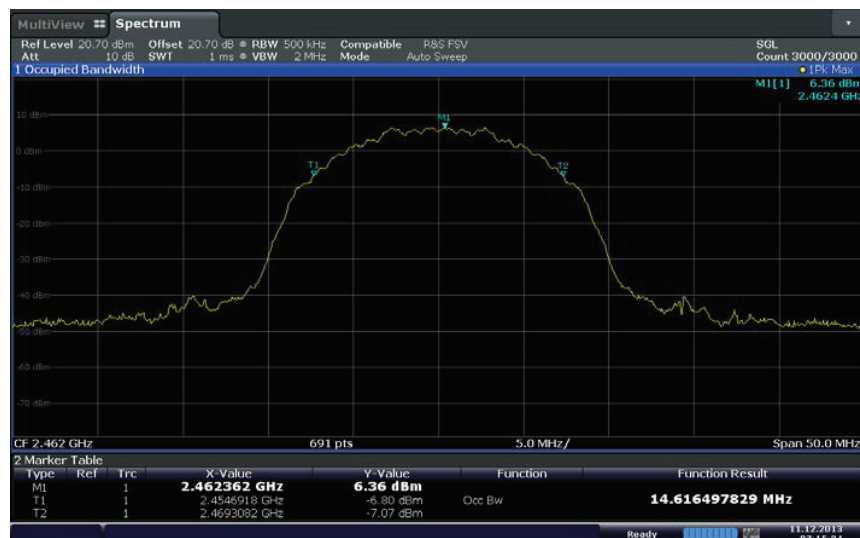
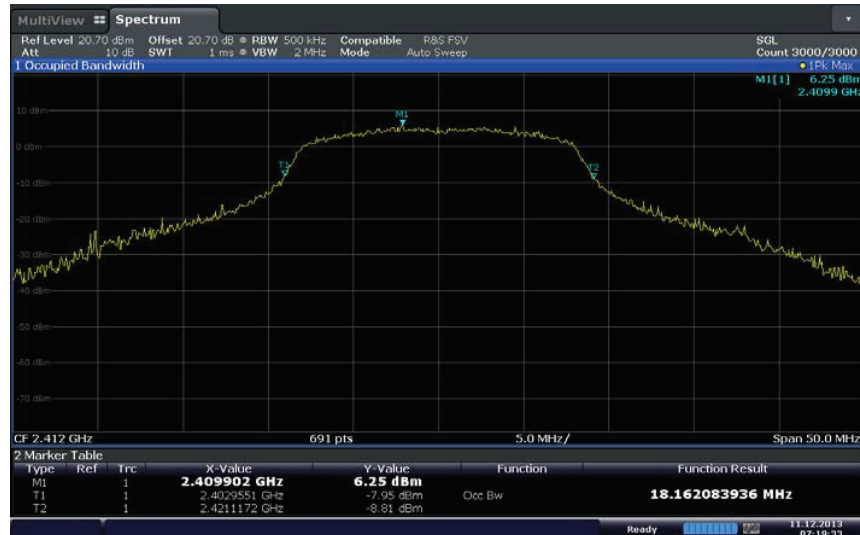




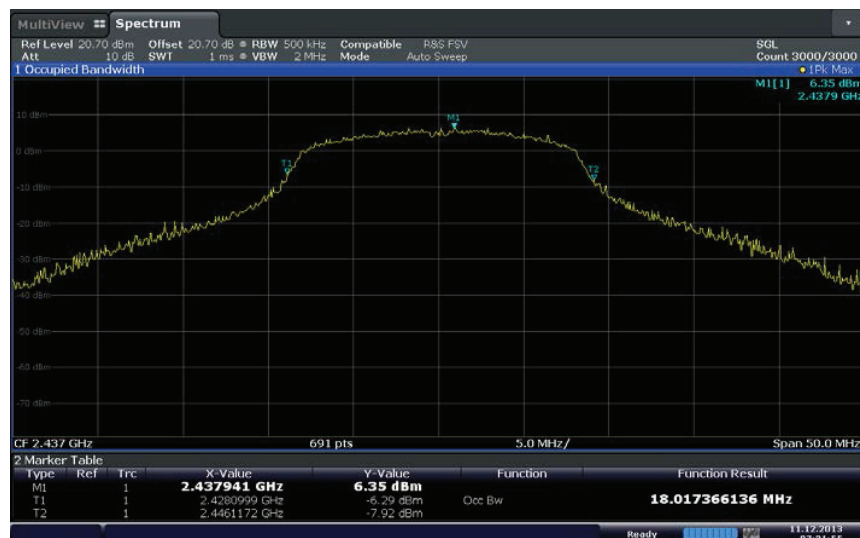
802.11b Mid Channel



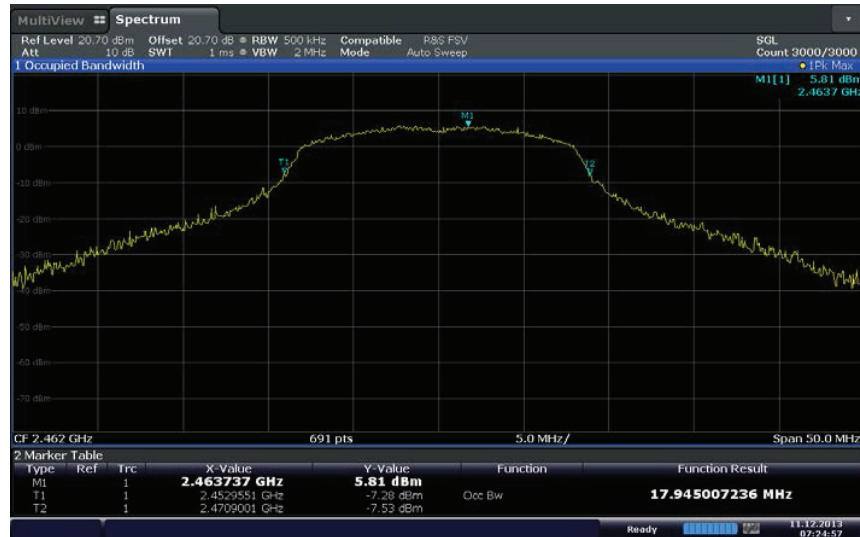
802.11b High Channel



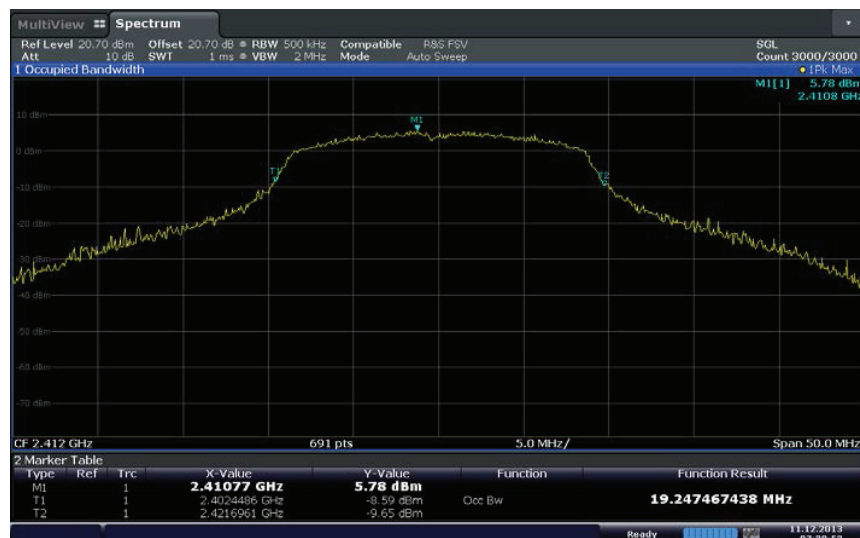
802.11g Low Channel



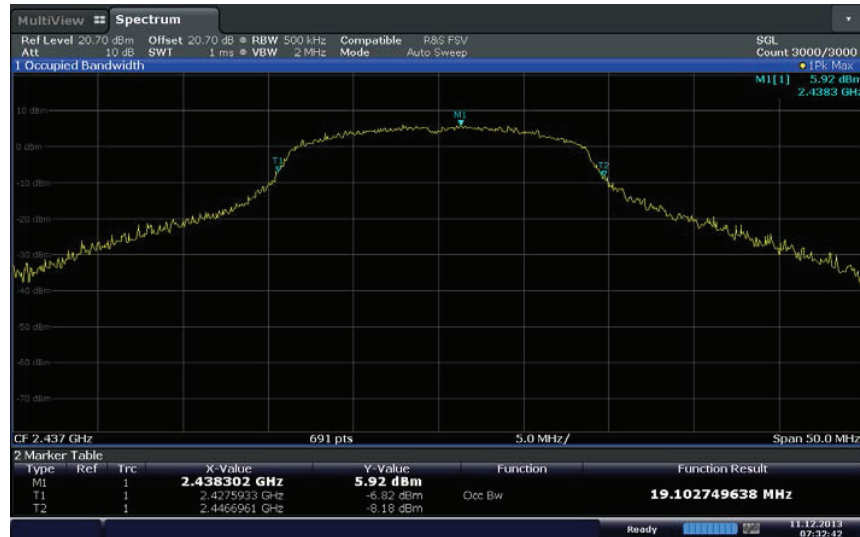
802.11g Mid Channel



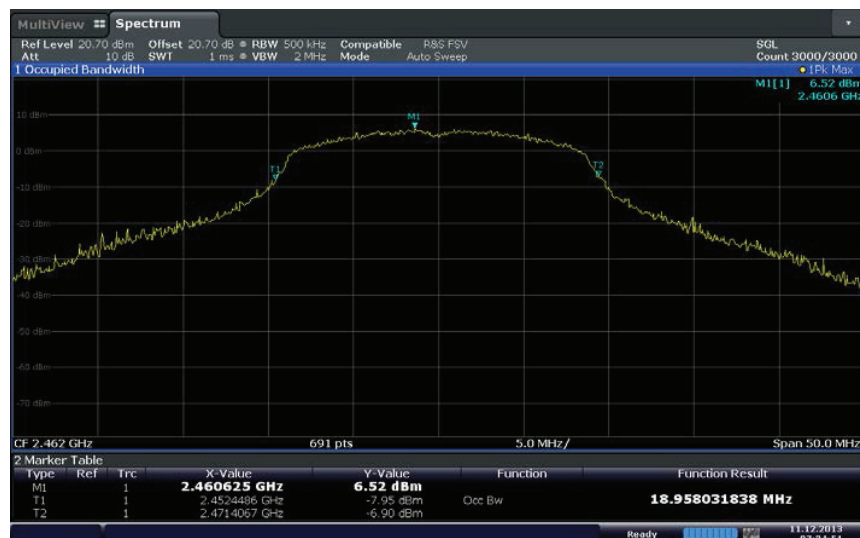
802.11g High Channel



802.11n HT20 Low Channel



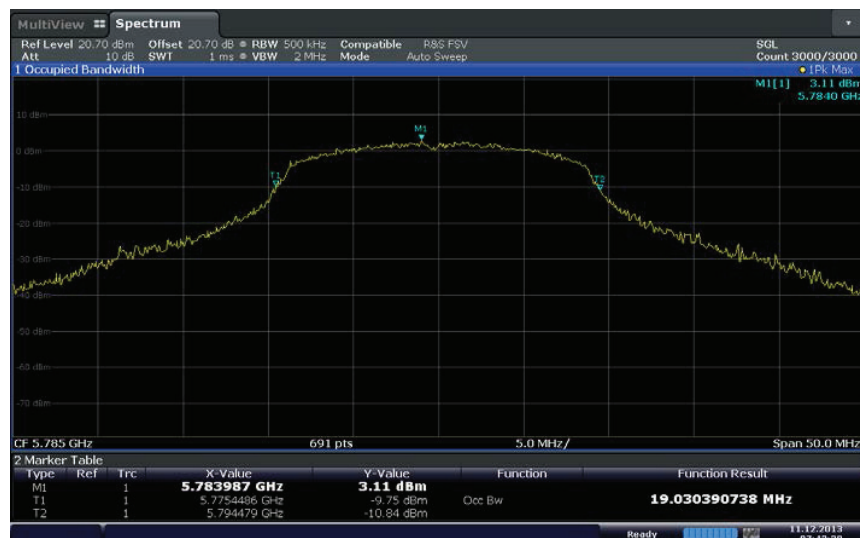
802.11n HT20 Mid Channel



802.11n HT20 High Channel



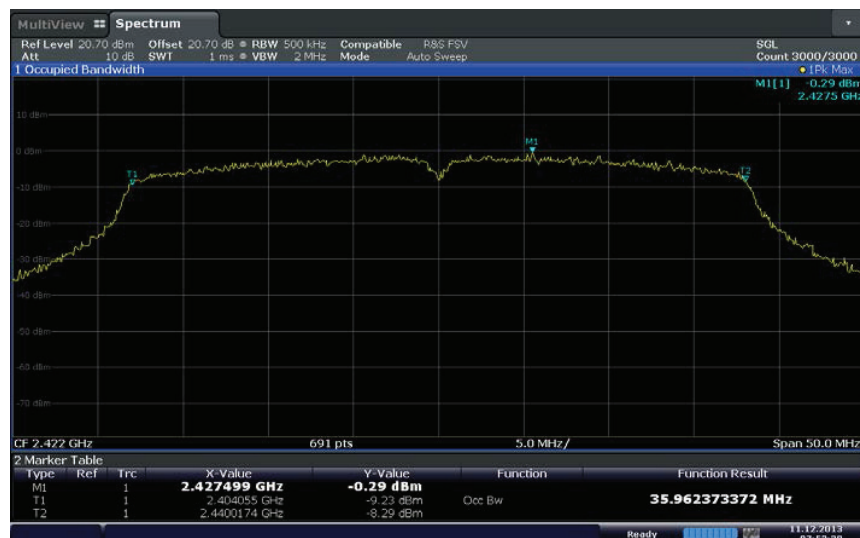
802.11n HT20 Low Channel



802.11n HT20 Mid Channel



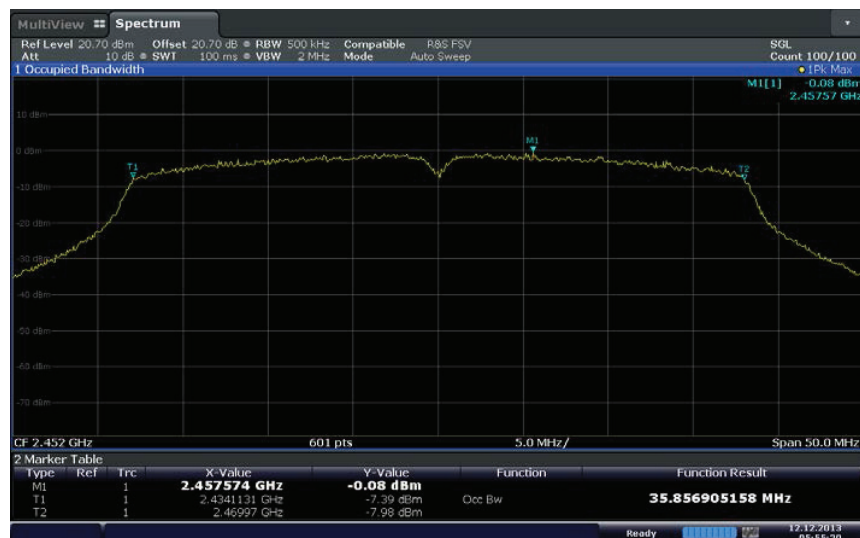
802.11n HT20 High Channel



802.11n HT40 Low Channel



802.11n HT40 Mid Channel



802.11n HT40 High Channel



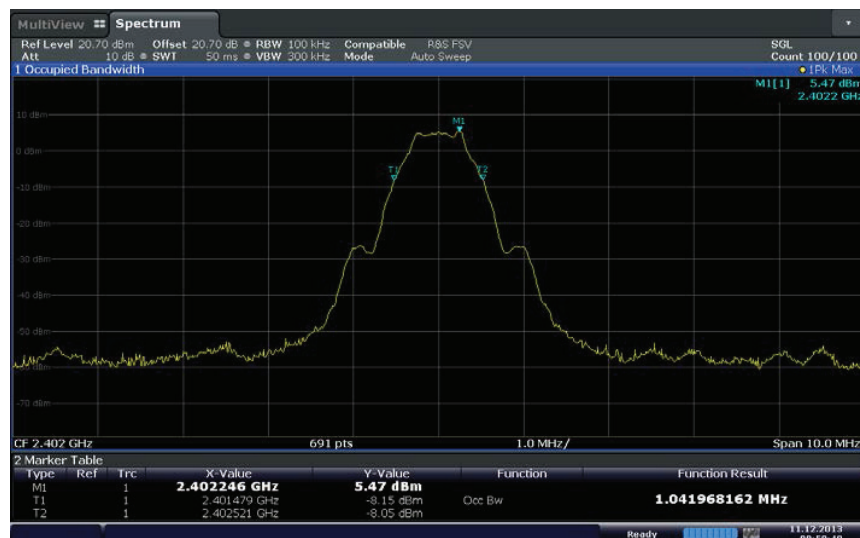
802.11n HT40 Low Channel



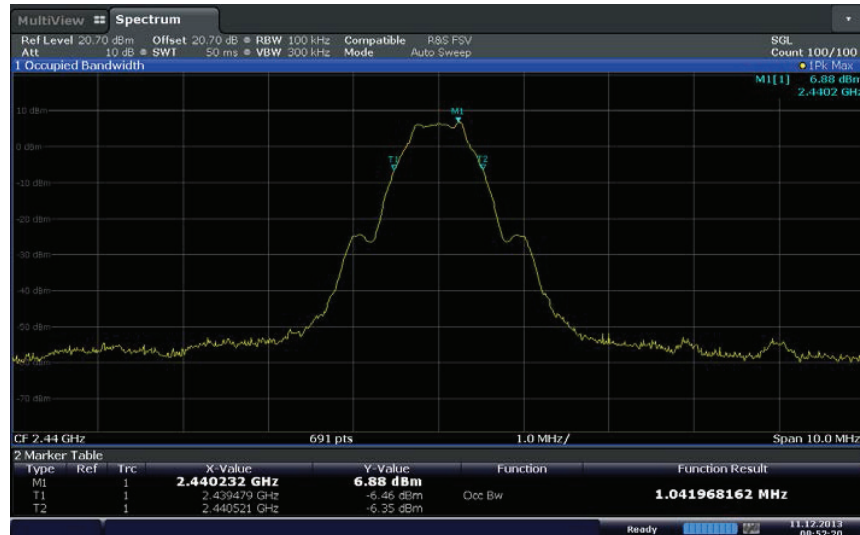
802.11n HT40 Mid Channel



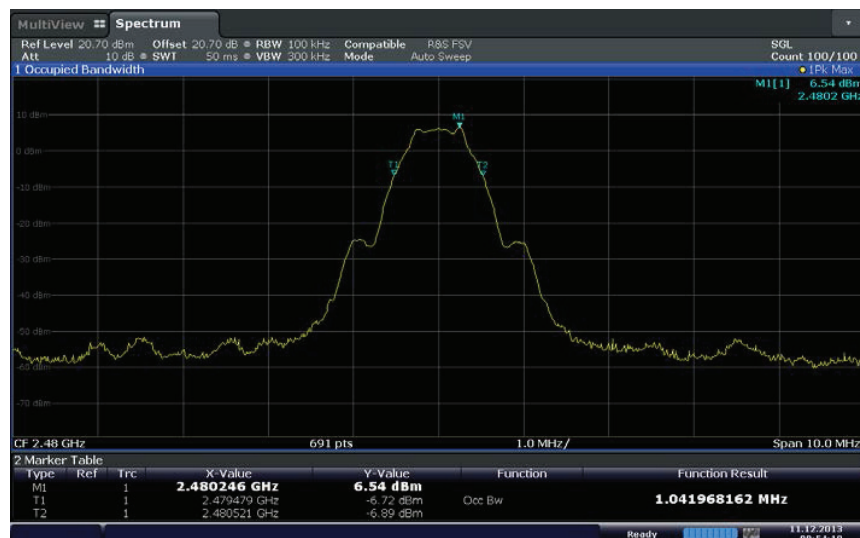
802.11n HT40 High Channel



Bluetooth LE Low Channel



Bluetooth LE Mid Channel



Bluetooth LE High Channel



2.4 MINIMUM 6 dB RF BANDWIDTH

2.4.1 Specification Reference

Part 15 Subpart C §15.247(a)(2)

2.4.2 Standard Applicable

(2) Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

2.4.3 Equipment Under Test and Modification State

Serial No: N/A (Sample #1) / Test Configuration A

2.4.4 Date of Test/Initial of test personnel who performed the test

December 11, 2013/FSC

2.4.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.4.6 Environmental Conditions

Ambient Temperature	19.4°C
Relative Humidity	19.3%
ATM Pressure	99.6 kPa

2.4.7 Additional Observations

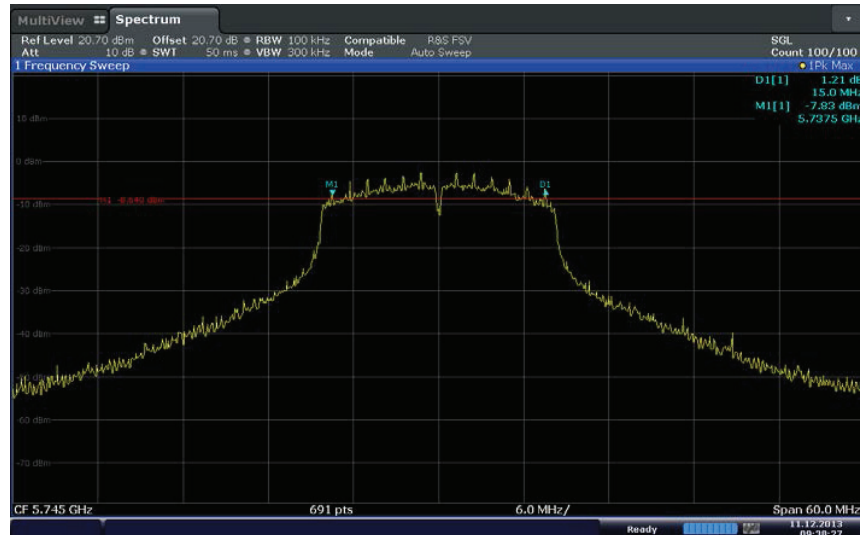
- This is a conducted test.
- An offset of 20.7dB was added to compensate for the external attenuator and cable used.
- Span is wide enough to capture the channel transmission.
- RBW is set to 100 kHz.
- VBW is 3X RBW.
- Sweep is auto.
- Detector is peak.
- The “n” dB down marker function of the spectrum analyzer was used for this test.
- For signal modulation where “n” dB down marker function is not practical, a peak measurement is performed while the trace is in max hold.
- A horizontal line is drawn 6dB below the peak measurement.
- 6dB bandwidth is where the lower and upper edge of the signal intersects the drawn line using delta marker type measurement.



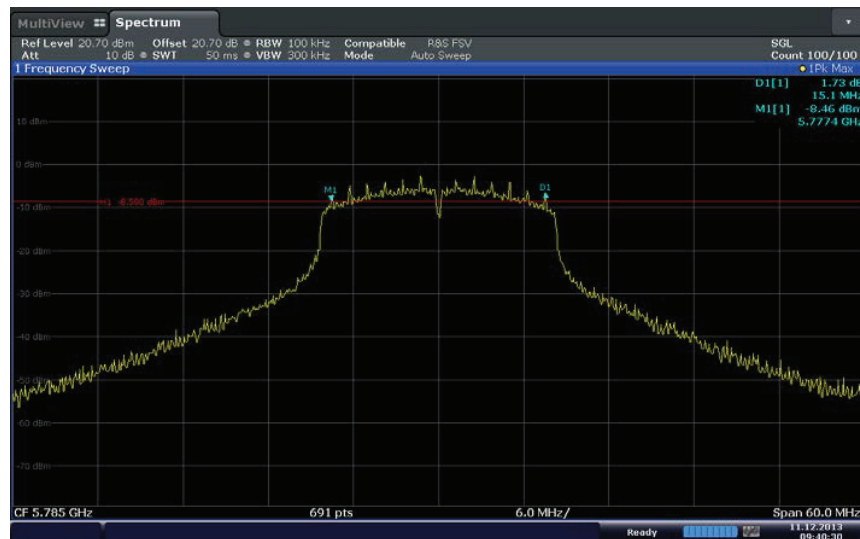
2.4.8 Test Results

Mode	Channel	Measured Bandwidth (MHz)	Minimum Bandwidth (MHz)	Compliance
802.11a	149 (5745 MHz)	15.00	0.500	Complies
	157 (5785 MHz)	15.10	0.500	Complies
	165 (5825 MHz)	15.00	0.500	Complies
802.11b	1 (2412 MHz)	8.94	0.500	Complies
	6 (2437 MHz)	8.94	0.500	Complies
	11 (2462 MHz)	10.16	0.500	Complies
802.11g	1 (2412 MHz)	15.50	0.500	Complies
	6 (2437 MHz)	15.20	0.500	Complies
	11 (2462 MHz)	15.20	0.500	Complies
802.11n HT20	1 (2412 MHz)	15.10	0.500	Complies
	6 (2437 MHz)	15.20	0.500	Complies
	11 (2462 MHz)	15.20	0.500	Complies
802.11n HT20	149 (5745 MHz)	15.10	0.500	Complies
	157 (5785 MHz)	15.10	0.500	Complies
	165 (5825 MHz)	15.10	0.500	Complies
802.11n HT40	3 (2422 MHz)	35.04	0.500	Complies
	6 (2437 MHz)	34.94	0.500	Complies
	9 (2452 MHz)	34.90	0.500	Complies
802.11n HT40	149 (5745 MHz)	35.14	0.500	Complies
	157 (5785 MHz)	35.34	0.500	Complies
	165 (5825 MHz)	35.14	0.500	Complies
Bluetooth LE	37 (2402 MHz)	0.709	0.500	Complies
	17 (2440 MHz)	0.695	0.500	Complies
	39 (2480 MHz)	0.709	0.500	Complies

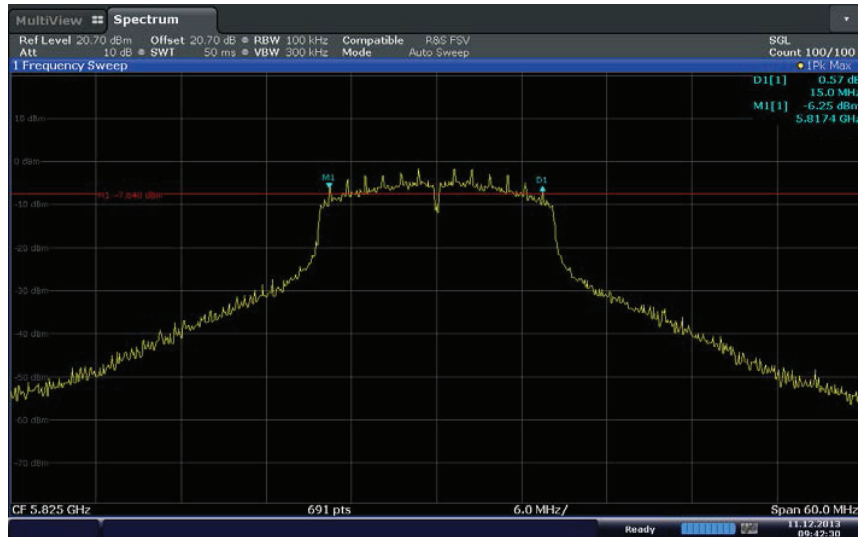
2.4.9 Test Results Plots



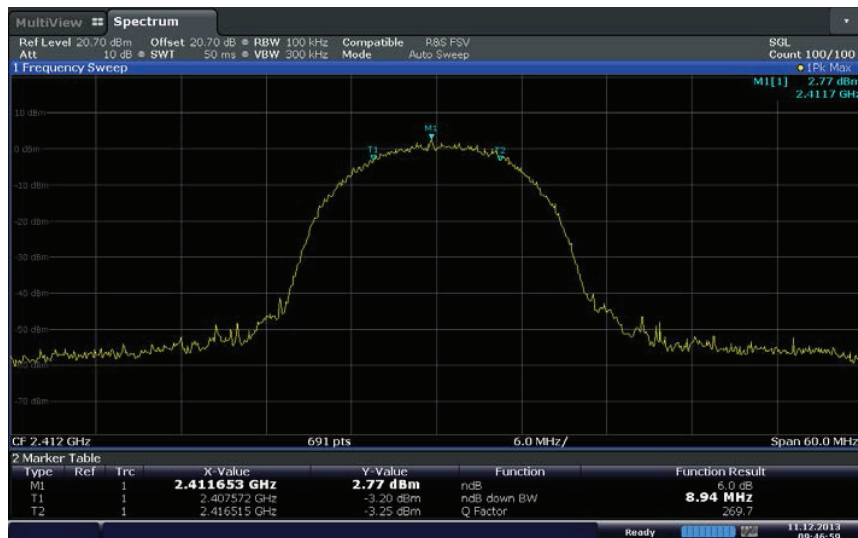
802.11a Low Channel



802.11a Mid Channel



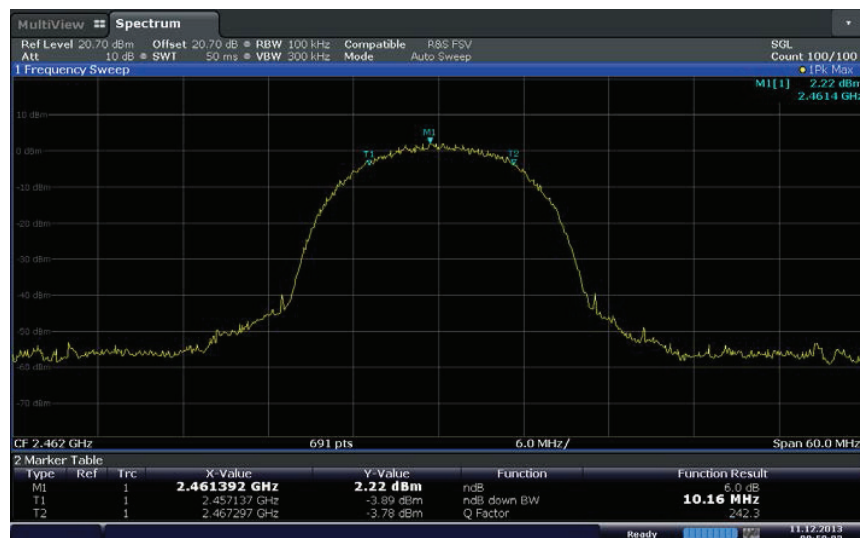
802.11a High Channel



802.11b Low Channel



802.11b Mid Channel



802.11b High Channel