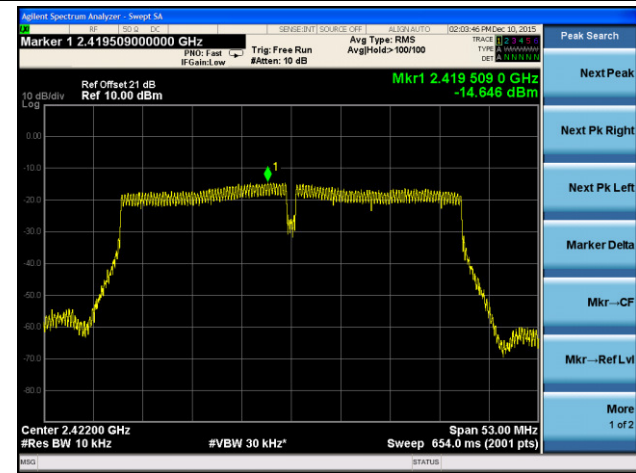
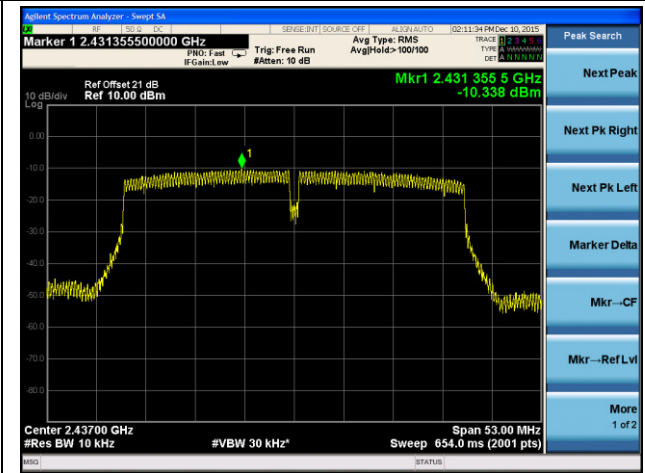


802.11n-HT40 AVGPDS - Ant 1 / Ant 0 + 1 + 2

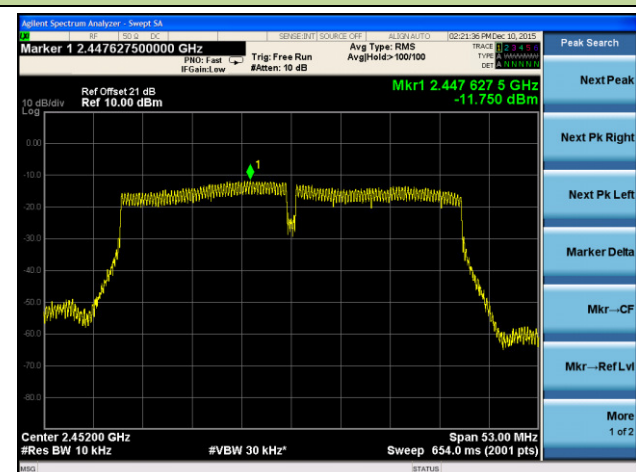
Channel 03 (2422MHz)



Channel 06 (2437MHz)

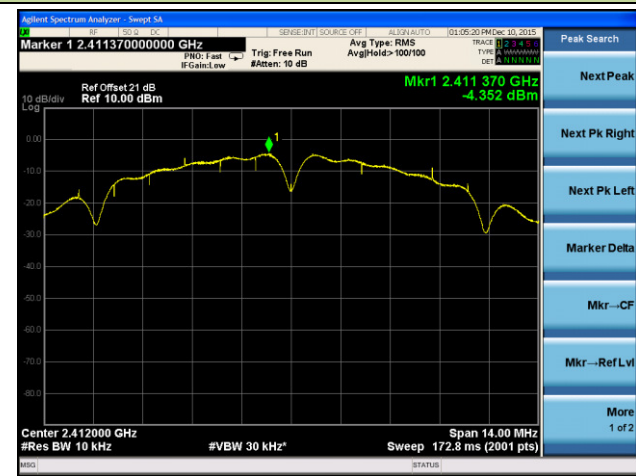


Channel 09 (2452MHz)



802.11b AVGPDS - Ant 2 / Ant 0 + 1 + 2

Channel 01 (2412MHz)



Channel 06 (2437MHz)

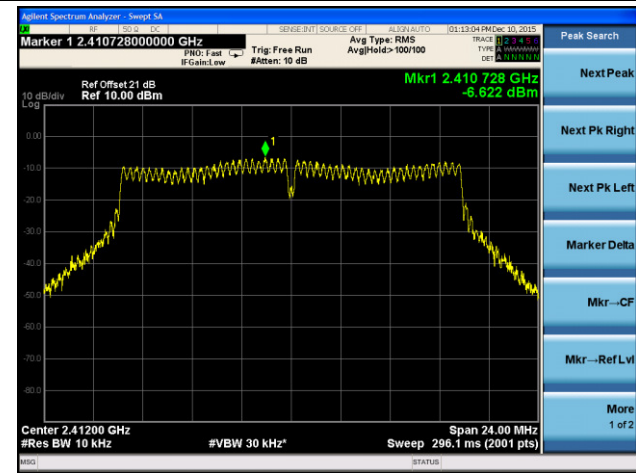


Channel 11 (2462MHz)

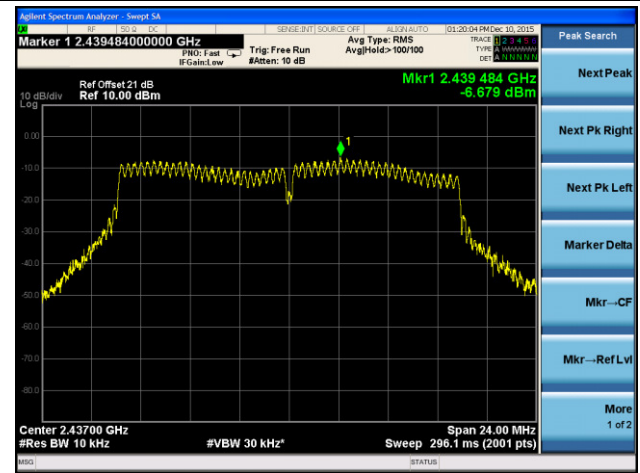


802.11g AVGPDS - Ant 2 / Ant 0 + 1 + 2

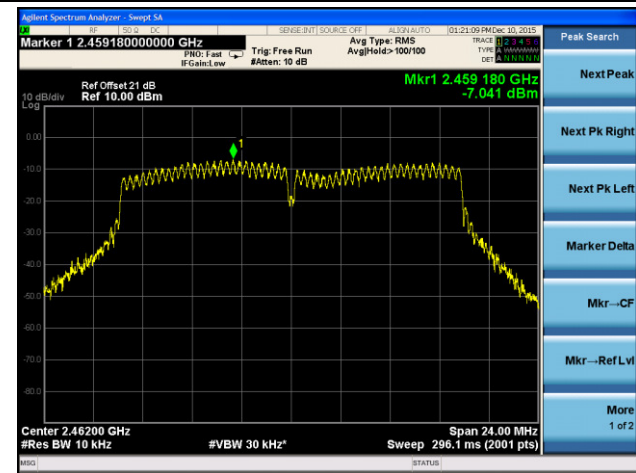
Channel 01 (2412MHz)



Channel 06 (2437MHz)

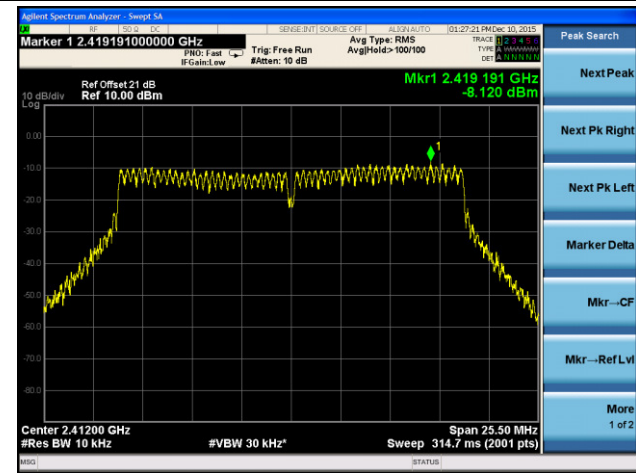


Channel 11 (2462MHz)

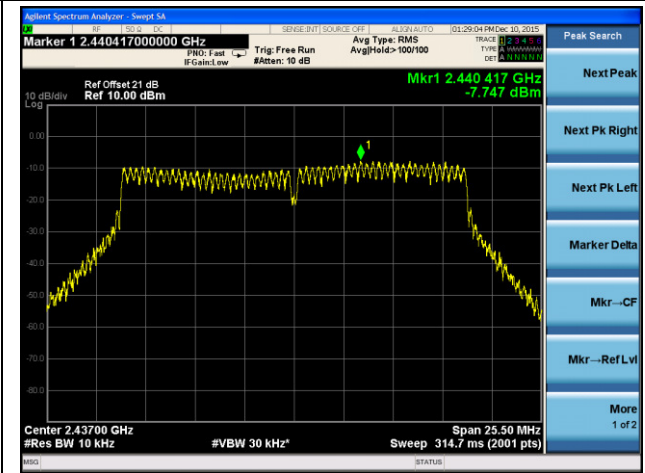


802.11n-HT20 AVGPDS - Ant 2 / Ant 0 + 1 + 2

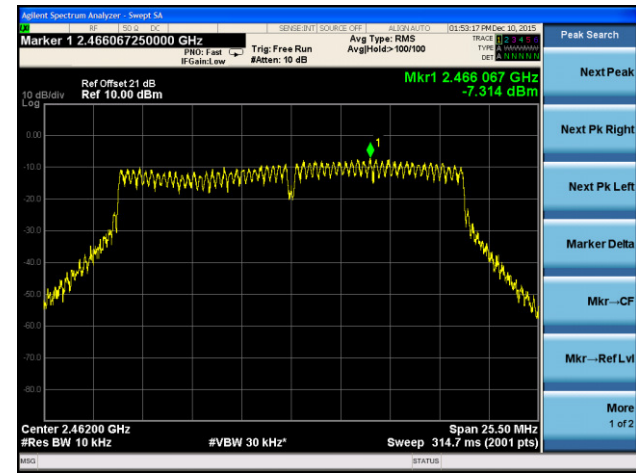
Channel 01 (2412MHz)



Channel 06 (2437MHz)

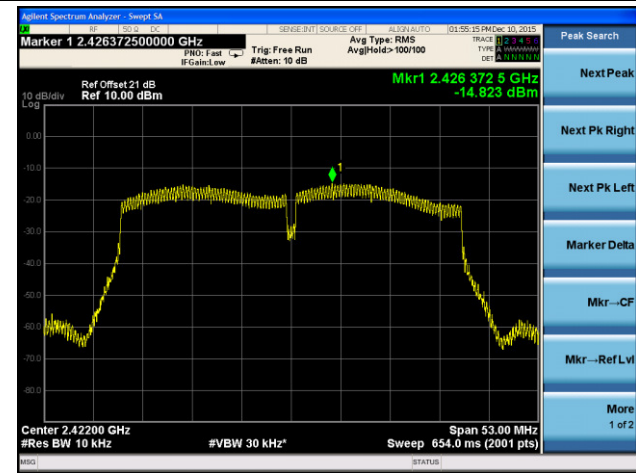


Channel 11 (2462MHz)

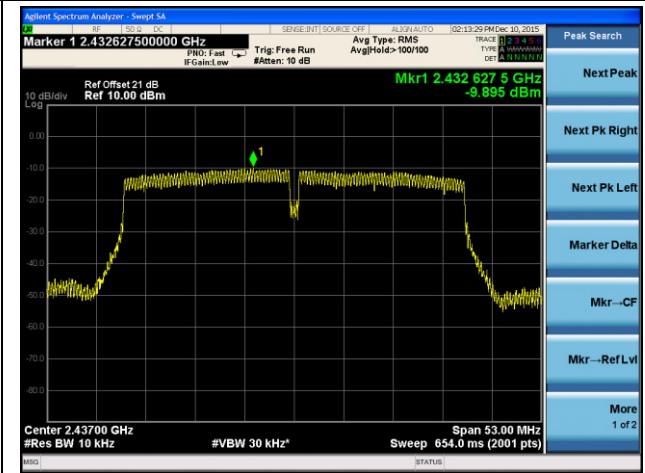


802.11n-HT40 AVGPDS - Ant 2 / Ant 0 + 1 + 2

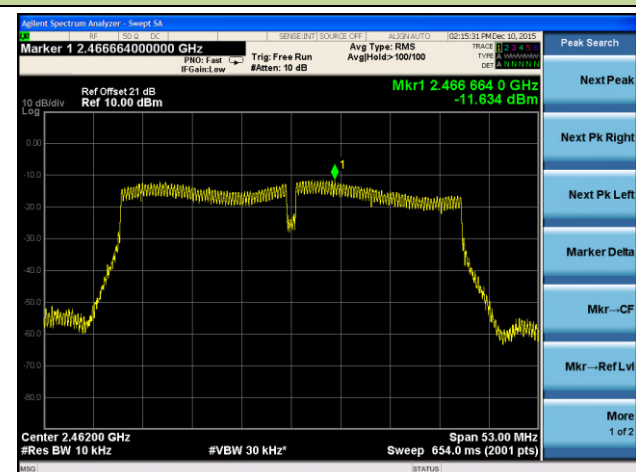
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



7.5. Conducted Band Edge and Out-of-Band Emissions

7.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 30dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

7.5.2. Test Procedure Used

KDB 558074 D01v03r03 - Section 11.2 & Section 11.3

7.5.3. Test Setting

1. Reference level measurement

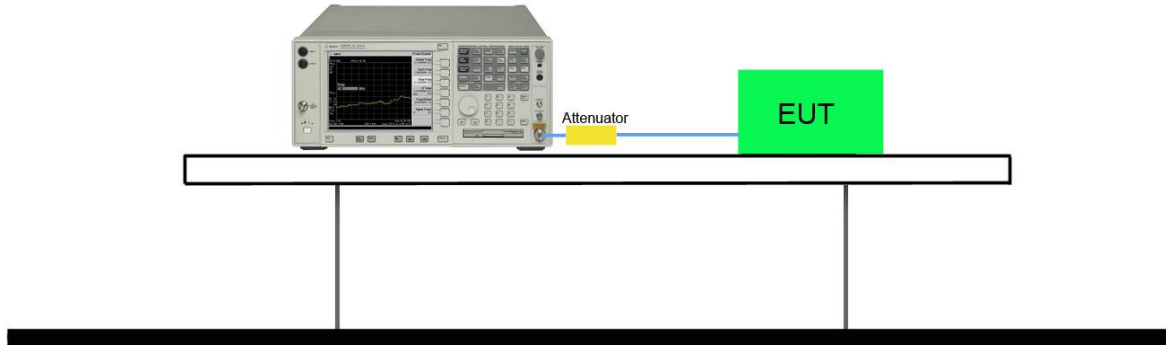
- (a) Set instrument center frequency to DTS channel center frequency
- (b) Set the span to ≥ 1.5 times the DTS bandwidth
- (c) Set the RBW = 100 kHz
- (d) Set the VBW $\geq 3 \times$ RBW
- (e) Detector = peak
- (f) Sweep time = auto couple
- (g) Trace mode = max hold
- (h) Allow trace to fully stabilize

2. Emission level measurement

- (a) Set the center frequency and span to encompass frequency range to be measured
- (b) RBW = 100kHz
- (c) VBW = 300kHz
- (d) Detector = Peak
- (e) Trace mode = max hold
- (f) Sweep time = auto couple
- (g) The trace was allowed to stabilize

7.5.4. Test Setup

Spectrum Analyzer



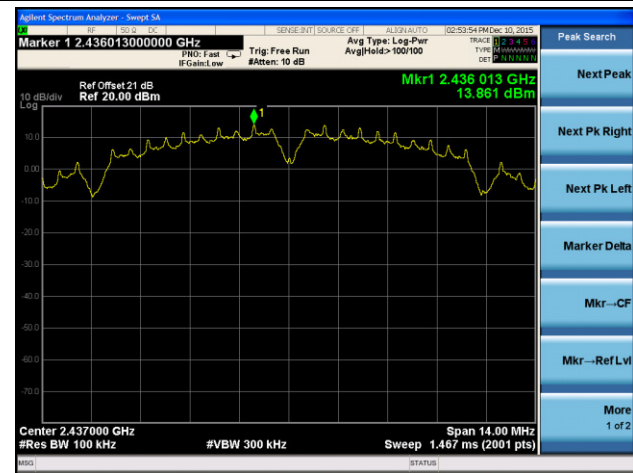
7.5.5. Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Limit	Result
Ant 0 / Ant 0 + 1 + 2					
802.11b	1	01	2412	30dBc	Pass
802.11b	1	06	2437	30dBc	Pass
802.11b	1	11	2462	30dBc	Pass
802.11g	6	01	2412	30dBc	Pass
802.11g	6	06	2437	30dBc	Pass
802.11g	6	11	2462	30dBc	Pass
802.11n-HT20	19.5	01	2412	30dBc	Pass
802.11n-HT20	19.5	06	2437	30dBc	Pass
802.11n-HT20	19.5	11	2462	30dBc	Pass
802.11n-HT40	40.5	03	2422	30dBc	Pass
802.11n-HT40	40.5	06	2437	30dBc	Pass
802.11n-HT40	40.5	09	2452	30dBc	Pass
Ant 1 / Ant 0 + 1 + 2					
802.11b	1	01	2412	30dBc	Pass
802.11b	1	06	2437	30dBc	Pass
802.11b	1	11	2462	30dBc	Pass
802.11g	6	01	2412	30dBc	Pass
802.11g	6	06	2437	30dBc	Pass
802.11g	6	11	2462	30dBc	Pass
802.11n-HT20	19.5	01	2412	30dBc	Pass
802.11n-HT20	19.5	06	2437	30dBc	Pass
802.11n-HT20	19.5	11	2462	30dBc	Pass
802.11n-HT40	40.5	03	2422	30dBc	Pass
802.11n-HT40	40.5	06	2437	30dBc	Pass
802.11n-HT40	40.5	09	2452	30dBc	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Limit	Result
Ant 2 / Ant 0 + 1 + 2					
802.11b	1	01	2412	30dBc	Pass
802.11b	1	06	2437	30dBc	Pass
802.11b	1	11	2462	30dBc	Pass
802.11g	6	01	2412	30dBc	Pass
802.11g	6	06	2437	30dBc	Pass
802.11g	6	11	2462	30dBc	Pass
802.11n-HT20	19.5	01	2412	30dBc	Pass
802.11n-HT20	19.5	06	2437	30dBc	Pass
802.11n-HT20	19.5	11	2462	30dBc	Pass
802.11n-HT40	40.5	03	2422	30dBc	Pass
802.11n-HT40	40.5	06	2437	30dBc	Pass
802.11n-HT40	40.5	09	2452	30dBc	Pass

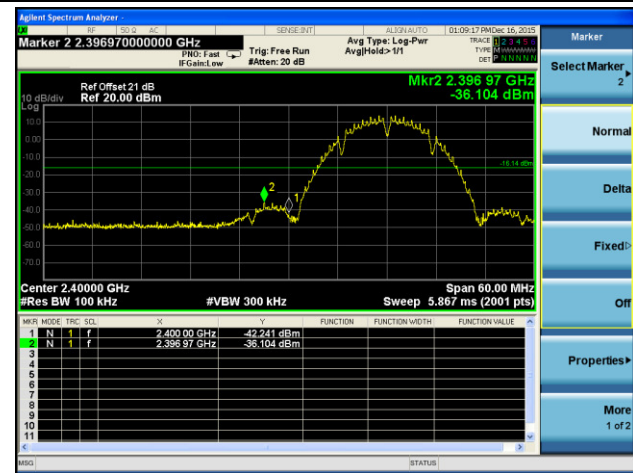
802.11b Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2

100kHz PSD Reference Level

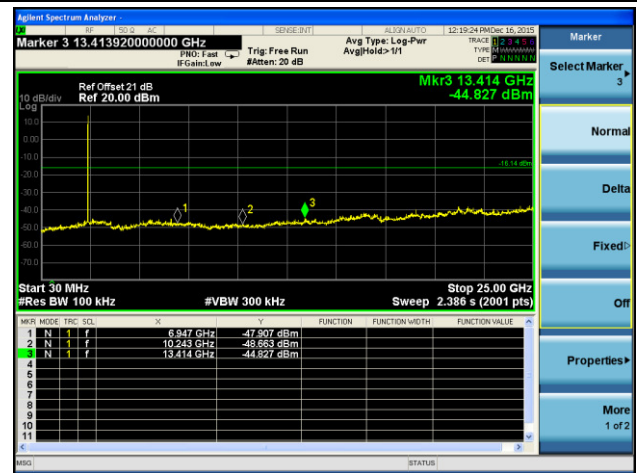


Channel 01 (2412MHz)

Low Band Edge

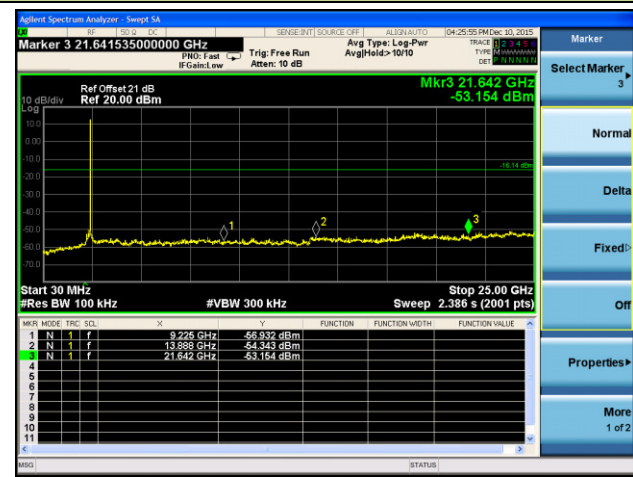


Spurious Emission



Channel 06 (2437MHz)

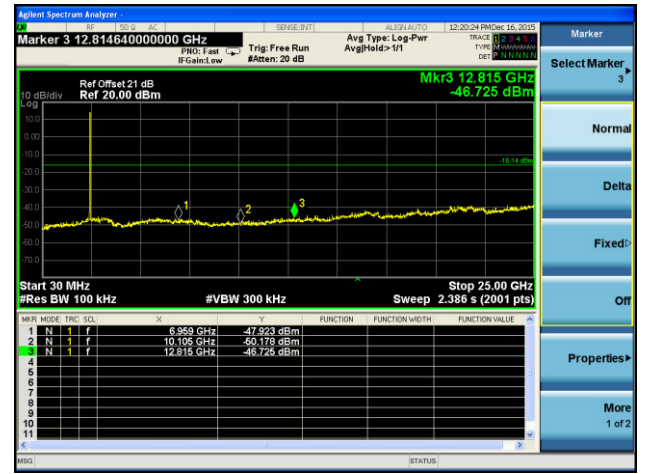
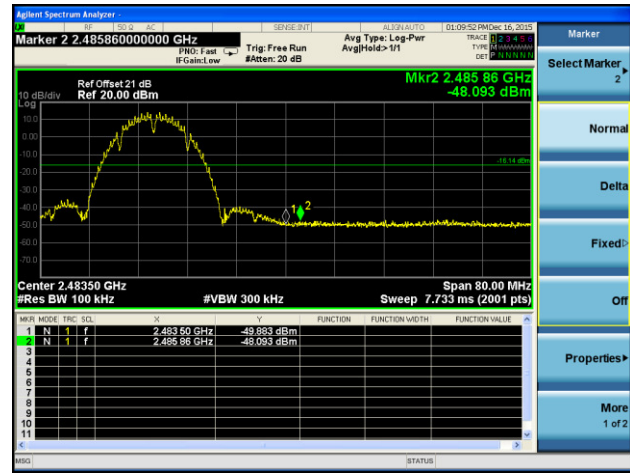
Spurious Emission



Channel 11 (2462MHz)

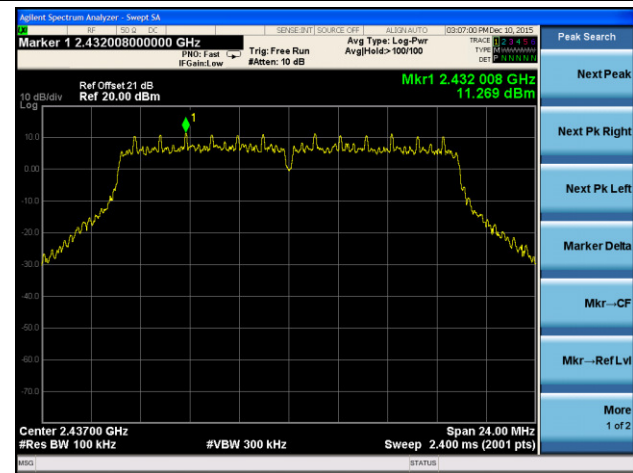
High Band Edge

Spurious Emission



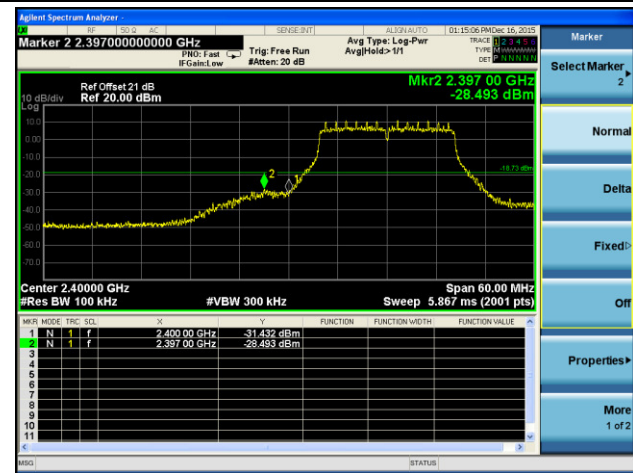
802.11g Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2

100kHz PSD Reference Level



Channel 01 (2412MHz)

Low Band Edge

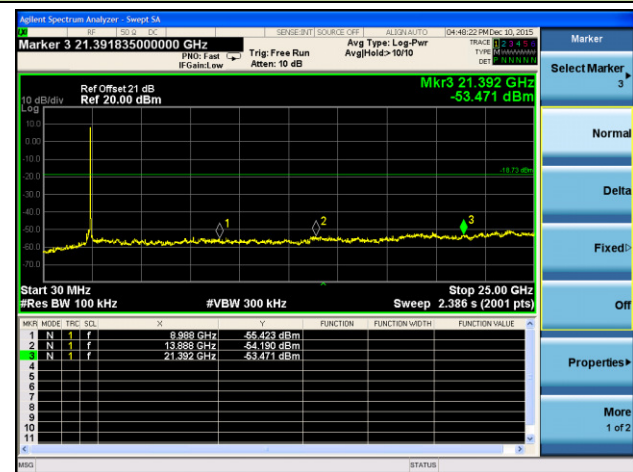


Spurious Emission



Channel 06 (2437MHz)

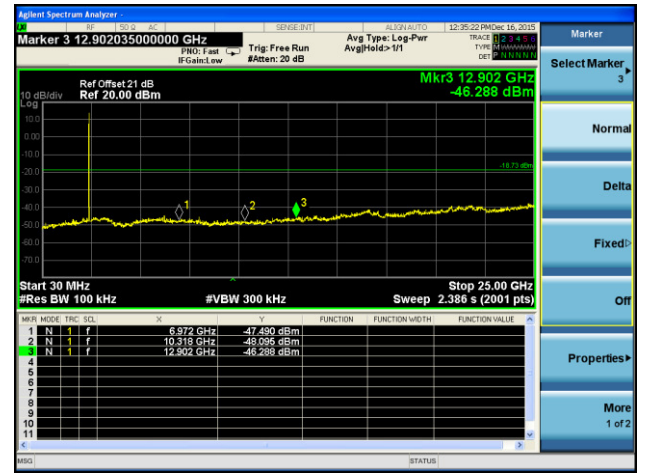
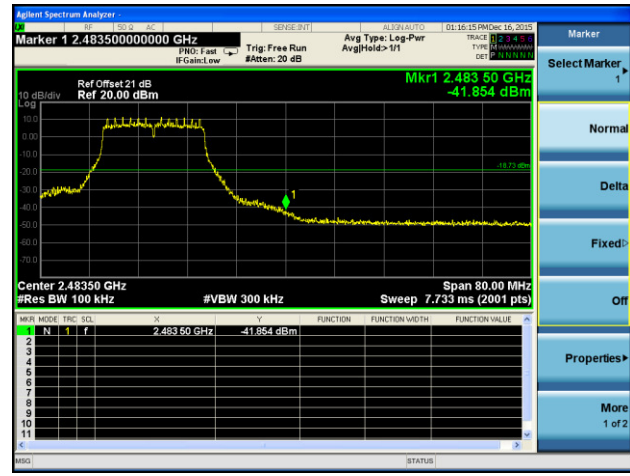
Spurious Emission



Channel 11 (2462MHz)

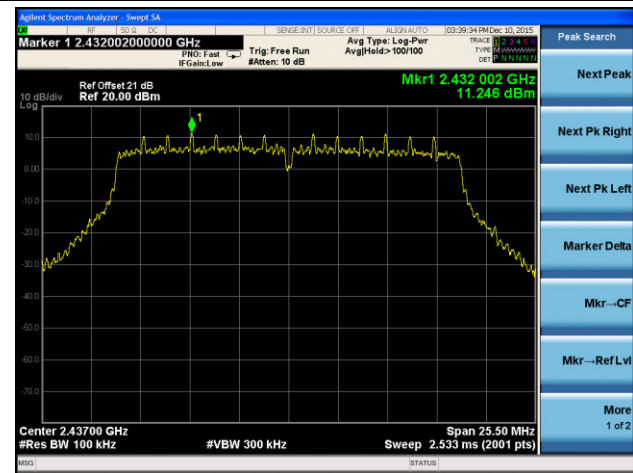
High Band Edge

Spurious Emission



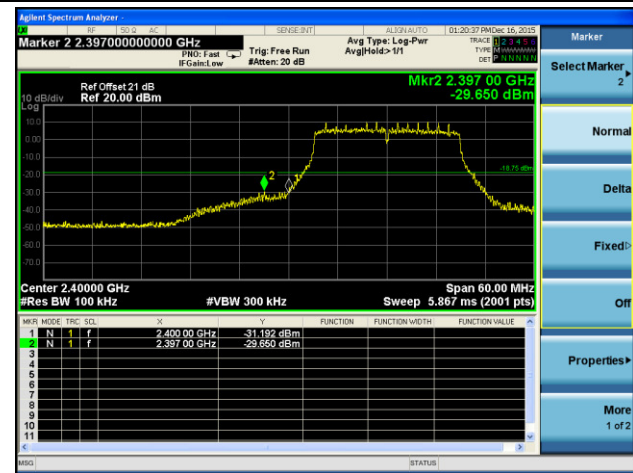
802.11n-HT20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2

100kHz PSD Reference Level

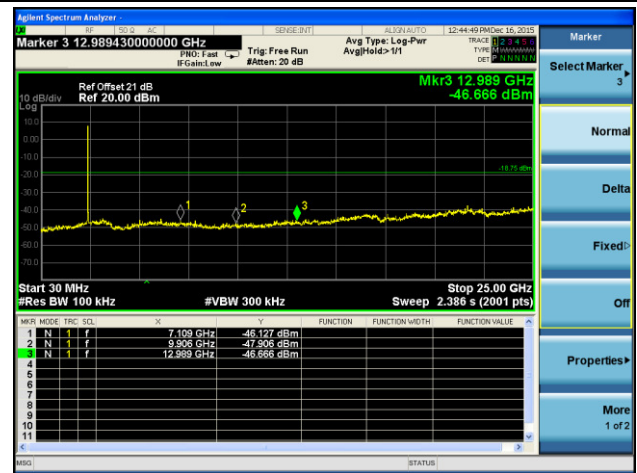


Channel 01 (2412MHz)

Low Band Edge

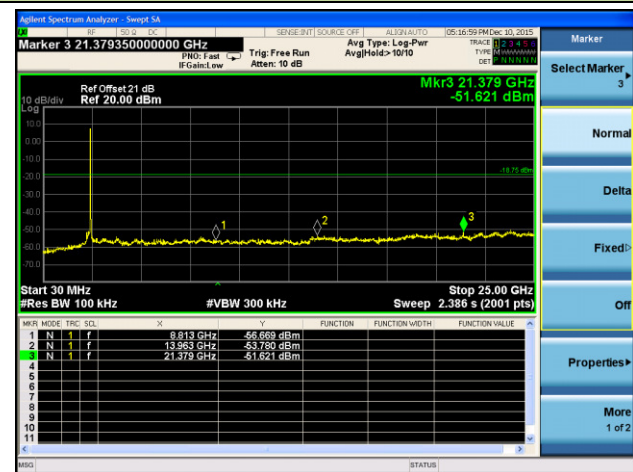


Spurious Emission



Channel 06 (2437MHz)

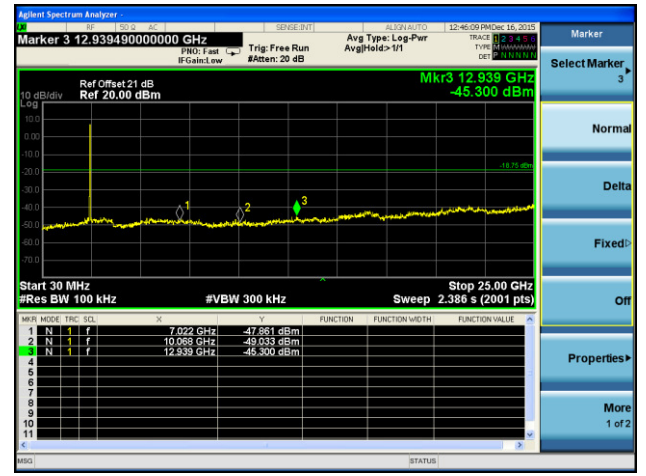
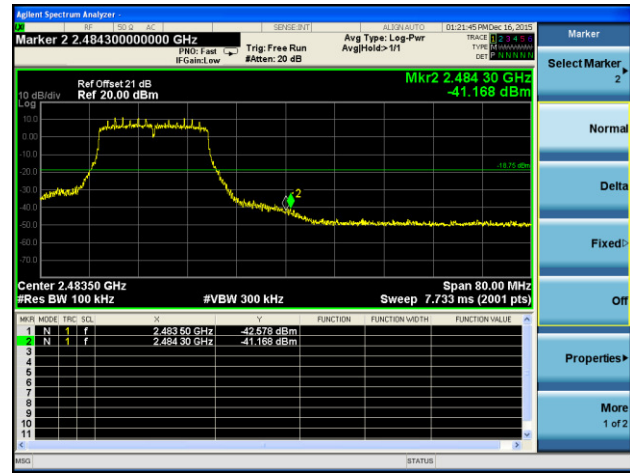
Spurious Emission



Channel 11 (2462MHz)

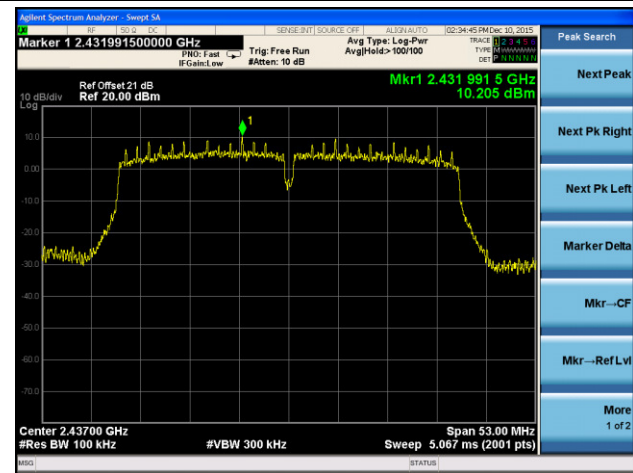
High Band Edge

Spurious Emission



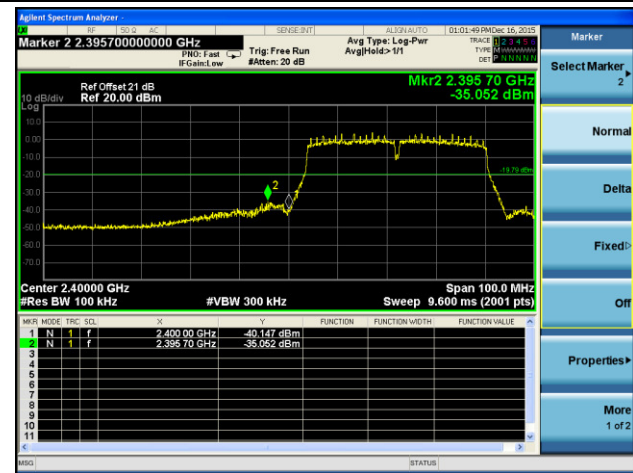
802.11n-HT40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2

100kHz PSD Reference Level

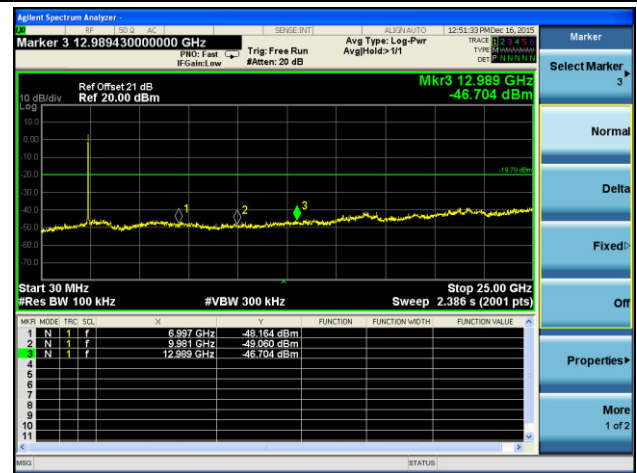


Channel 03 (2422MHz)

Low Band Edge

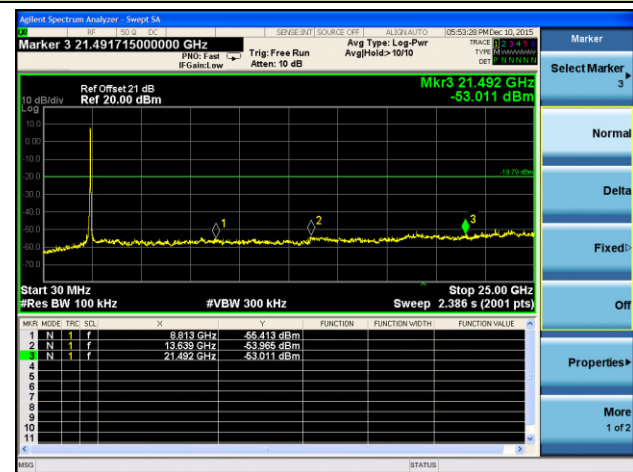


Spurious Emission



Channel 06 (2437MHz)

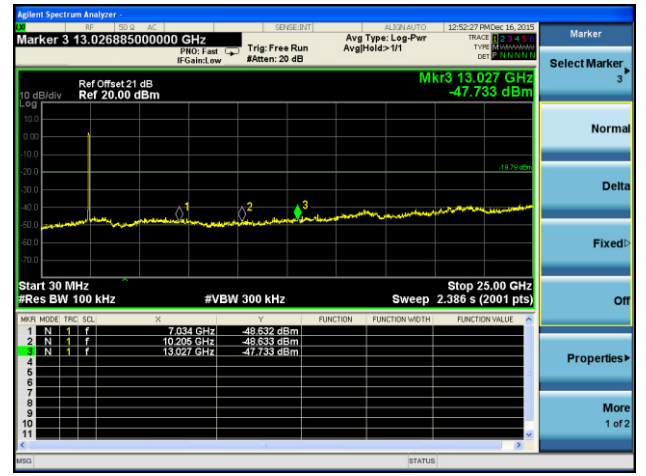
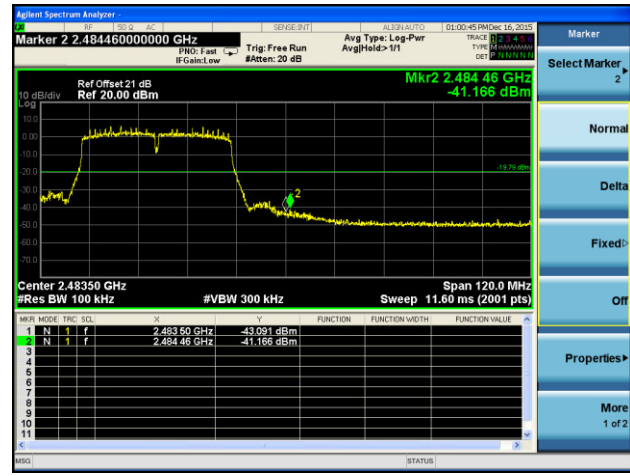
Spurious Emission



Channel 09 (2452MHz)

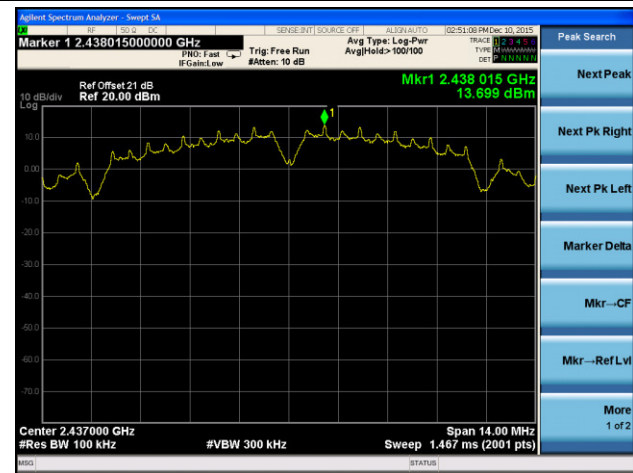
High Band Edge

Spurious Emission



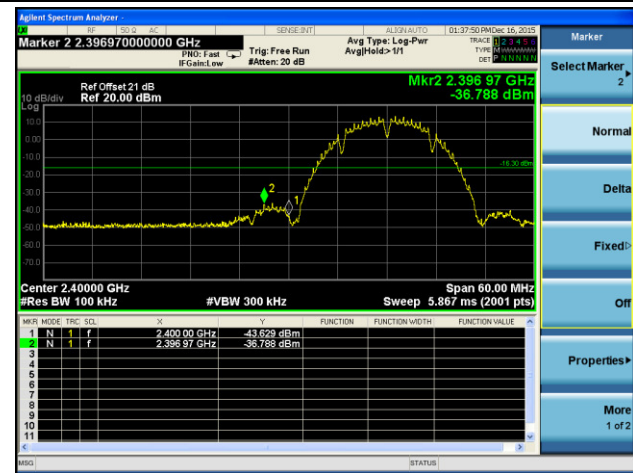
802.11b Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2

100kHz PSD Reference Level

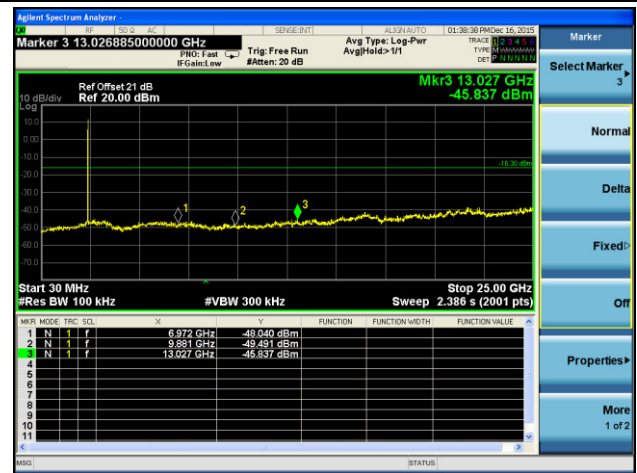


Channel 01 (2412MHz)

Low Band Edge

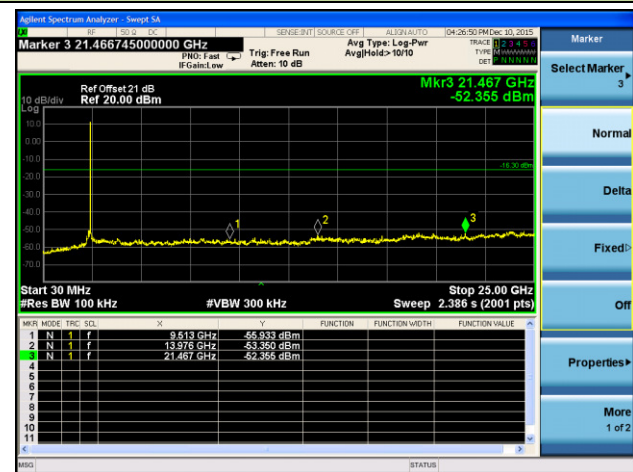


Spurious Emission



Channel 06 (2437MHz)

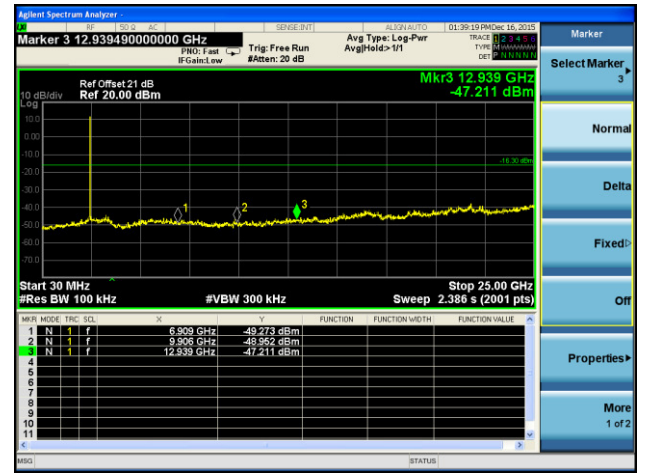
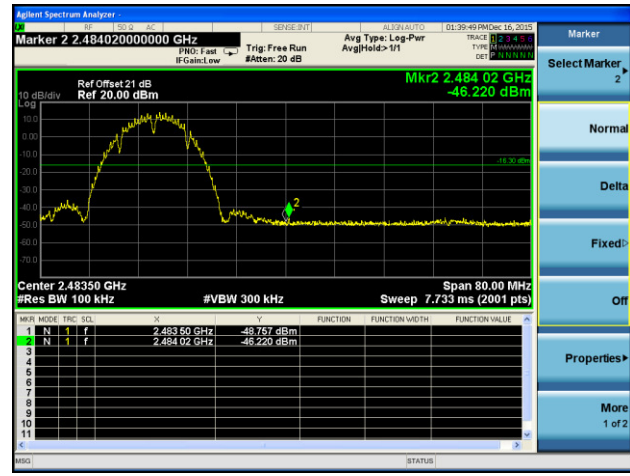
Spurious Emission



Channel 11 (2462MHz) - Ant 1 / Ant 0 + 1 + 2

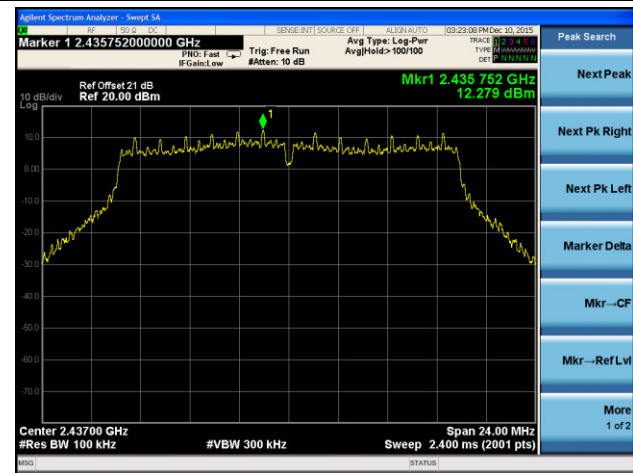
High Band Edge

Spurious Emission



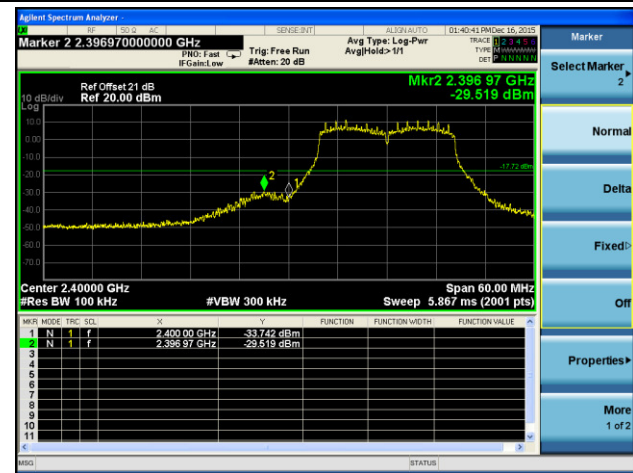
802.11g Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2

100kHz PSD Reference Level

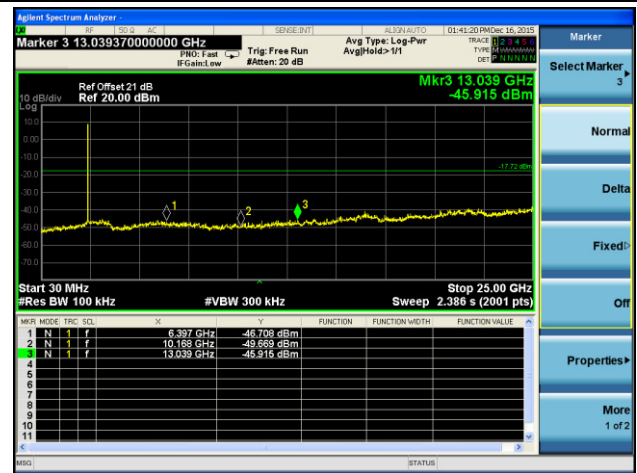


Channel 01 (2412MHz)

Low Band Edge

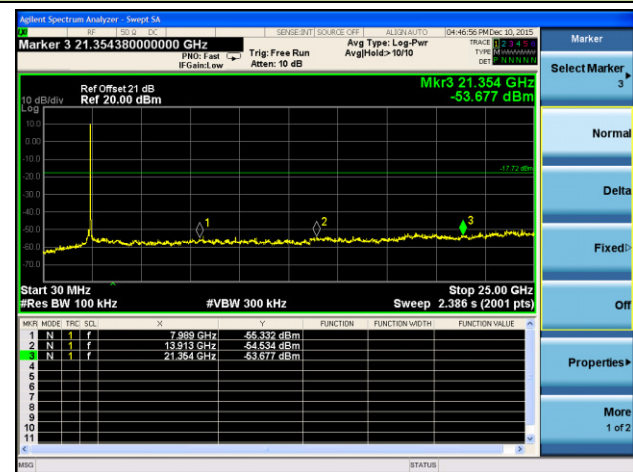


Spurious Emission



Channel 06 (2437MHz)

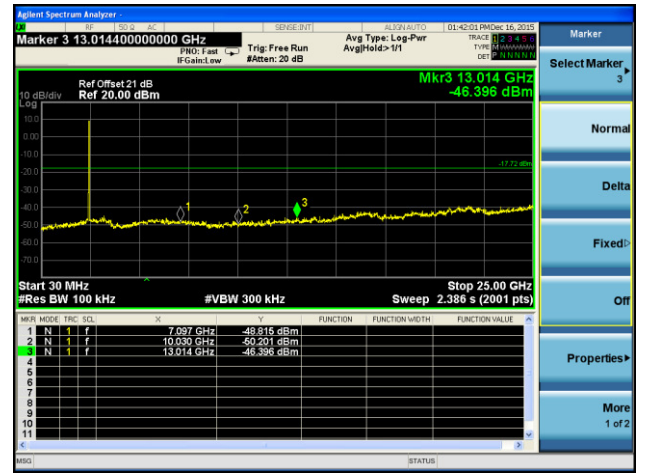
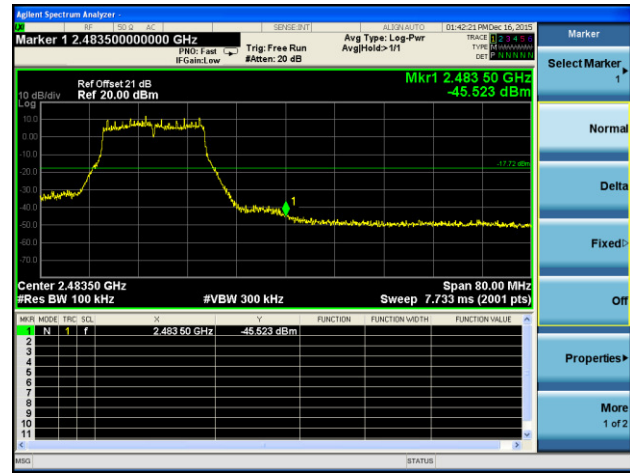
Spurious Emission



Channel 11 (2462MHz)

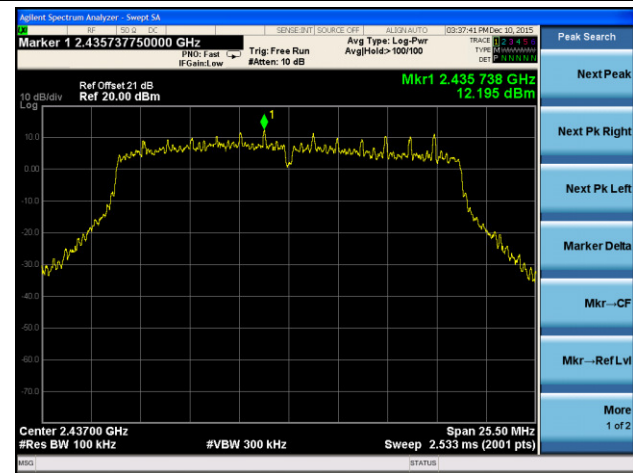
High Band Edge

Spurious Emission



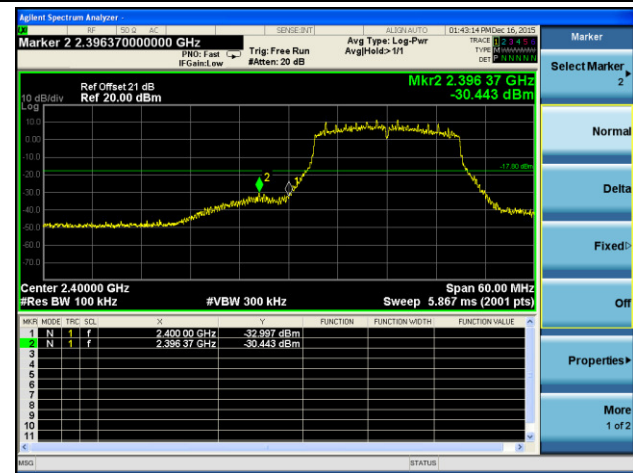
802.11n-HT20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2

100kHz PSD Reference Level

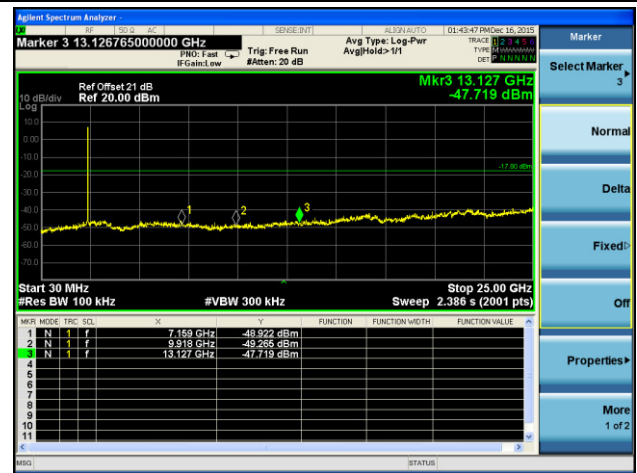


Channel 01 (2412MHz)

Low Band Edge

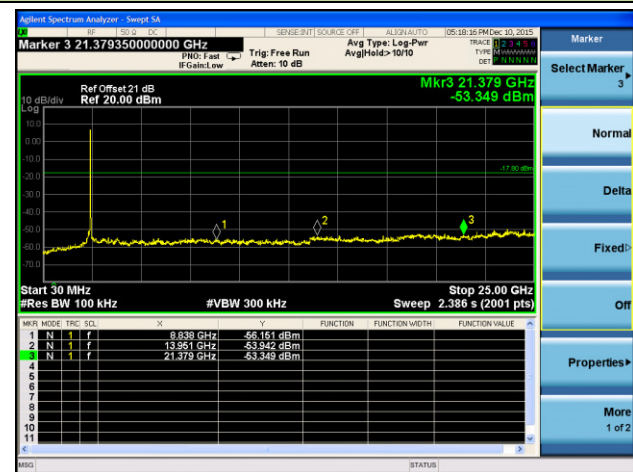


Spurious Emission



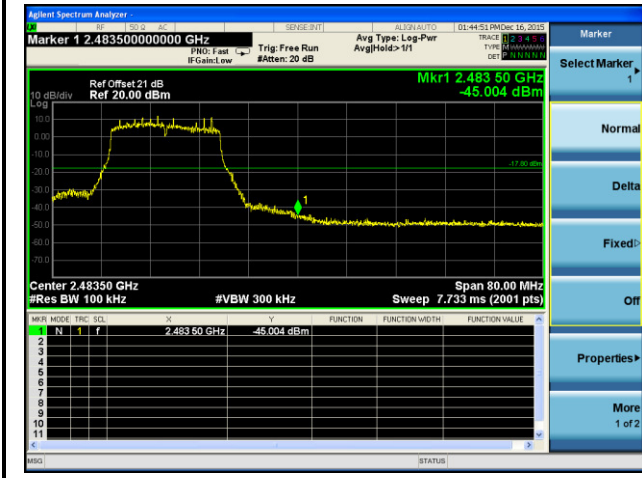
Channel 06 (2437MHz)

Spurious Emission

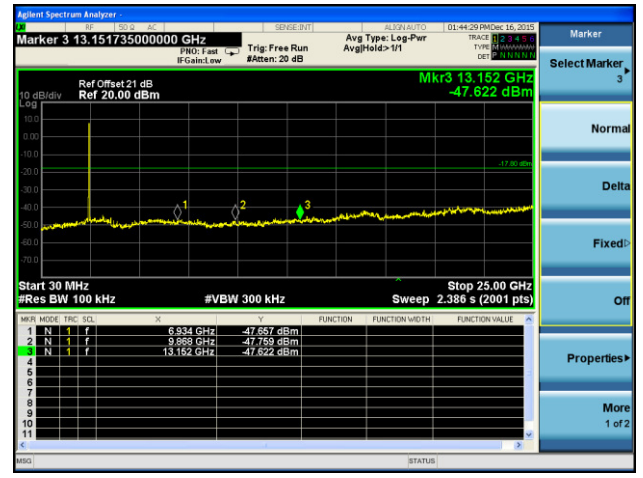


Channel 11 (2462MHz)

High Band Edge

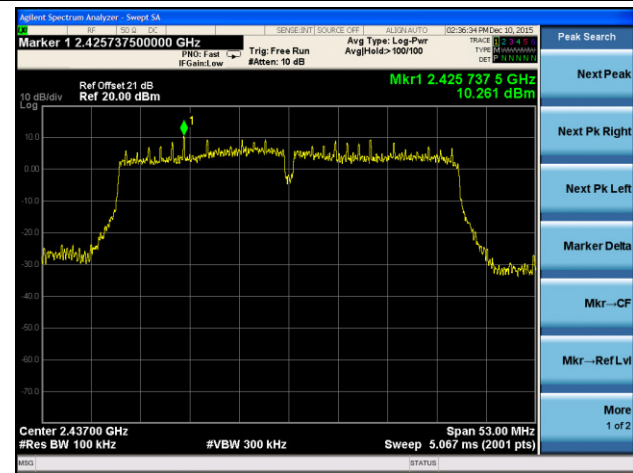


Spurious Emission



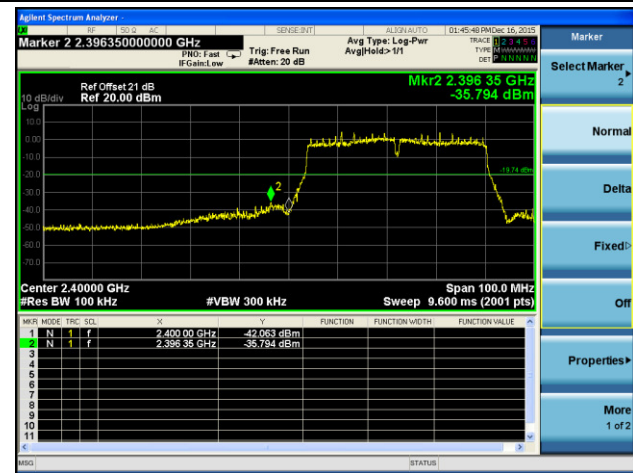
802.11n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1 + 2

100kHz PSD Reference Level

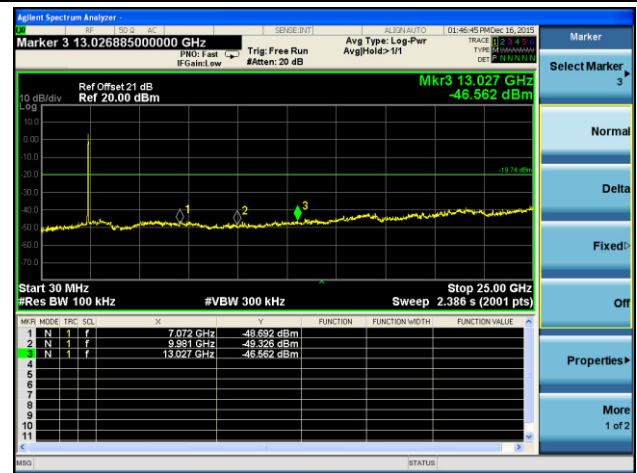


Channel 03 (2422MHz)

Low Band Edge

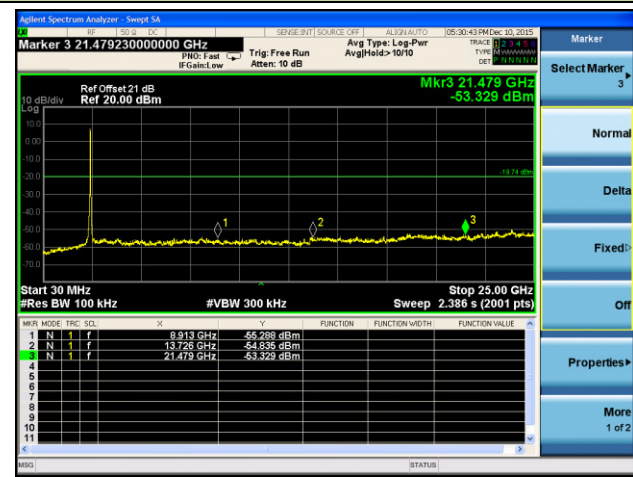


Spurious Emission



Channel 06 (2437MHz)

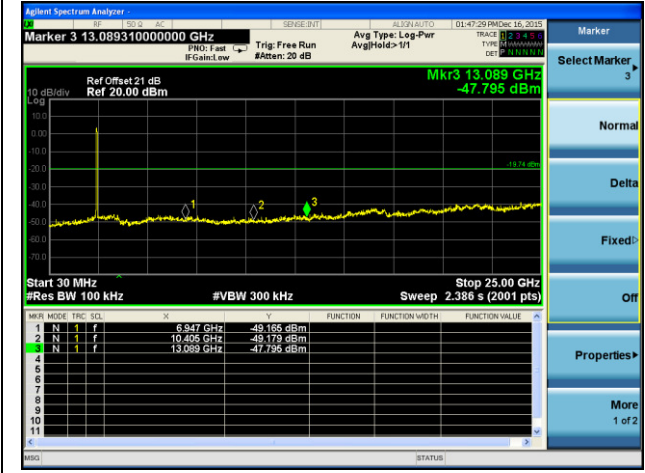
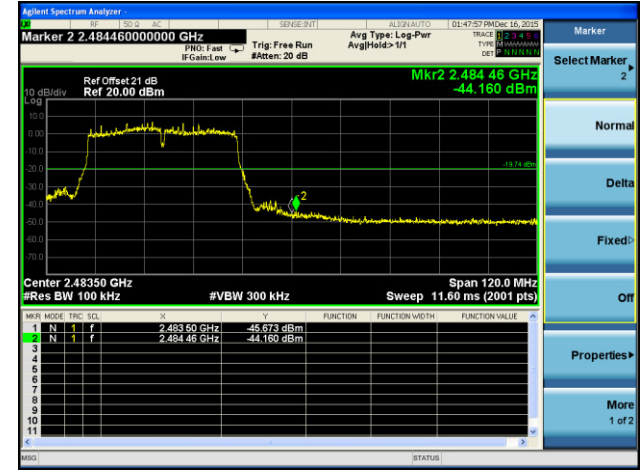
Spurious Emission



Channel 09 (2452MHz)

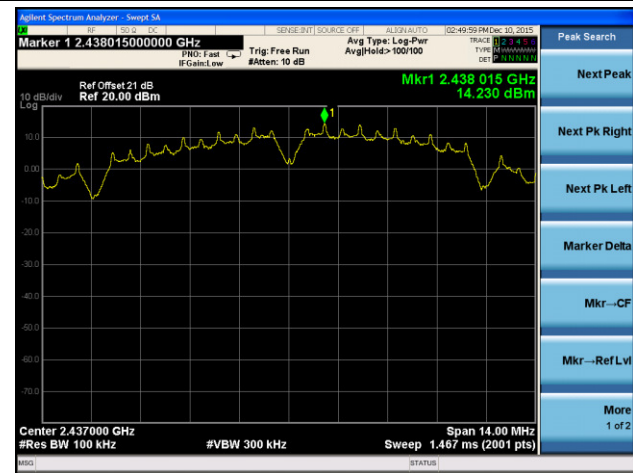
High Band Edge

Spurious Emission



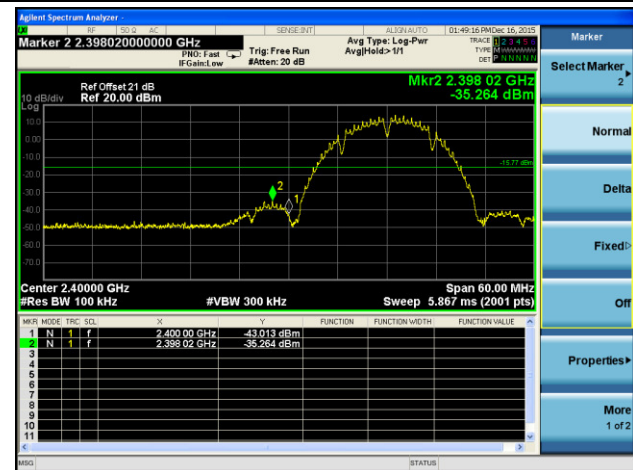
802.11b Out-of-Band Emissions - Ant 2 / Ant 0 + 1 + 2

100kHz PSD Reference Level

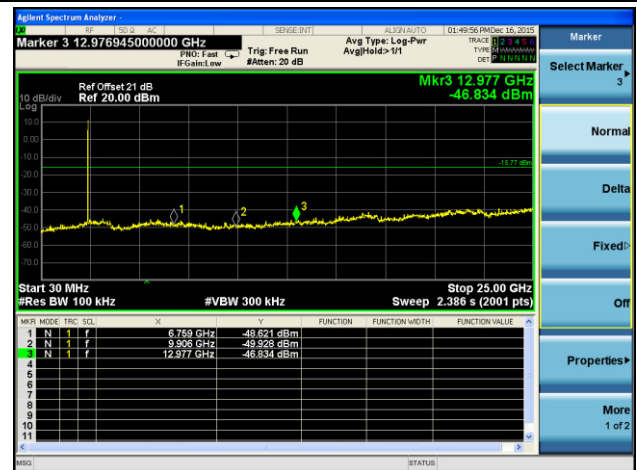


Channel 01 (2412MHz)

Low Band Edge

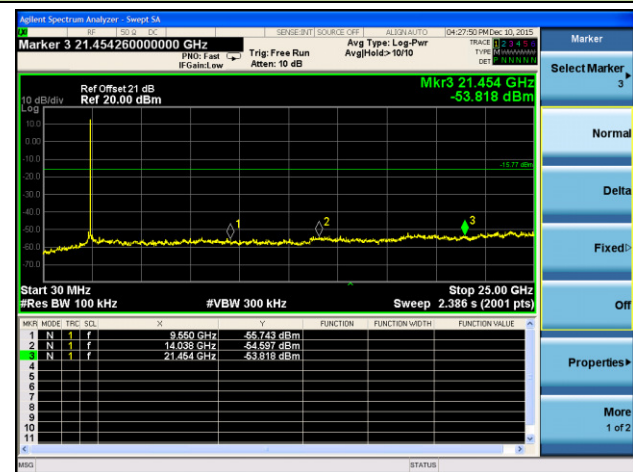


Spurious Emission



Channel 06 (2437MHz)

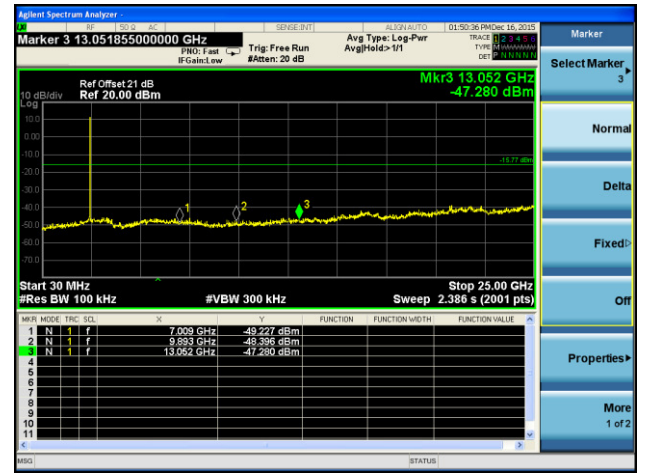
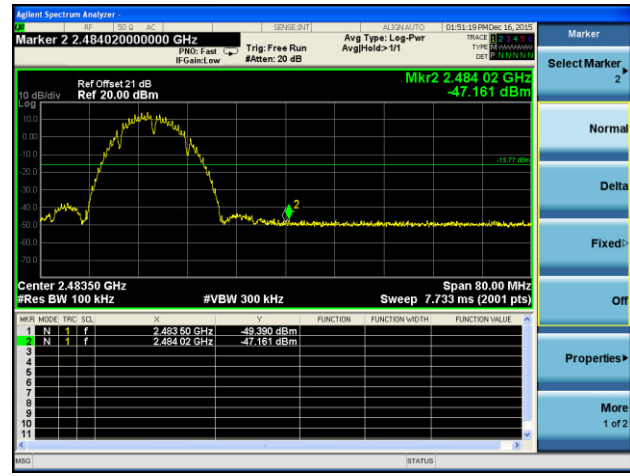
Spurious Emission



Channel 11 (2462MHz) - Ant 2 / Ant 0 + 1 + 2

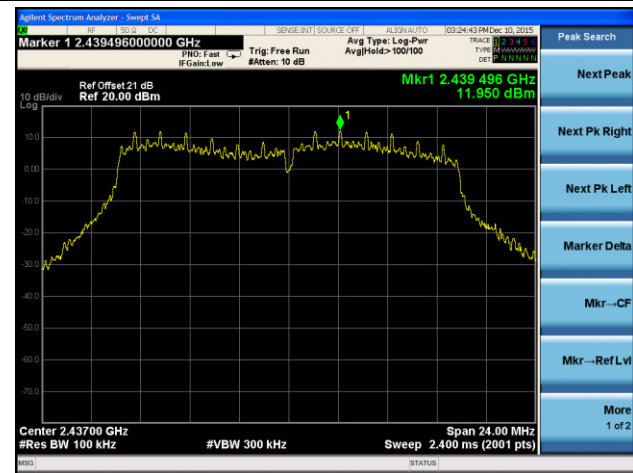
High Band Edge

Spurious Emission



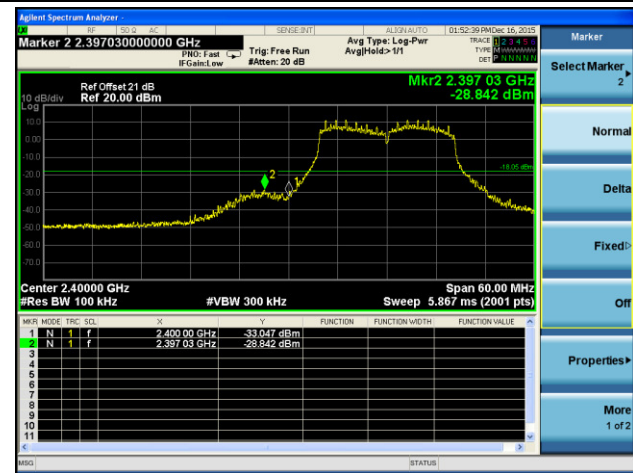
802.11g Out-of-Band Emissions - Ant 2 / Ant 0 + 1 + 2

100kHz PSD Reference Level

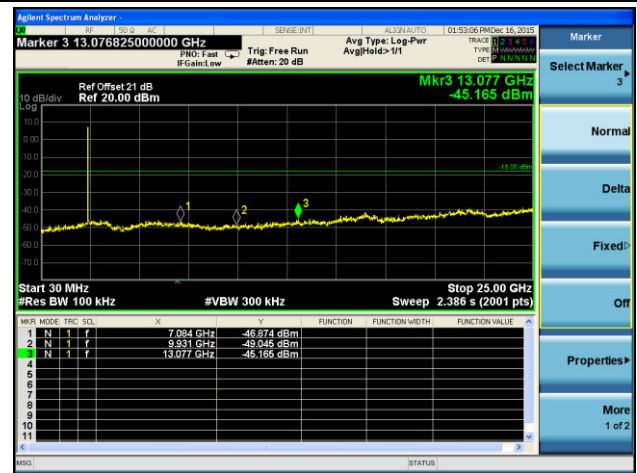


Channel 01 (2412MHz)

Low Band Edge



Spurious Emission



Channel 06 (2437MHz)

Spurious Emission

