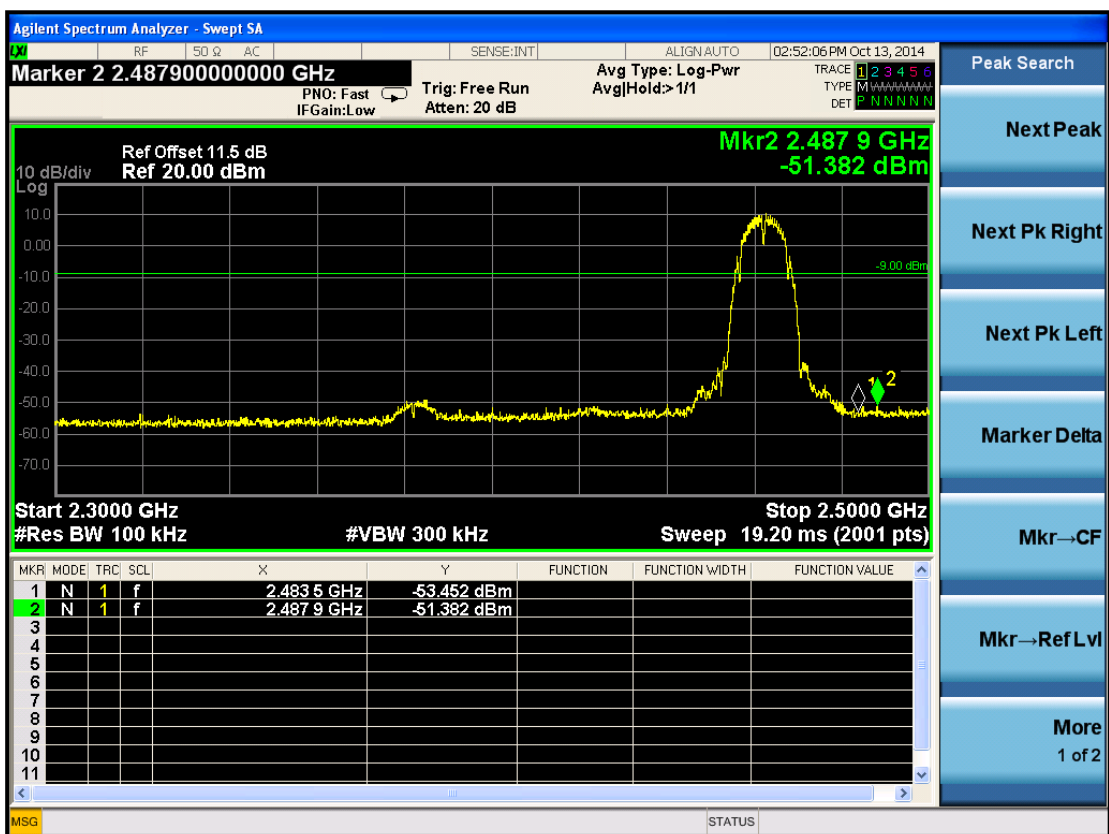
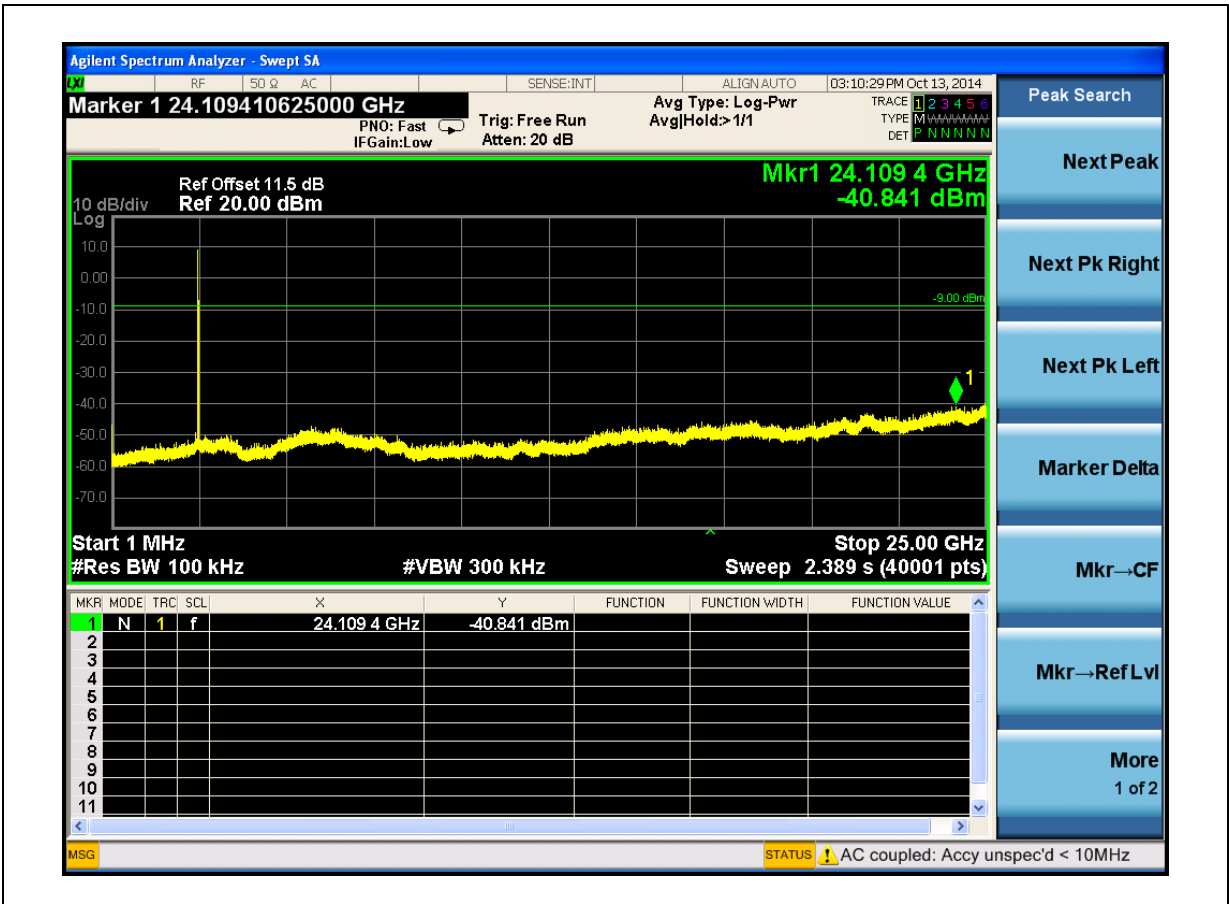
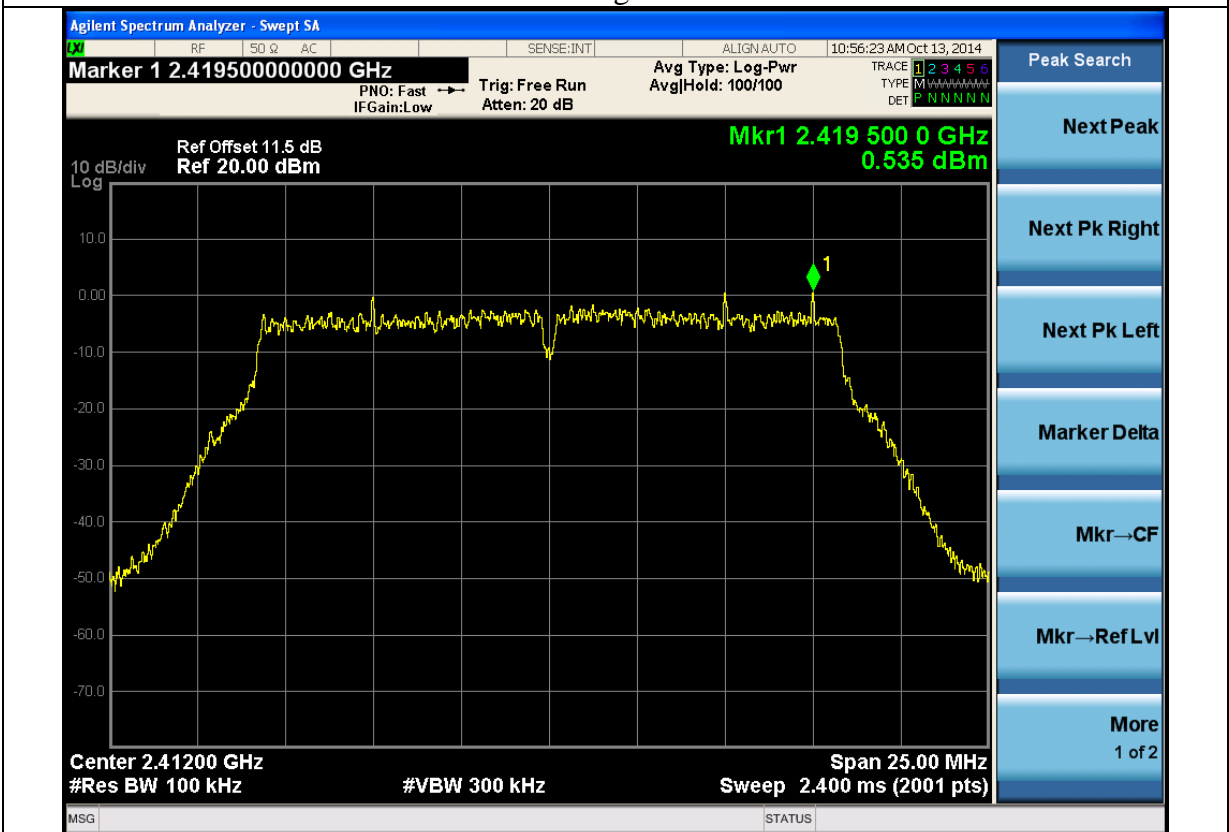


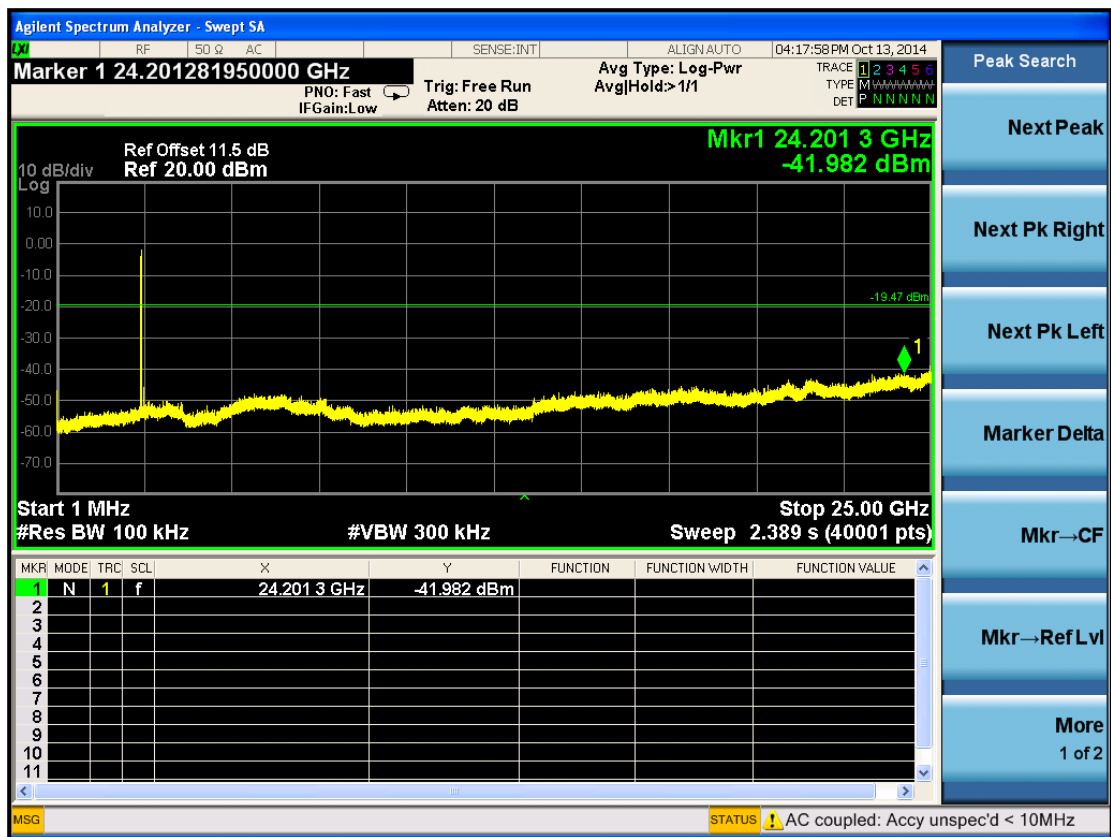
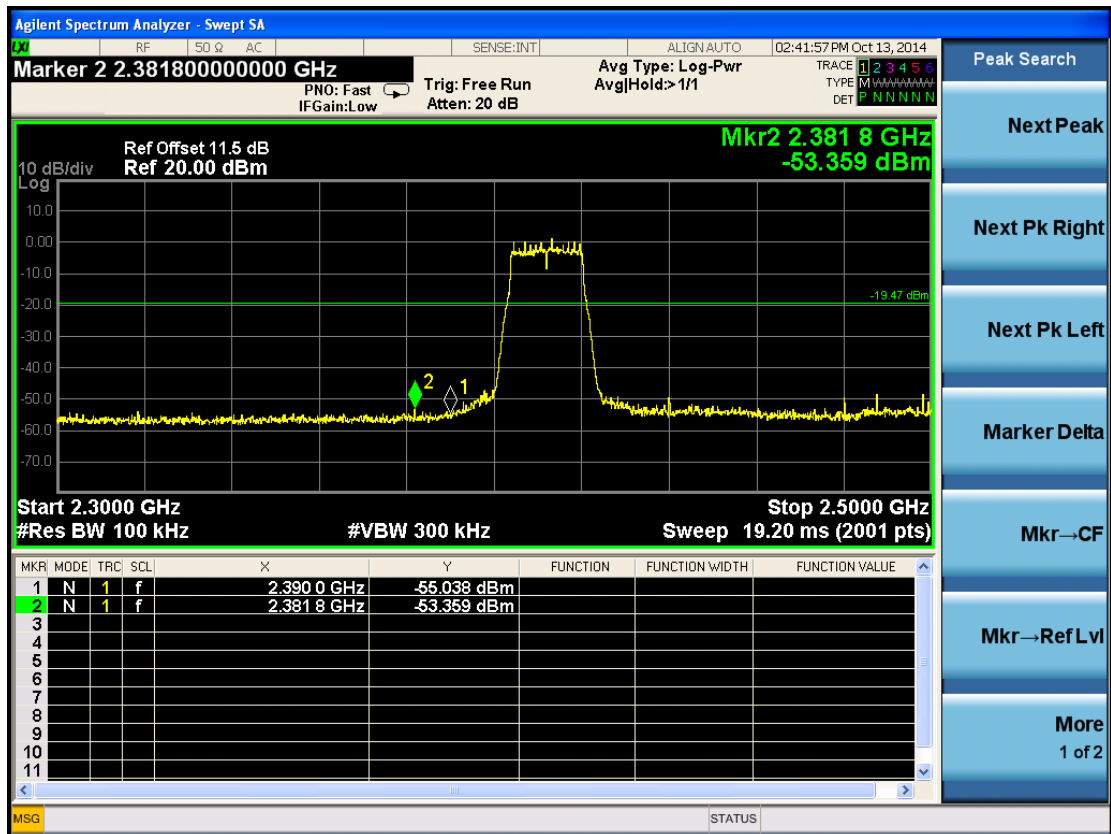
802.11b-2462



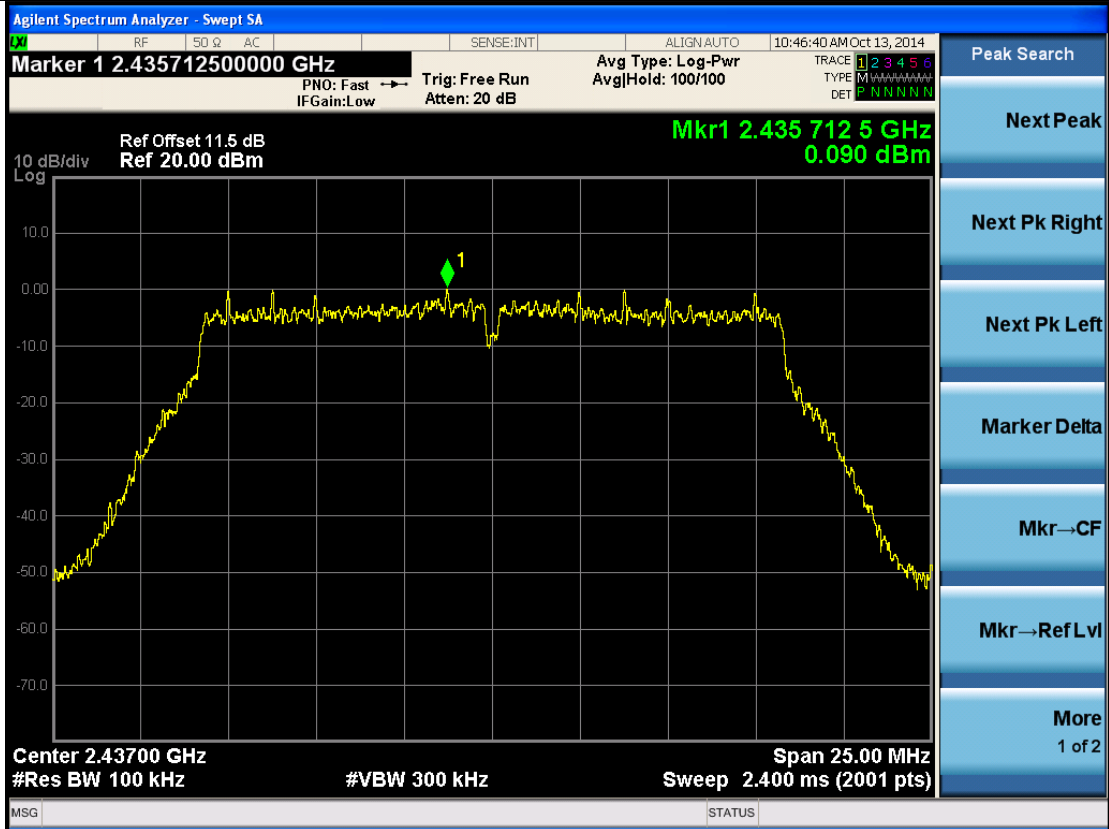


802.11g-2412

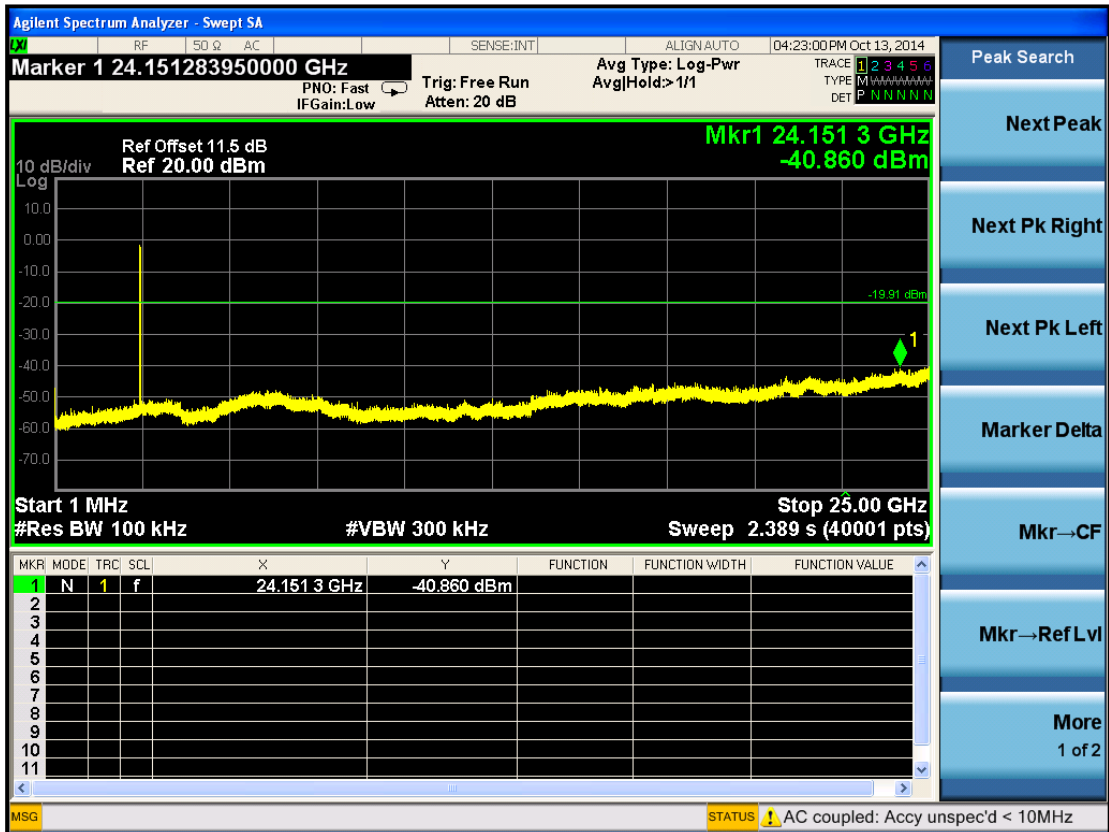




802.11g-2437

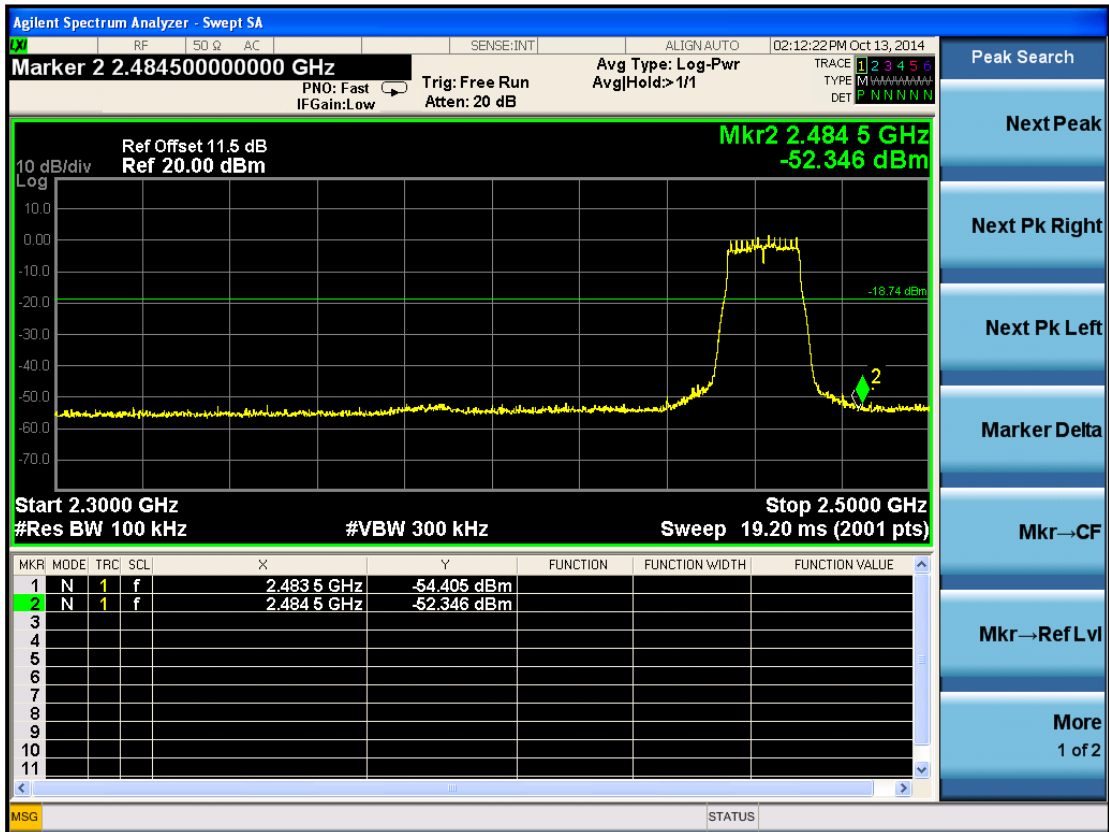
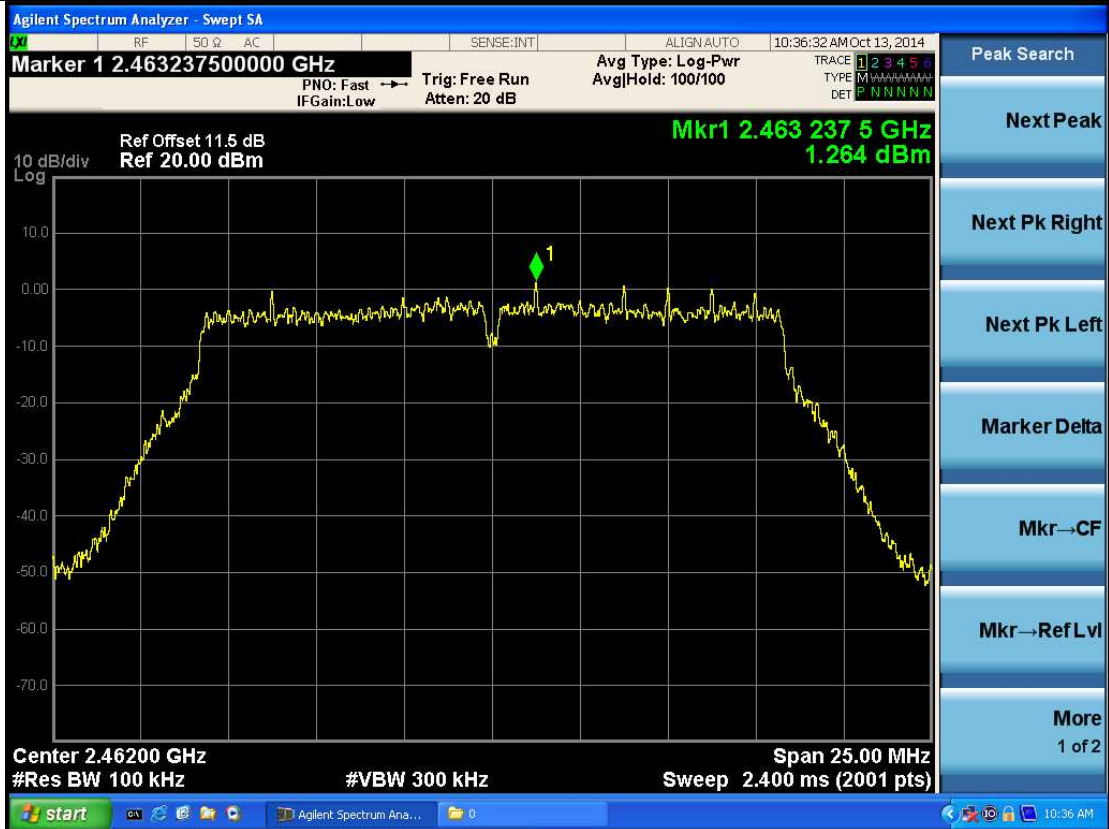


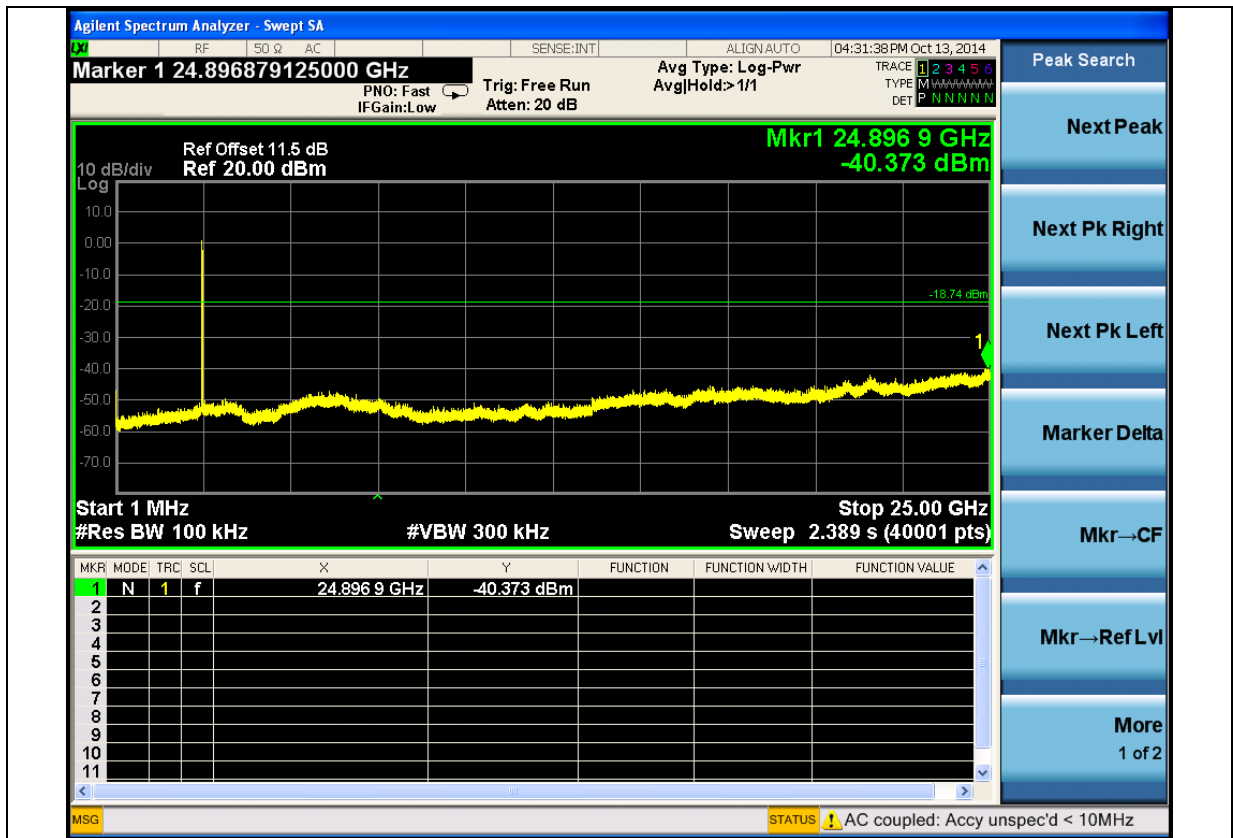
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2



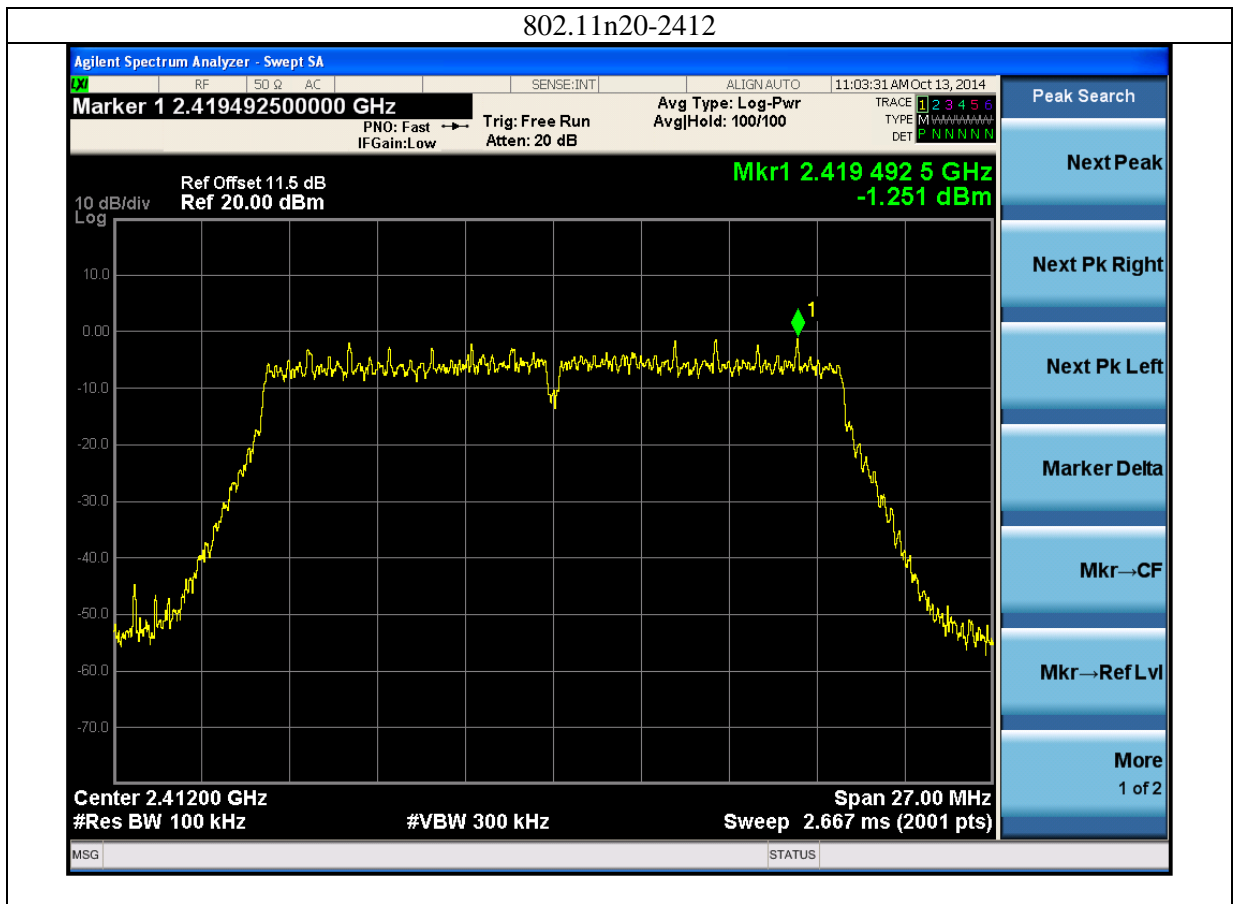
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2

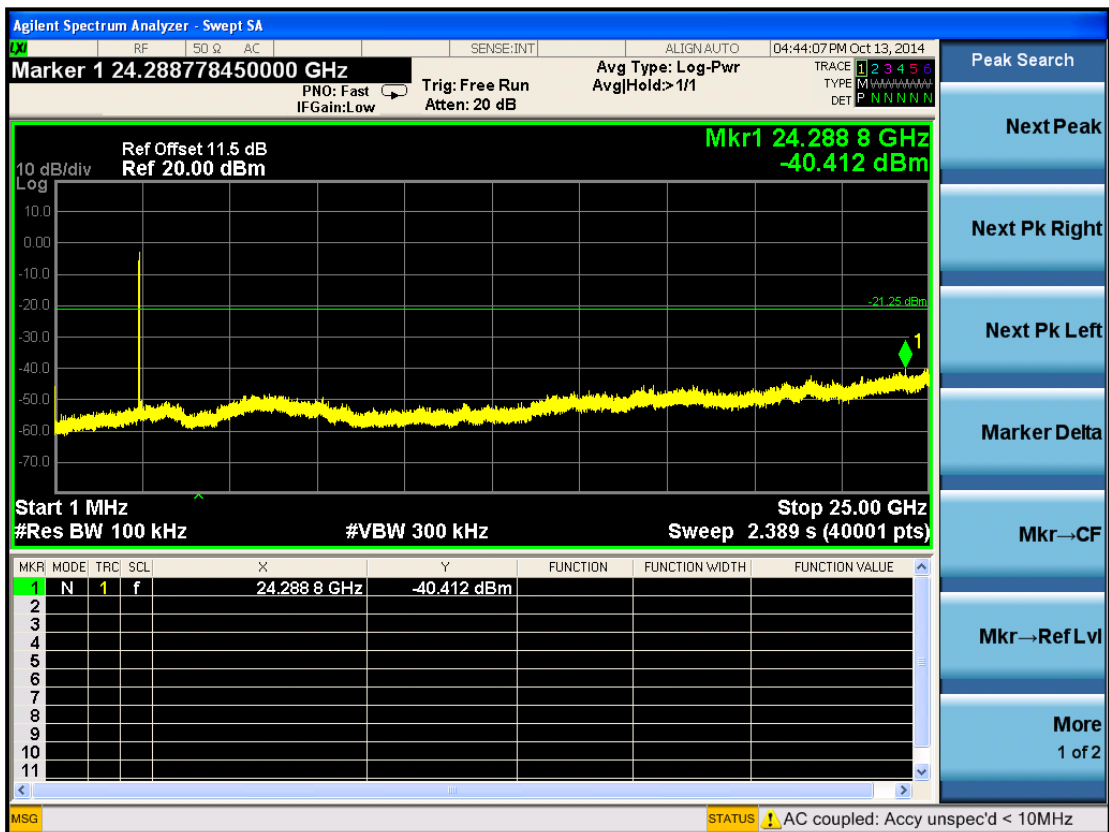
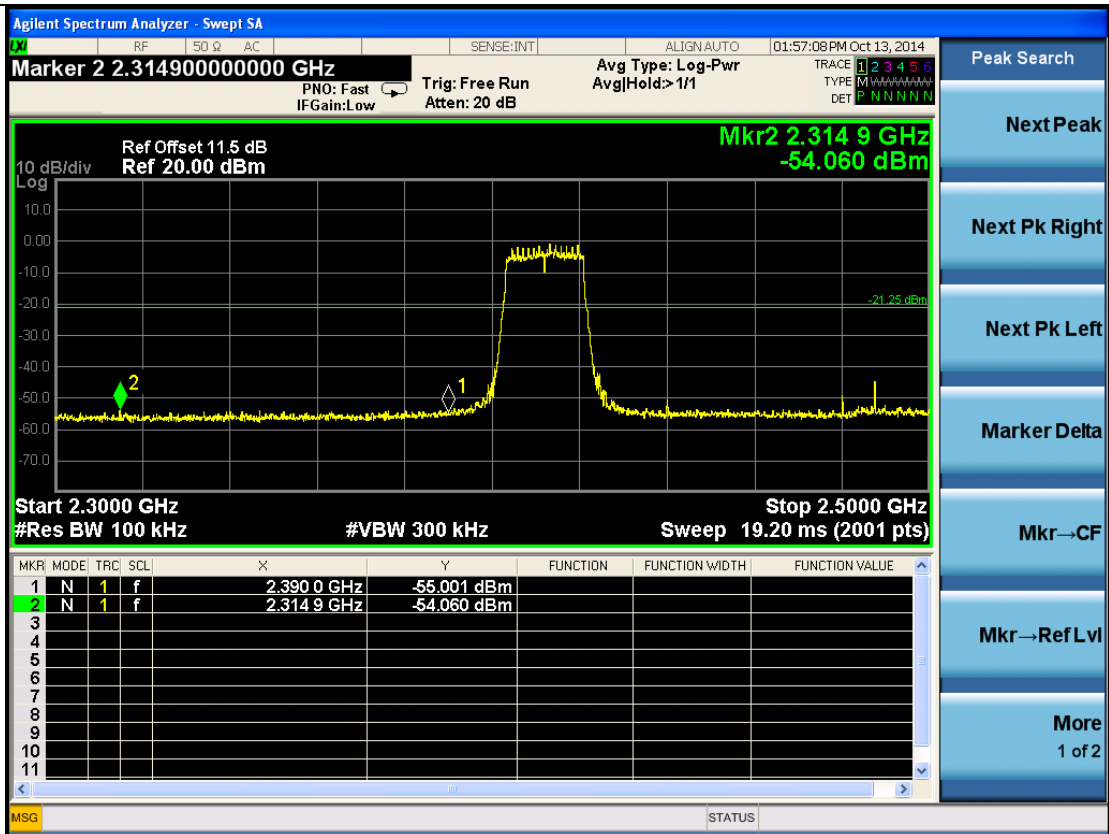
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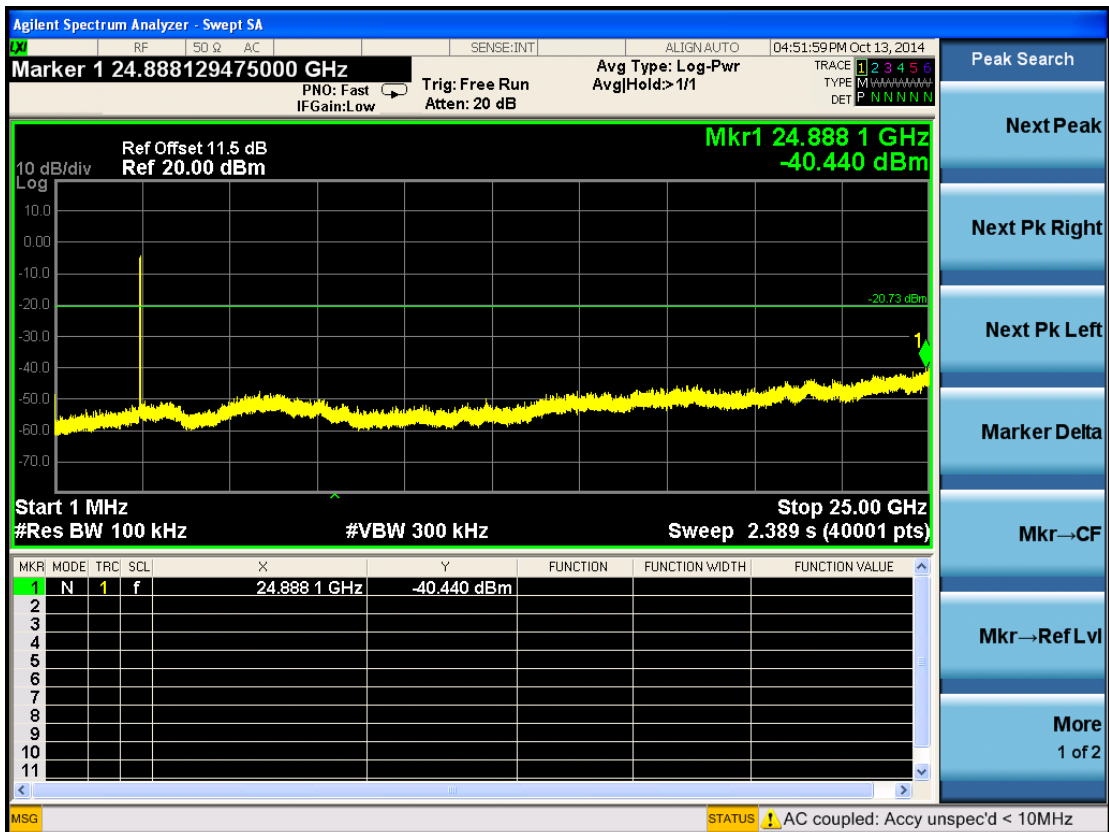
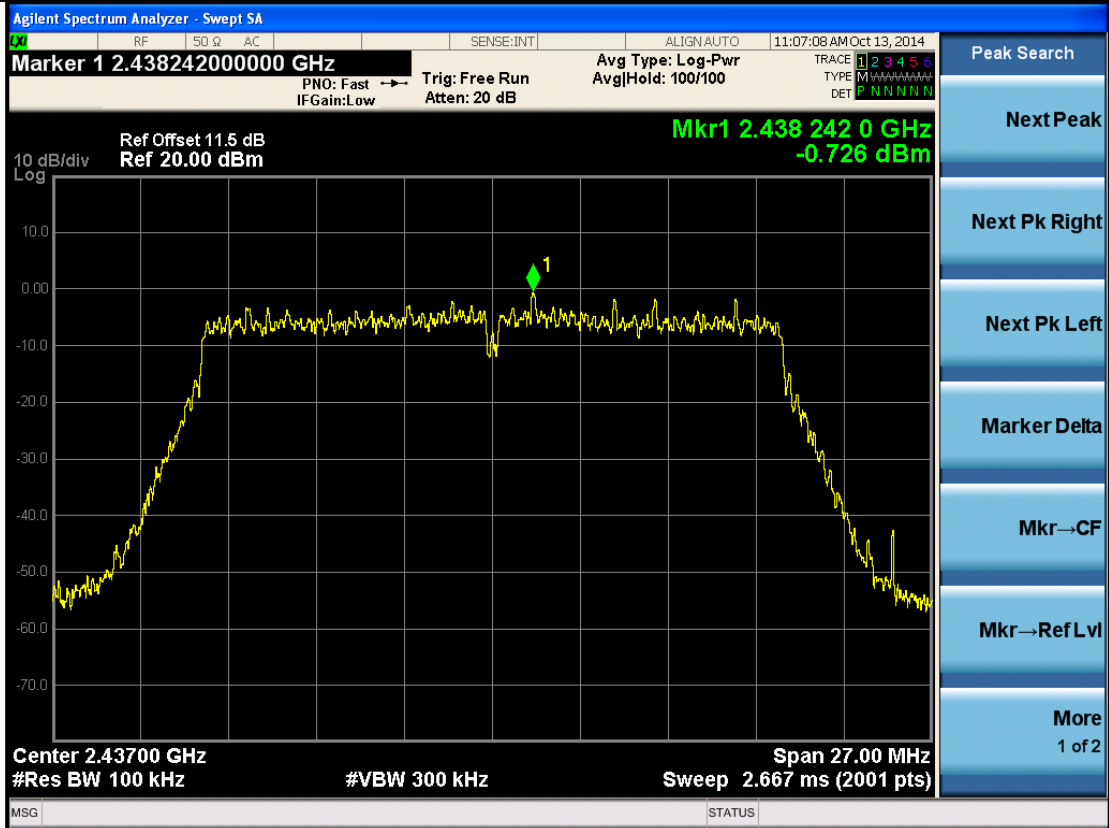


802.11n20-2412

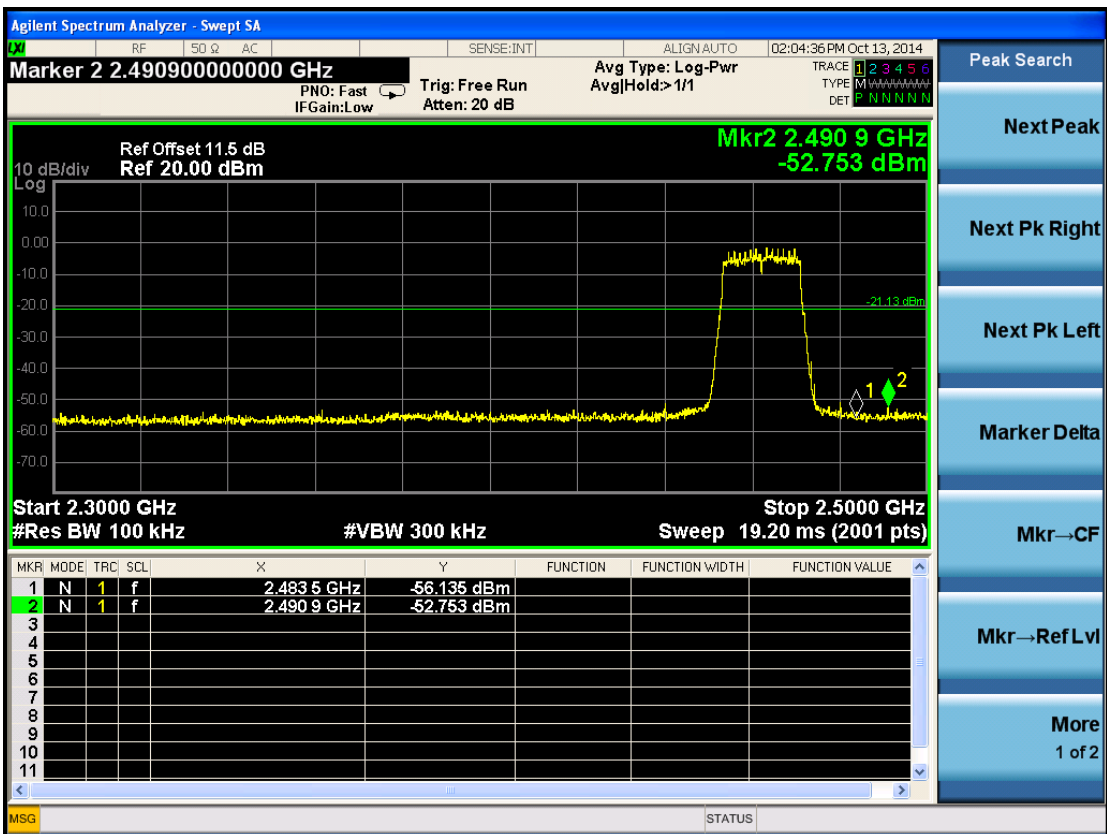
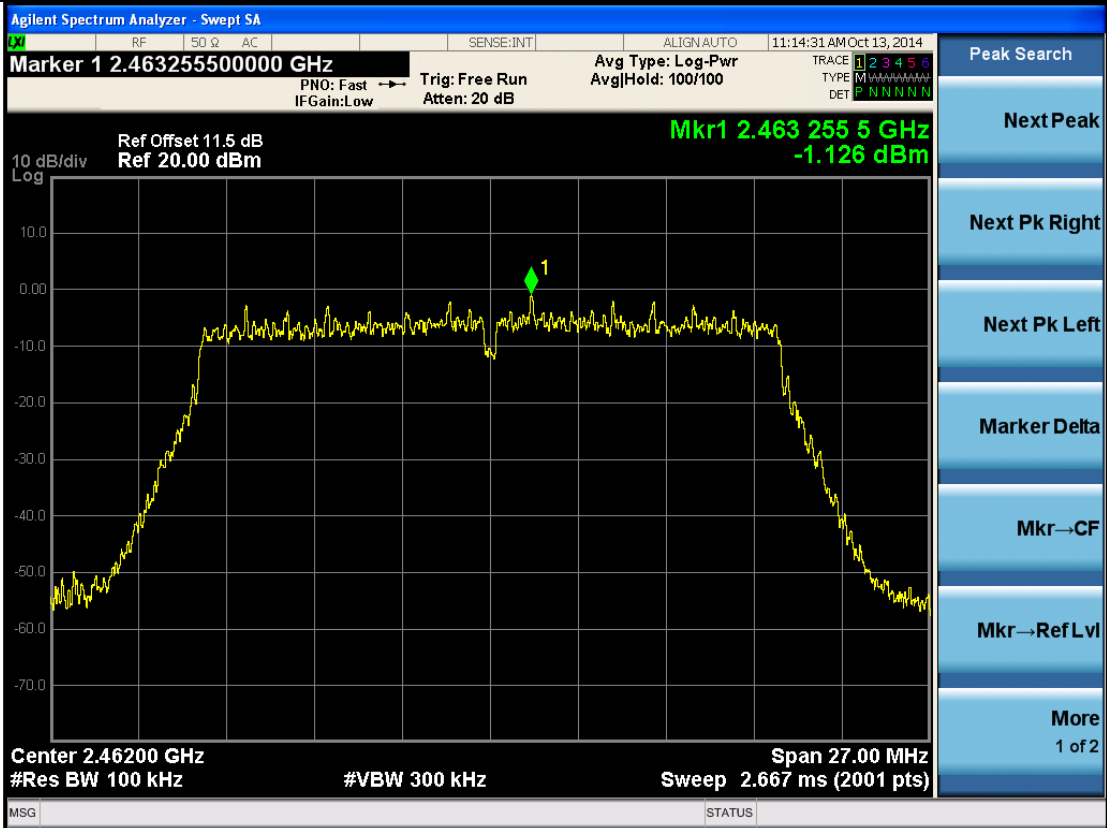


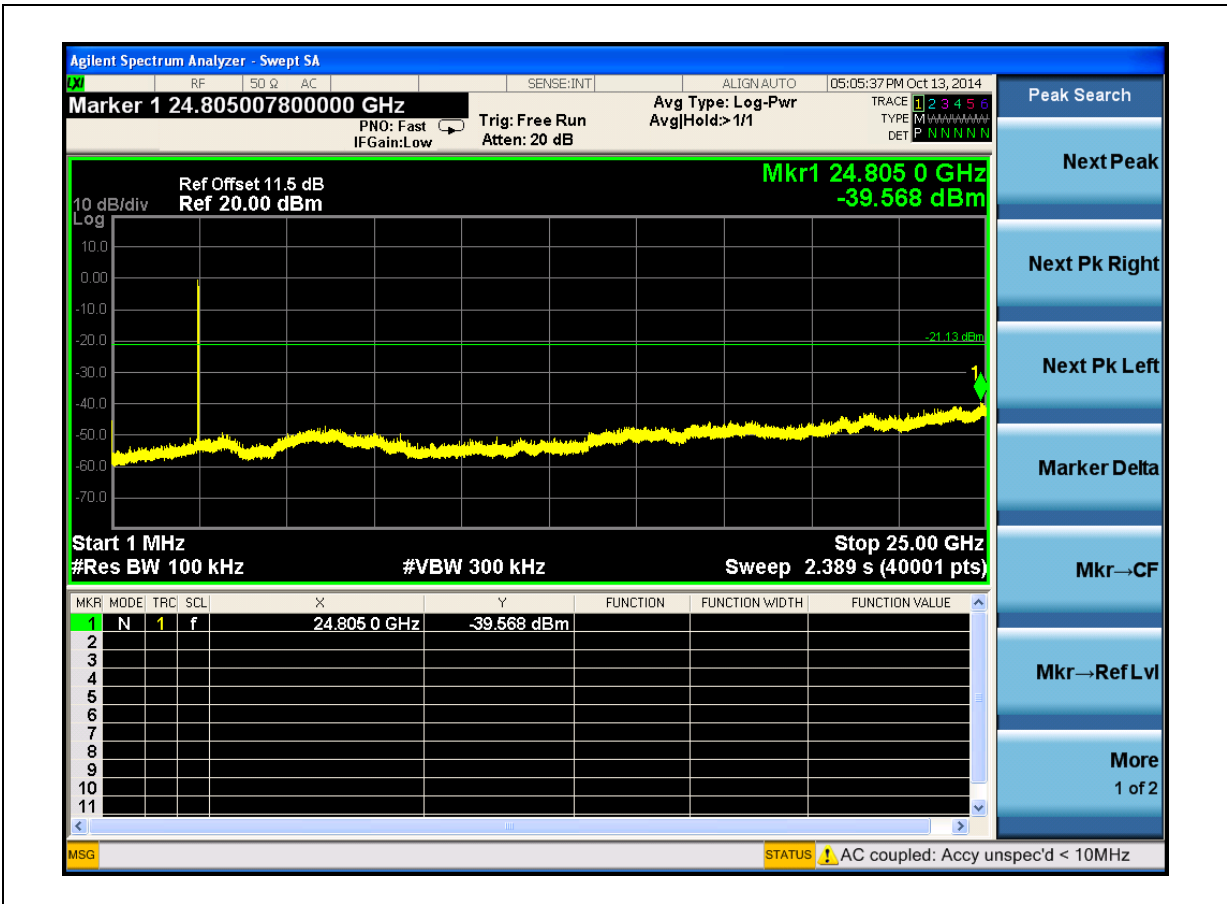


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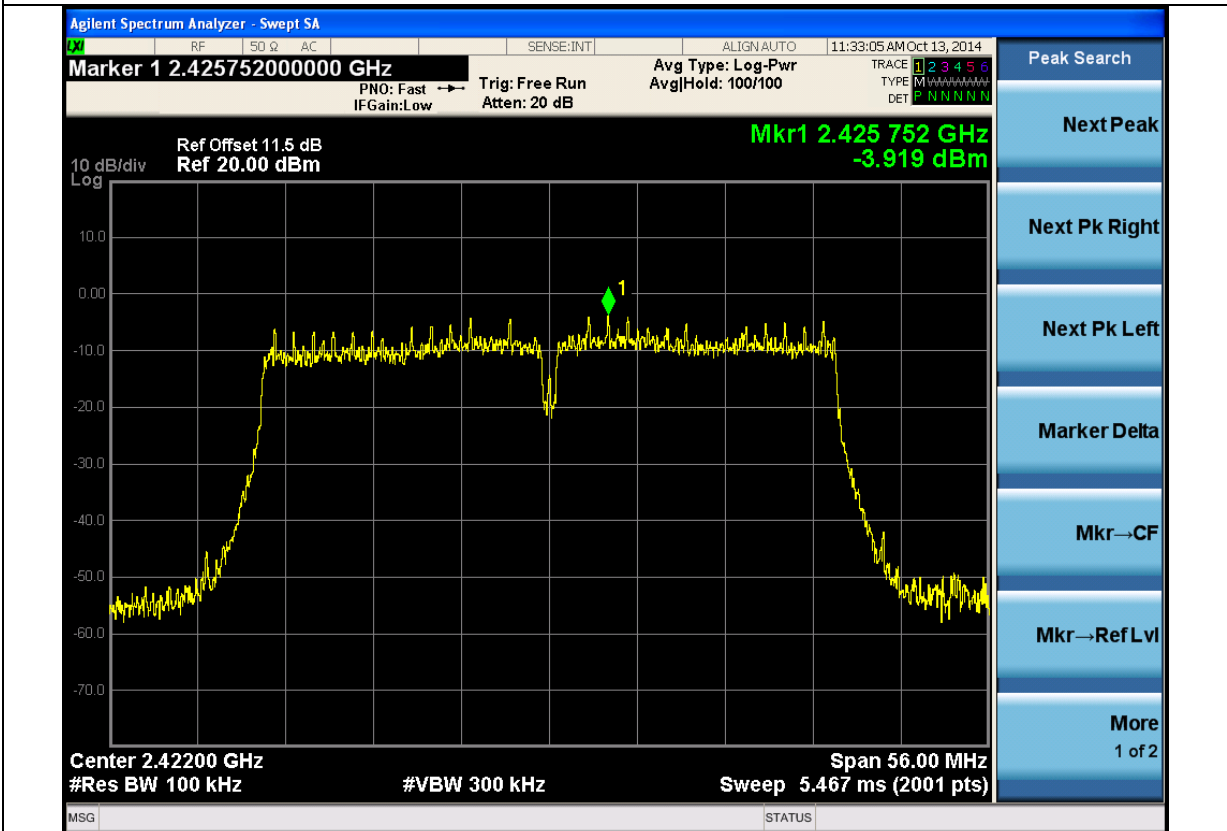


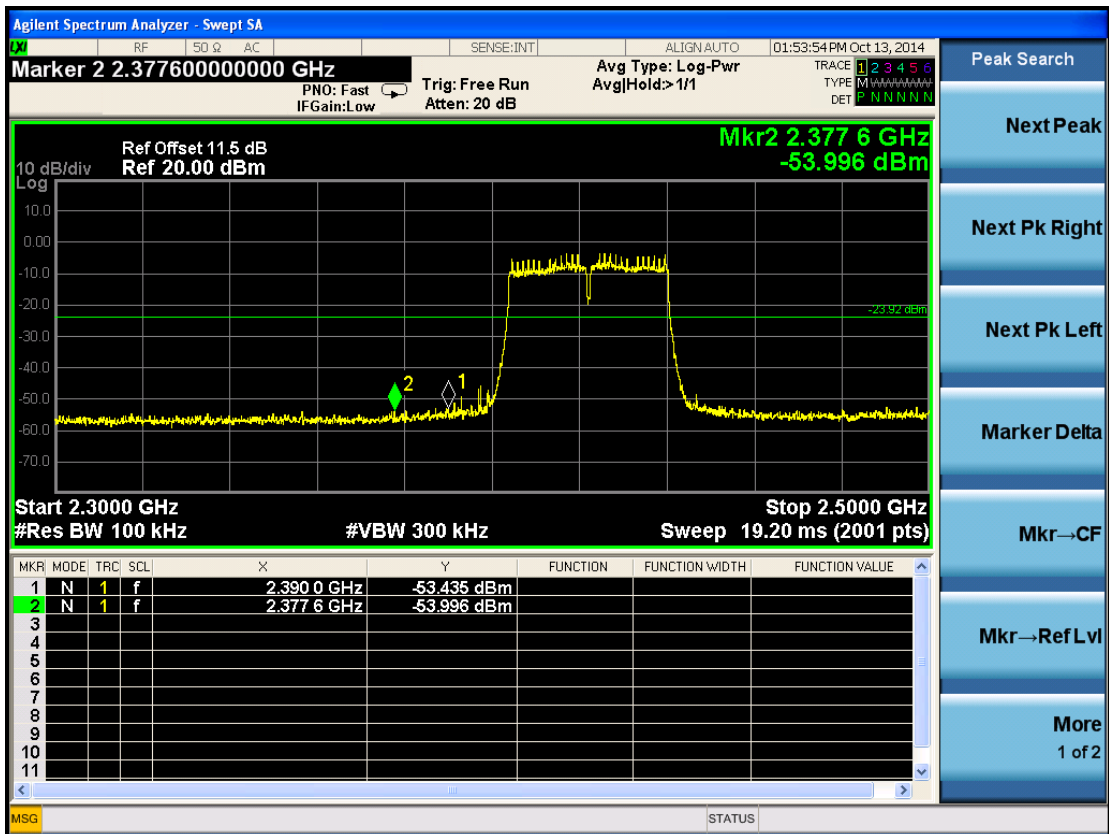
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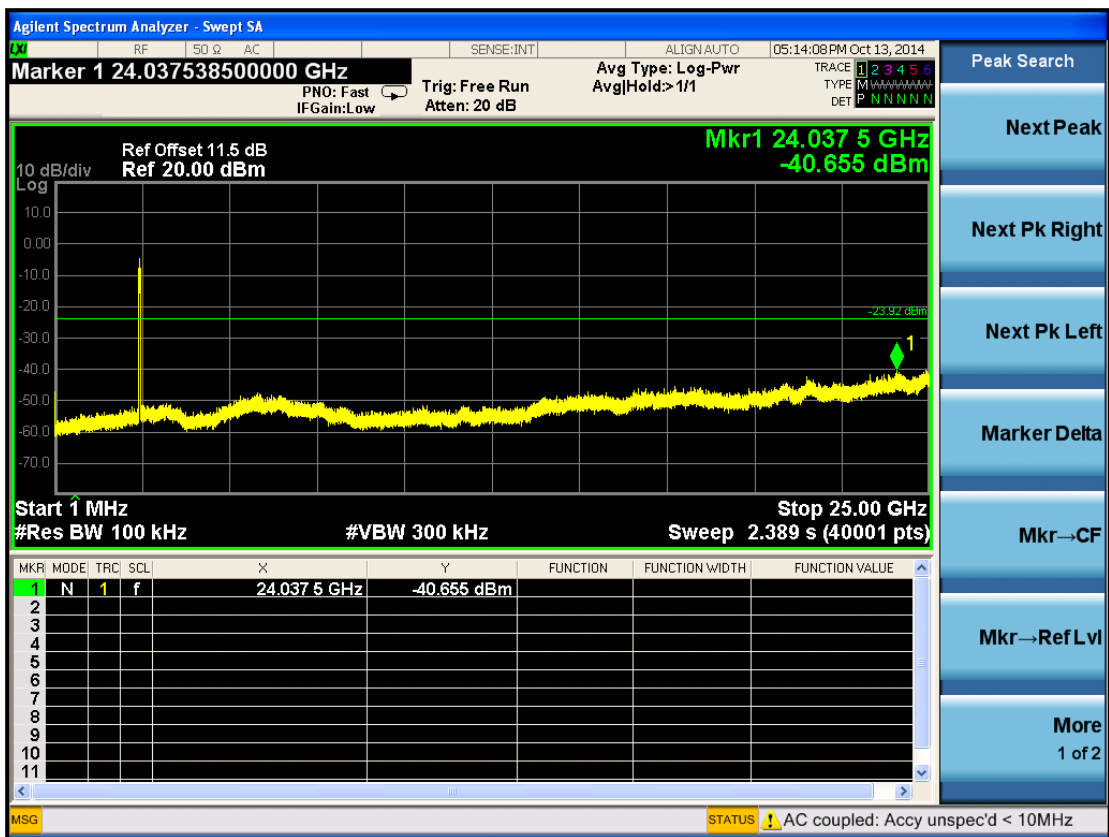


802.11n40-2422



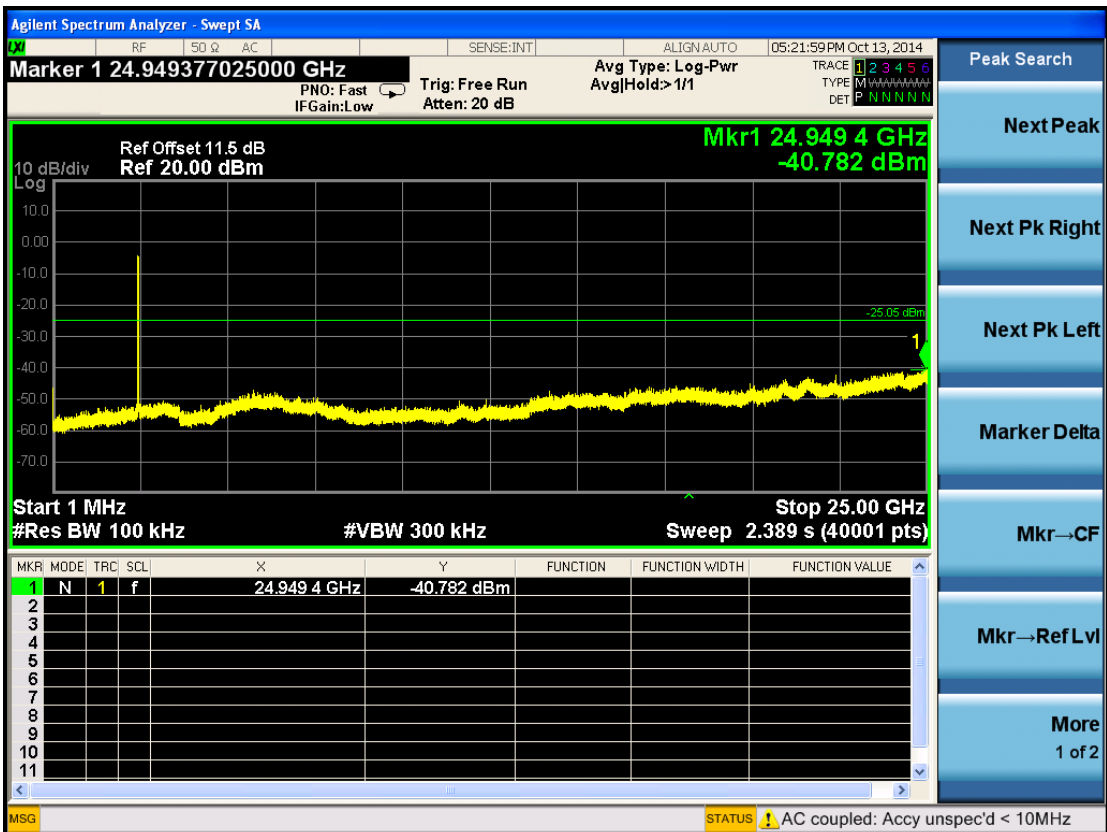
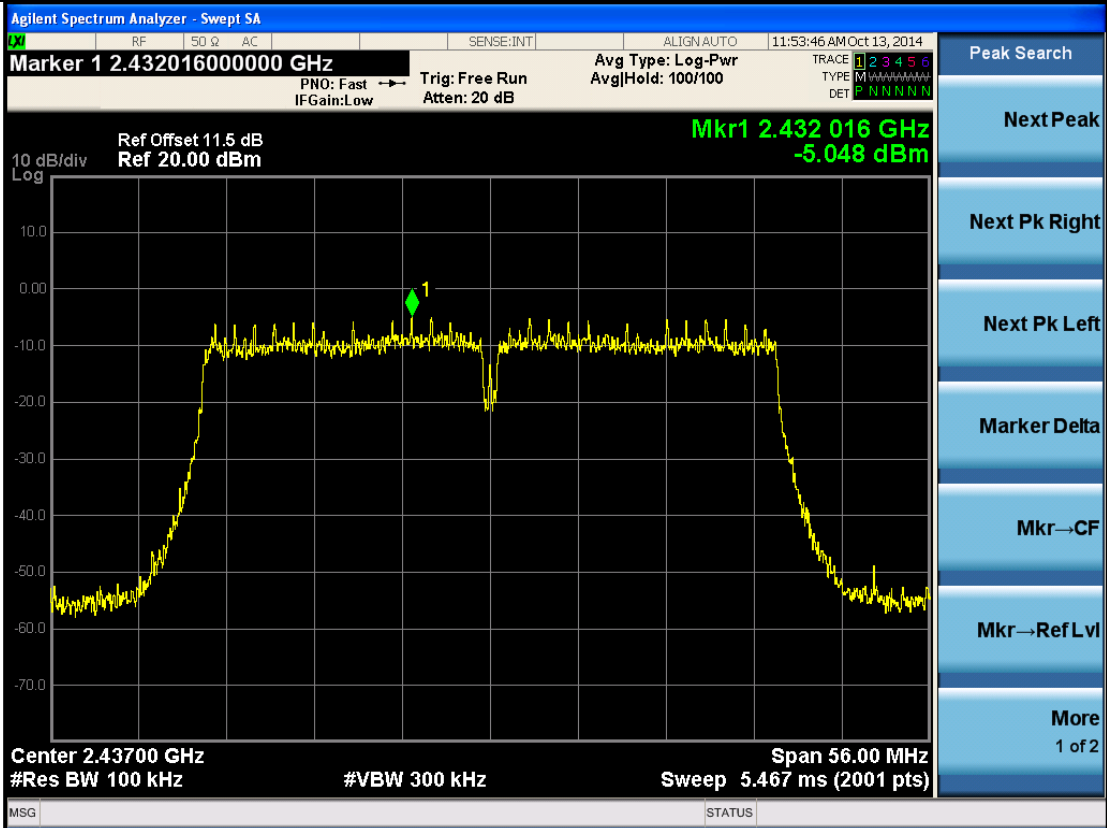


- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More
1 of 2

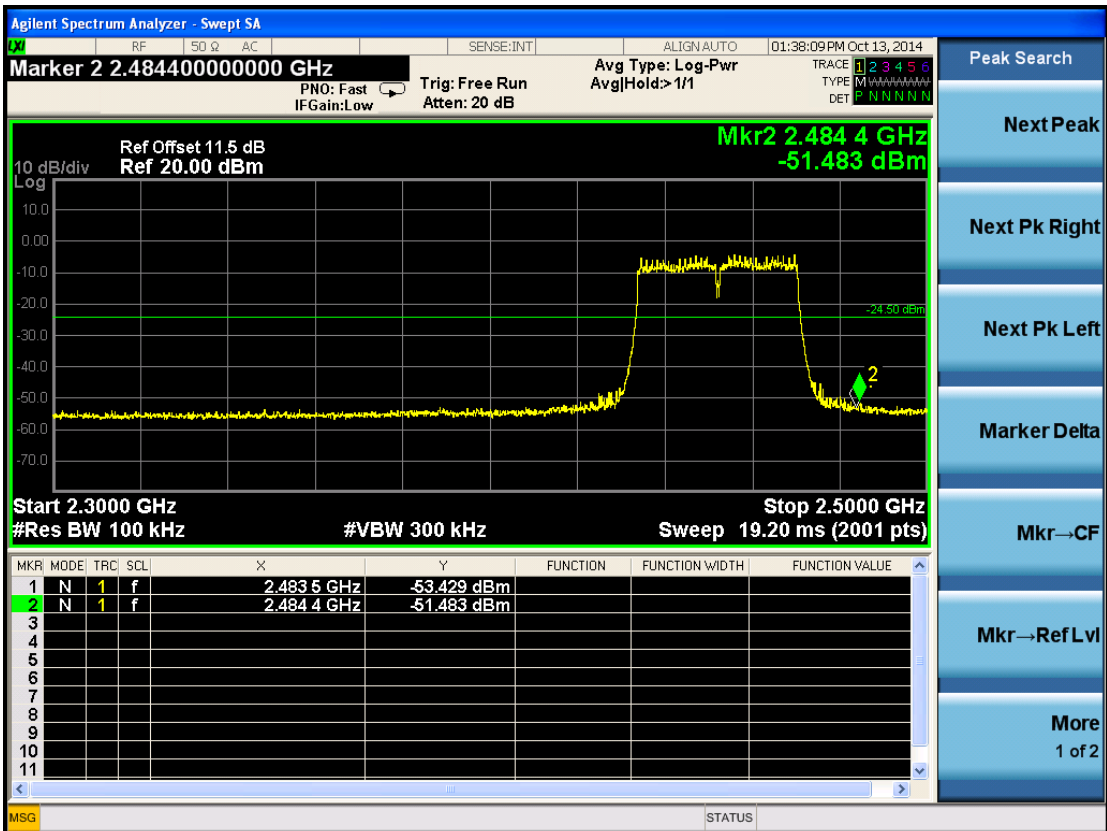
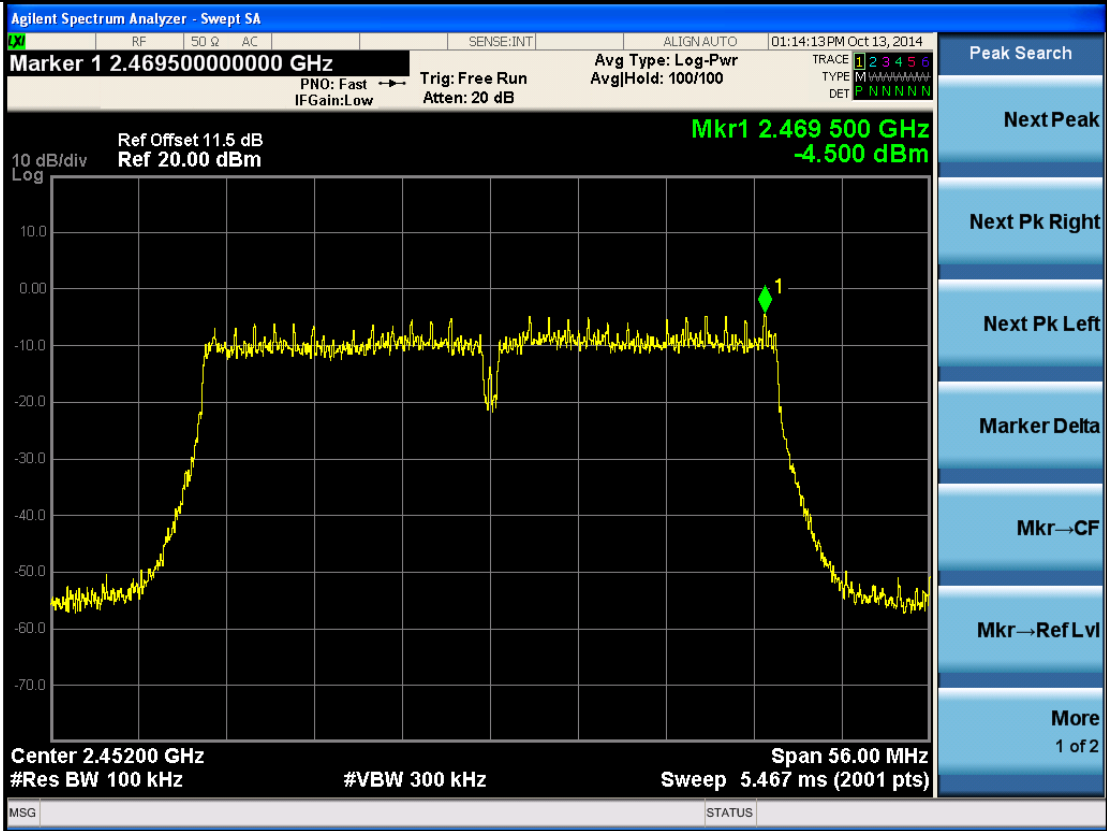


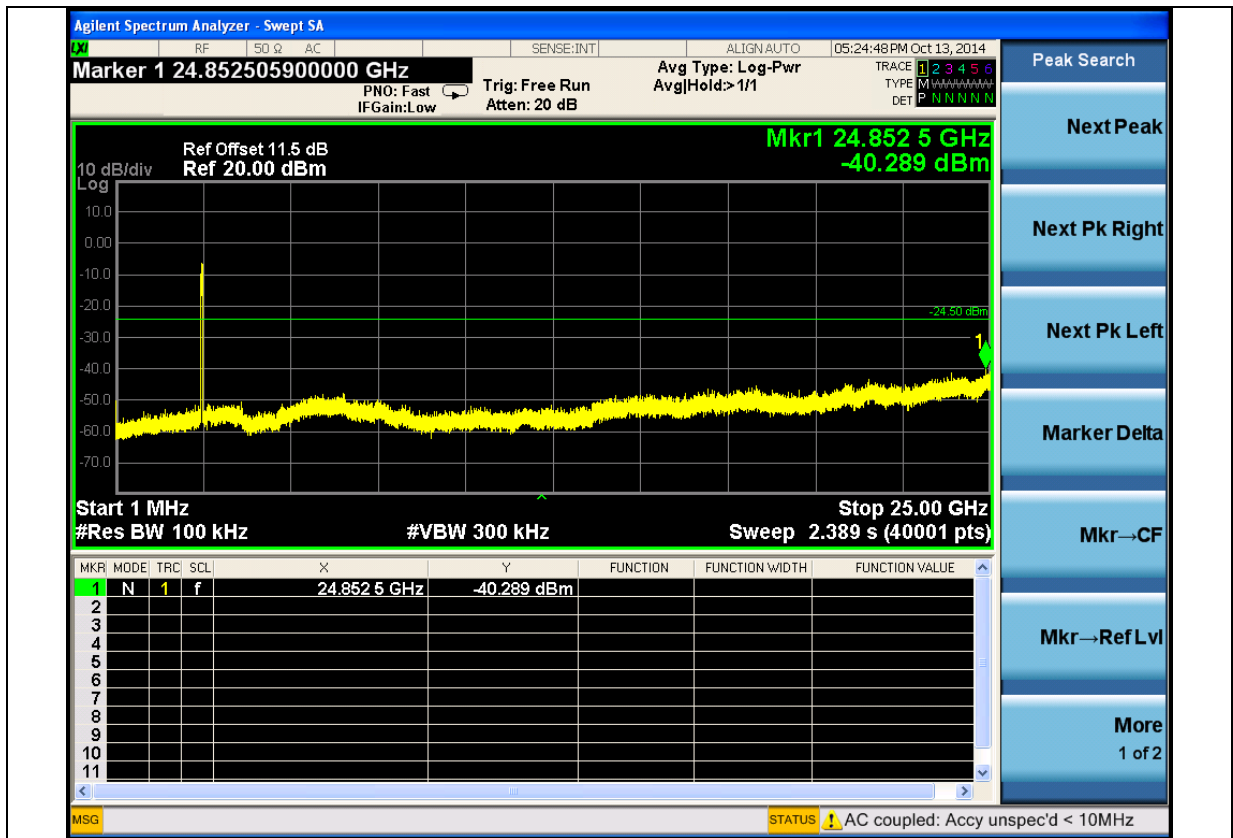
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More
1 of 2

802.11n40-2437



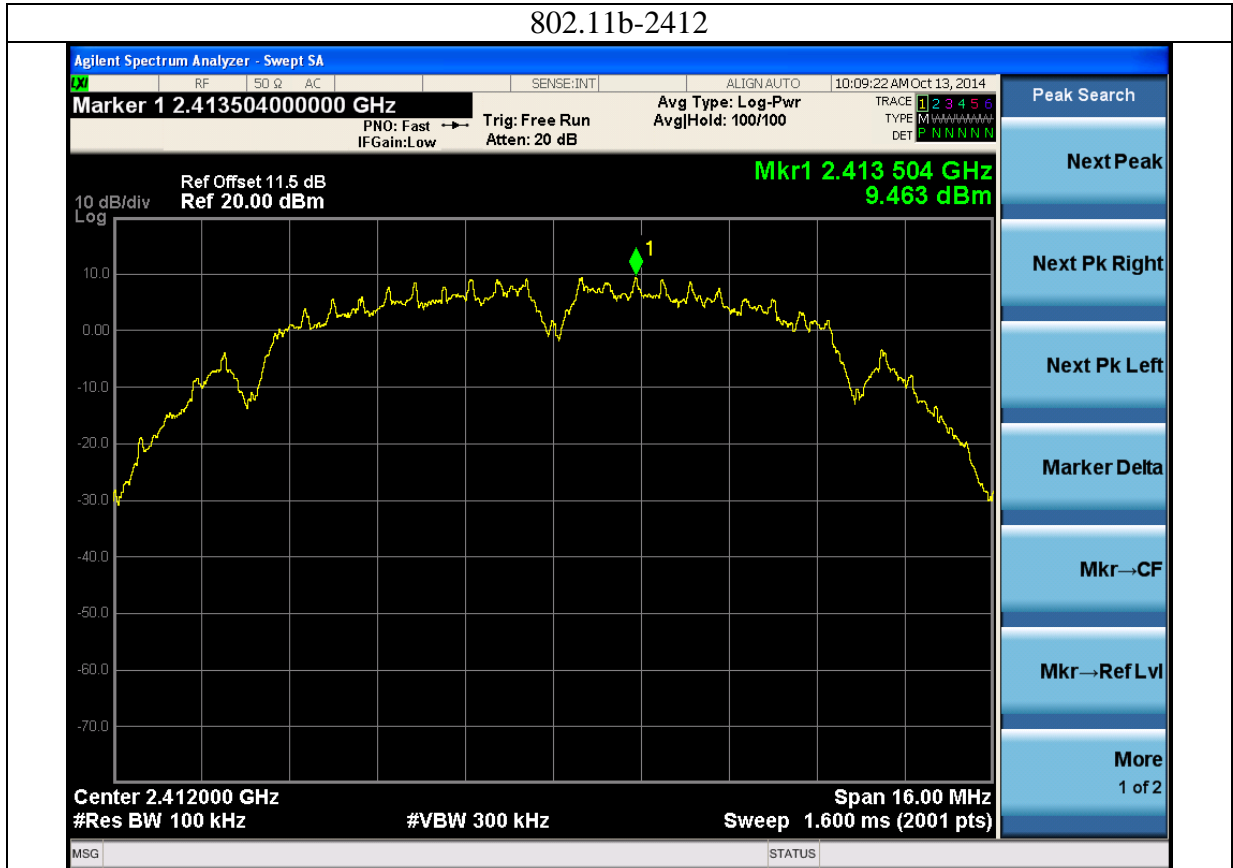
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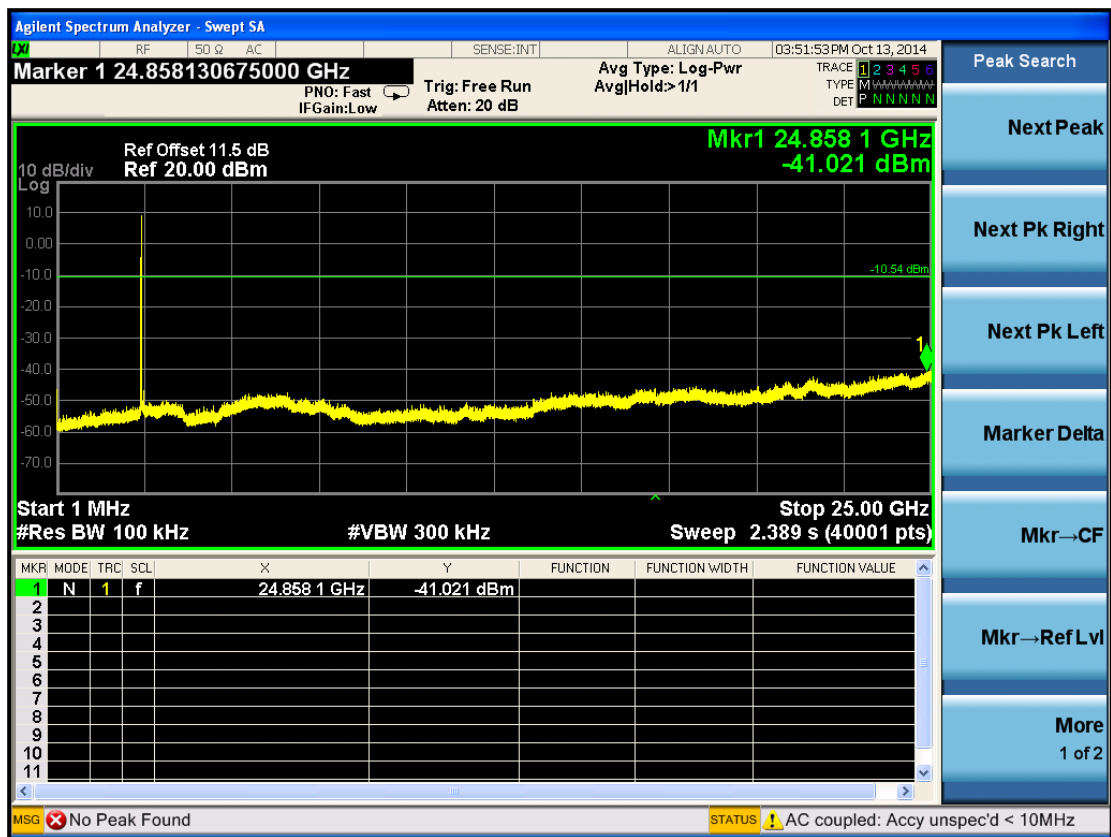
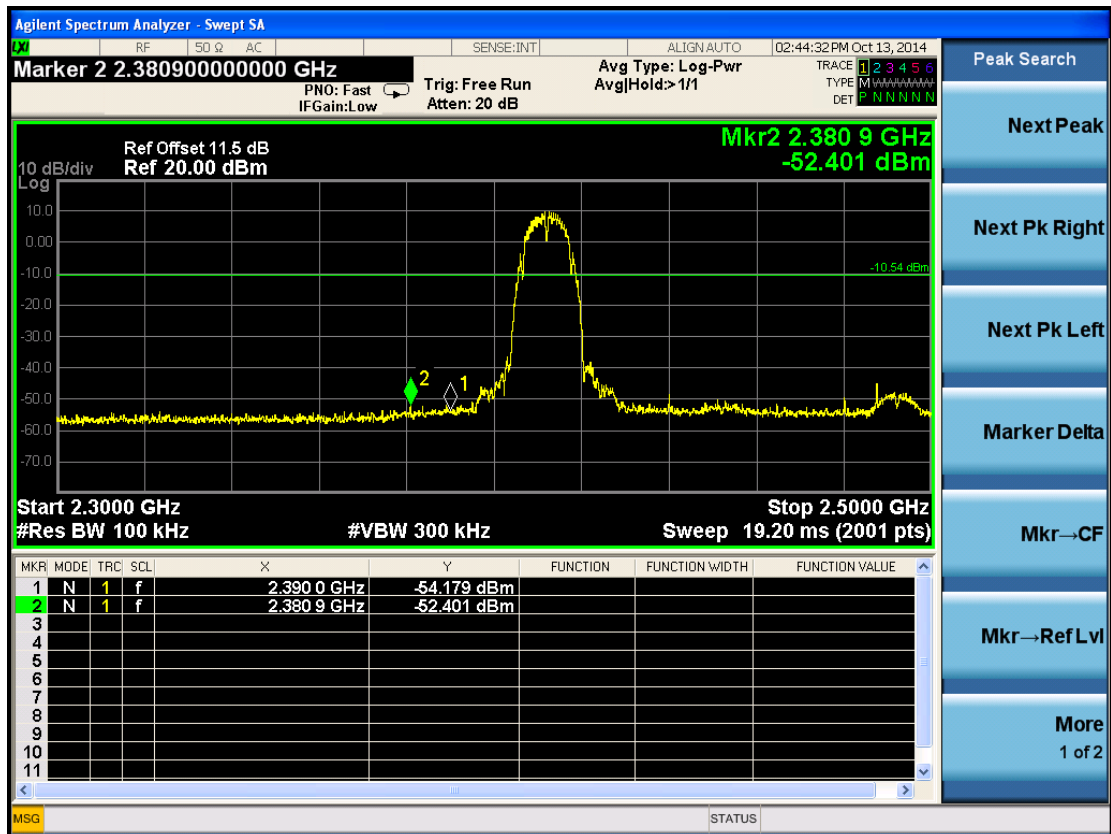




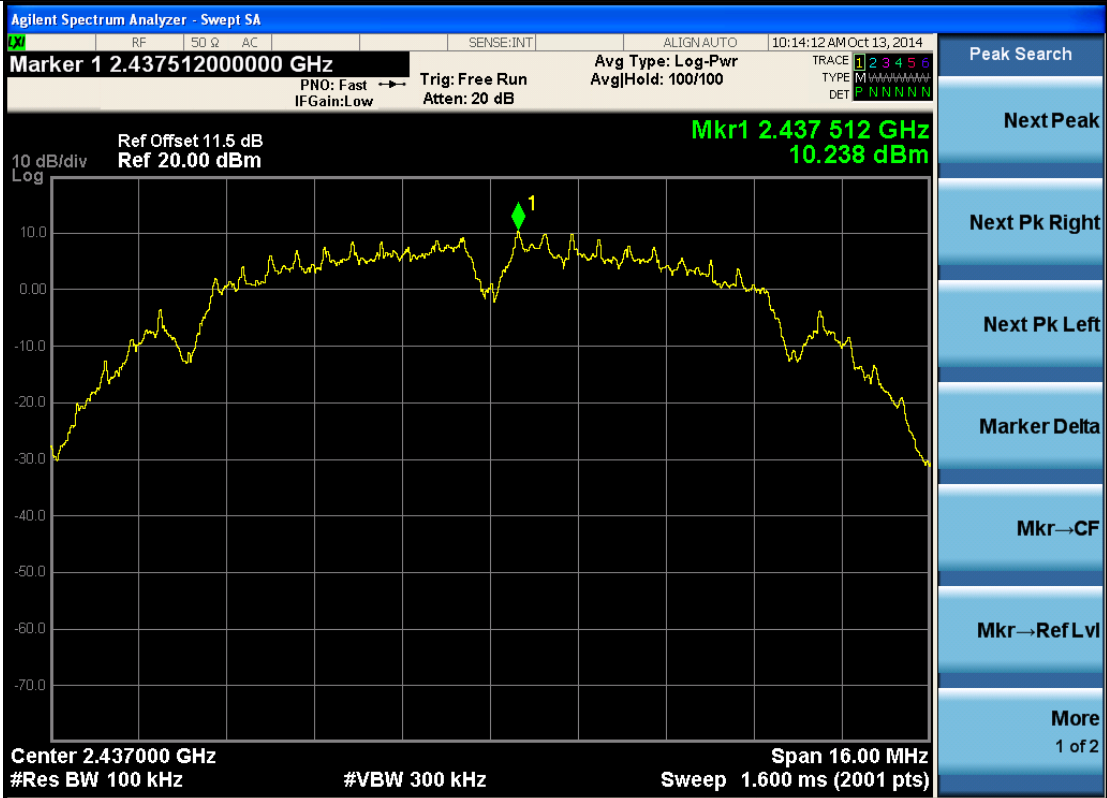
Port 2

802.11b-2412

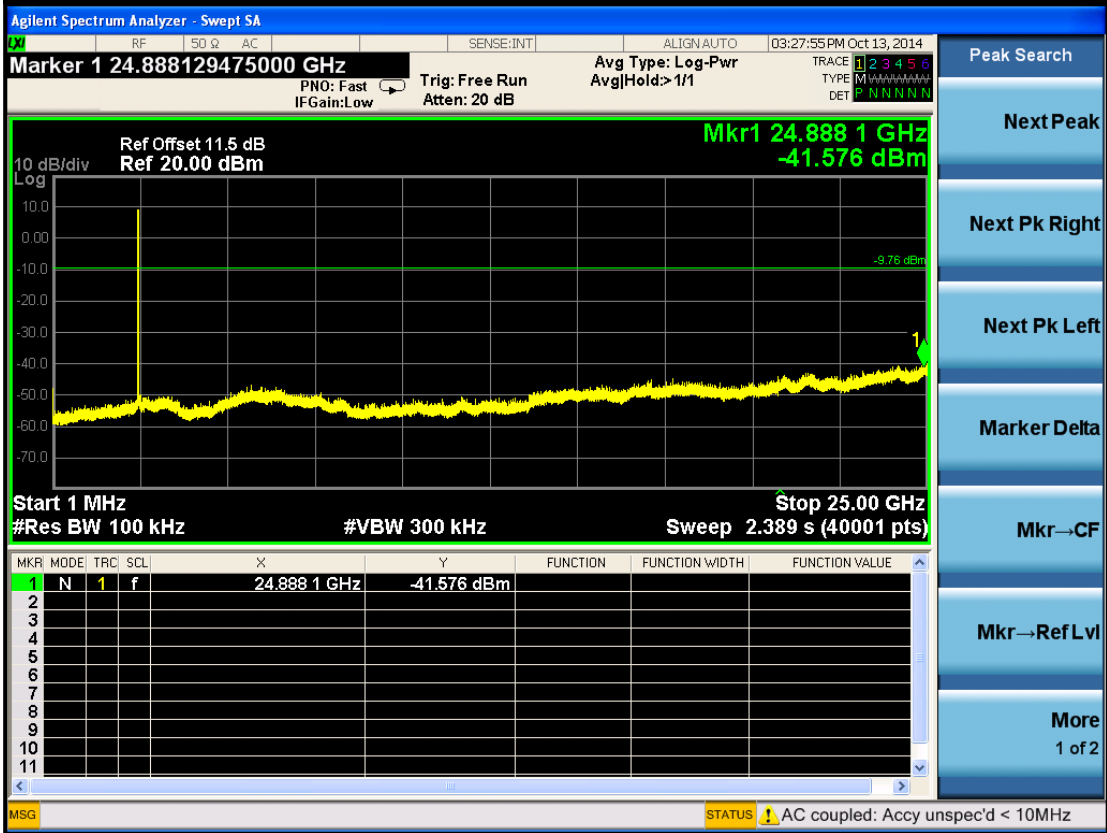




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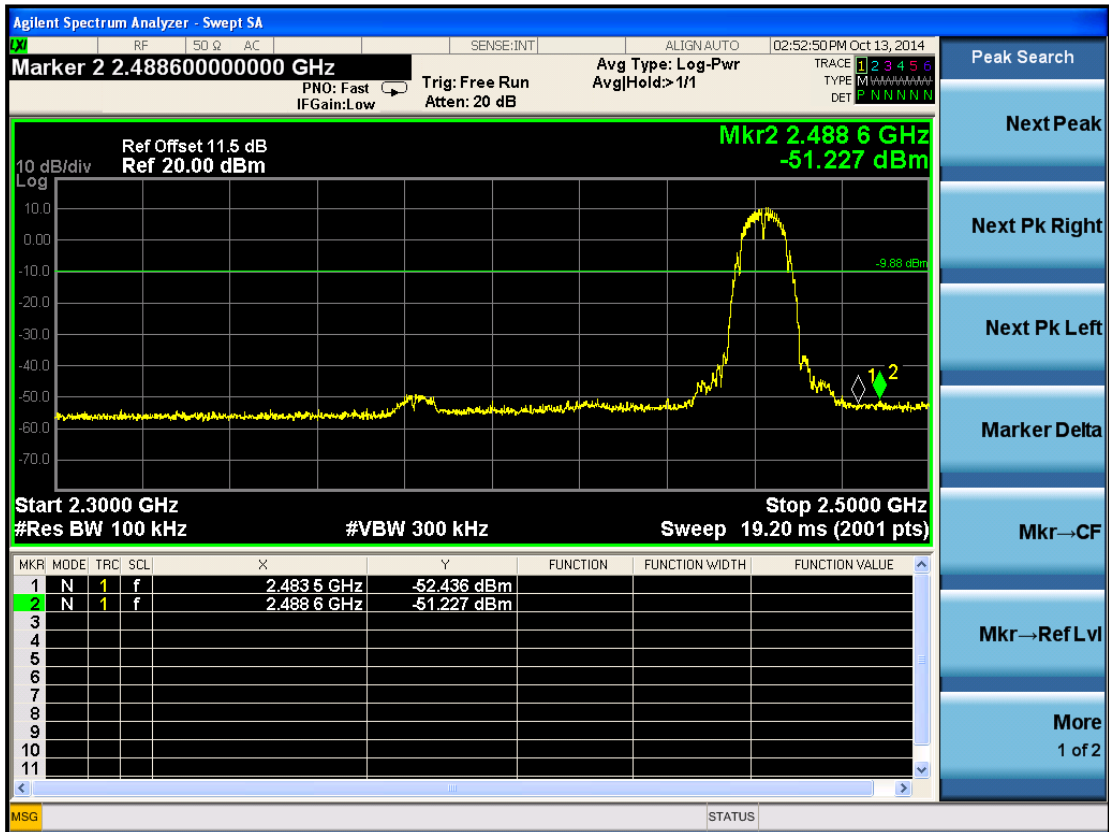


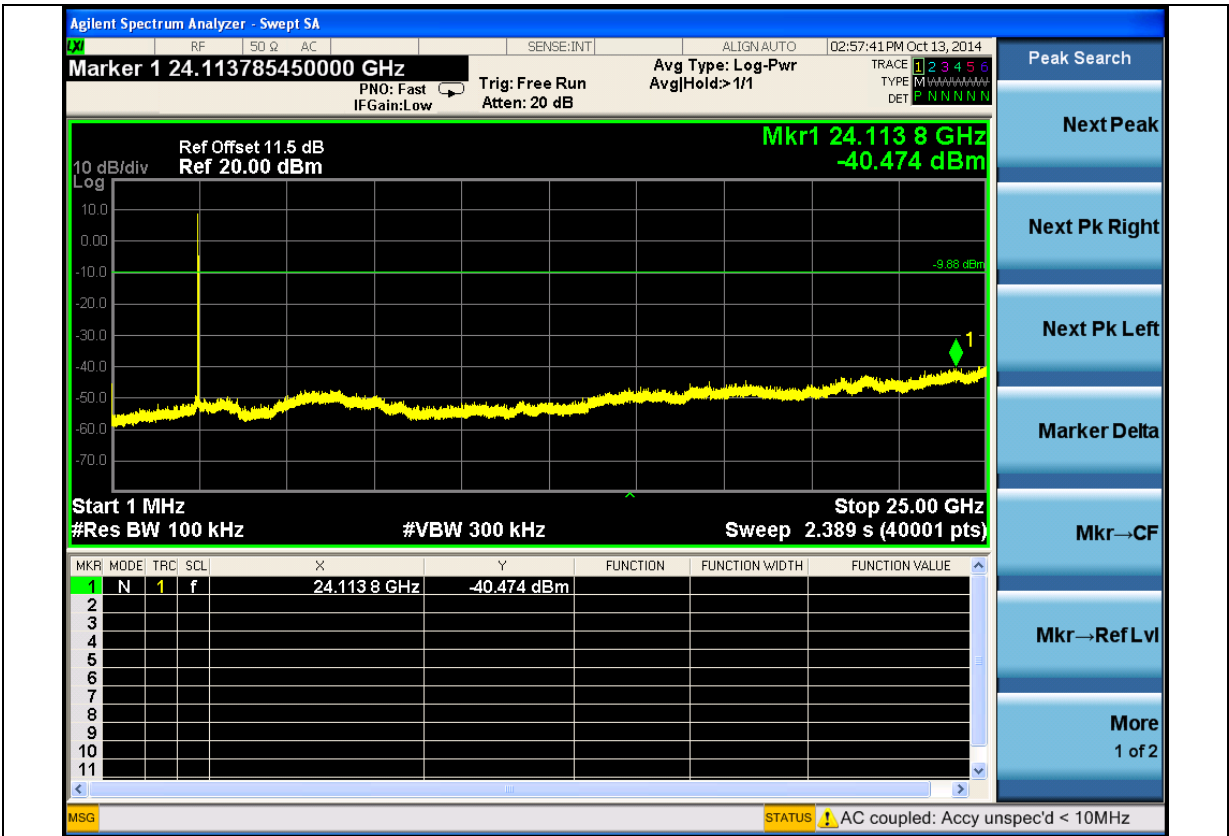
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2



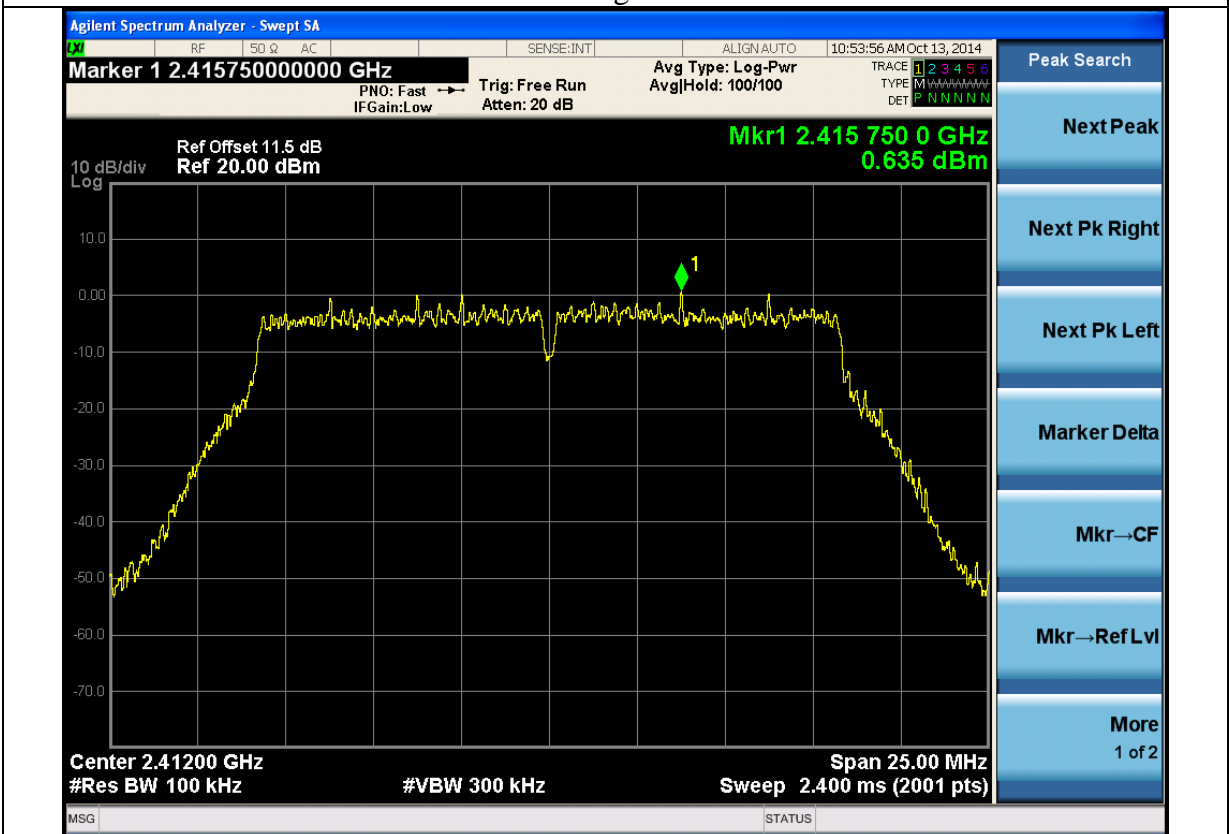
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2

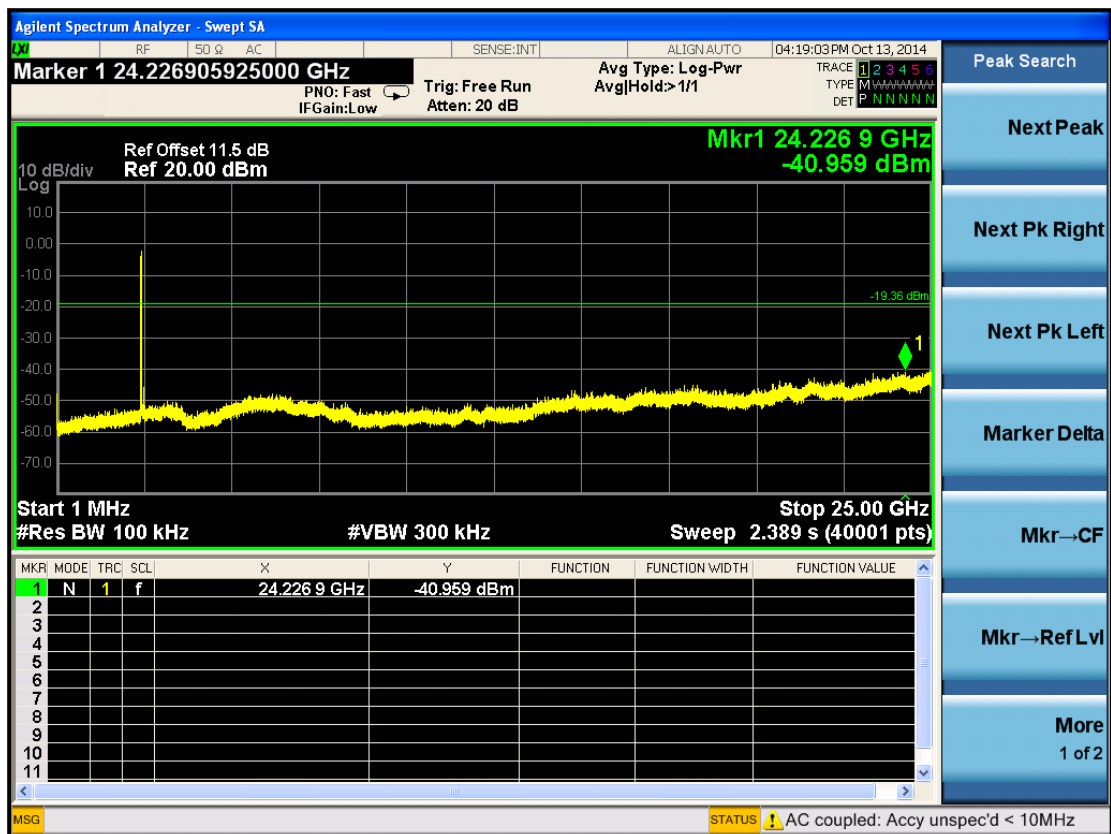
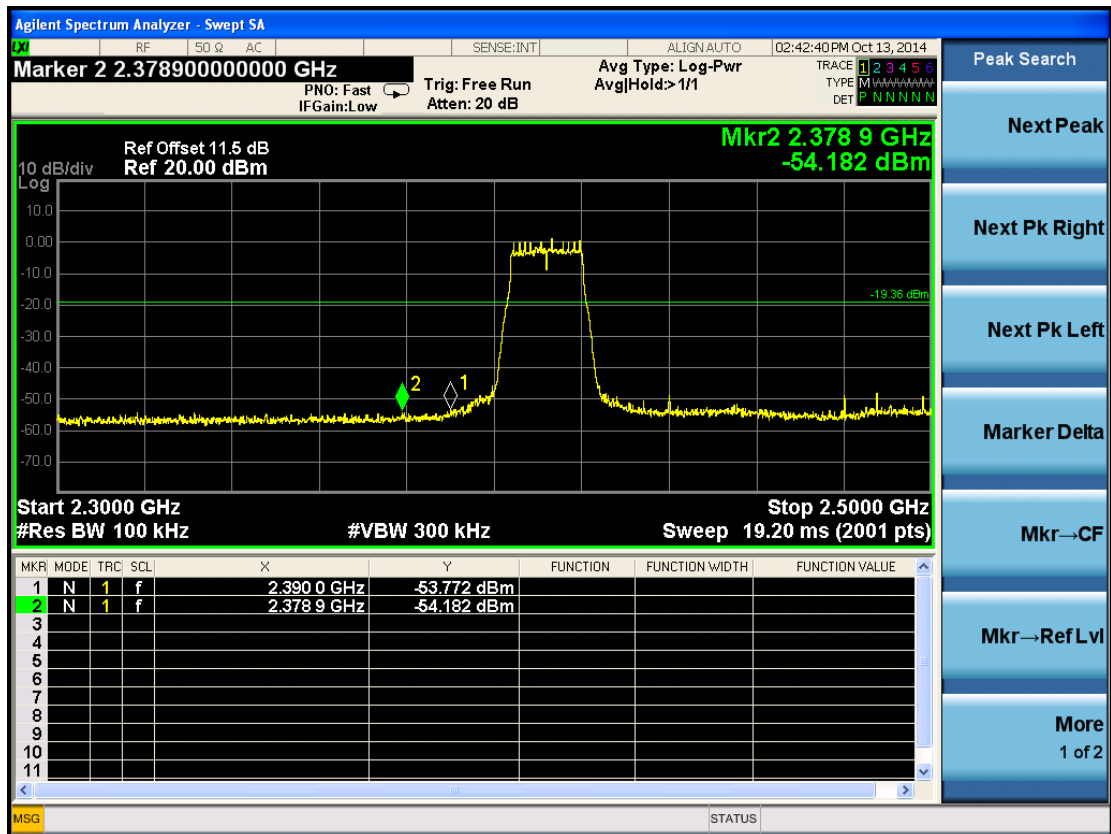
802.11b-2462



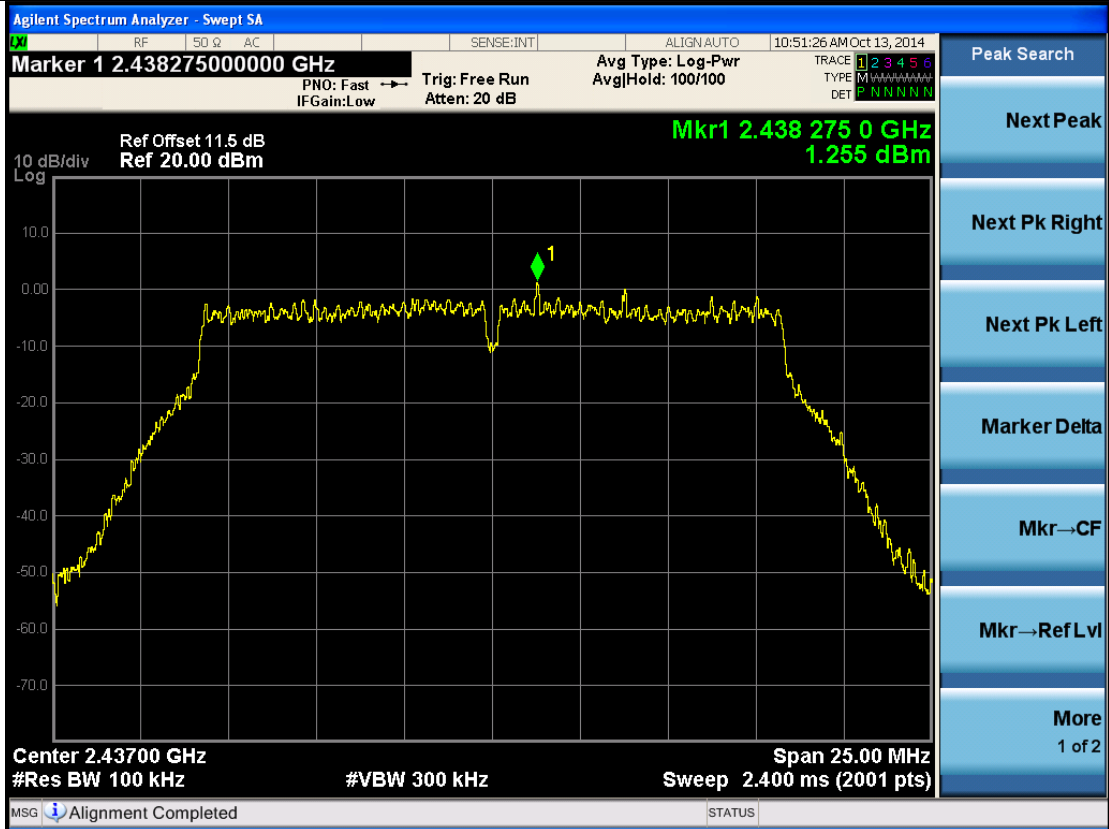


802.11g-2412

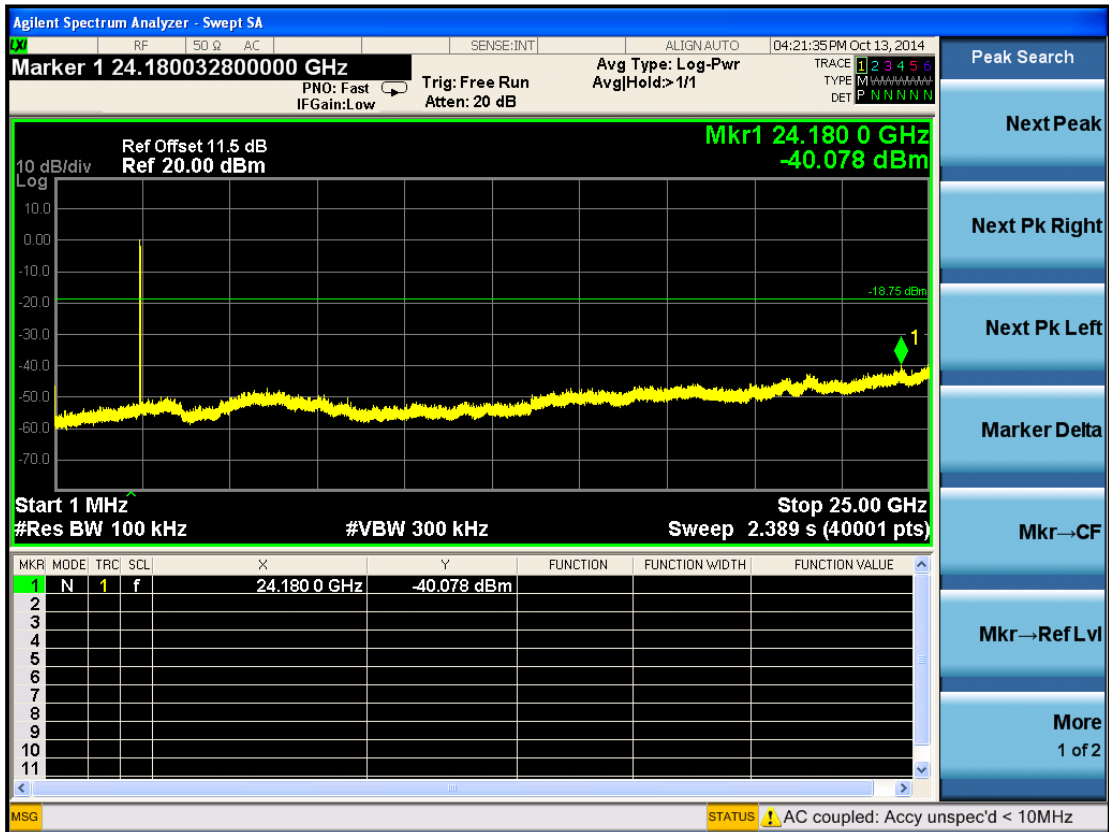




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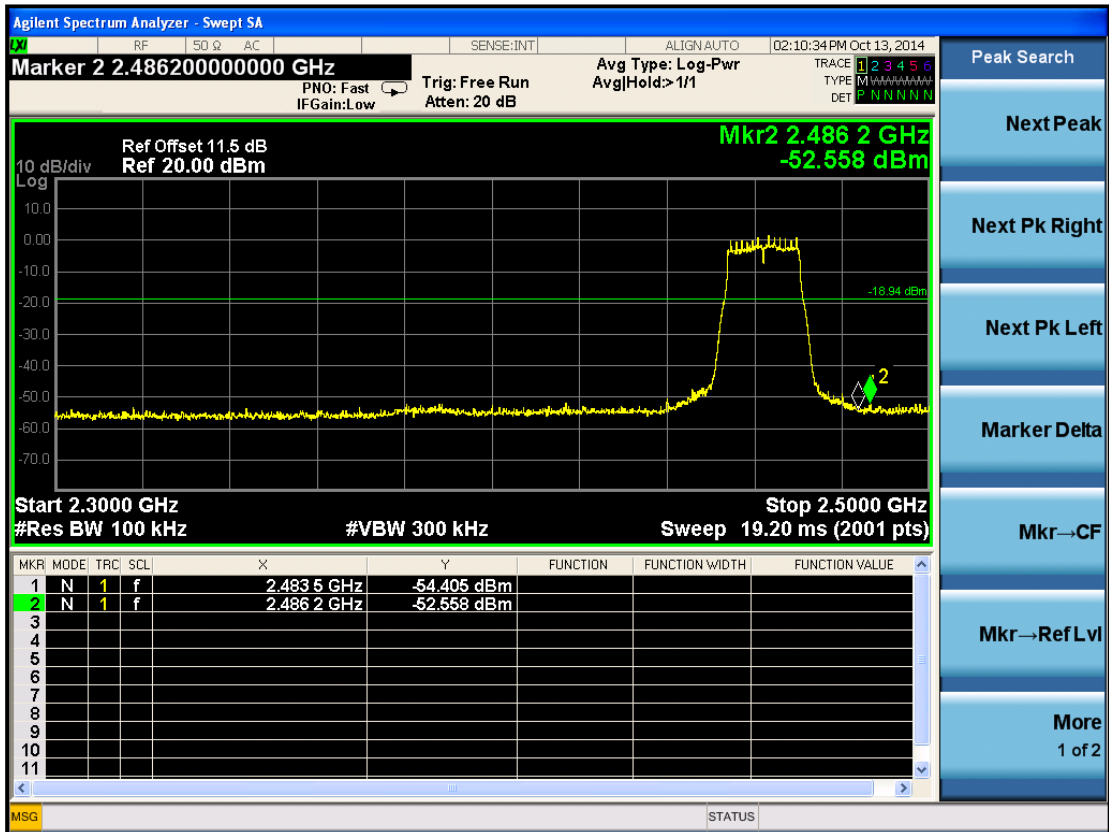
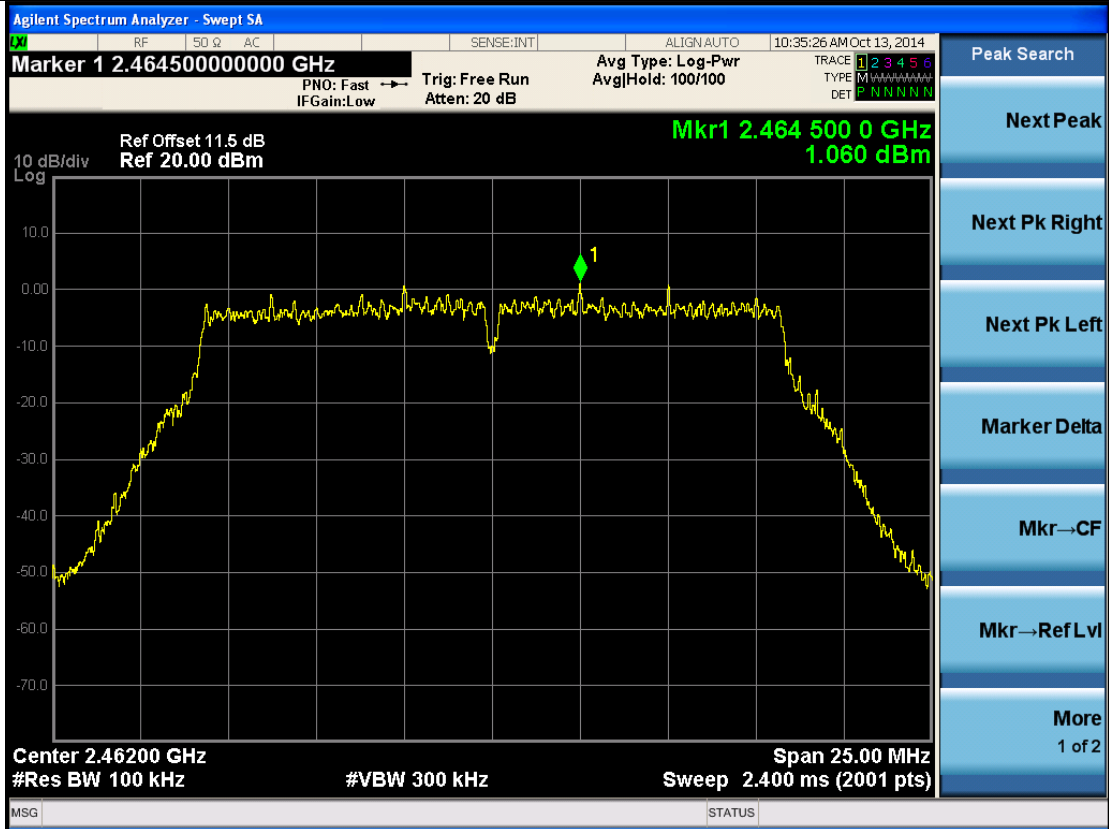


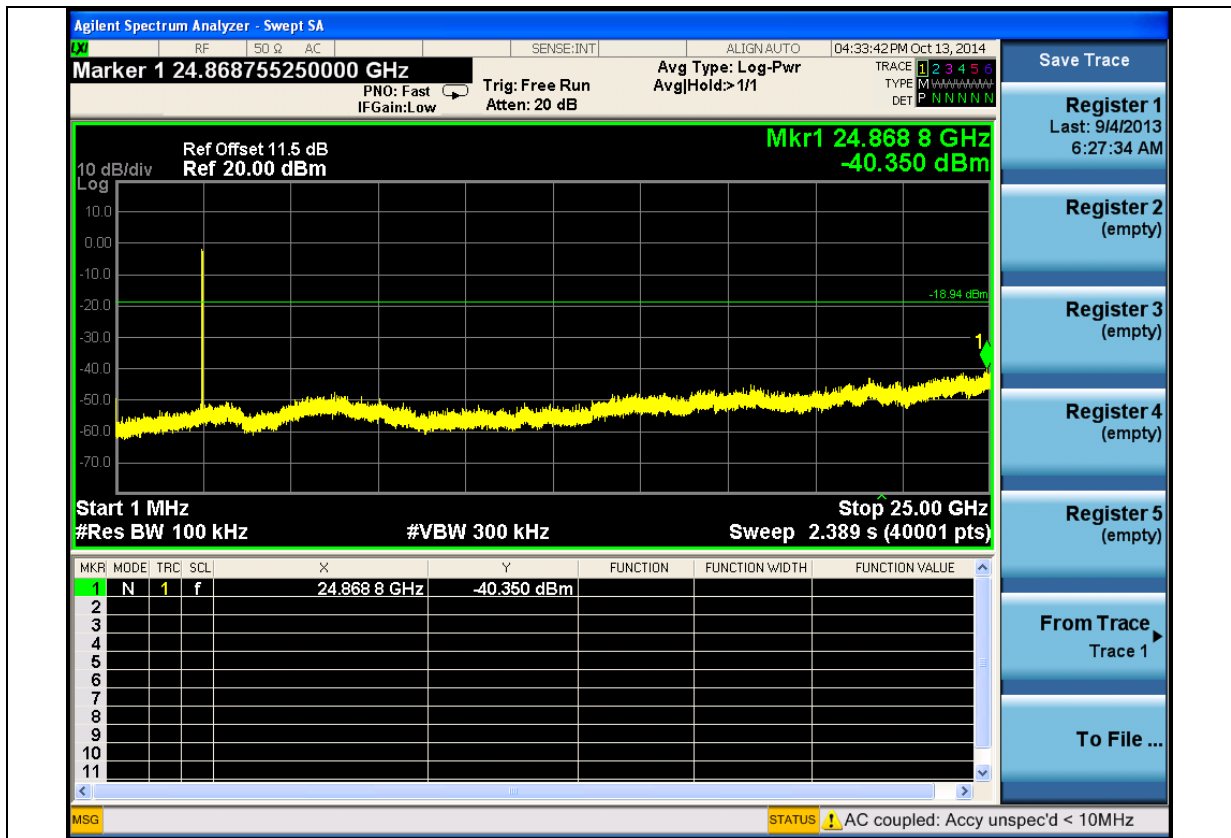
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2



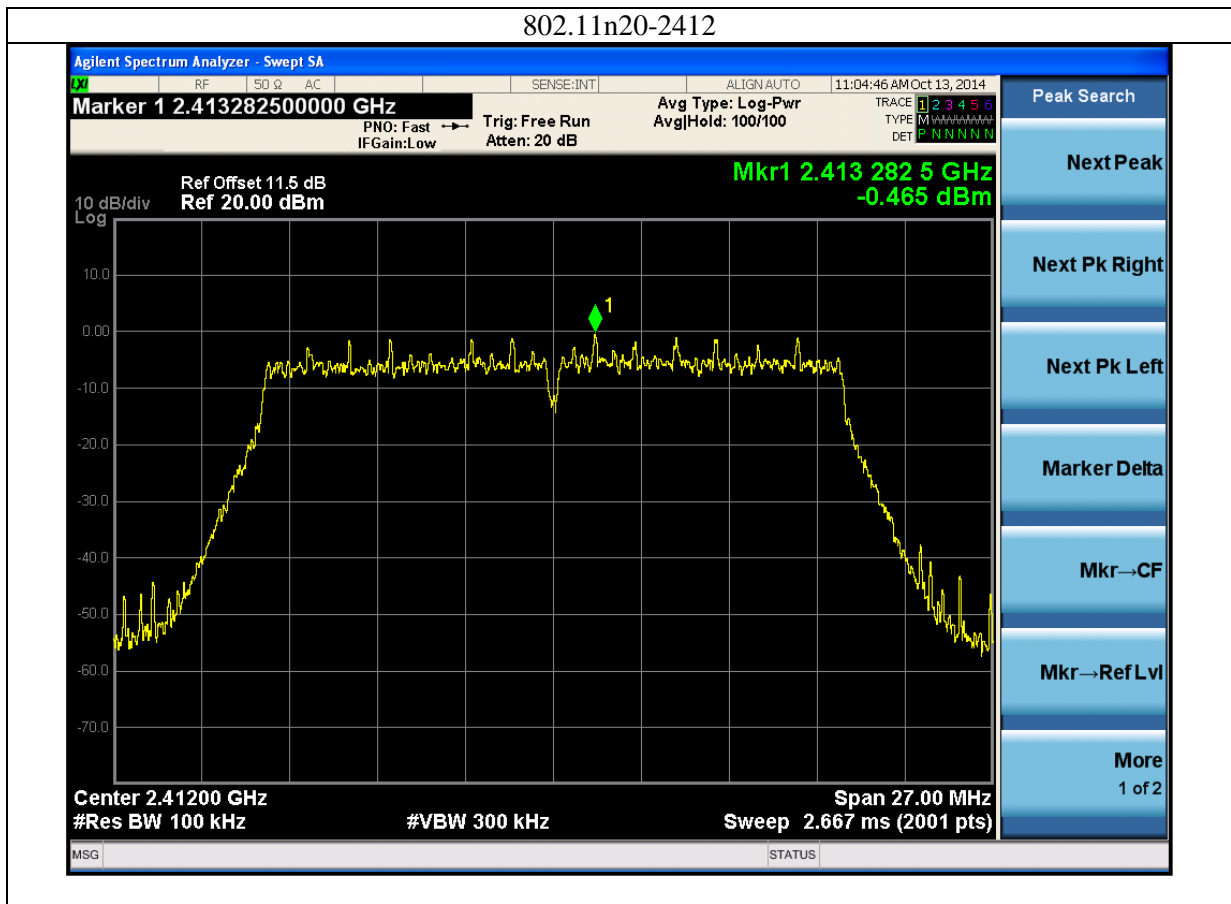
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2

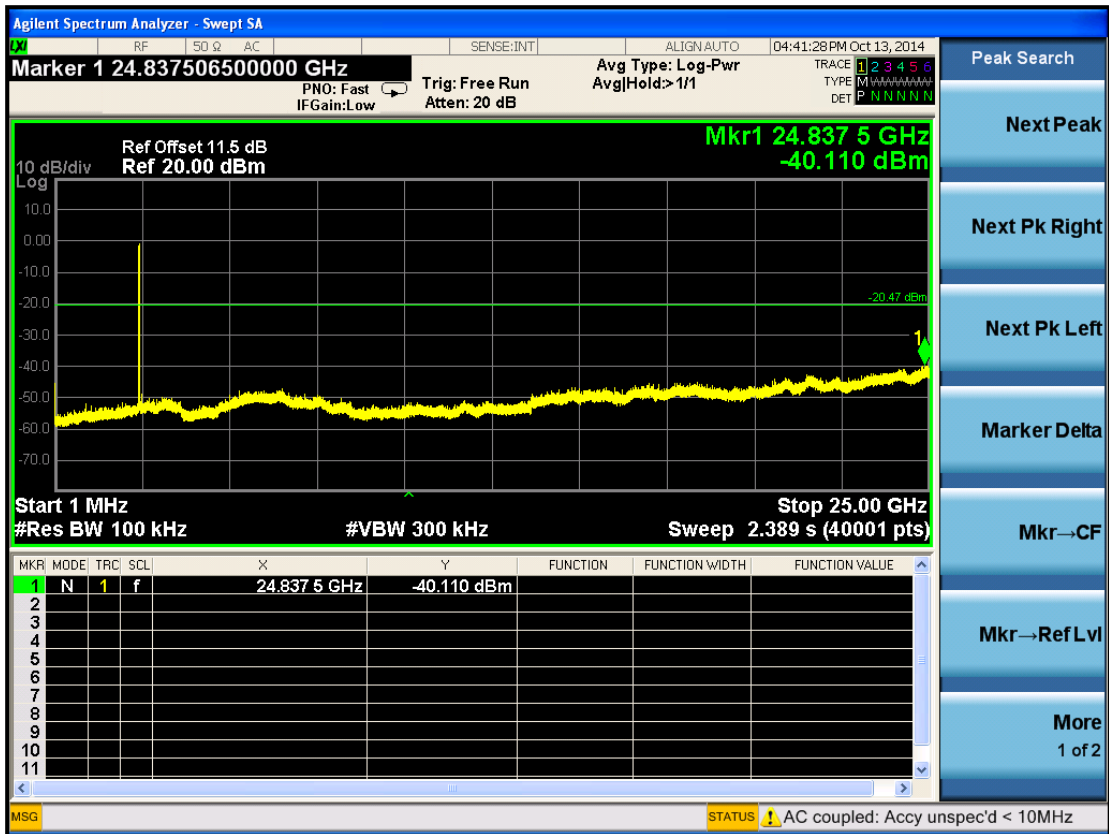
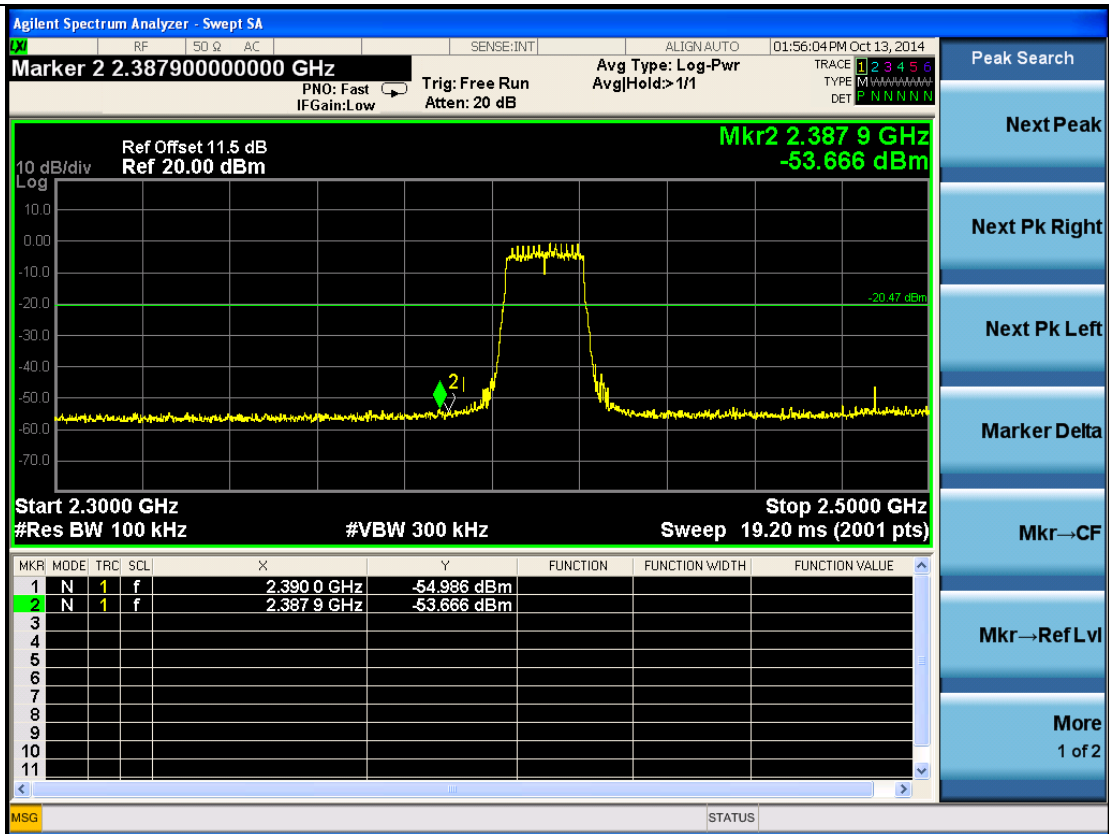
802.11g-2462



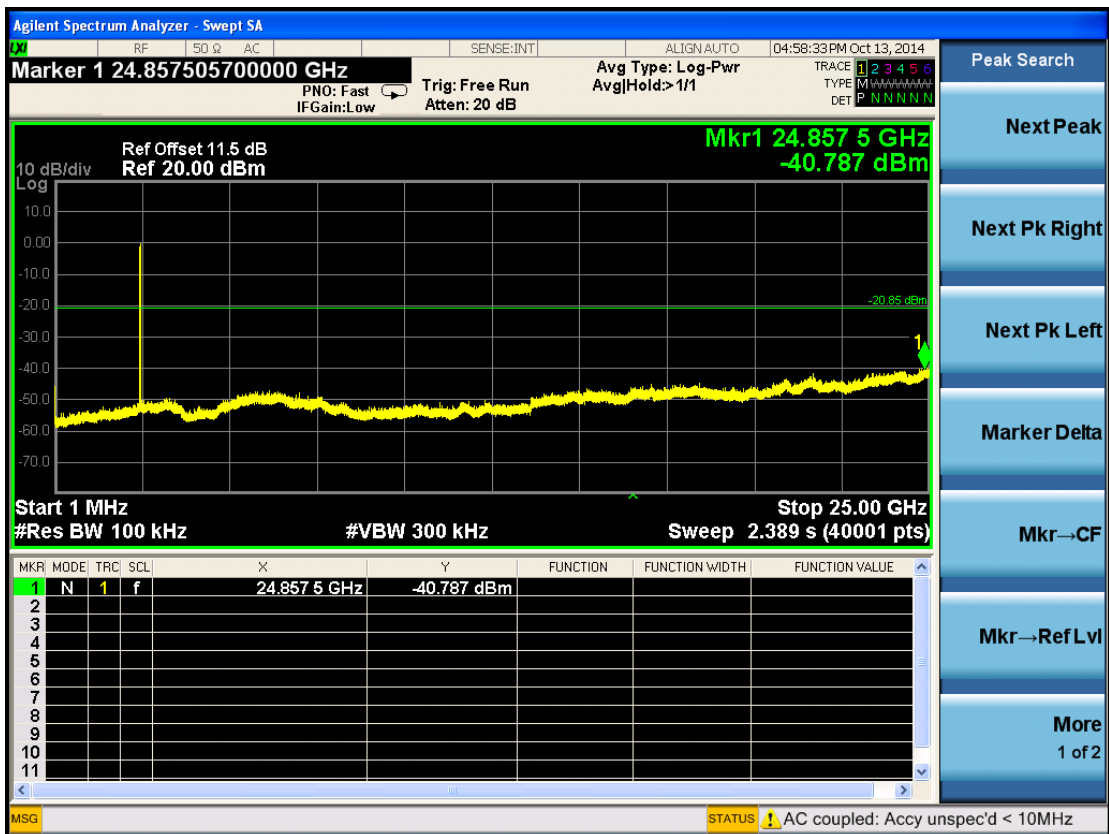
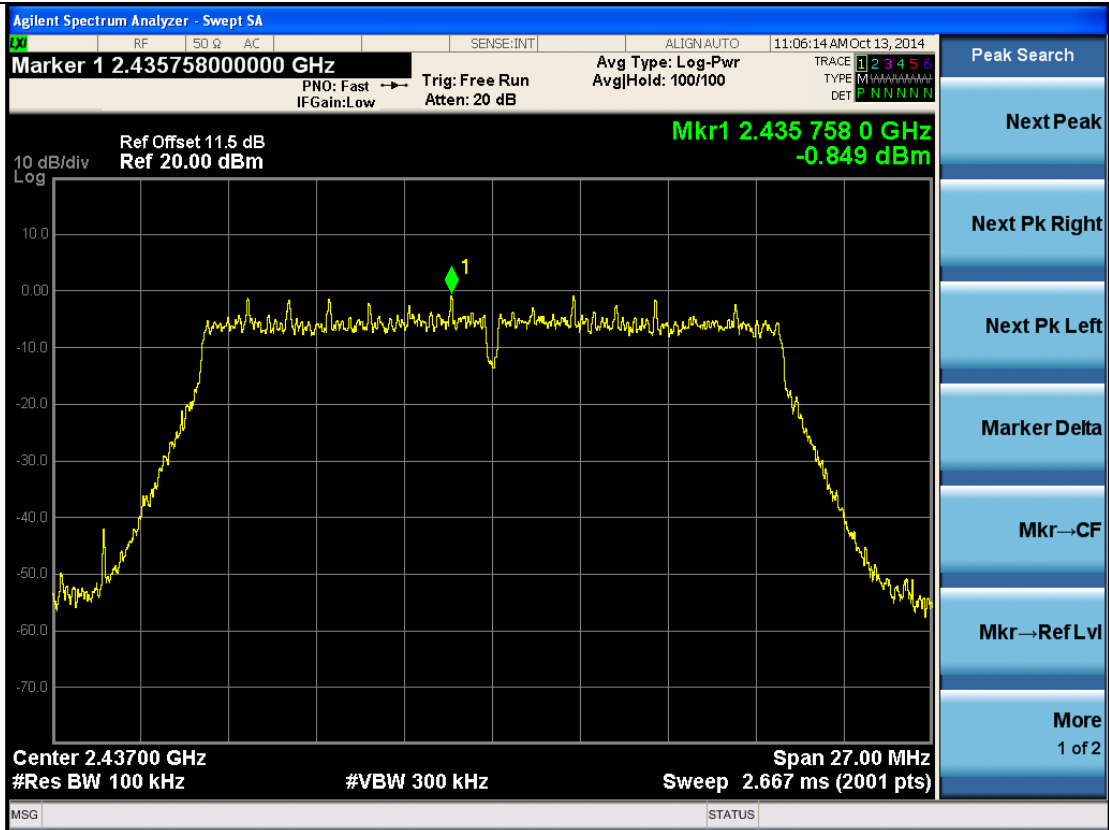


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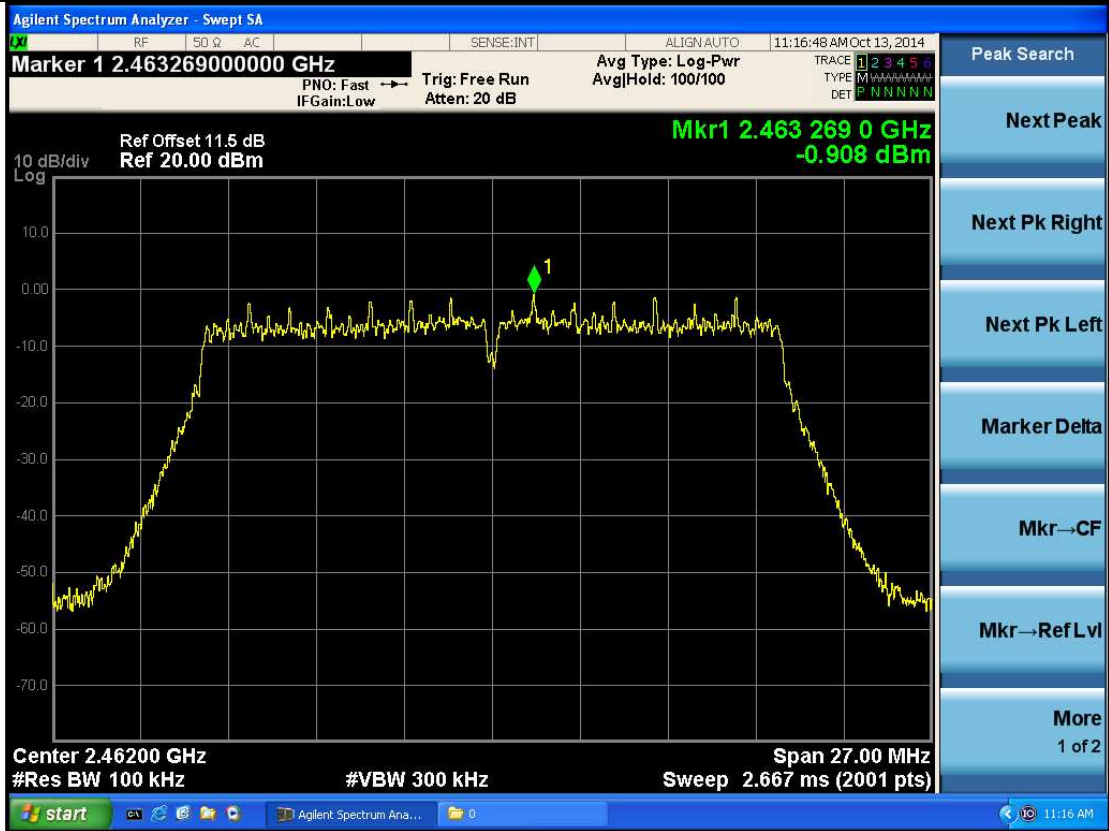




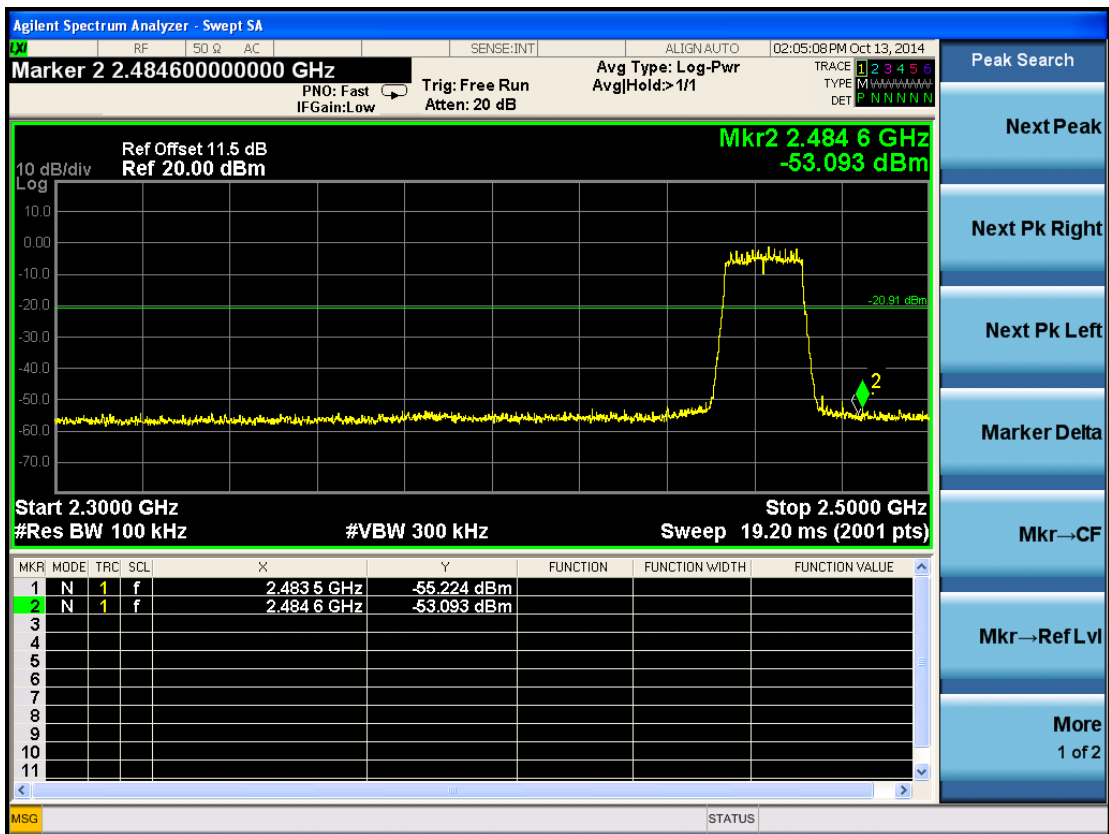
802.11n20-2437



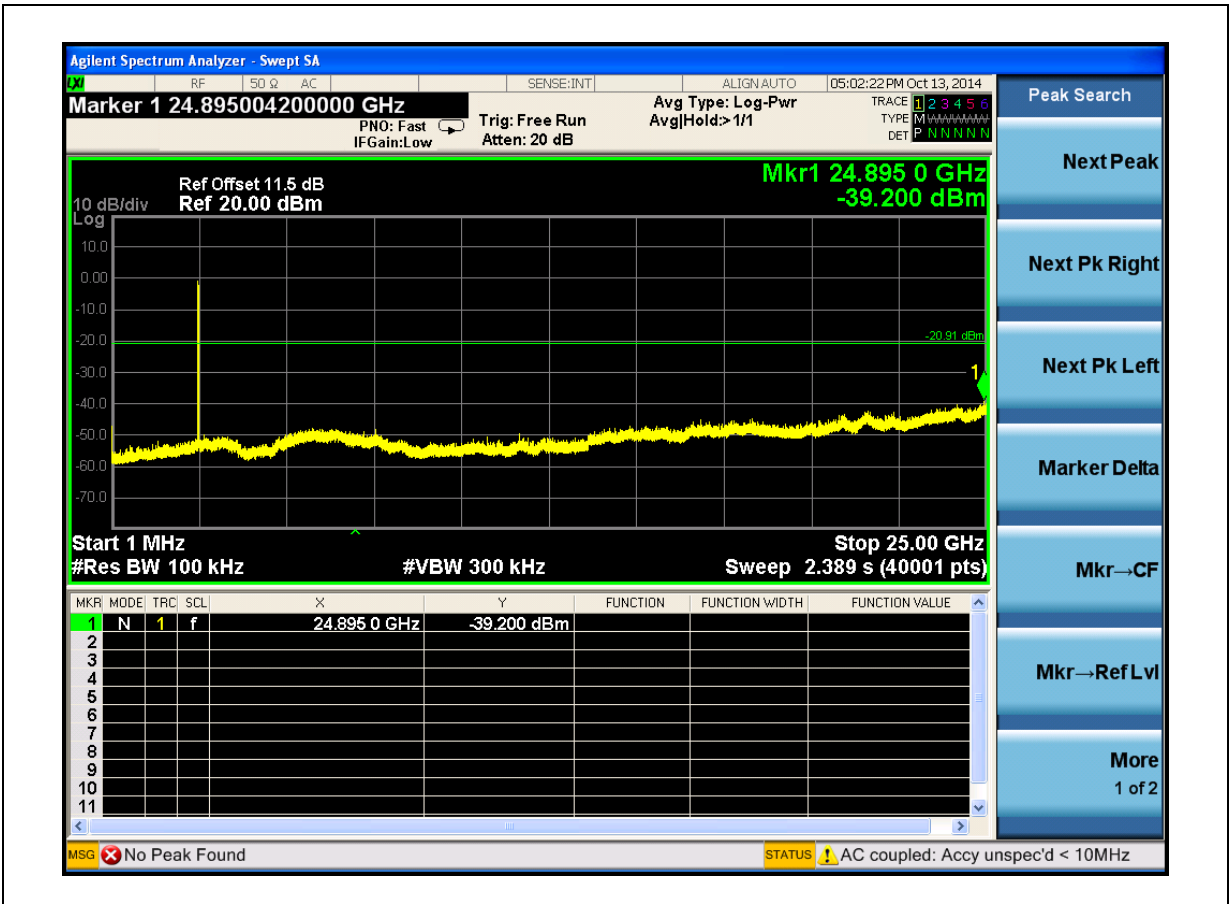
802.11n20-2462



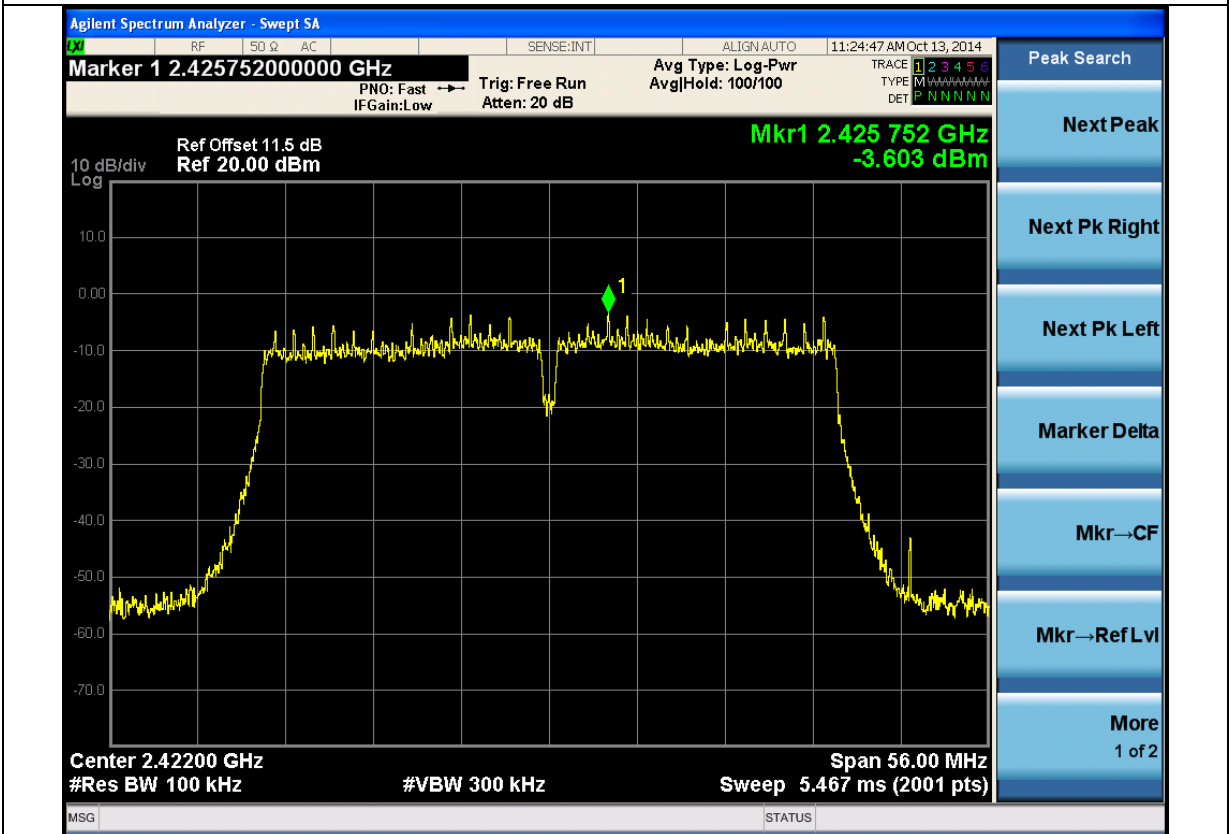
- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2

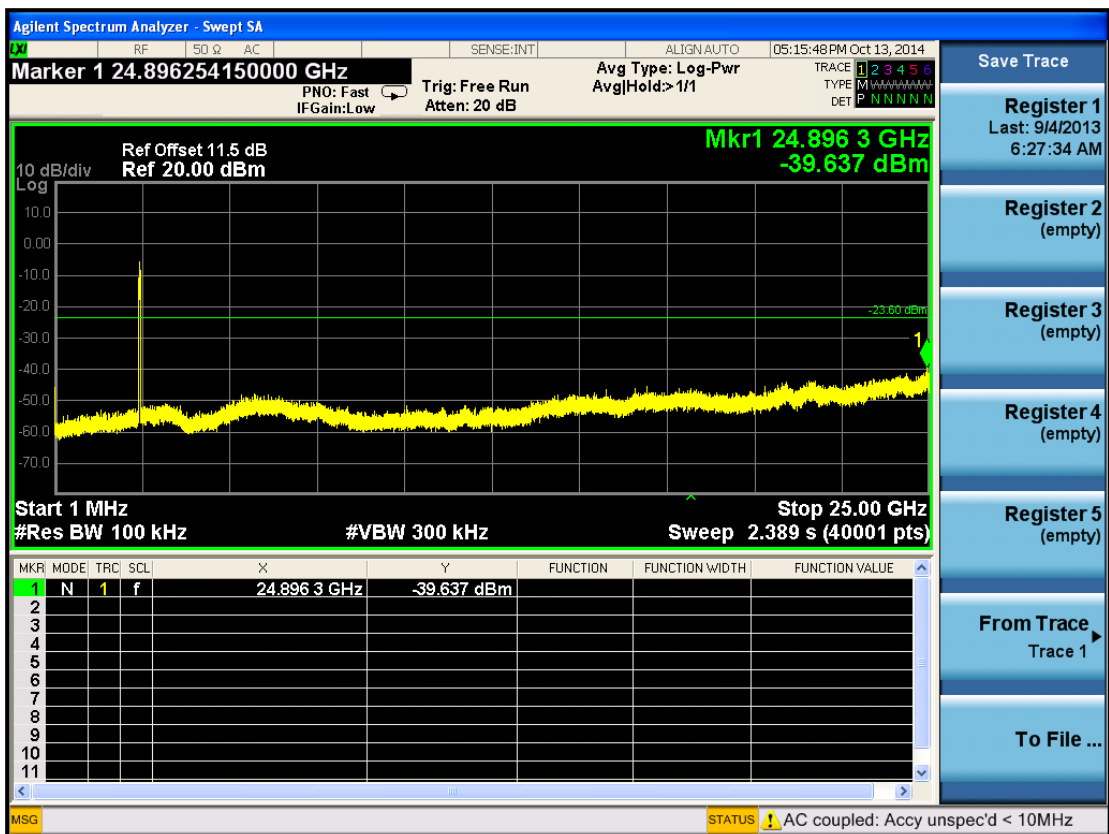
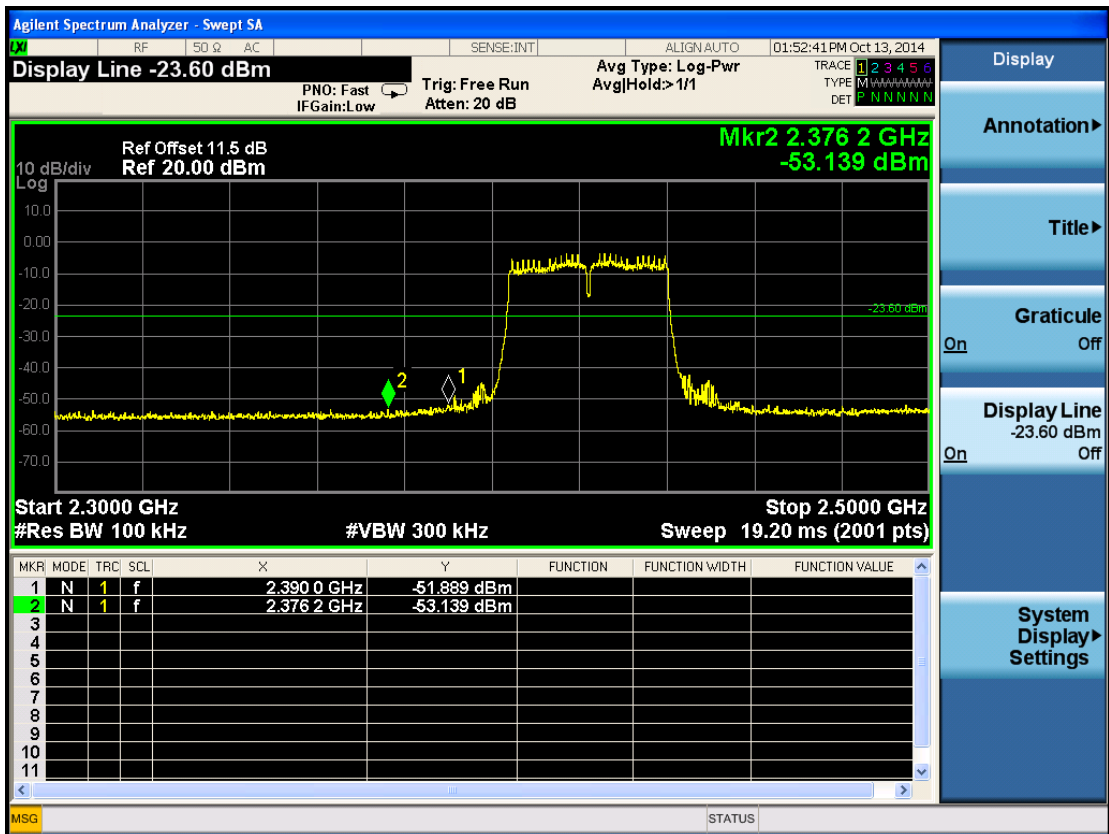


- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2

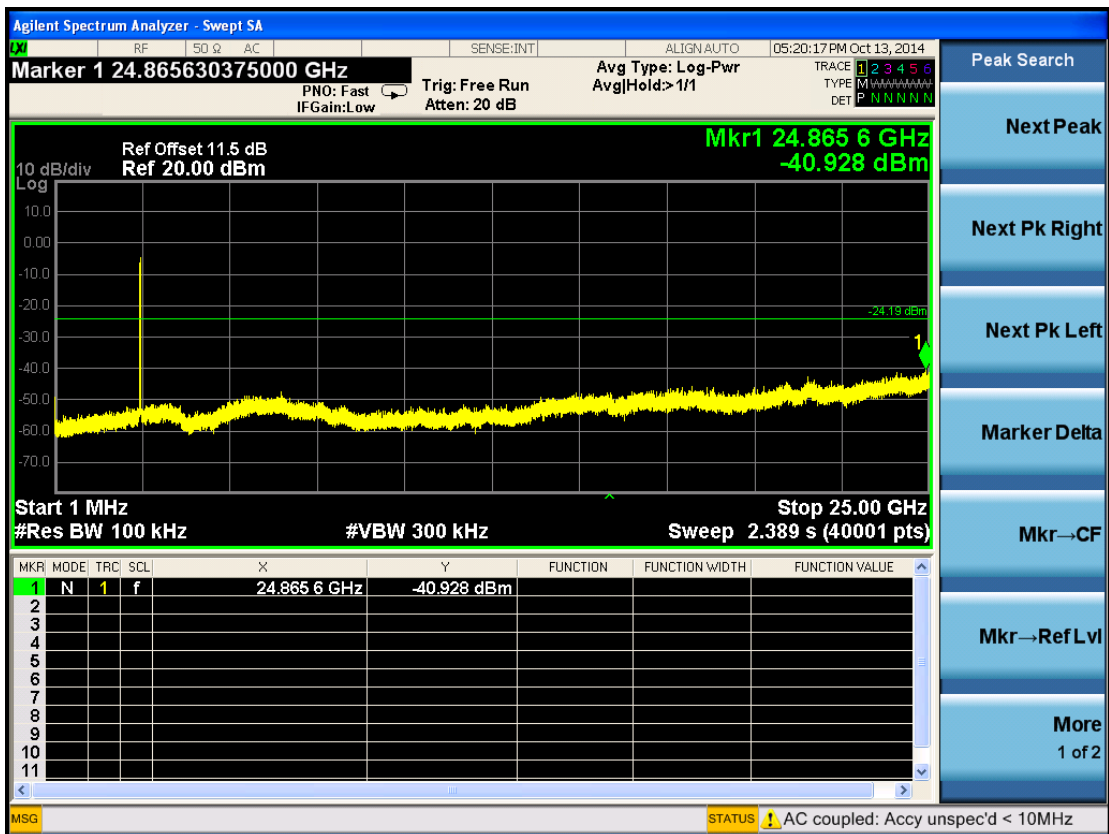
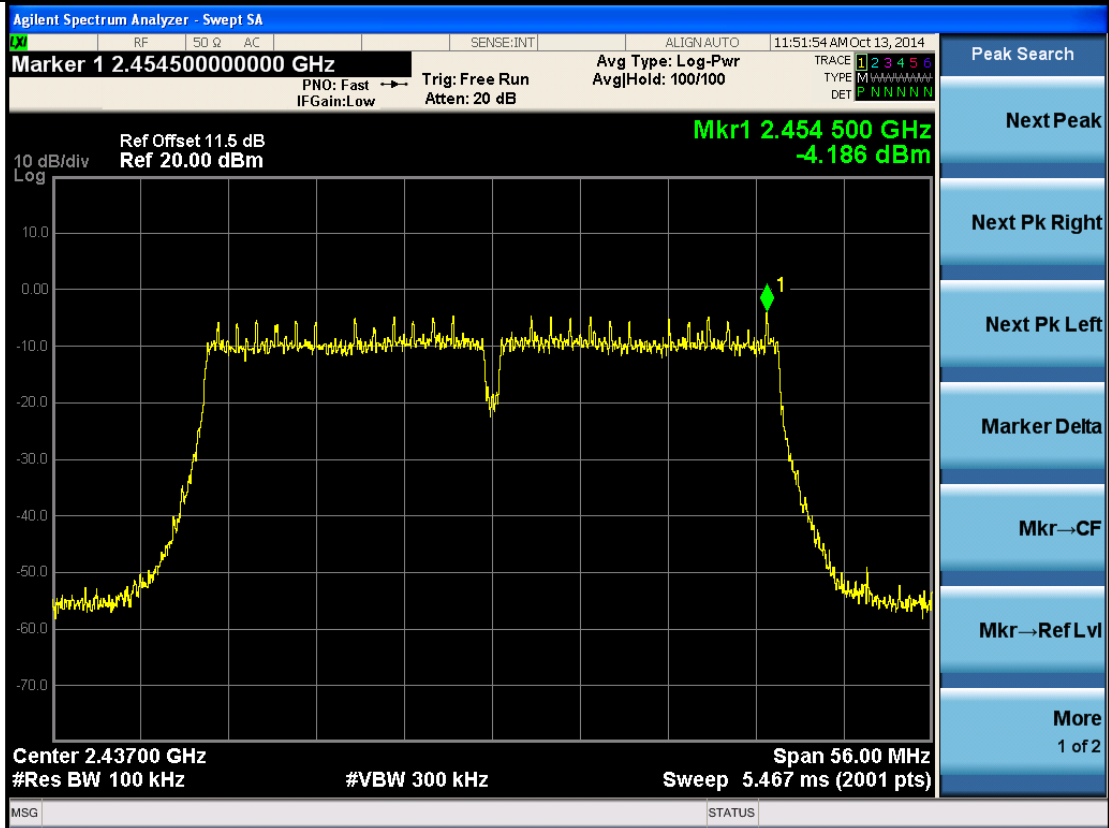


802.11n40-2422

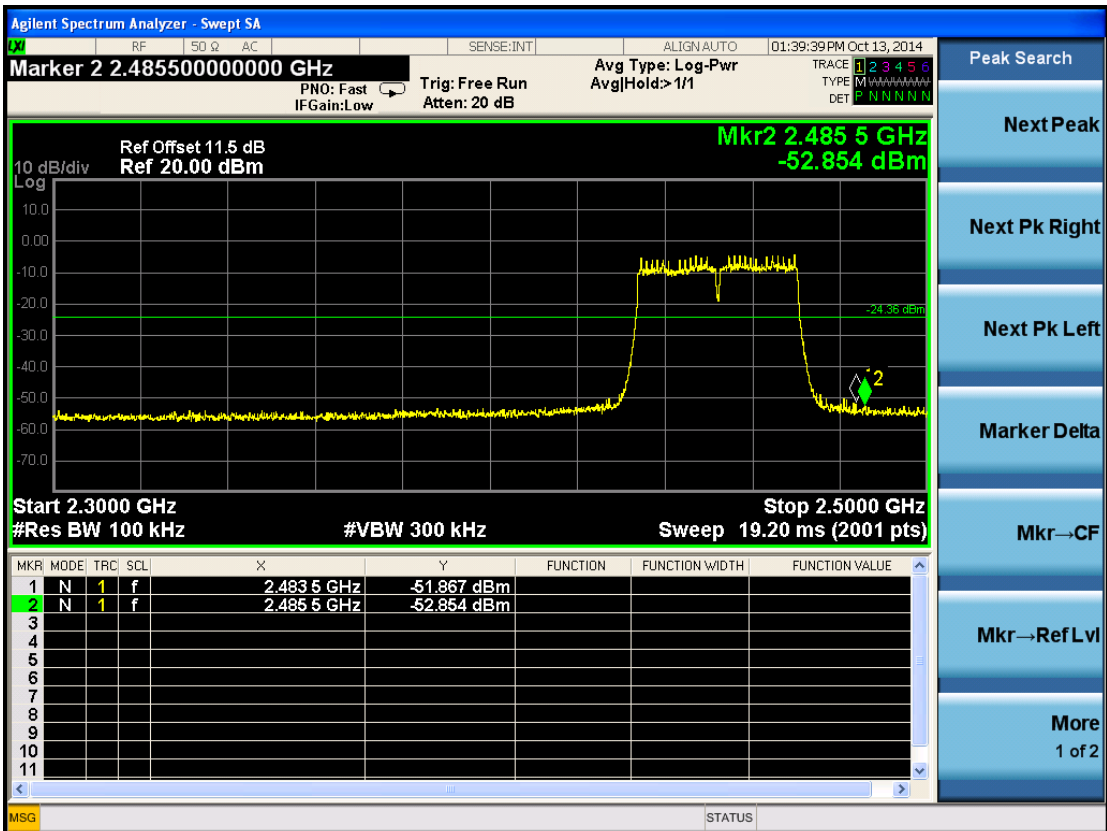
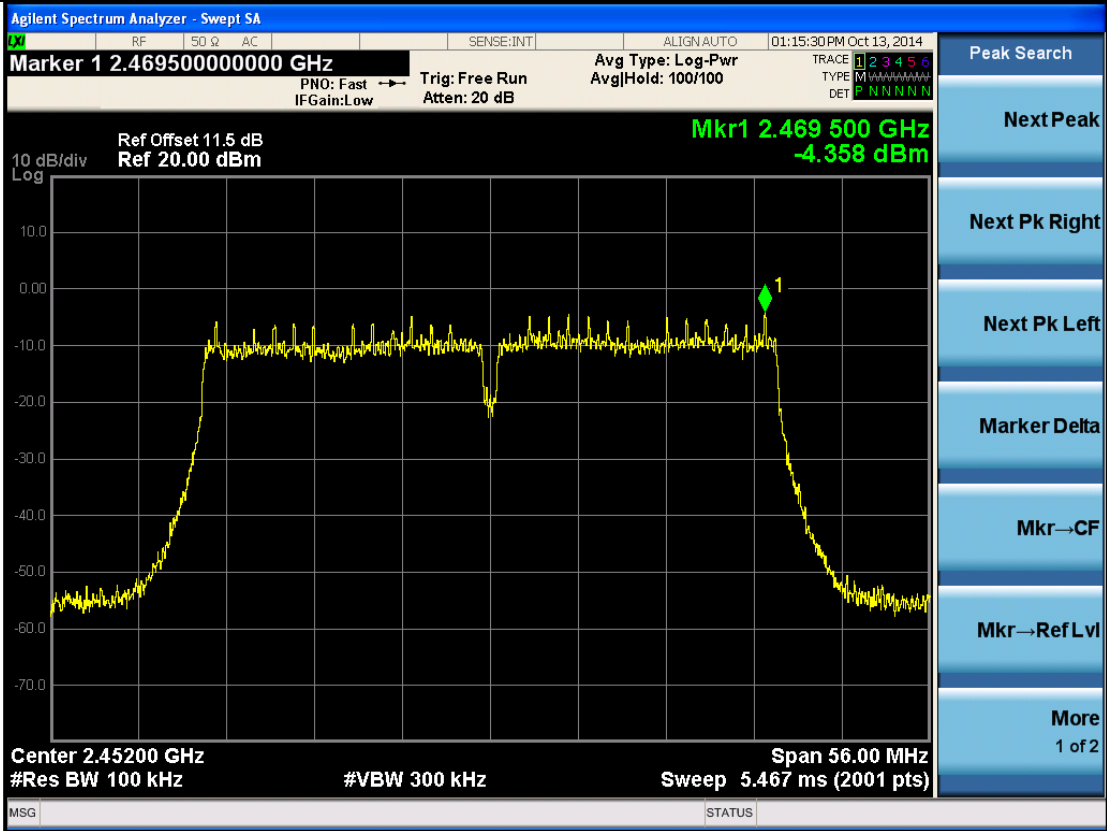


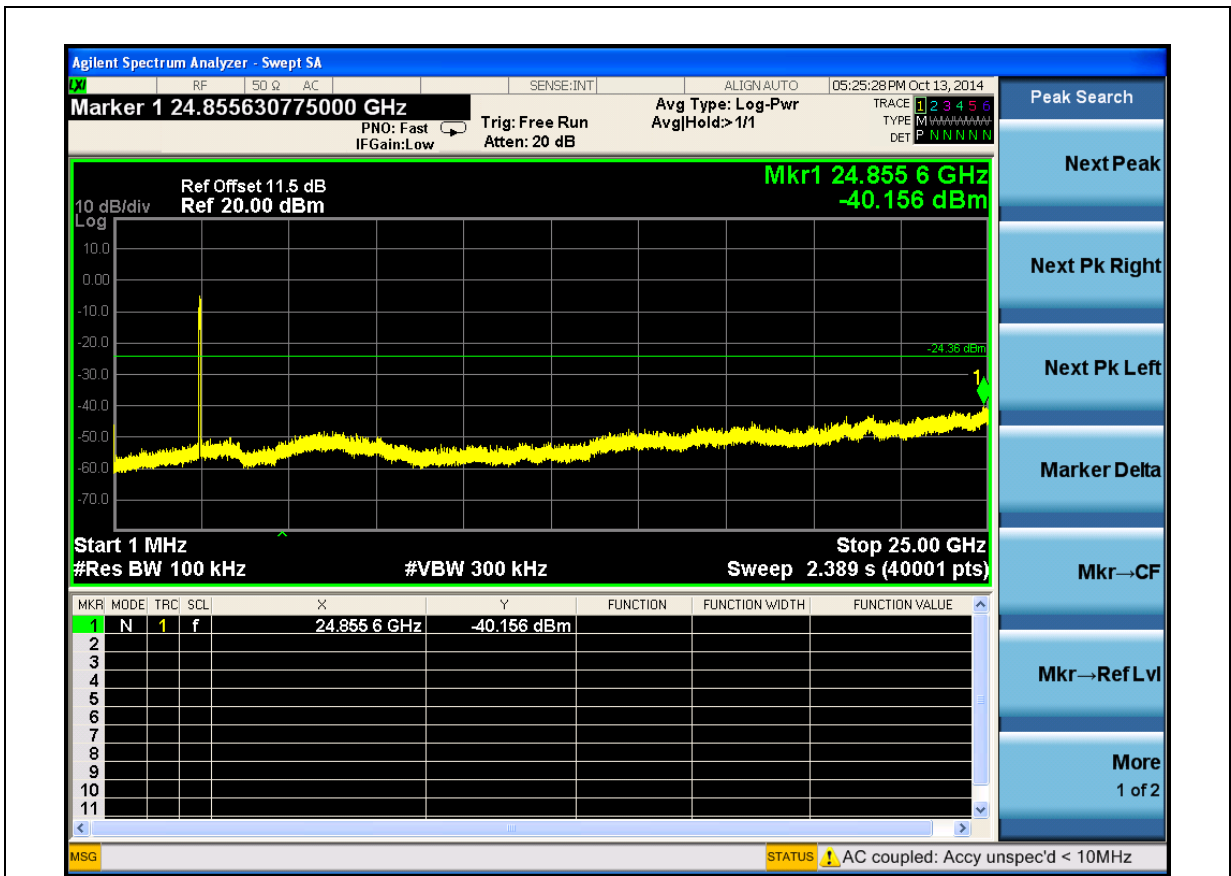


802.11n40-2437



802.11n40-2452





8. Power line conducted emission

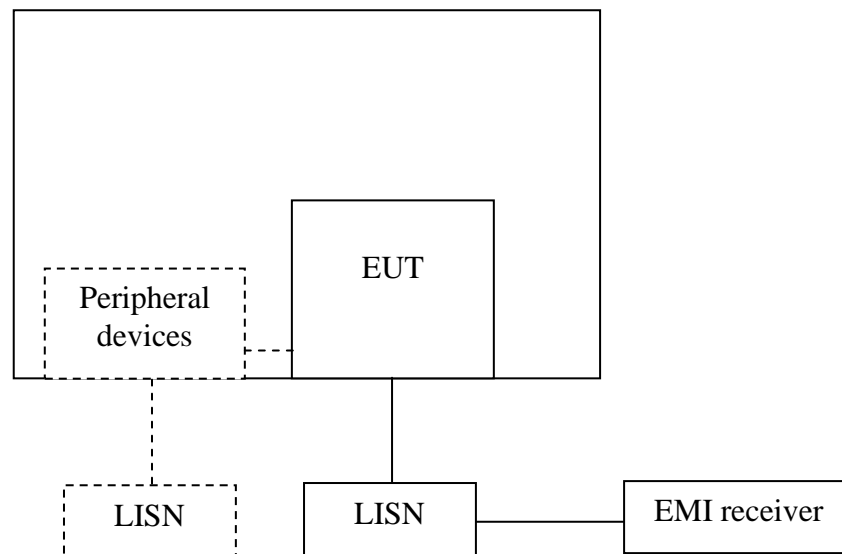
Test result: Pass

8.1 Limit

| Frequency of Emission (MHz) | Conducted Limit (dBuV) | |
|-----------------------------|------------------------|------------|
| | QP | AV |
| 0.15-0.5 | 66 to 56* | 56 to 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

* Decreases with the logarithm of the frequency.

8.2 Test configuration



For table top equipment, wooden support is 0.8m height table

For floor standing equipment, wooden support is 0.1m height rack.

8.3 Test procedure and test set up



The EUT are connected to the main power through a line impedance stabilization network (LISN). This provides a 50Ω/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50Ω/50uH coupling impedance with 50Ω termination.

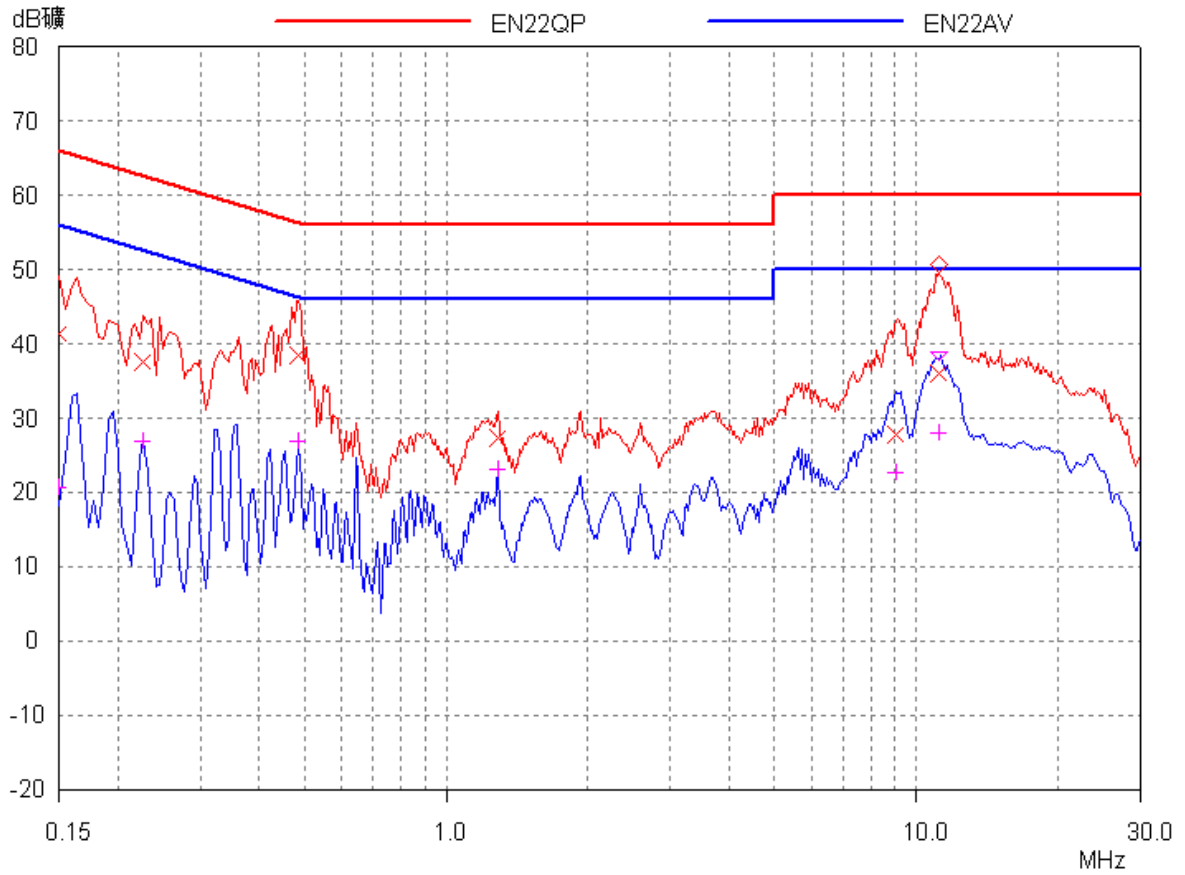
Both sides (Line and Neutral) of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4 on conducted measurement. The bandwidth of the test receiver is set at 9 kHz.

8.4 Test protocol

Temperature : 25°C

Relative Humidity : 55 %

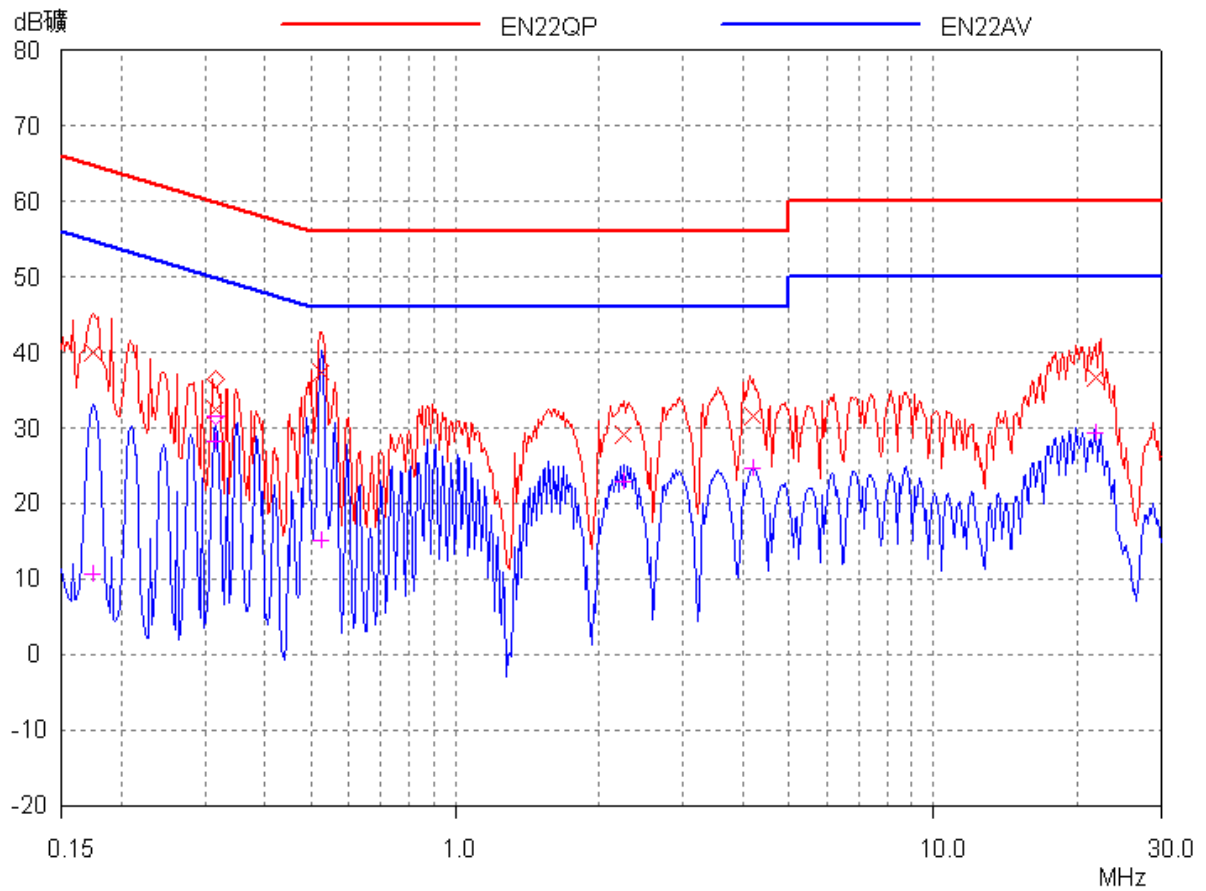
Mains Power



| Frequency | Correct Factor (dB) | Corrected Reading (dBuV) | | Limit (dBuV) | | Margin (dB) | |
|-----------|---------------------|--------------------------|-------|--------------|-------|-------------|-------|
| | | QP | AV | QP | AV | QP | AV |
| 0.15 (N) | 3.00 | 41.26 | 20.57 | 66.00 | 56.00 | 24.74 | 35.43 |
| 0.23 (L) | 3.00 | 37.59 | 26.81 | 62.58 | 52.58 | 24.99 | 25.77 |
| 0.48 (L) | 3.00 | 38.38 | 26.89 | 56.29 | 46.29 | 17.91 | 19.40 |
| 1.28 (N) | 3.00 | 27.30 | 23.10 | 56.00 | 46.00 | 28.70 | 2.90 |
| 8.98 (L) | 3.00 | 27.79 | 22.60 | 60.00 | 50.00 | 32.21 | 27.40 |
| 11.09 (L) | 3.00 | 35.96 | 27.99 | 60.00 | 50.00 | 24.04 | 22.01 |

Remark: 1. Correction Factor (dB) = LISN Factor (dB) + Cable Loss (dB).
2. Margin (dB) = Limit - Corrected Reading.

POE Power



| Frequency | Correct Factor (dB) | Corrected Reading (dBuV) | | Limit (dBuV) | | Margin (dB) | |
|-----------|---------------------|--------------------------|-------|--------------|-------|-------------|-------|
| | | QP | AV | QP | AV | QP | AV |
| 0.17 (N) | 3.00 | 40.00 | 10.70 | 64.77 | 54.77 | 24.77 | 44.07 |
| 0.31 (N) | 3.00 | 32.35 | 28.26 | 59.87 | 49.87 | 27.52 | 21.61 |
| 0.52 (L) | 3.00 | 37.35 | 15.20 | 56.00 | 46.00 | 18.65 | 30.80 |
| 2.24 (N) | 3.00 | 29.05 | 22.85 | 56.00 | 46.00 | 26.95 | 23.15 |
| 4.17 (L) | 3.00 | 31.54 | 24.63 | 56.00 | 46.00 | 24.46 | 21.37 |
| 21.78 (N) | 3.00 | 36.60 | 29.40 | 60.00 | 50.00 | 23.40 | 20.60 |

Remark: 1. Correction Factor (dB) = LISN Factor (dB) + Cable Loss (dB).
2. Margin (dB) = Limit - Corrected Reading.