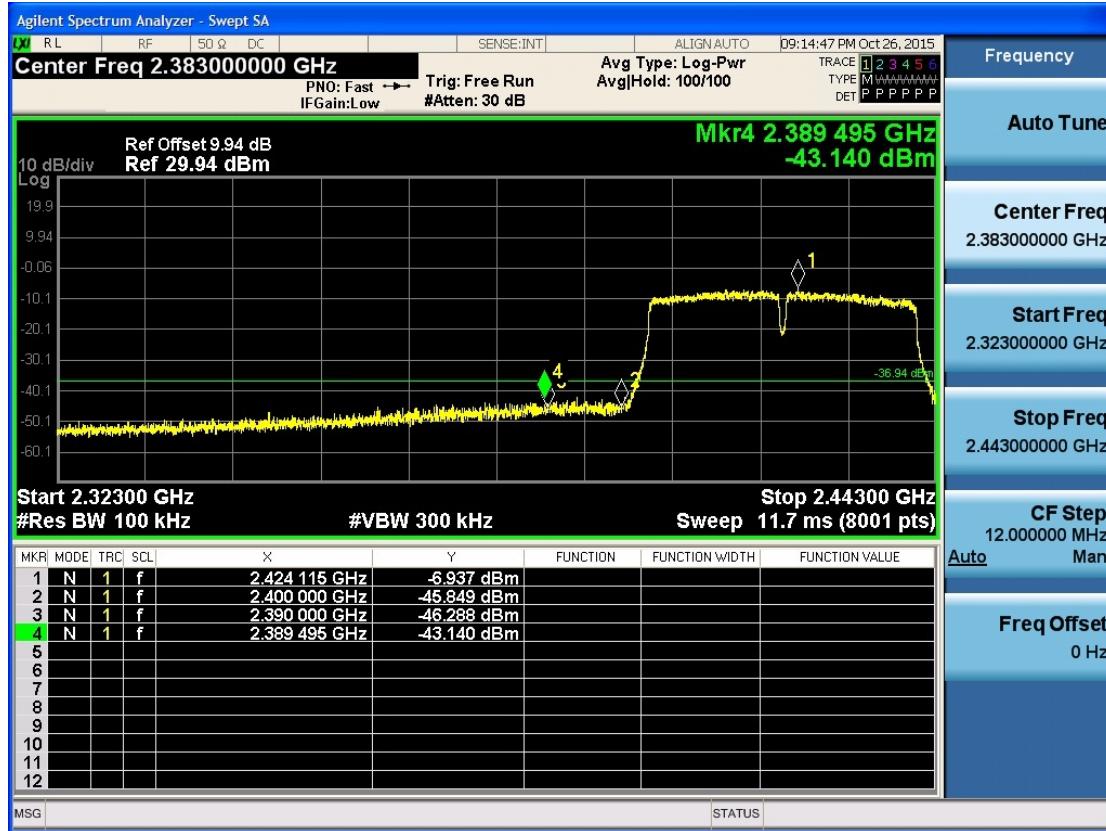
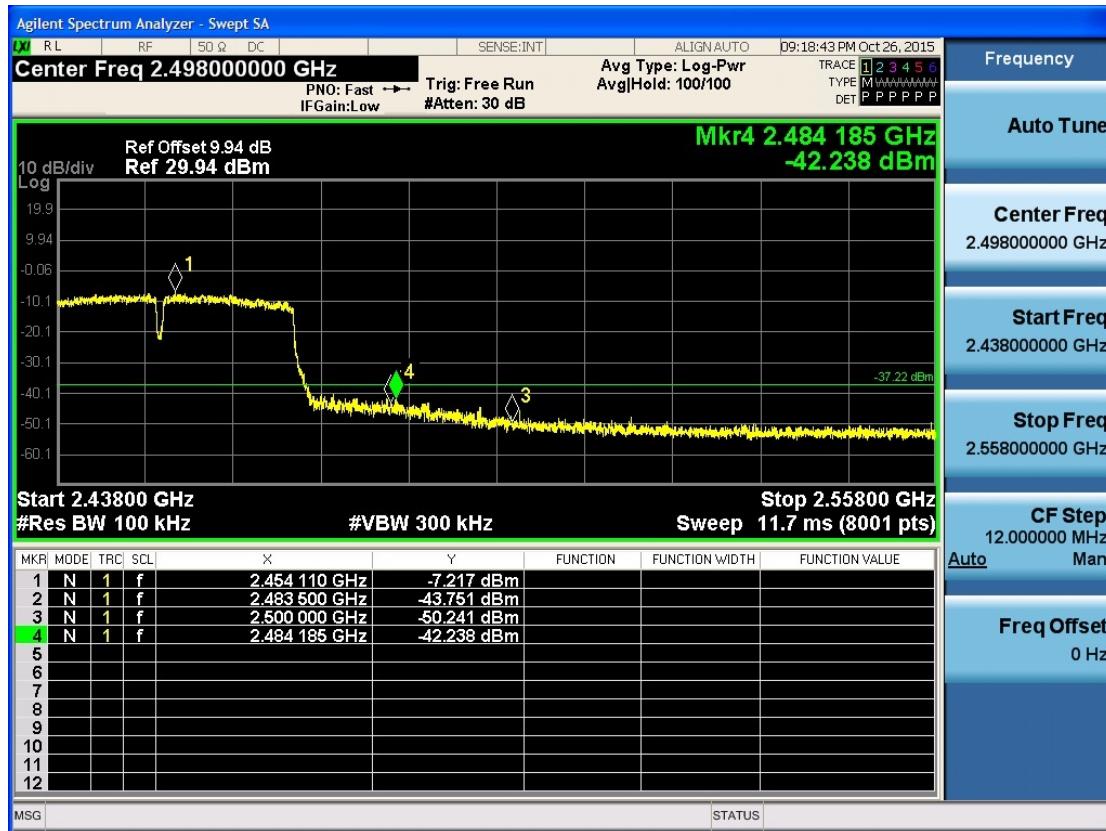


802.11n HT40

A. Test Plots



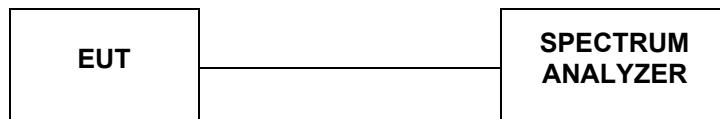
(Plot 4.5.2.4 A: Channel 3: 2422MHz@ 802.11n HT40)



(Plot 4.5.2.4 B: Channel 9: 2452MHz @ 802.11n HT40)

4.6 Spurious RF Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2009 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100 kHz and VBW= 300 KHz to measure the peak field strength, and measure frequency range from 9 KHz to 26.5GHz.

LIMIT

1. Below -20dB of the highest emission level in operating band.
2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

TEST RESULTS

Remark: The measurement frequency range is from 9 KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.

4.6.1 802.11b Test Mode

A. Test Verdict

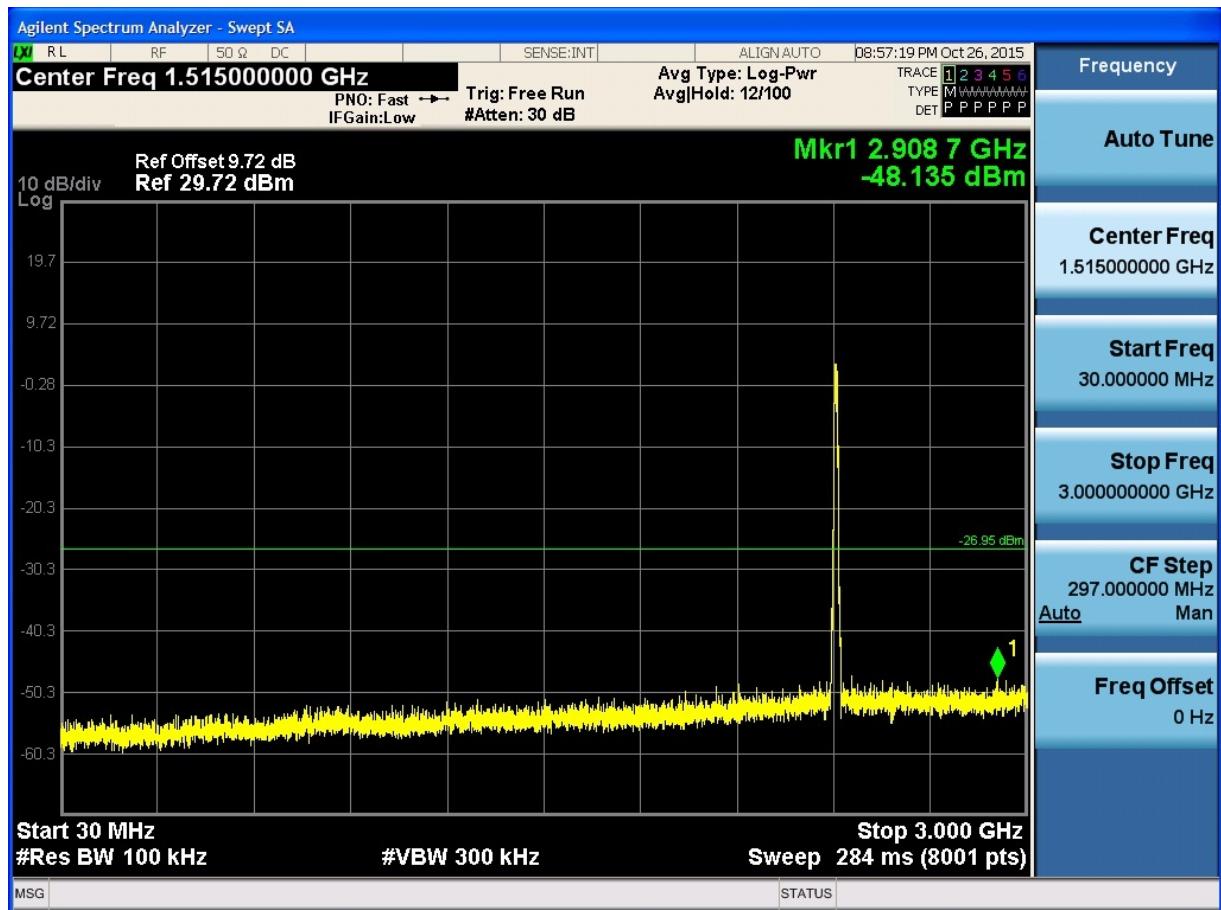
| Channel | Frequency (MHz) | Frequency Range | Refer to Plot | Limit (dBc) | Verdict |
|---------|-----------------|-----------------|---------------|-------------|---------|
| 1 | 2412 | 2.412 GHz | Plot 4.6.1 A1 | --- | PASS |
| | | 30MHz -3GHz | Plot 4.6.1 A2 | -20 | PASS |
| | | 3GHz-.5 GHz | Plot 4.6.1 A3 | -20 | PASS |
| | | 3GHz-.10 GHz | Plot 4.6.1 A4 | -20 | PASS |
| | | 10GHz-.15 GHz | Plot 4.6.1 A5 | -20 | PASS |
| | | 15GHz-.25 GHz | Plot 4.6.1 A6 | -20 | PASS |
| 6 | 2437 | 2.437 GHz | Plot 4.6.1 B1 | --- | PASS |
| | | 30MHz -26GHz | Plot 4.6.1 B2 | -20 | PASS |
| | | 3GHz-26.5 GHz | Plot 4.6.1 B3 | -20 | PASS |
| | | 3GHz-.10 GHz | Plot 4.6.1 B4 | -20 | PASS |
| | | 10GHz-.15 GHz | Plot 4.6.1 B5 | -20 | PASS |
| | | 15GHz-.25 GHz | Plot 4.6.1 B6 | -20 | PASS |
| 11 | 2462 | 2.462 GHz | Plot 4.6.1 C1 | --- | PASS |
| | | 30MHz -26GHz | Plot 4.6.1 C2 | -20 | PASS |
| | | 3GHz-26.5 GHz | Plot 4.6.1 C3 | -20 | PASS |
| | | 3GHz-.10 GHz | Plot 4.6.1 C4 | -20 | PASS |
| | | 10GHz-.15 GHz | Plot 4.6.1 C5 | -20 | PASS |
| | | 15GHz-.25 GHz | Plot 4.6.1 C6 | -20 | PASS |

Note:

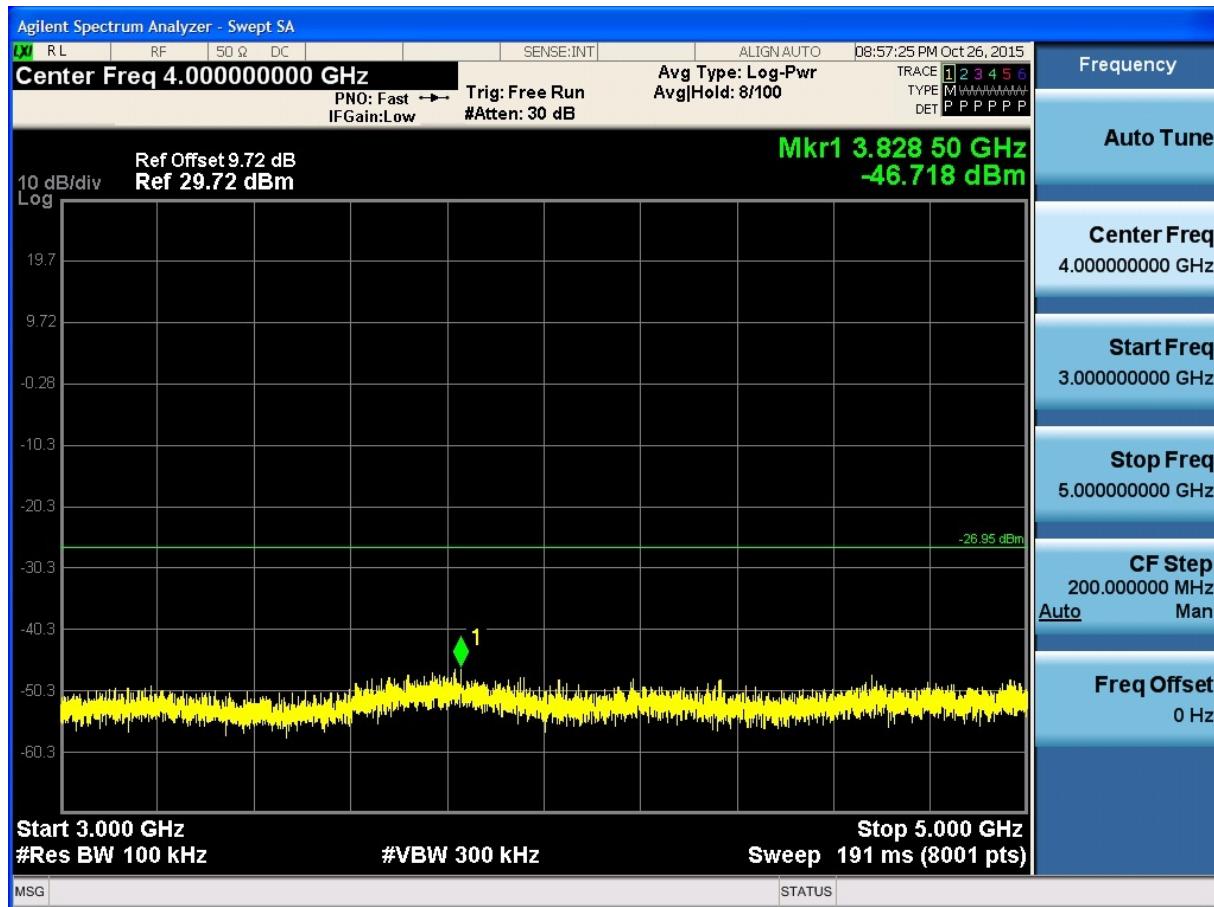
1. For 802.11b mode at final test to get the worst-case emission at 1Mbps.
2. The test results including the cable lose.
3. For 9KHz -30MHz,Because there was only background, So We did not recorded data.



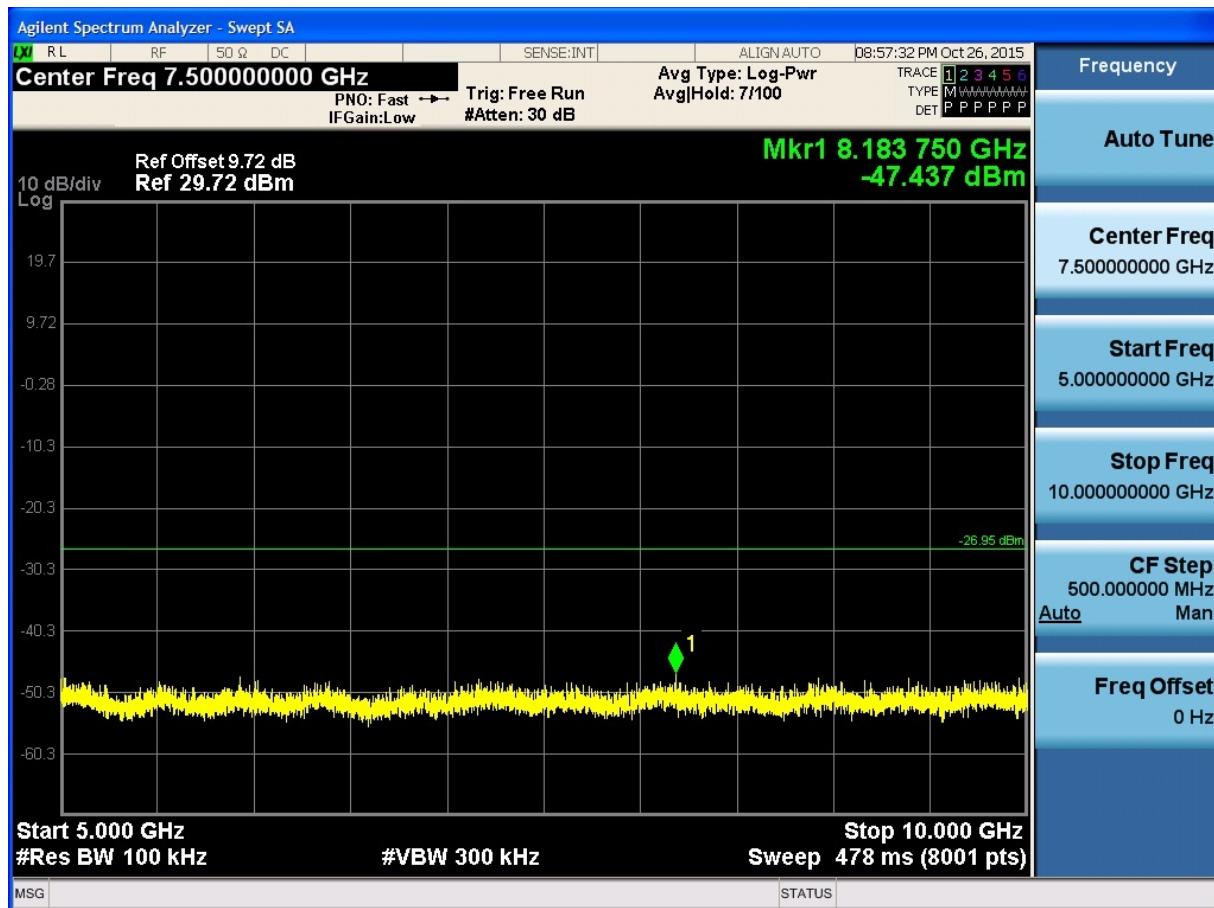
(Plot 4.6.1 A1: Channel 1: 2412MHz @ 802.11b)



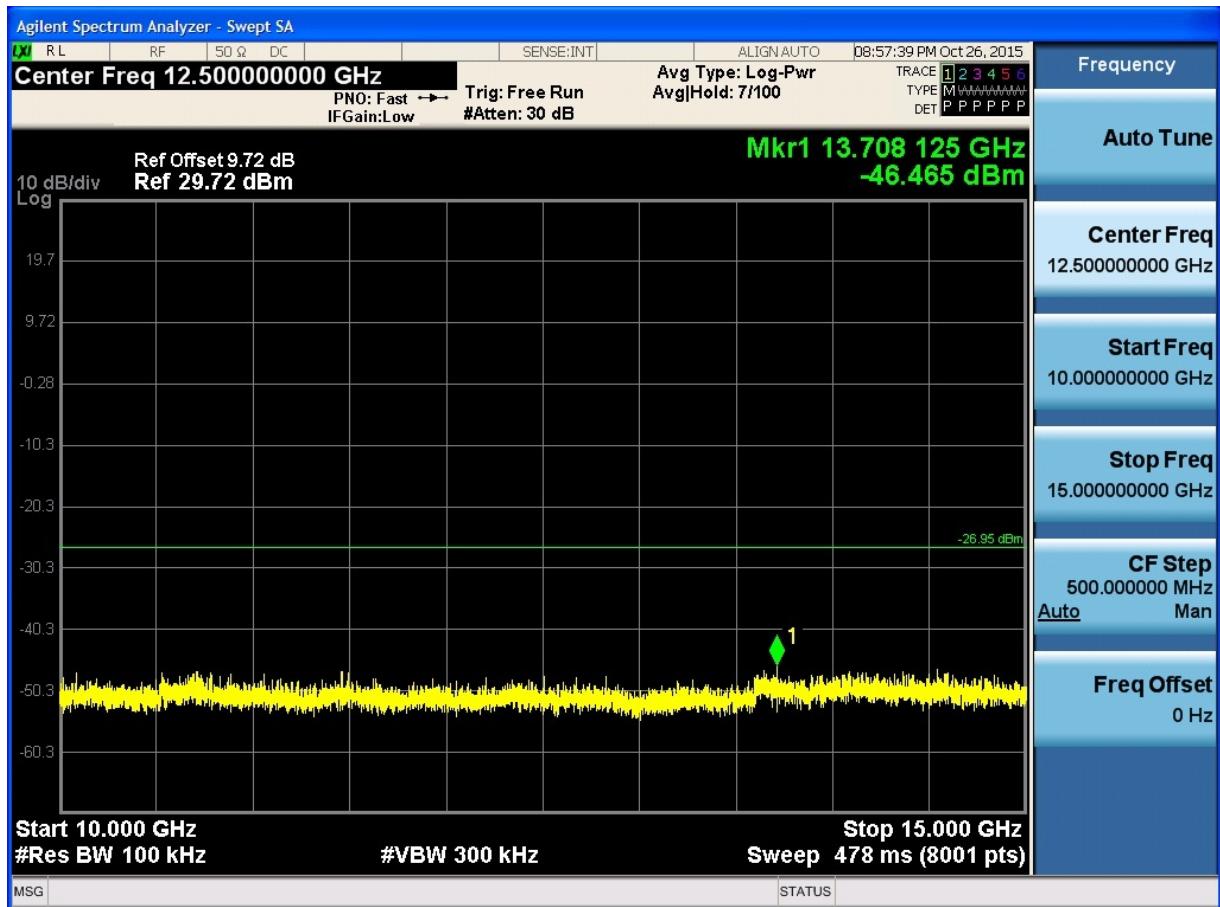
(Plot 4.6.1 A2: Channel 1: 2412MHz @ 802.11b)



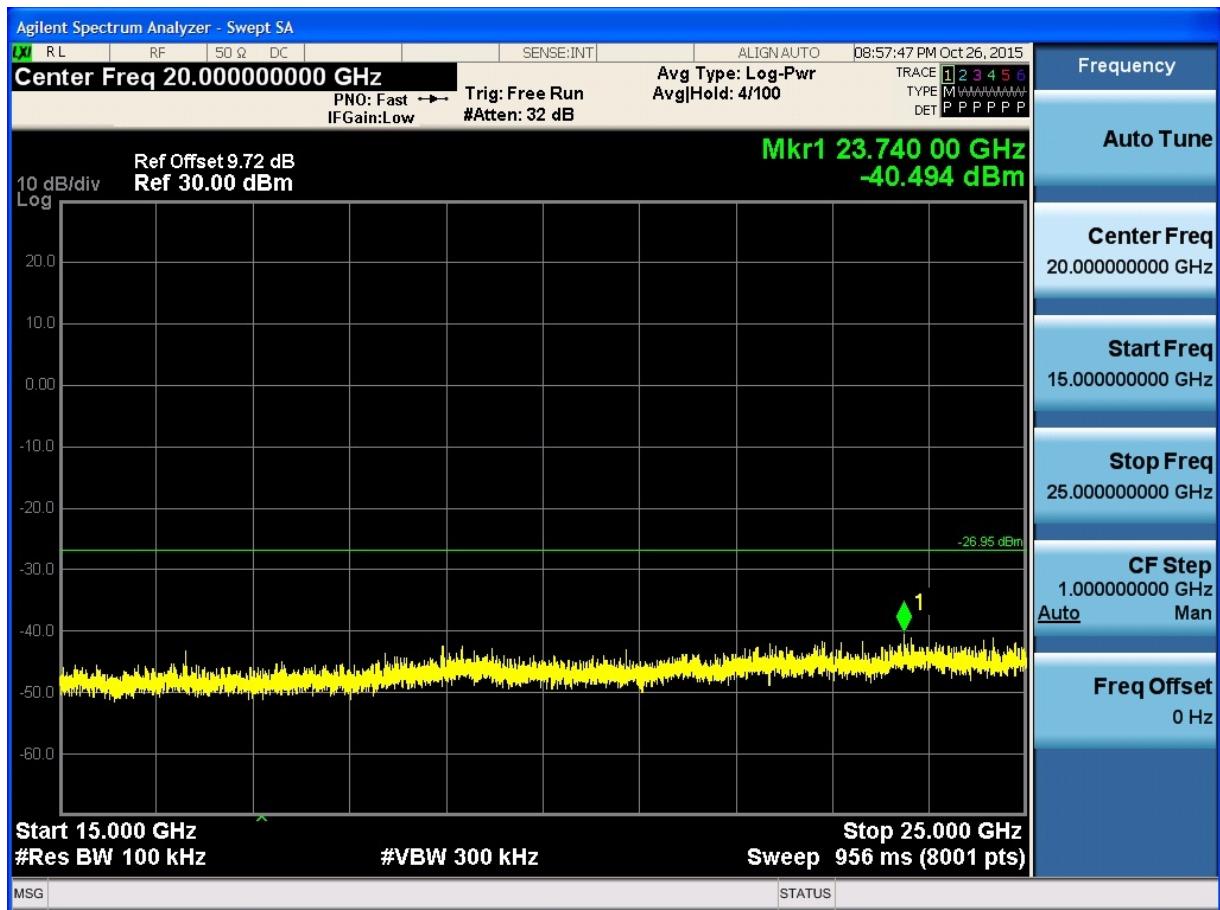
(Plot 4.6.1 A3: Channel 1: 2412MHz @ 802.11b)



(Plot 4.6.1 A:4 Channel 1: 2412MHz @ 802.11b)



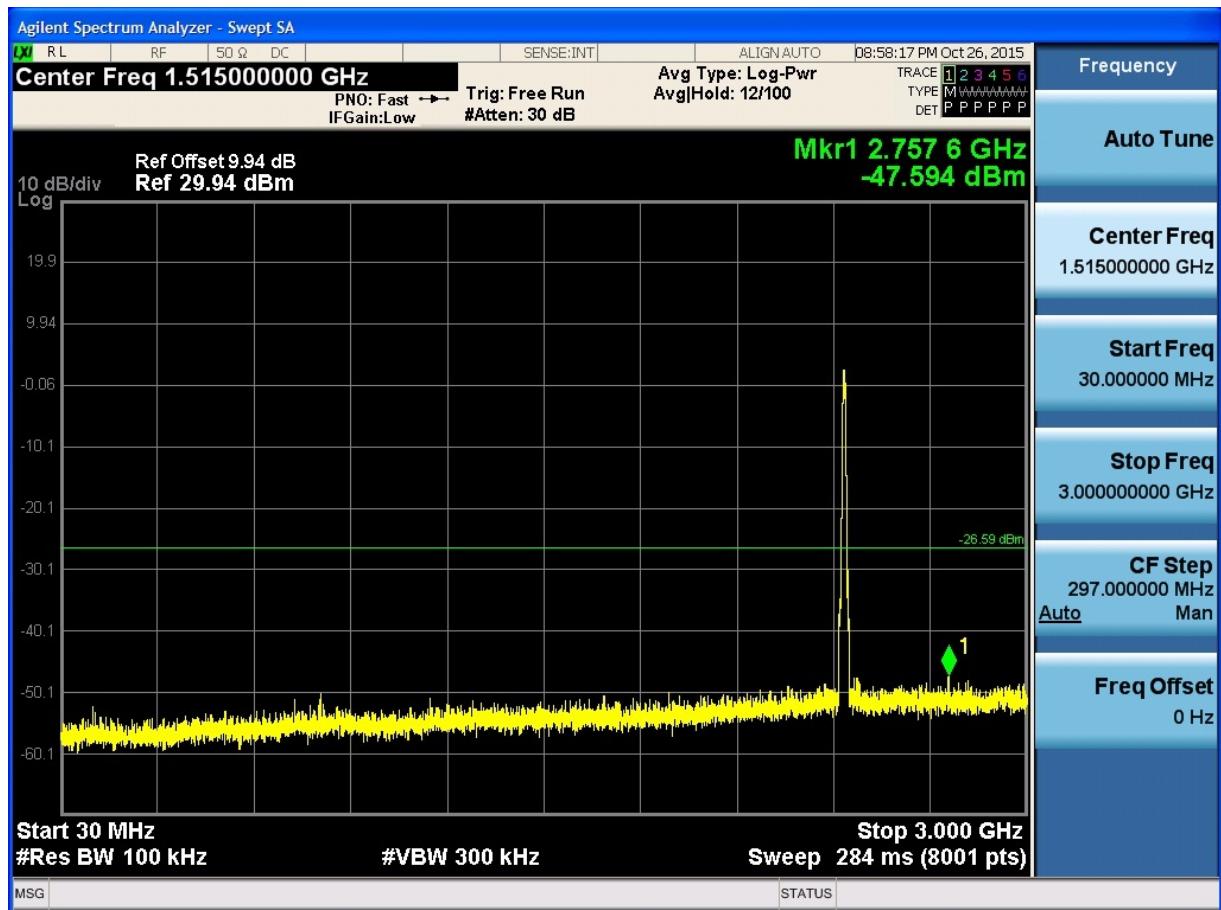
(Plot 4.6.1 A5: Channel 1: 2412MHz @ 802.11b)



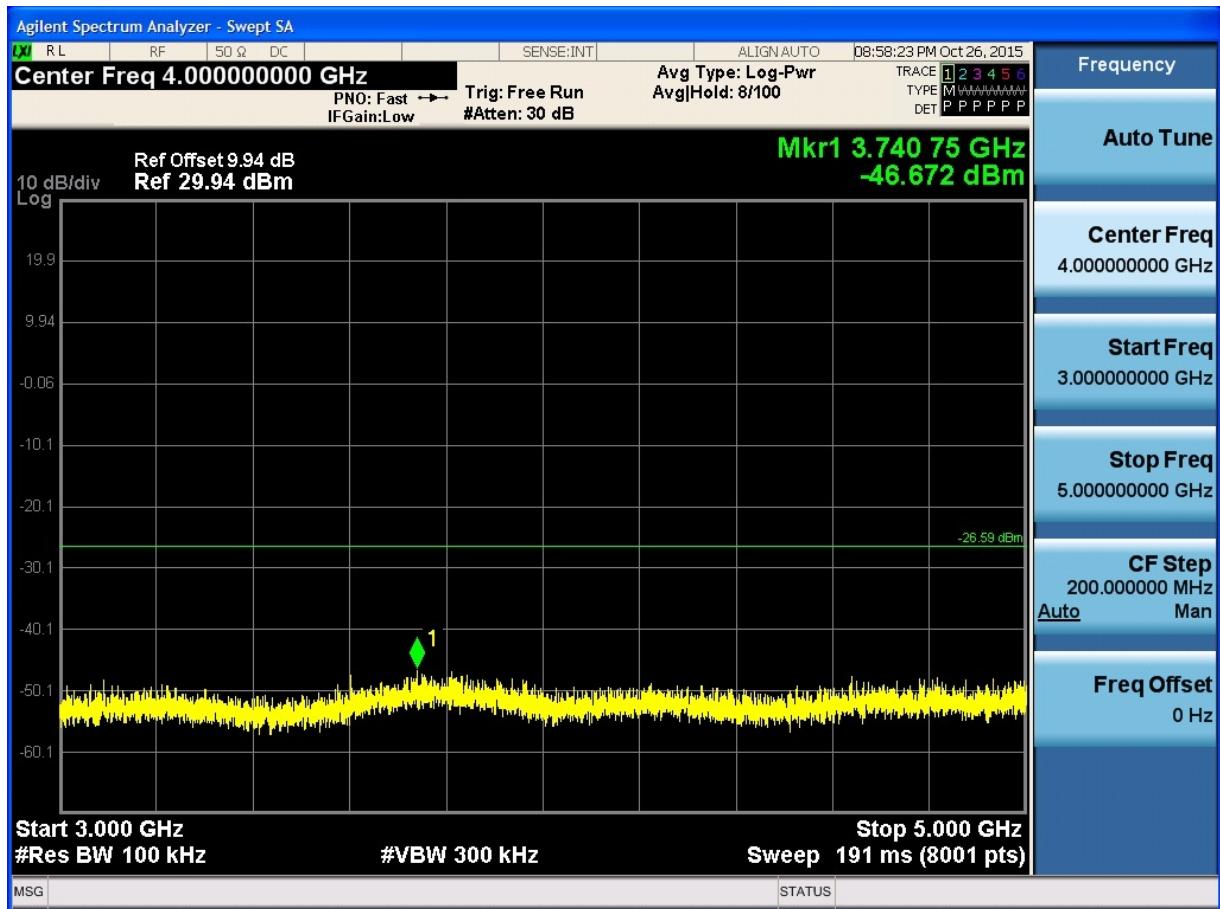
(Plot 4.6.1 A6: Channel 1: 2412MHz @ 802.11b)



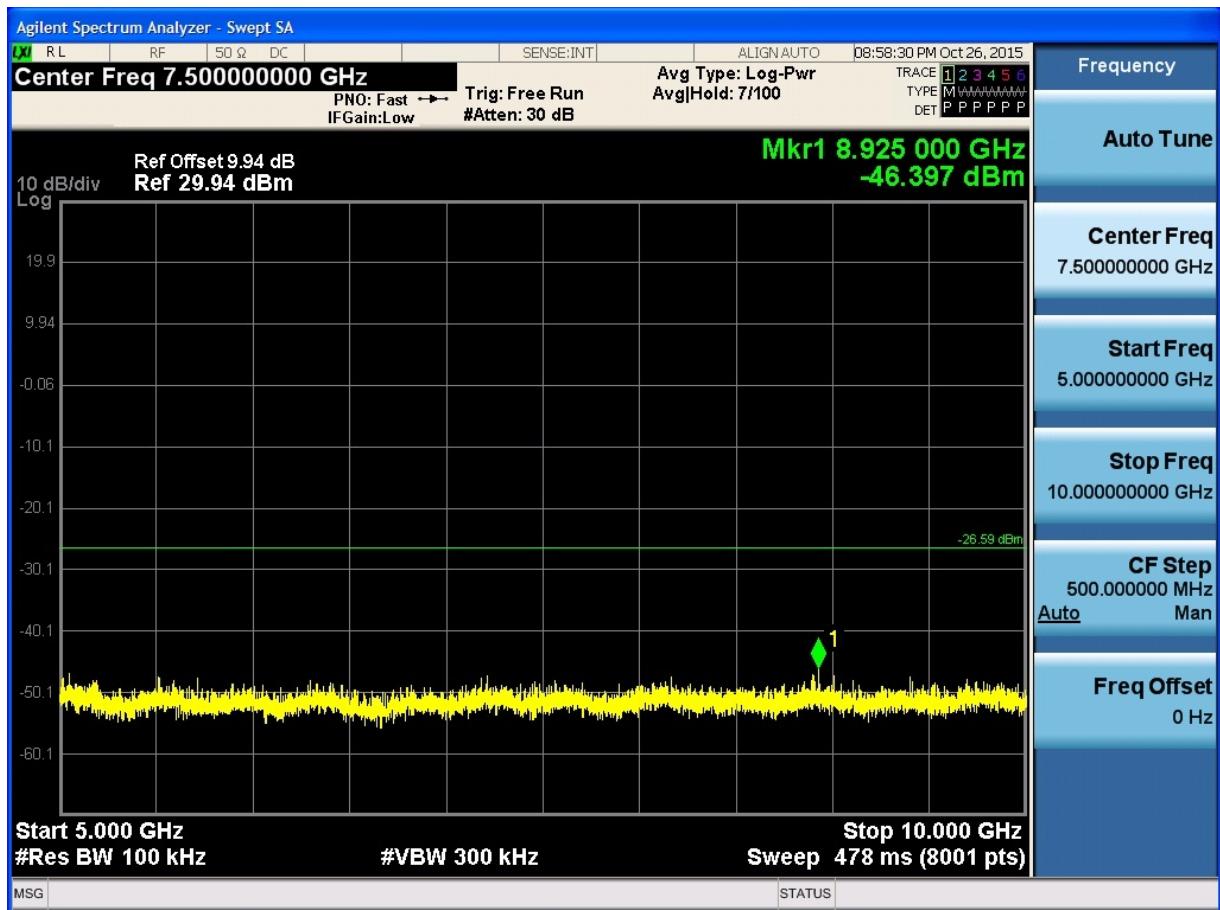
(Plot 4.6.1 B1: Channel 6: 2437MHz @ 802.11b)



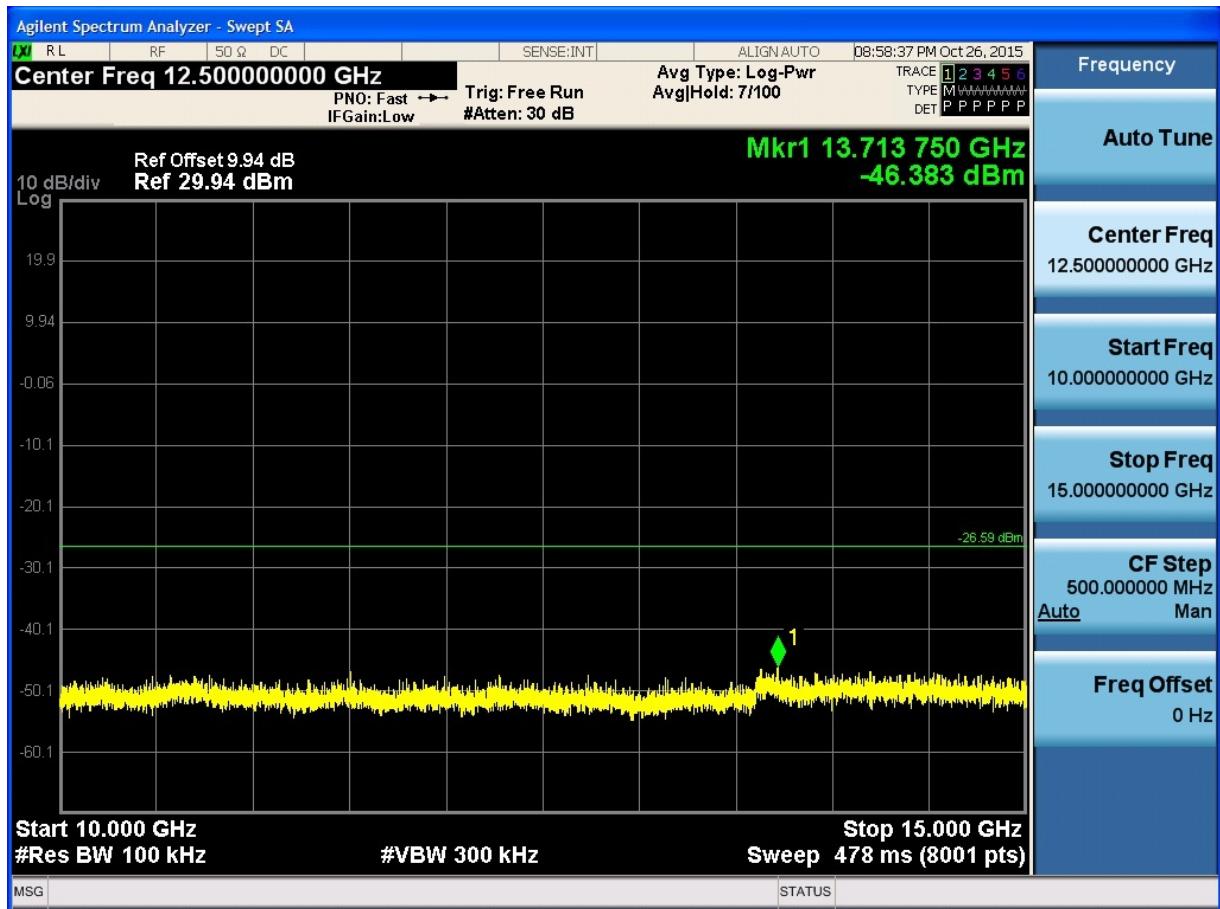
(Plot 4.6.1 B2: Channel 6: 2437MHz @ 802.11b)



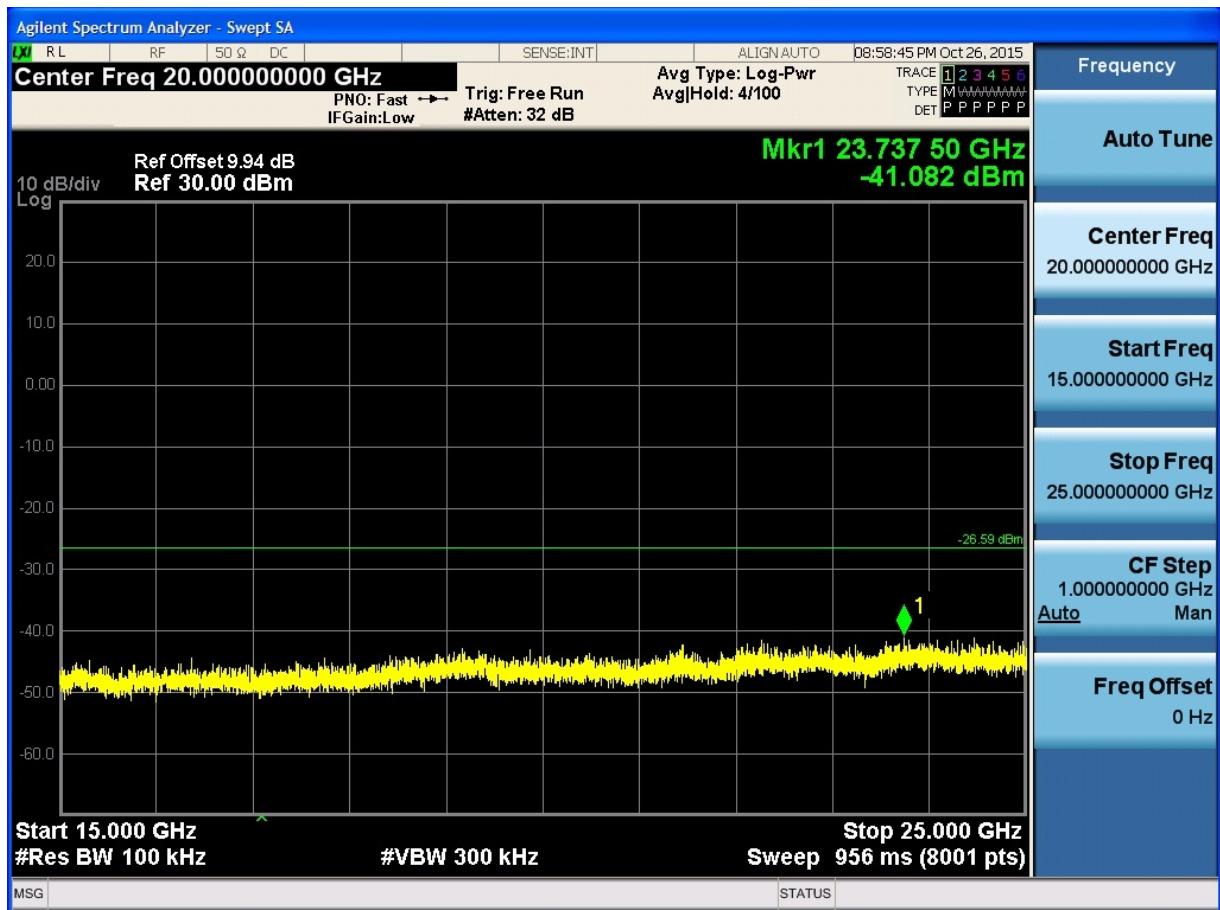
(Plot 4.6.1 B3: Channel 6: 2437MHz @ 802.11b)



(Plot 4.6.1 B4: Channel 6: 2437MHz @ 802.11b)



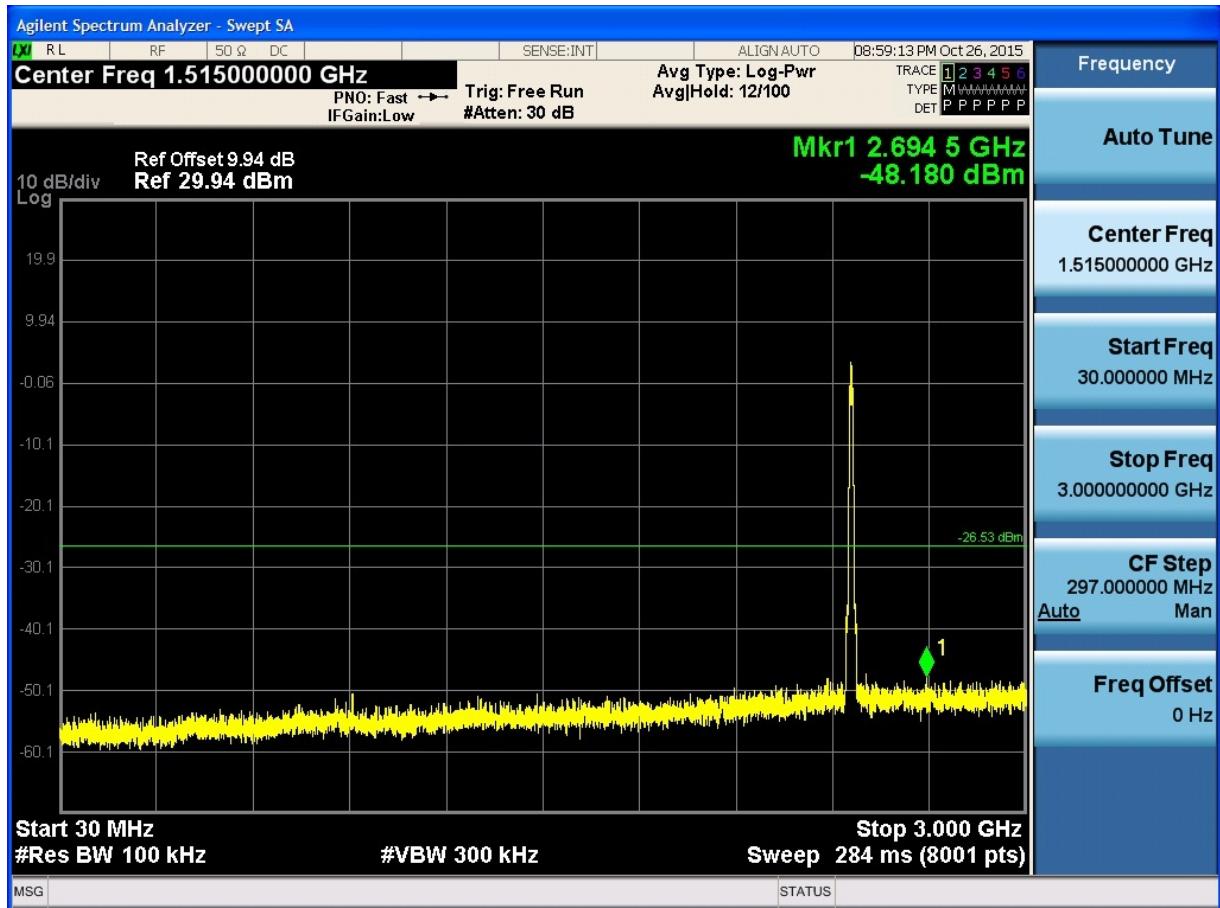
(Plot 4.6.1 B5: Channel 6: 2437MHz @ 802.11b)



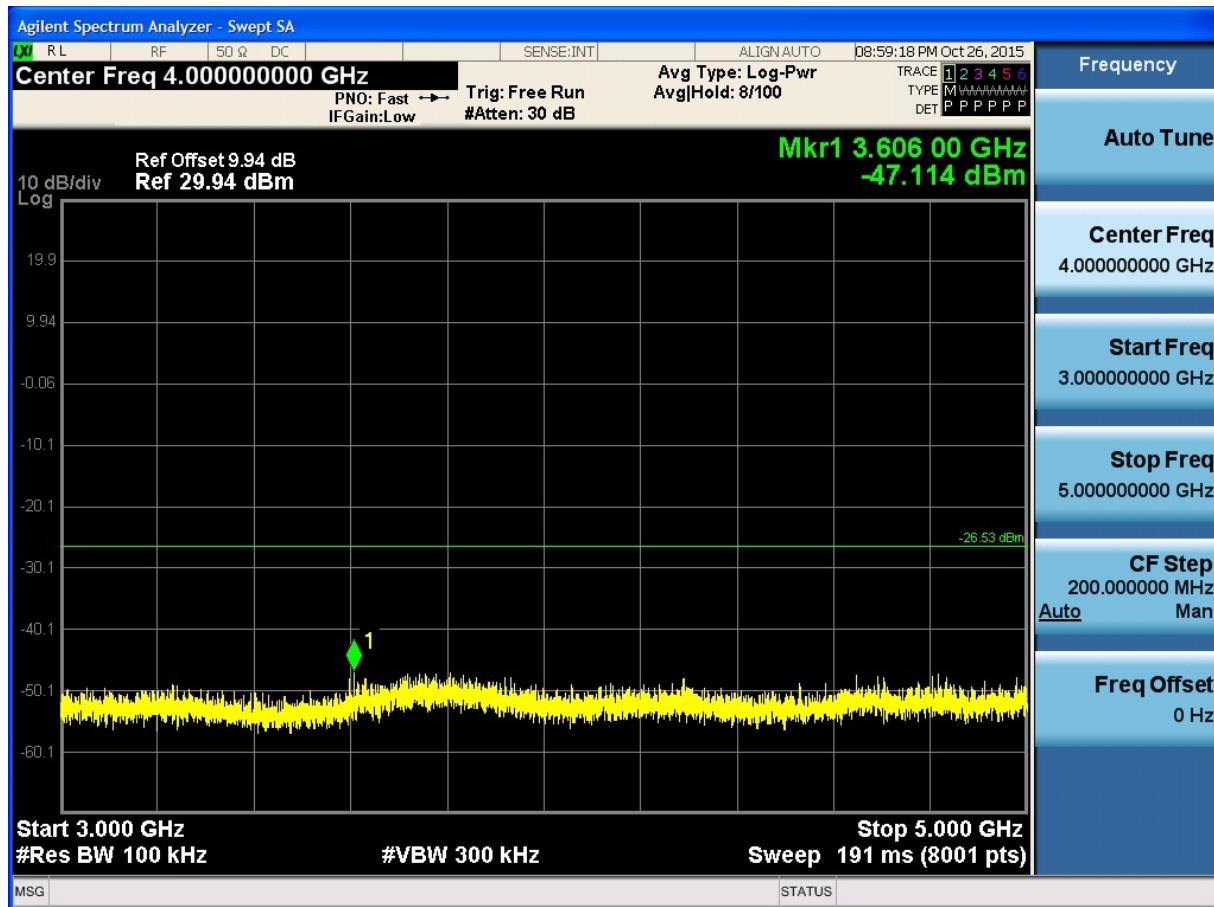
(Plot 4.6.1 B6: Channel 6: 2437MHz @ 802.11b)



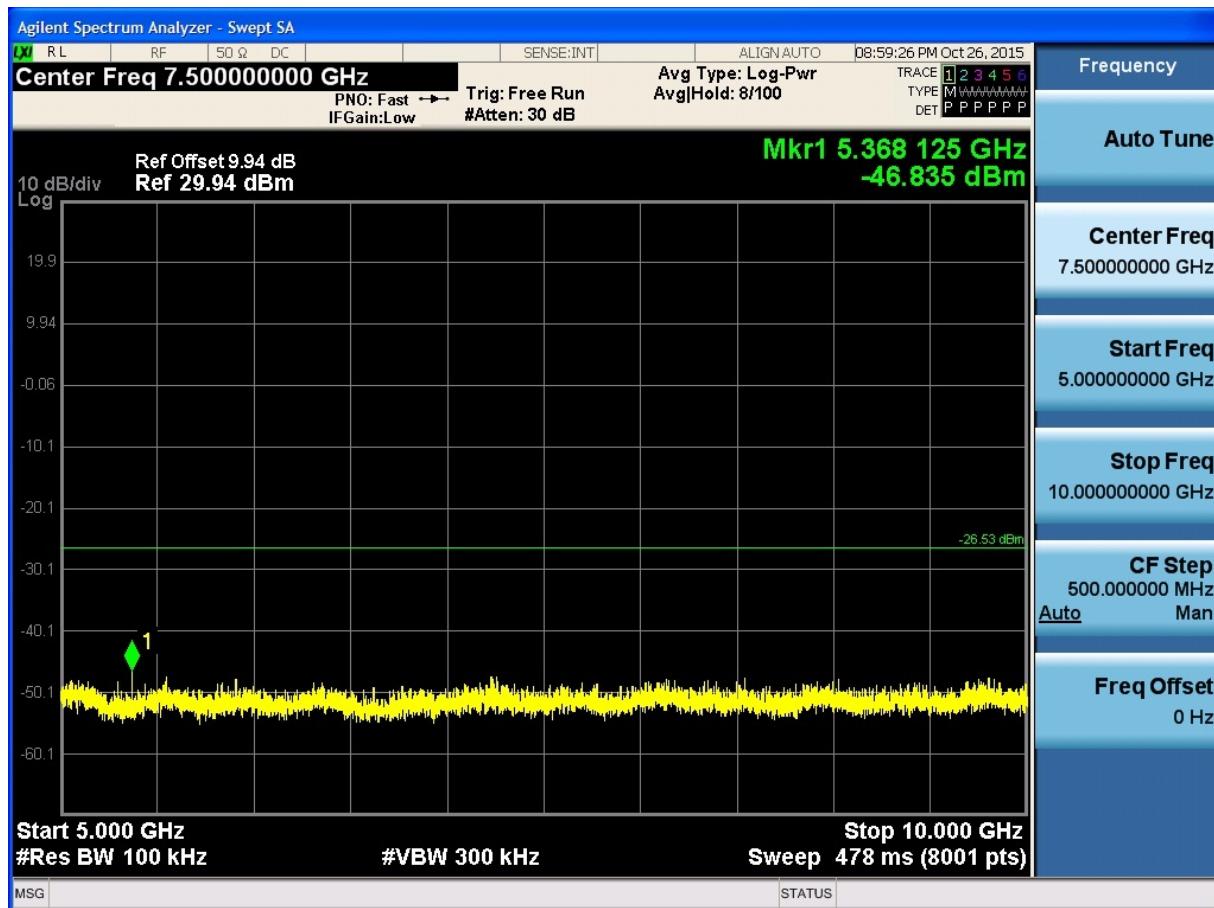
(Plot 4.6.1 C1: Channel 11: 2462MHz @ 802.11b)



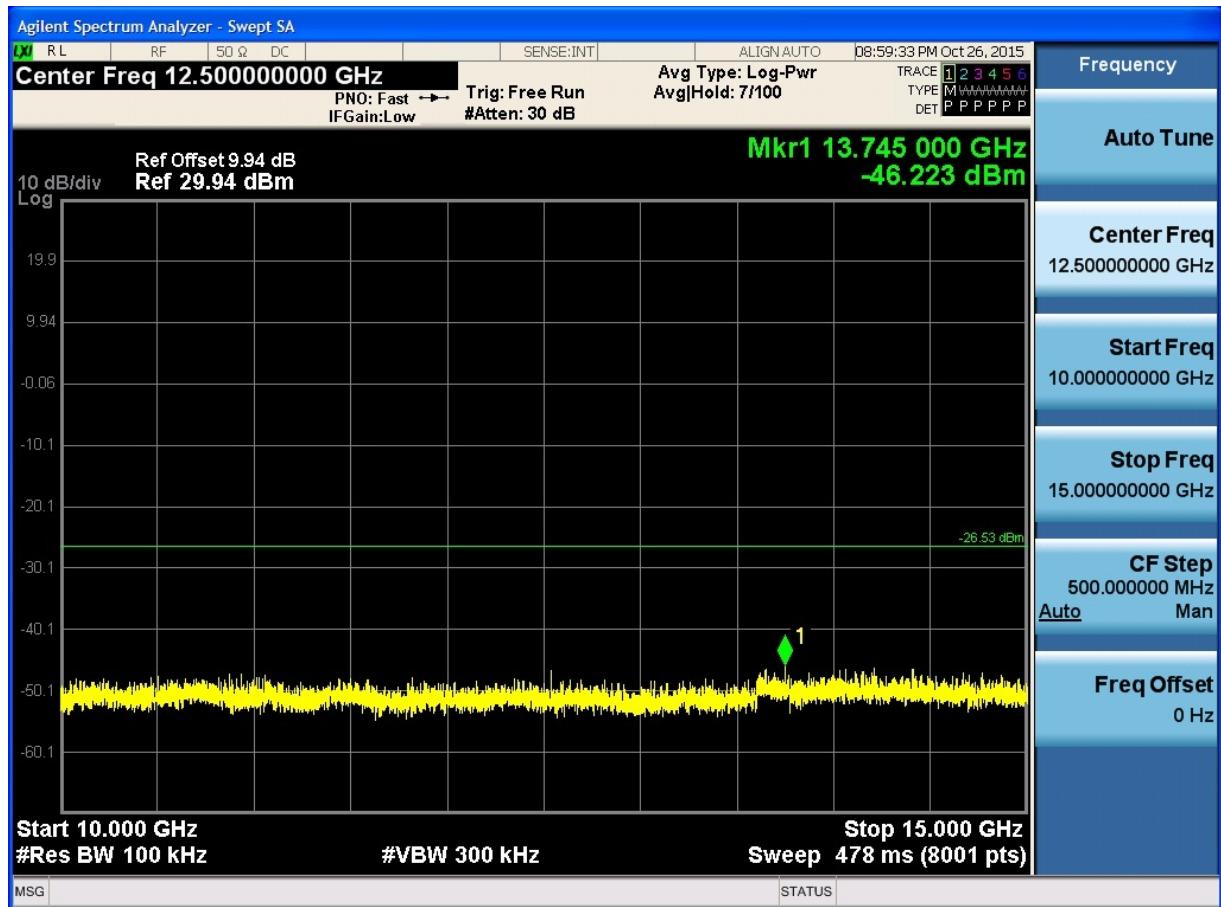
(Plot 4.6.1 C2: Channel 11: 2462MHz @ 802.11b)



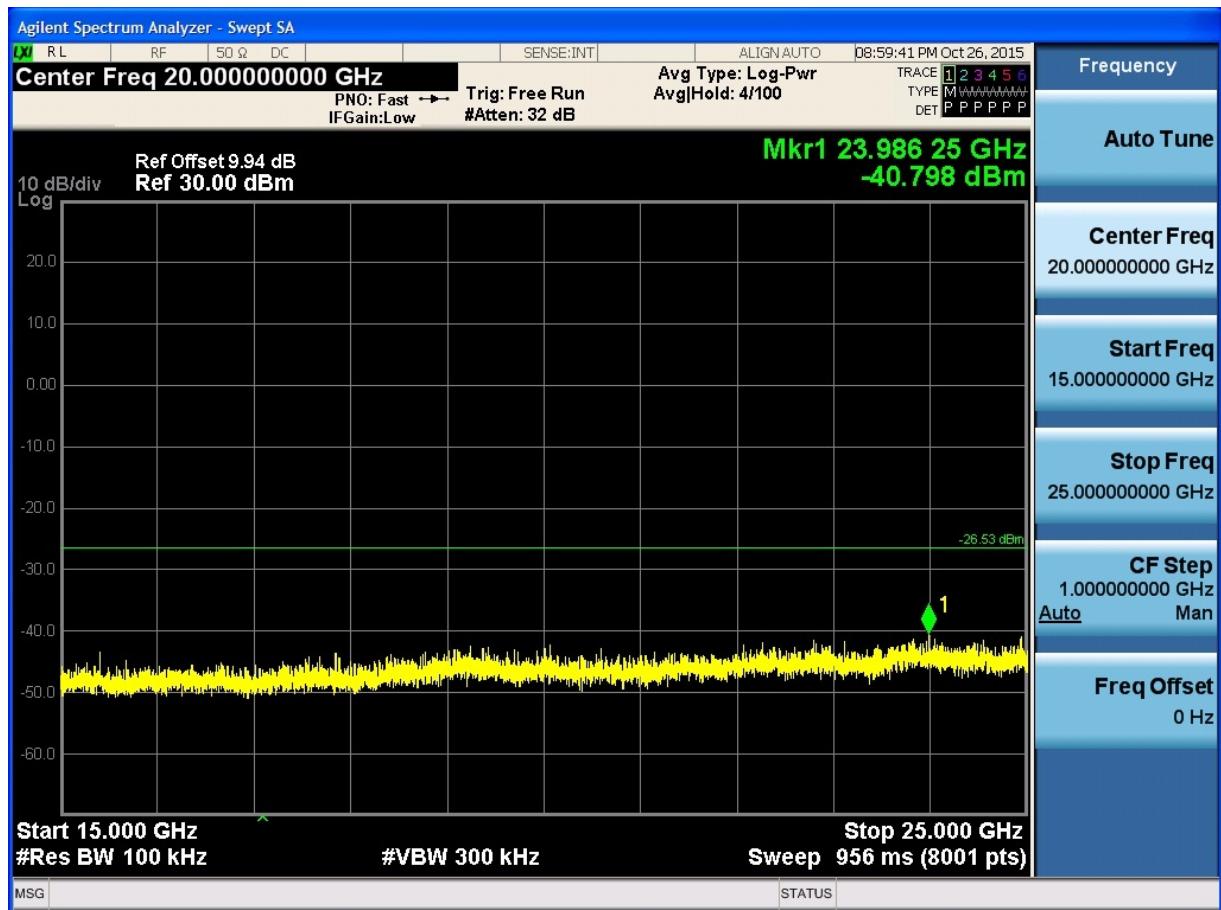
(Plot 4.6.1 C3: Channel 11: 2462MHz @ 802.11b)



(Plot 4.6.1 C4: Channel 11: 2462MHz @ 802.11b)



(Plot 4.6.1 C5: Channel 11: 2462MHz @ 802.11b)



(Plot 4.6.1 C6: Channel 11: 2462MHz @ 802.11b)

4.6.2 802.11g Test Mode

A. Test Verdict

| Channel | Frequency (MHz) | Frequency Range | Refer to Plot | Limit (dBc) | Verdict |
|---------|-----------------|-----------------|---------------|-------------|---------|
| 1 | 2412 | 2.412 GHz | Plot 4.6.2 A1 | --- | PASS |
| | | 30MHz -3GHz | Plot 4.6.2 A2 | -20 | PASS |
| | | 3GHz-.5 GHz | Plot 4.6.2 A3 | -20 | PASS |
| | | 3GHz-.10 GHz | Plot 4.6.2 A4 | -20 | PASS |
| | | 10GHz-.15 GHz | Plot 4.6.2 A5 | -20 | PASS |
| | | 15GHz-.25 GHz | Plot 4.6.2 A6 | -20 | PASS |
| 6 | 2437 | 2.437 GHz | Plot 4.6.2 B1 | --- | PASS |
| | | 30MHz -3GHz | Plot 4.6.2 B2 | -20 | PASS |
| | | 3GHz-.5 GHz | Plot 4.6.2 B3 | -20 | PASS |
| | | 3GHz-.10 GHz | Plot 4.6.2 B4 | -20 | PASS |
| | | 10GHz-.15 GHz | Plot 4.6.2 B5 | -20 | PASS |
| | | 15GHz-.25 GHz | Plot 4.6.2 B6 | -20 | PASS |
| 11 | 2462 | 2.462 GHz | Plot 4.6.2 C1 | --- | PASS |
| | | 30MHz -3GHz | Plot 4.6.2 C2 | -20 | PASS |
| | | 3GHz-.5 GHz | Plot 4.6.2 C3 | -20 | PASS |
| | | 3GHz-.10 GHz | Plot 4.6.2 C4 | -20 | PASS |
| | | 10GHz-.15 GHz | Plot 4.6.2 C5 | -20 | PASS |
| | | 15GHz-.25 GHz | Plot 4.6.2 C6 | -20 | PASS |

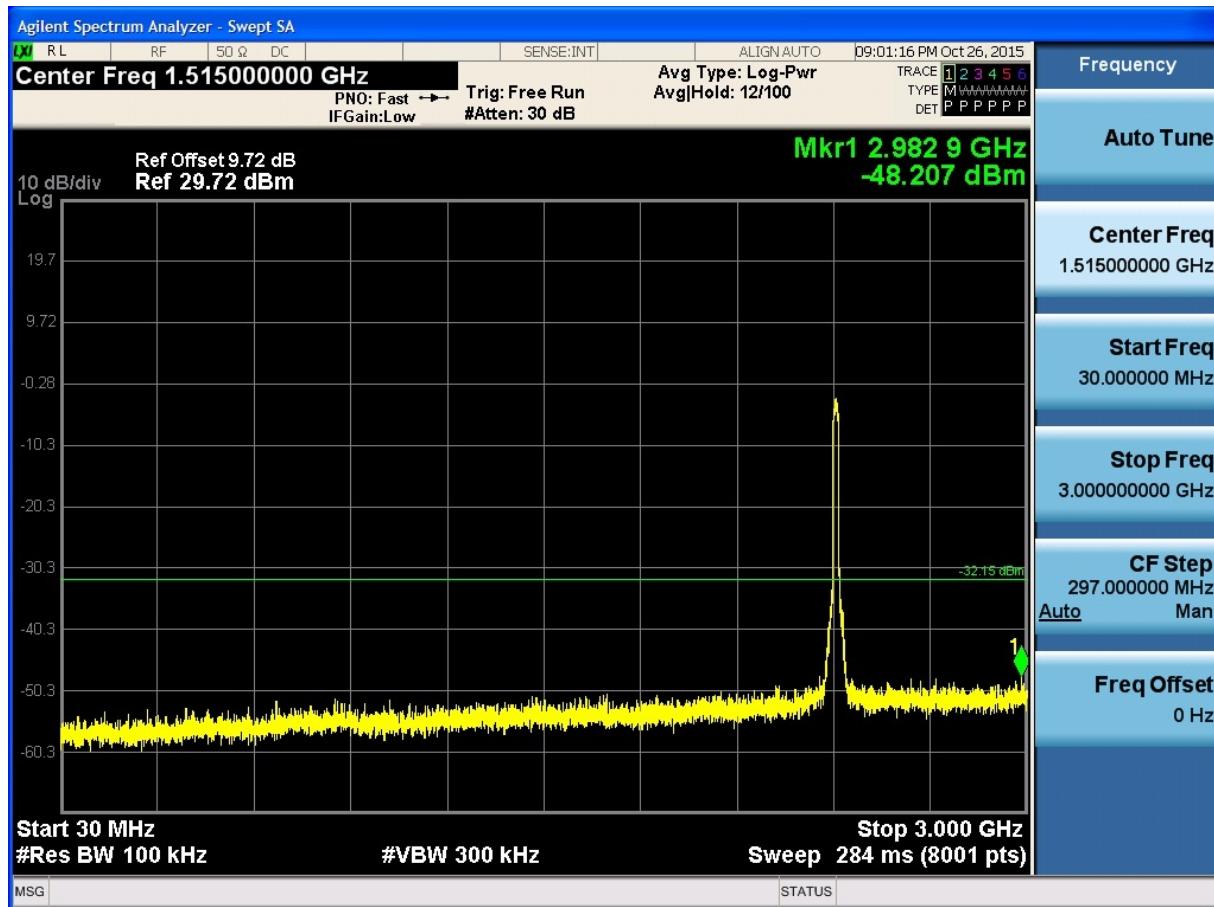
Note:

1. For 802.11g mode at final test to get the worst-case emission at 6Mbps.
2. The test results including the cable loss.
3. For 9KHz -30MHz, Because there was only background, So We did not recorded data.

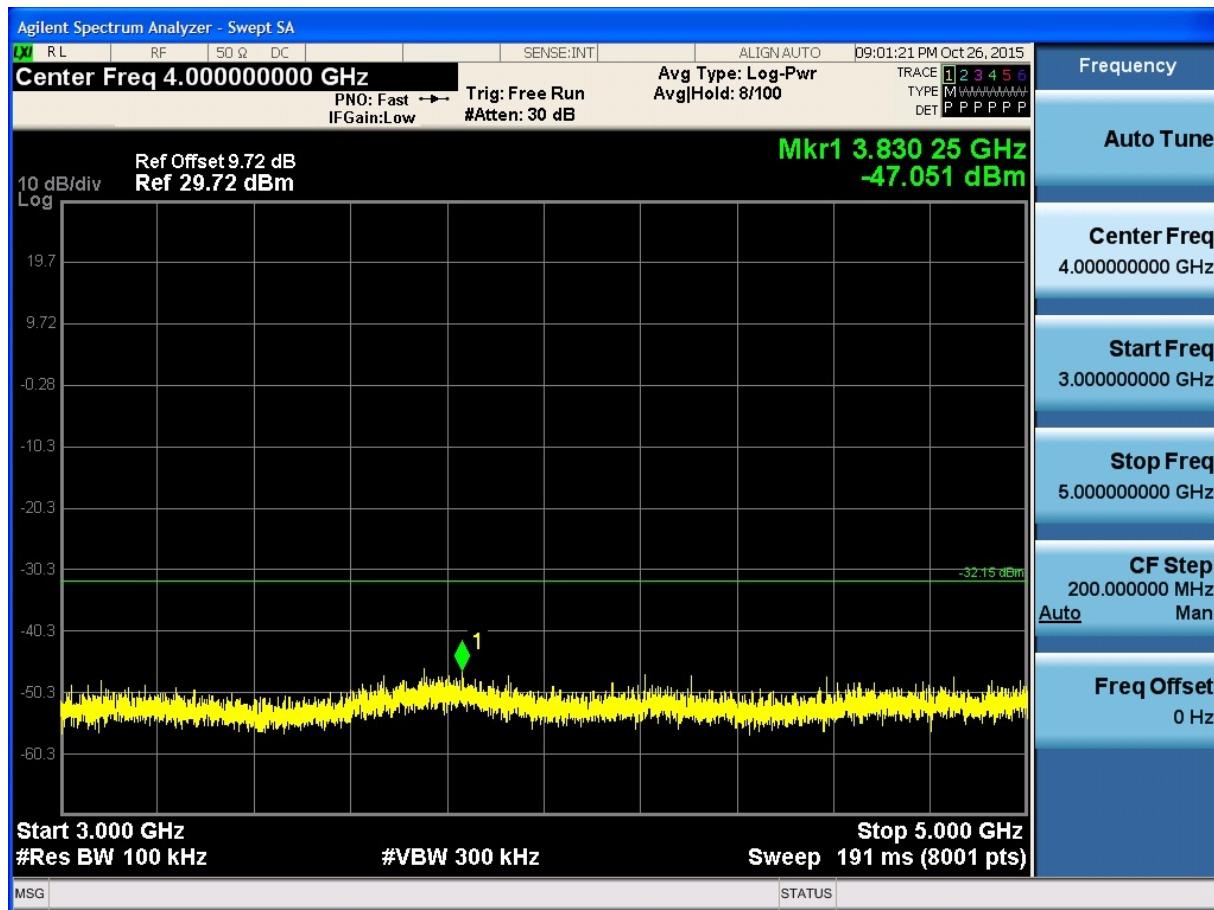
B. Test Plots



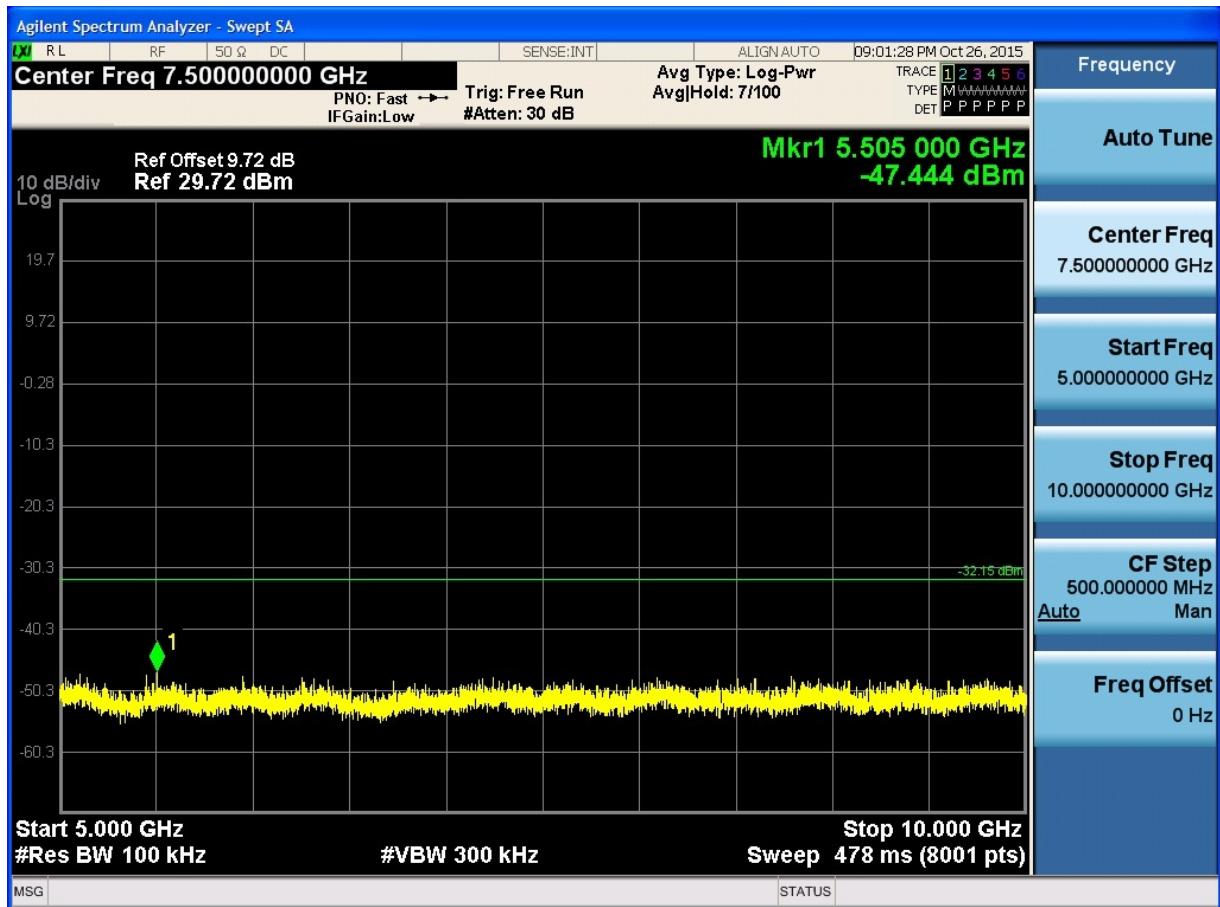
(Plot 4.6.2 A1: Channel 1: 2412MHz @ 802.11g)



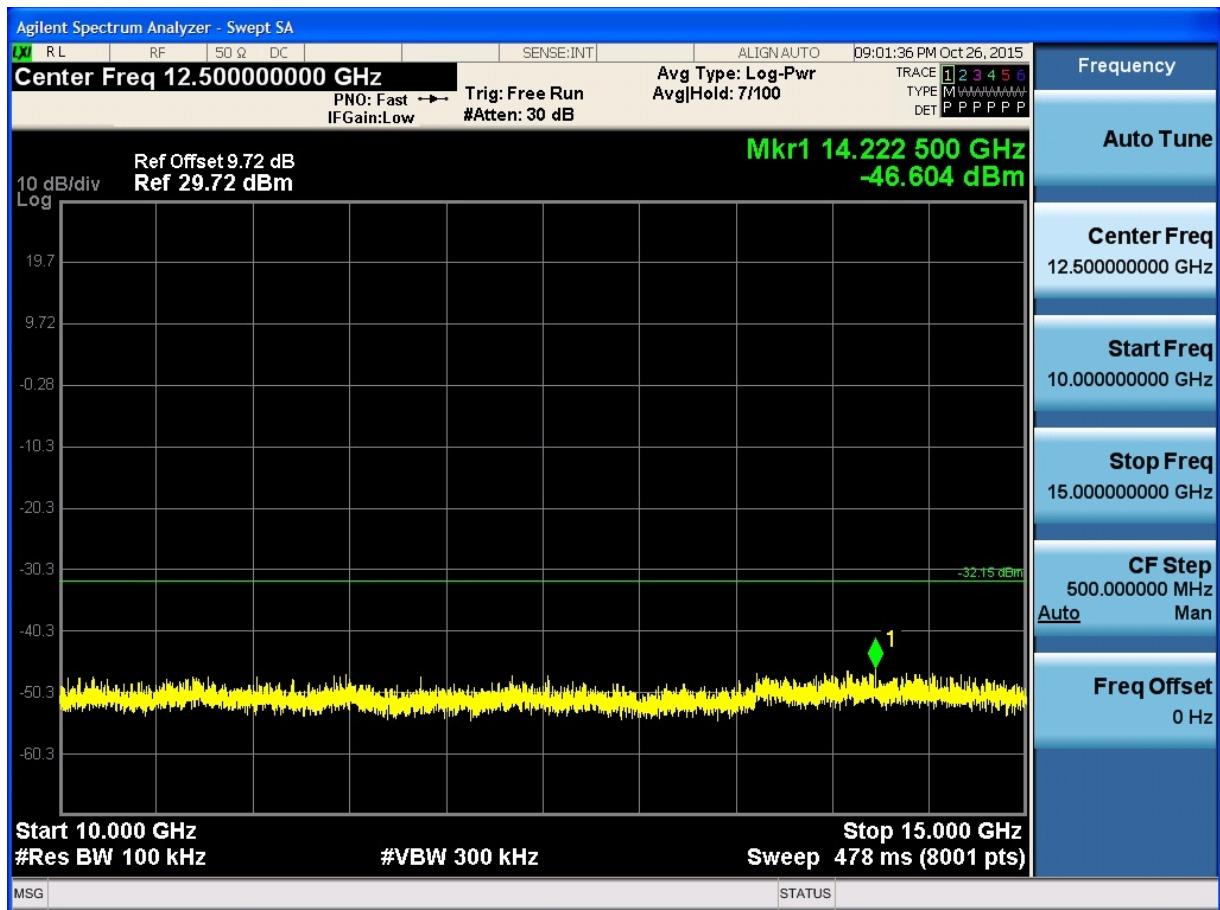
(Plot 4.6.2 A2: Channel 1: 2412MHz @ 802.11g)



(Plot 4.6.2 A3: Channel 1: 2412MHz @ 802.11g)



(Plot 4.6.2 A4: Channel 1: 2412MHz @ 802.11g)



(Plot 4.6.2 A5: Channel 1: 2412MHz @ 802.11g)