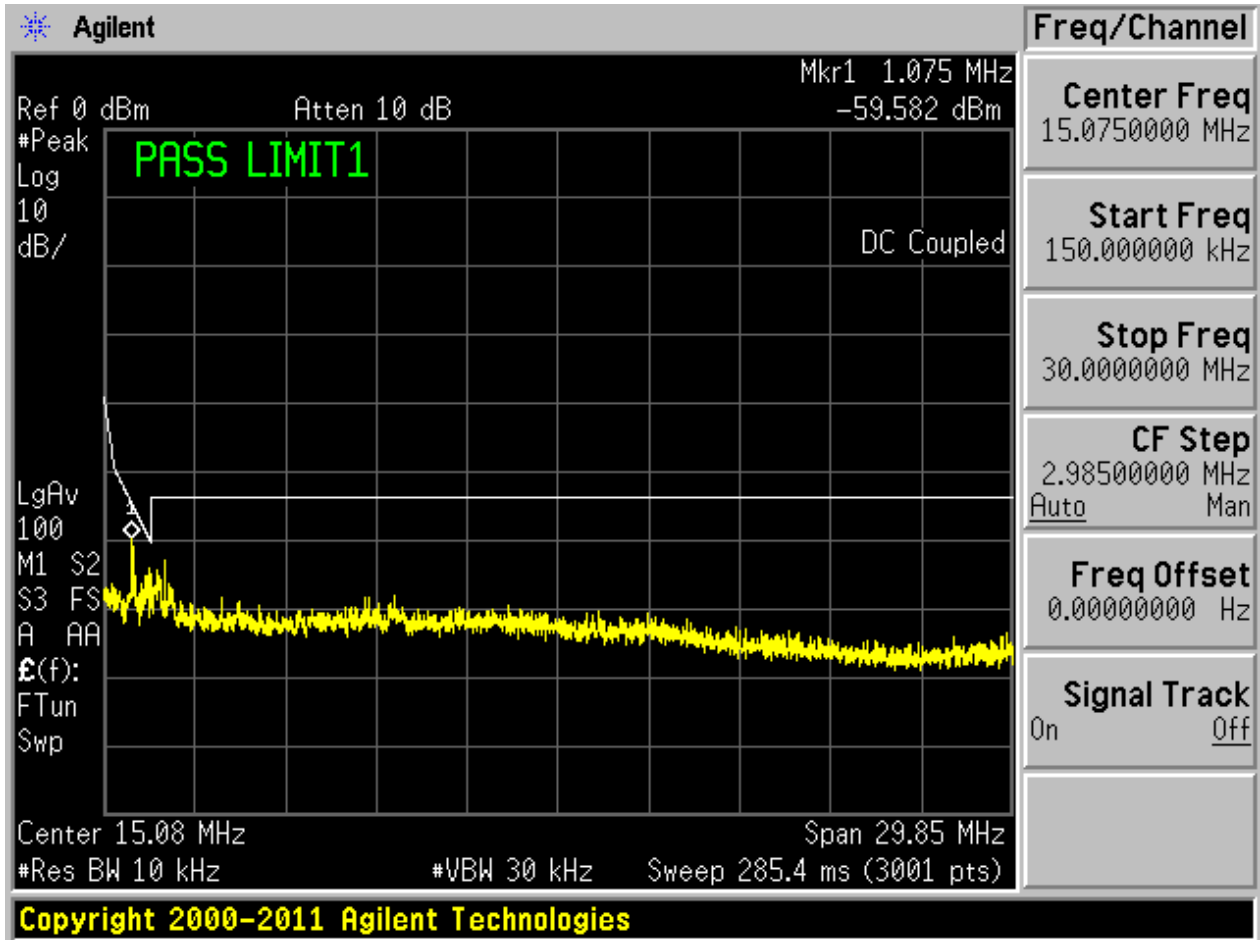


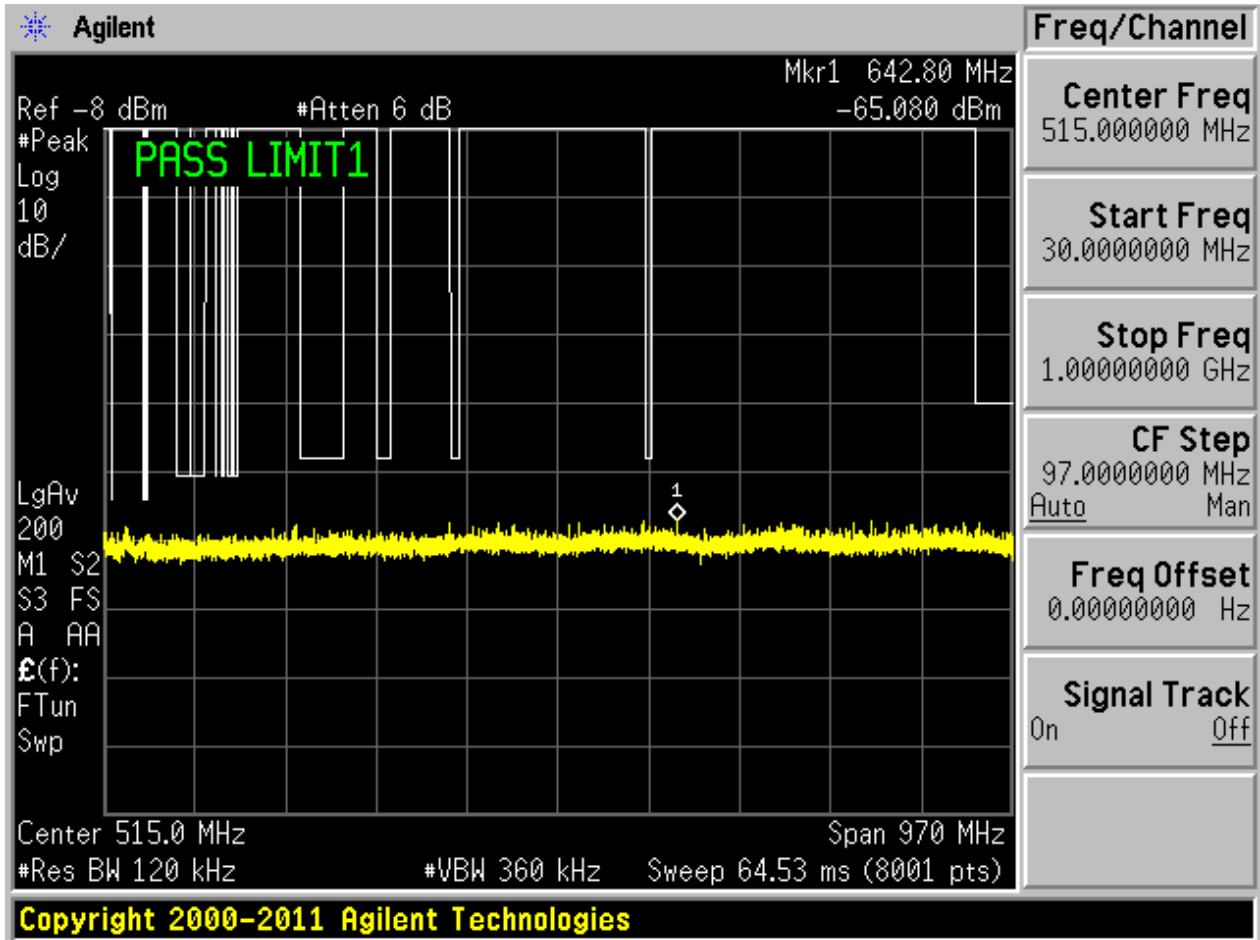


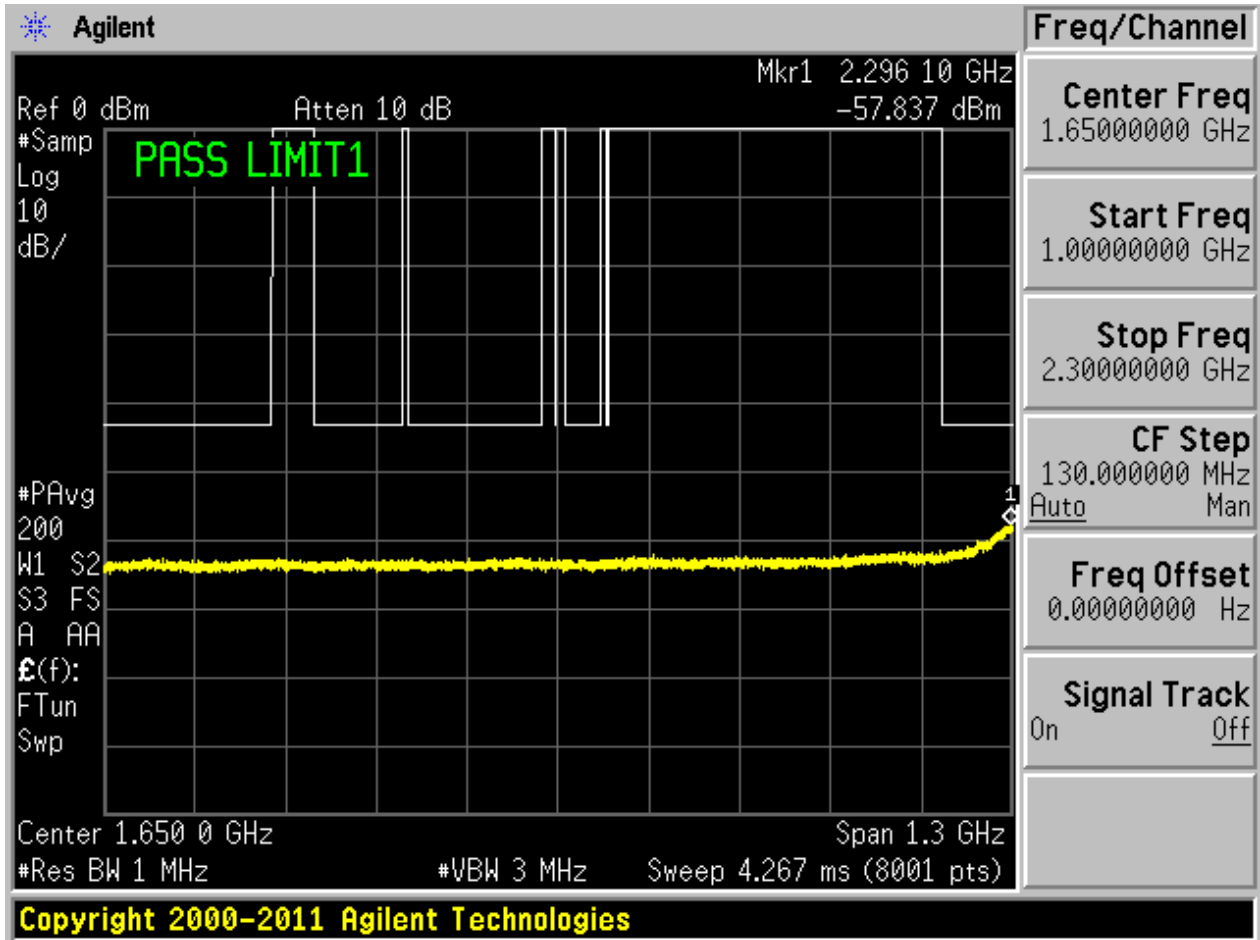


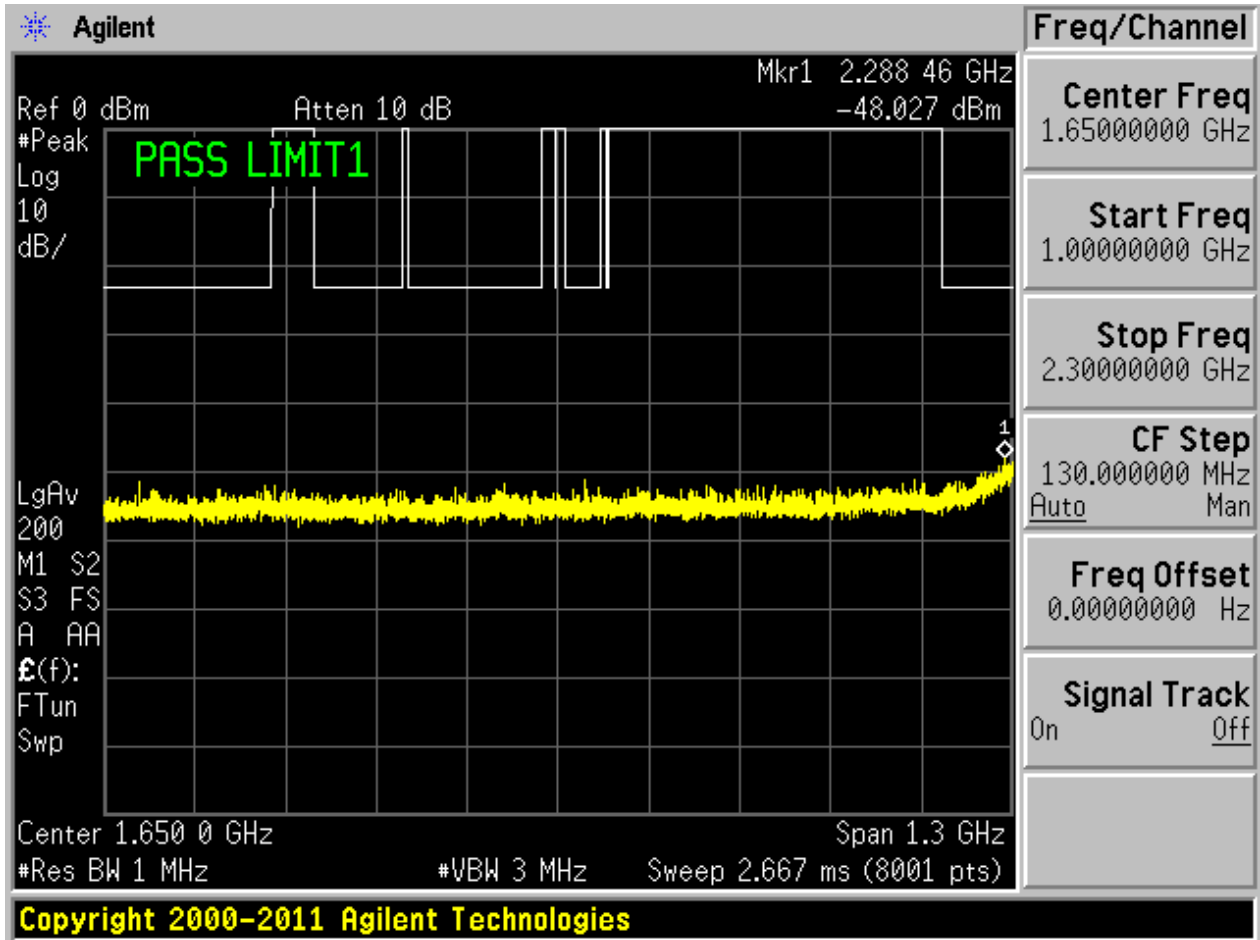
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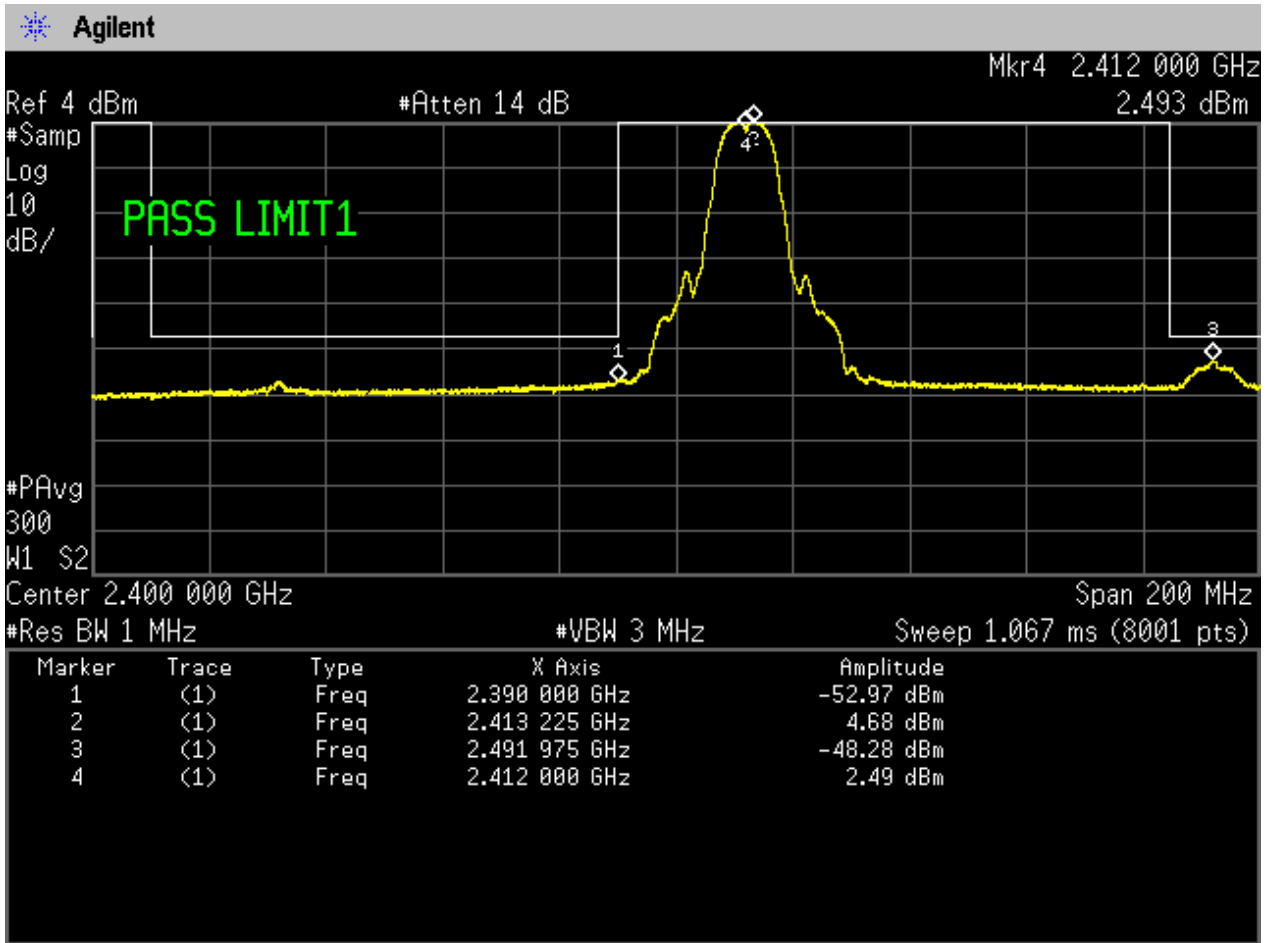


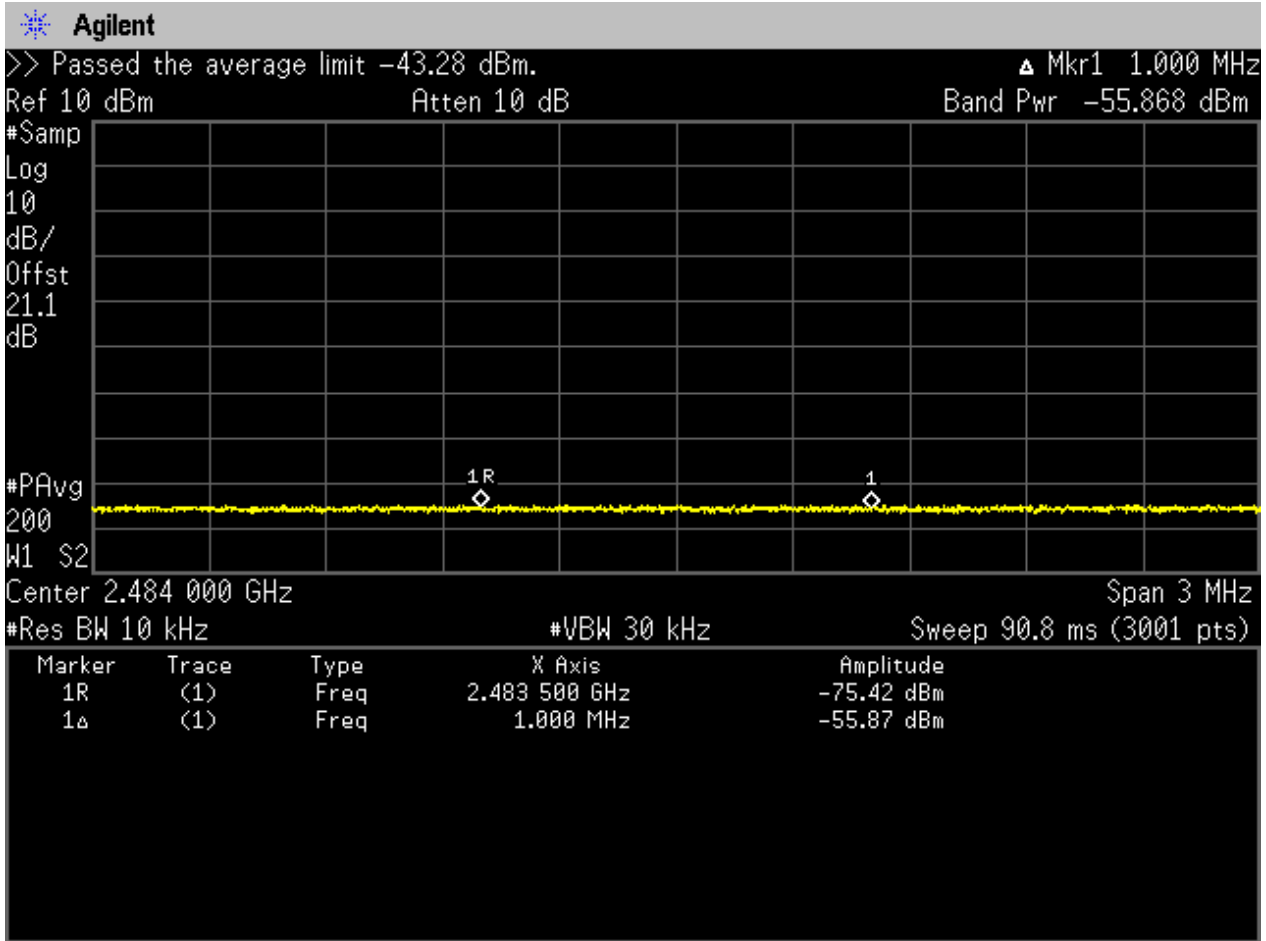


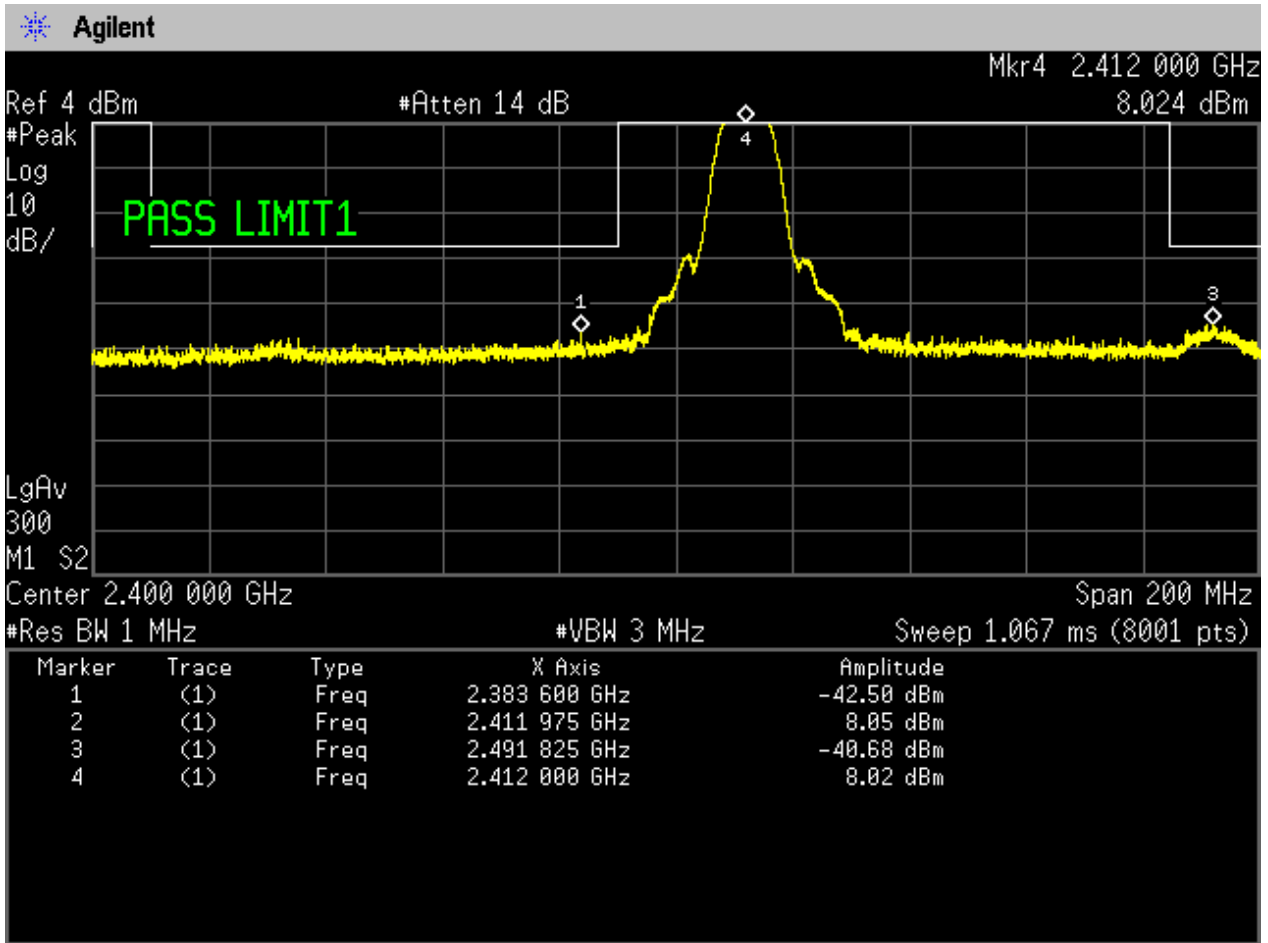


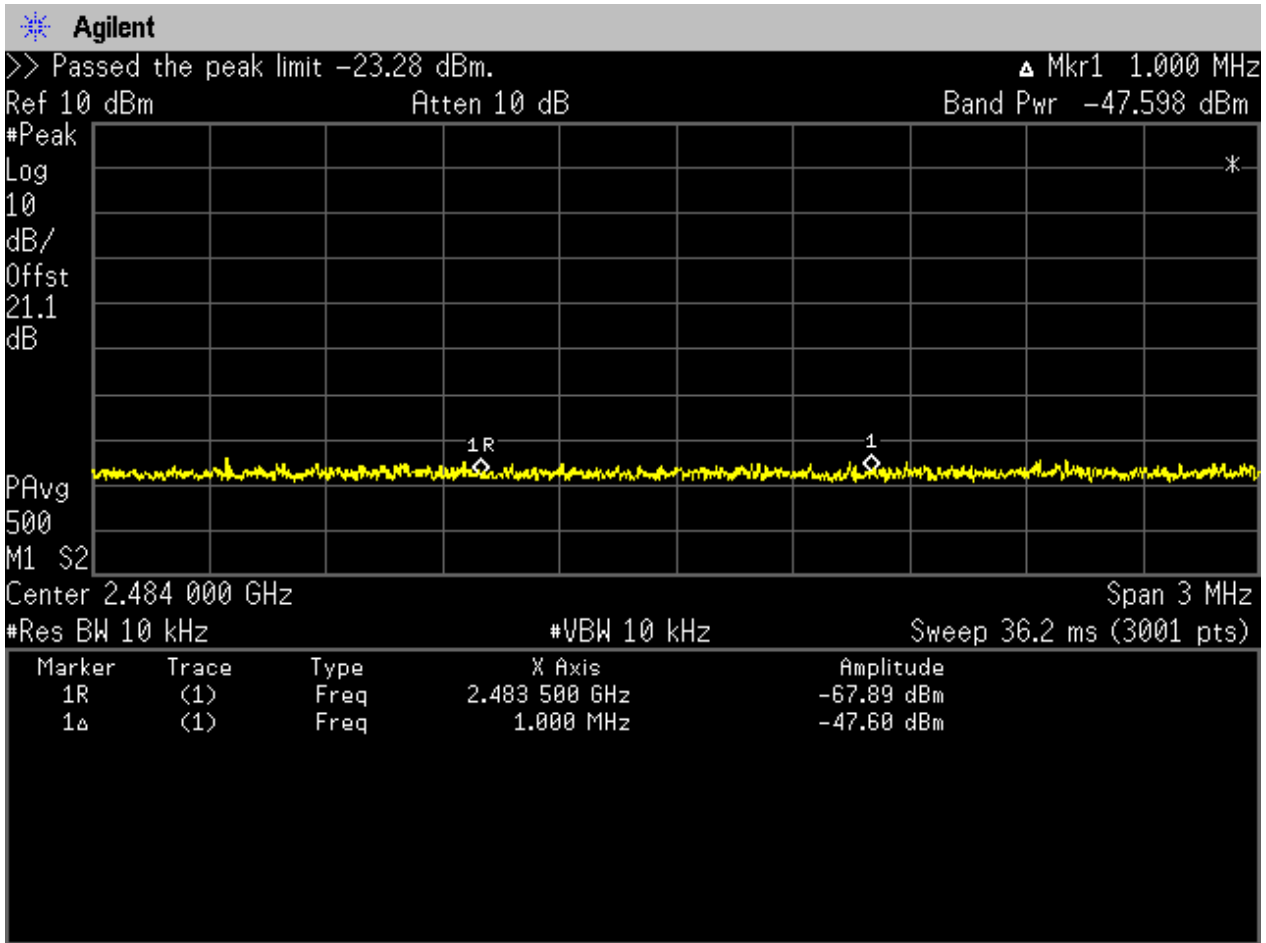


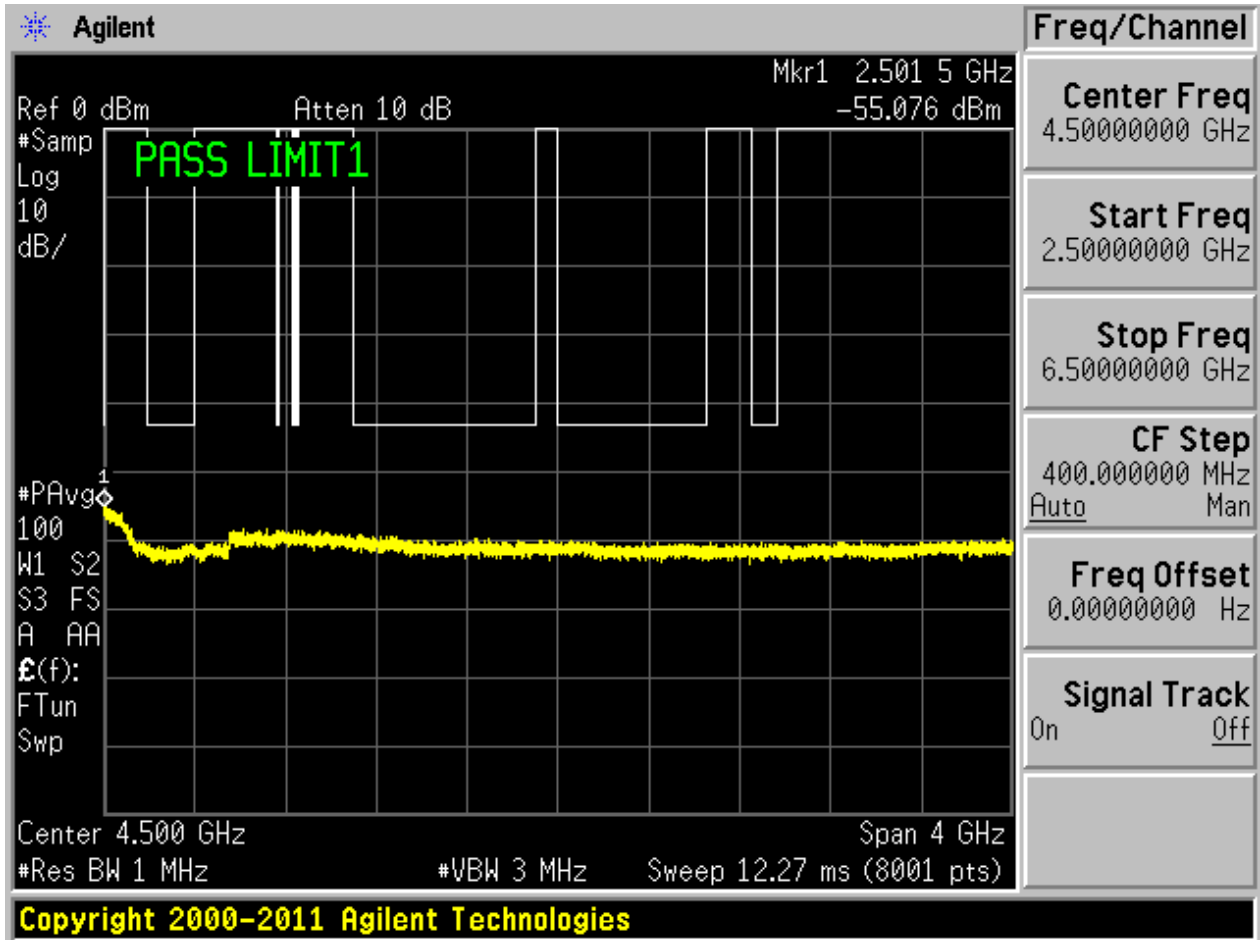


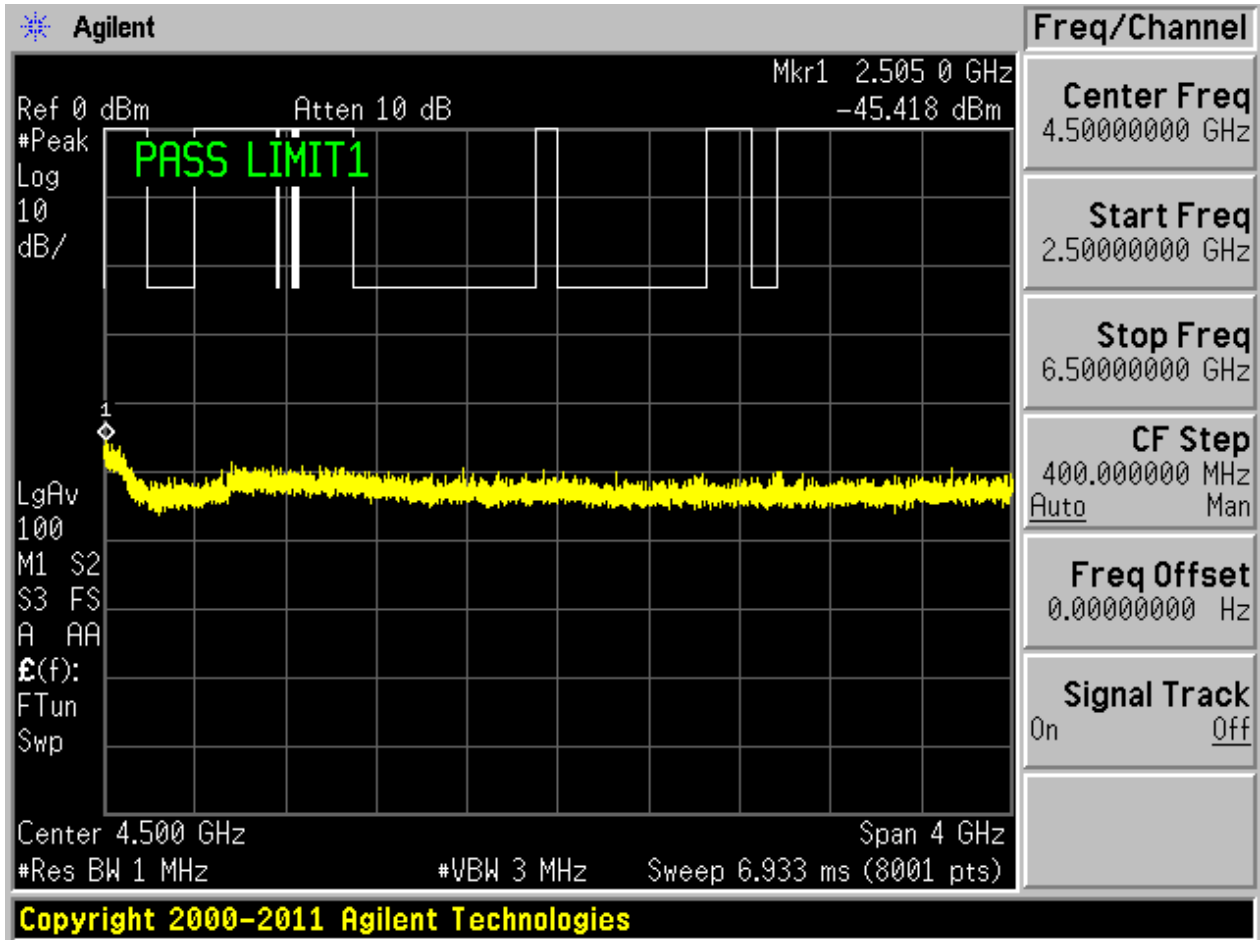


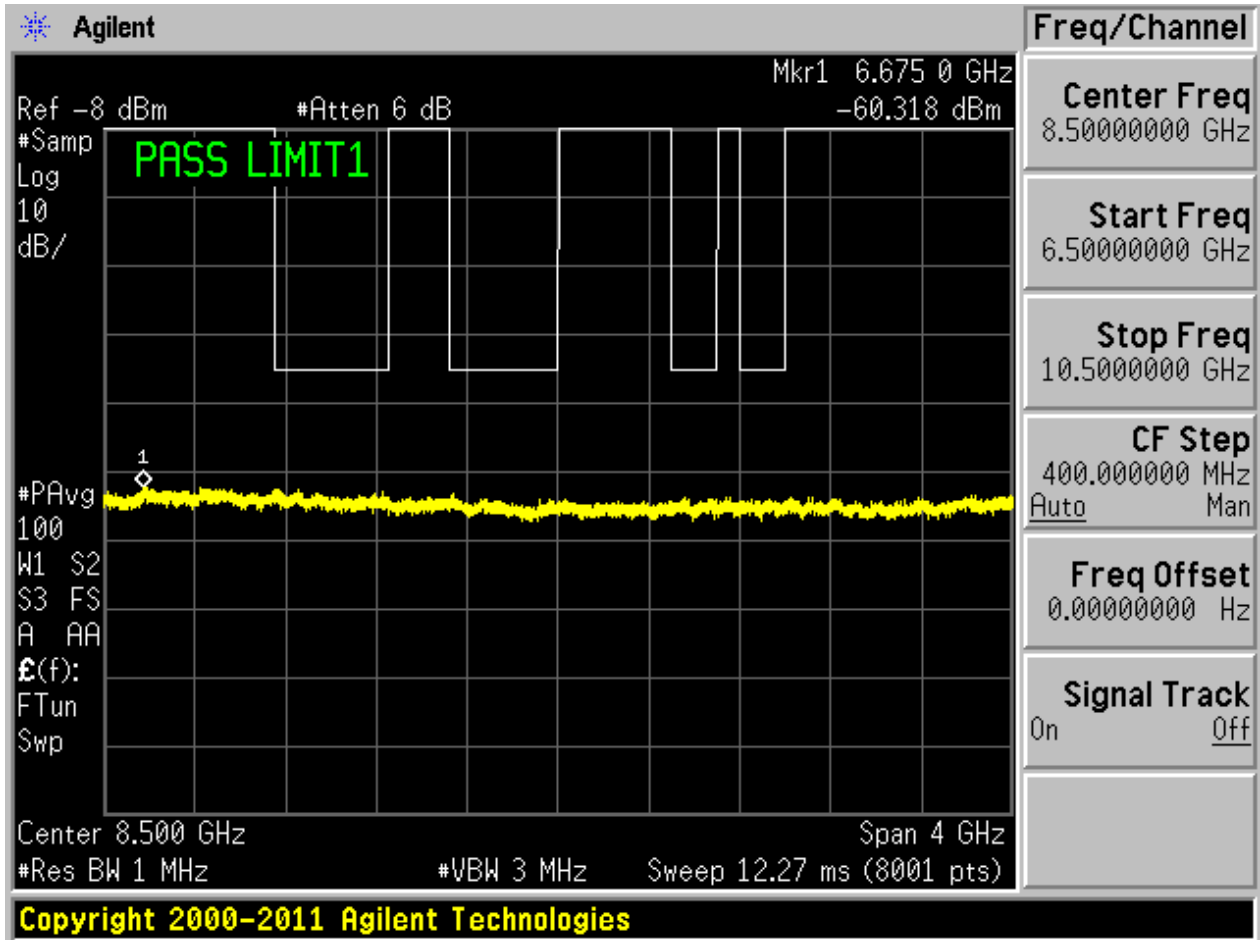


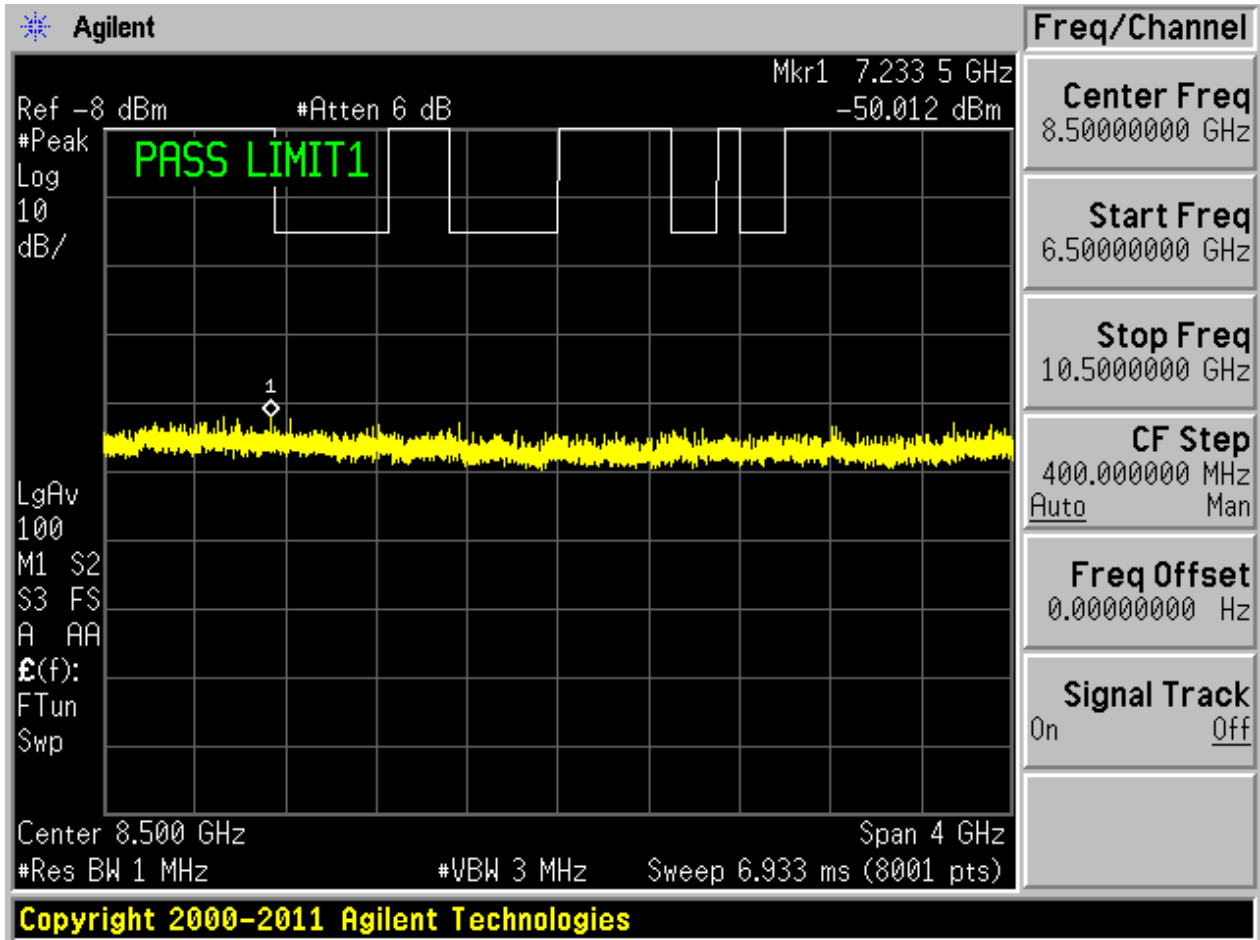


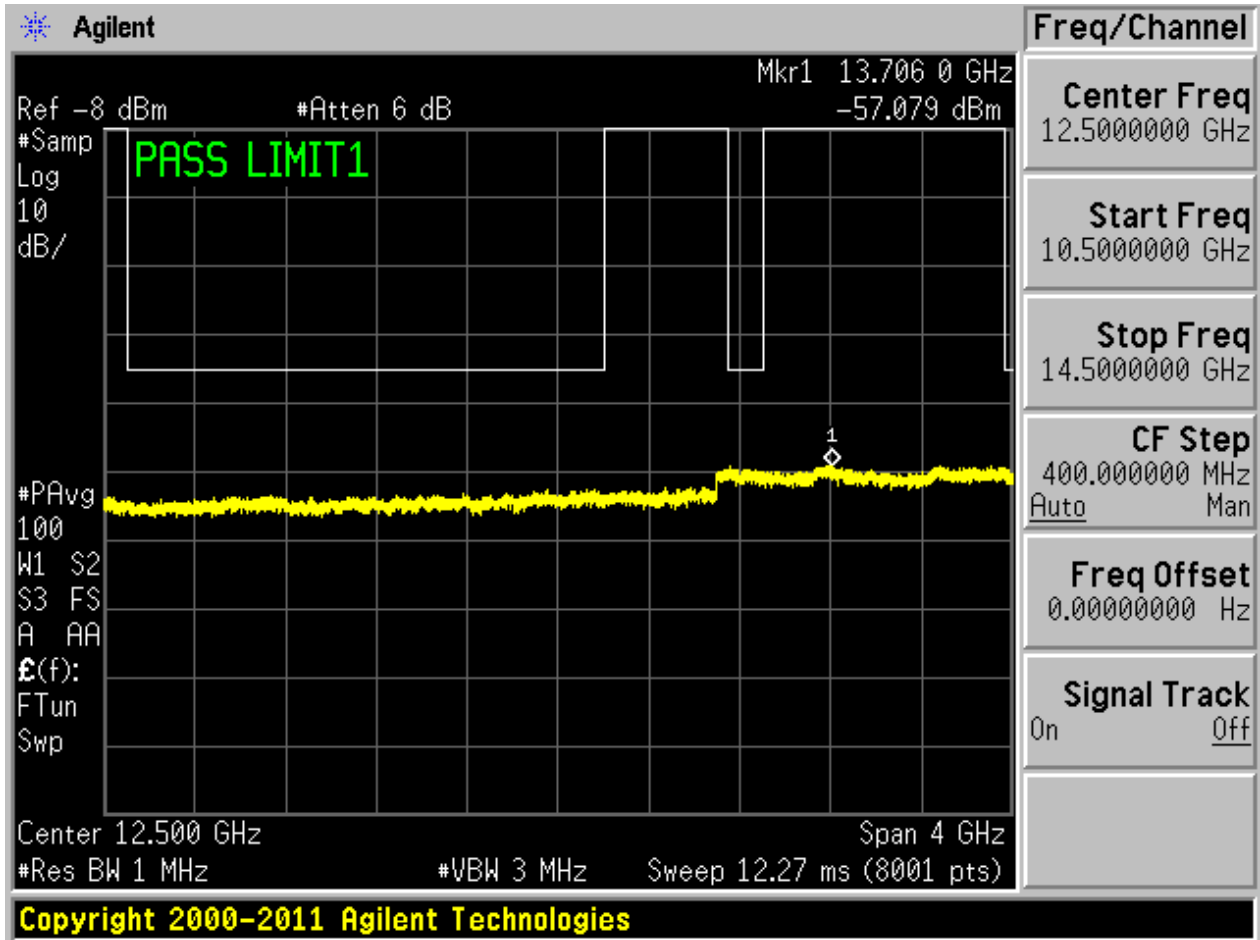


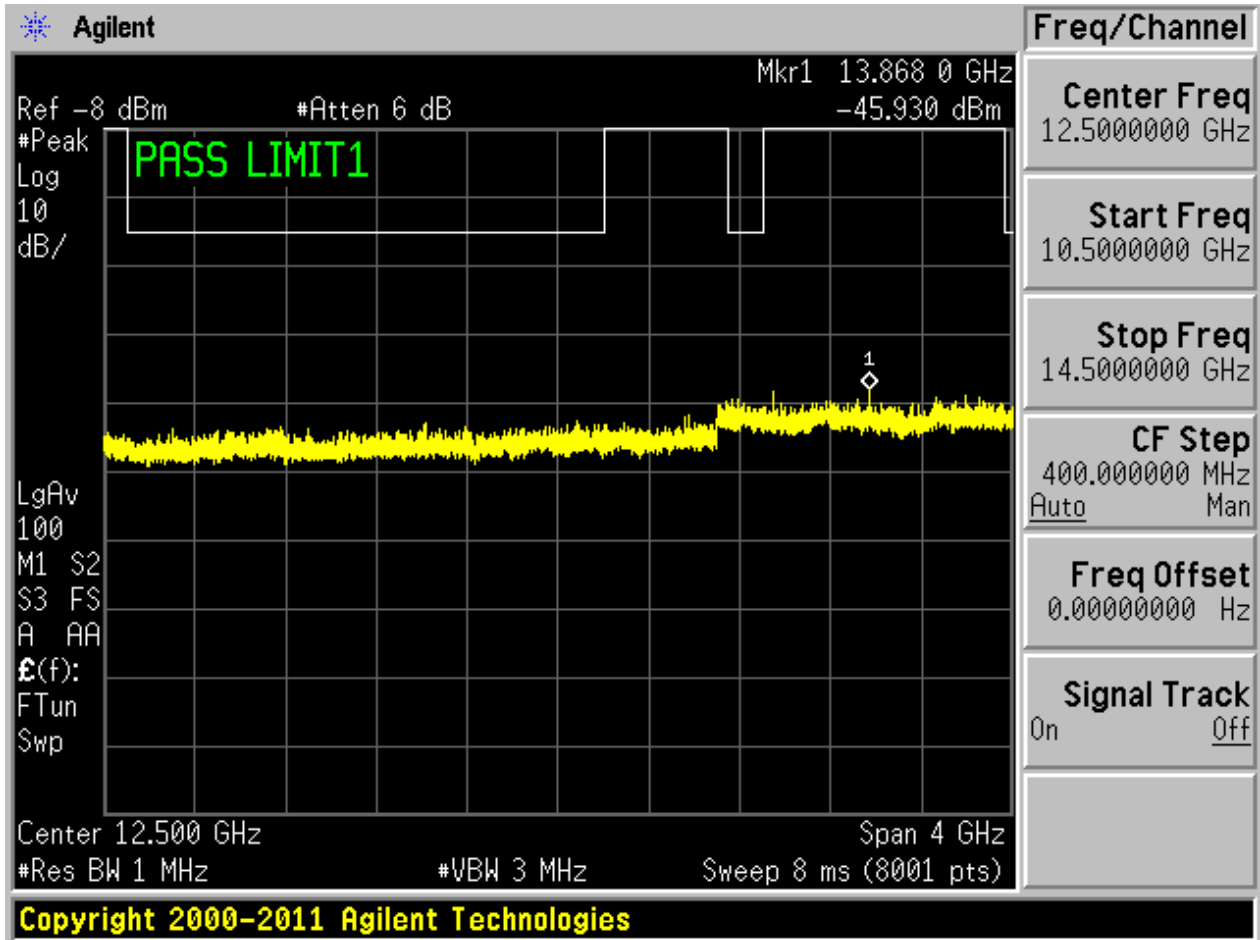


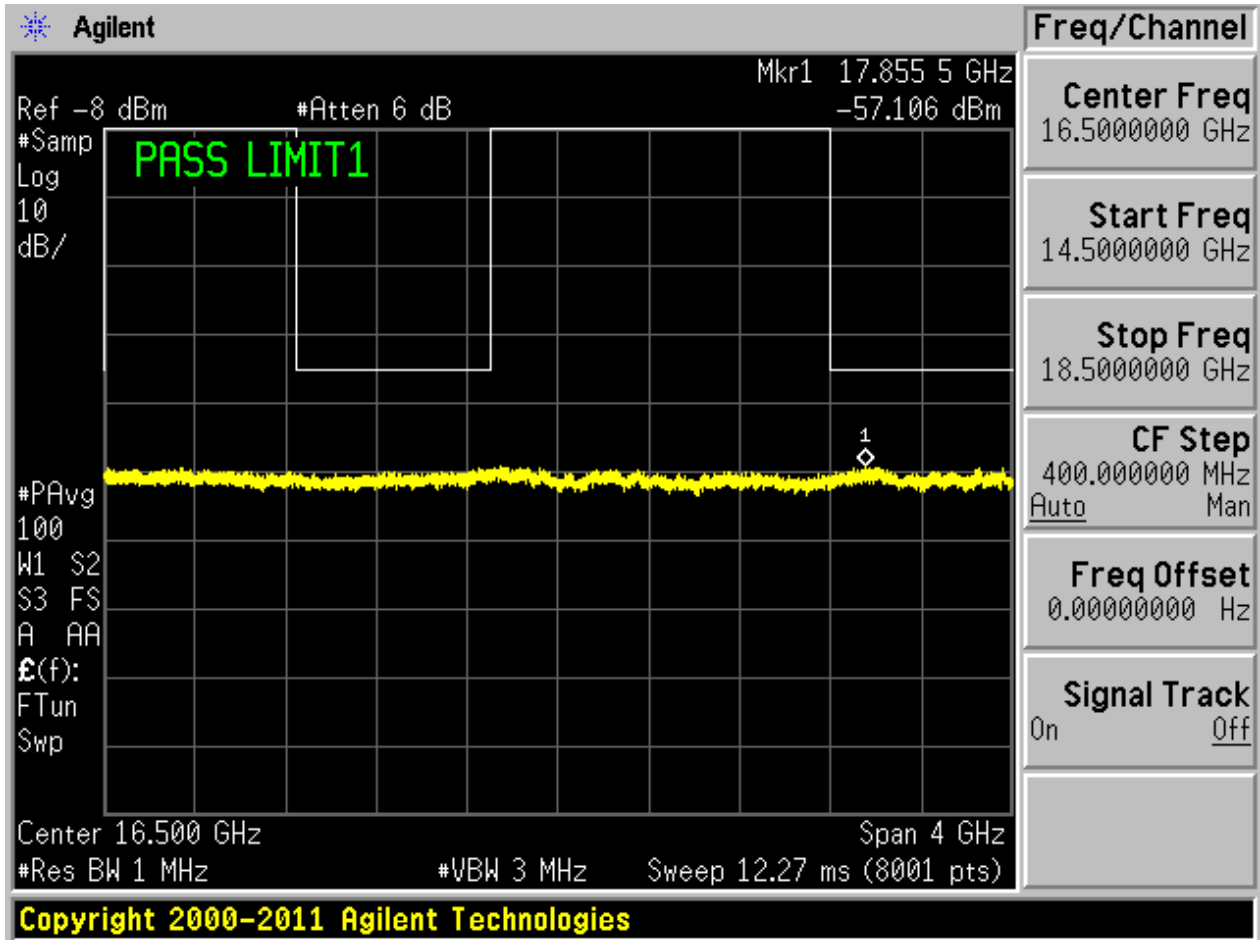


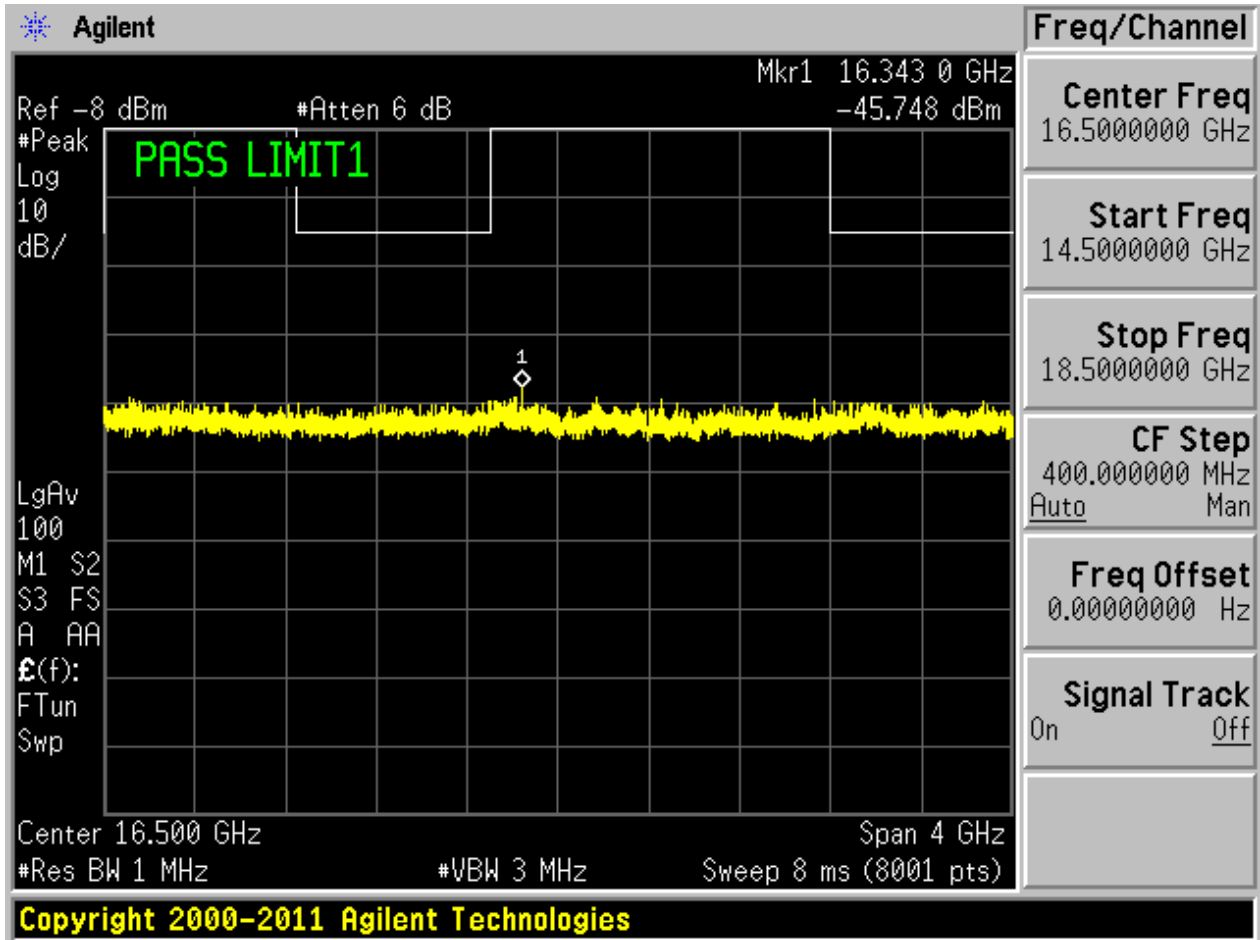


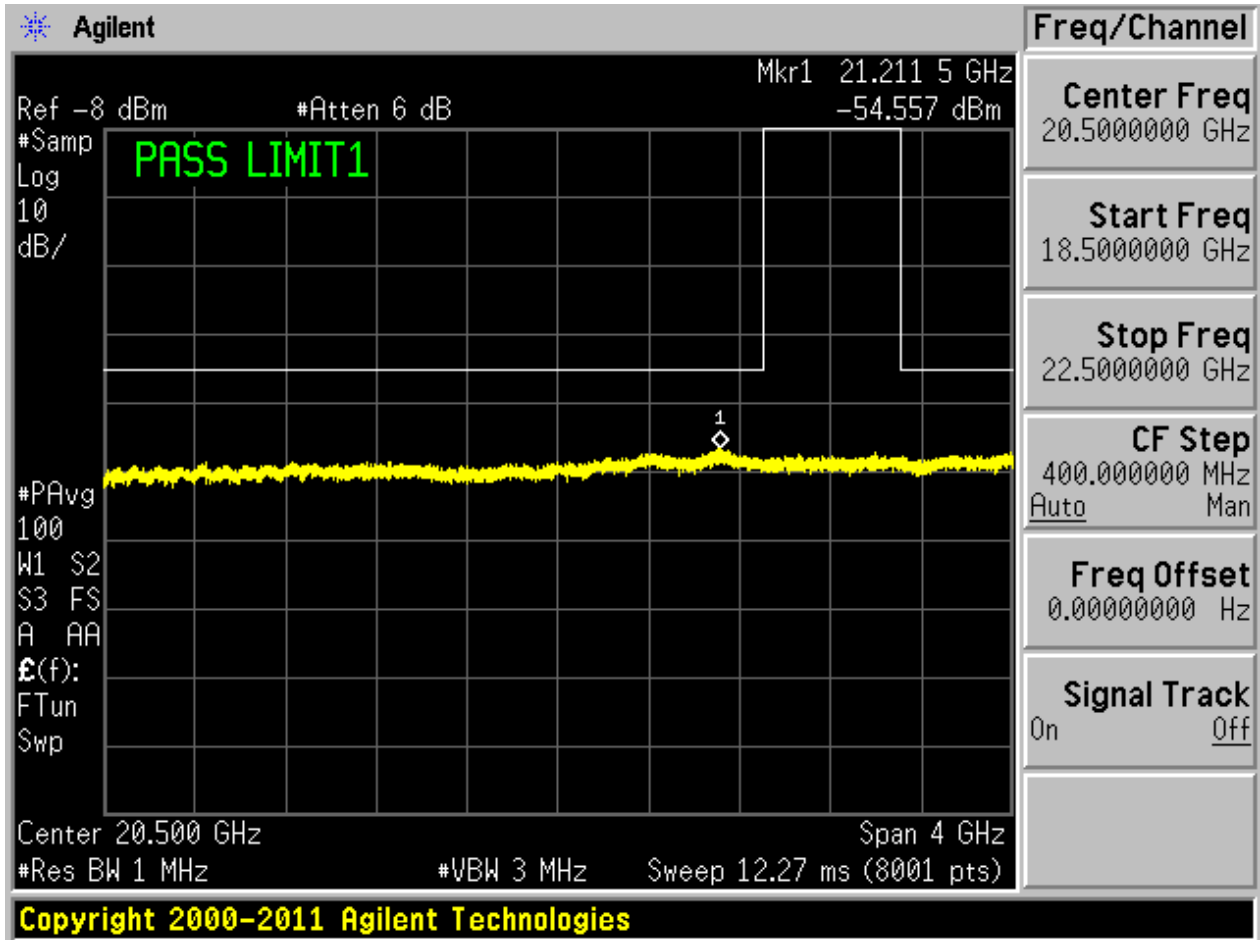


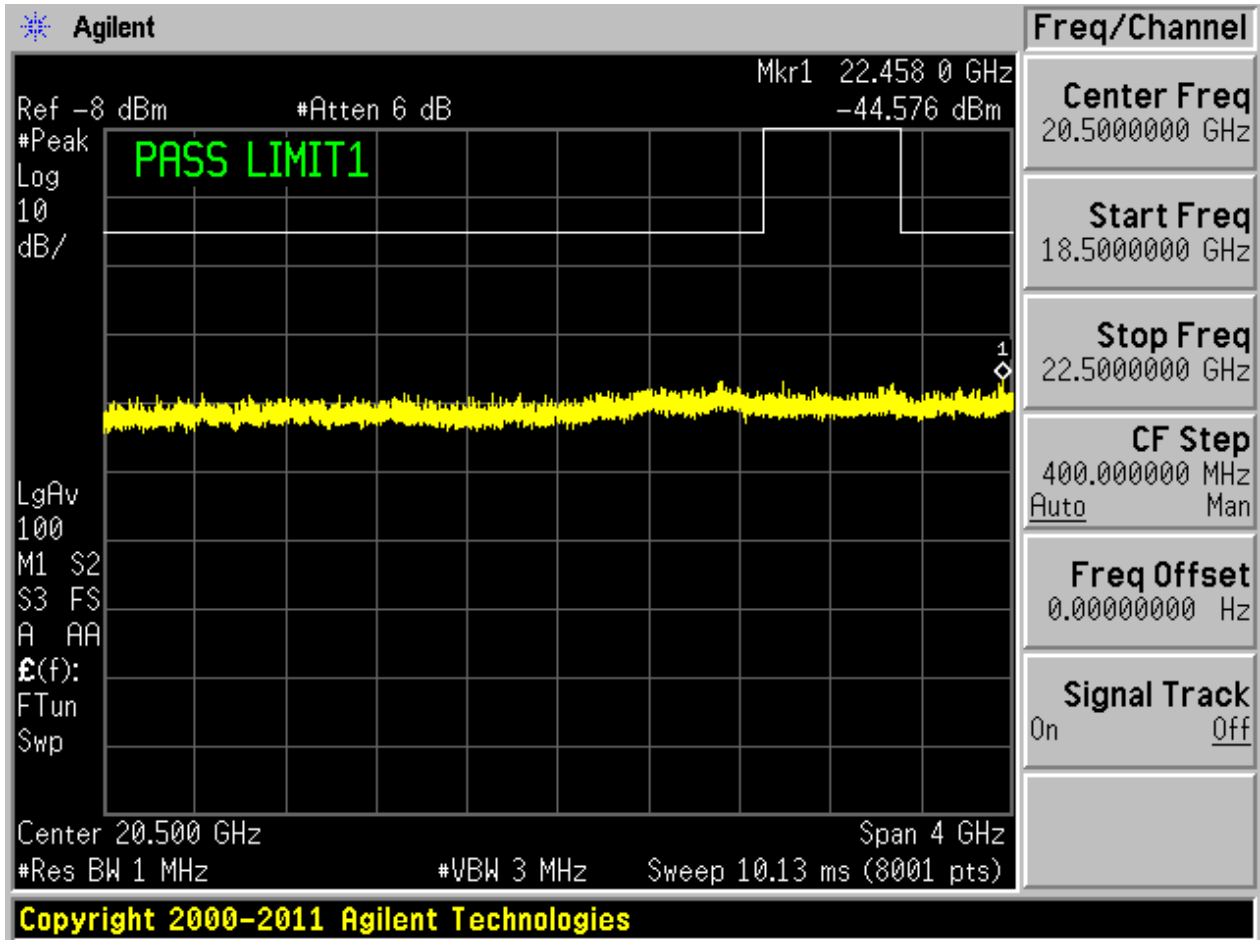


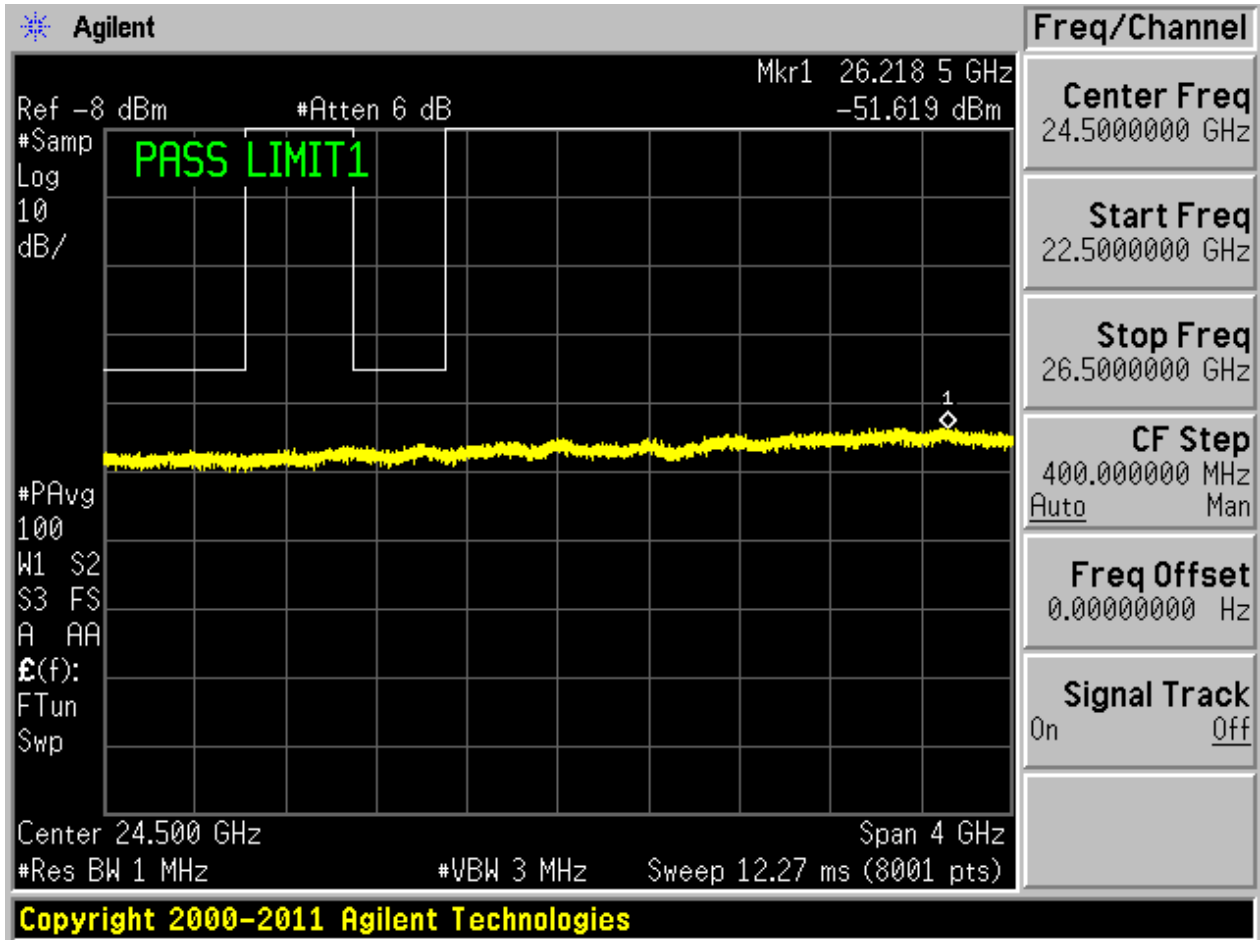


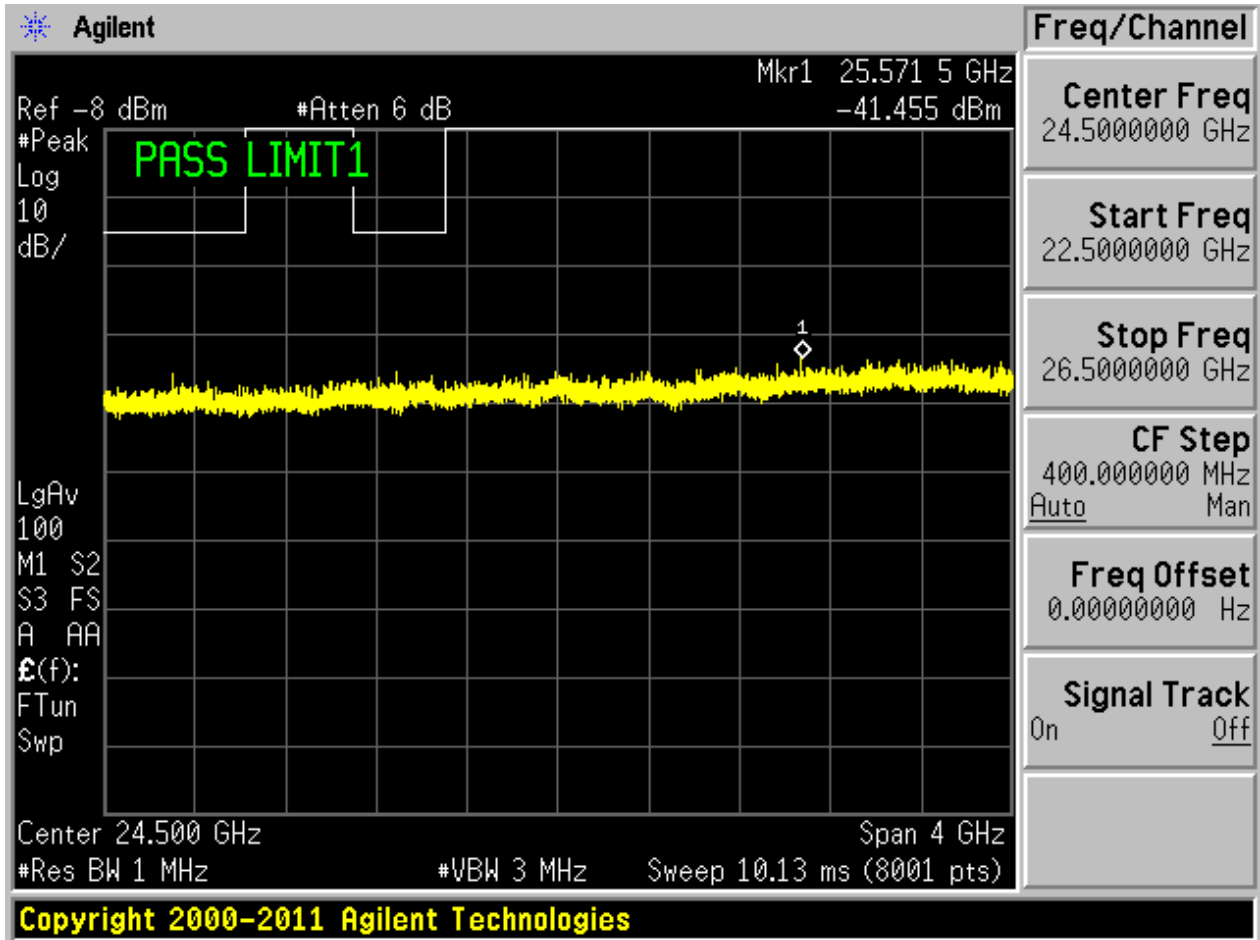




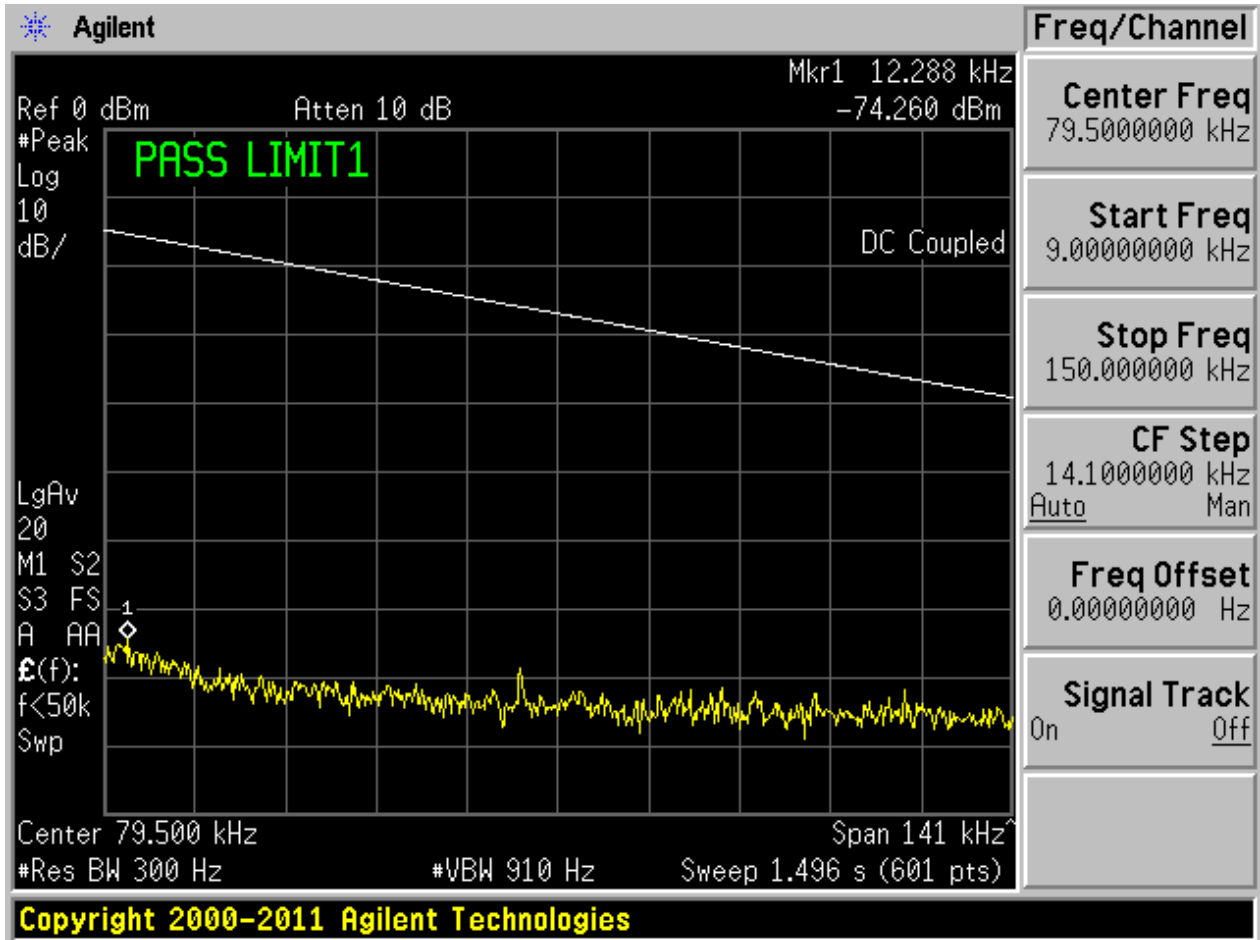


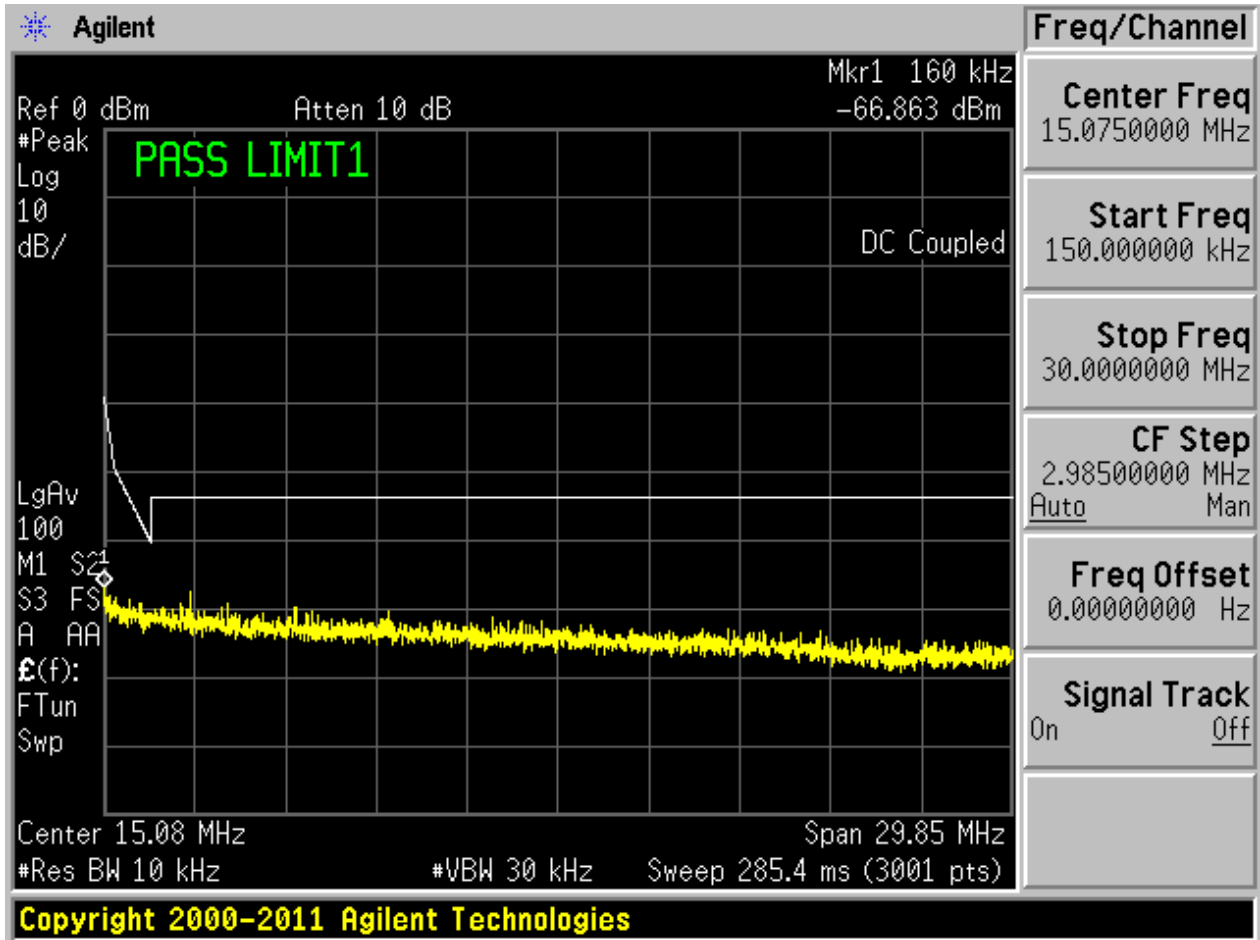


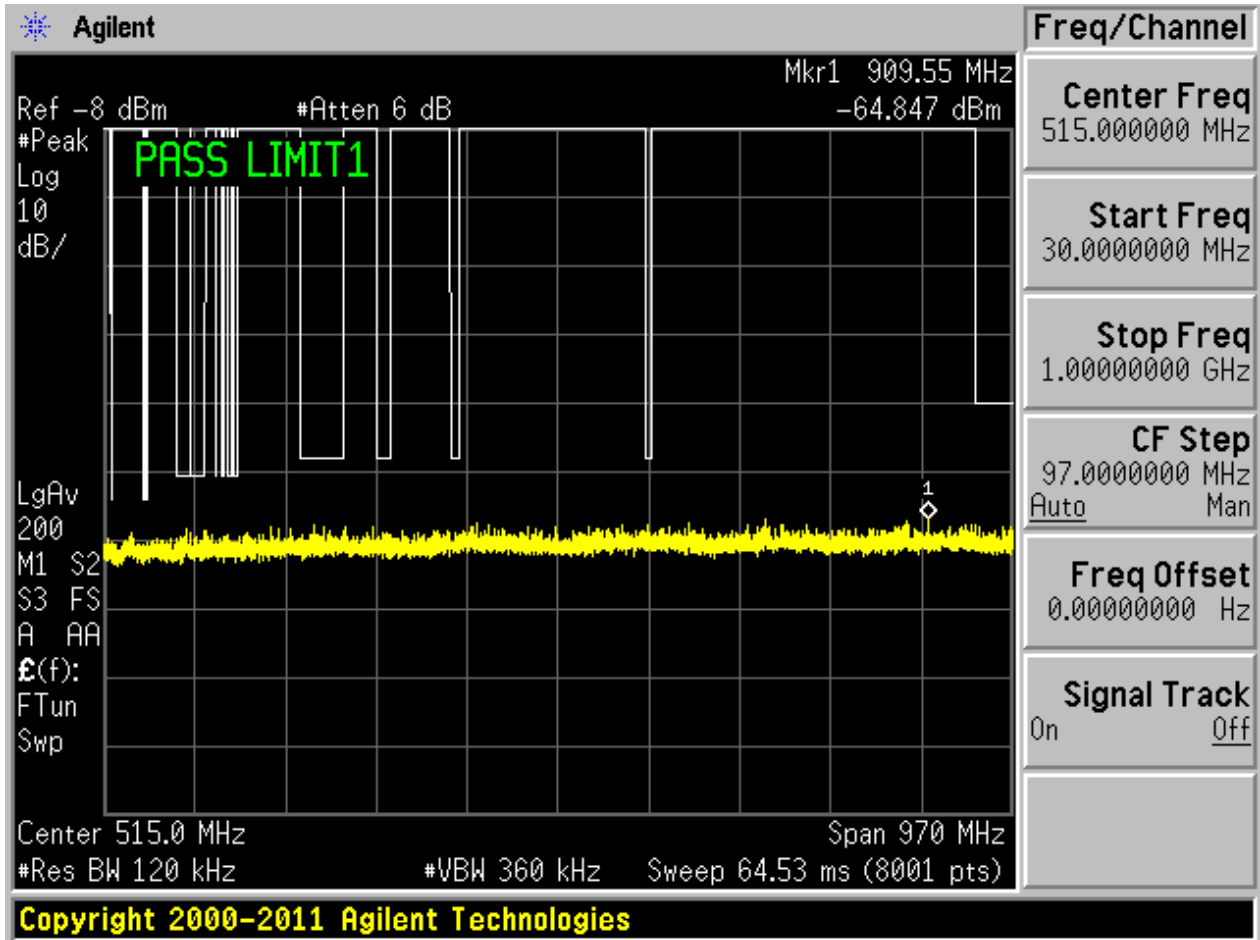


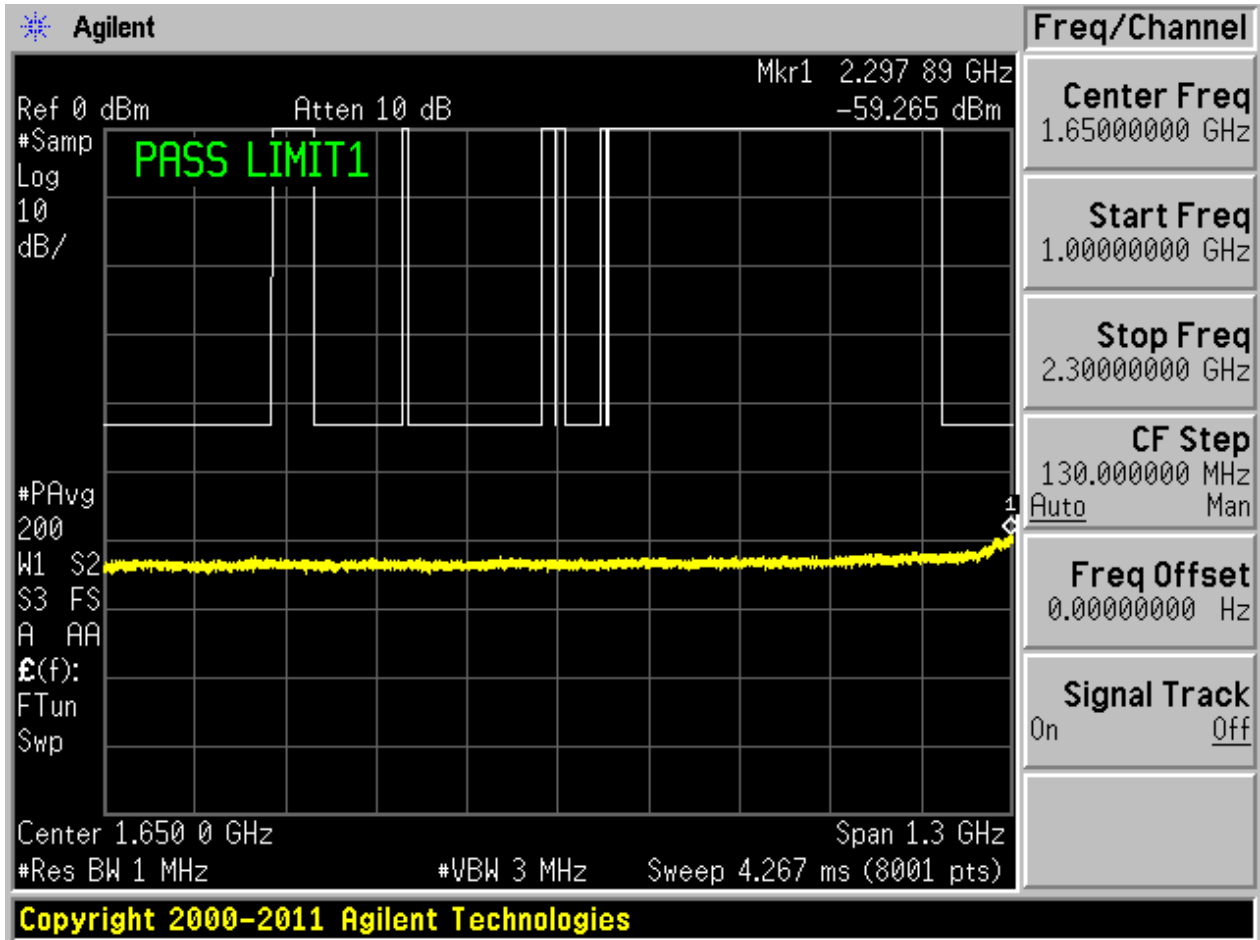


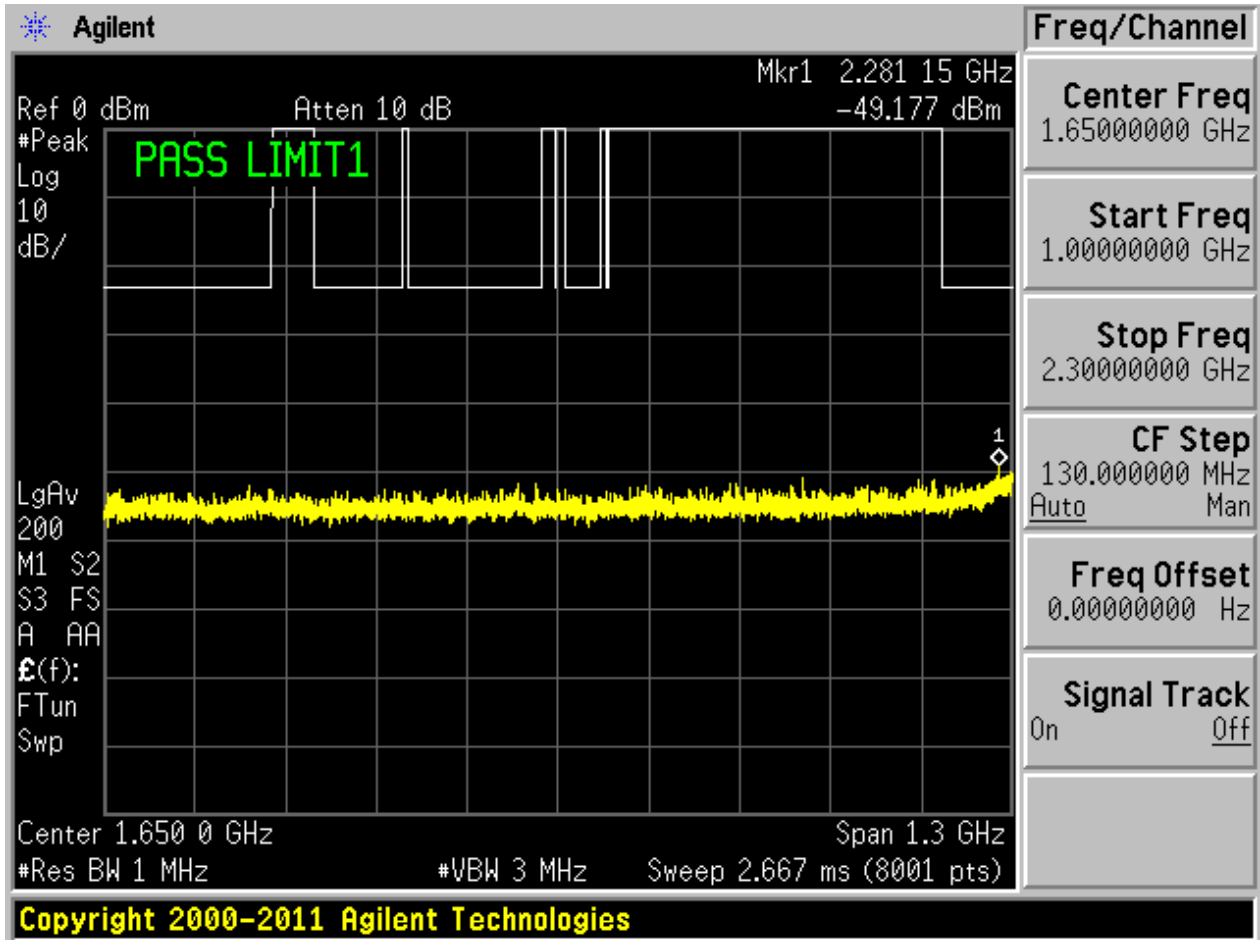
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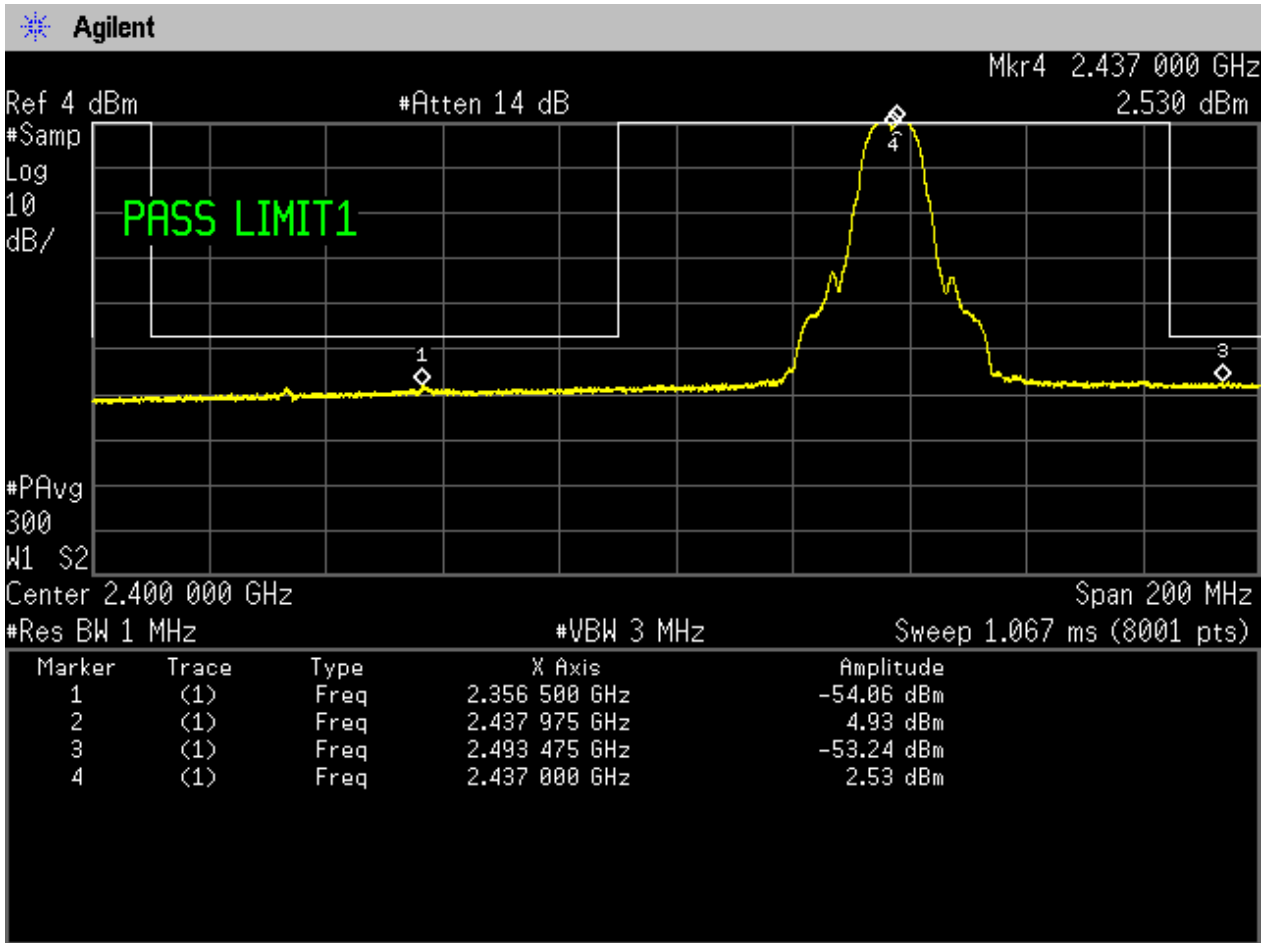


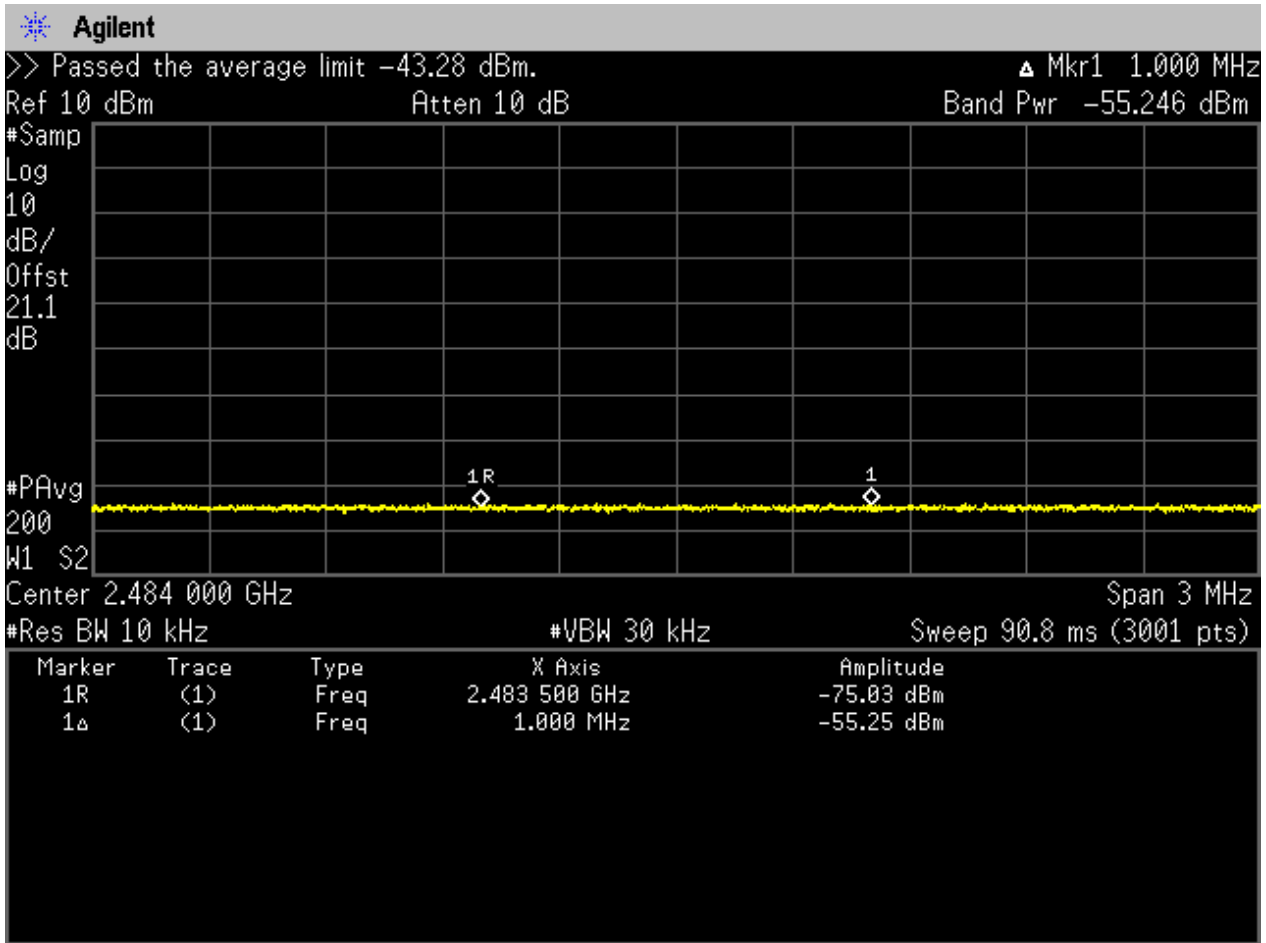


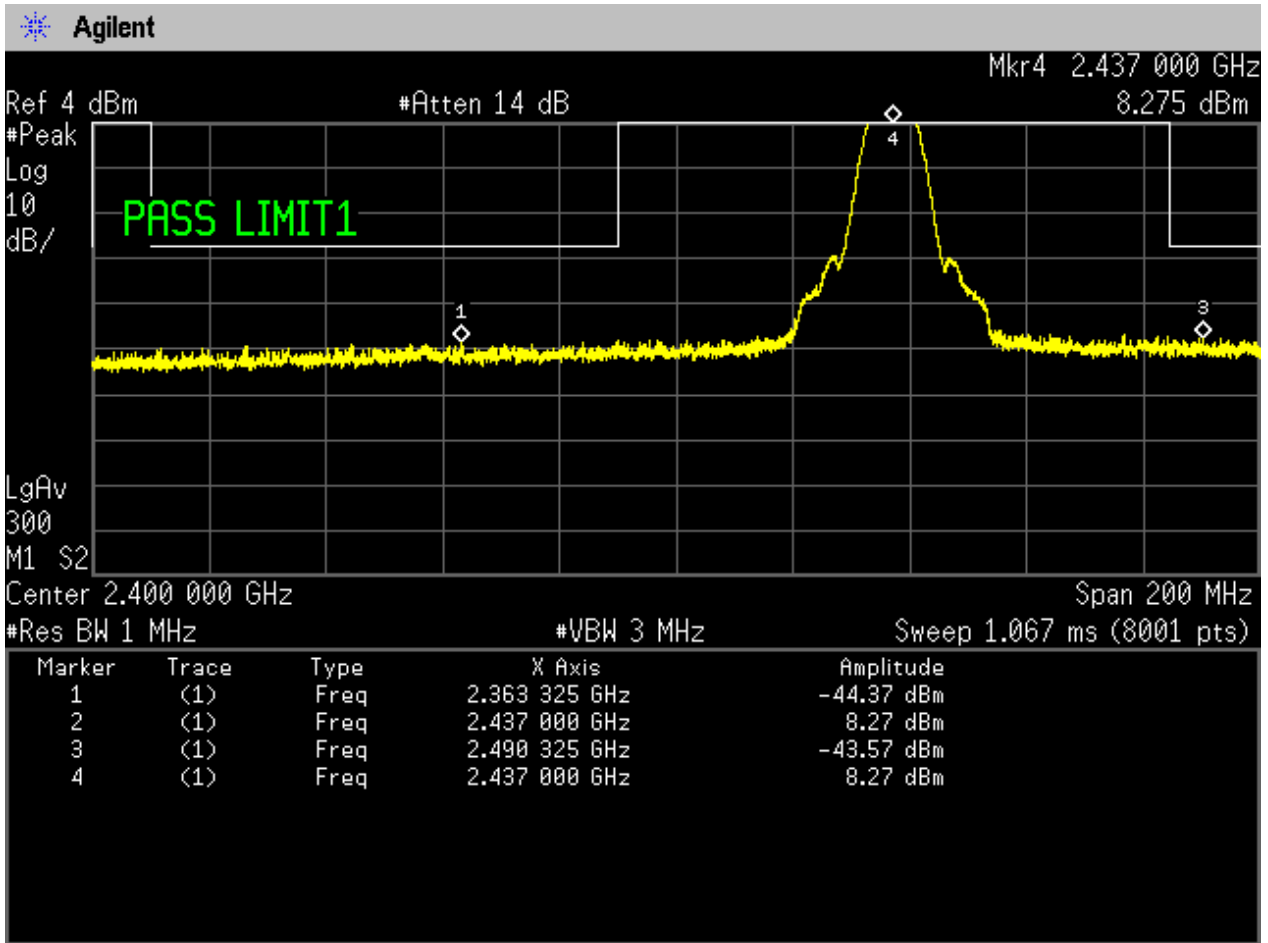


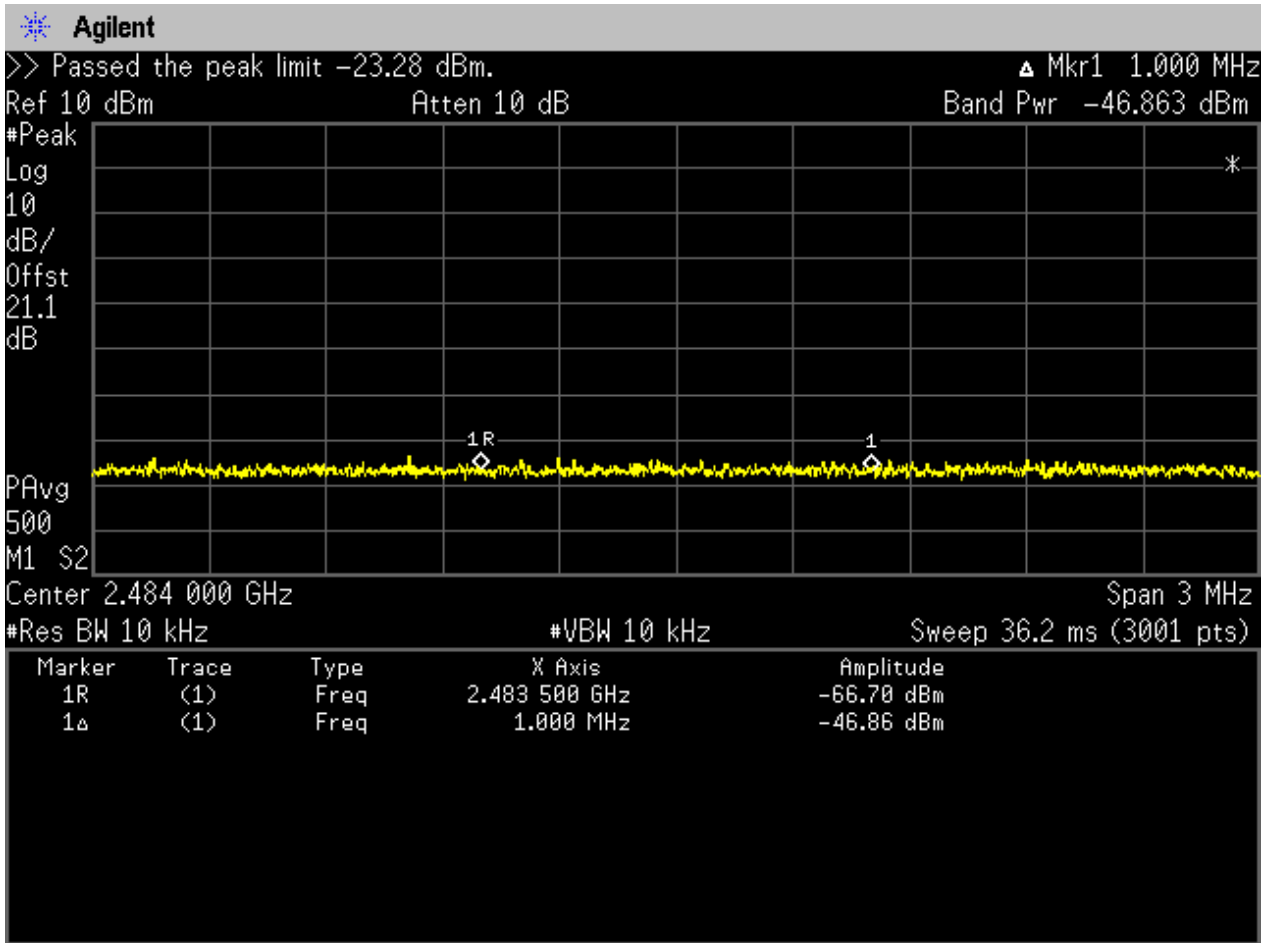


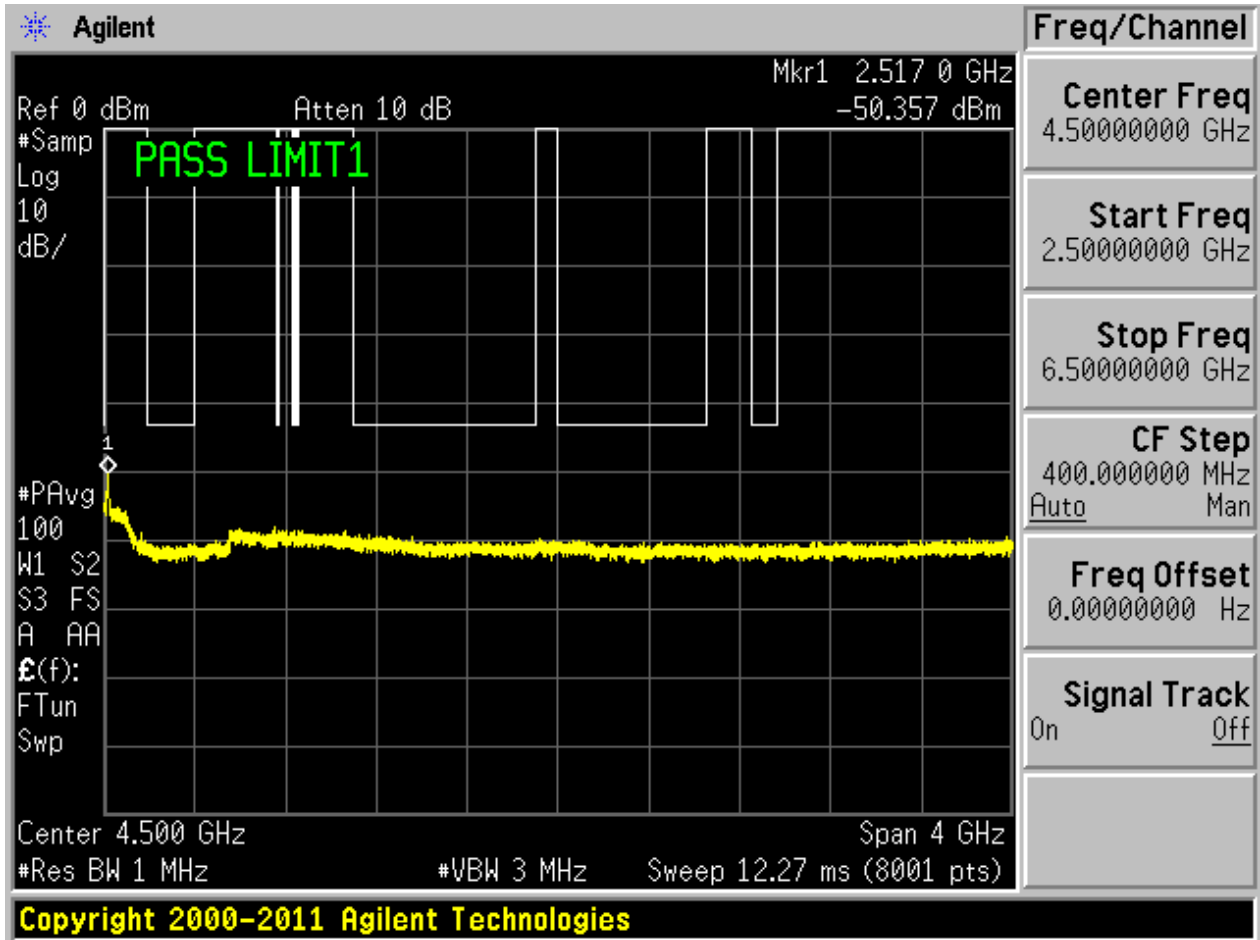


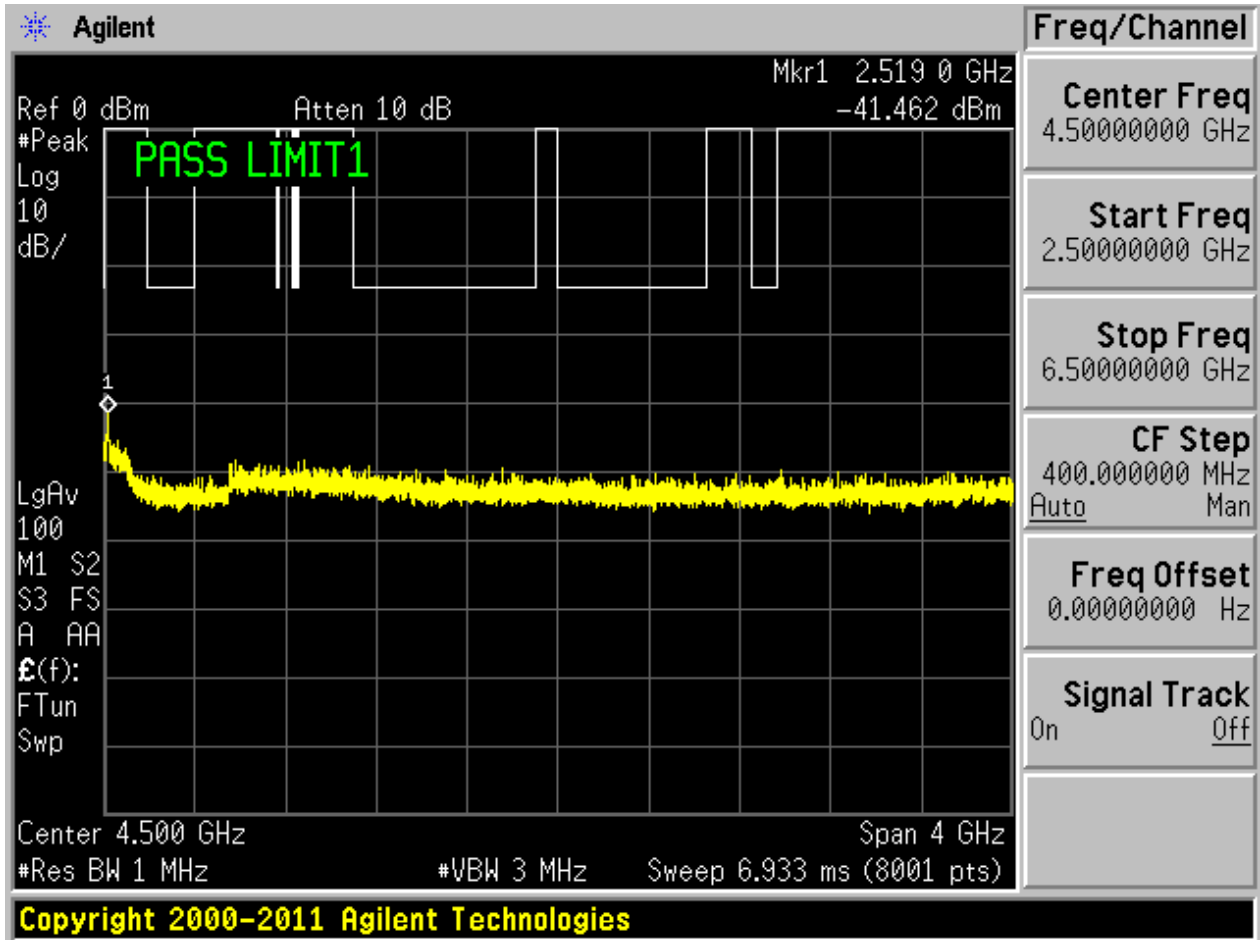


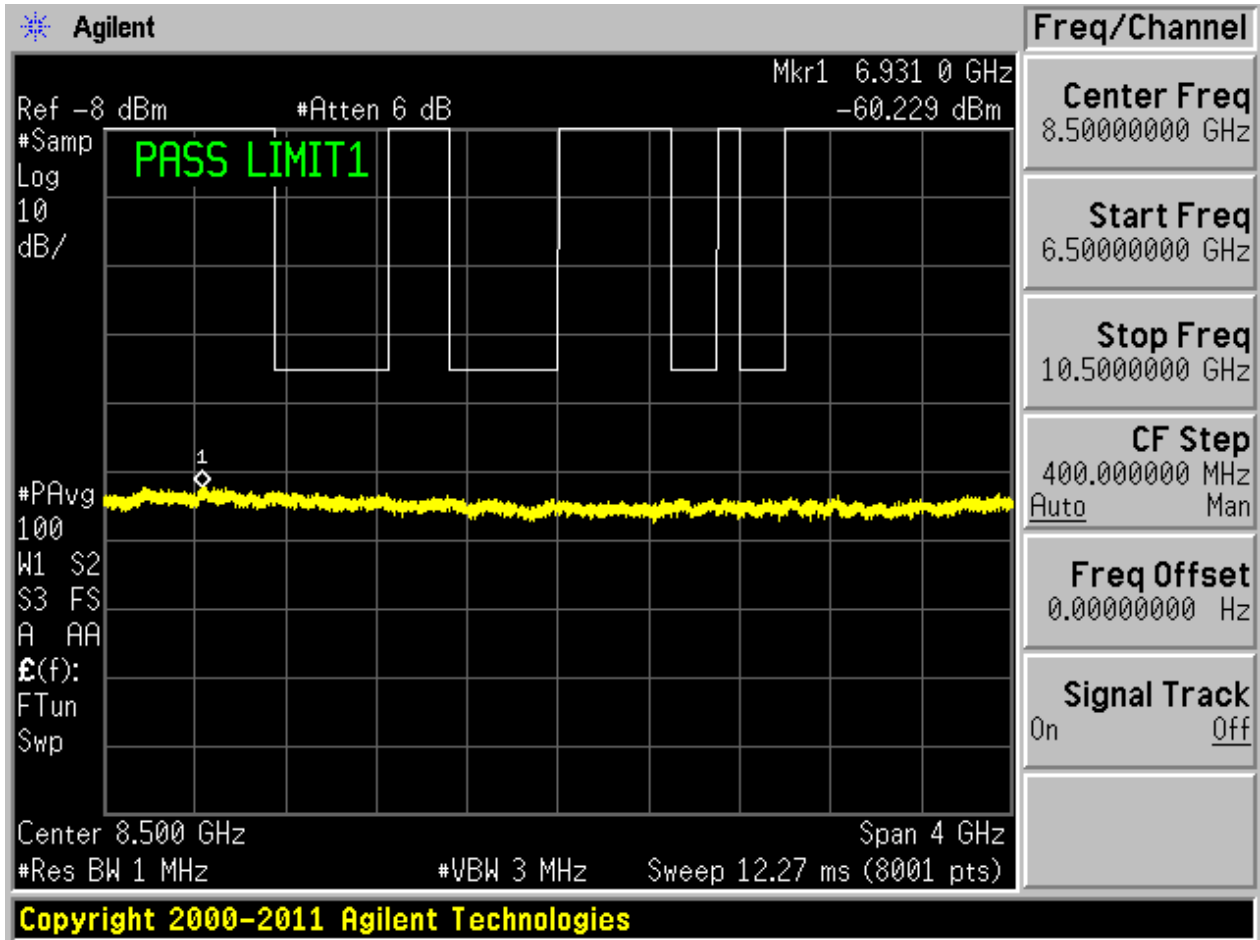


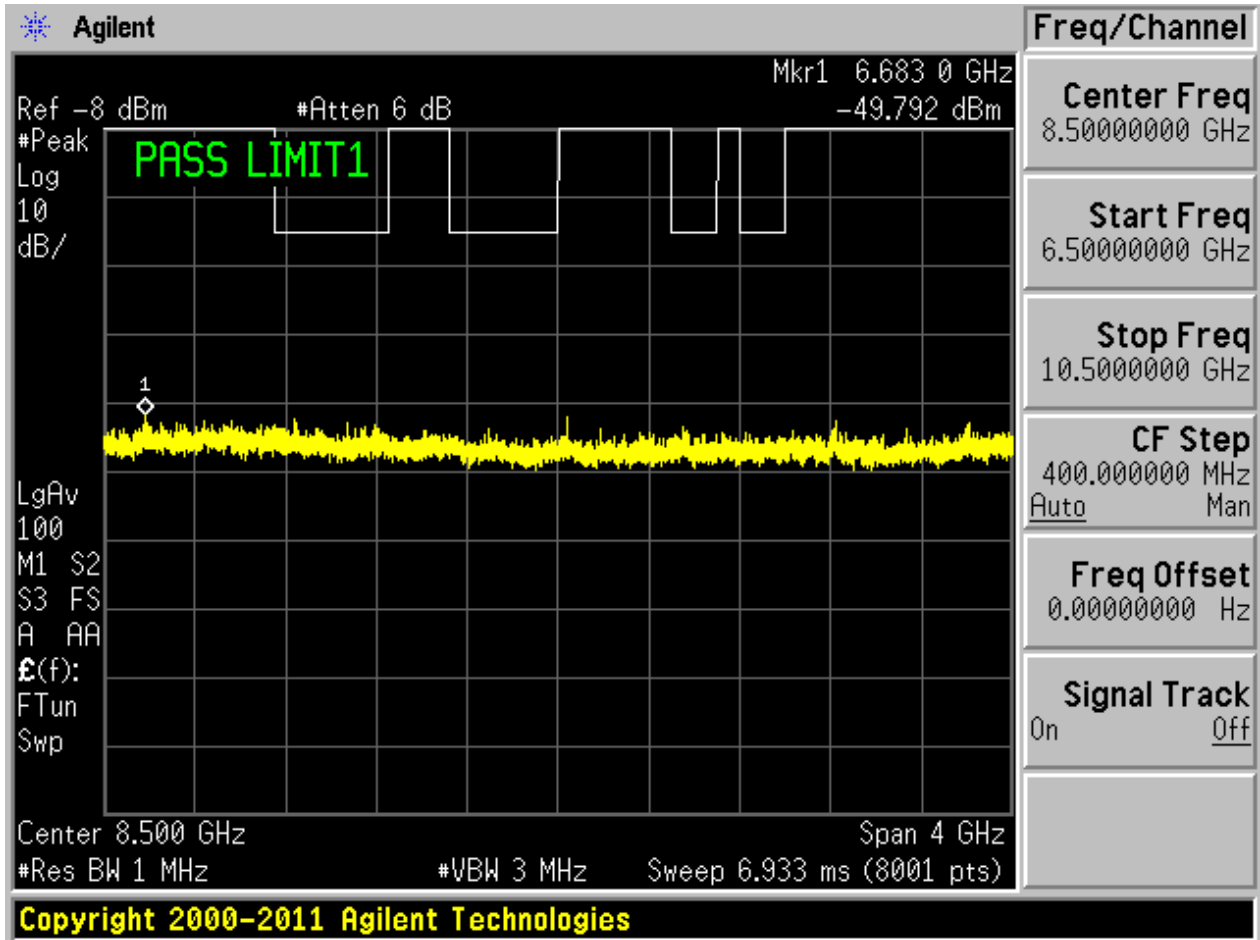


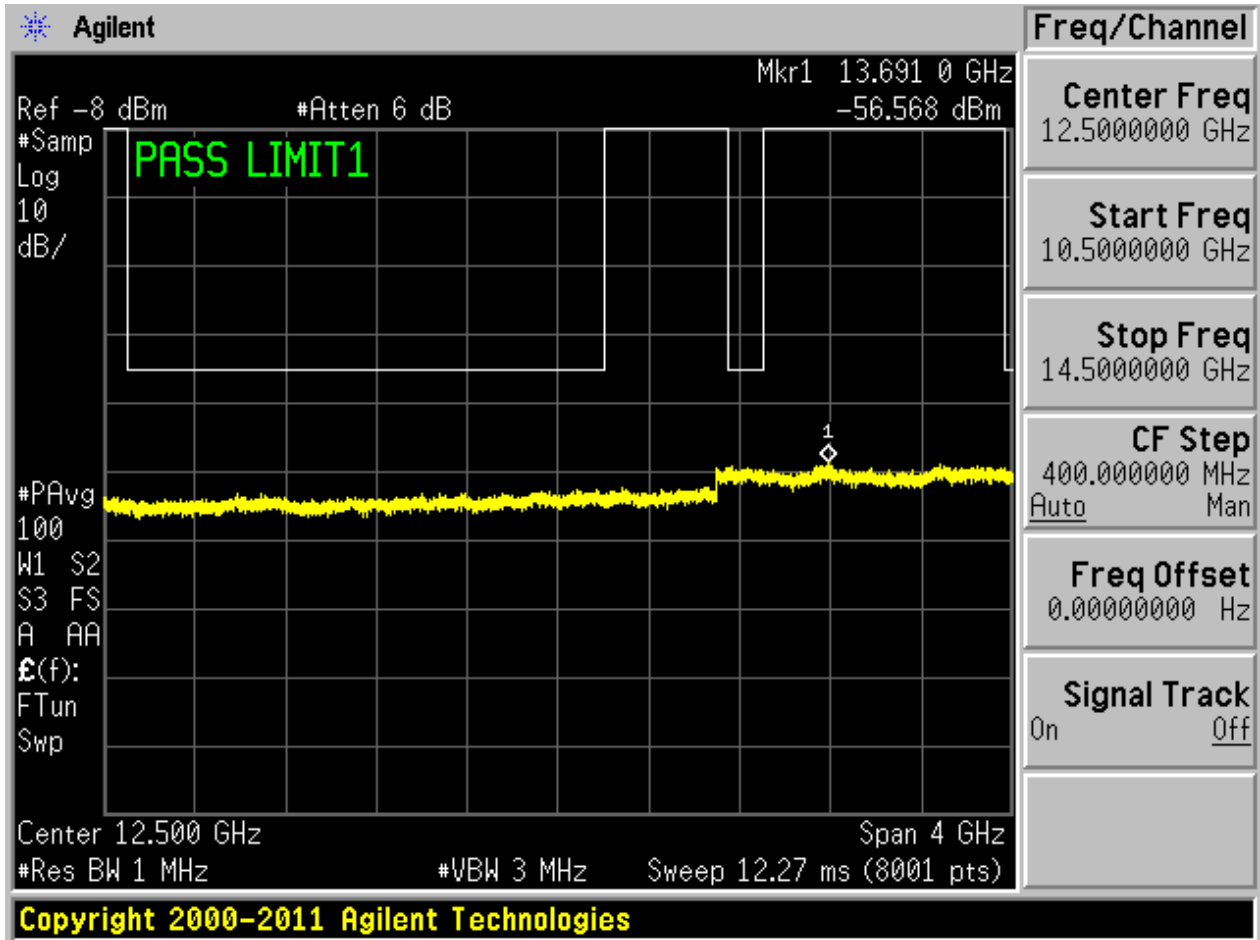


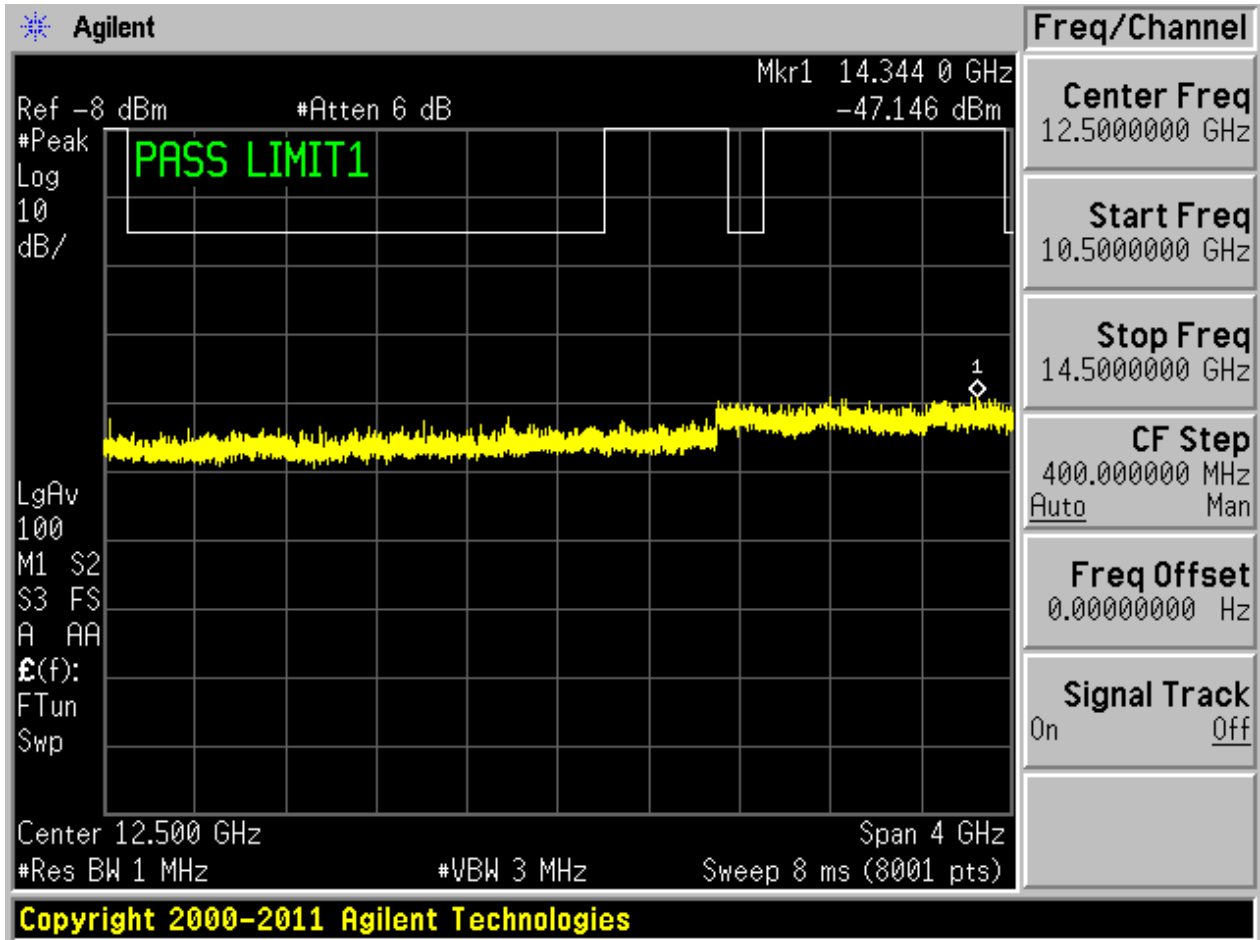


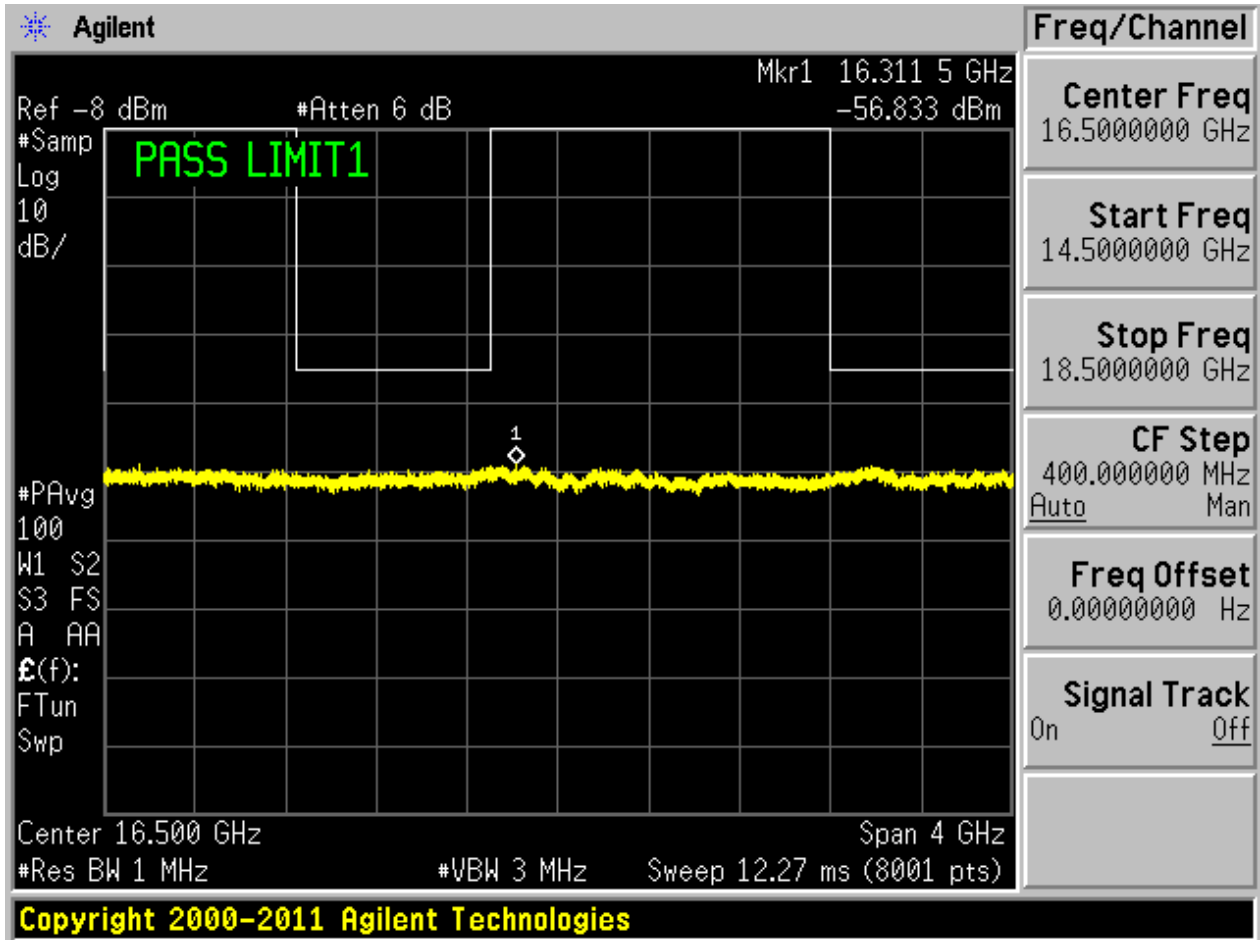


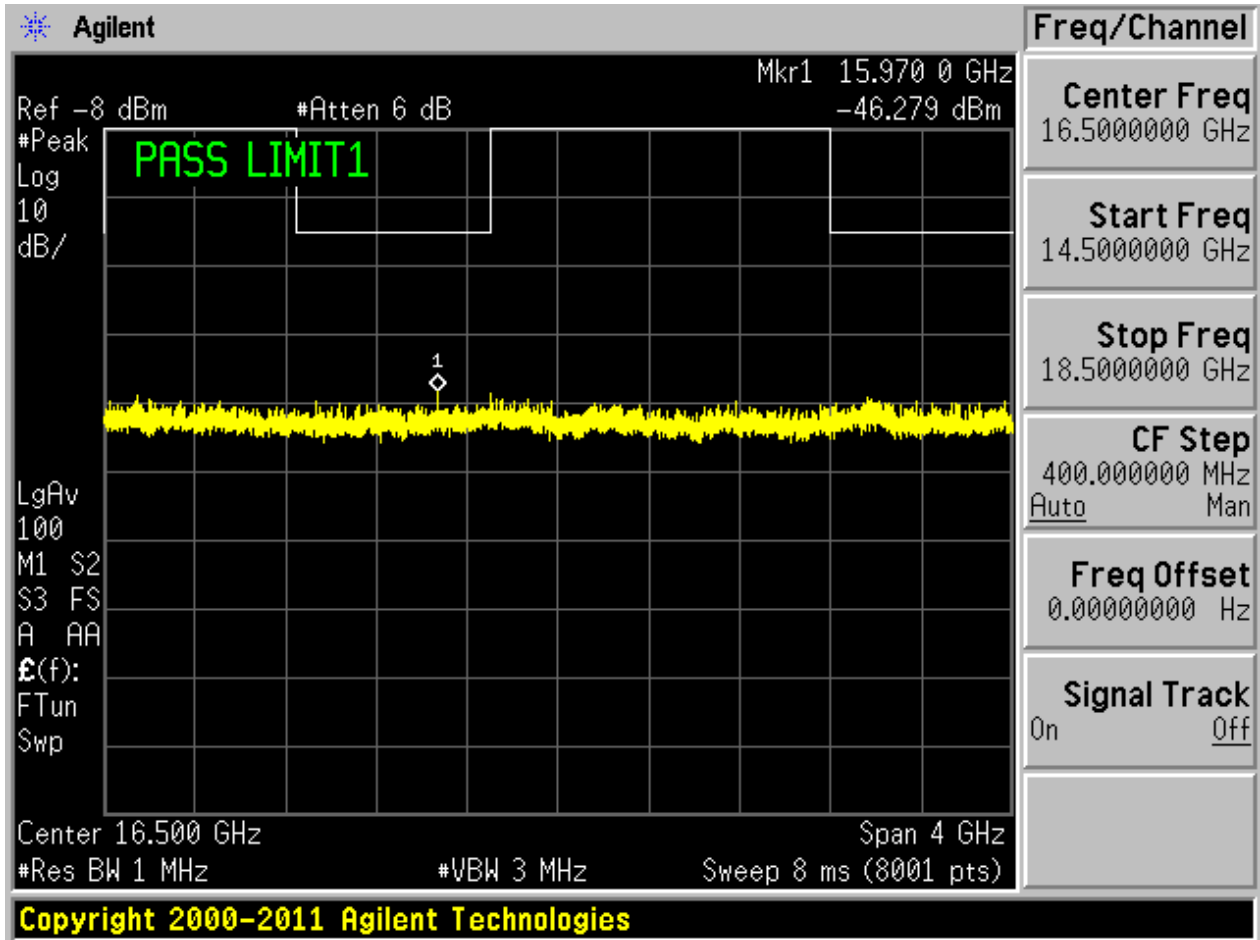


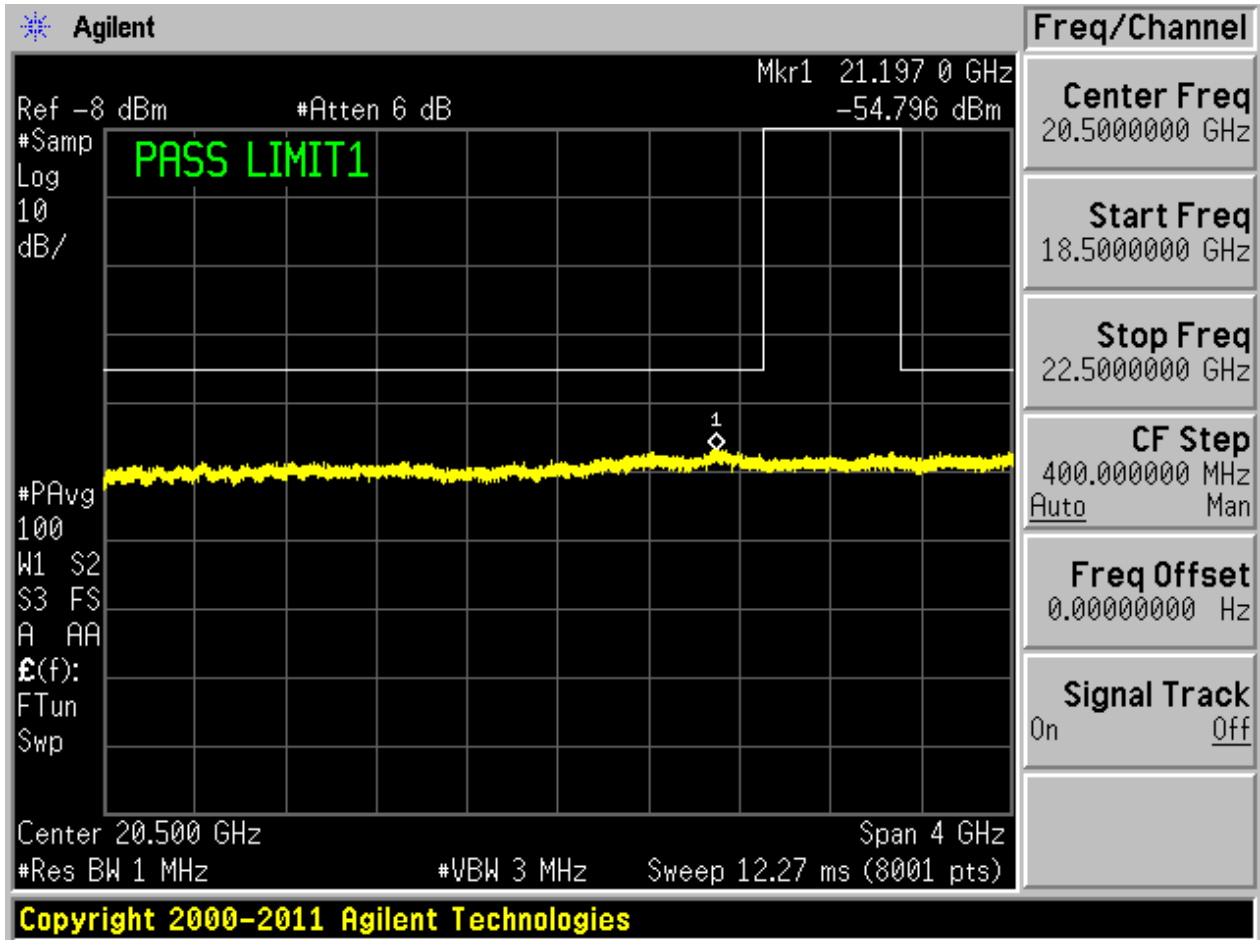


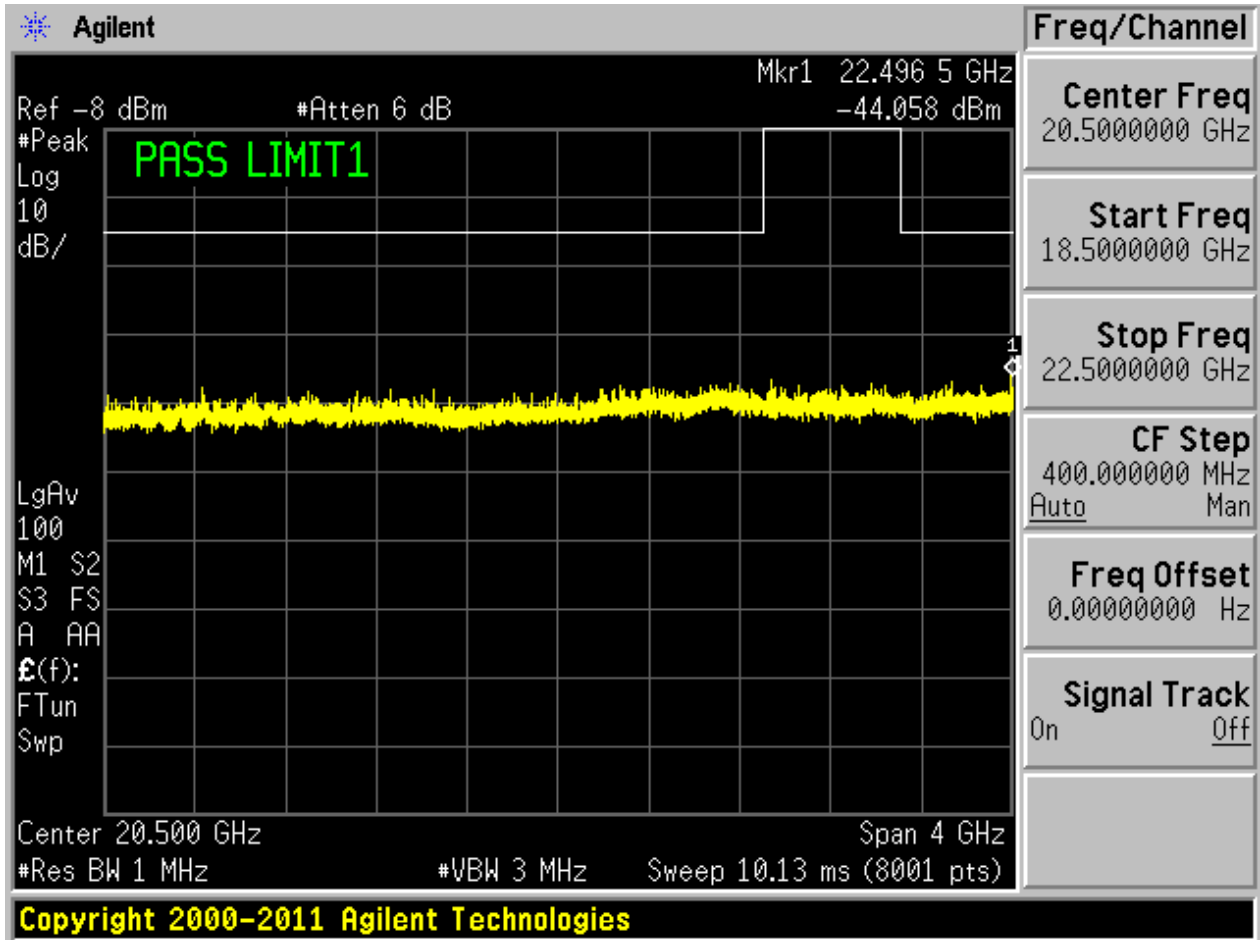


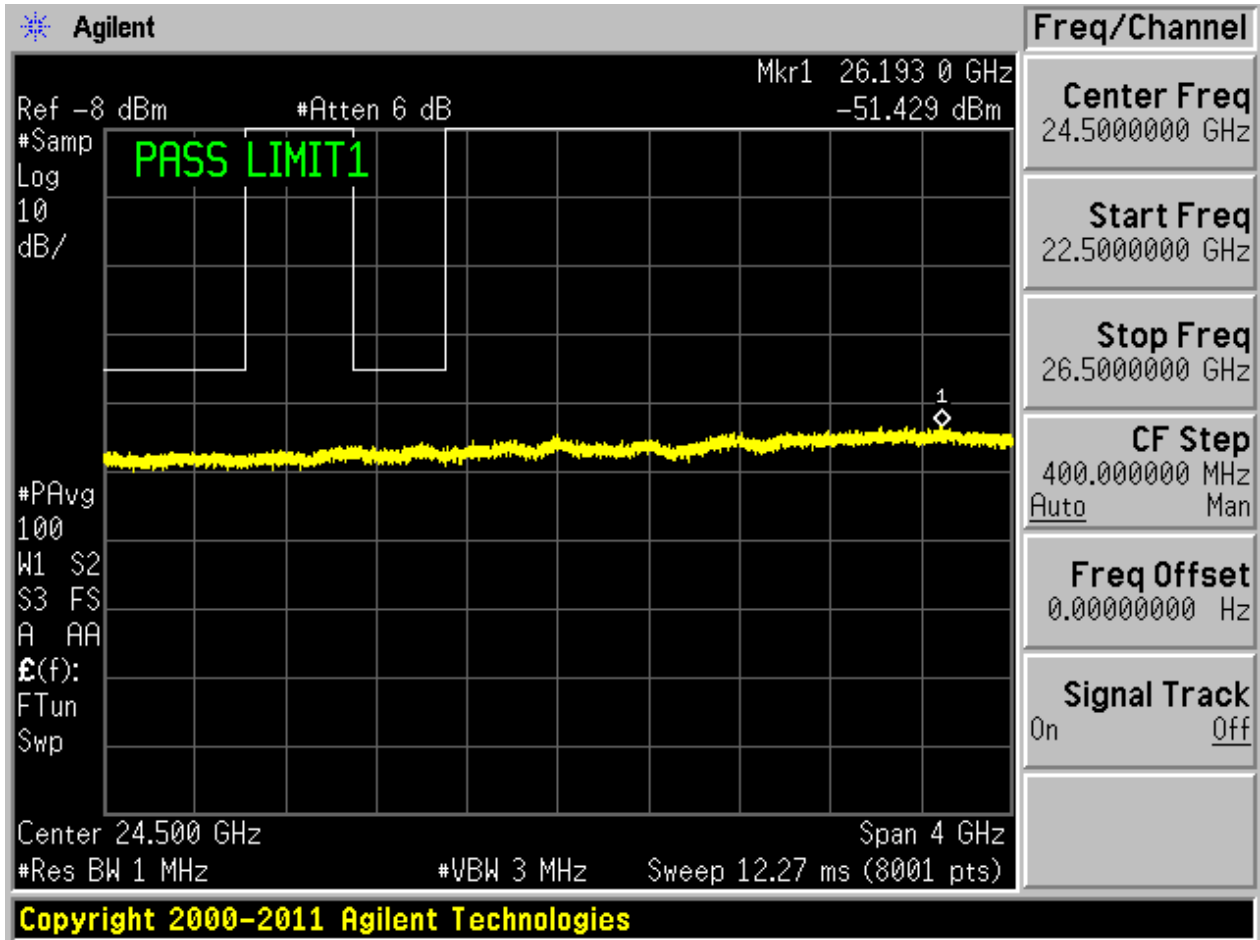


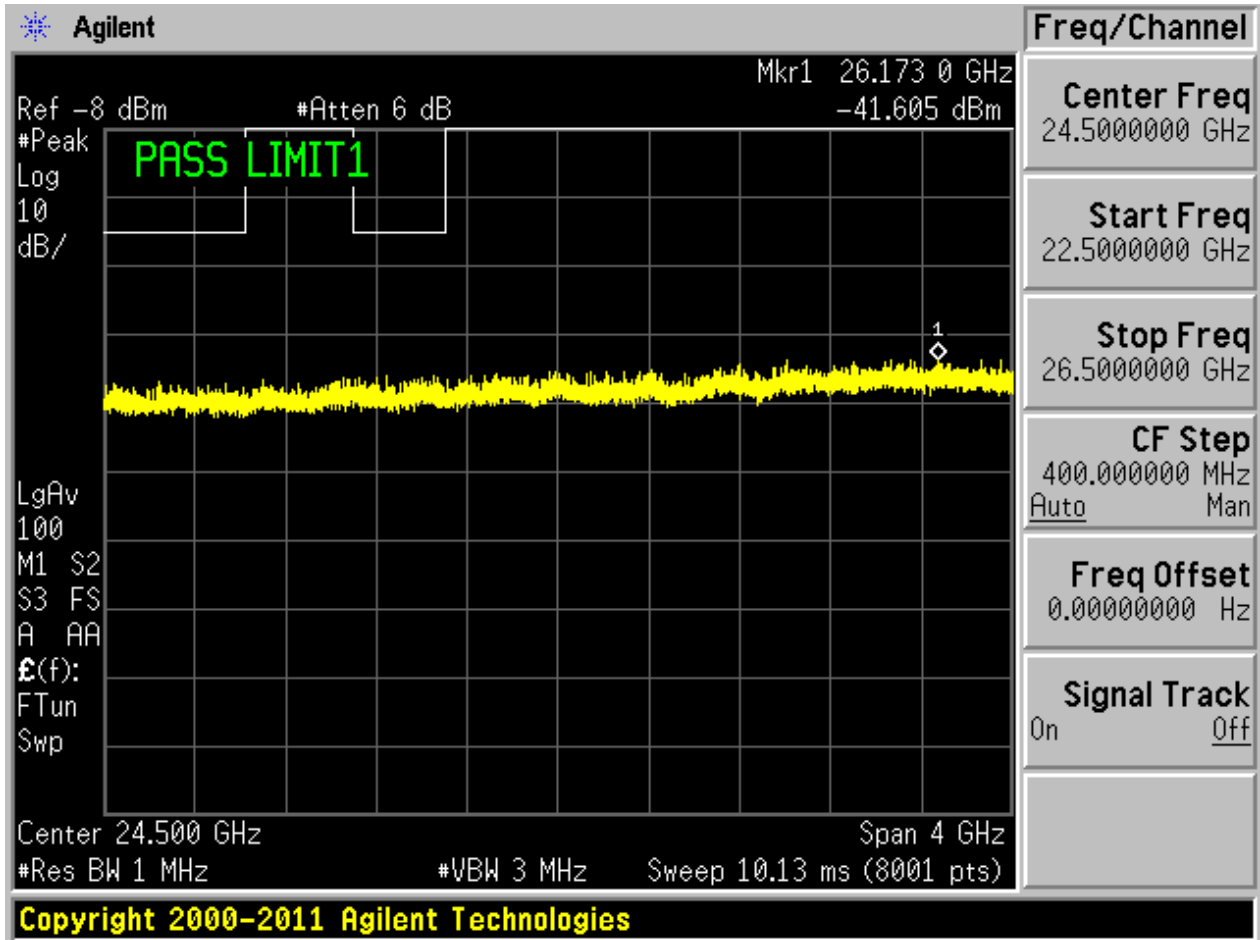




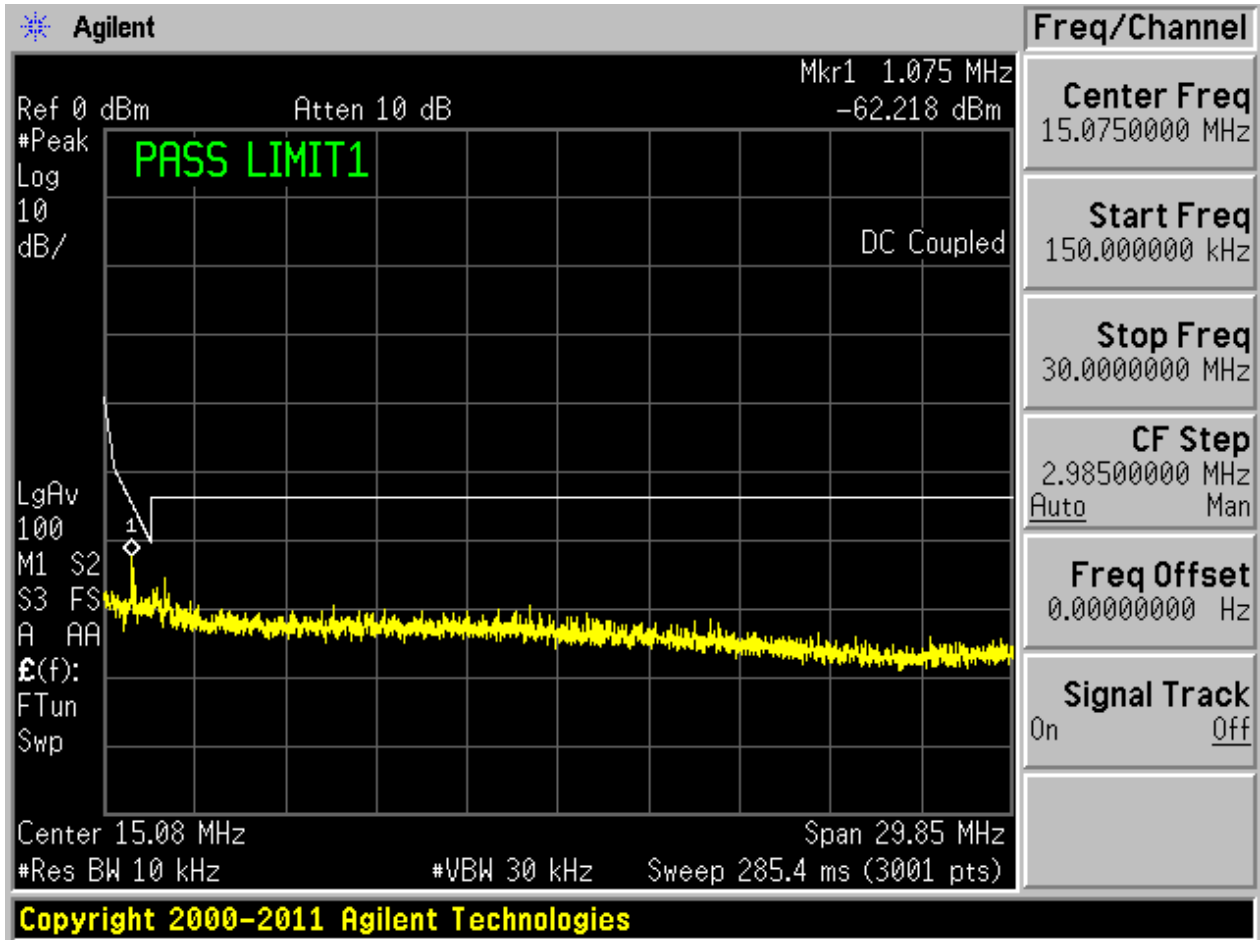


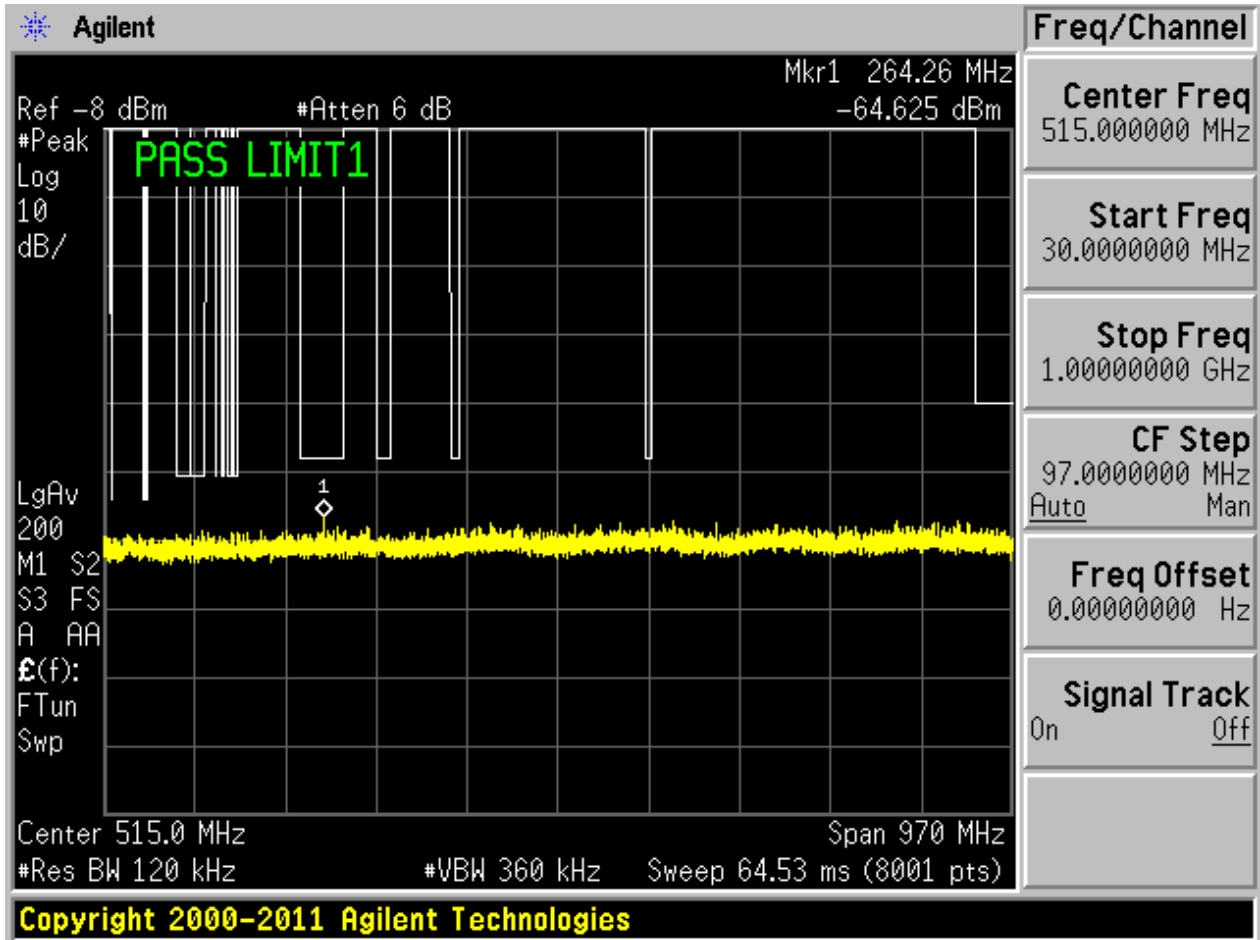


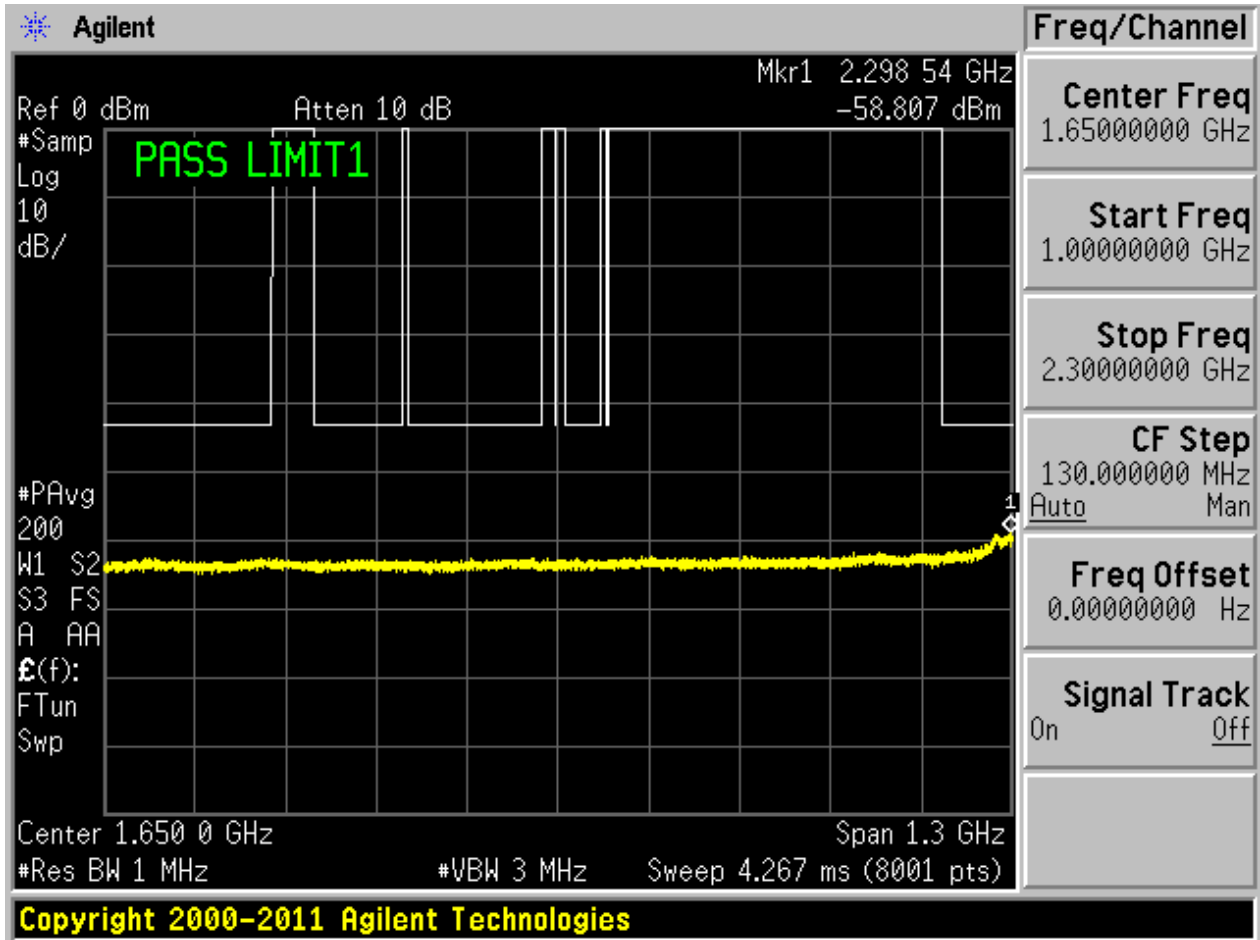




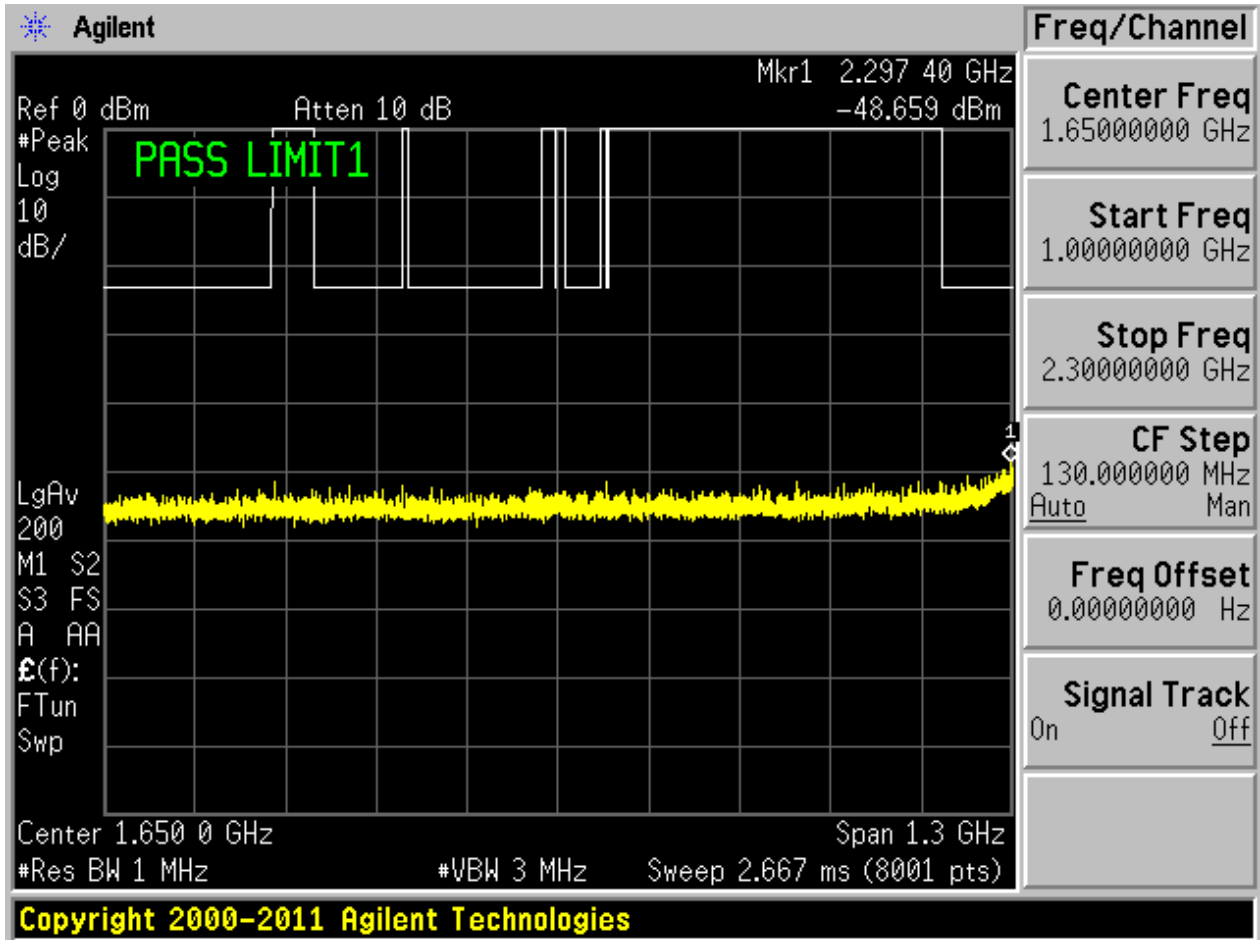
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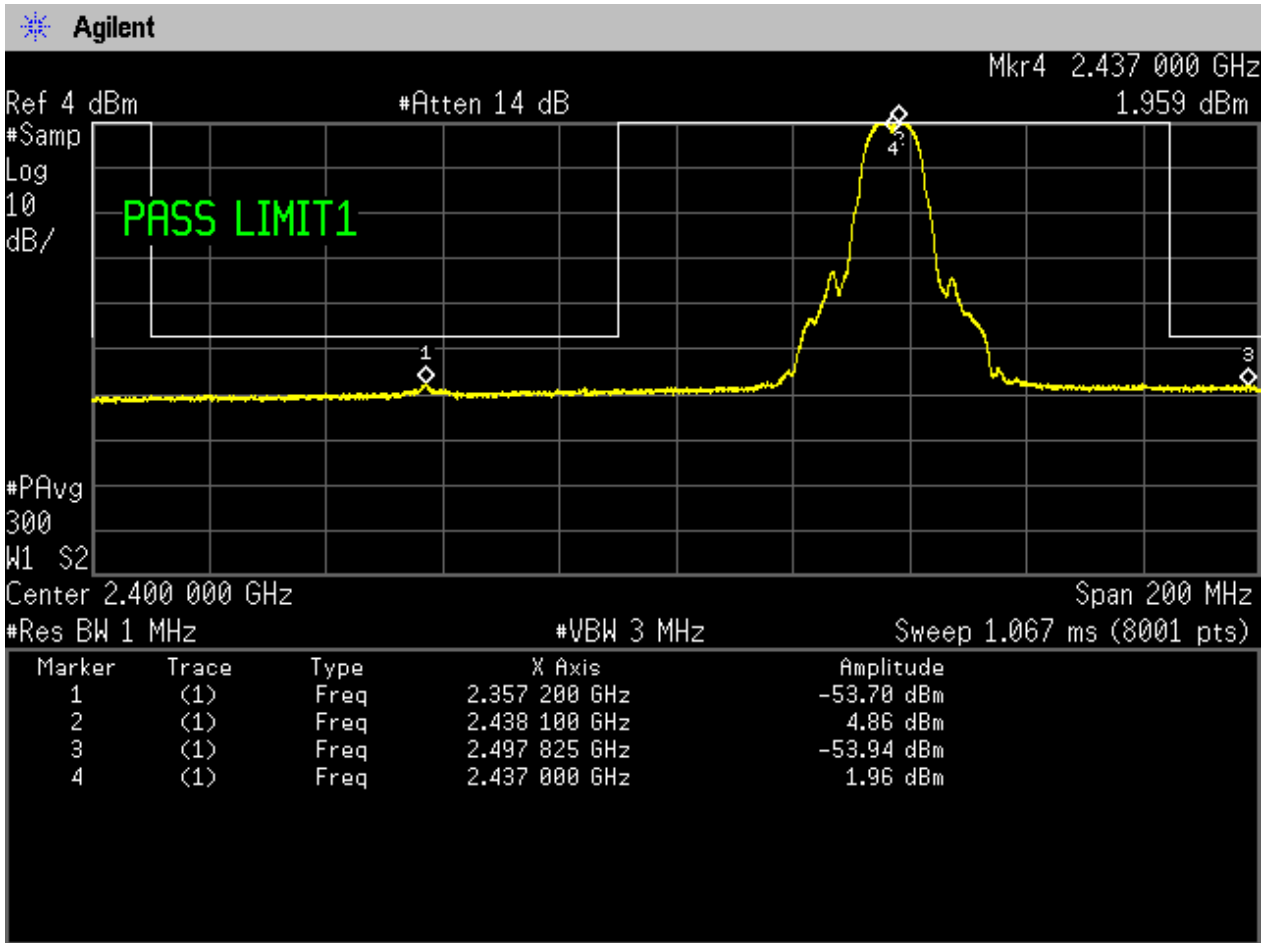


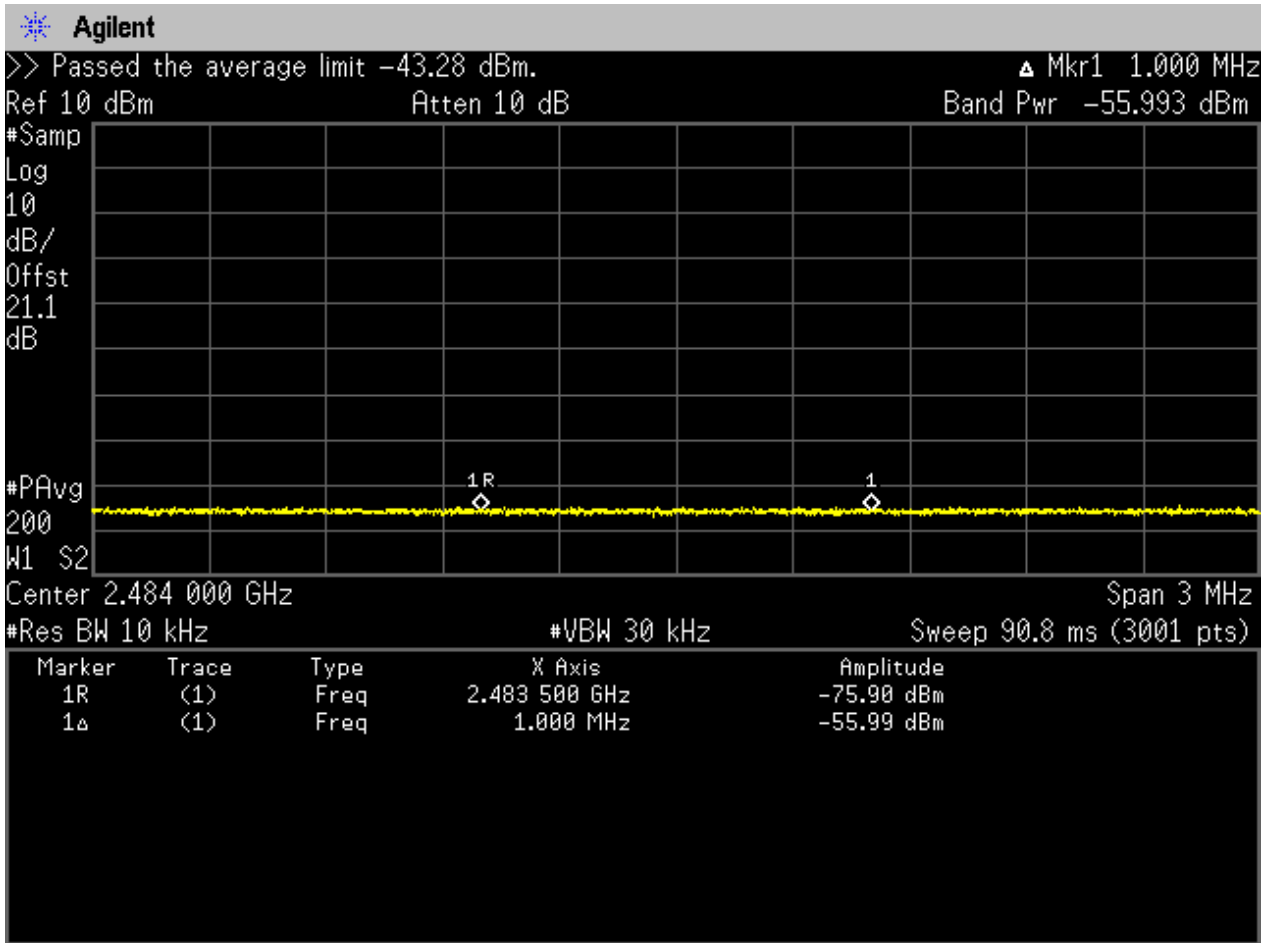


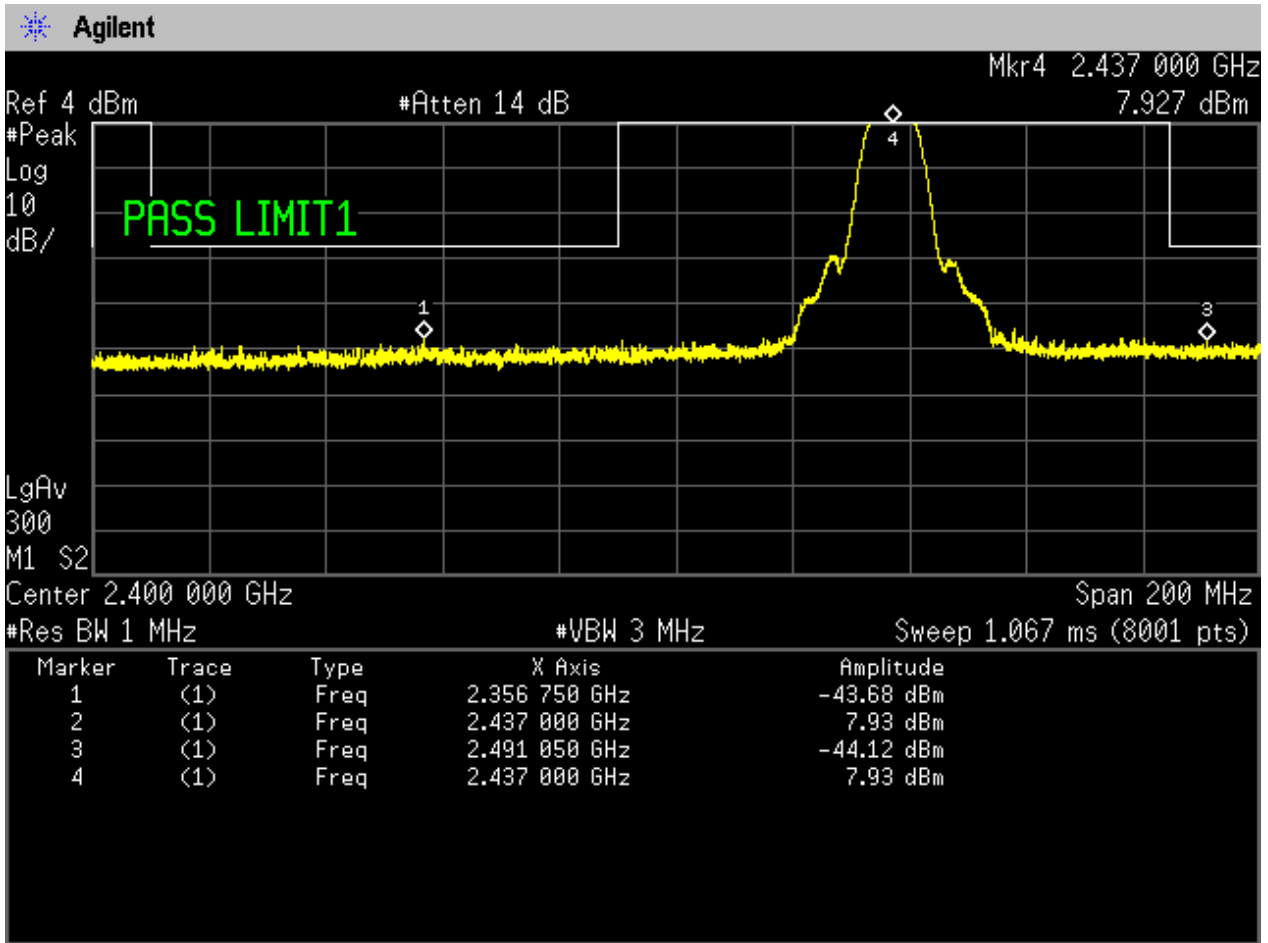


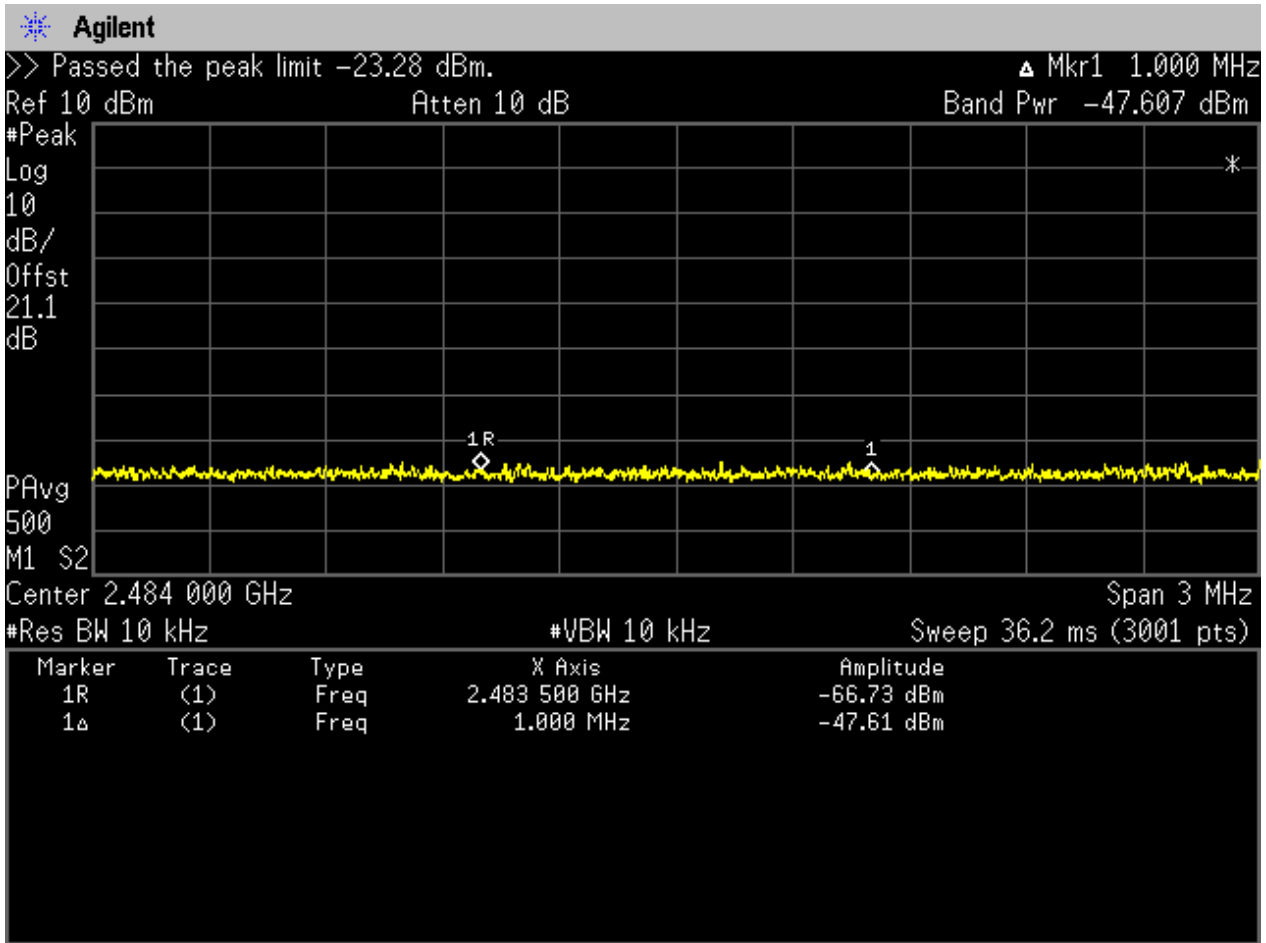
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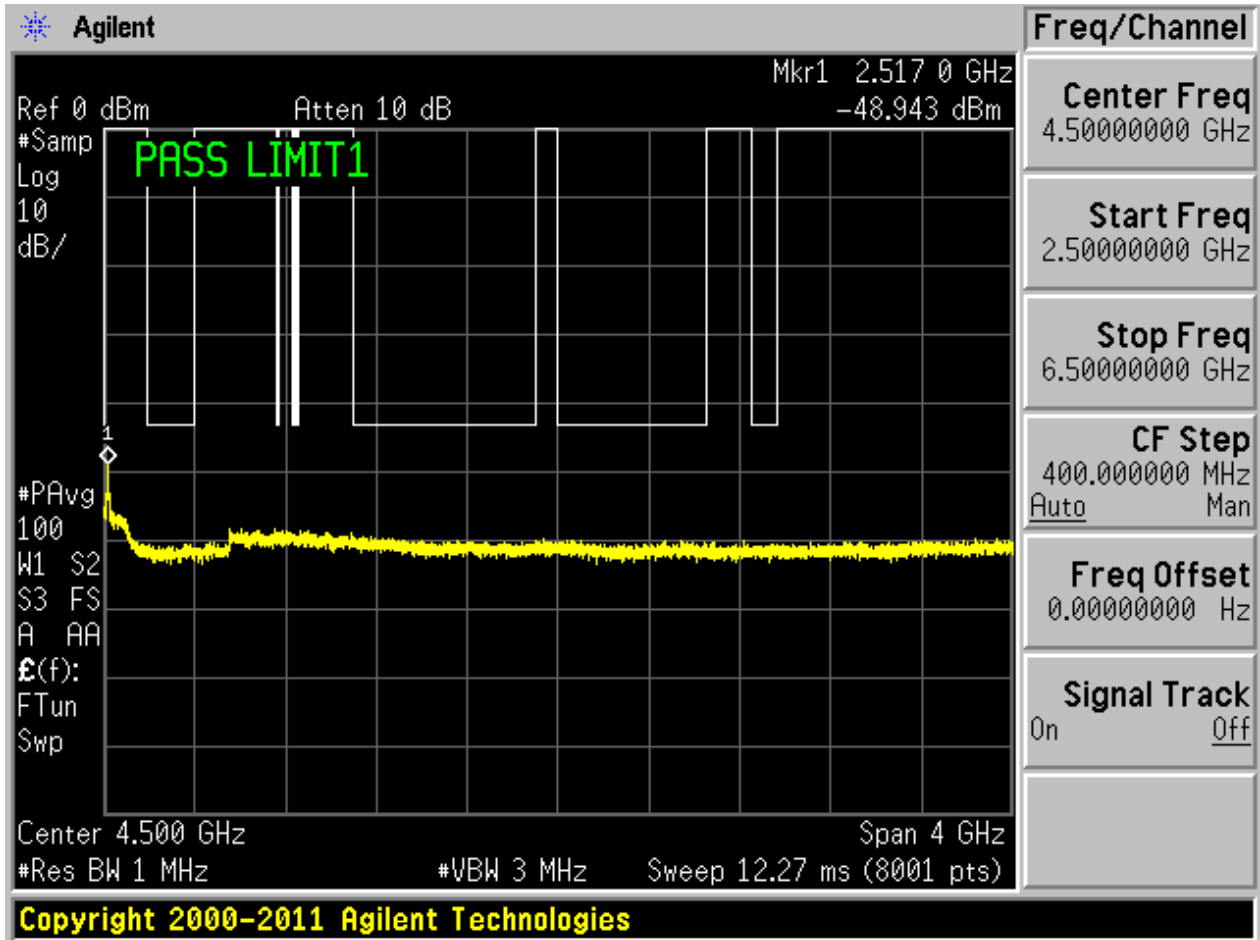


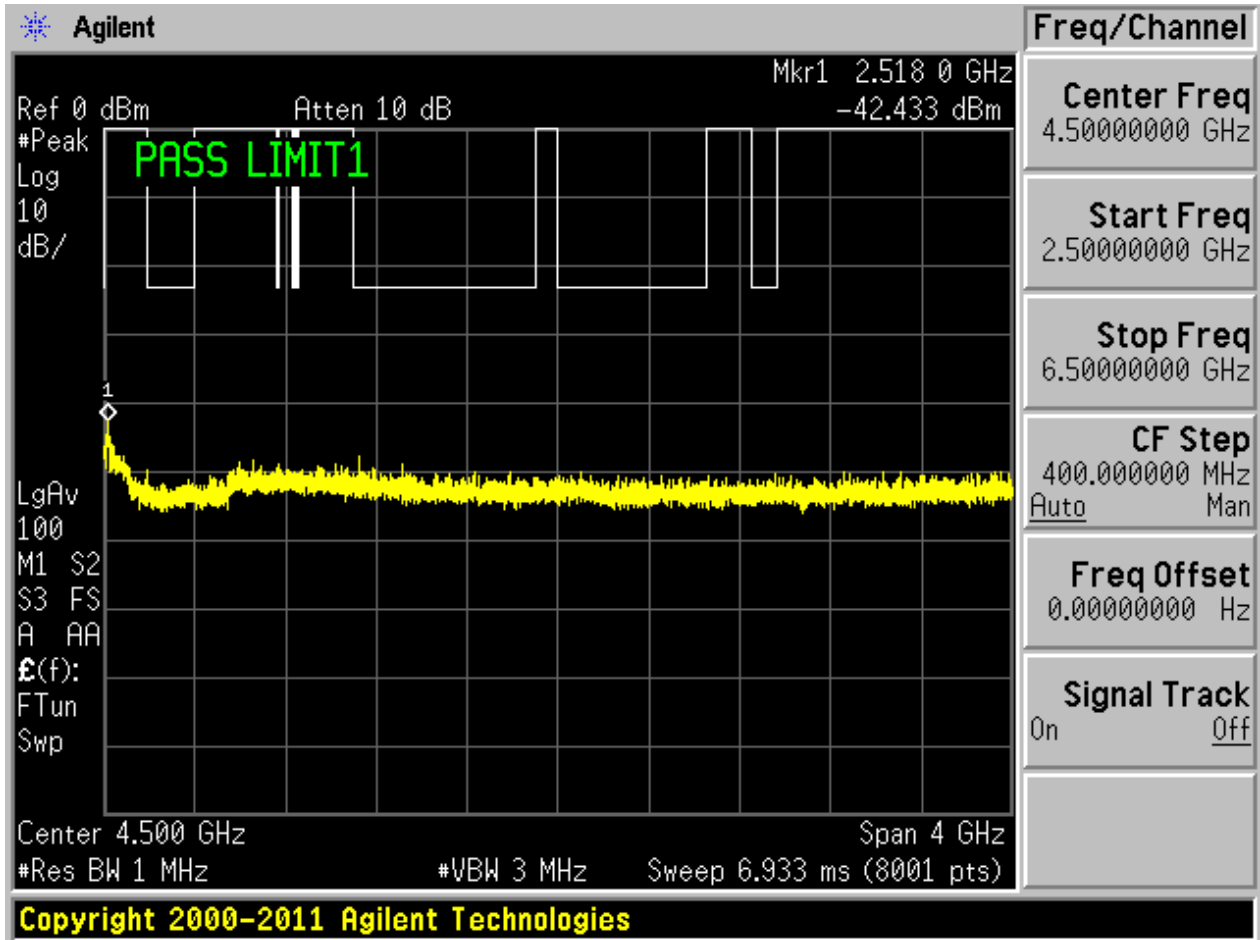


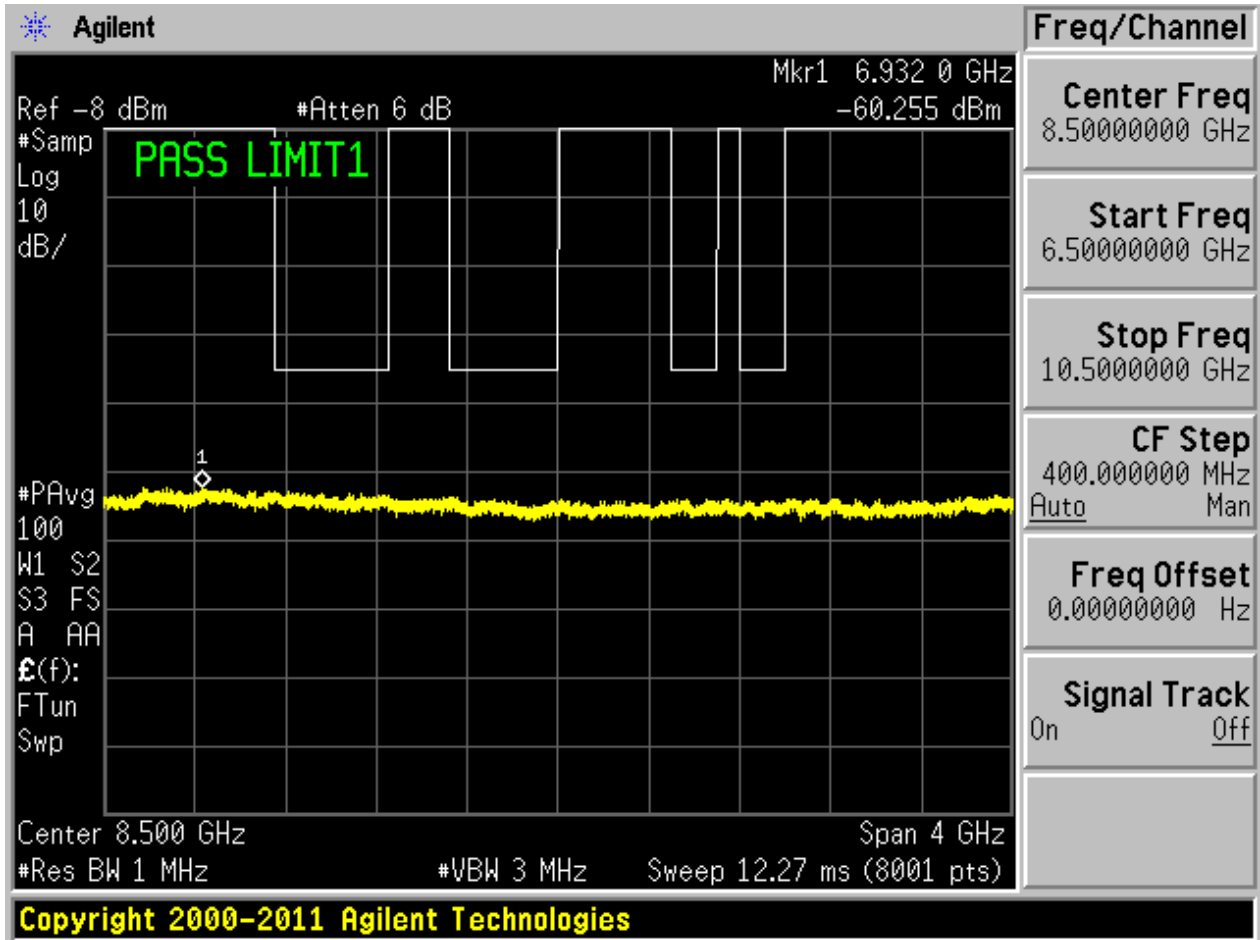


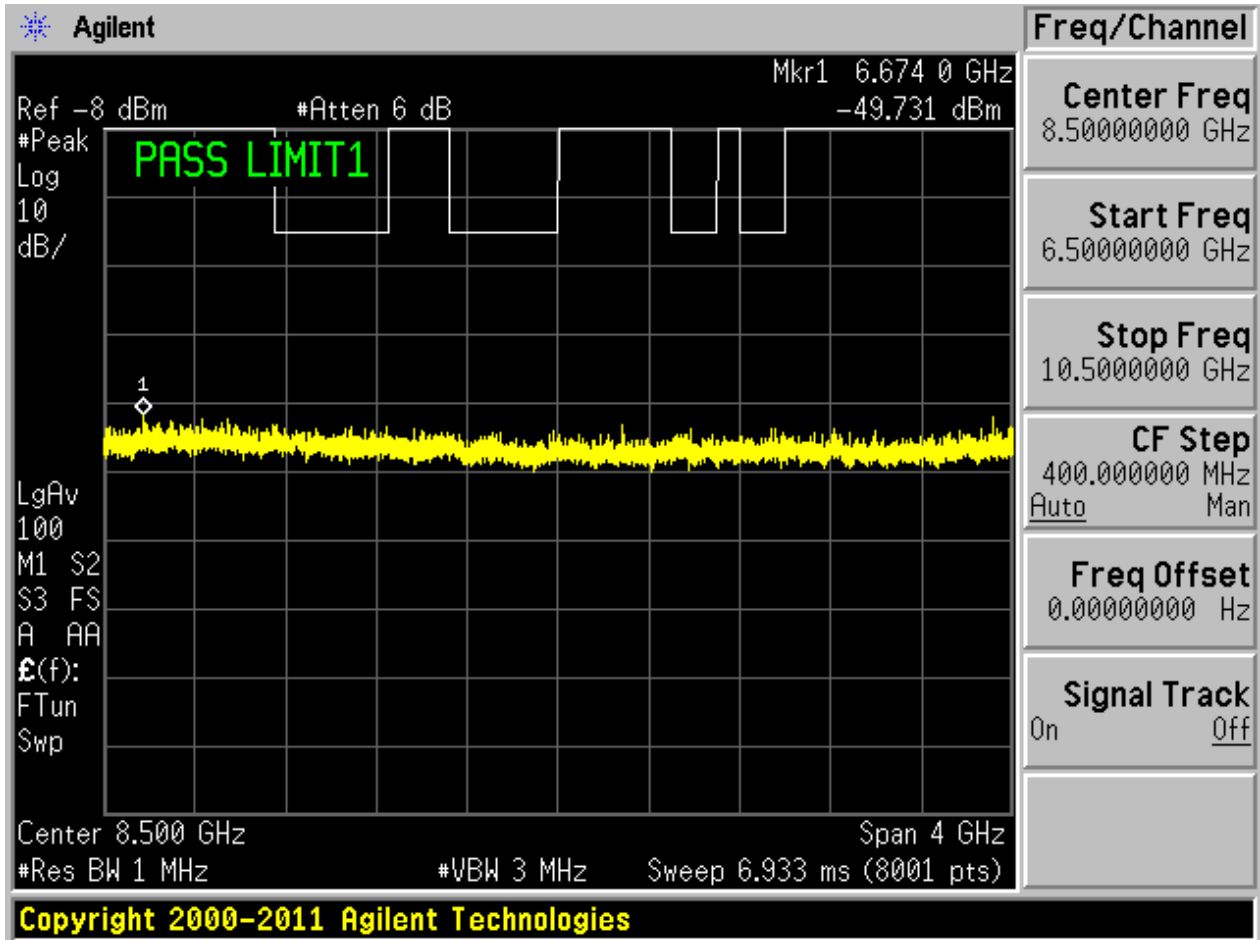


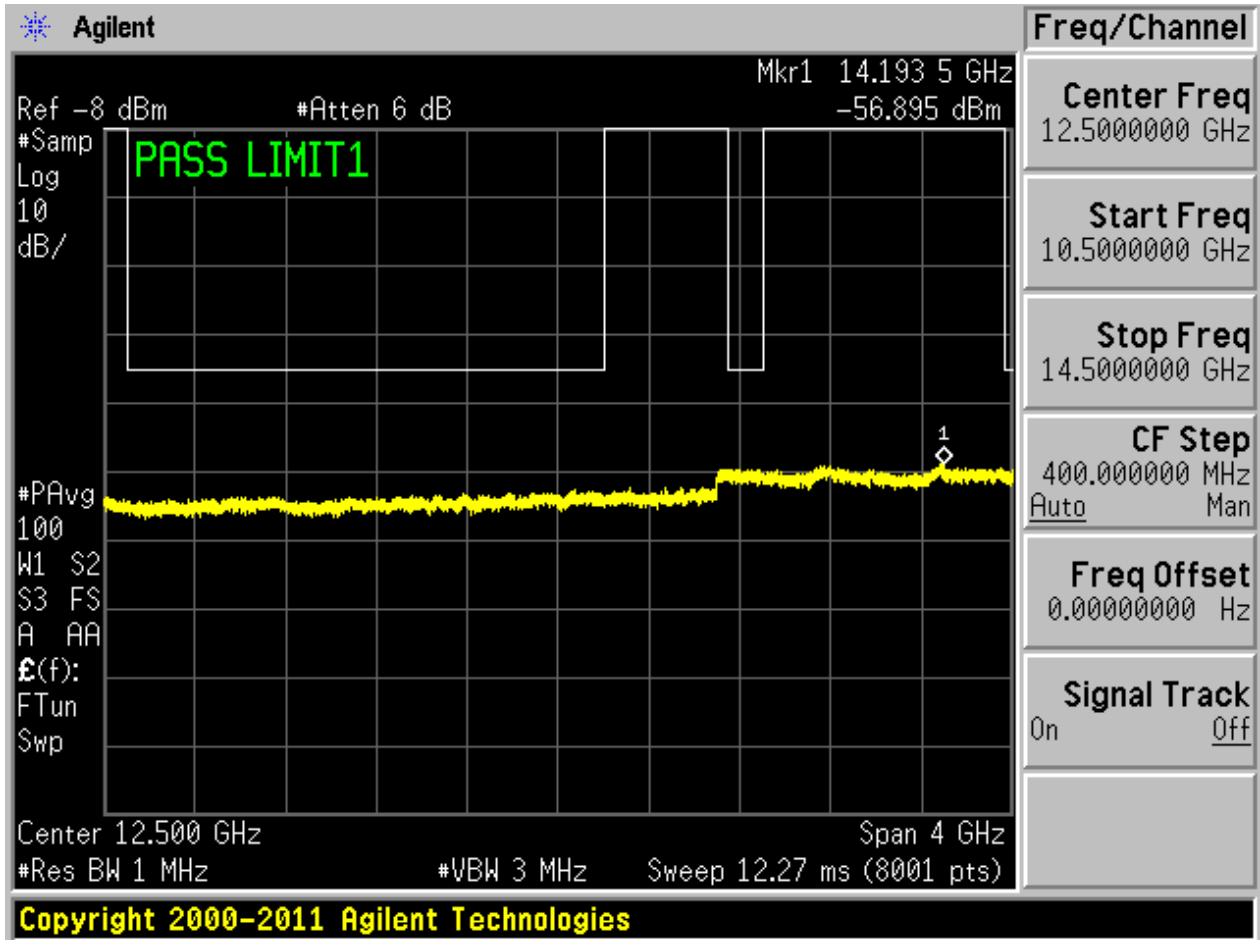


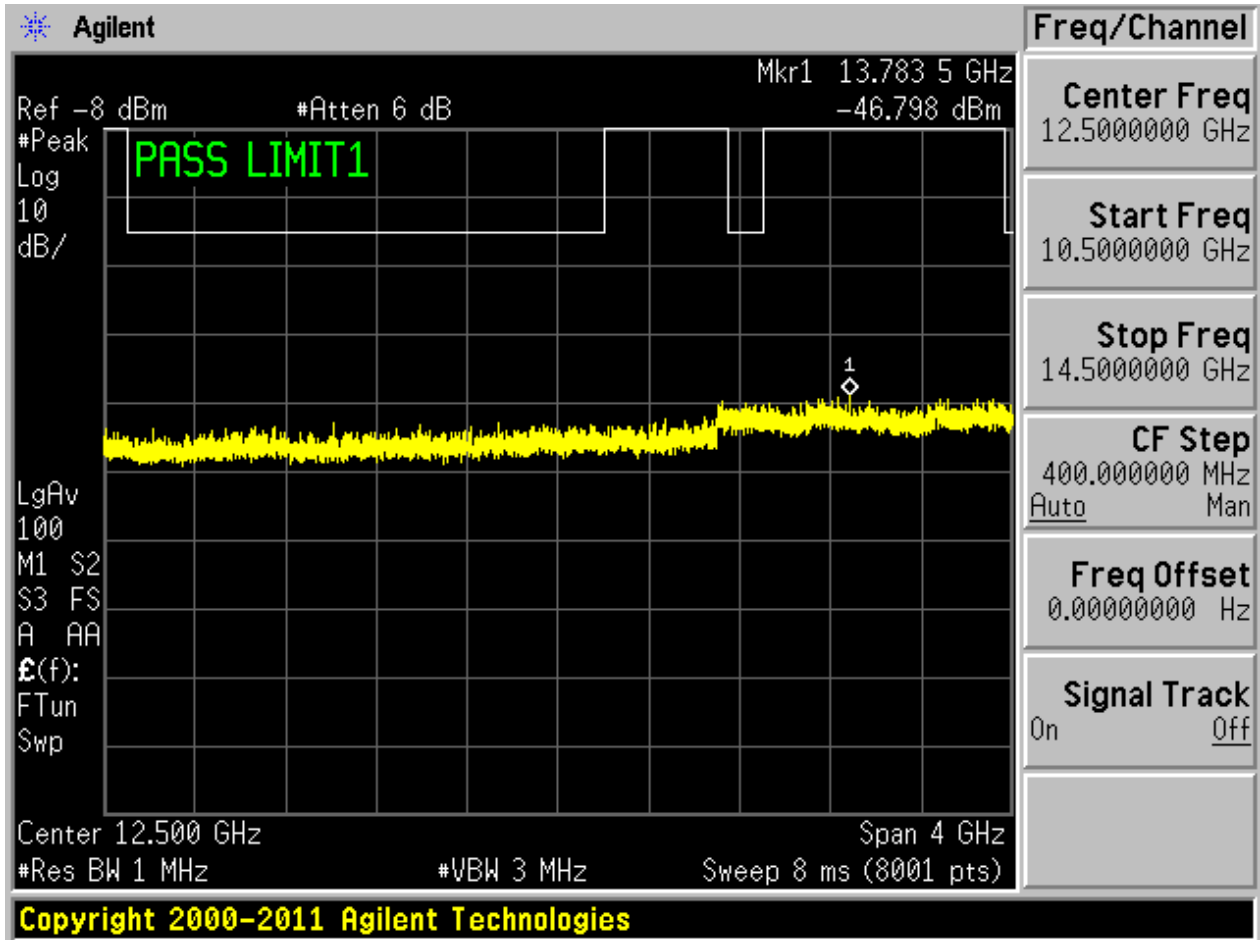


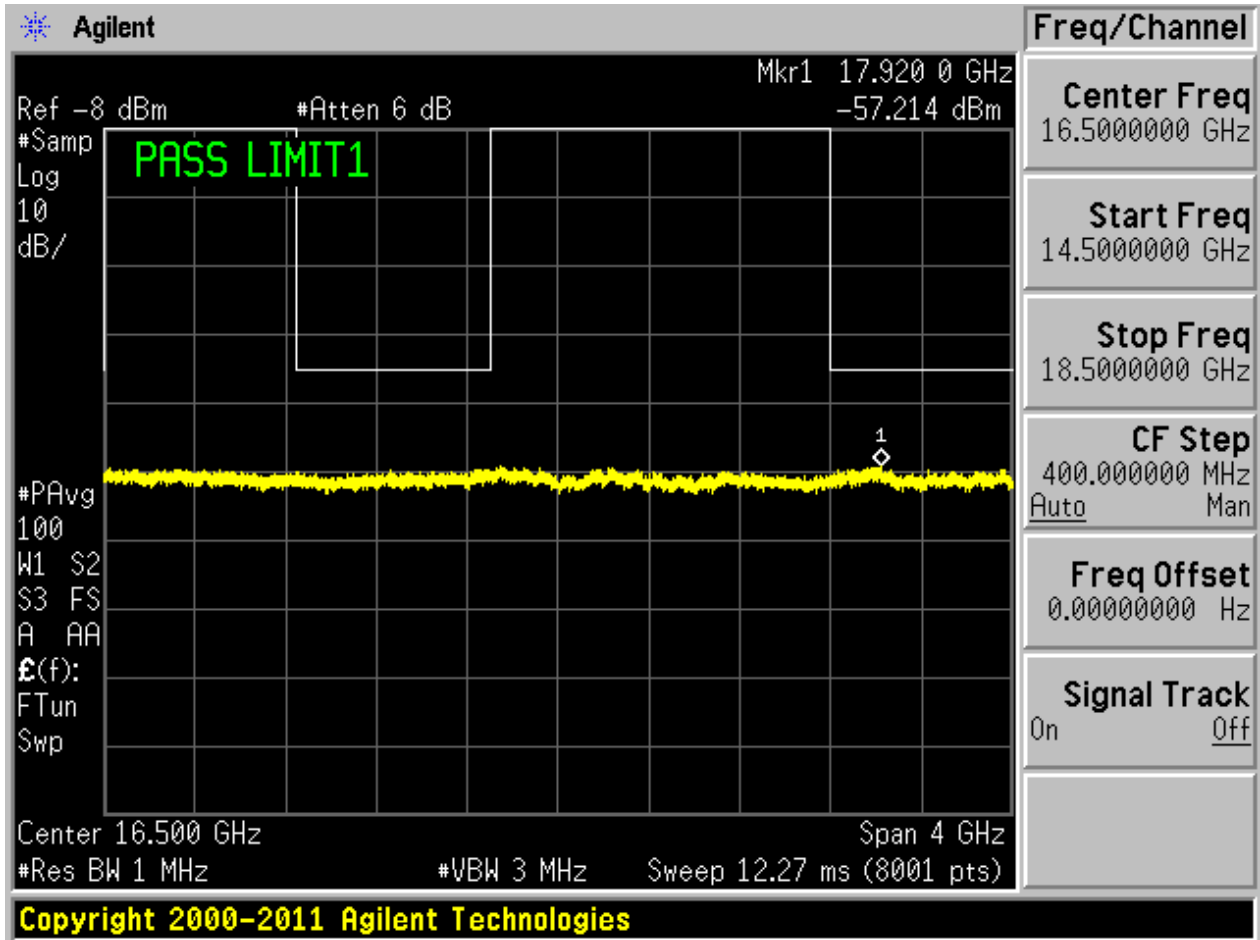


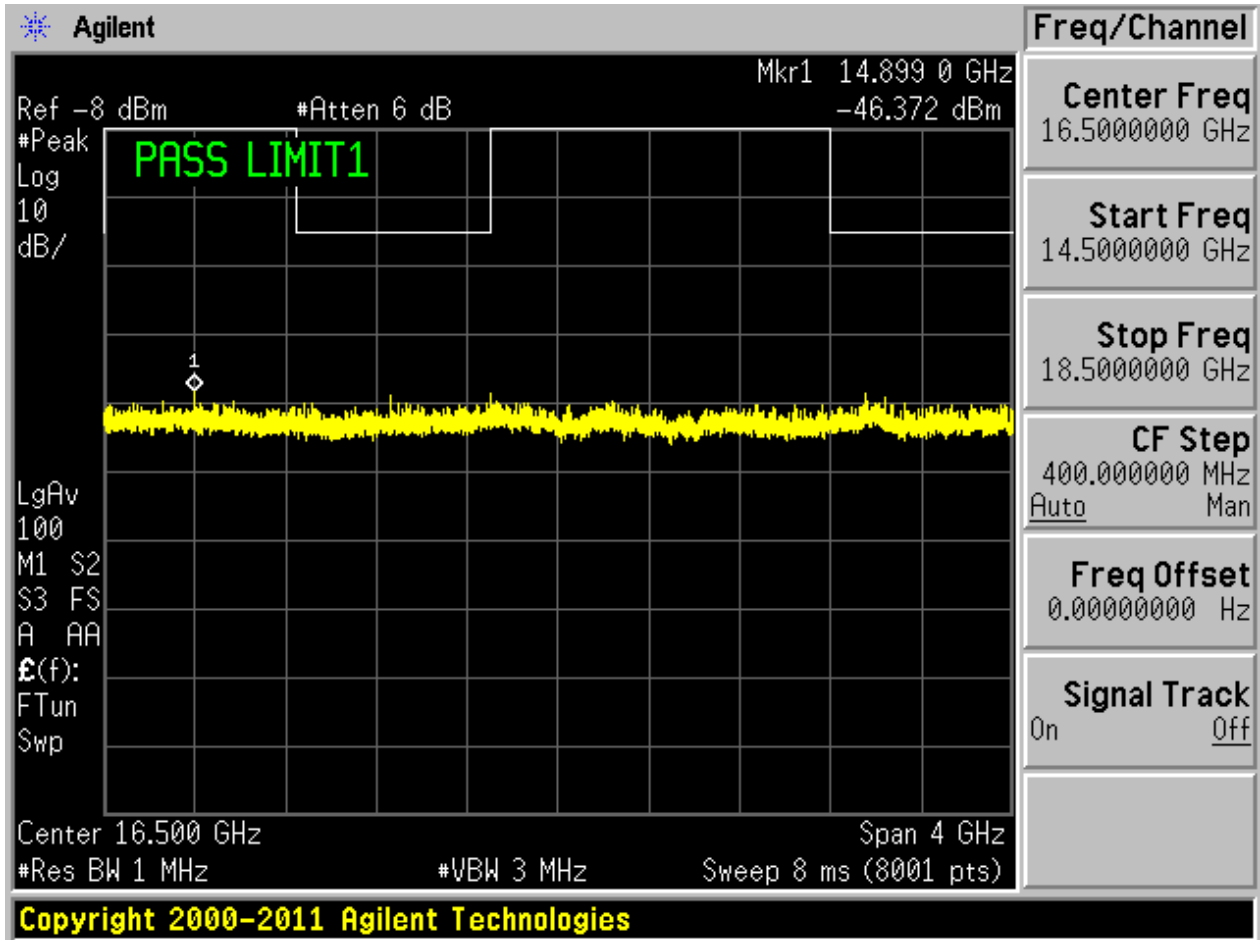


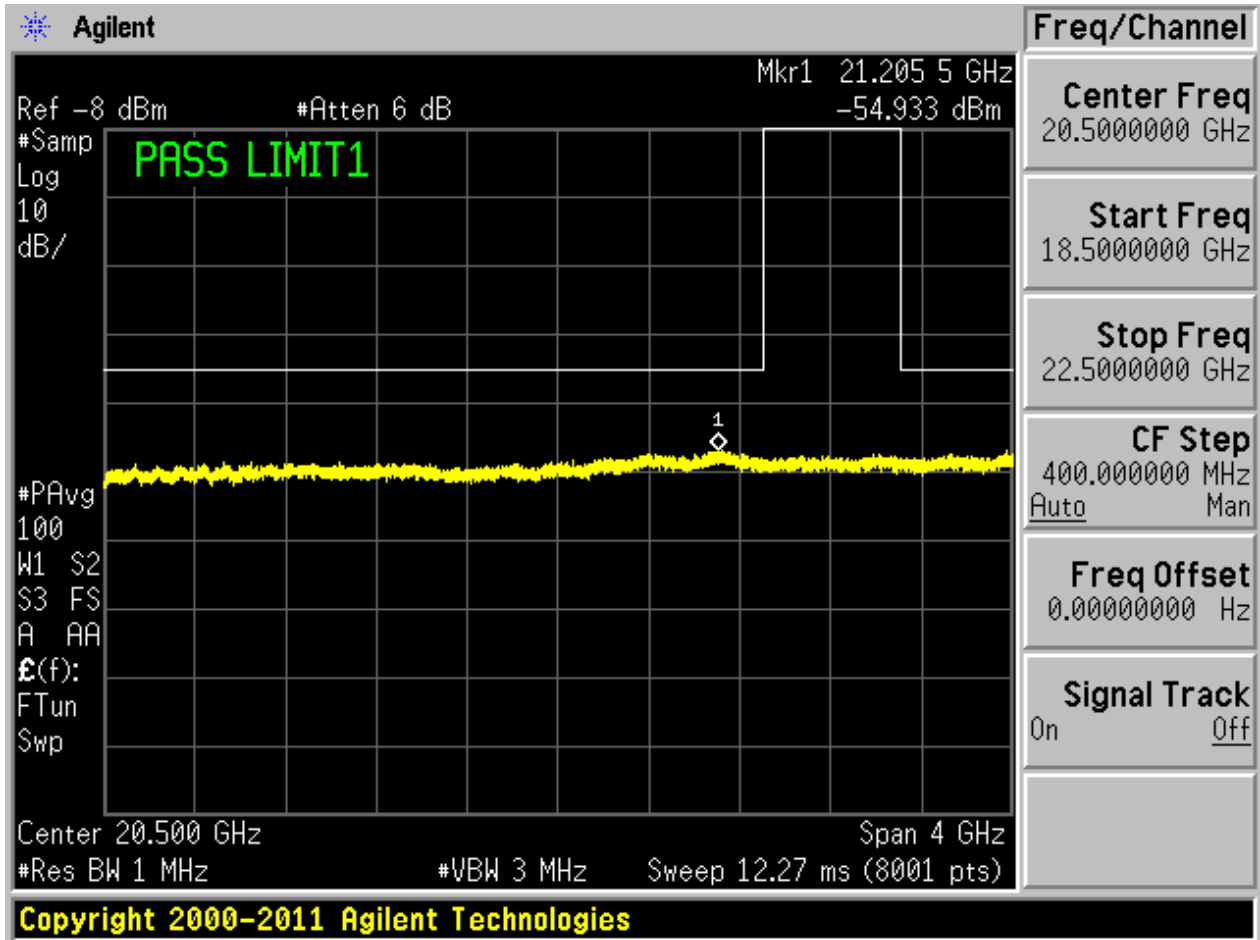


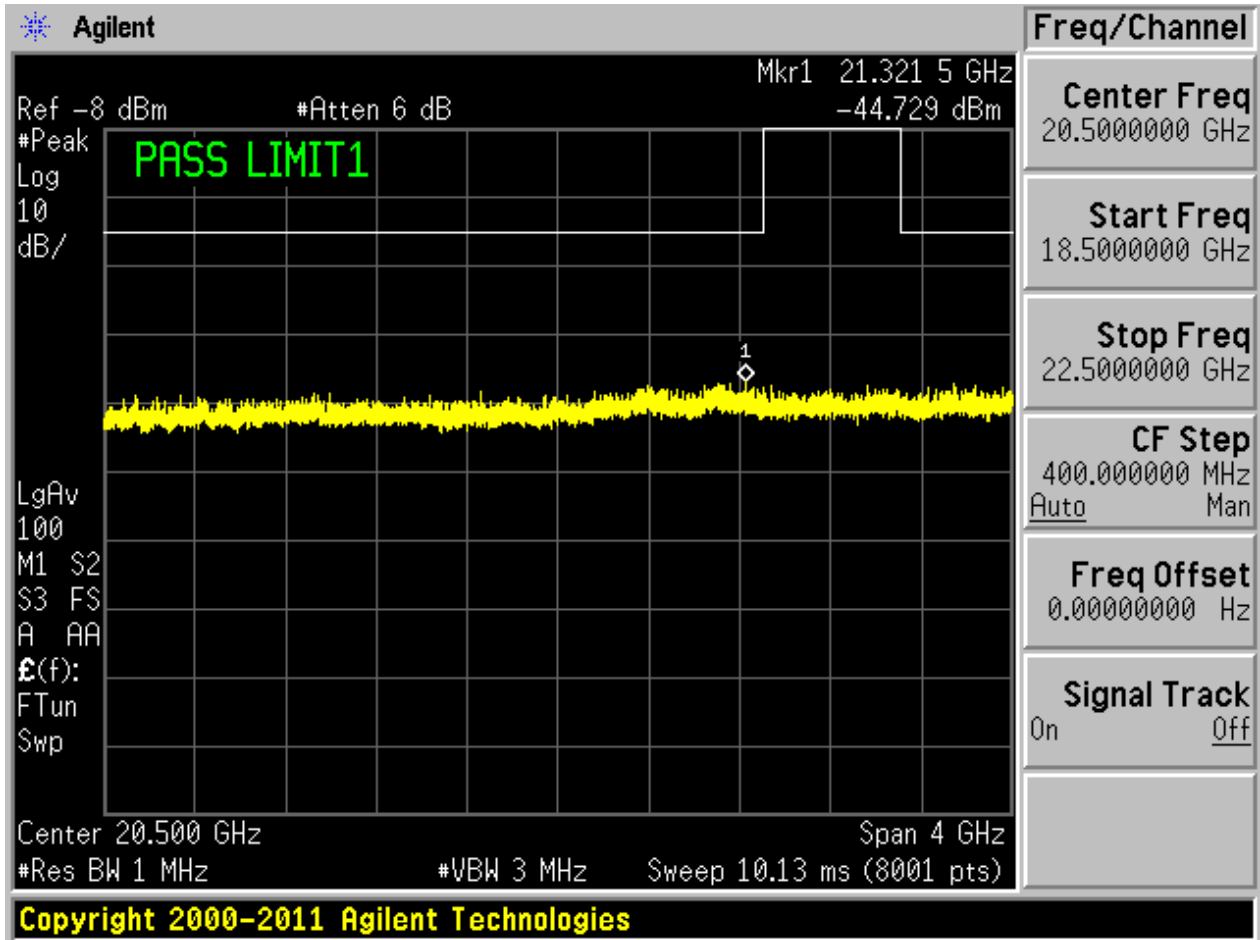


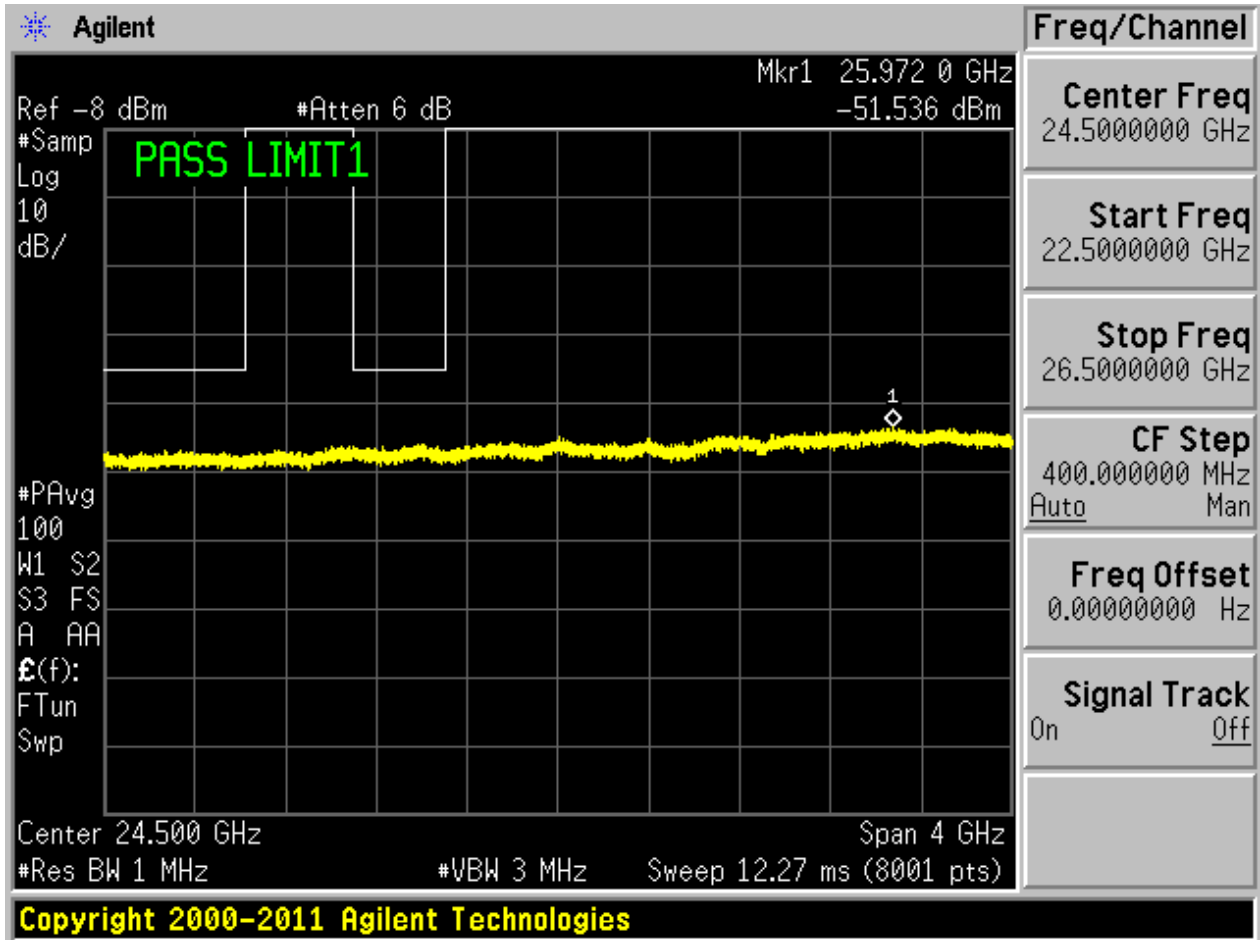


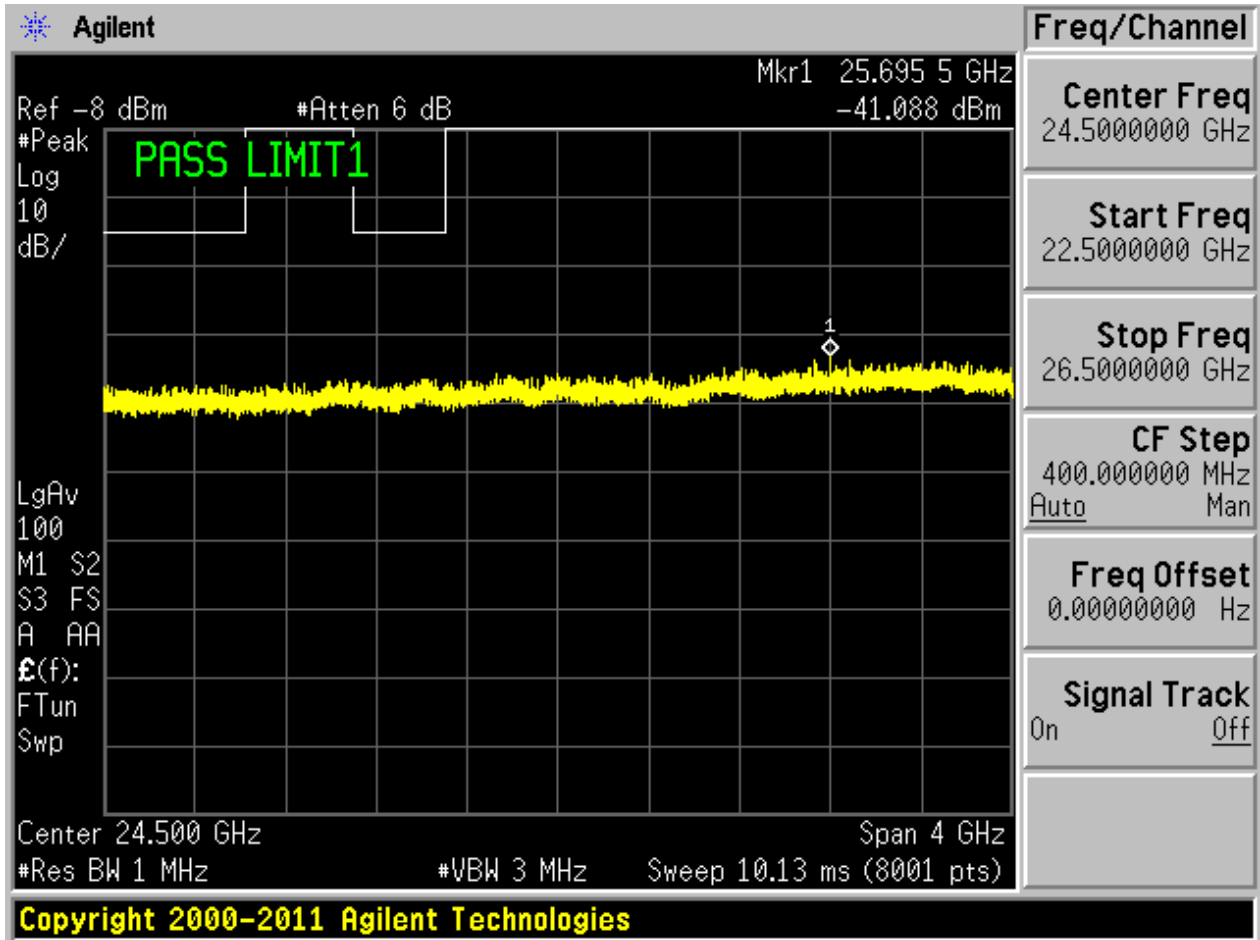


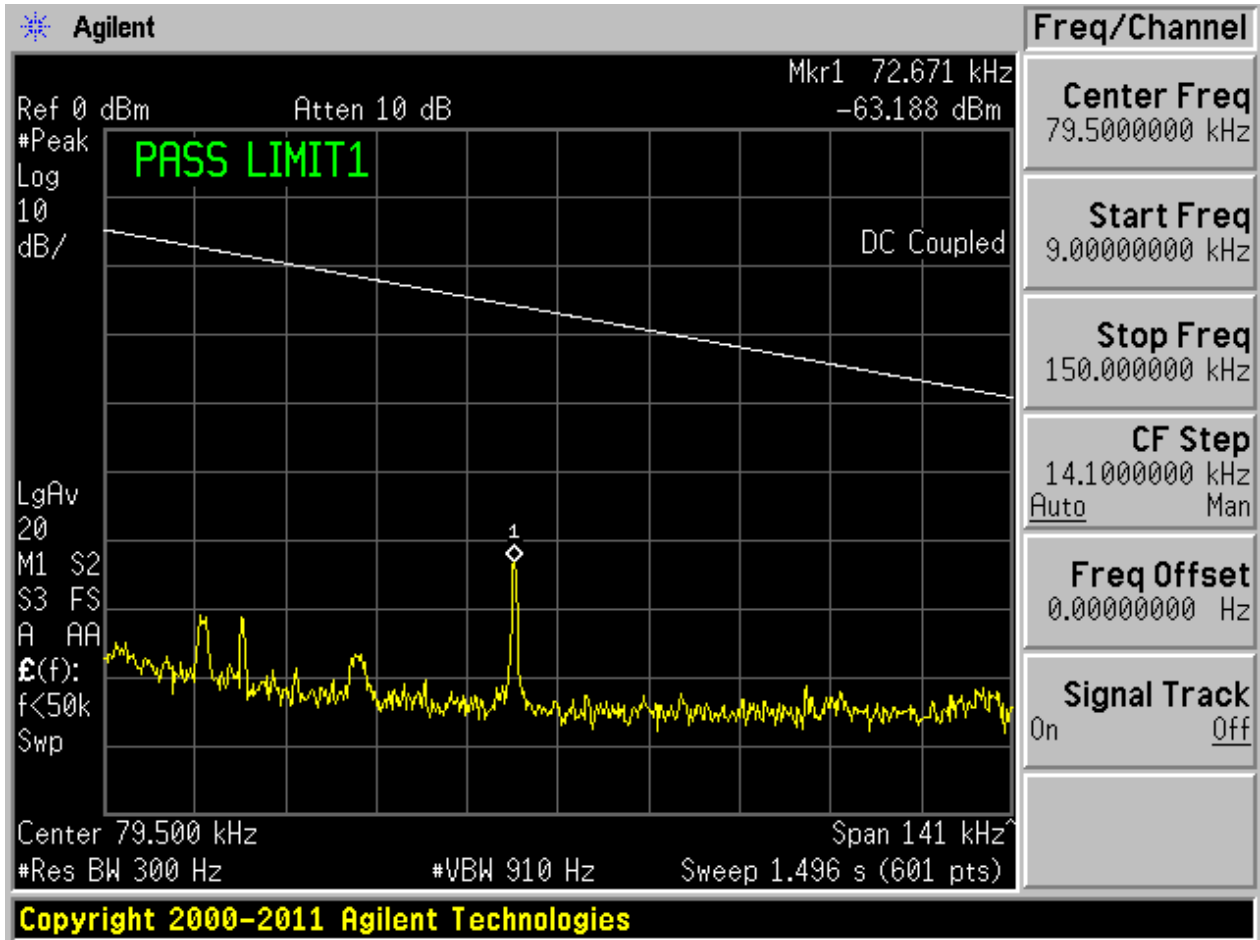




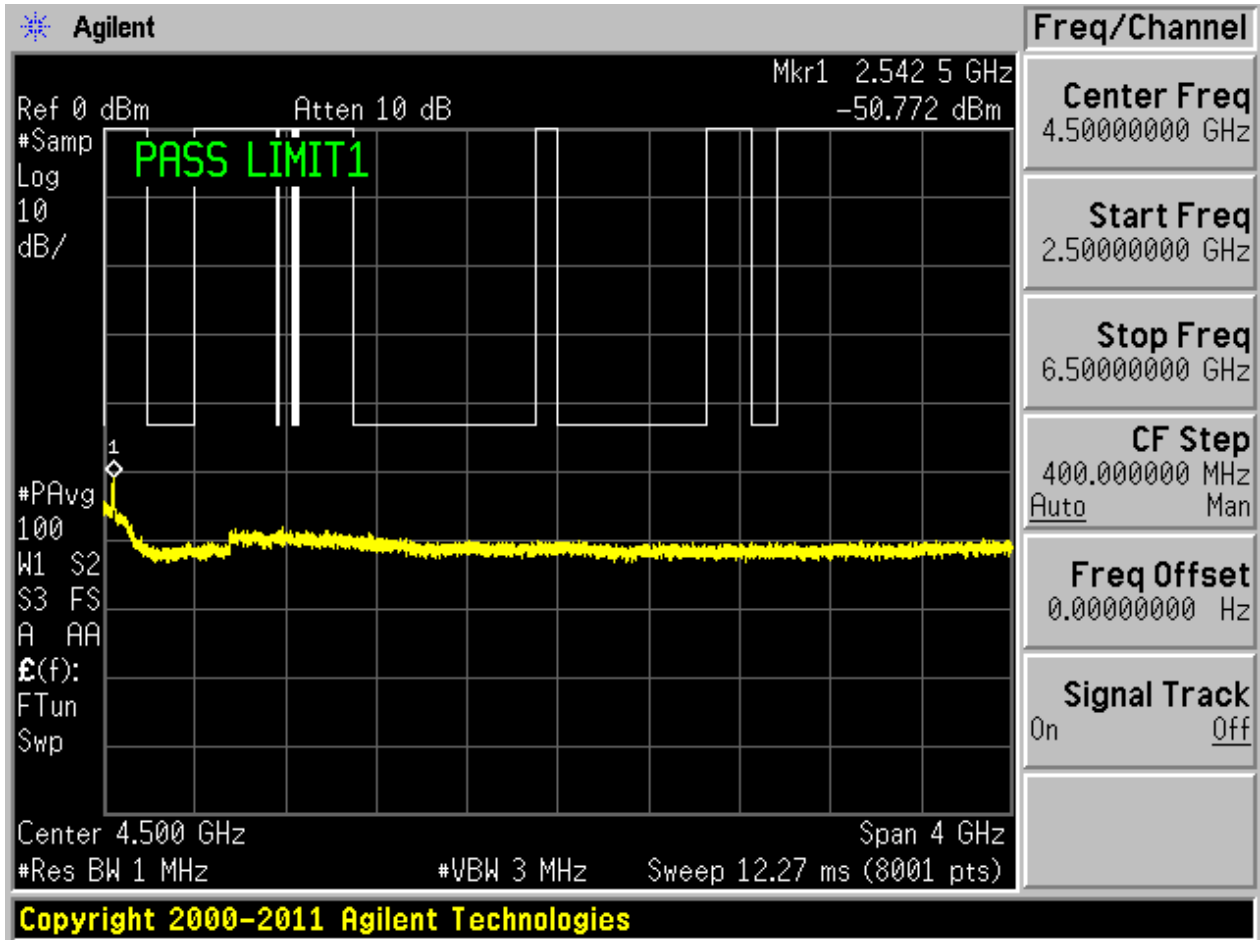


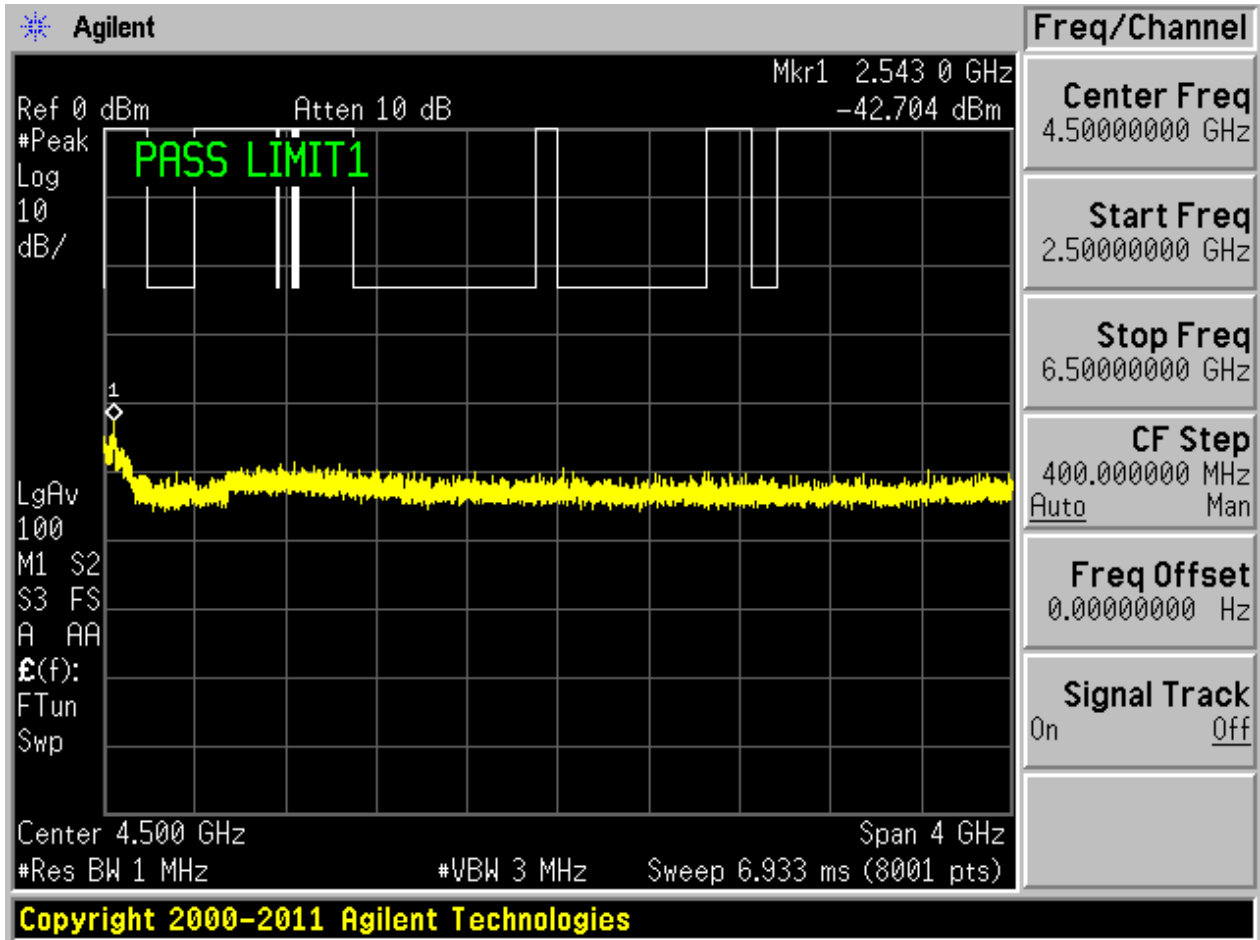


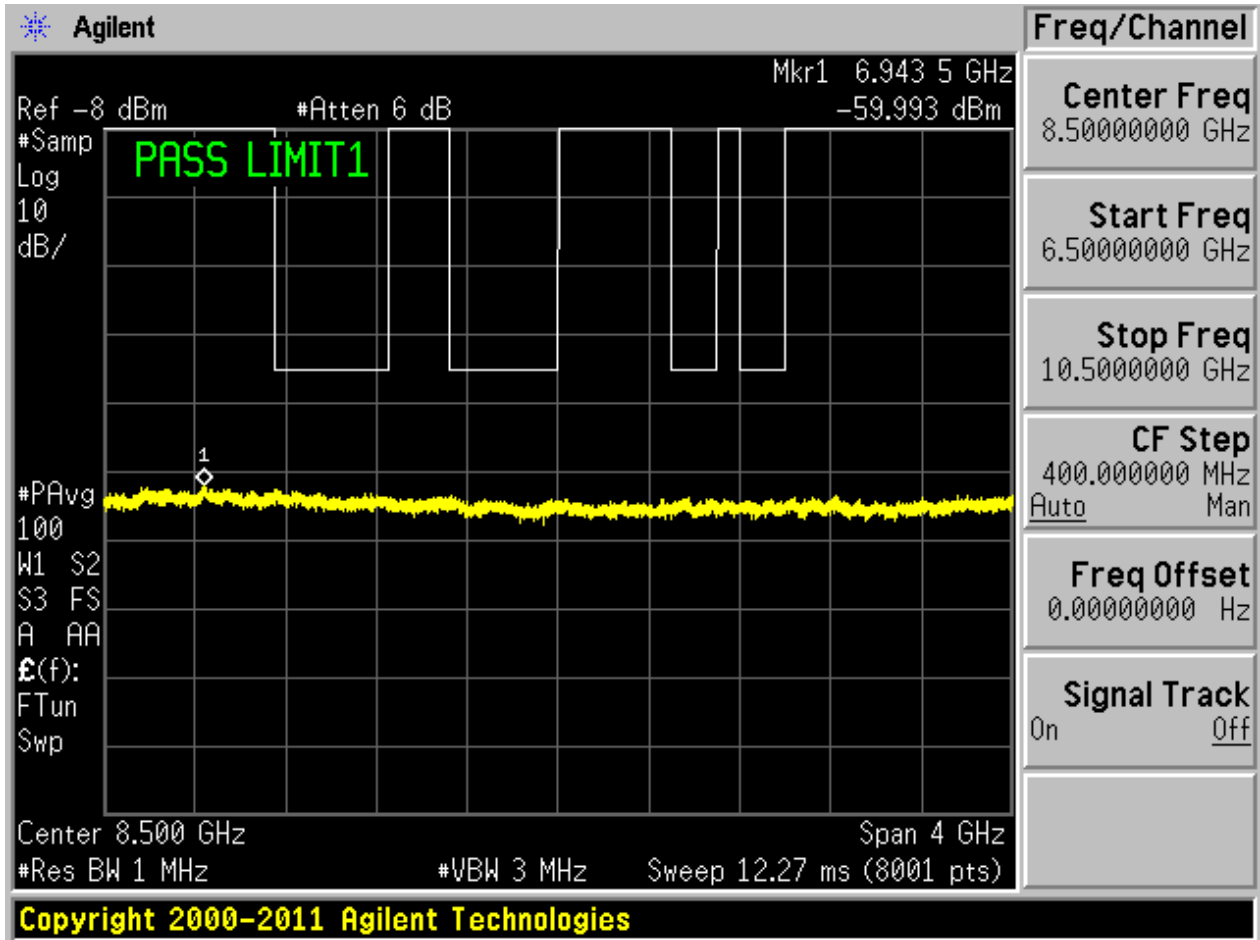


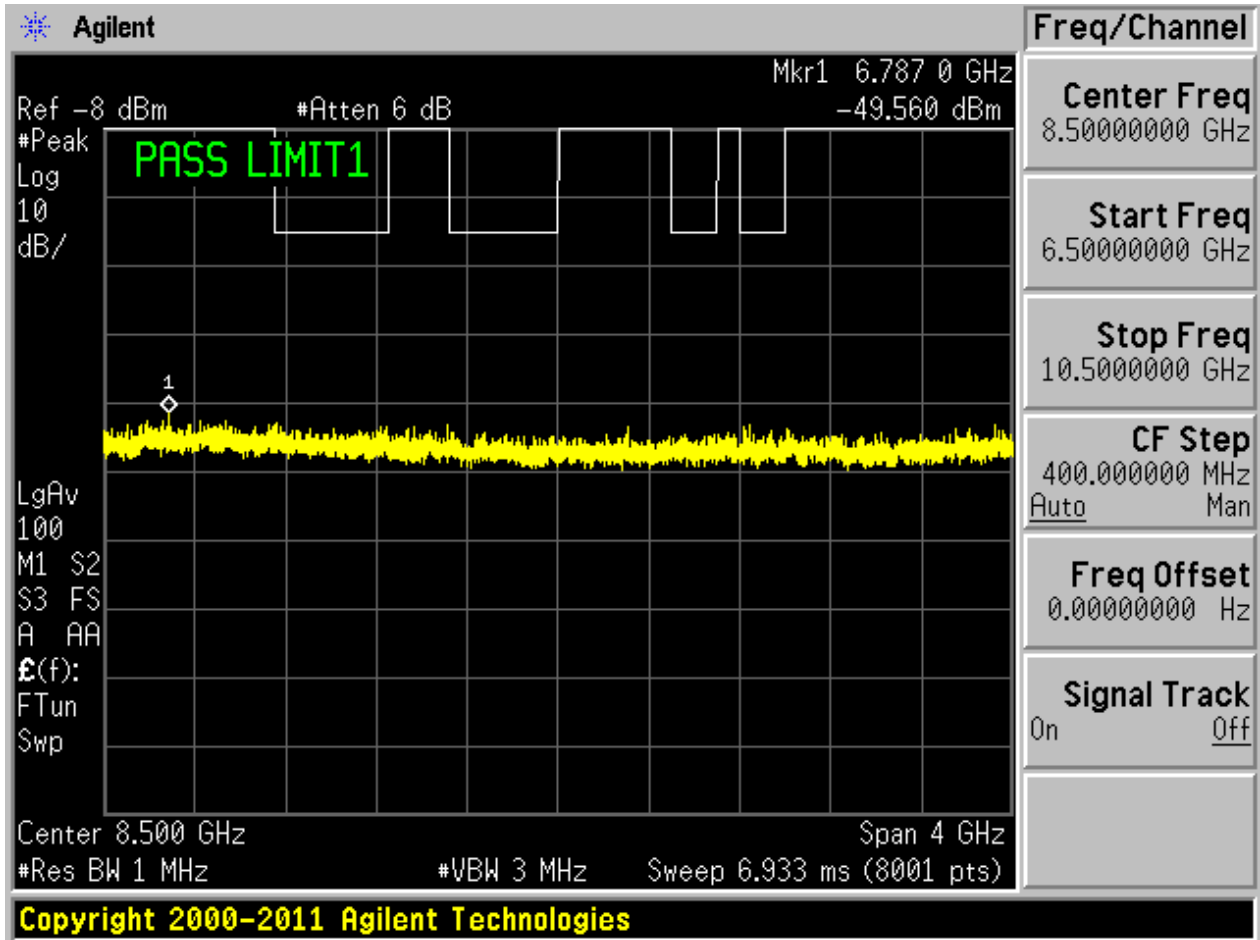


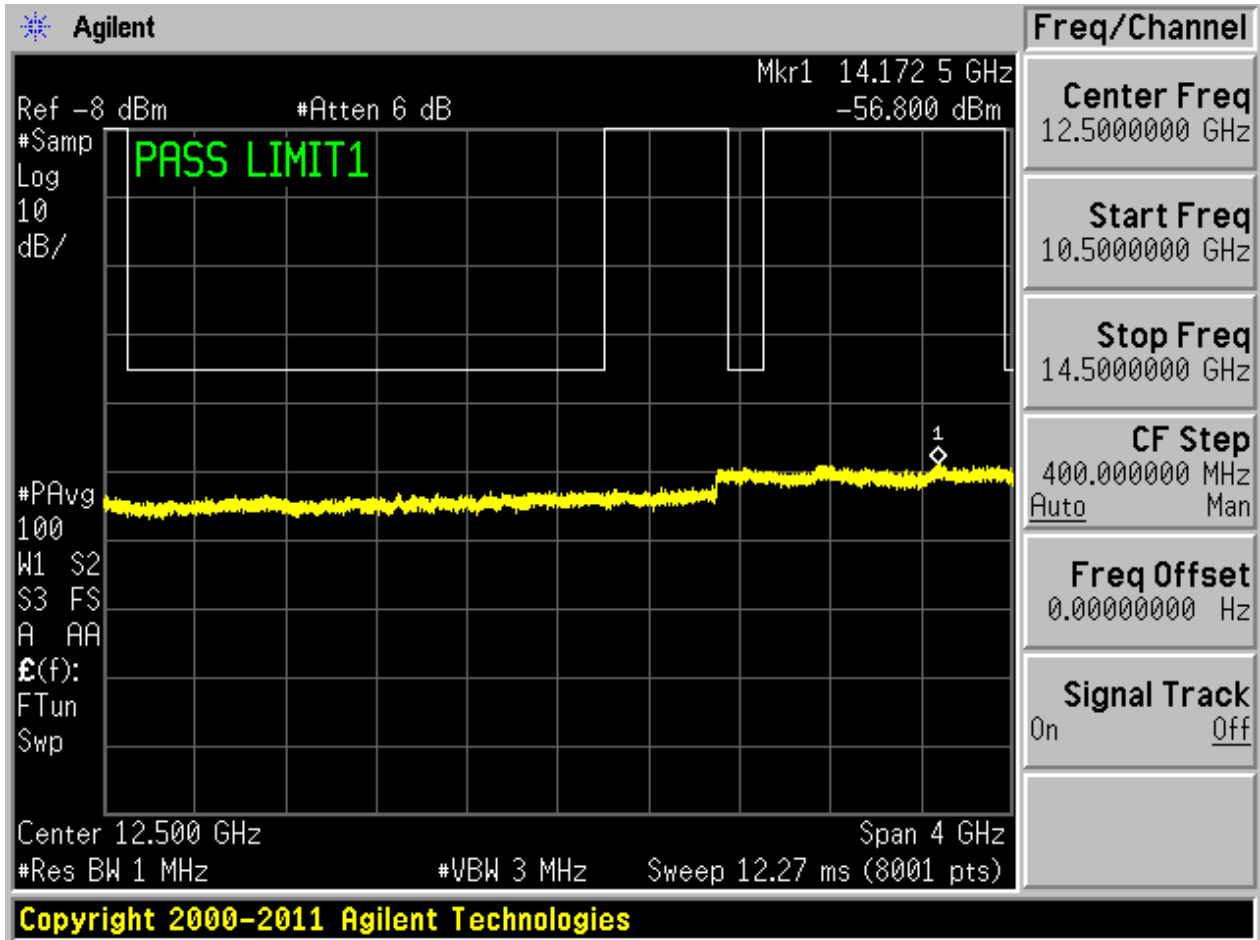
2.5 11B/1_T@1

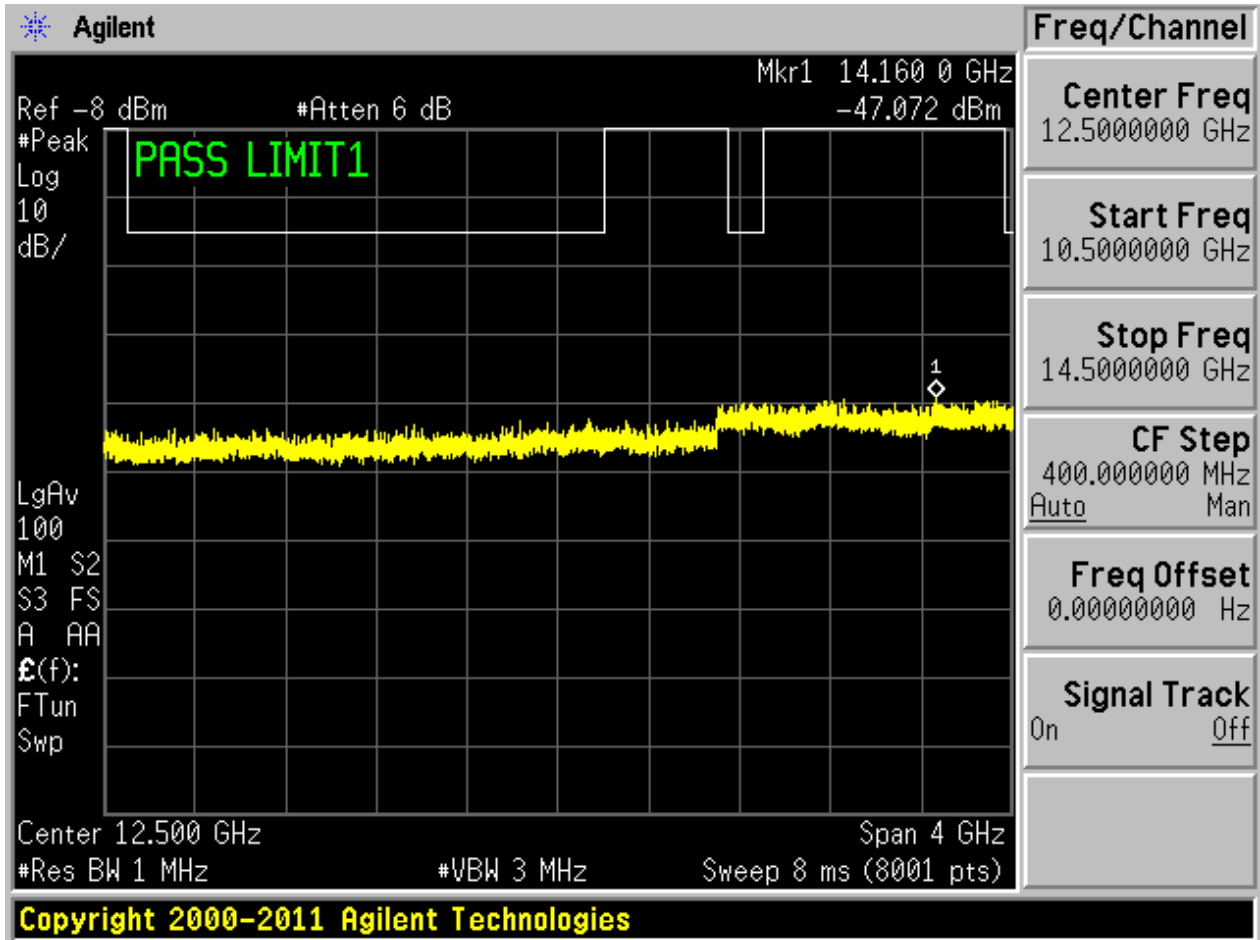


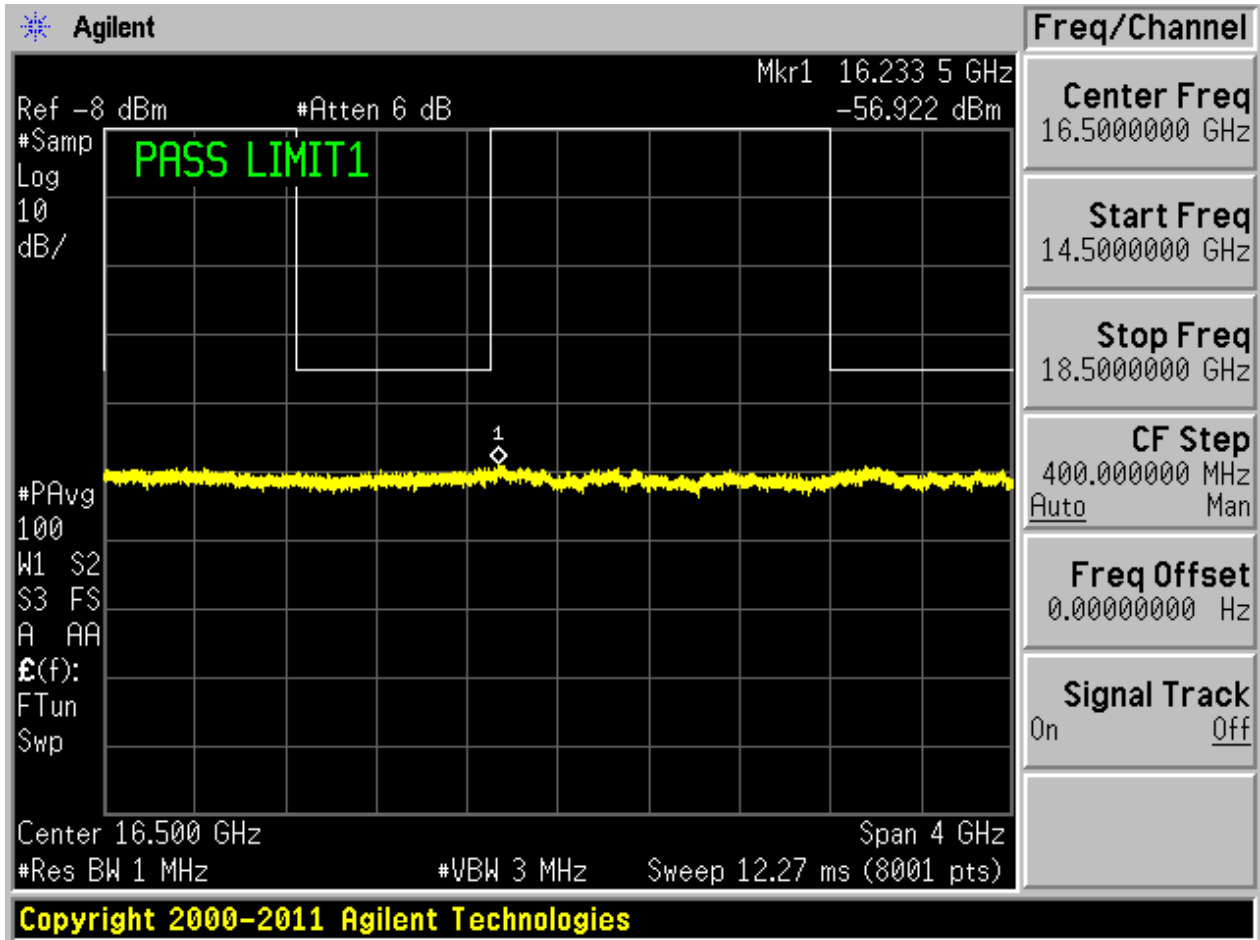


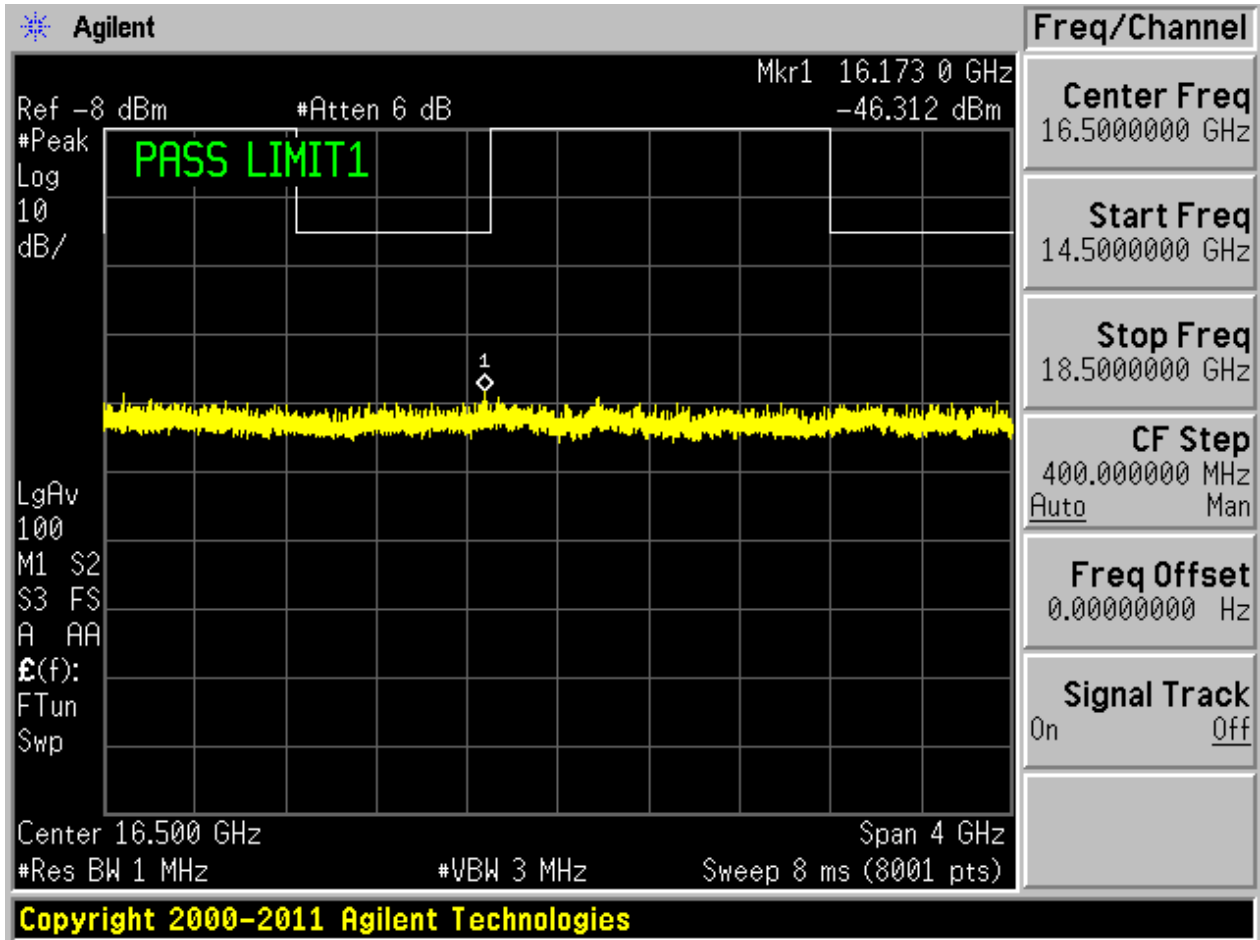


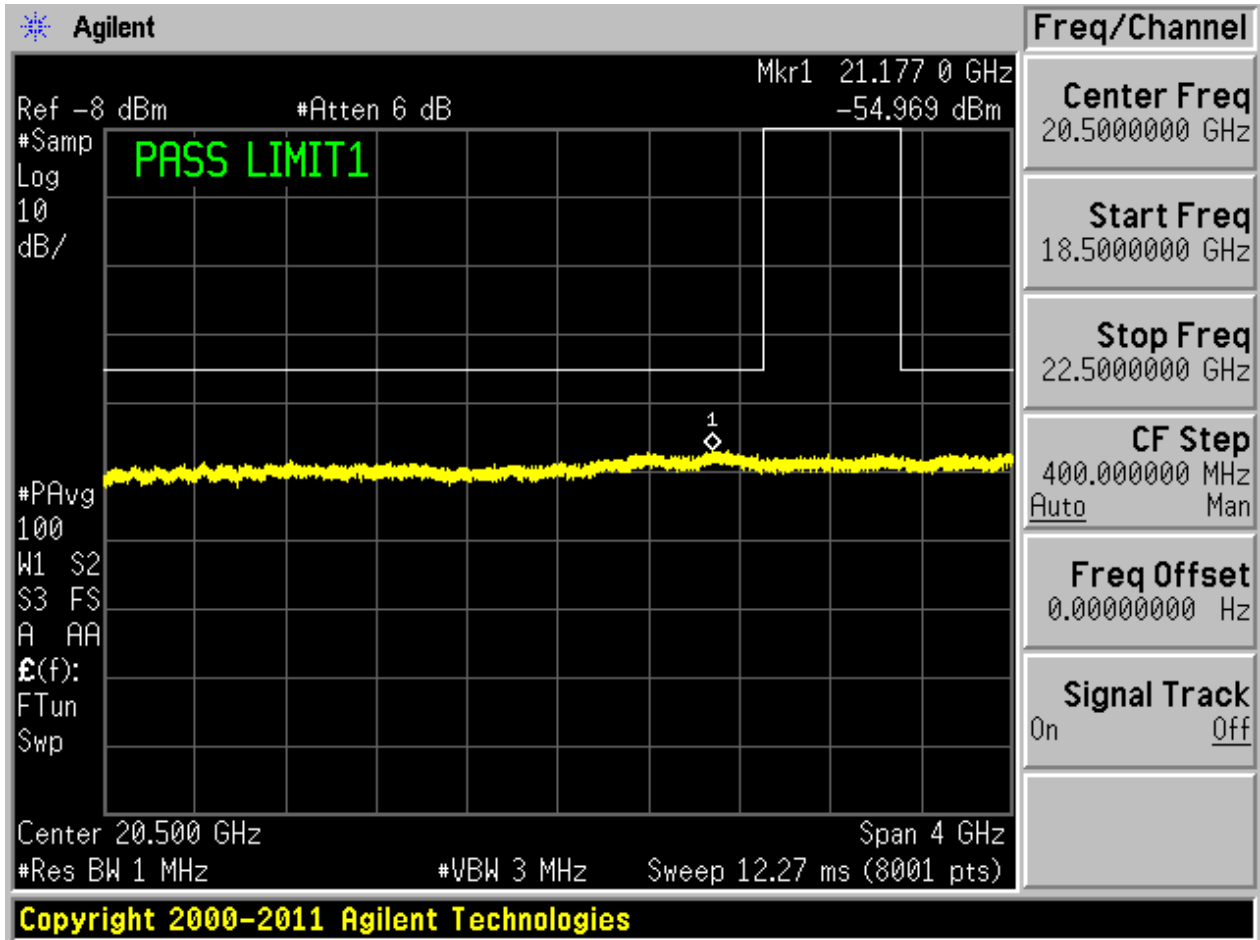


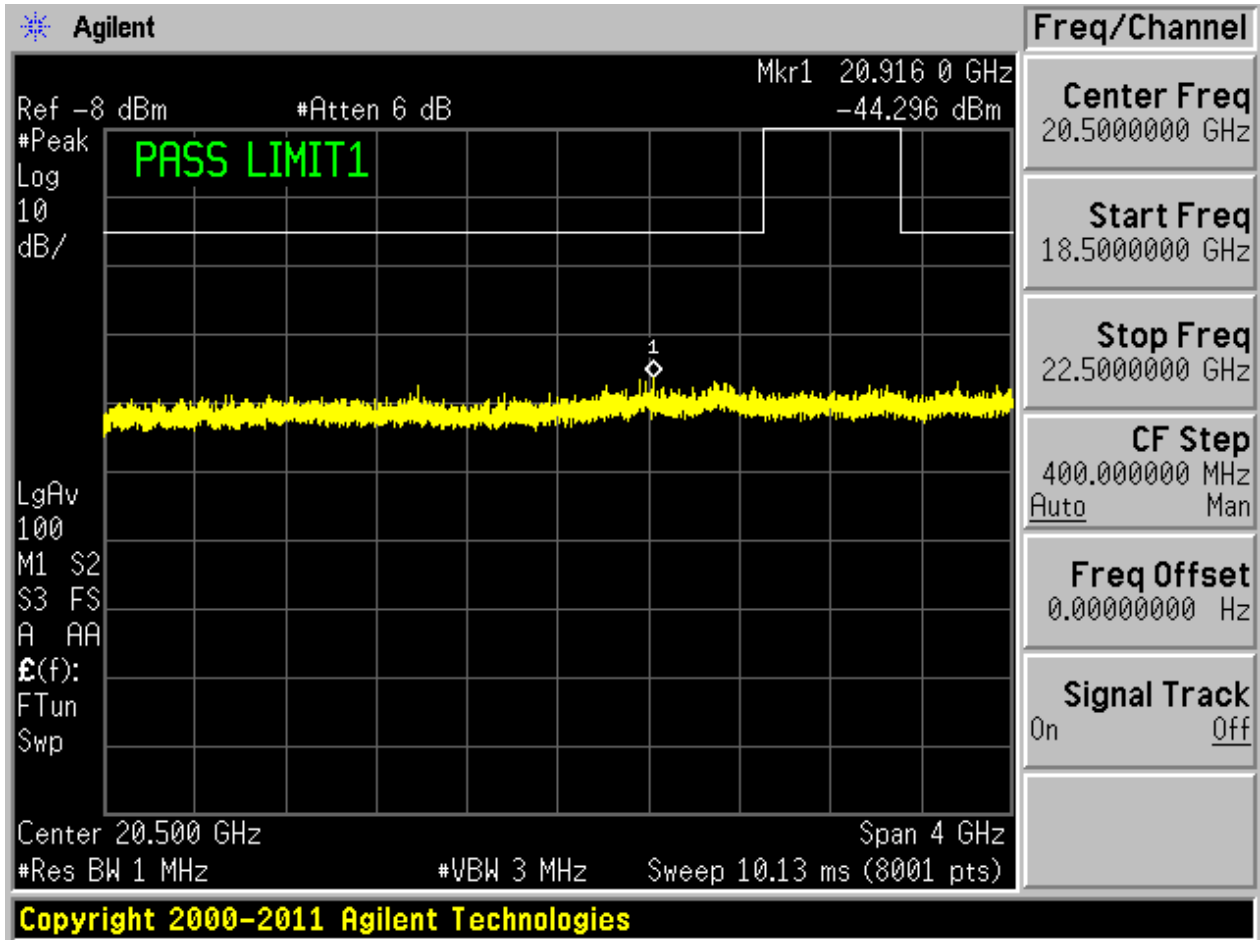


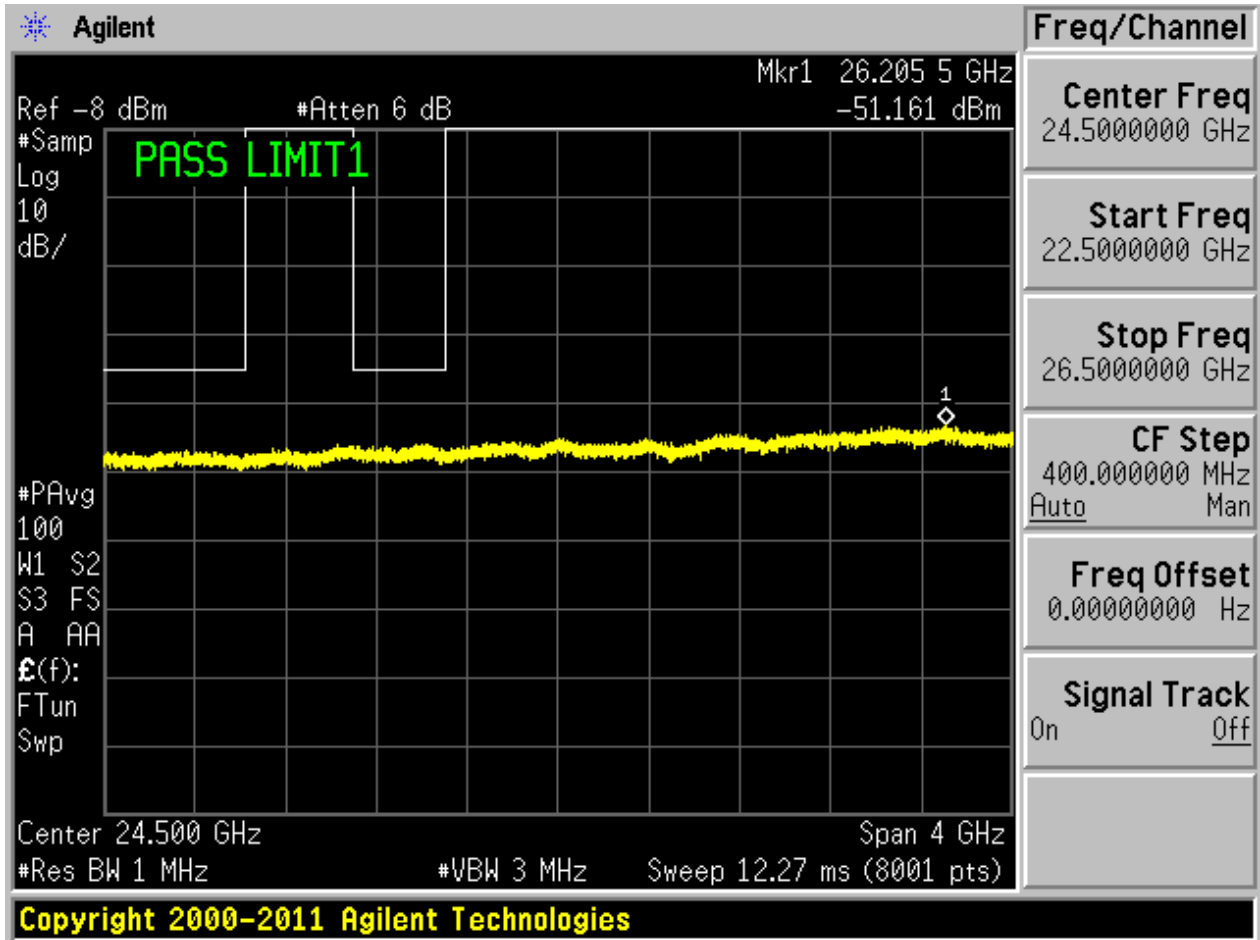


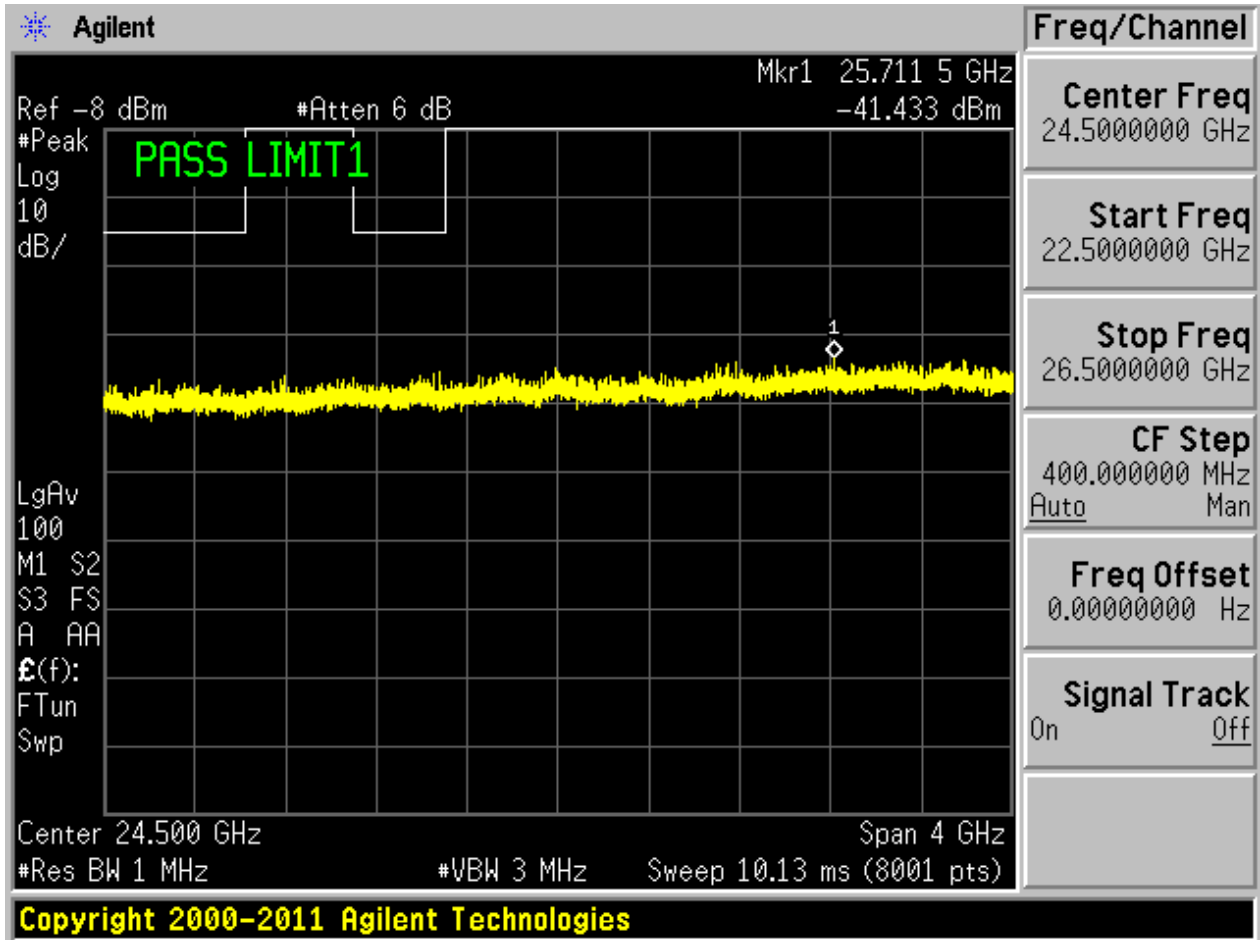


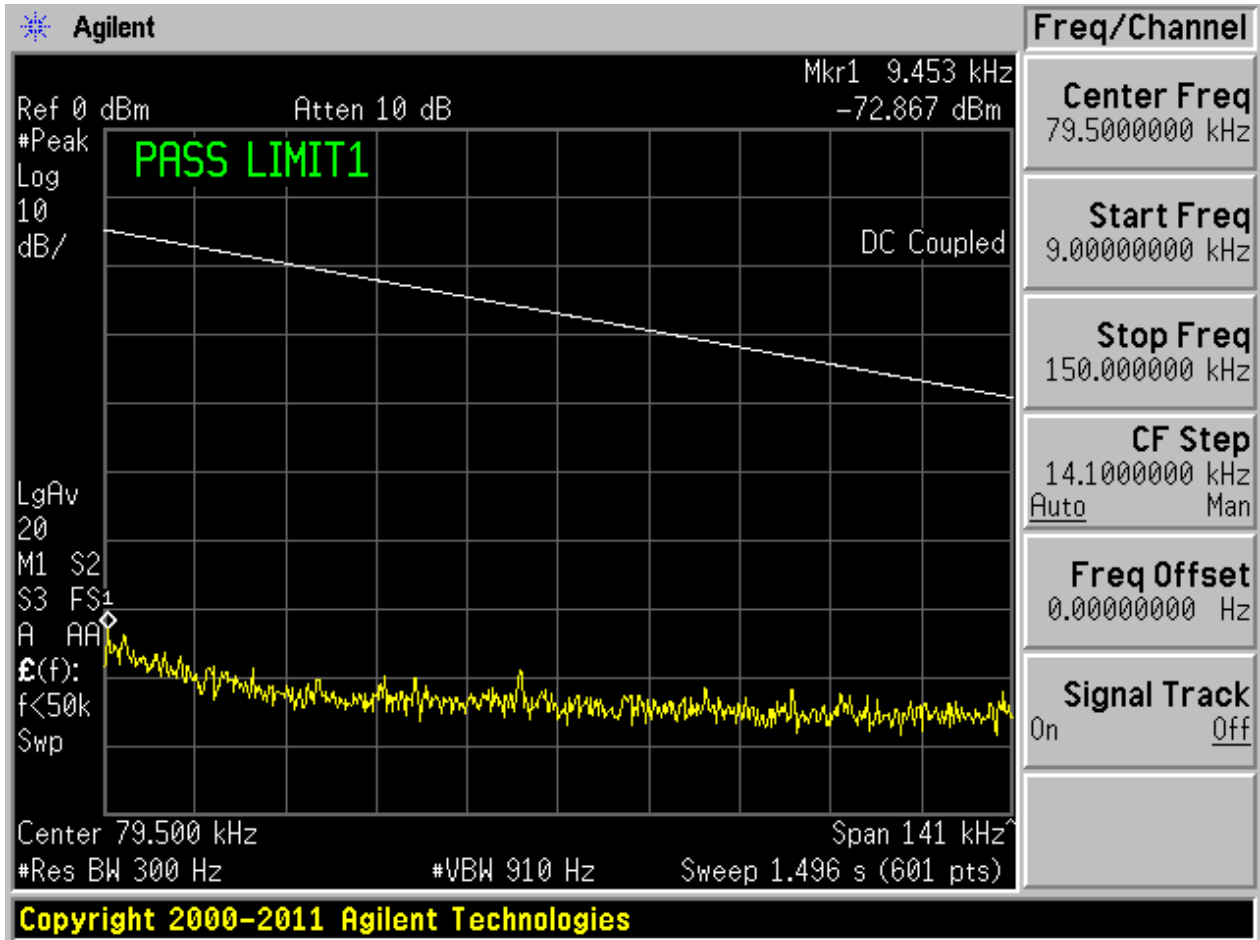


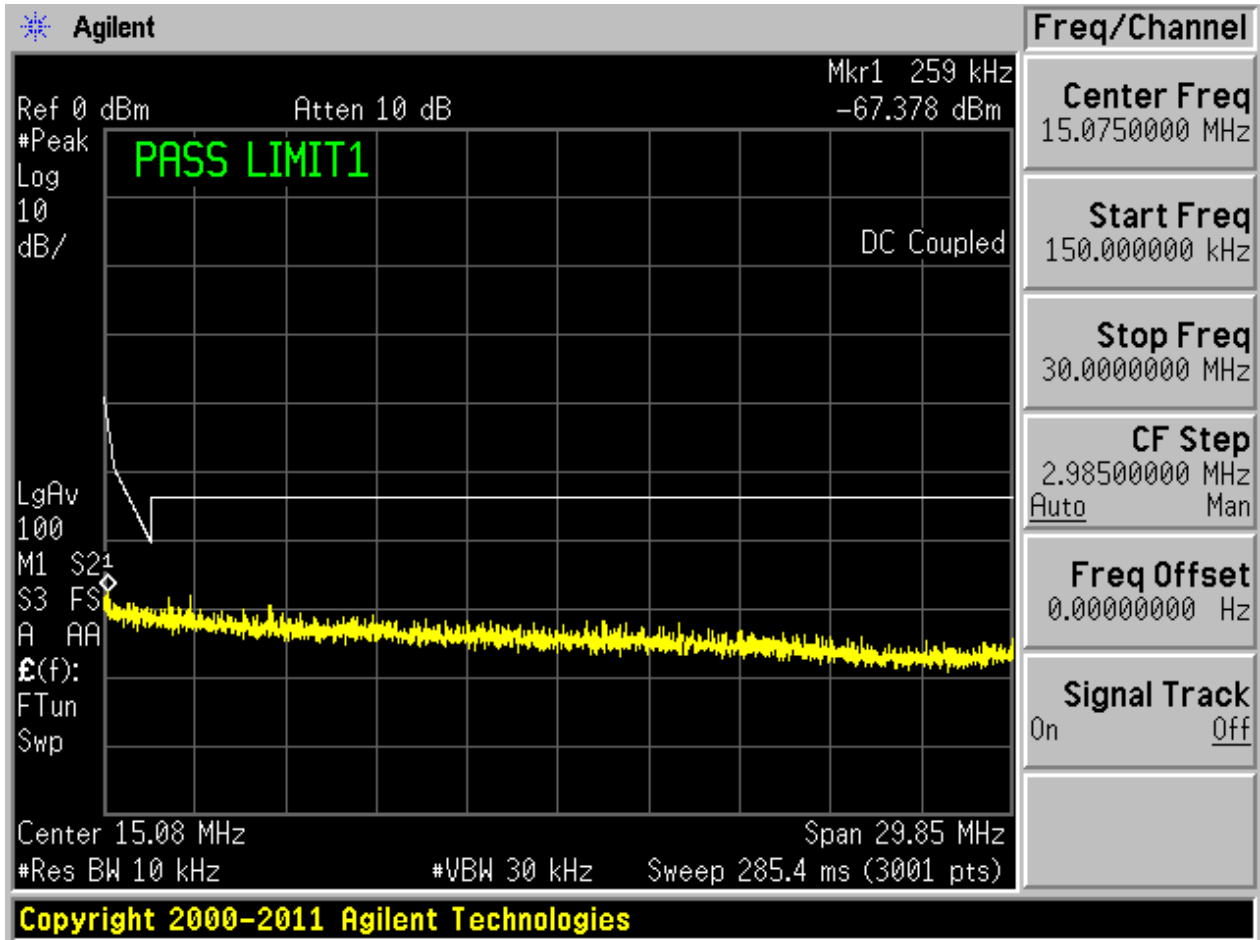


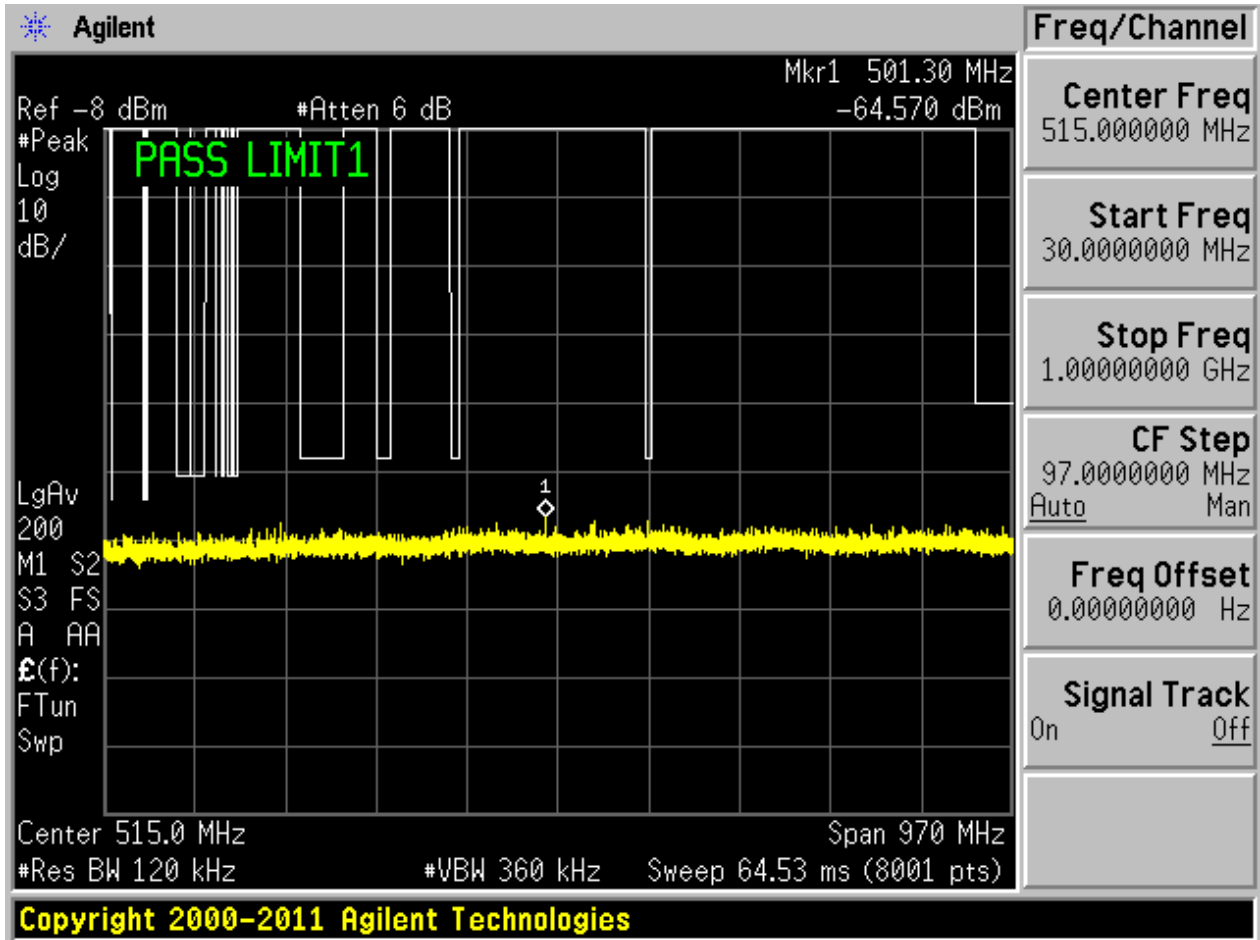


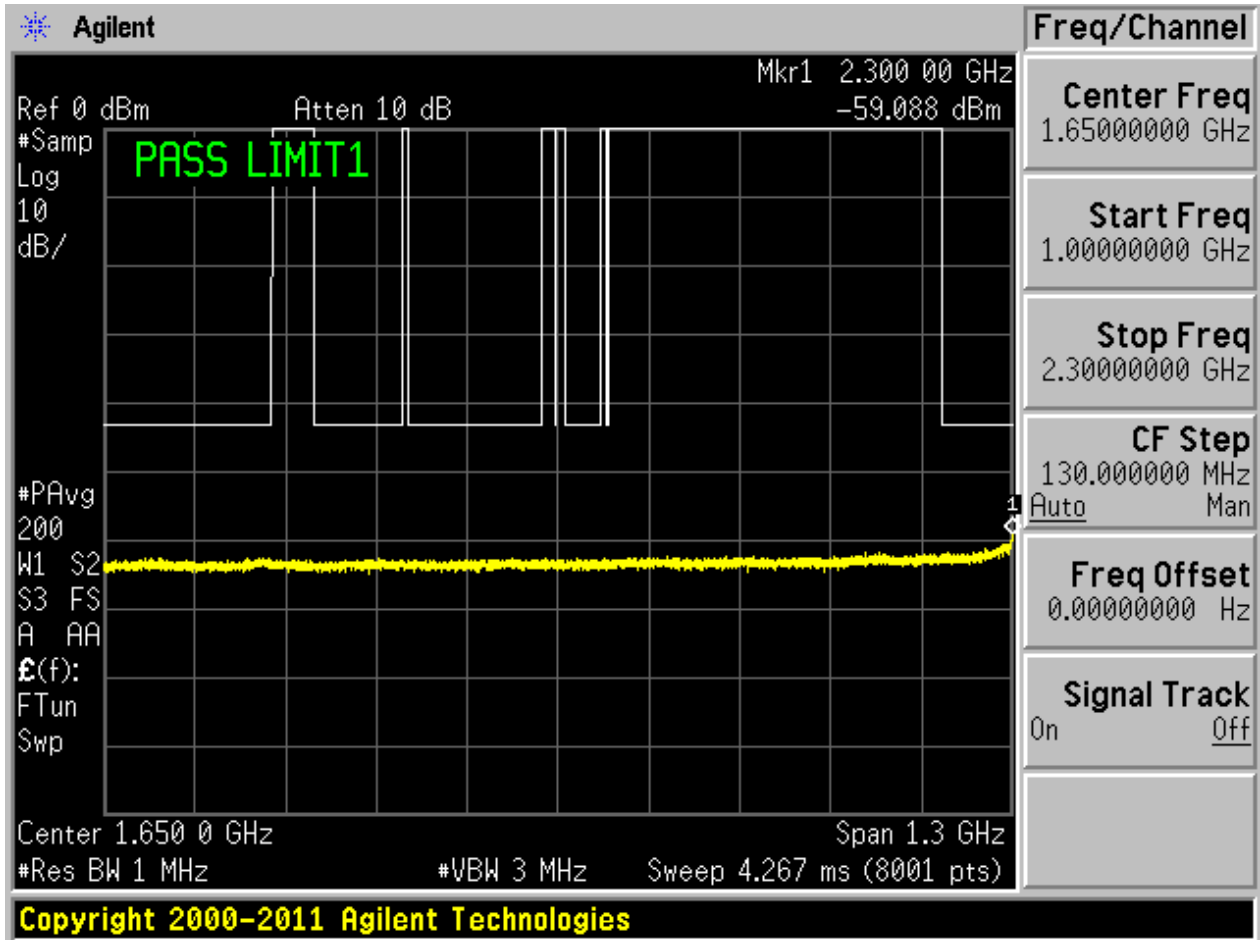


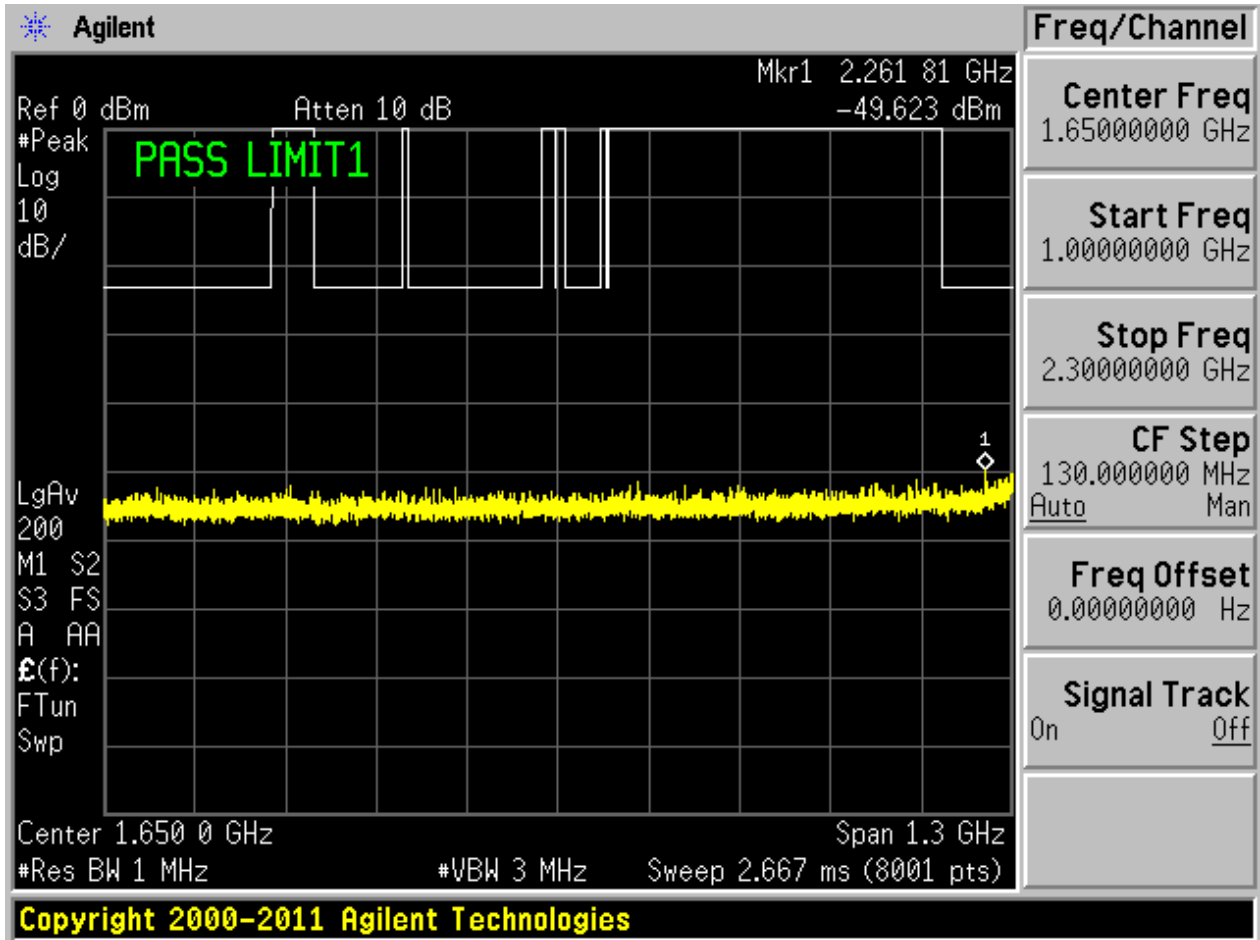


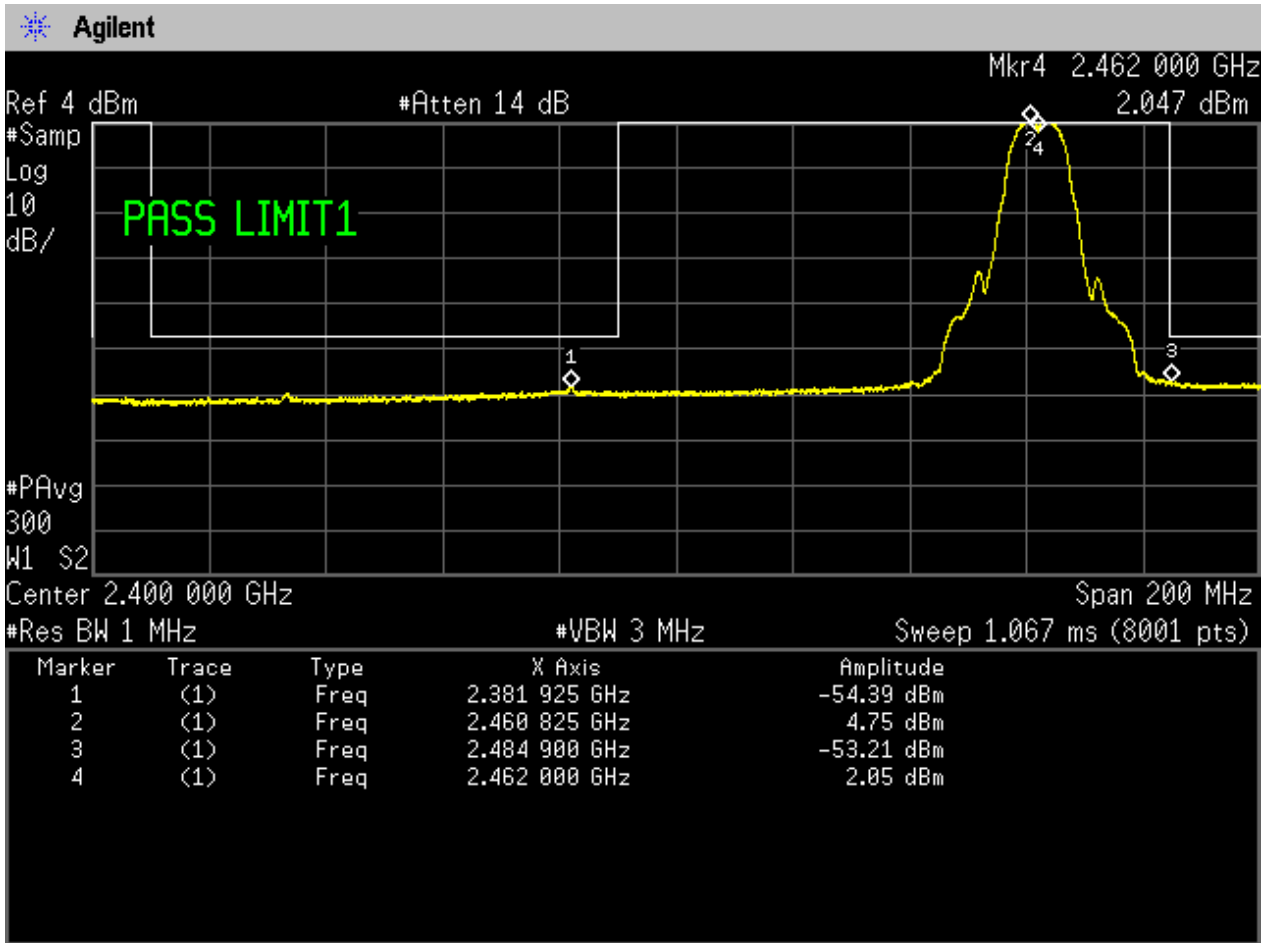


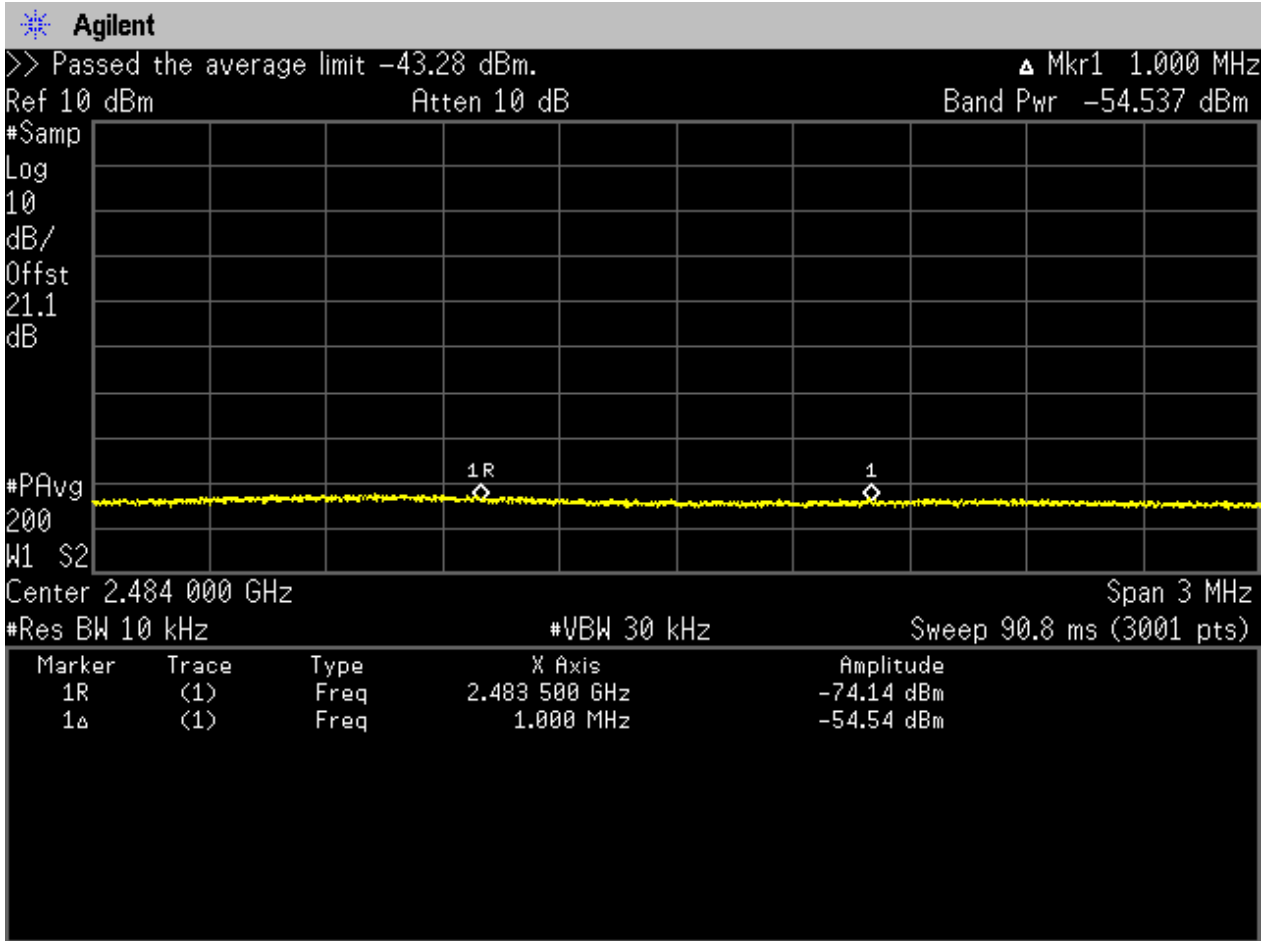


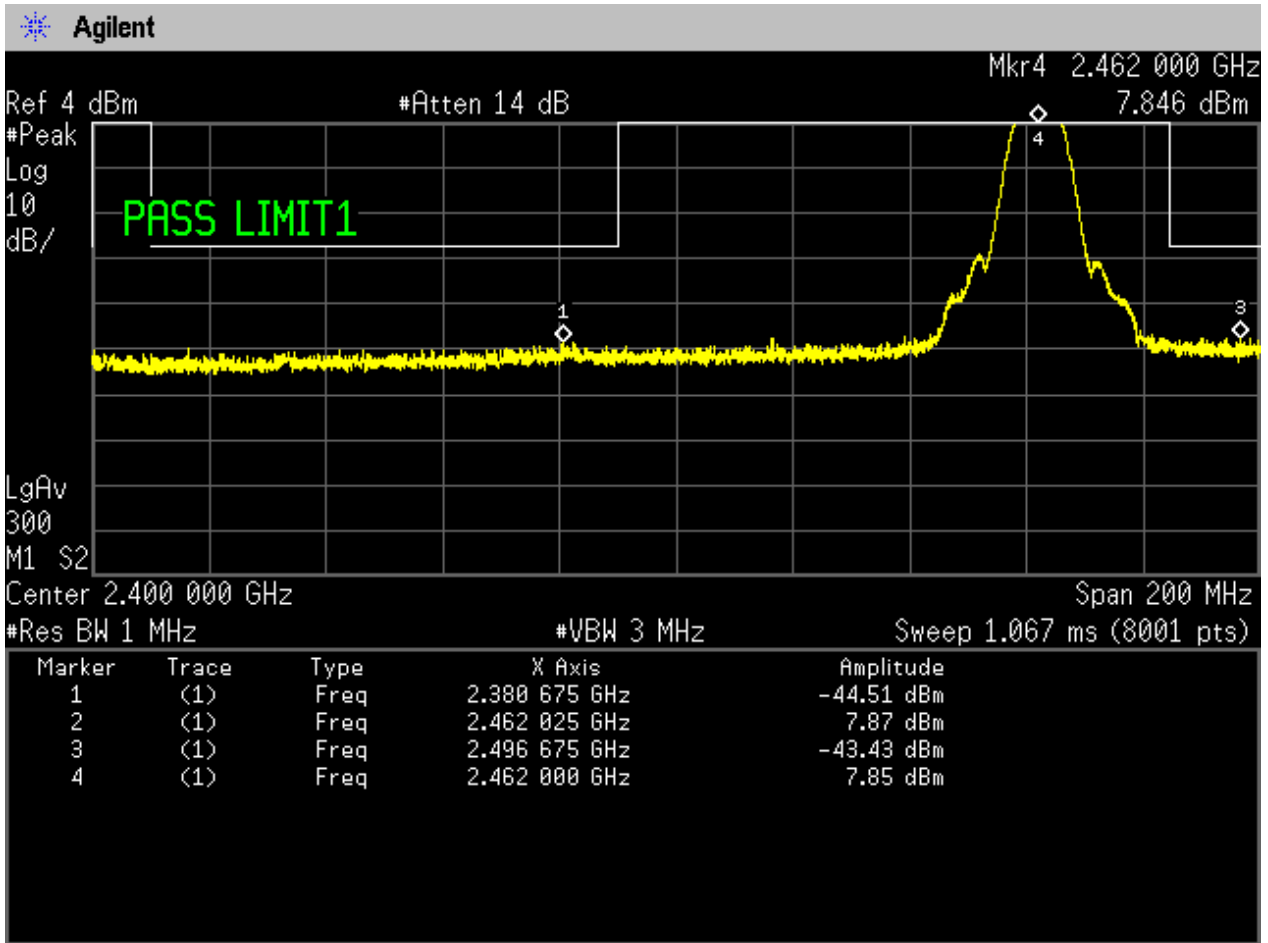


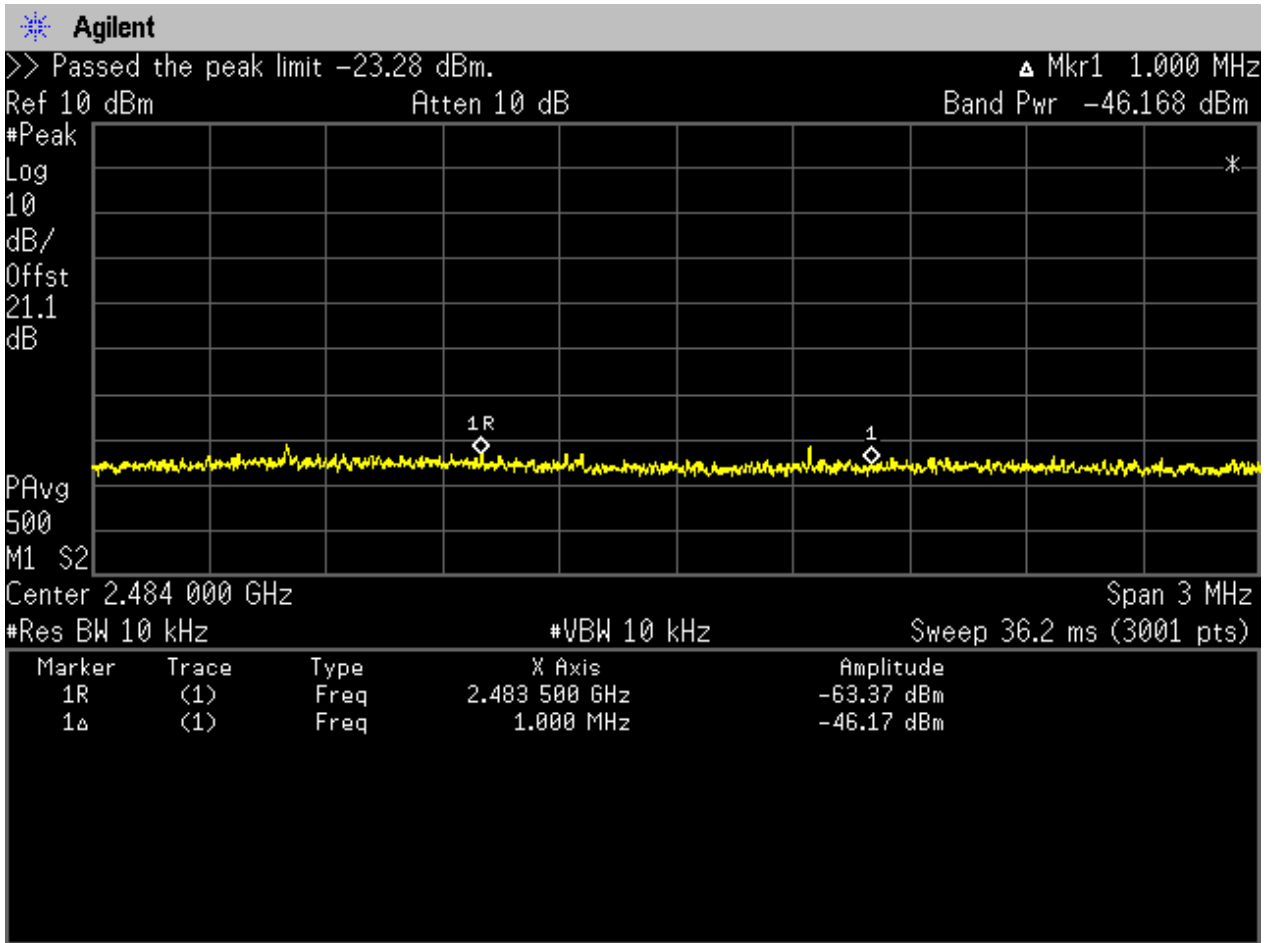




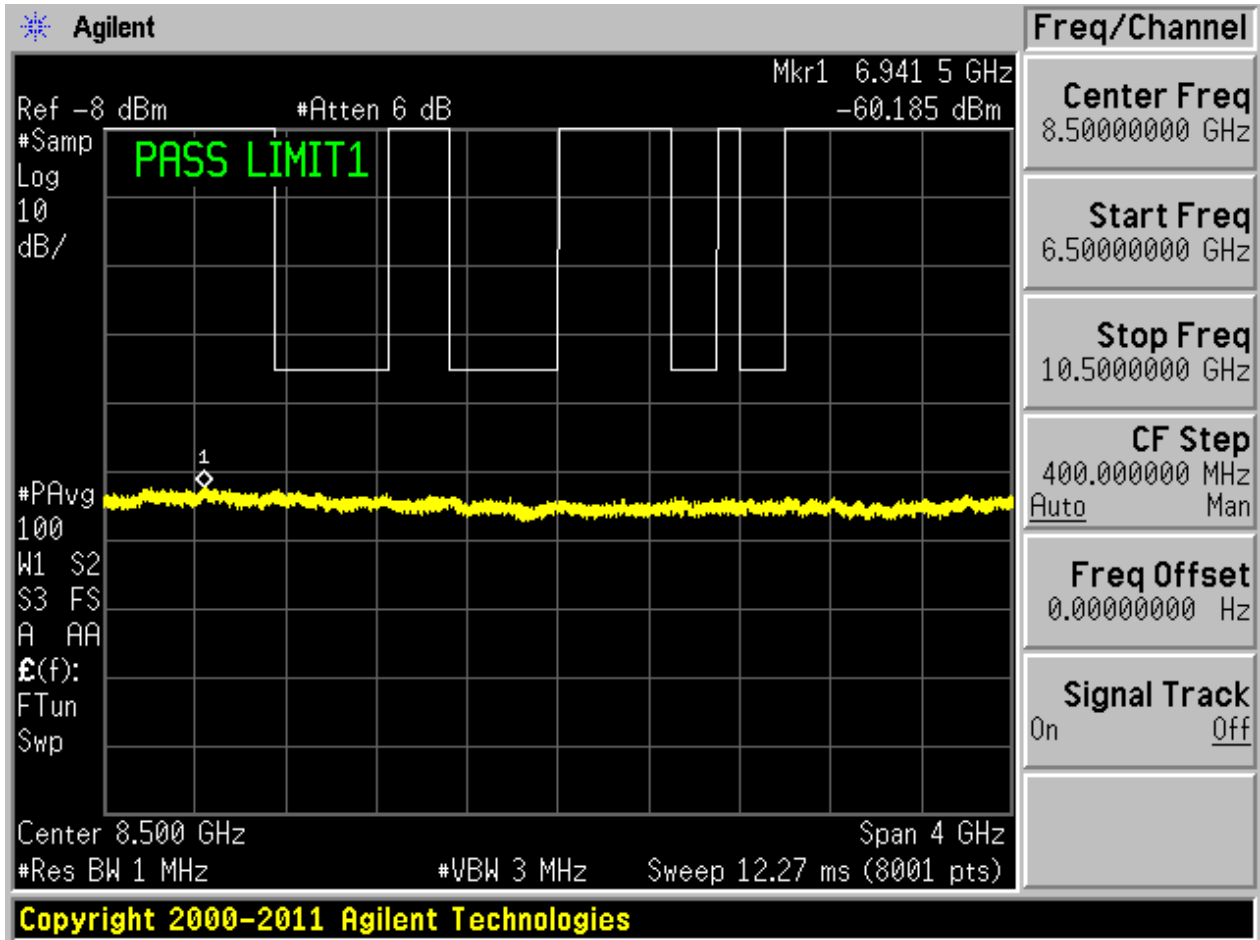


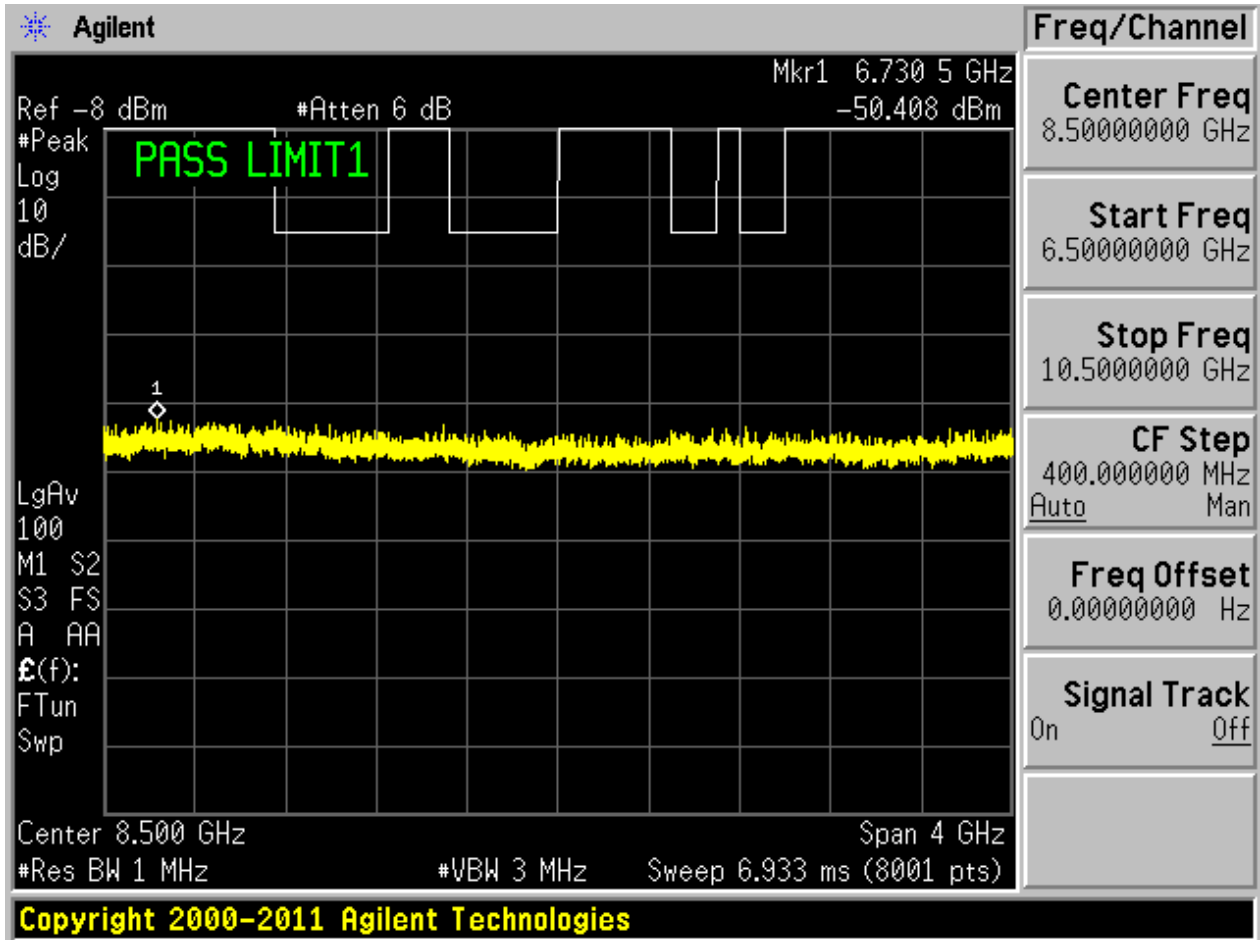


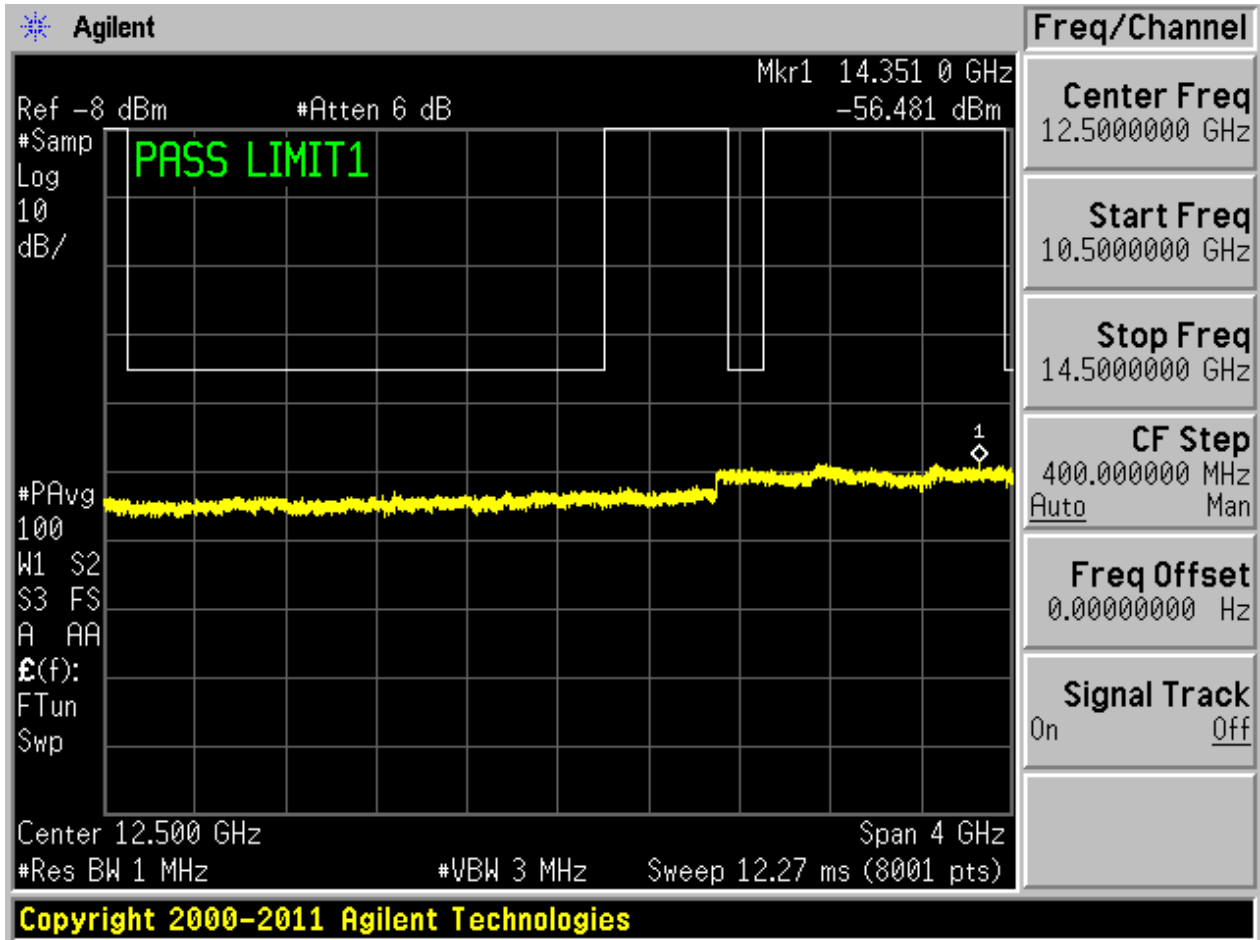


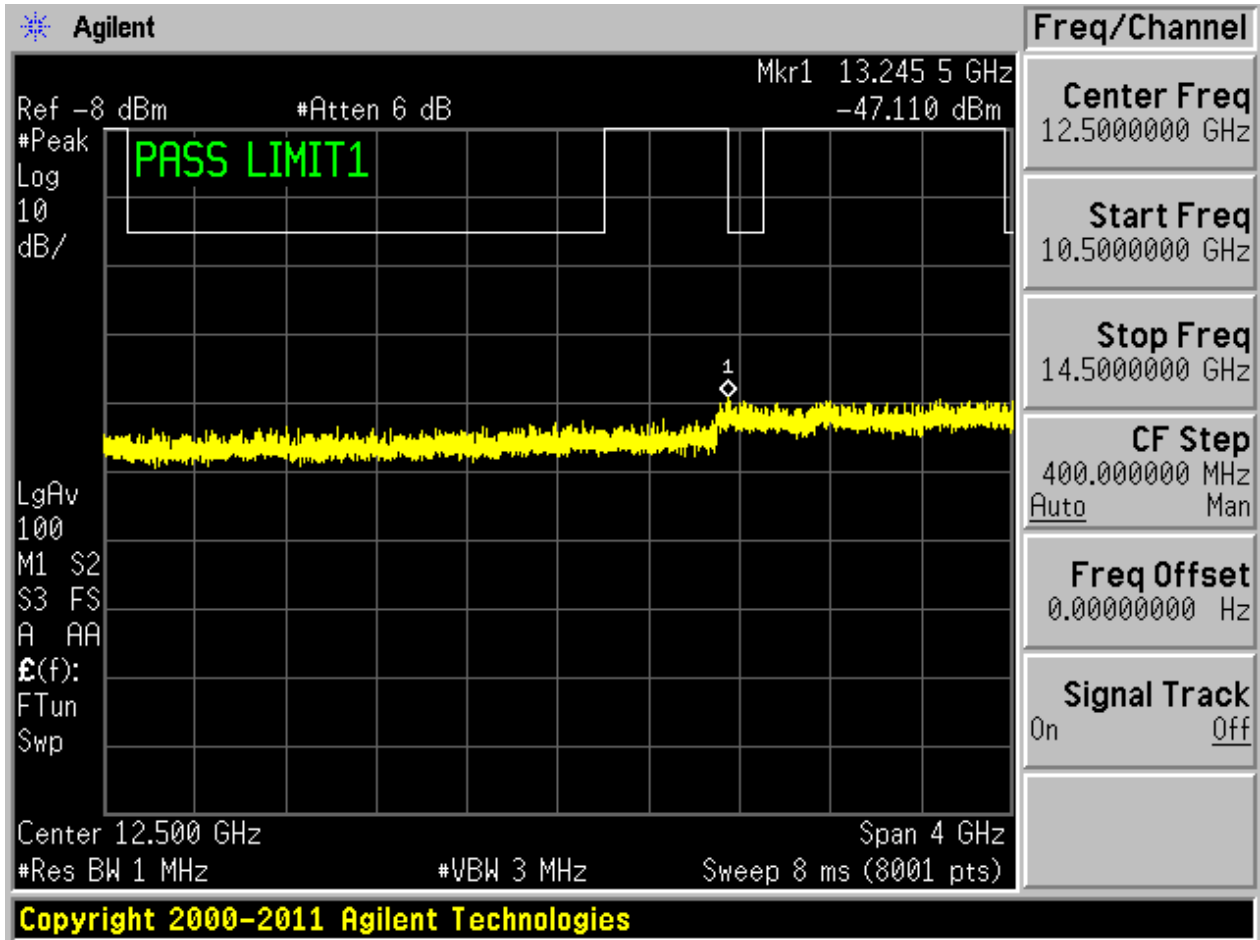


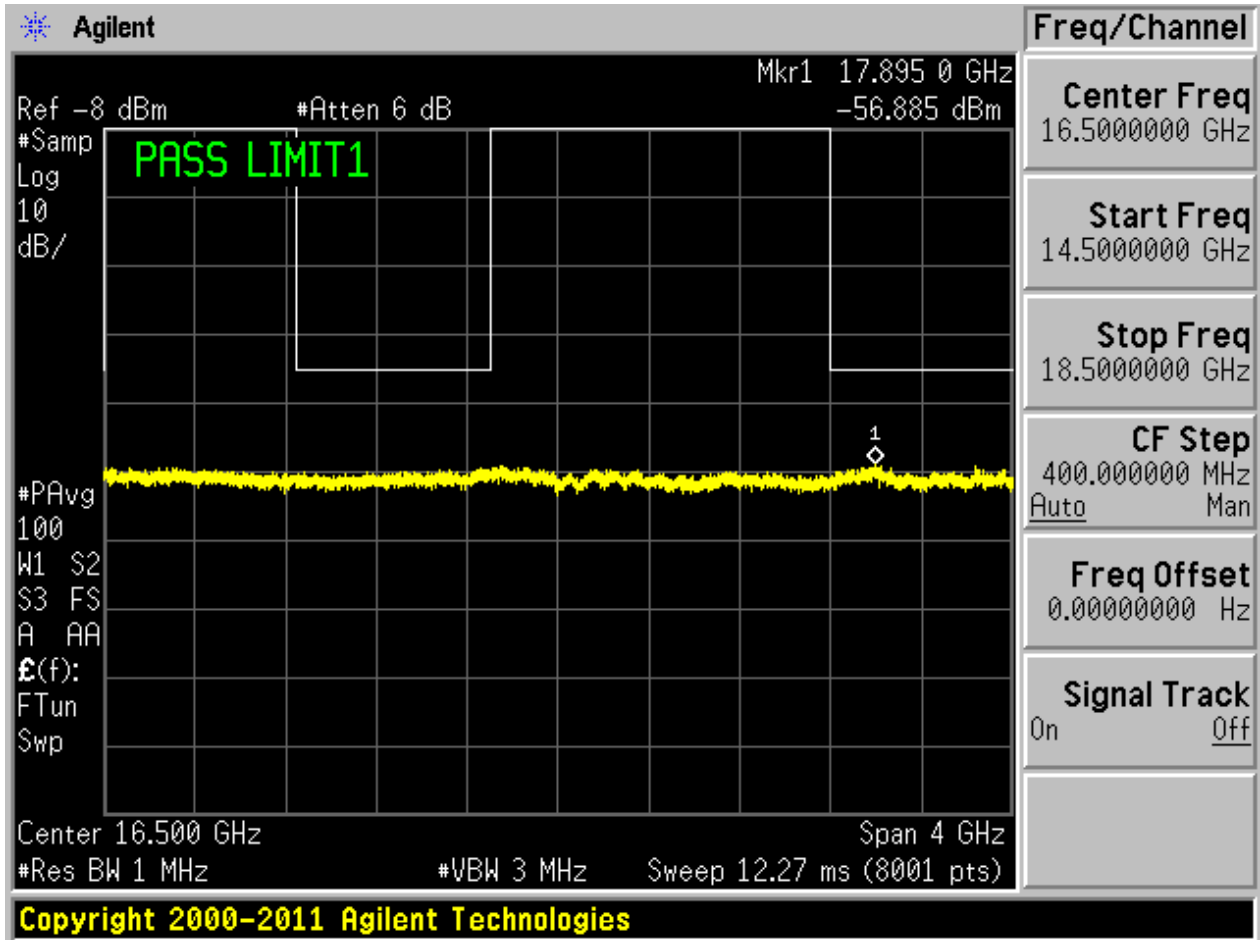
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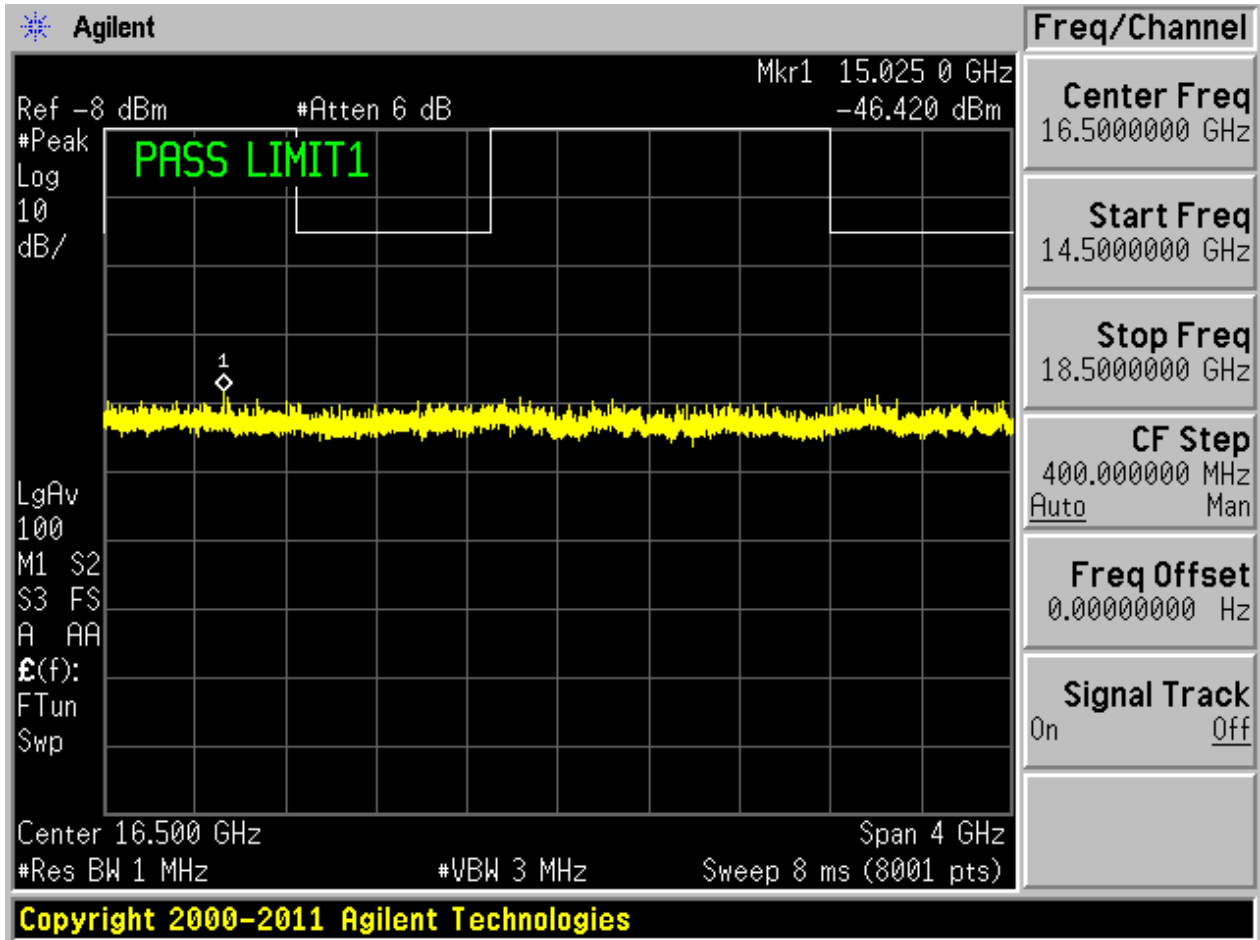


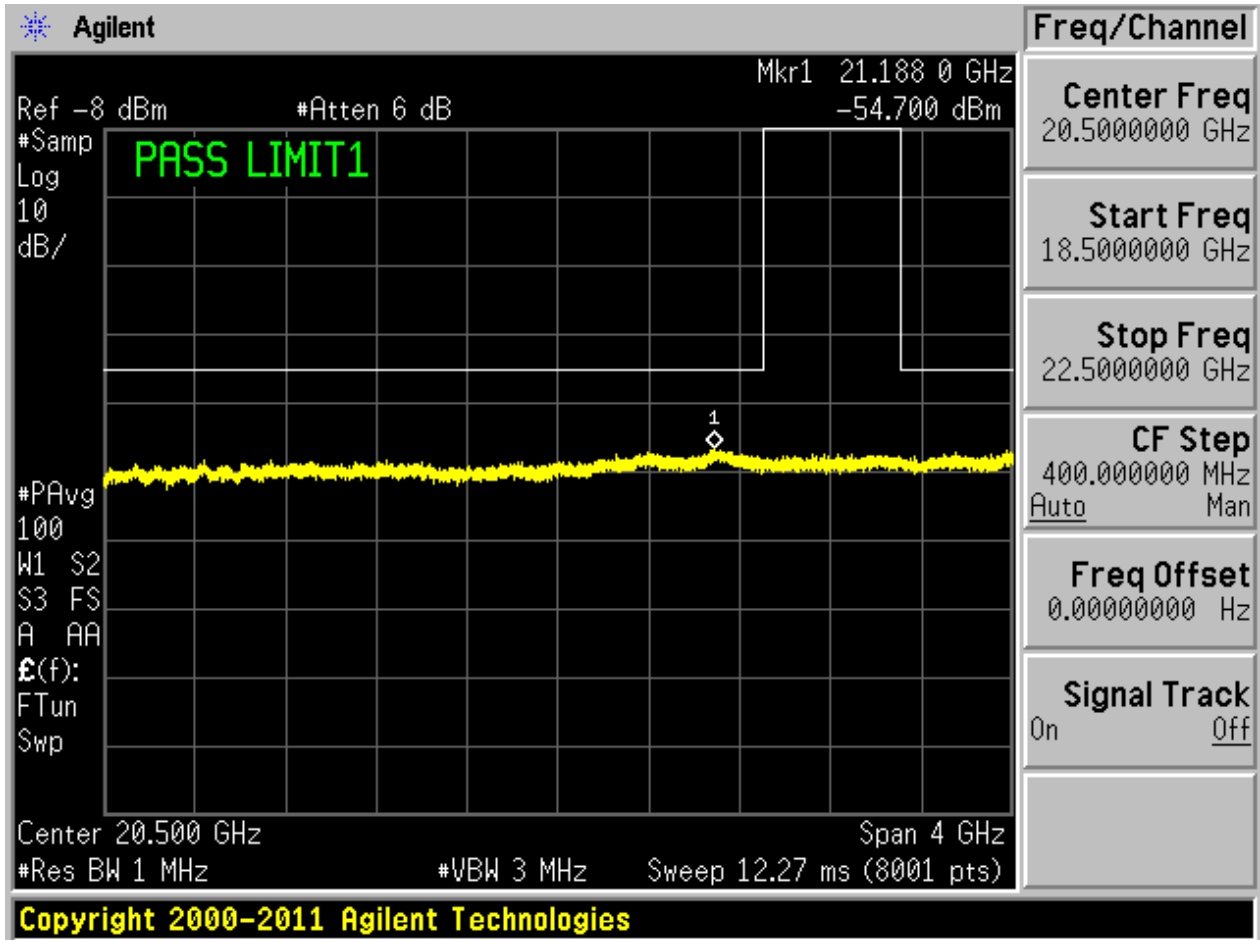


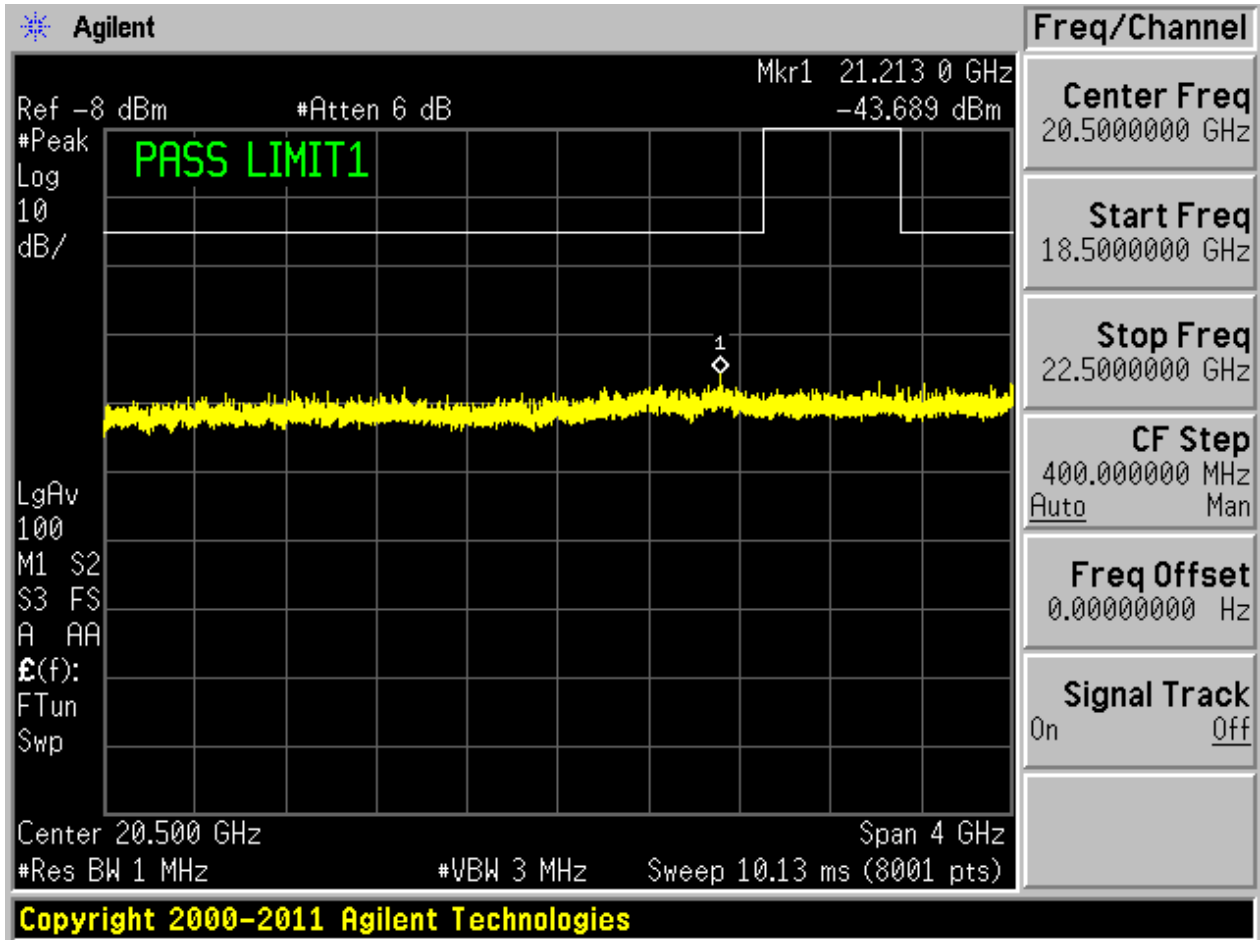




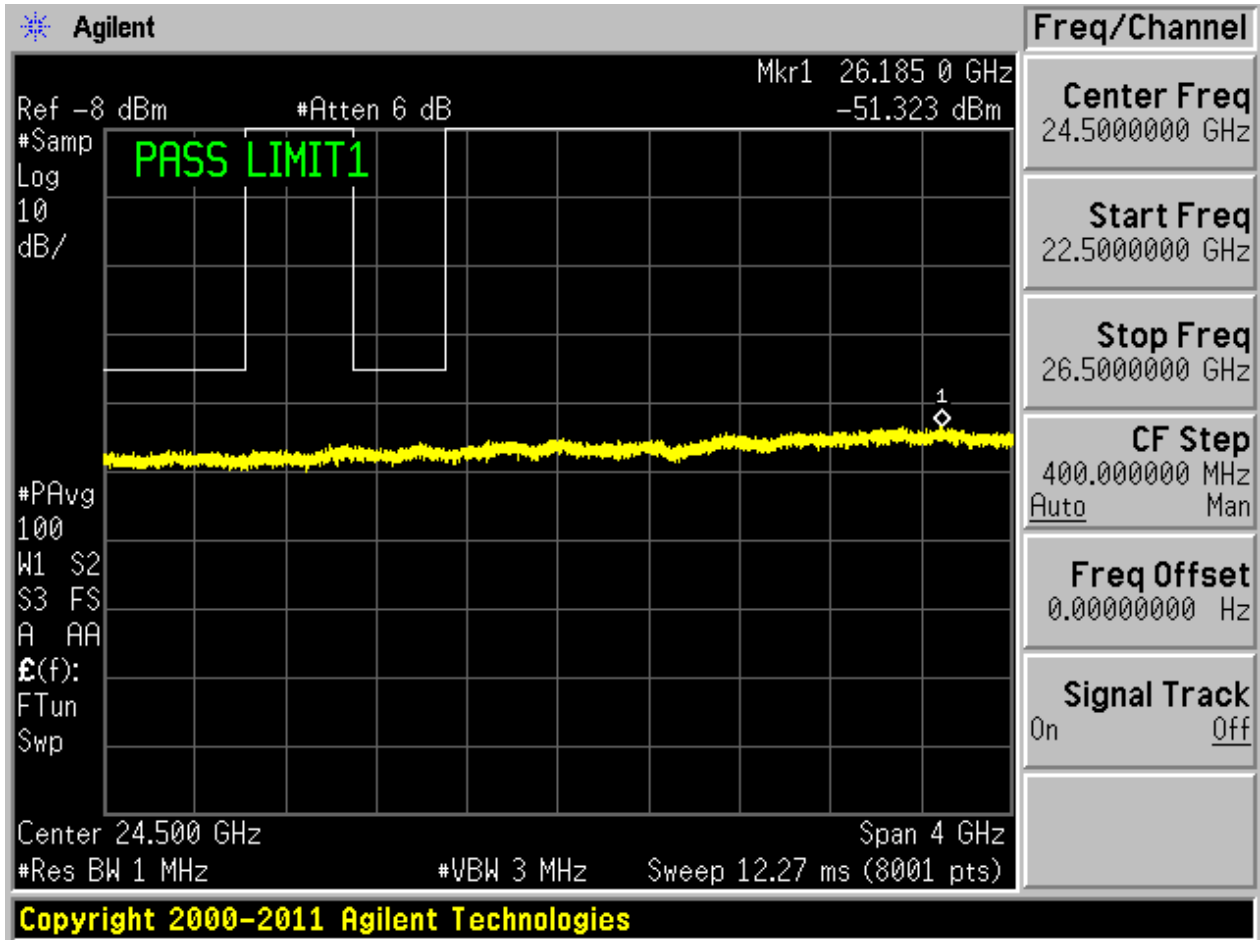


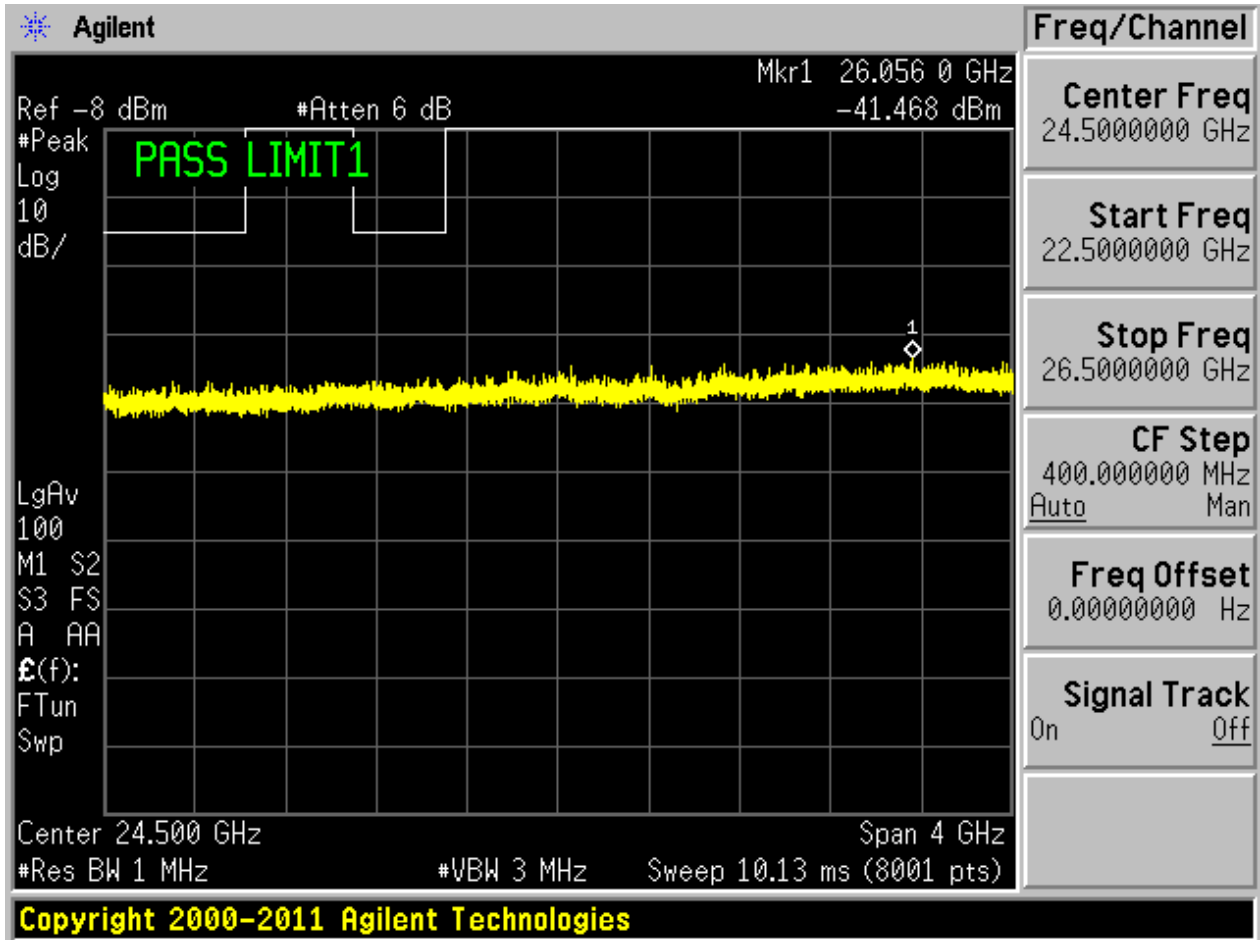


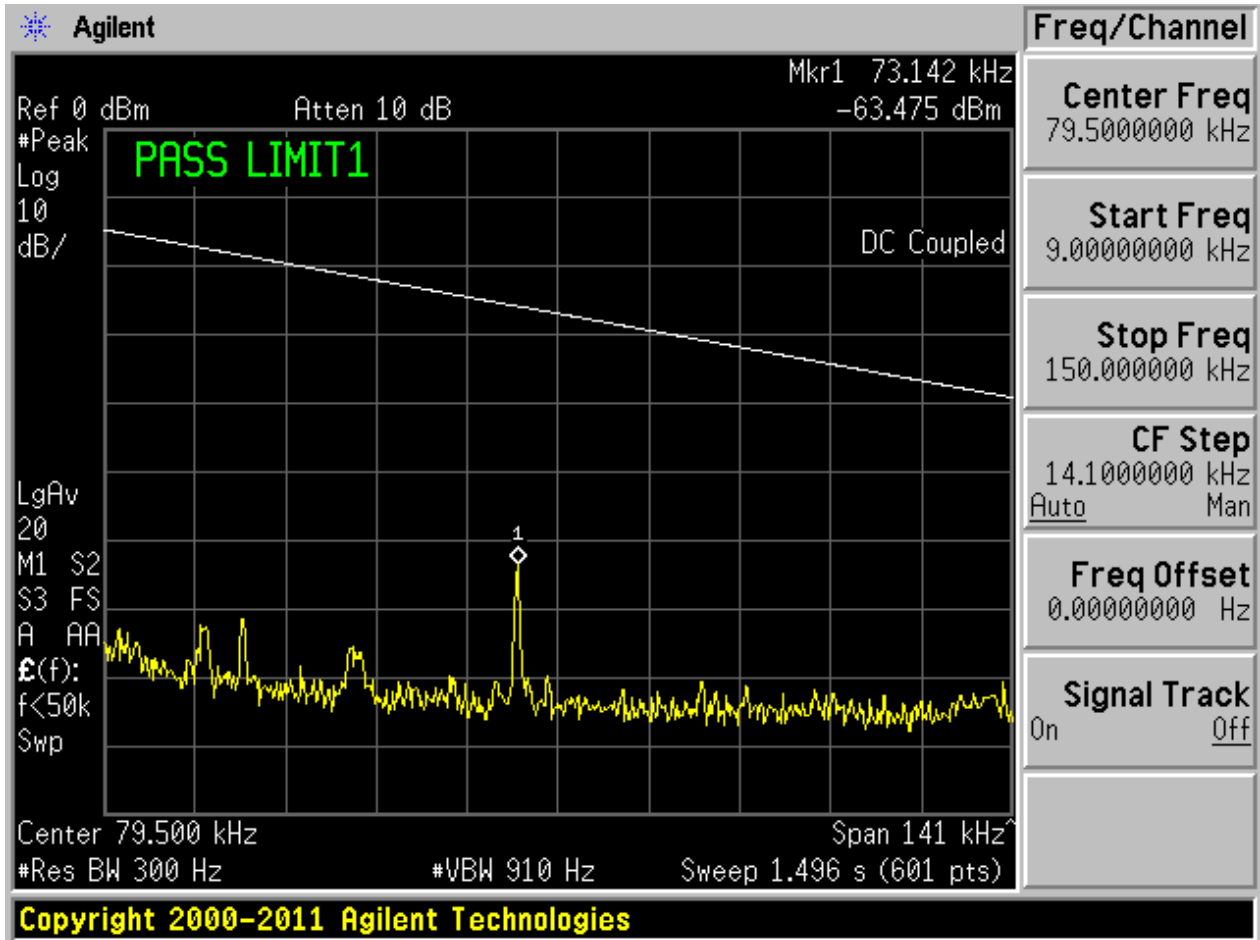


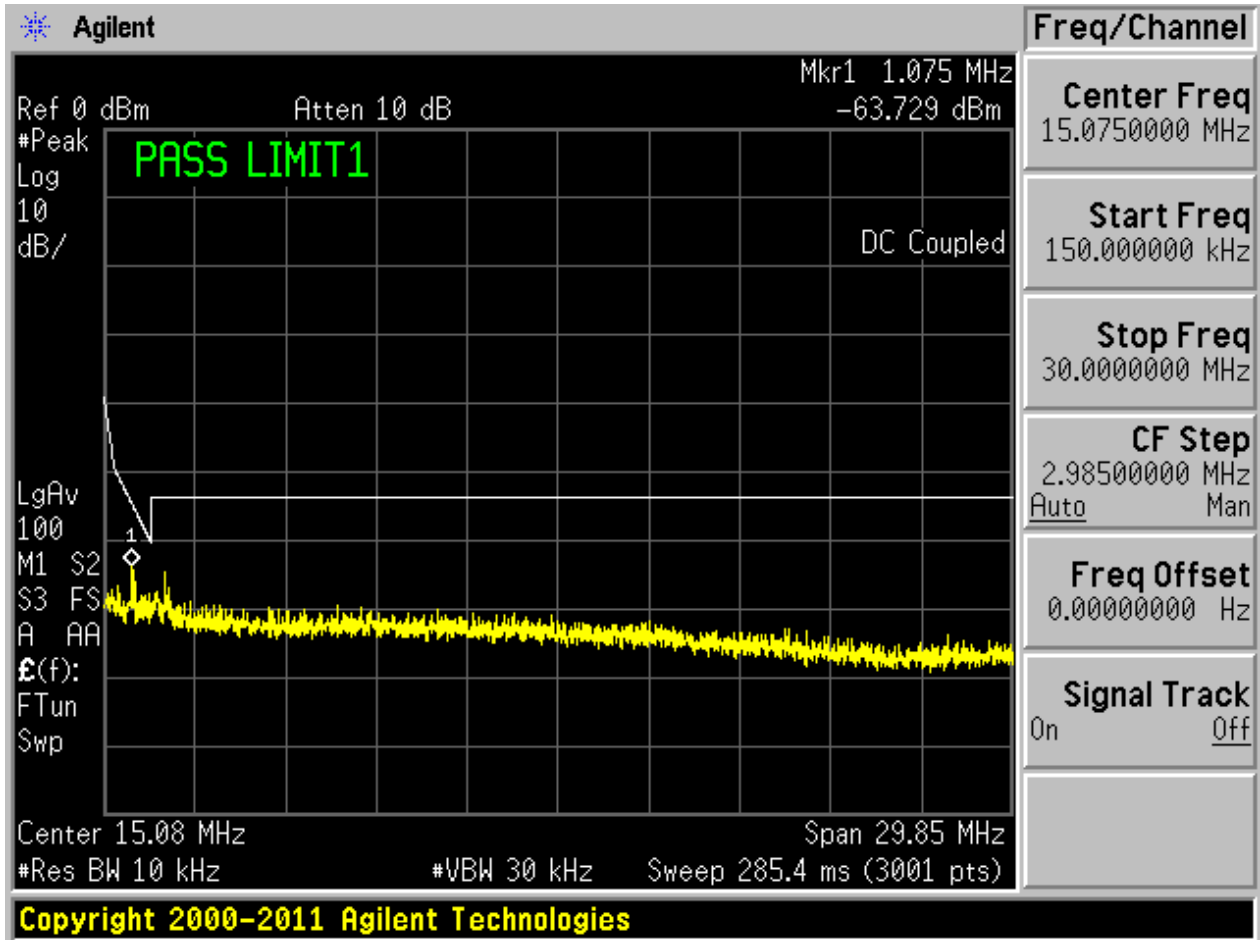


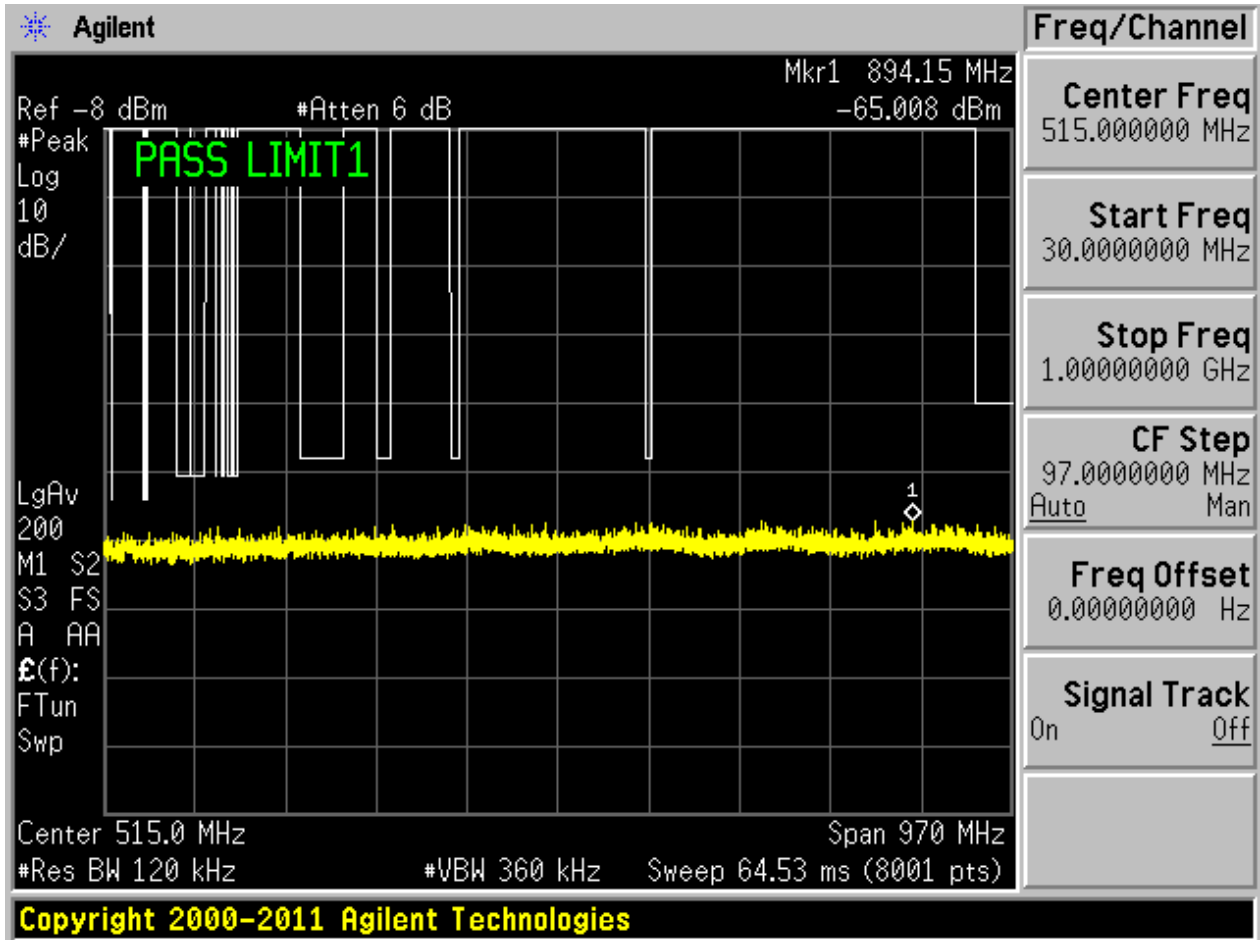
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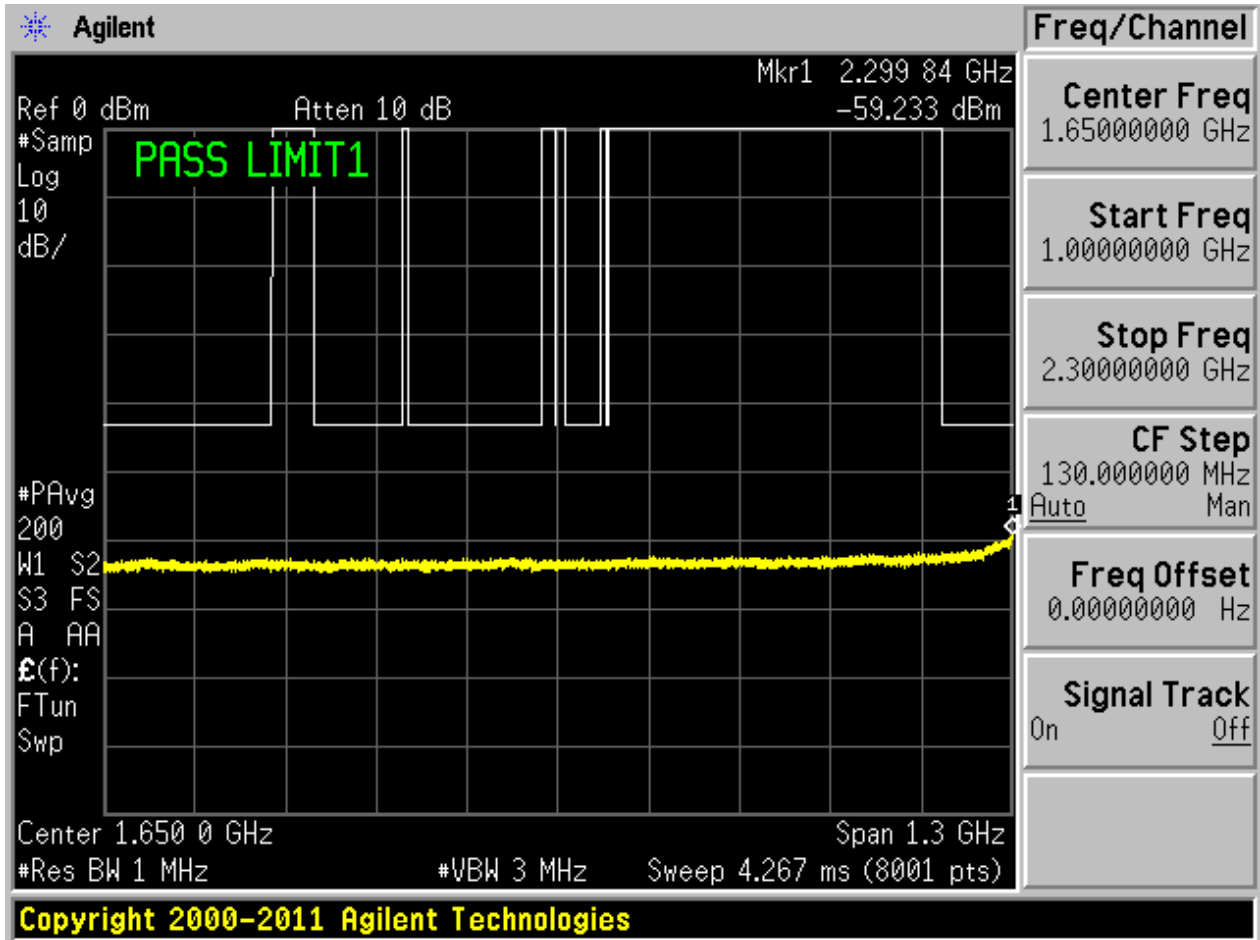


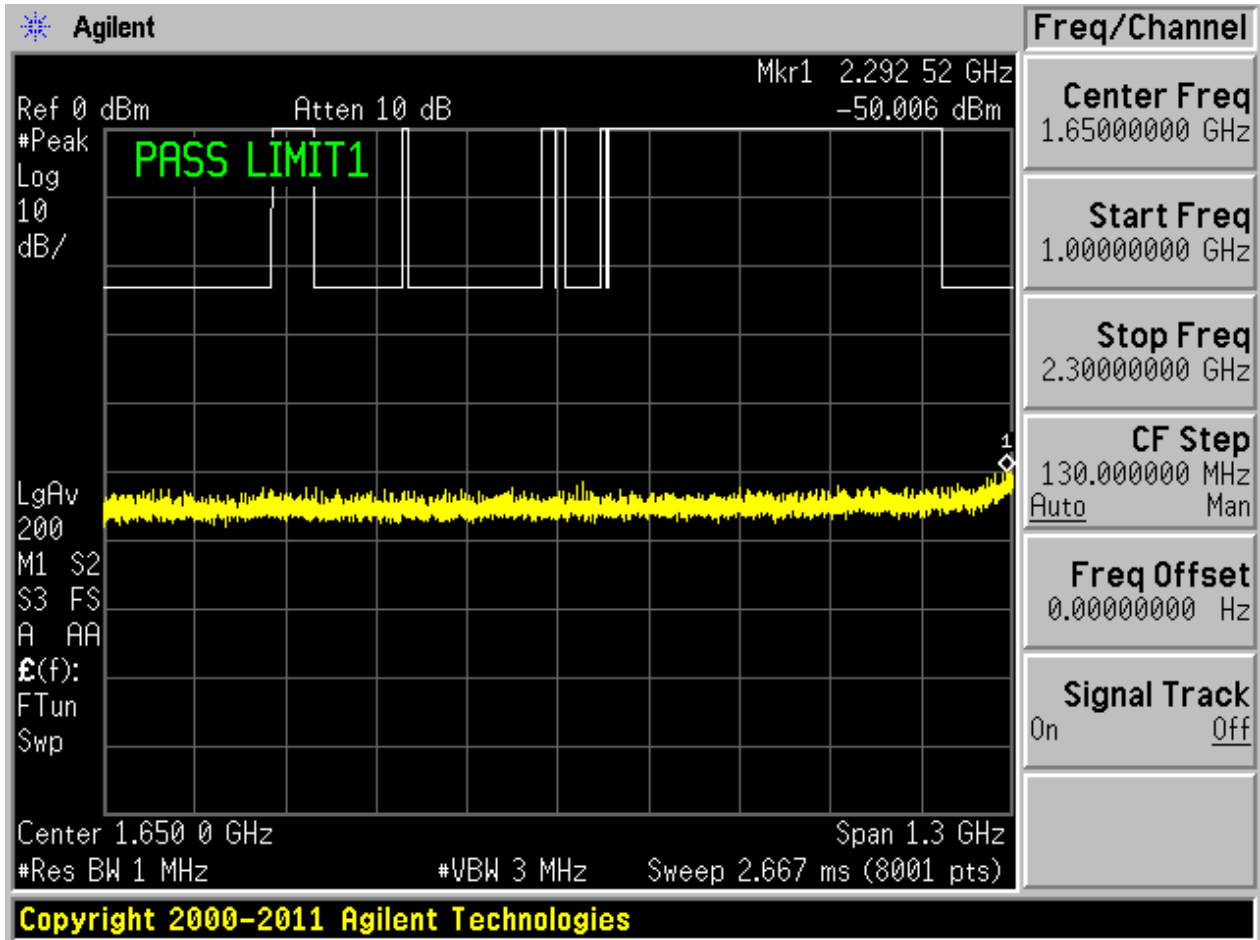


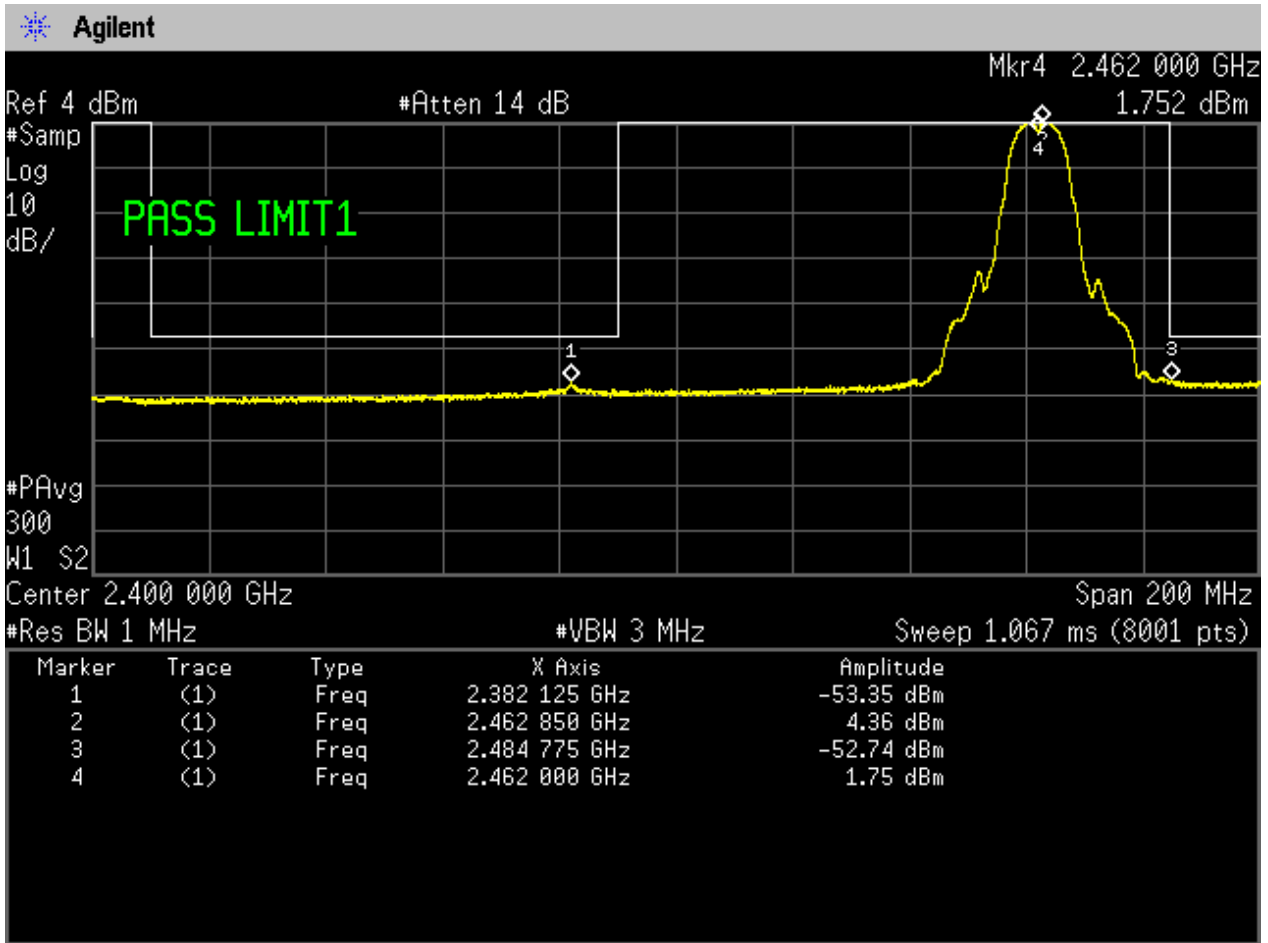


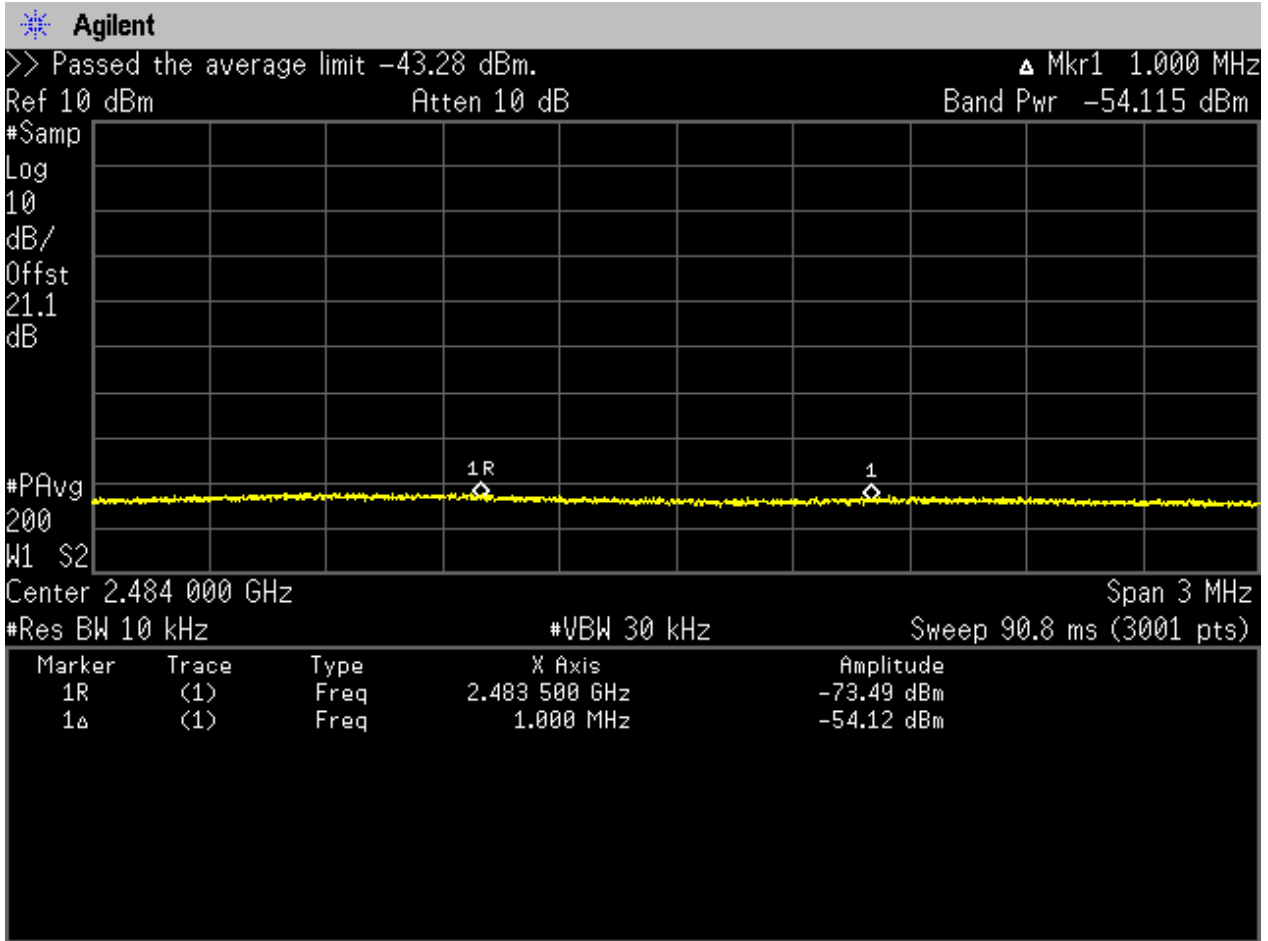


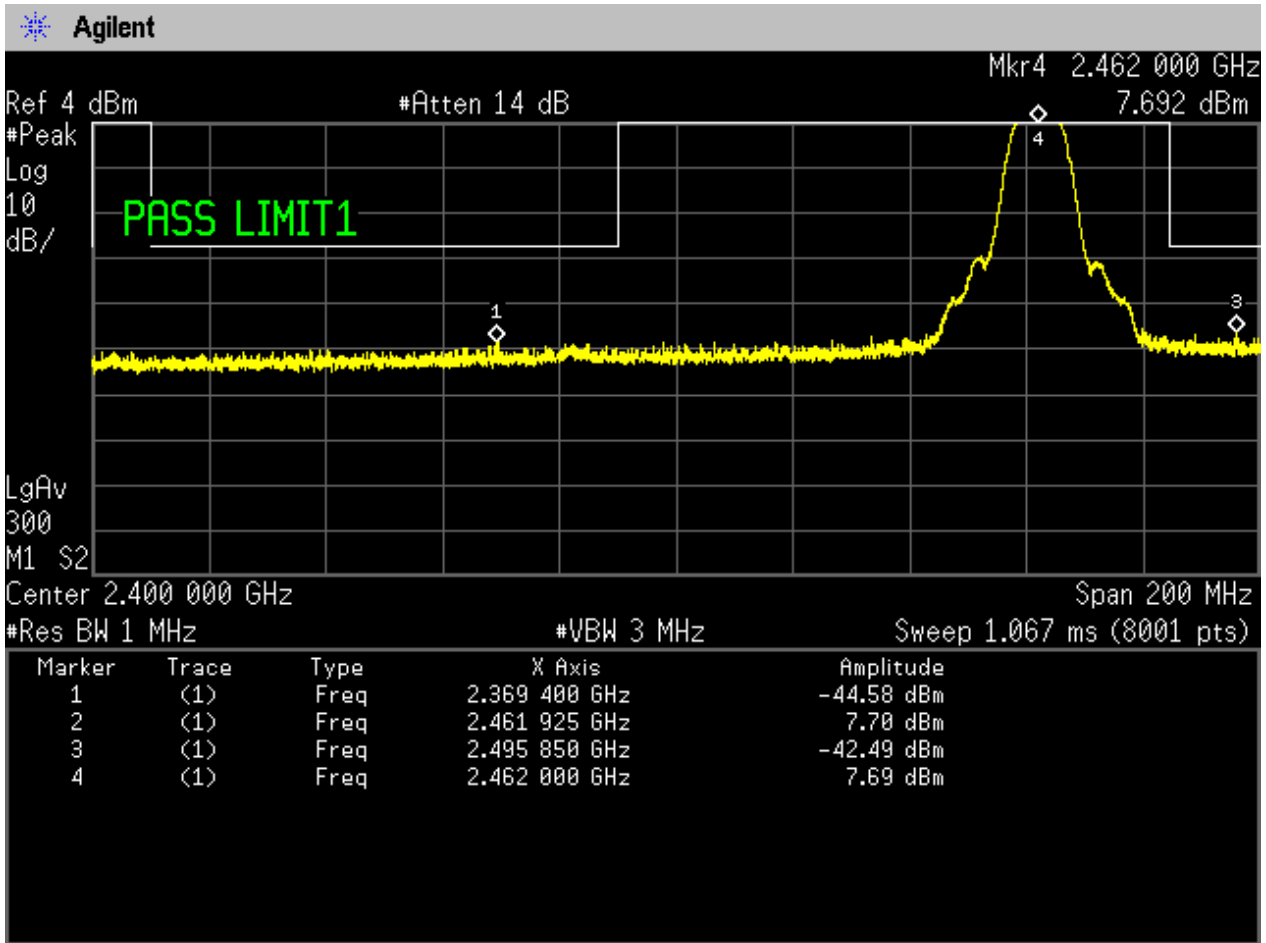


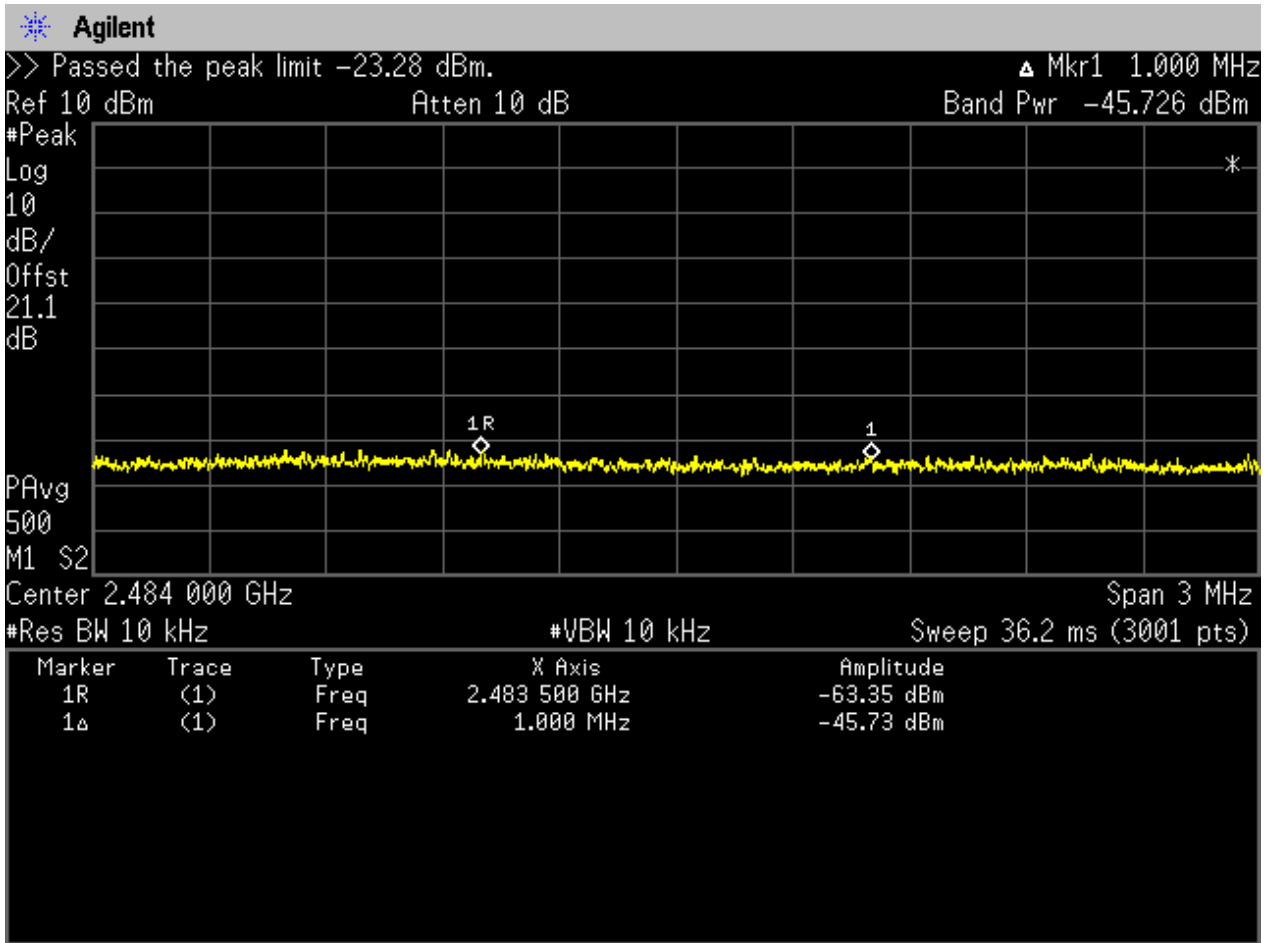


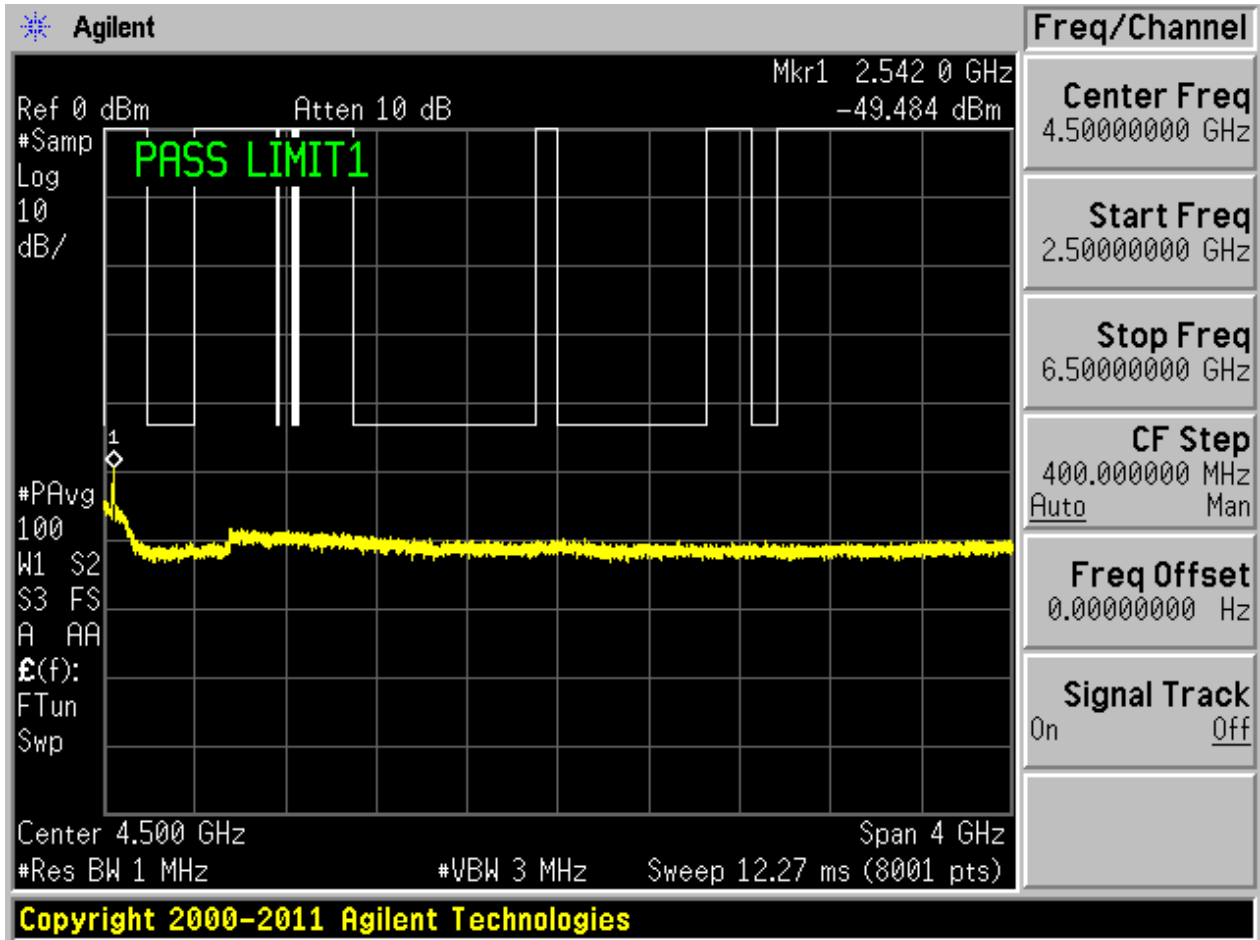


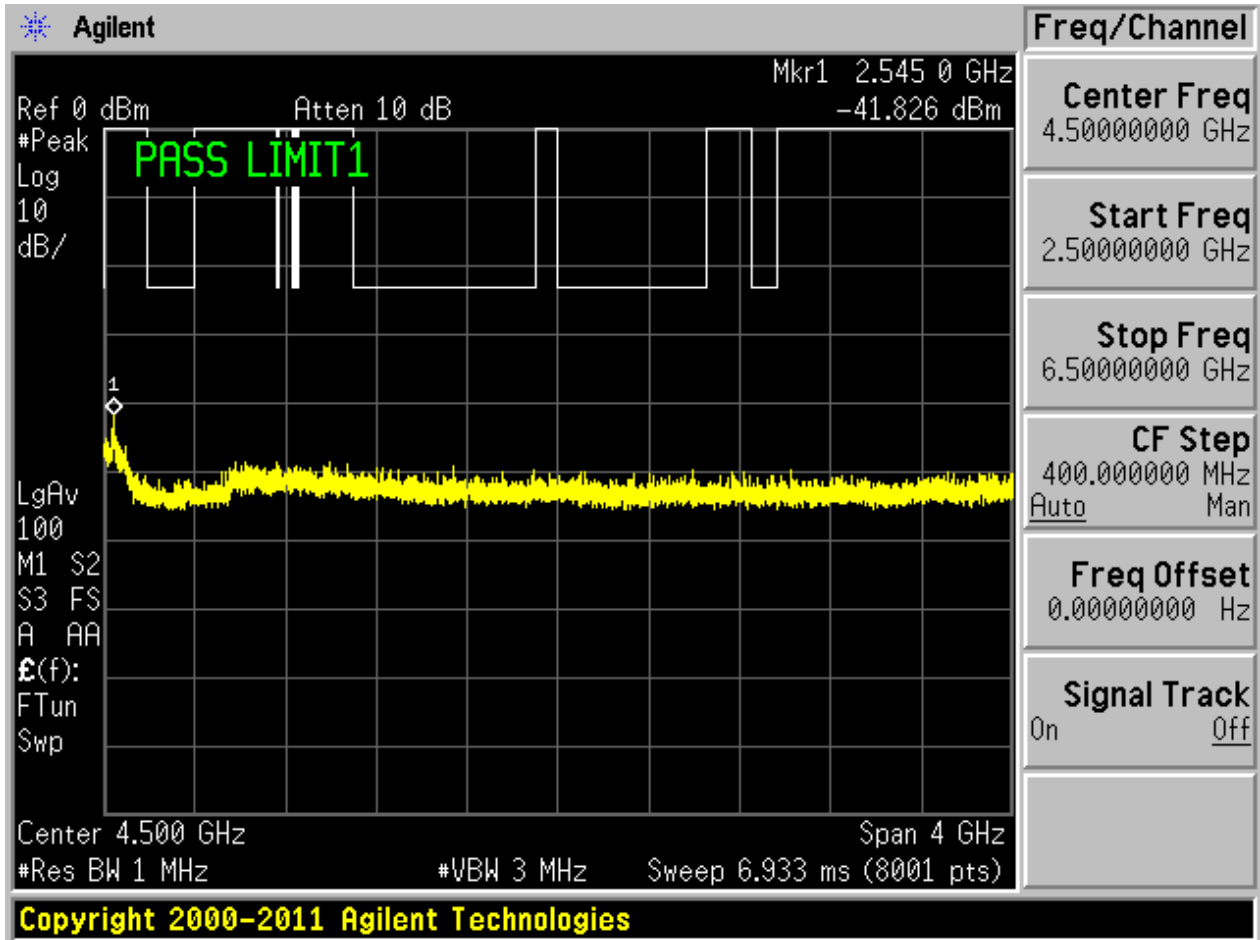




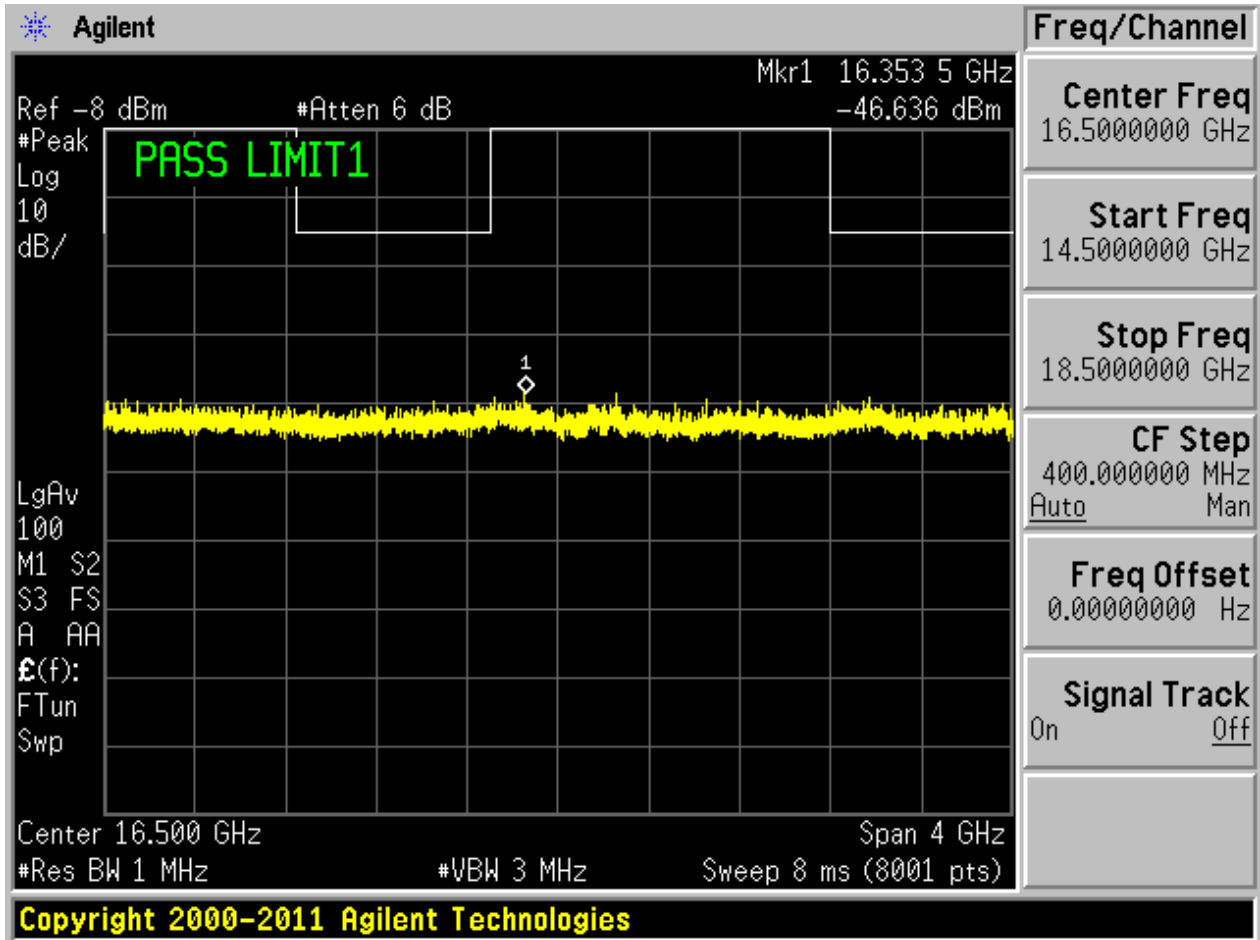


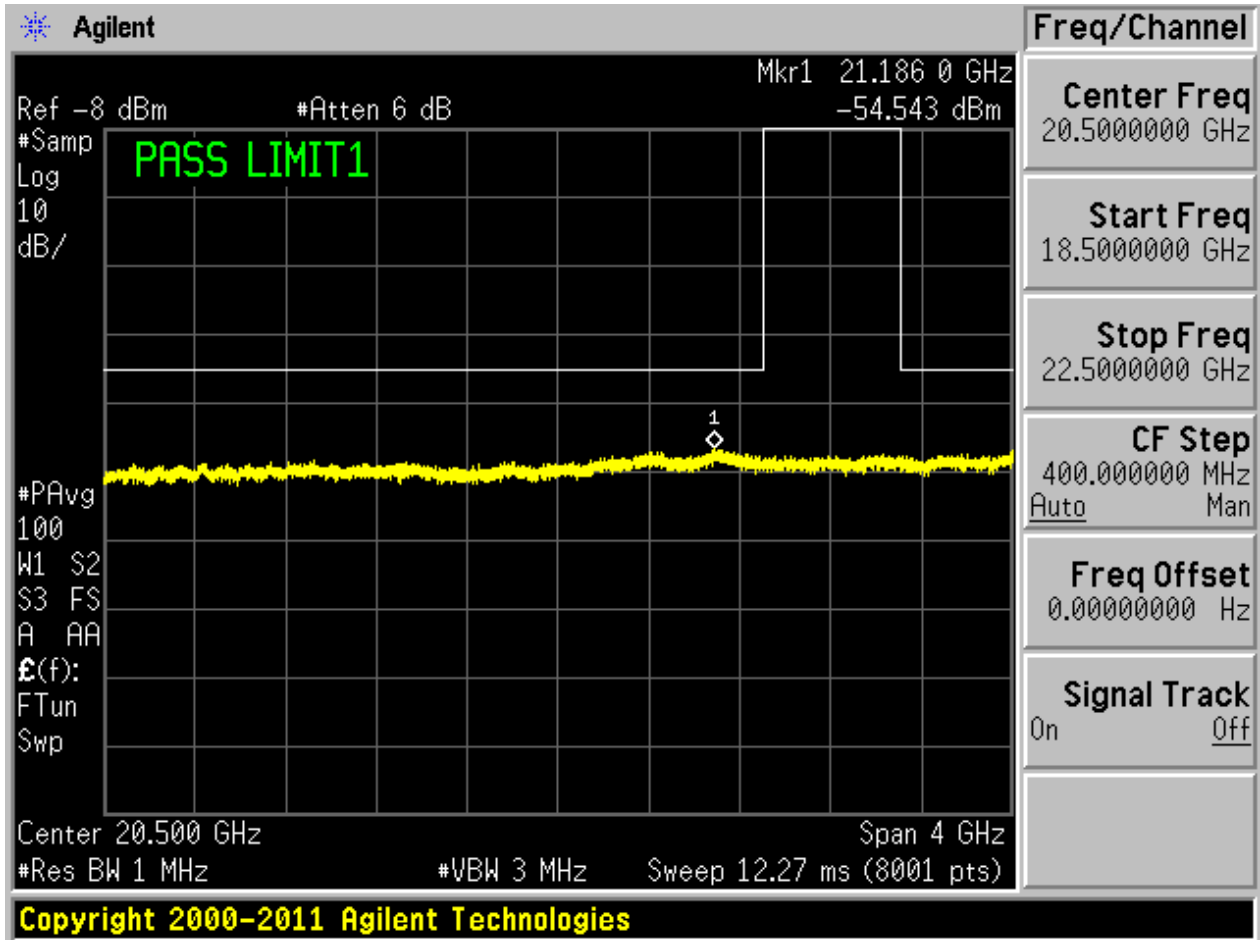


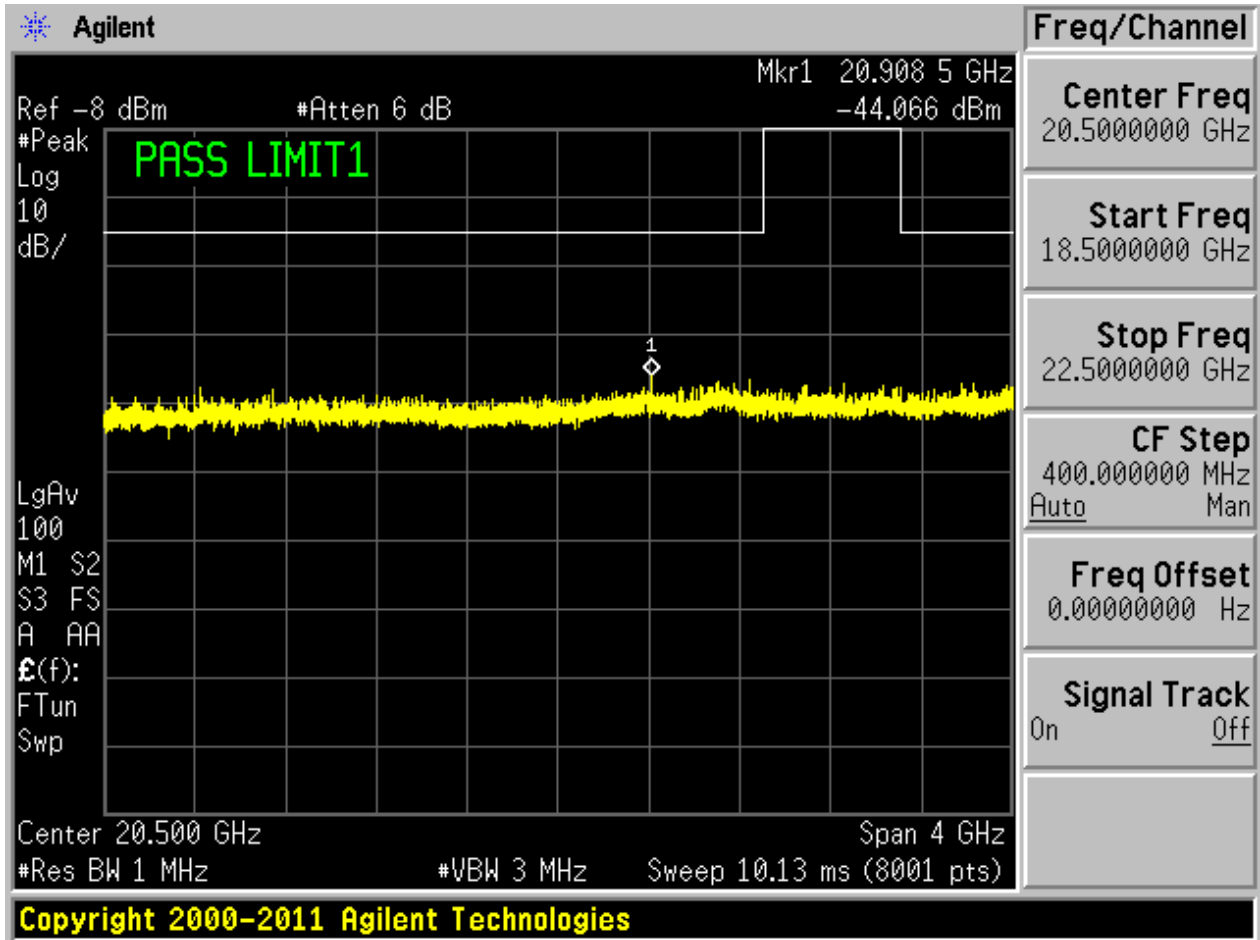


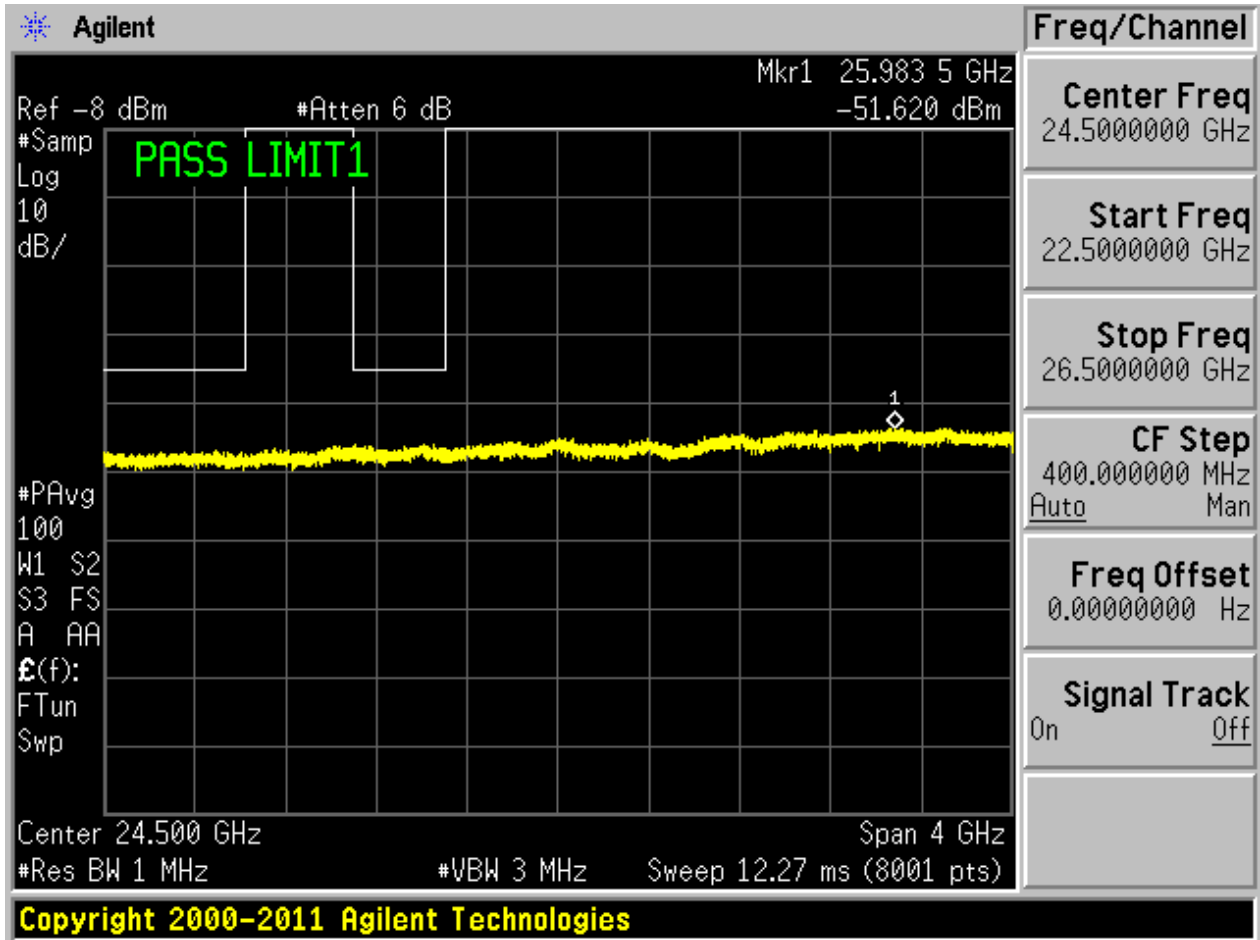


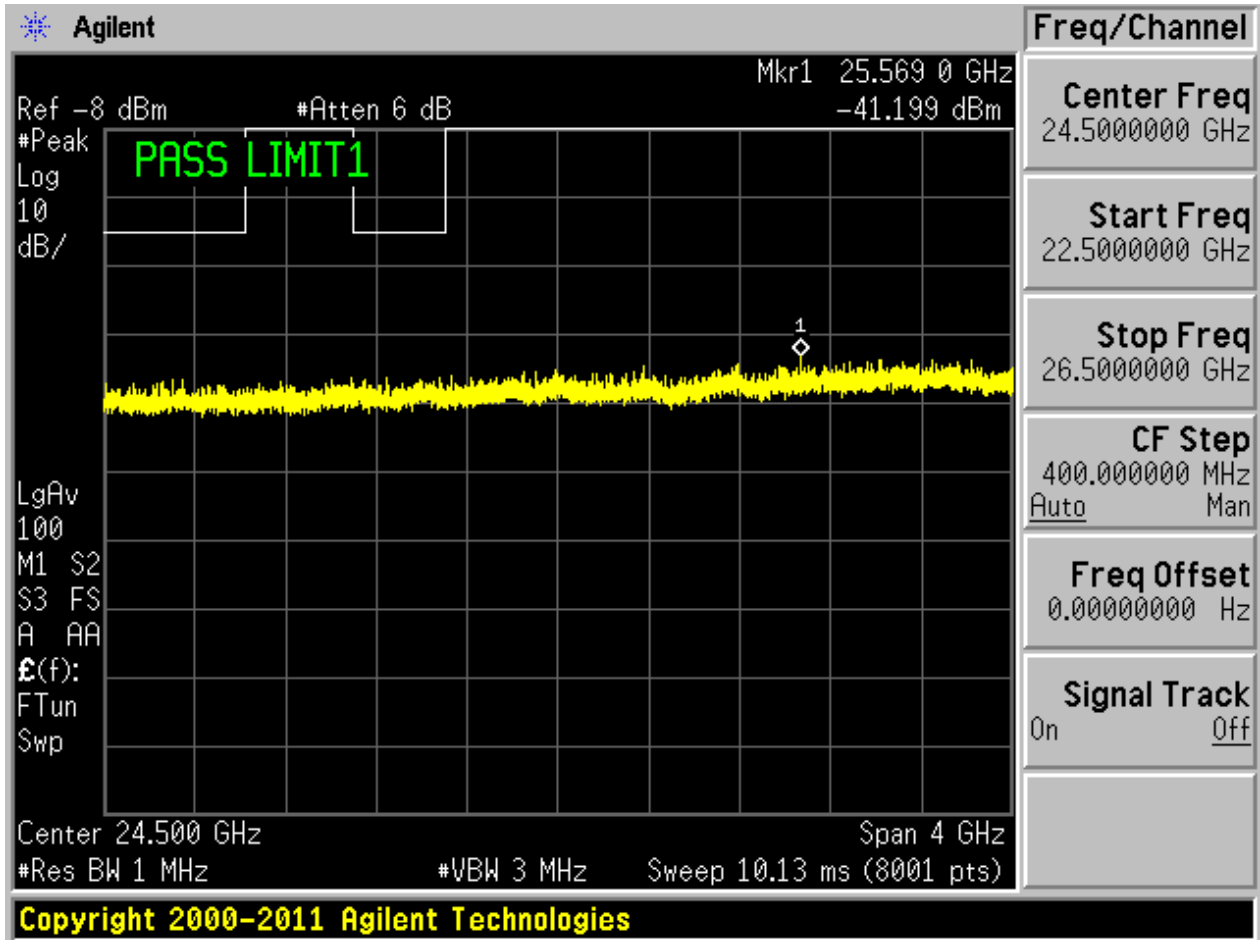
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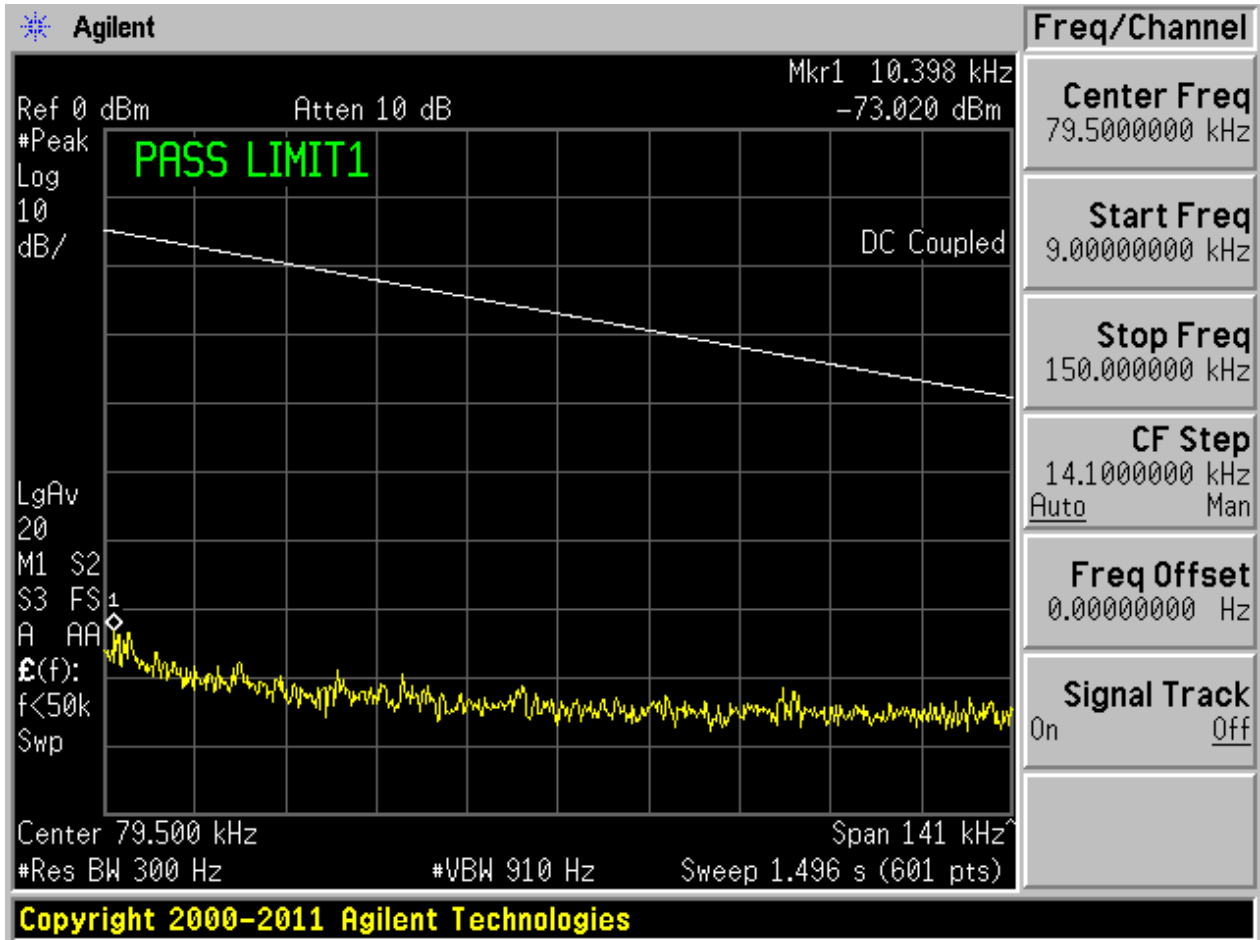


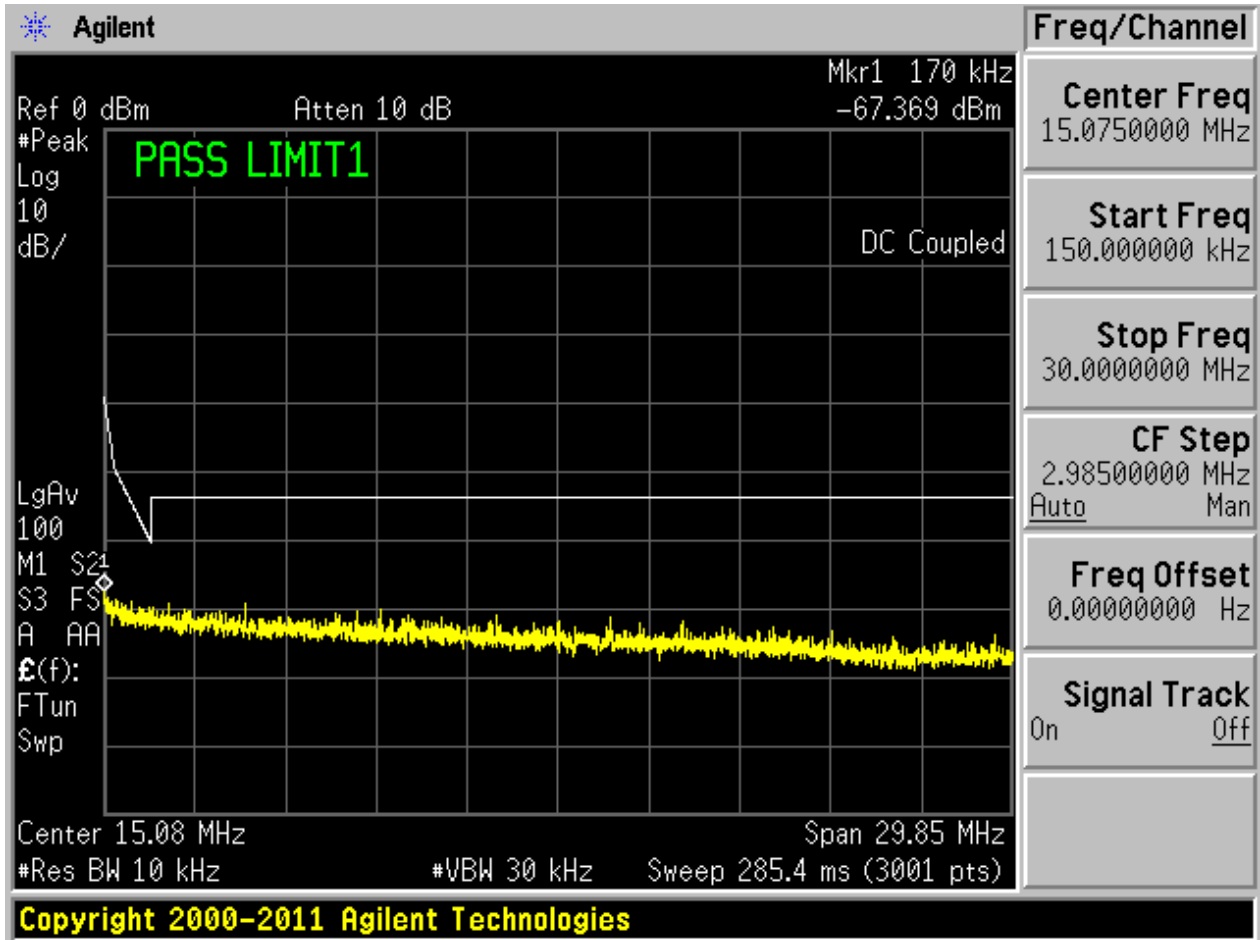


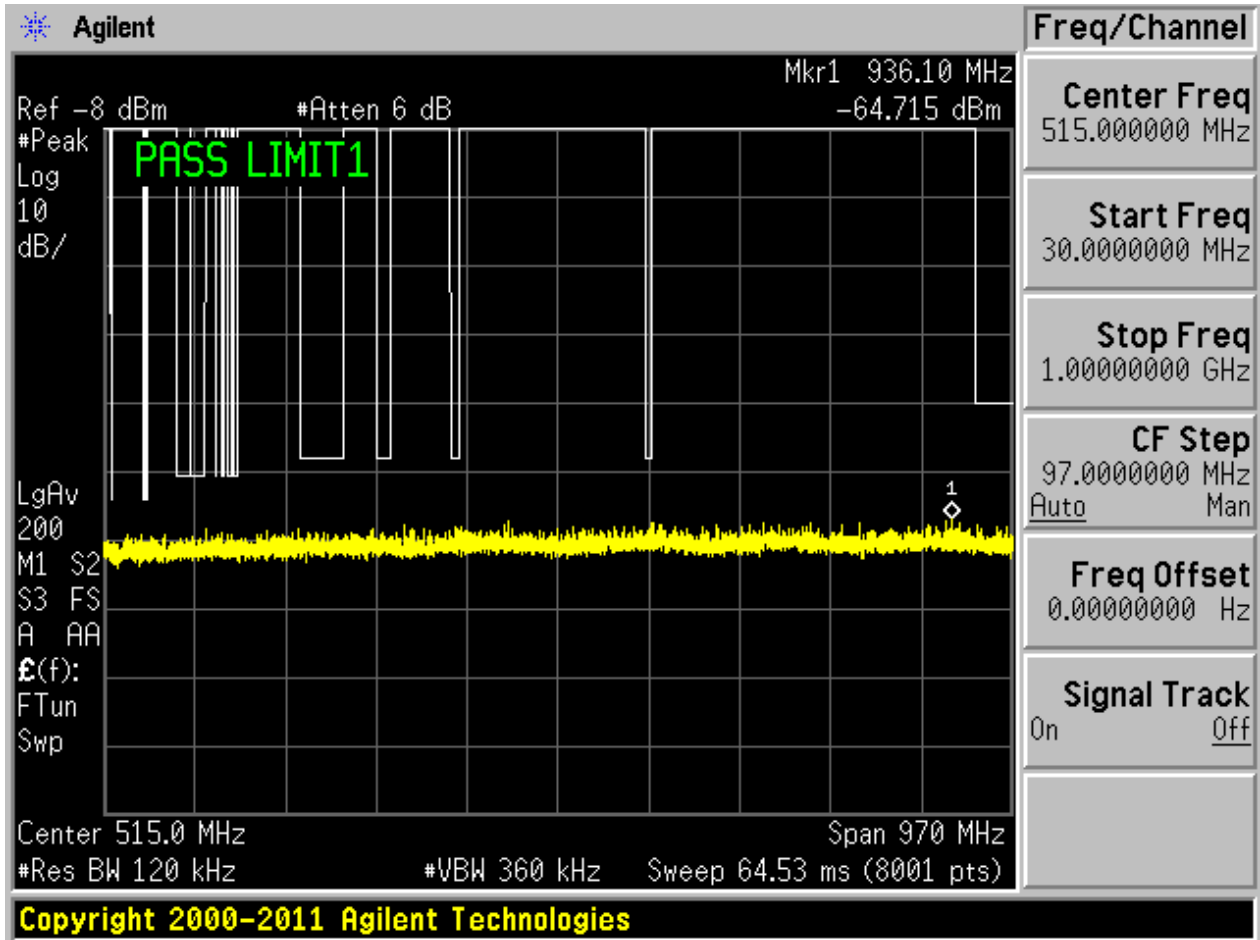


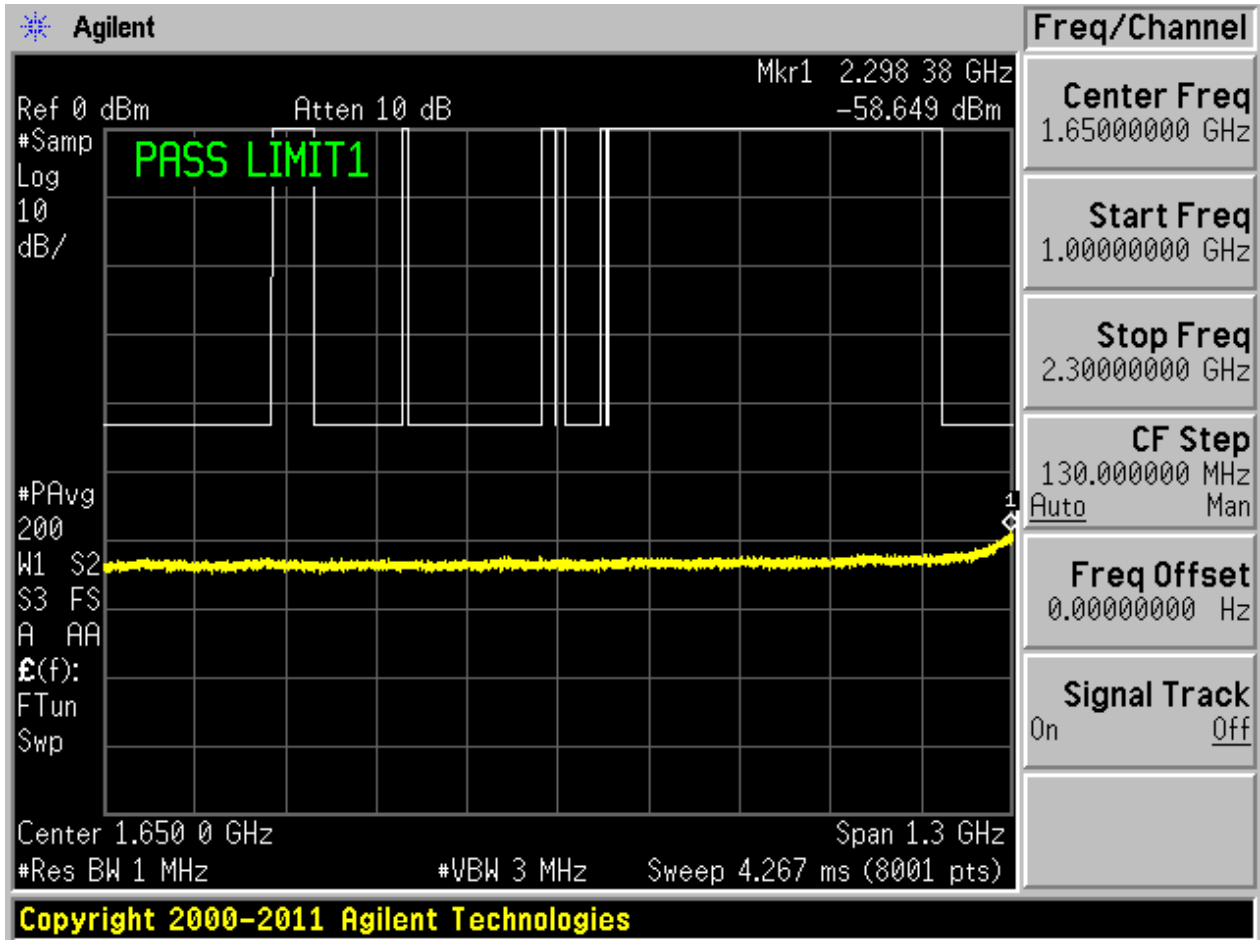


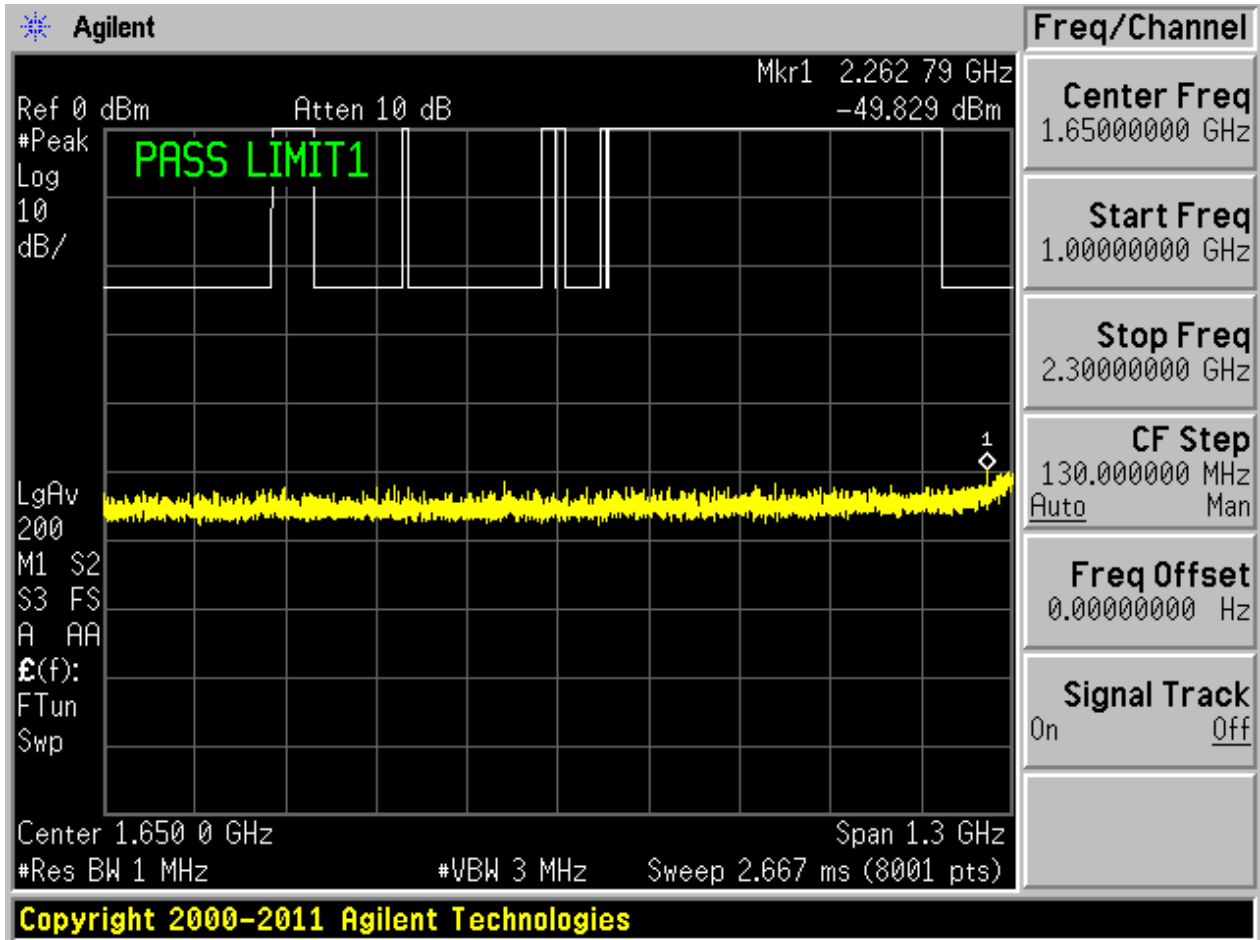


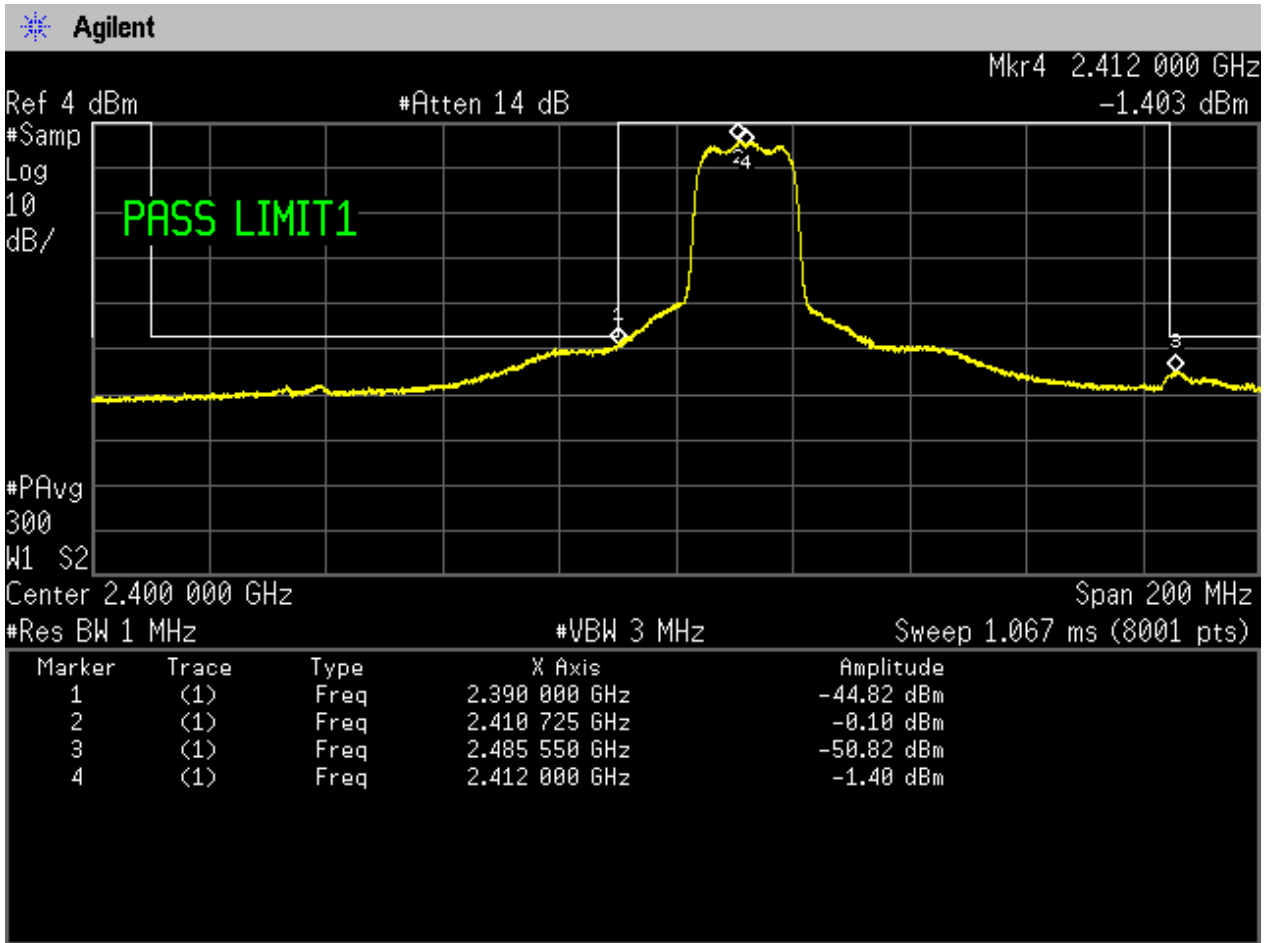


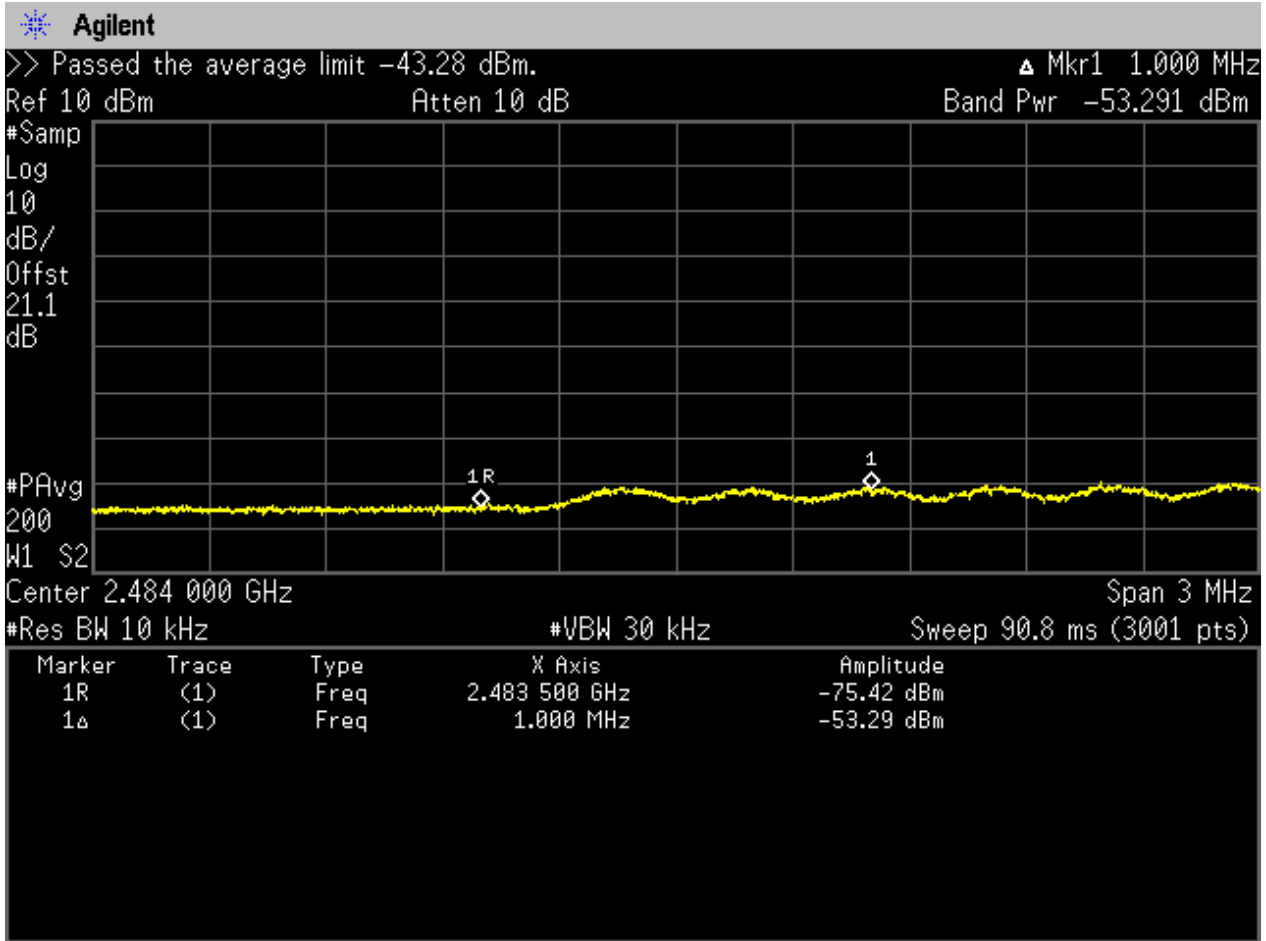


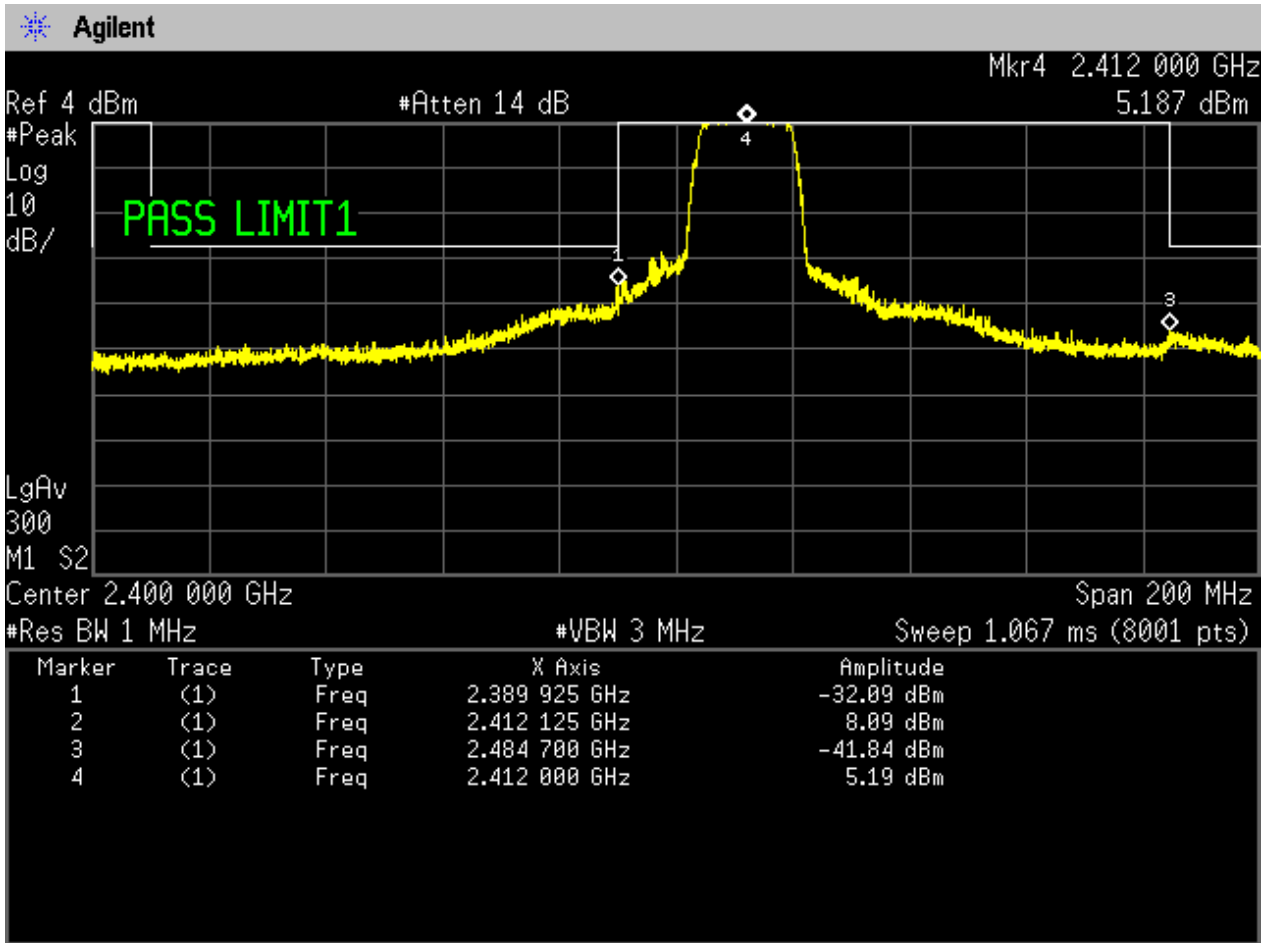


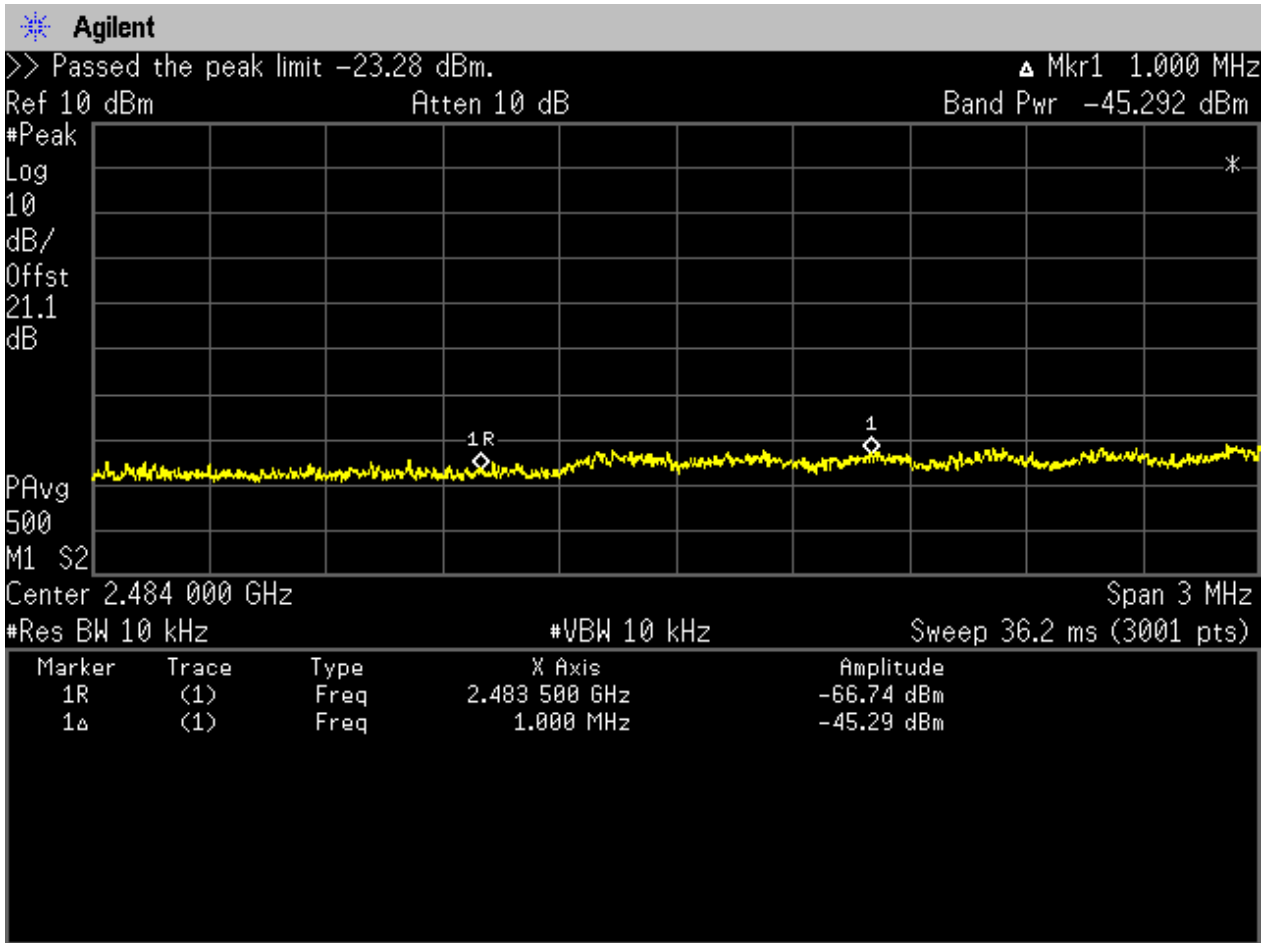


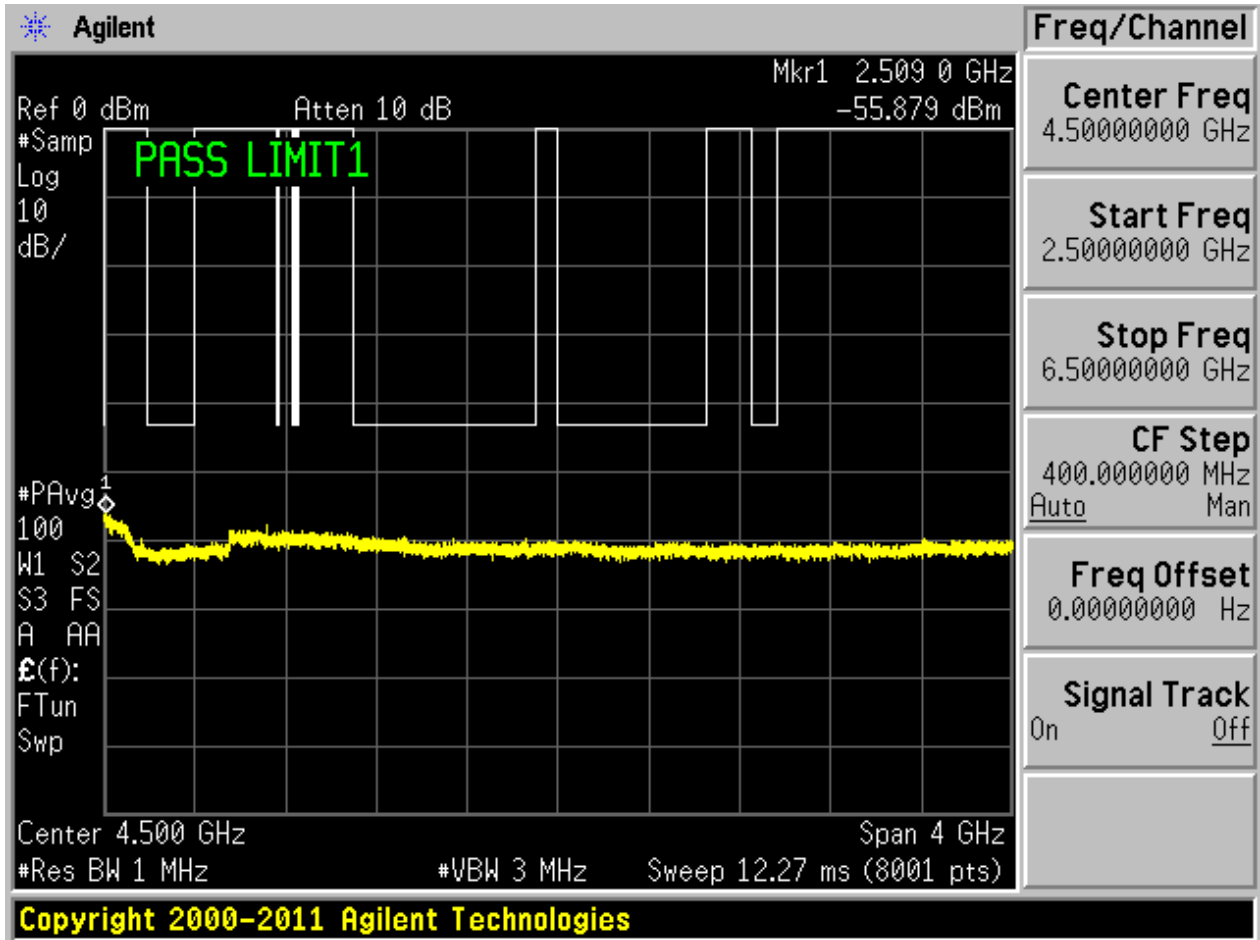


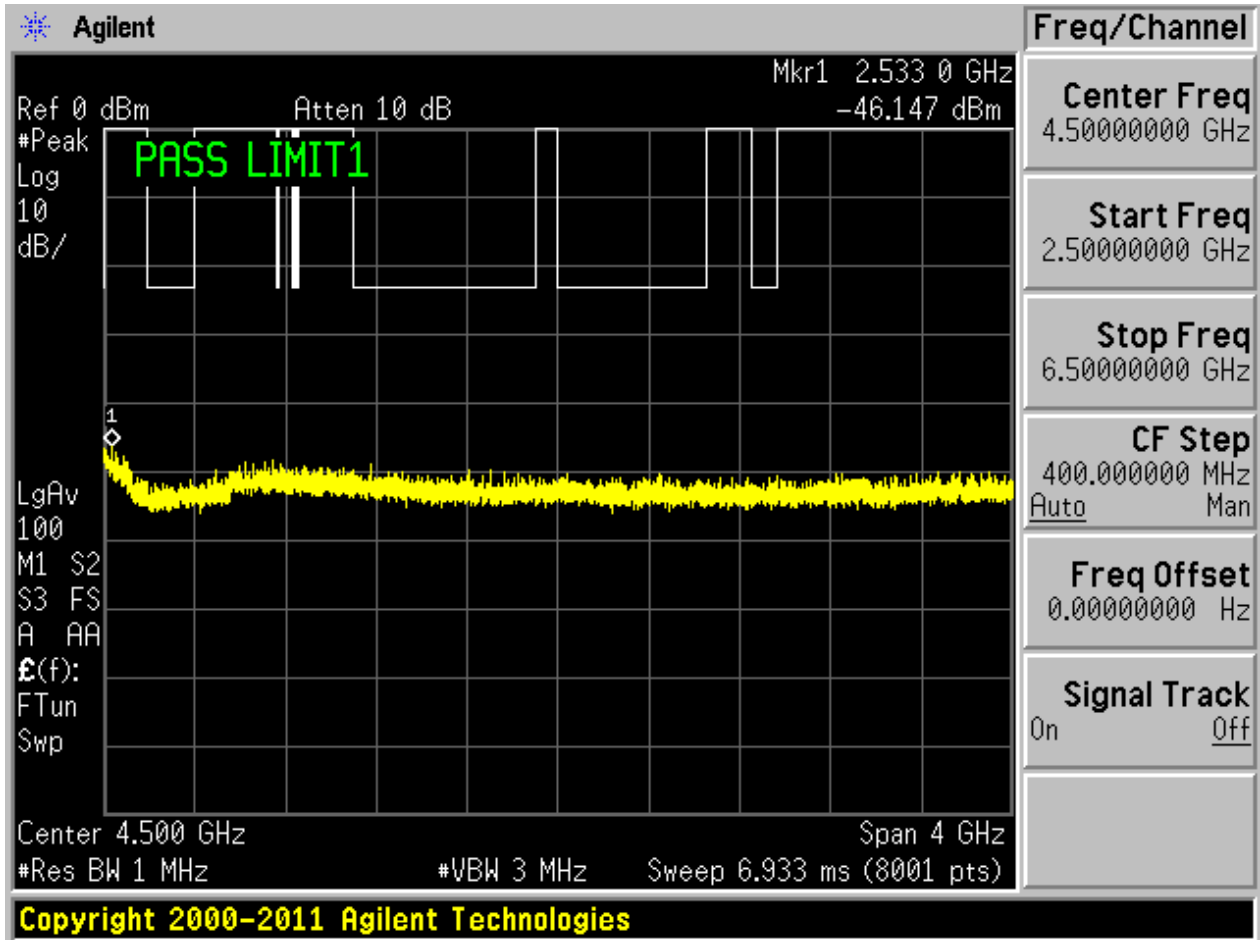


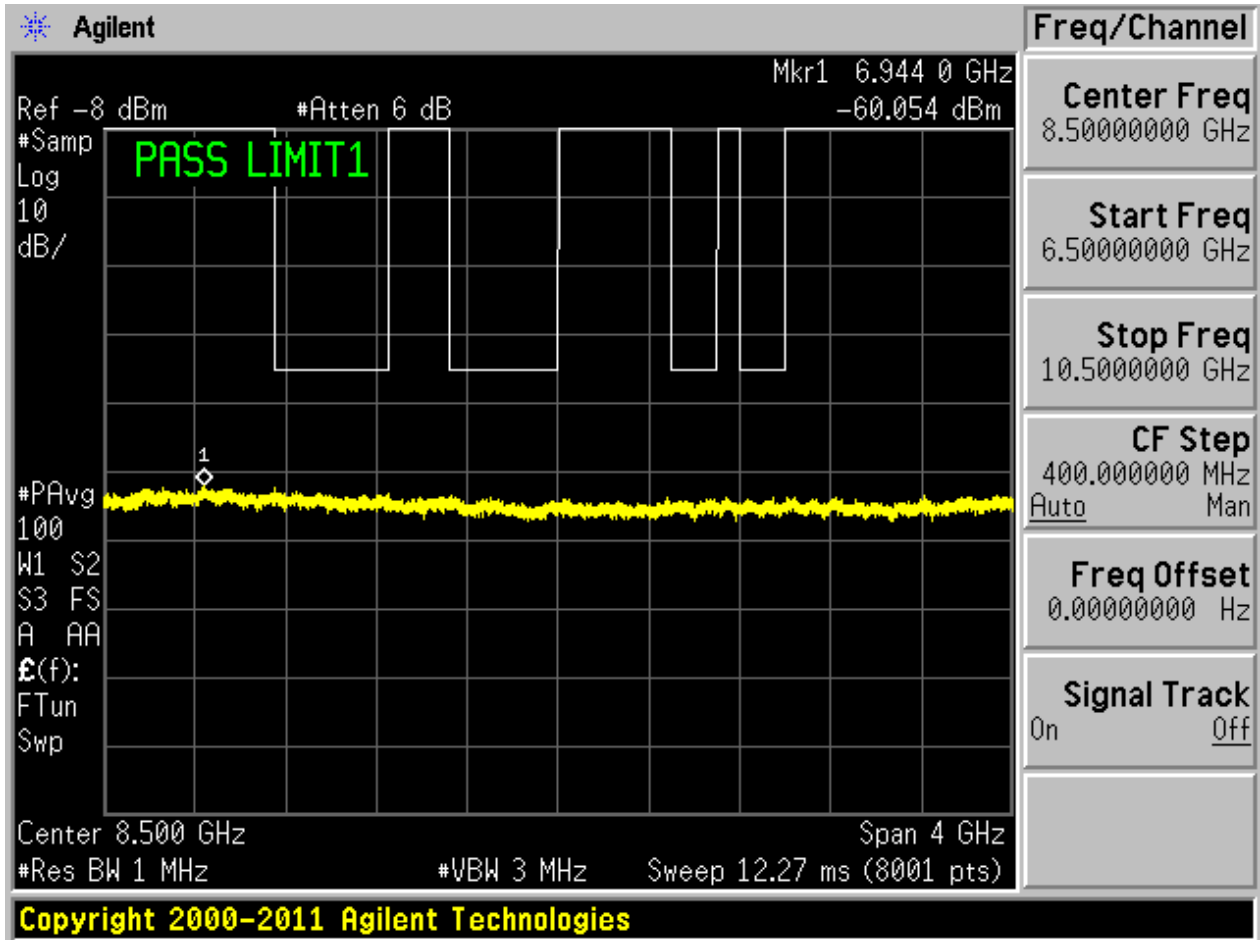


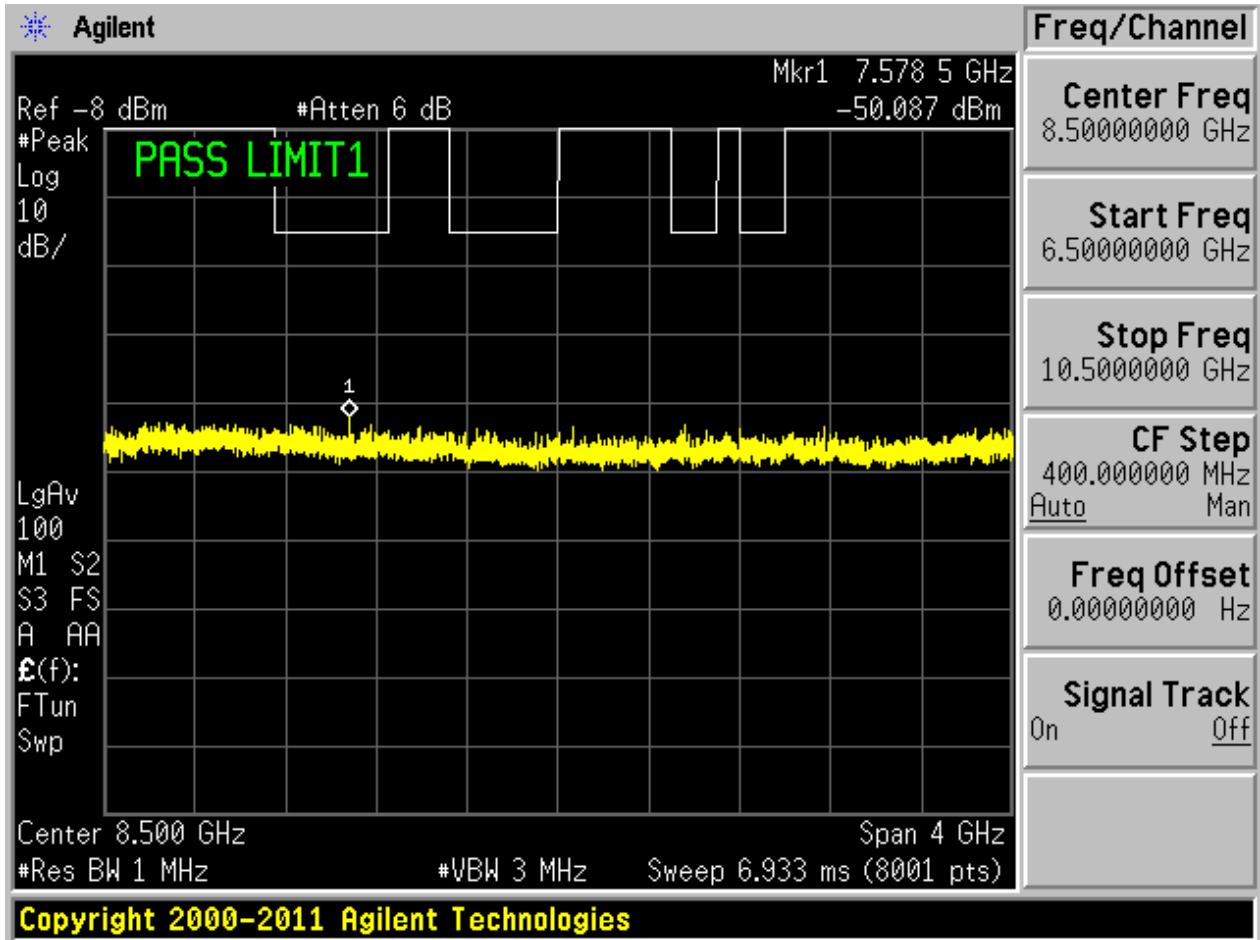


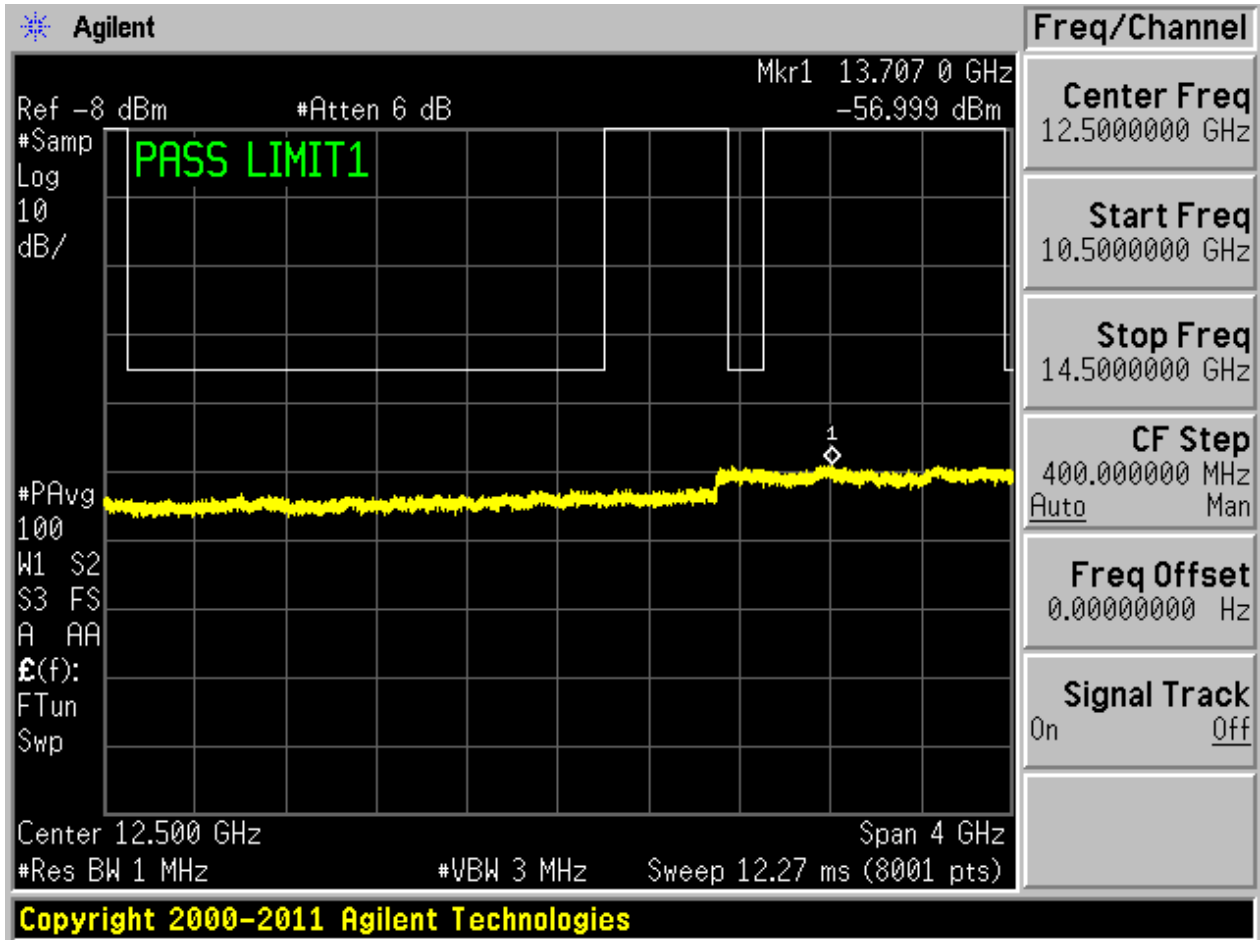


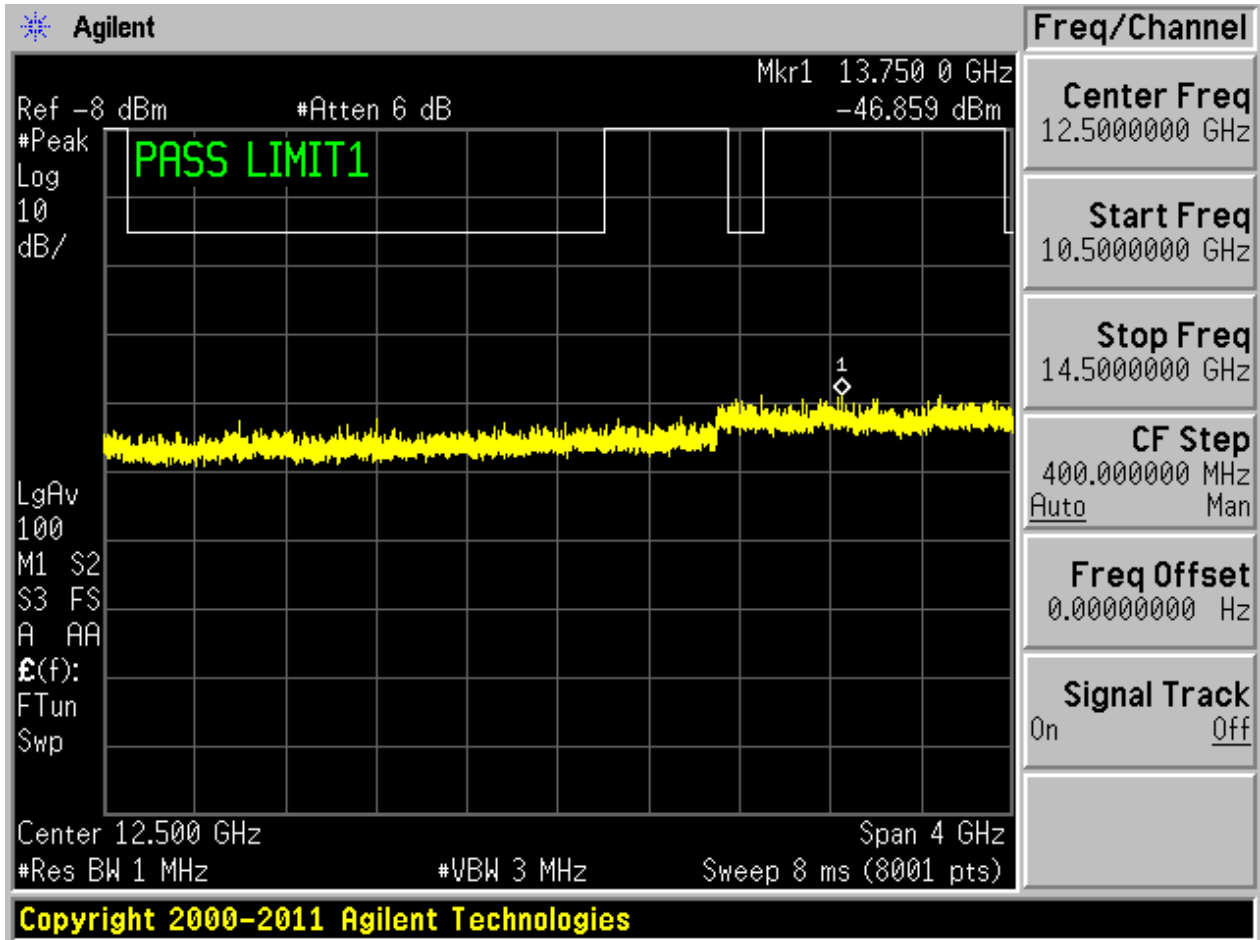


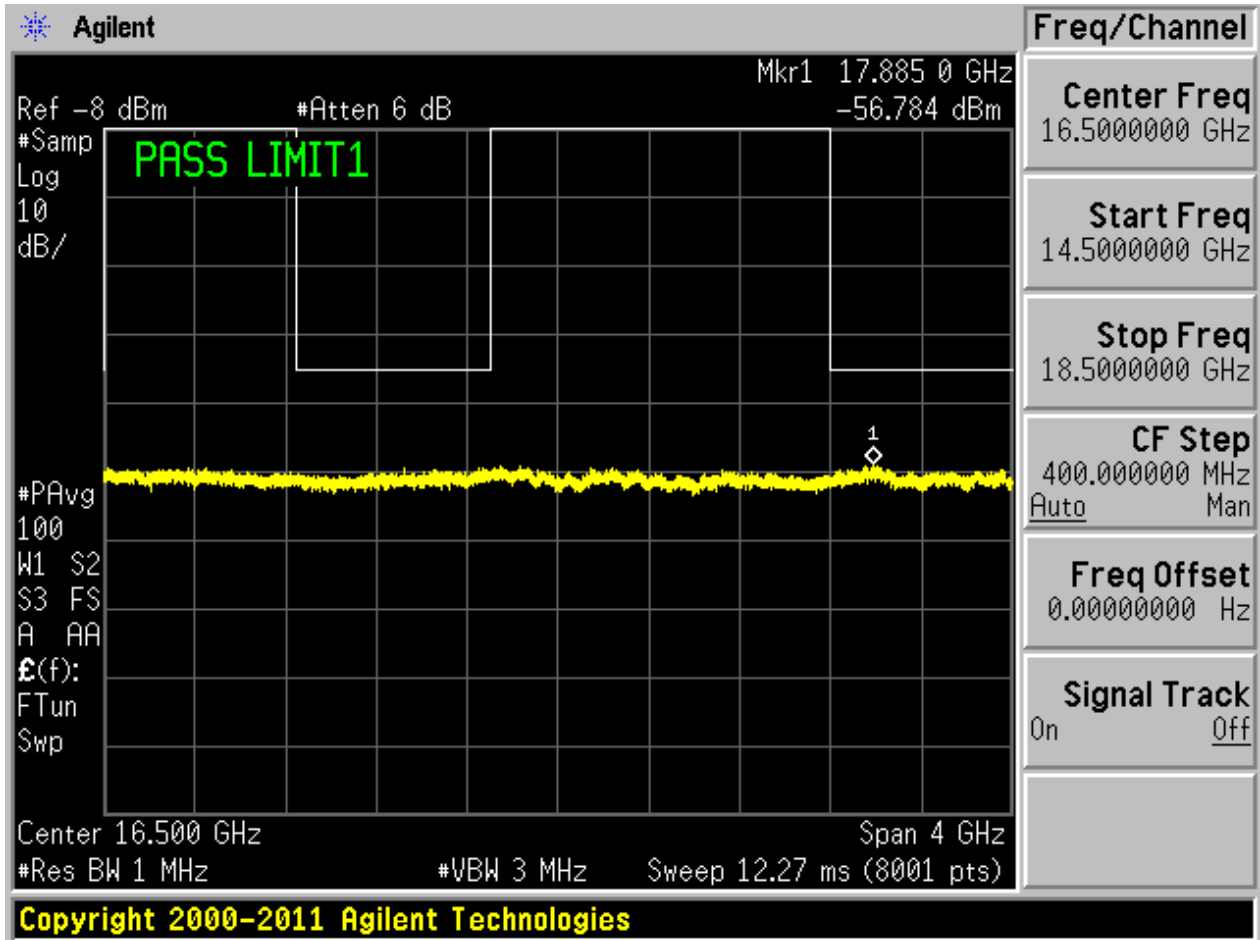




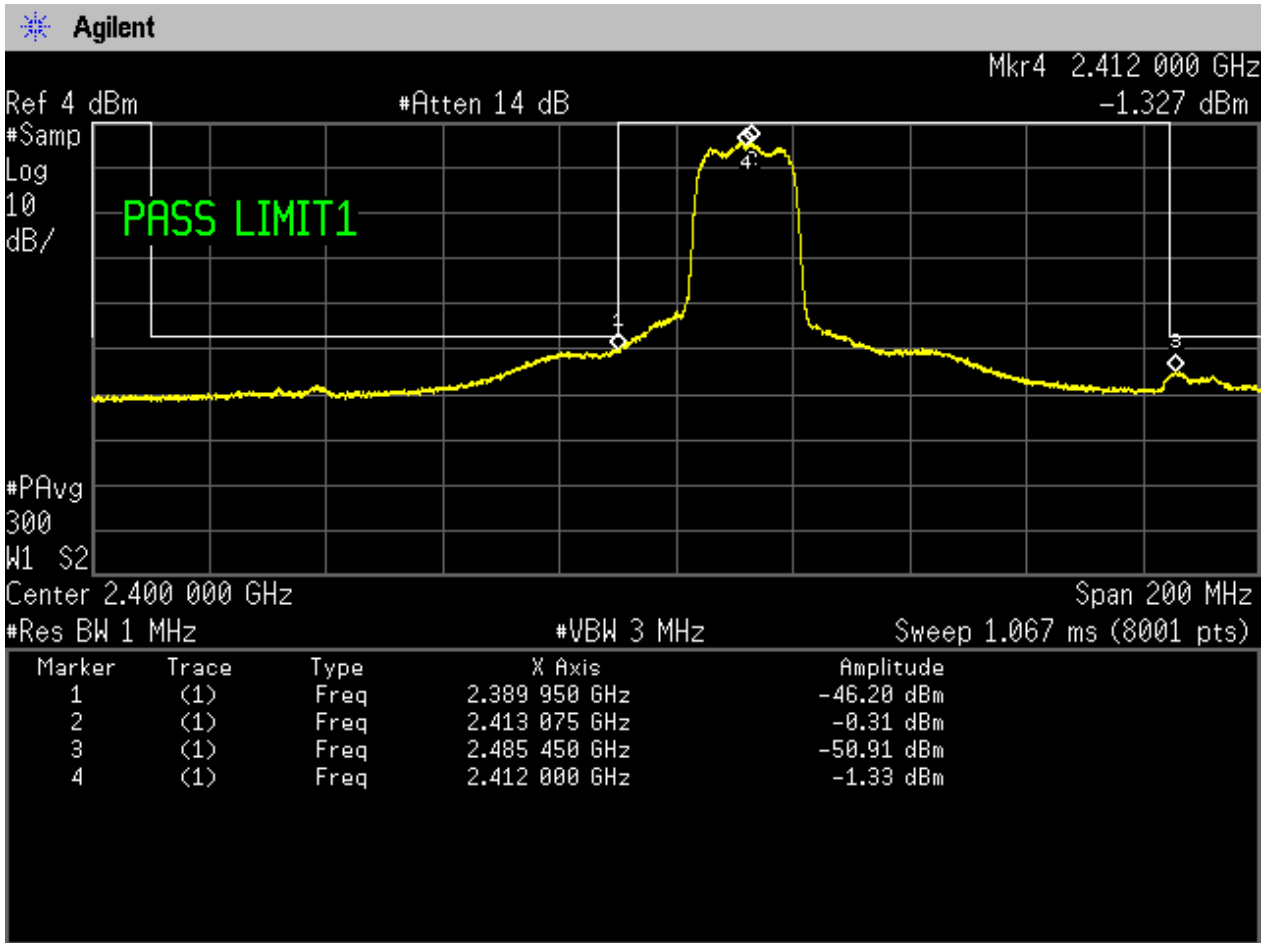


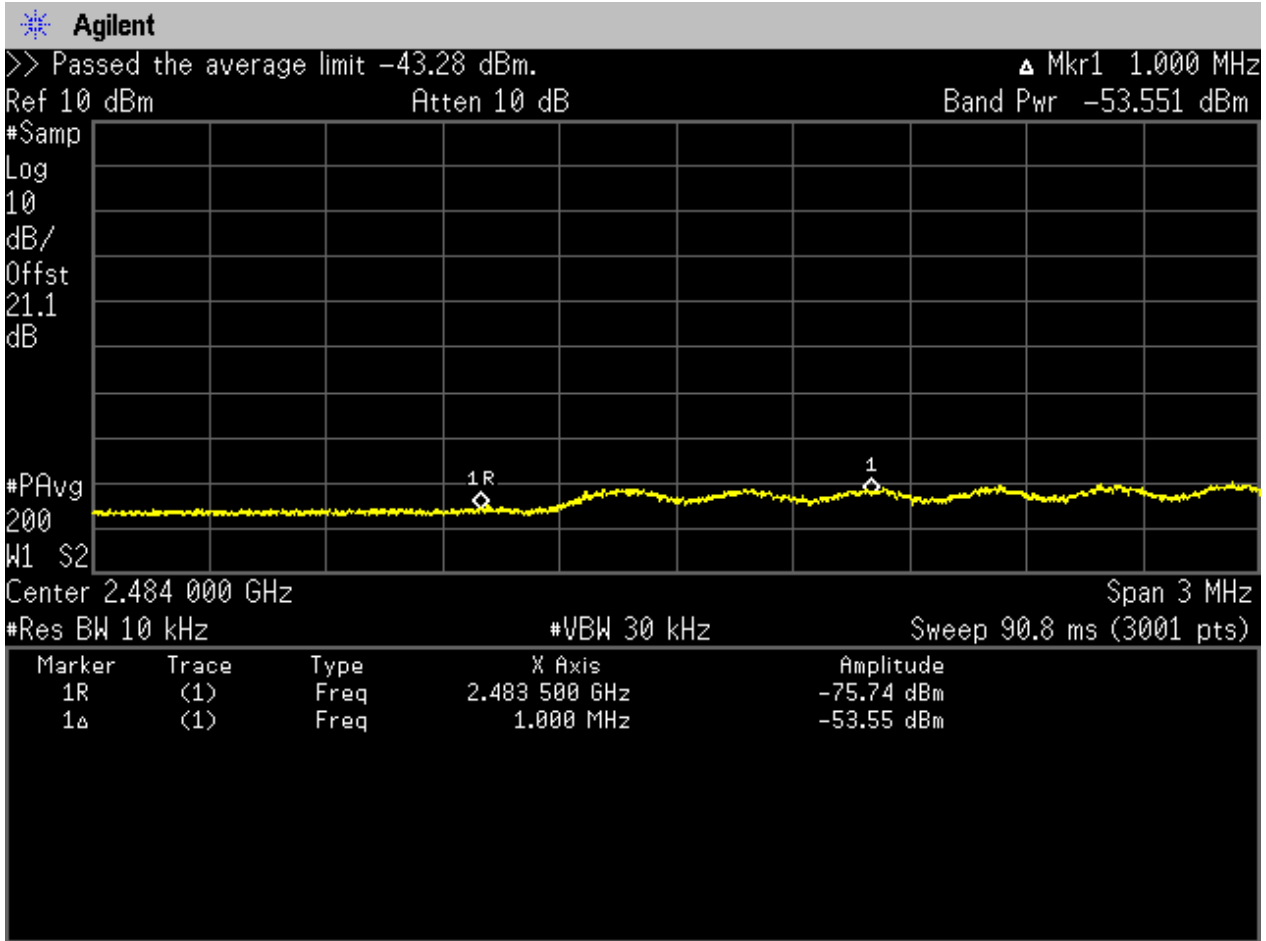


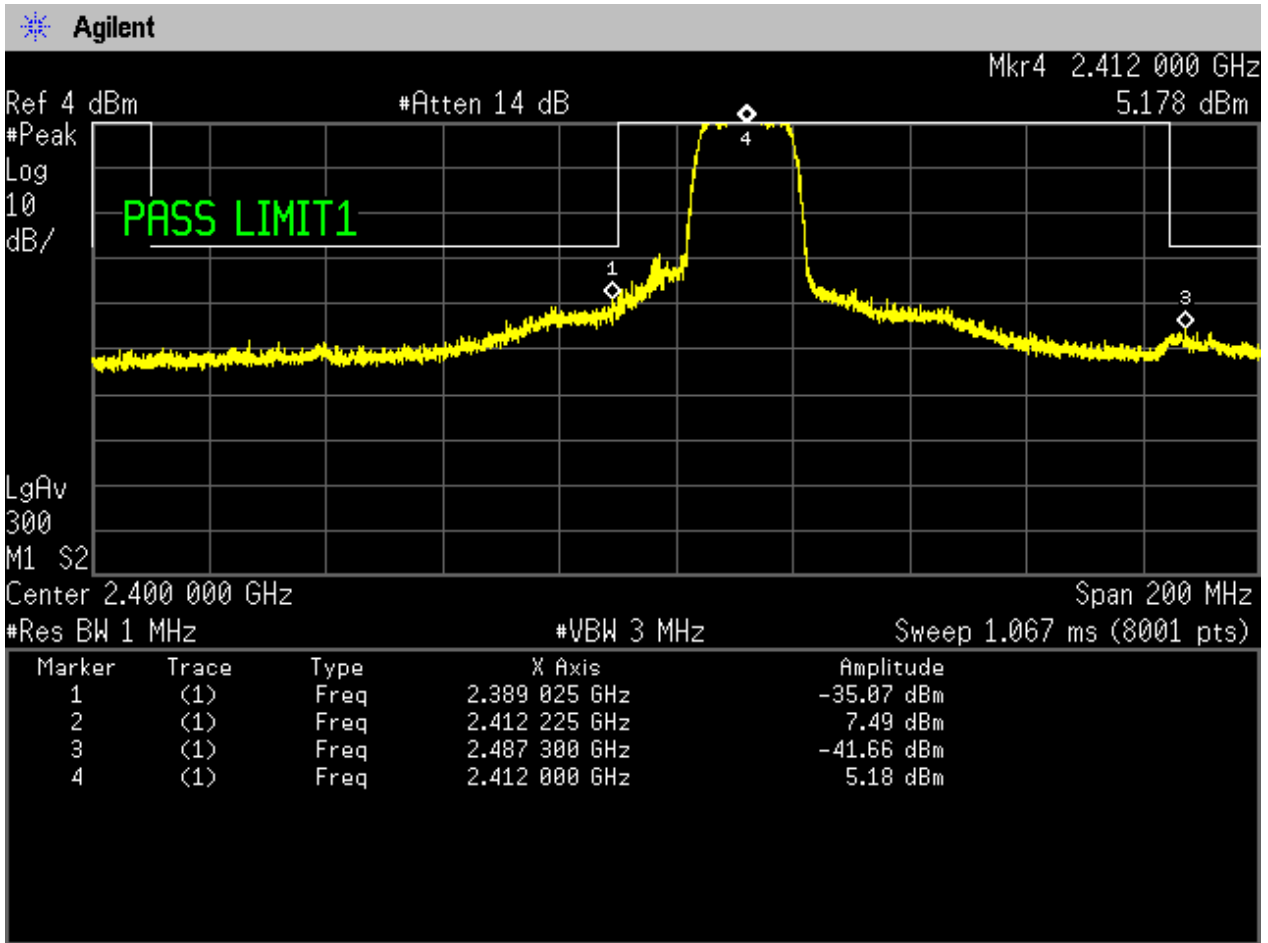


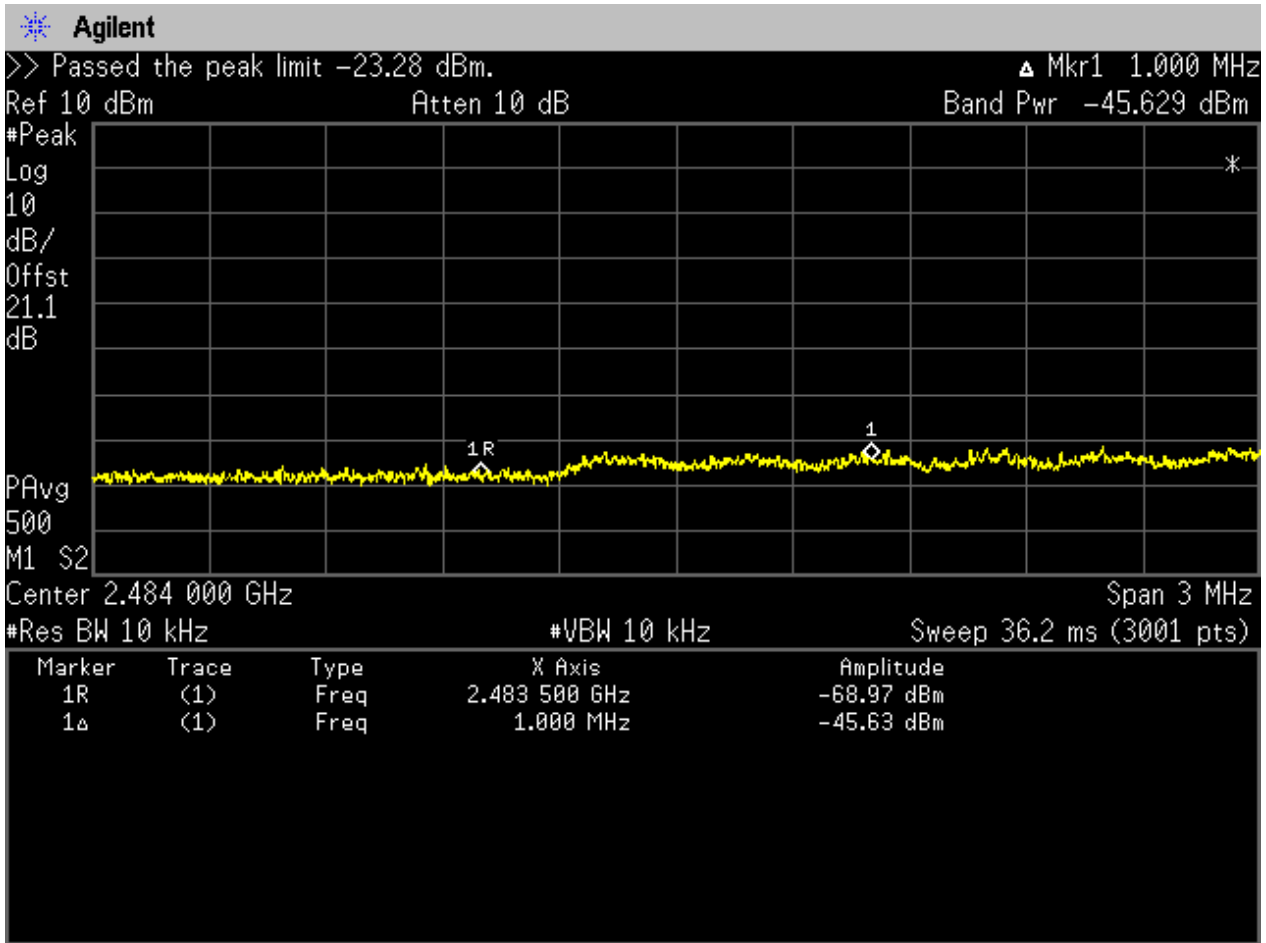


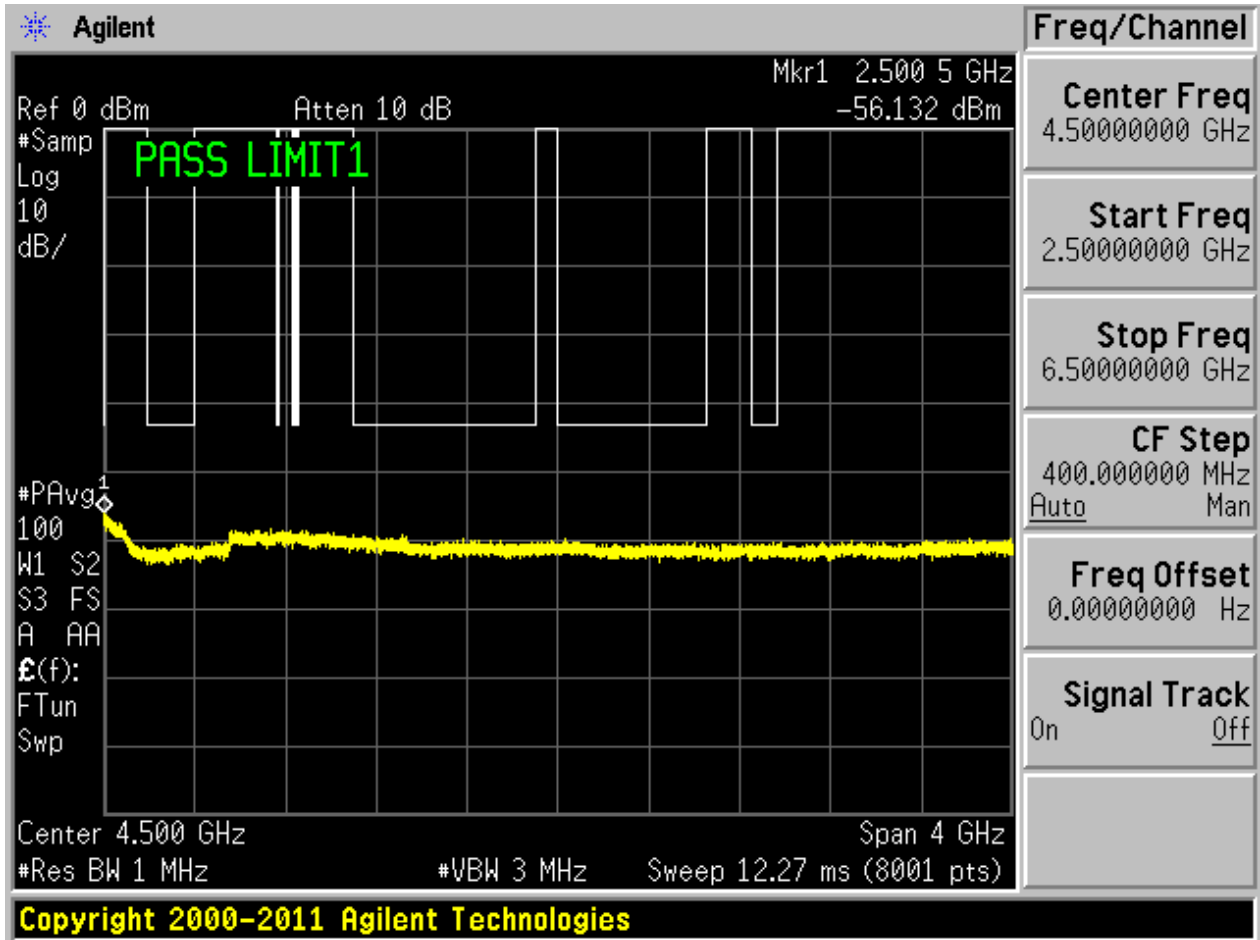
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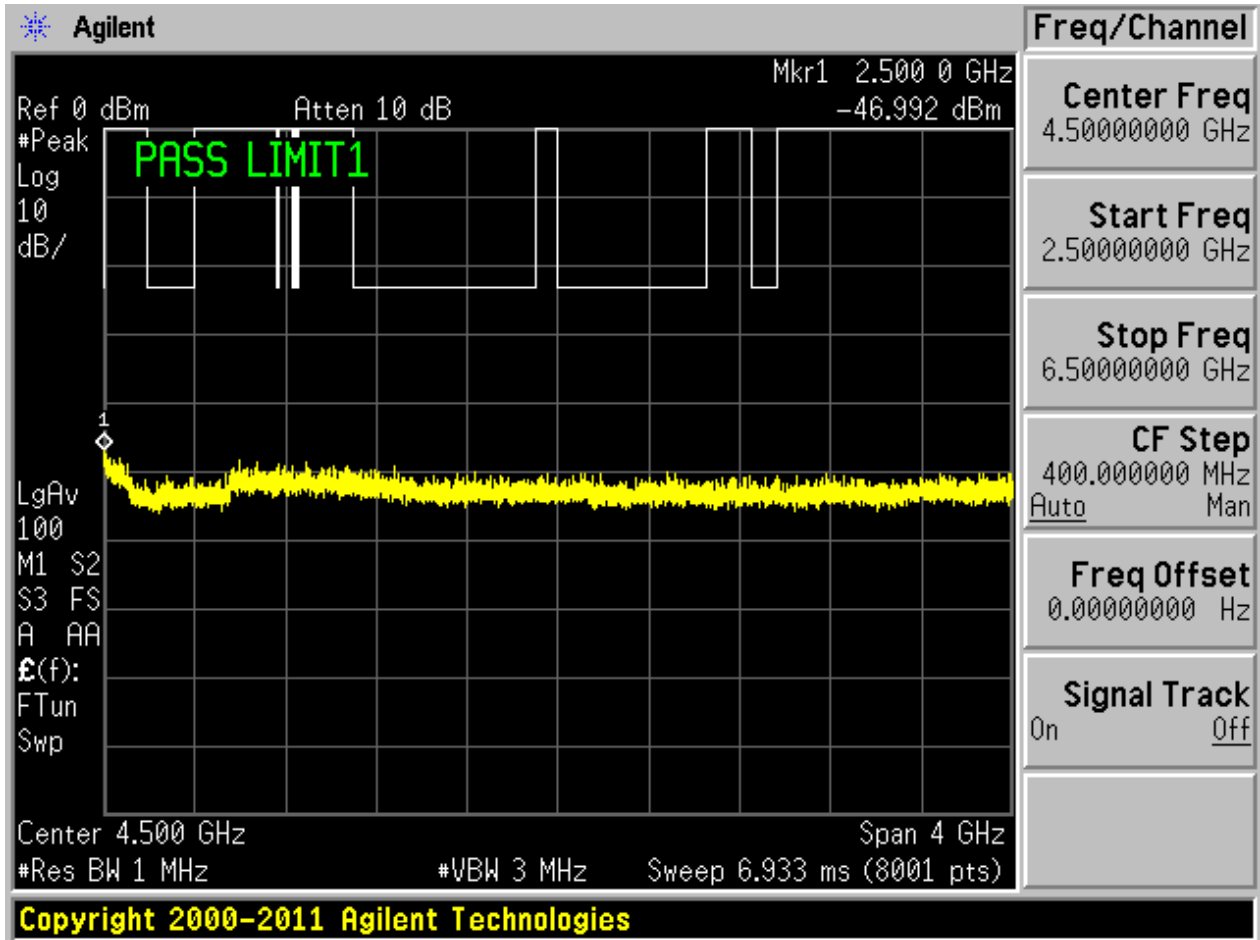


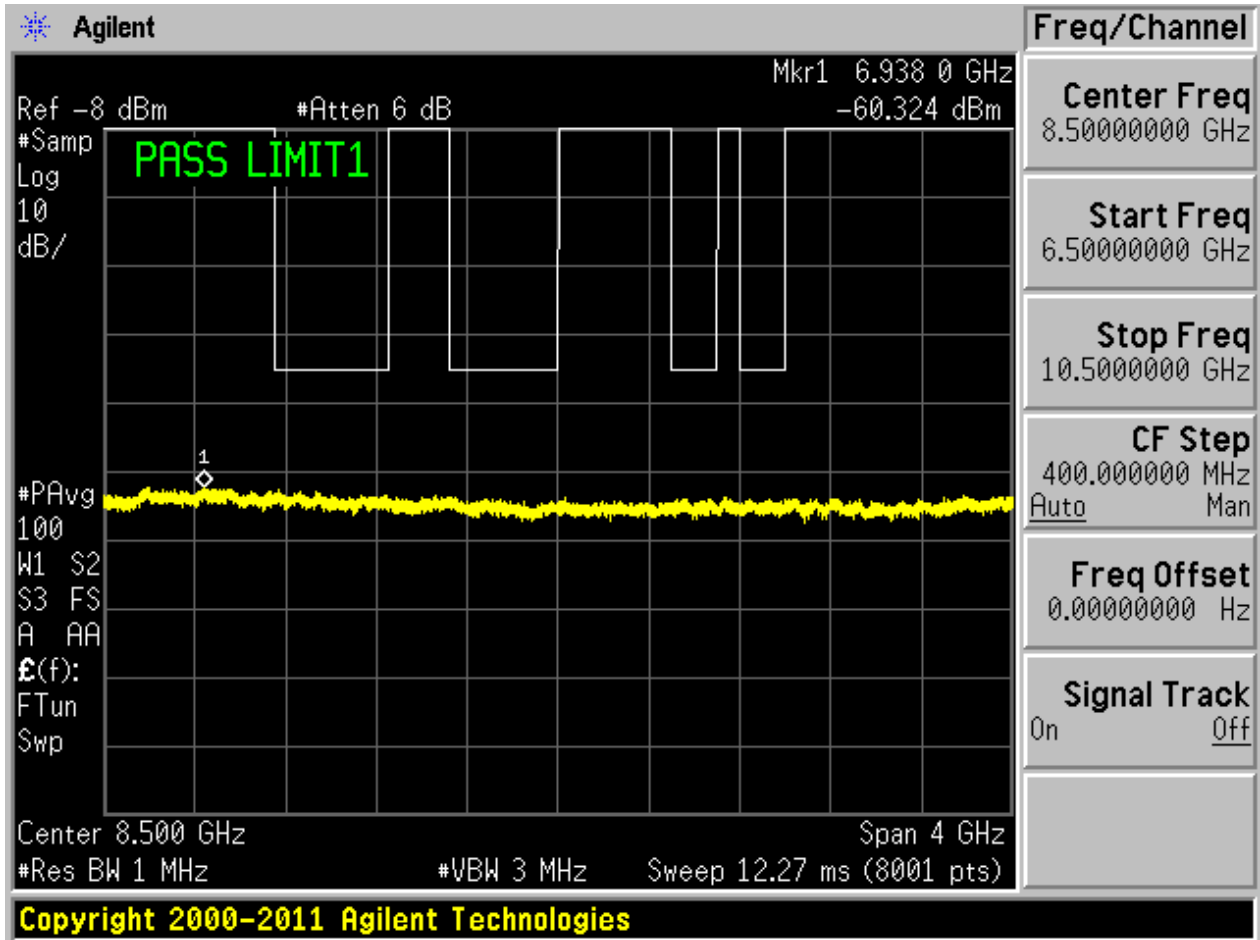


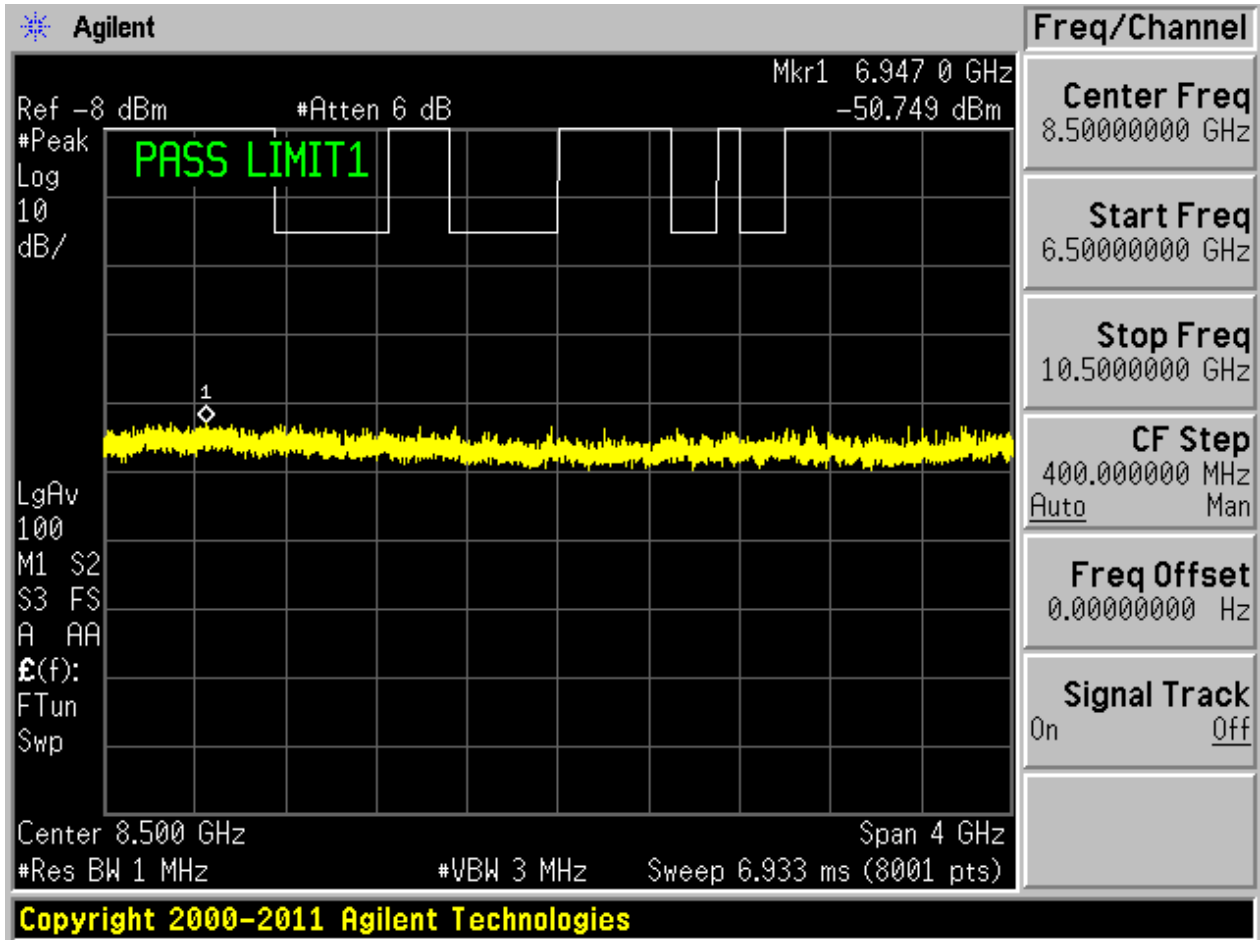


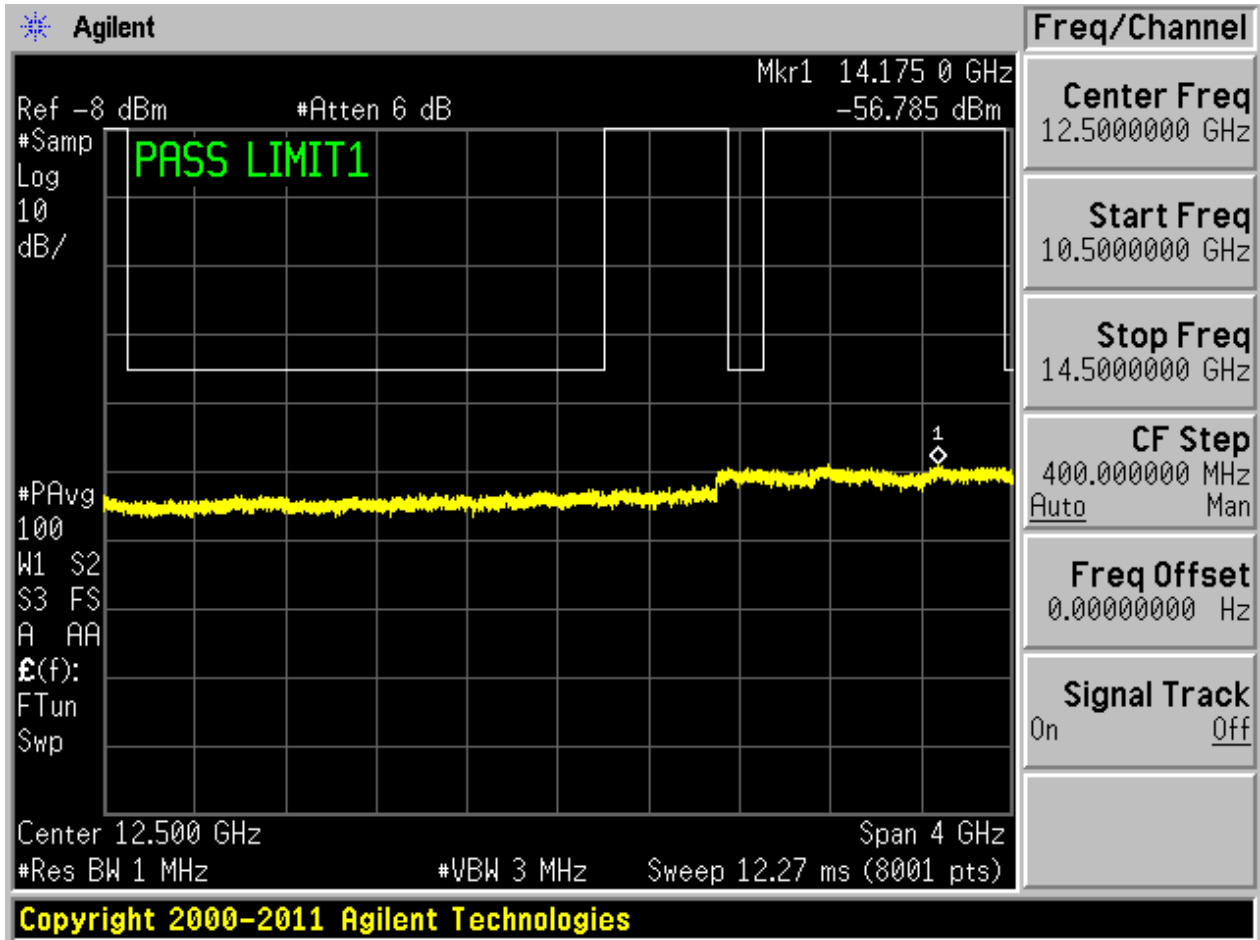


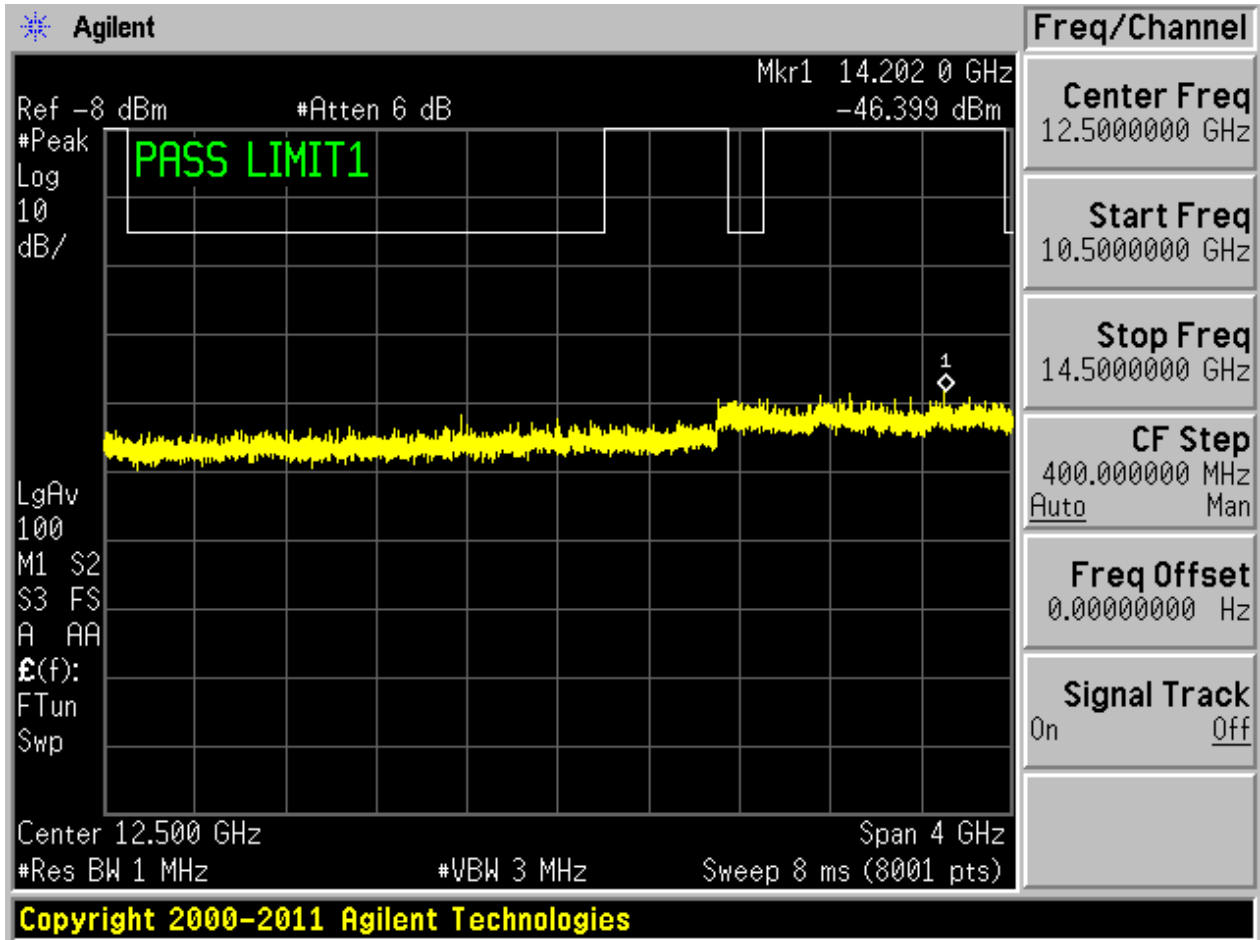


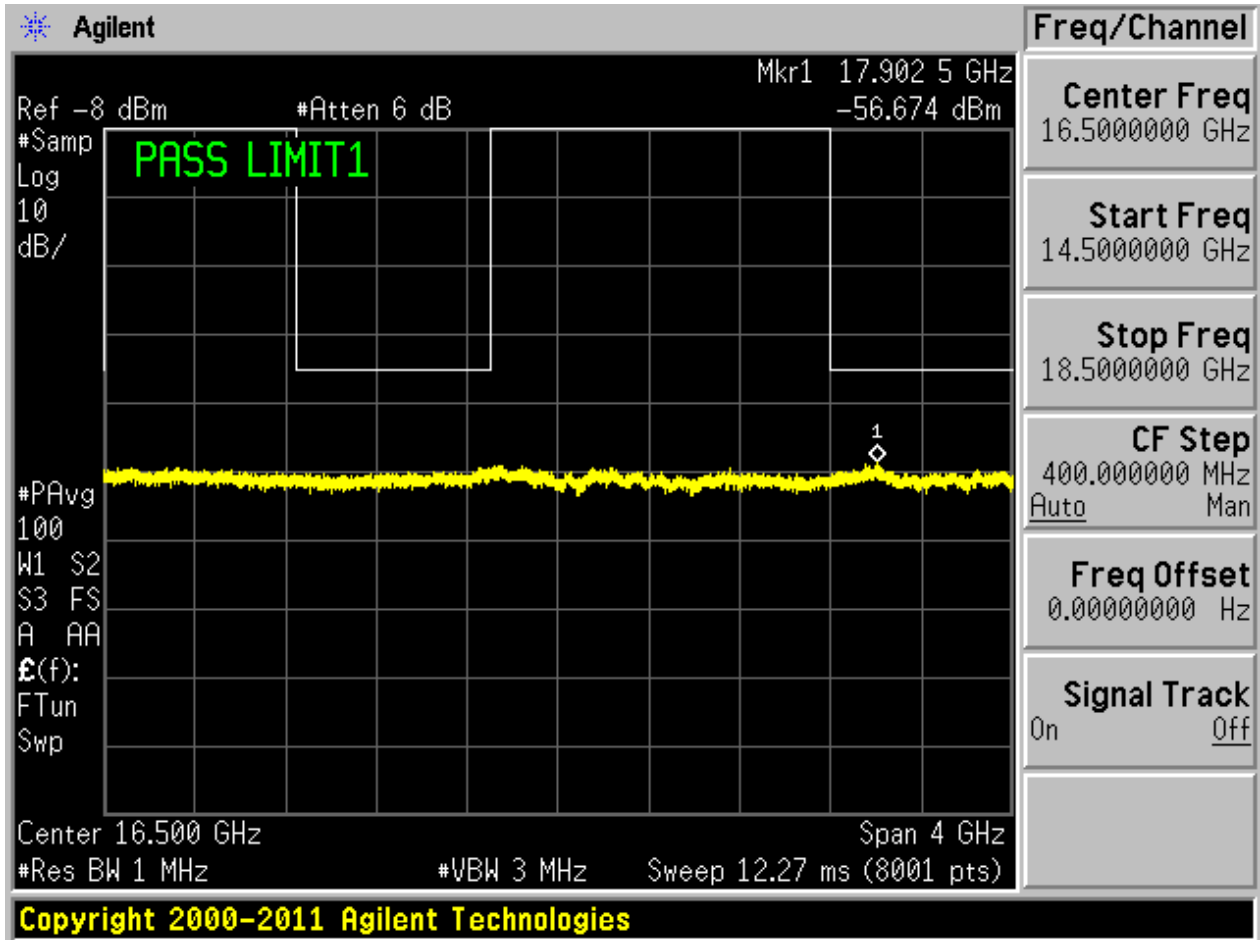


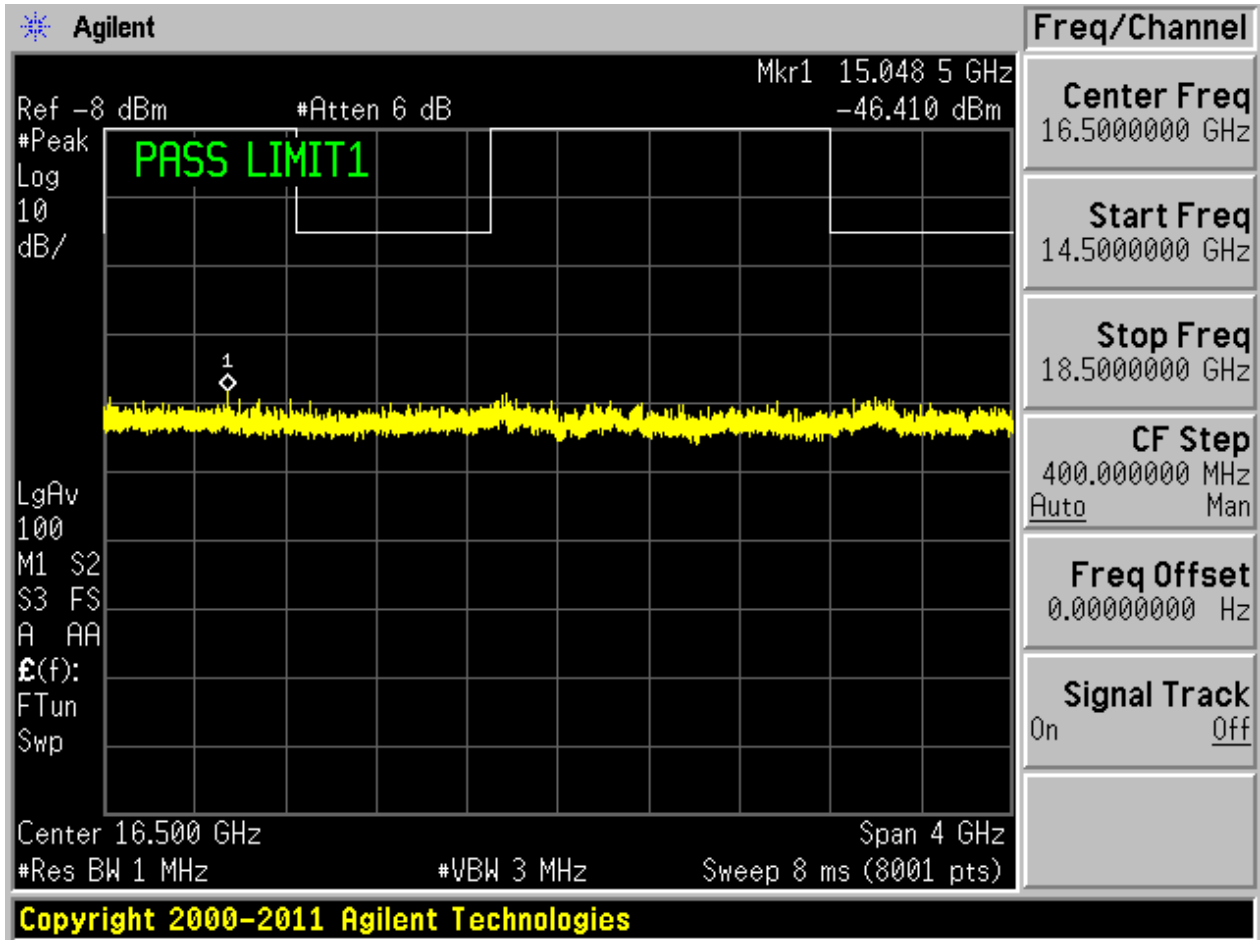


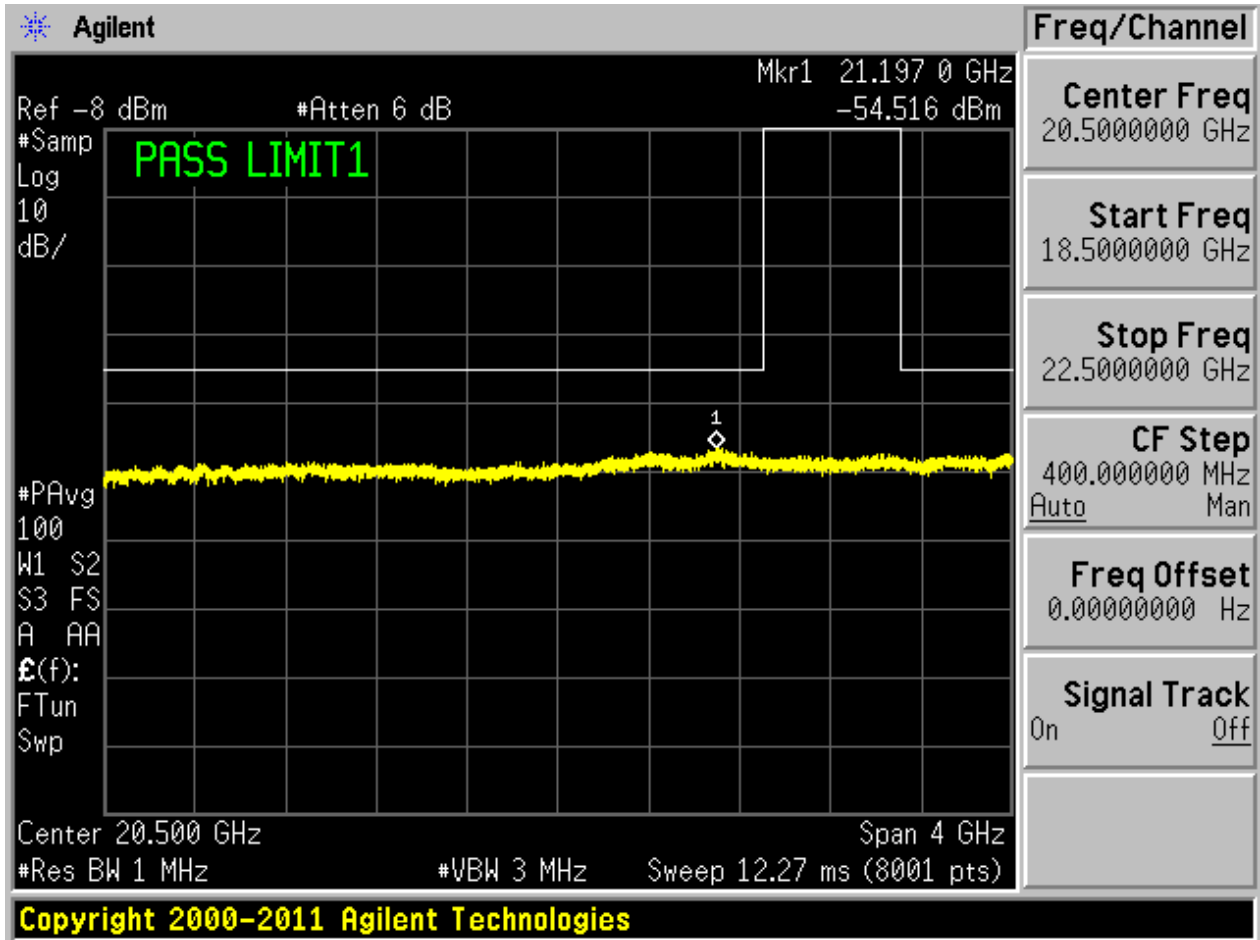


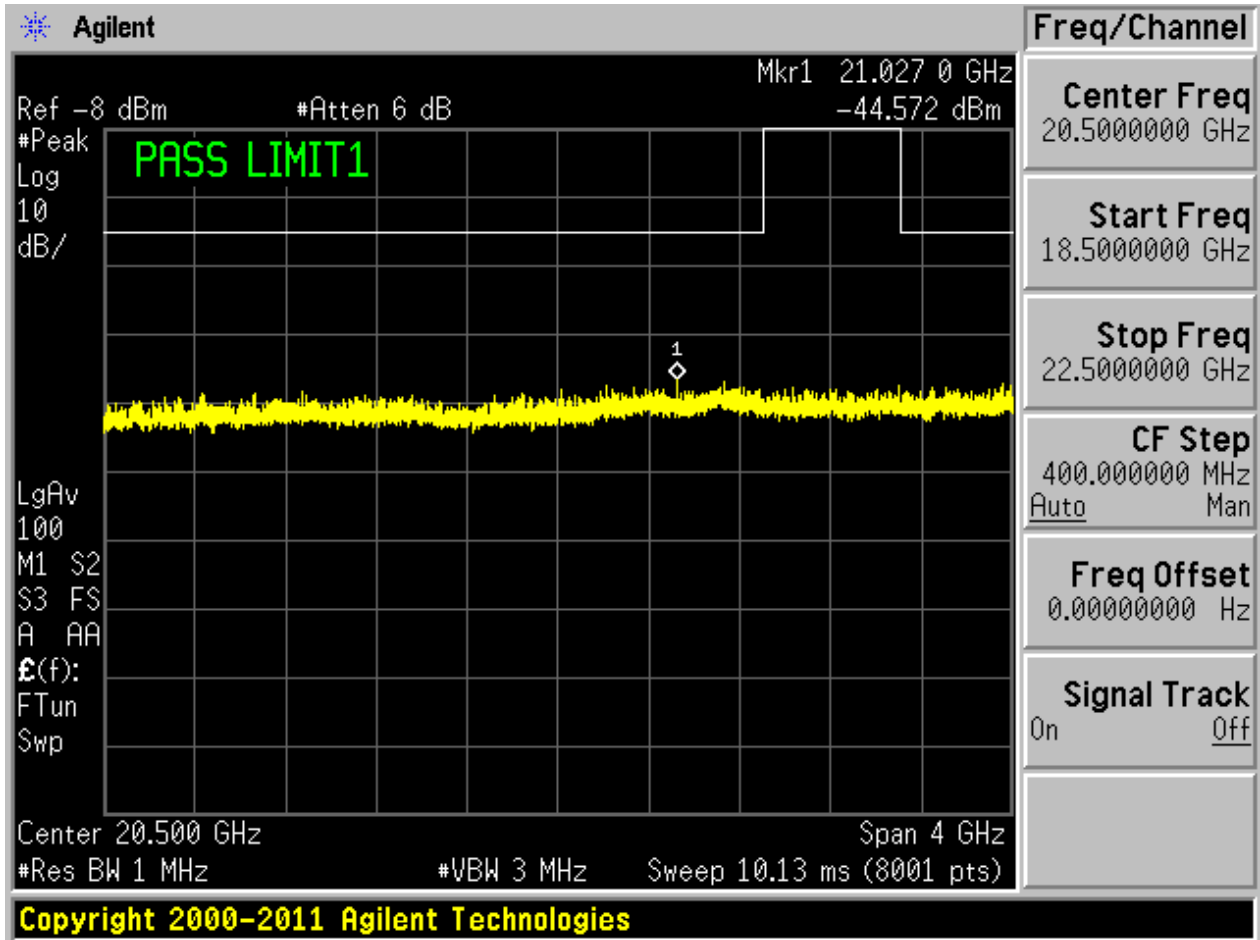


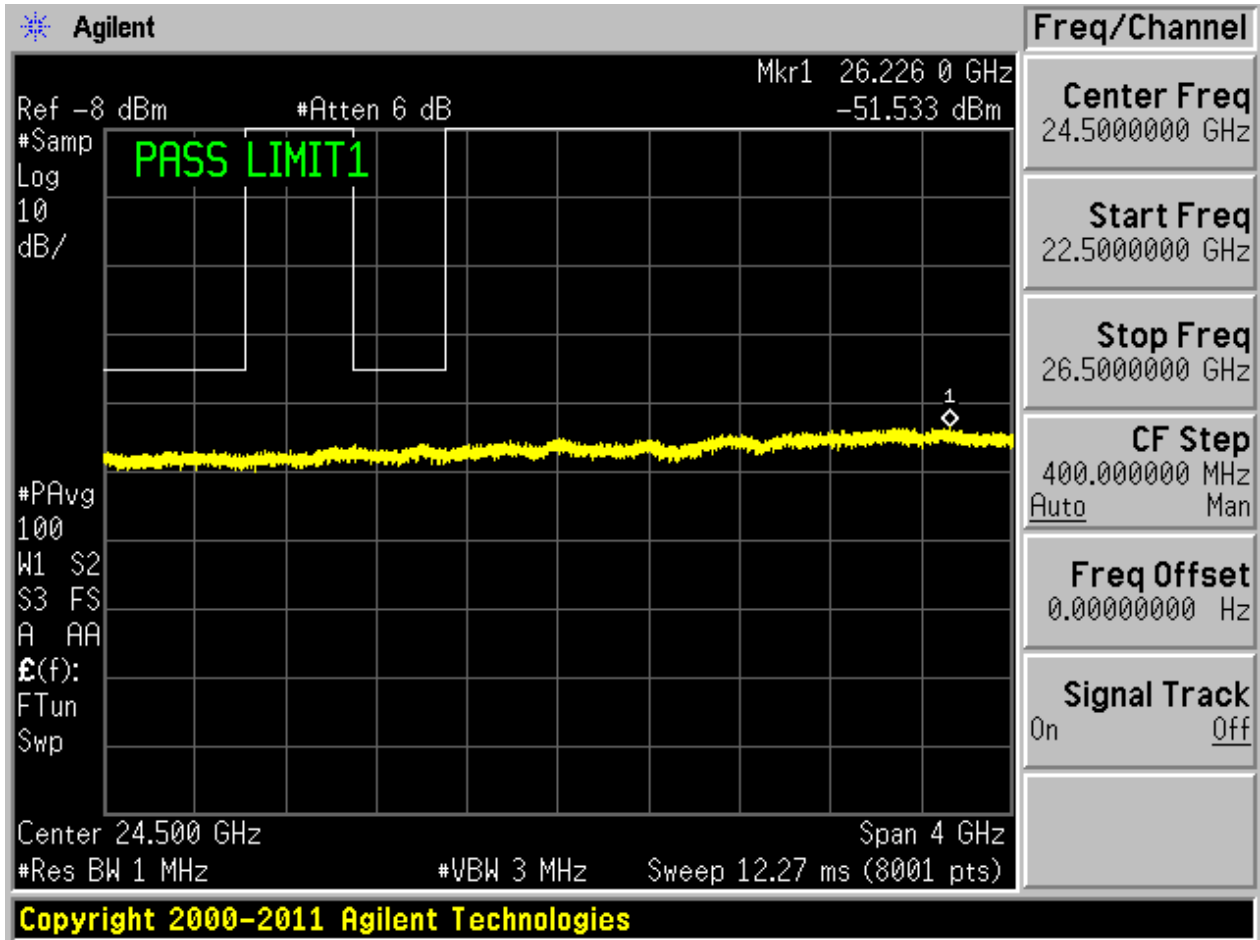


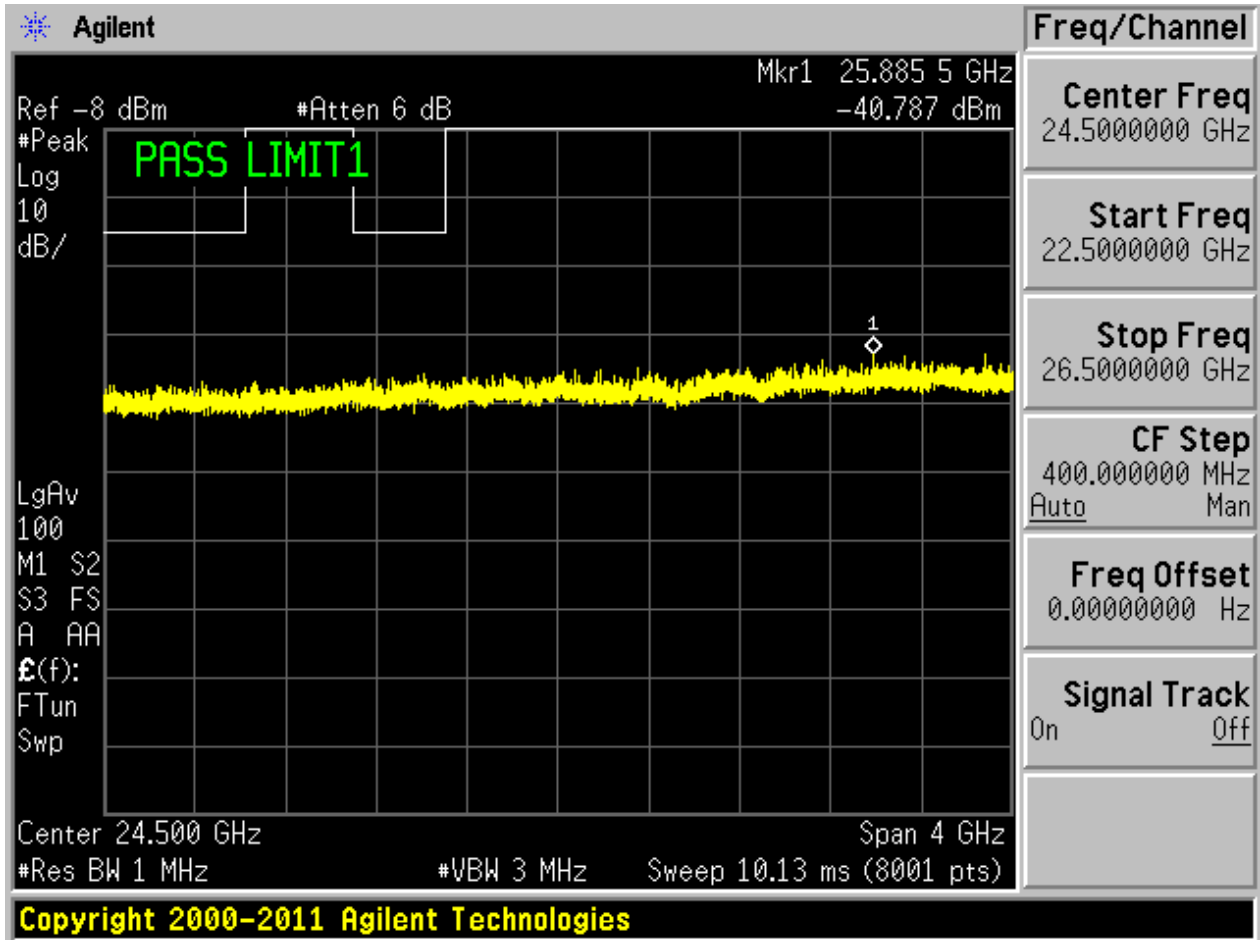


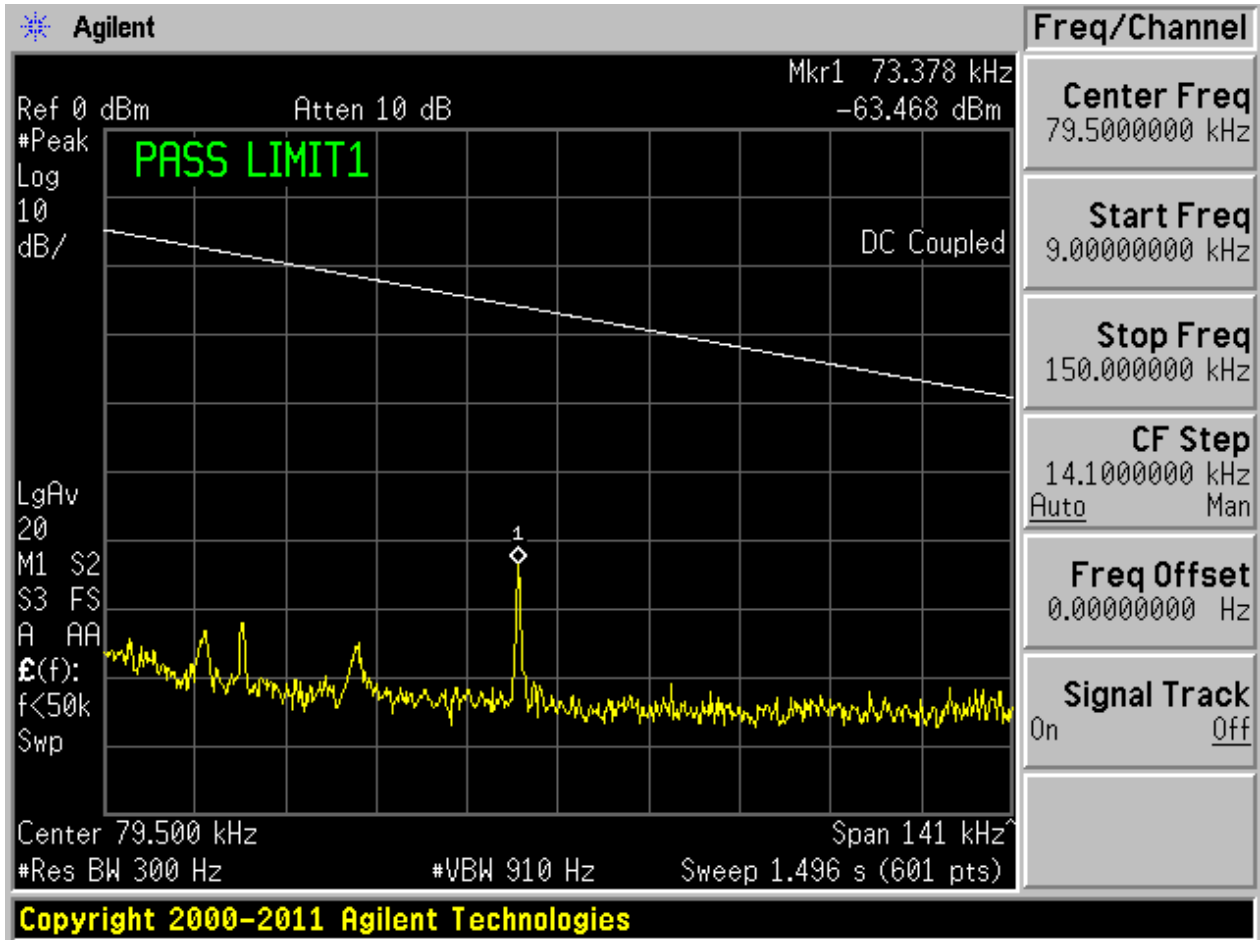


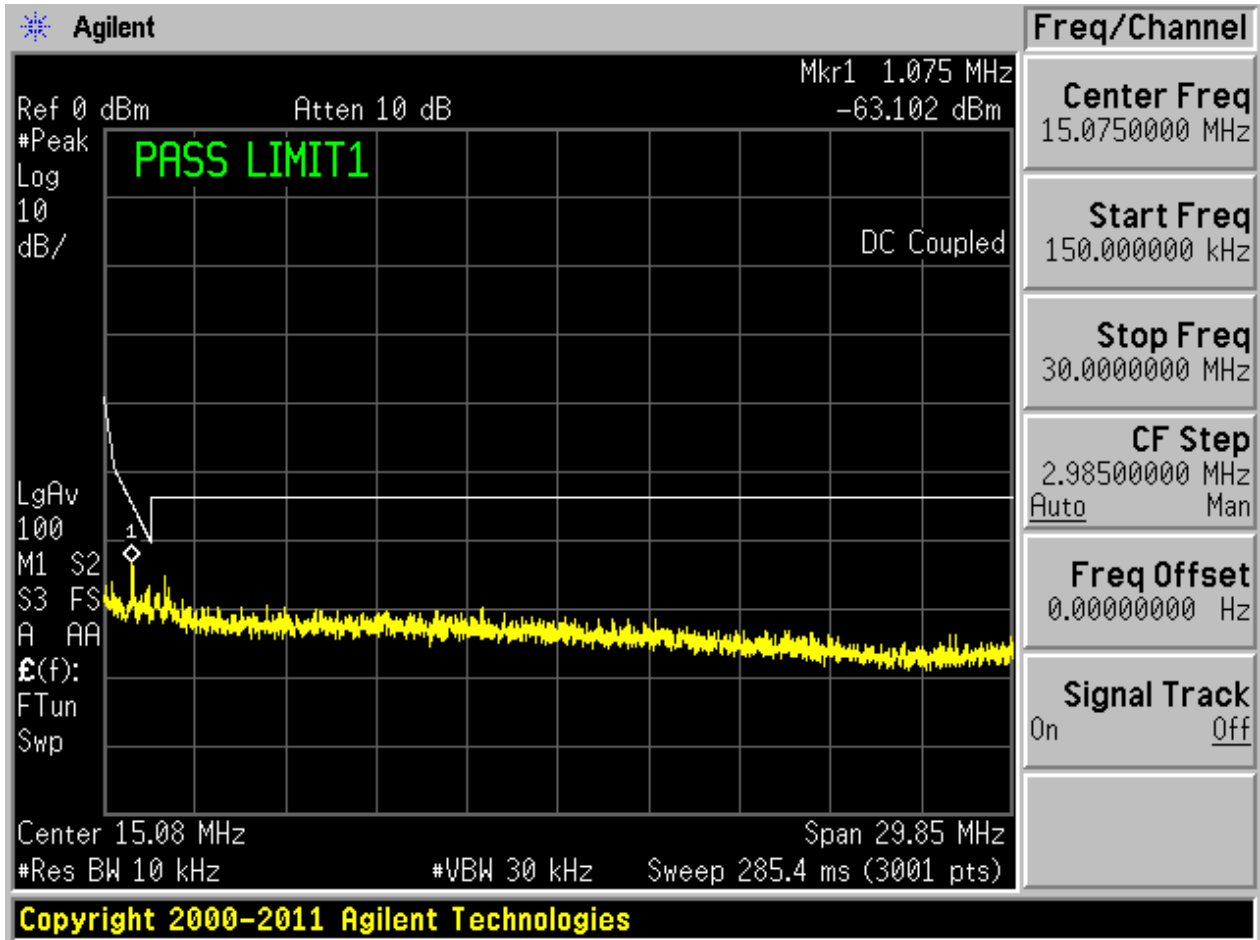


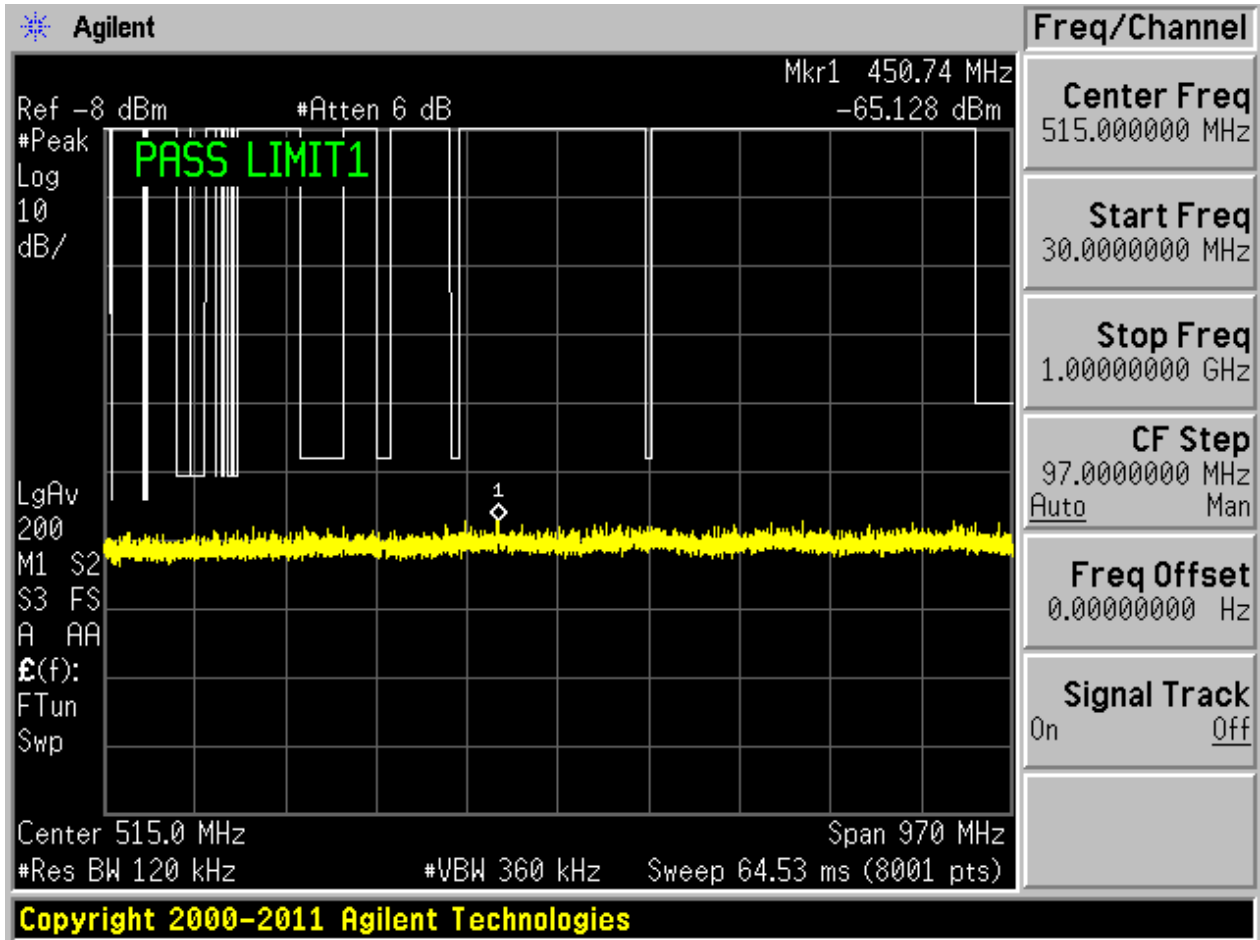


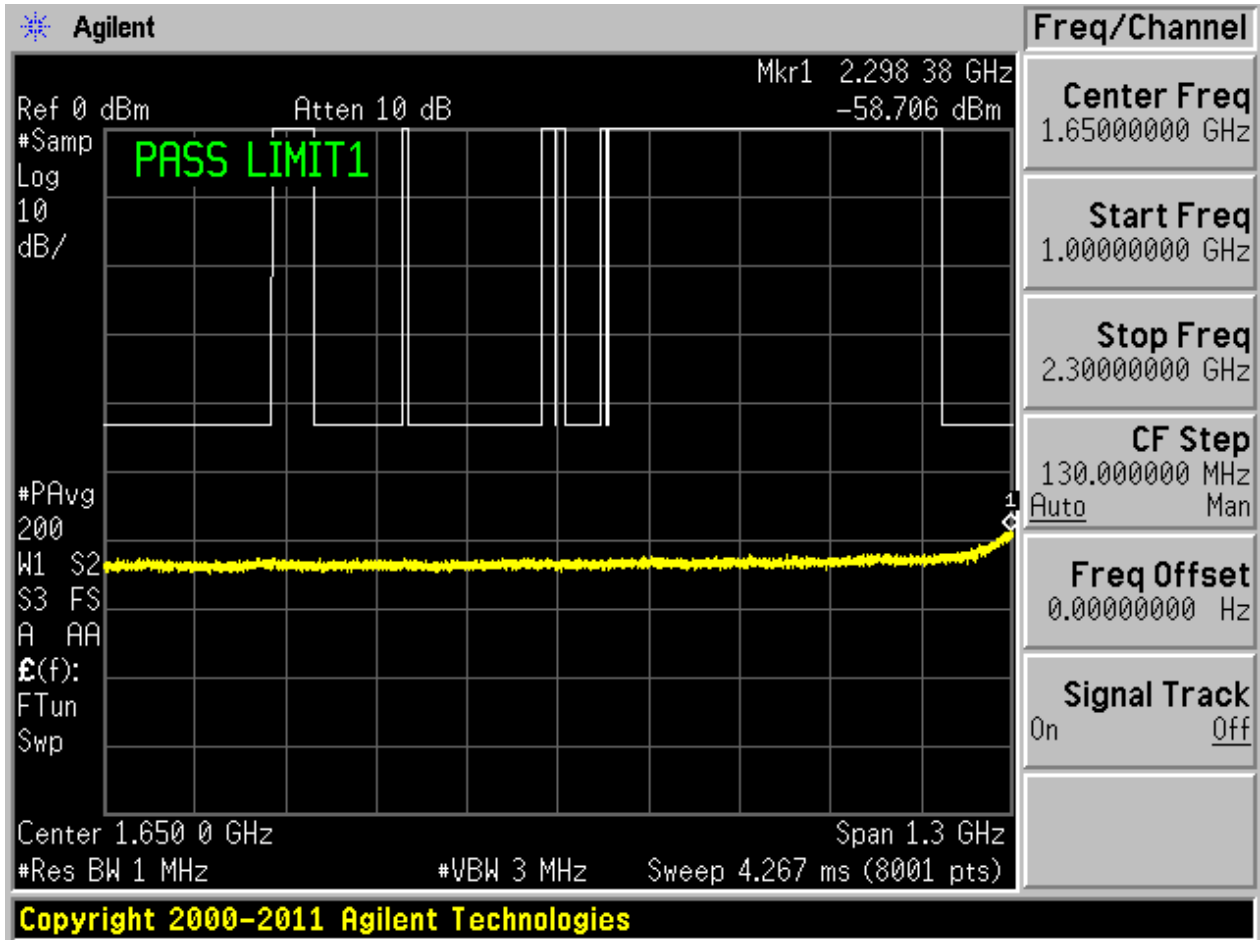


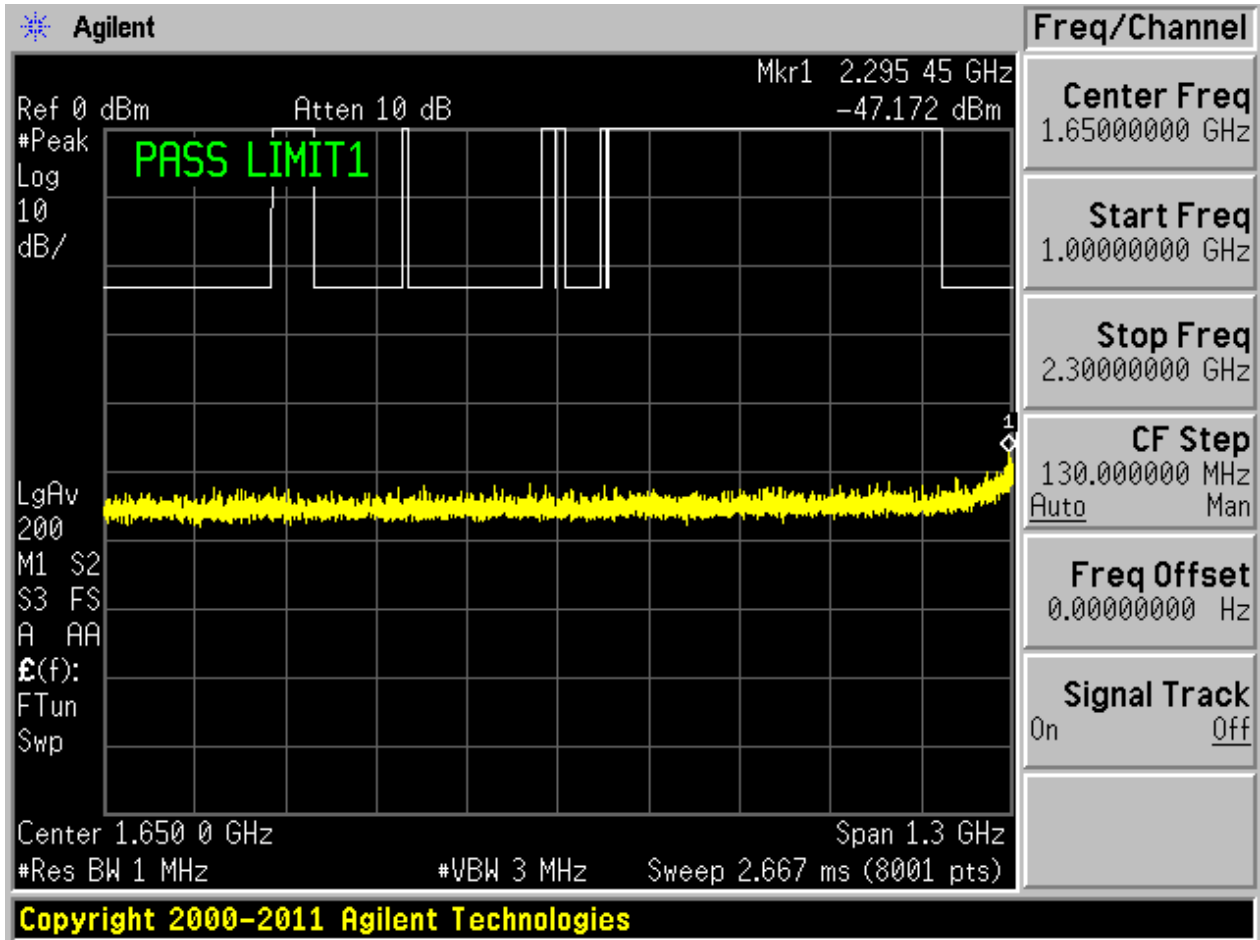




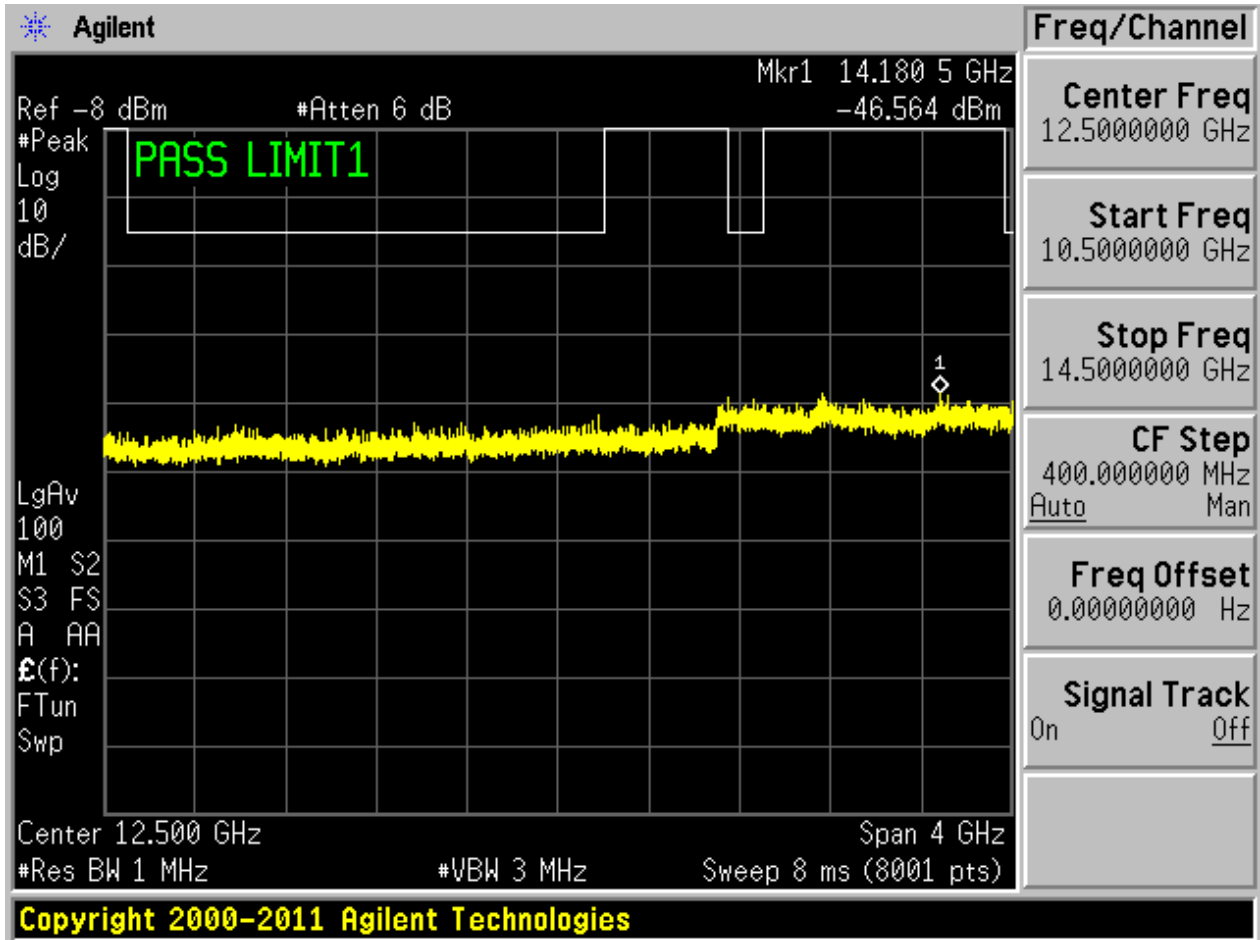


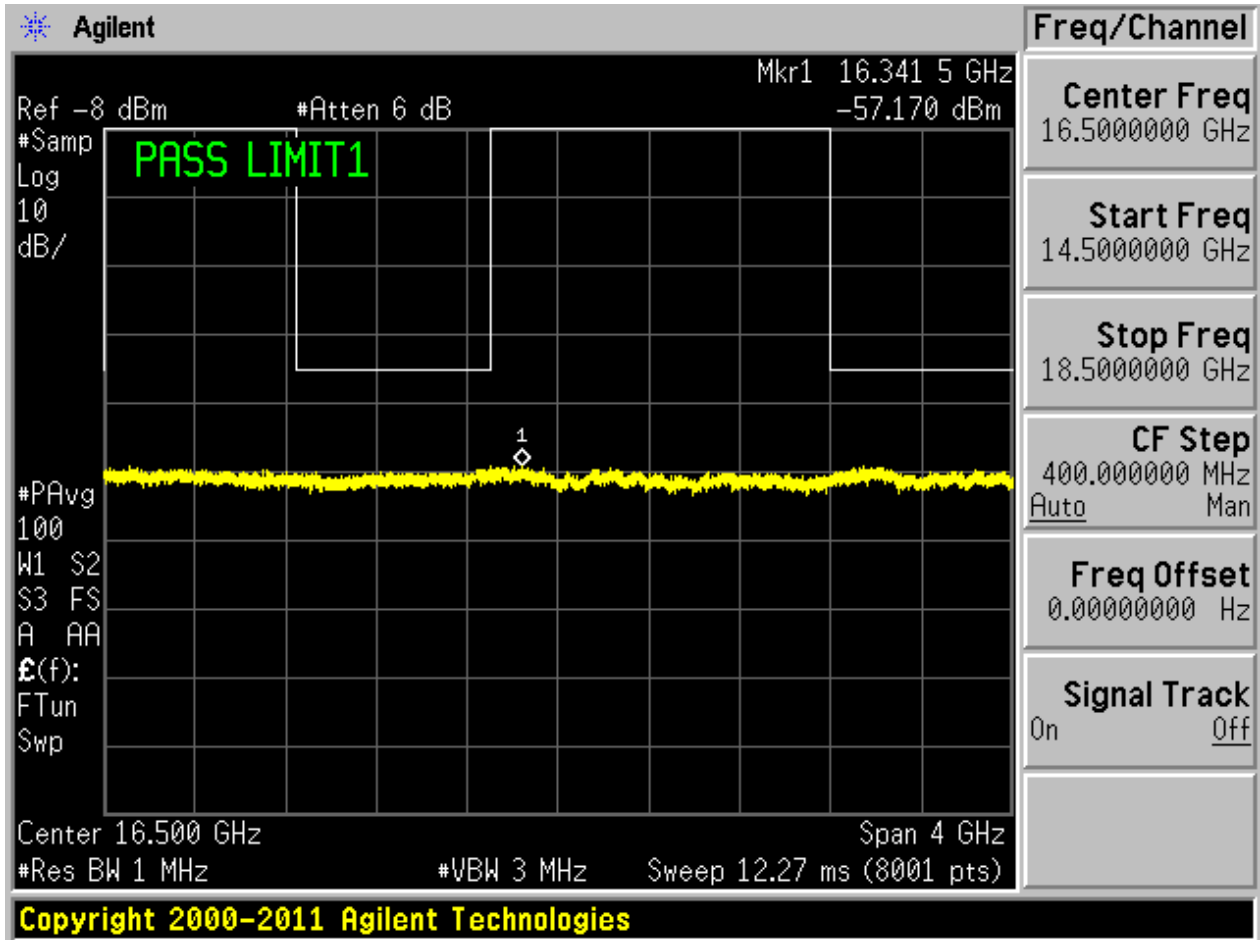


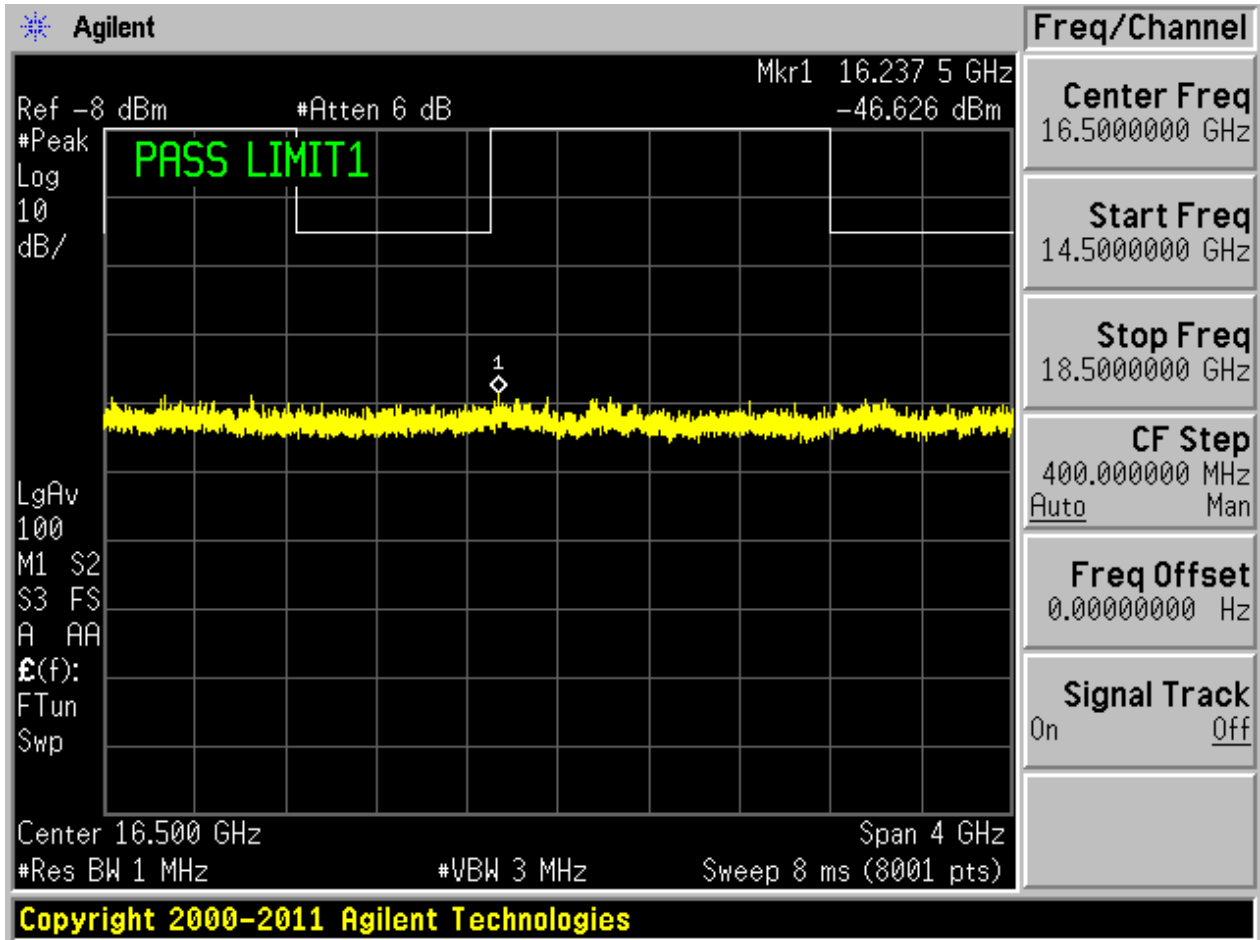


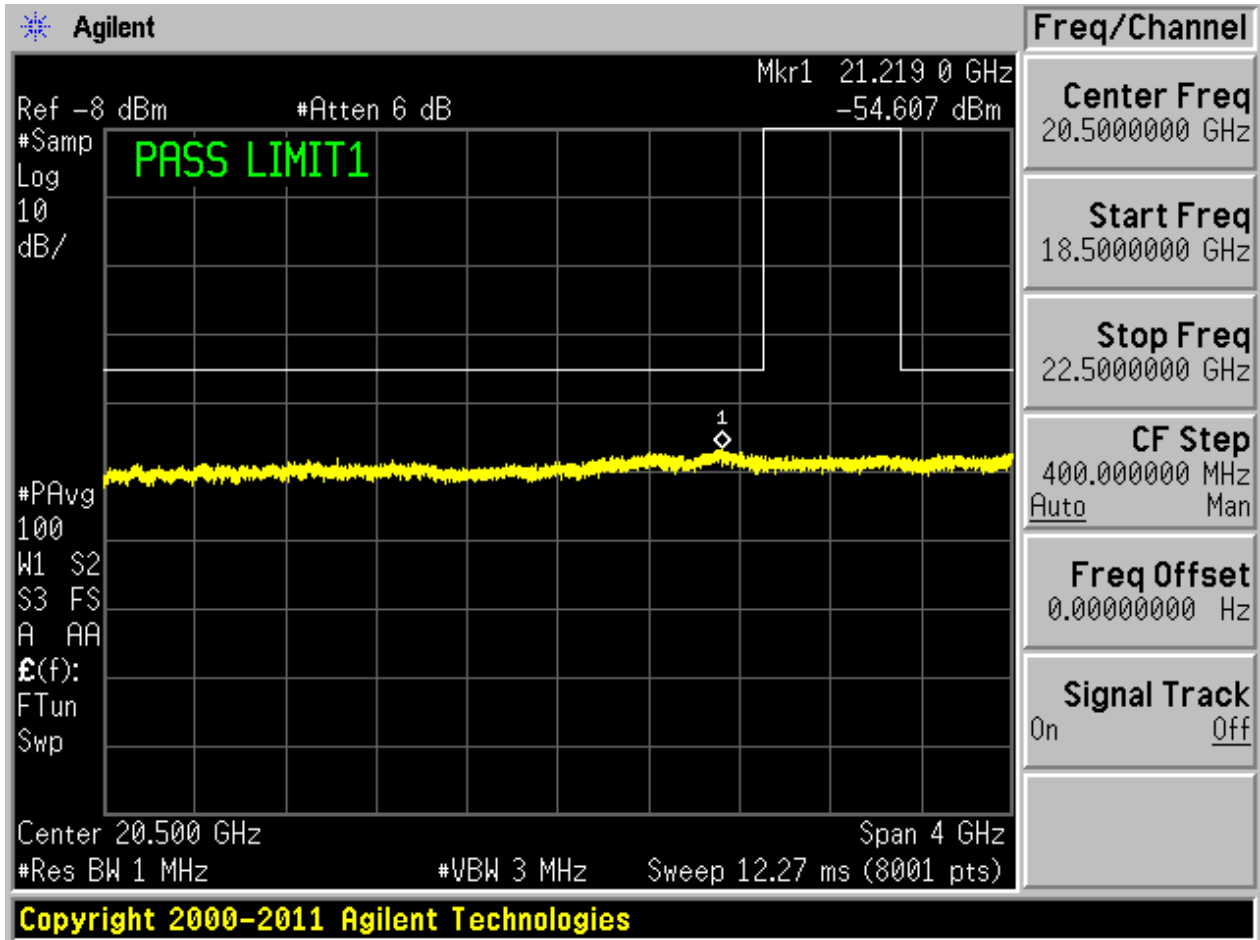


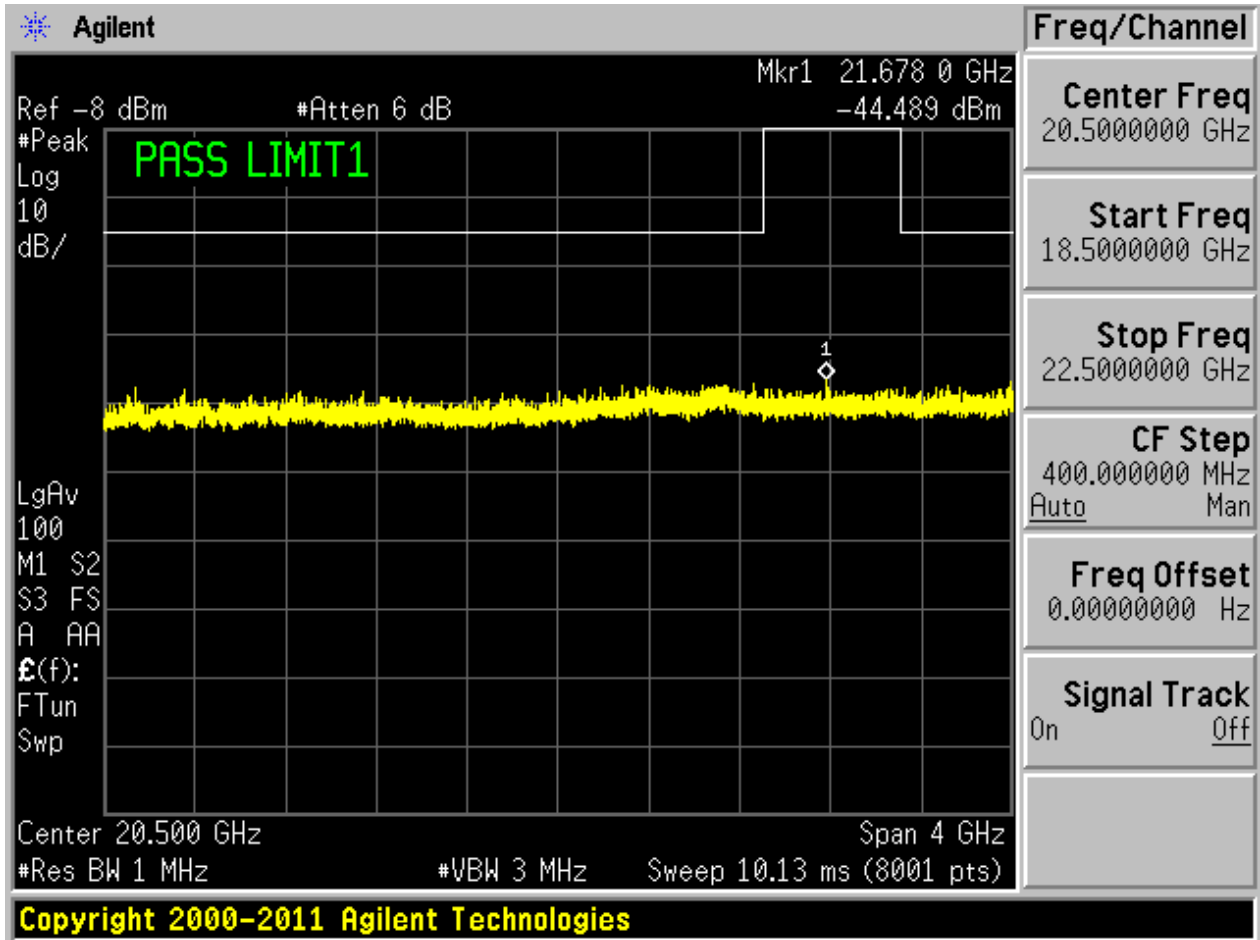
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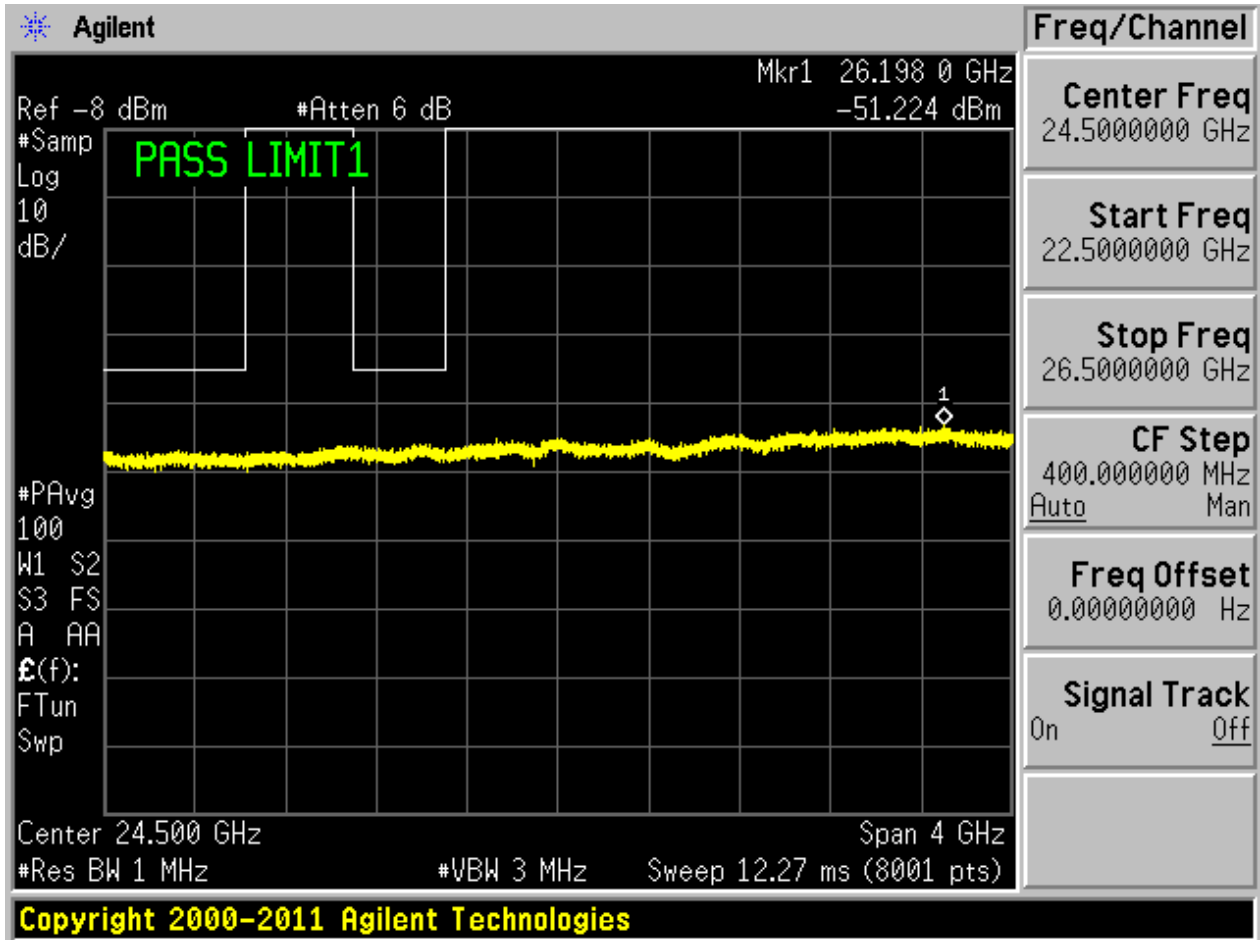


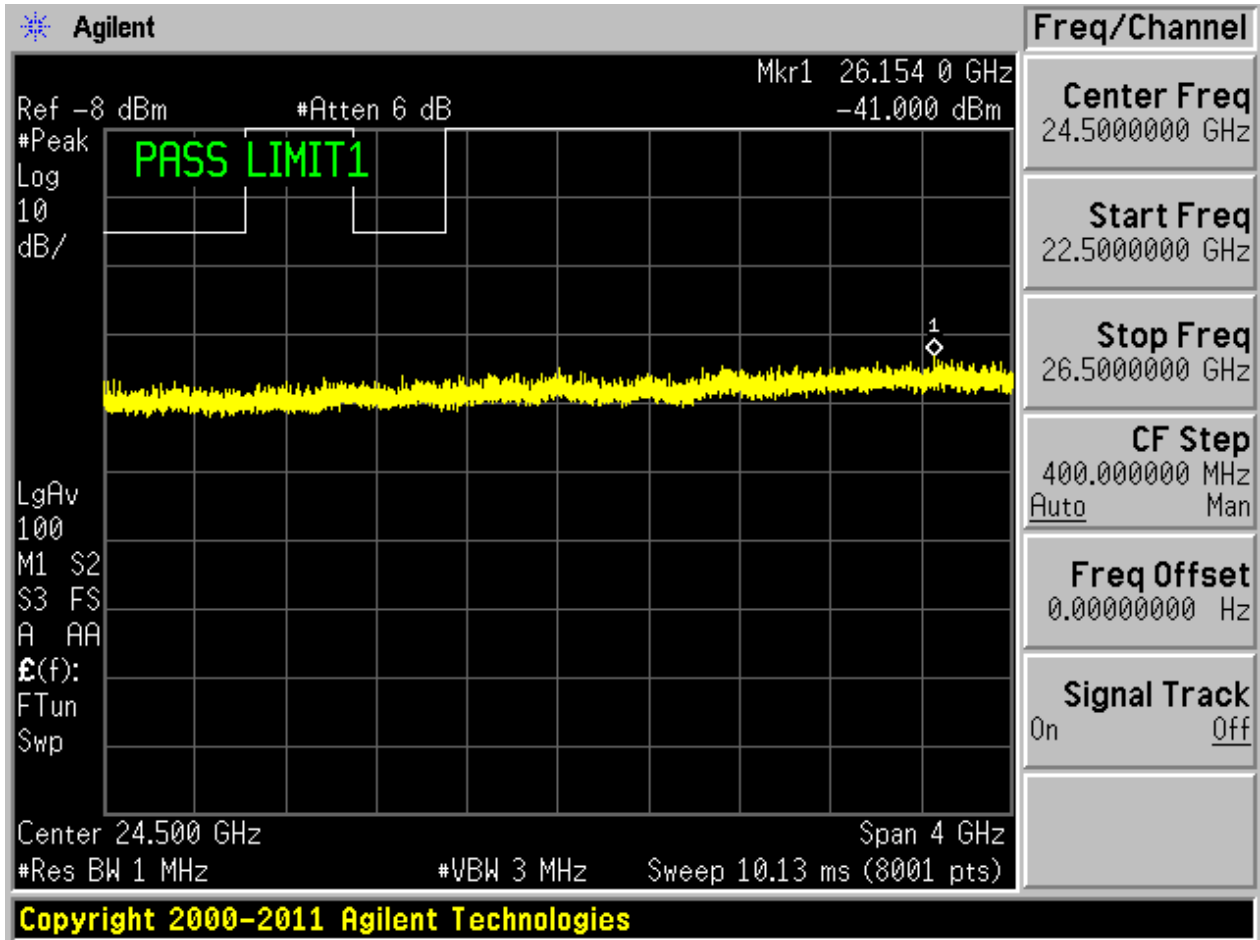


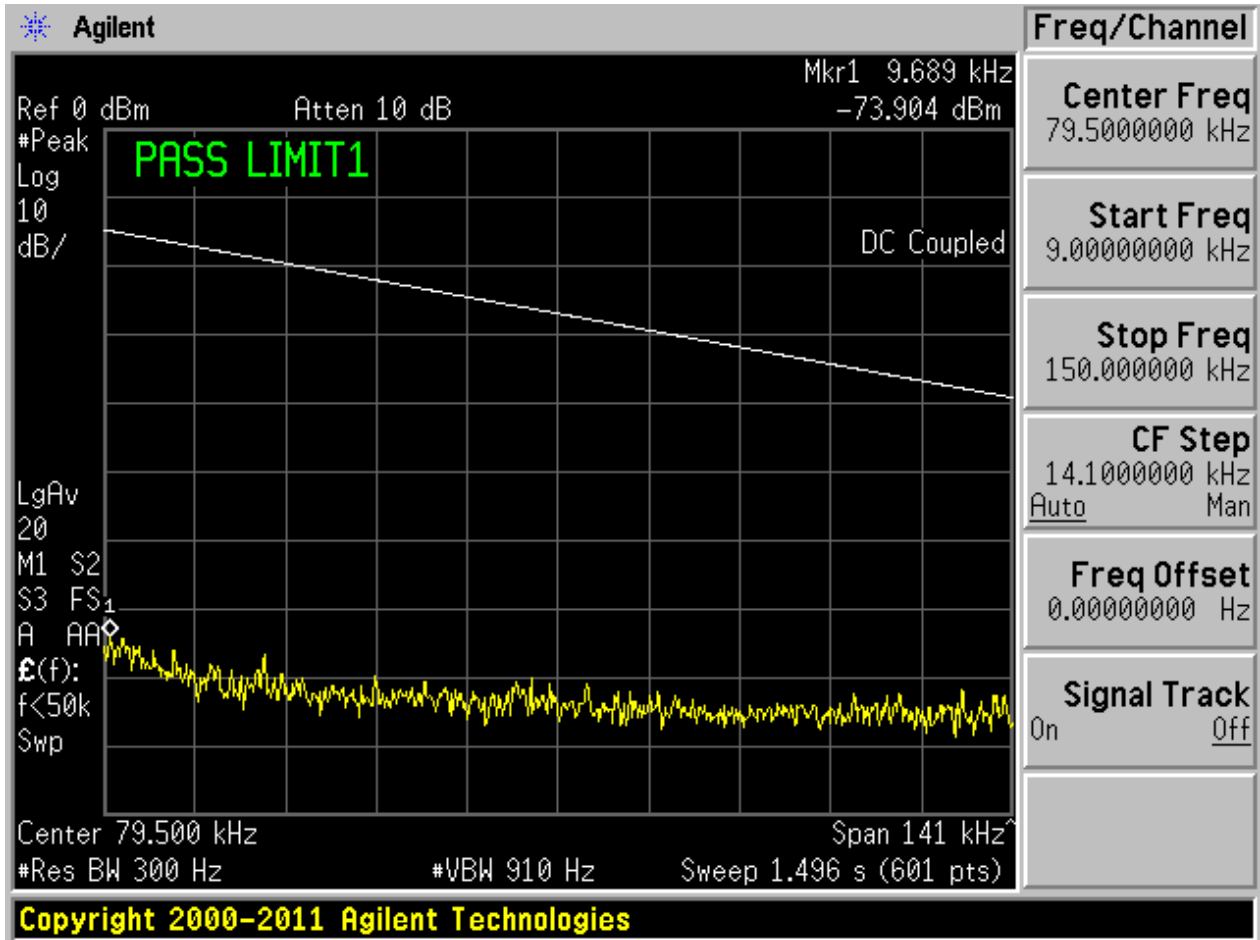


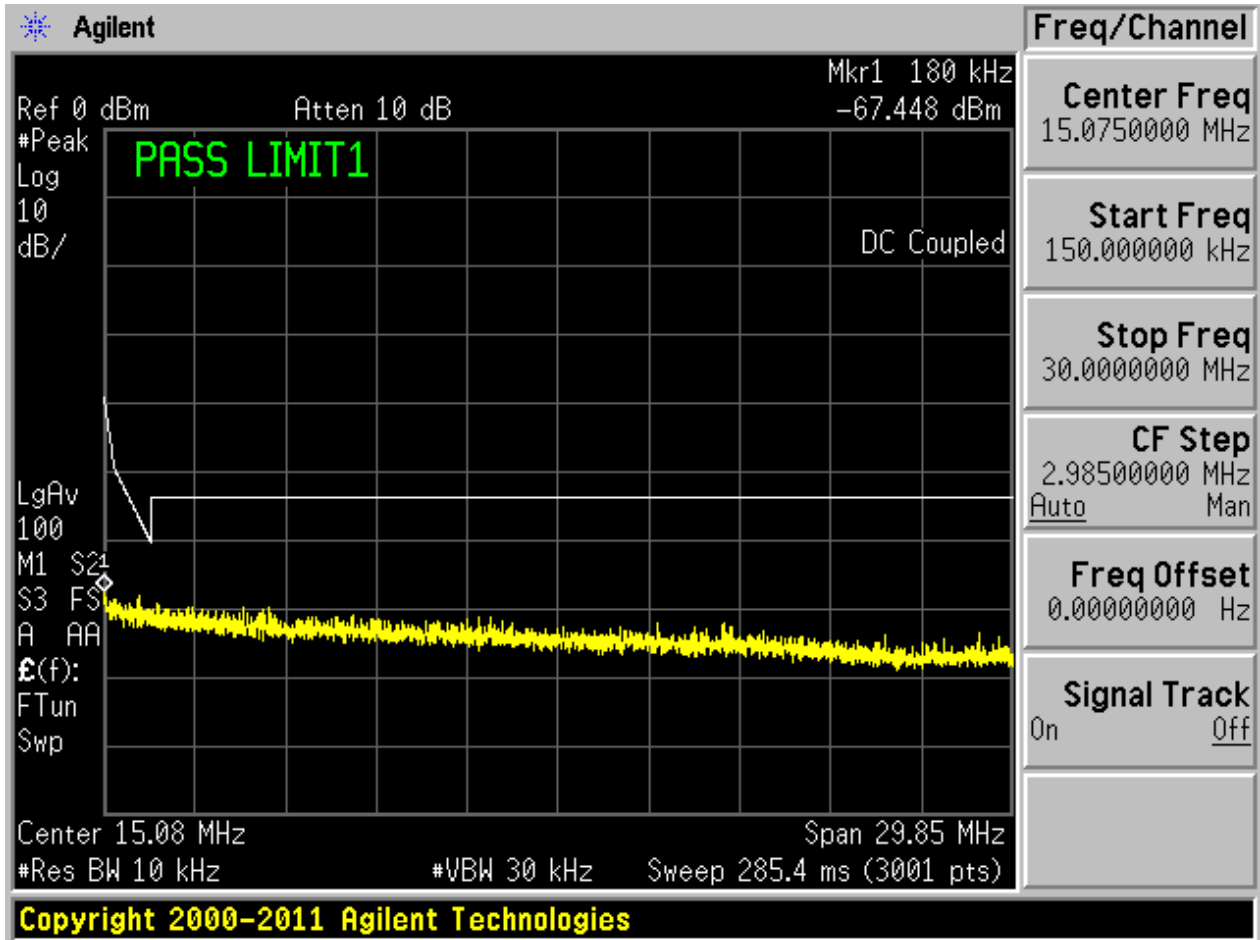


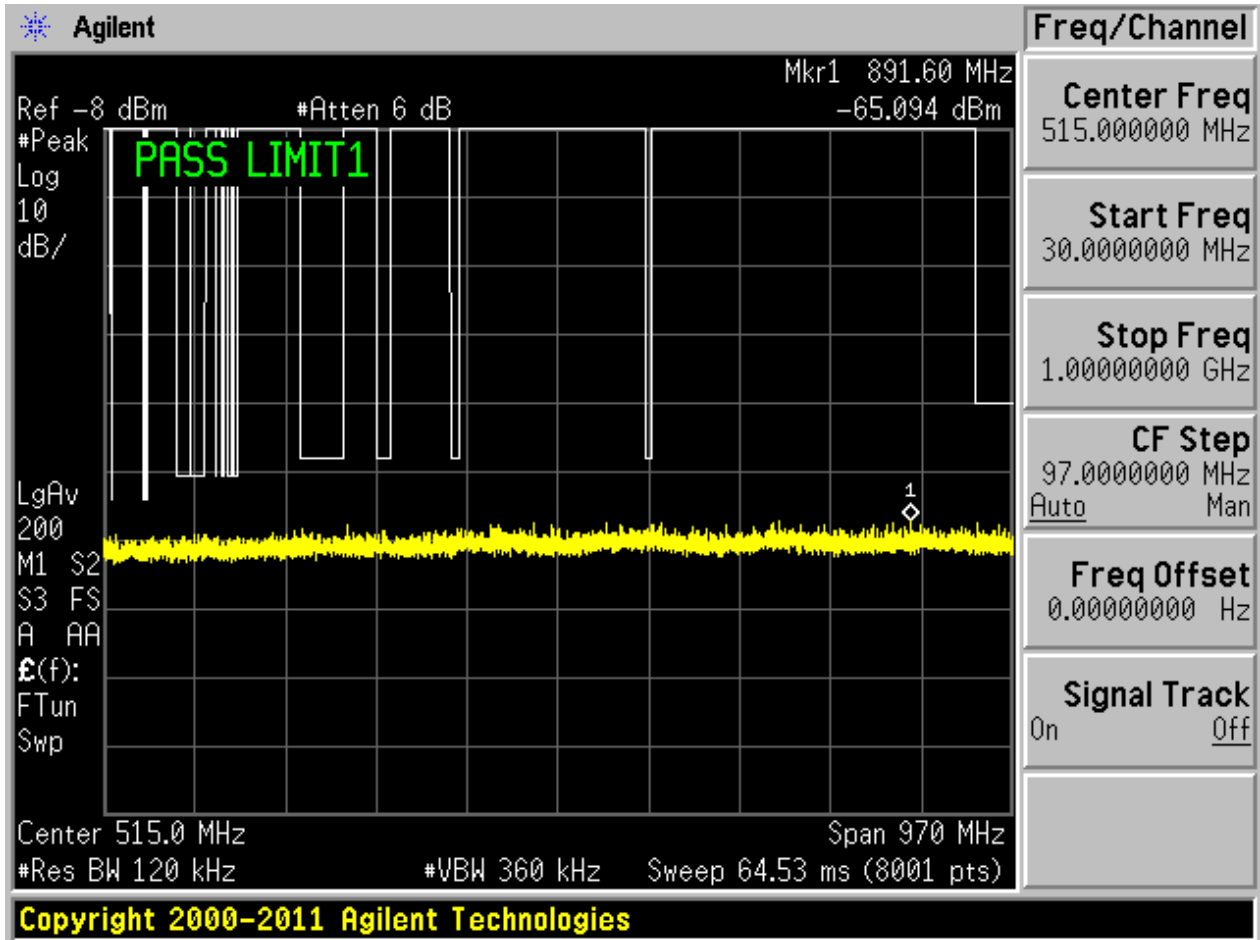


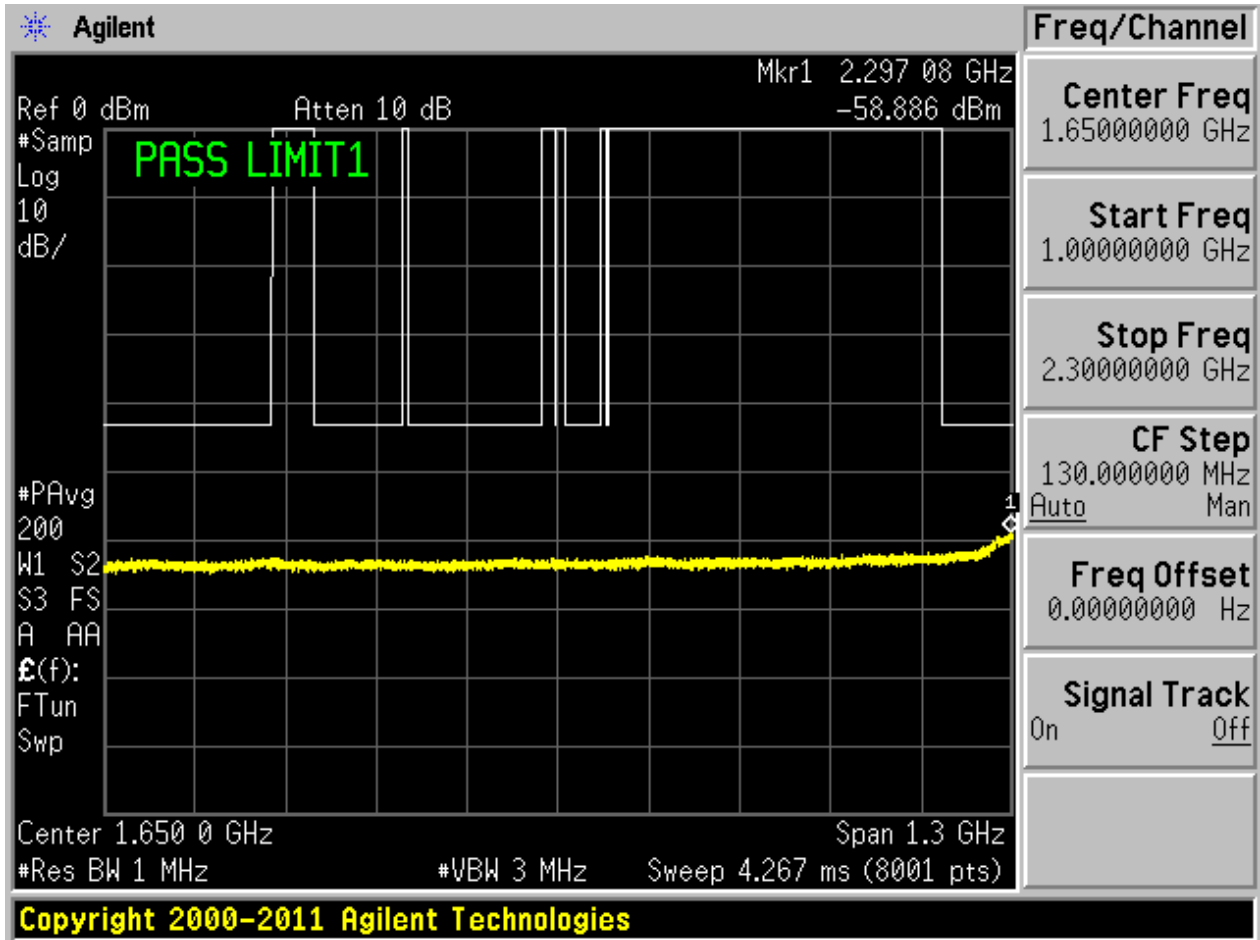


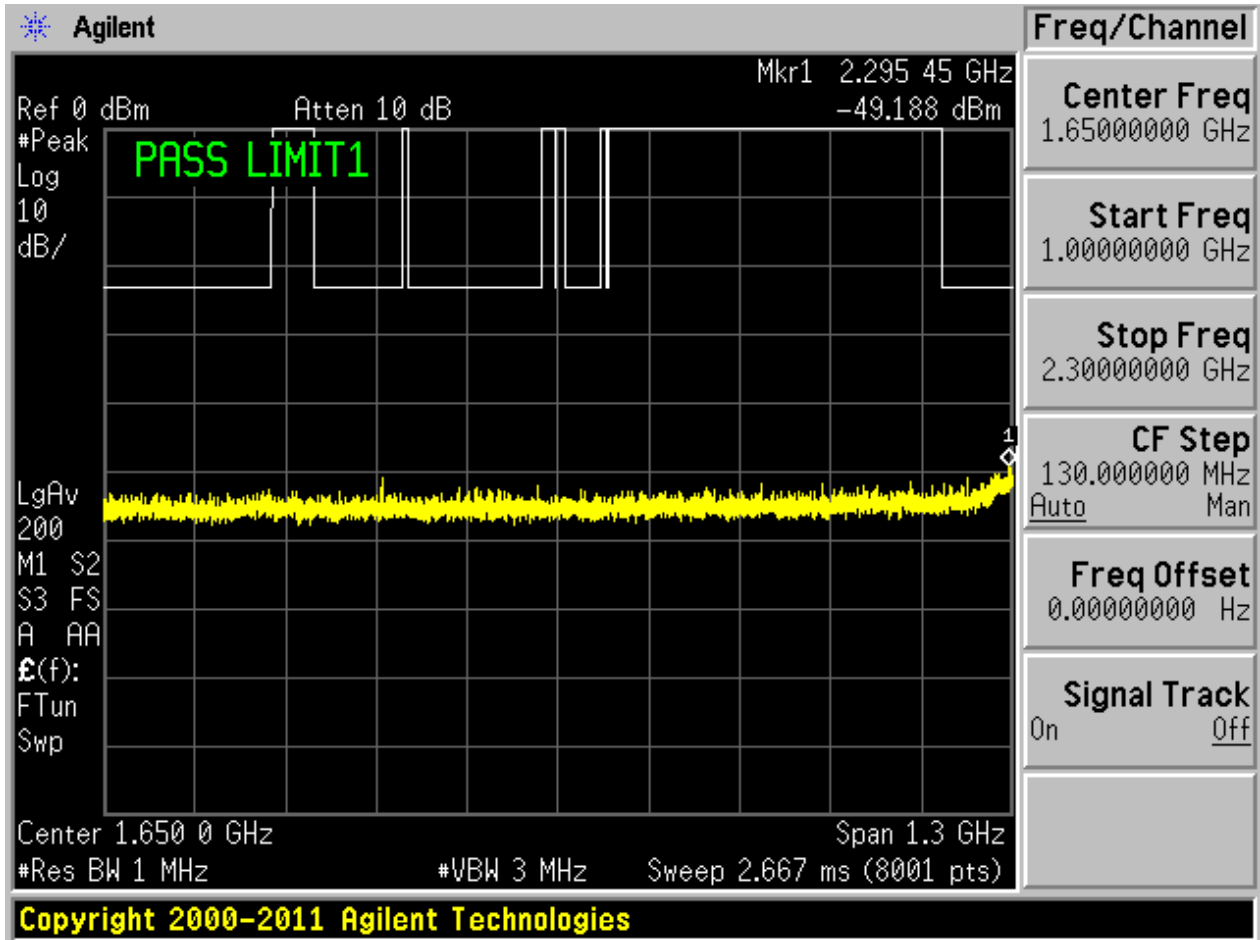


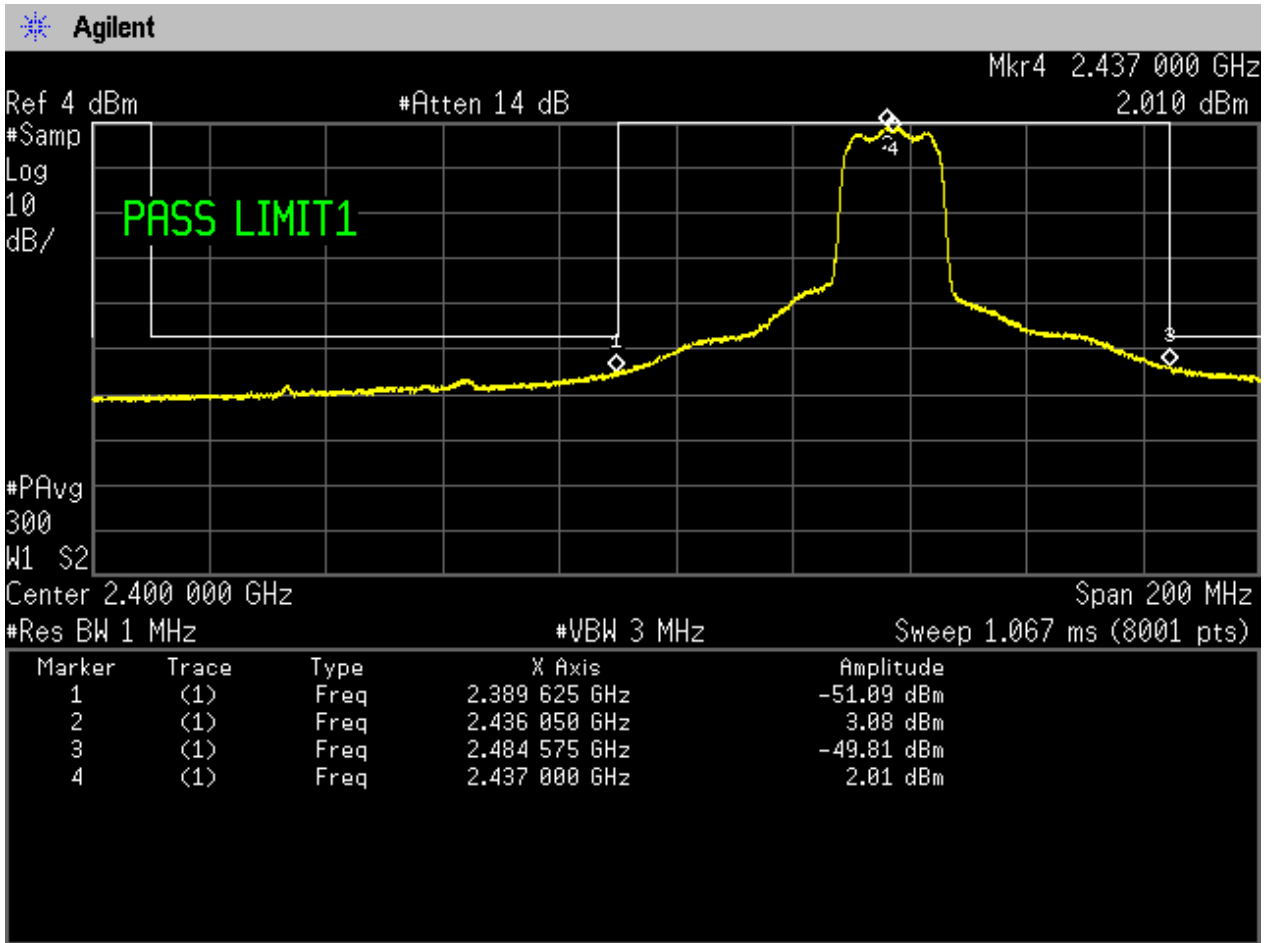


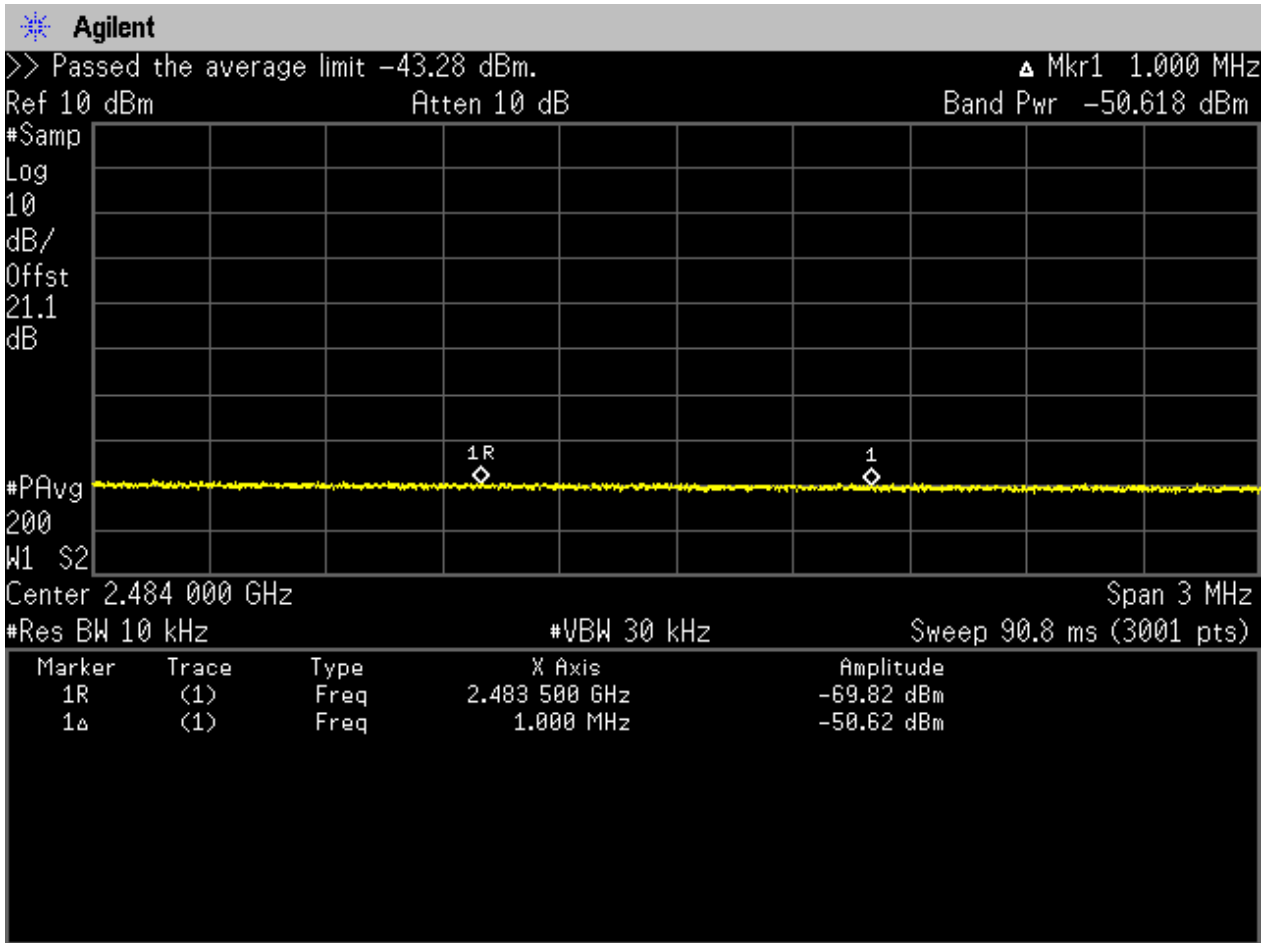


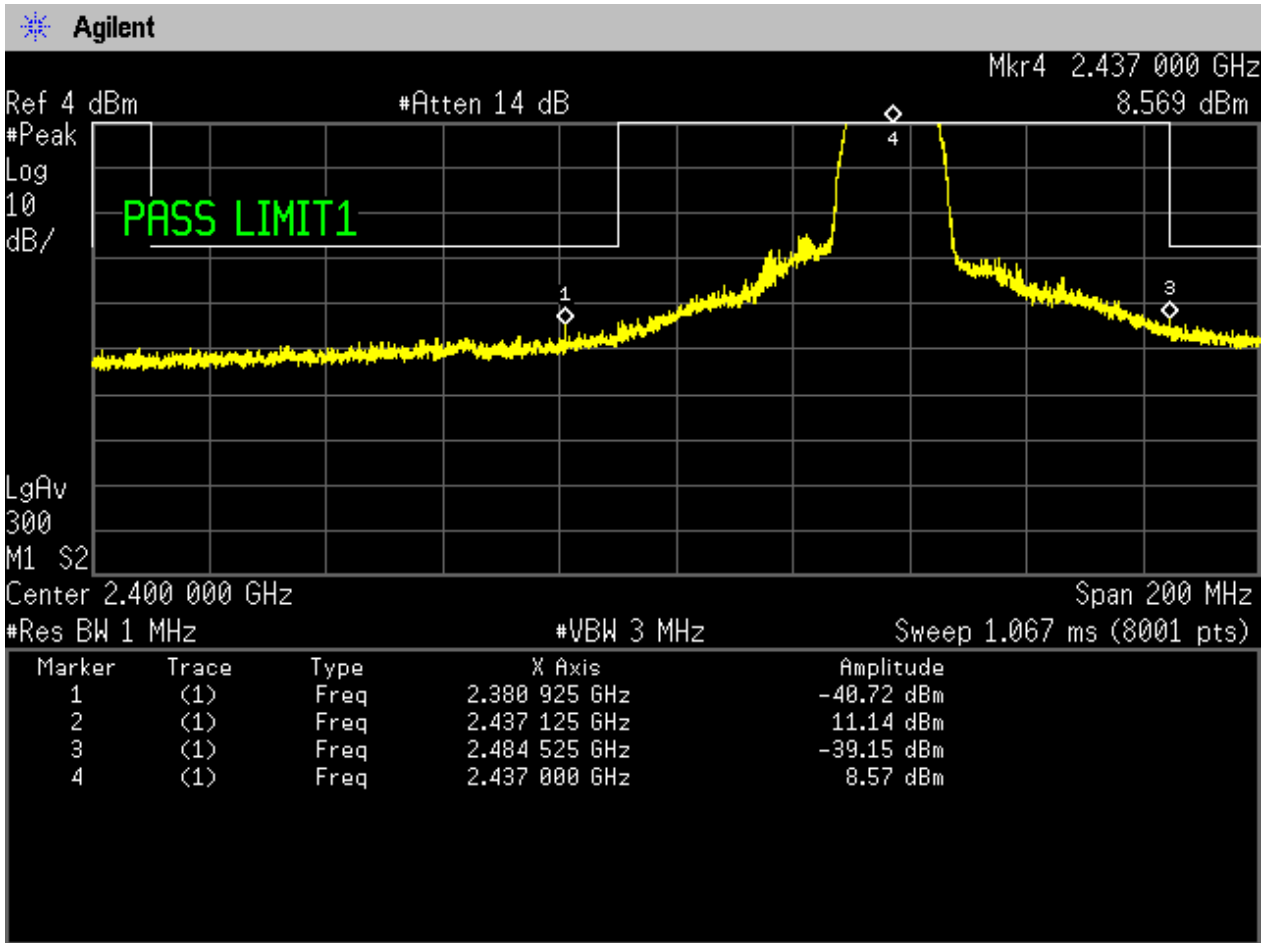


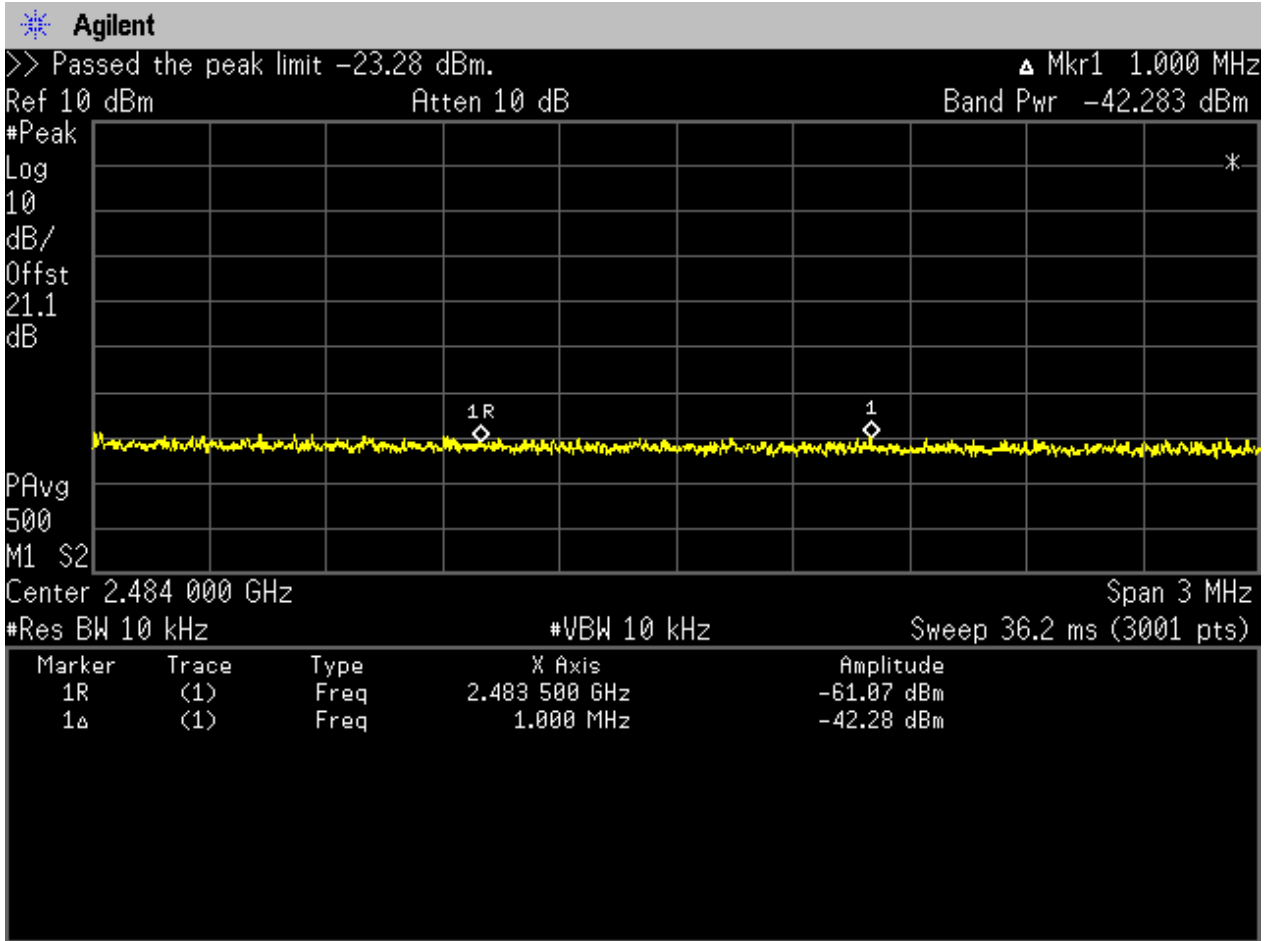


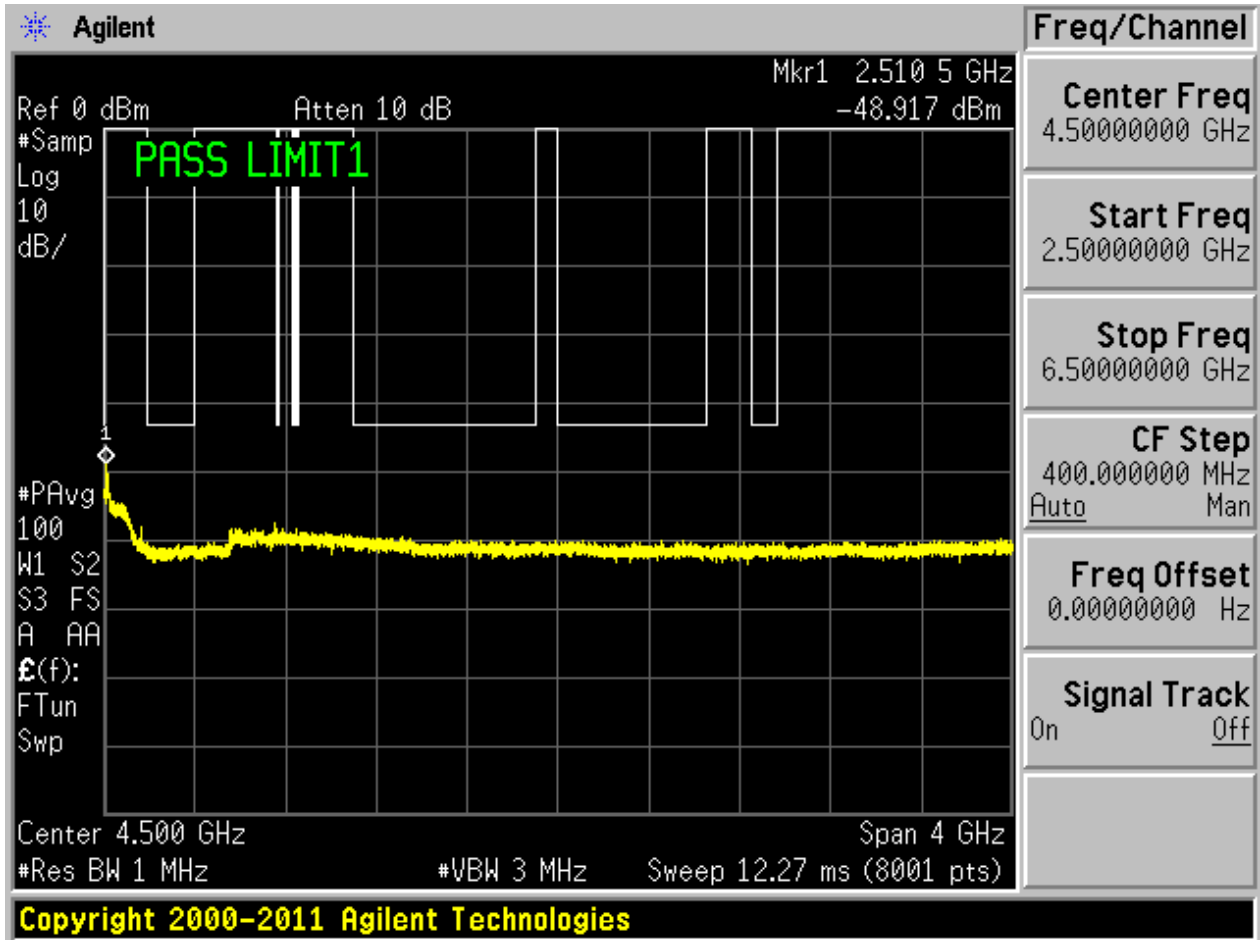


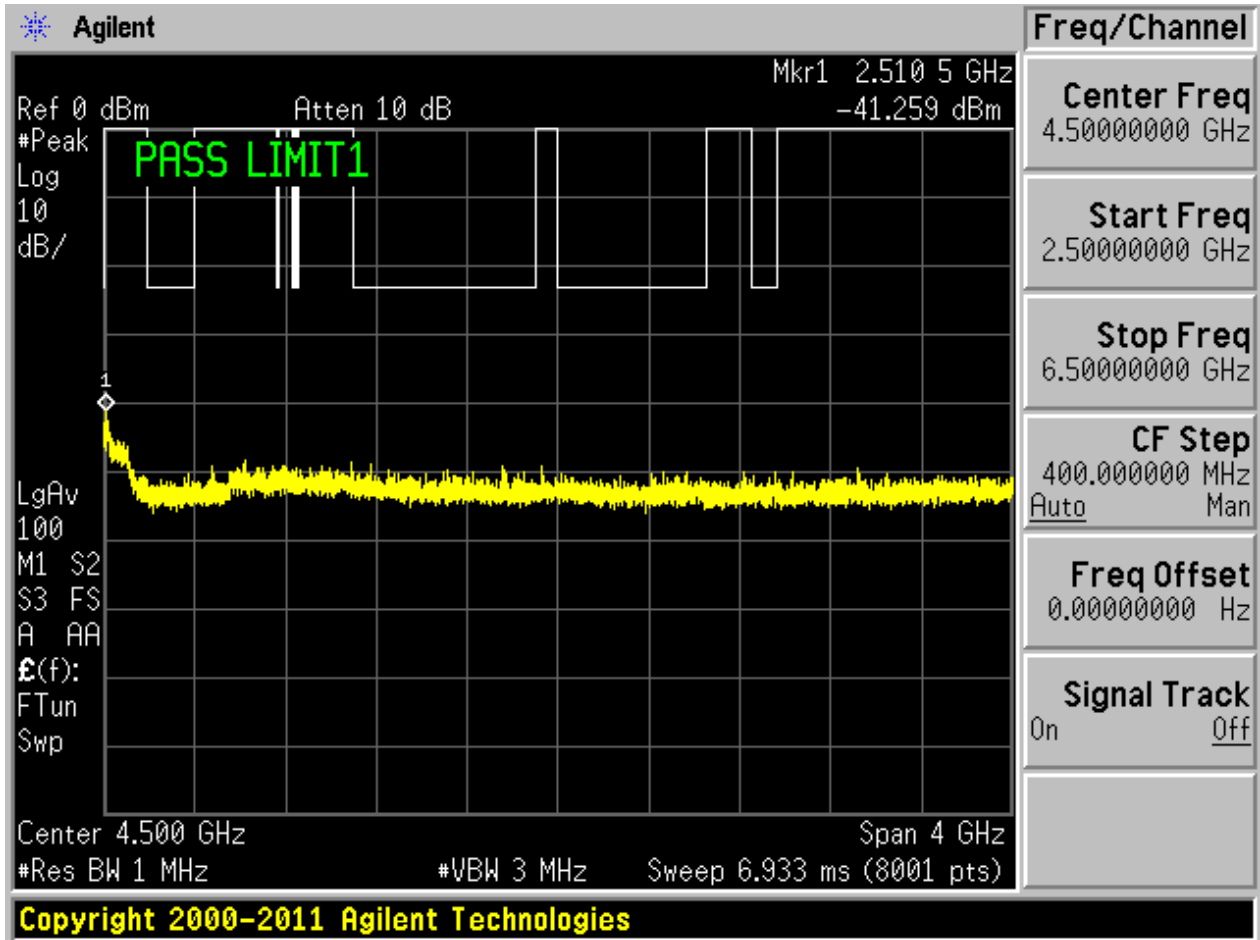


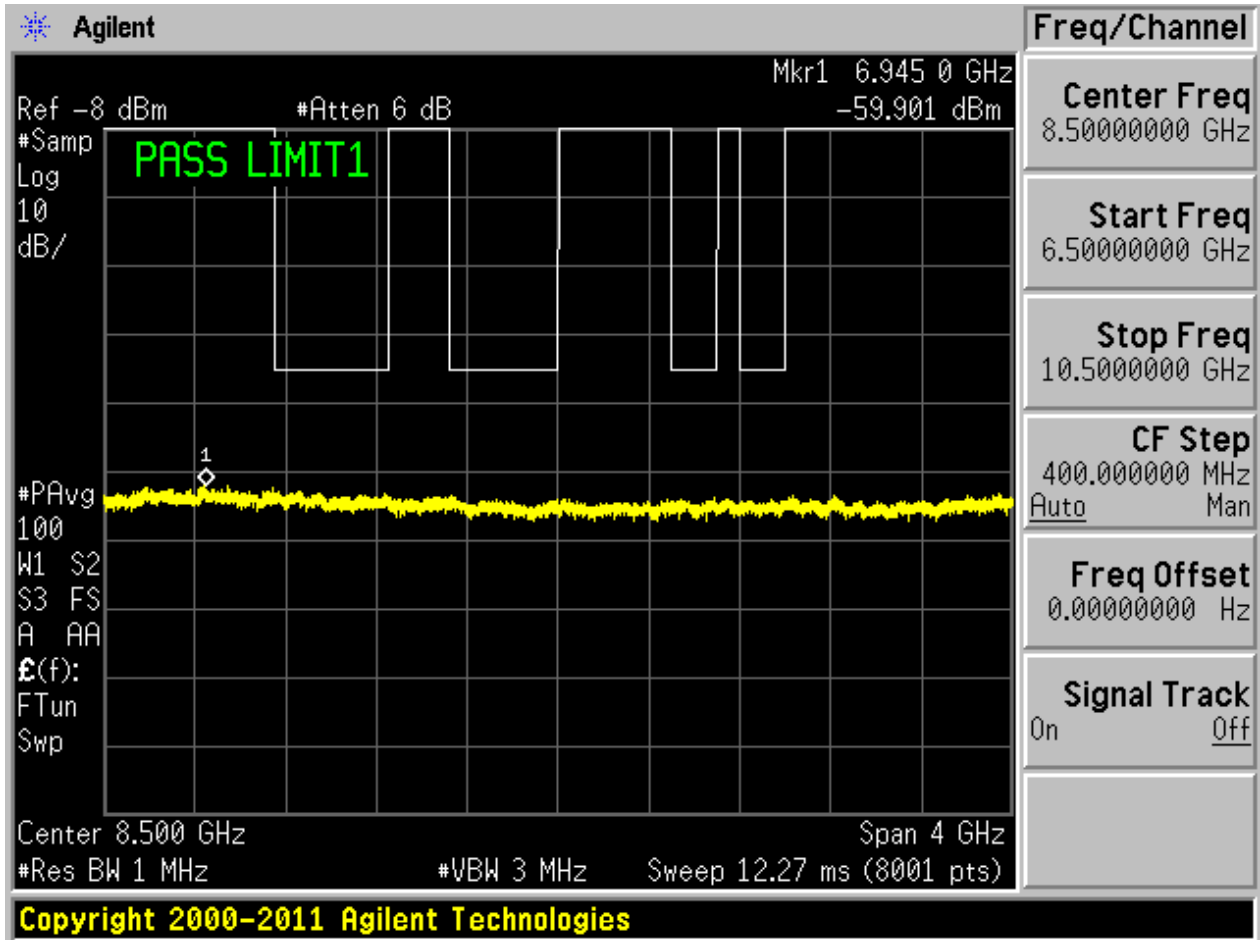


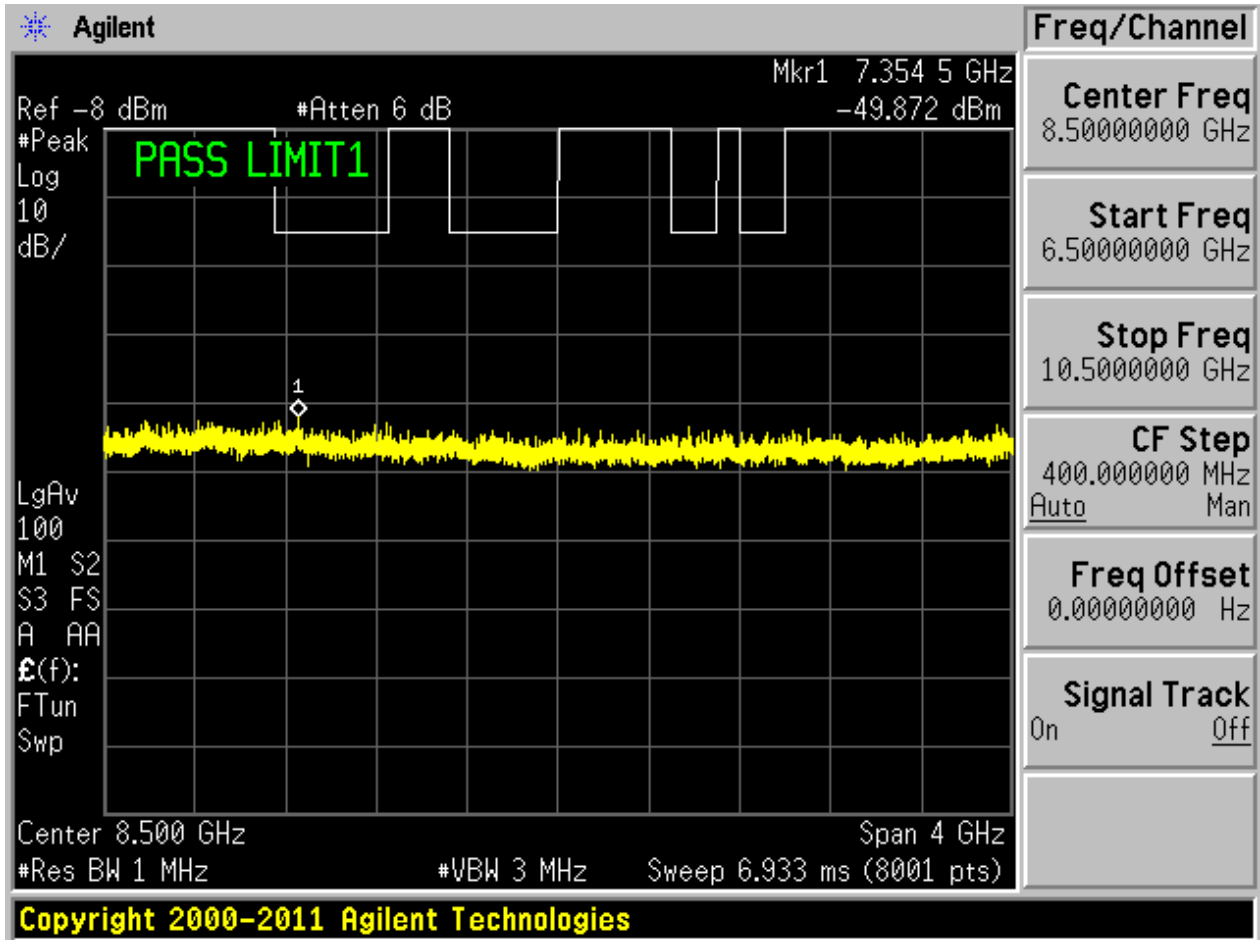




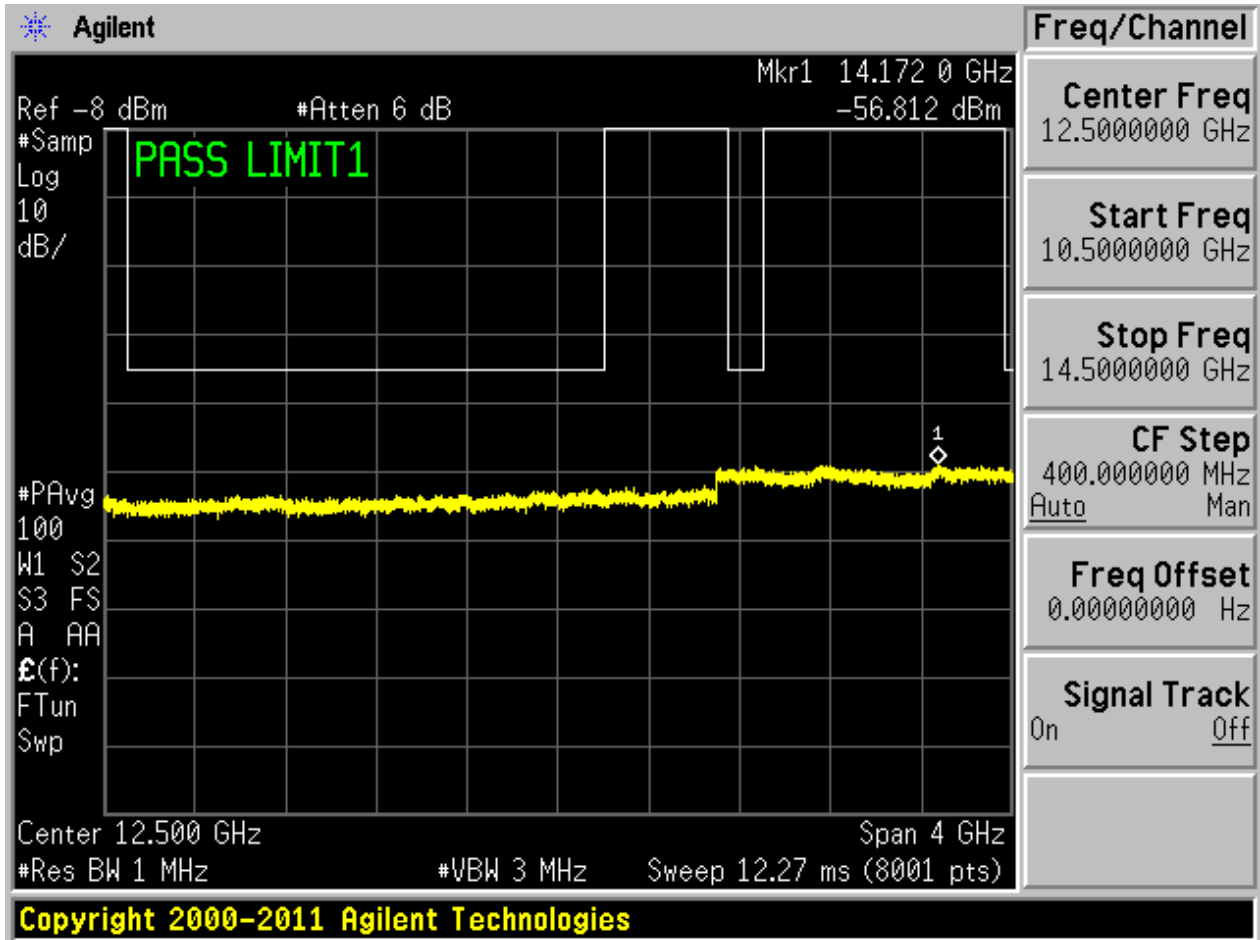




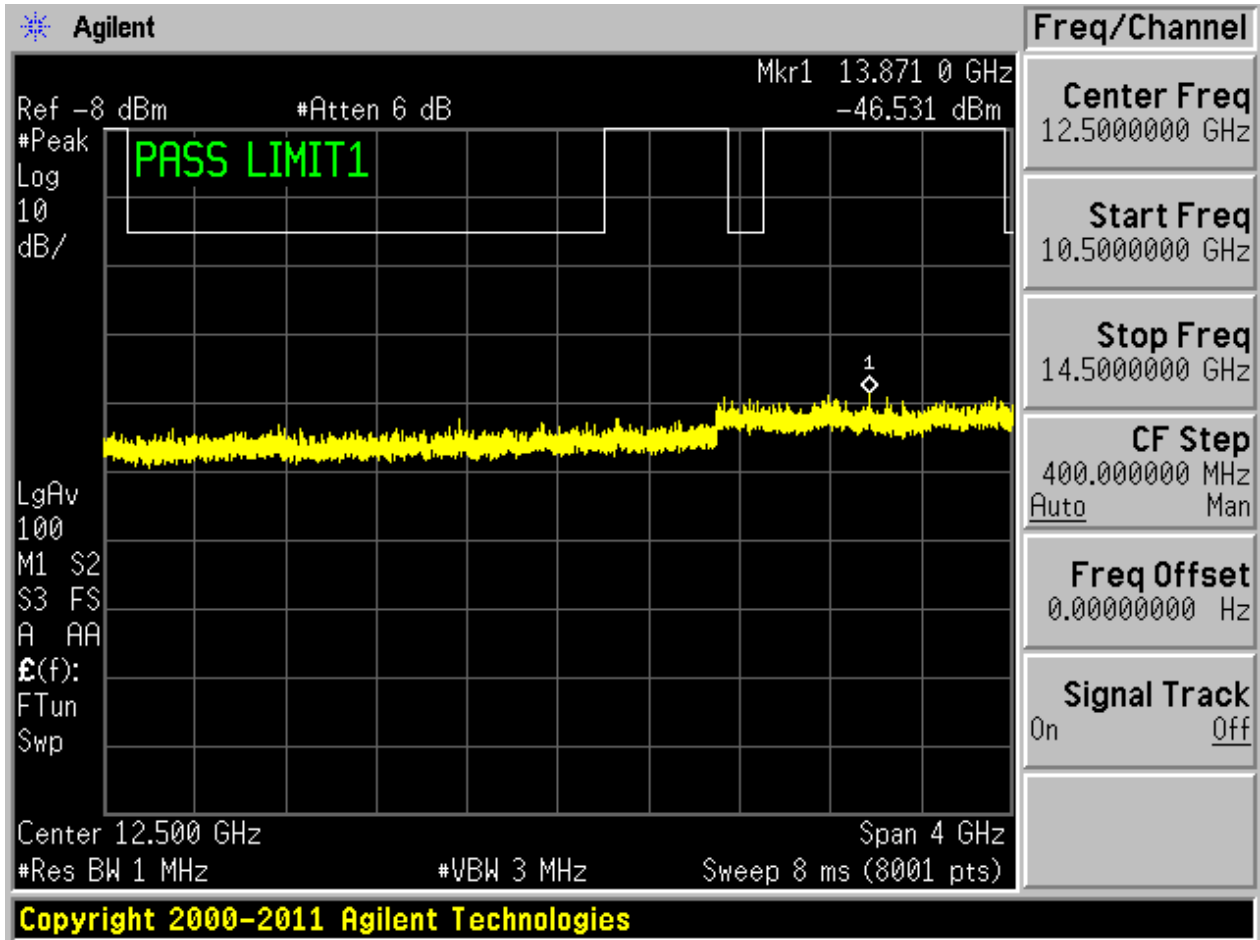


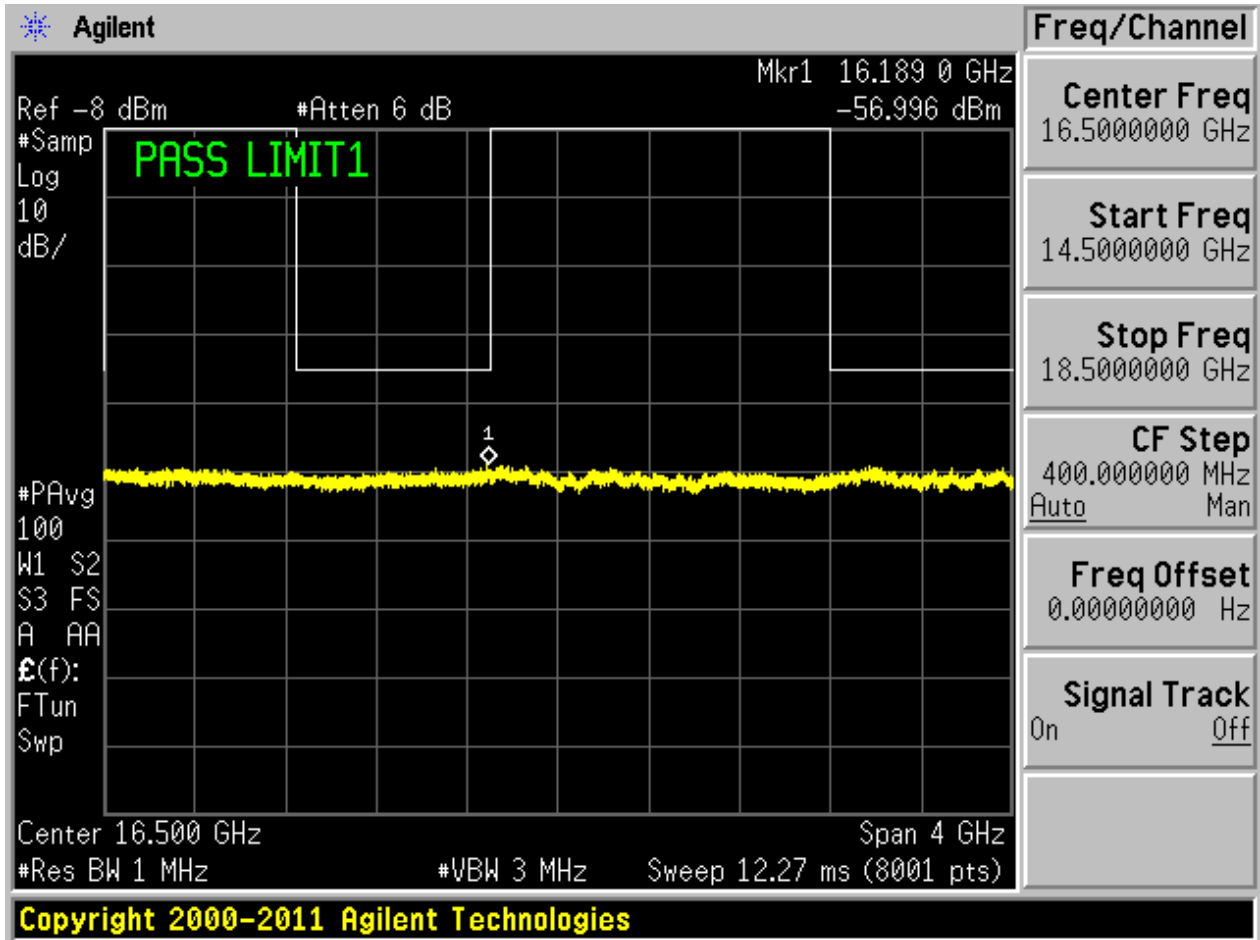


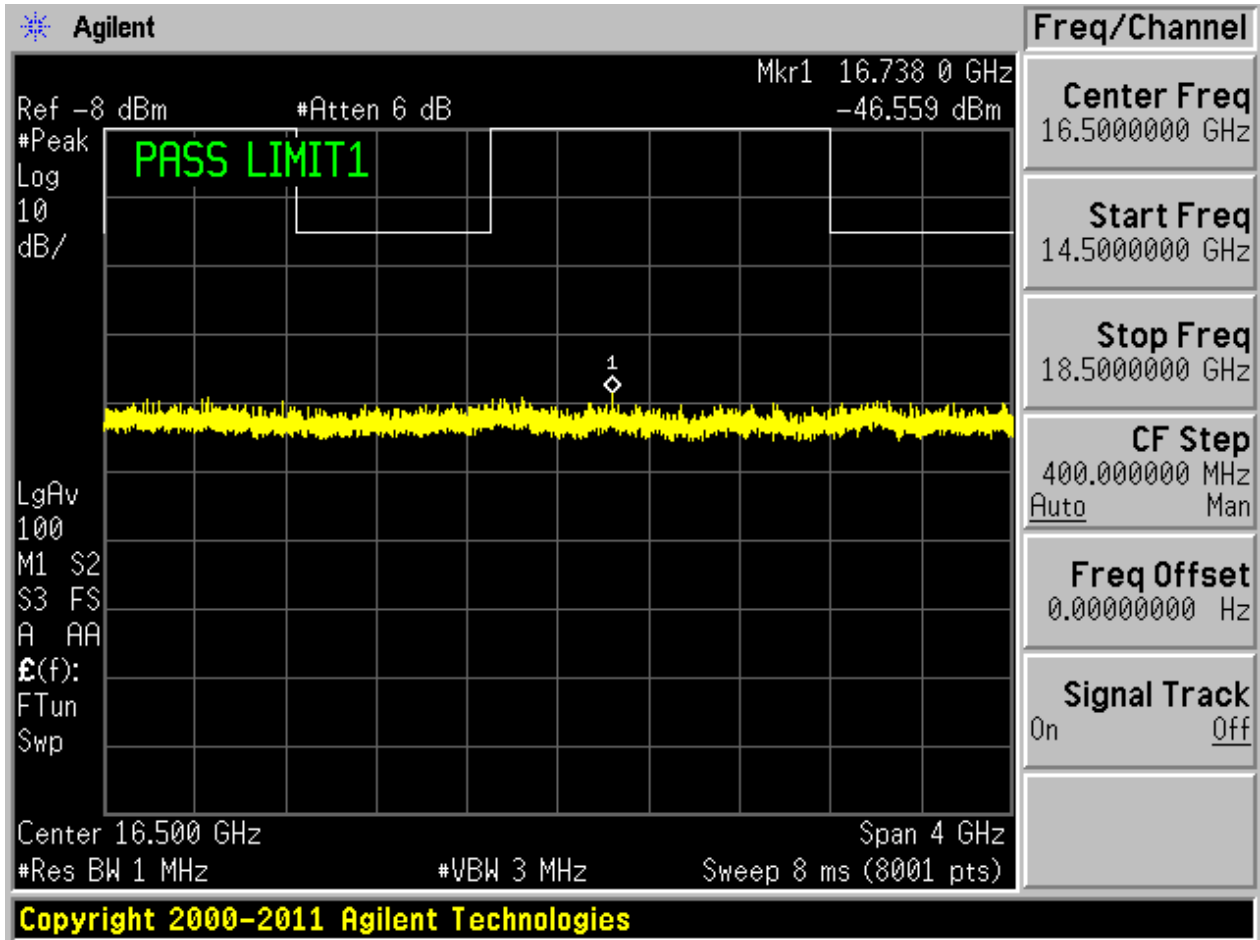
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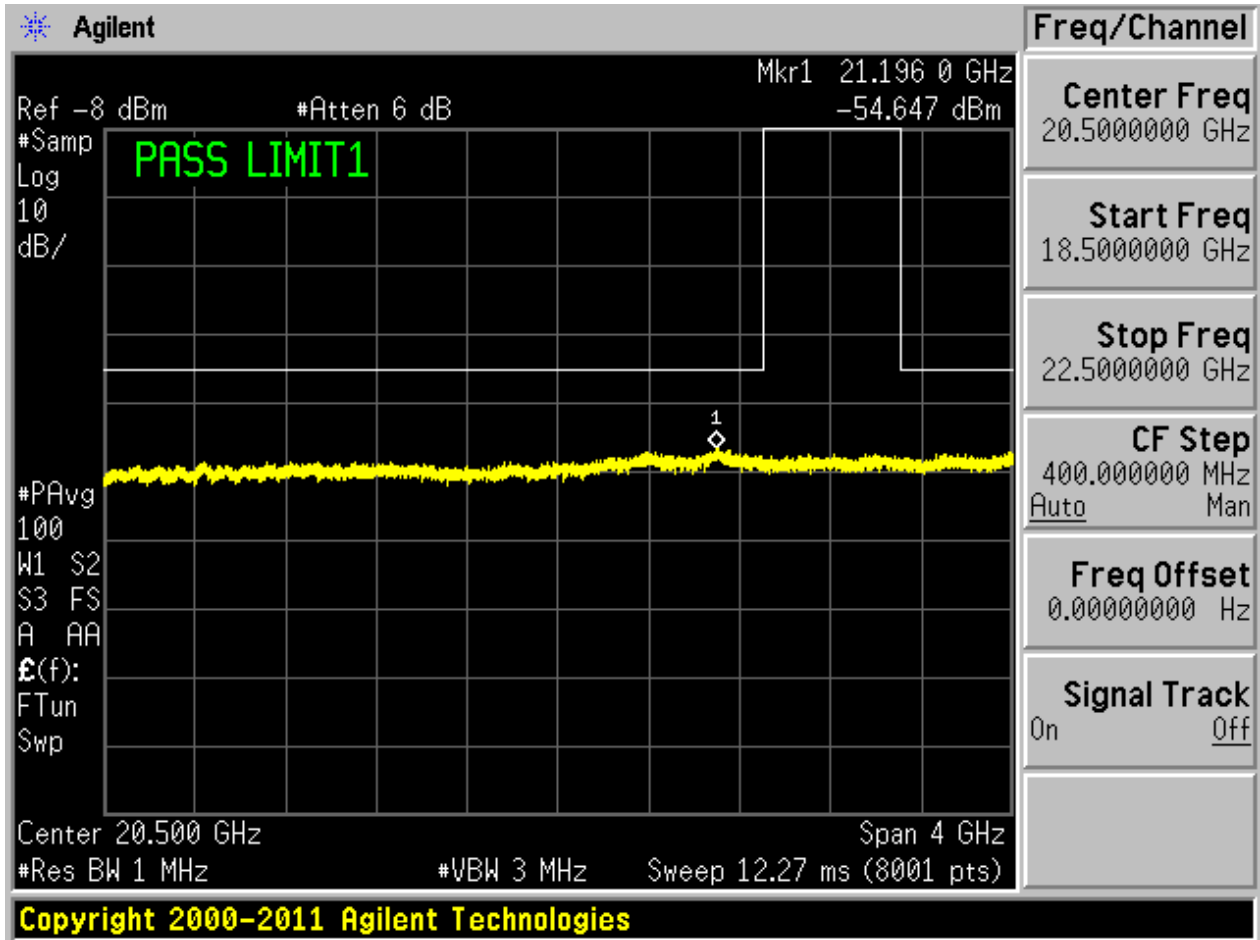


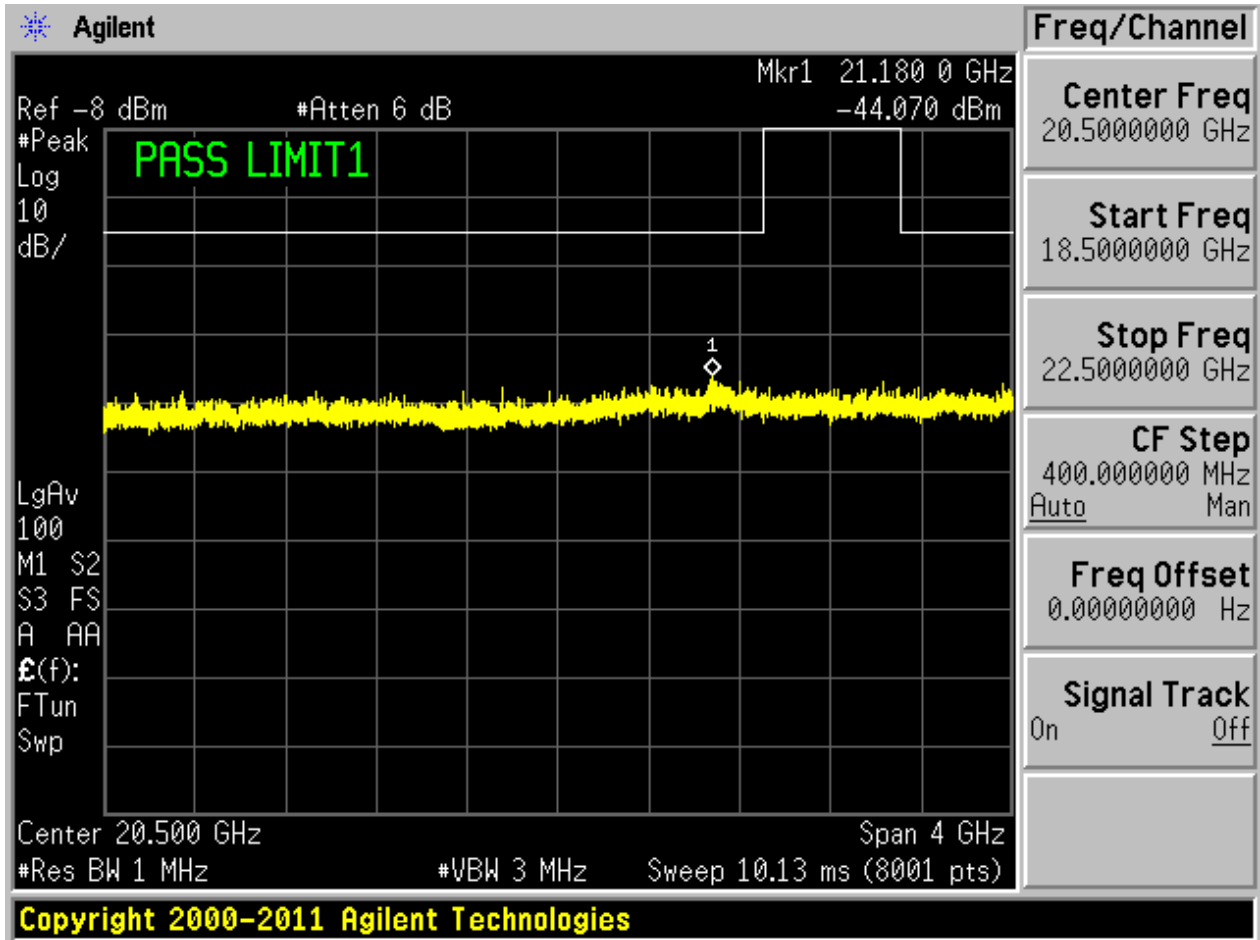
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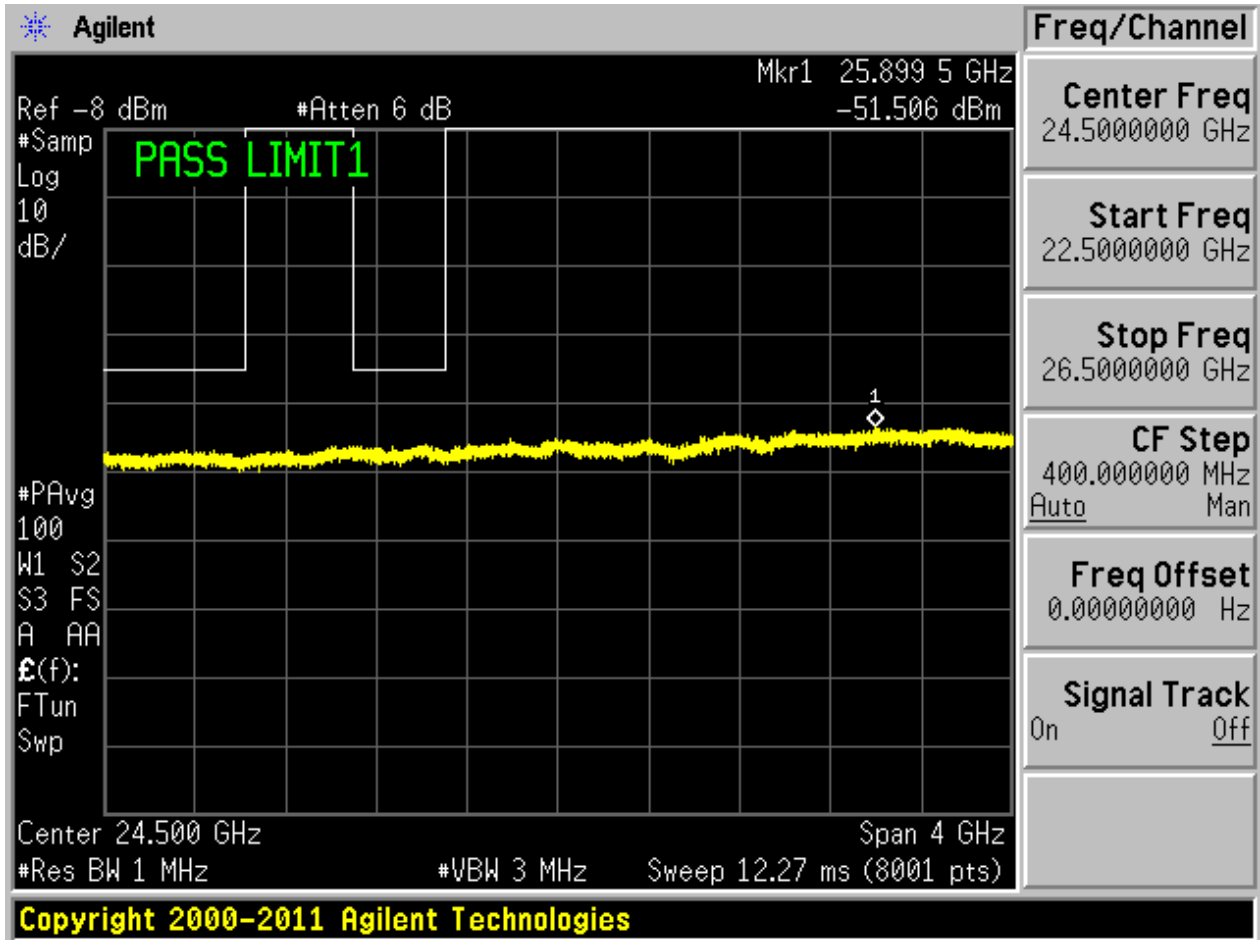


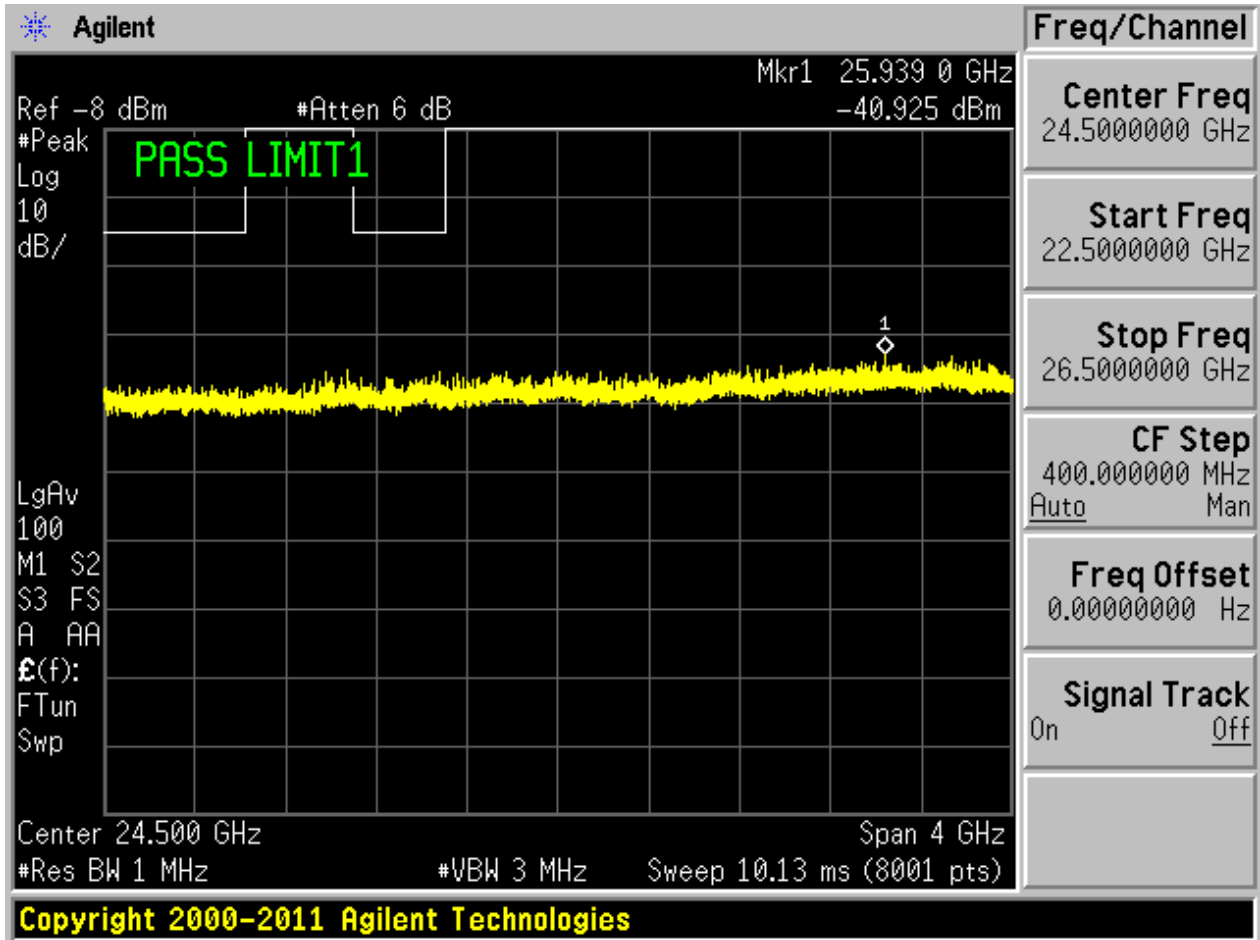


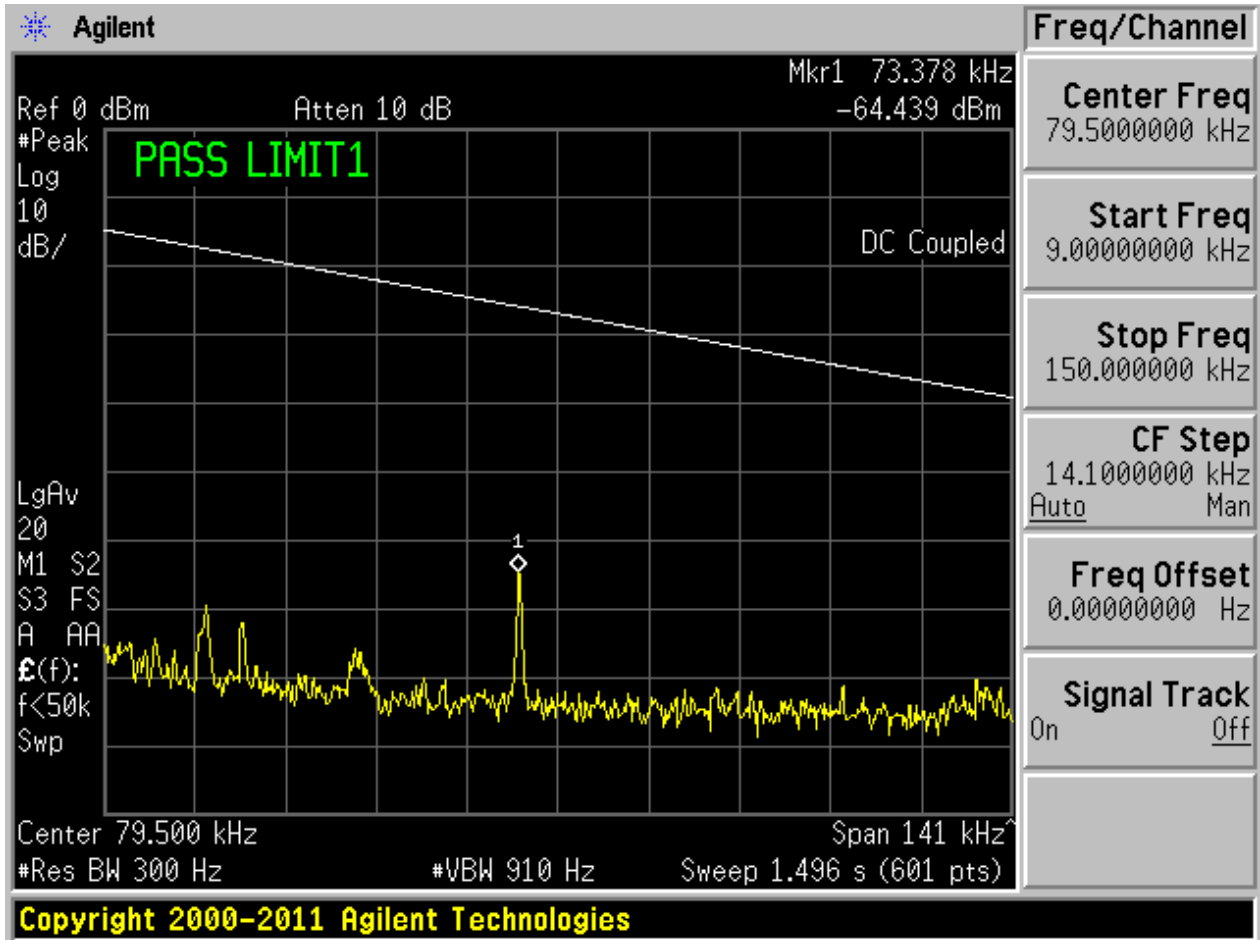


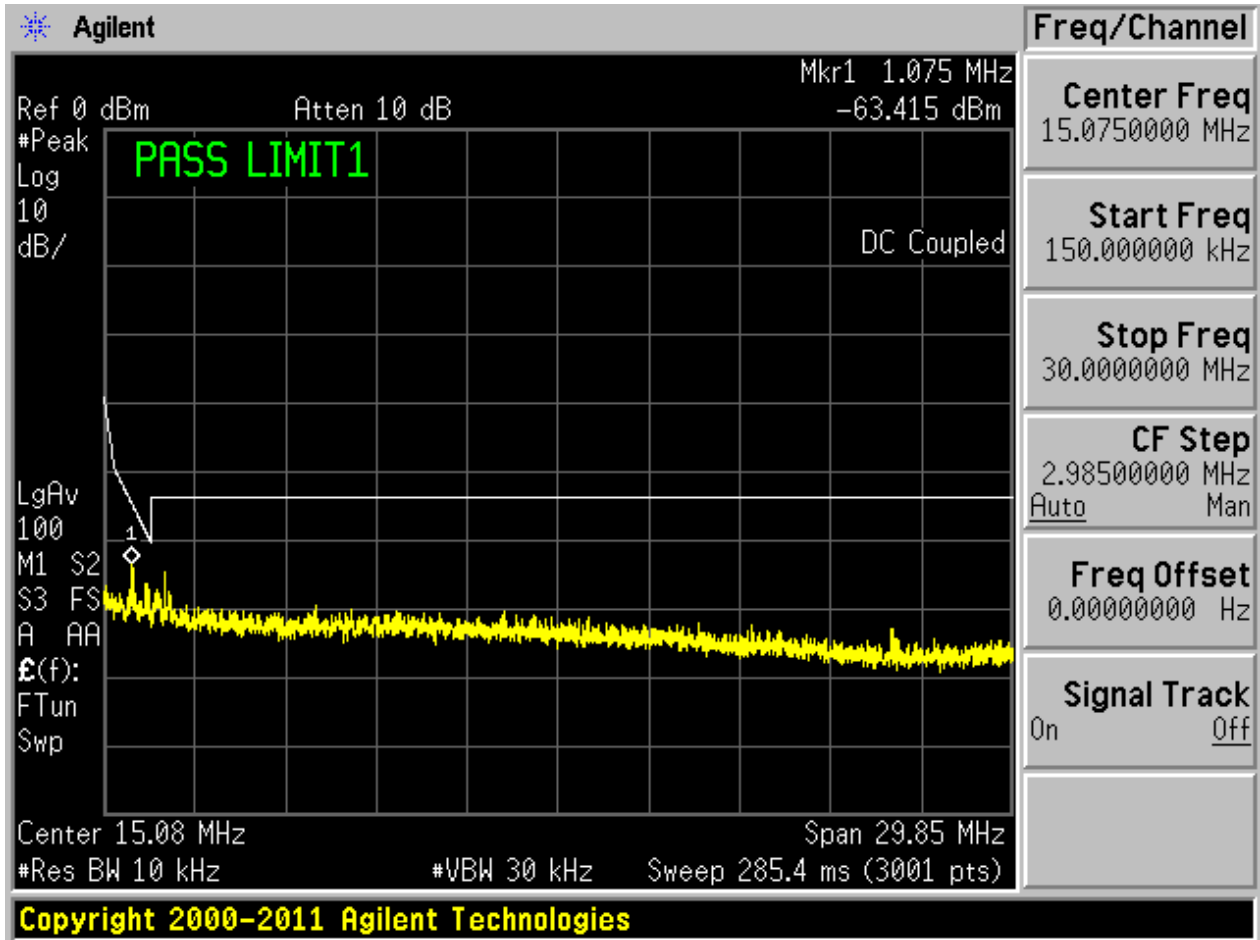


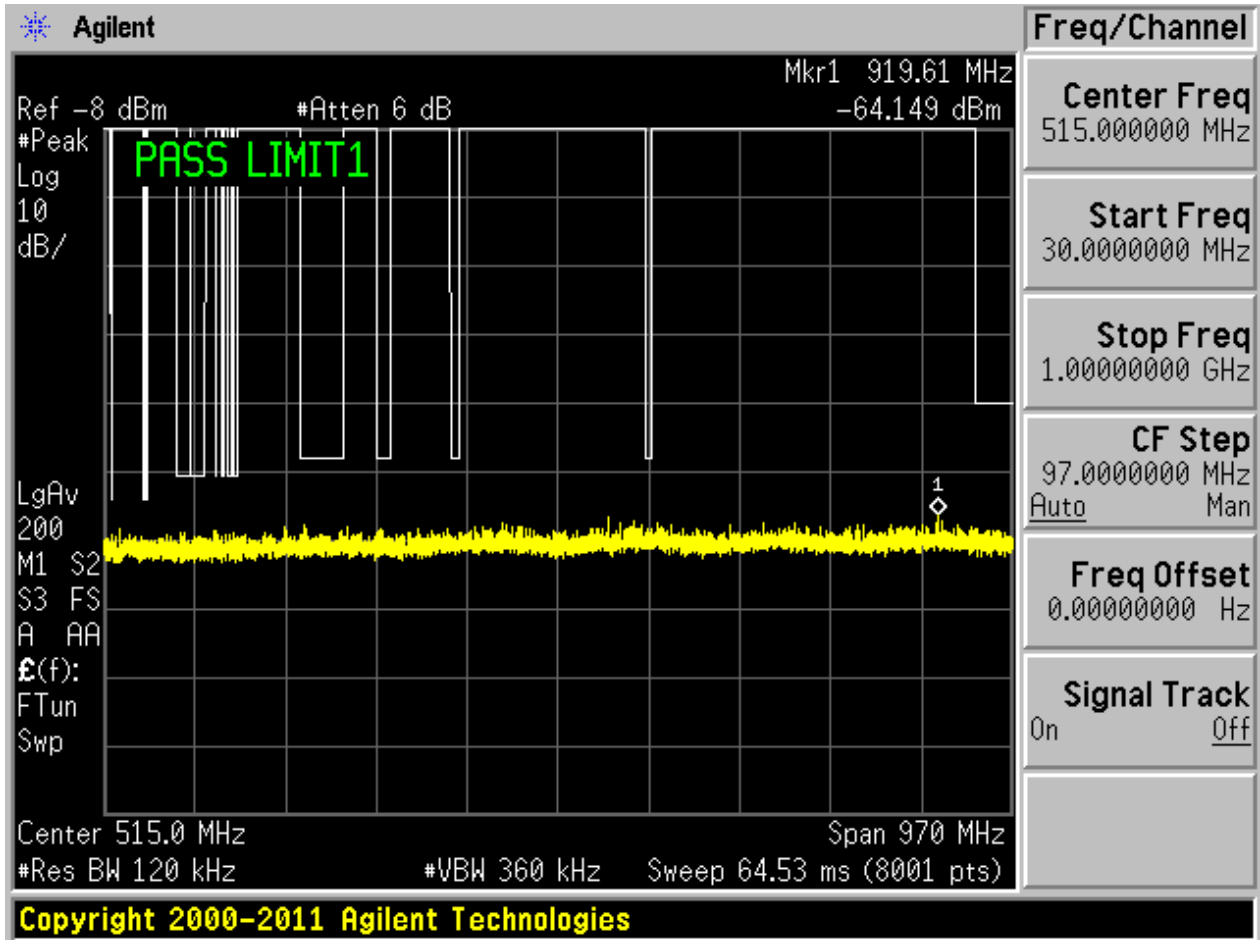


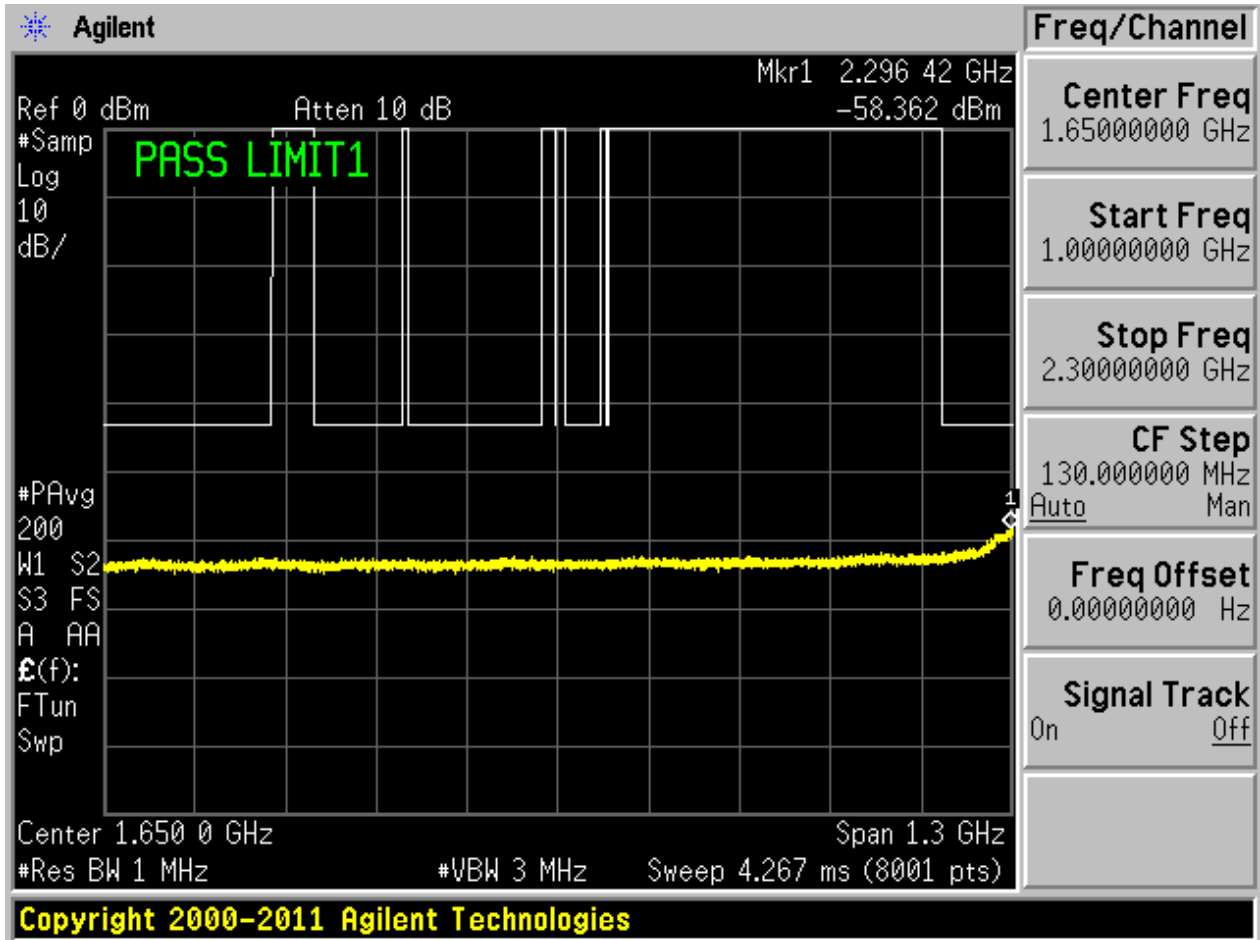


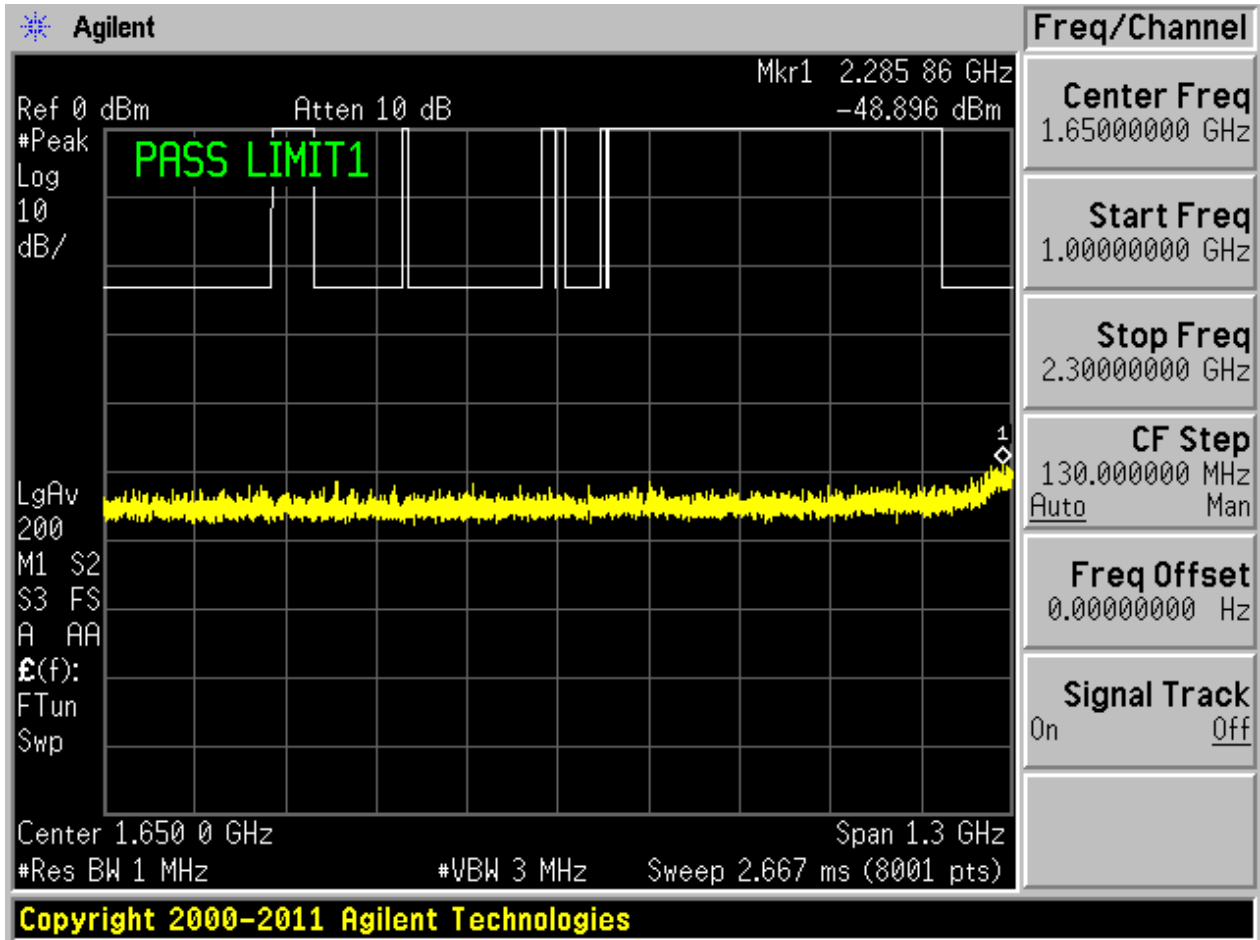


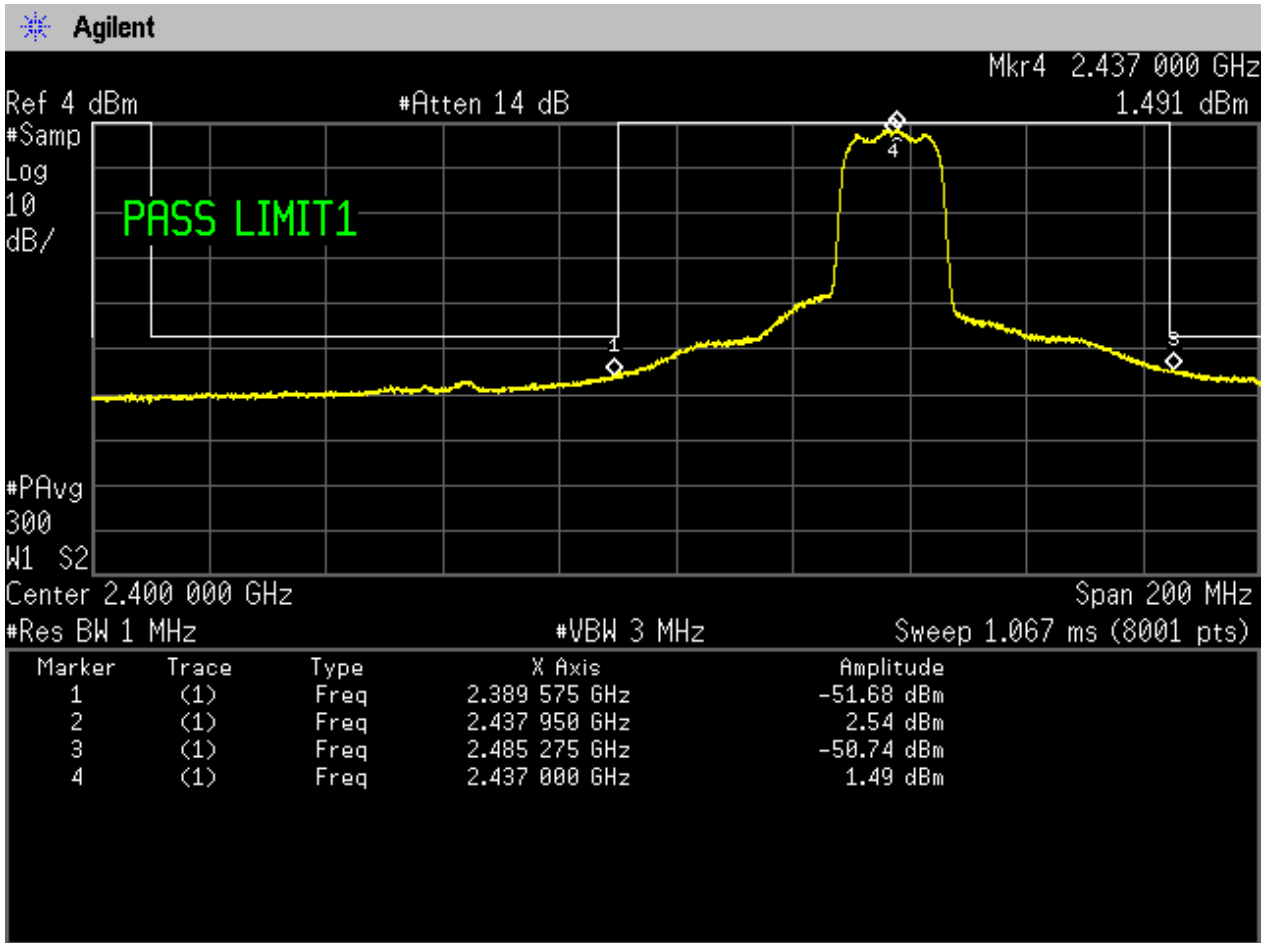


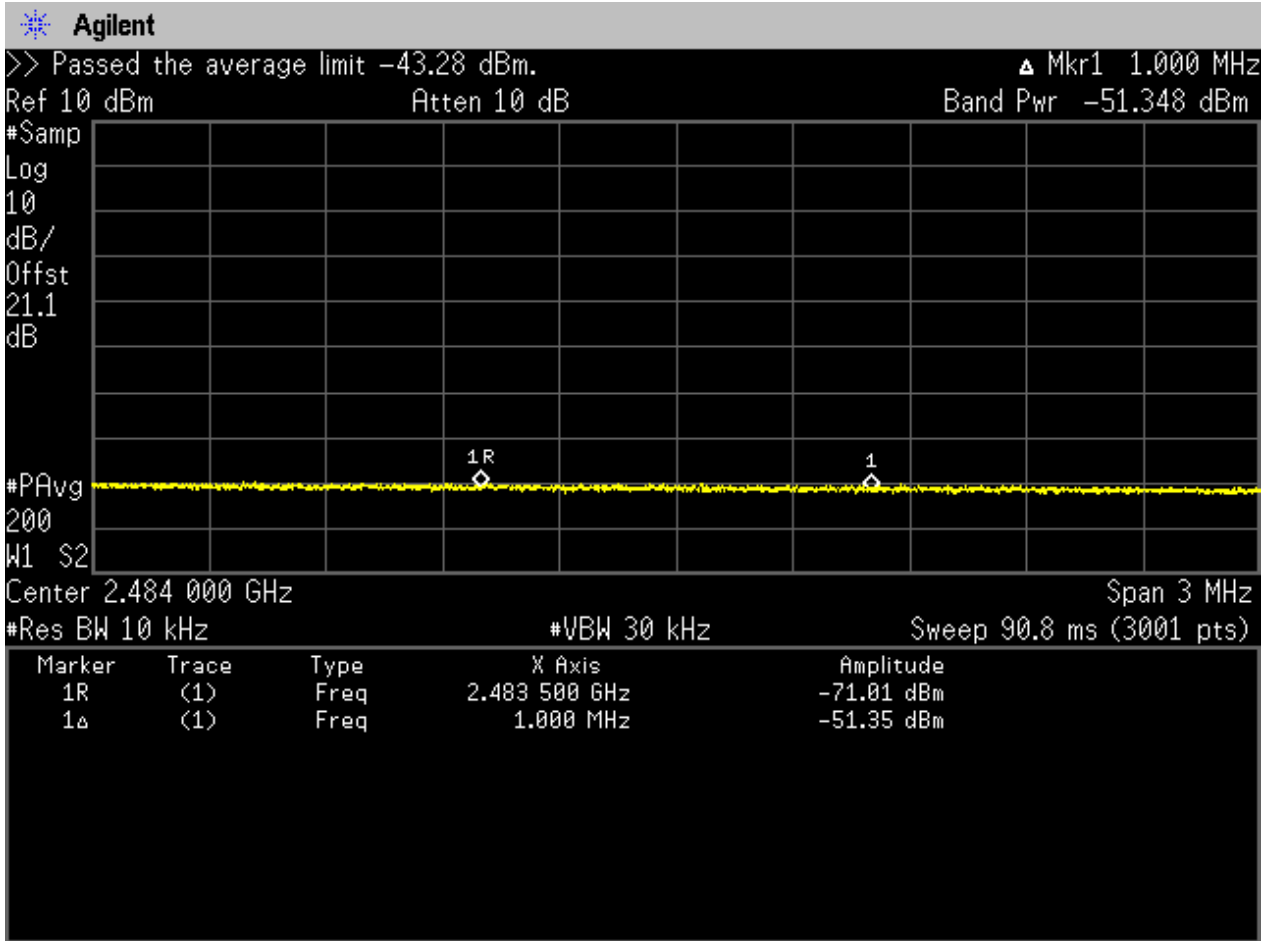


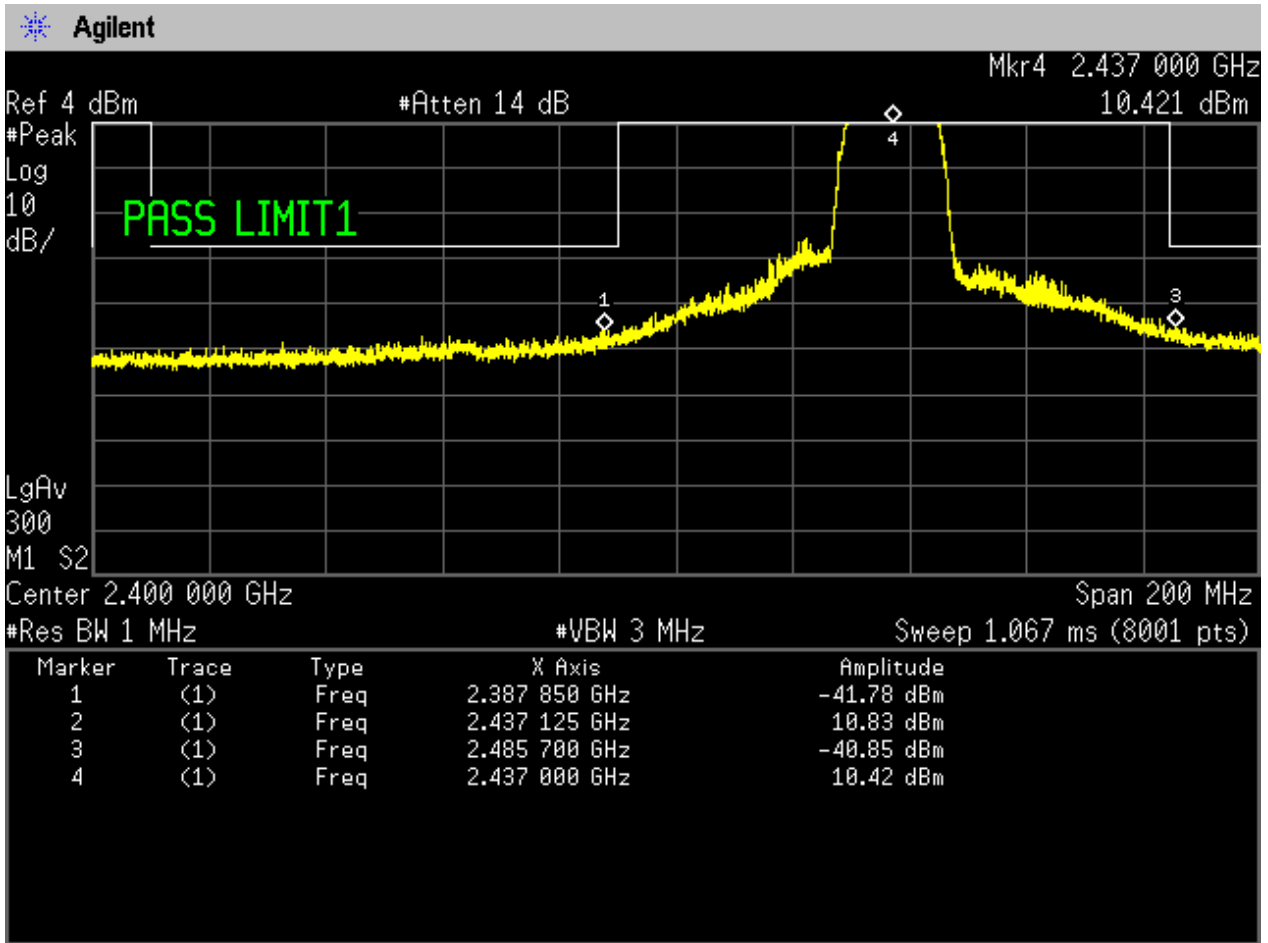


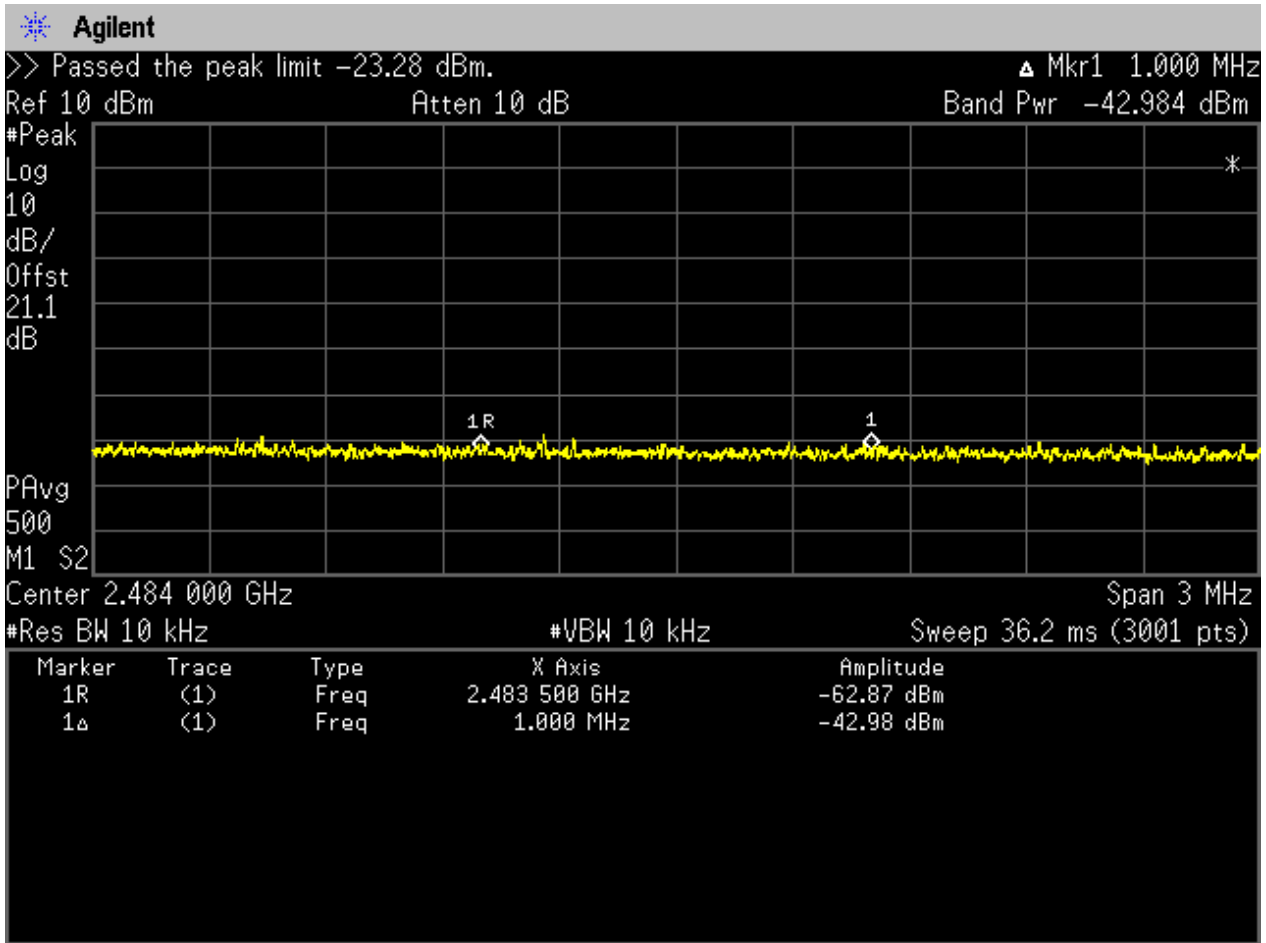


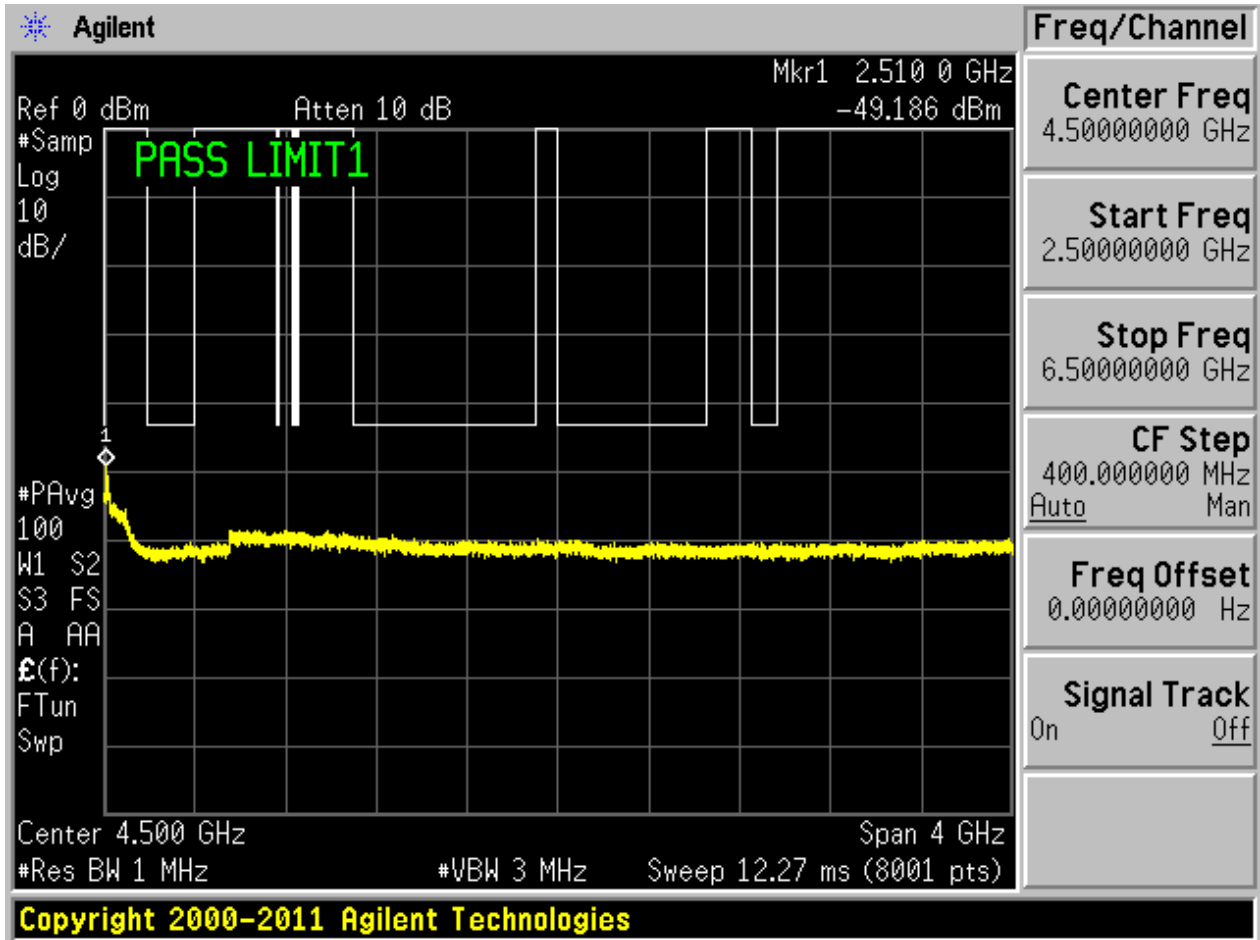


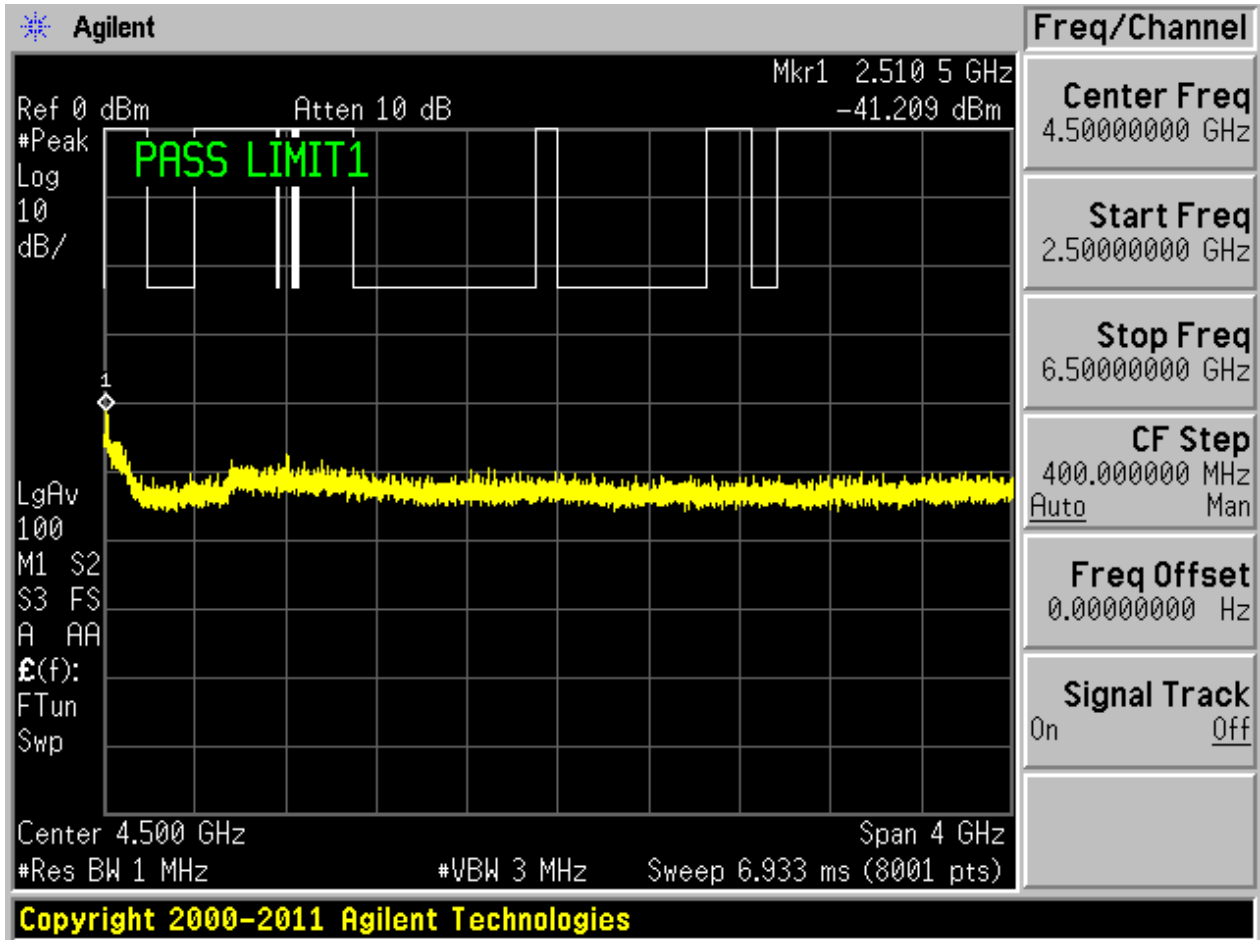


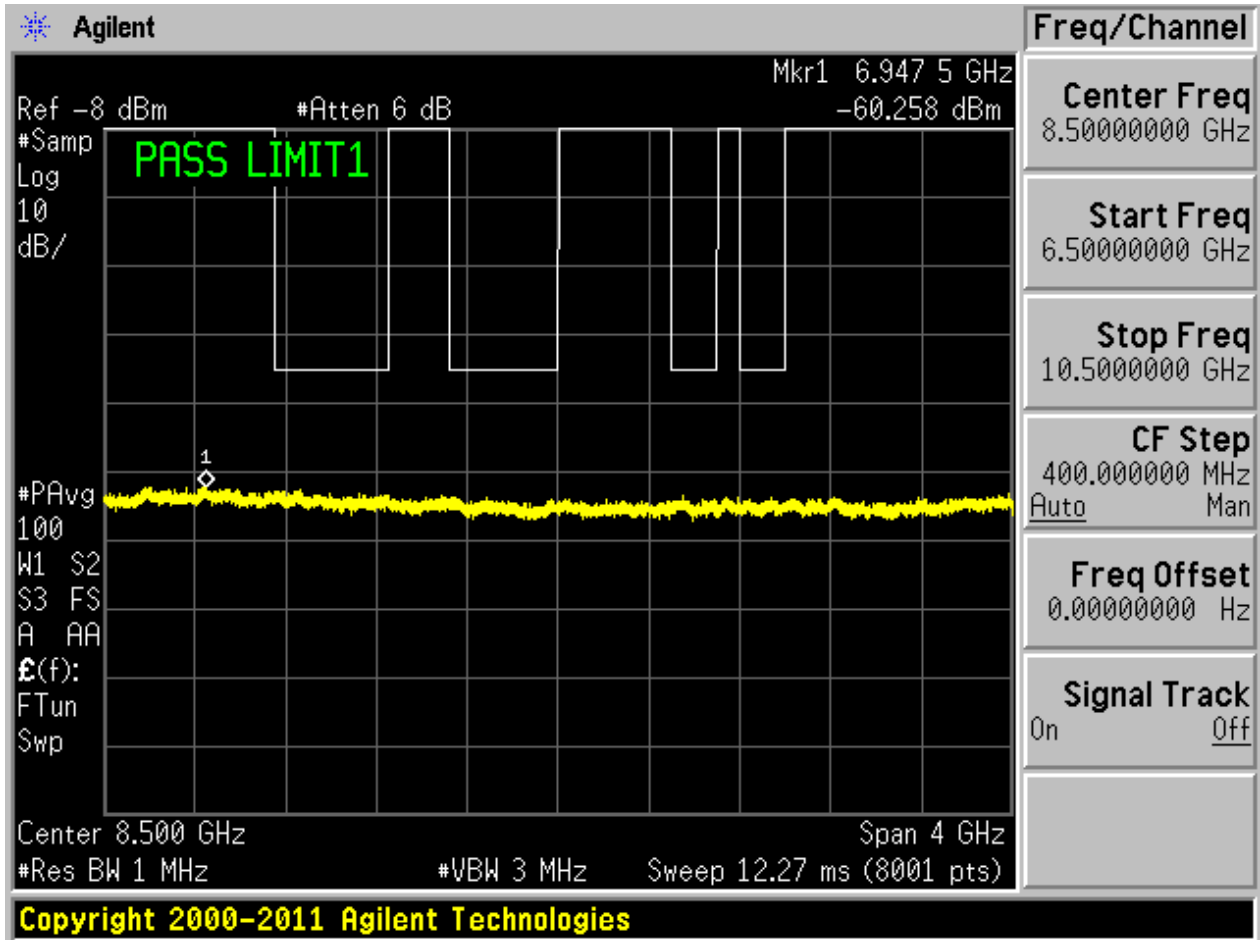


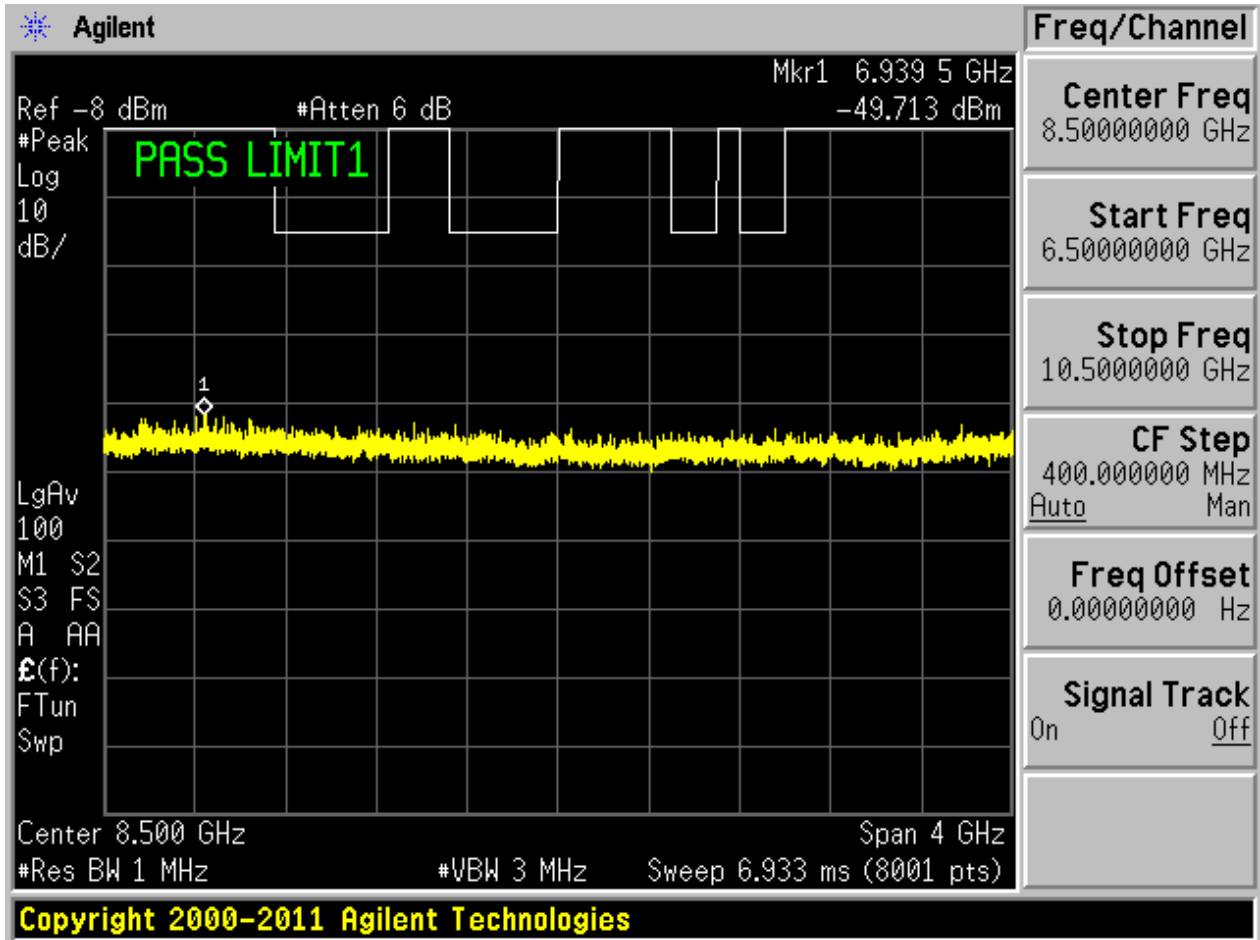


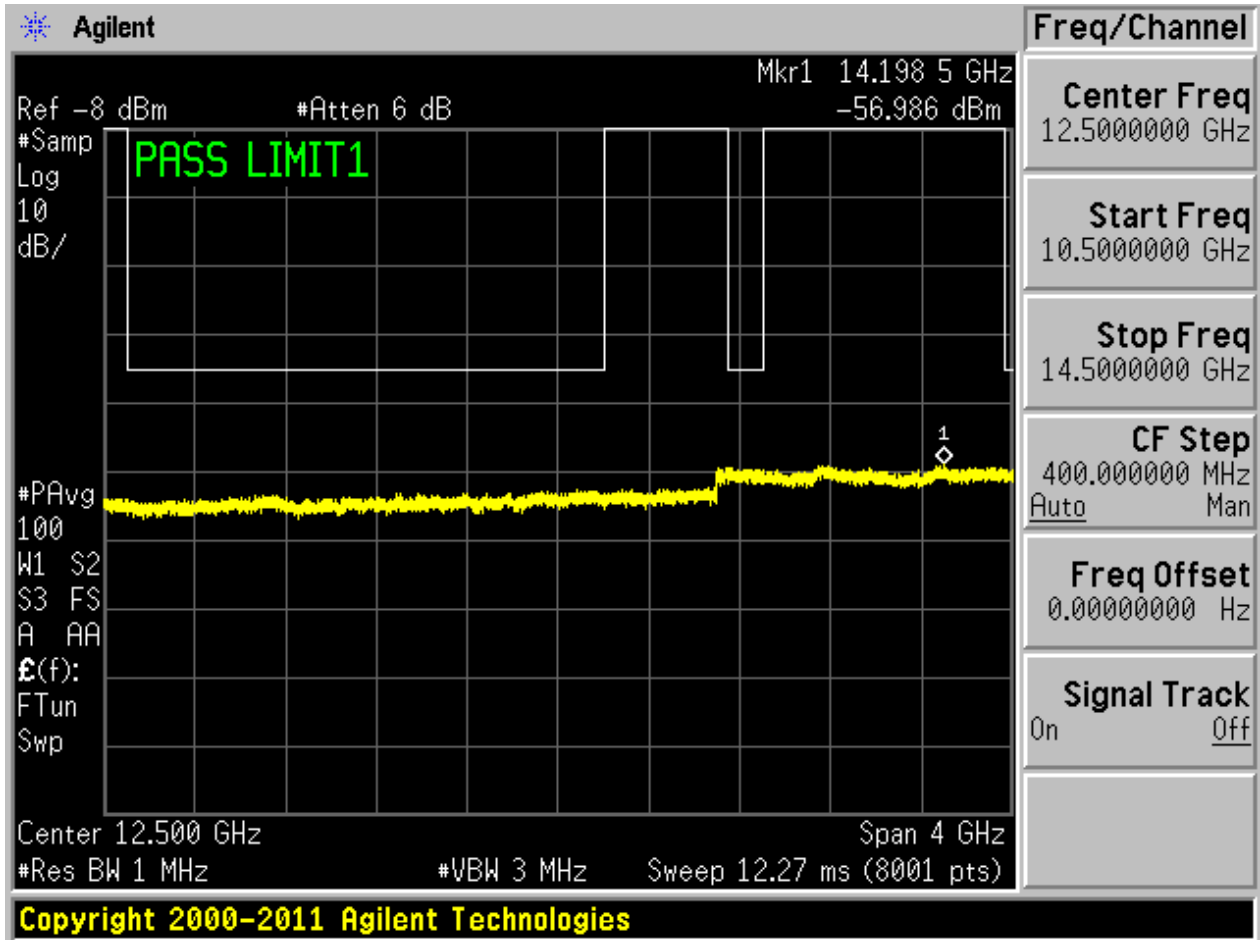




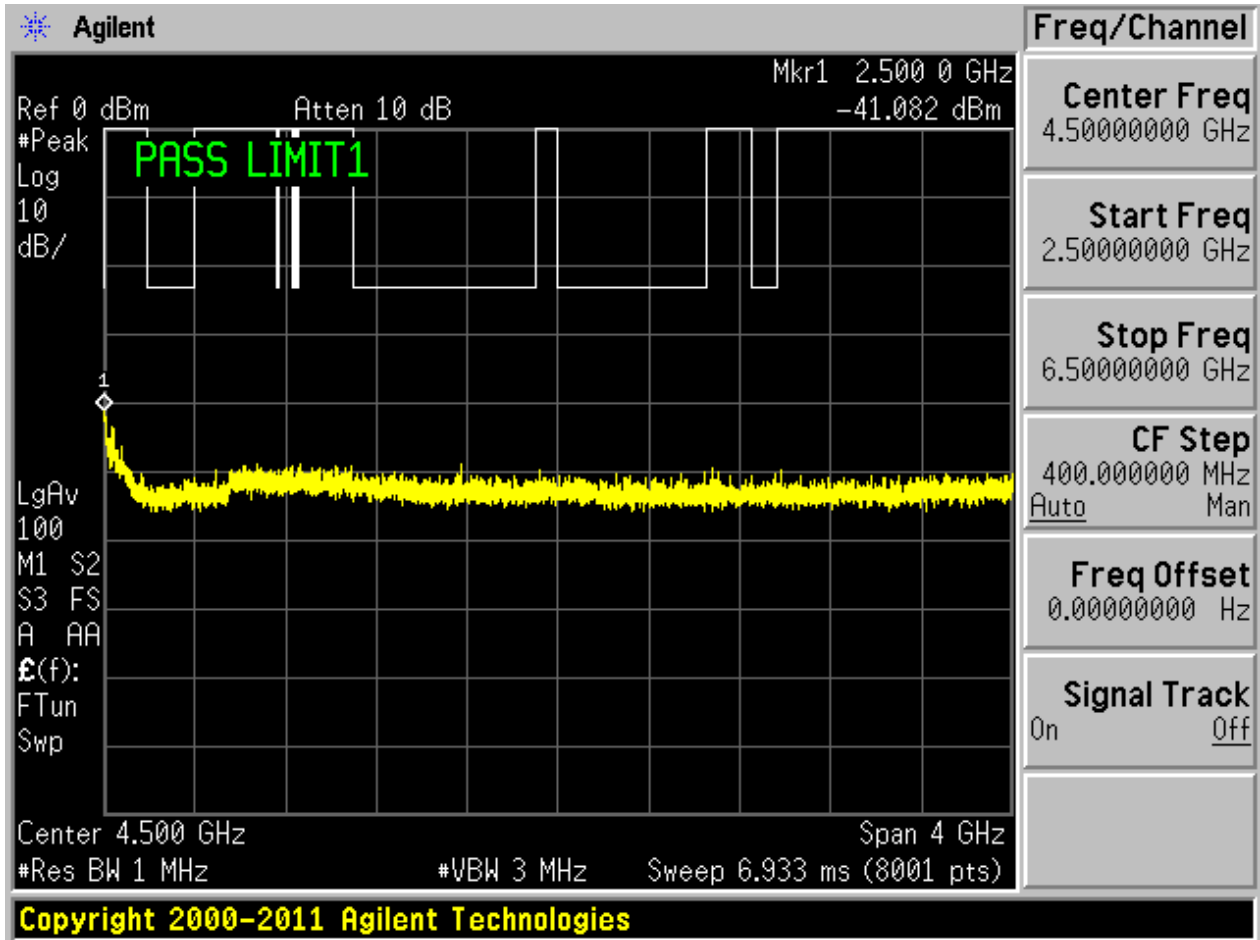


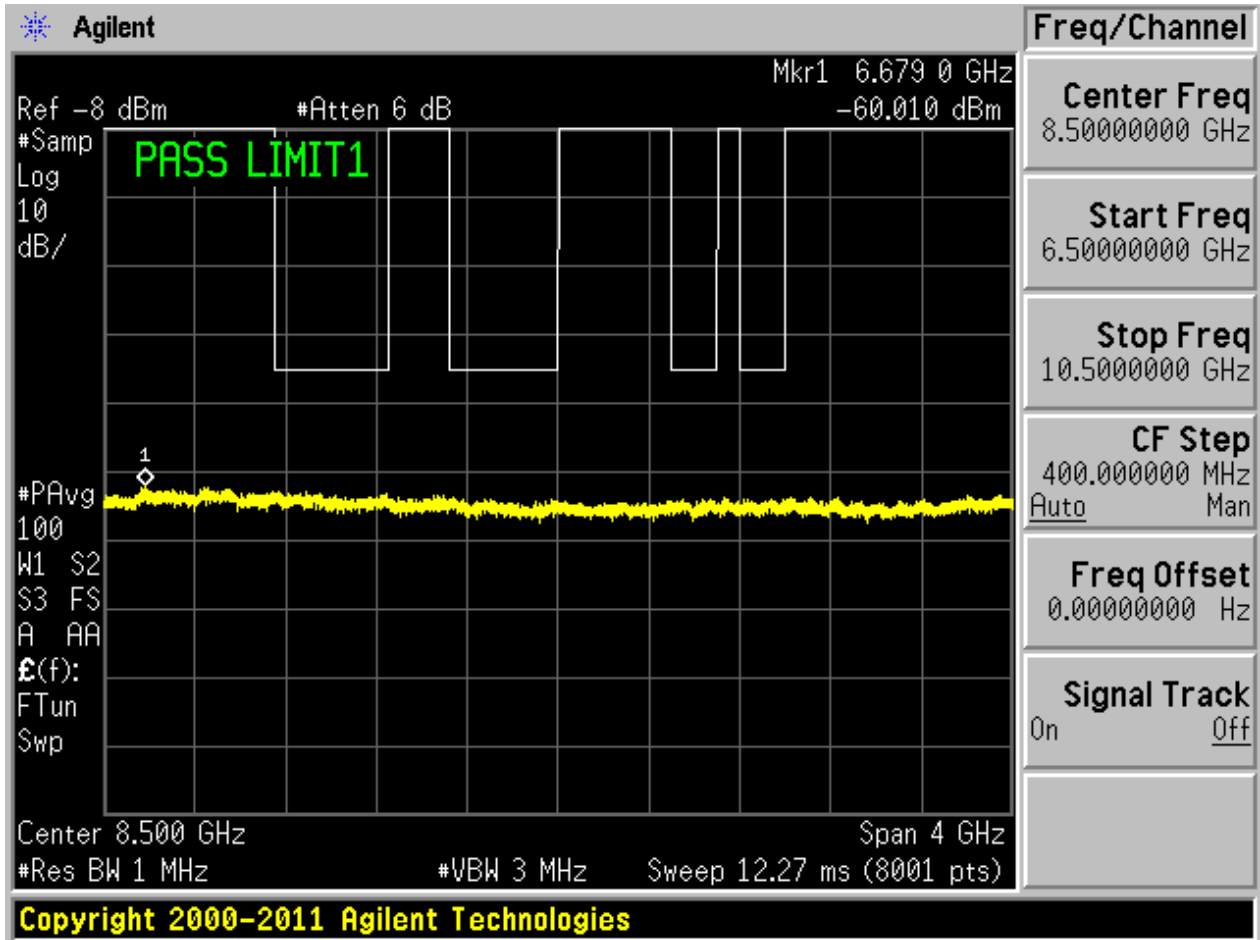


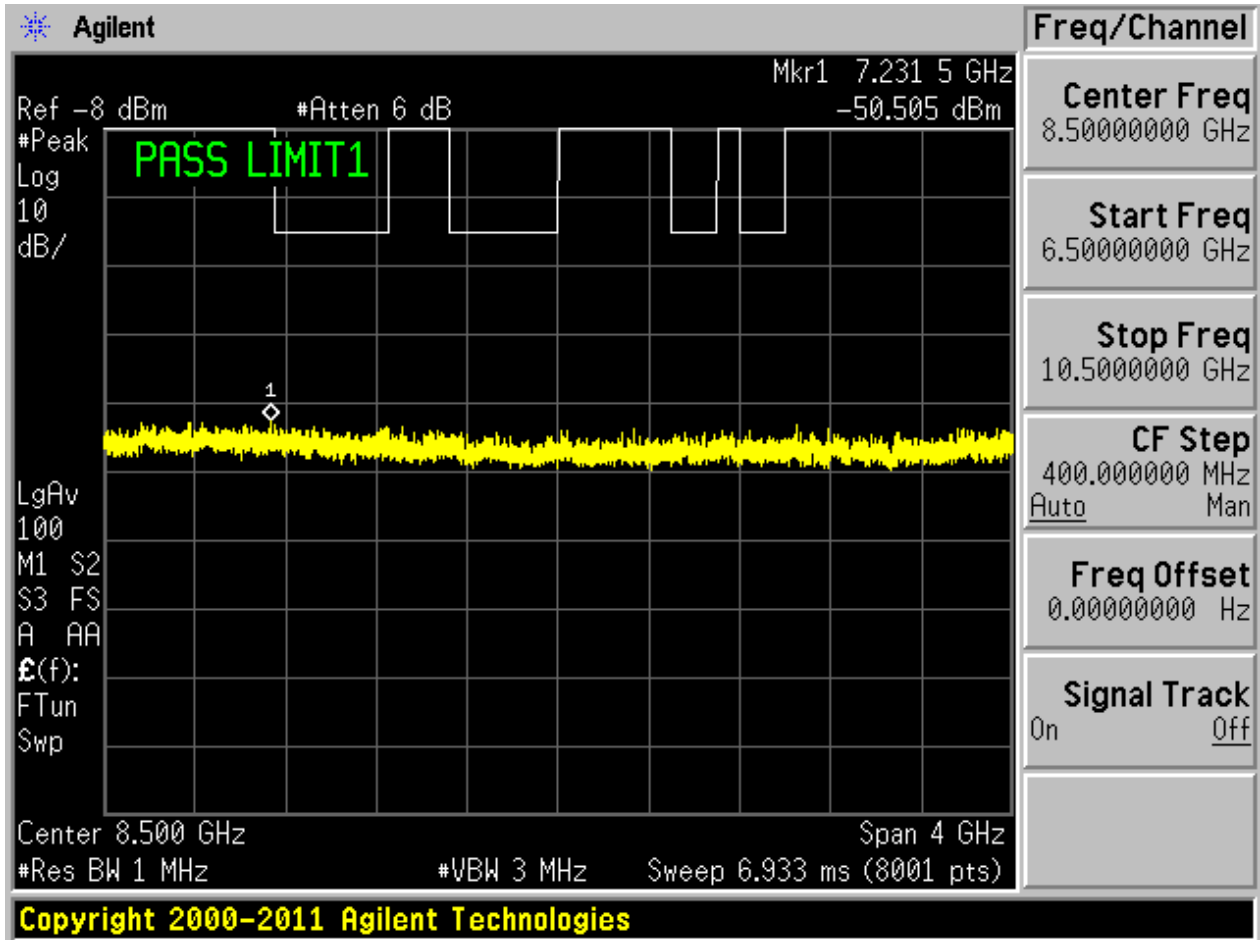


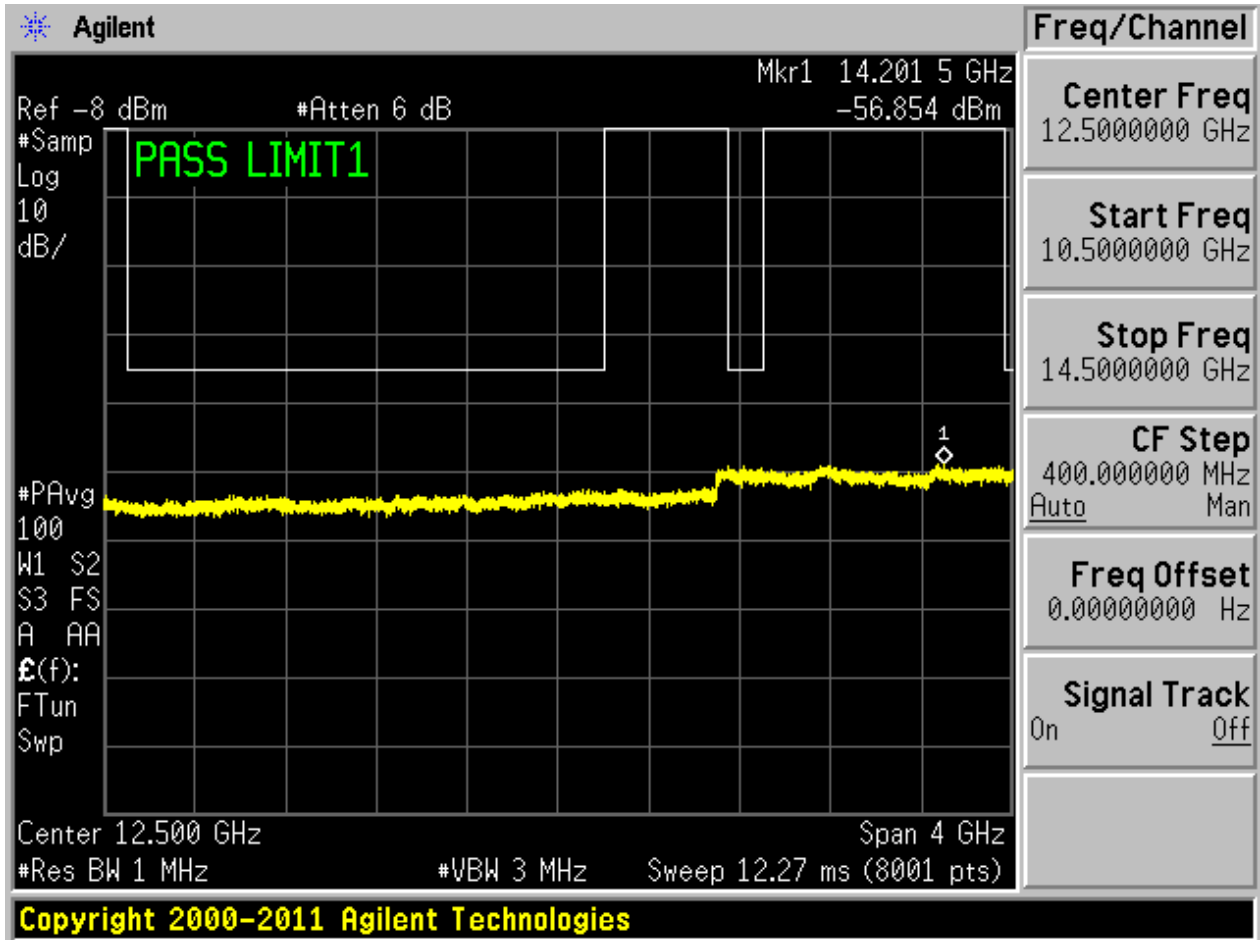


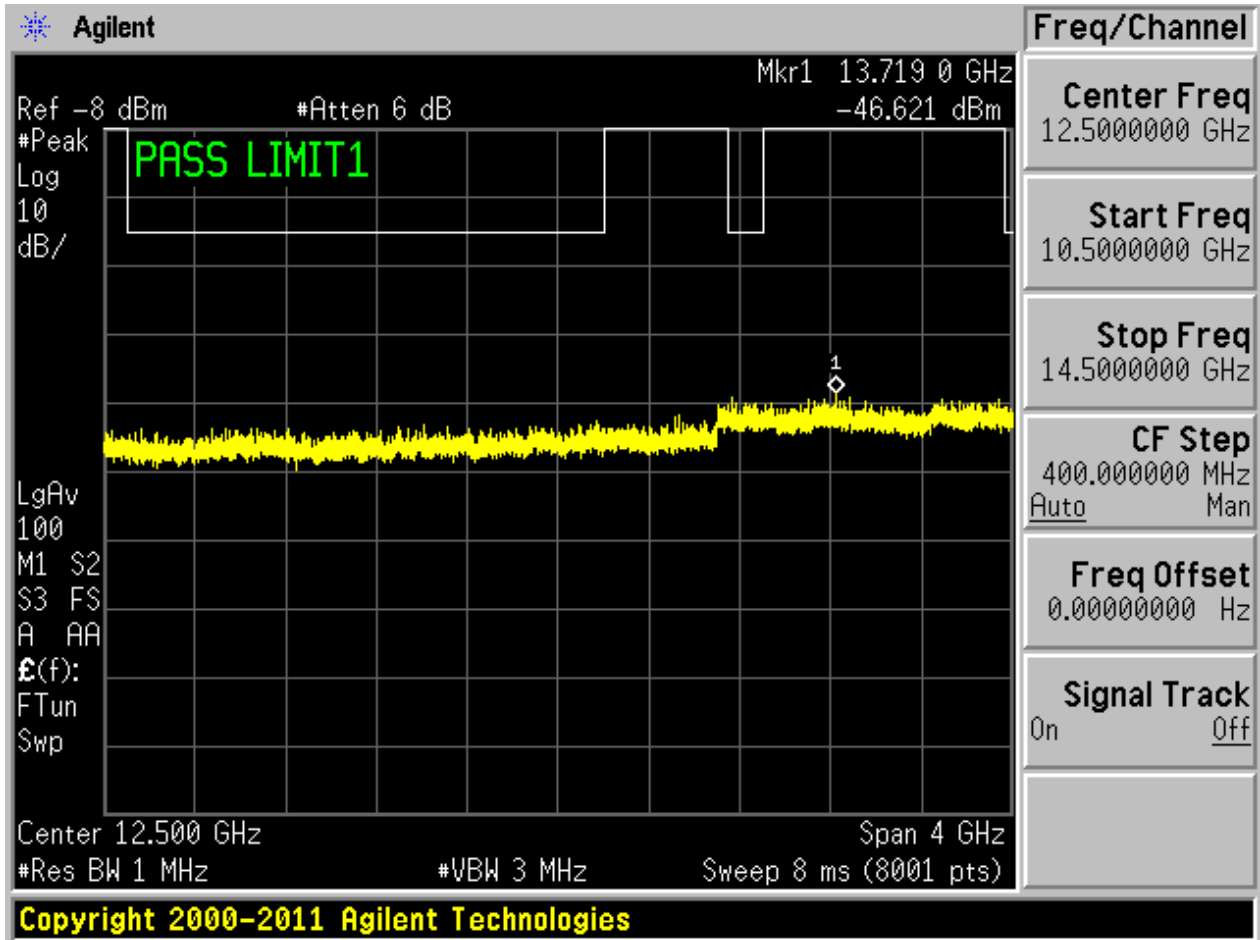
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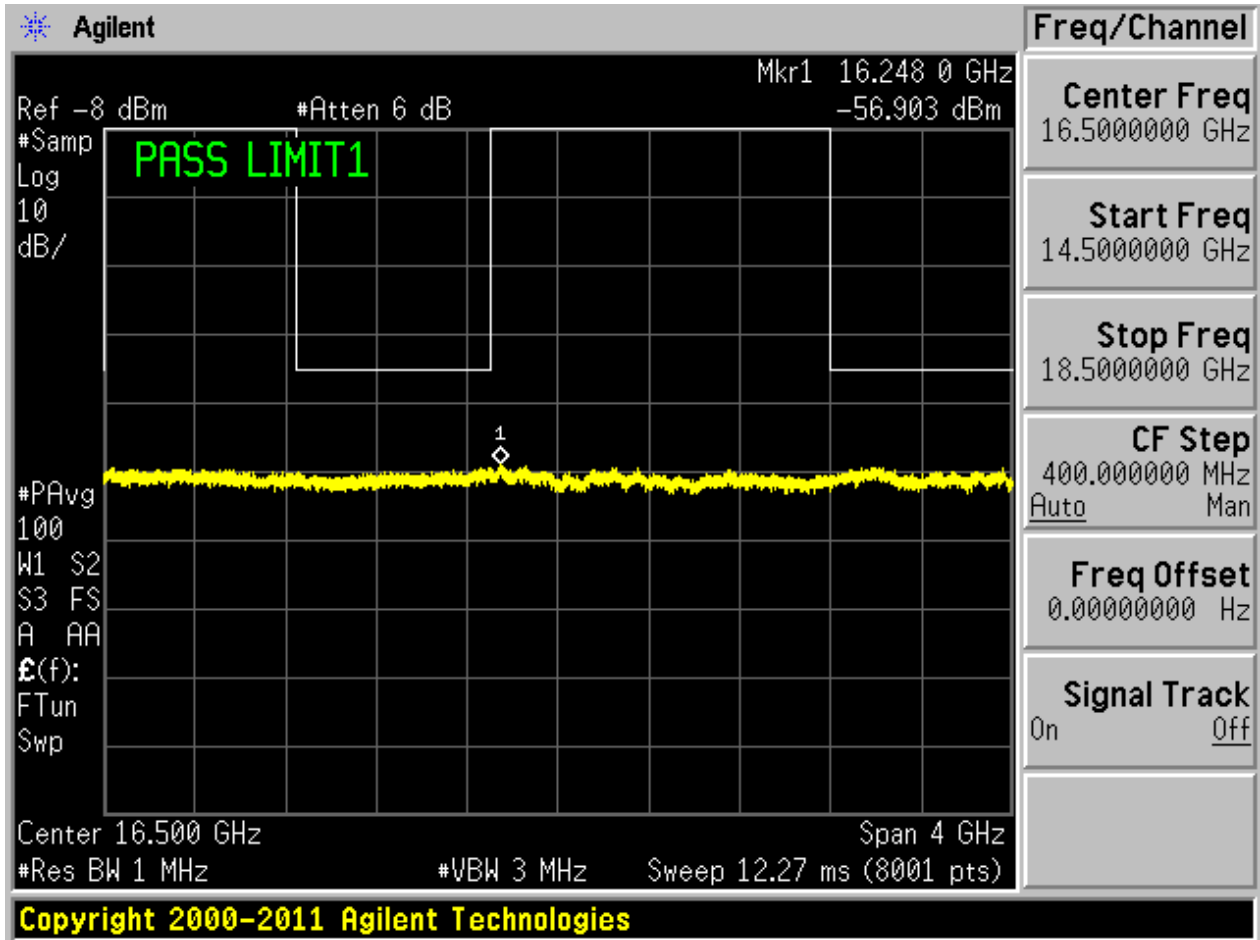


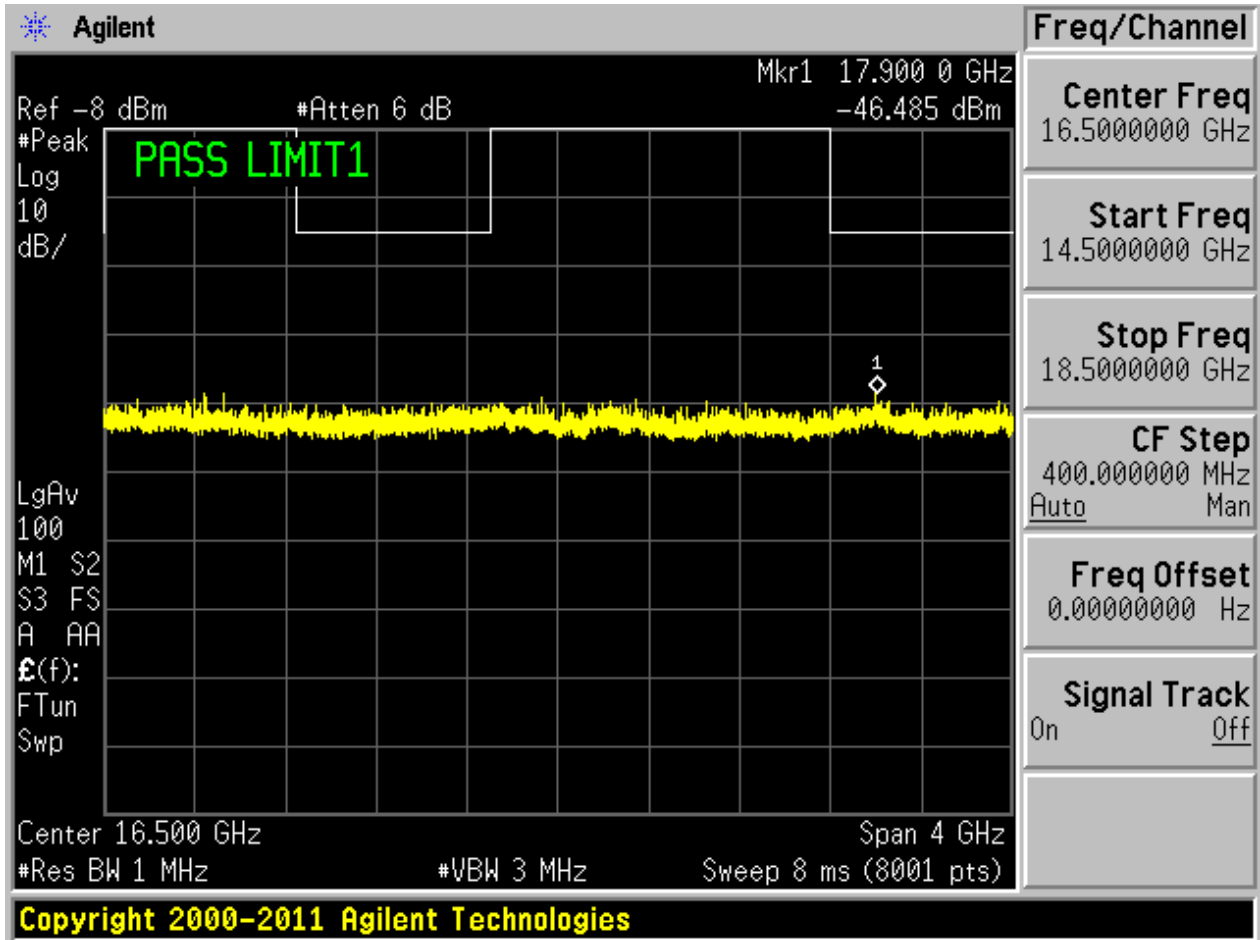


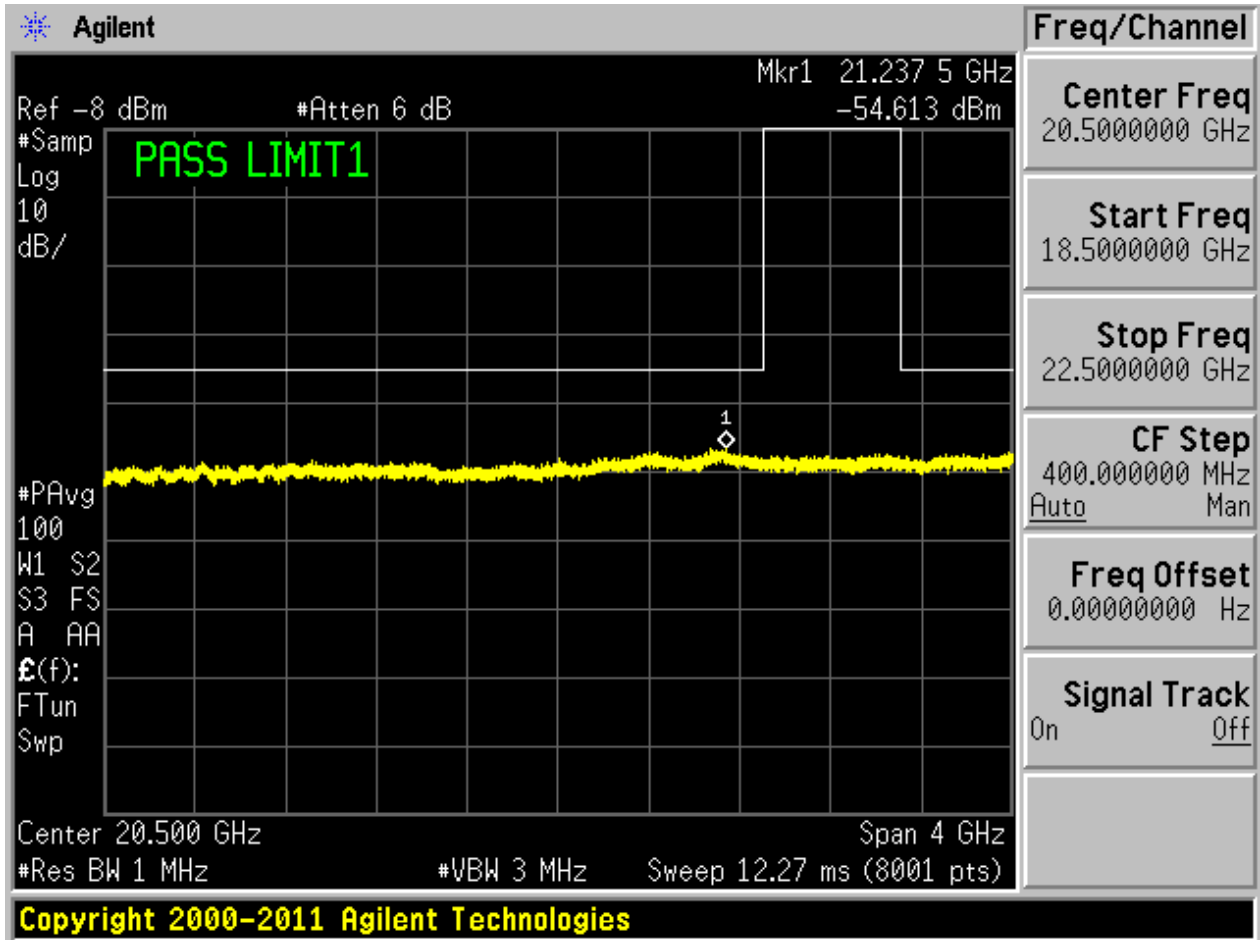


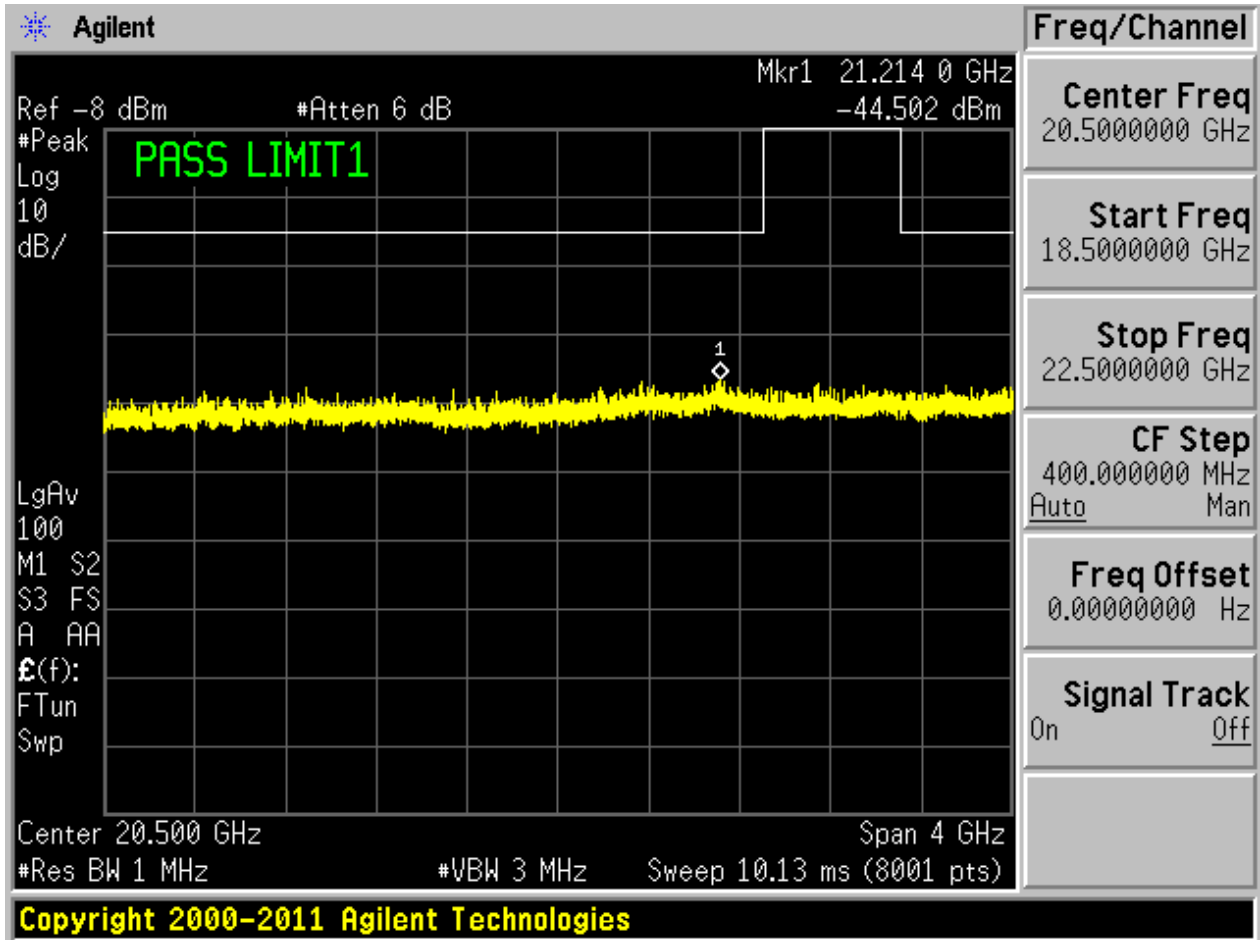


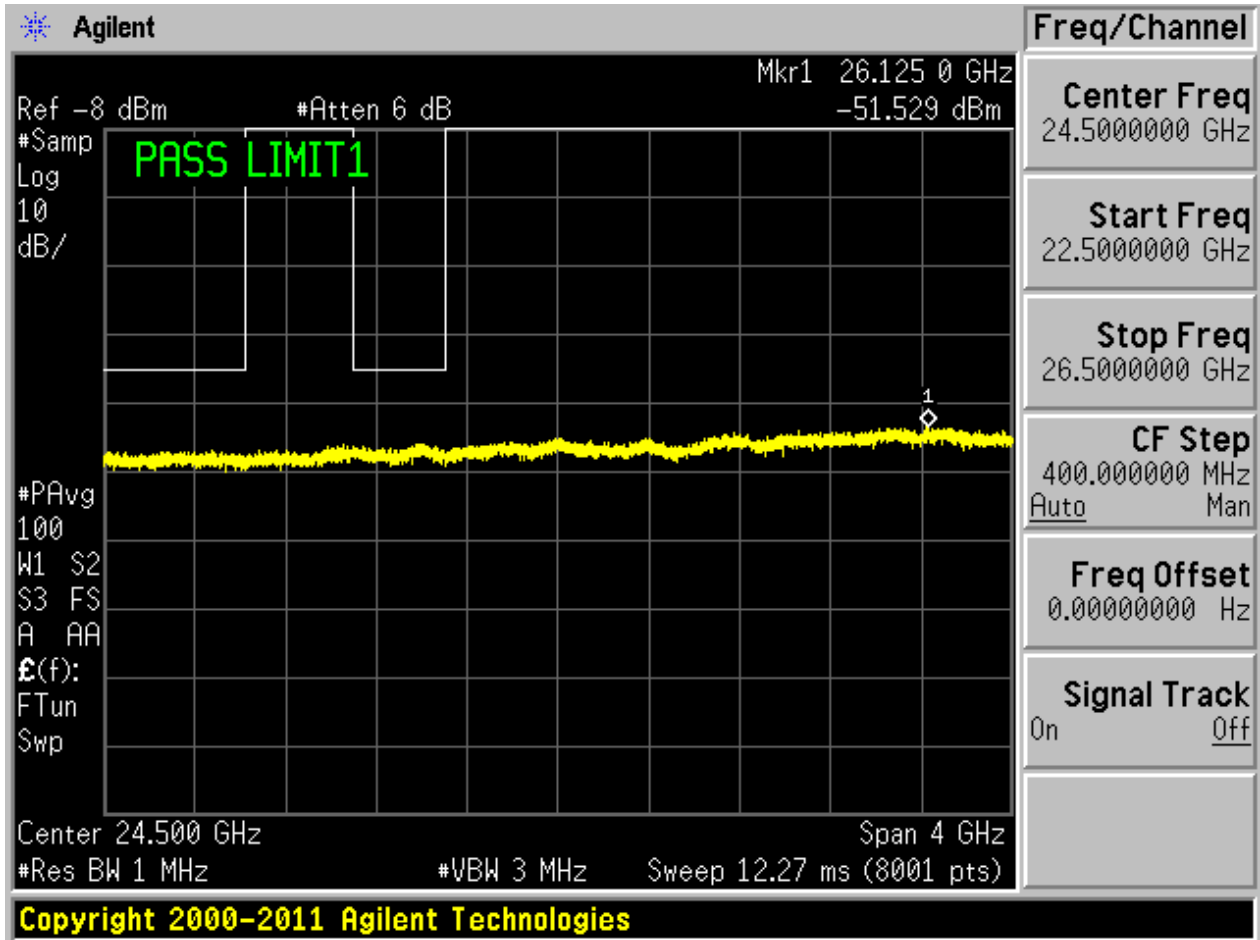


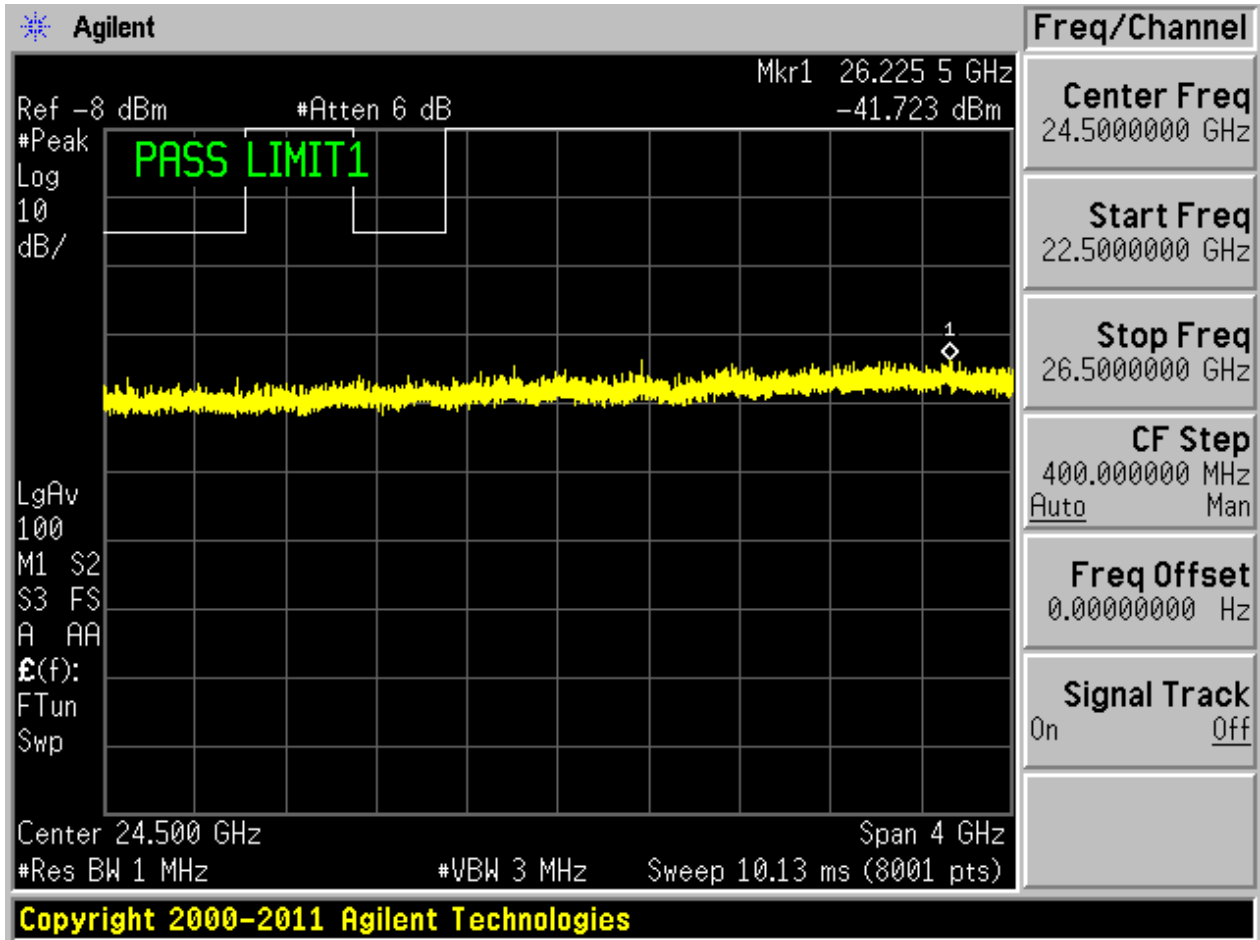


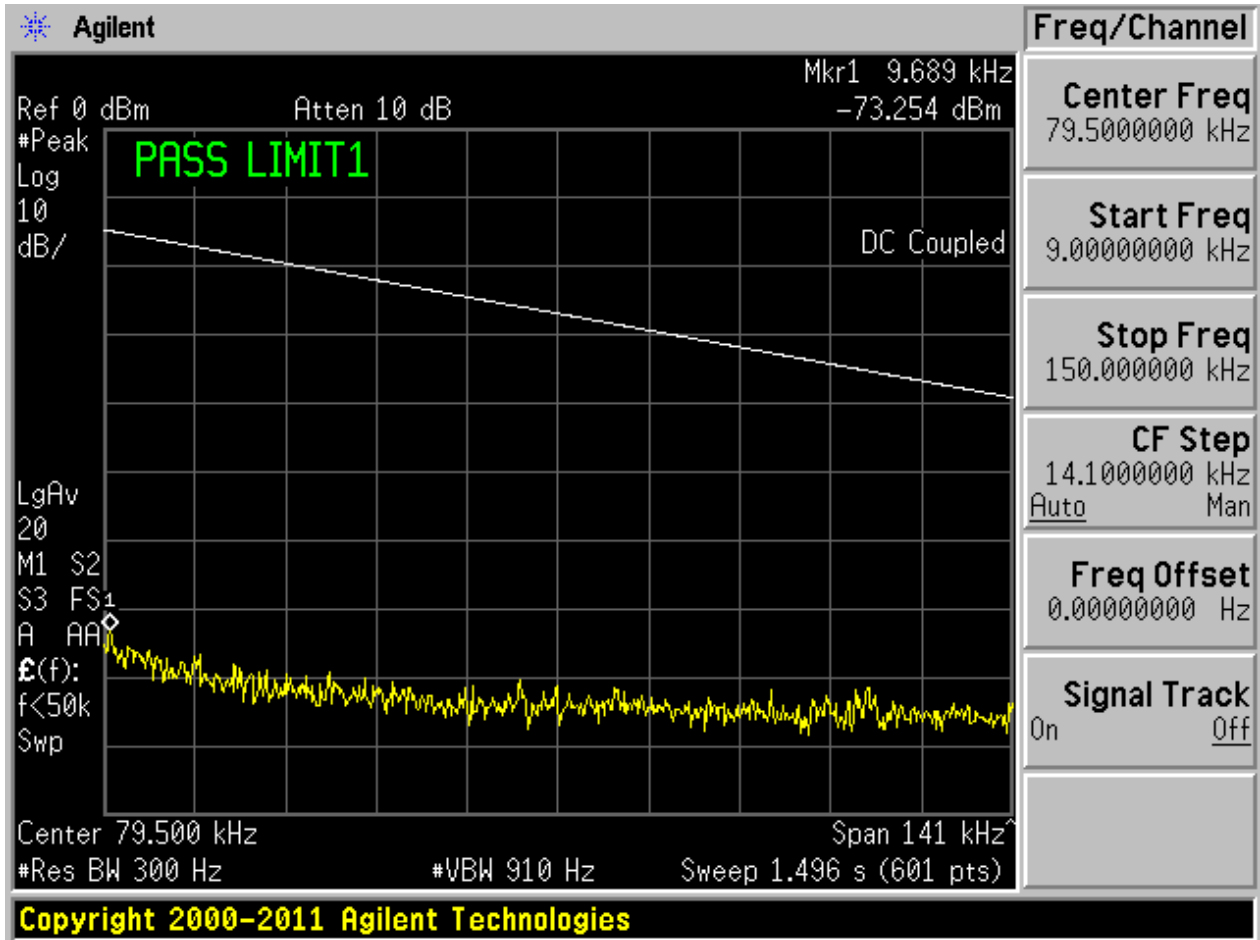


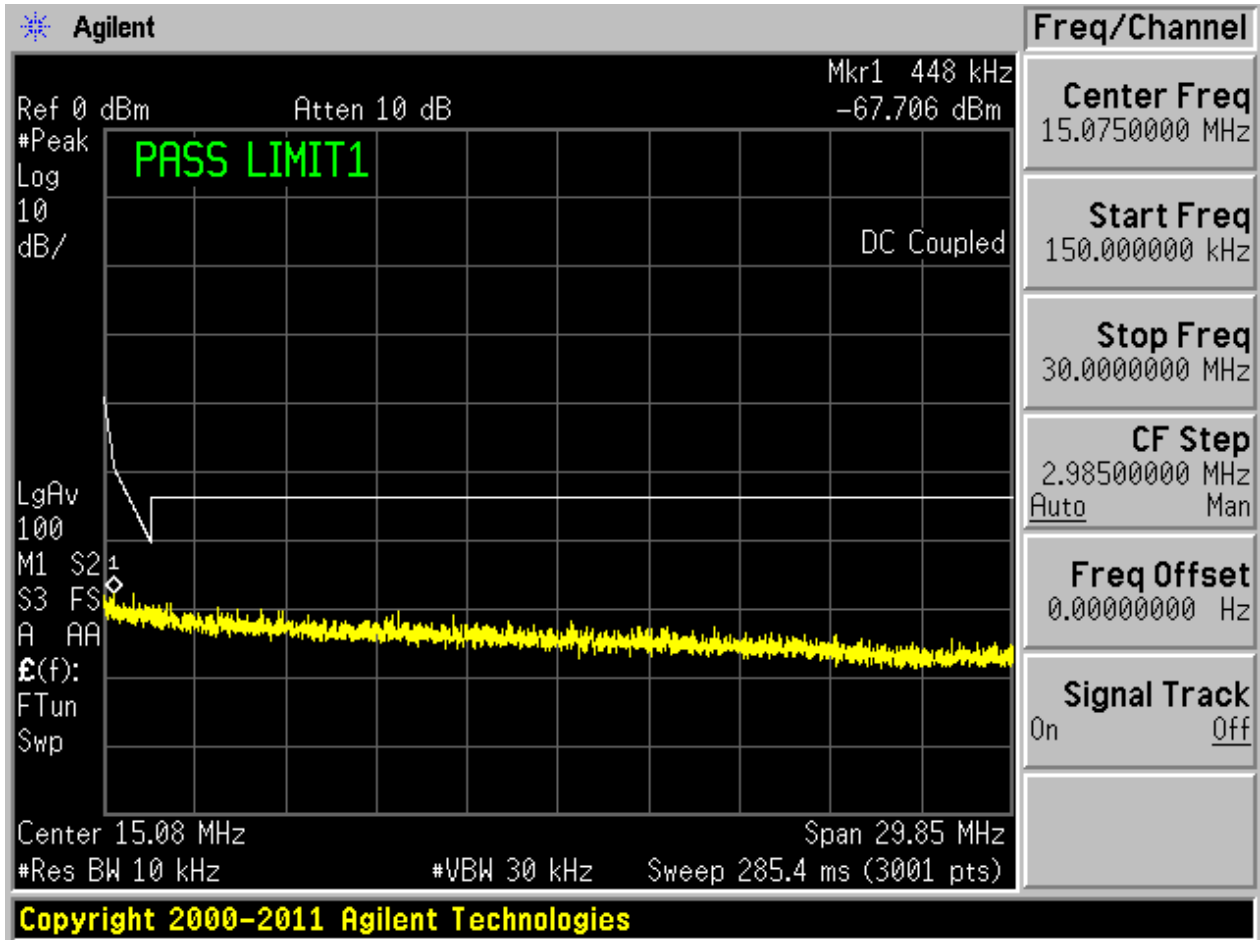


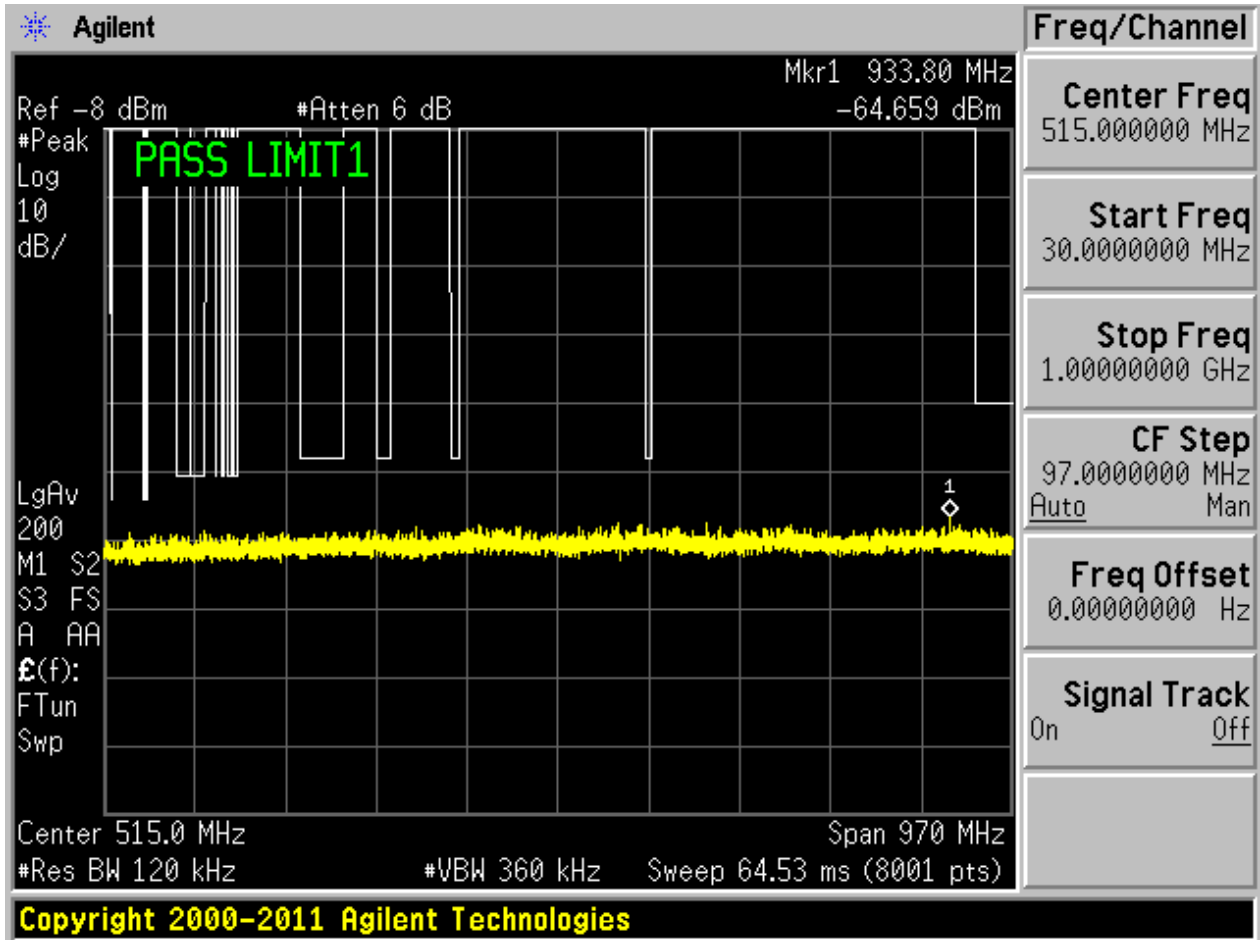


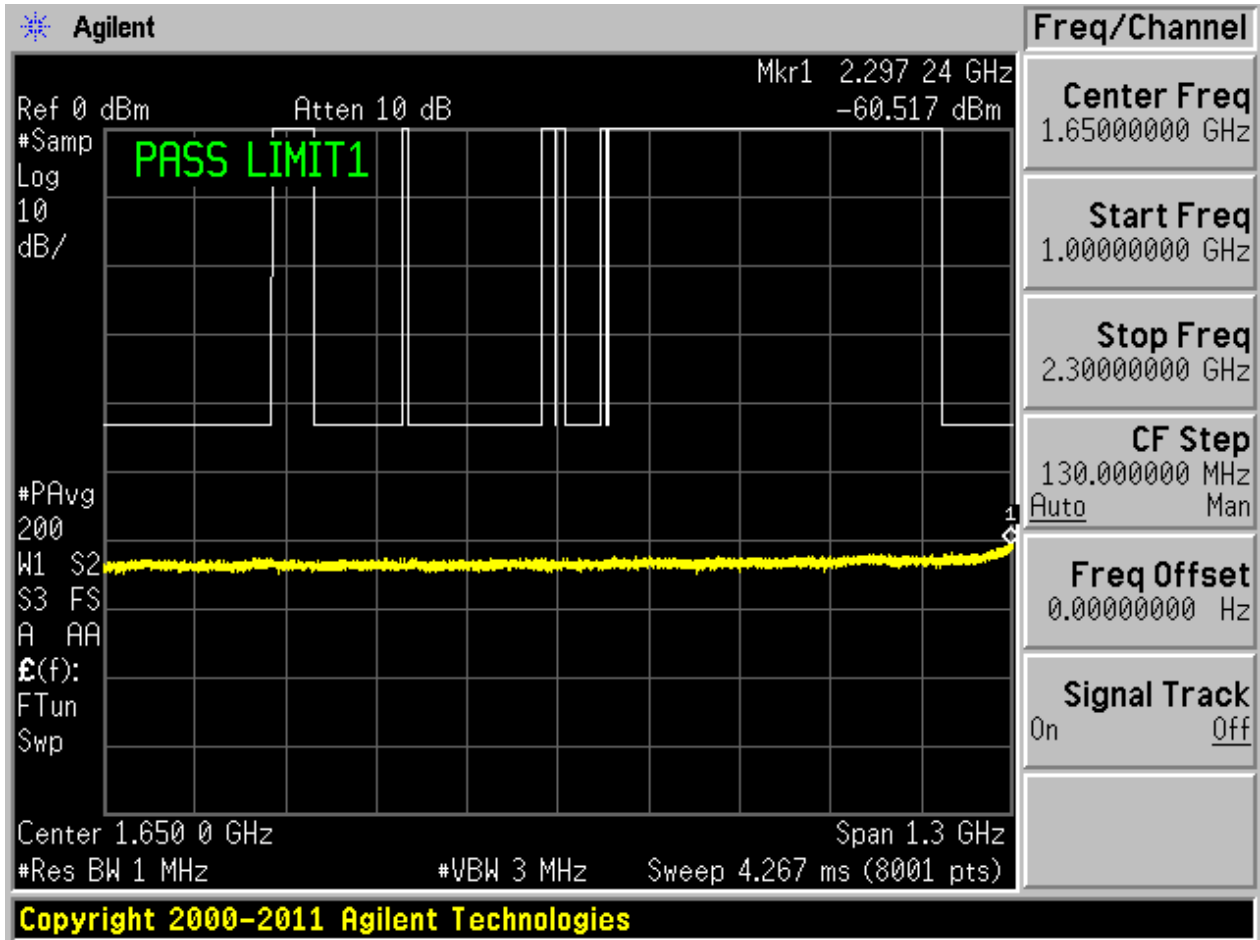


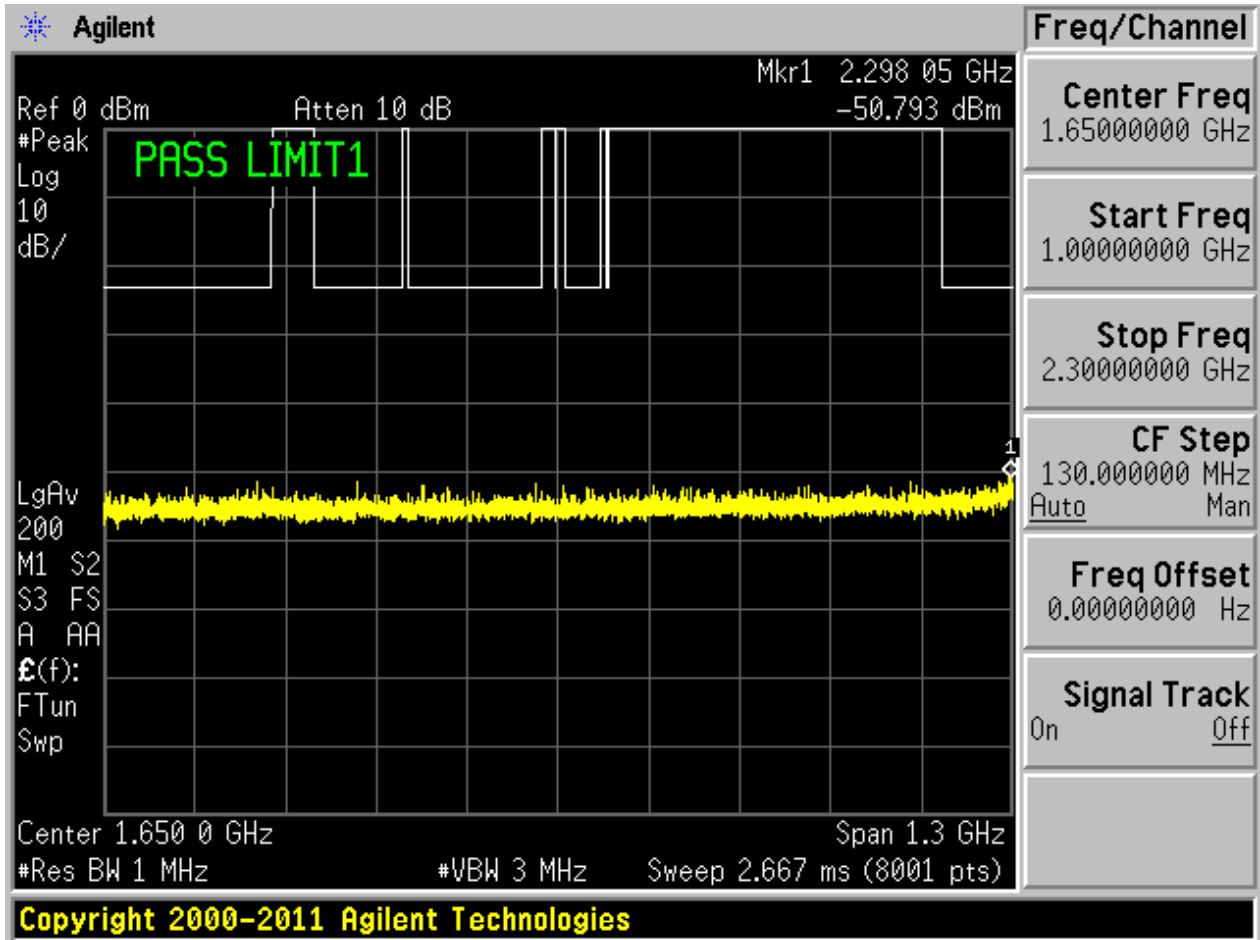


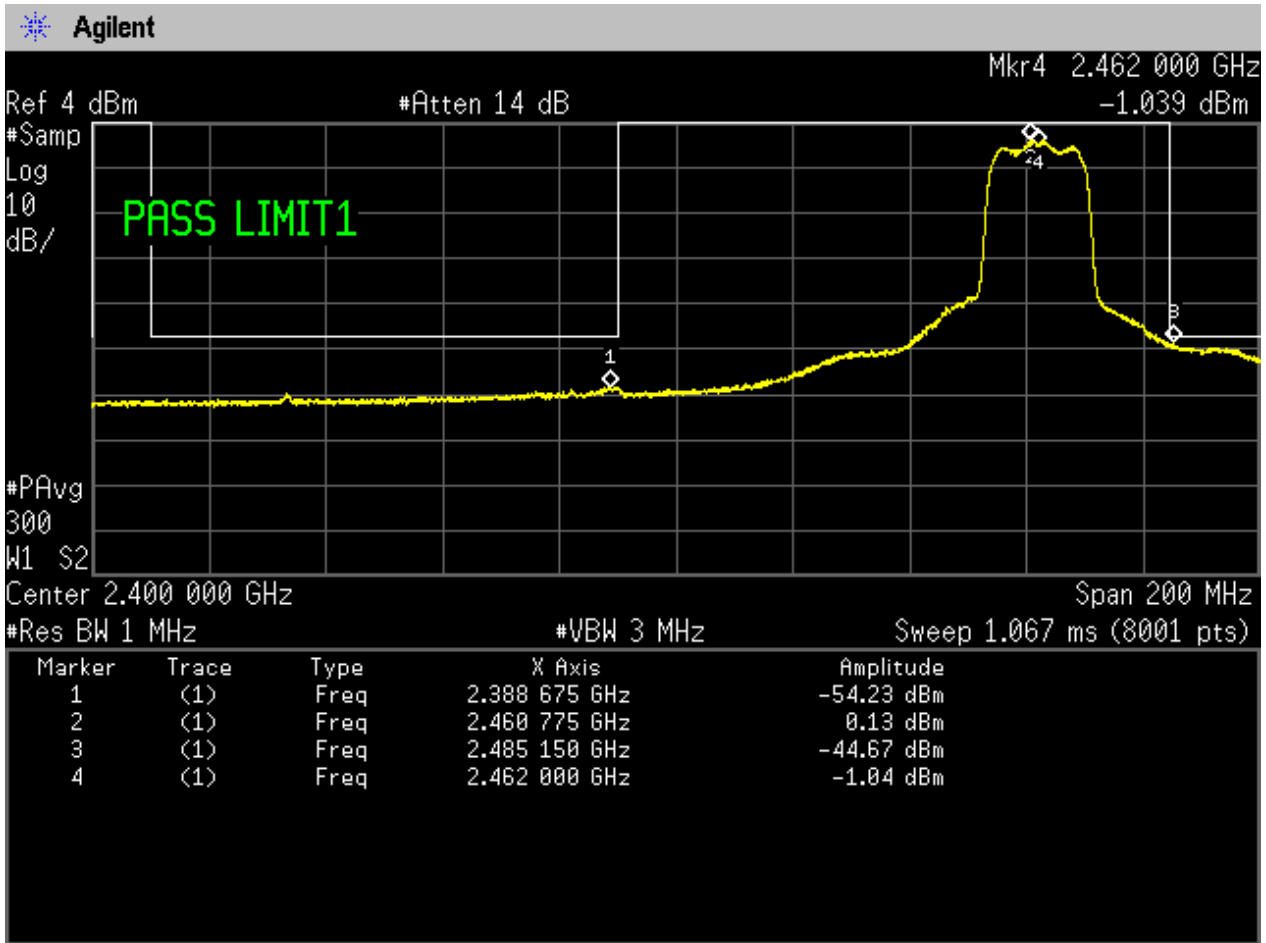


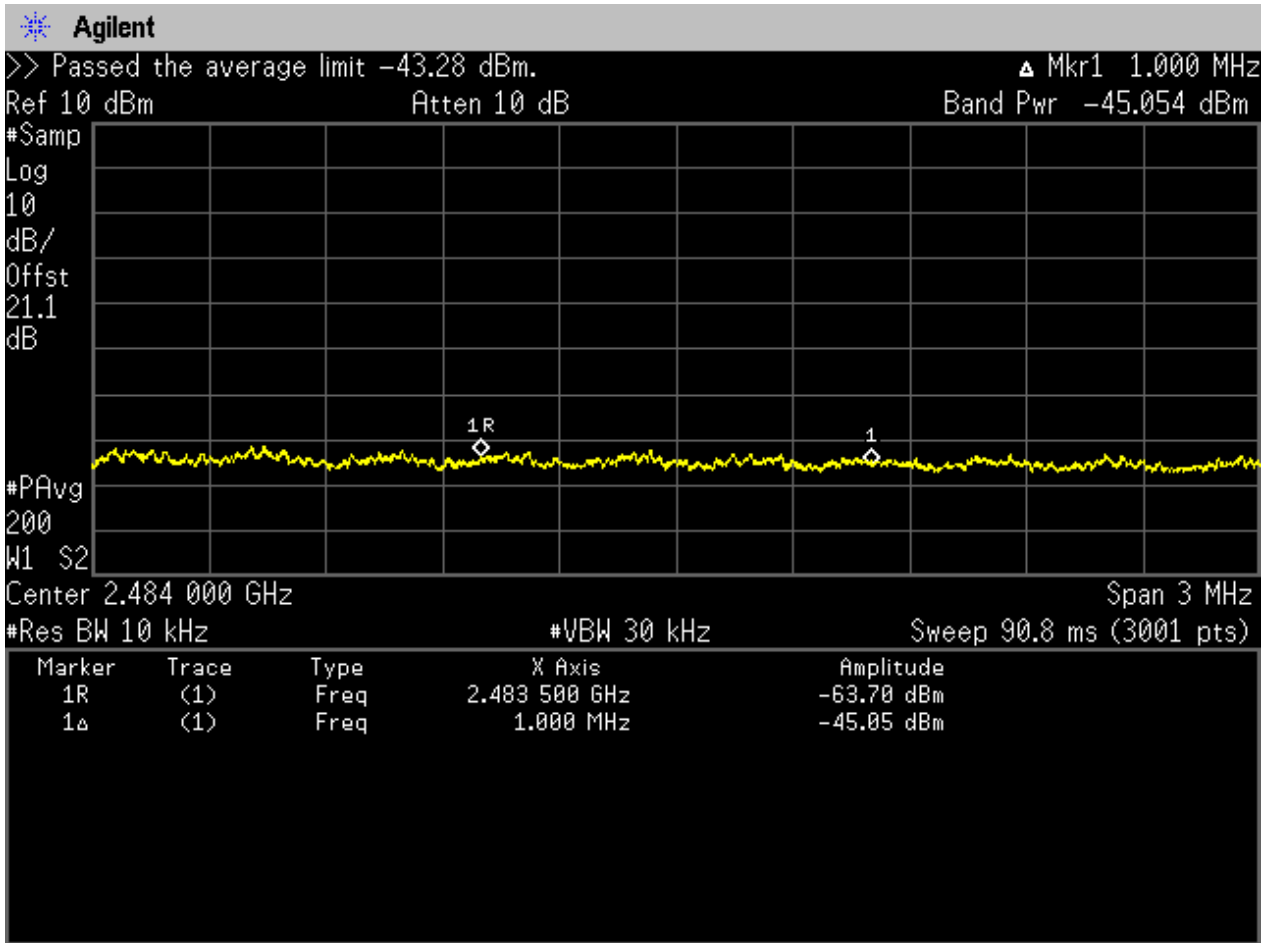


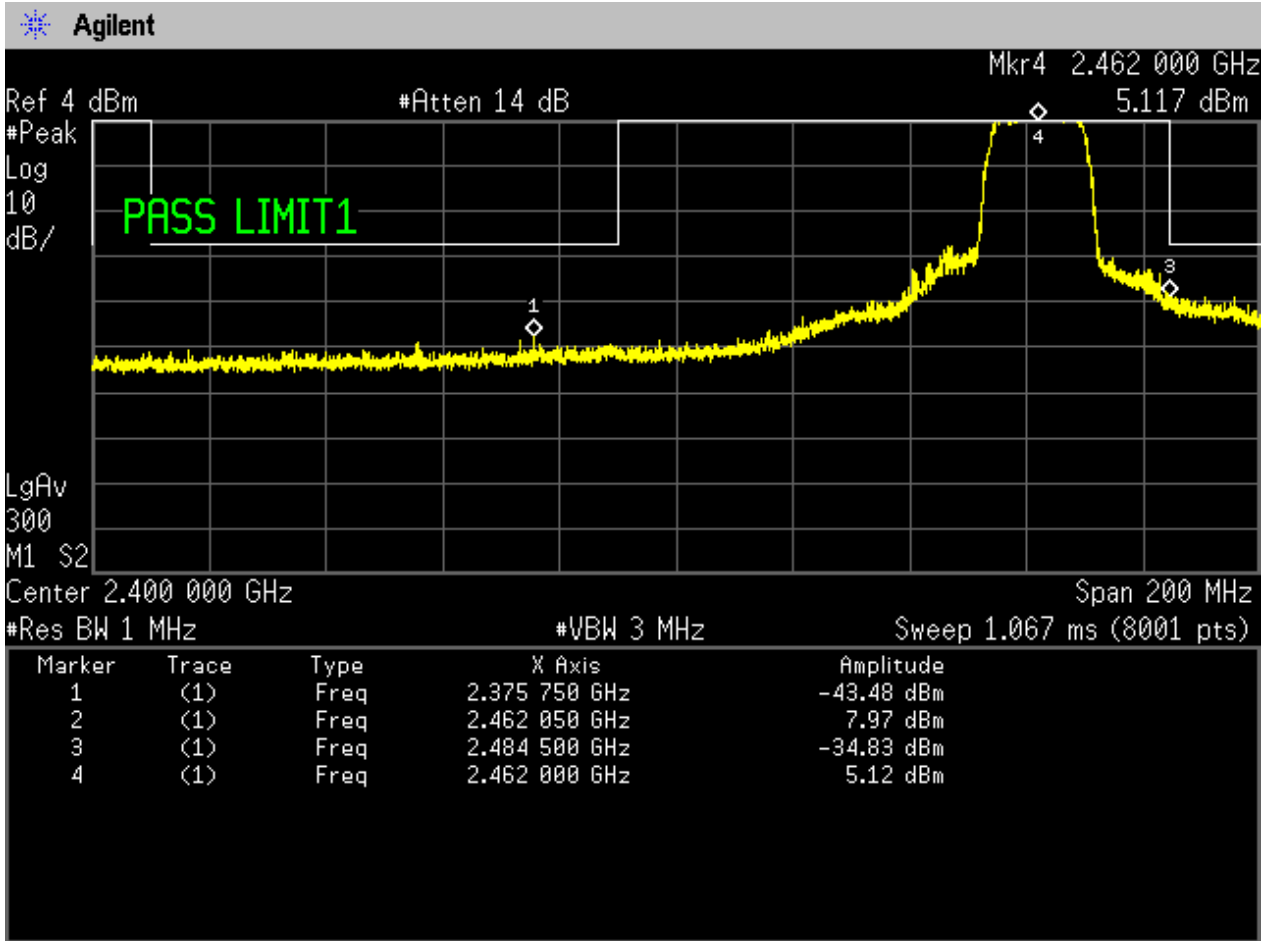


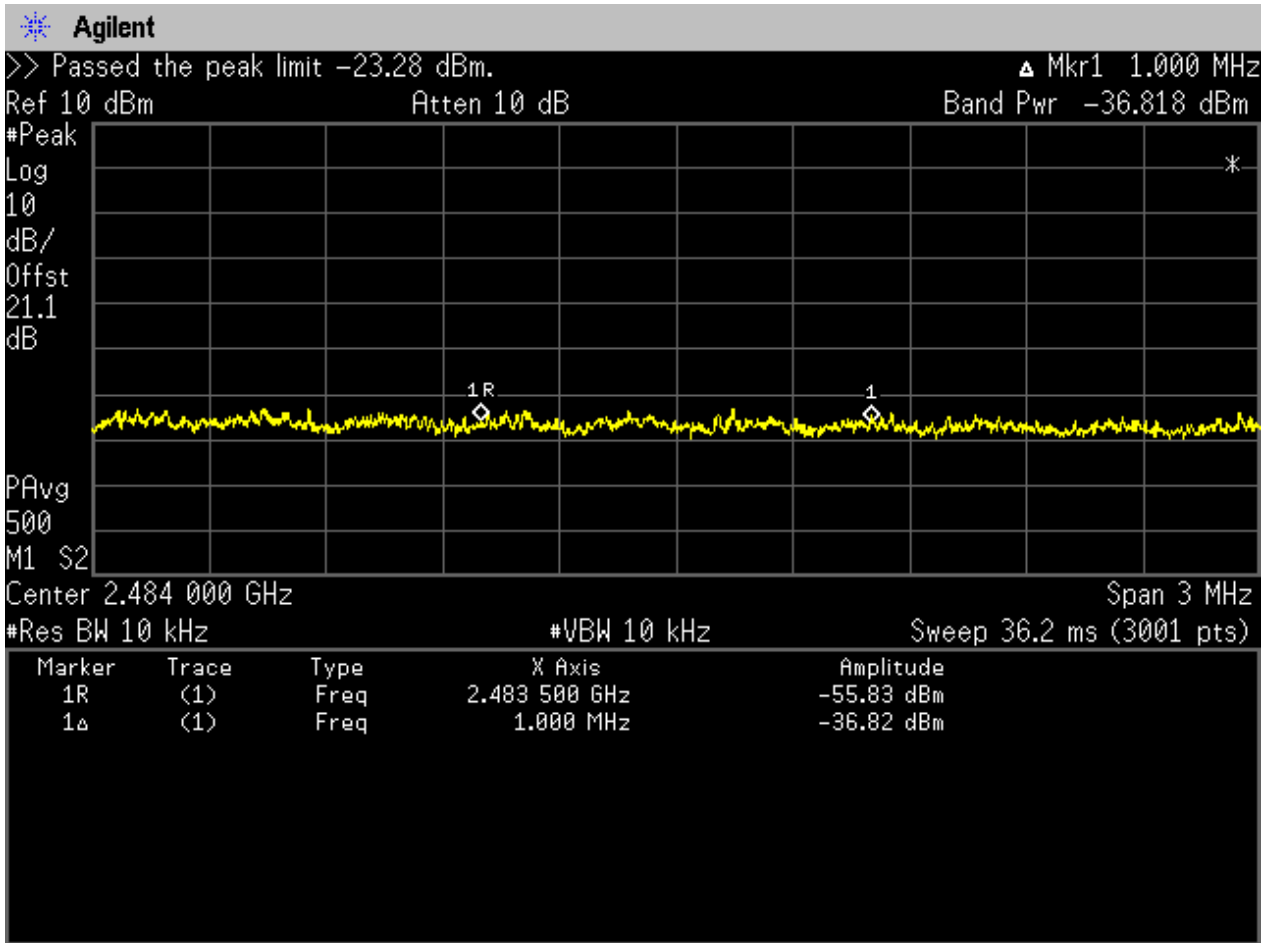


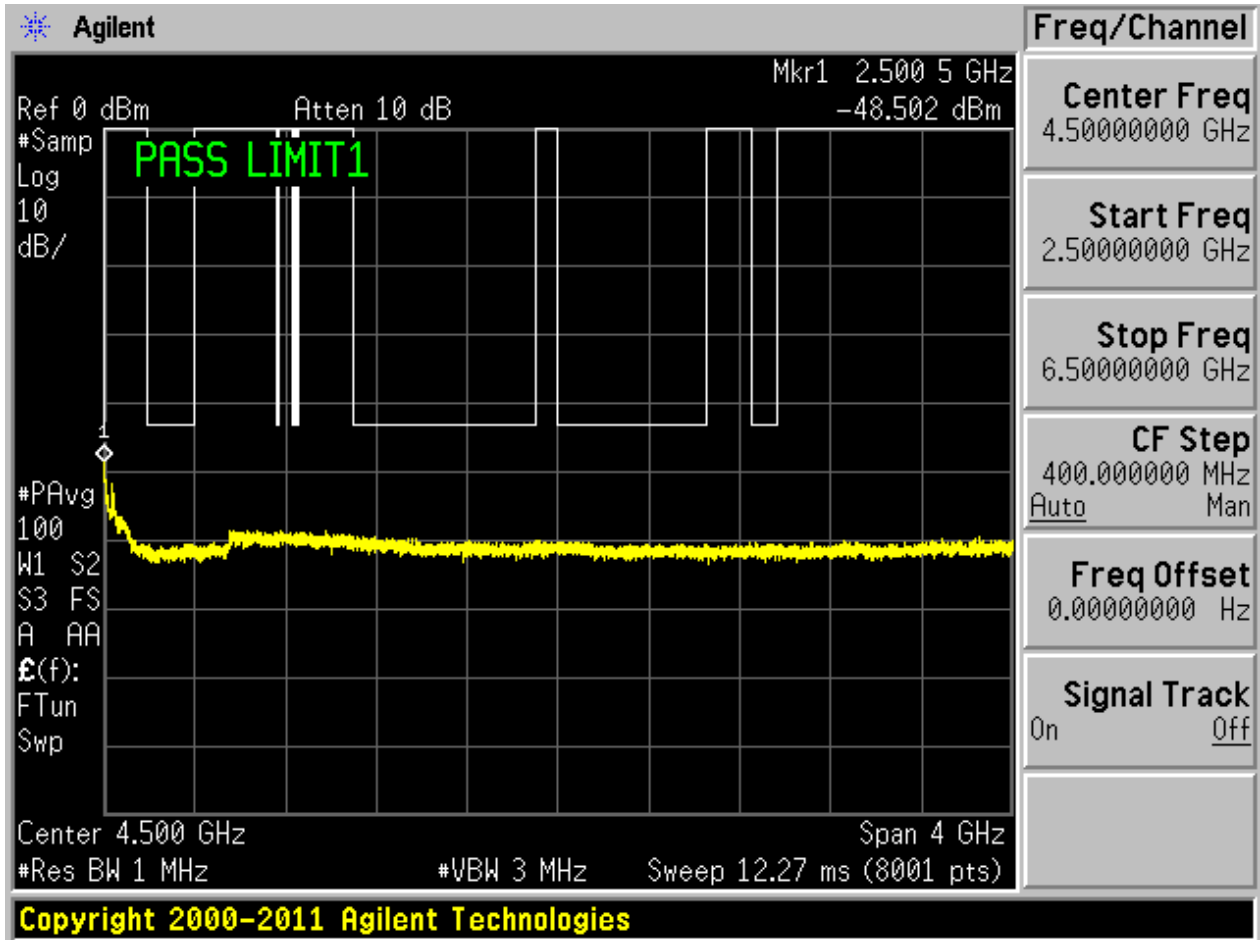




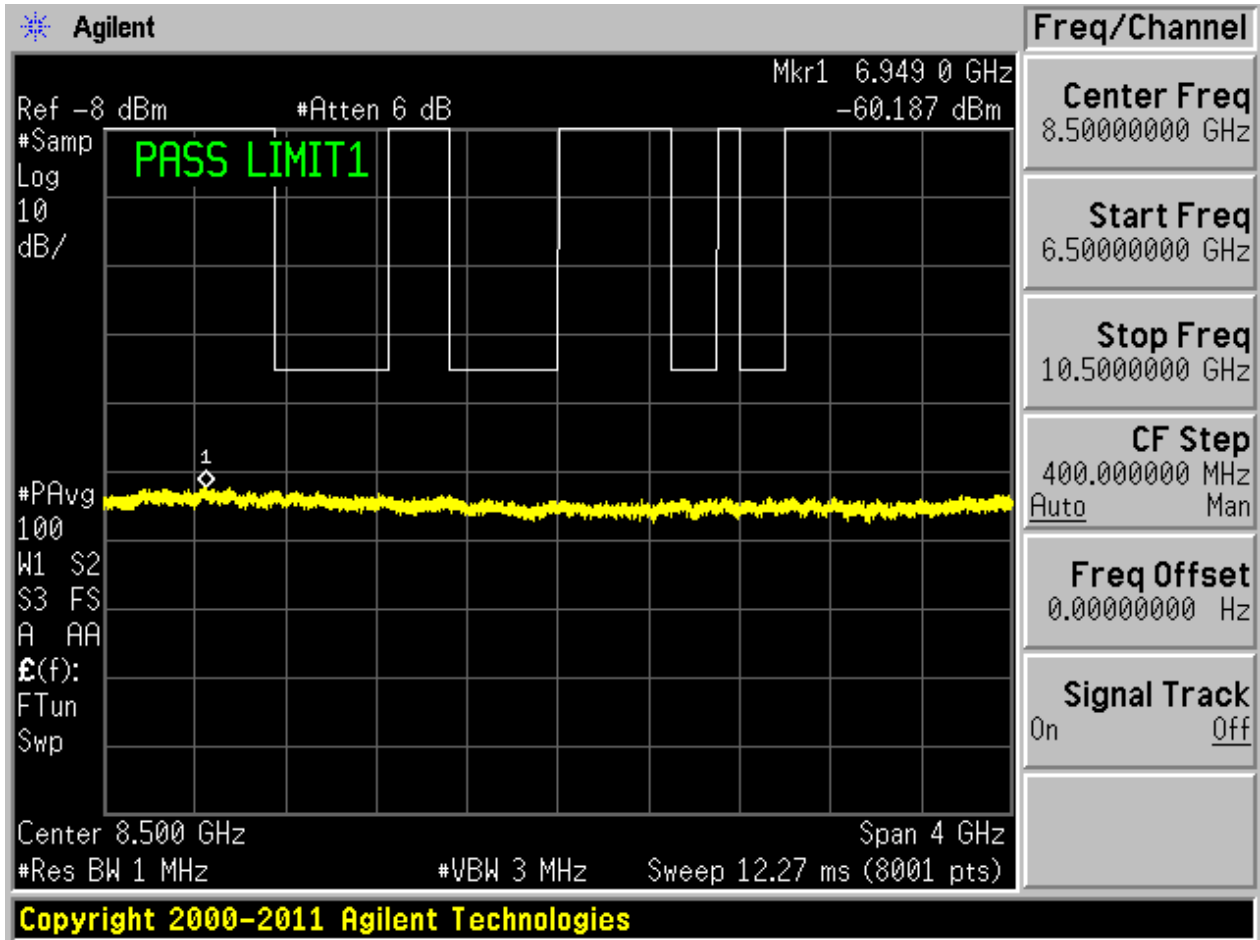


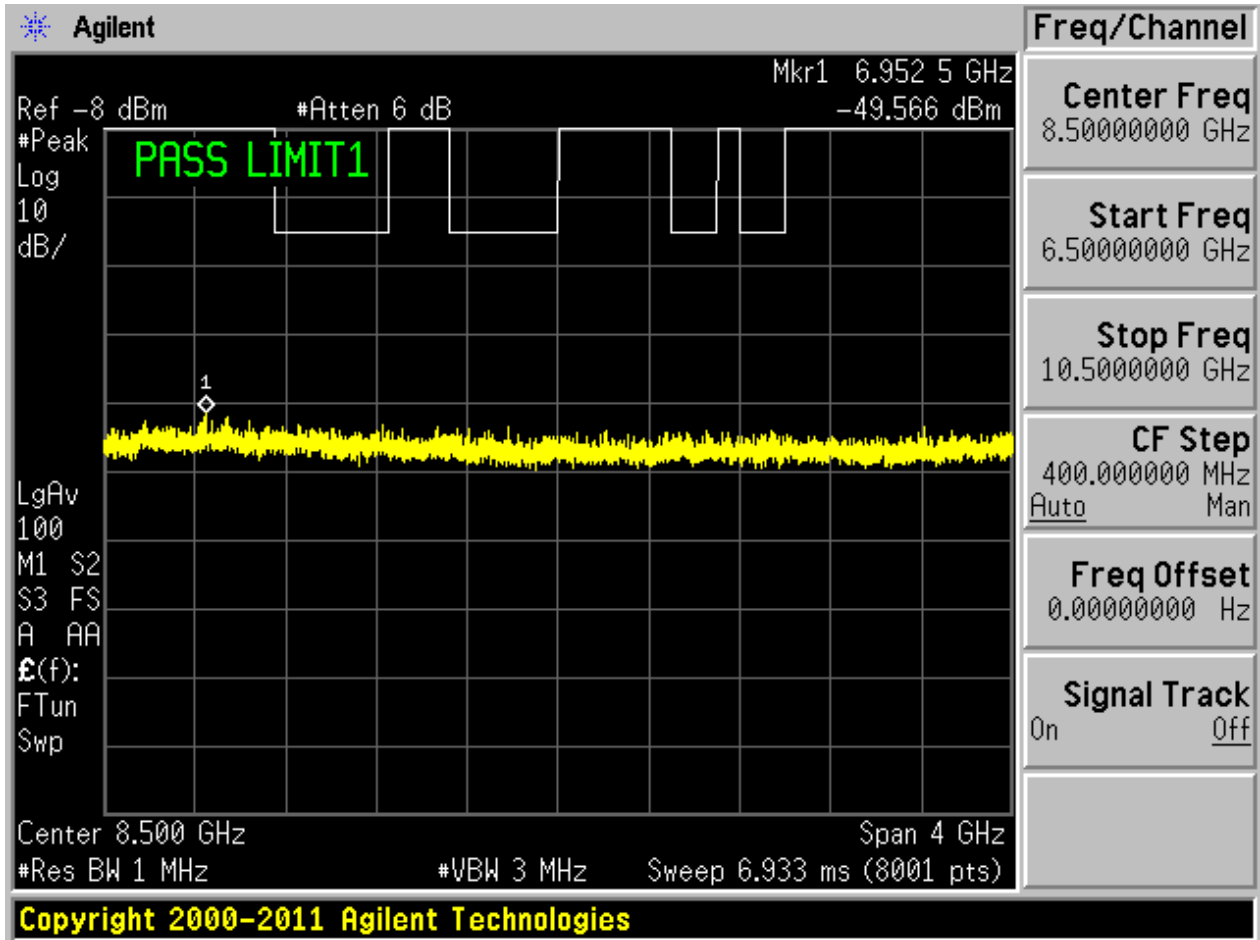


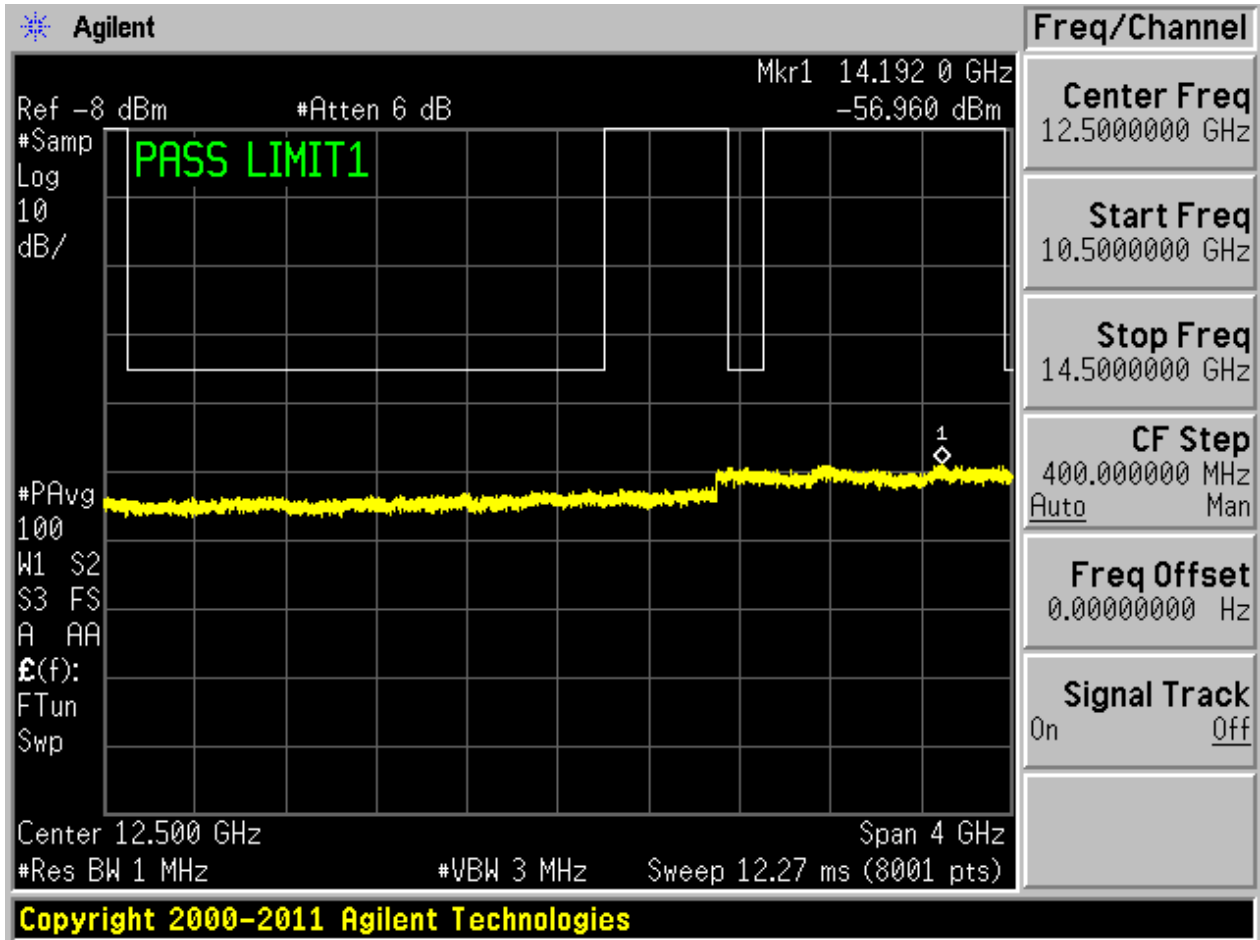


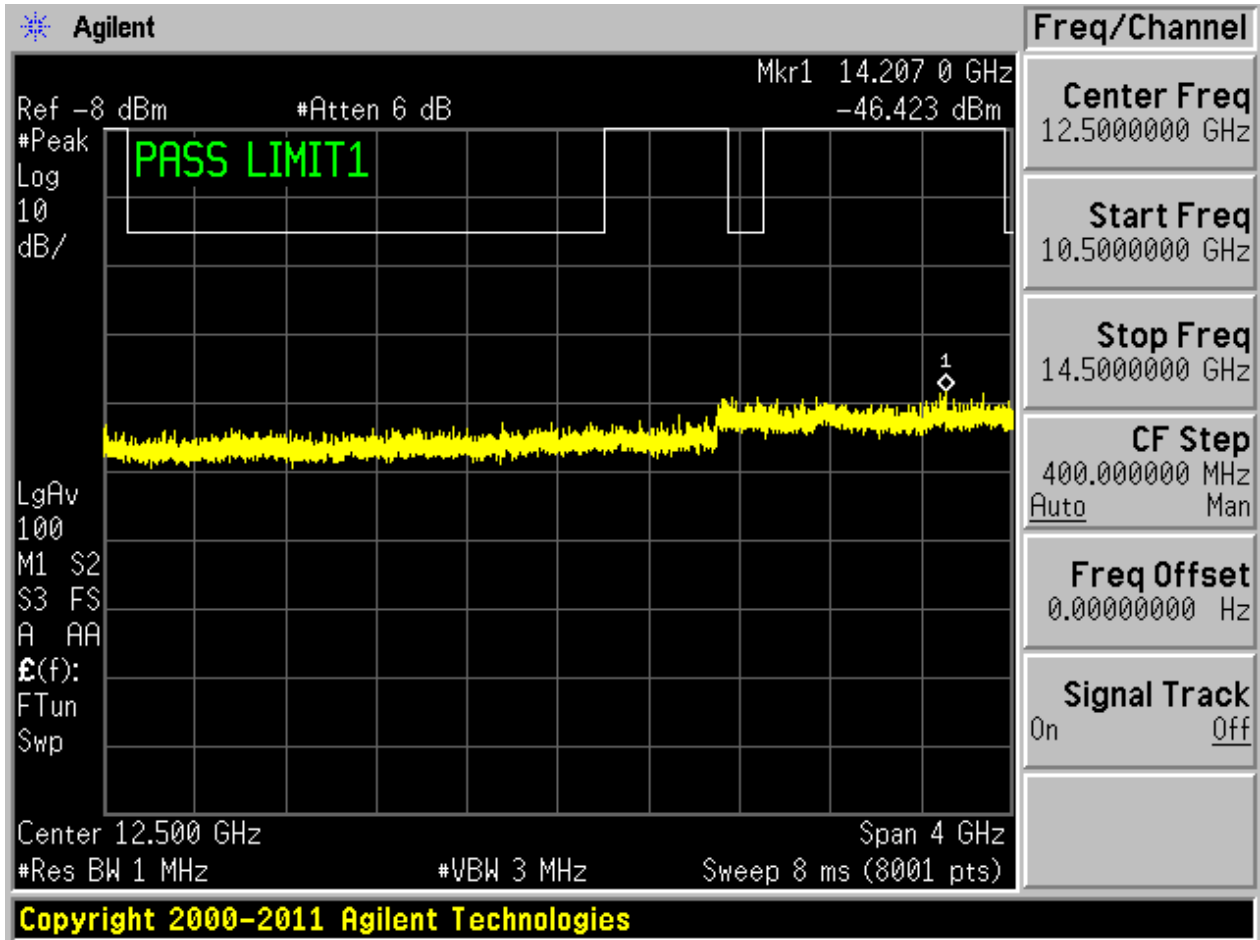


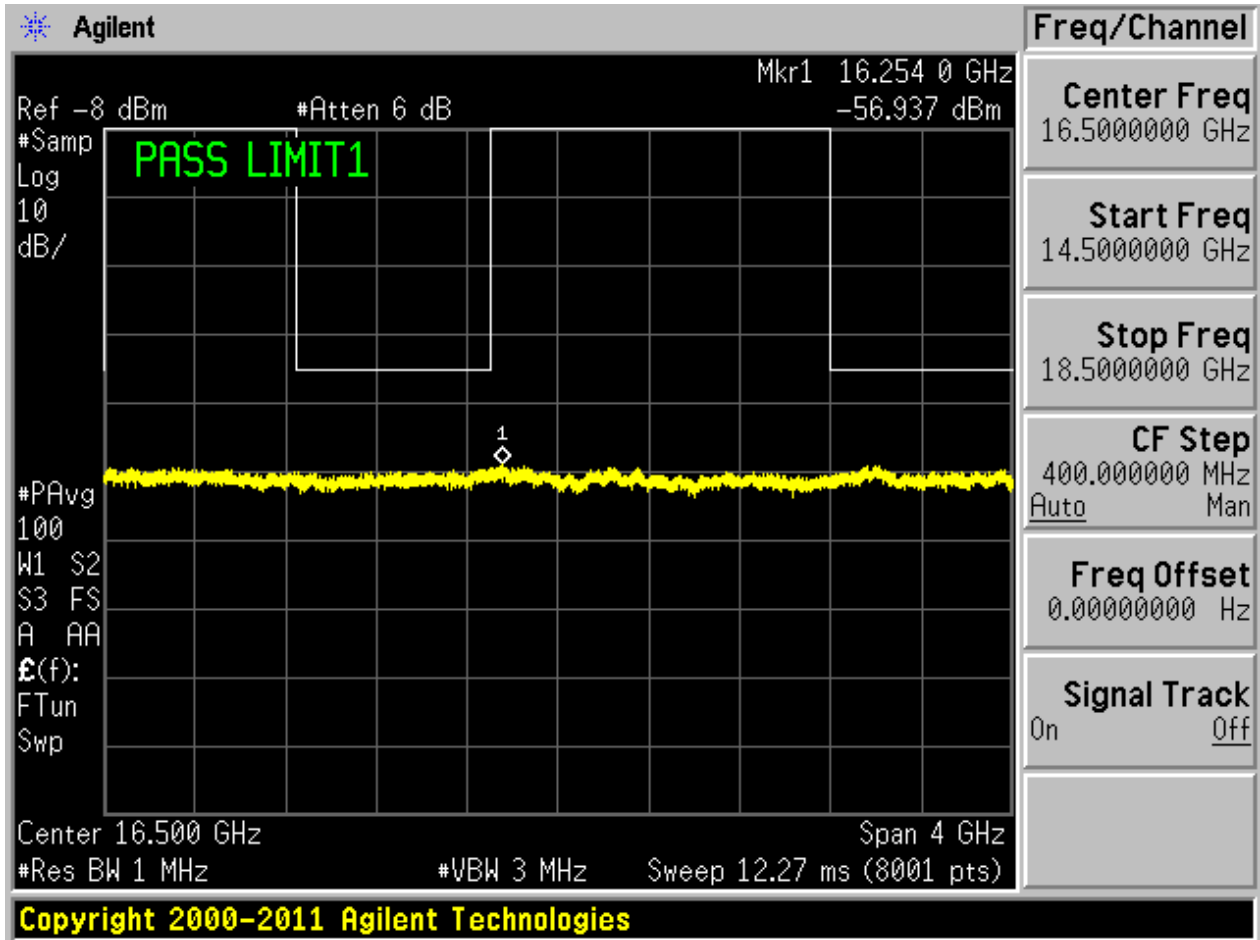
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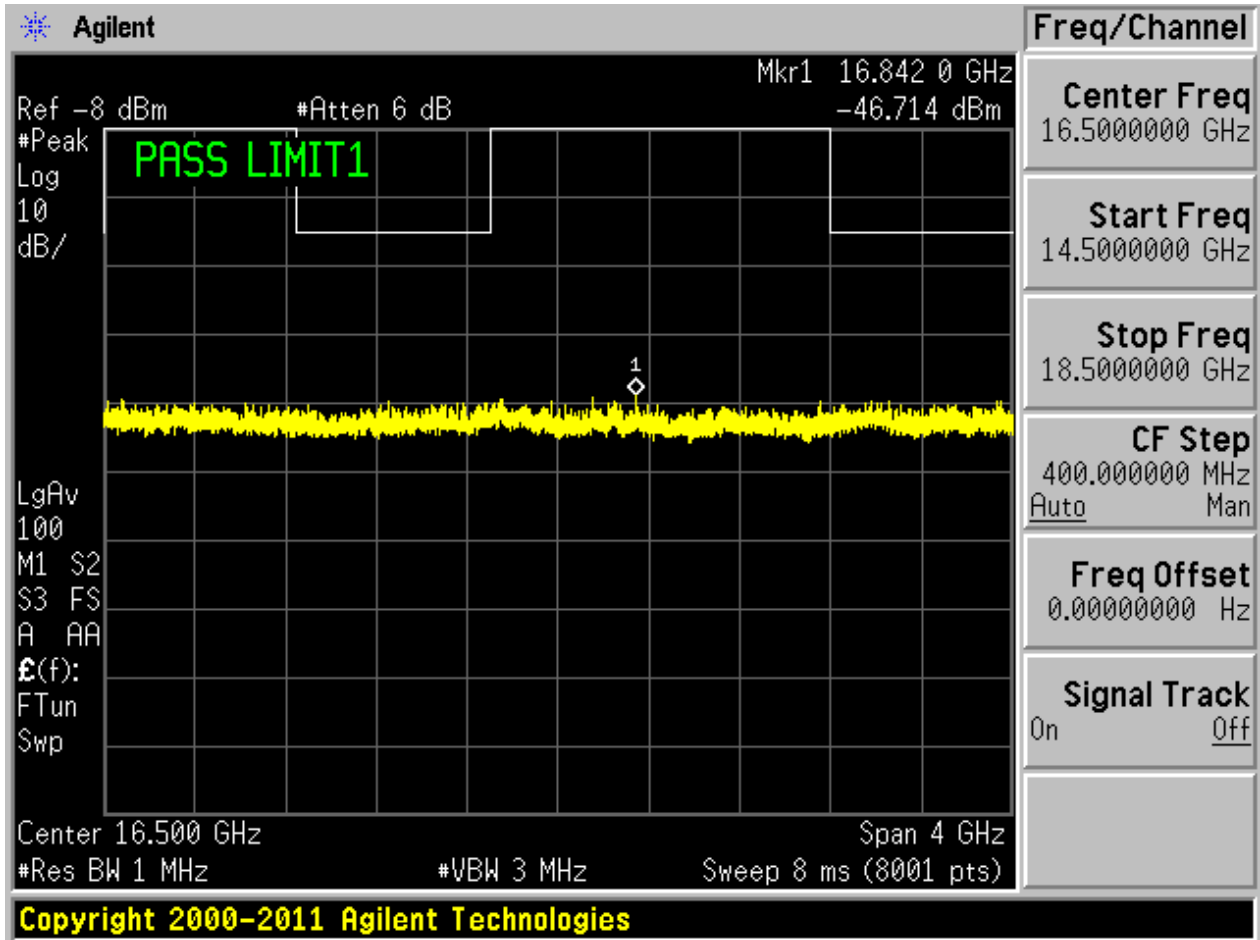


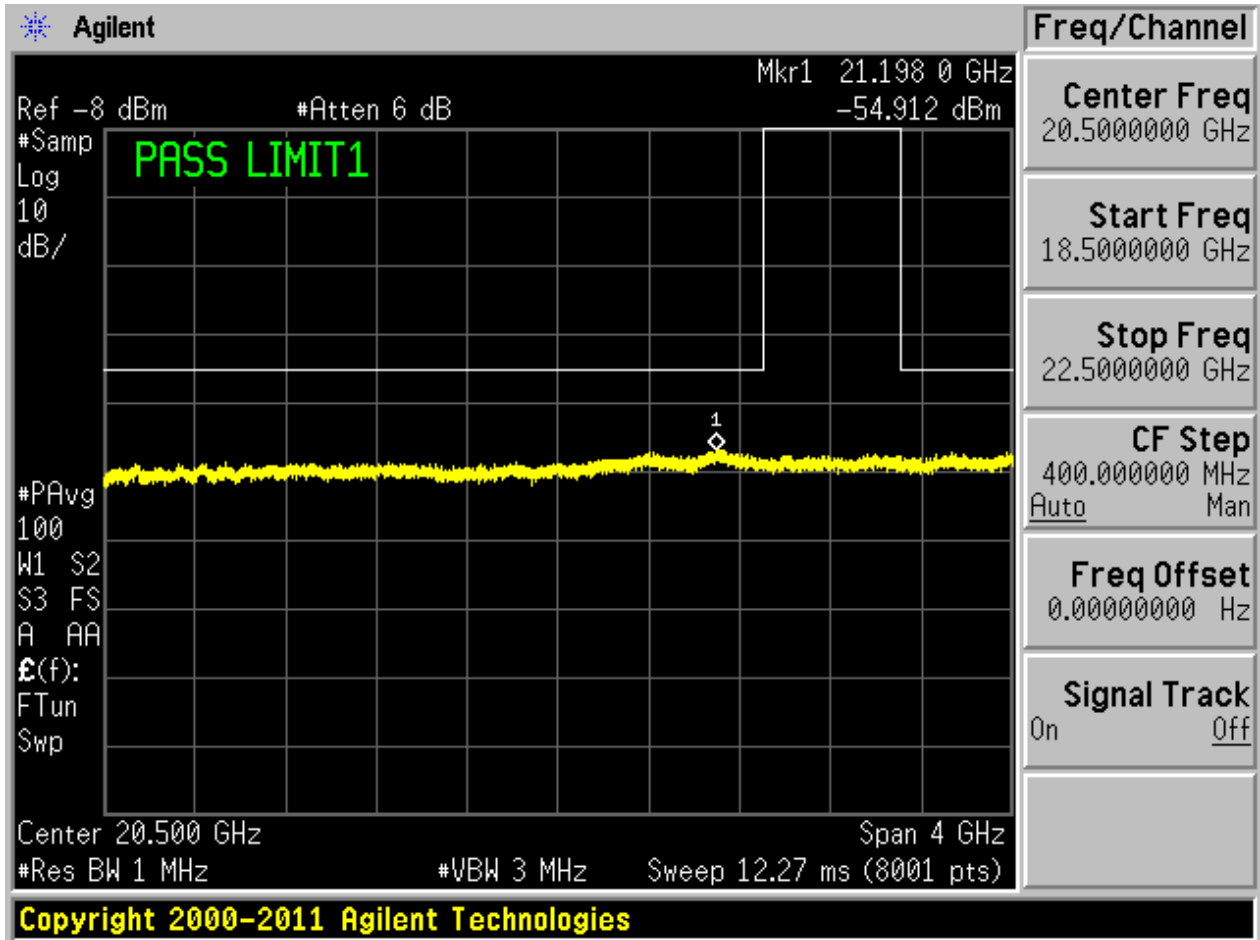


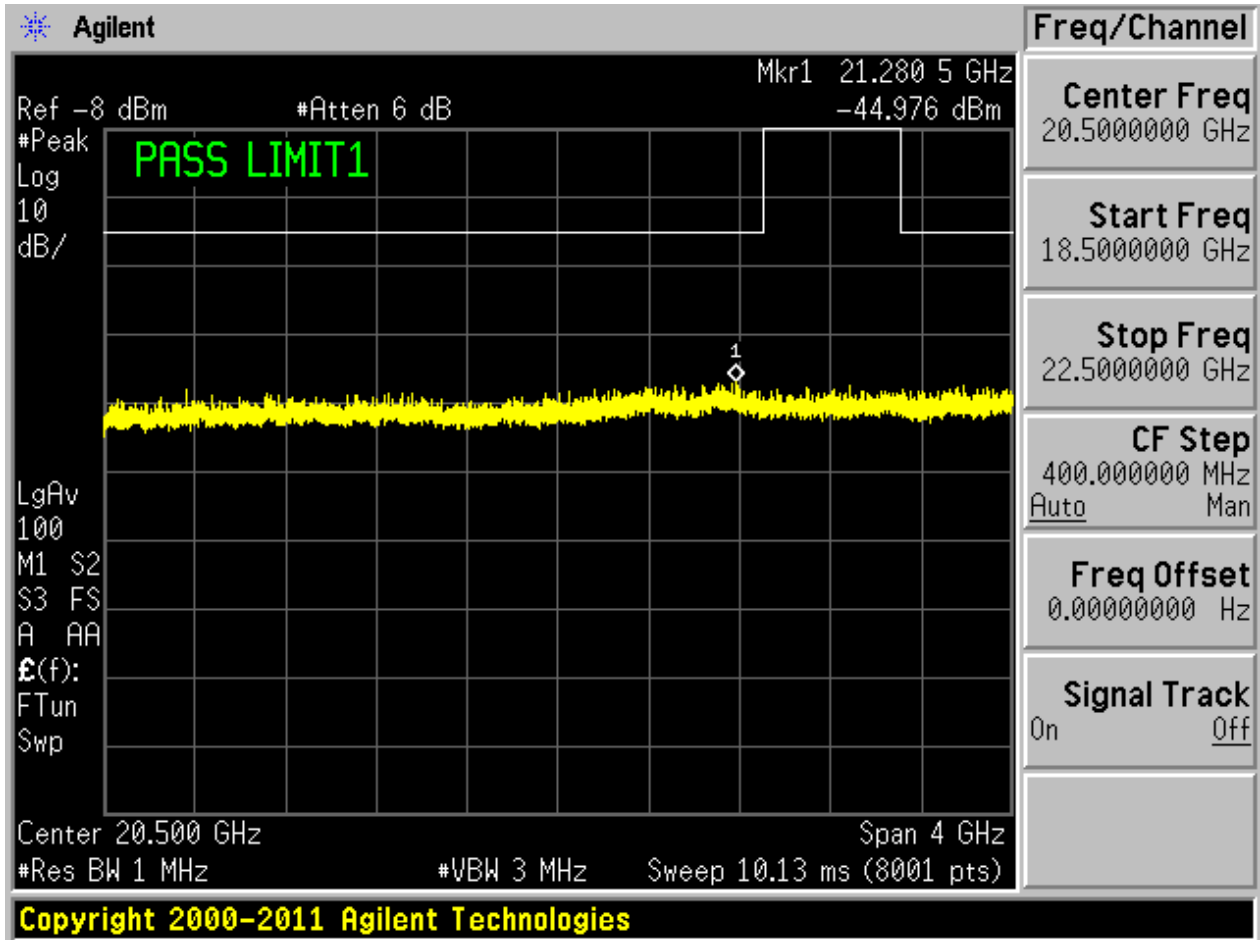


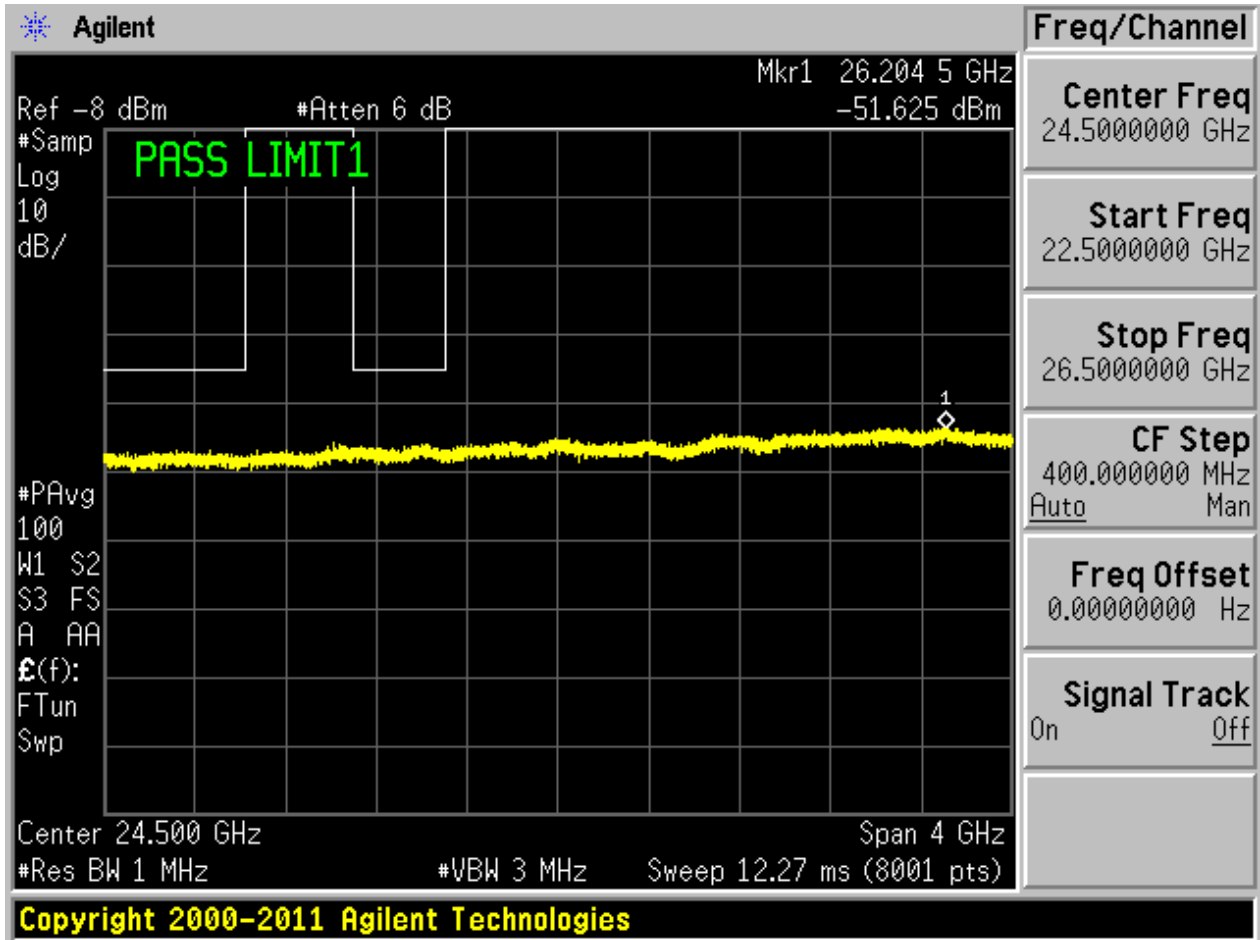


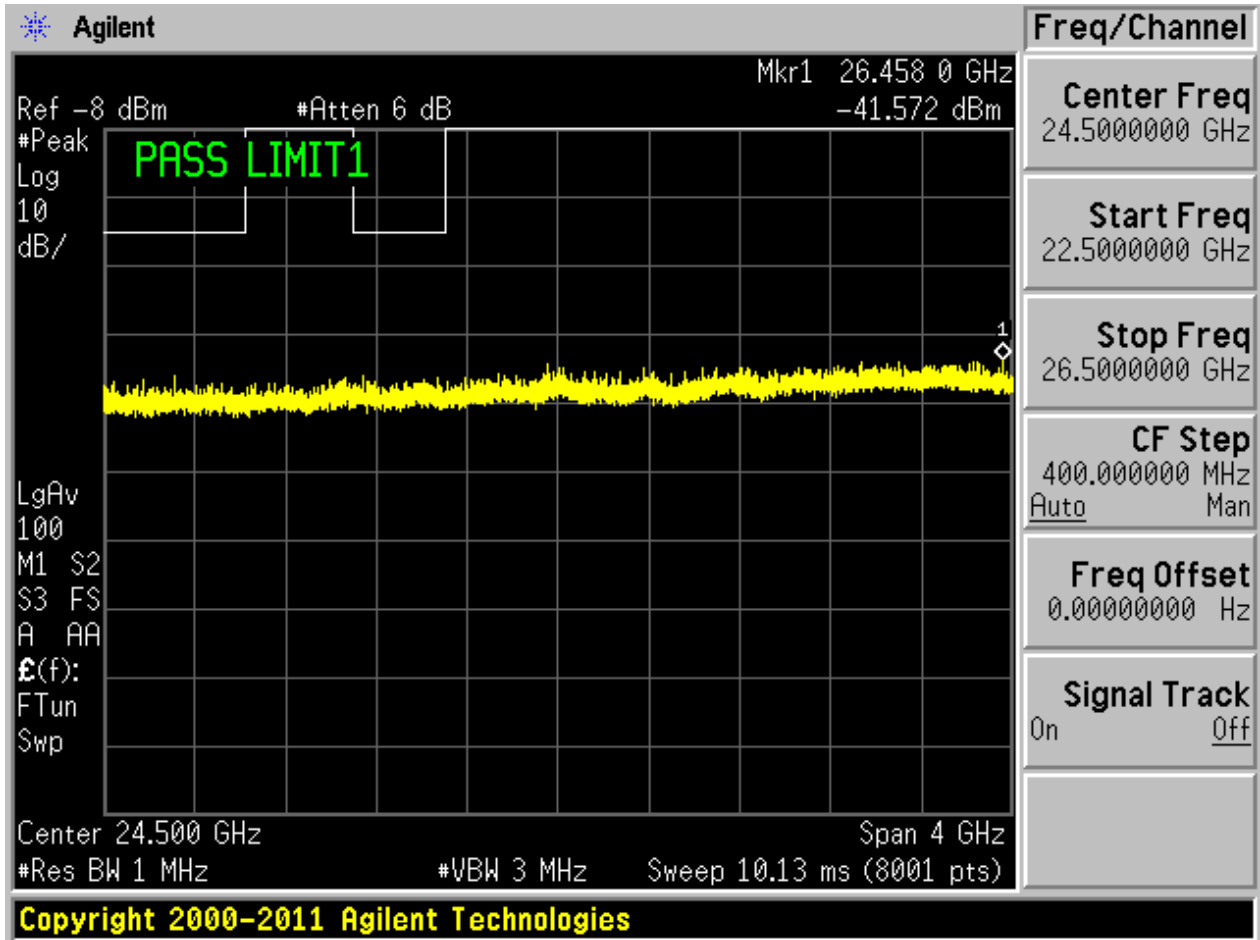


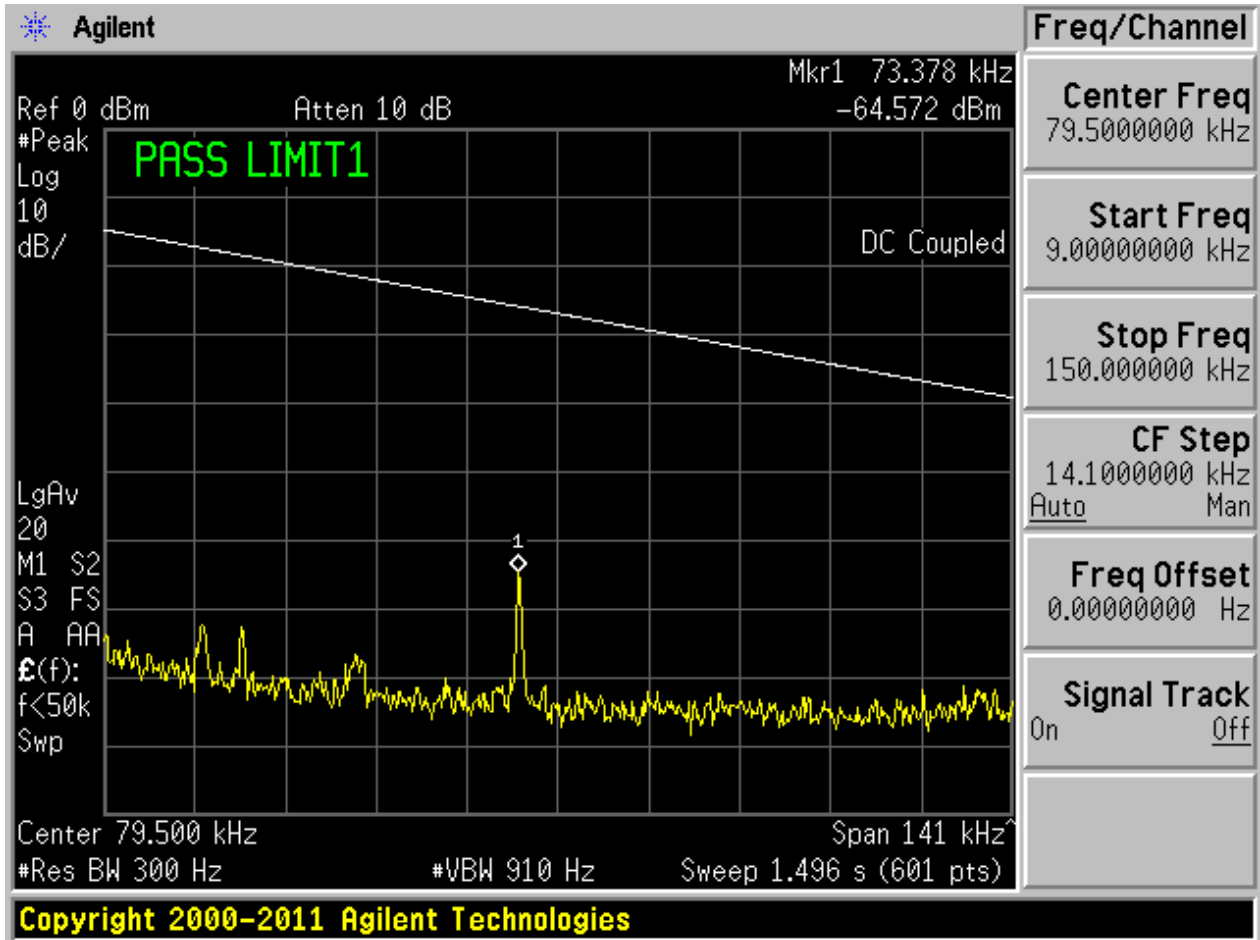


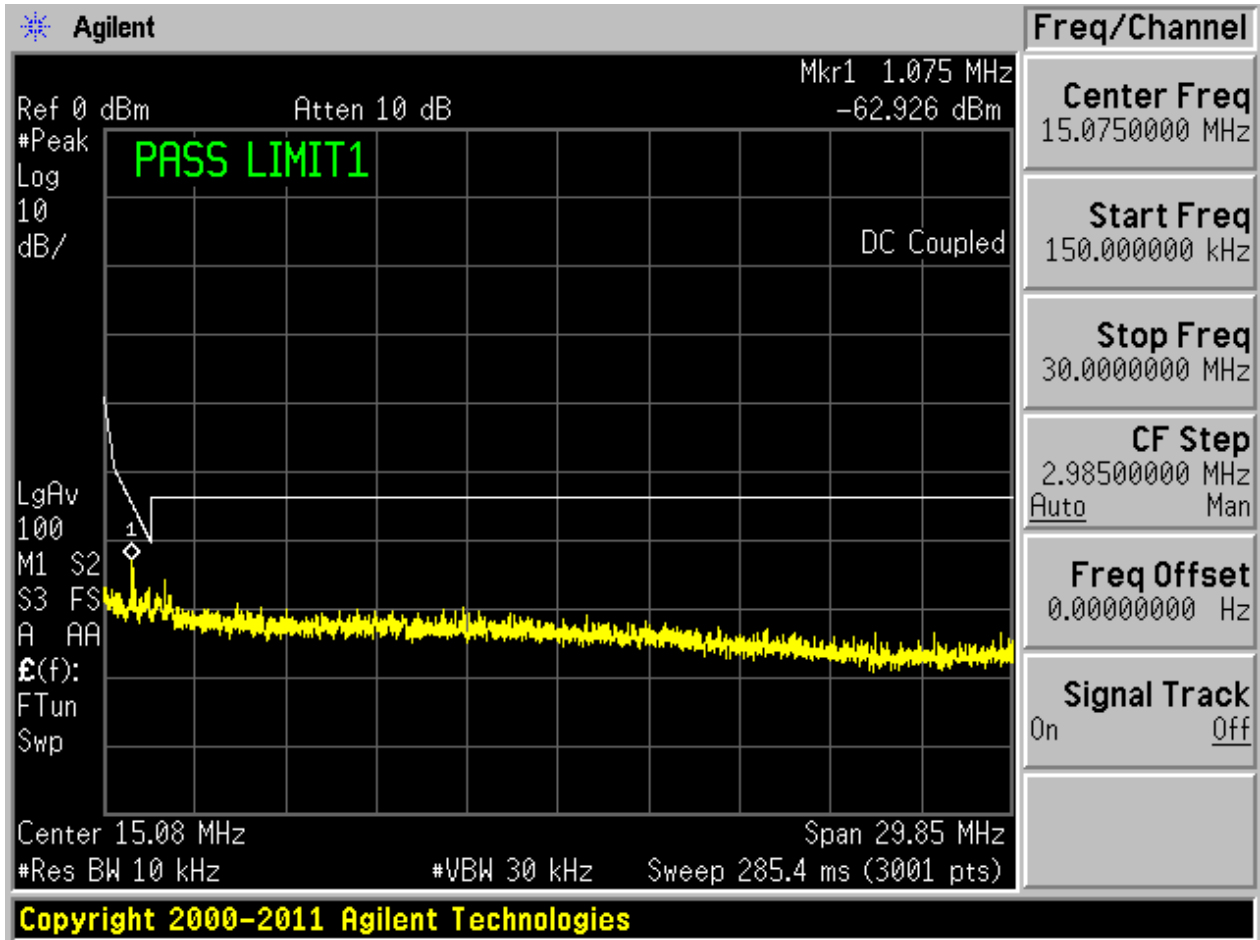


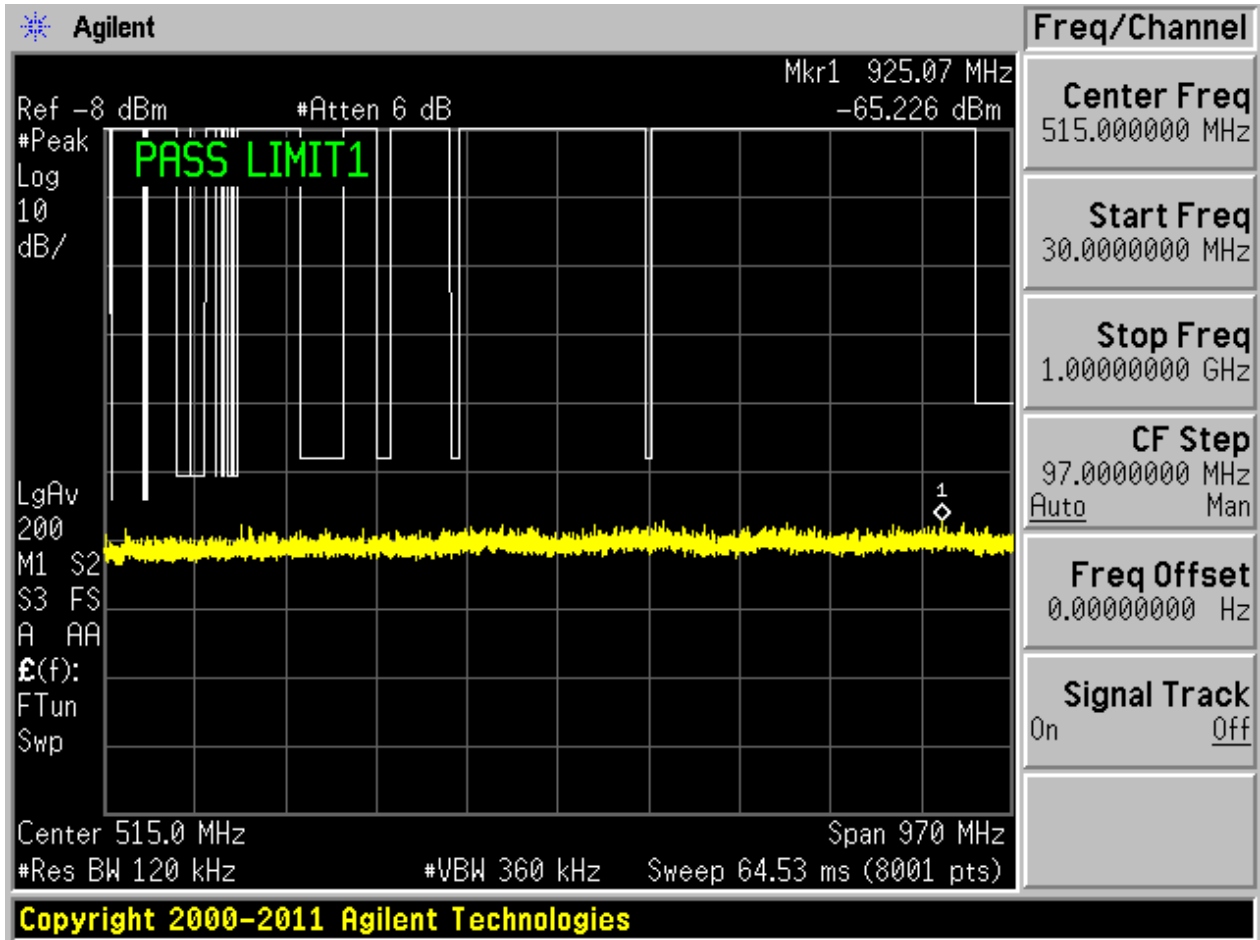


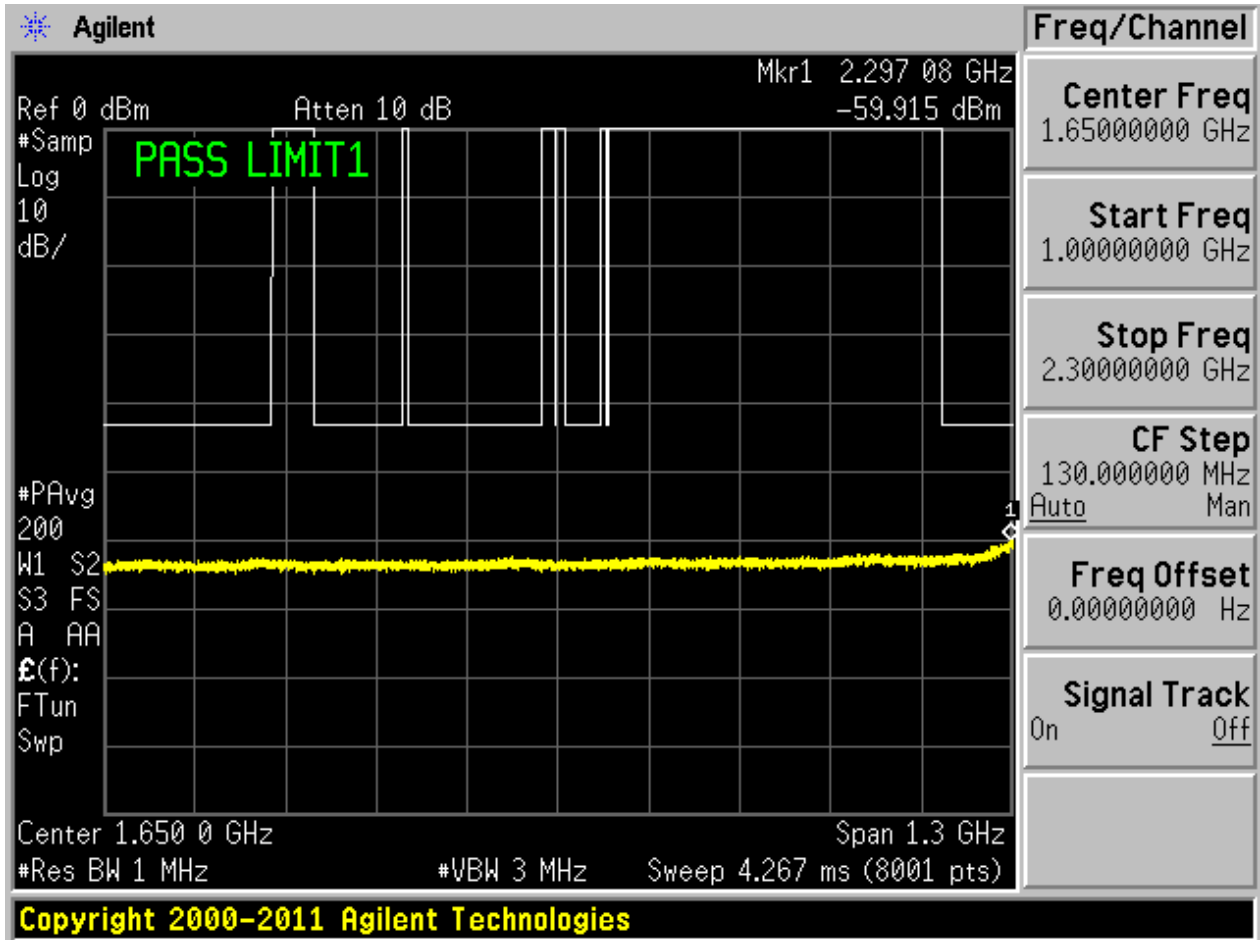


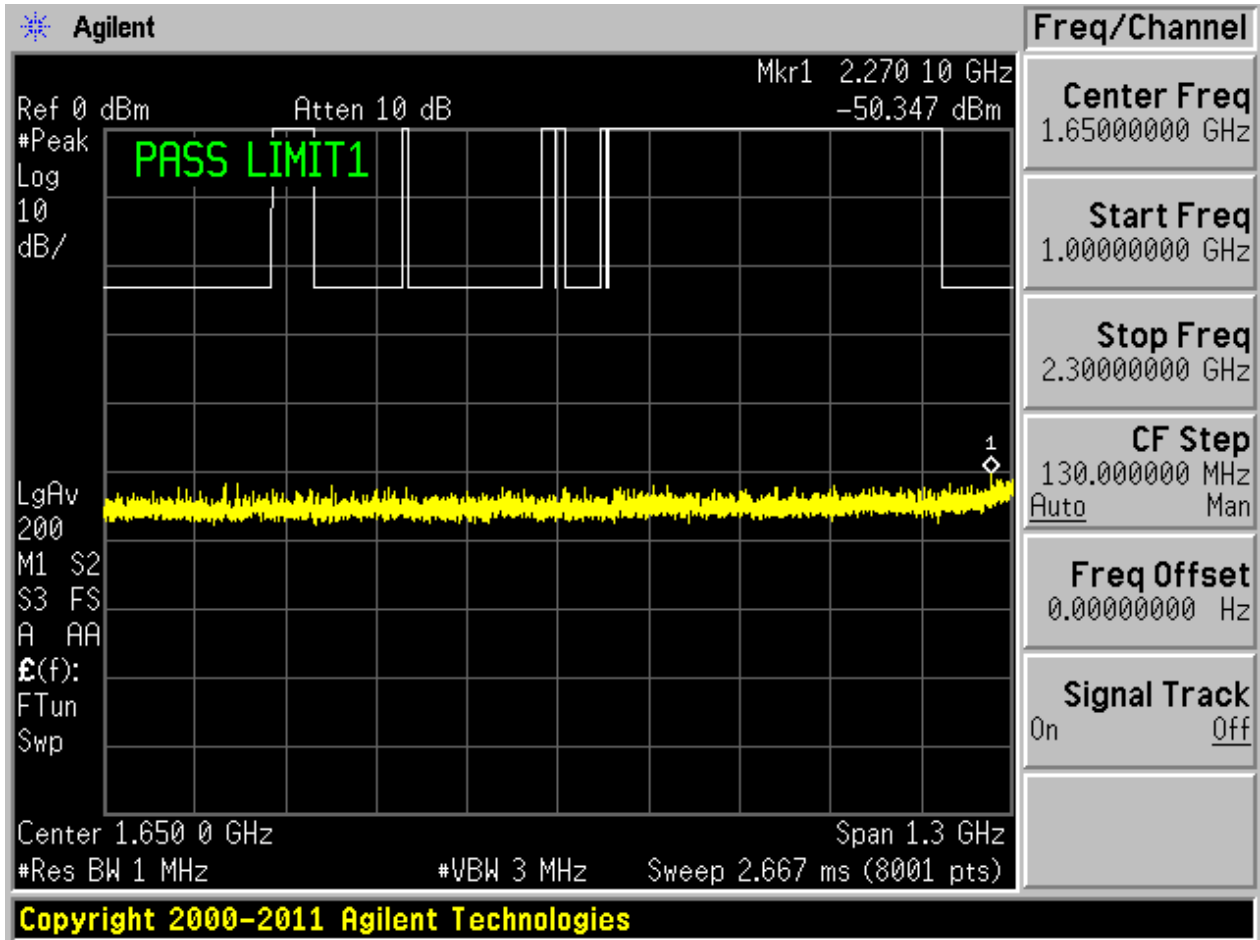


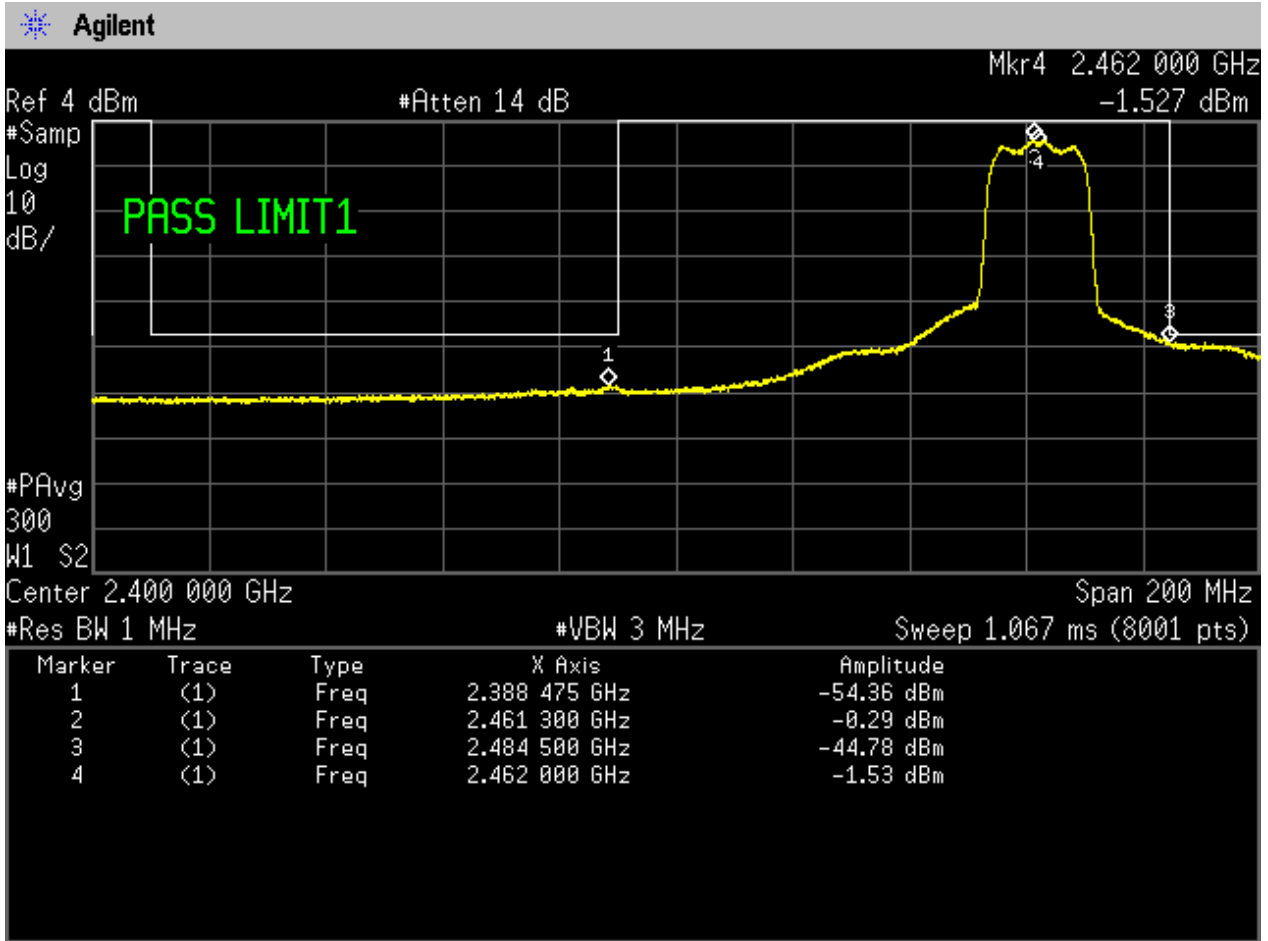


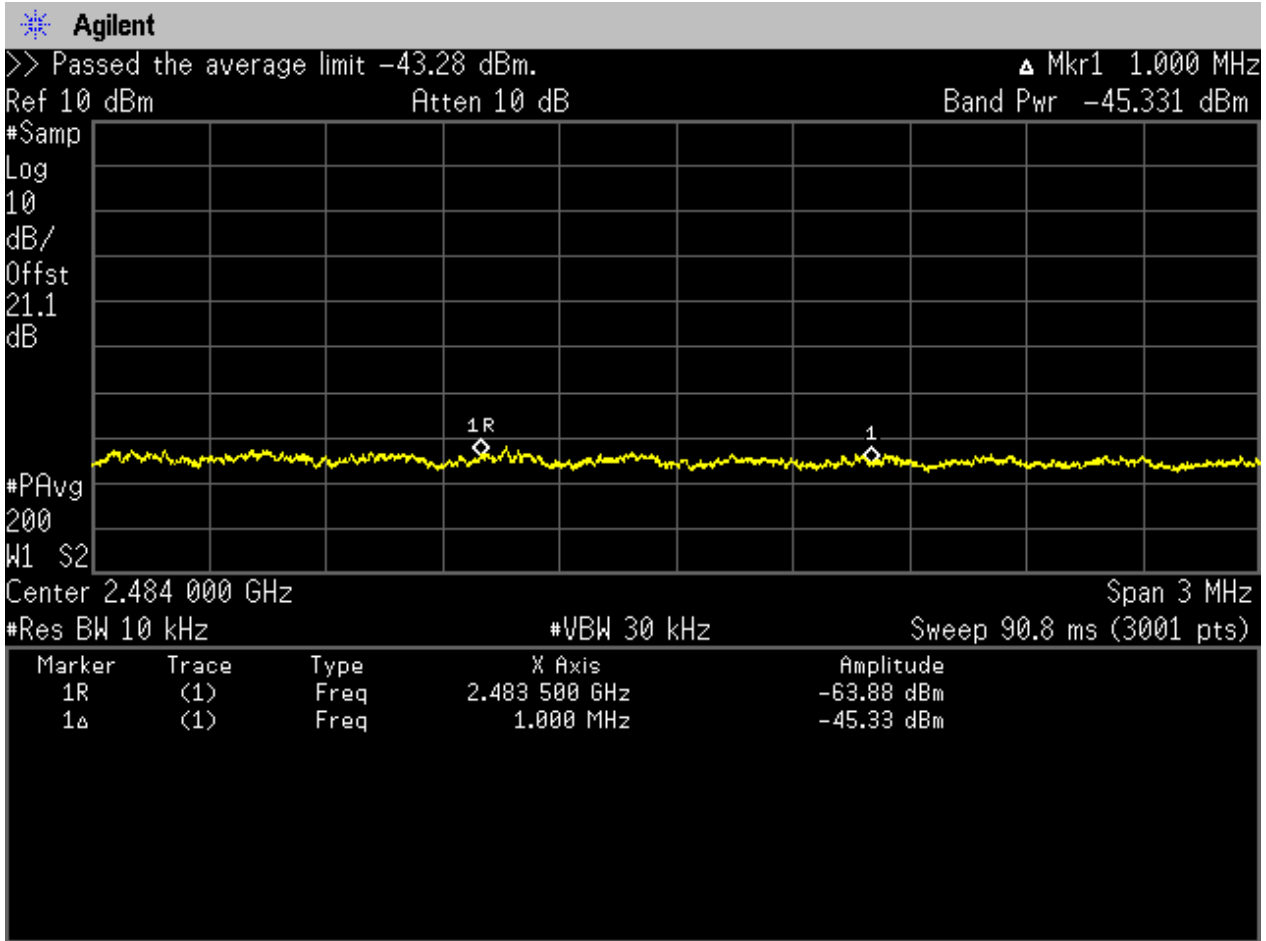


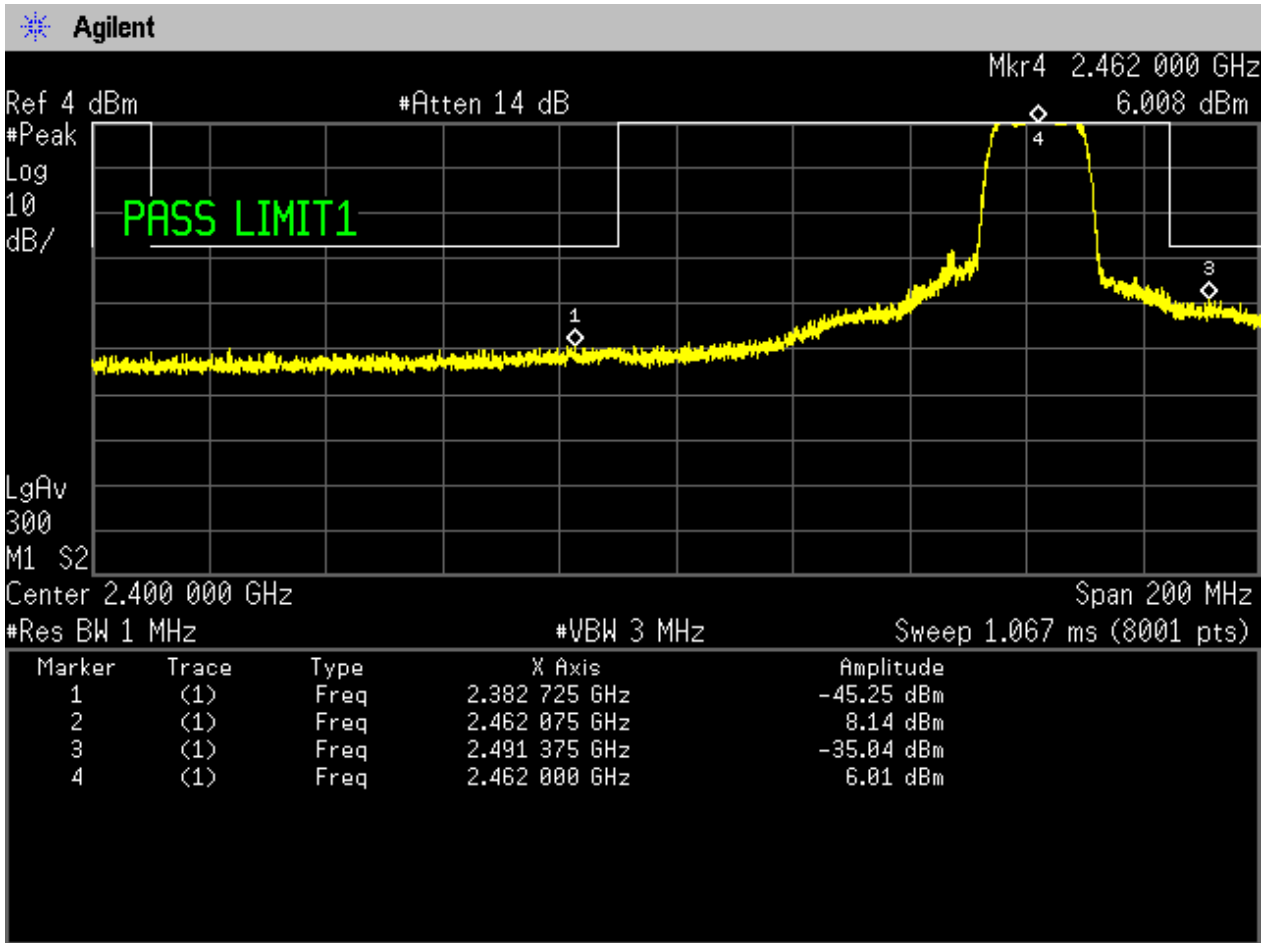


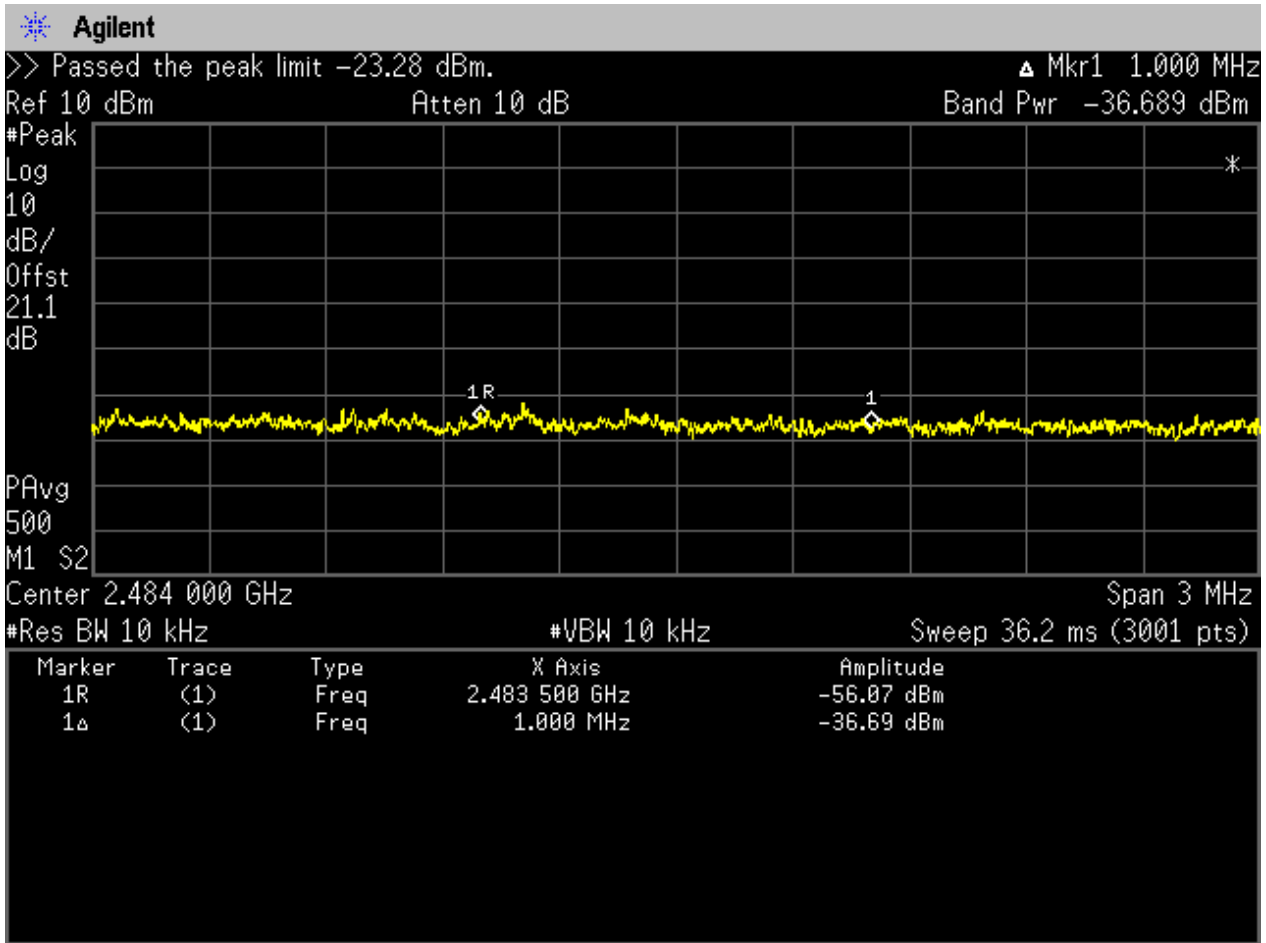


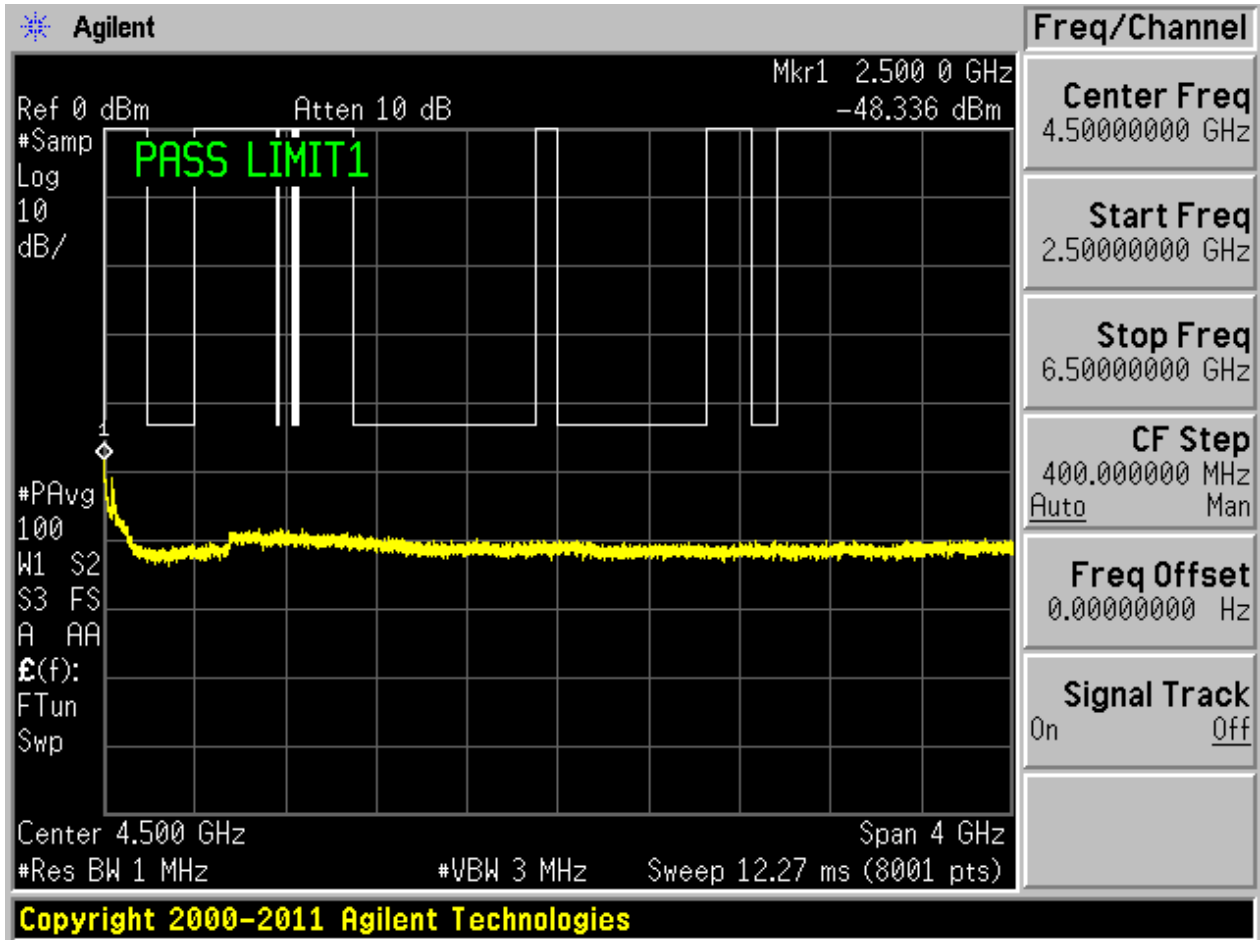


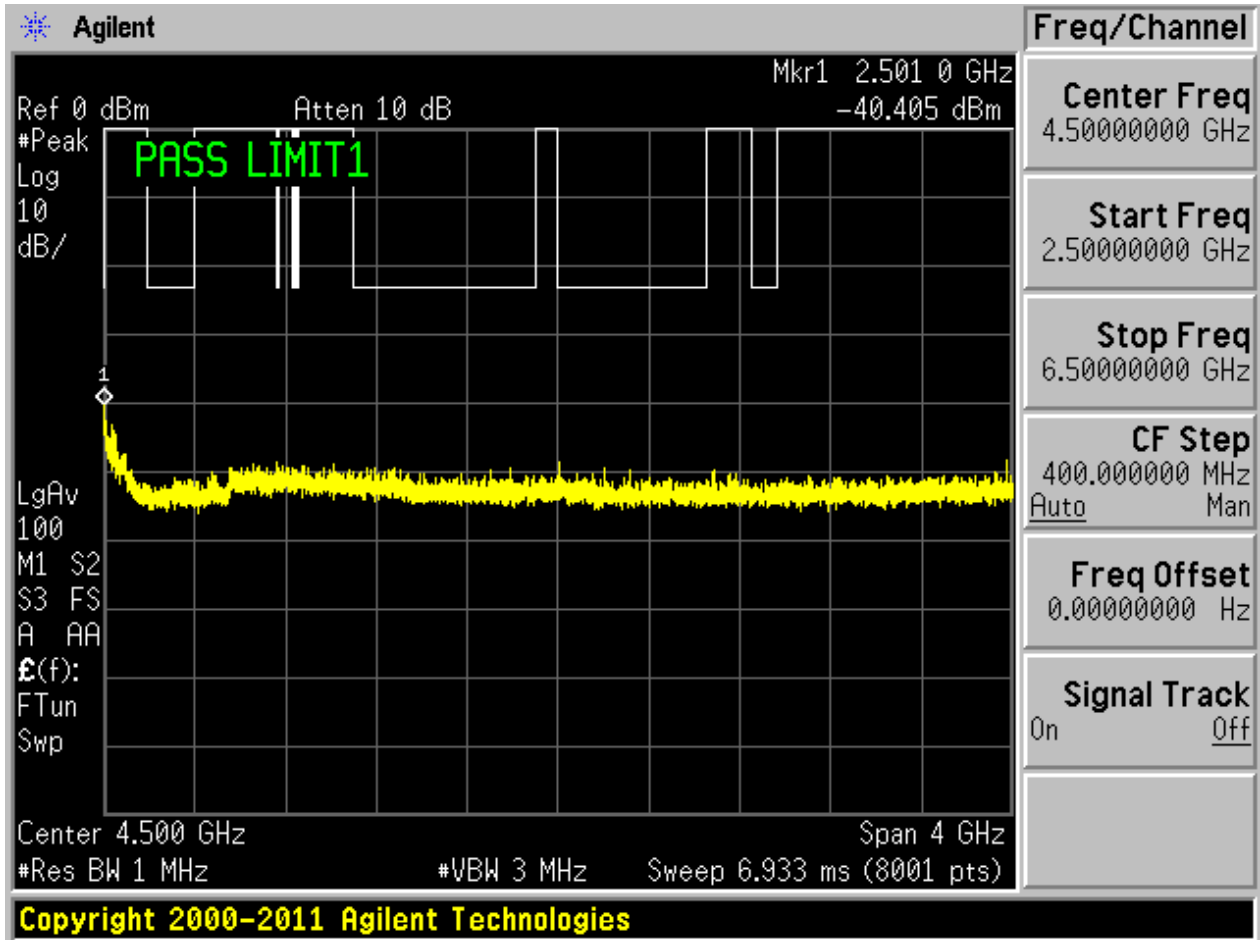




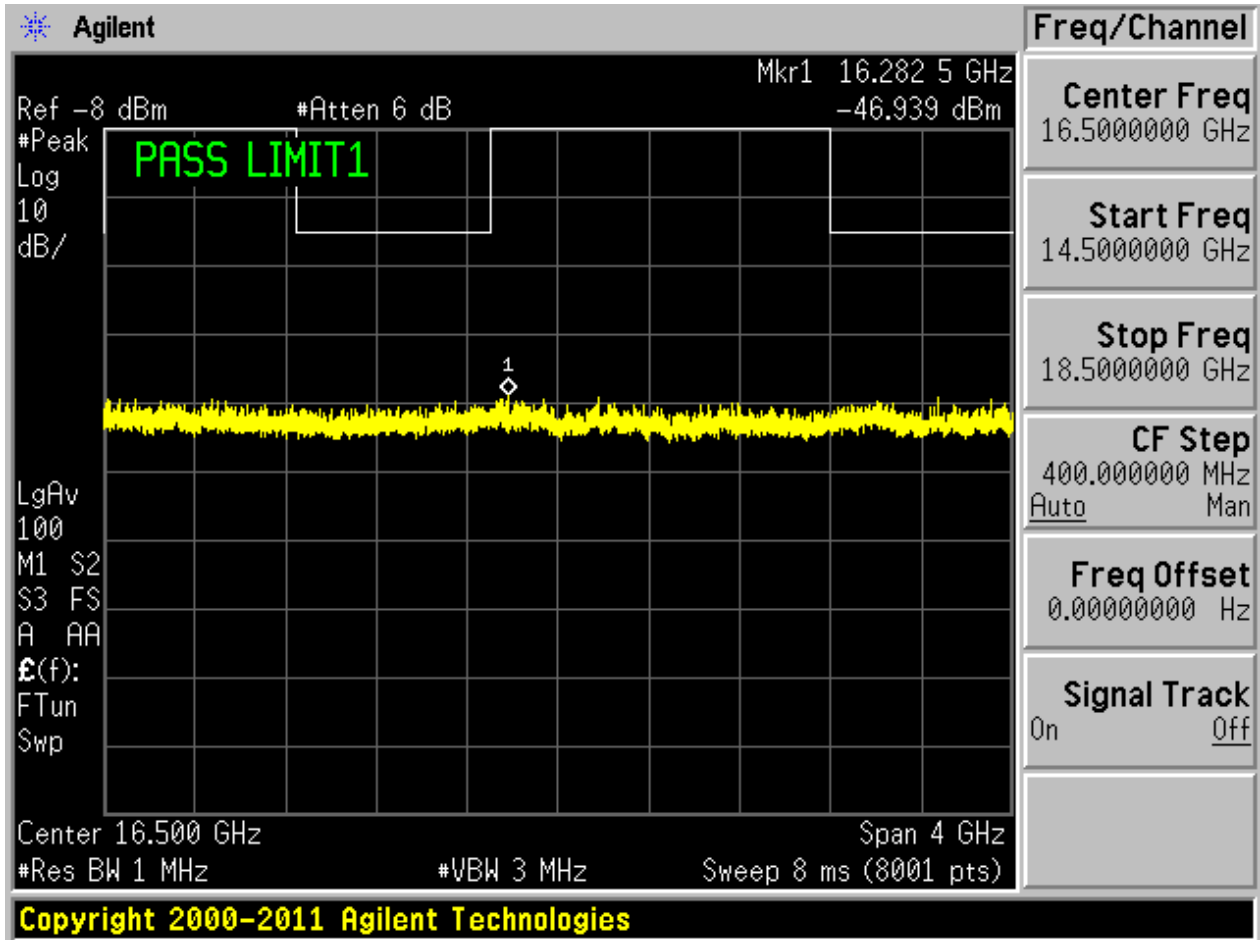


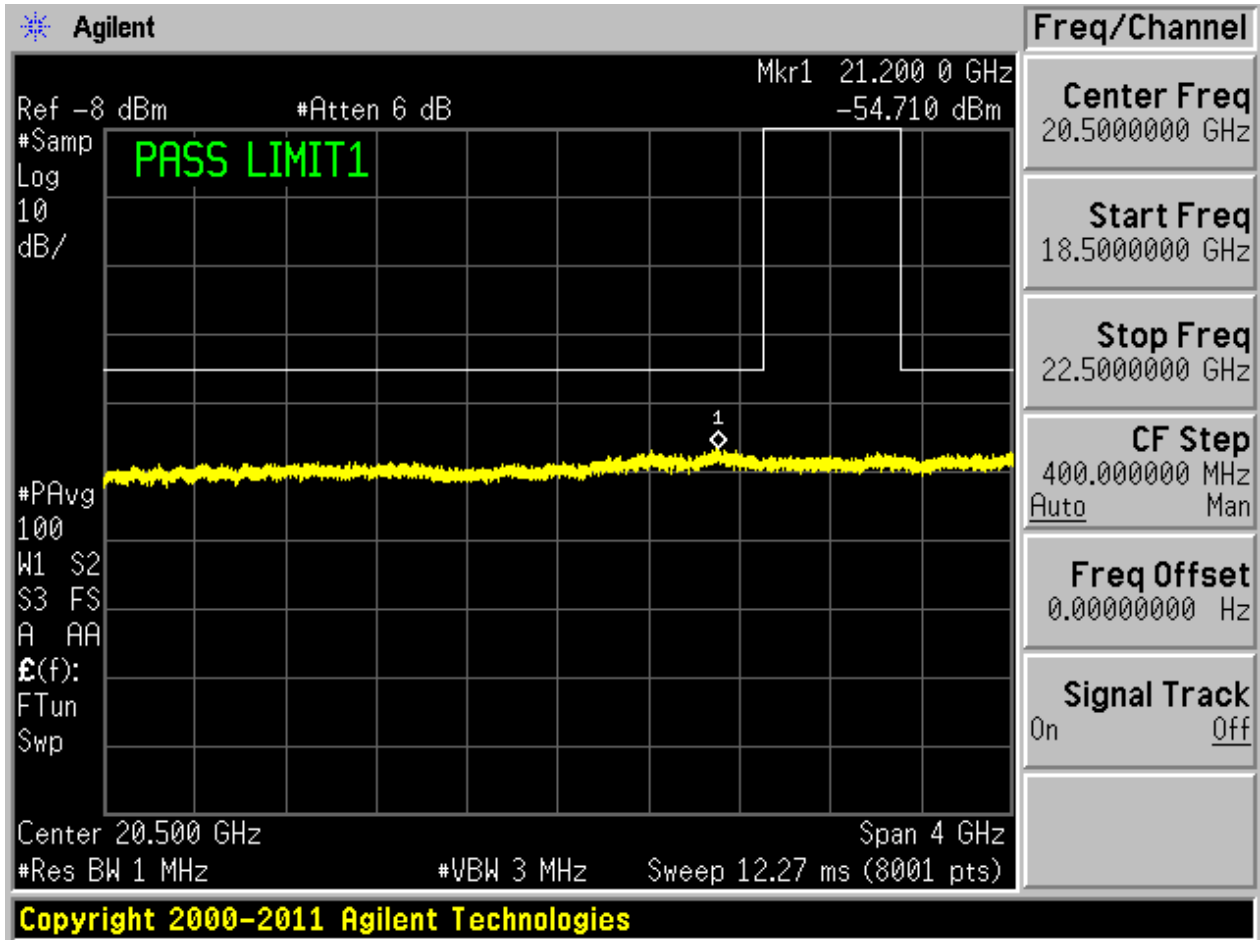


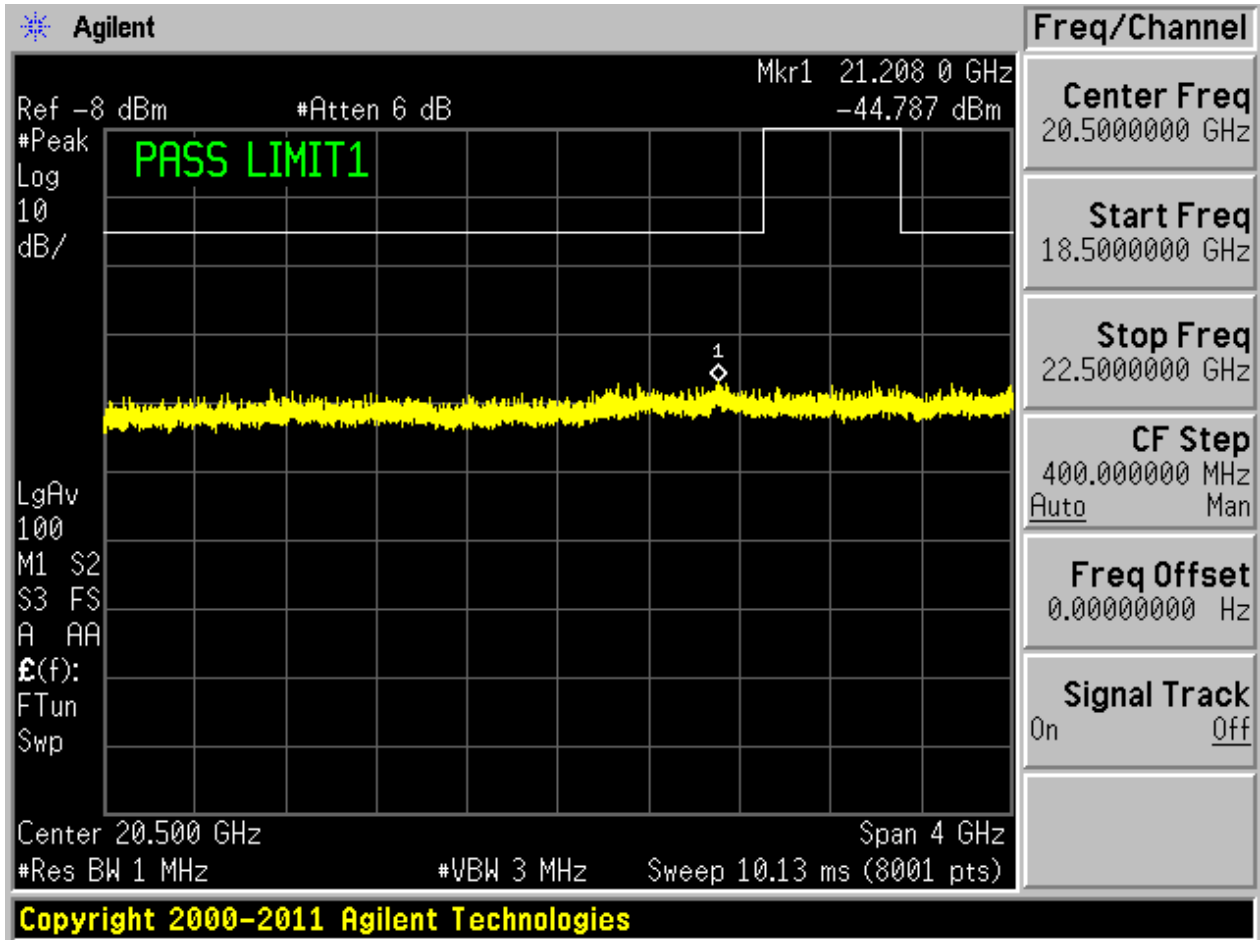


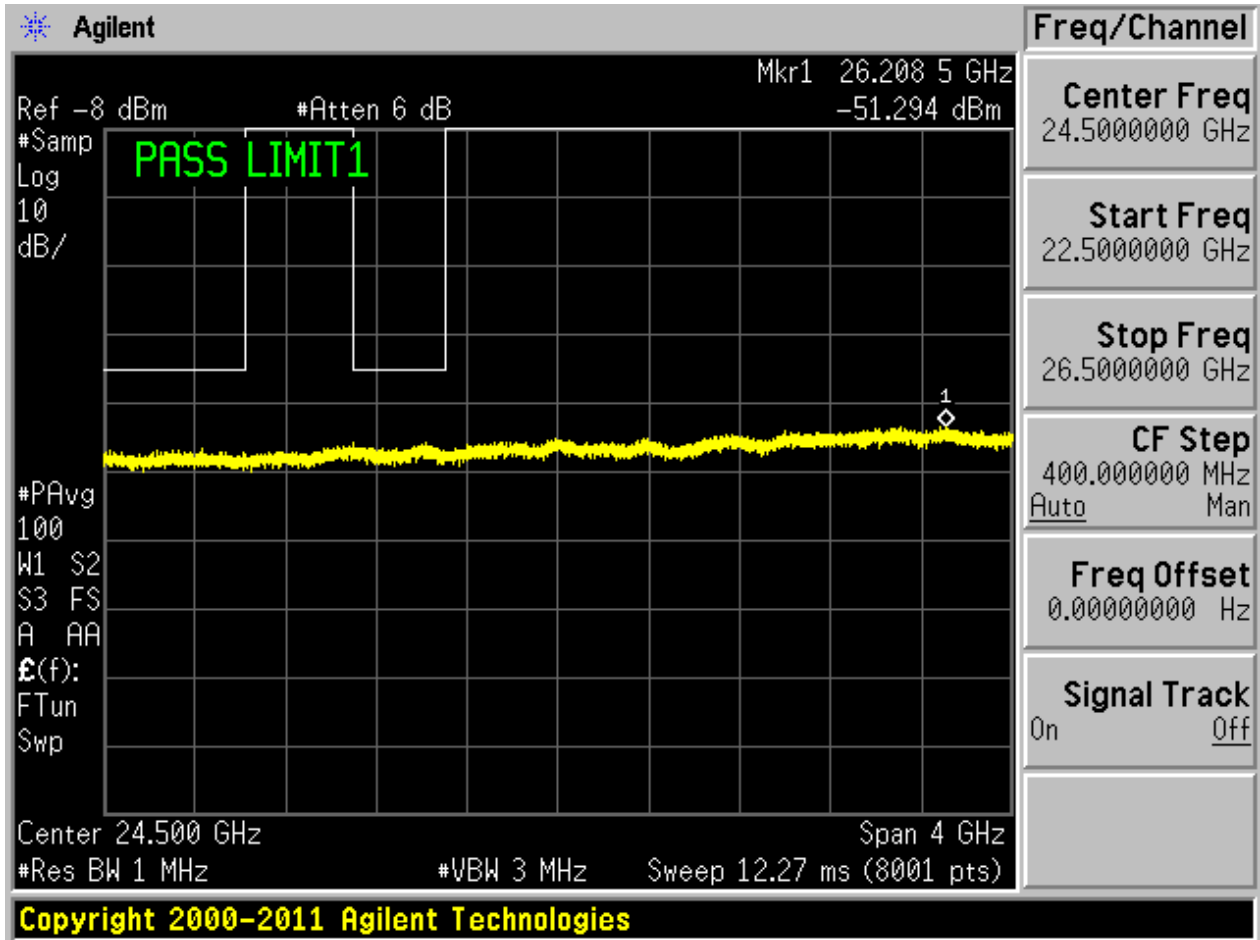


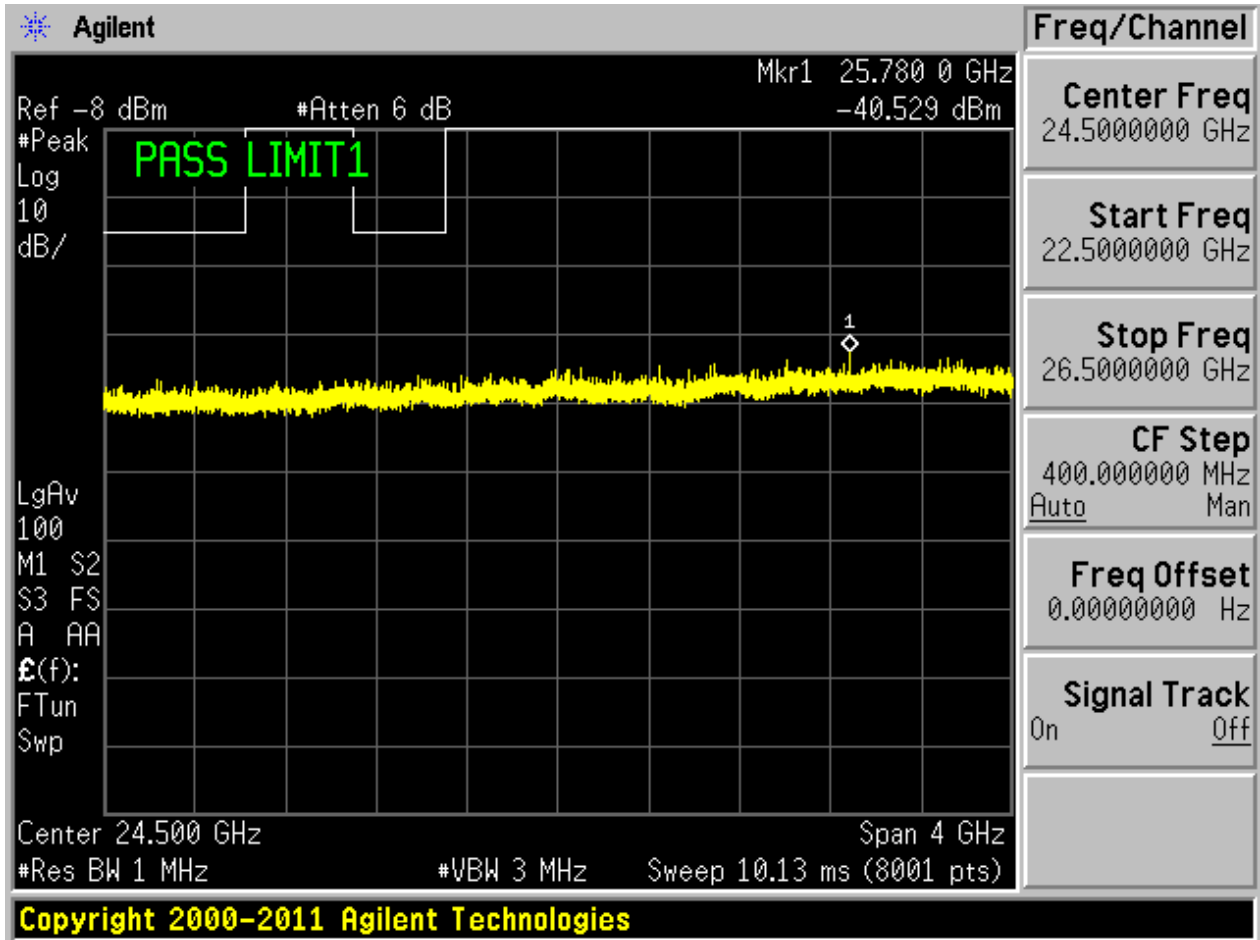
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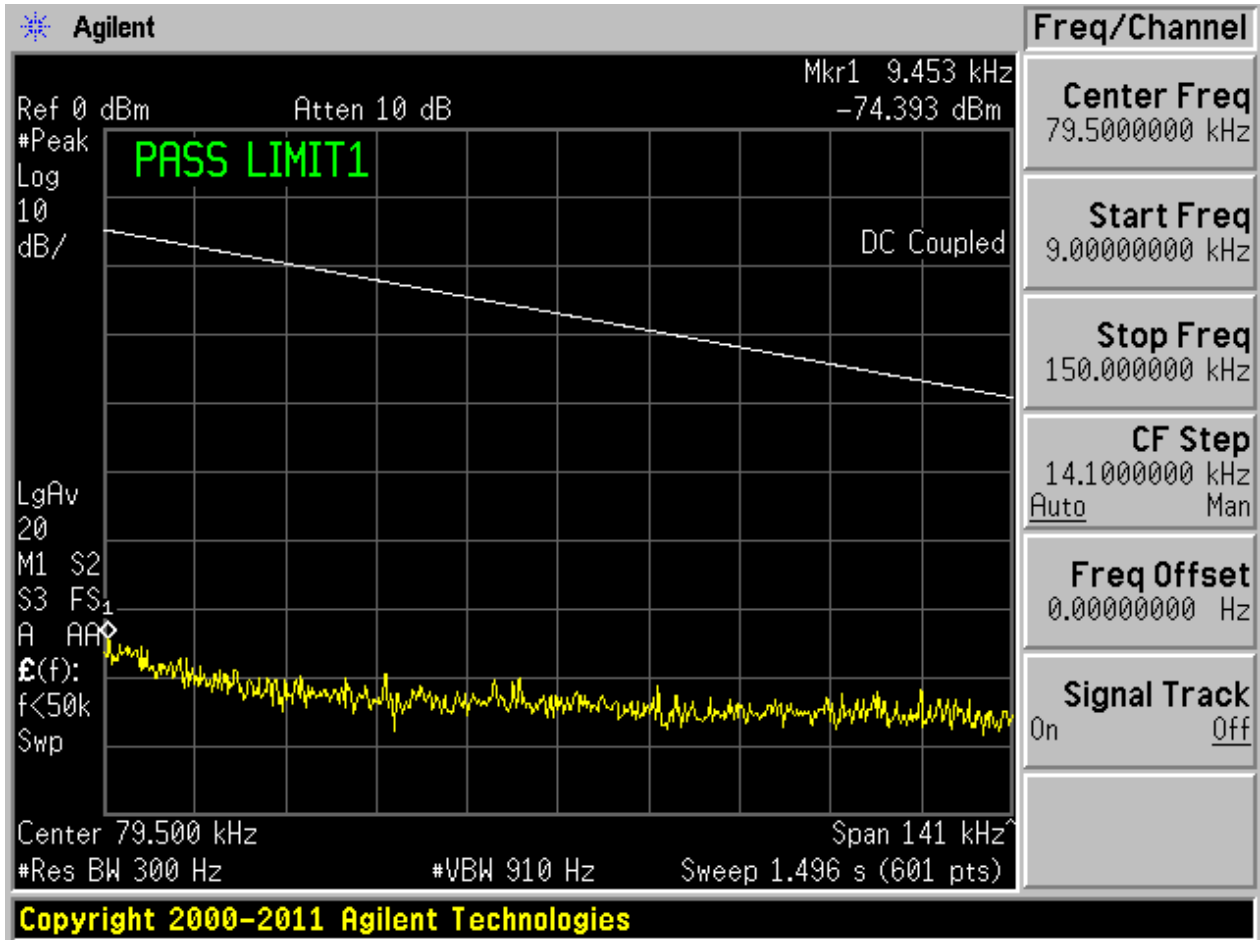


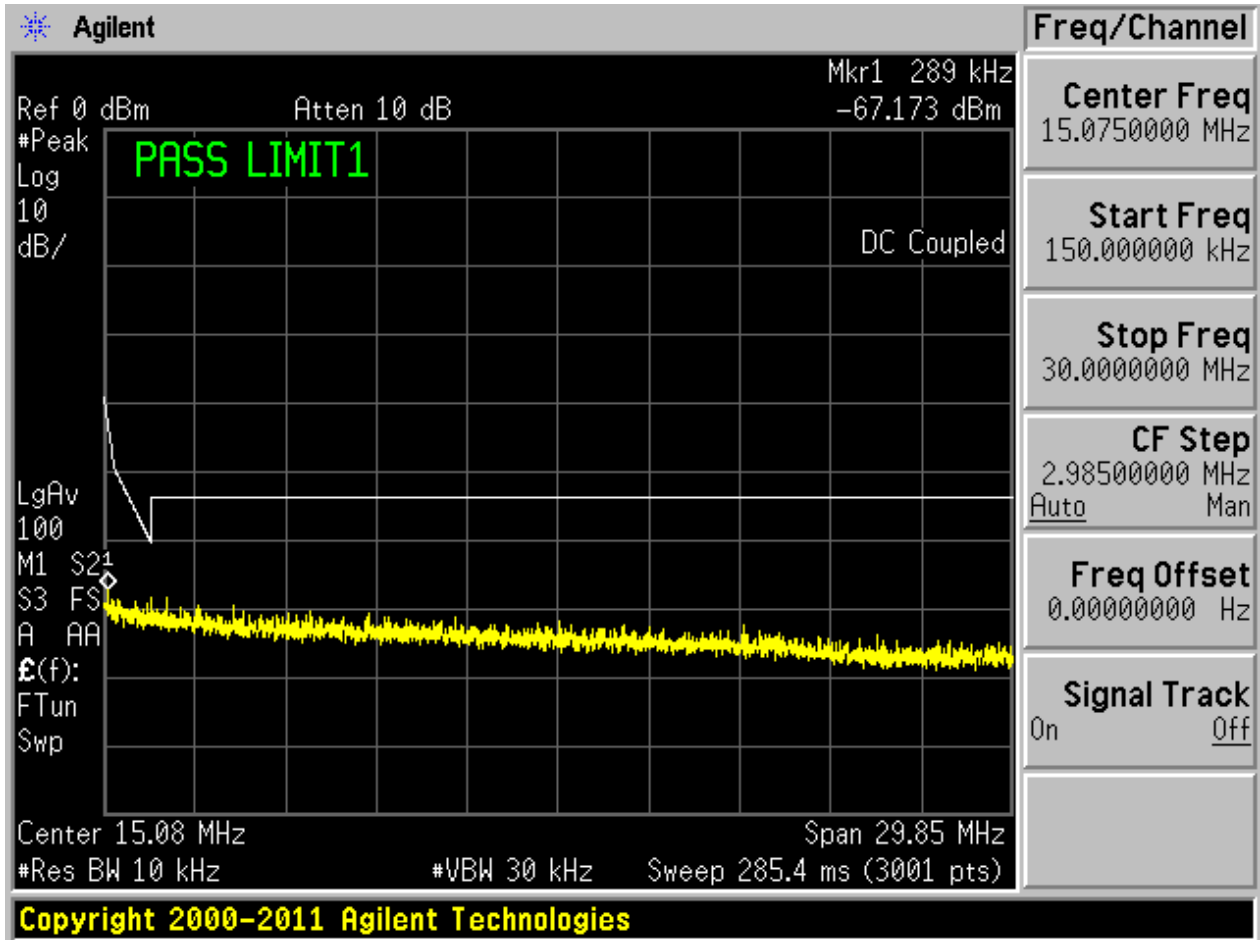


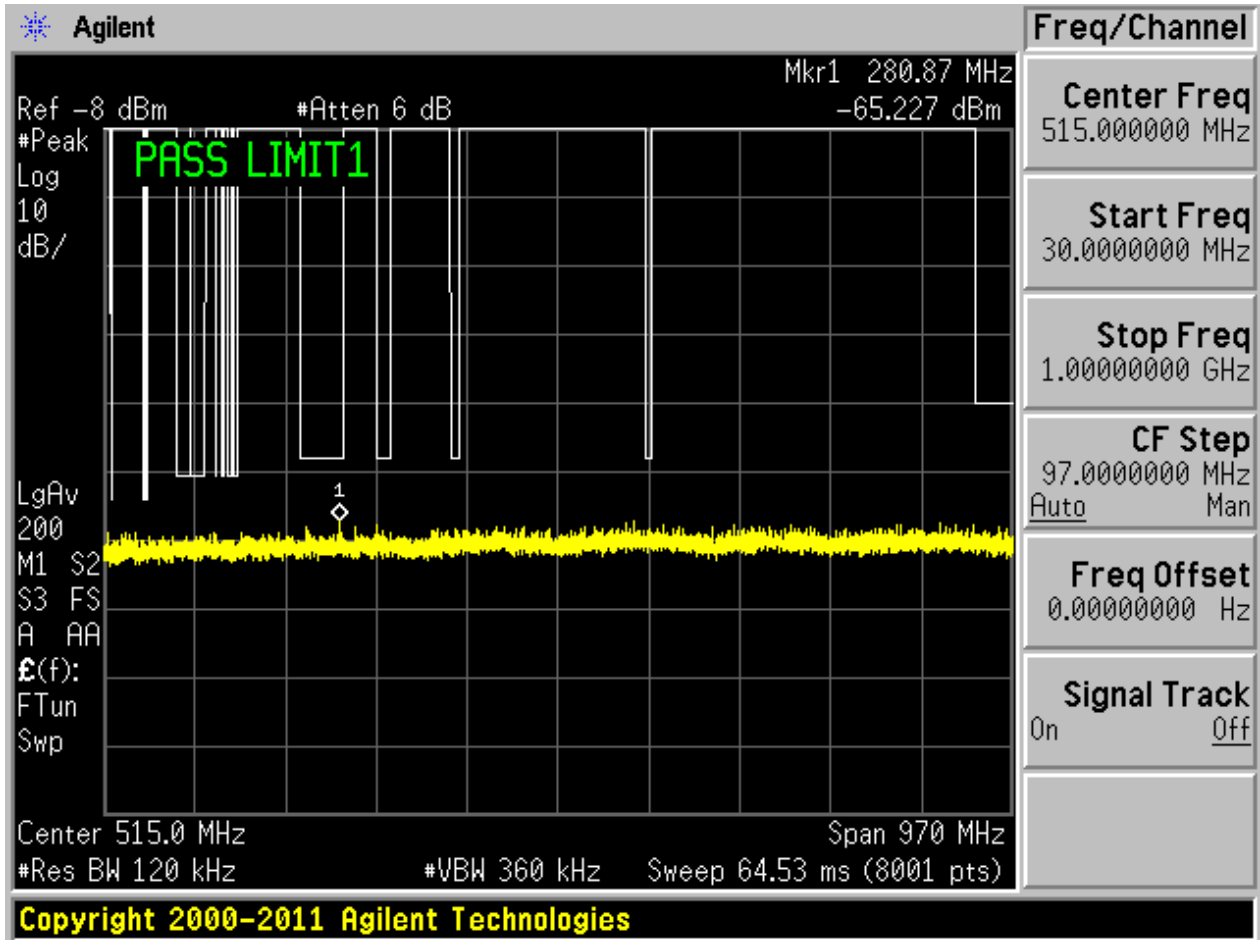


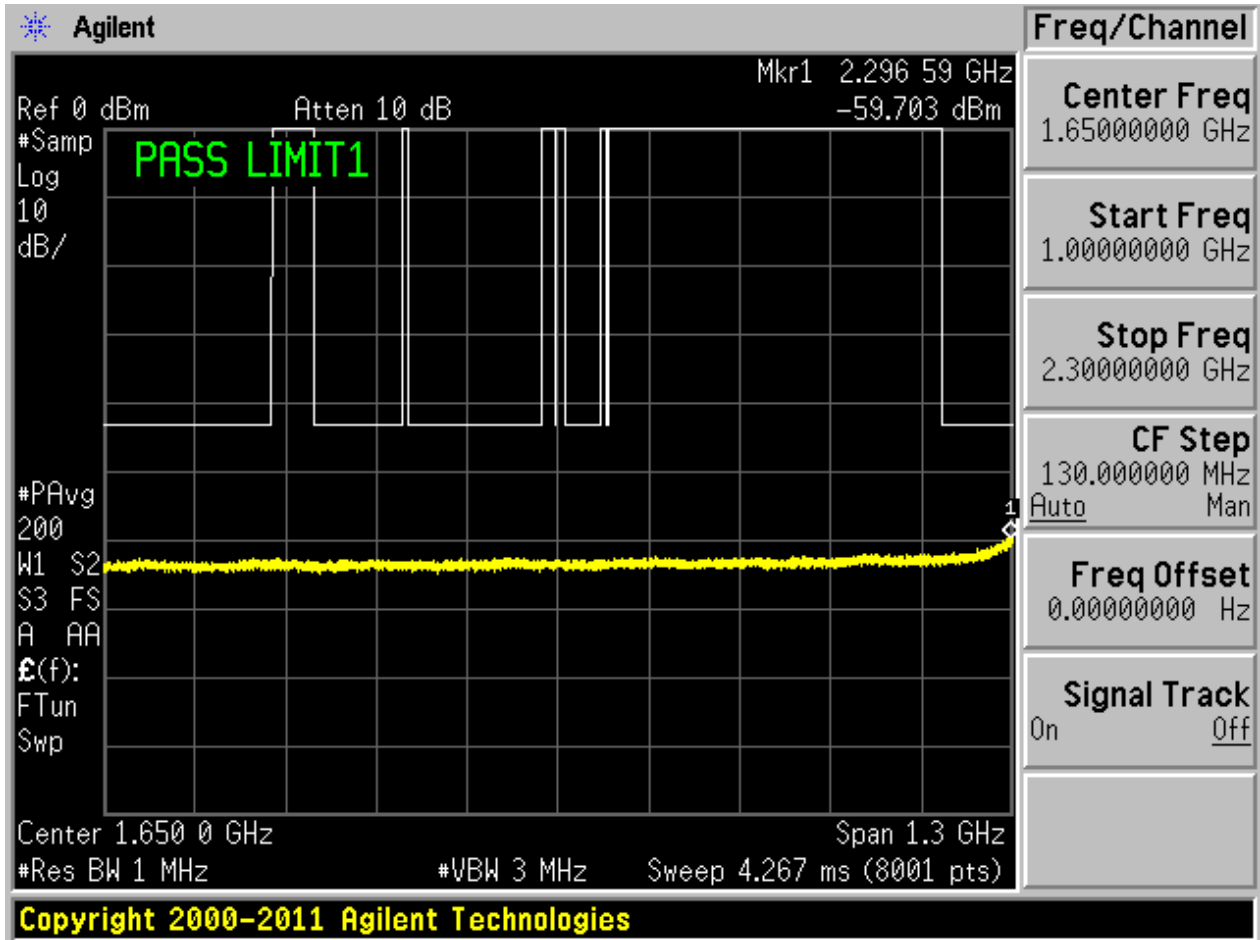


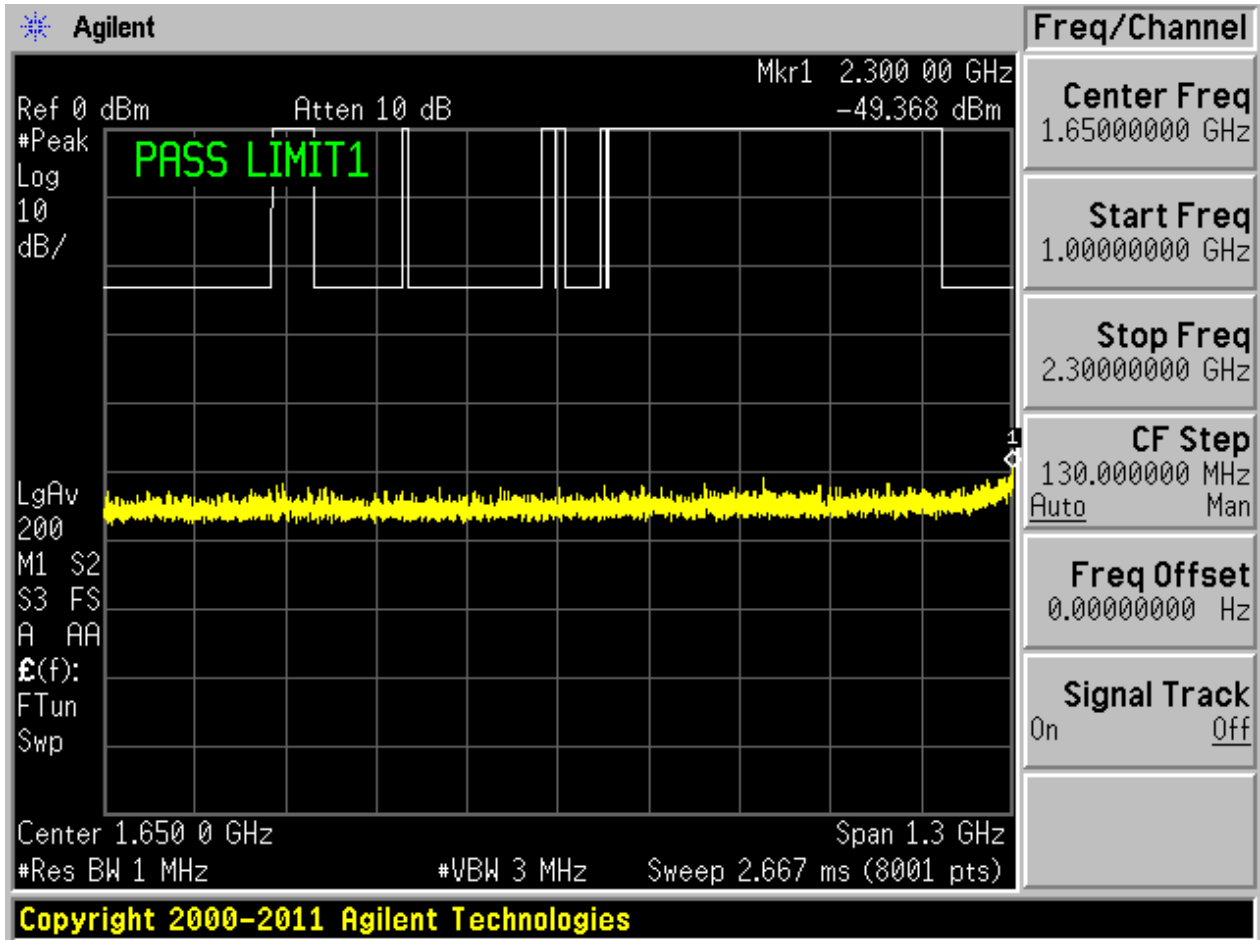


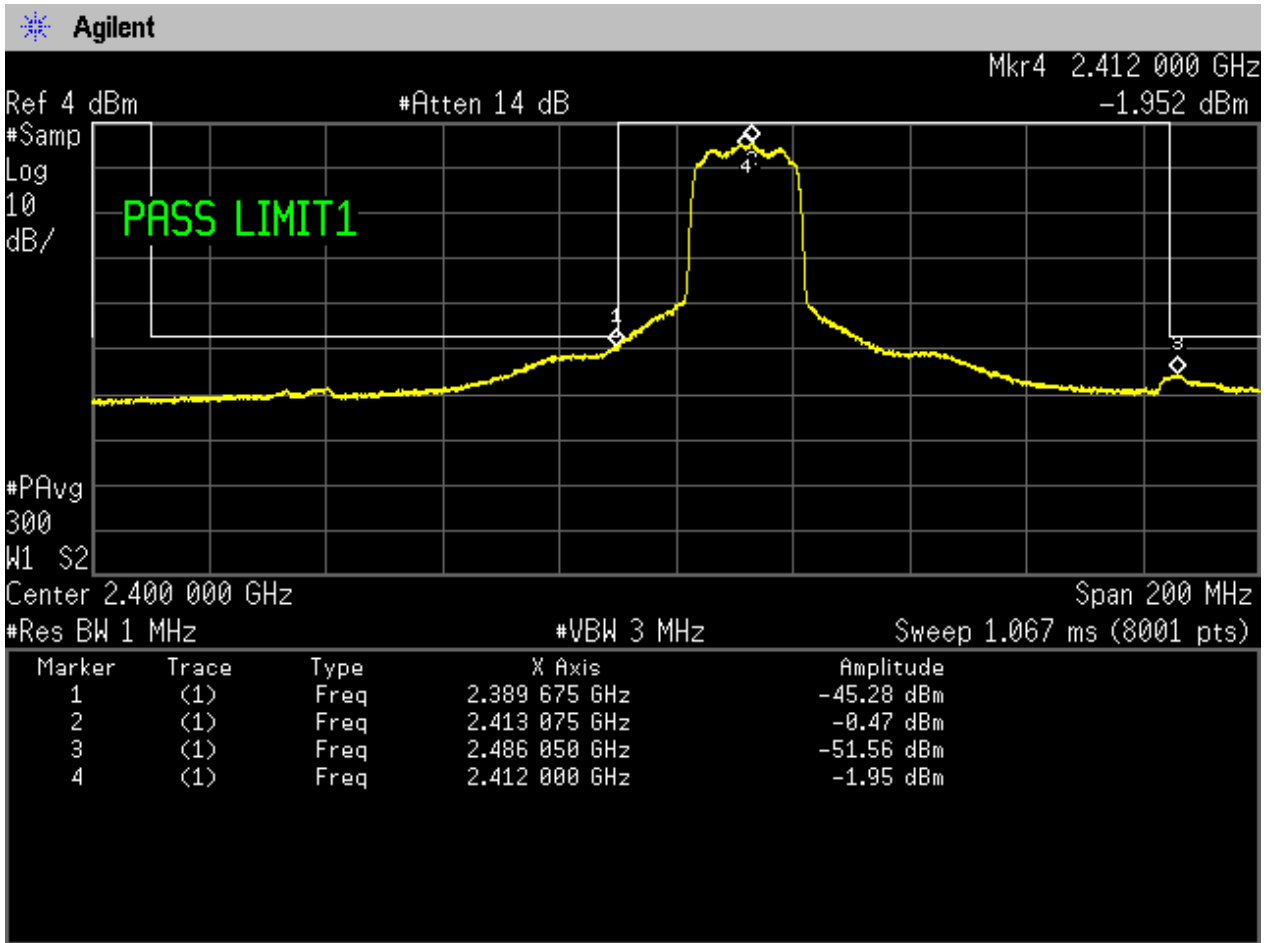


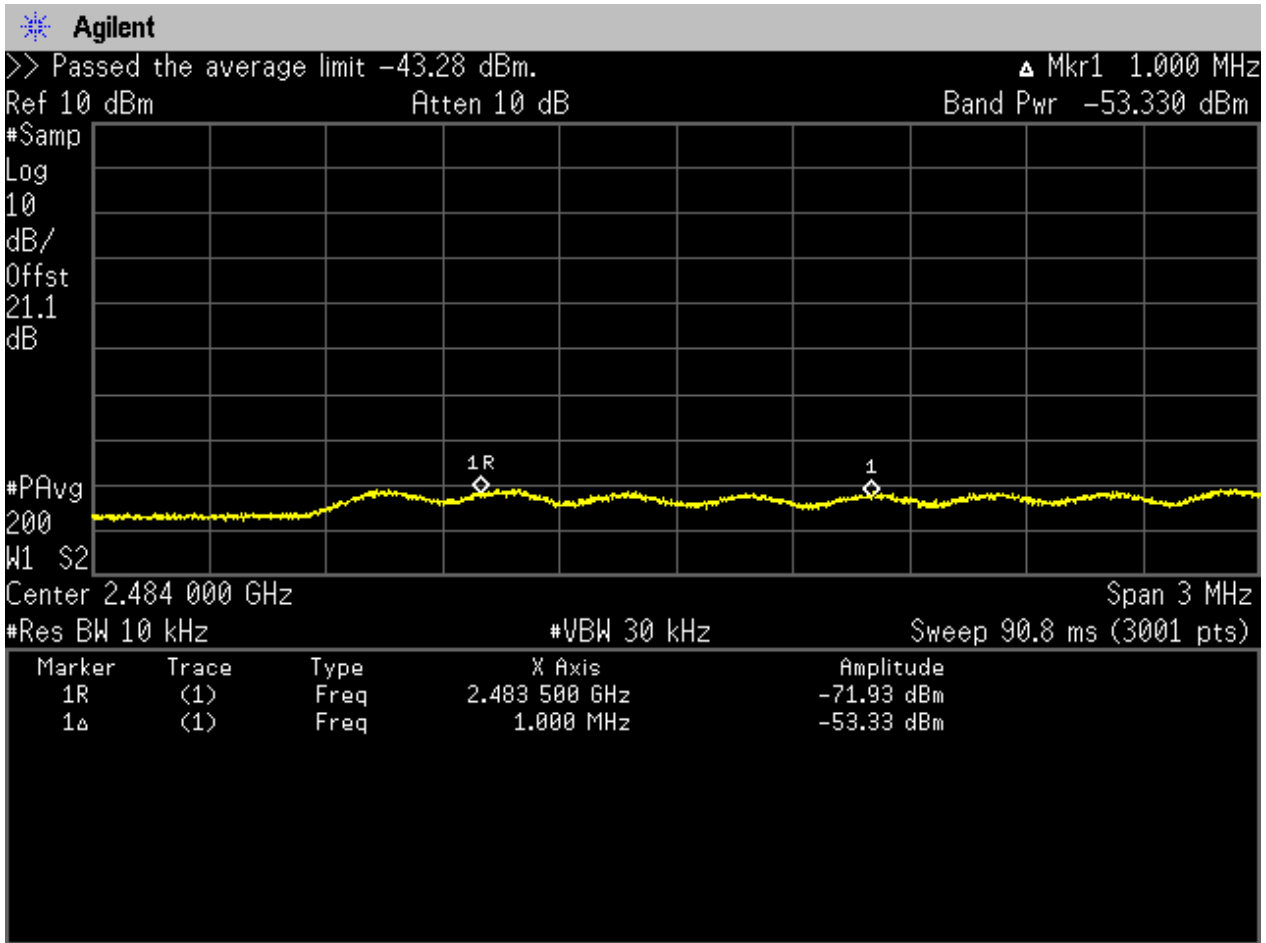


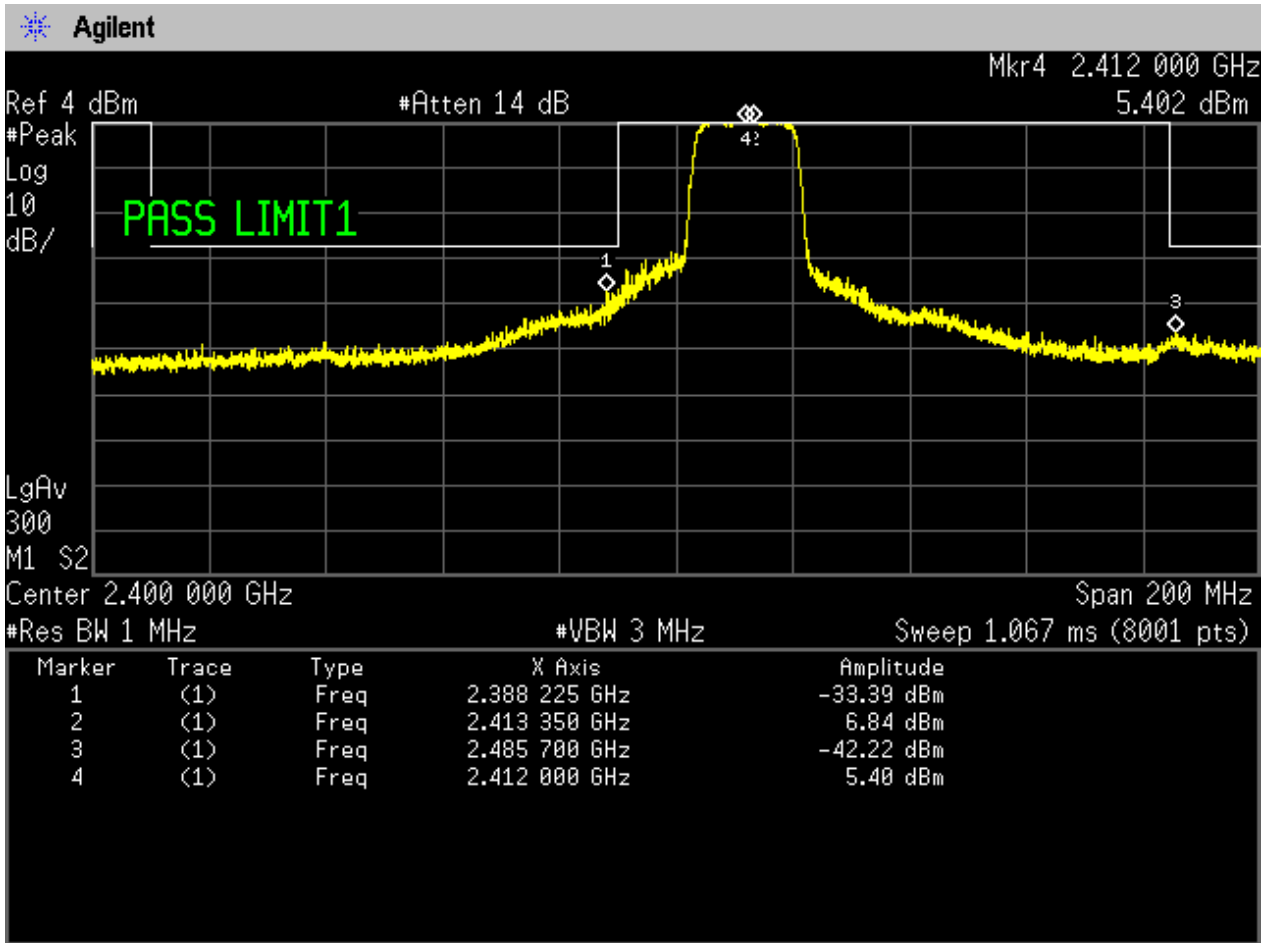


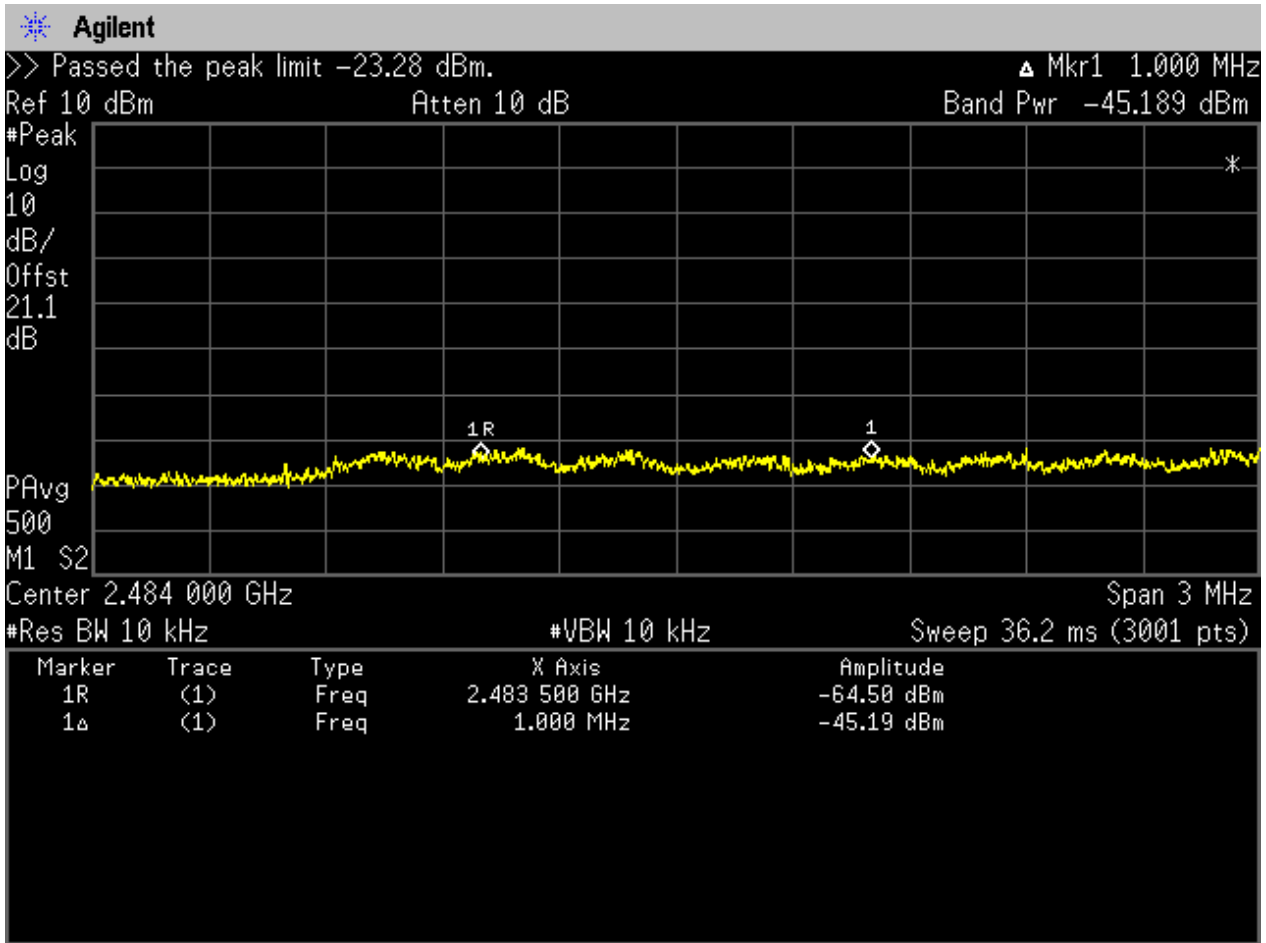


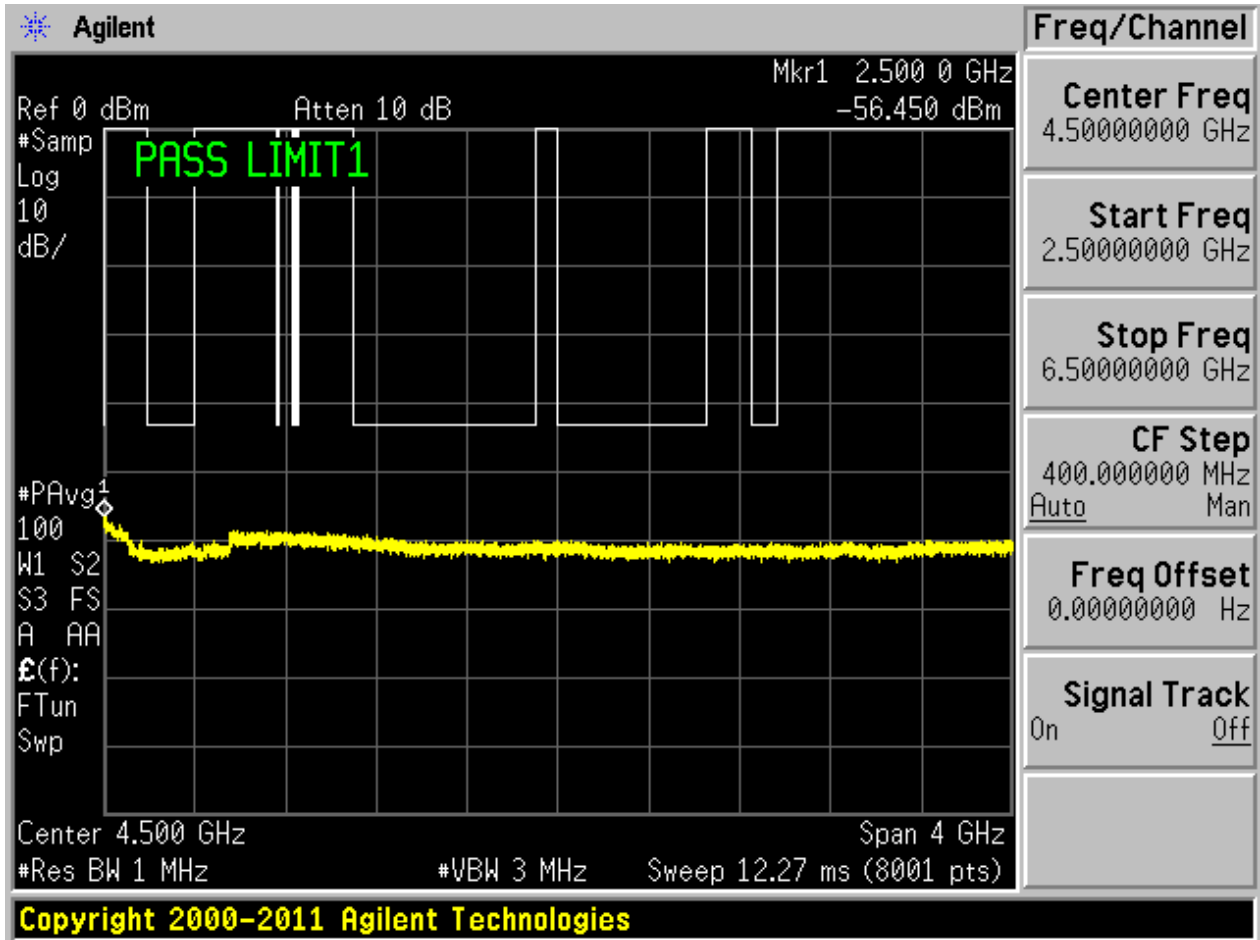


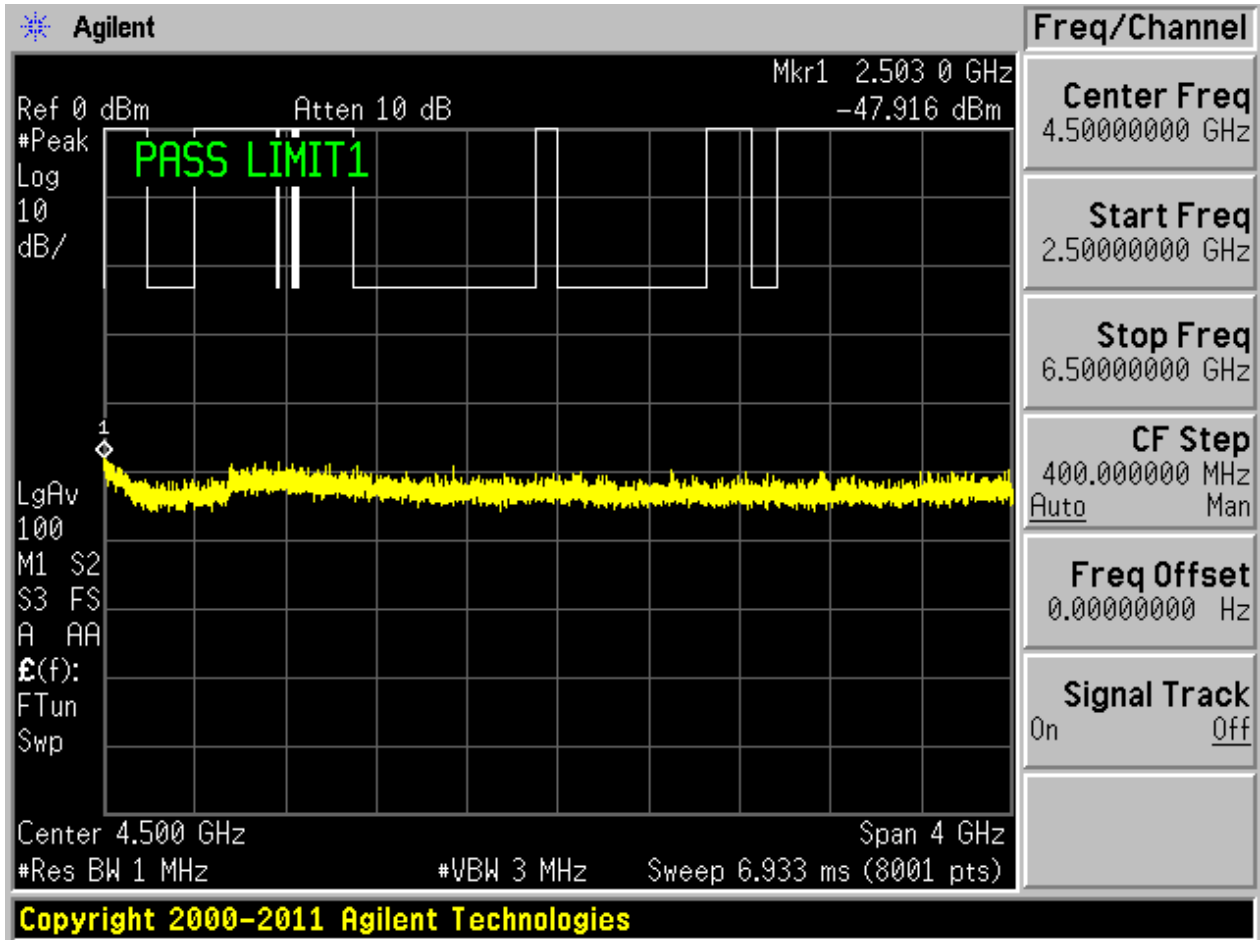


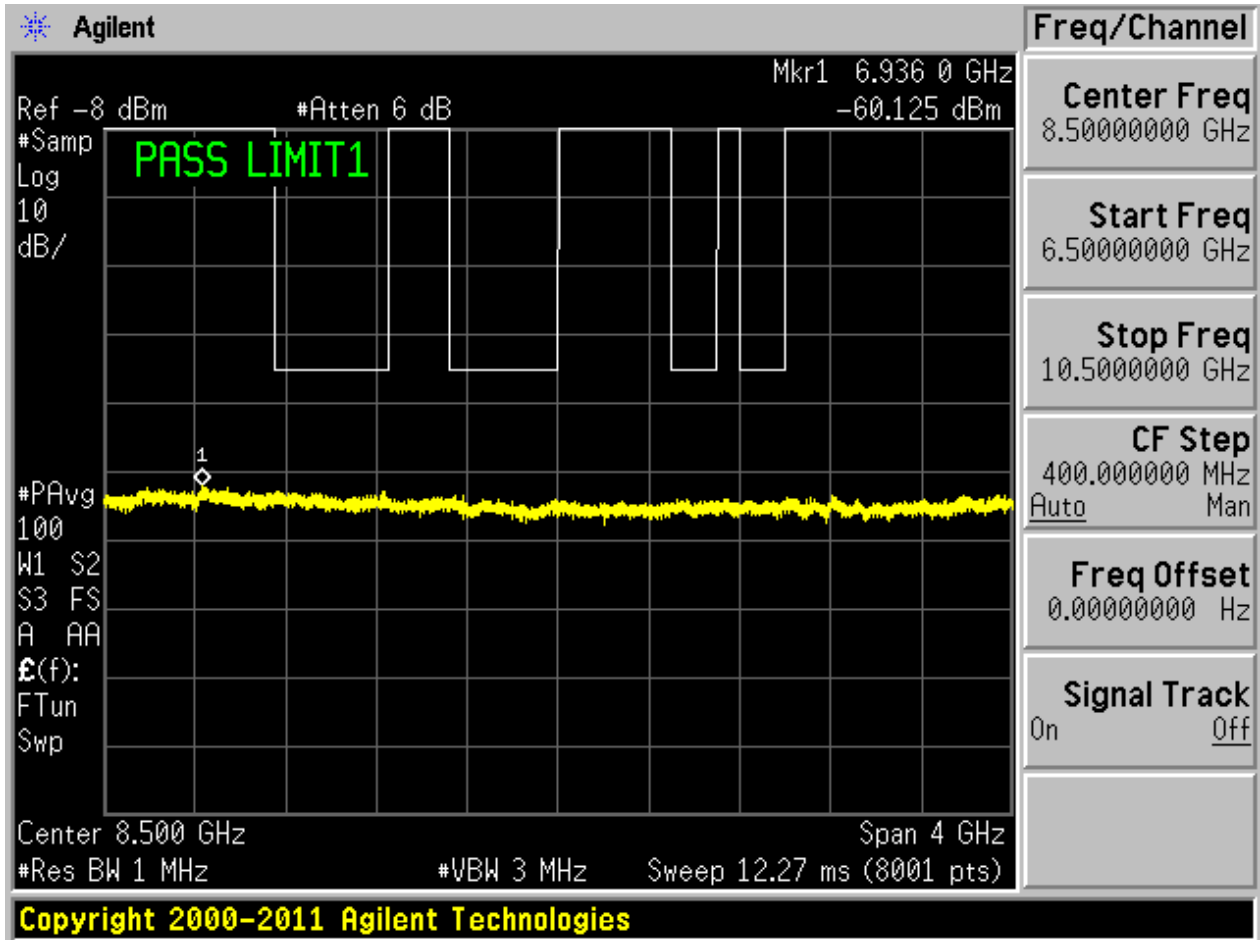


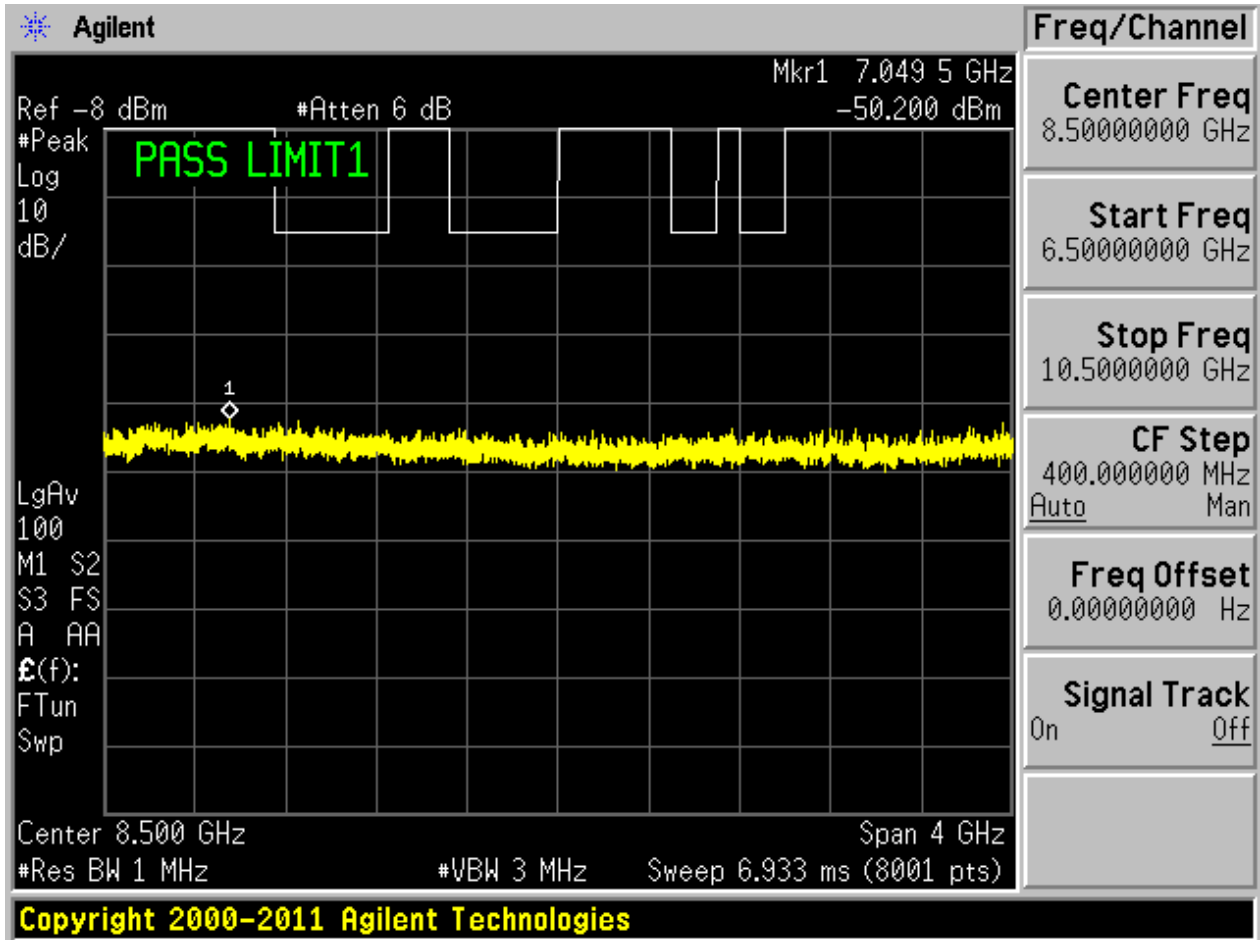


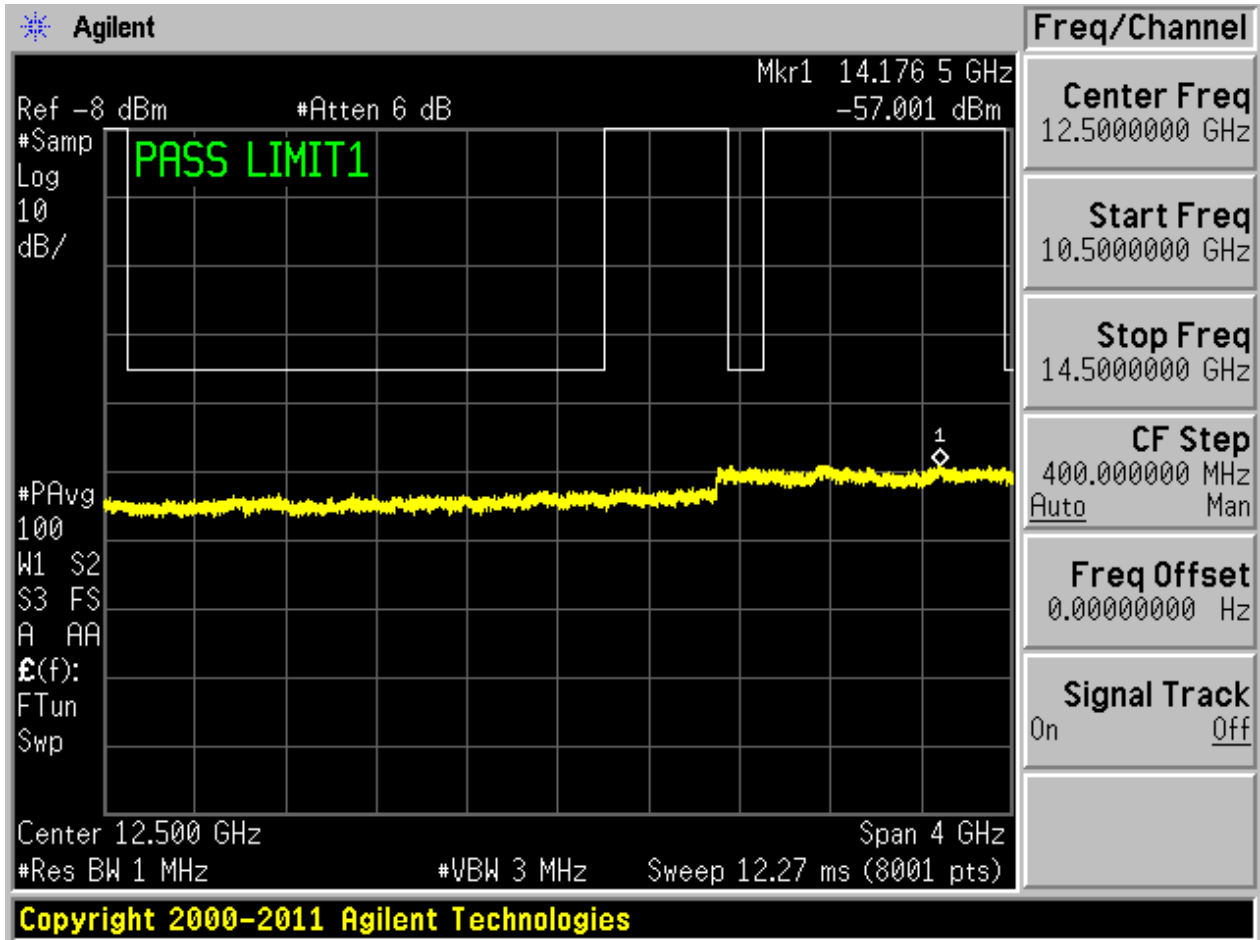


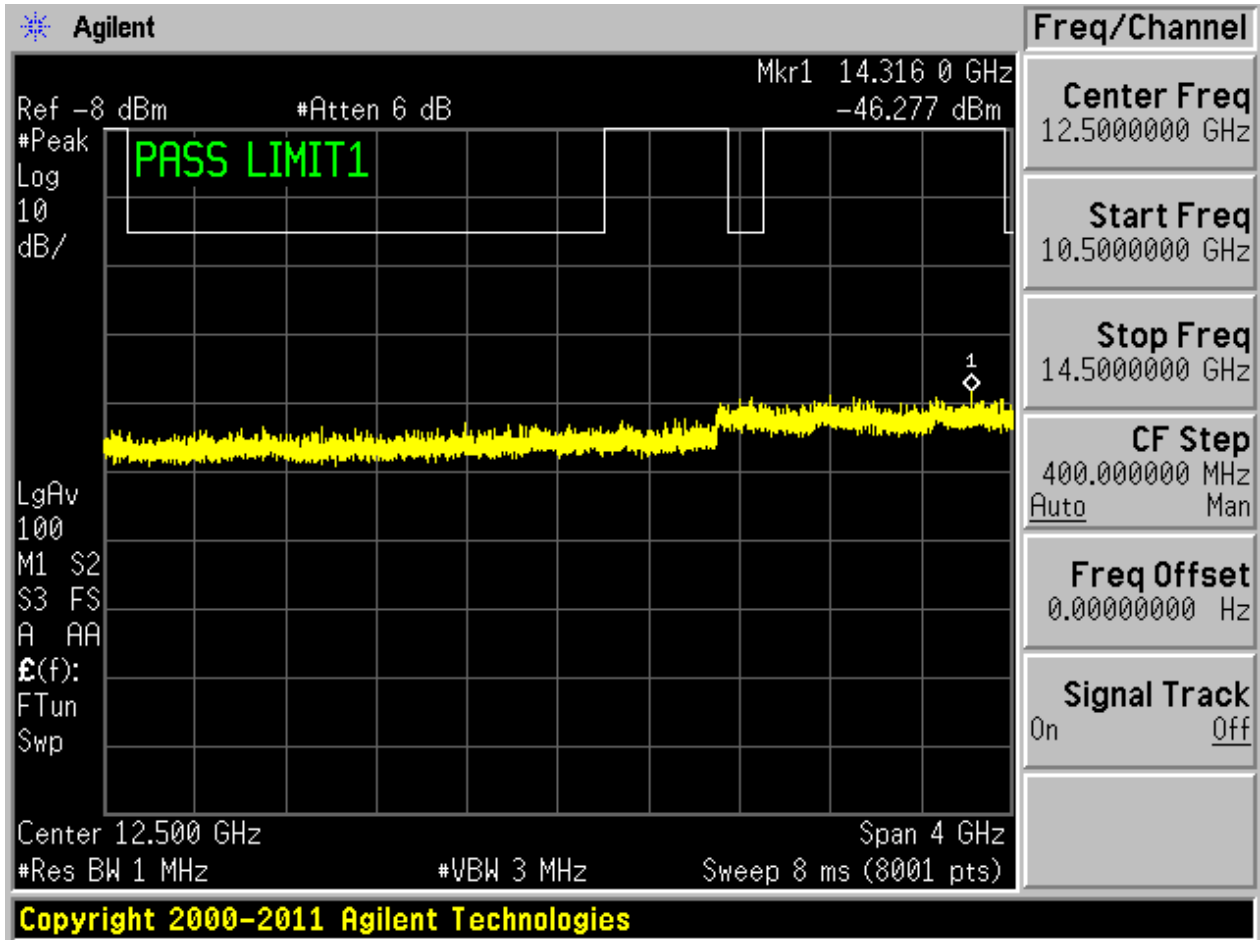


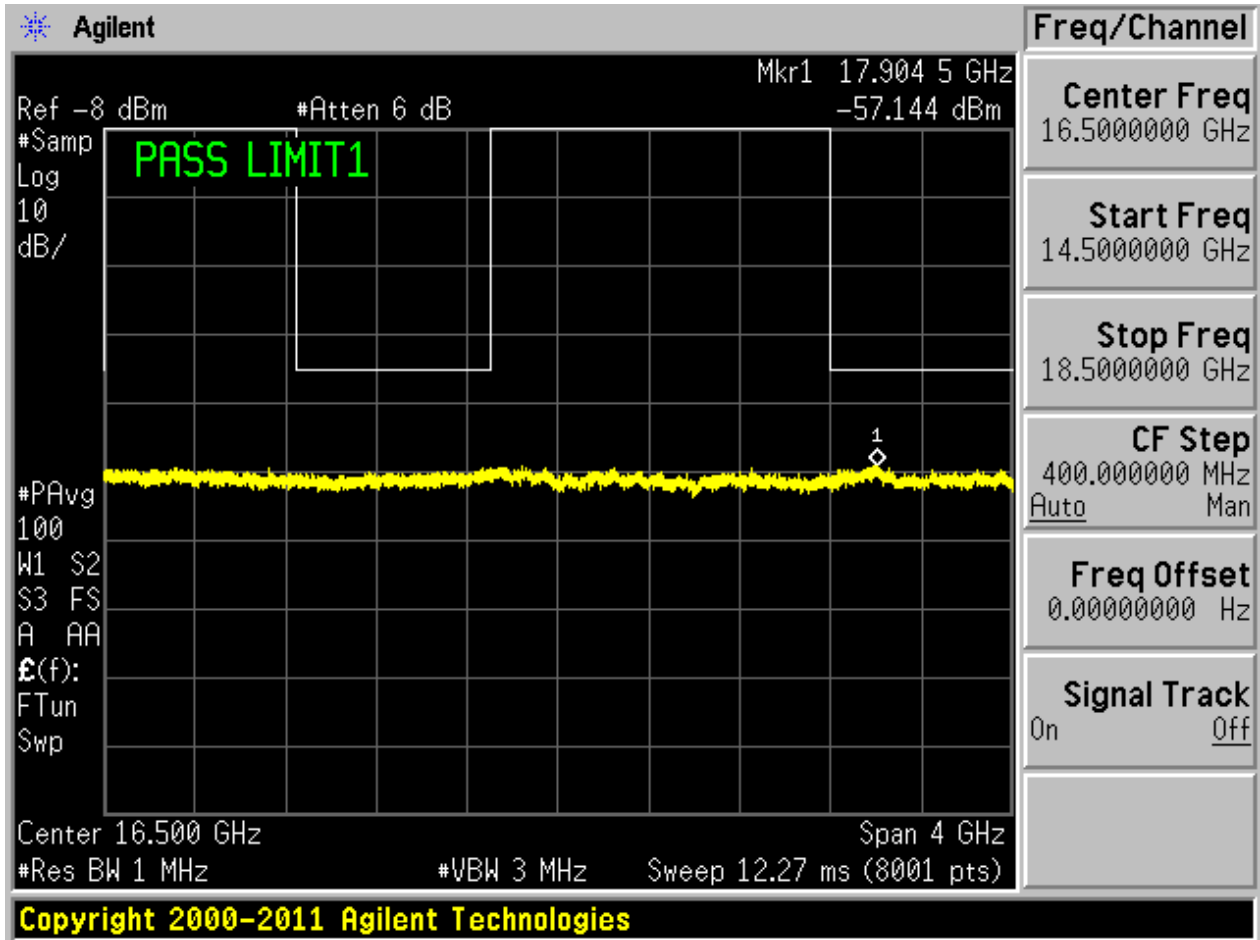




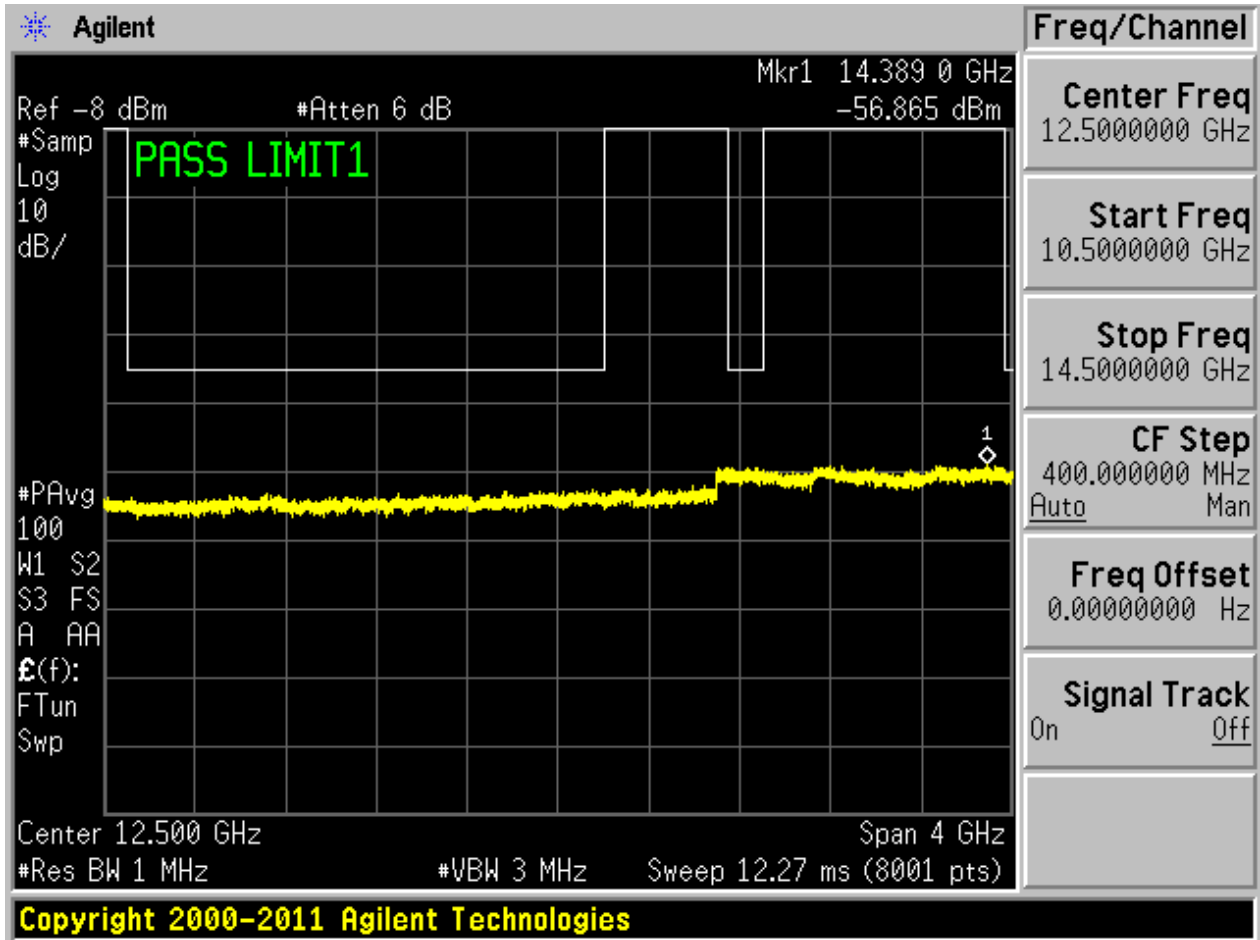


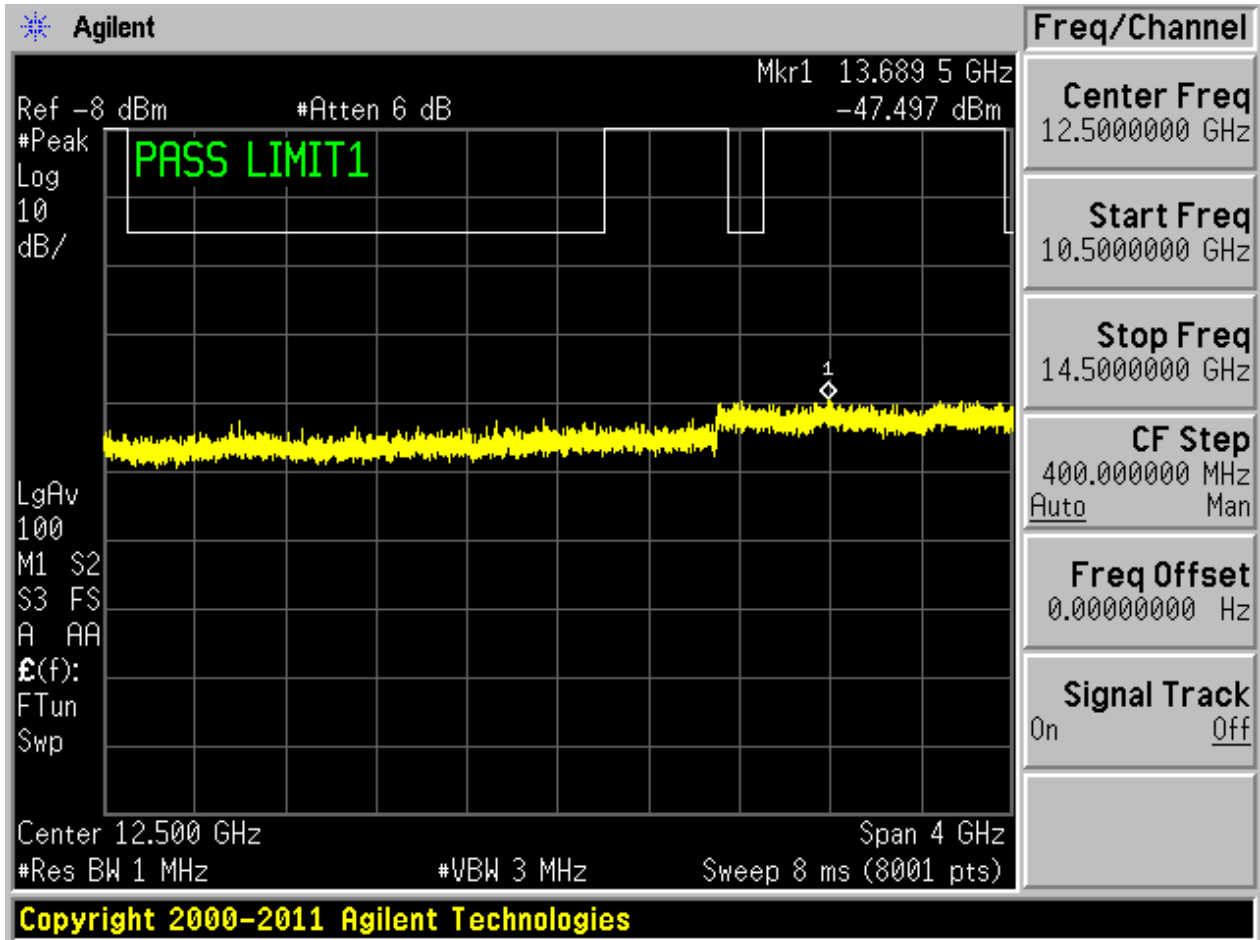


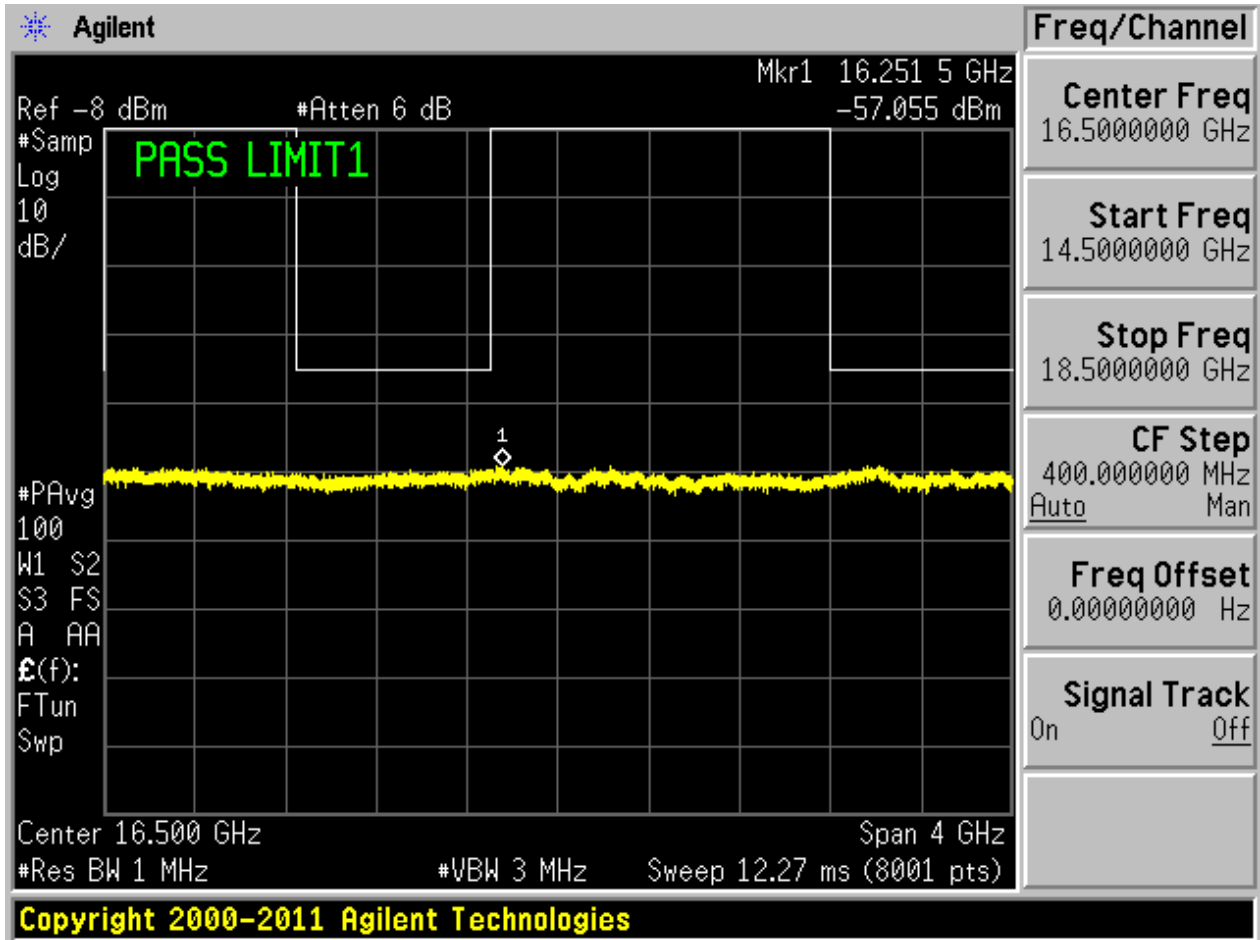


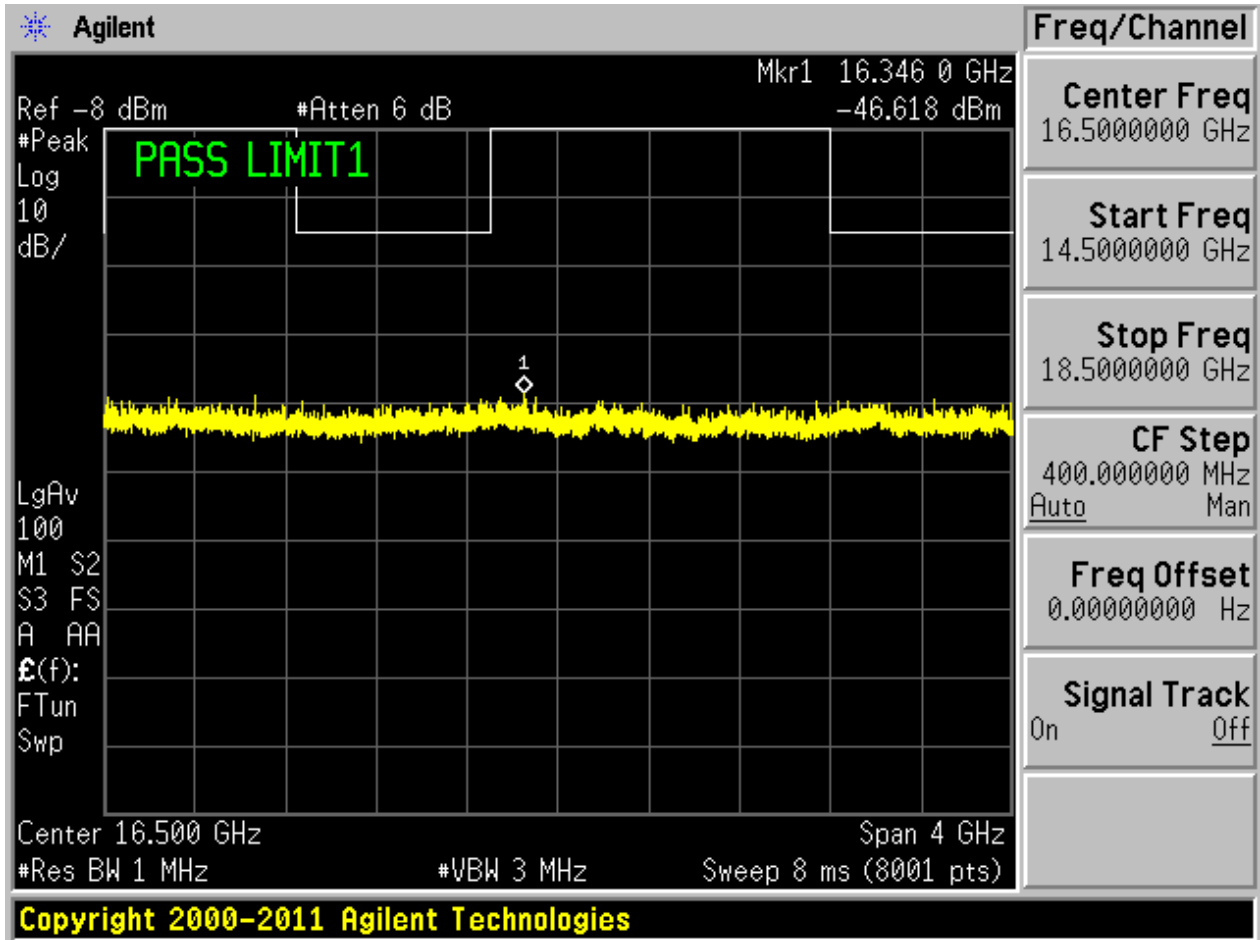


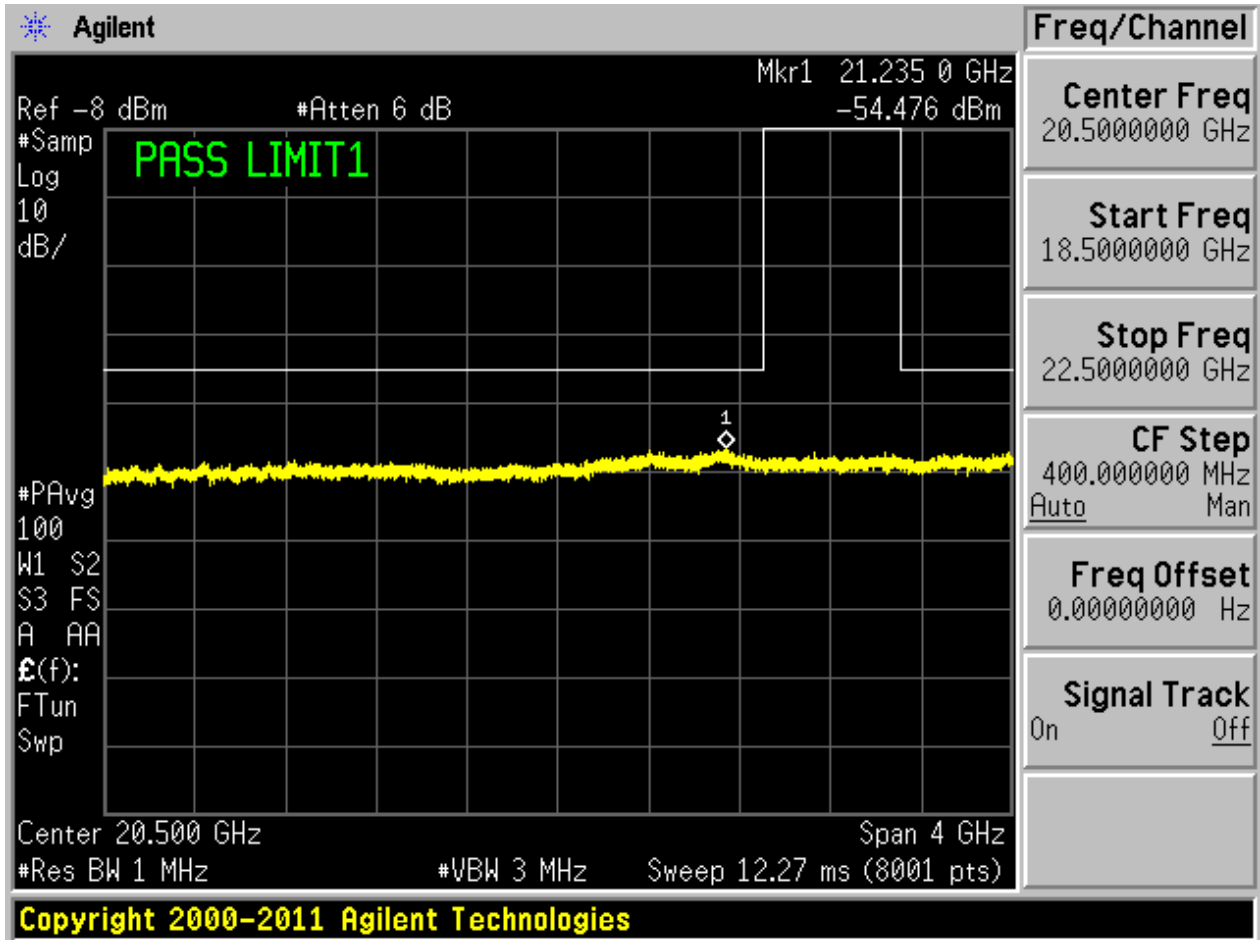
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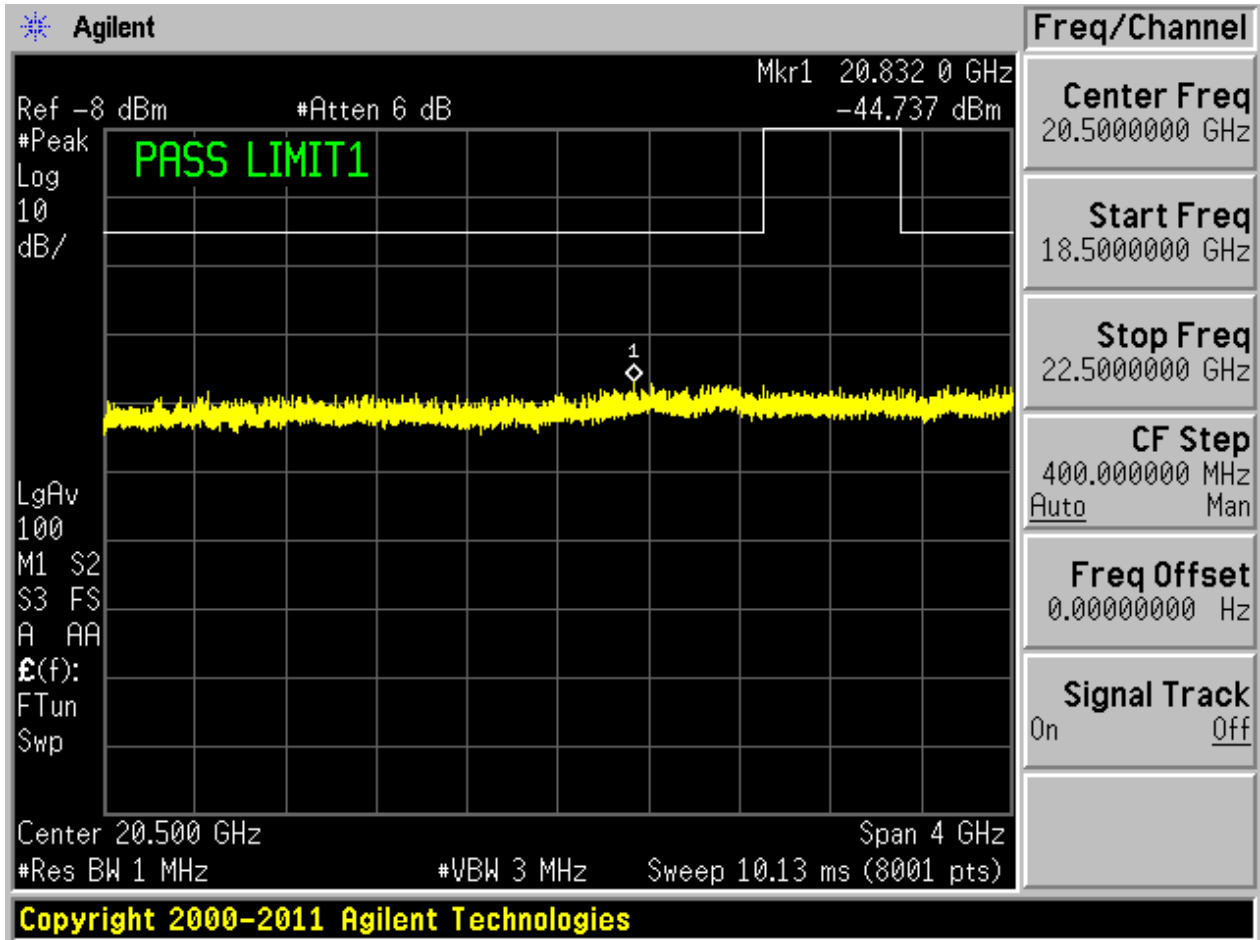


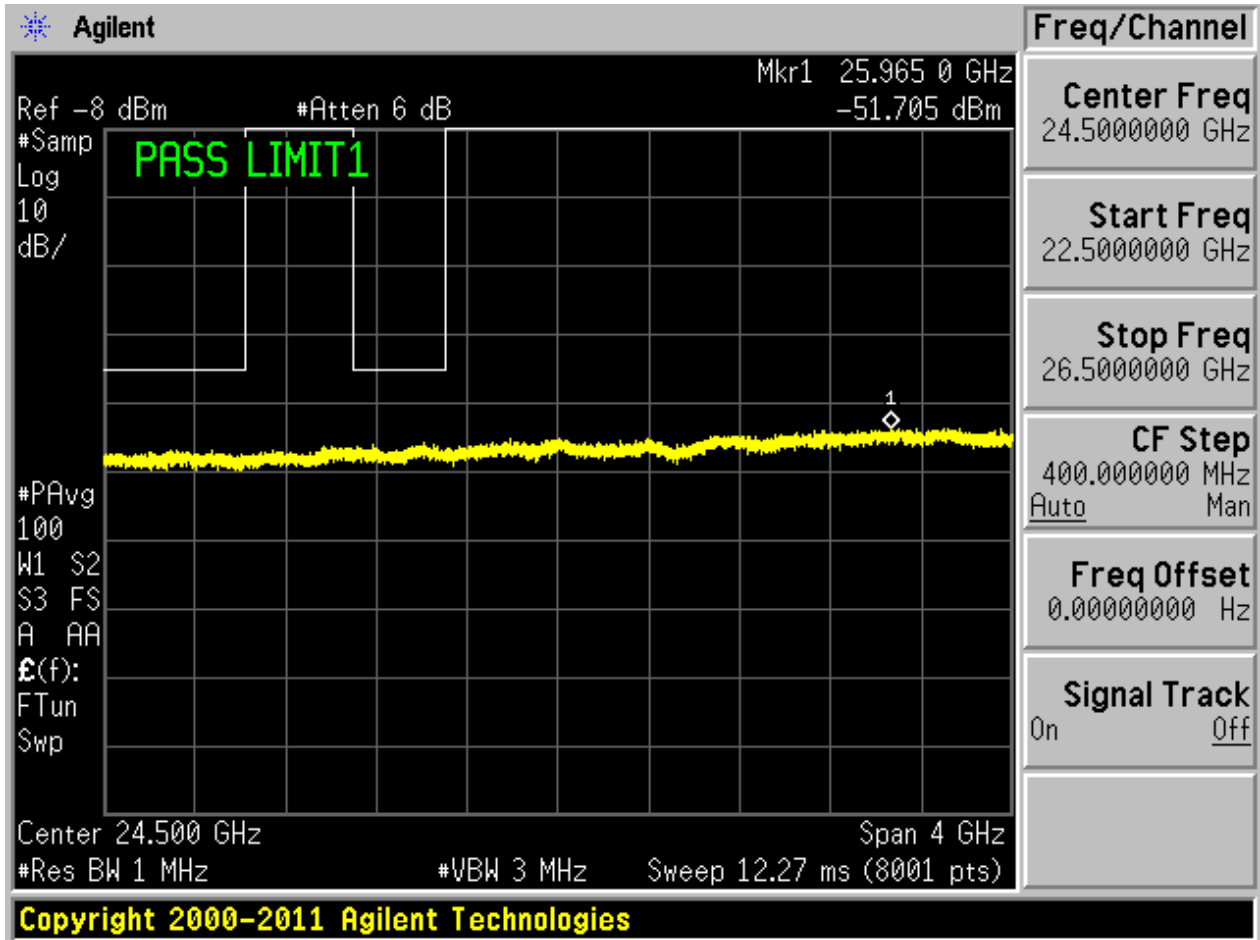


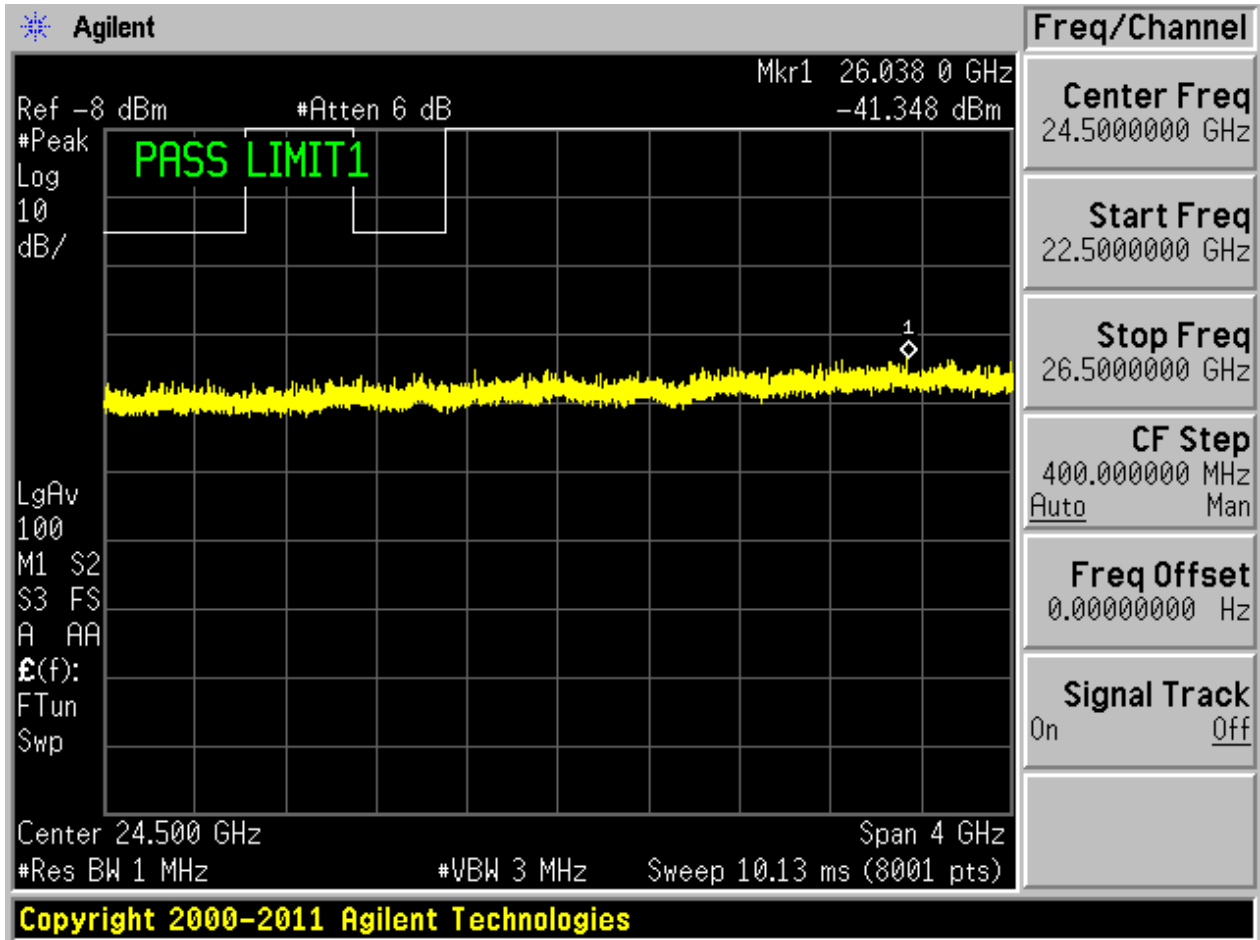


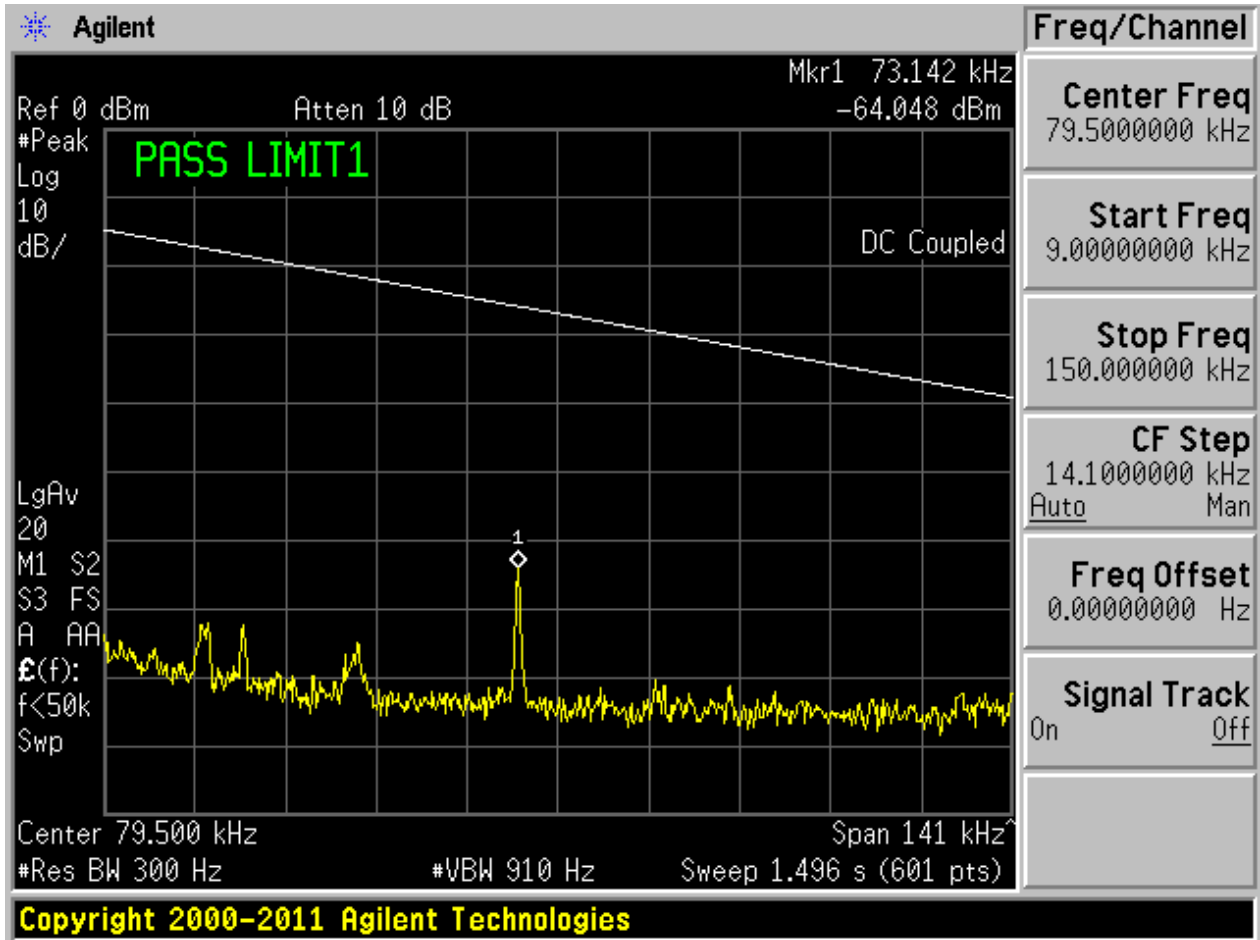


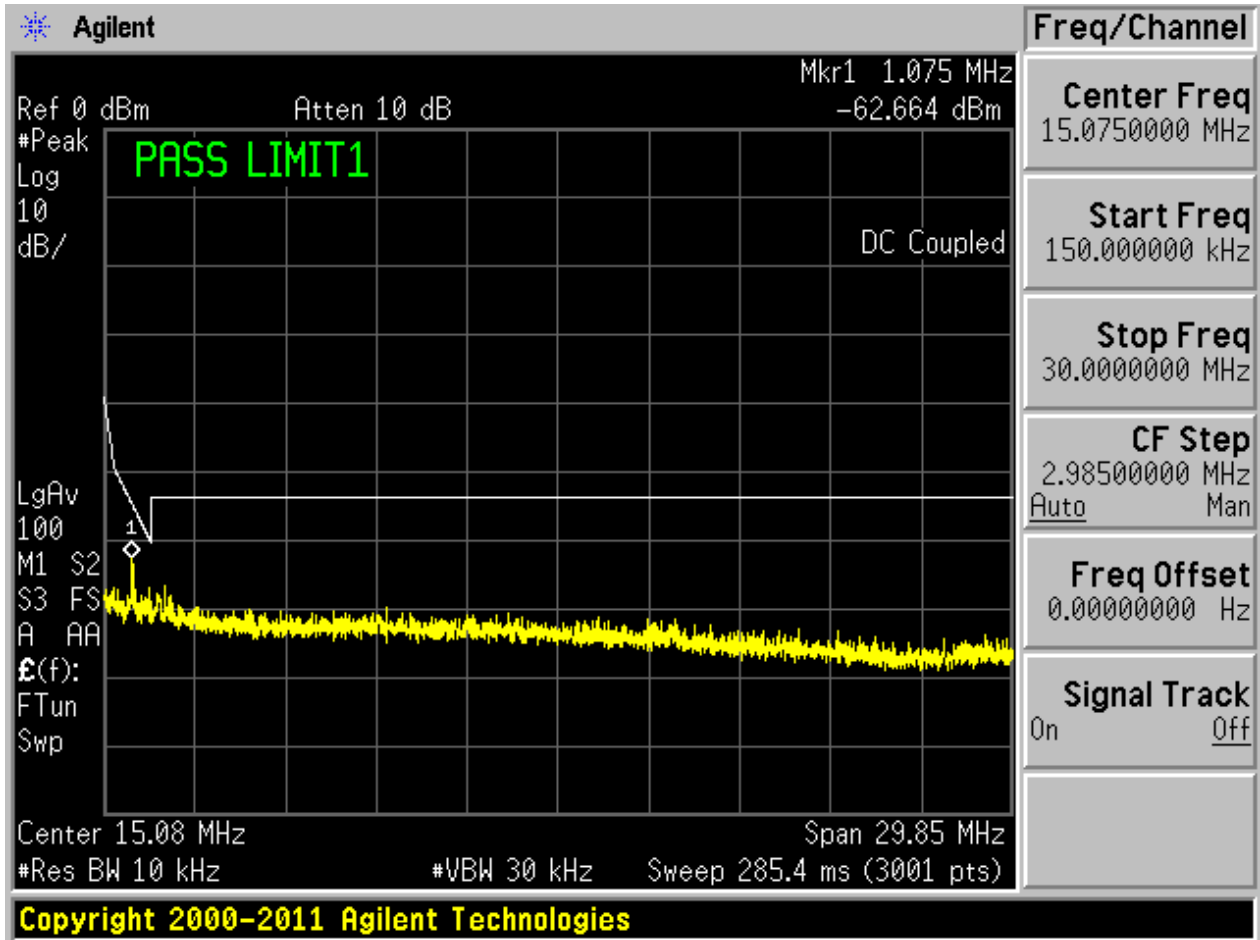


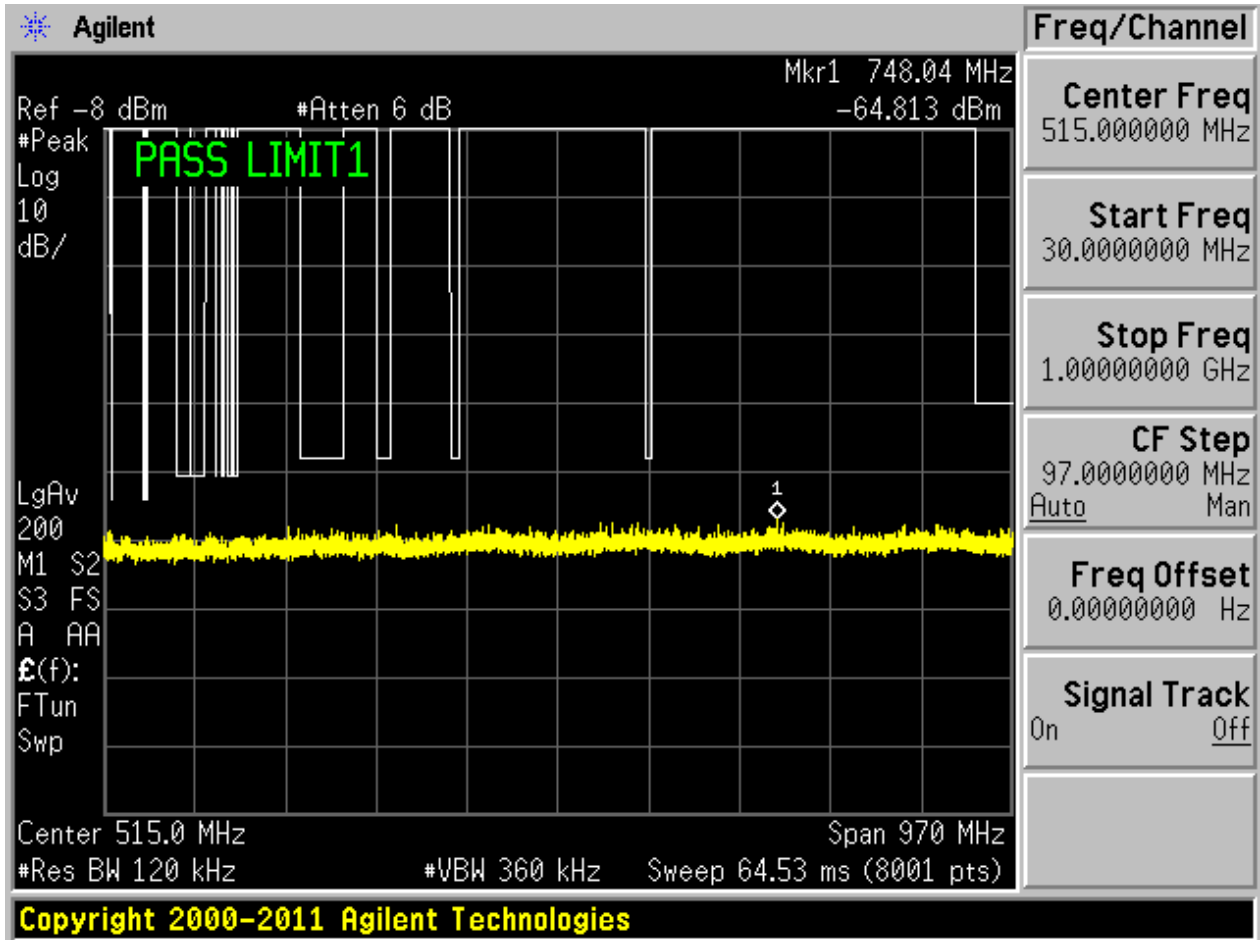


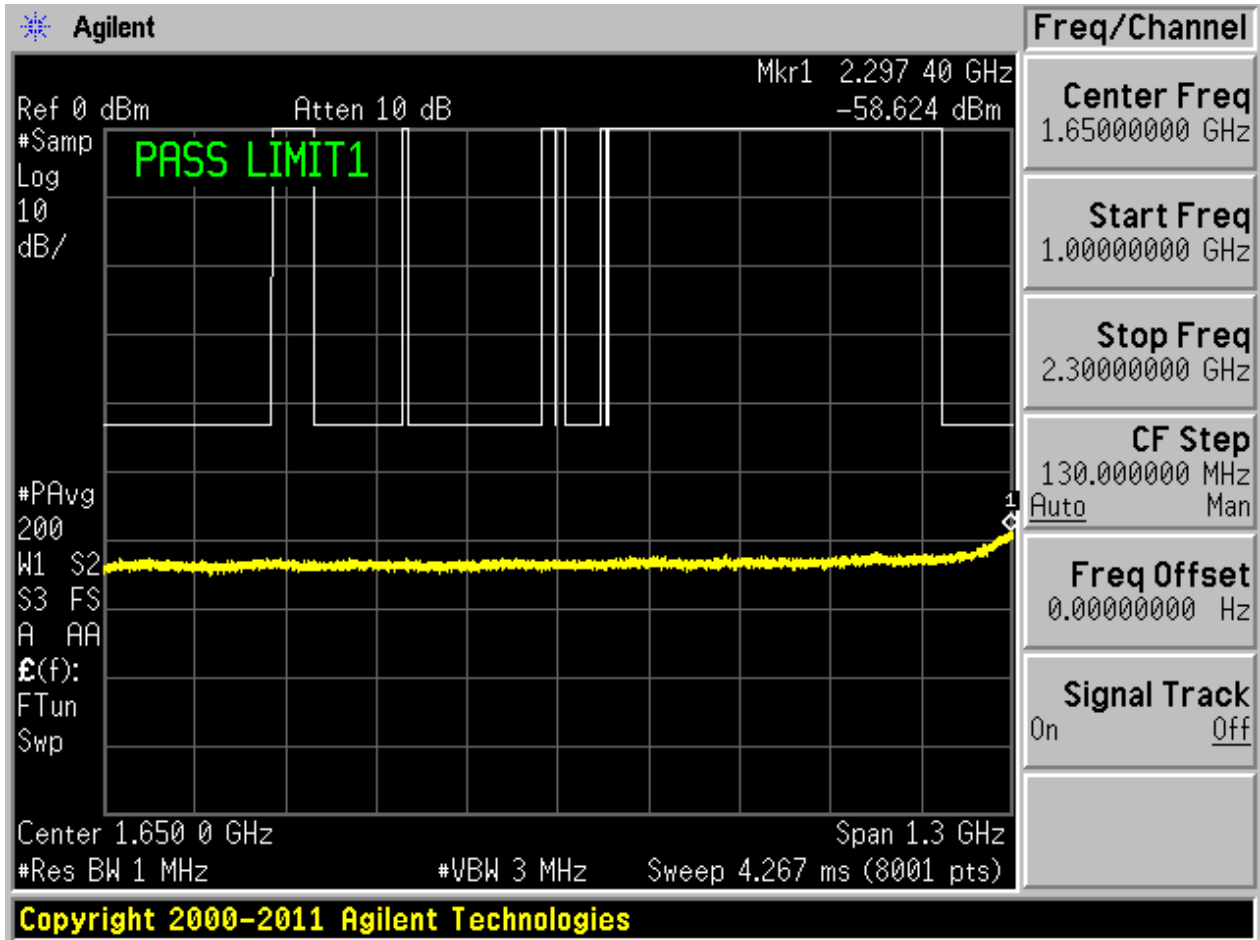


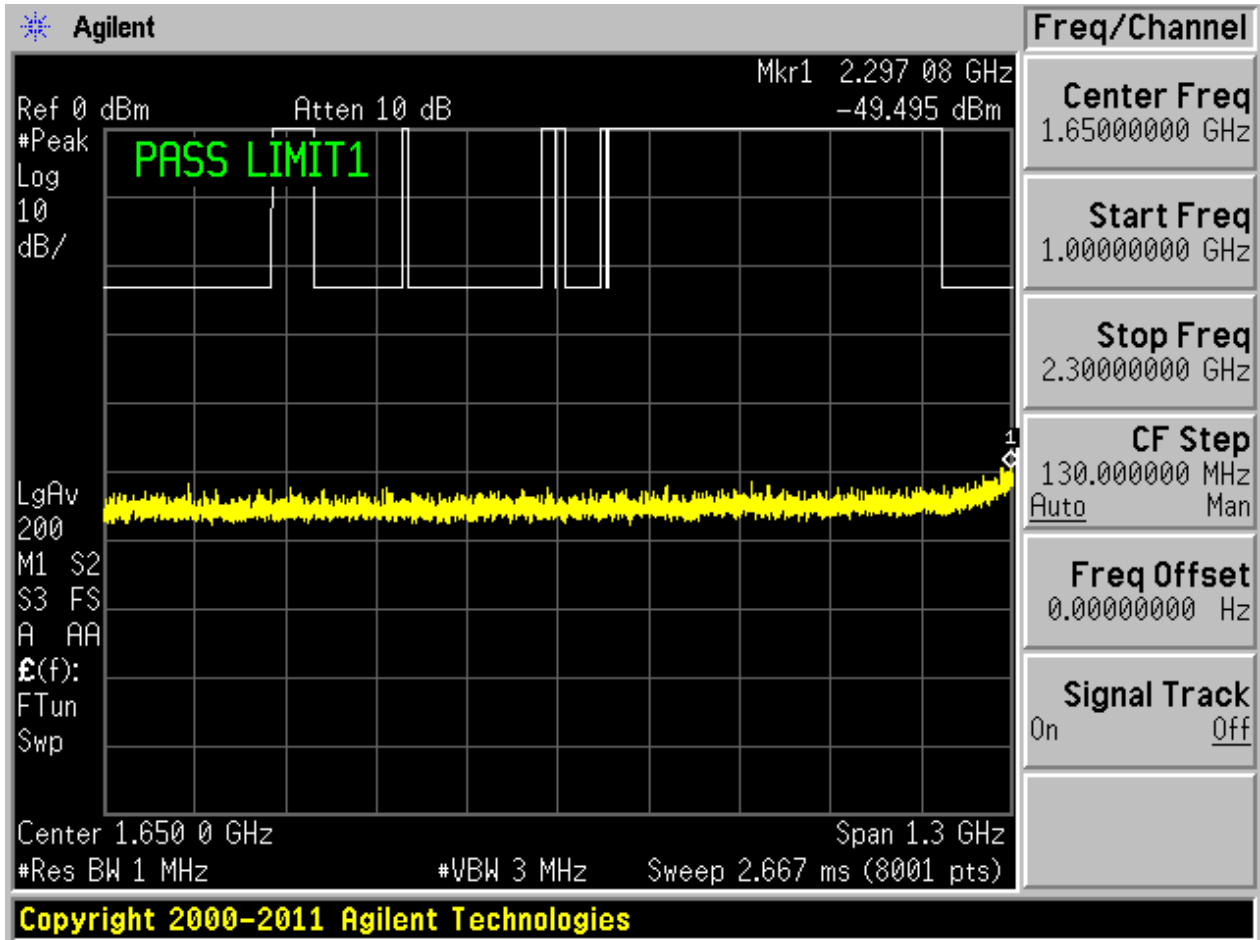


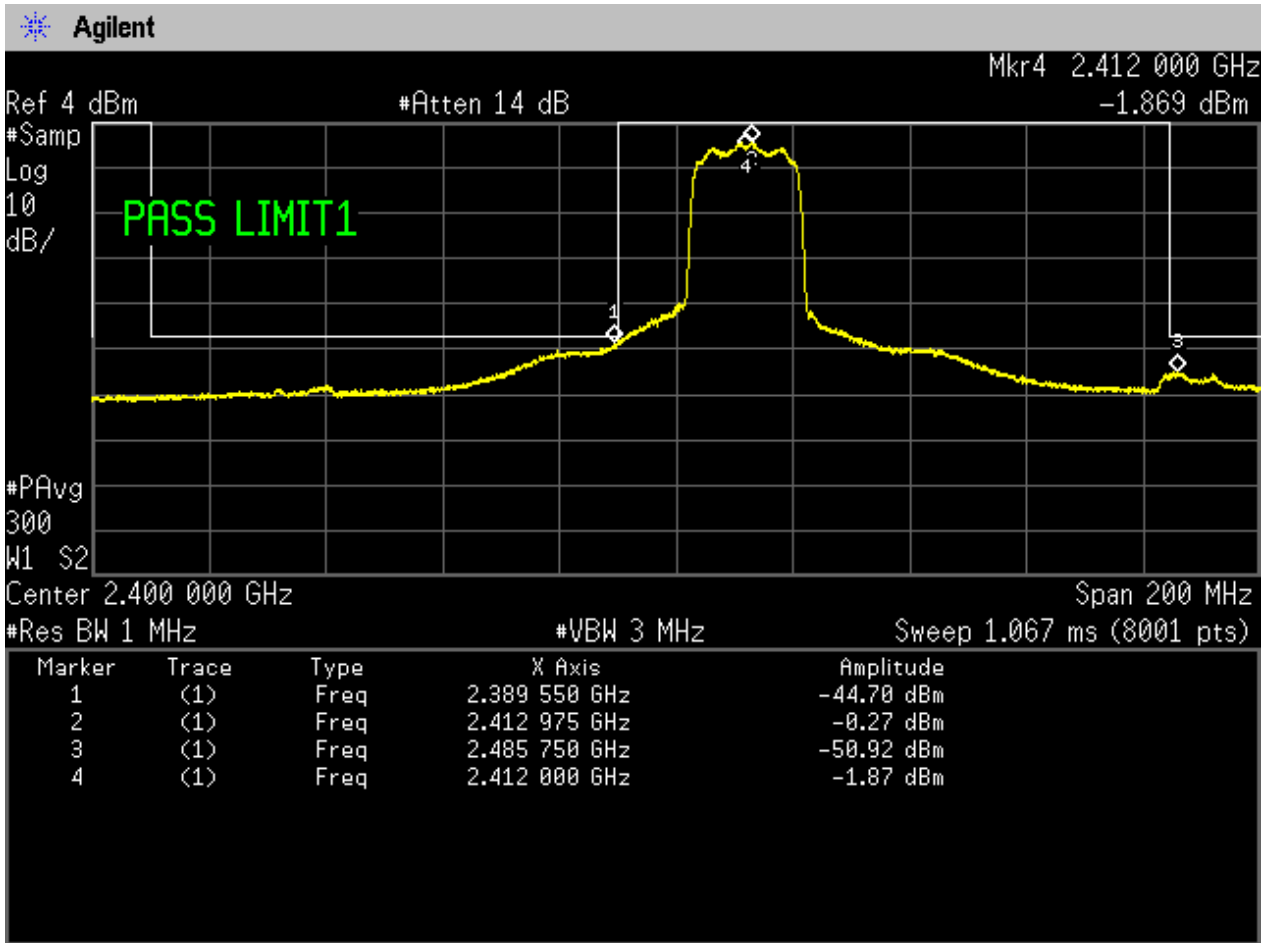


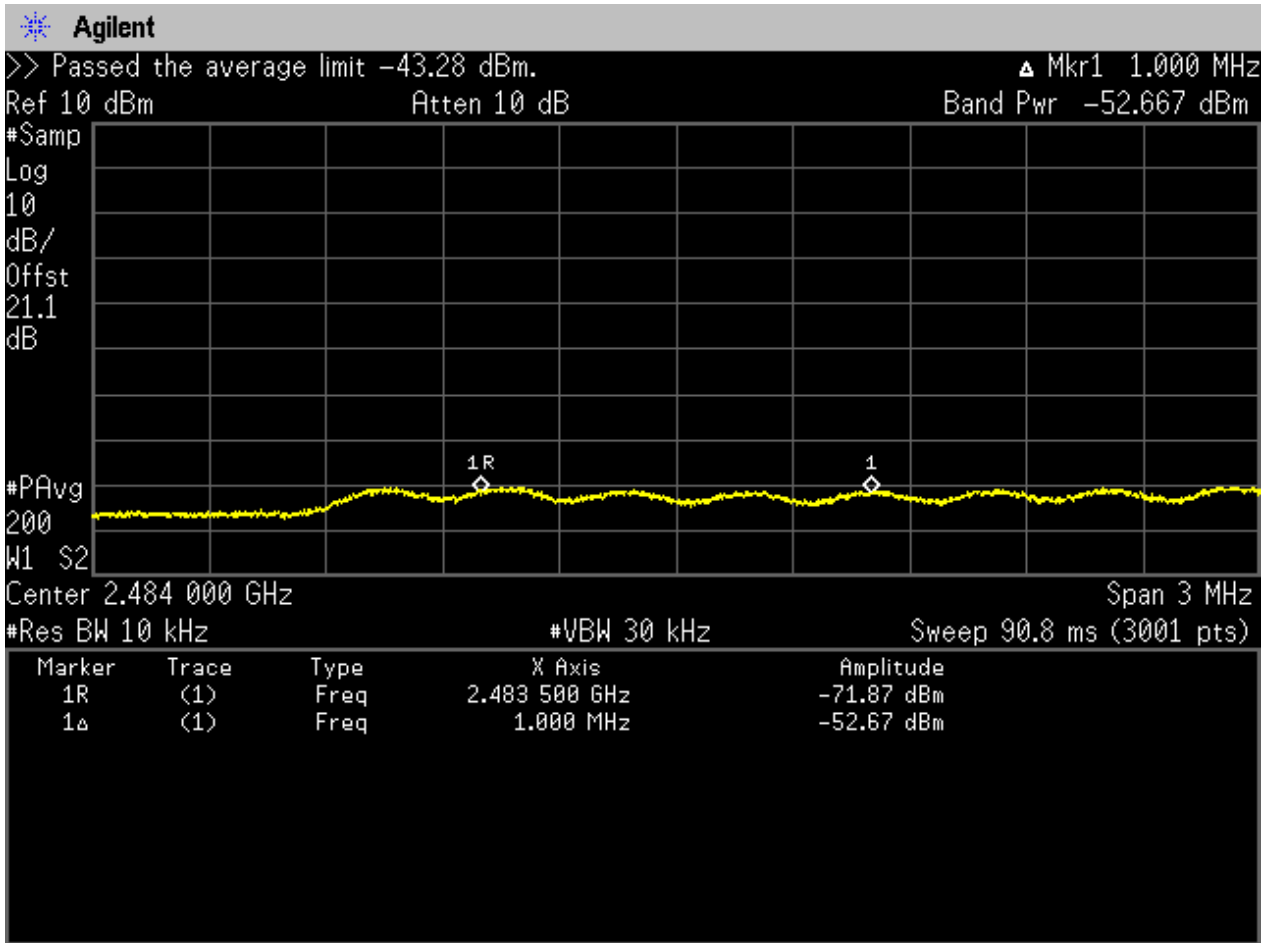


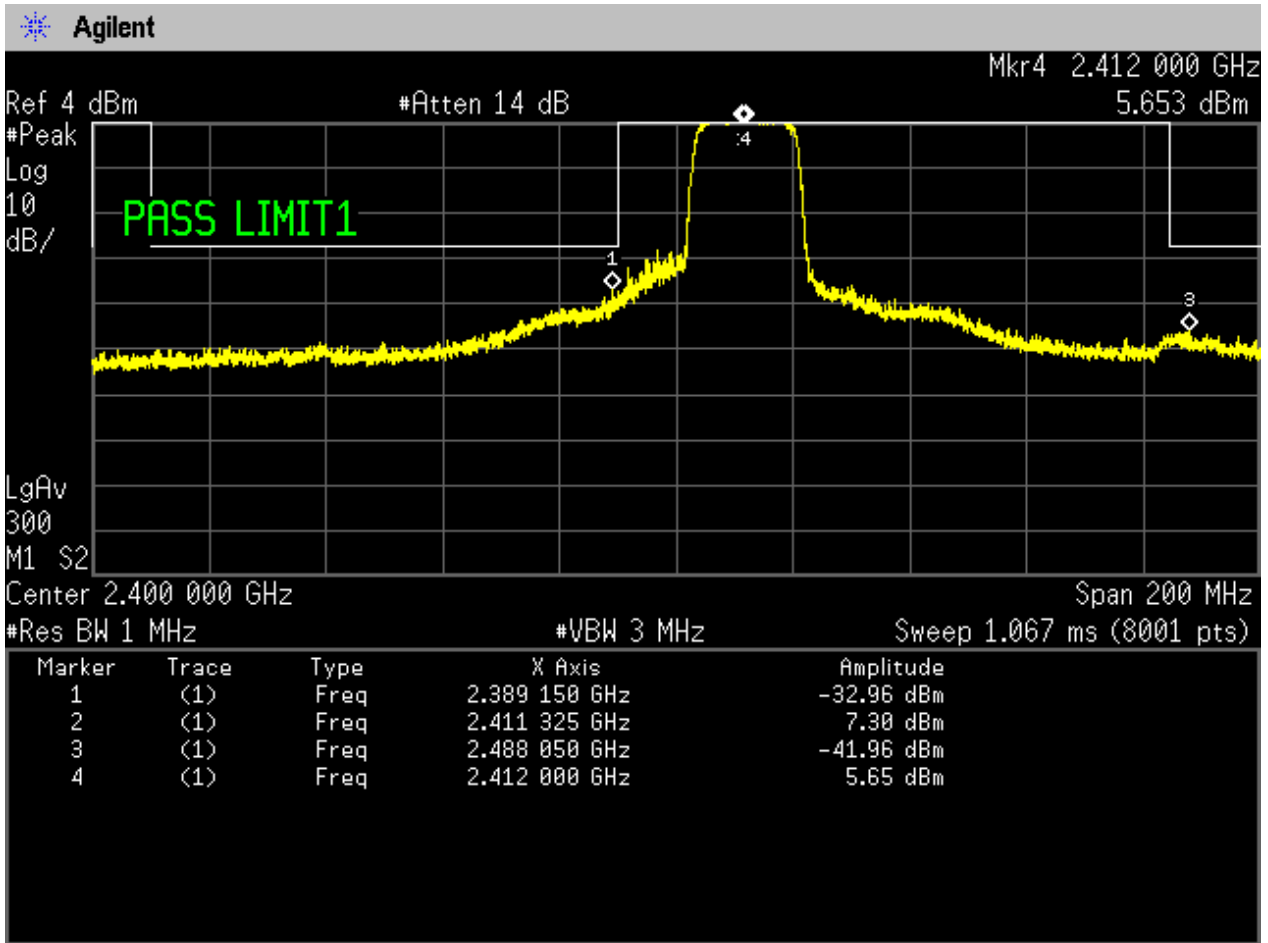


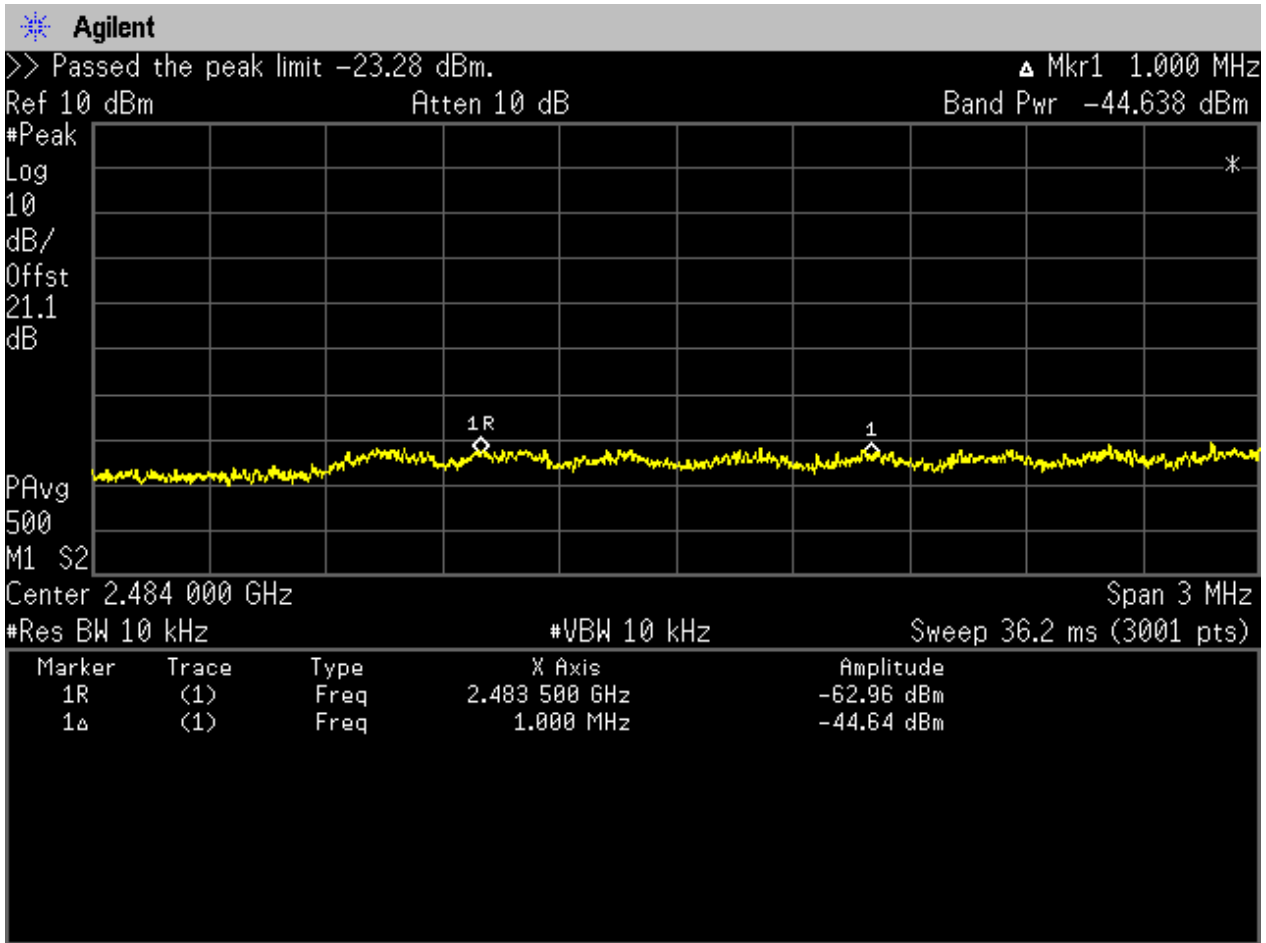


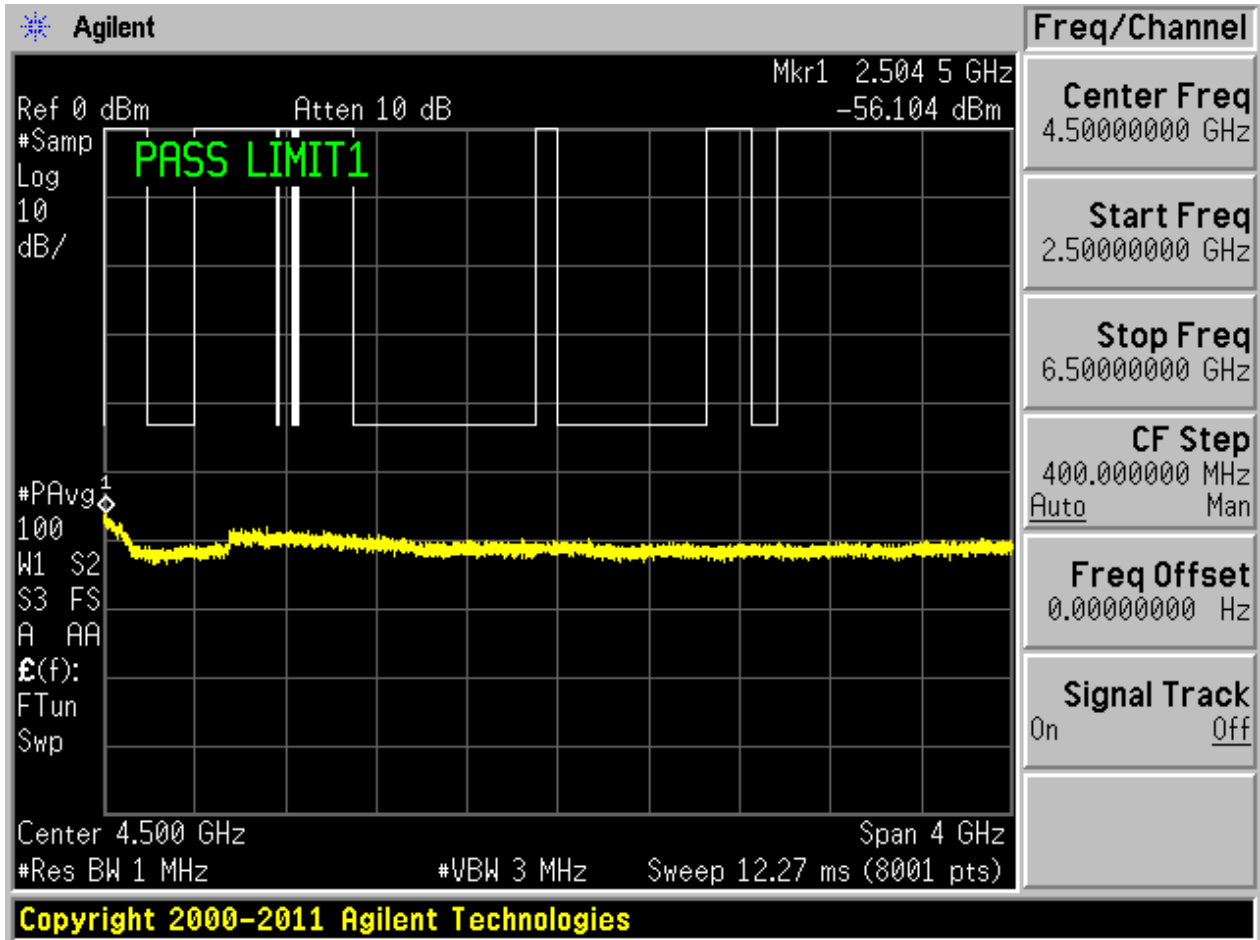


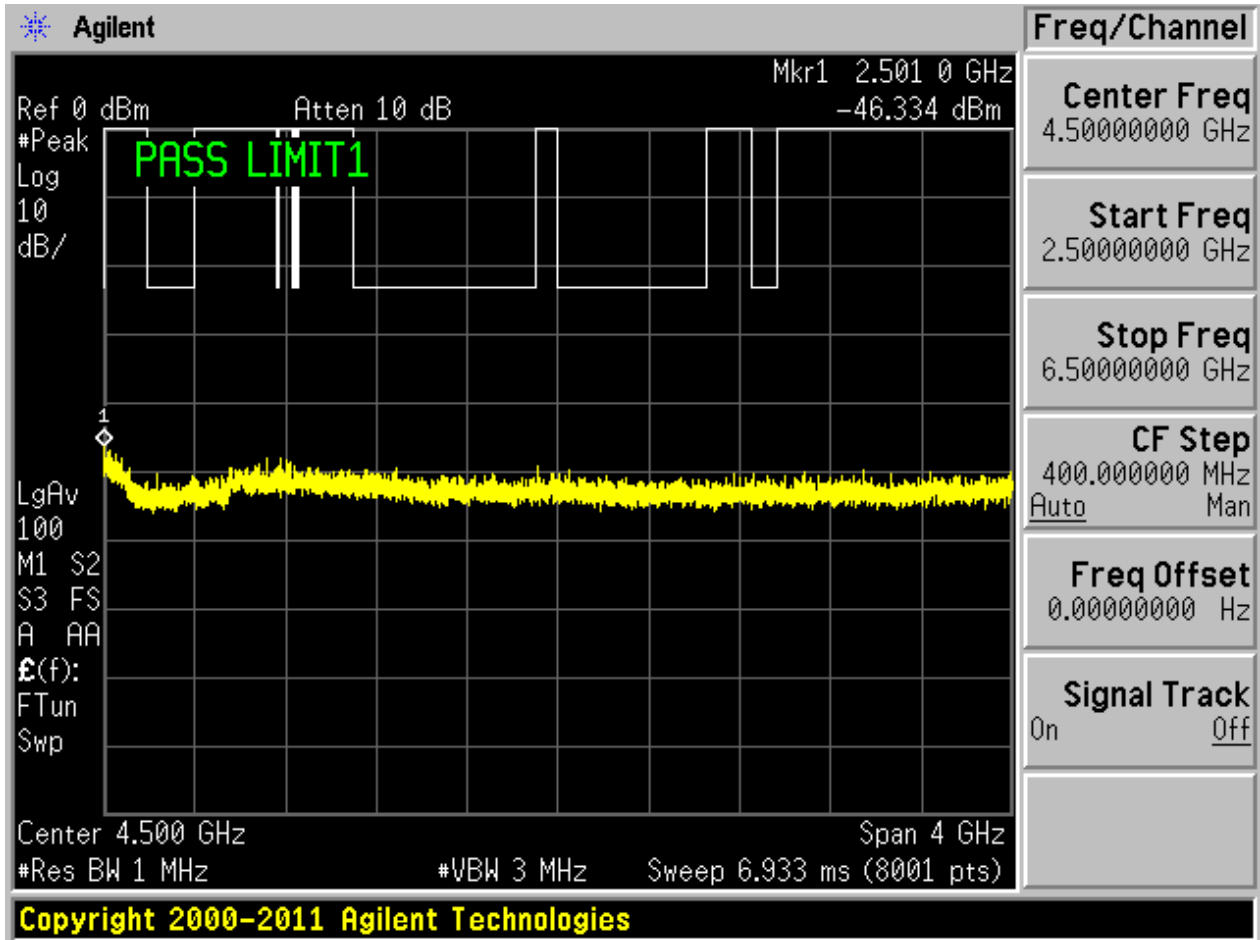


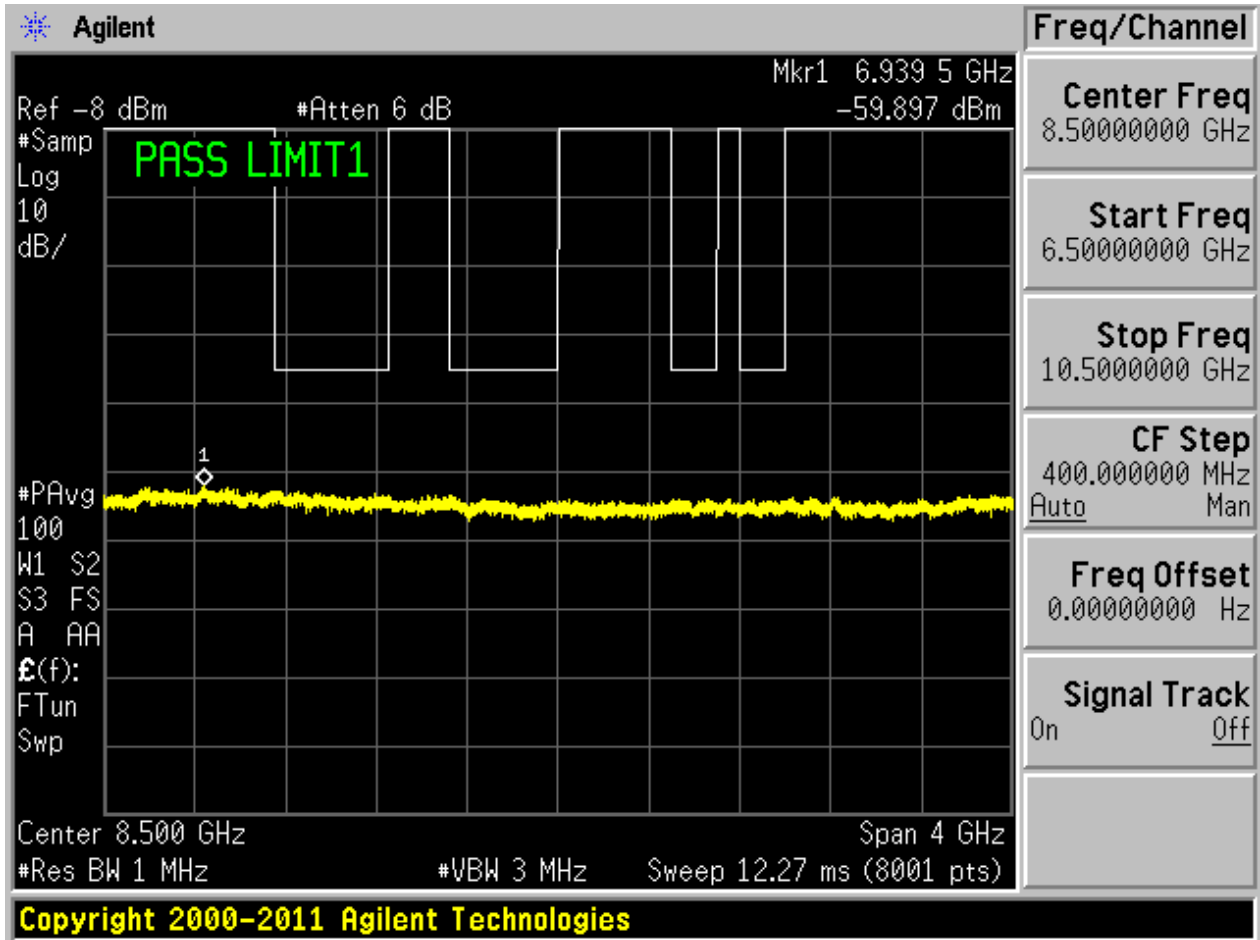


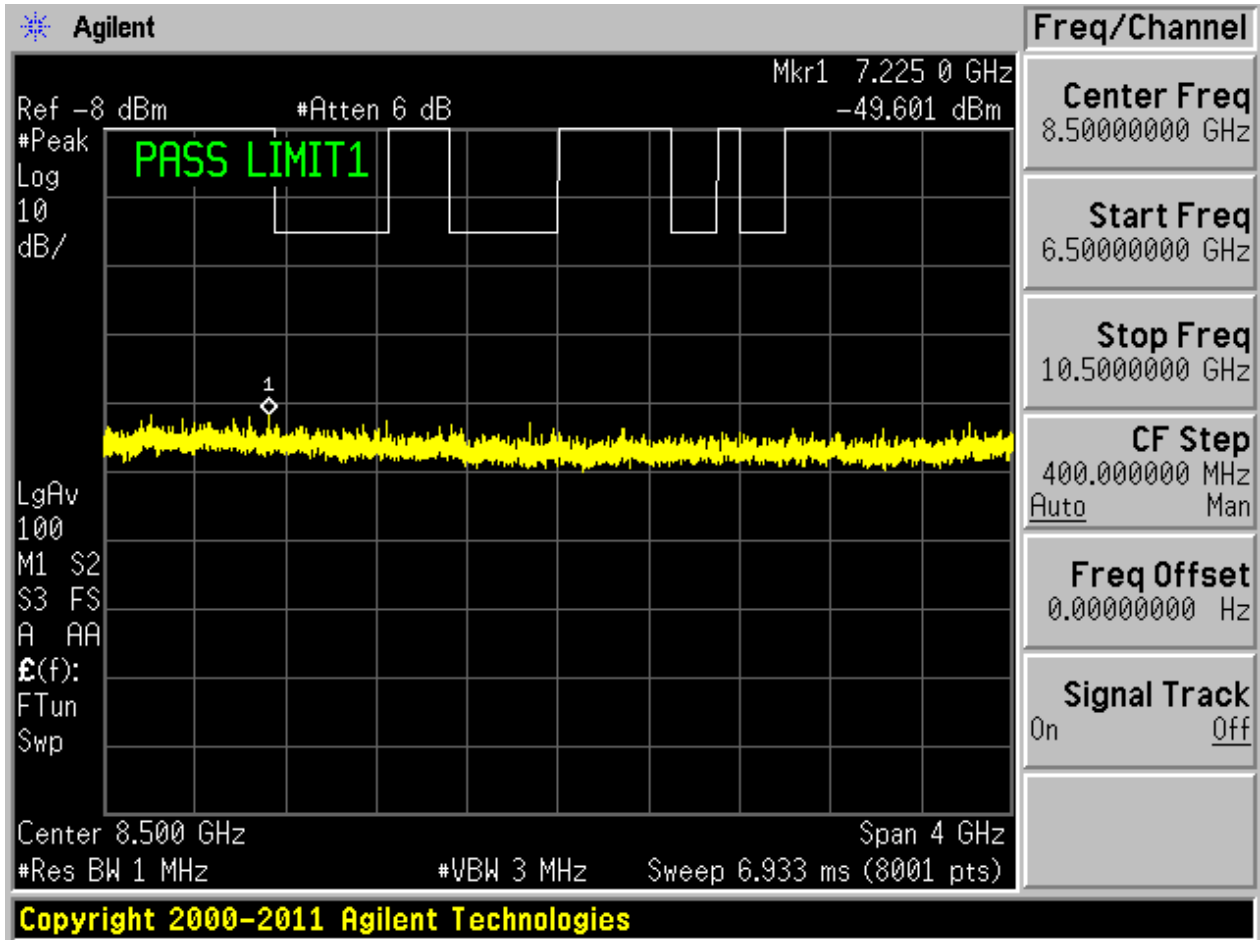




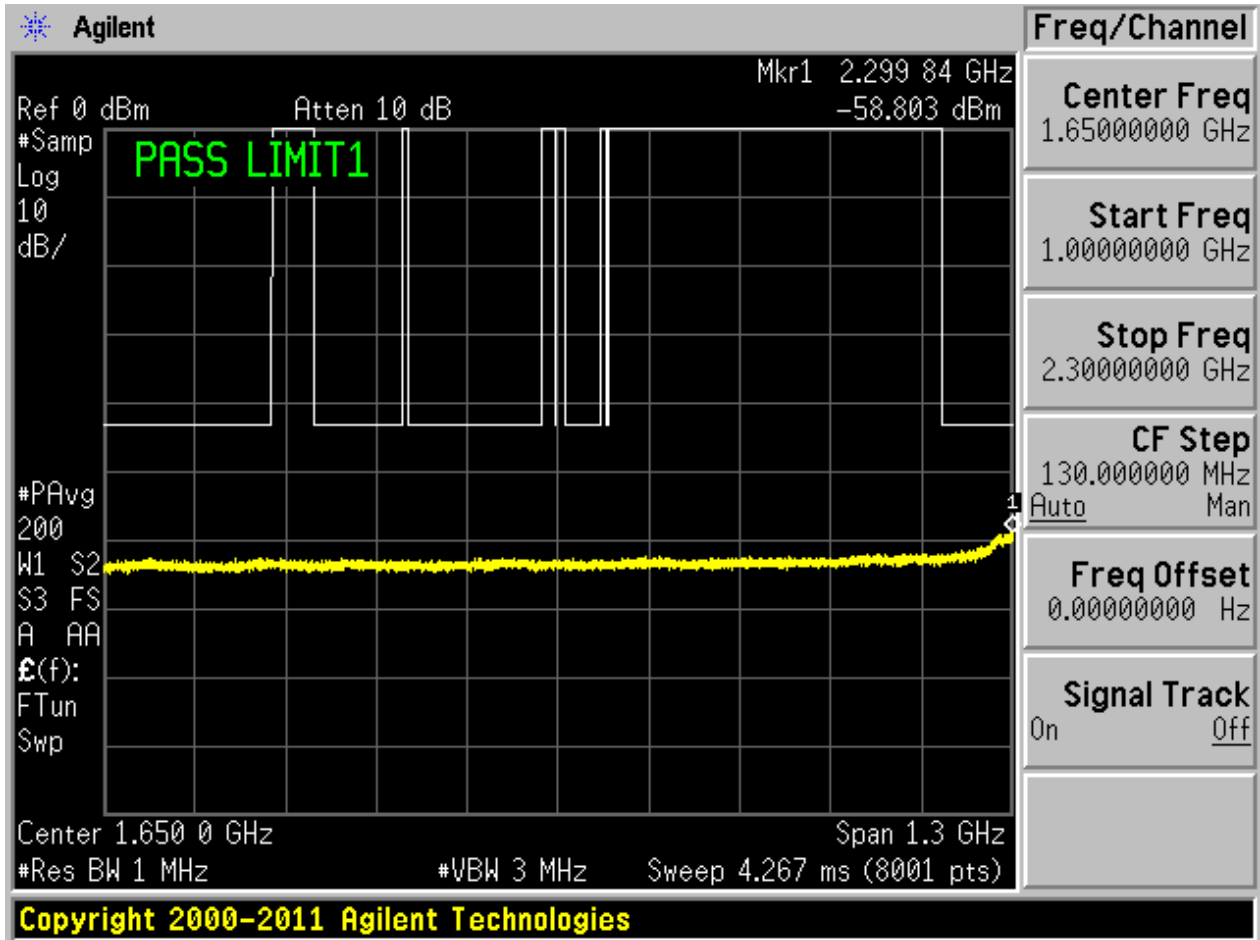


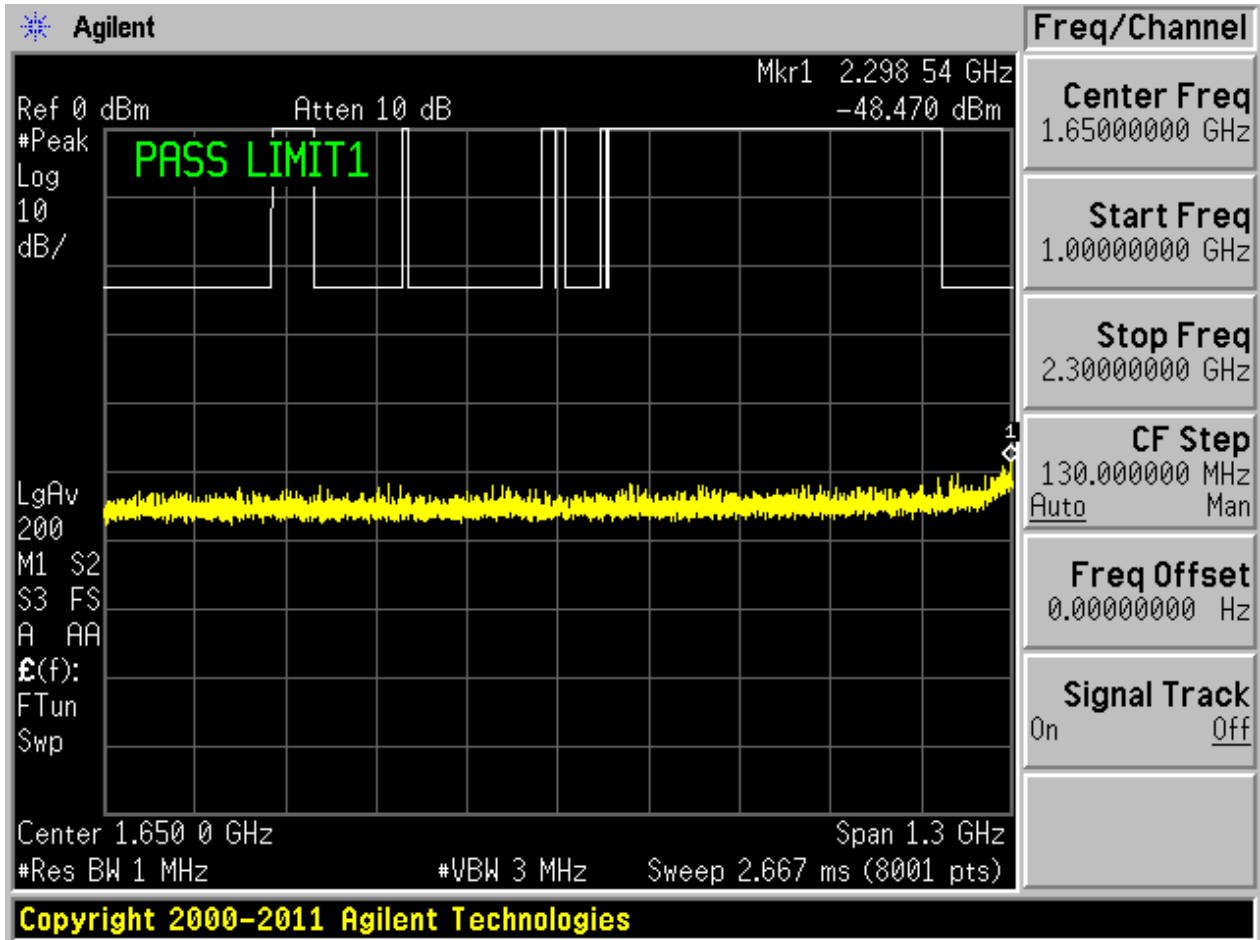


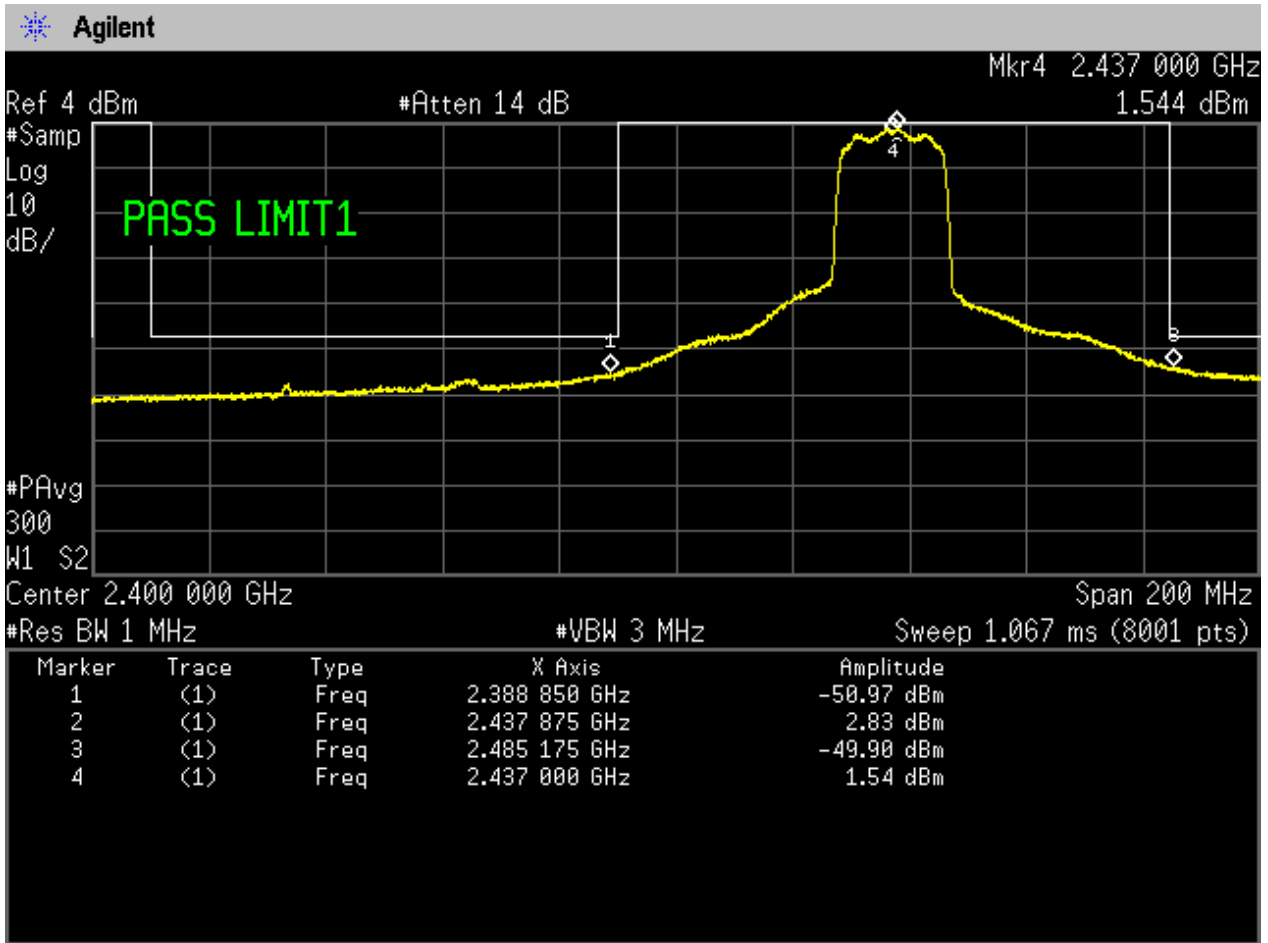


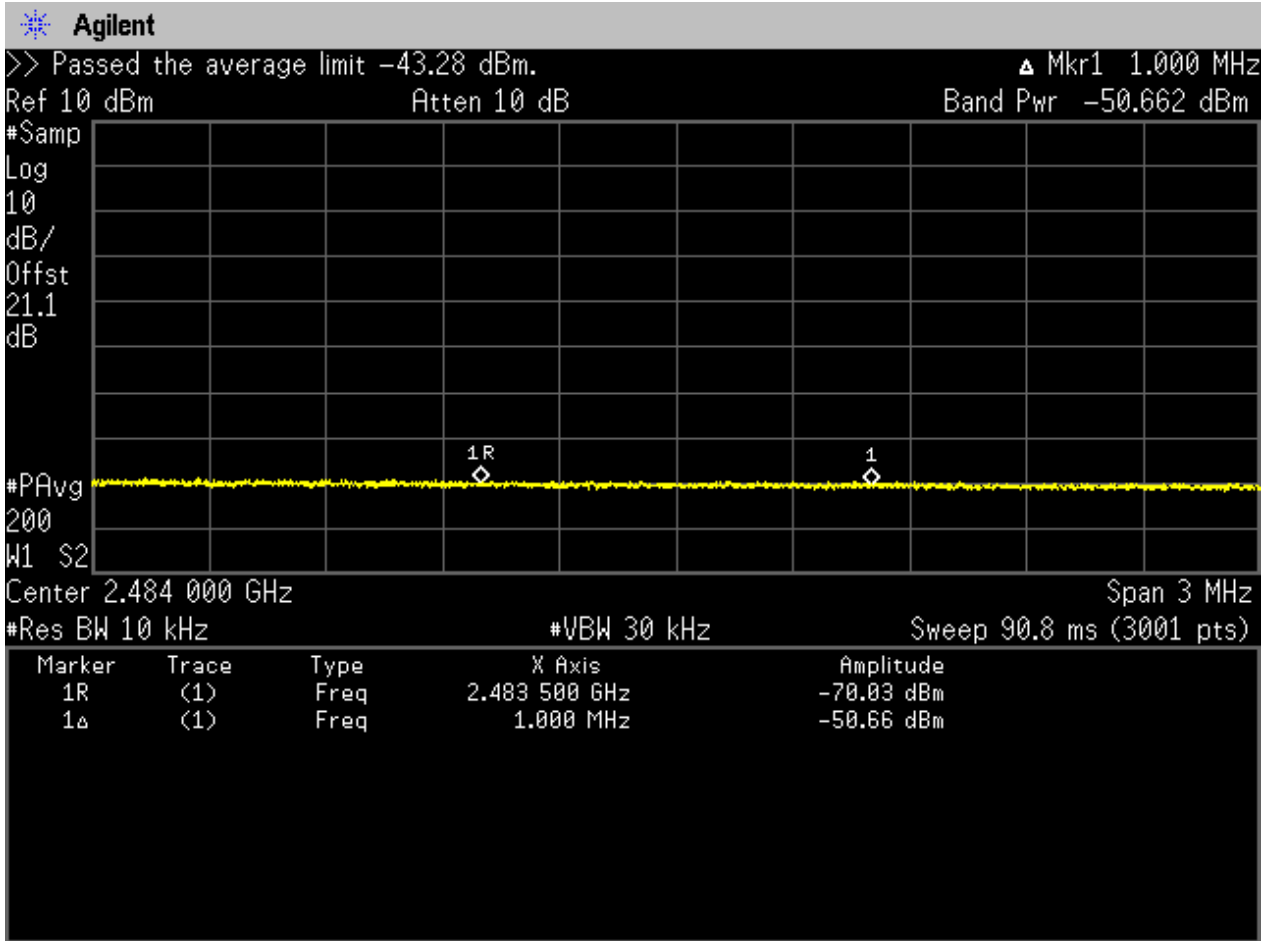


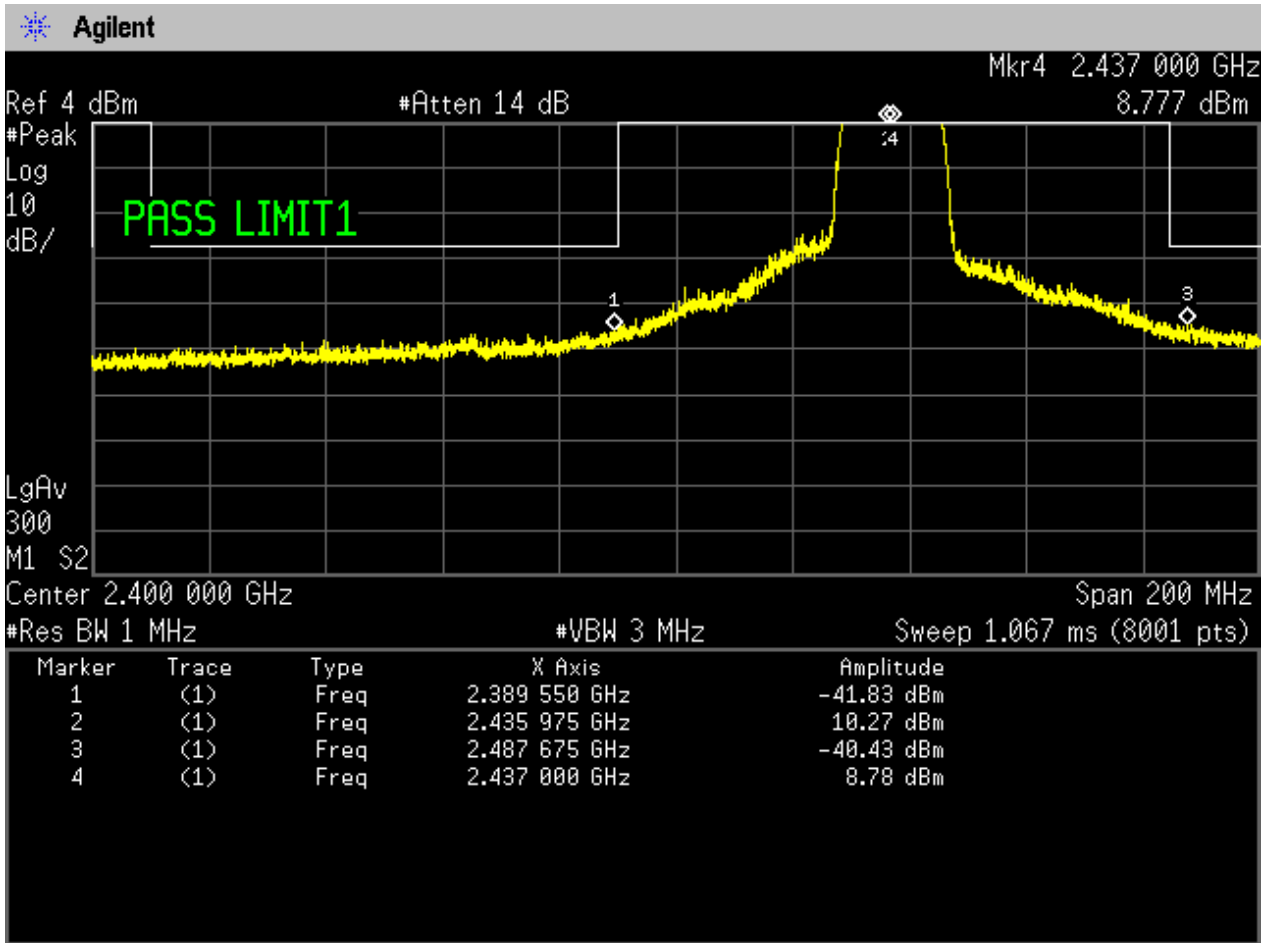
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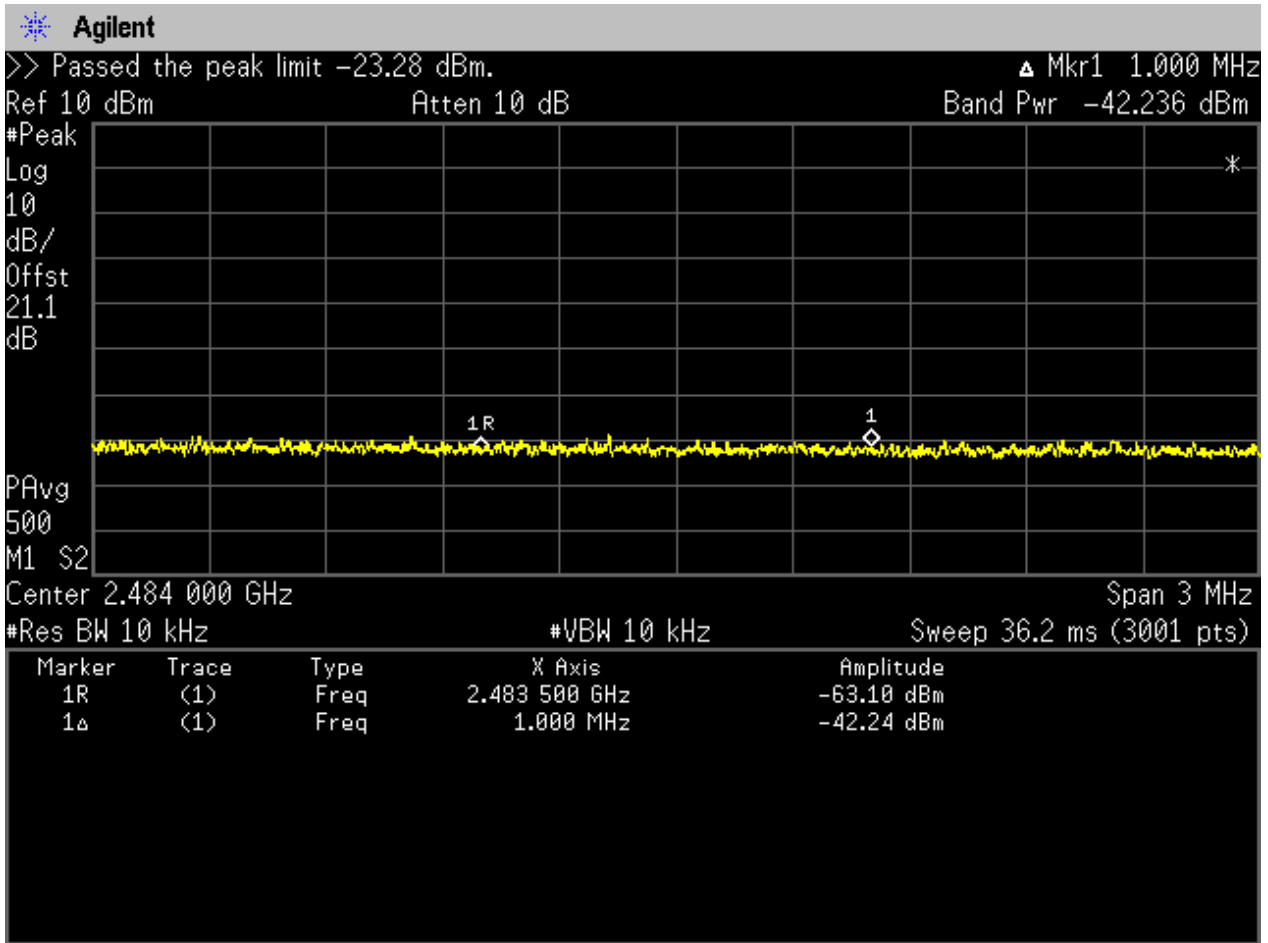


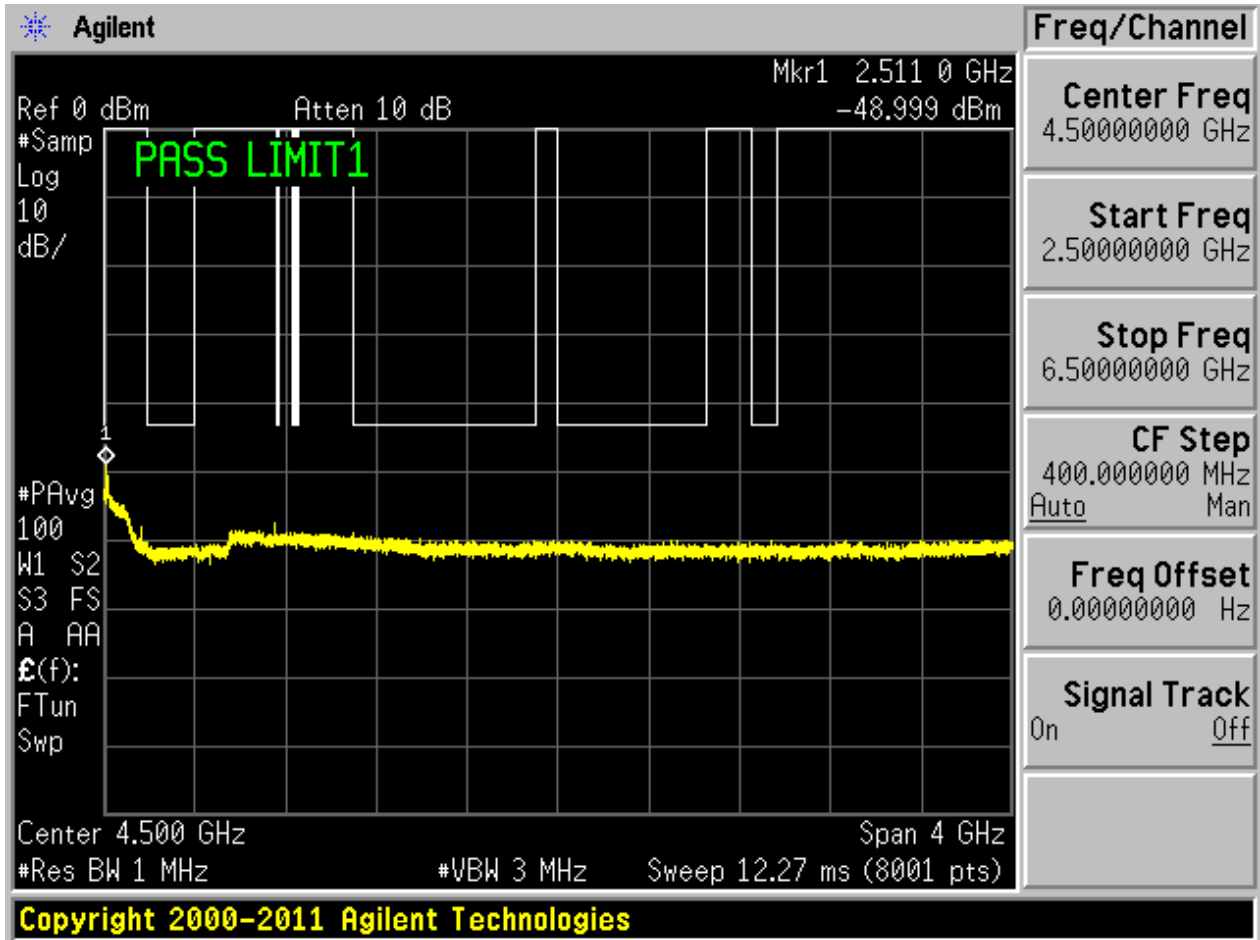


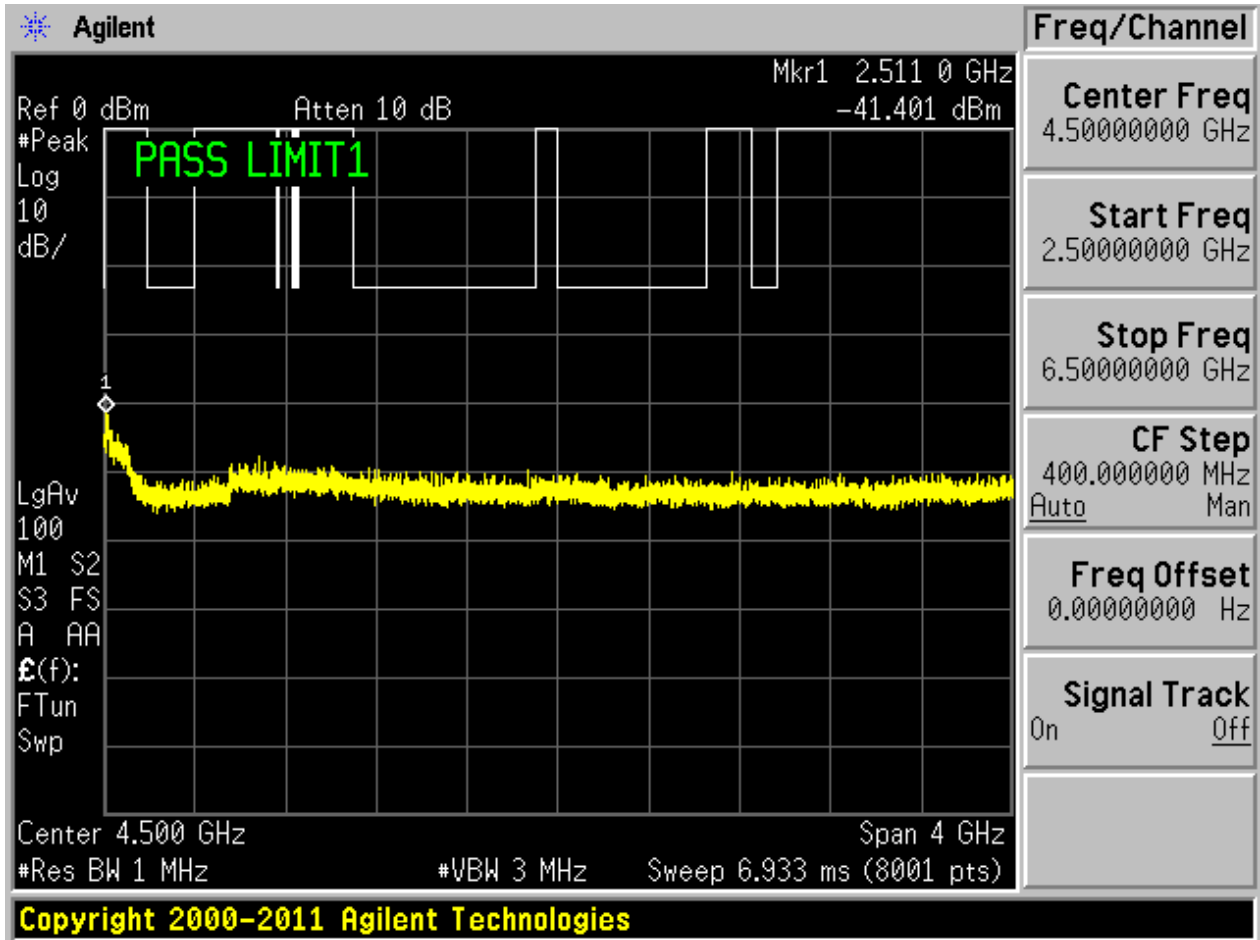


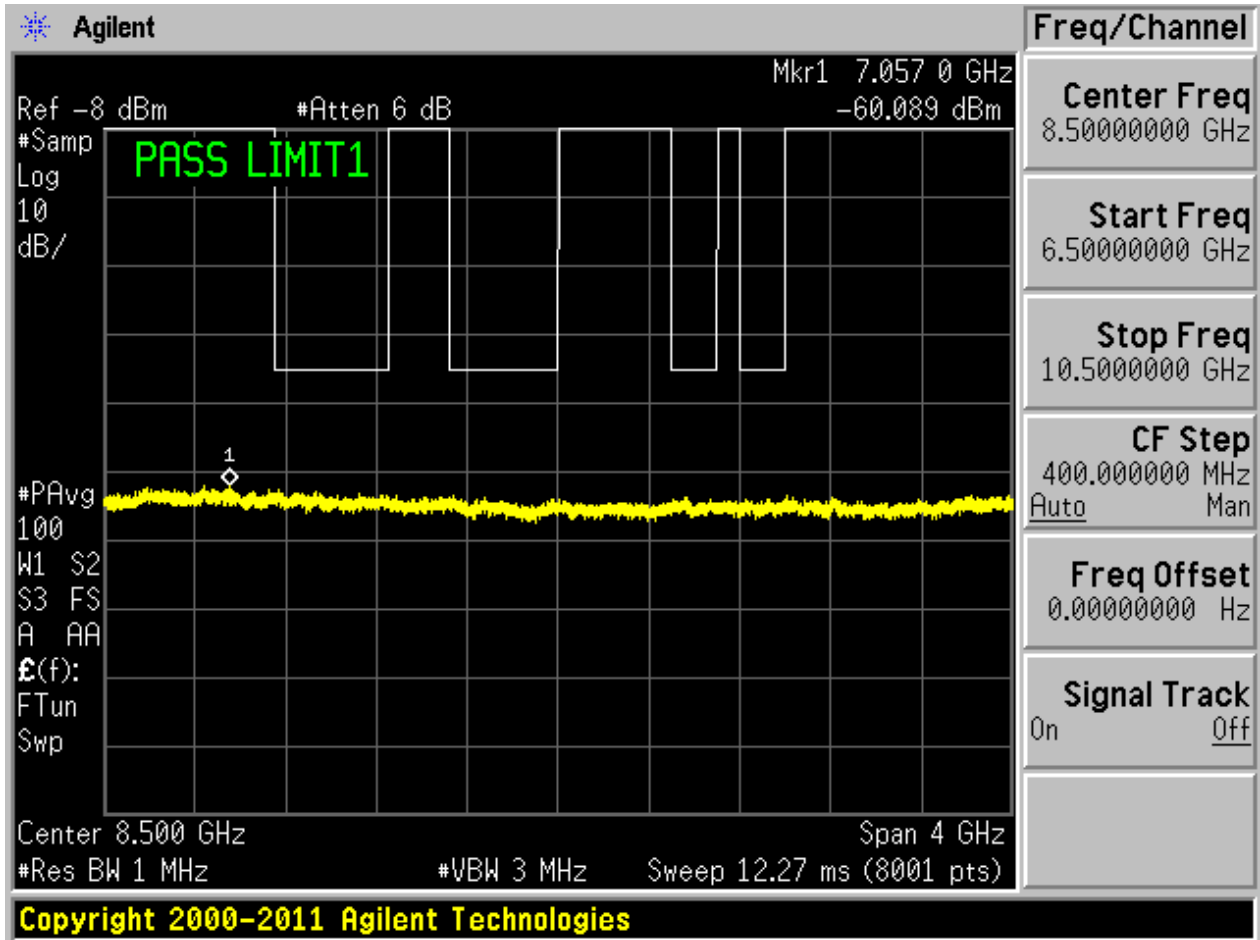


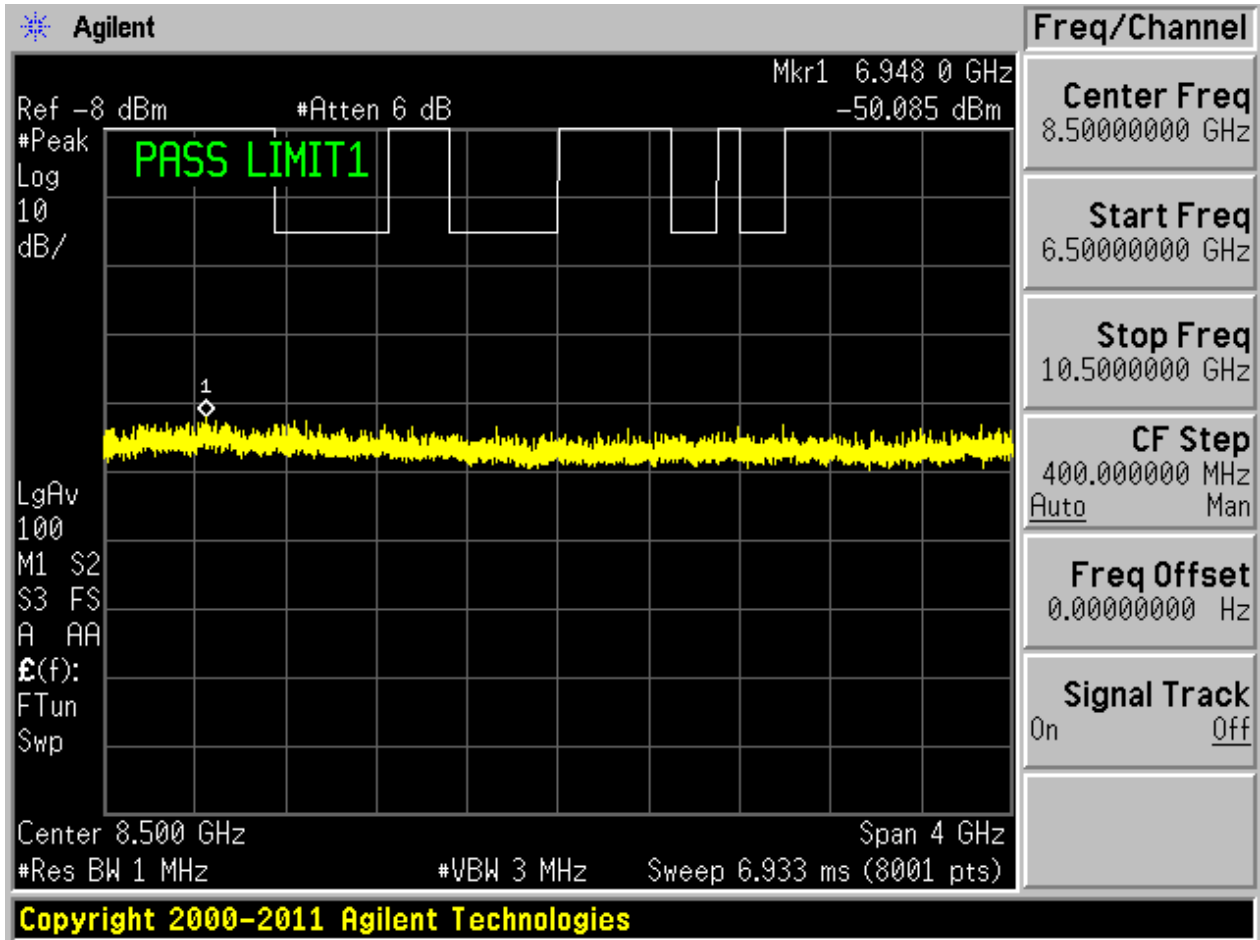


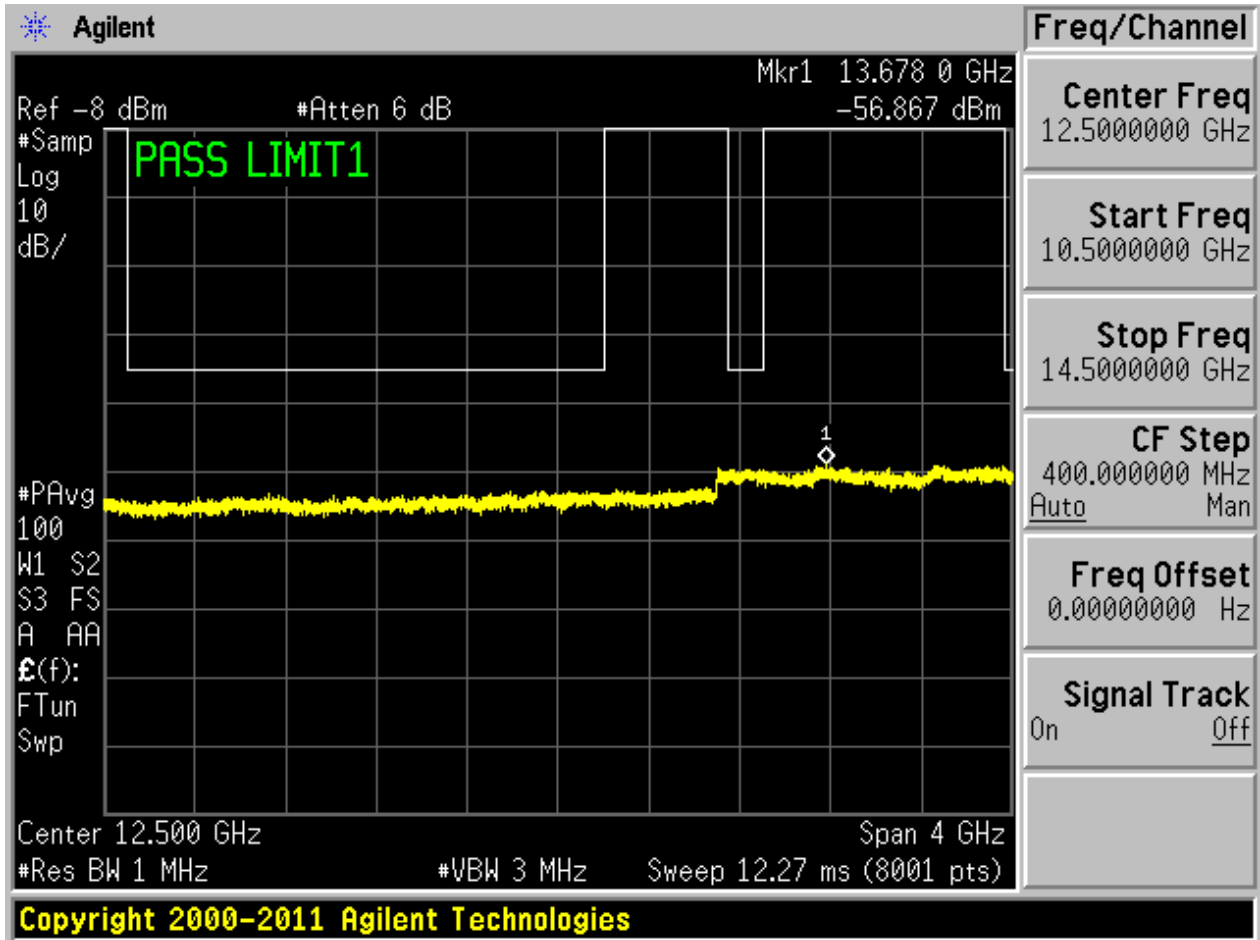


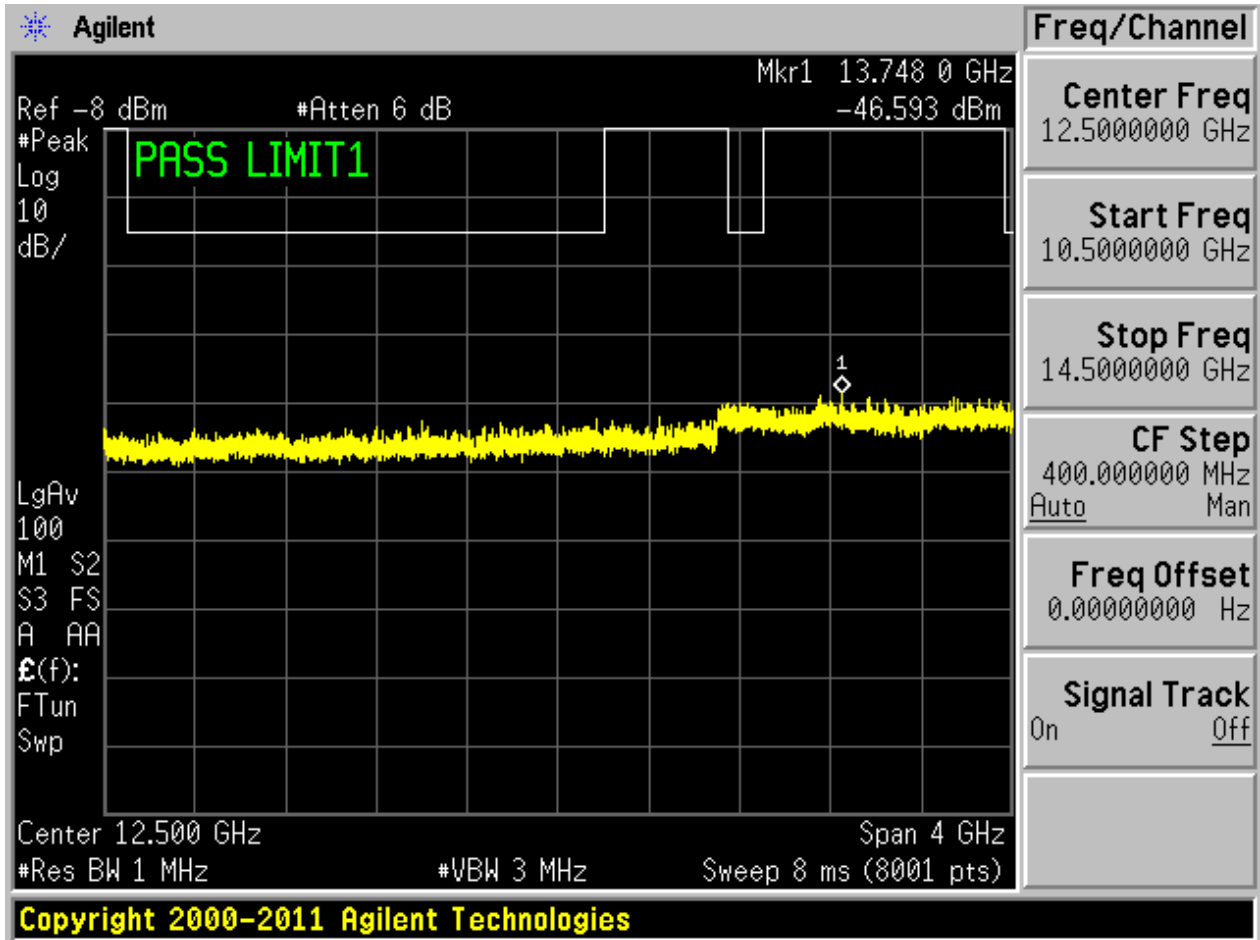


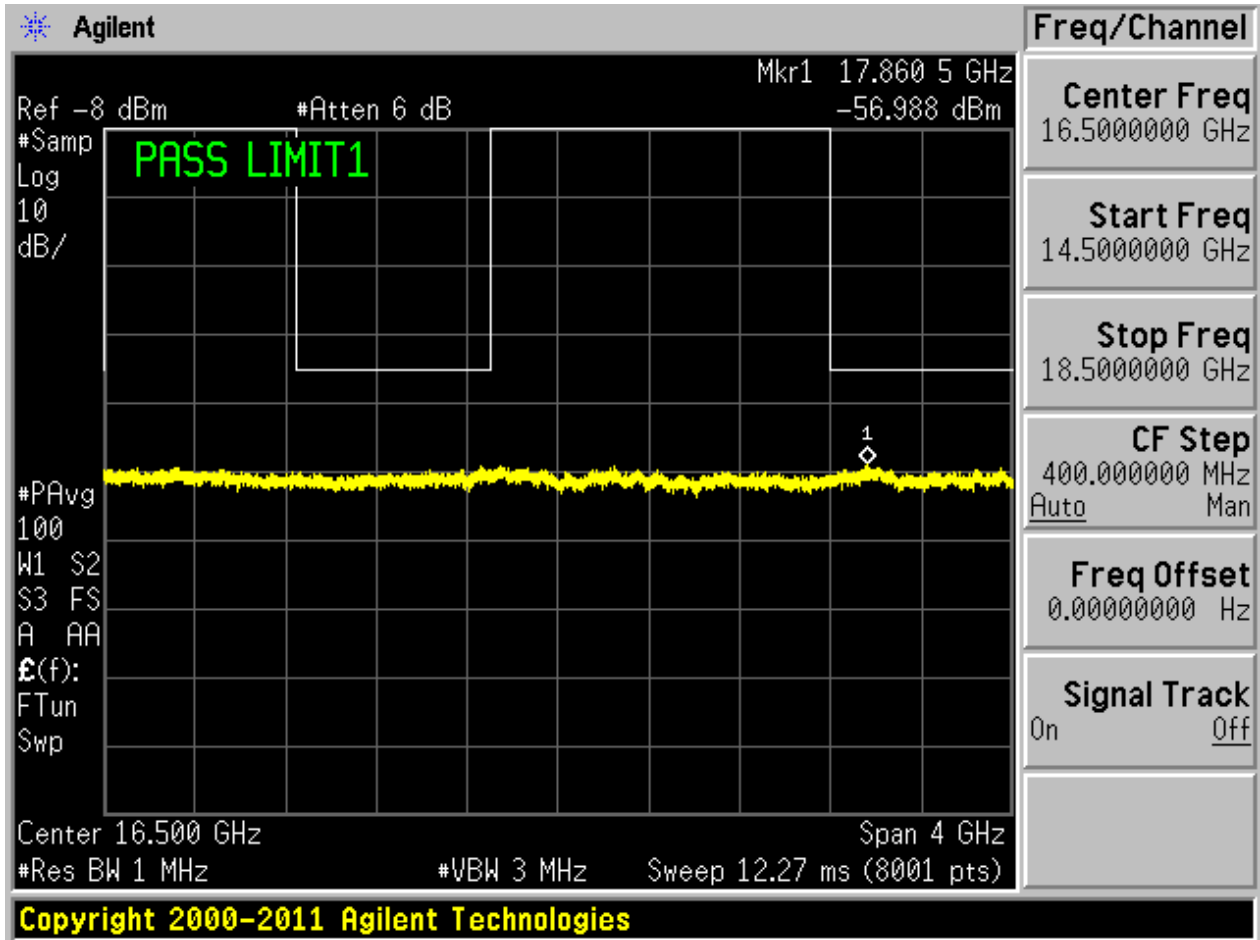


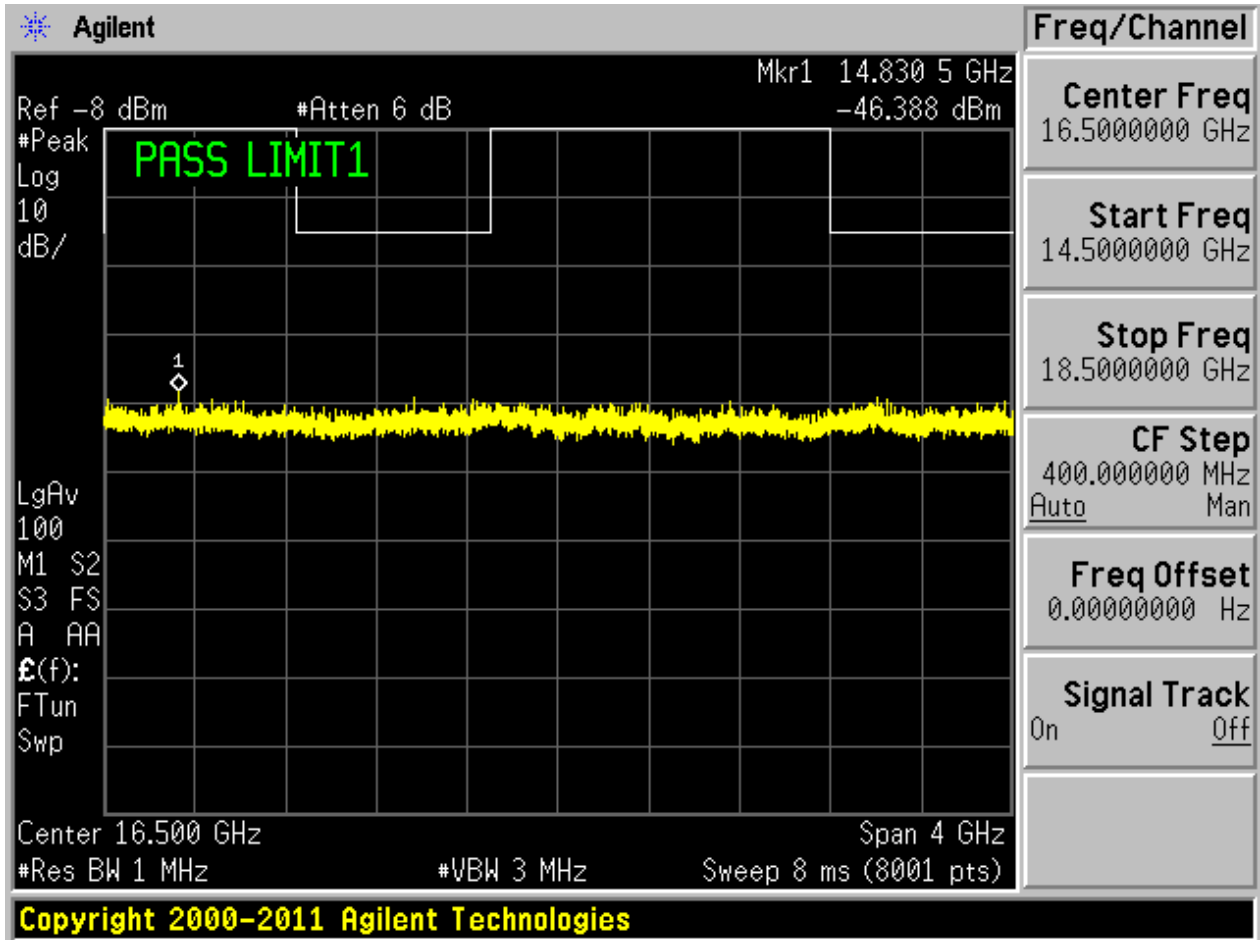


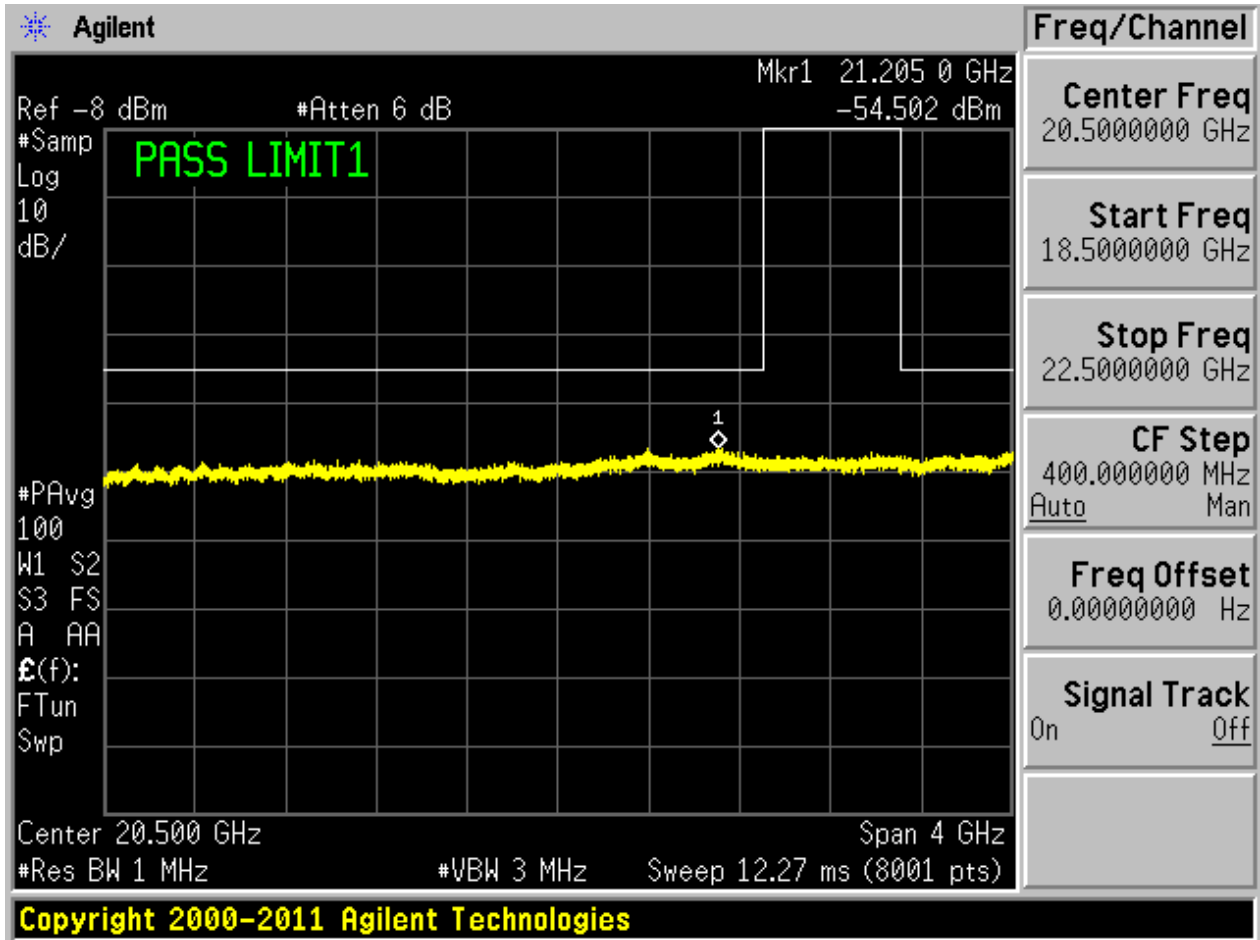


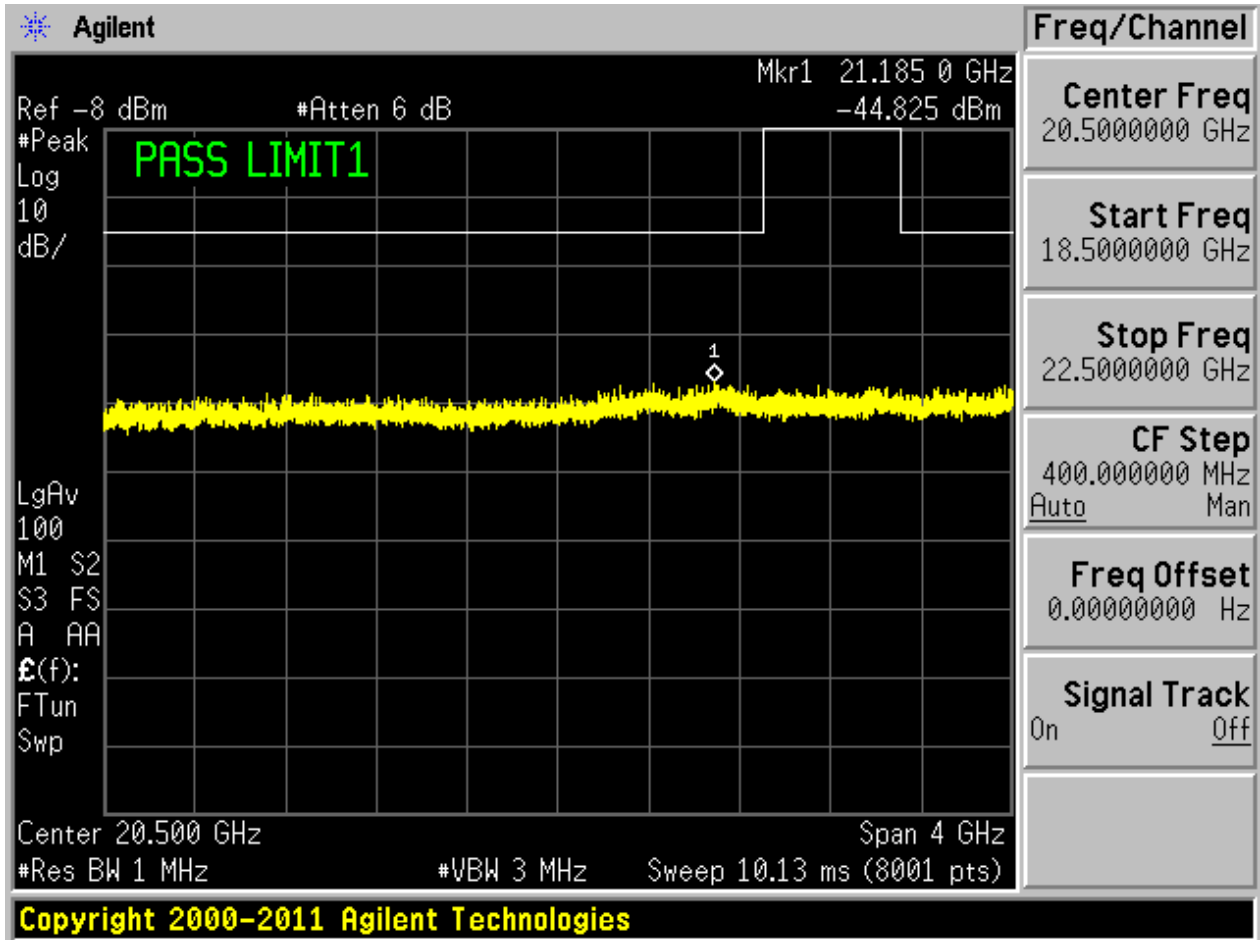


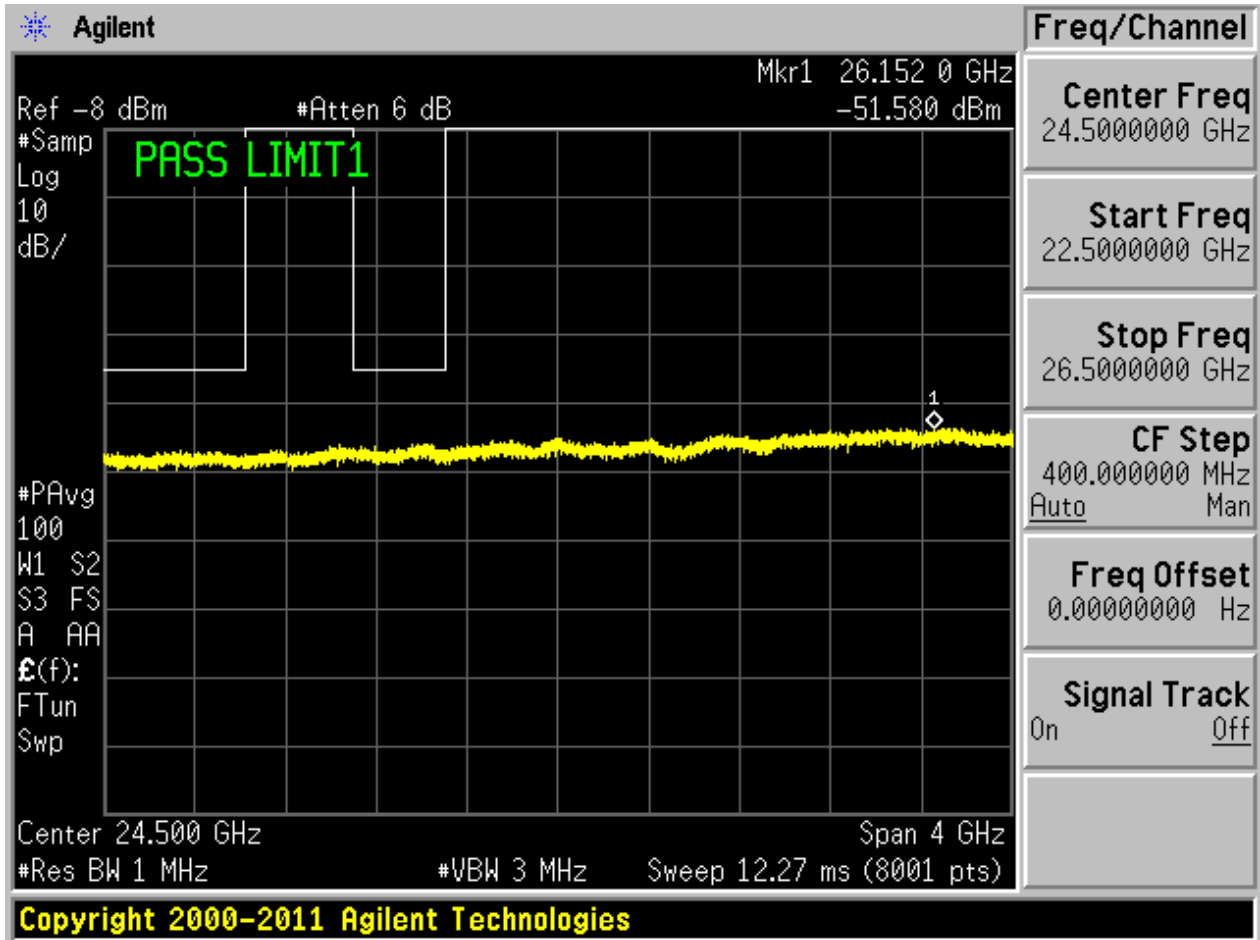


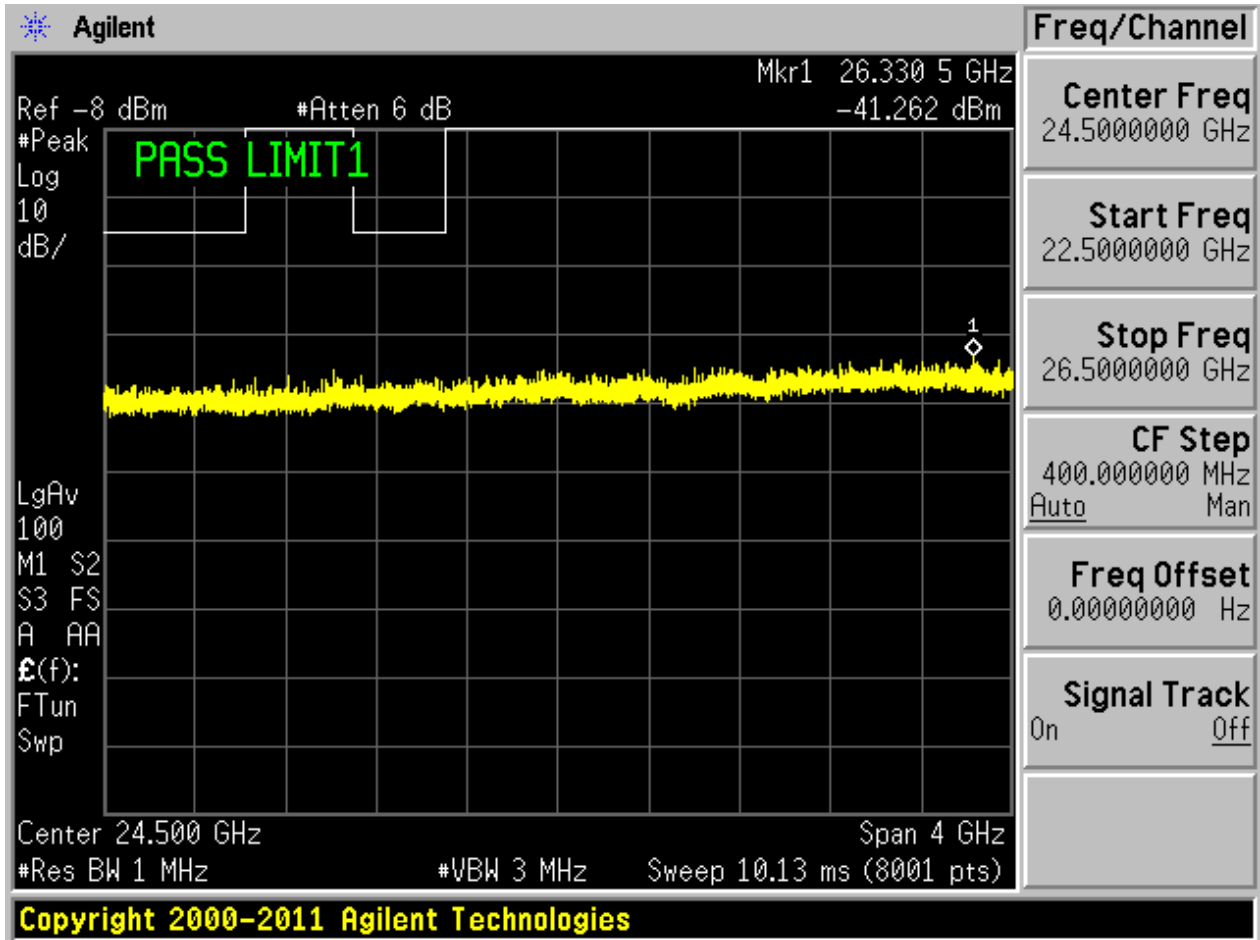


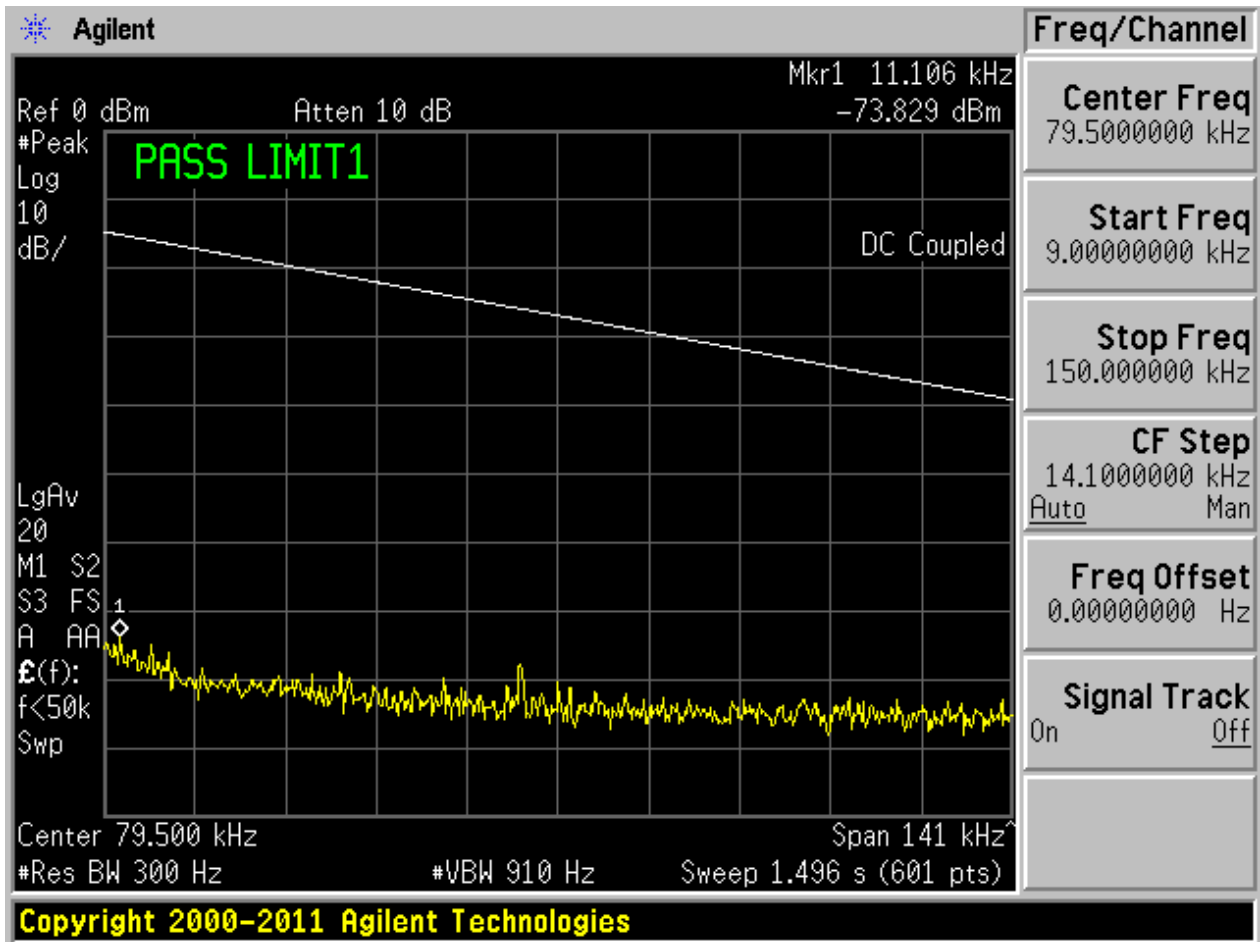


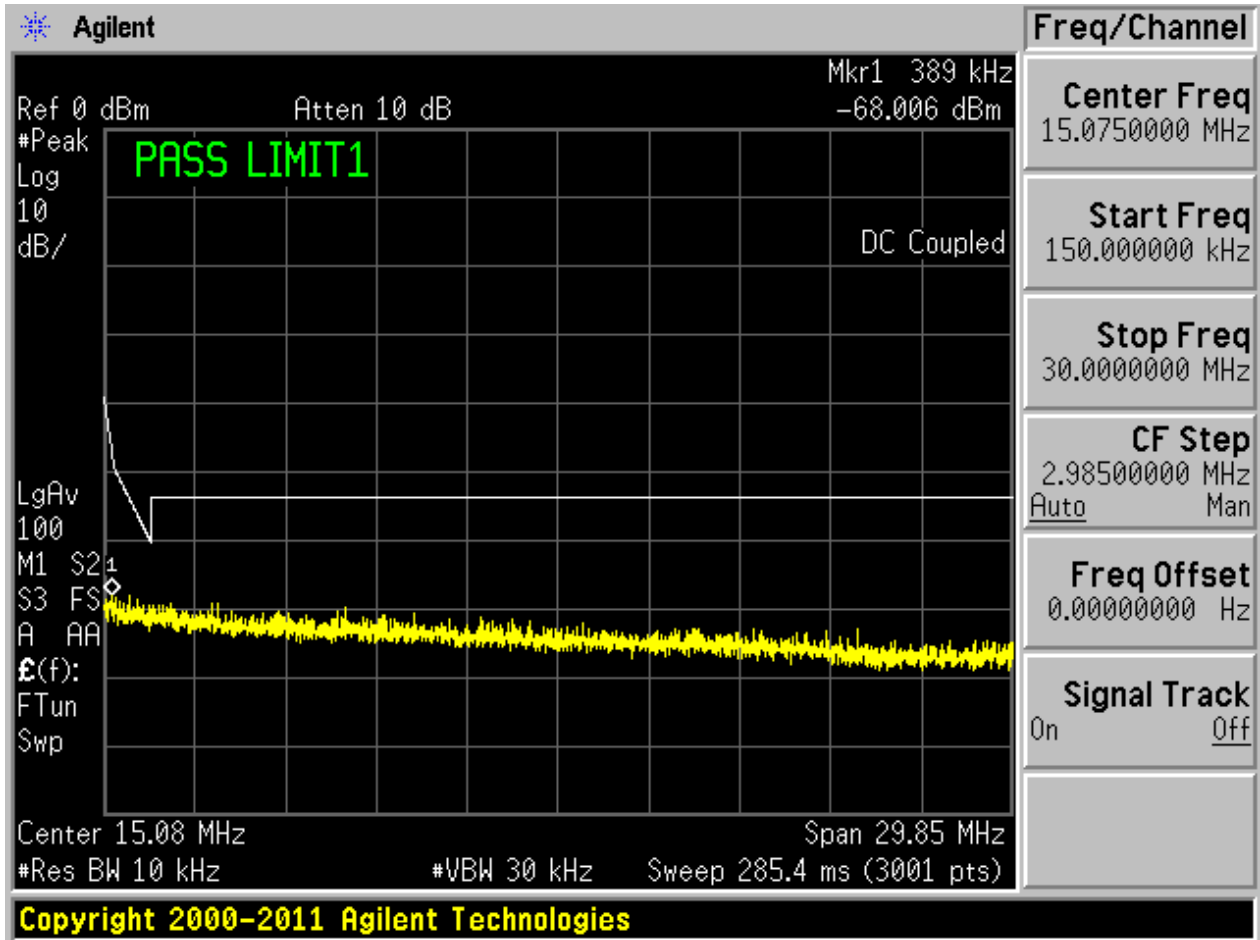


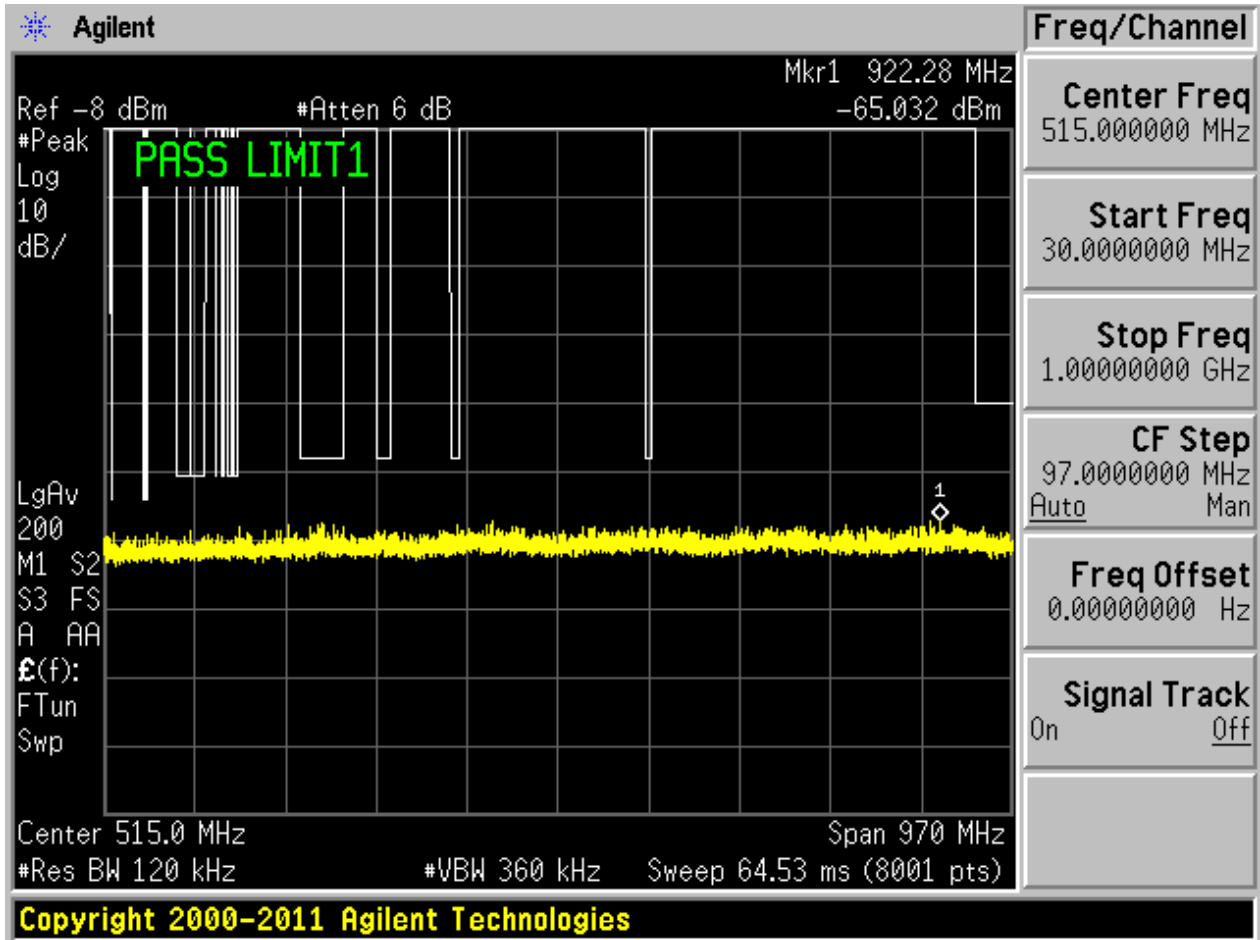




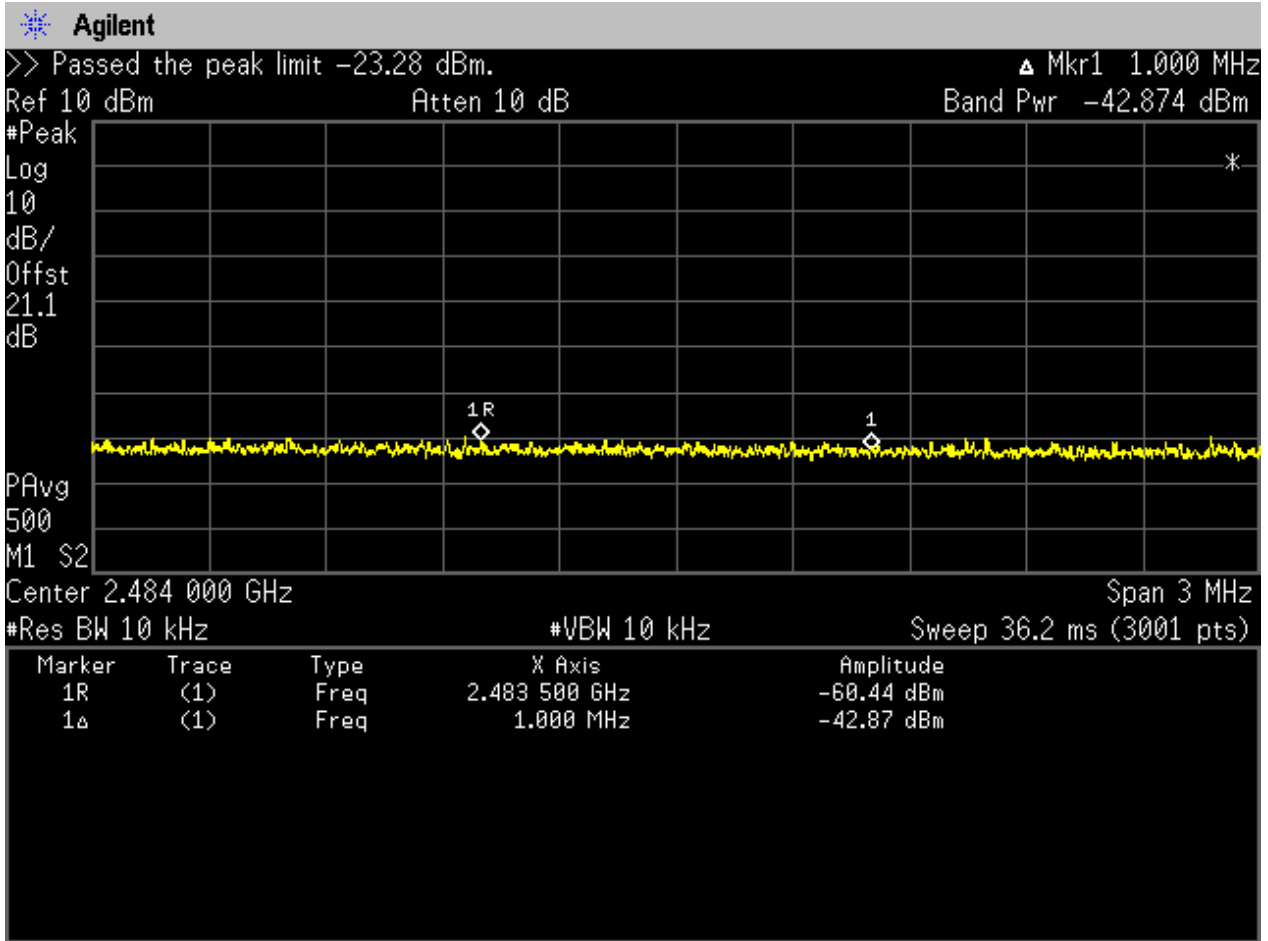


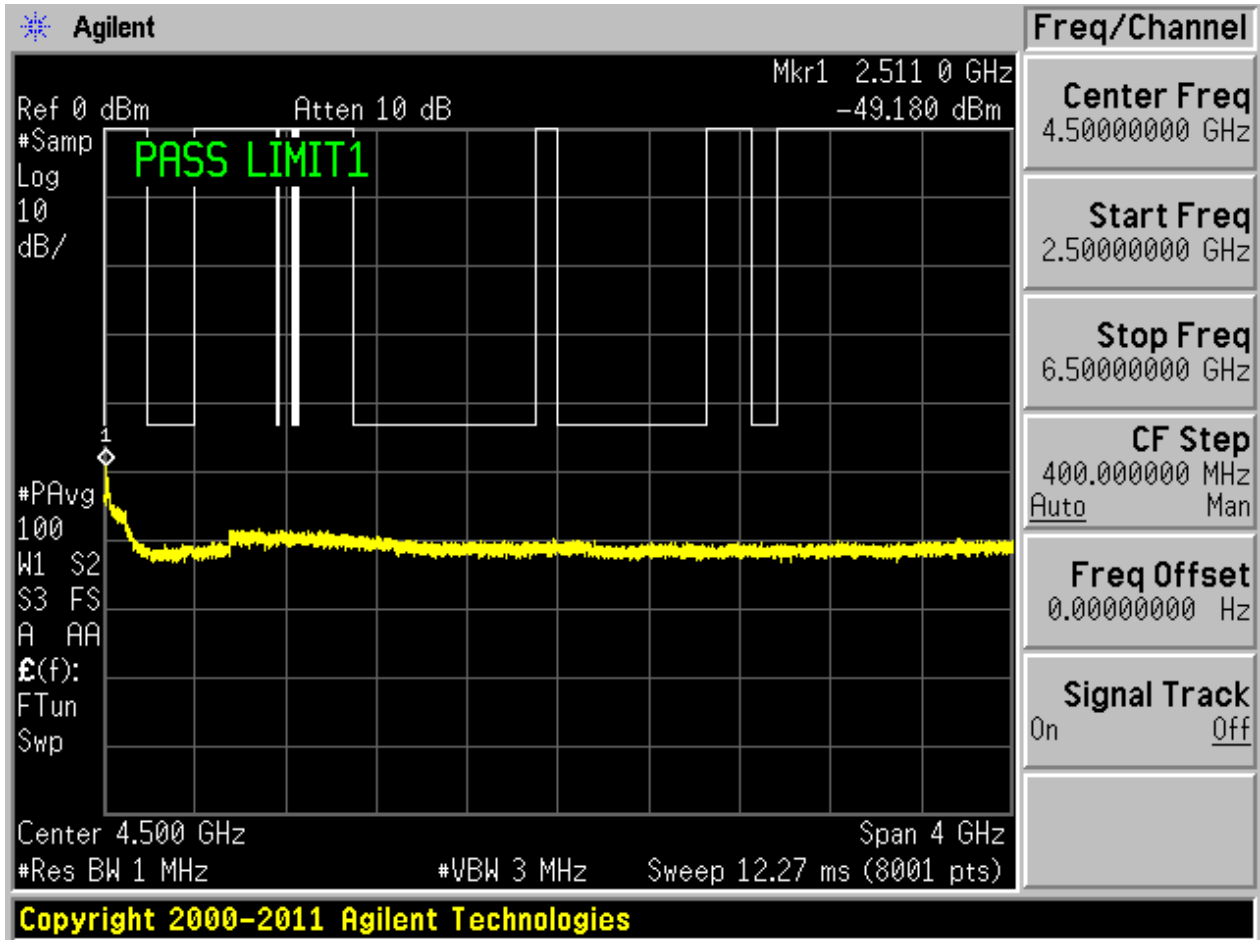


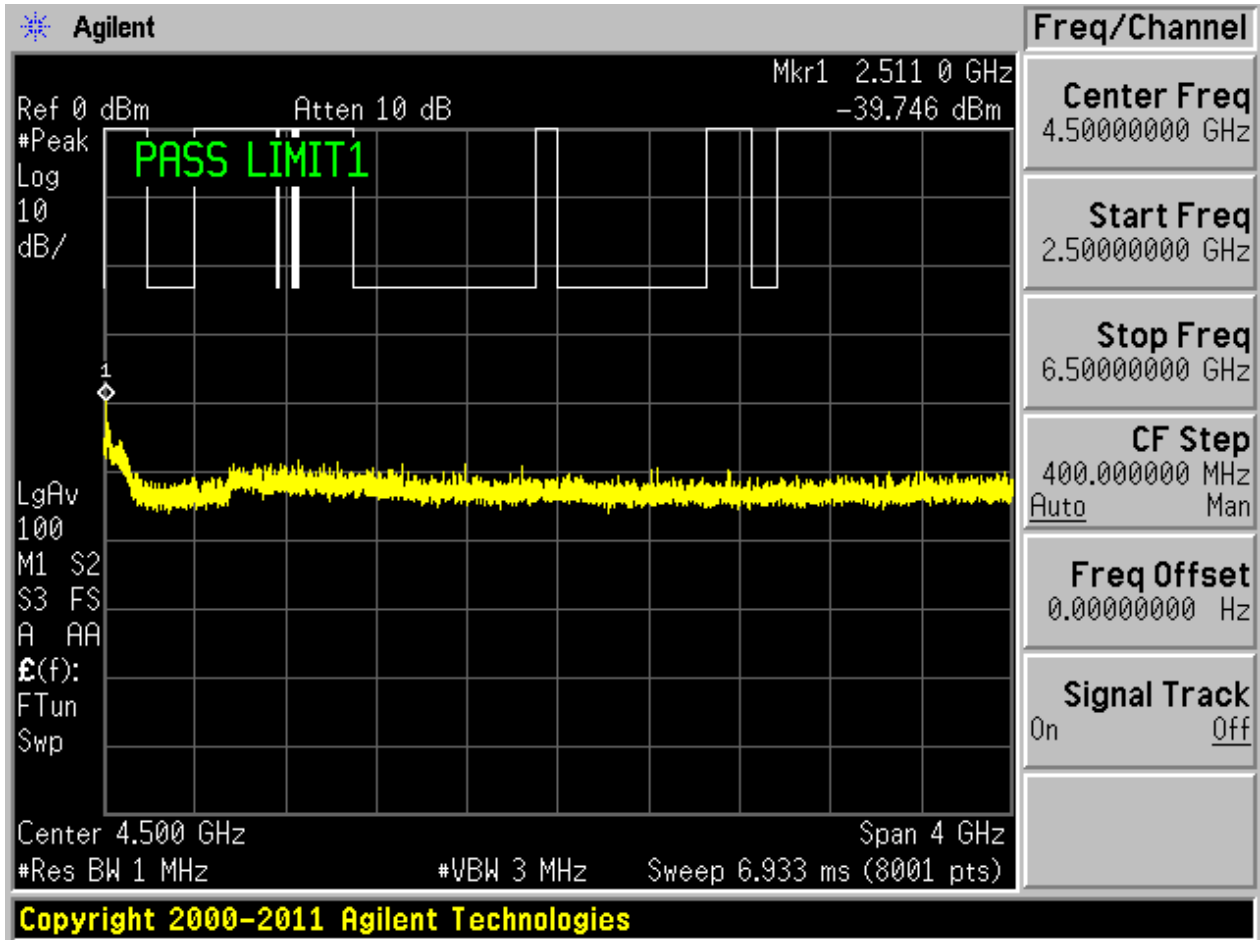


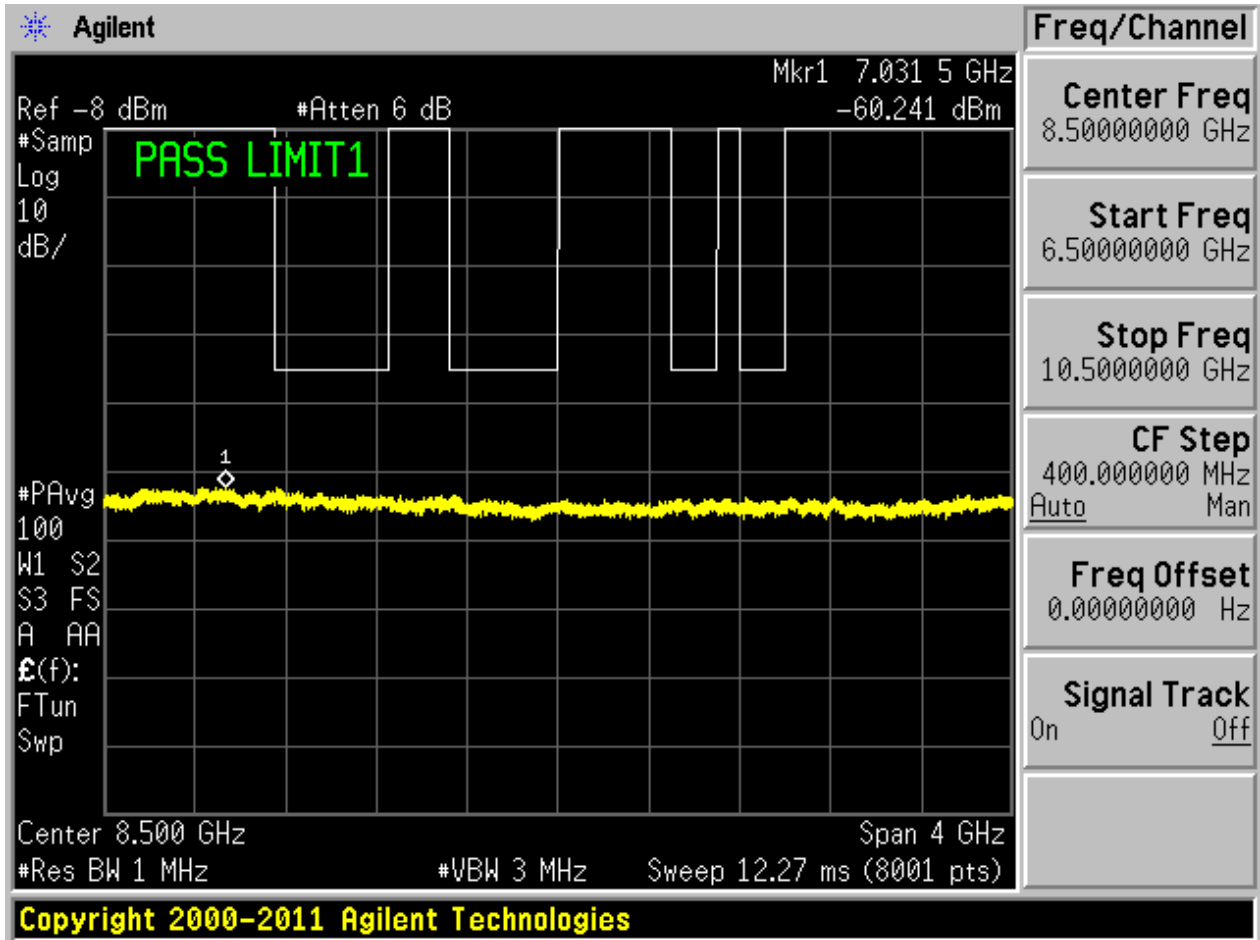


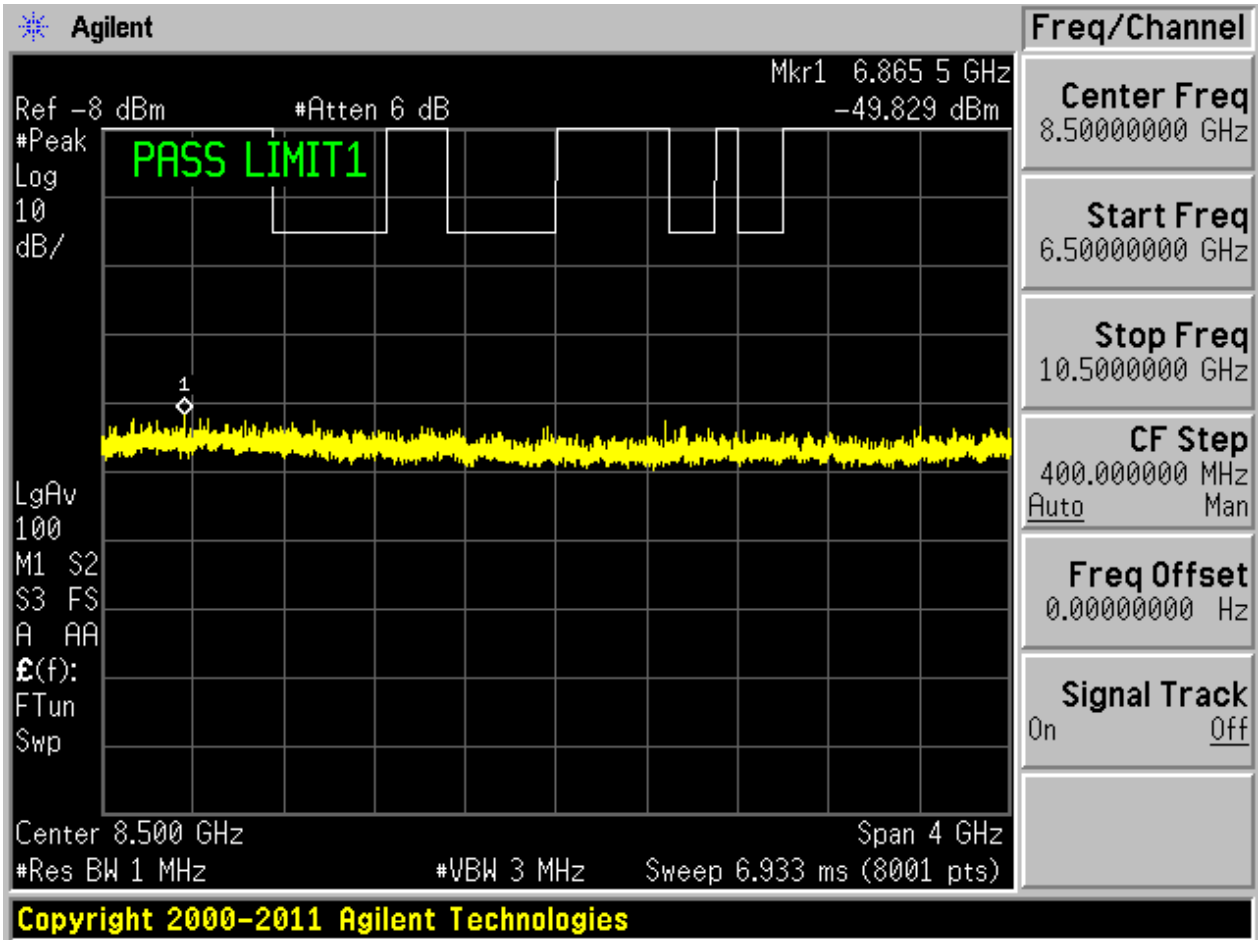
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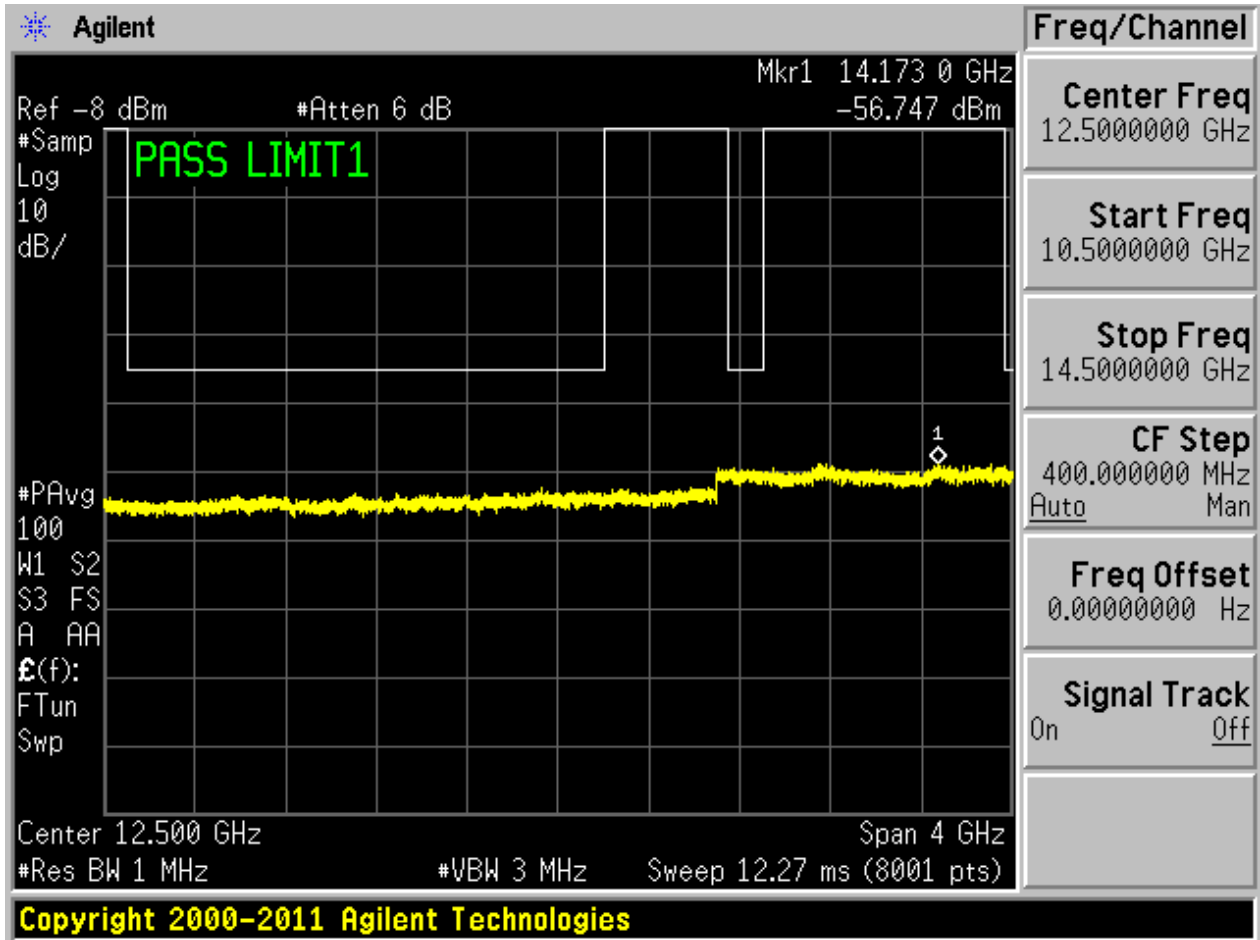


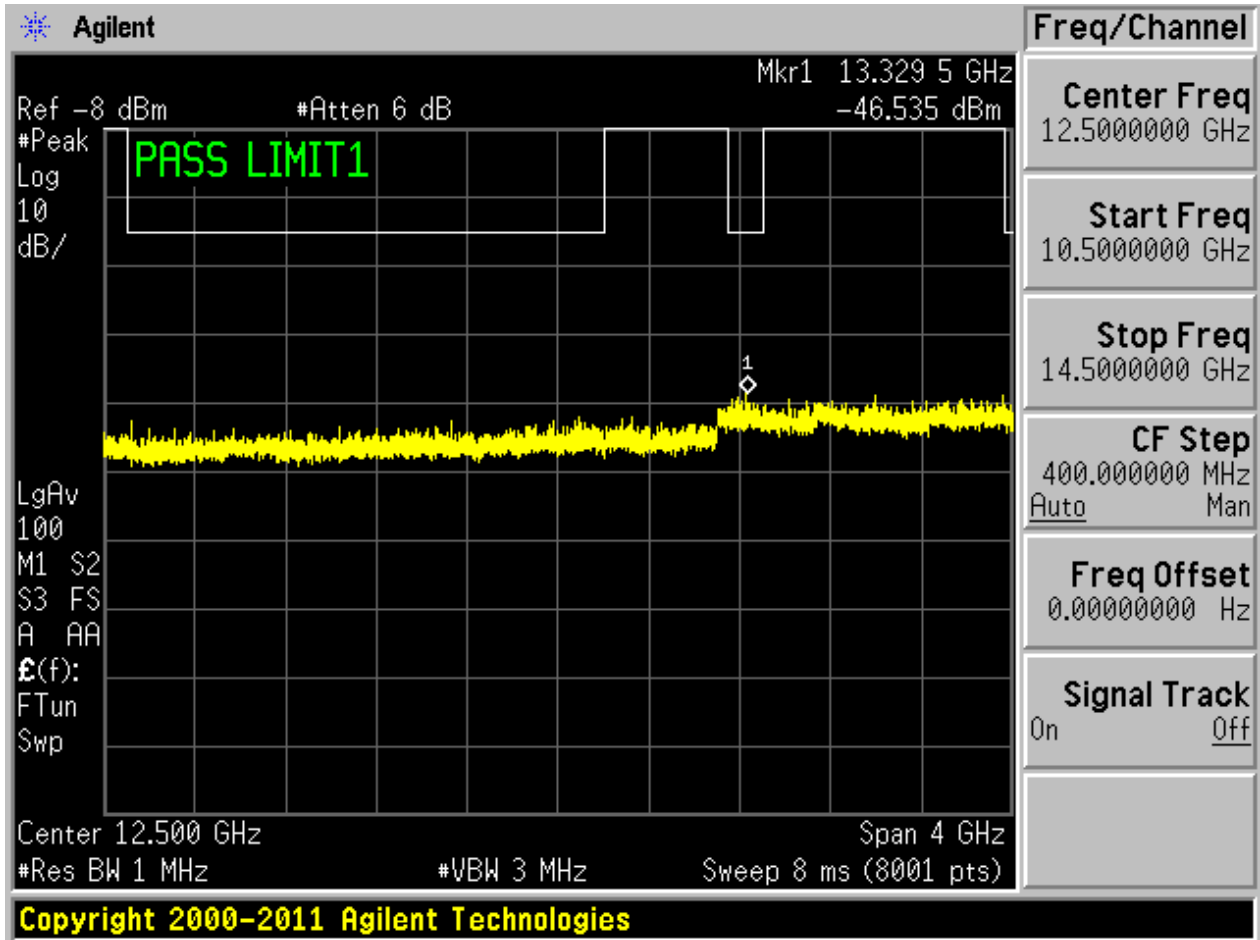


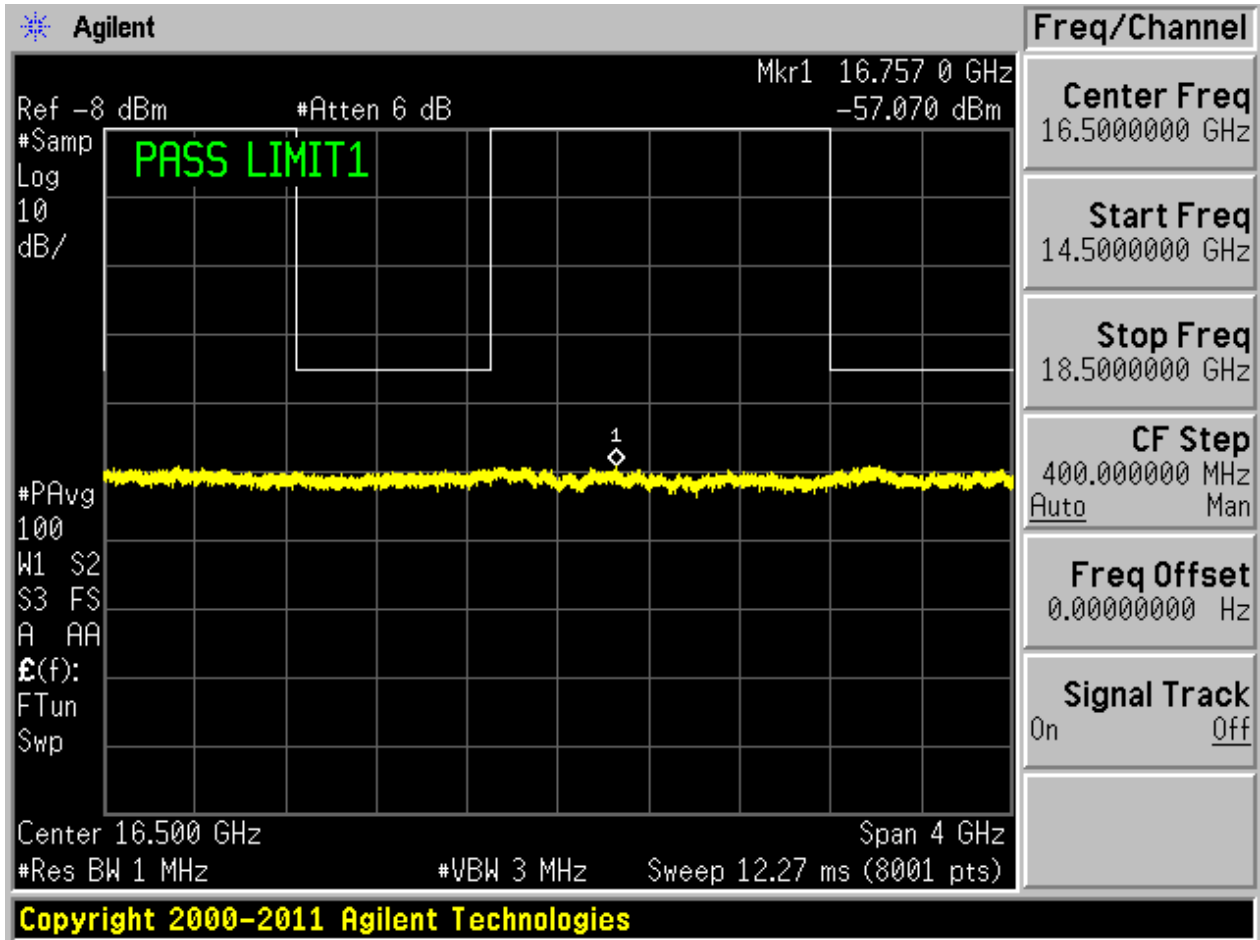


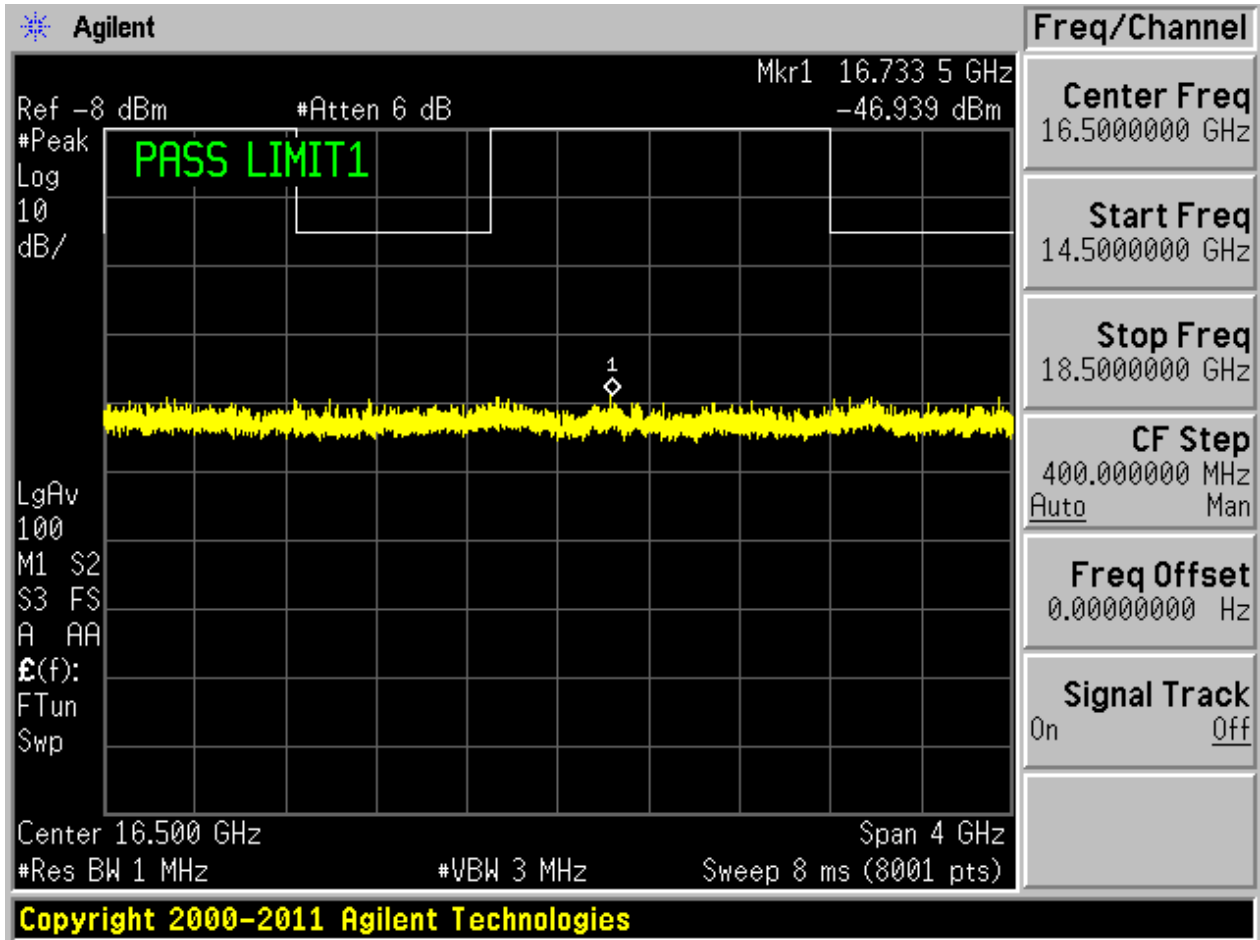


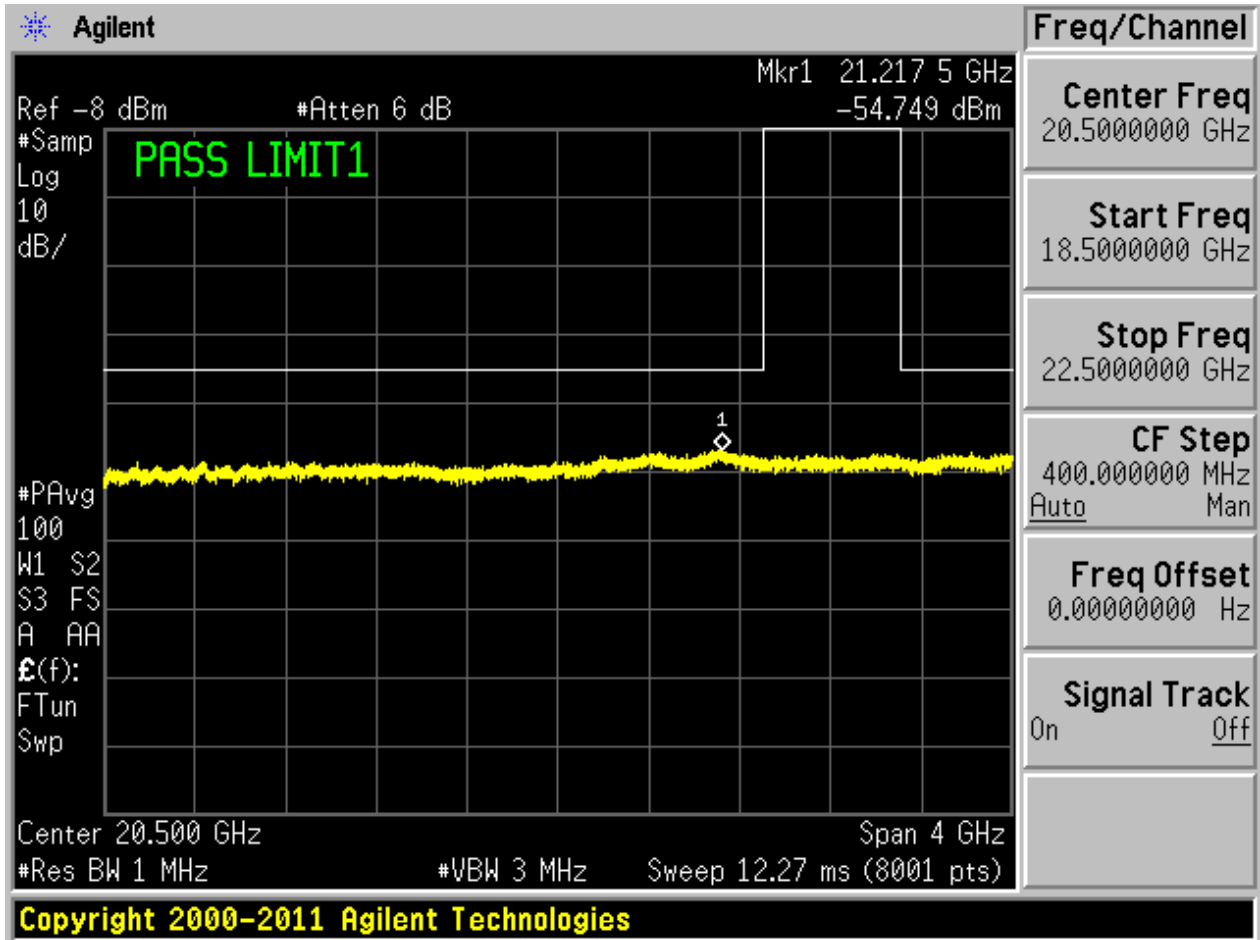


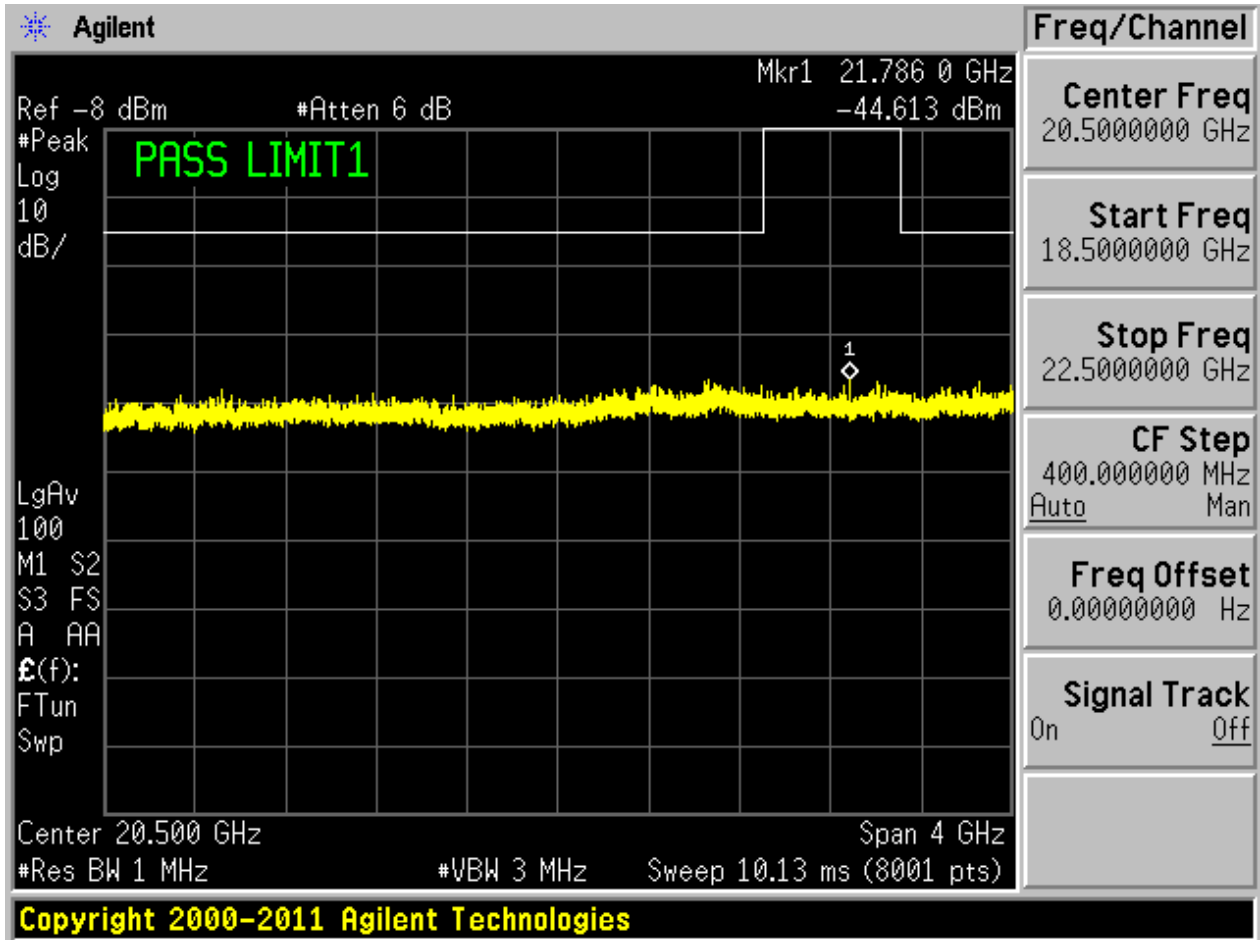


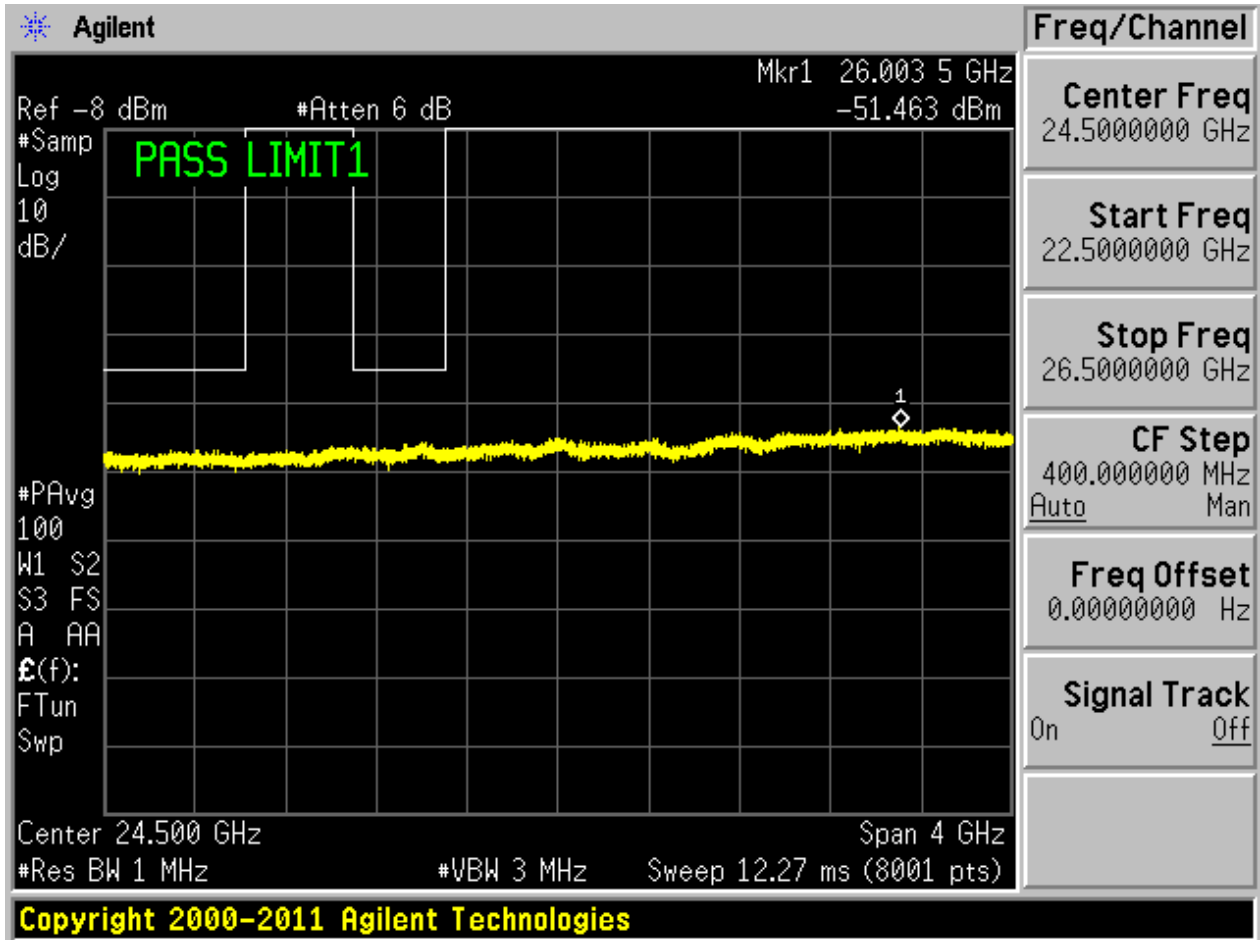


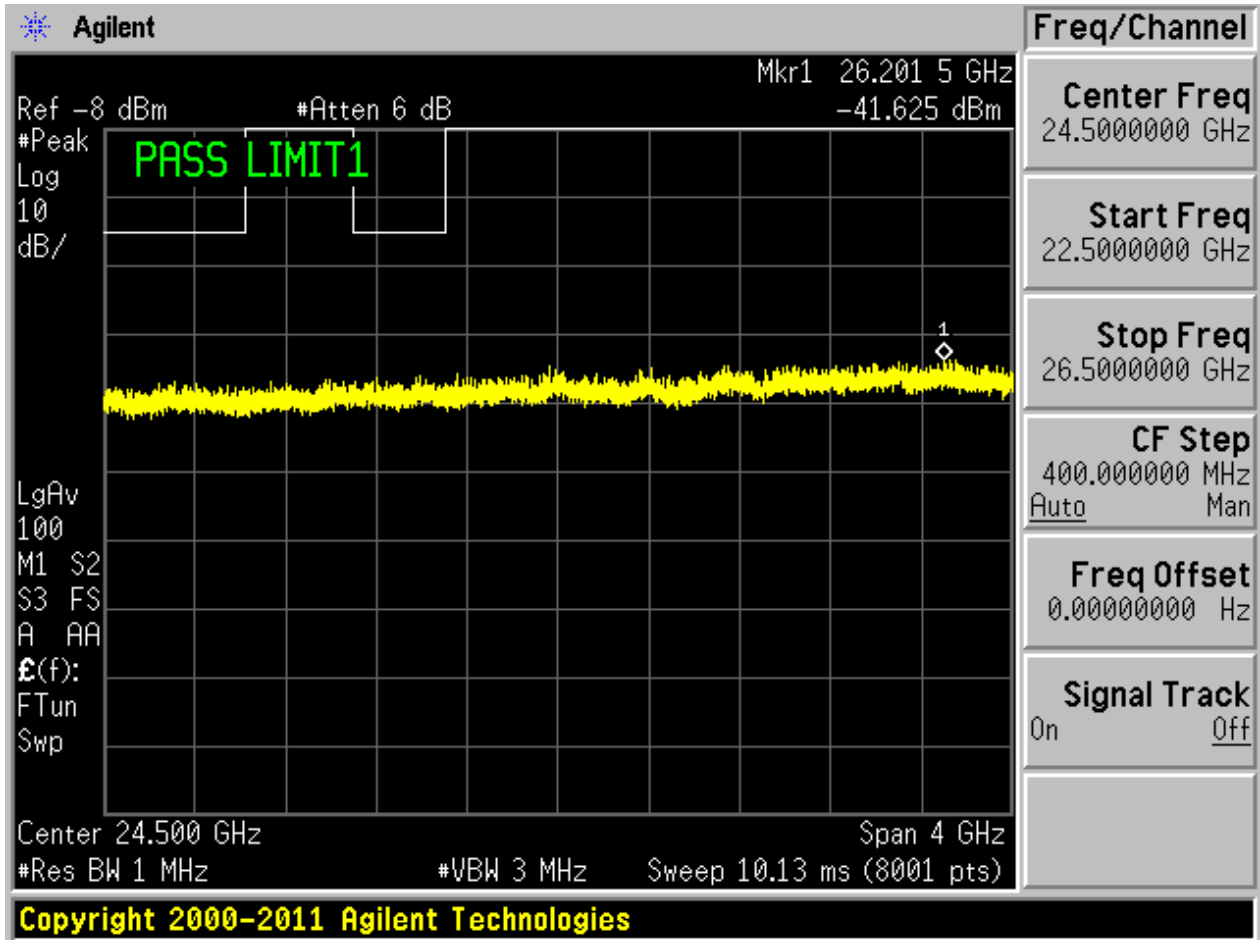


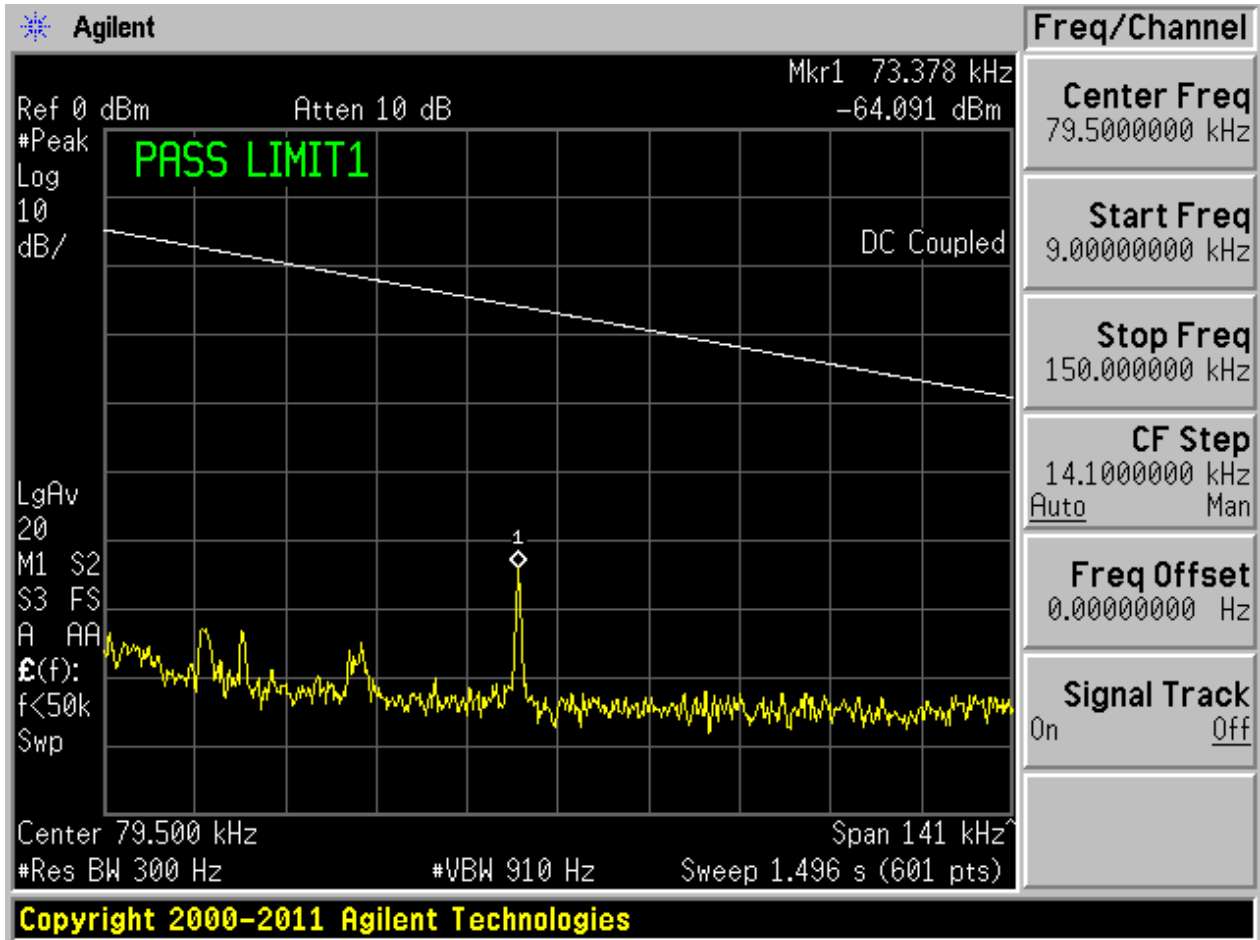


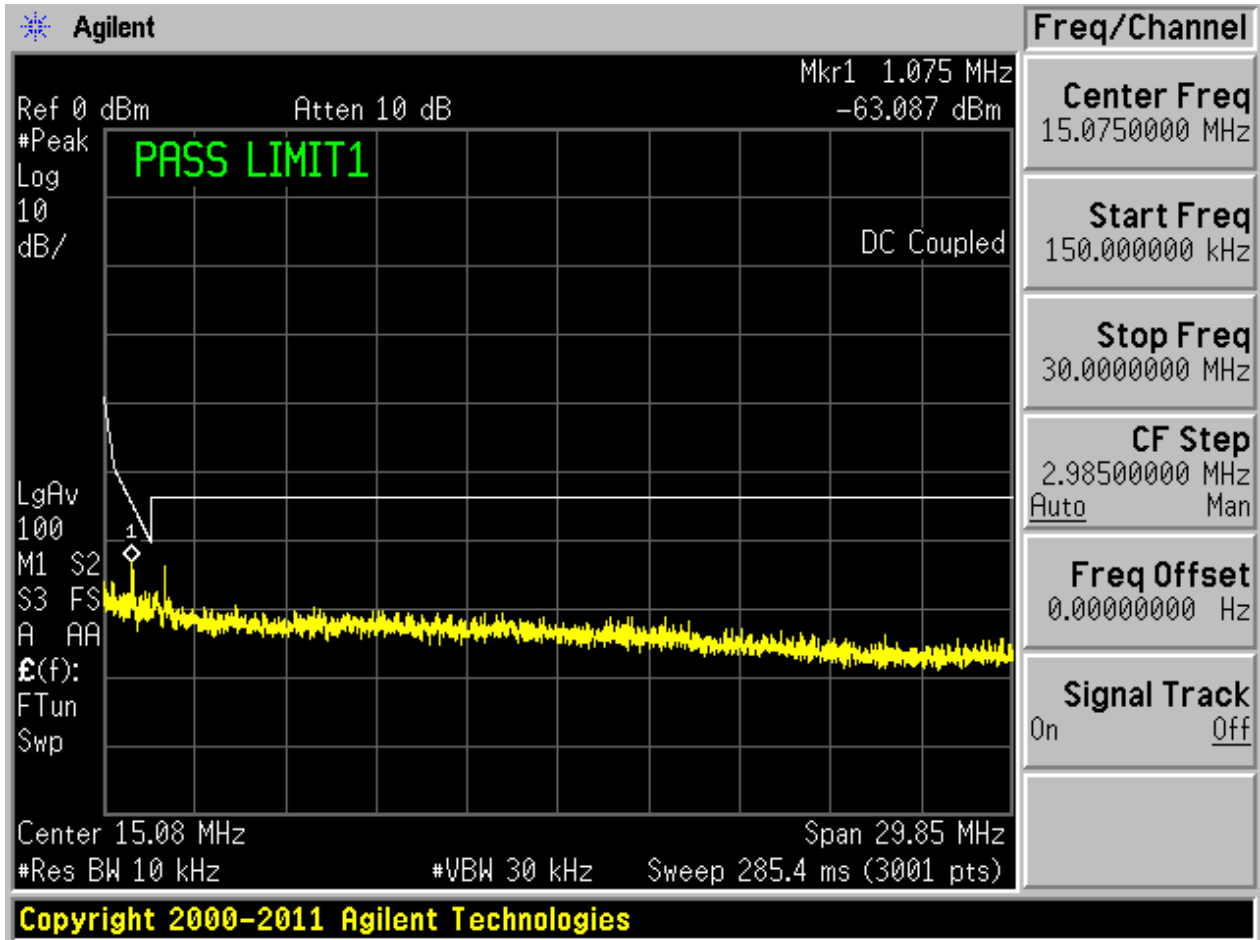


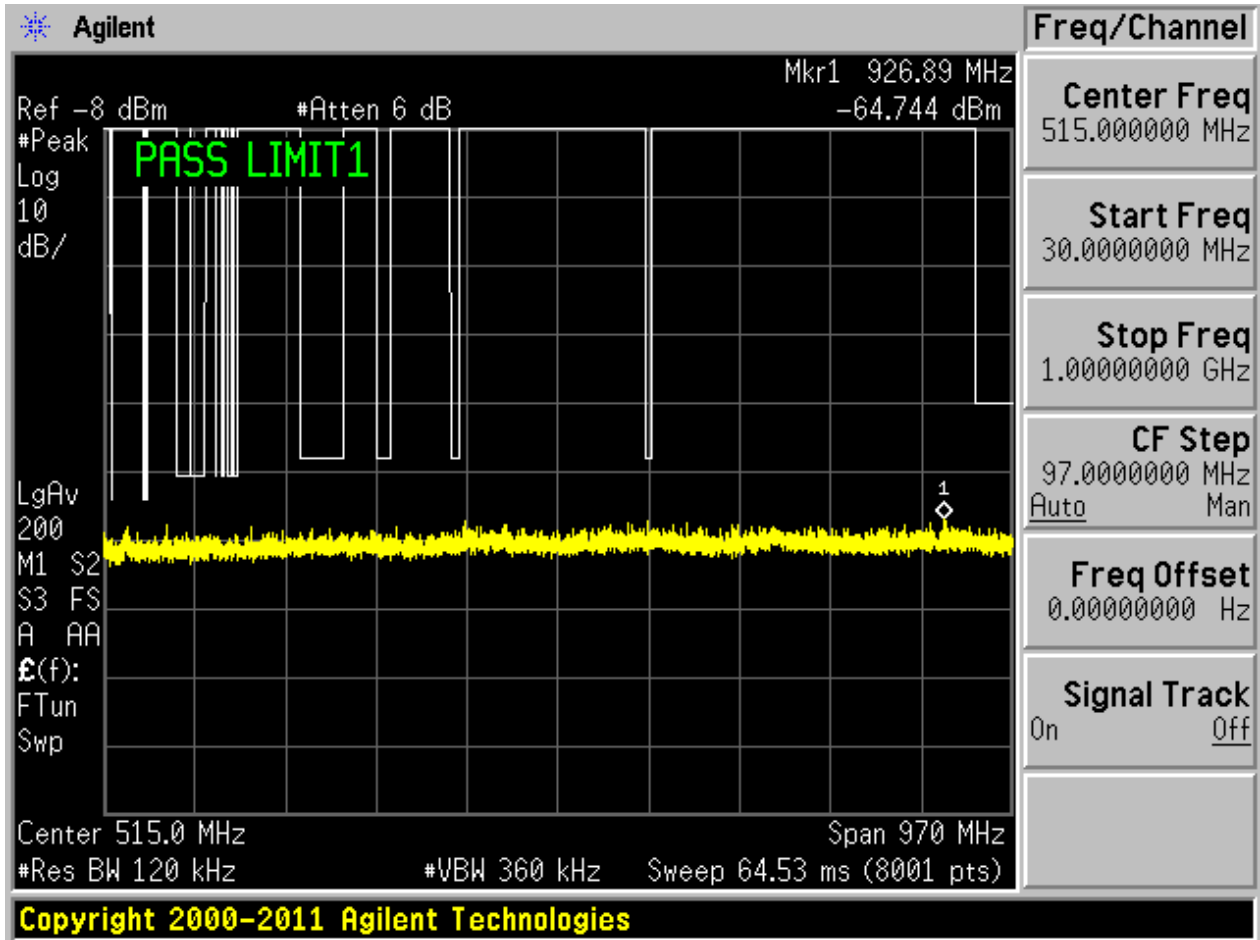


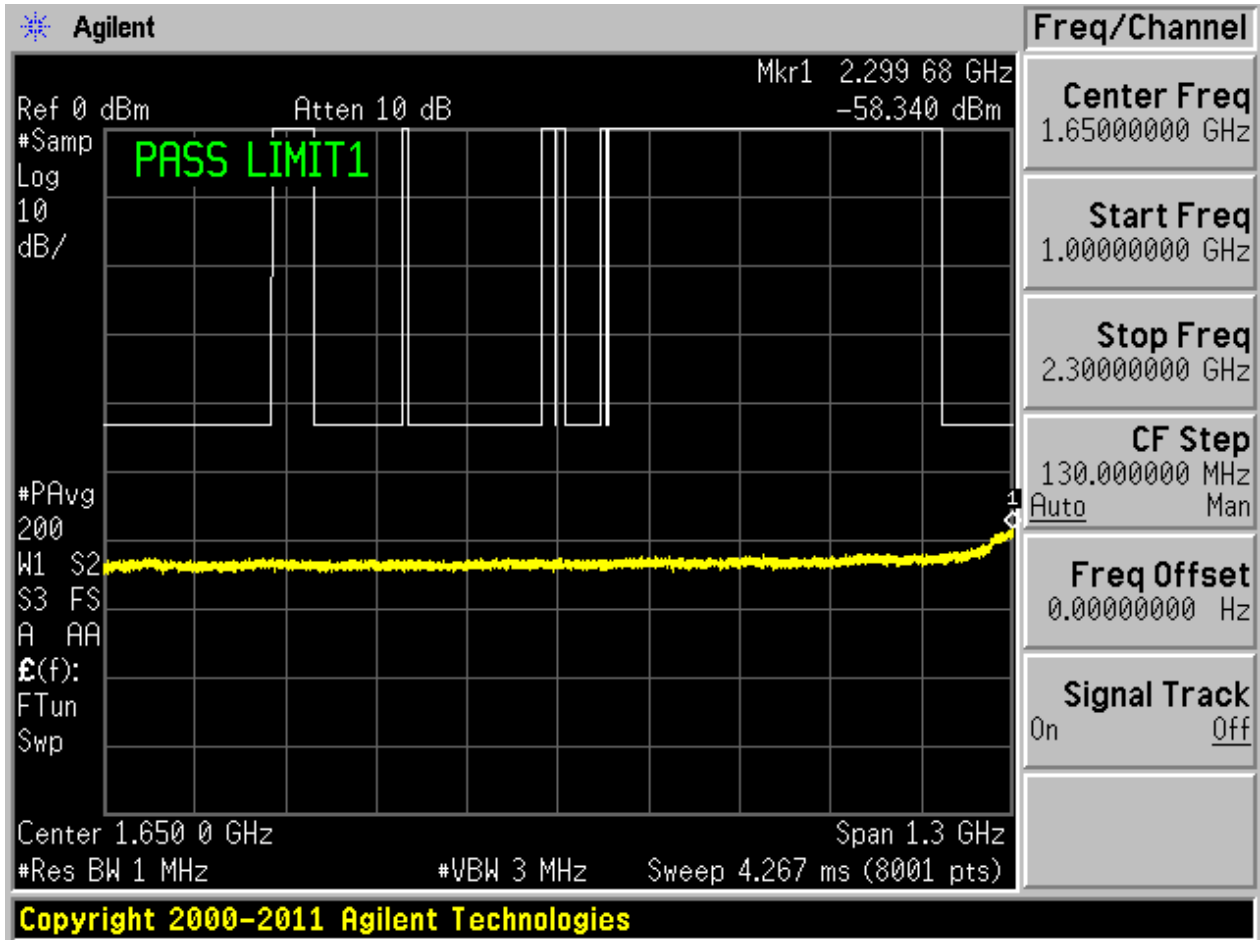




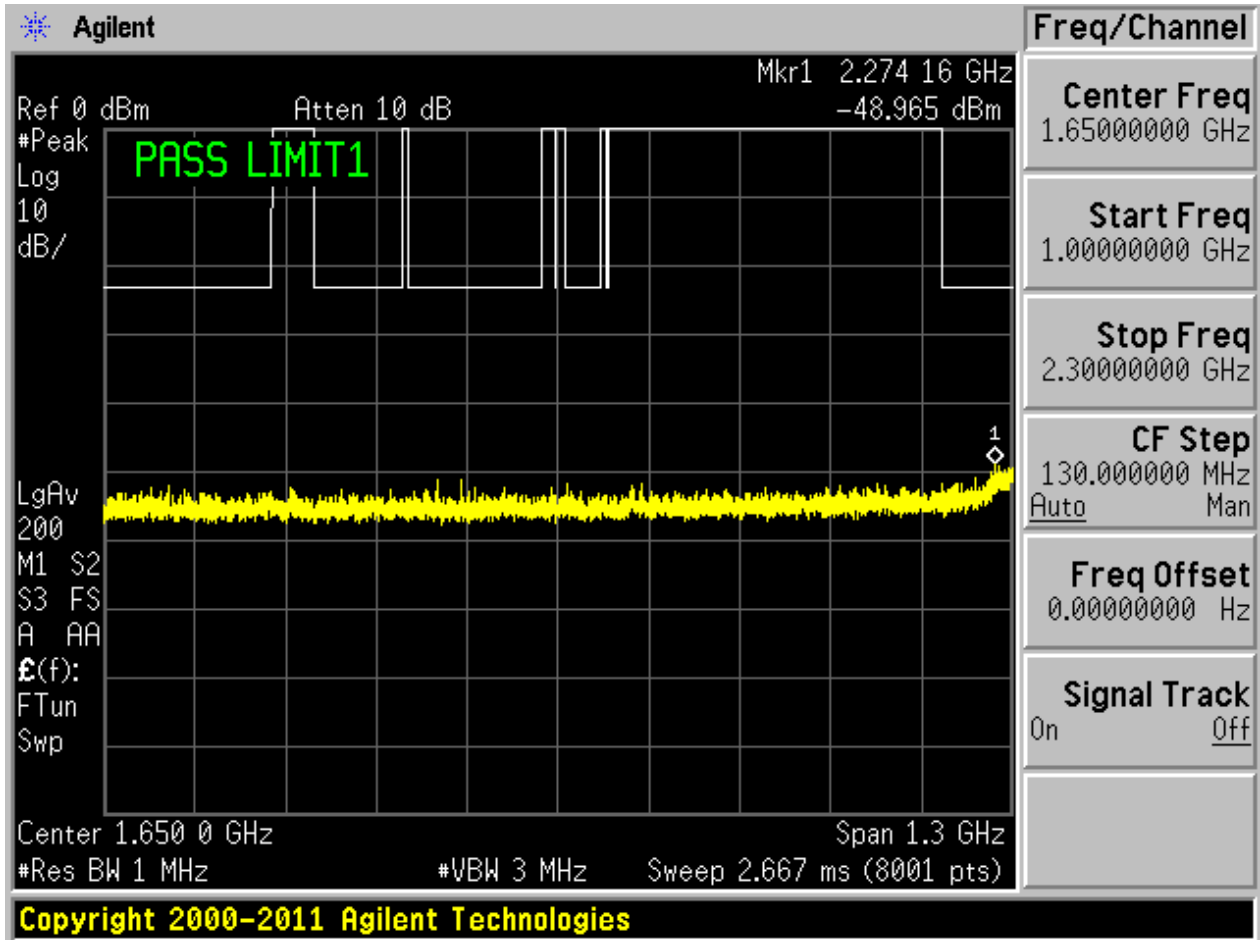


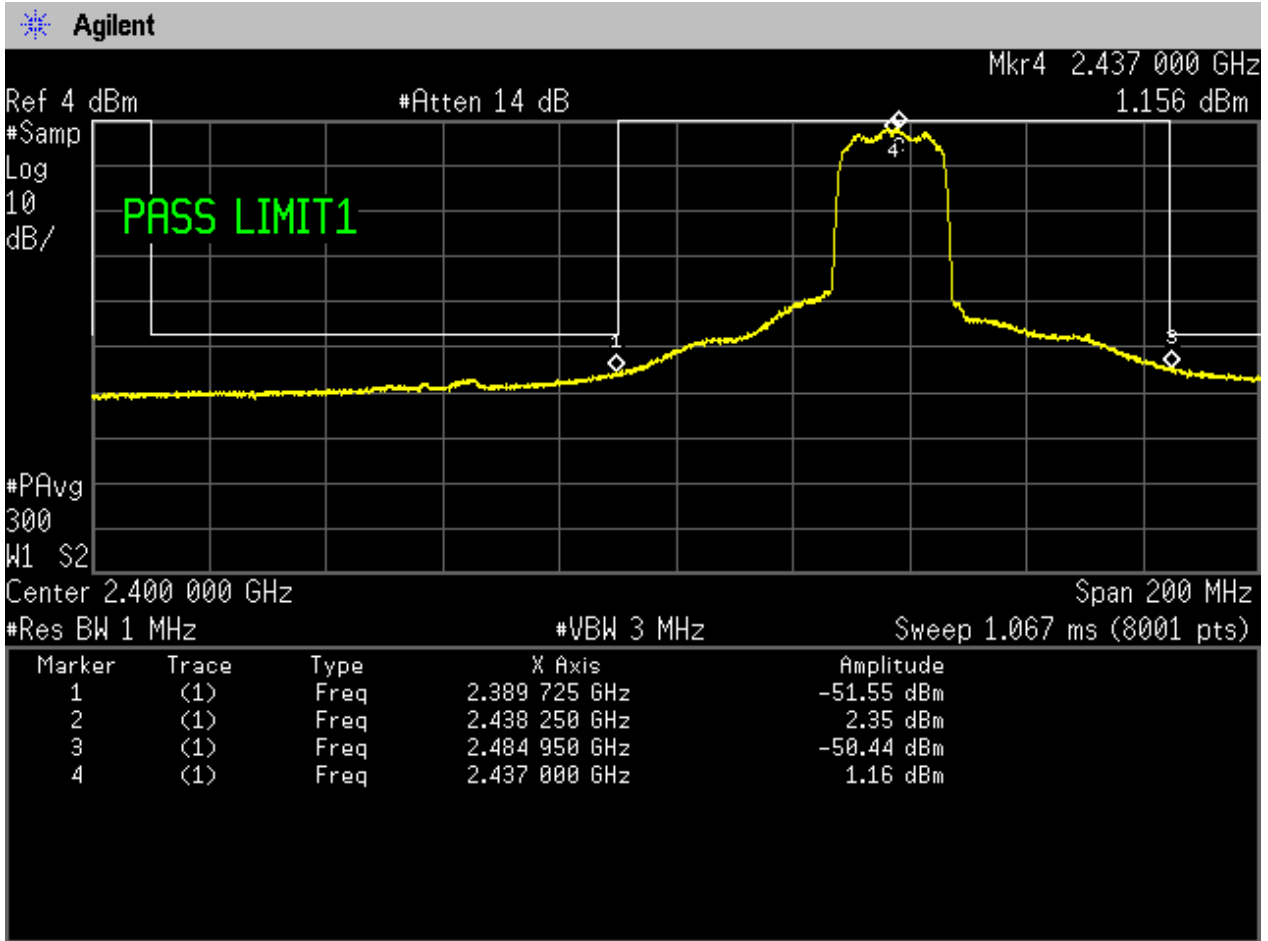


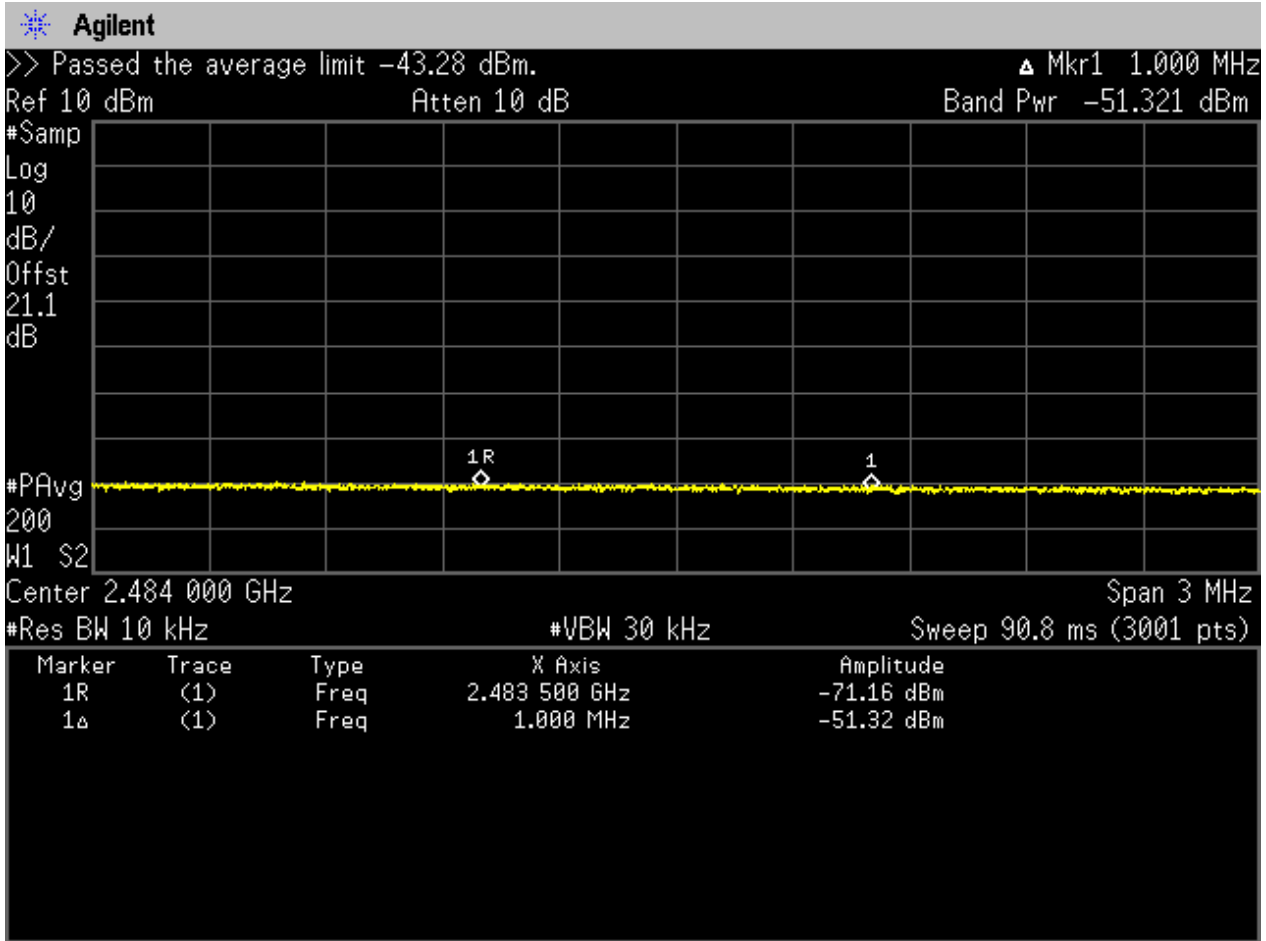


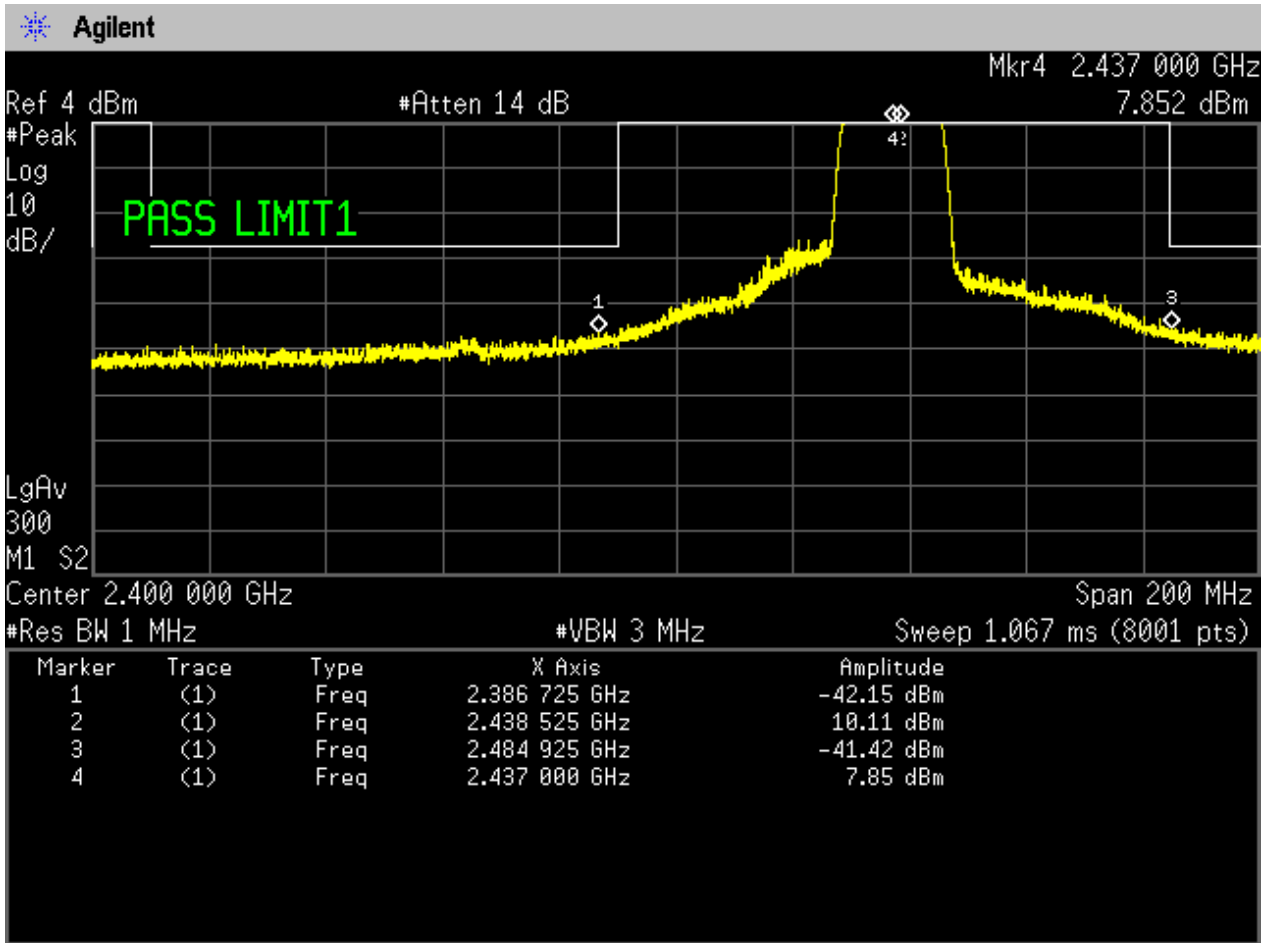


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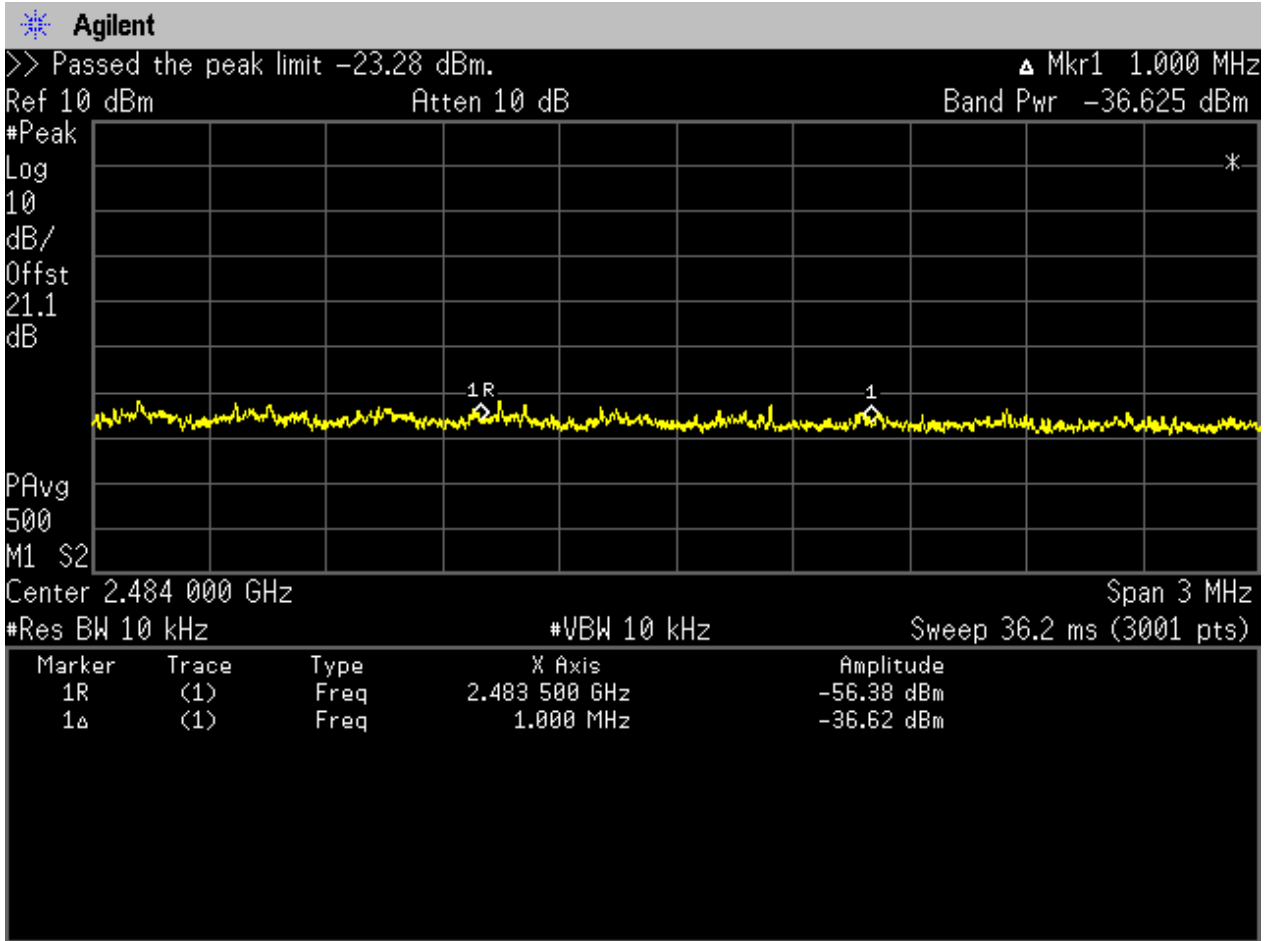


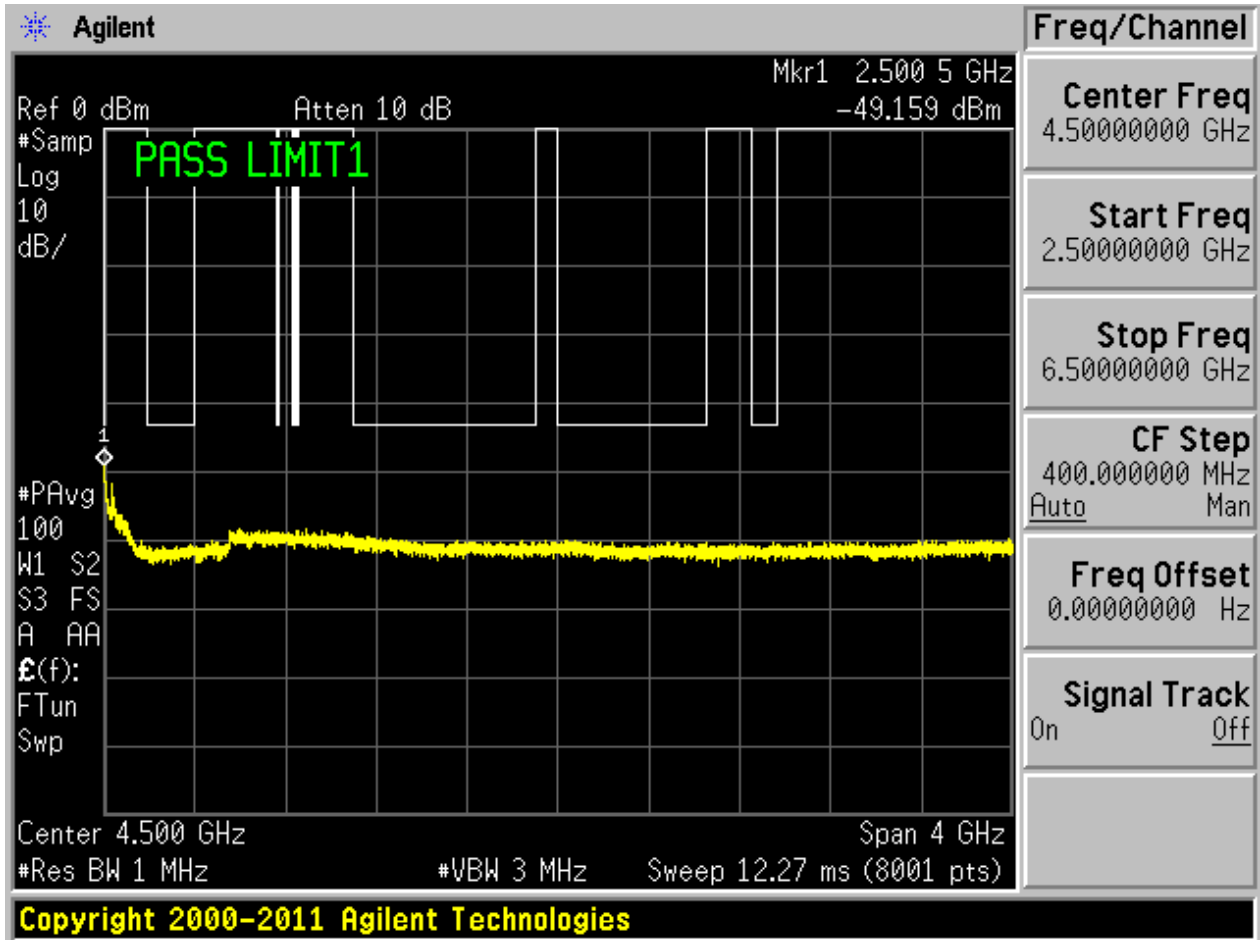


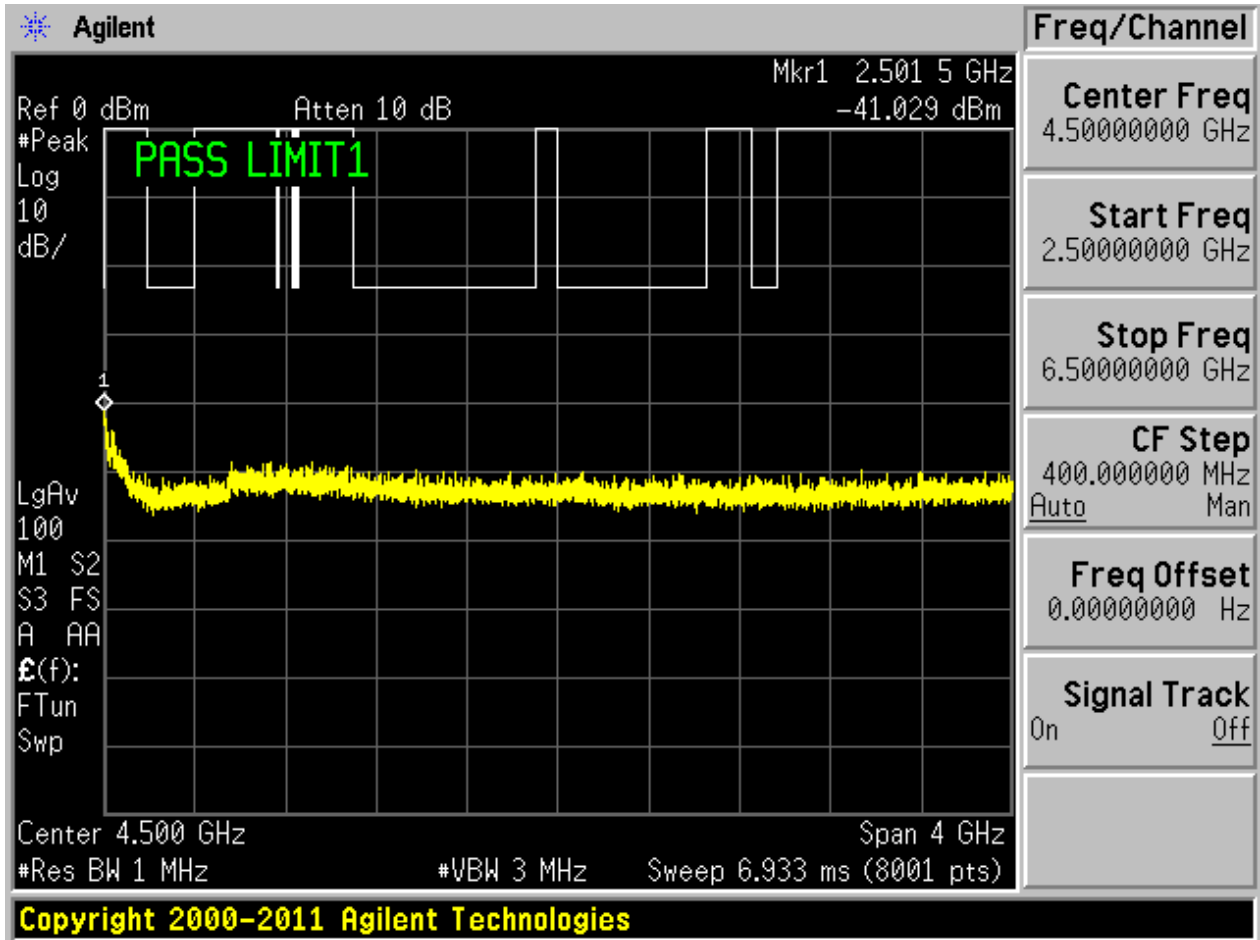


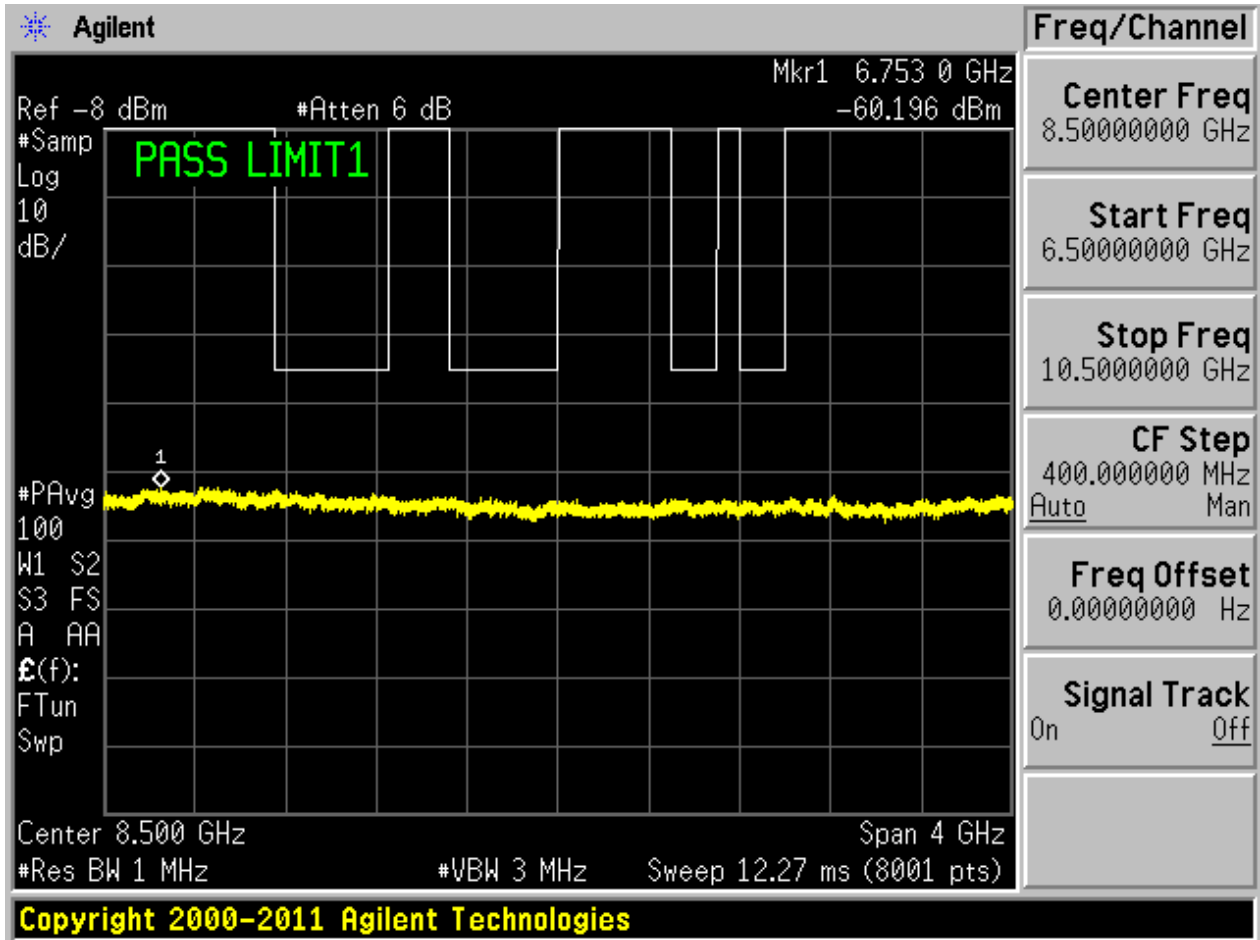


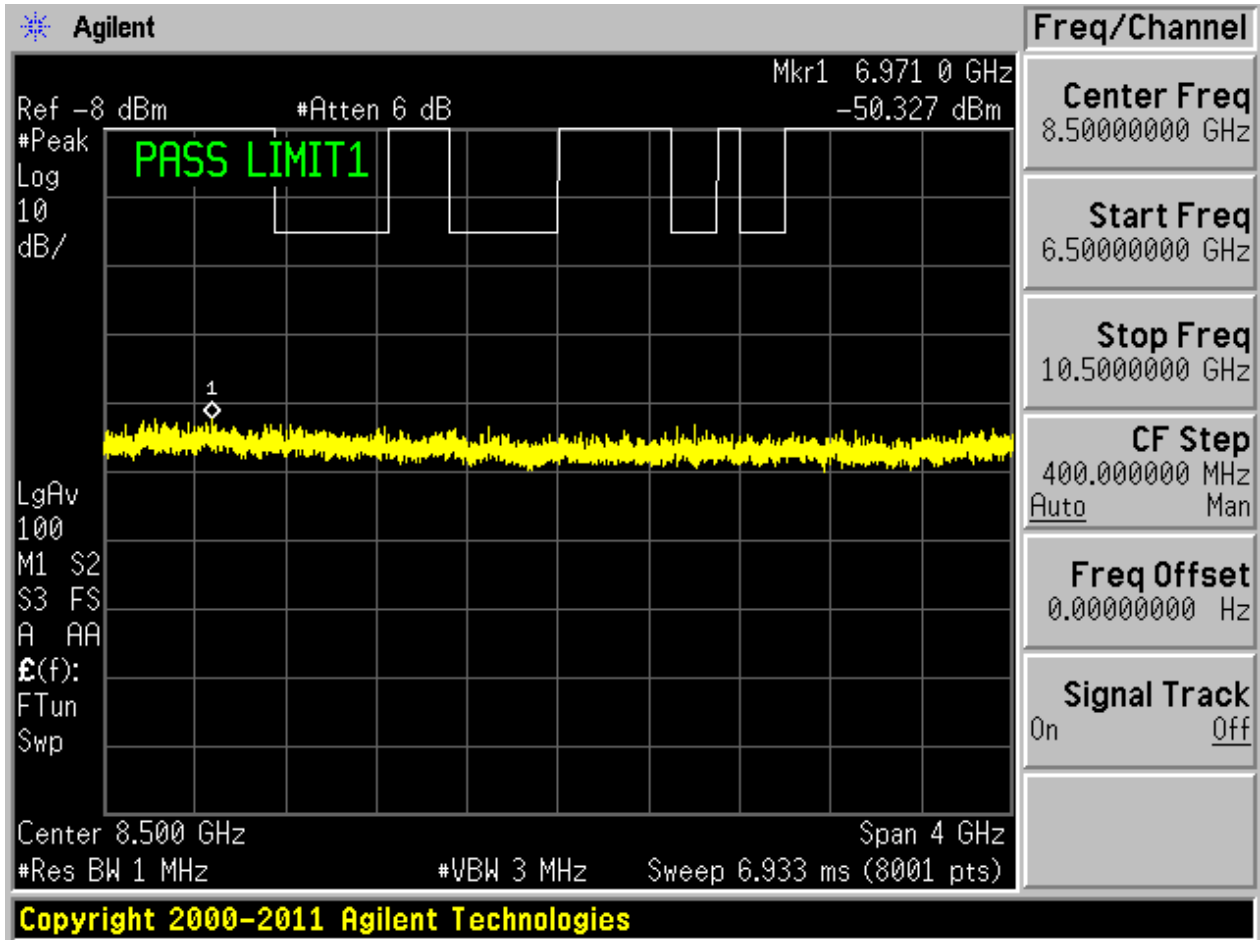
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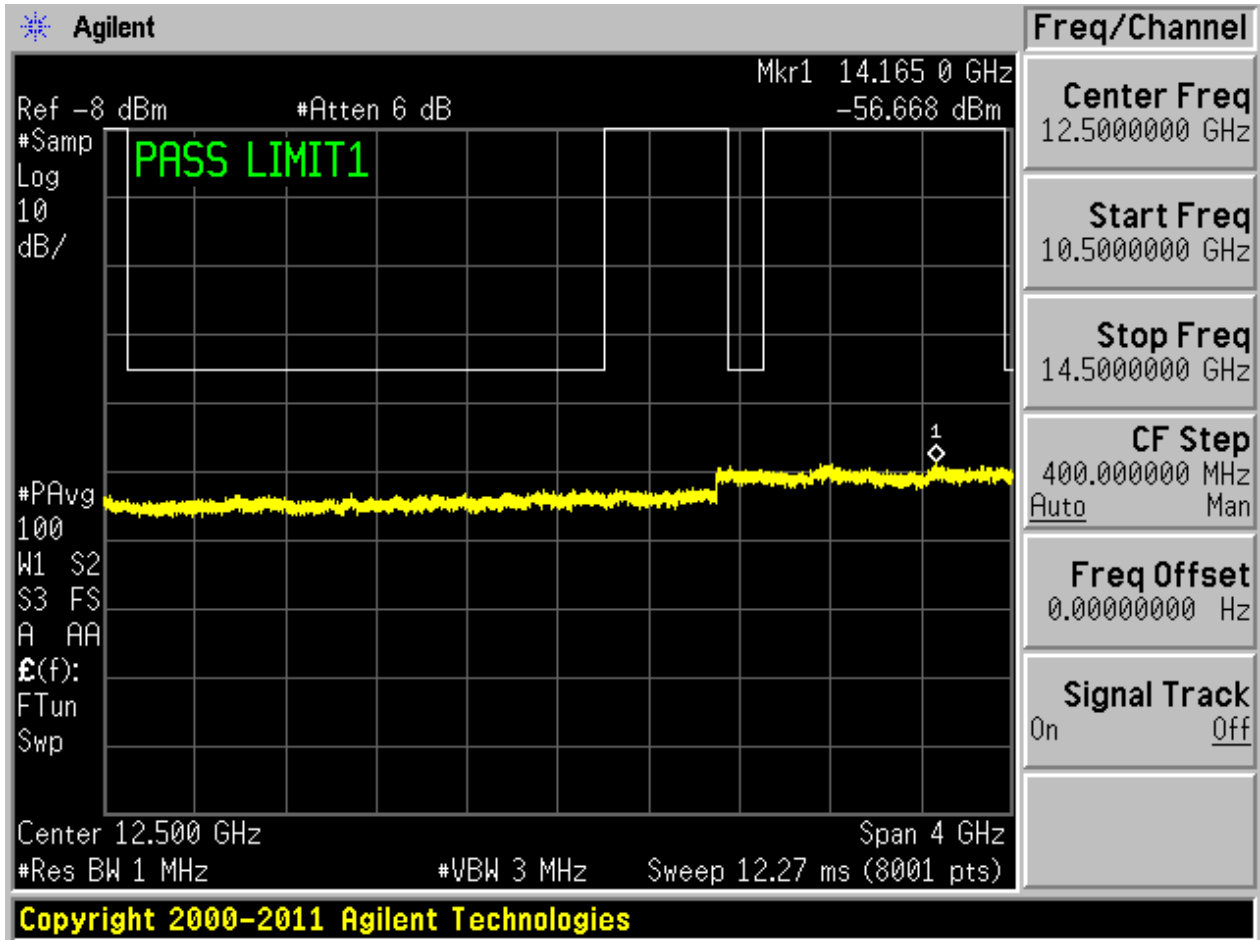


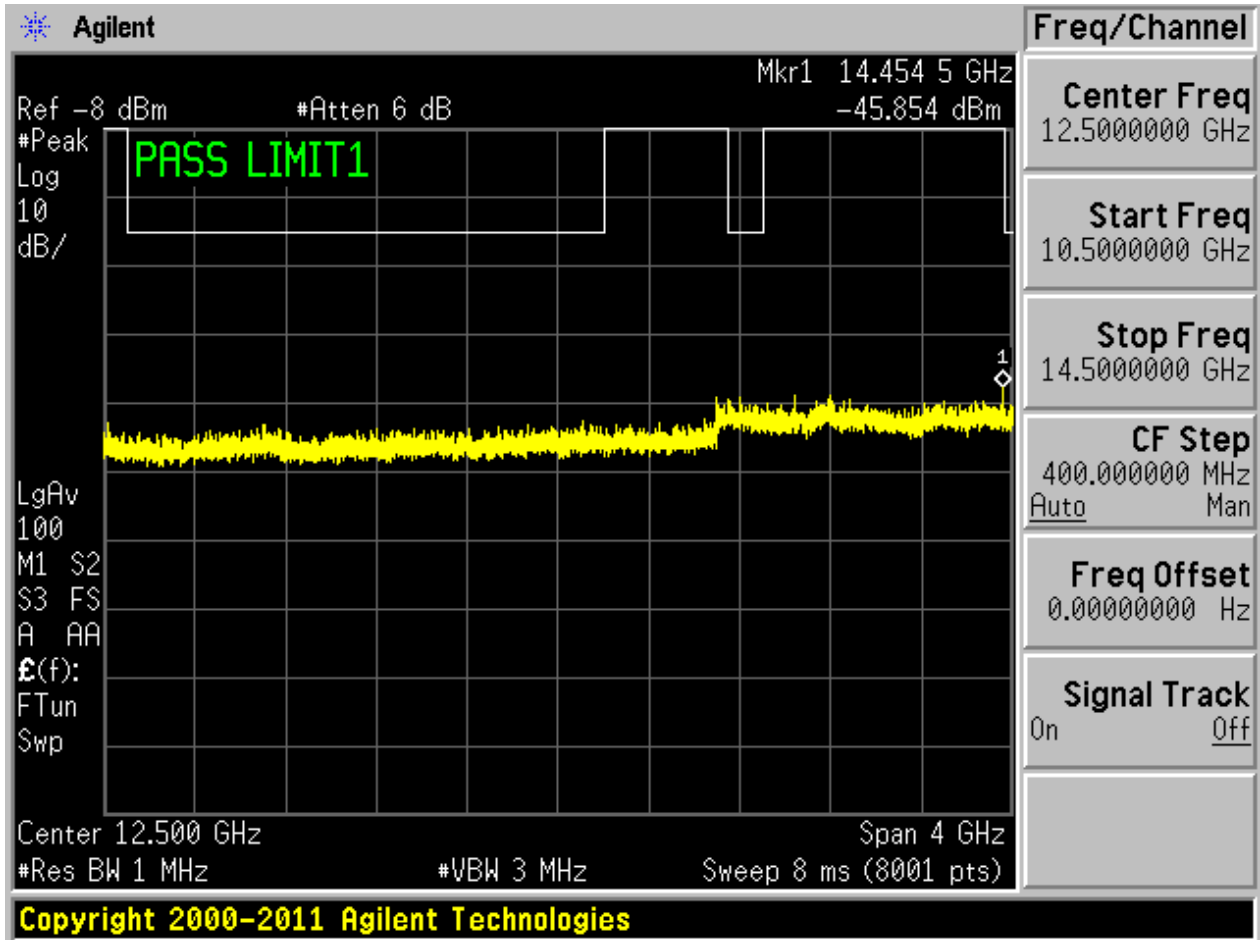


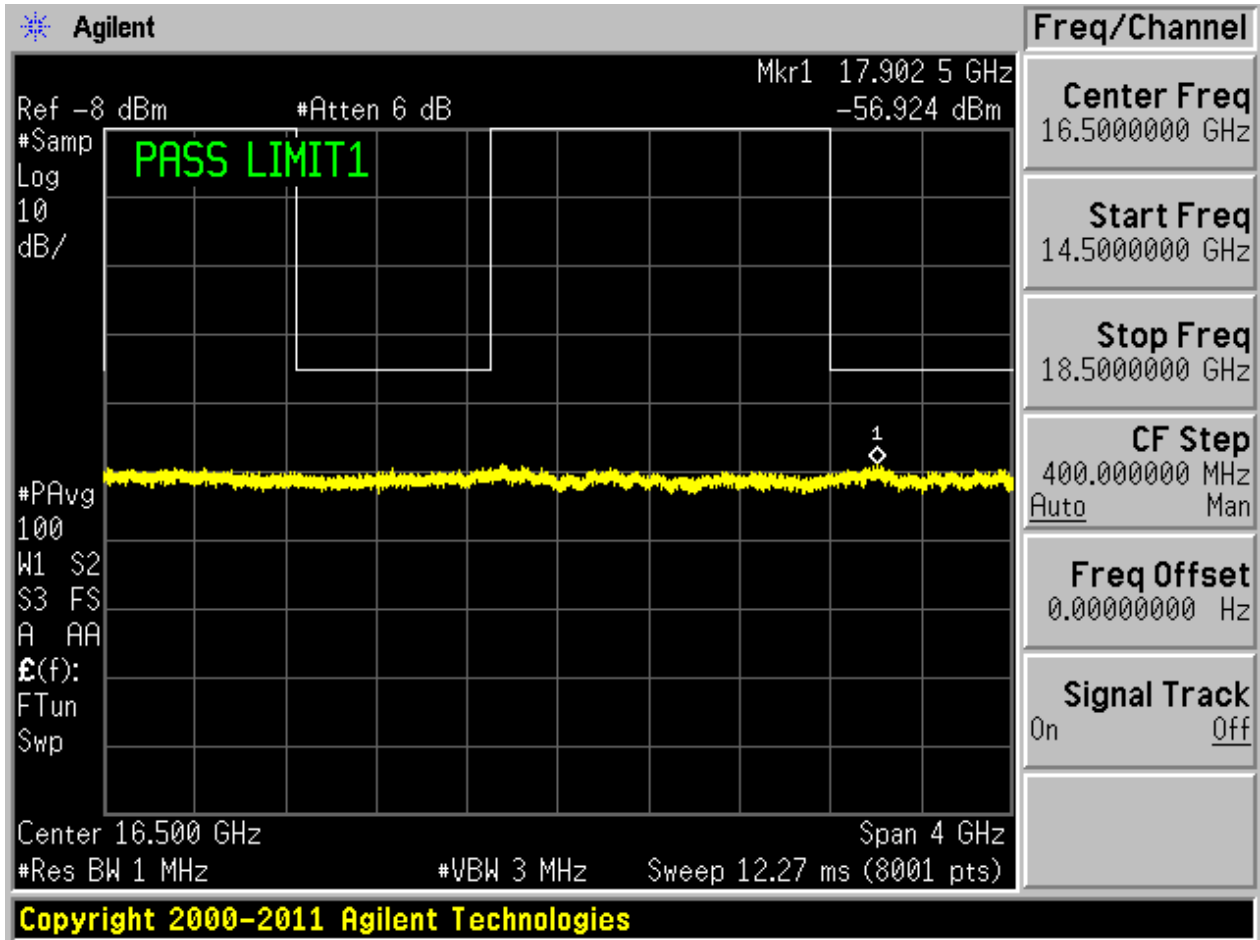


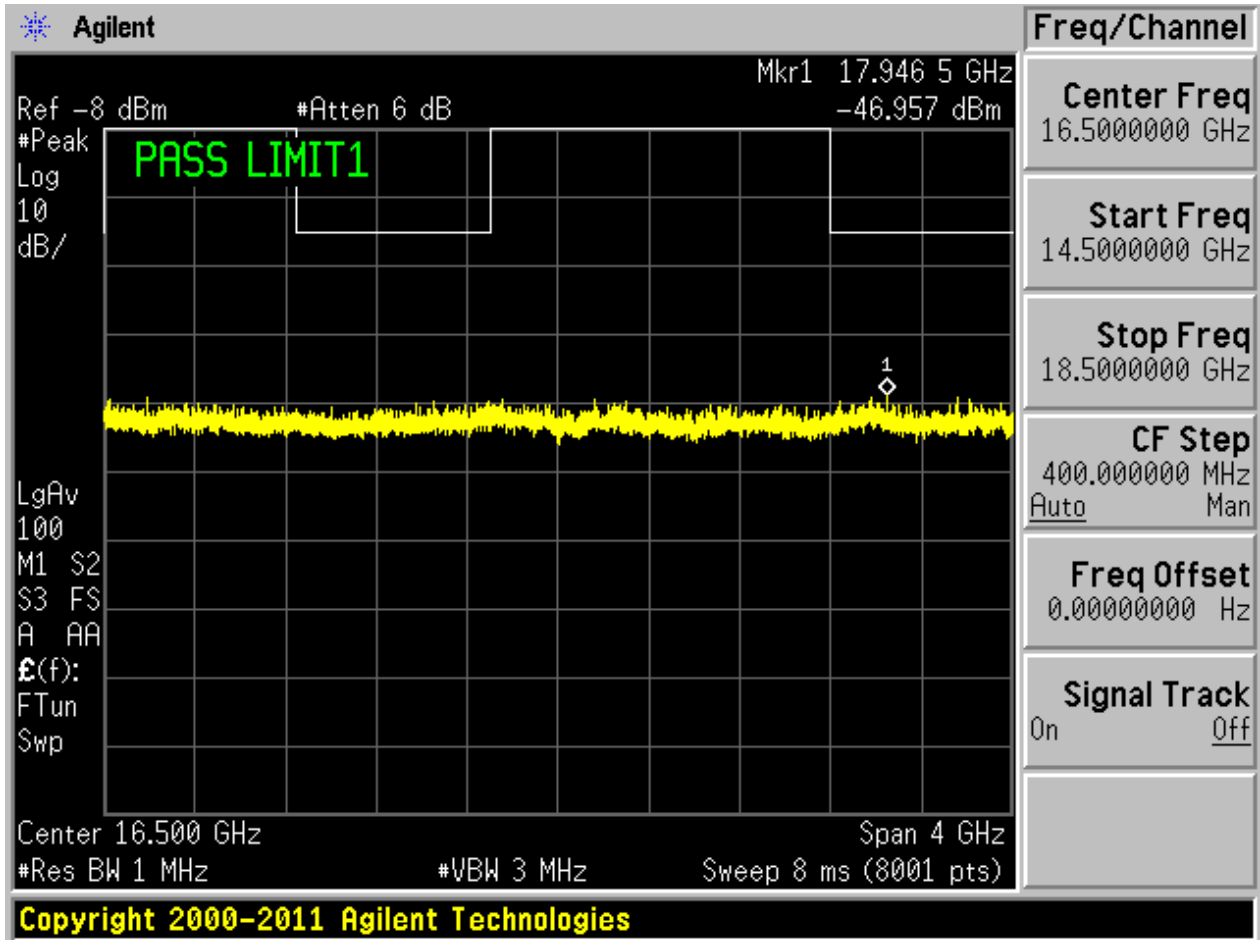


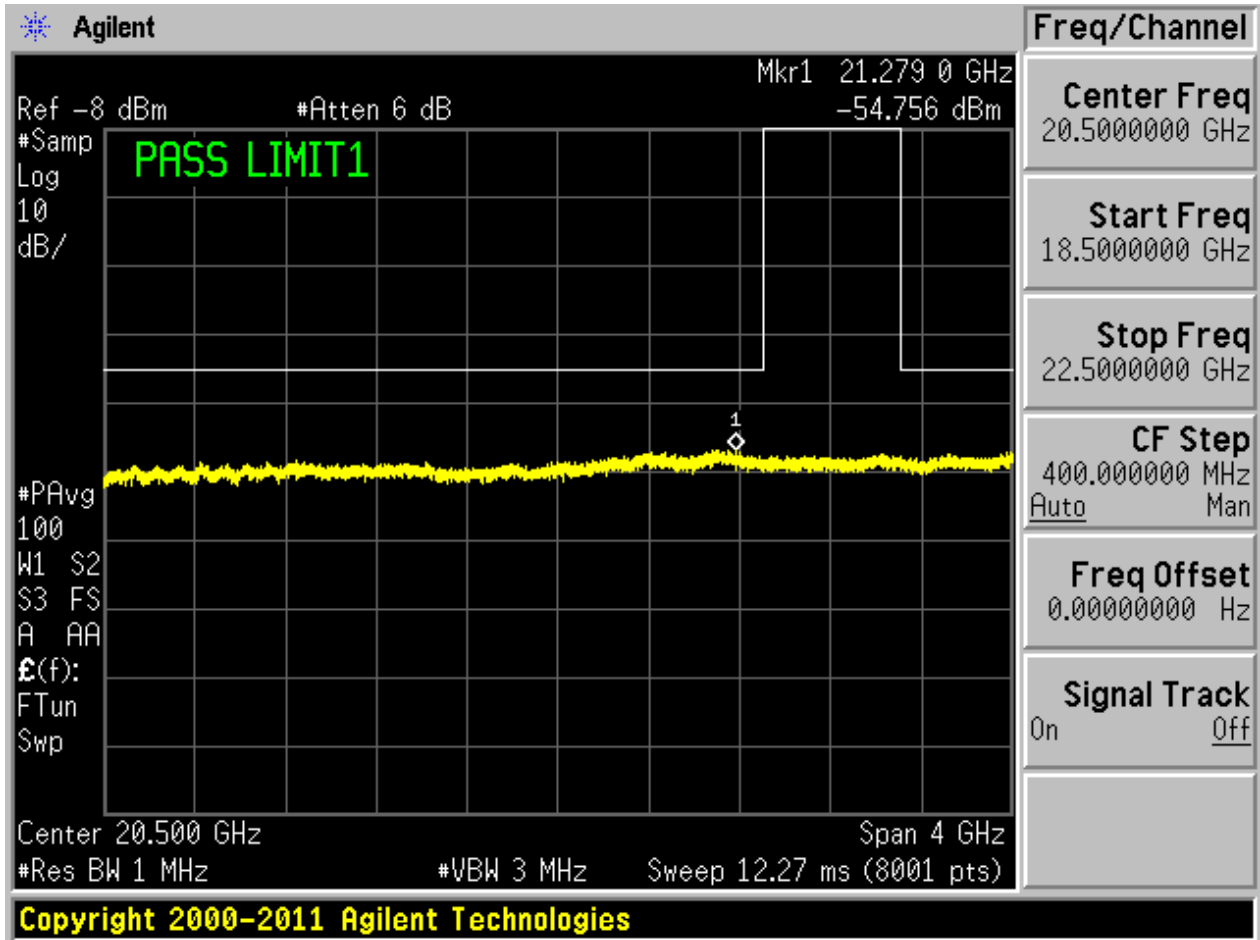


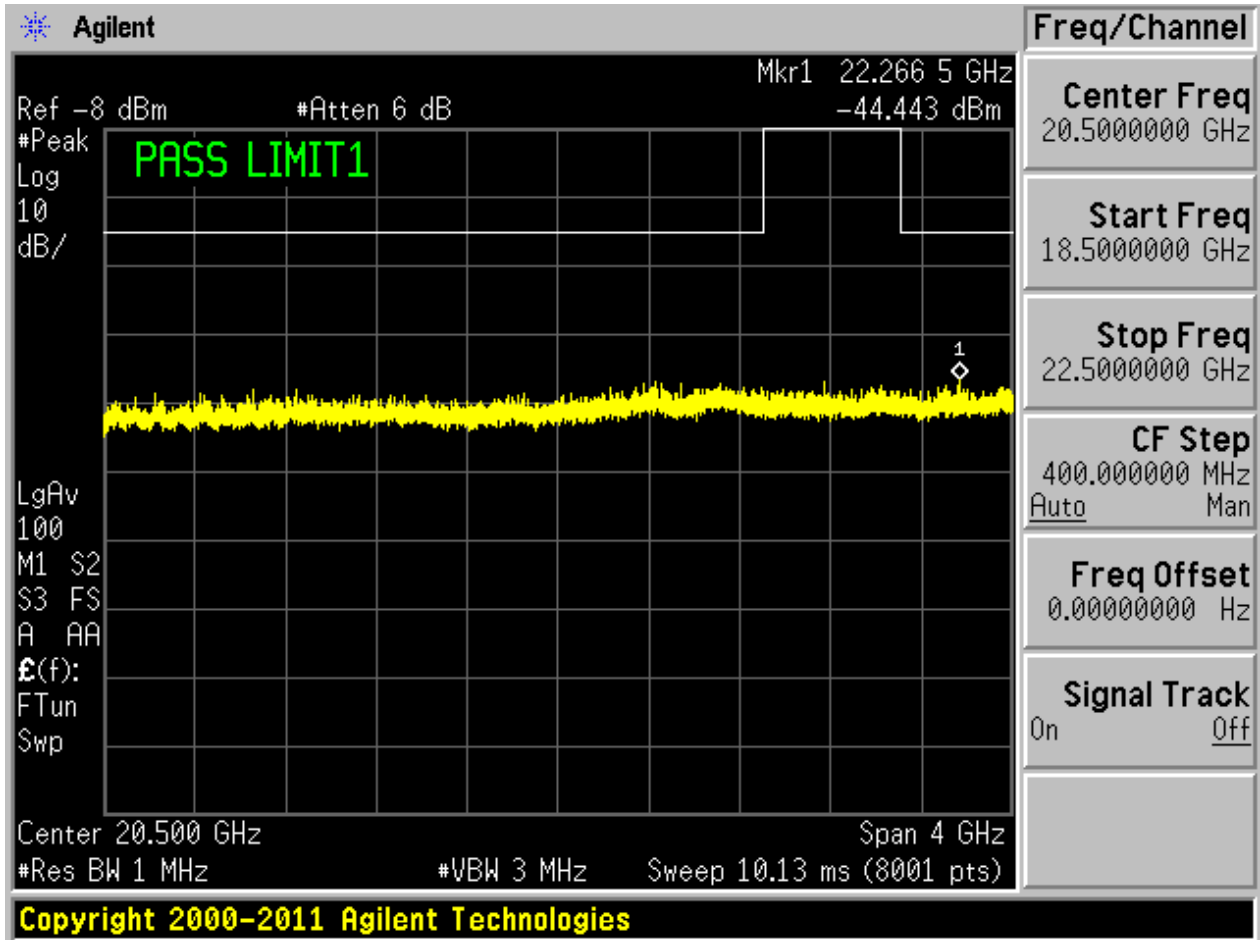


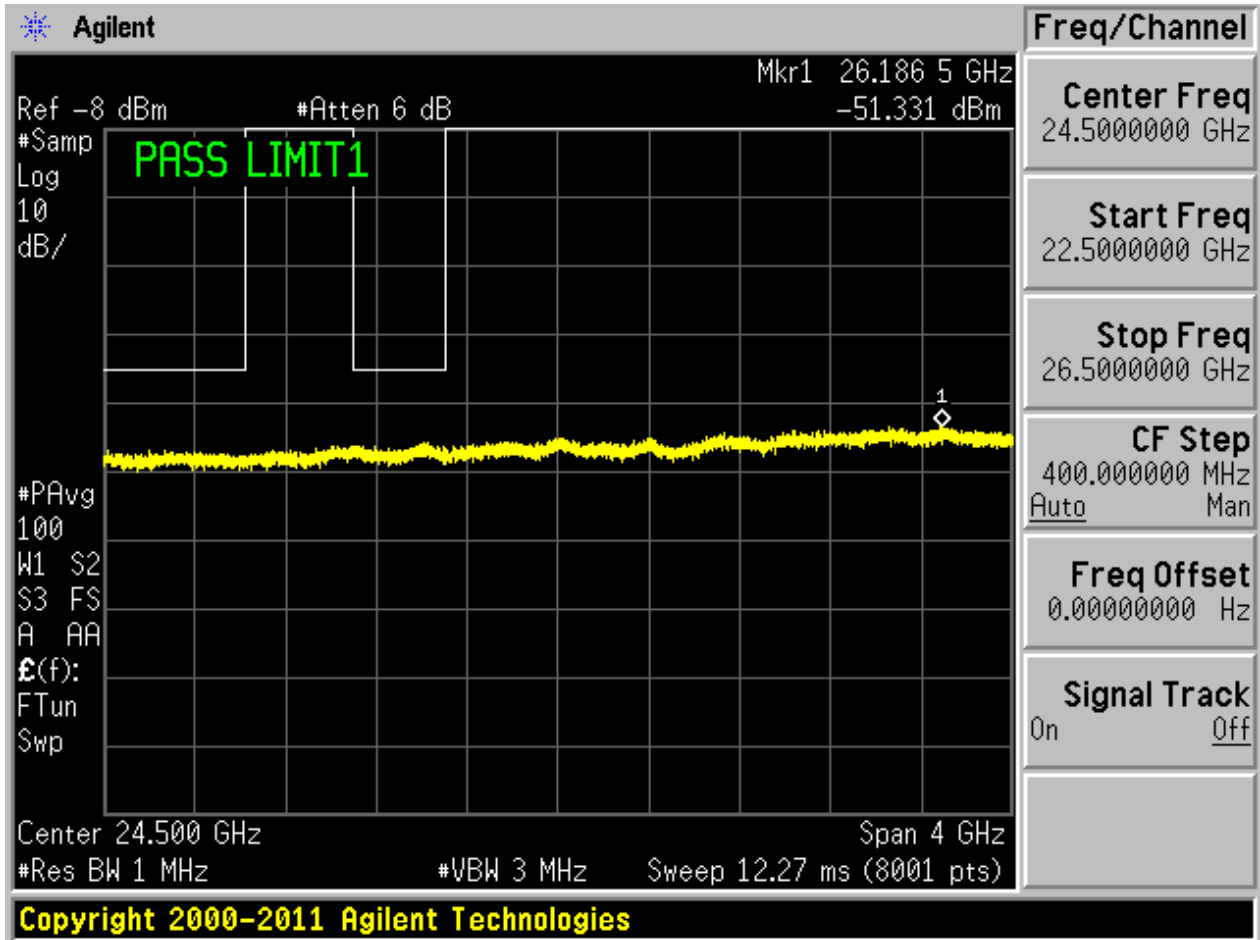


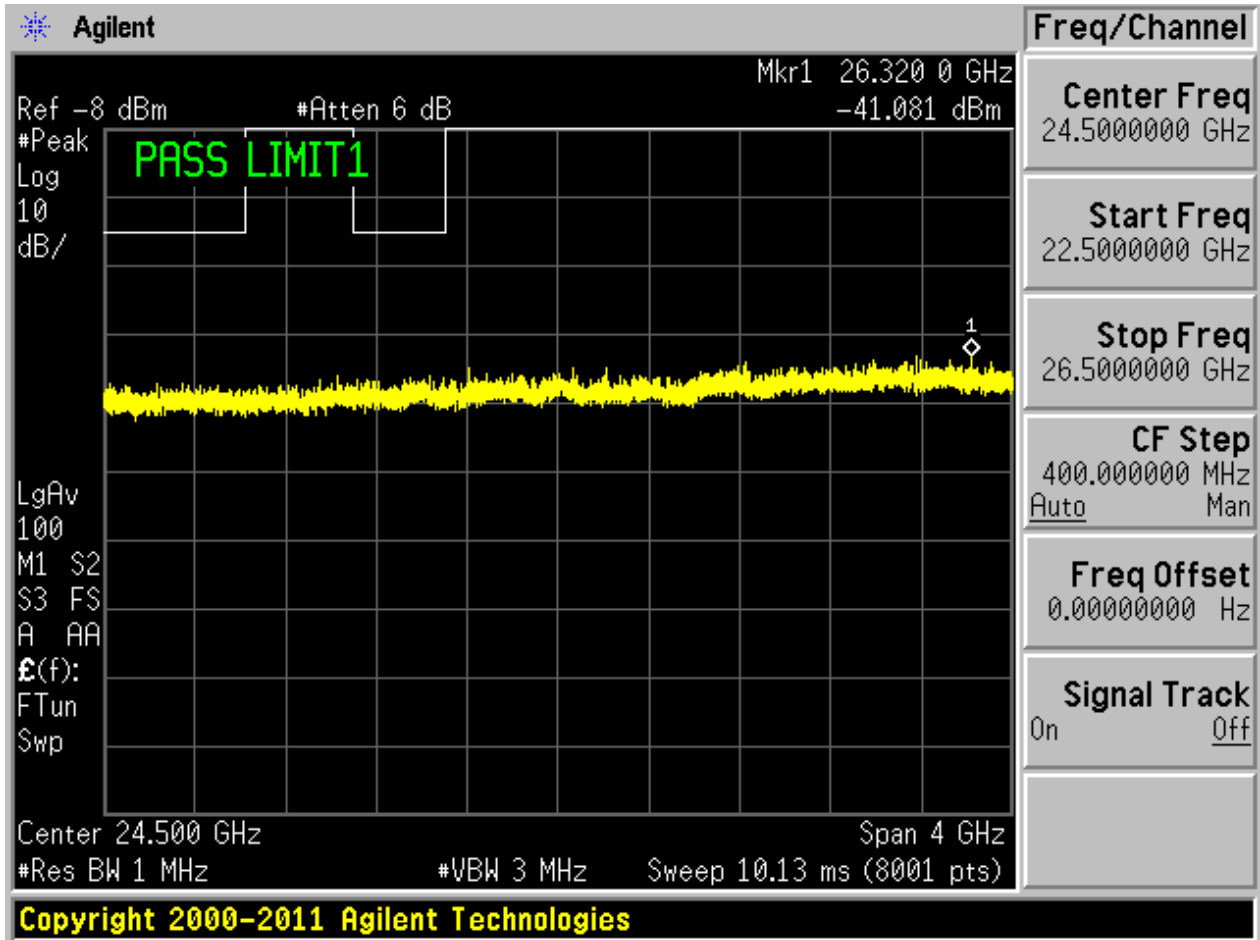


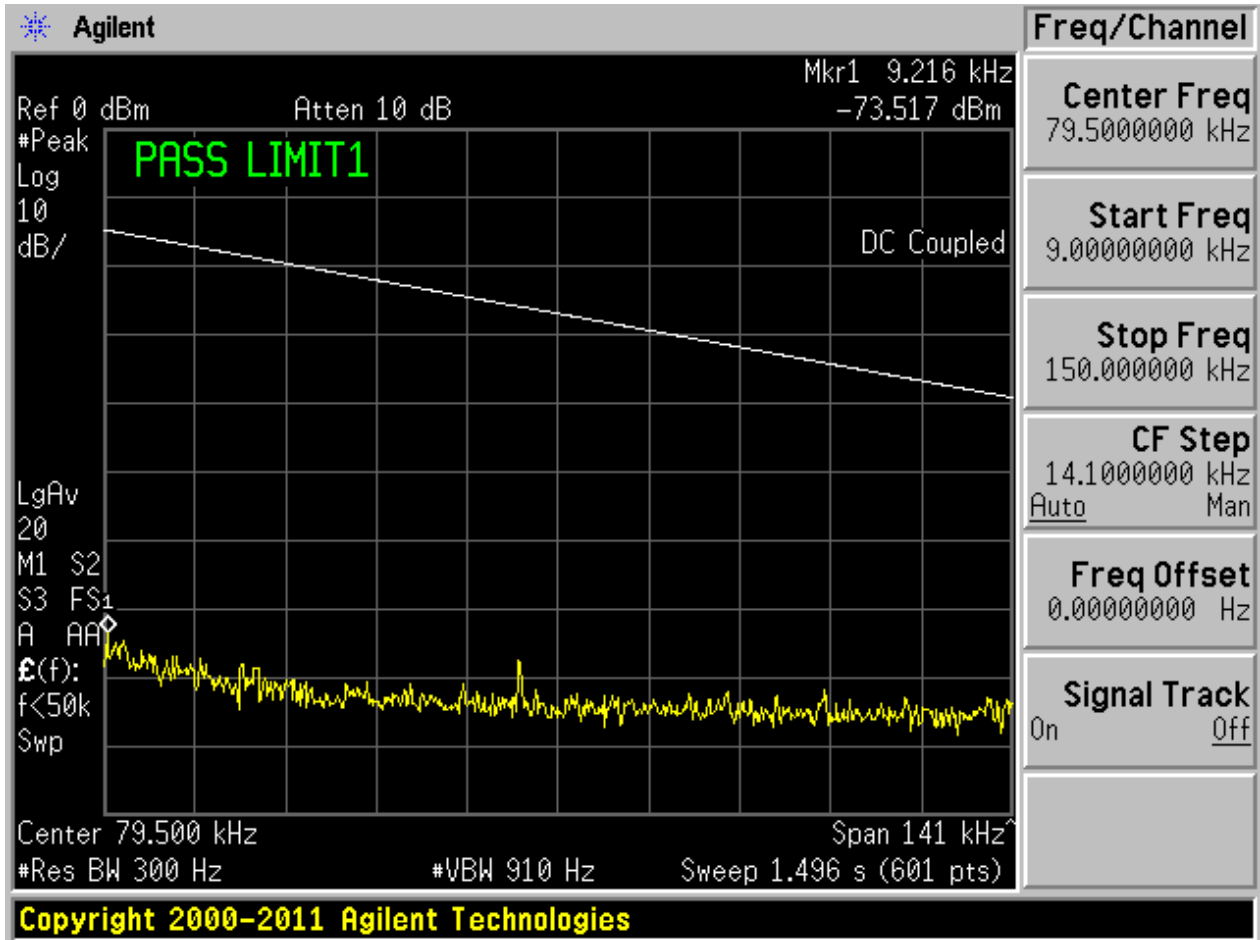


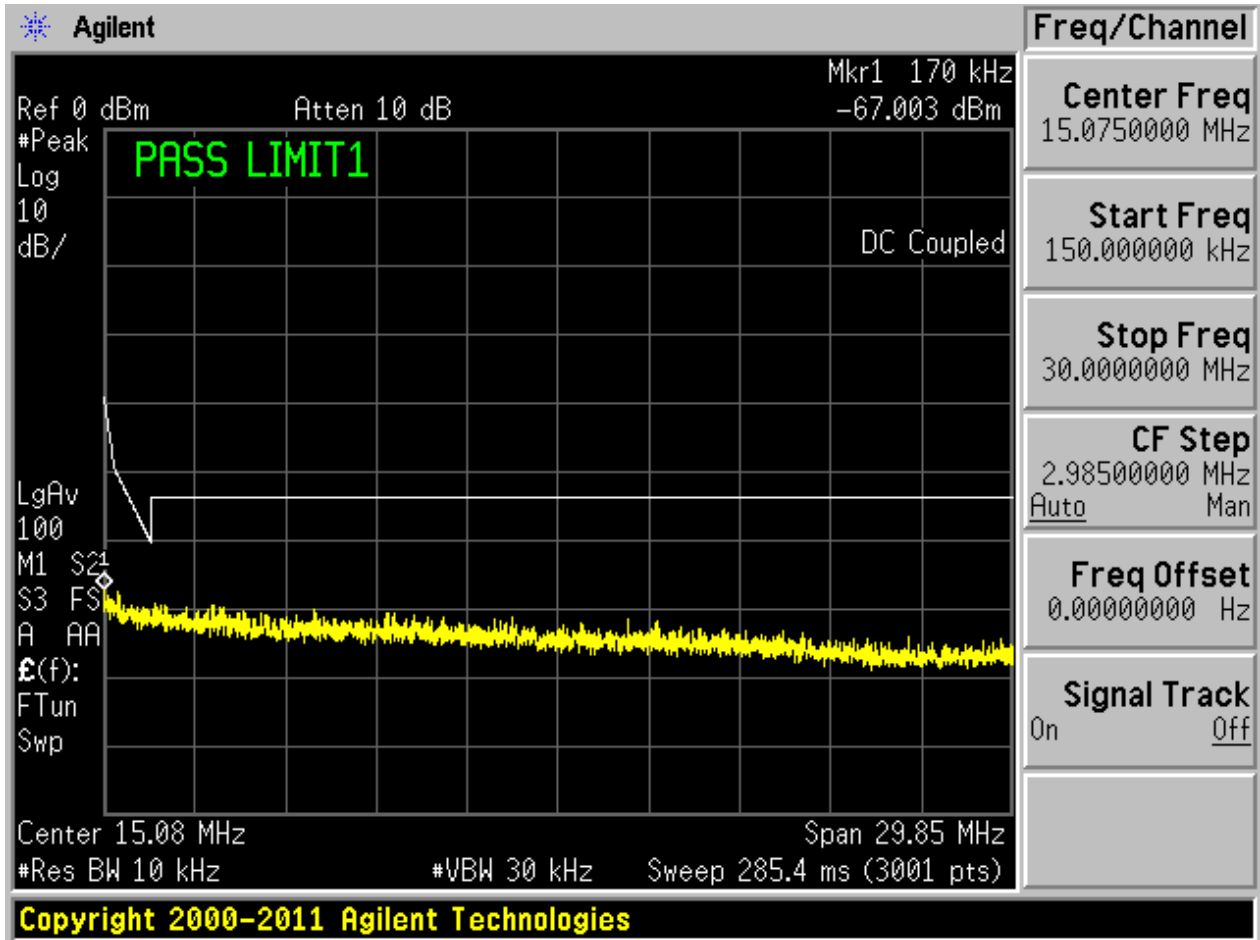


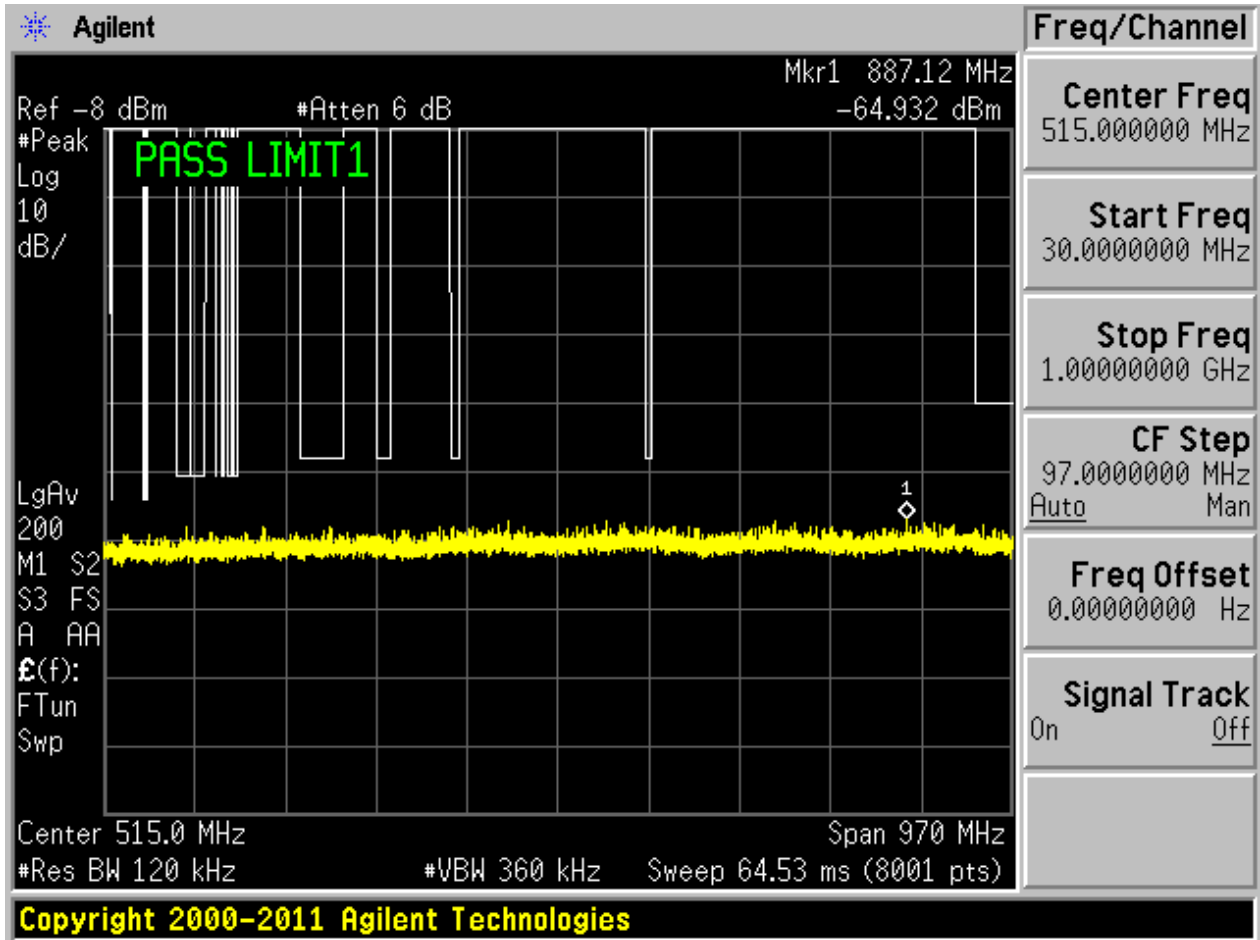




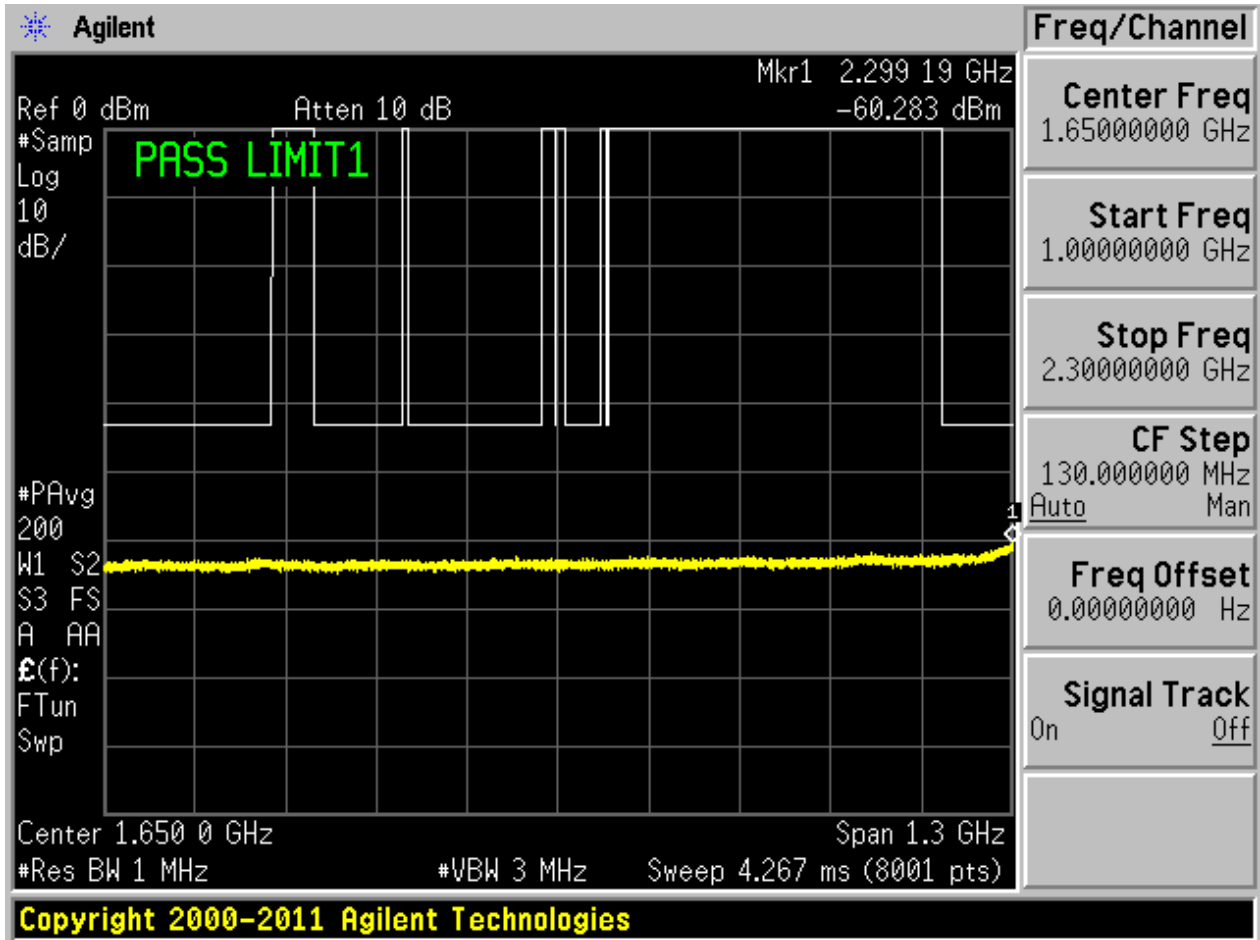


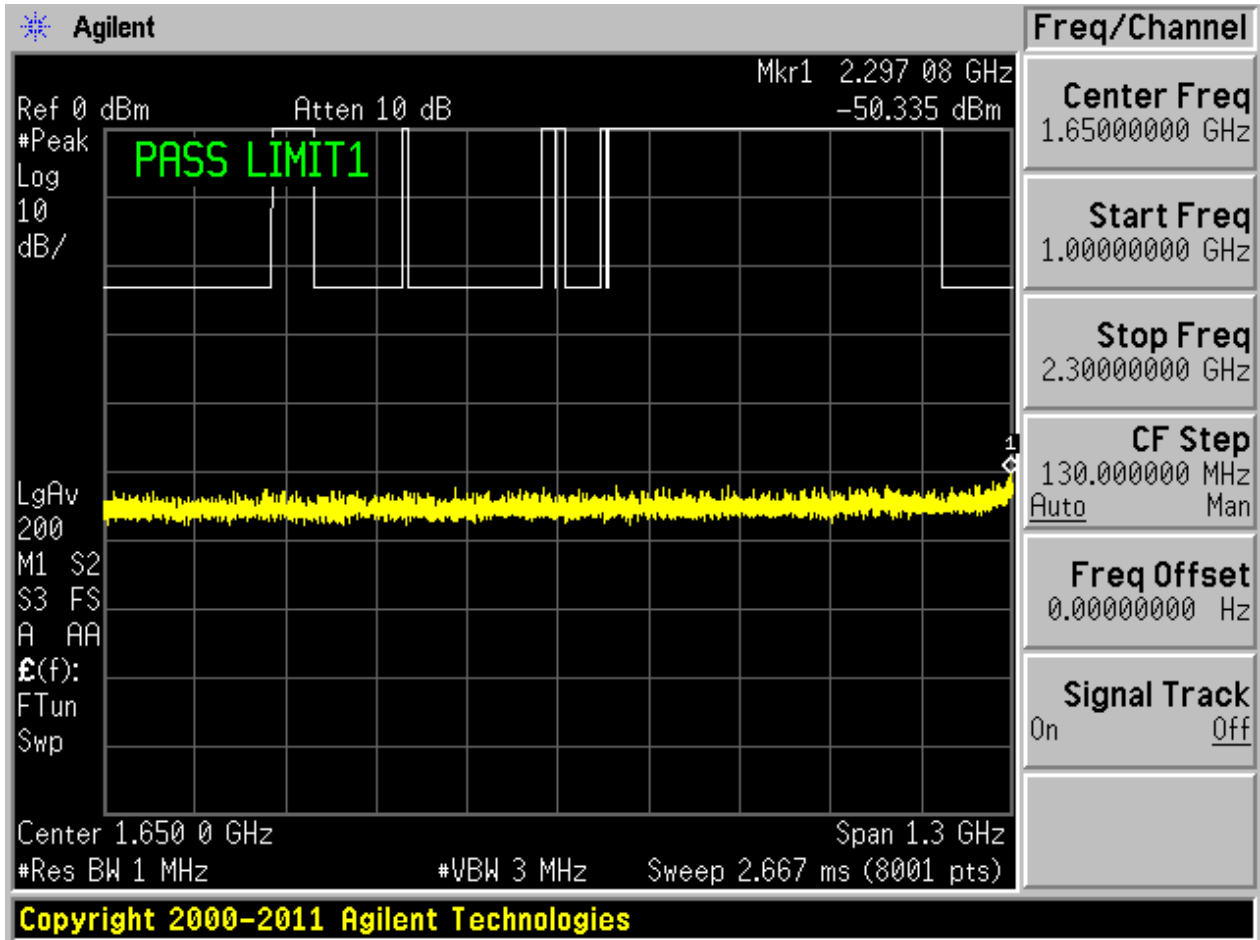


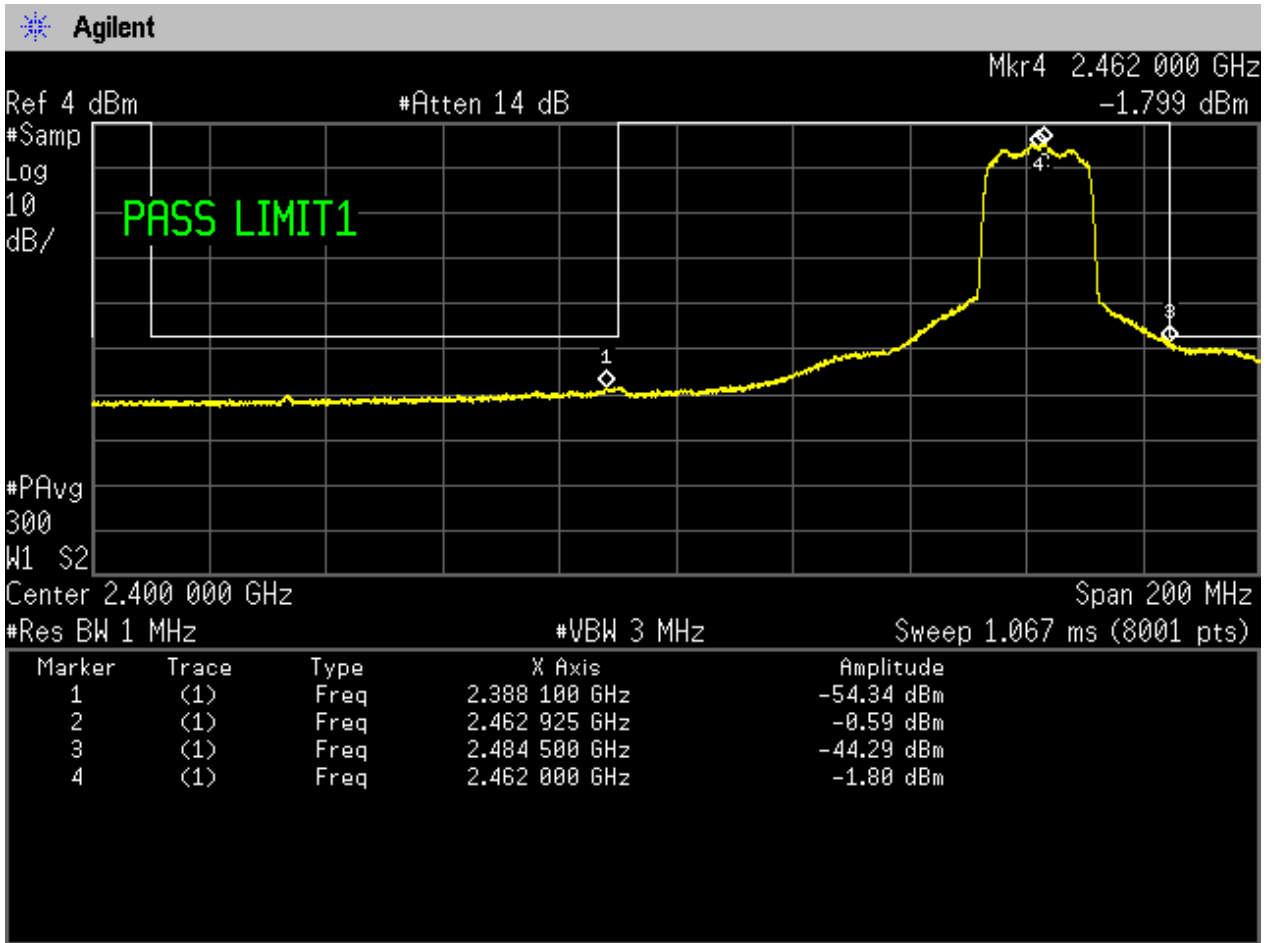


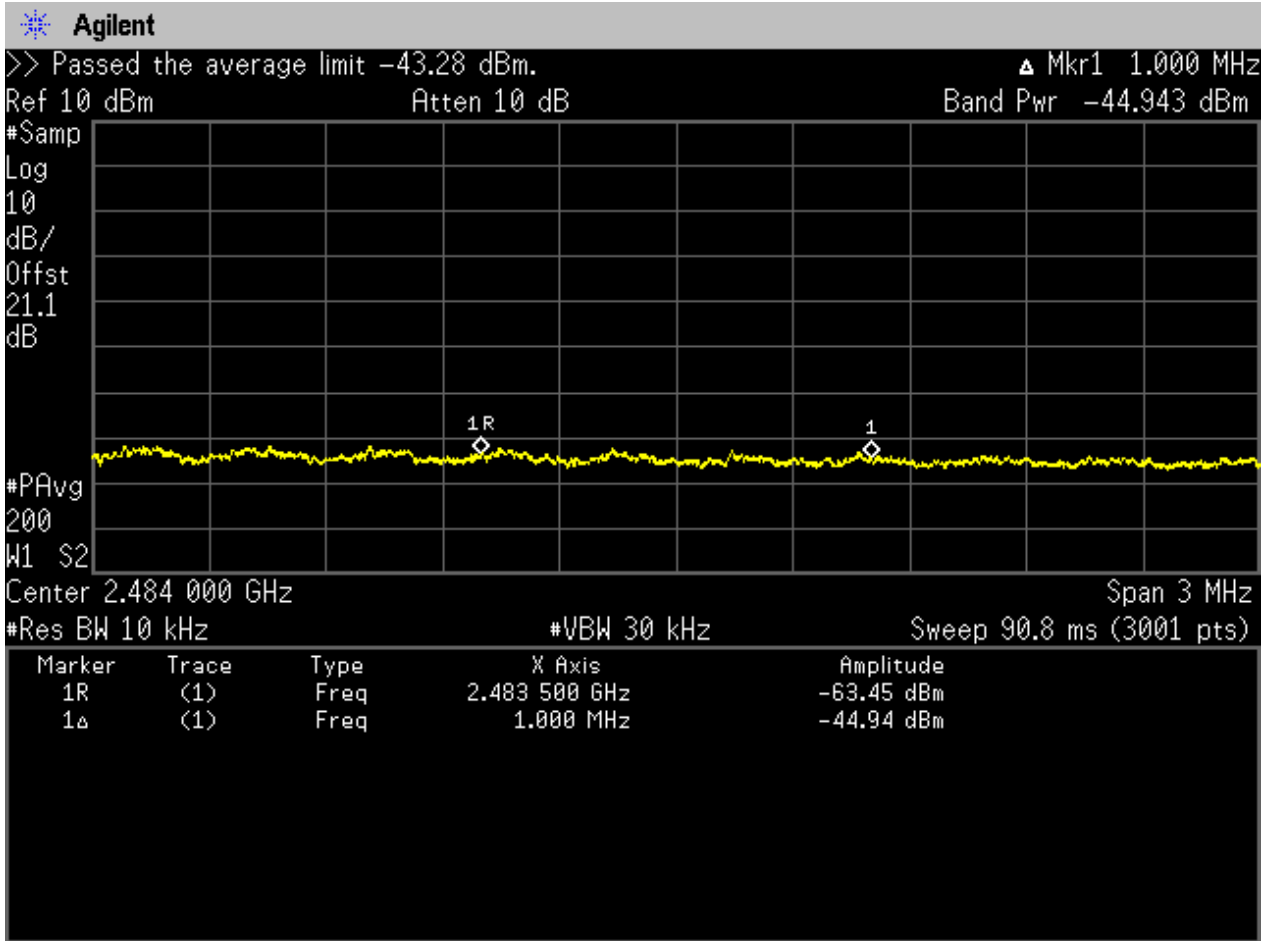


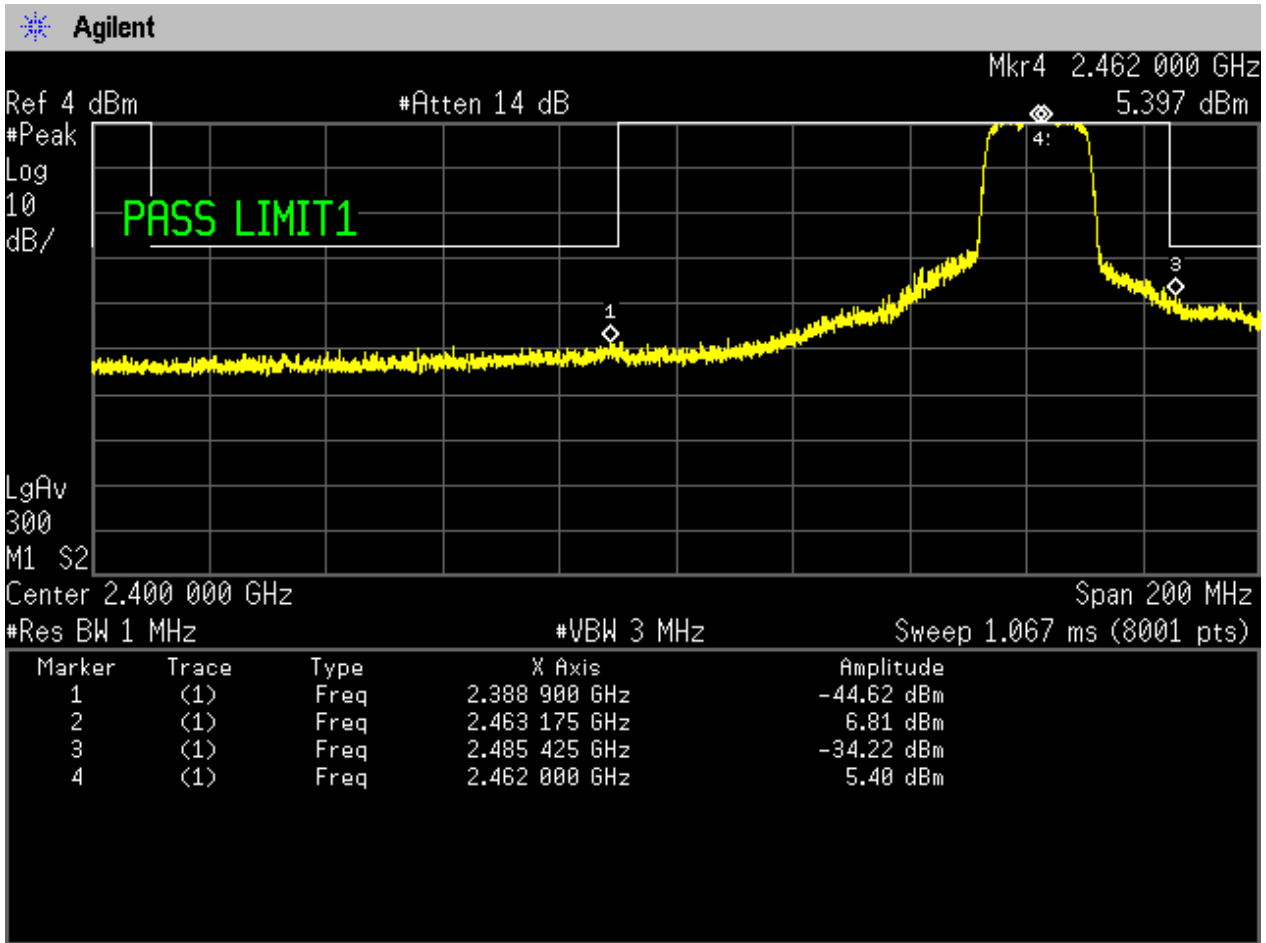
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