

5. CONDUCTED SPURIOUS EMISSIONS

5.1. Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|-------------------|--------------|-------------|------------|------------|---------------|
| 1. | Spectrum | Agilent | N9030A | MY51380221 | Oct.29, 14 | 1 Year |
| 2. | Attenuator (20dB) | Agilent | 8491B | MY39262165 | Apr. 28,14 | 1 Year |
| 3. | RF Cable | Hubersuhner | SUCOFLEX102 | 28620/2 | Apr. 28,14 | 1 Year |

5.2. Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

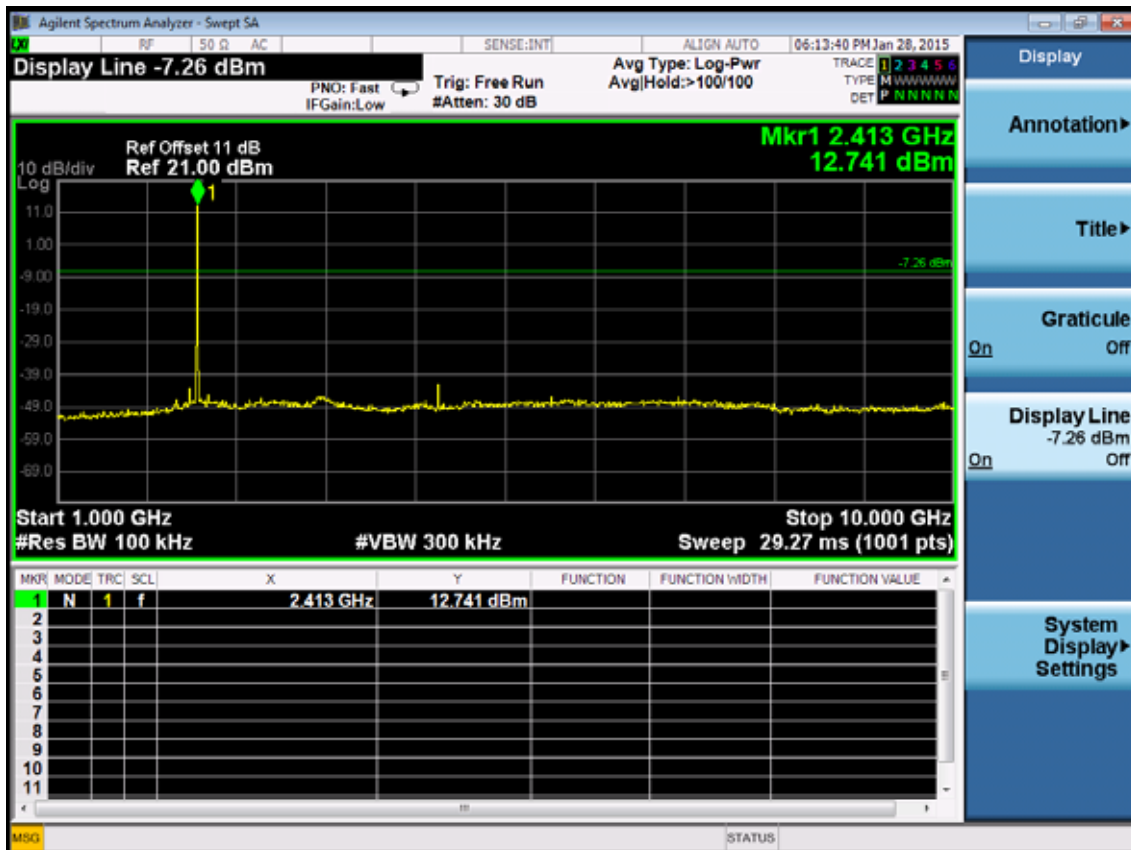
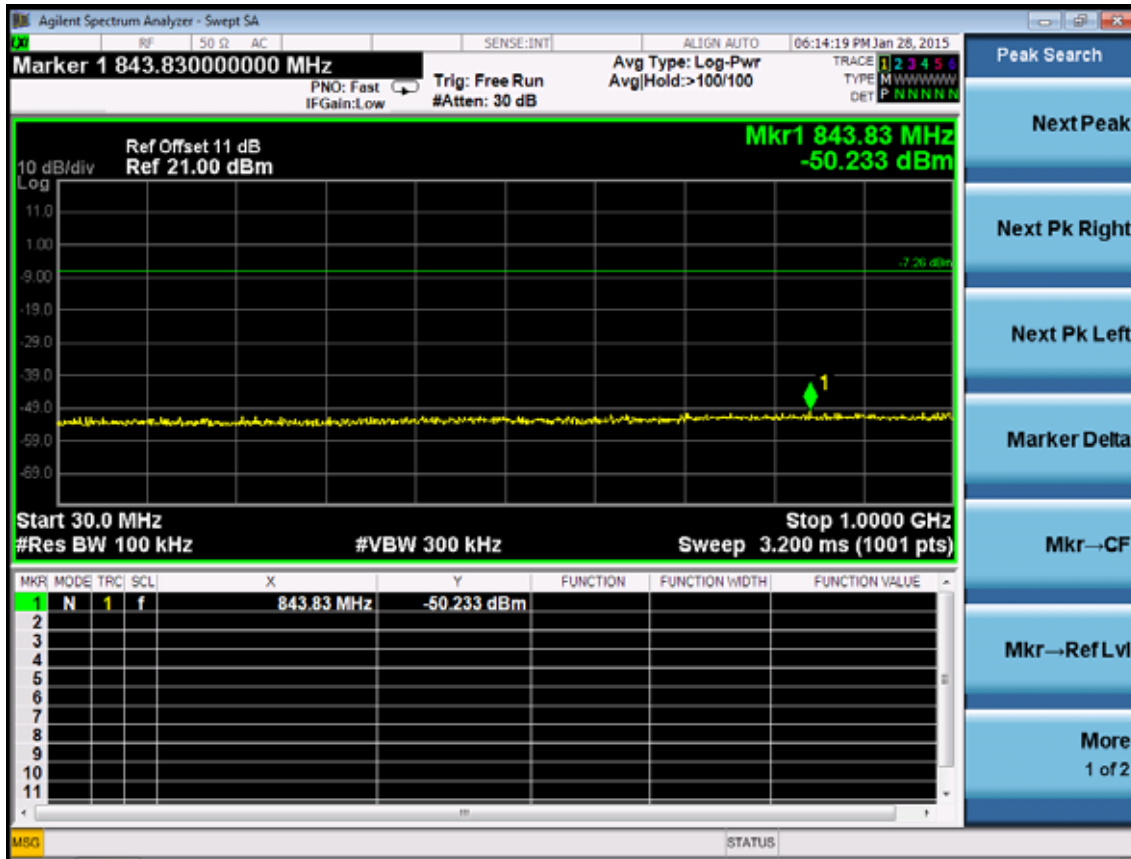
5.3. Test Procedure

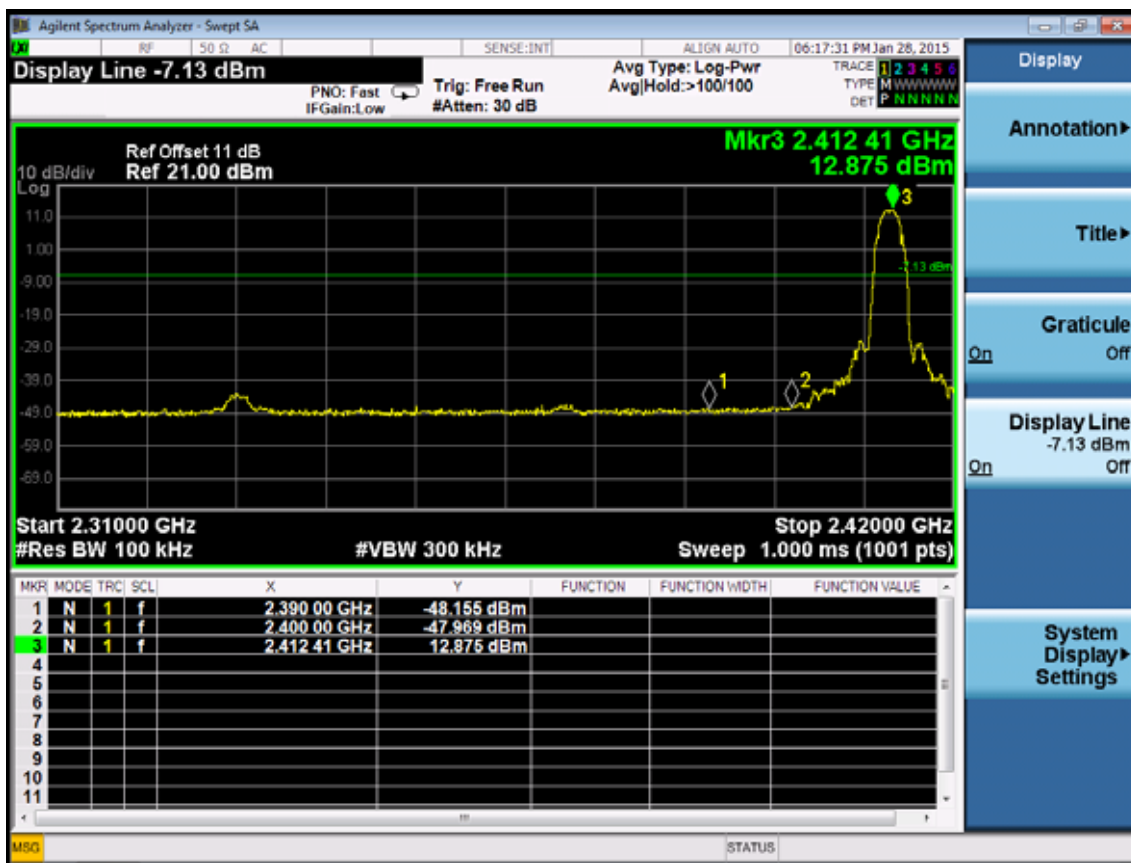
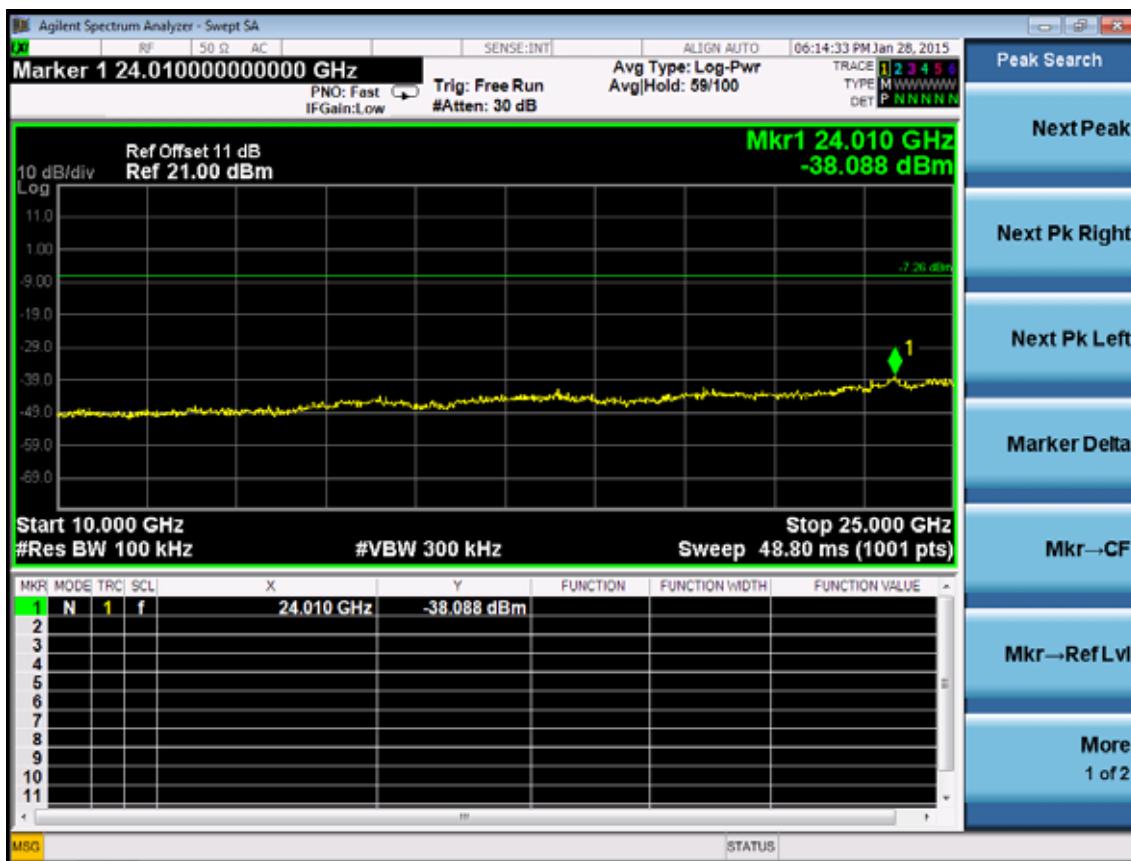
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

5.4. Test result

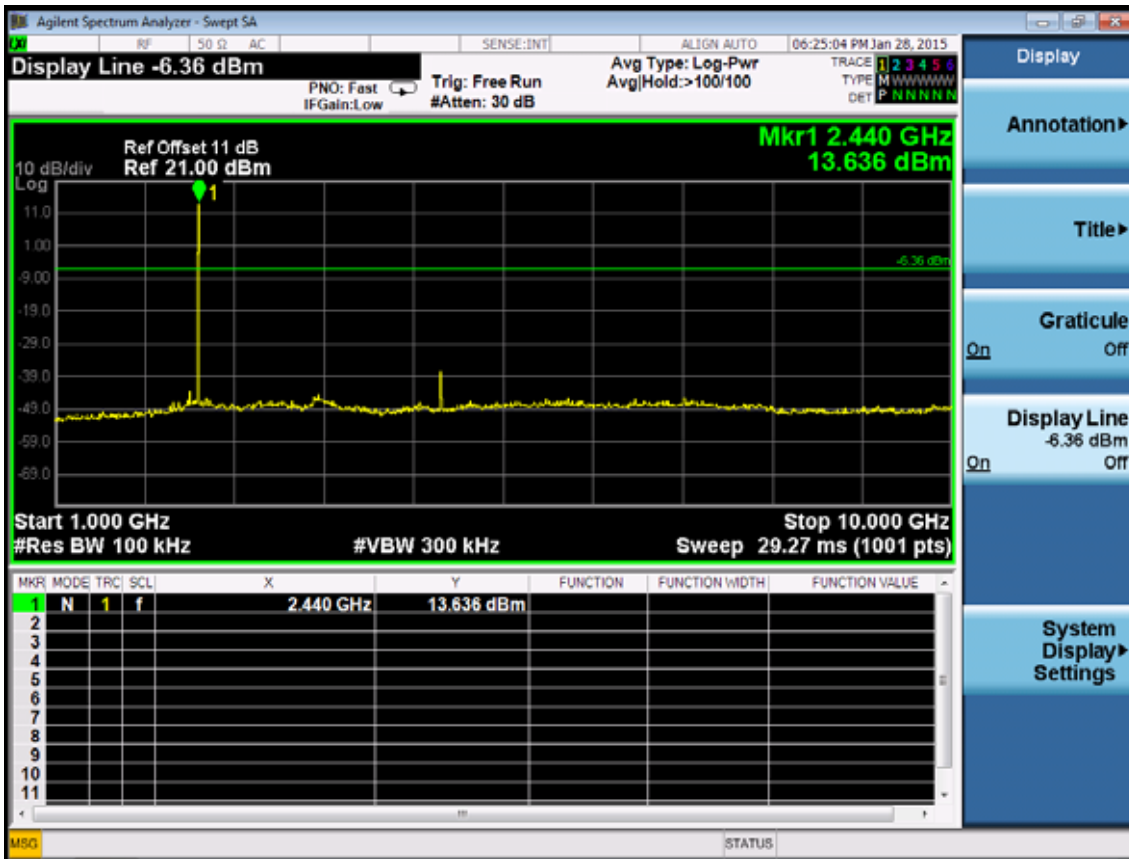
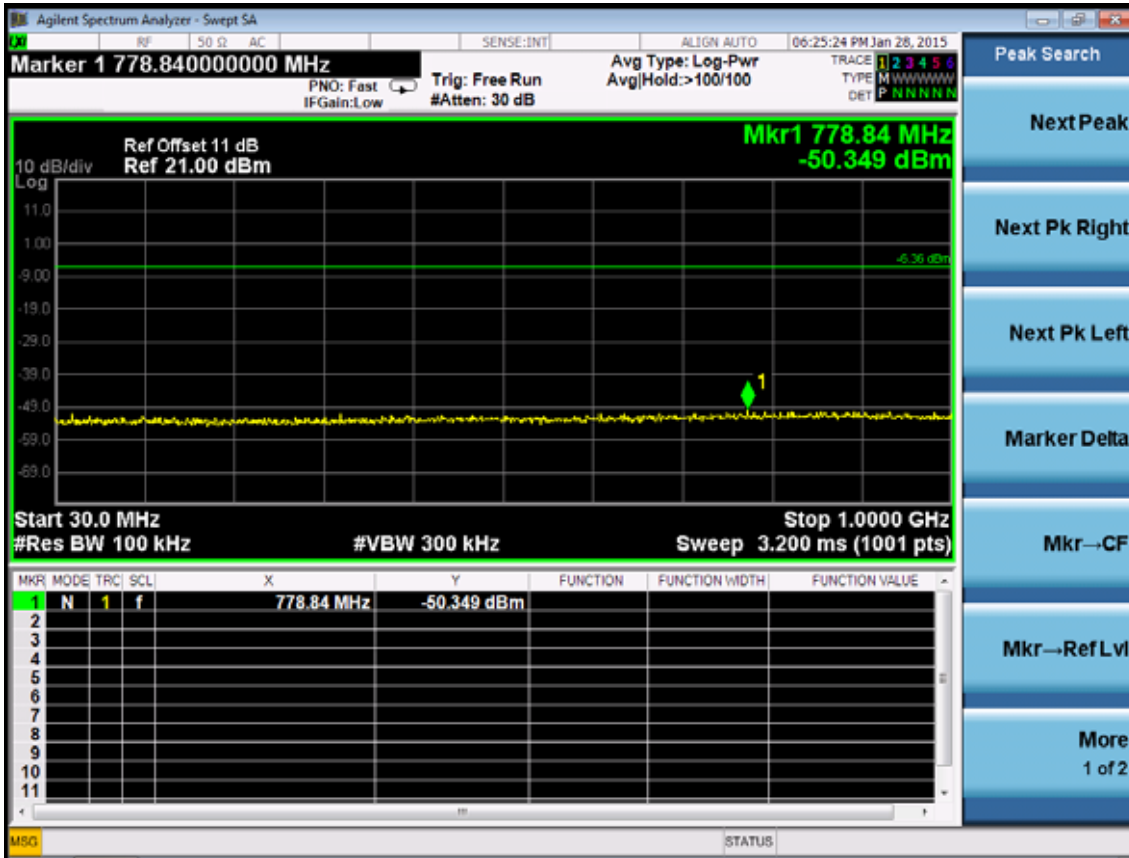
PASS (The testing data was attached in the next pages.)

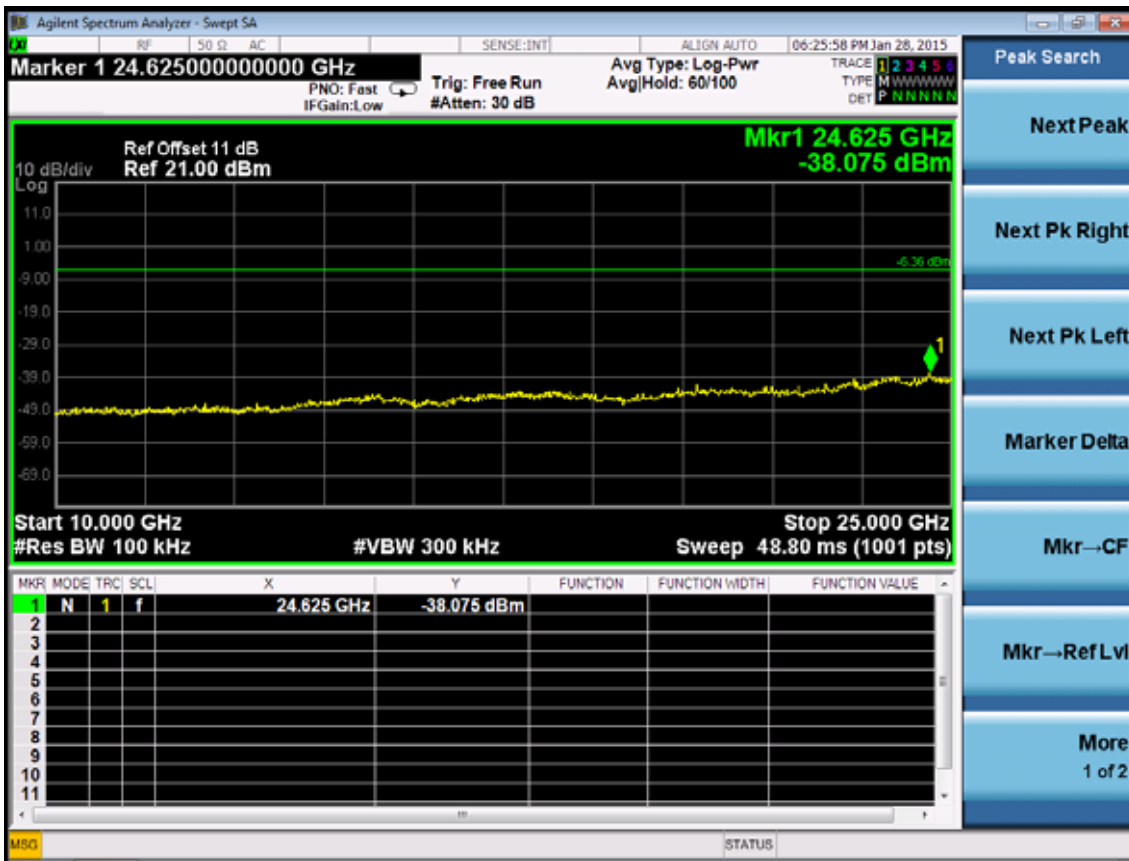
Conducted emission test data:
5MHz Antenna 1
 Test Mode: IEEE 802.11b
 Test CH1: 2412MHz



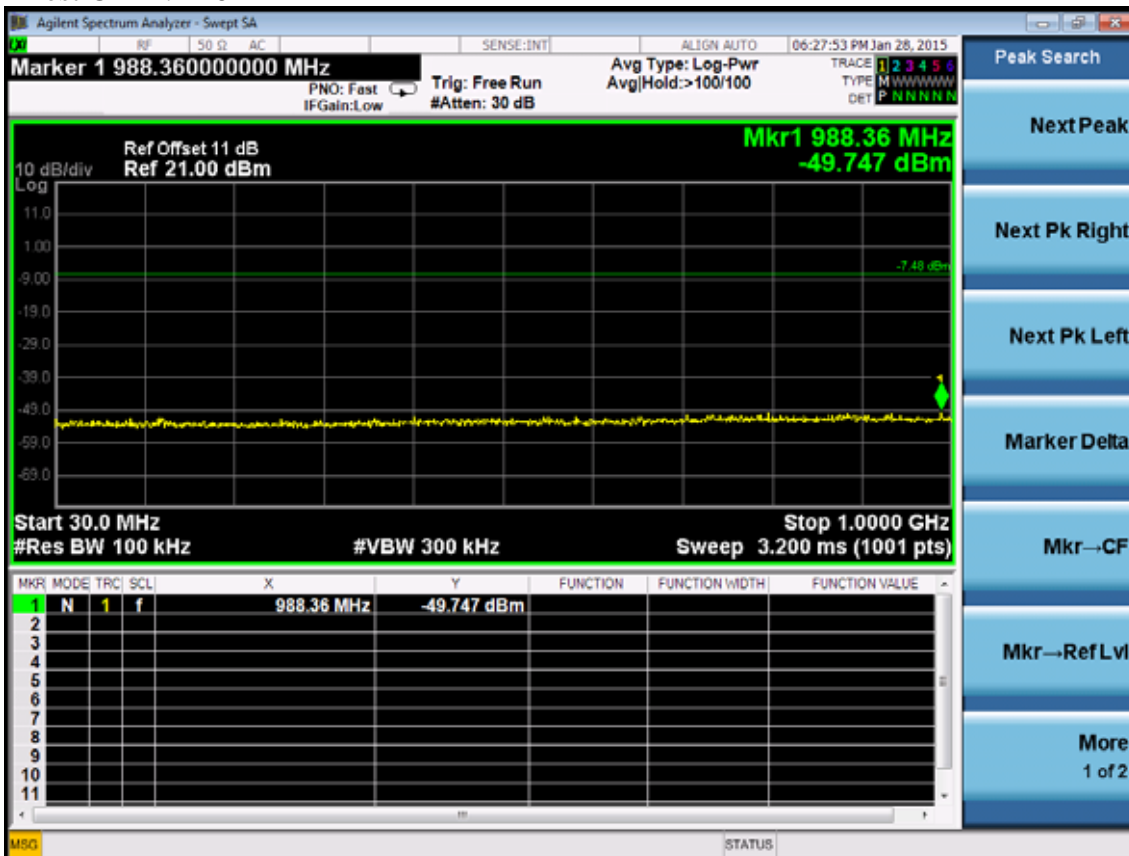


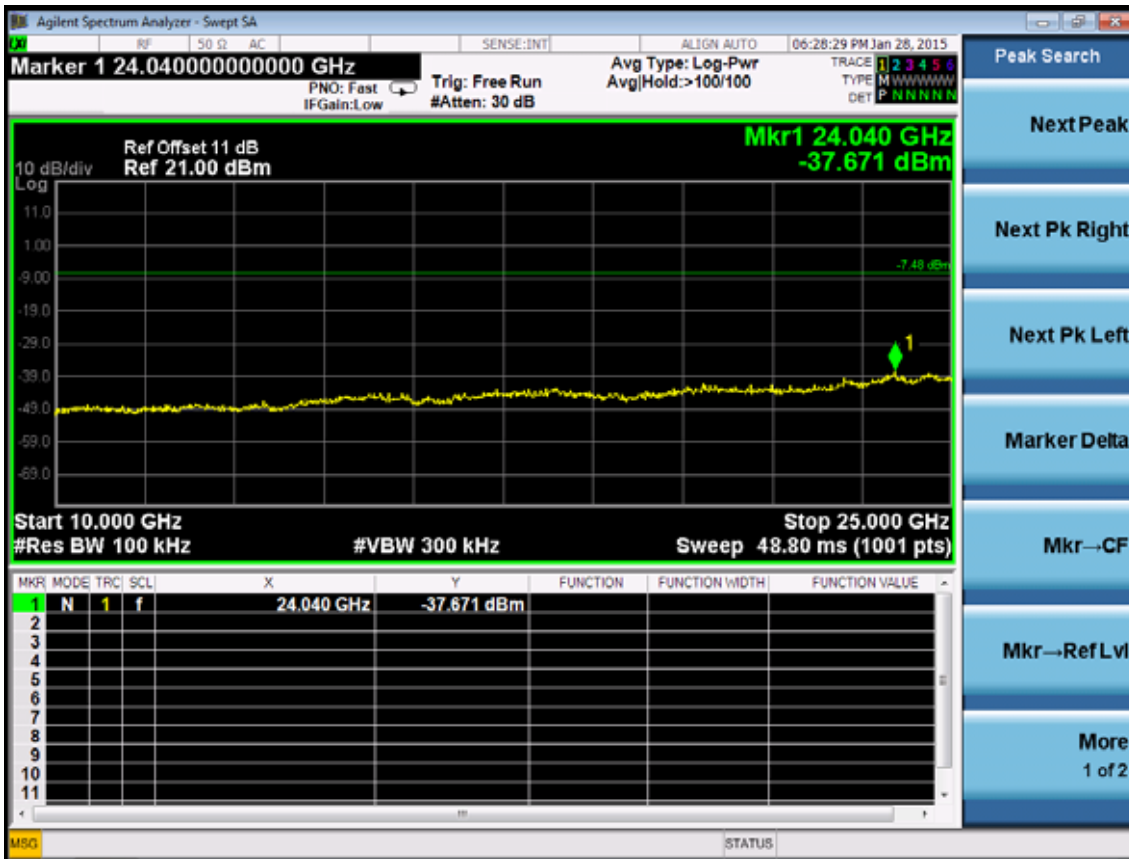
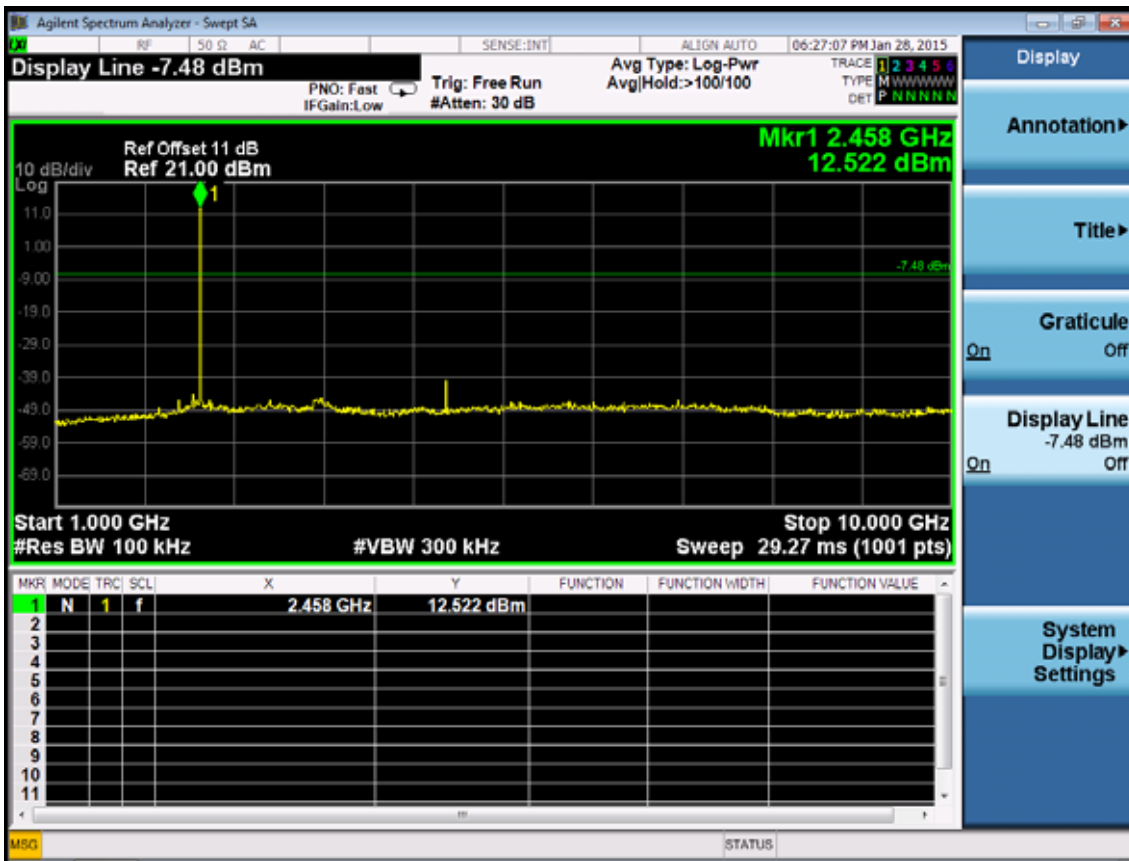
Test CH6: 2437MHz





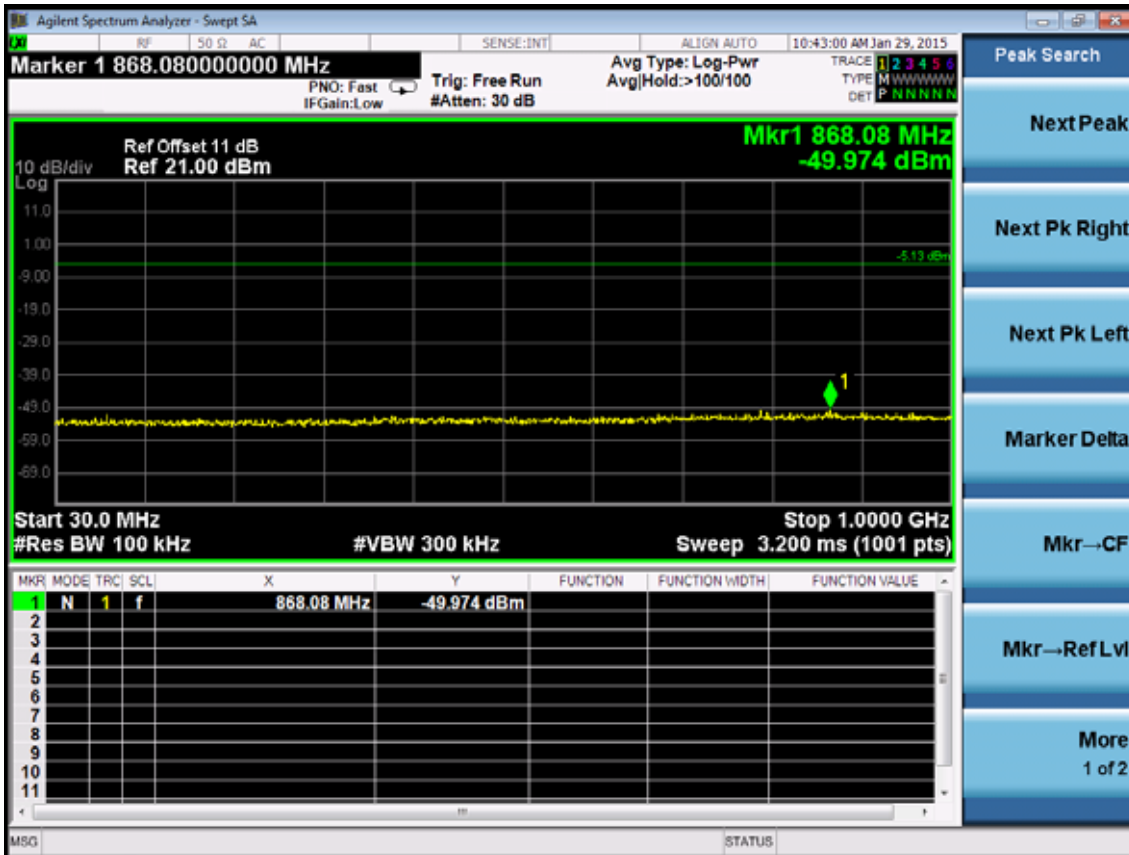
Test CH11: 2462MHz

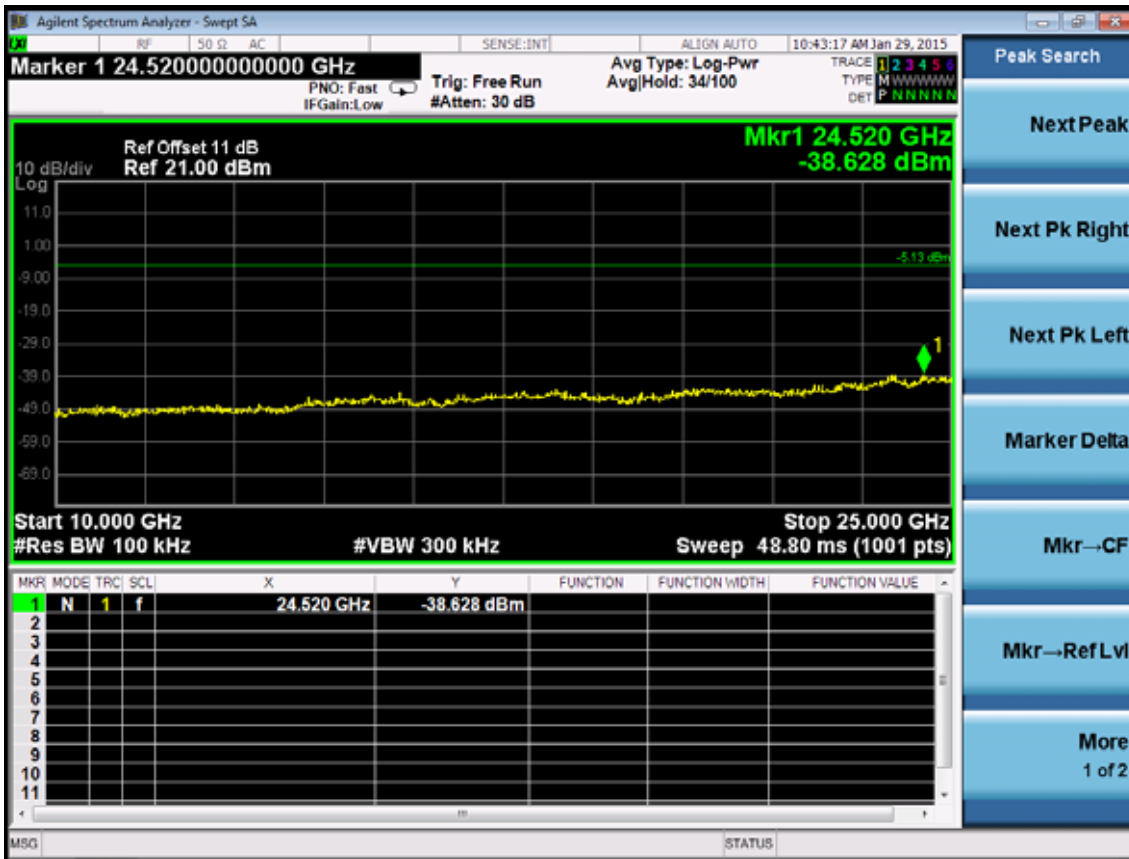
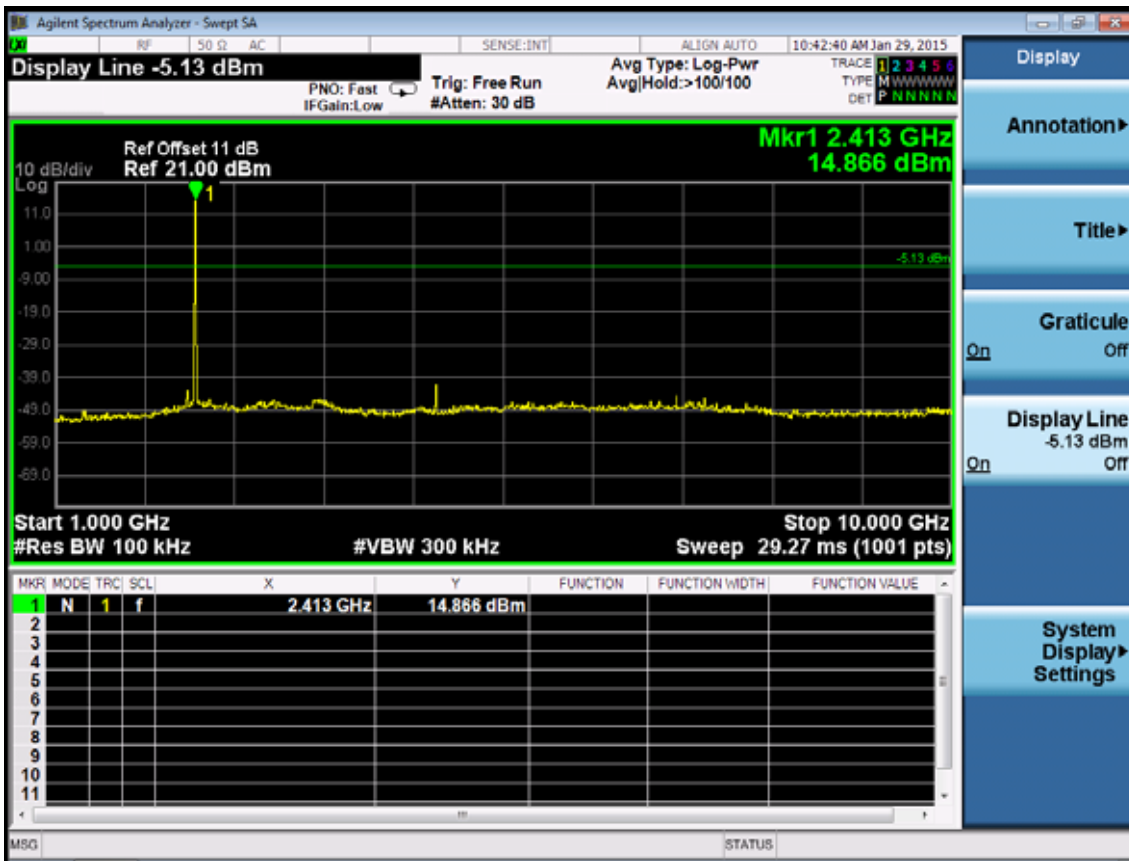


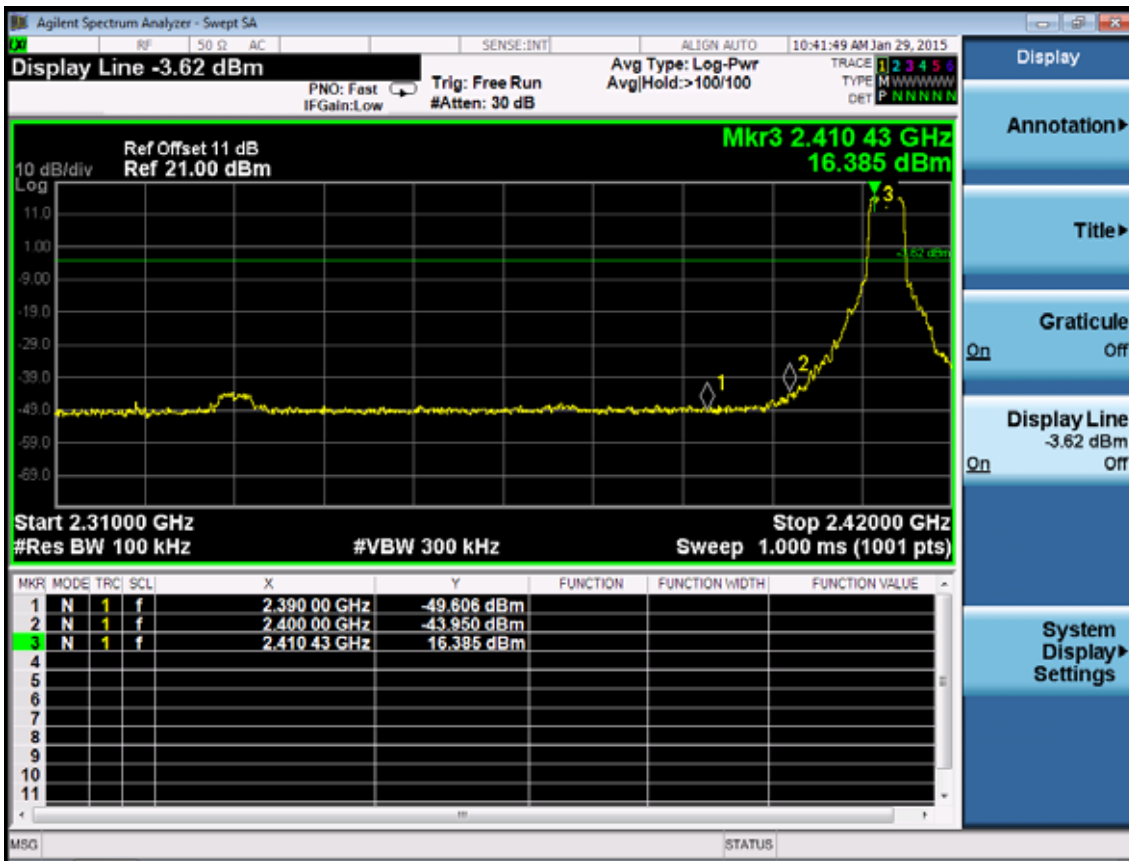




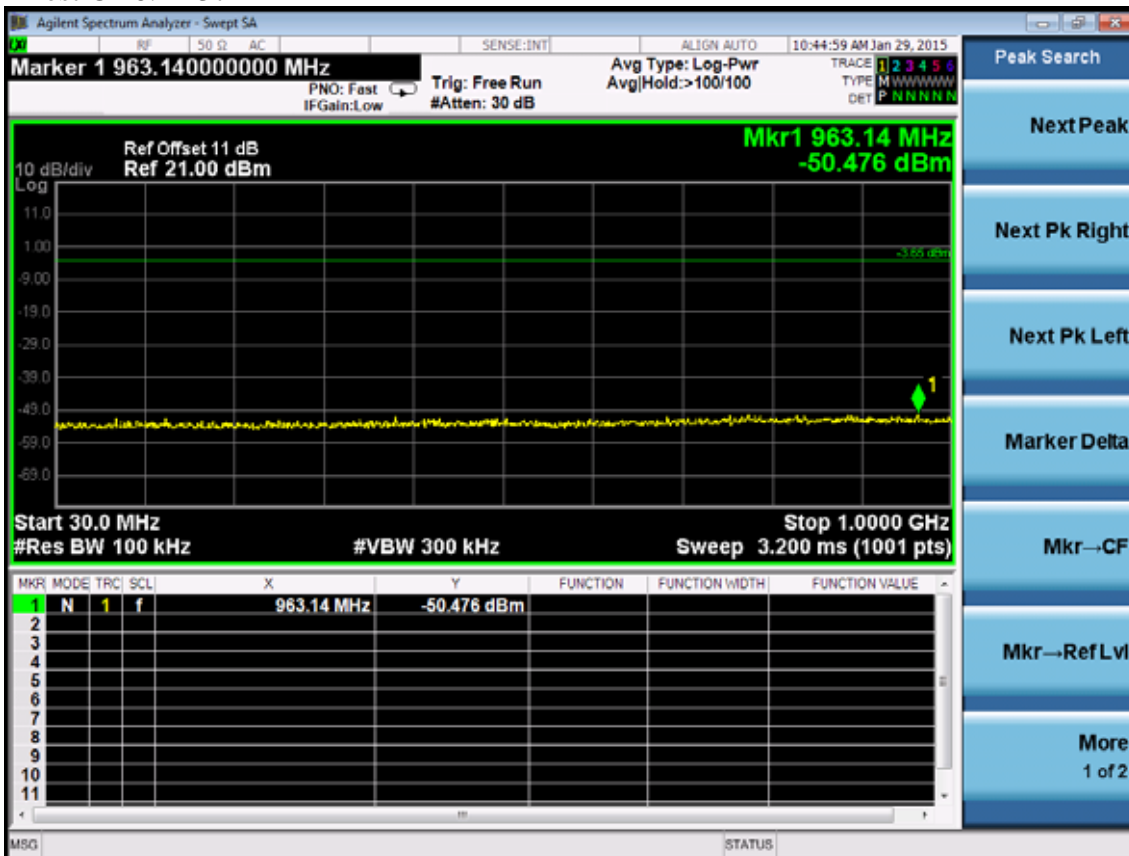
Test Mode: IEEE 802.11g
Test CH1: 2412MHz

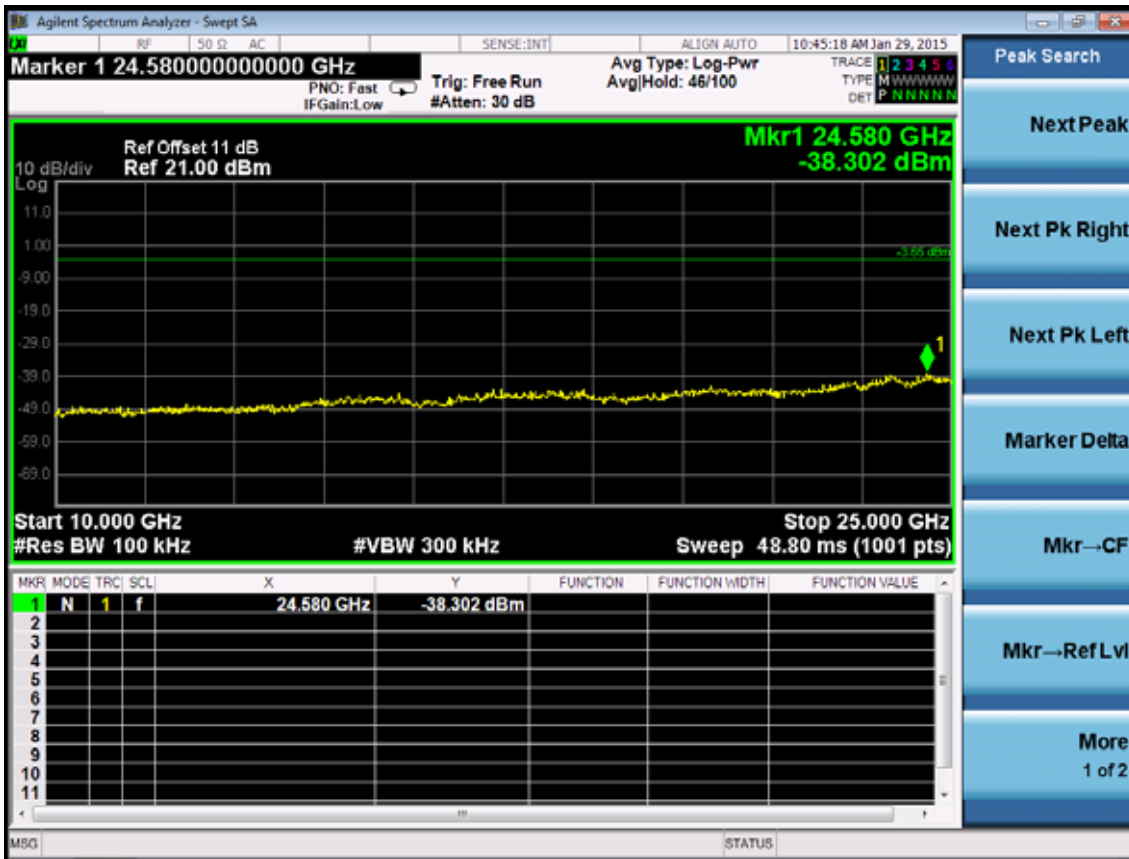
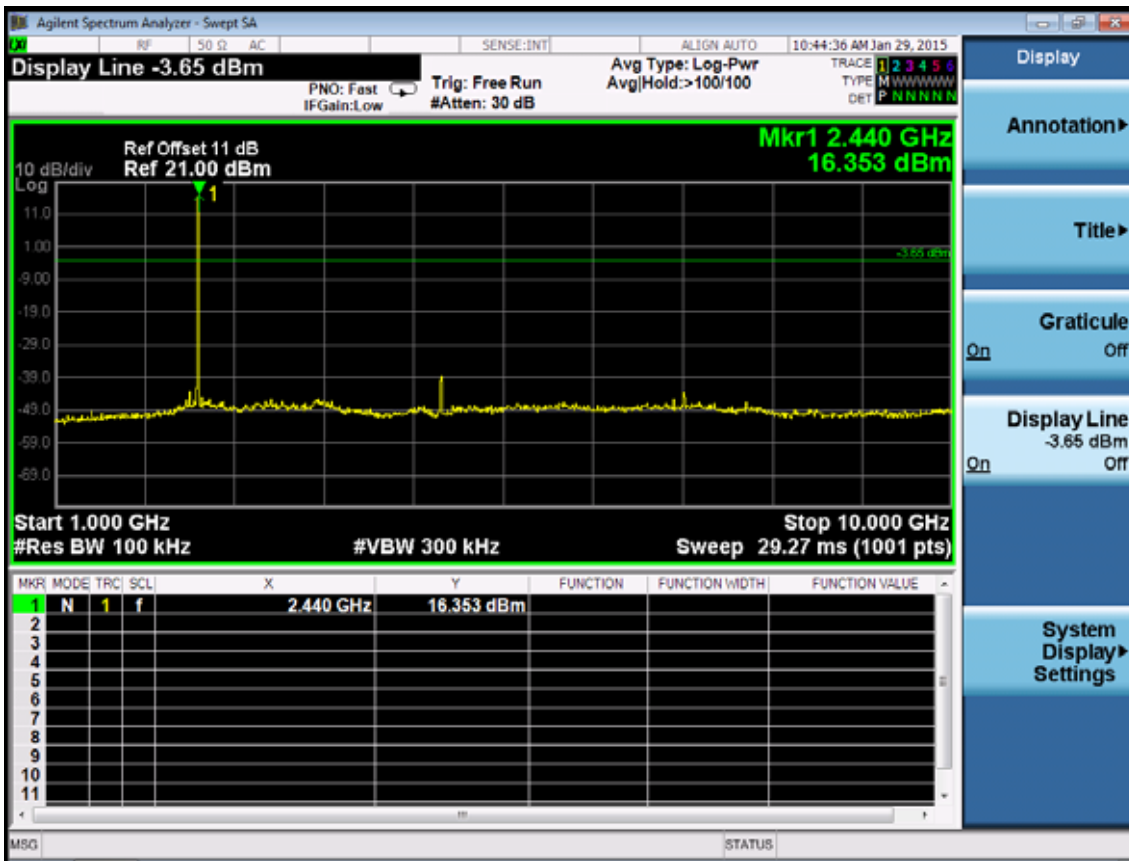




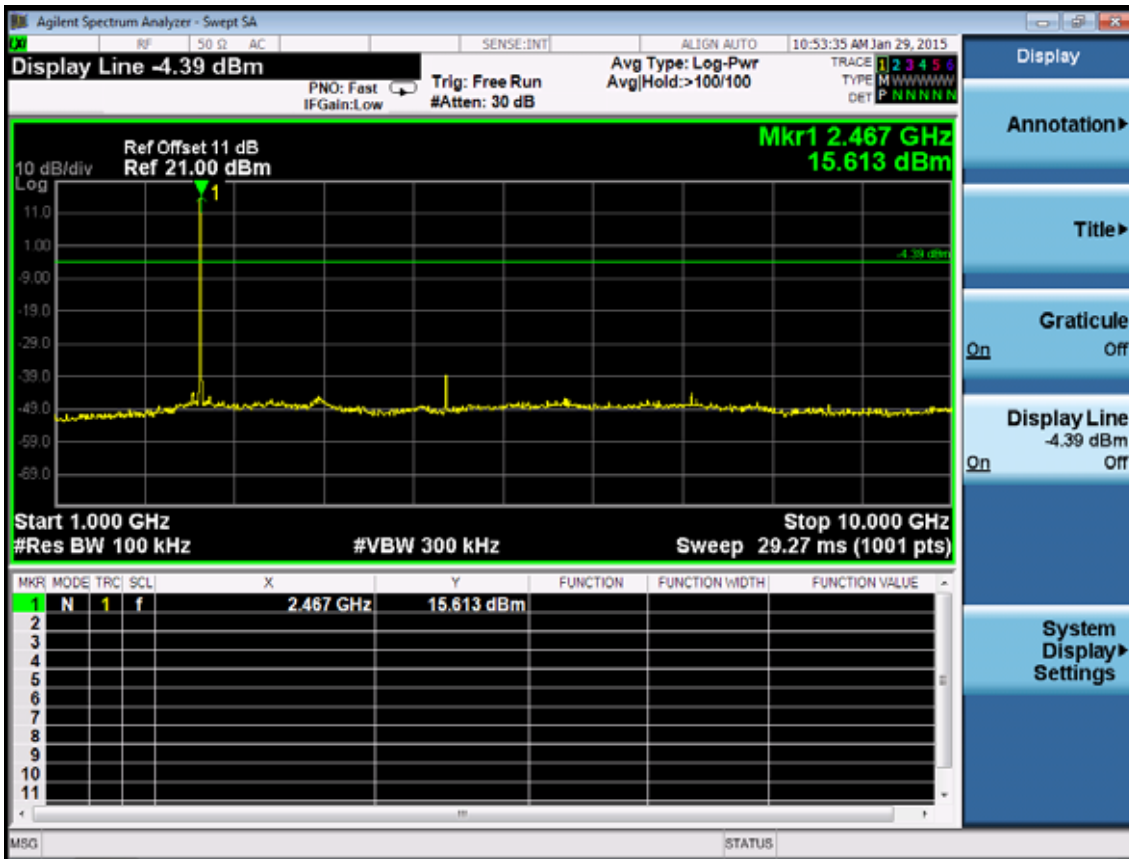
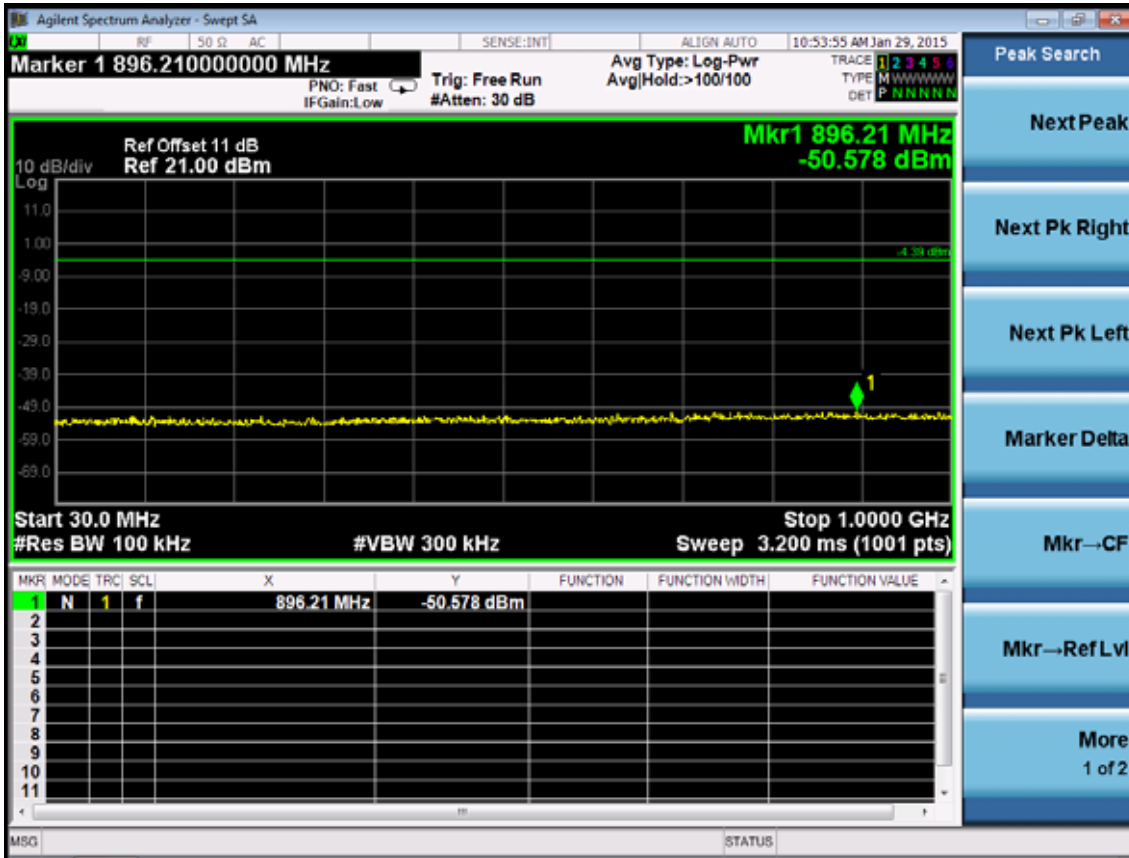


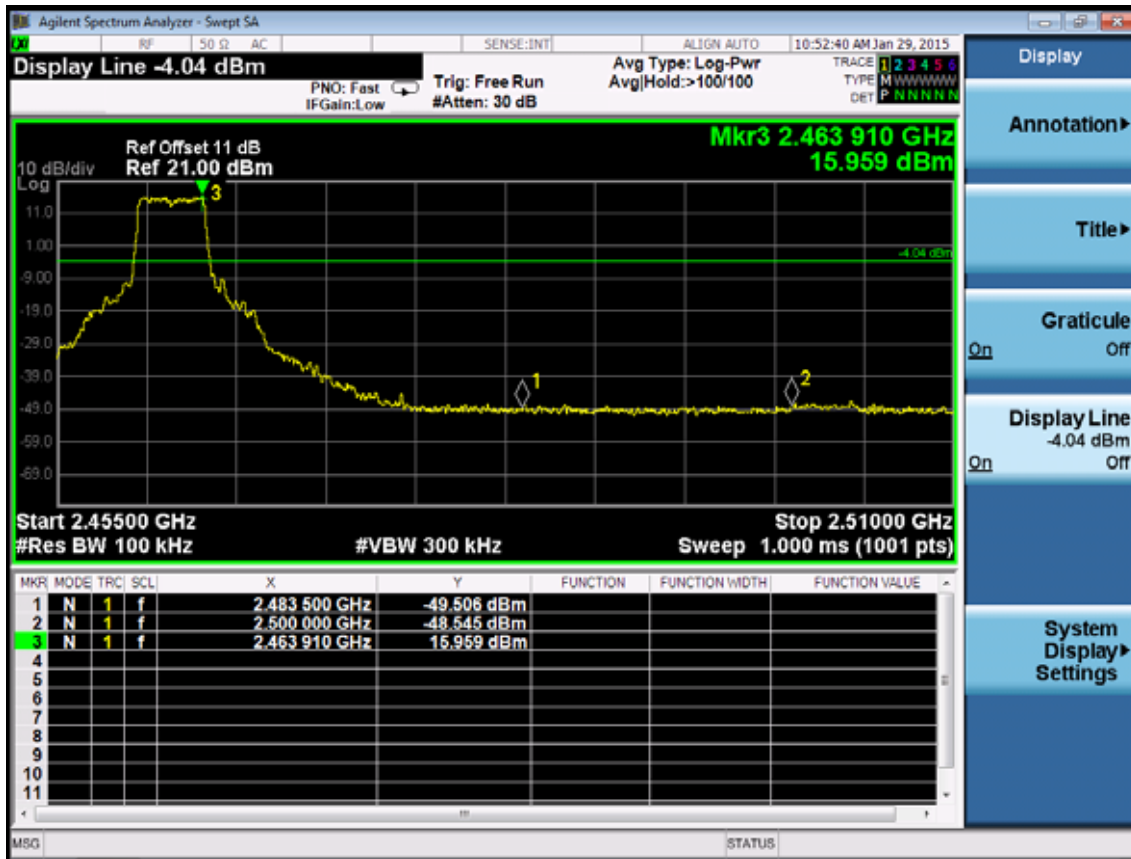
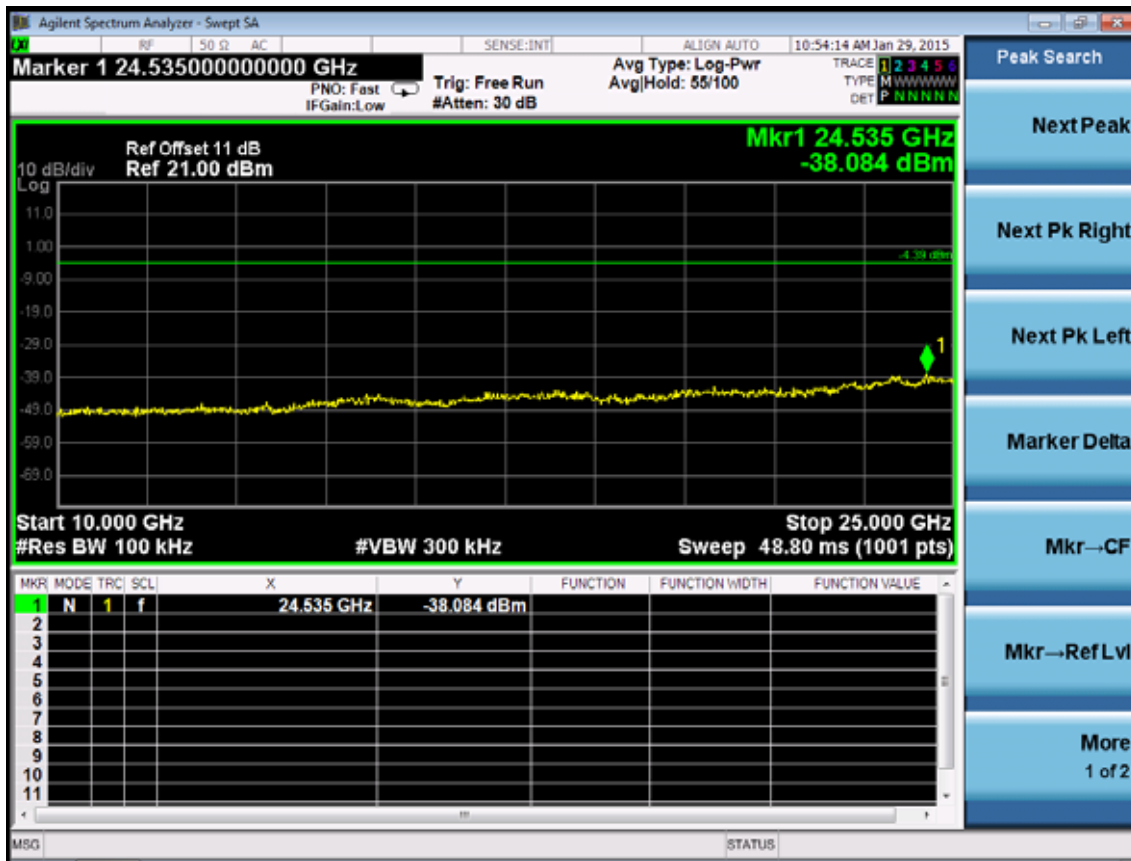
Test CH6: 2437MHz



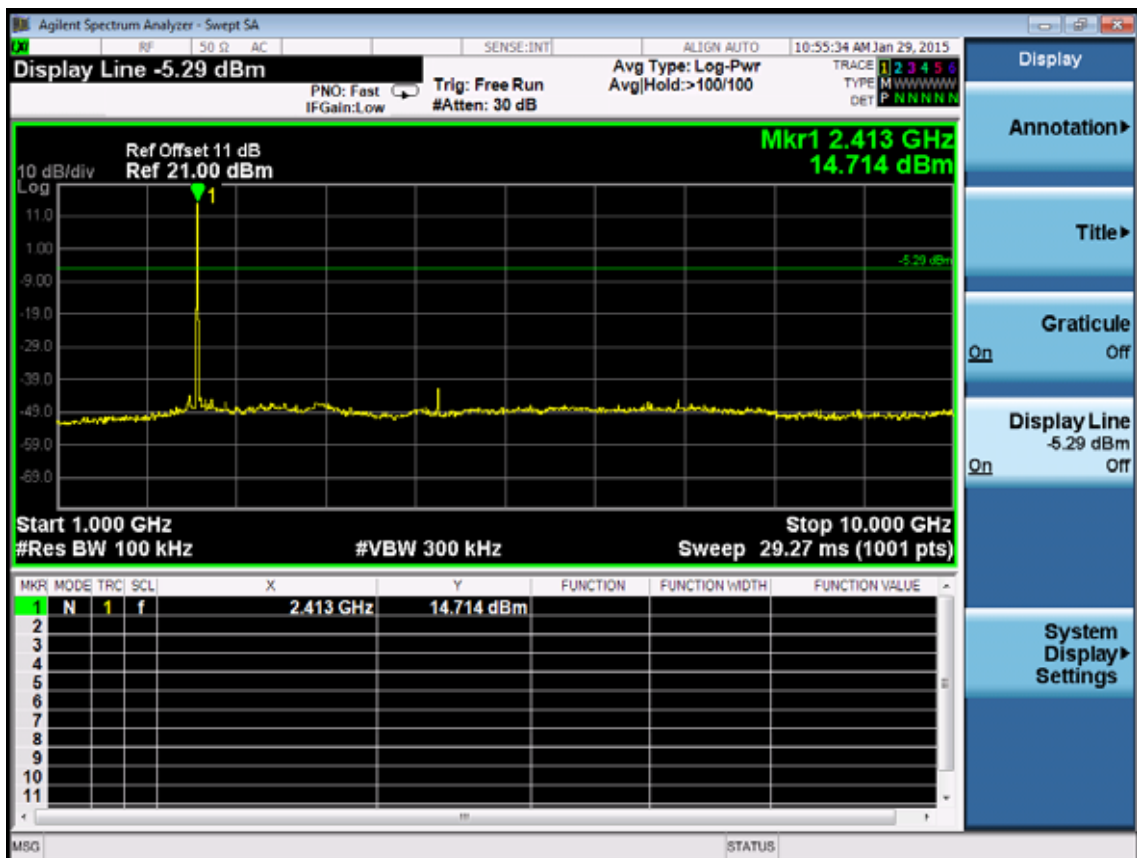
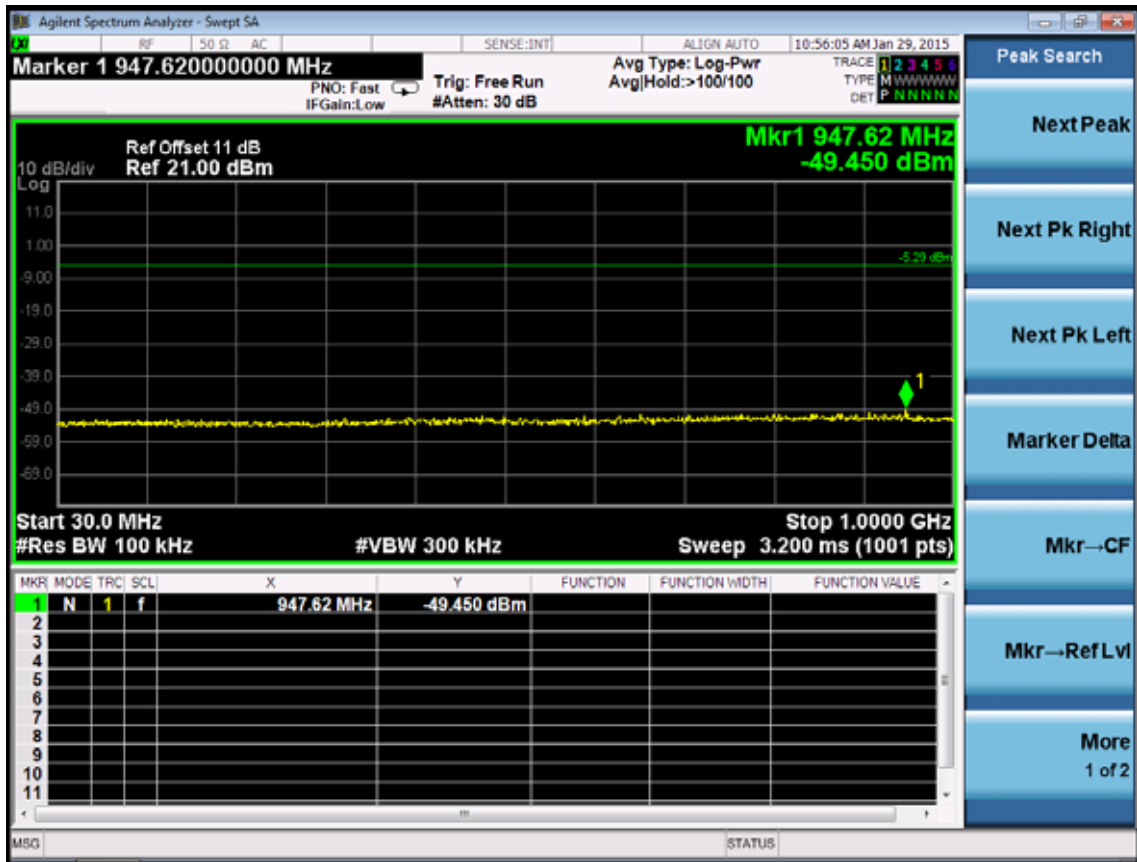


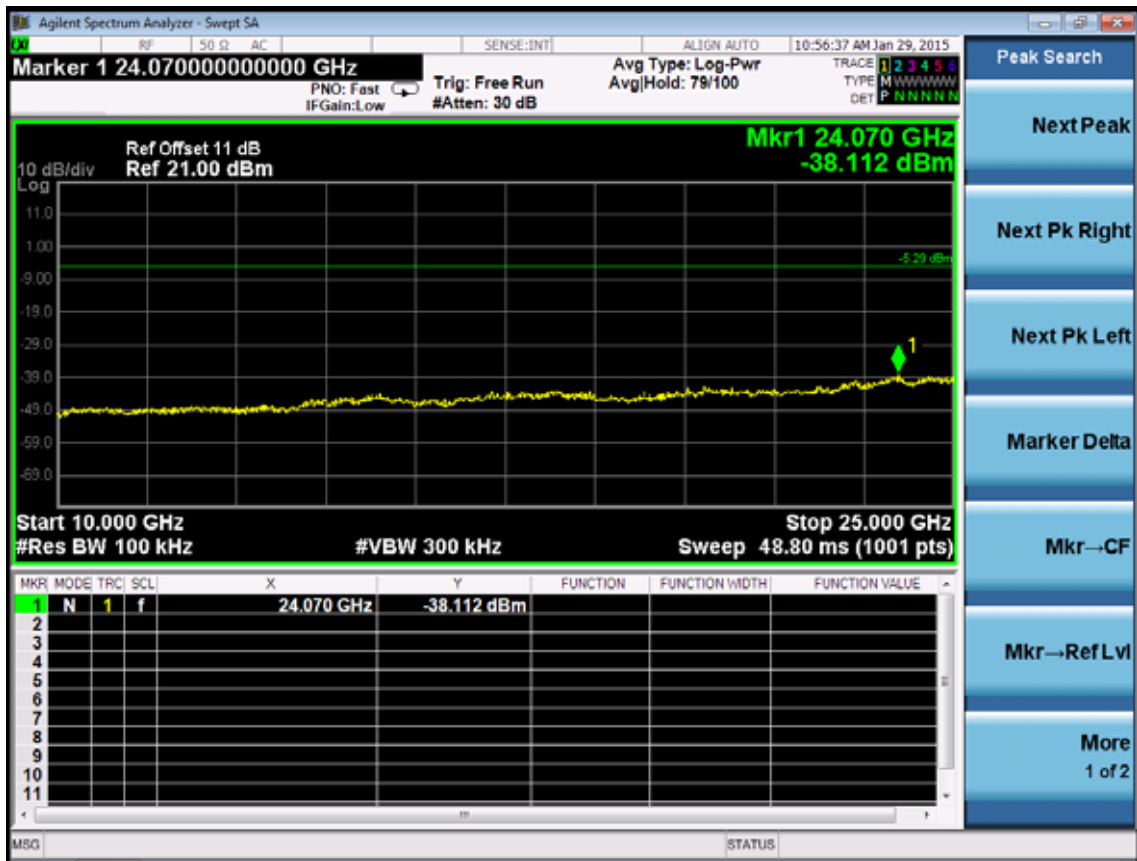
Test CH11: 2462MHz



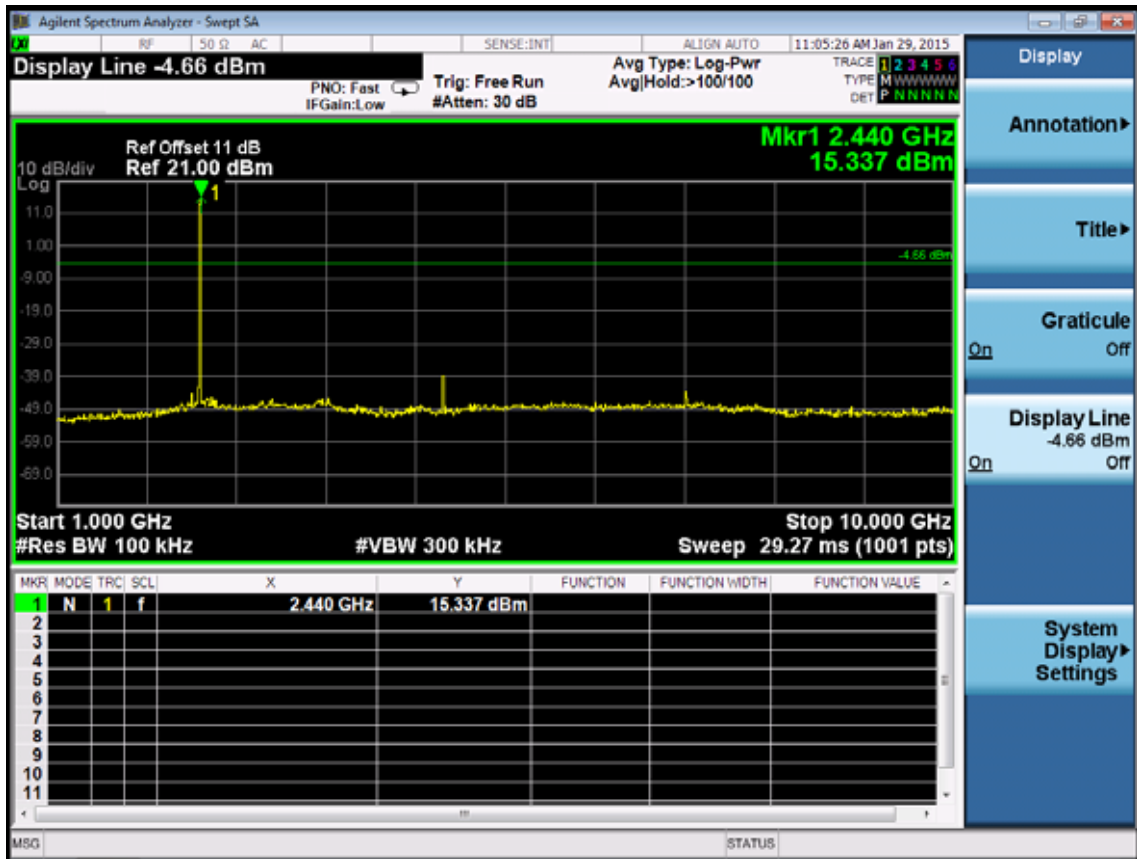
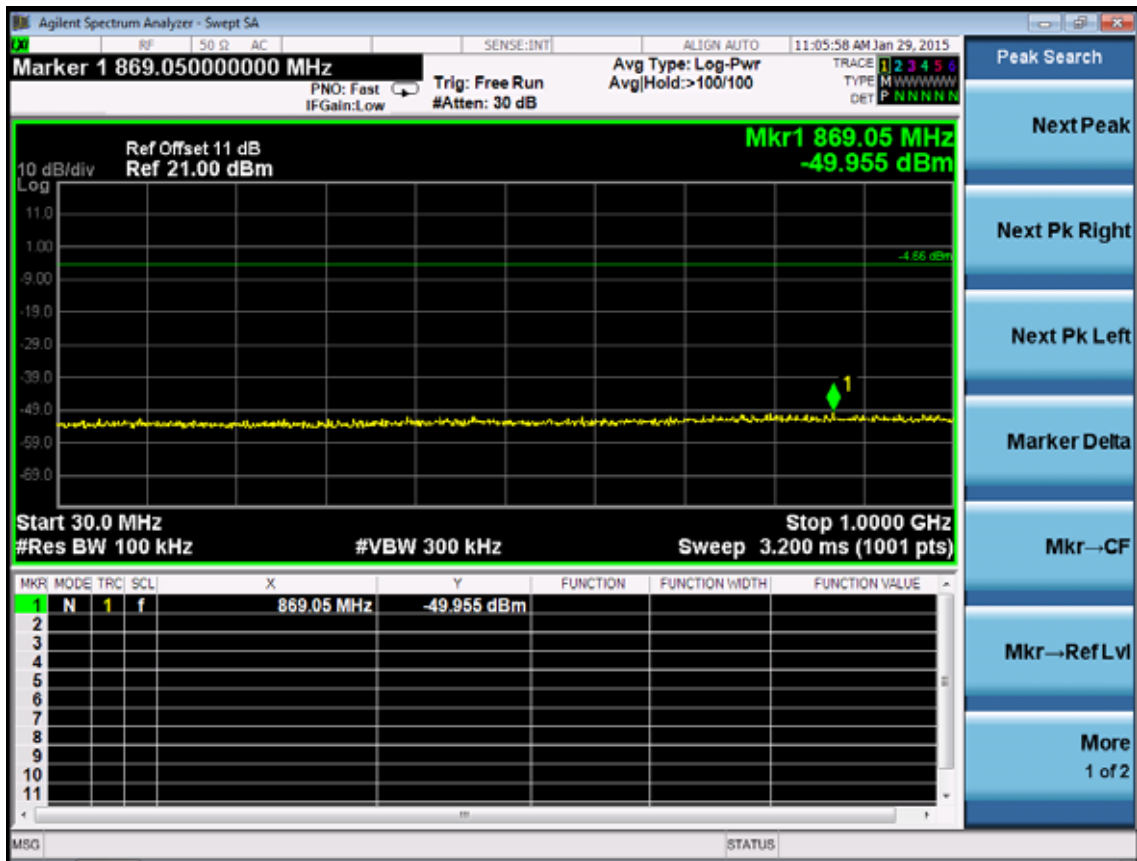


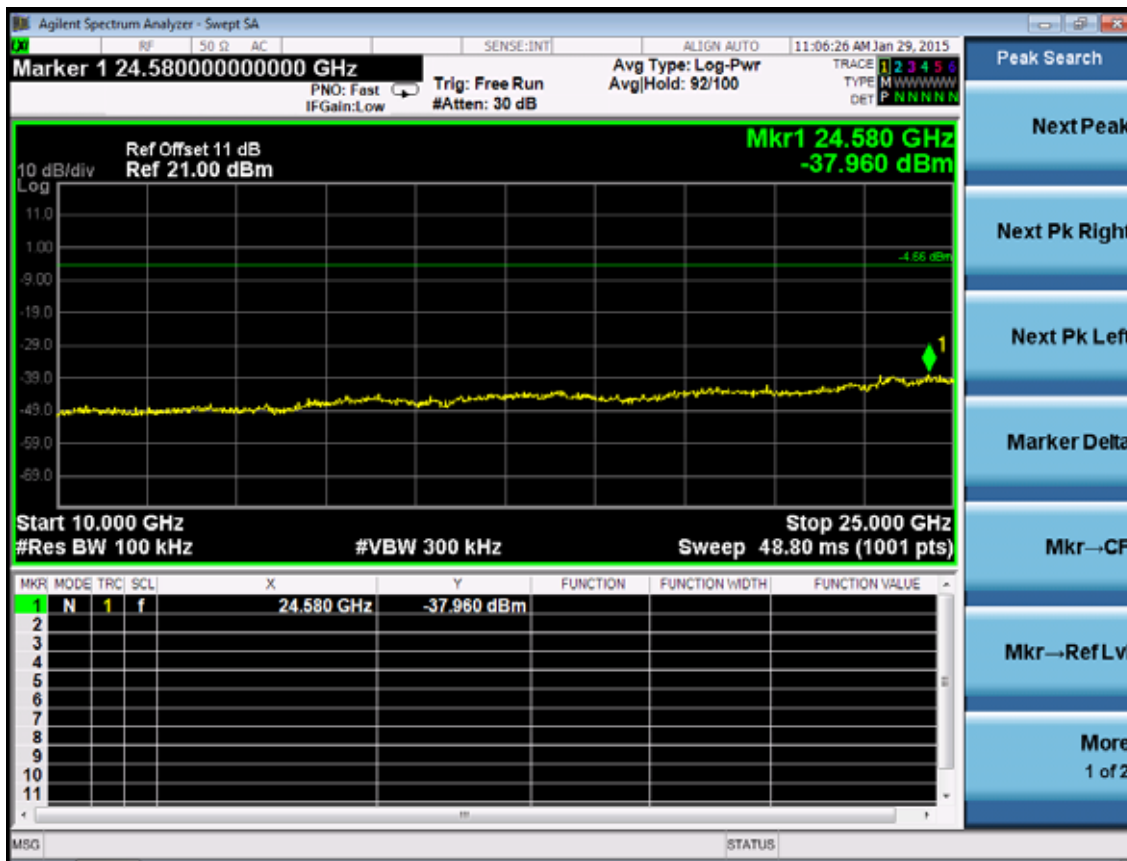
Test Mode: IEEE 11nTH20
 Test CH1: 2412MHz



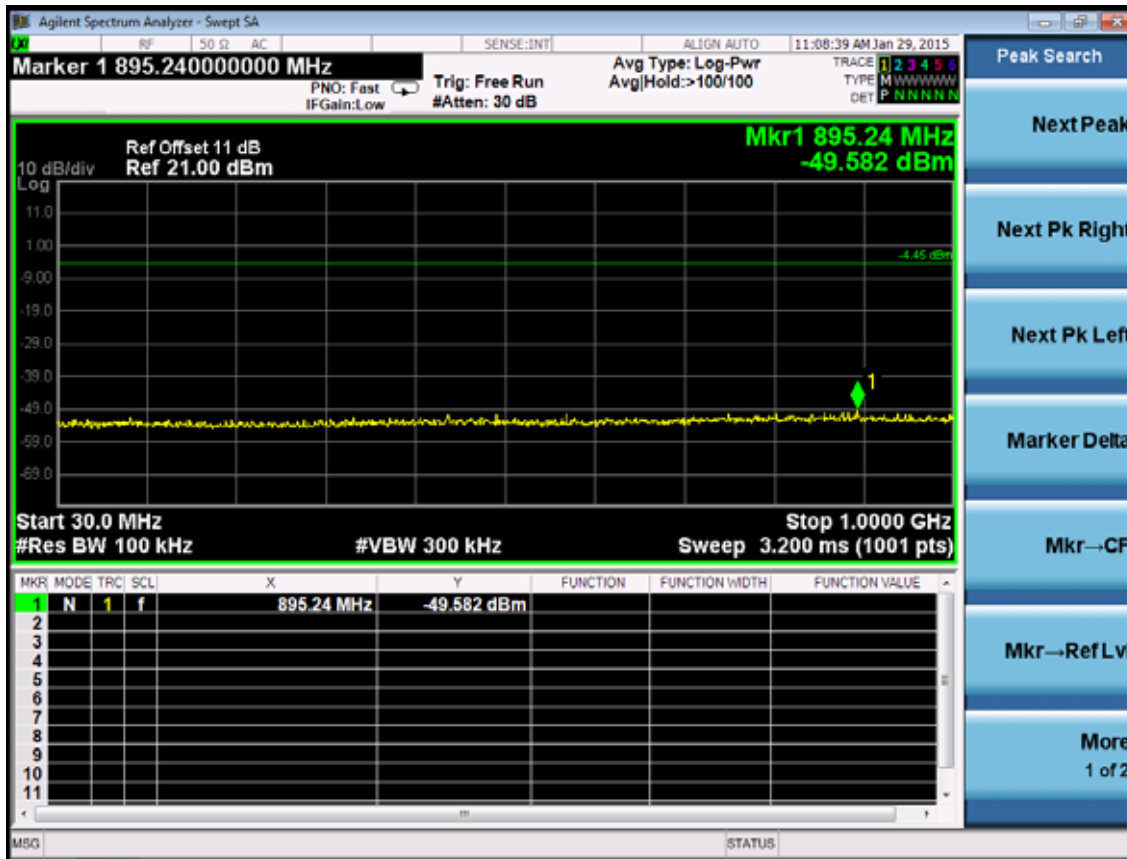


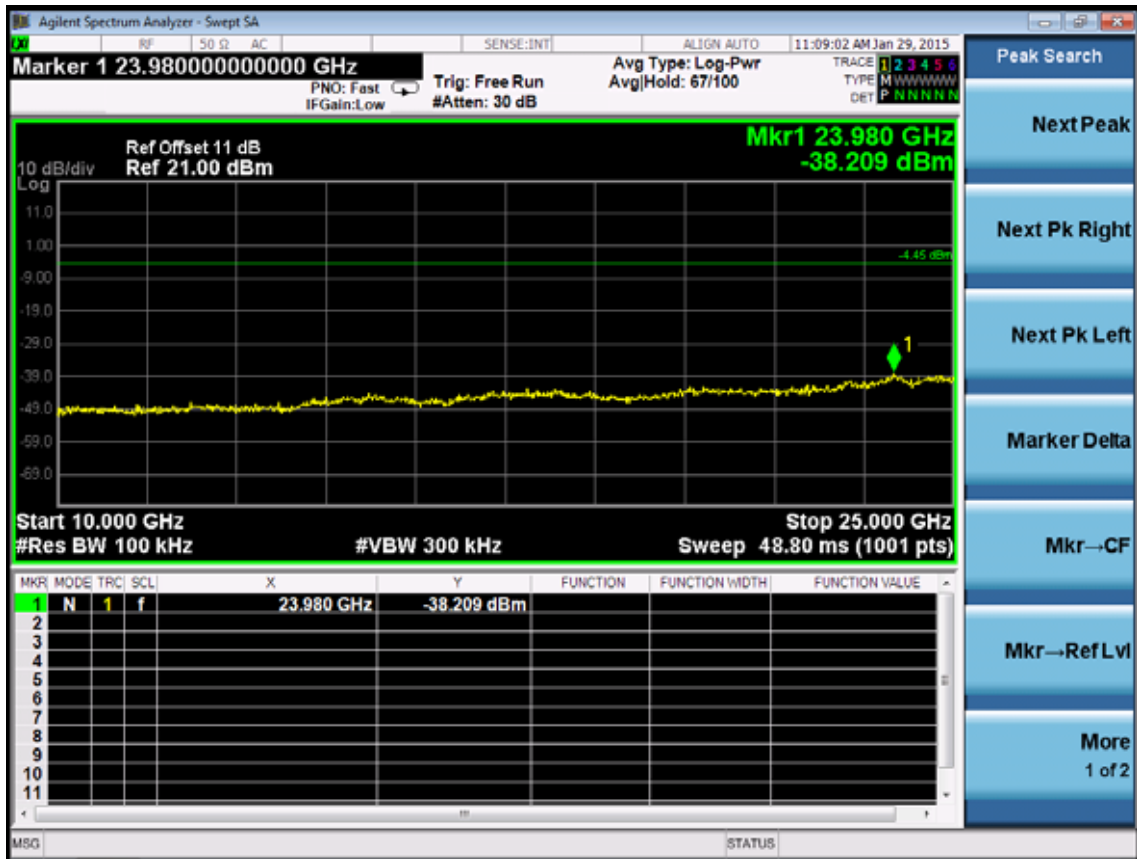
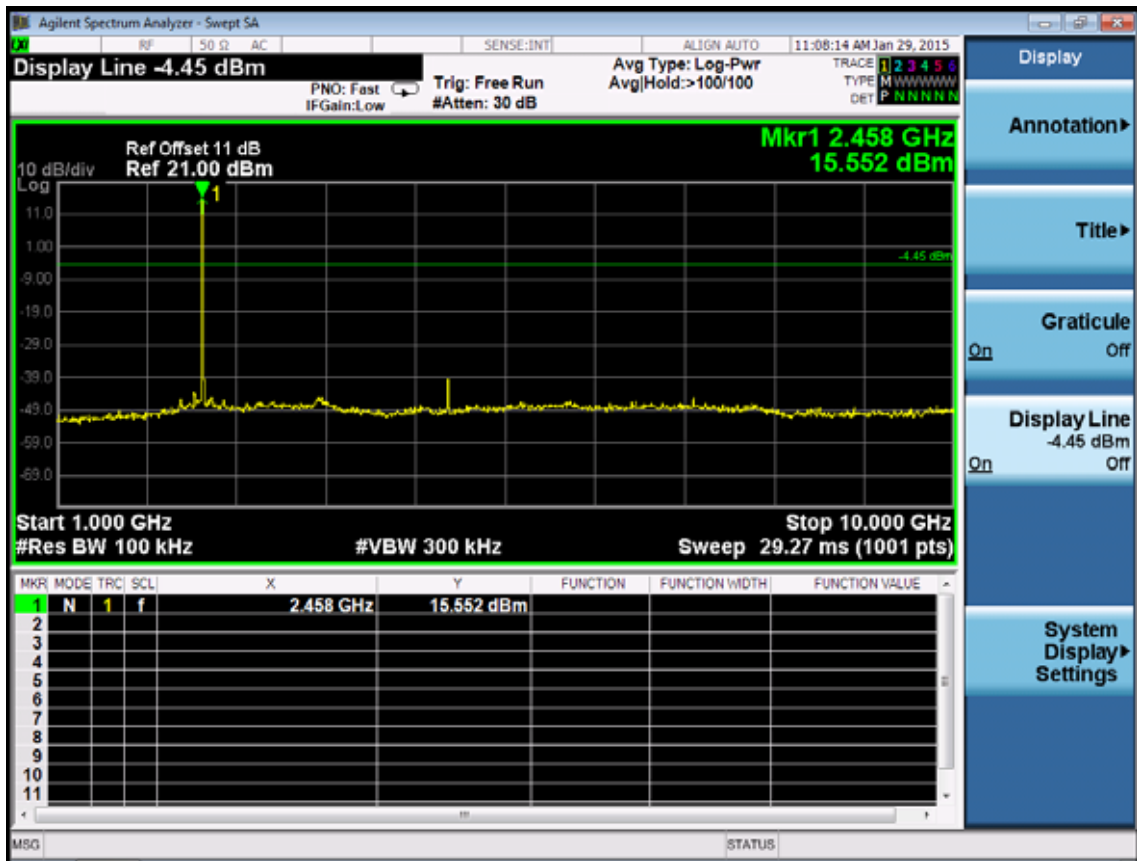
Test CH6: 2437MHz

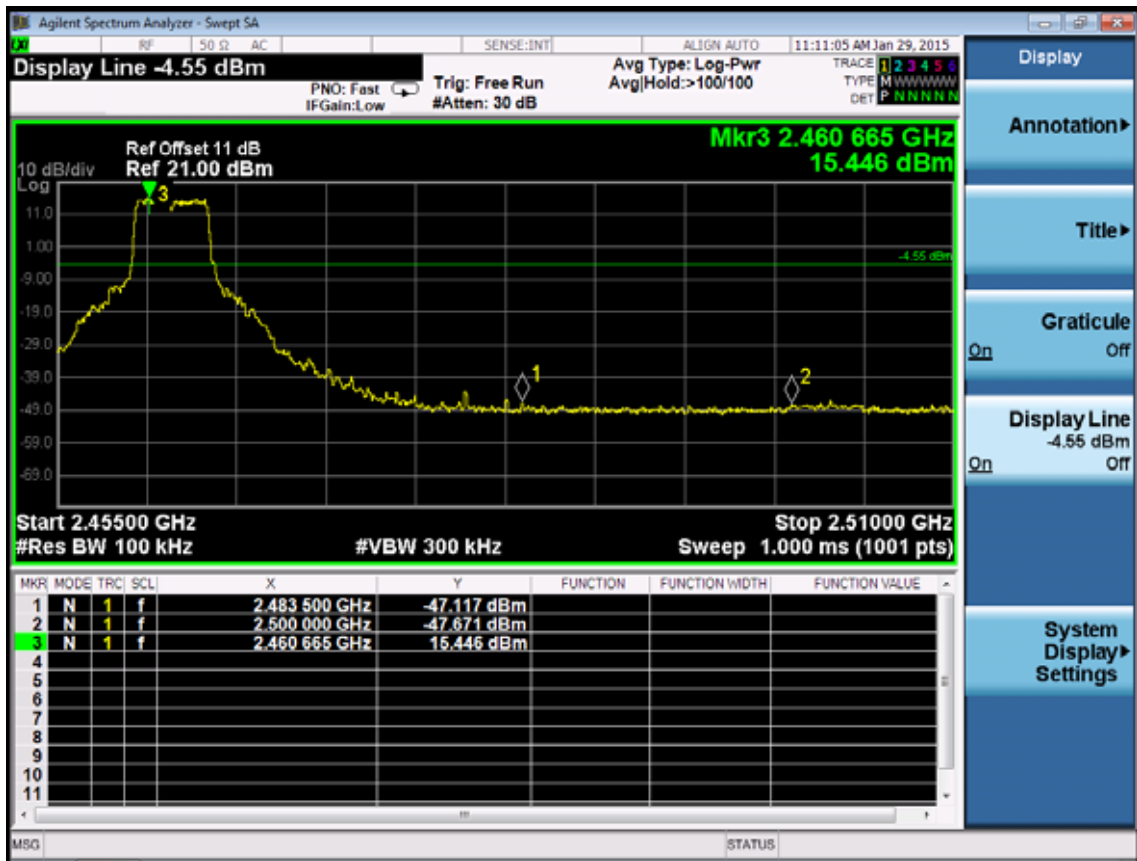




Test CH11: 2462MHz



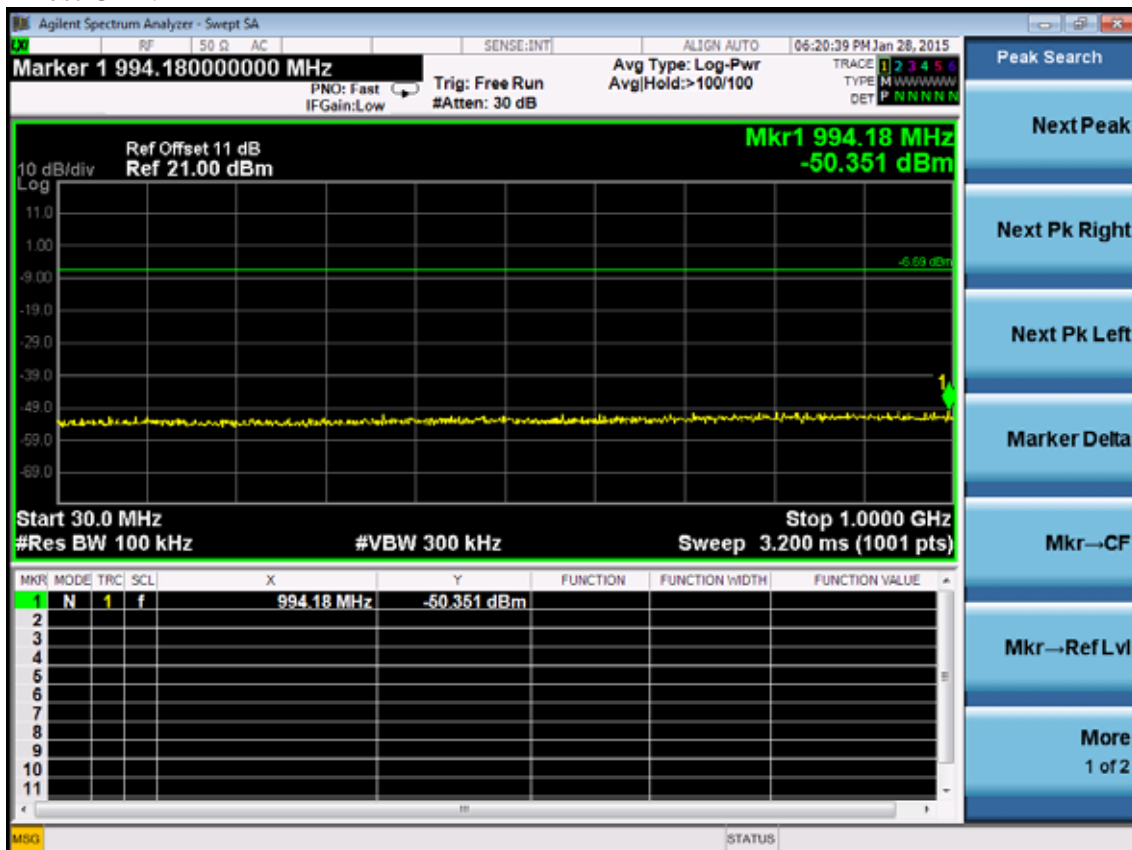


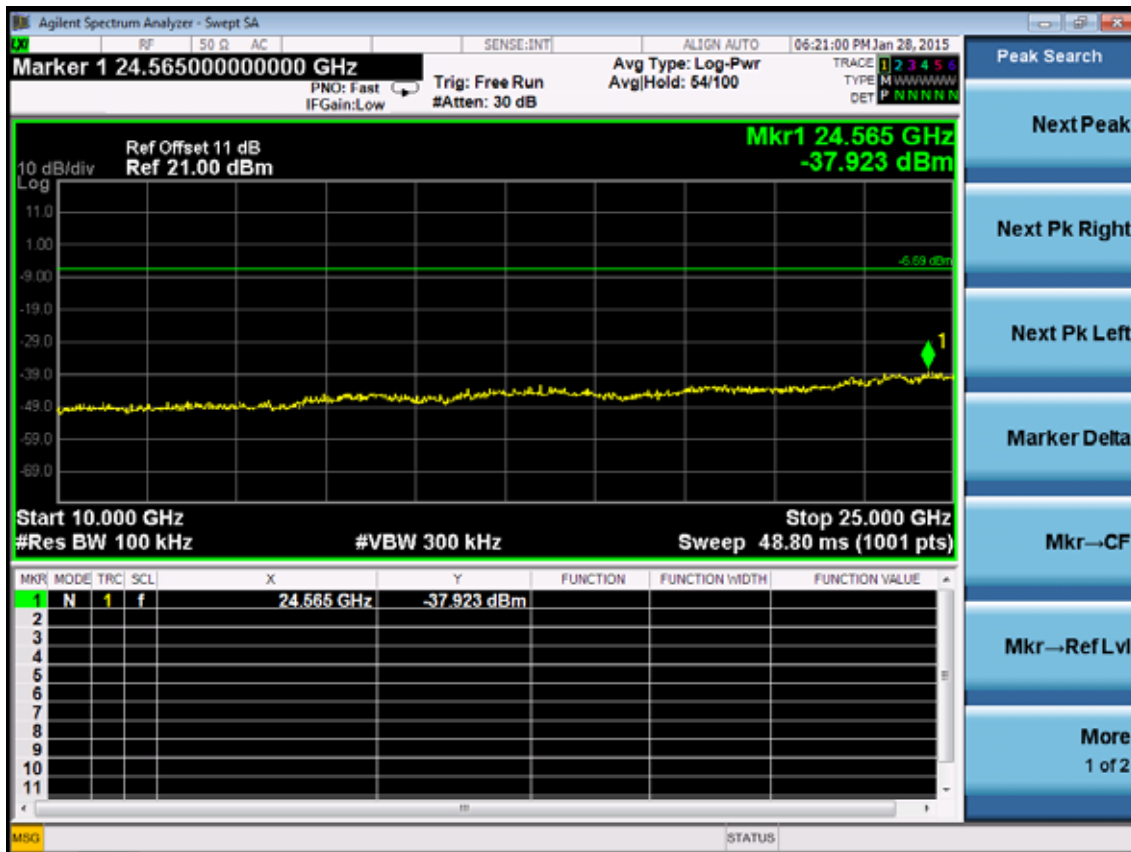
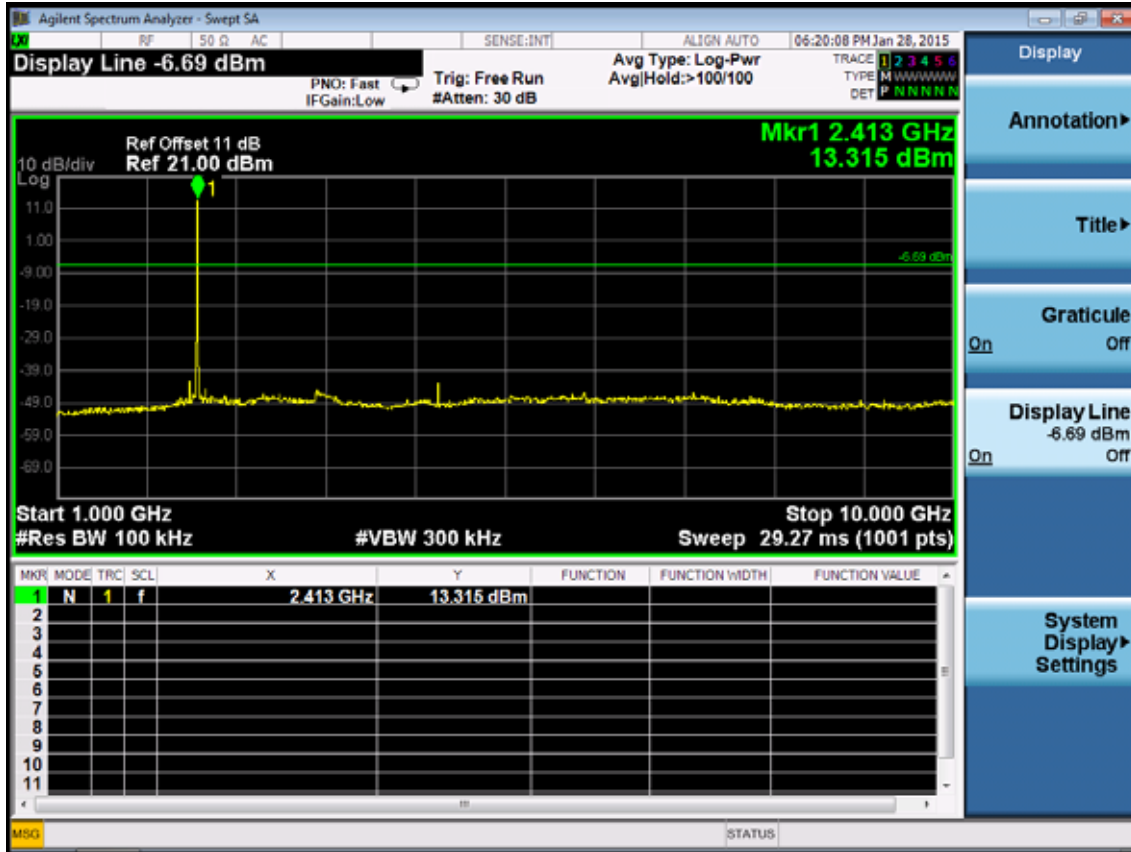


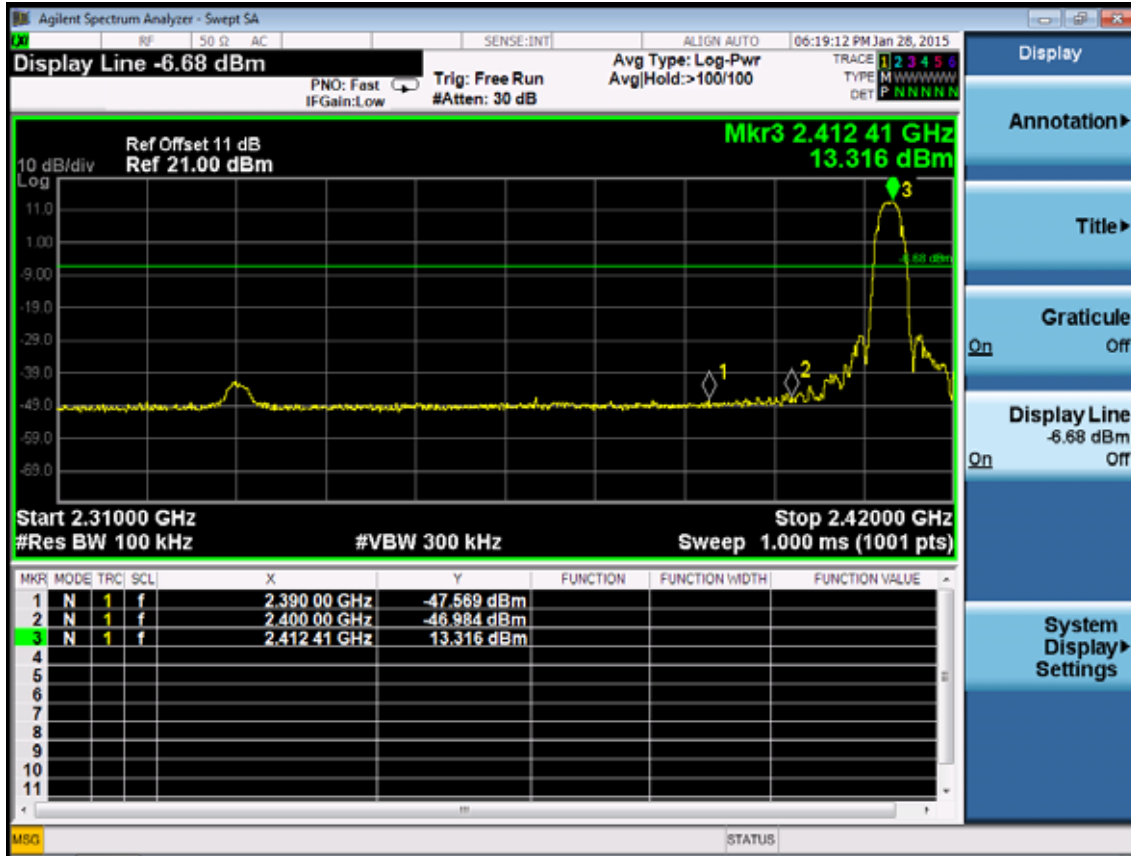
5MHz Antenna 2

Test Mode: IEEE 802.11b

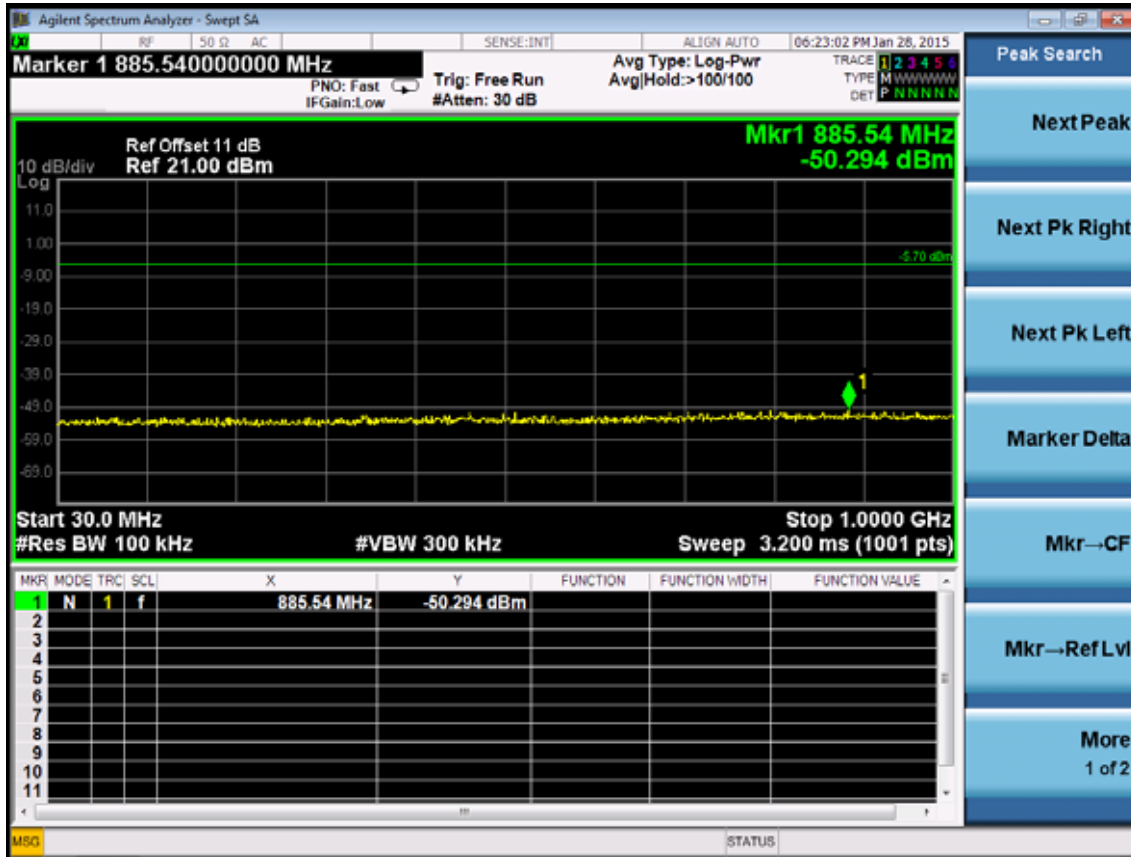
Test CH1: 2412MHz

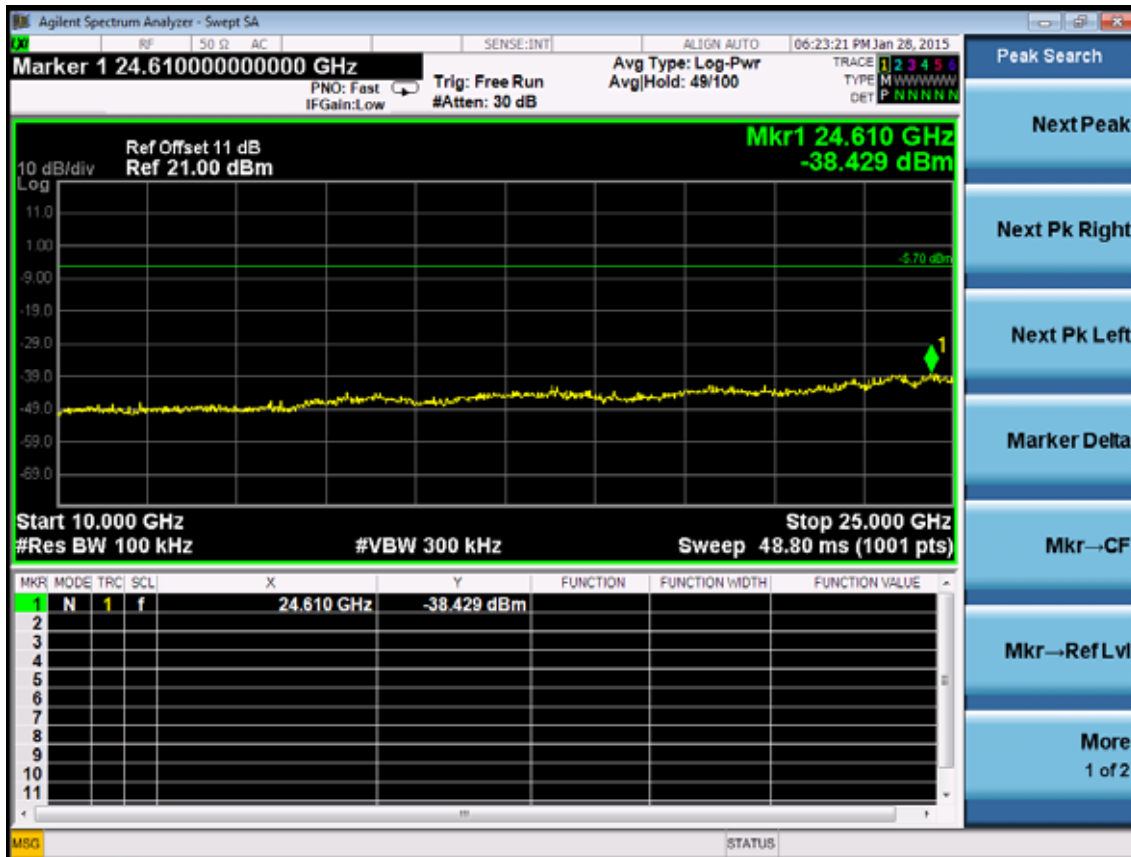
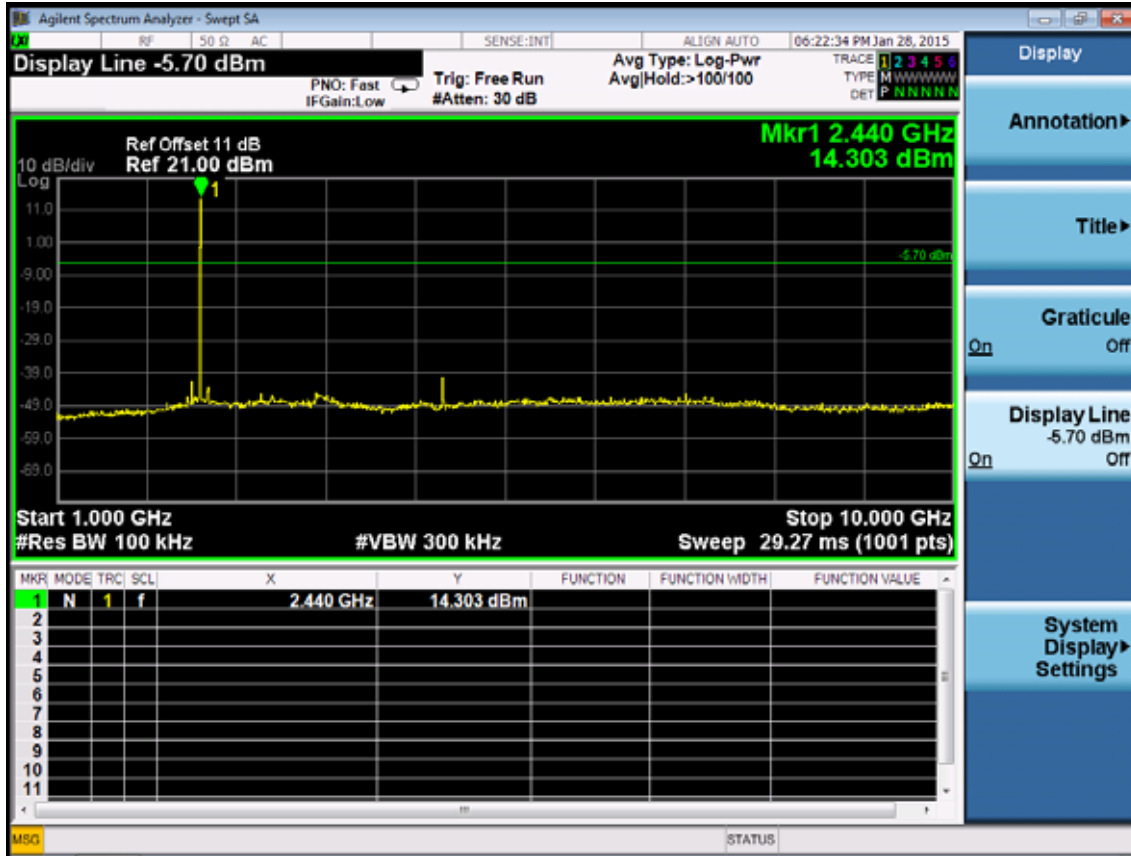






Test CH6: 2437MHz





Test CH11: 2462MHz

