

Test graphs as below:

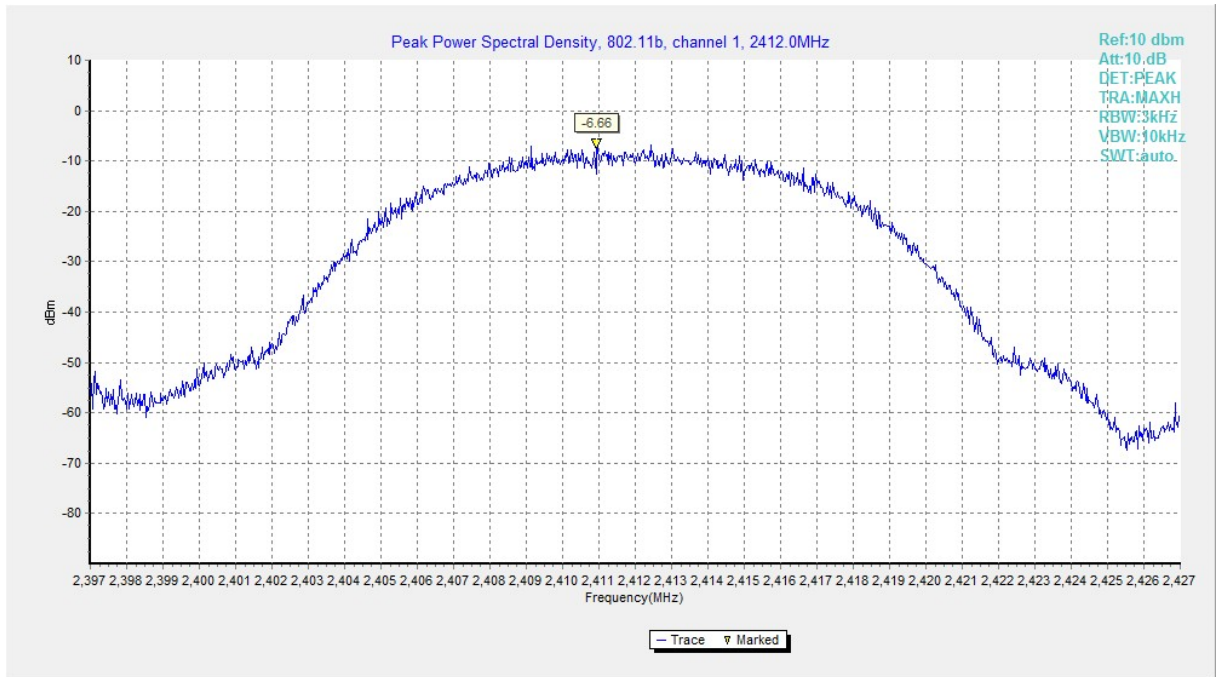


Fig.A.3.1 Power Spectral Density(802.11b,Ch1)

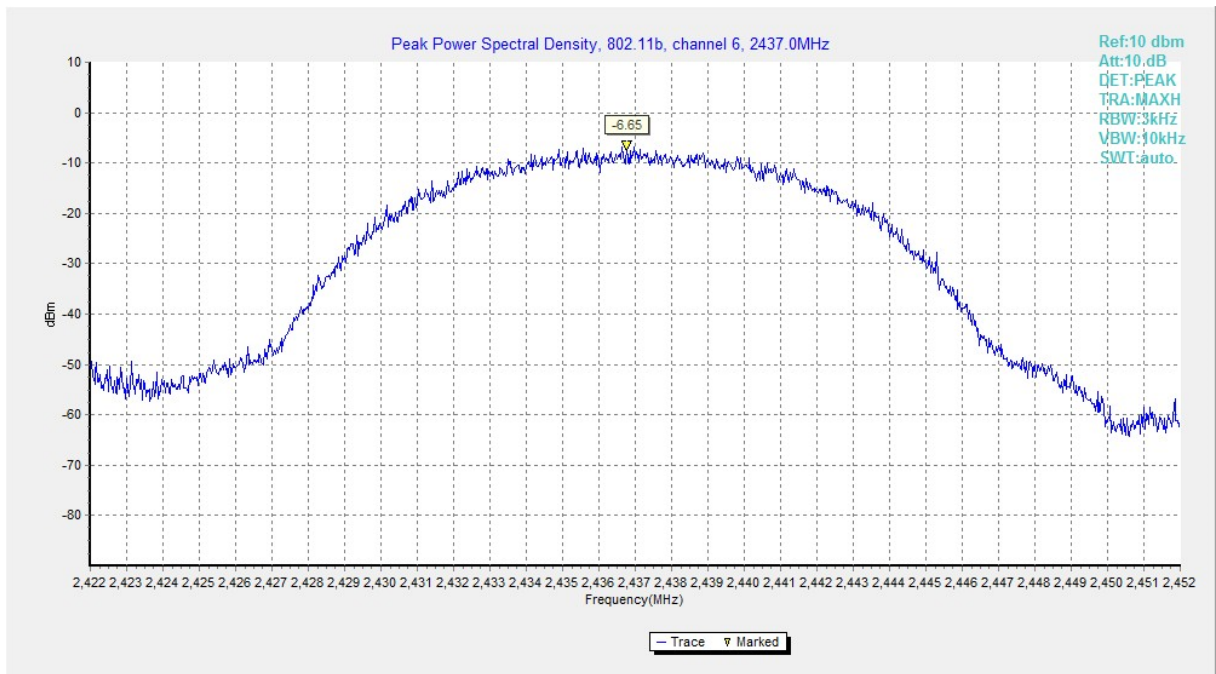
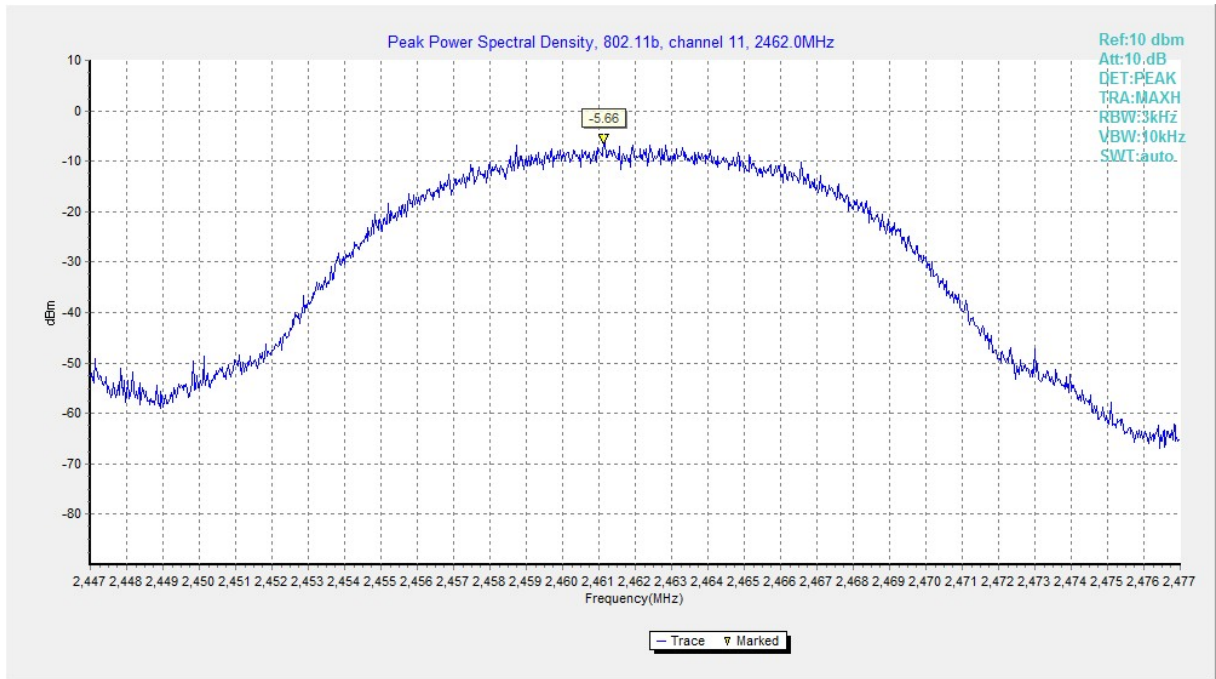
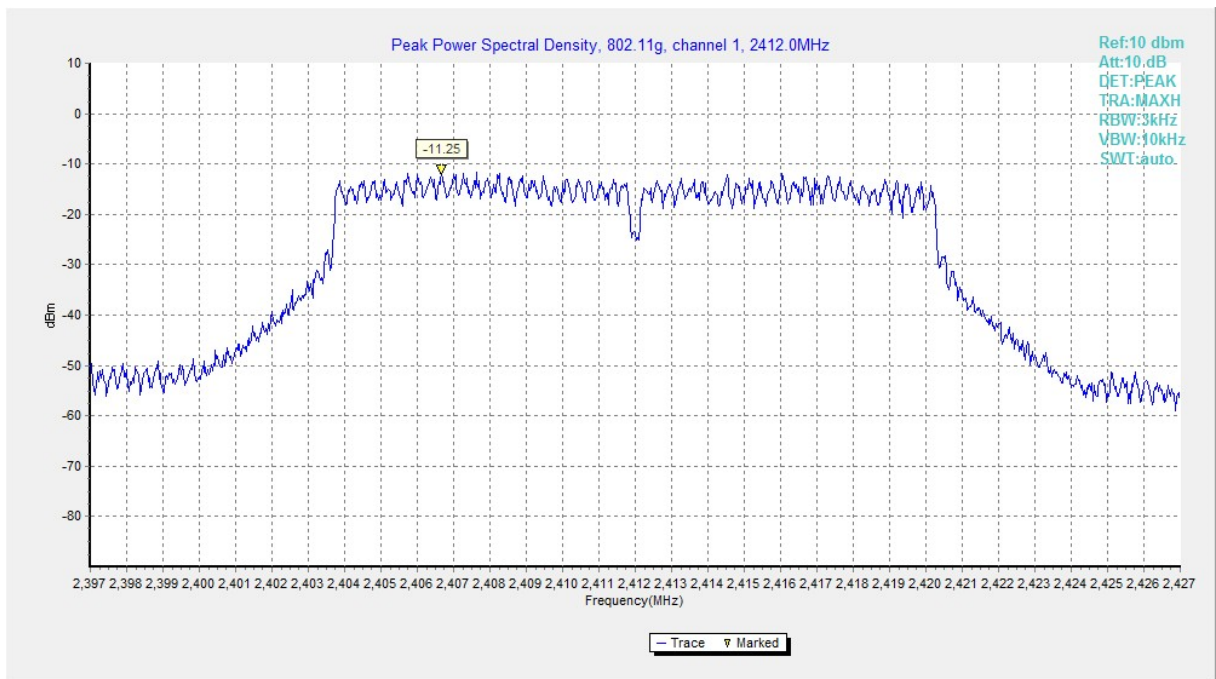


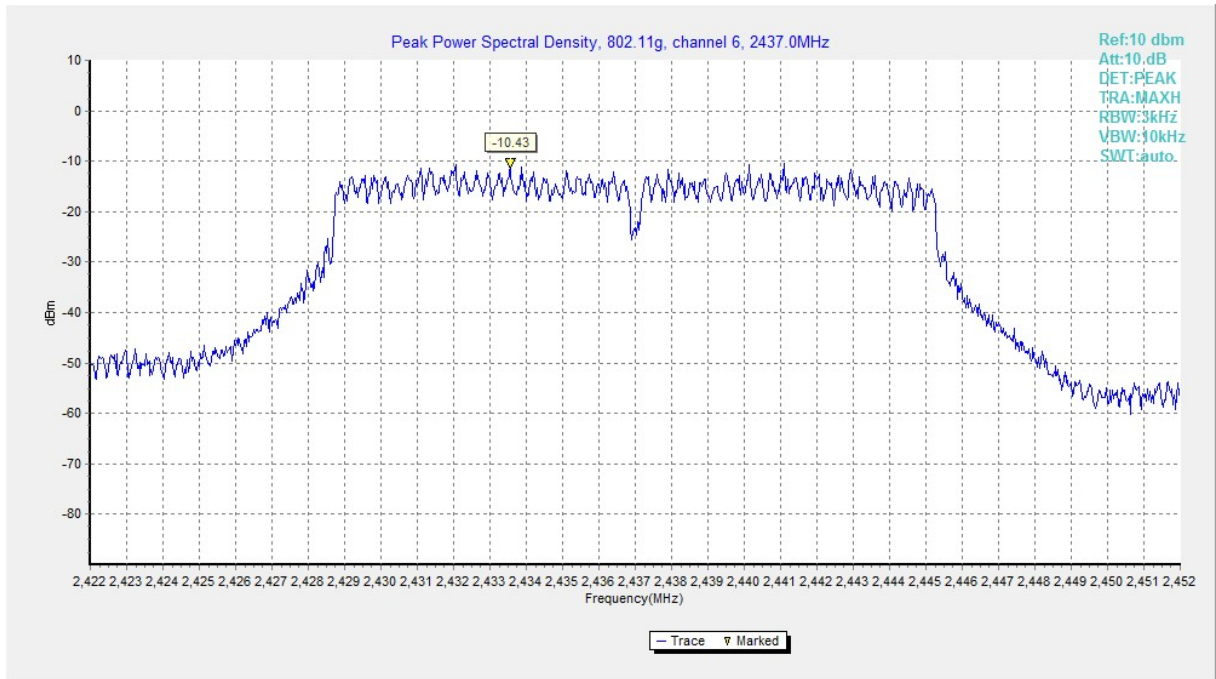
Fig.A.3.2 Power Spectral Density (802.11b, Ch 6)



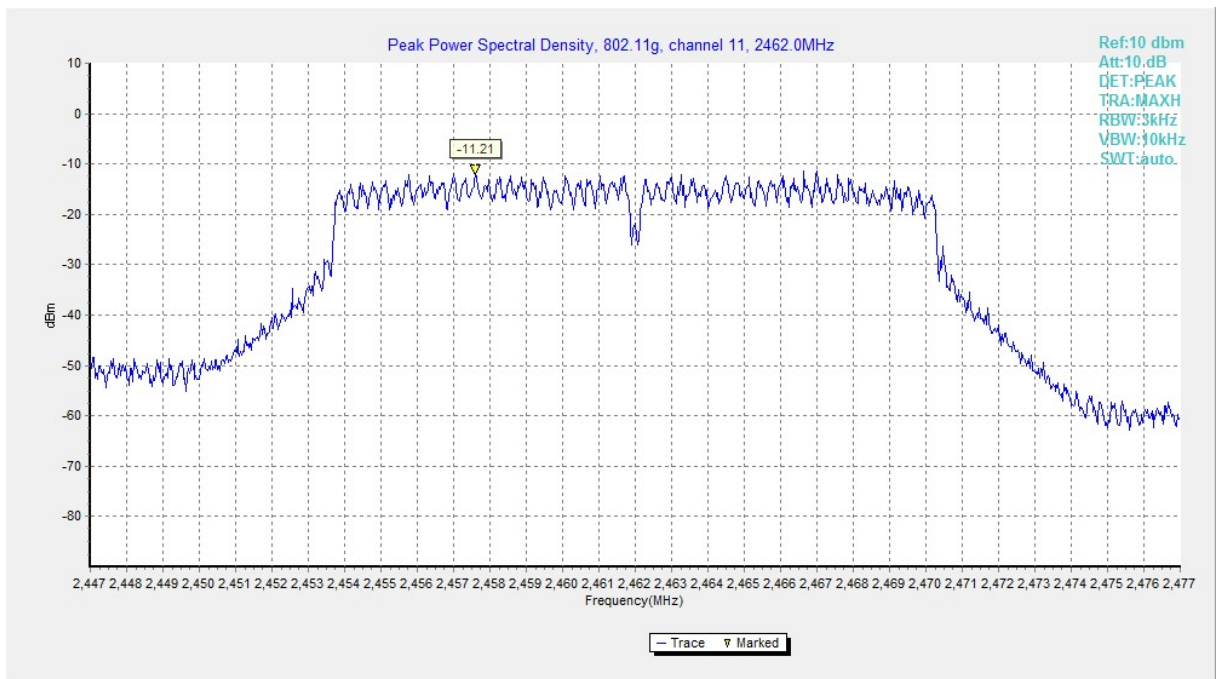
**Fig.A.3.3 Power Spectral Density (802.11b, Ch 11)**



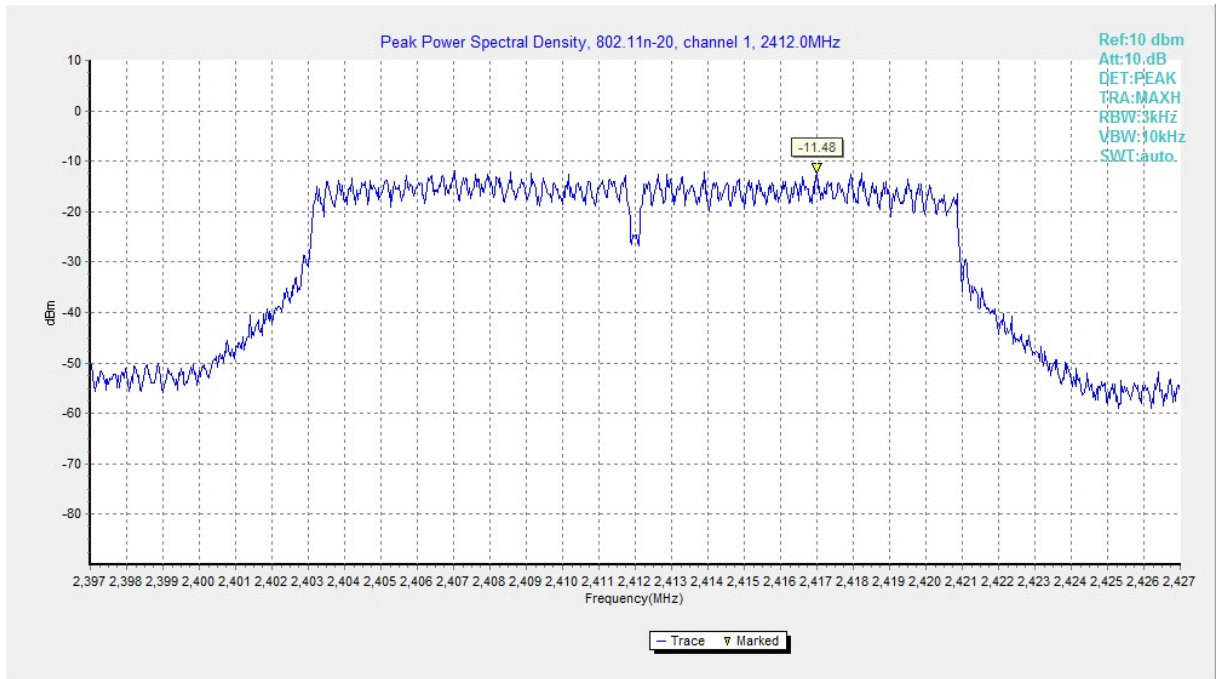
**Fig.A.3.4 Power Spectral Density (802.11g, Ch 1)**



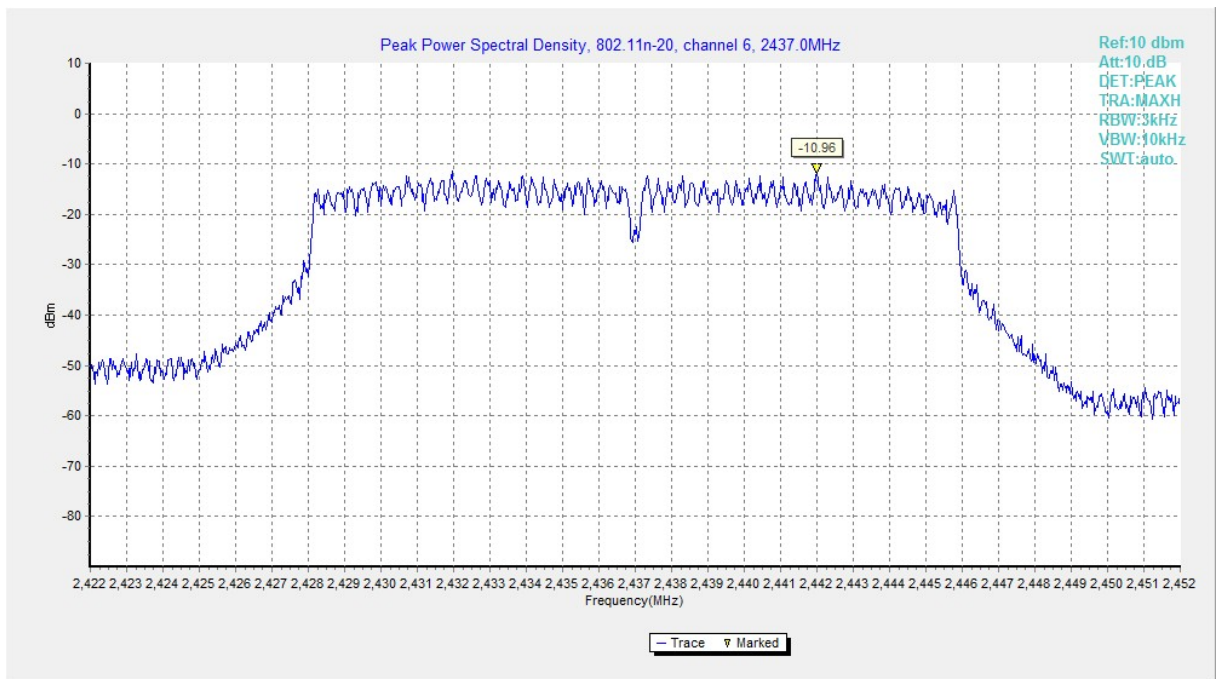
**Fig.A.3.5 Power Spectral Density (802.11g, Ch 6)**



**Fig.A.3.6 Power Spectral Density (802.11g, Ch 11)**



**Fig.A.3.7 Power Spectral Density (802.11n-HT20, Ch 1)**



**Fig.A.3.8 Power Spectral Density (802.11n-HT20, Ch 6)**



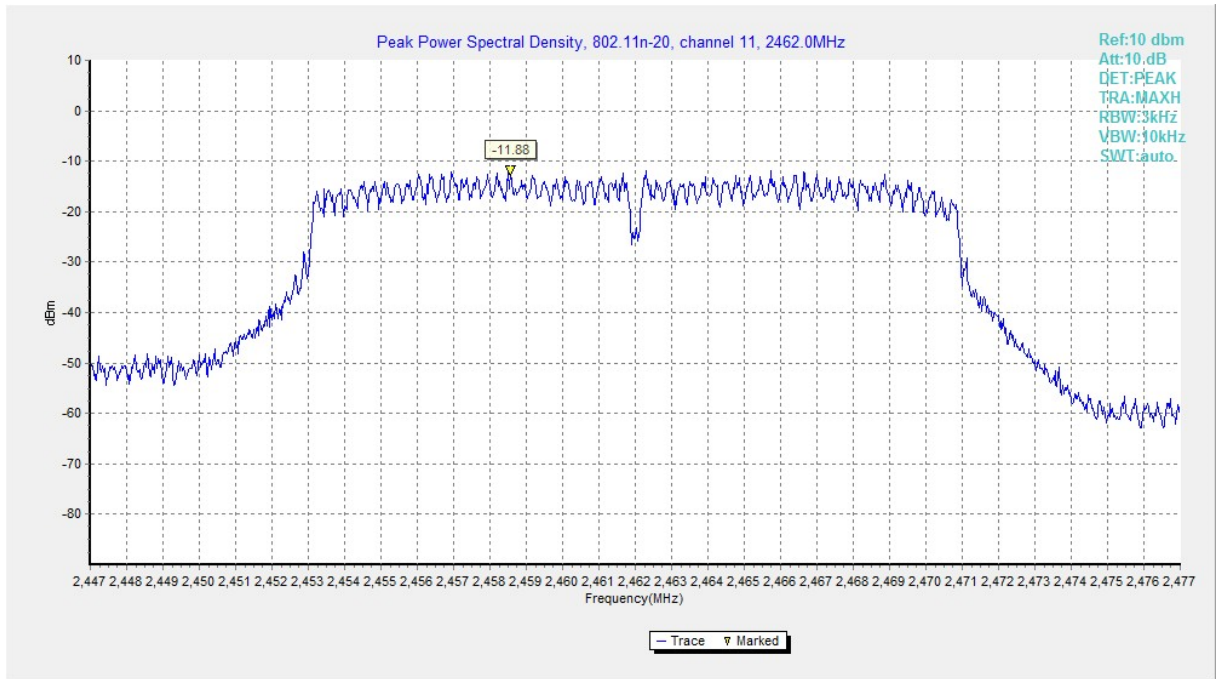


Fig.A.3.9 Power Spectral Density (802.11n-HT20, Ch 11)

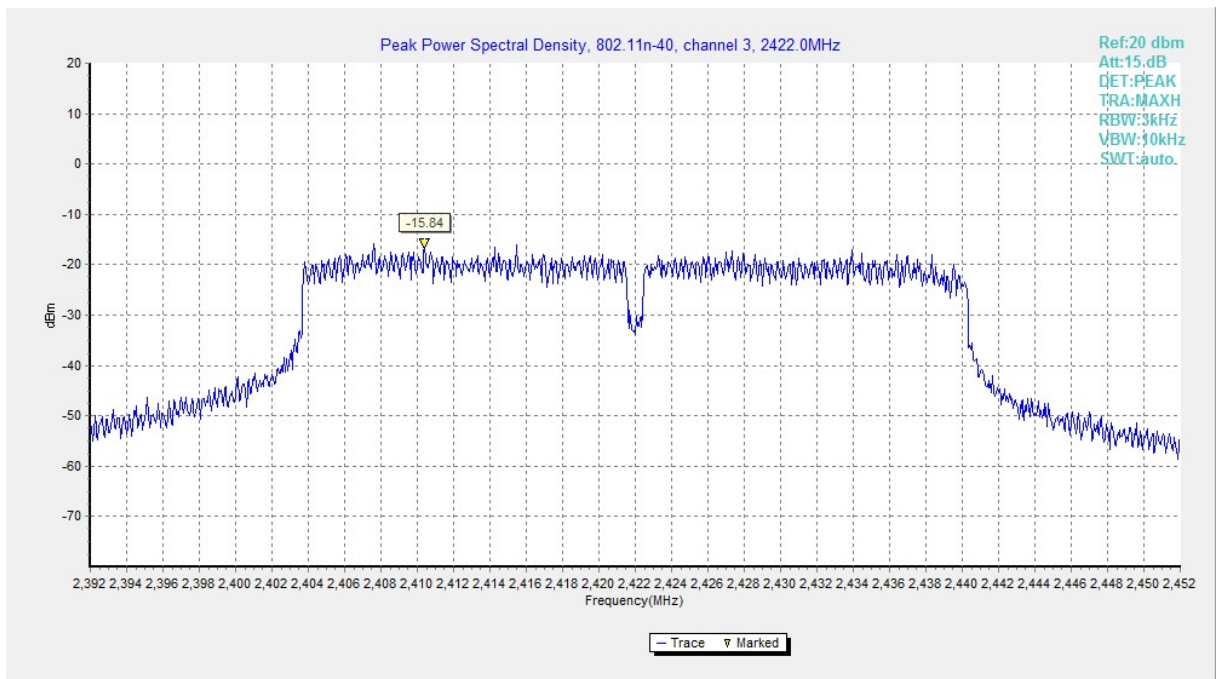
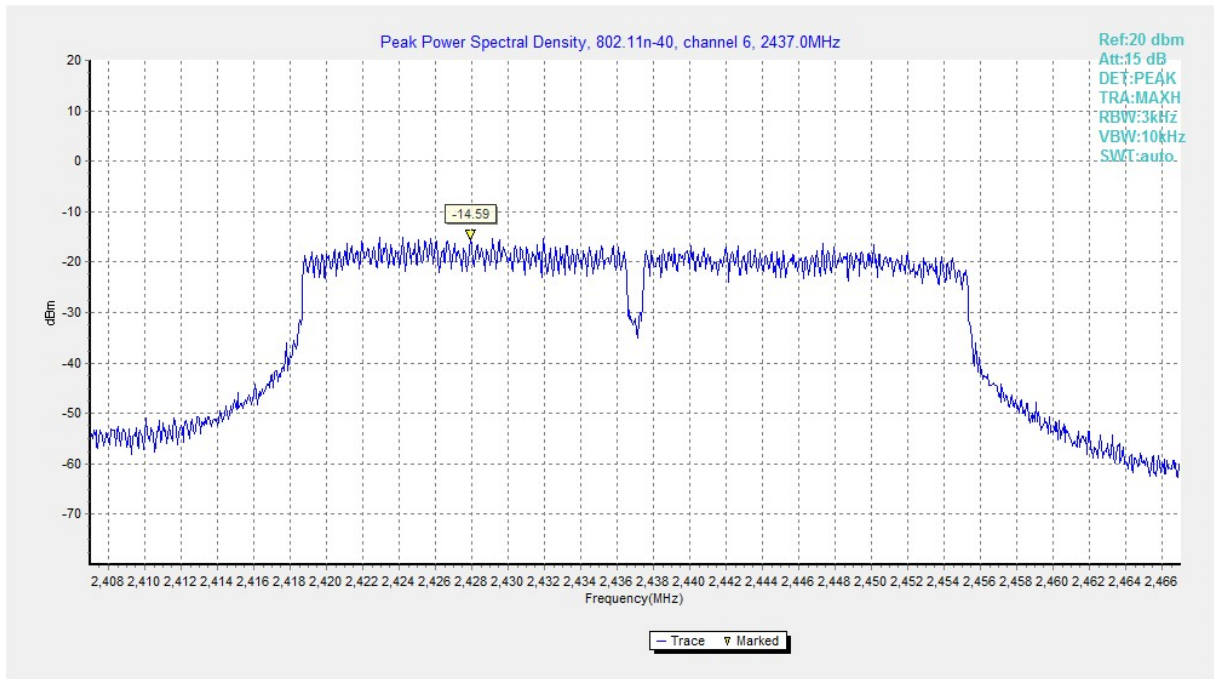
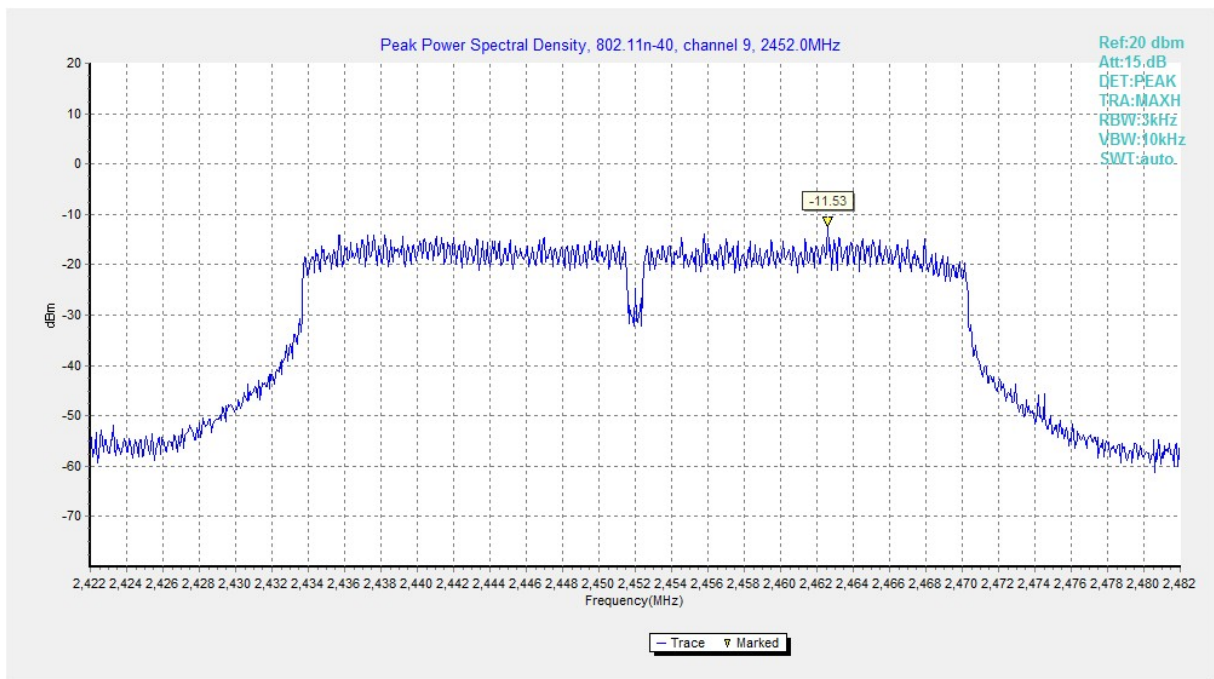


Fig.A.3.10 Power Spectral Density (802.11n-HT40, Ch 3)



**Fig.A.3.11 Power Spectral Density (802.11n-HT40, Ch 6)**



**Fig.A.3.12 Power Spectral Density (802.11n-HT40, Ch 9)**

#### **A.4. DTS 6-dB Signal Bandwidth**

**Method of Measurement: See ANSI C63.10-2013 section 11.8.1.**

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) = 300 kHz.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

**Measurement Limit:**

Standard	Limit (kHz)
FCC 47 CFR Part 15.247 (a)	≥ 500

**EUT ID: EUT2**

**Measurement Result:**

##### **802.11b/g mode**

Mode	Channel	Occupied 6dB Bandwidth ( kHz)		conclusion
802.11b	1	Fig.A.4.1	9800.00	<b>P</b>
	6	Fig.A.4.2	9950.00	<b>P</b>
	11	Fig.A.4.3	9550.00	<b>P</b>
802.11g	1	Fig.A.4.4	15950.00	<b>P</b>
	6	Fig.A.4.5	15700.00	<b>P</b>
	11	Fig.A.4.6	15800.00	<b>P</b>

##### **802.11n-HT20 mode**

Mode	Channel	Occupied 6dB Bandwidth ( kHz)		conclusion
802.11n (HT20)	1	Fig.A.4.7	17150.00	<b>P</b>
	6	Fig.A.4.8	17250.00	<b>P</b>
	11	Fig.A.4.9	16850.00	<b>P</b>

##### **802.11n-HT40 mode**

Mode	Channel	Occupied 6dB Bandwidth ( kHz)		conclusion
802.11n (HT40)	3	Fig.A.4.10	36320.00	<b>P</b>
	6	Fig.A.4.11	35760.00	<b>P</b>
	9	Fig.A.4.12	35520.00	<b>P</b>

Conclusion: Pass

Test graphs as below:

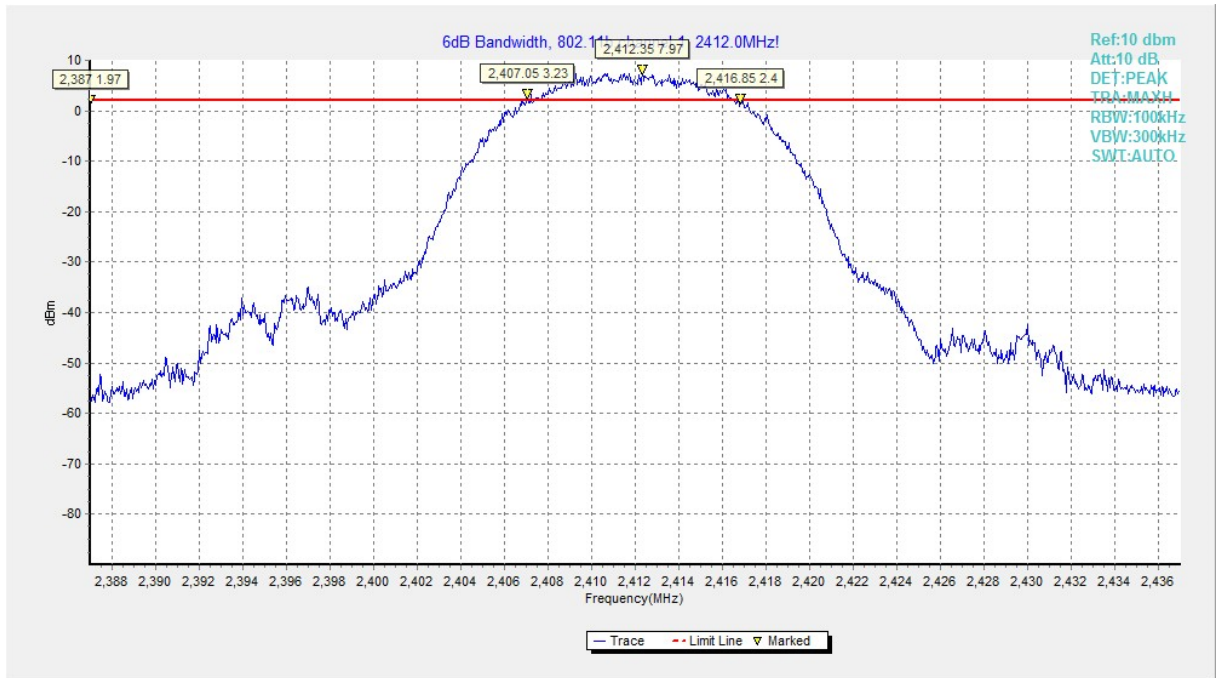


Fig.A.4.1 Occupied 6dB Bandwidth(802.11b,Ch 1)

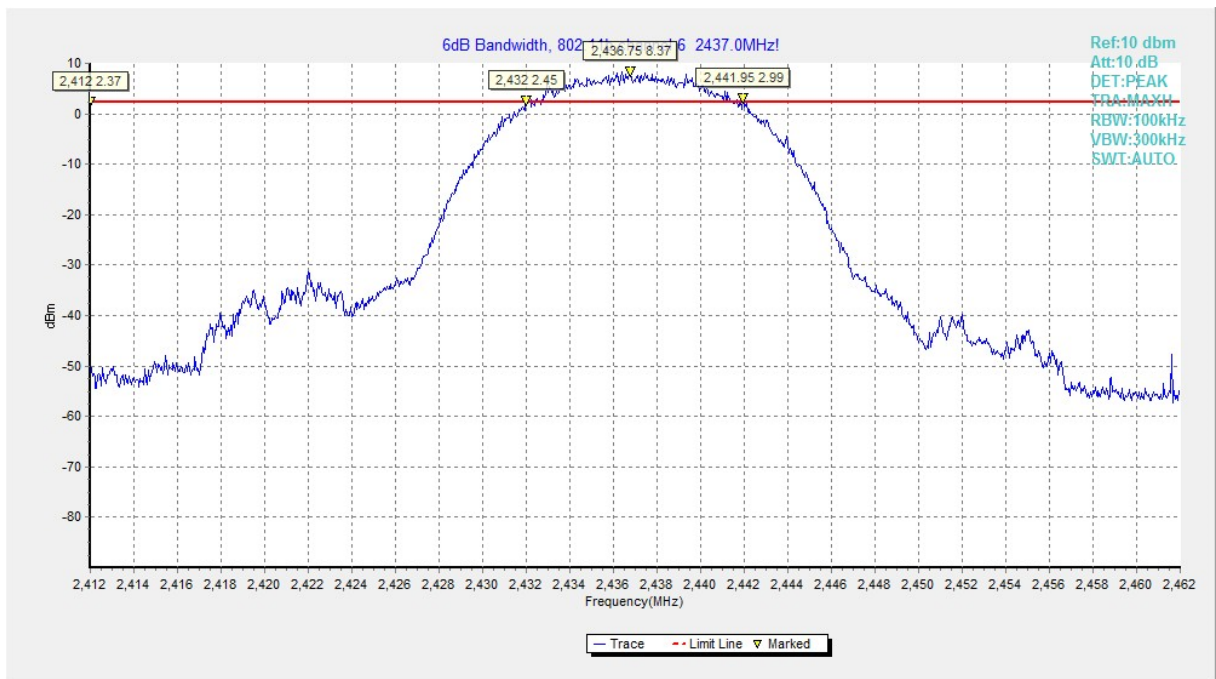
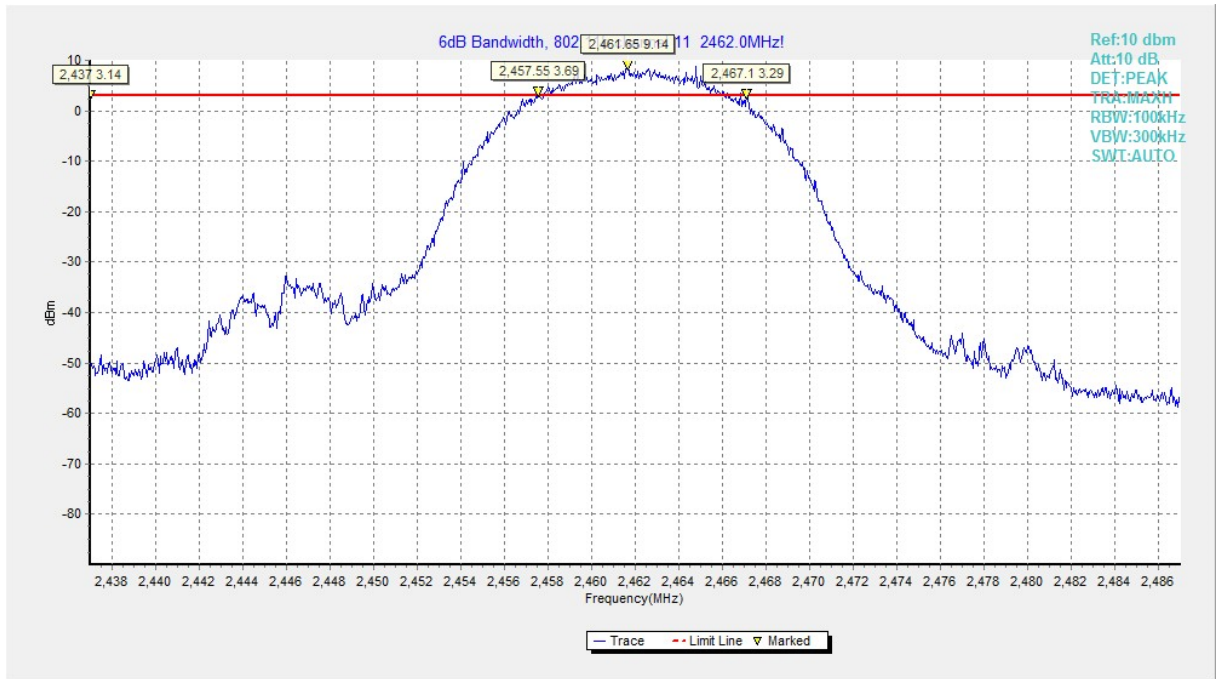
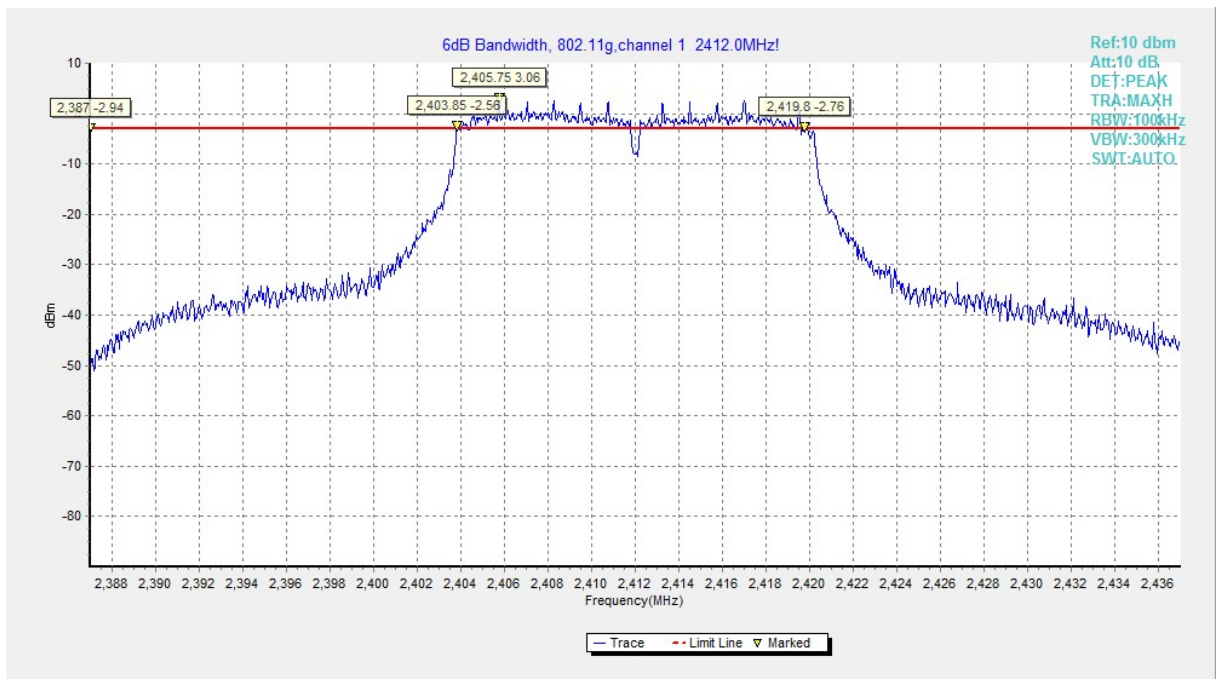


Fig.A.4.2 Occupied 6dB Bandwidth (802.11b, Ch 6)





**Fig.A.4.3 Occupied 6dB Bandwidth (802.11b, Ch 11)**



**Fig.A.4.4 Occupied 6dB Bandwidth (802.11g, Ch 1)**