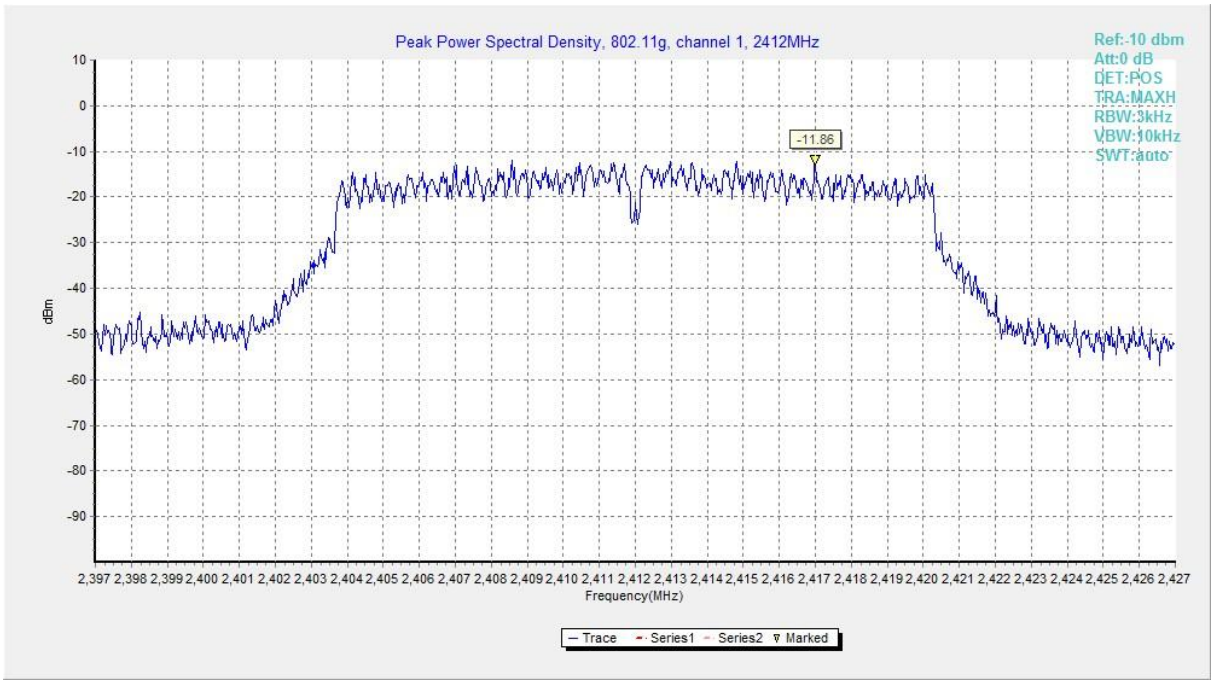

Fig.A.3.6 Power Spectral Density (802.11g, Ch 1)

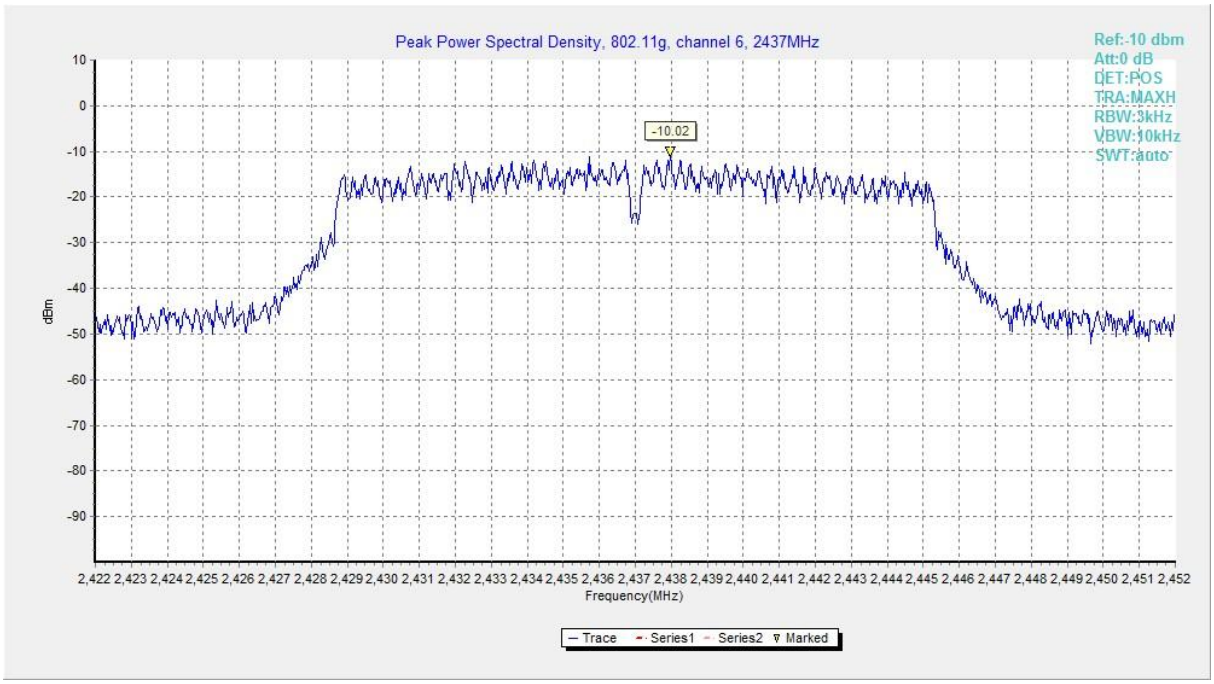

Fig.A.3.7 Power Spectral Density (802.11g, Ch 6)

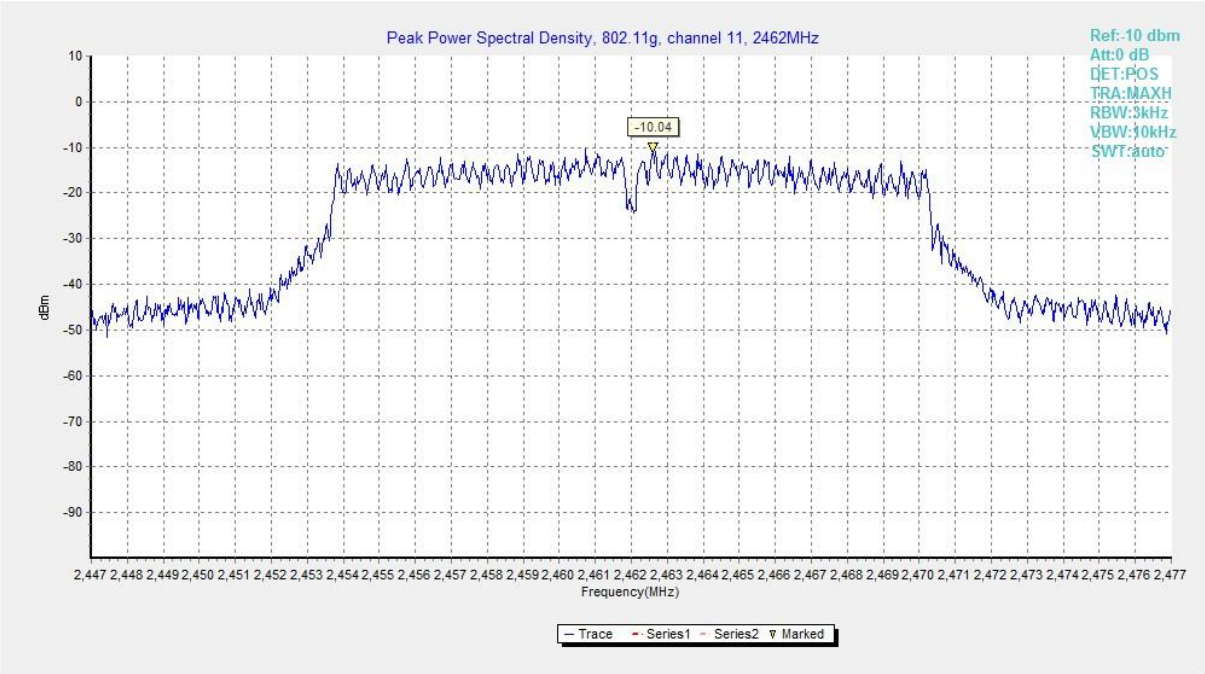

Fig.A.3.8 Power Spectral Density (802.11g, Ch 11)

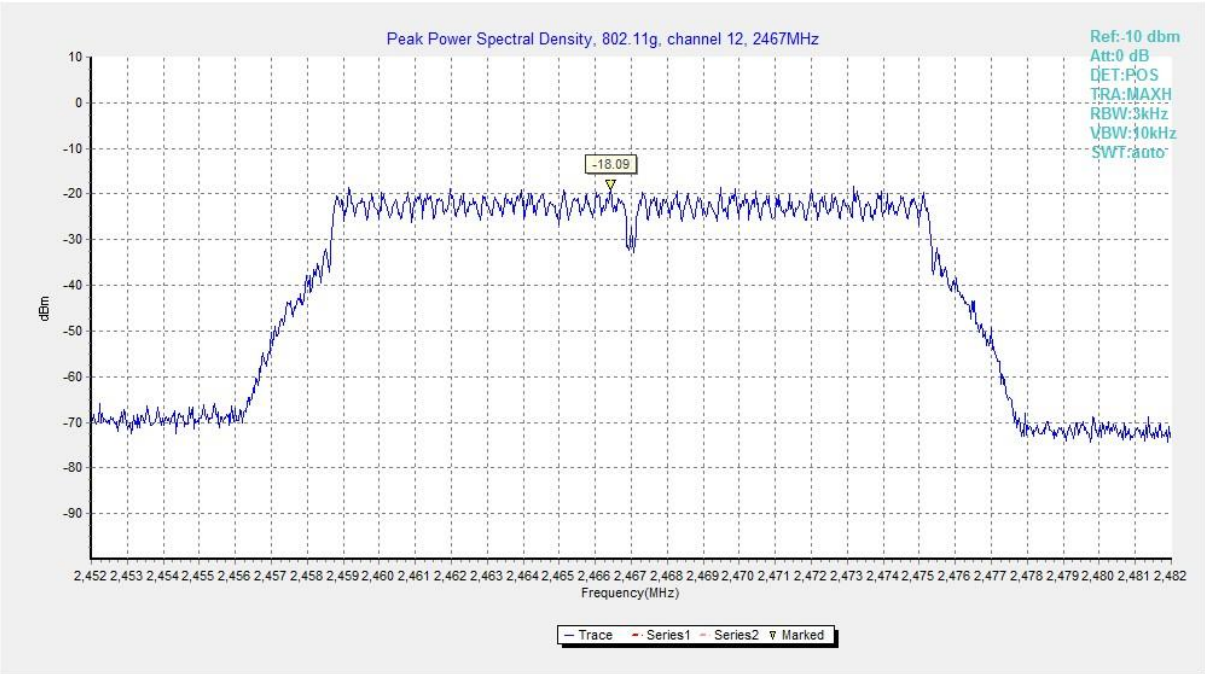

Fig.A.3.9 Power Spectral Density (802.11g, Ch 12)

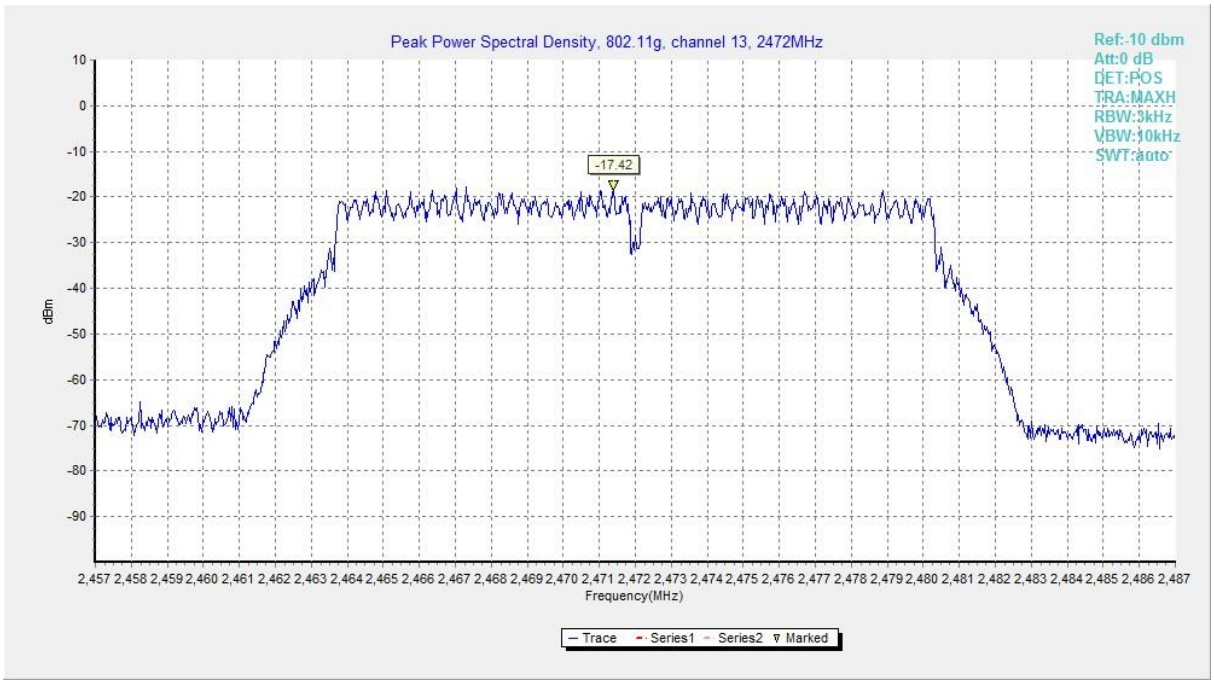

Fig.A.3.10 Power Spectral Density (802.11g, Ch 13)

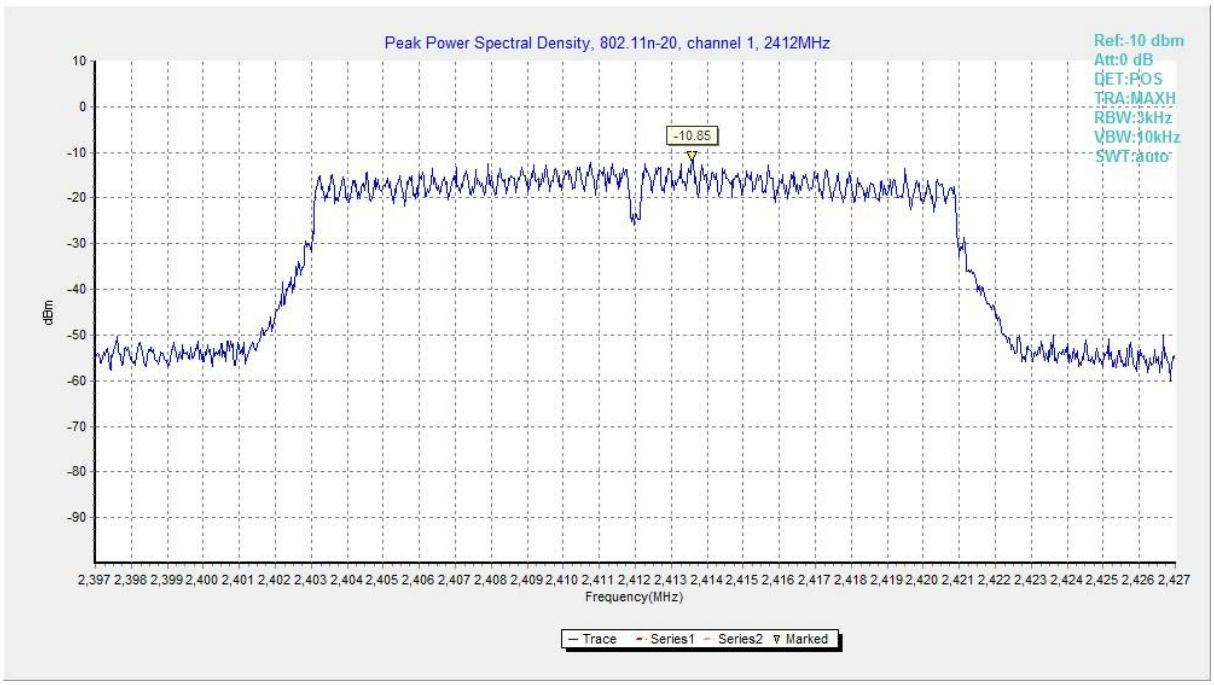

Fig.A.3.11 Power Spectral Density (802.11n-HT20, Ch 1)

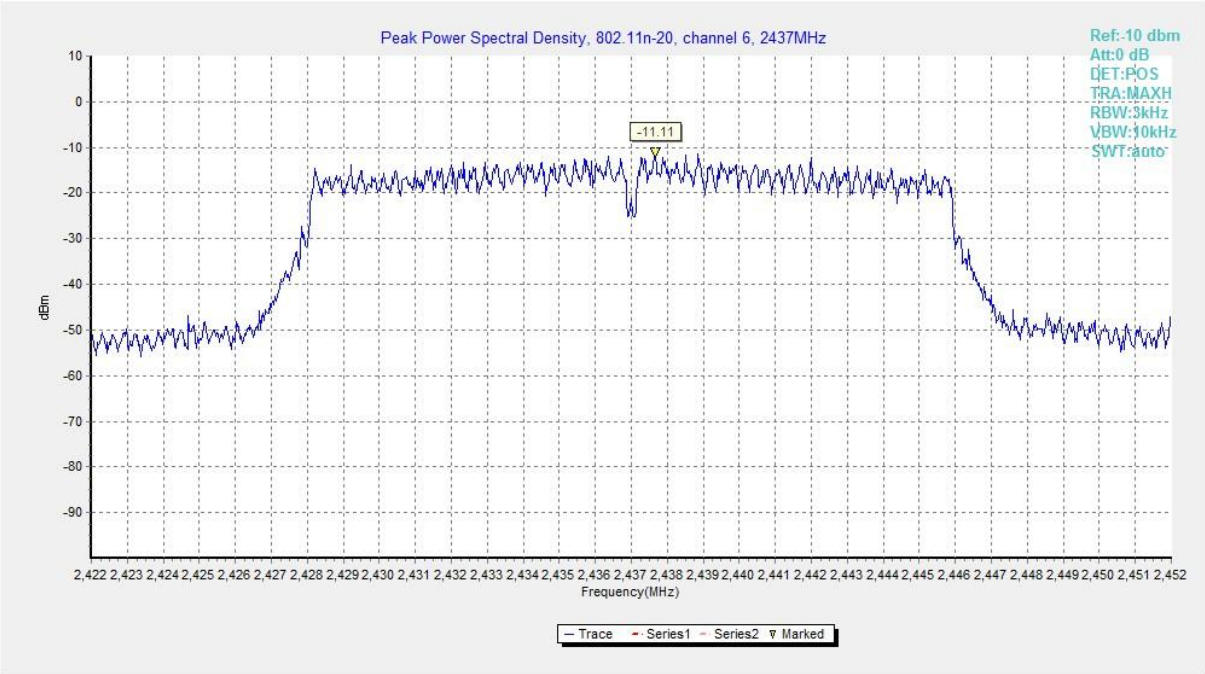

Fig.A.3.12 Power Spectral Density (802.11n-HT20, Ch 6)

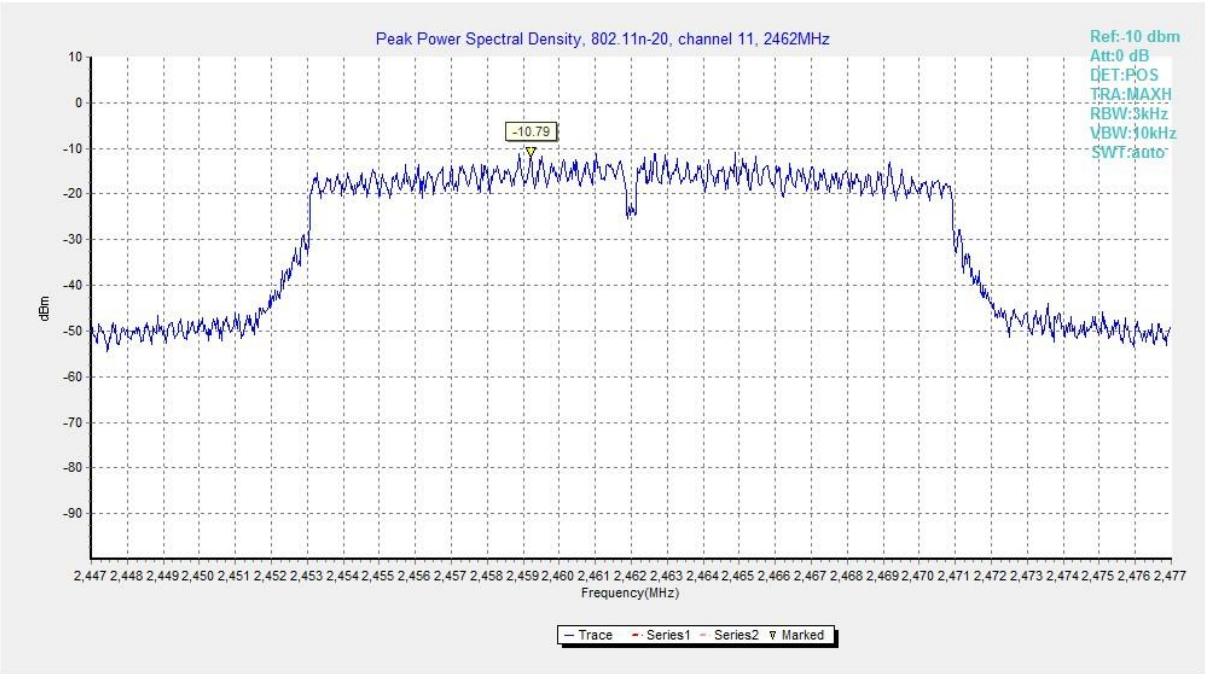

Fig.A.3.13 Power Spectral Density (802.11n-HT20, Ch 11)

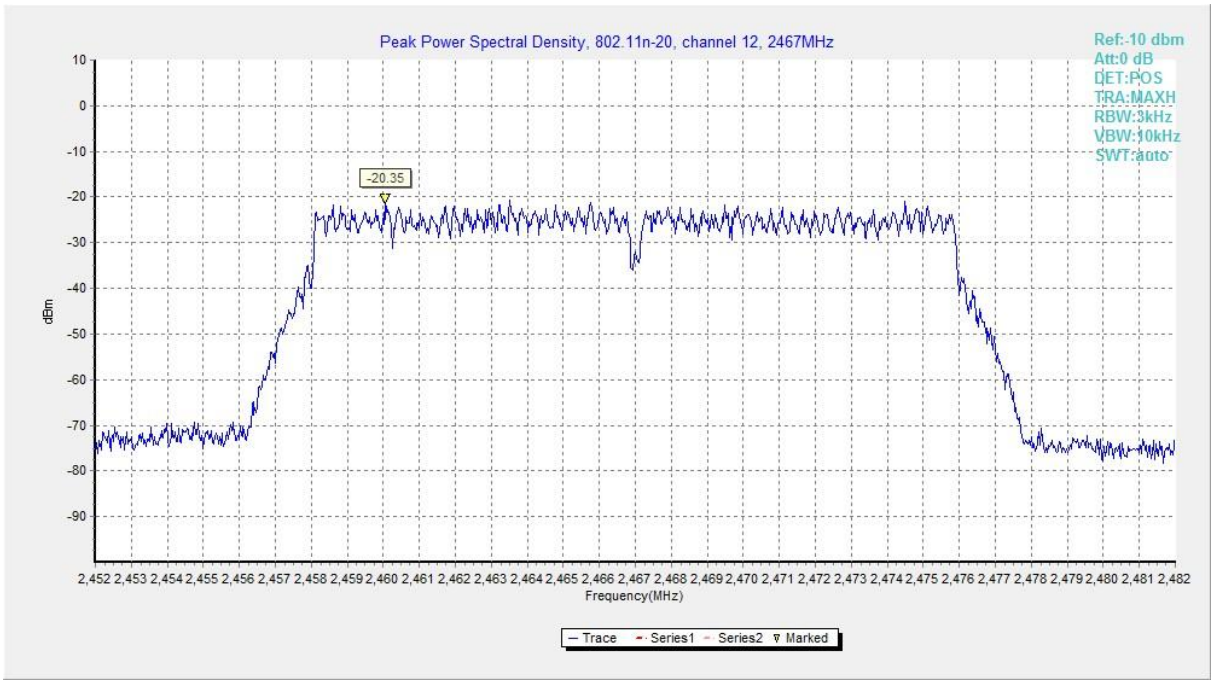

Fig.A.3.14 Power Spectral Density (802.11 n-HT20, Ch 12)

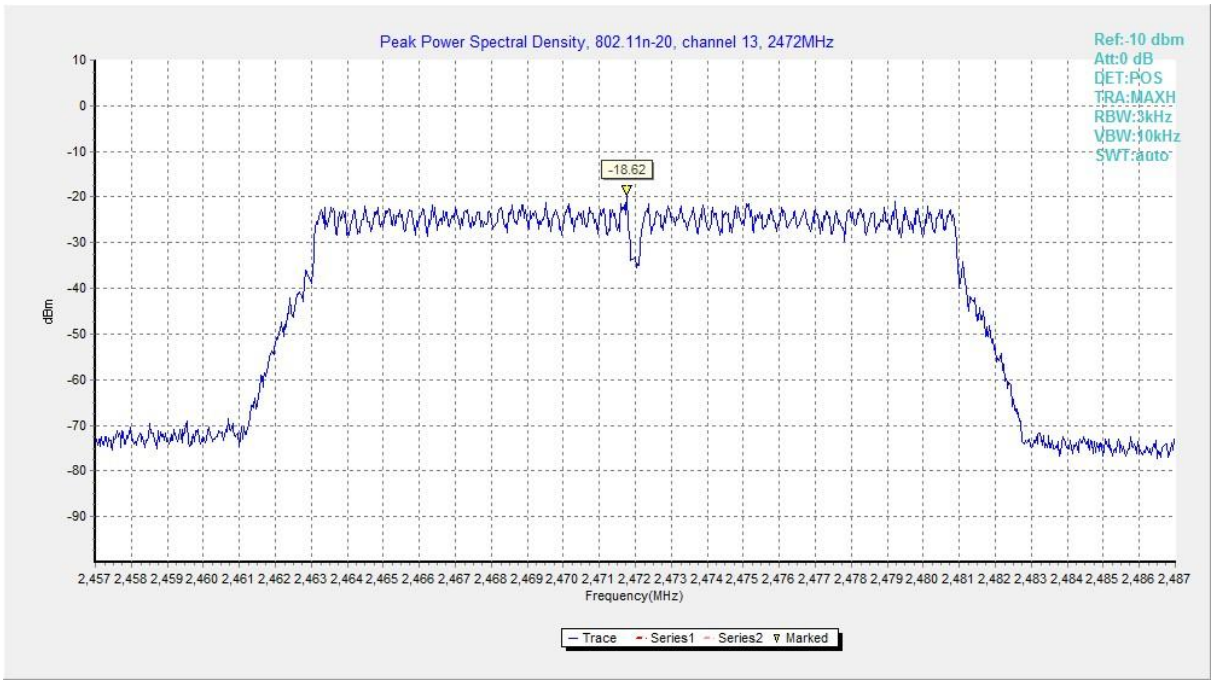

Fig.A.3.15 Power Spectral Density (802.11 n-HT20, Ch 13)

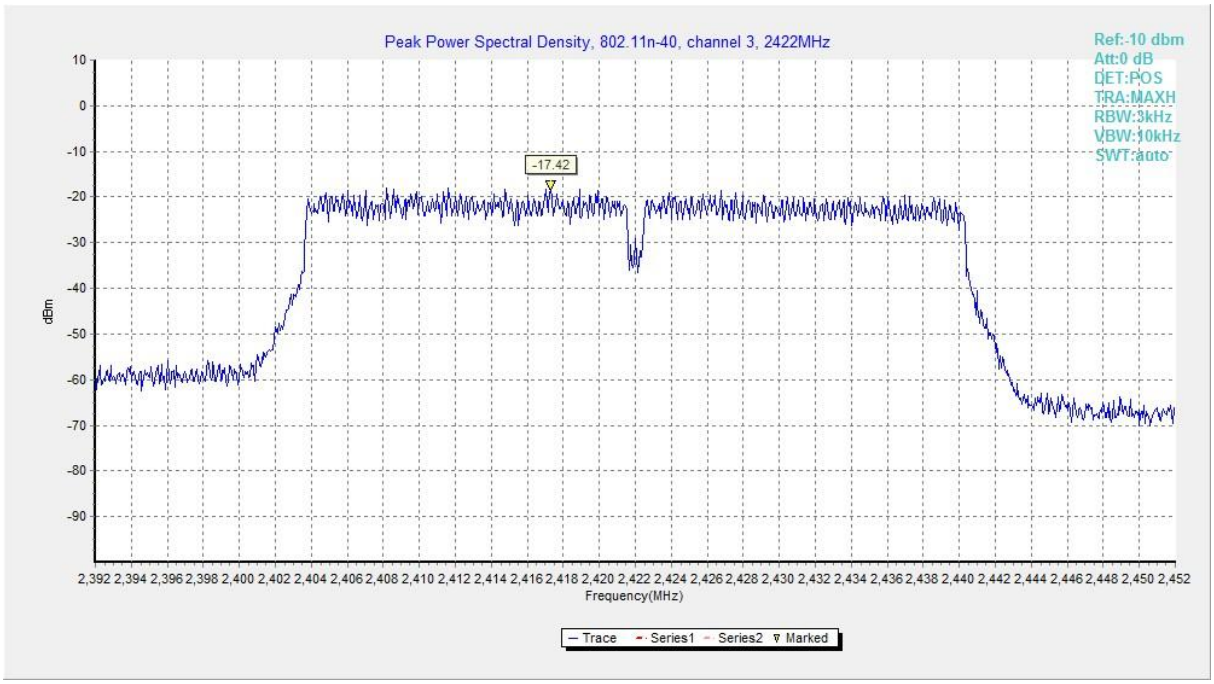

Fig.A.3.16 Power Spectral Density (802.11n-HT40, Ch 3)

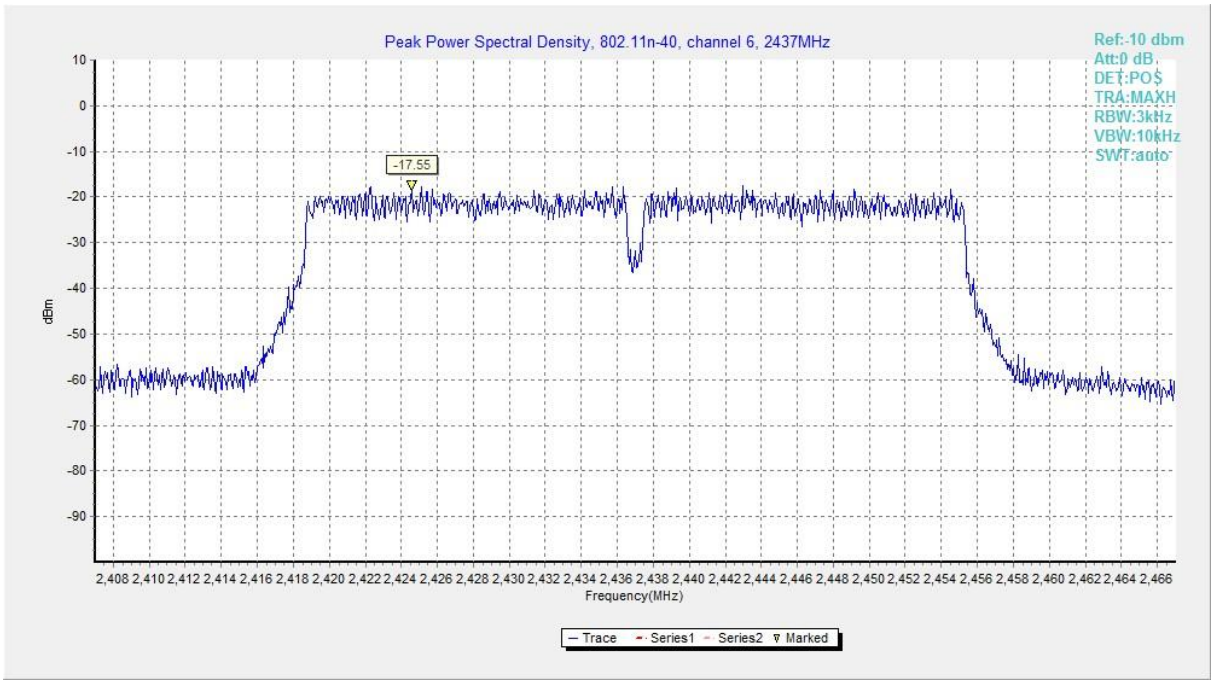

Fig.A.3.17 Power Spectral Density (802.11n-HT40, Ch 6)

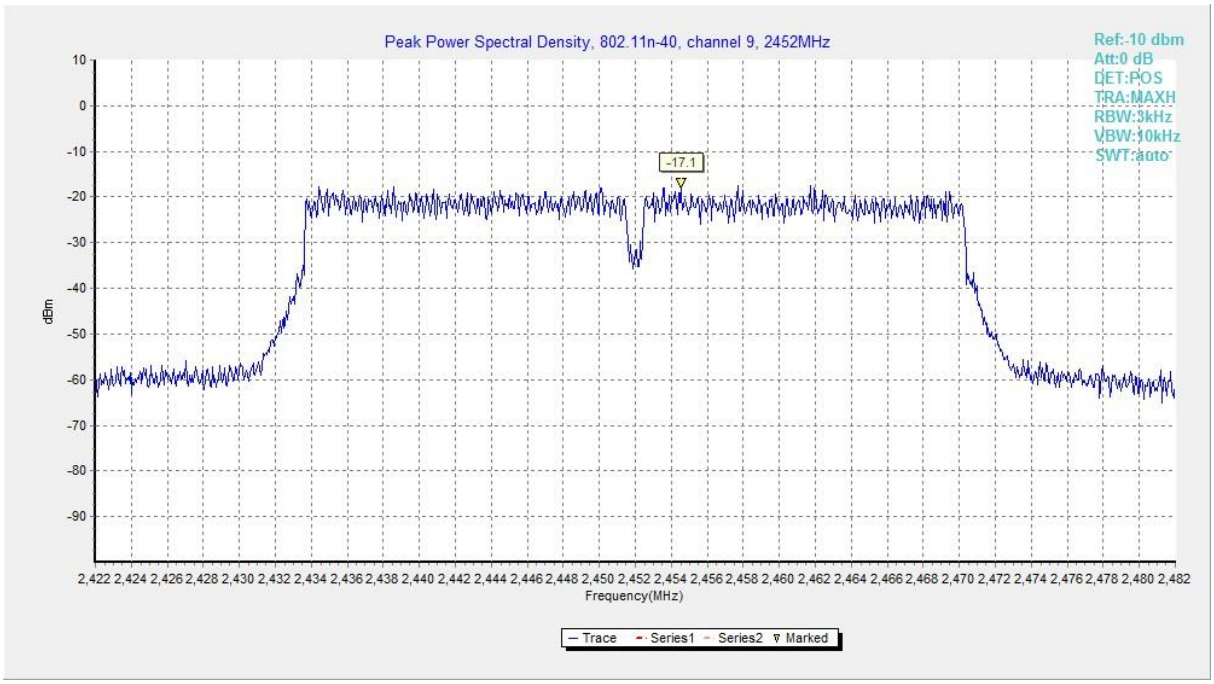

Fig.A.3.18 Power Spectral Density (802.11n-HT40, Ch 9)

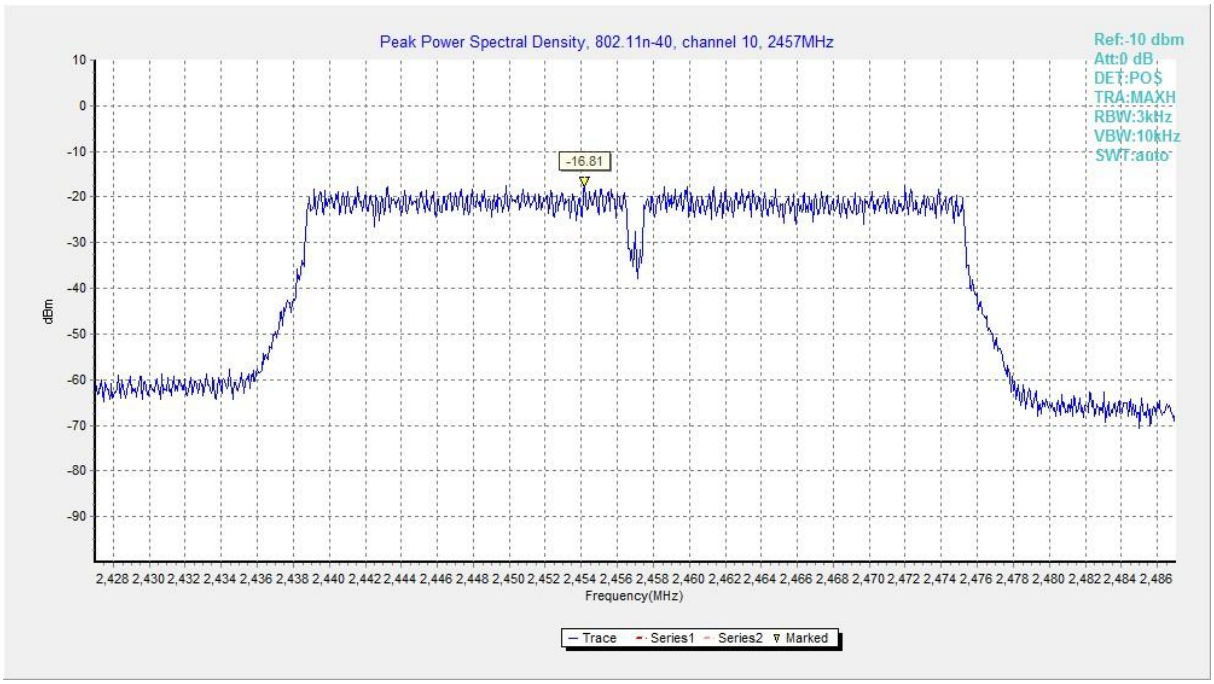

Fig.A.3.19 Power Spectral Density (802.11 n-HT40, Ch 10)

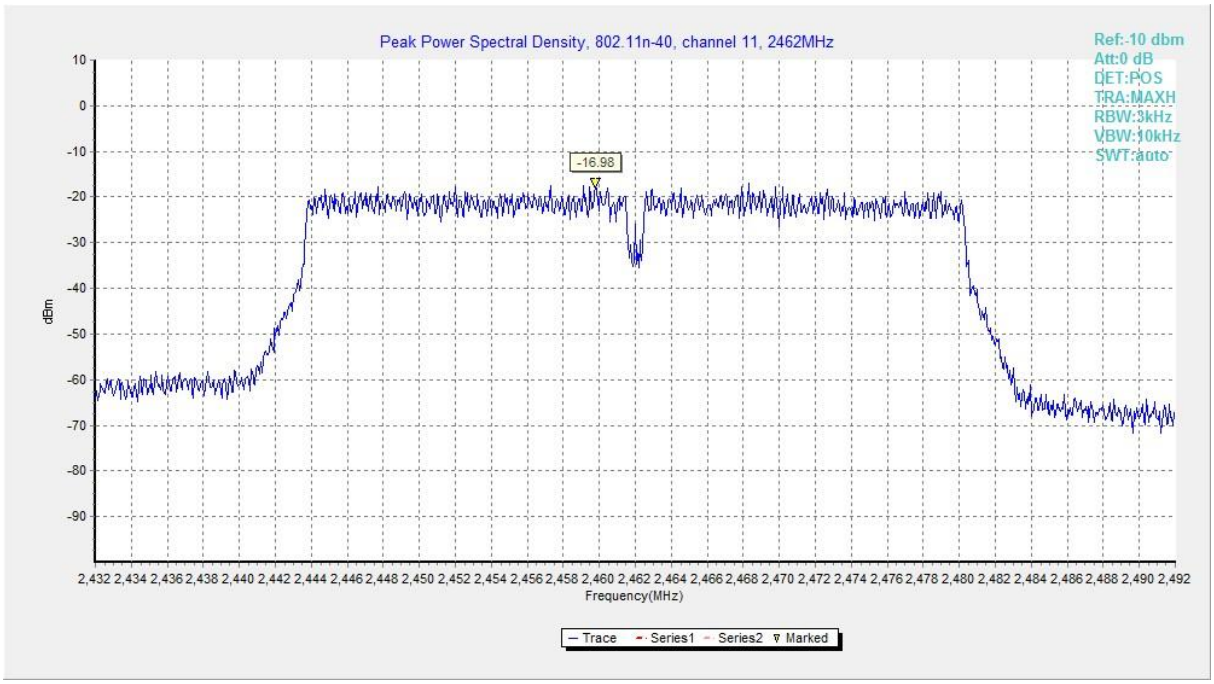

Fig.A.3.20 Power Spectral Density (802.11 n-HT40, Ch 11)

A.4. DTS 6-dB Signal Bandwidth

Method of Measurement: See KDB558074 section 8.1 (Option 1).

Measurement Limit:

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

EUT ID: EUT2

Modulation type and data rate tested:

802.11b	802.11g	802.11n-HT20	802.11n-HT40
11Mbps(CCK)	54Mbps(OFDM)	MCS3(OFDM)	MCS3(OFDM)

Measurement Result:

802.11b/g mode

Mode	Channel	Occupied 6dB Bandwidth (kHz)		conclusion
802.11b	1	Fig.A.4.1	9.40	**P**
	6	Fig.A.4.2	9.25	**P**
	11	Fig.A.4.3	9.25	**P**
	12	Fig.A.4.4	9.55	**P**
	13	Fig.A.4.5	9.75	**P**
802.11g	1	Fig.A.4.6	16.25	**P**
	6	Fig.A.4.7	16.05	**P**
	11	Fig.A.4.8	15.65	**P**
	12	Fig.A.4.9	16.30	**P**
	13	Fig.A.4.10	16.40	**P**

802.11n-HT20 mode

Mode	Channel	Occupied 6dB Bandwidth (kHz)		conclusion
802.11n (HT20)	1	Fig.A.4.11	16.10	**P**
	6	Fig.A.4.12	17.50	**P**
	11	Fig.A.4.13	16.25	**P**
	12	Fig.A.4.14	17.60	**P**
	13	Fig.A.4.15	17.60	**P**

802.11n-HT40 mode

Mode	Channel	Occupied 6dB Bandwidth (kHz)		conclusion
802.11n (HT40)	3	Fig.A.4.16	36.32	**P**
	6	Fig.A.4.17	36.32	**P**
	9	Fig.A.4.18	36.32	**P**
	10	Fig.A.4.19	36.00	**P**
	11	Fig.A.4.20	36.00	**P**

Conclusion: Pass

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz

Test graphs as below:

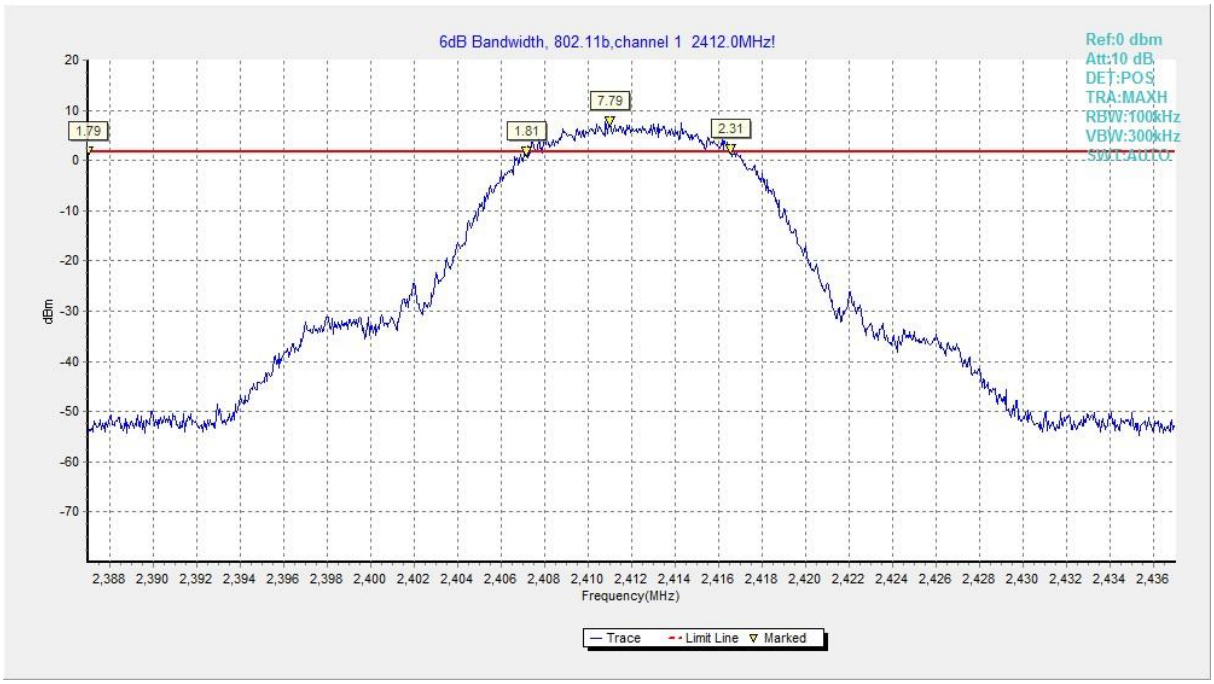

Fig.A.4.1 Occupied 6dB Bandwidth (802.11b, Ch 1)

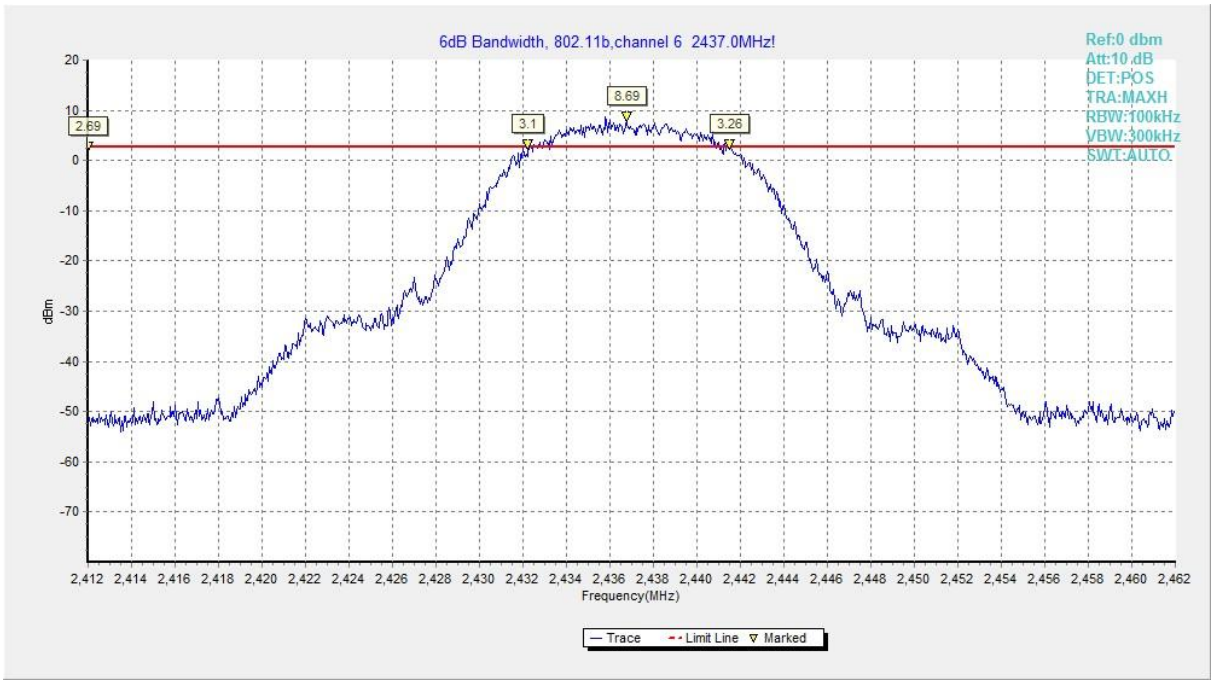

Fig.A.4.2 Occupied 6dB Bandwidth (802.11b, Ch 6)

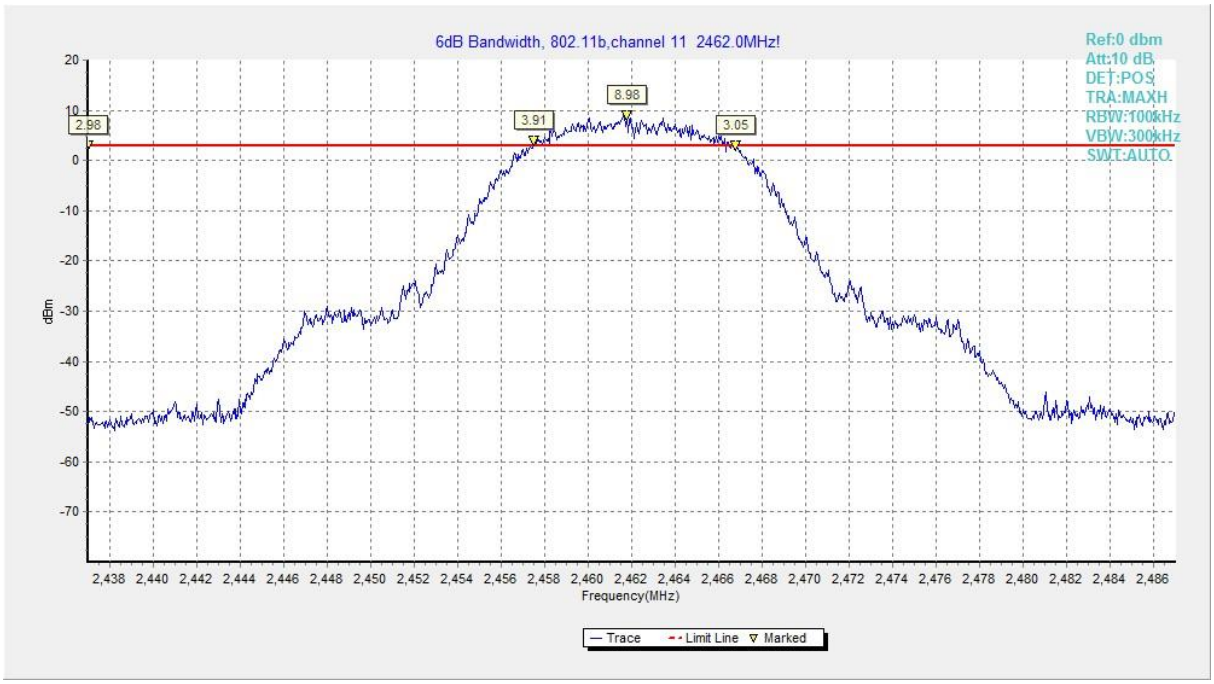

Fig.A.4.3 Occupied 6dB Bandwidth (802.11b, Ch 11)

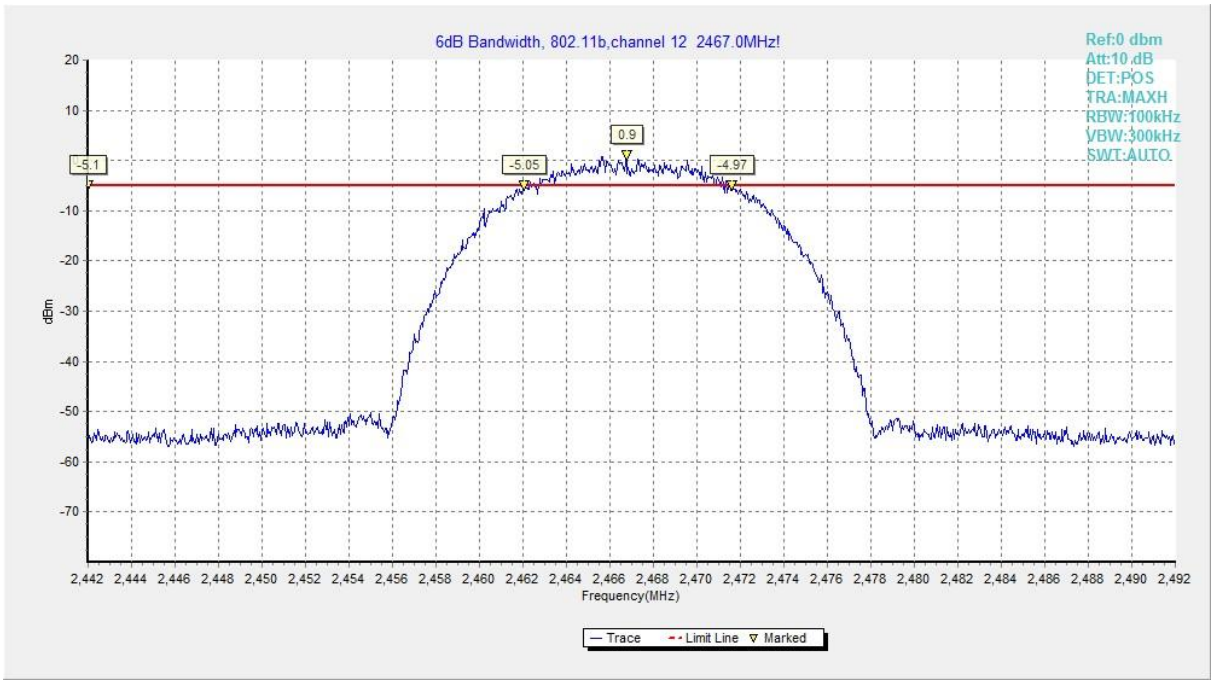

Fig.A.4.4 Occupied 6dB Bandwidth (802.11b, Ch 12)

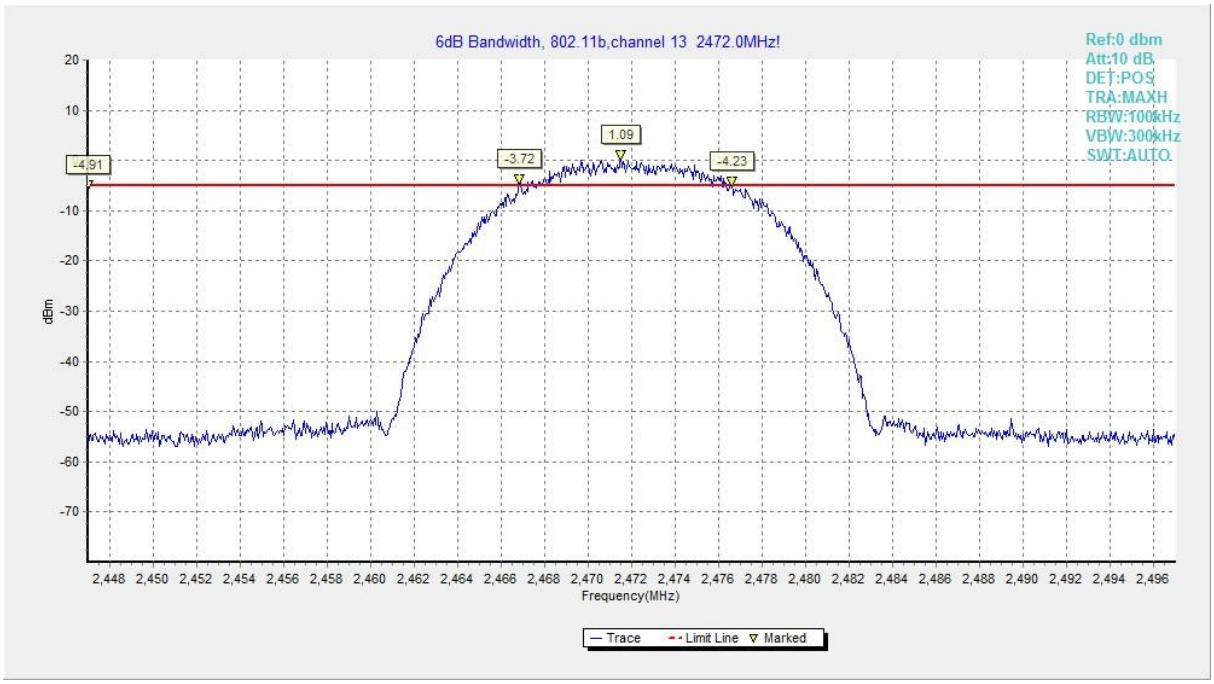

Fig.A.4.5 Occupied 6dB Bandwidth (802.11b, Ch 13)

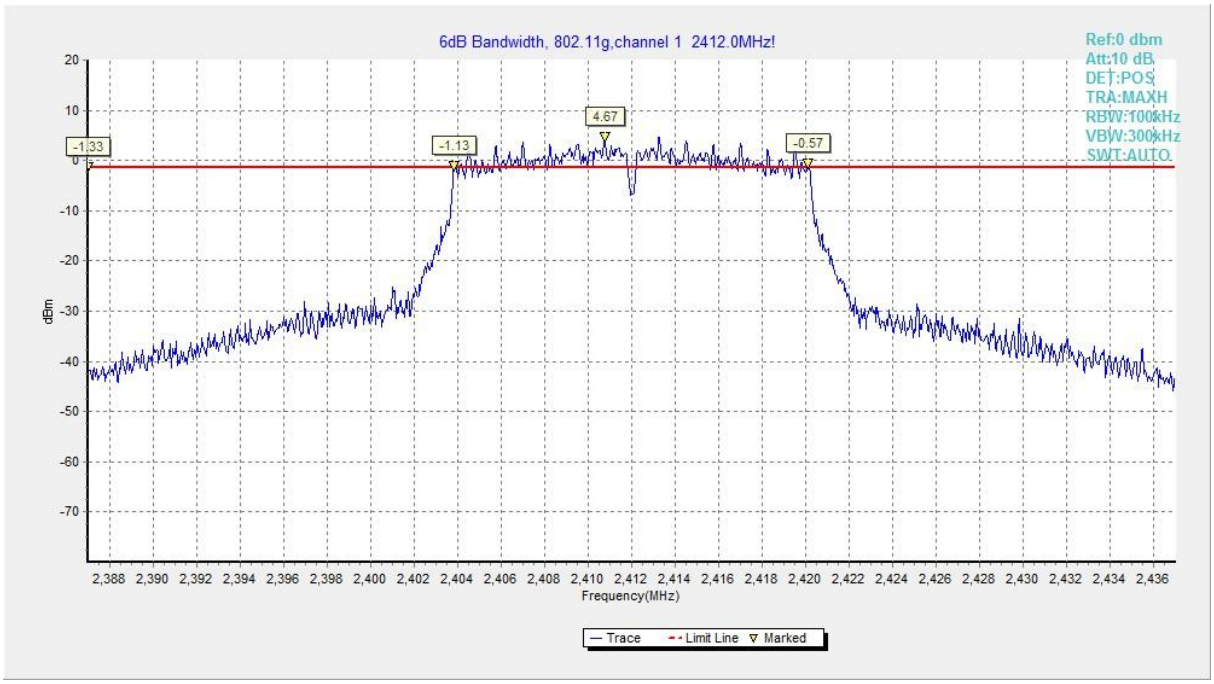

Fig.A.4.6 Occupied 6dB Bandwidth (802.11g, Ch 1)

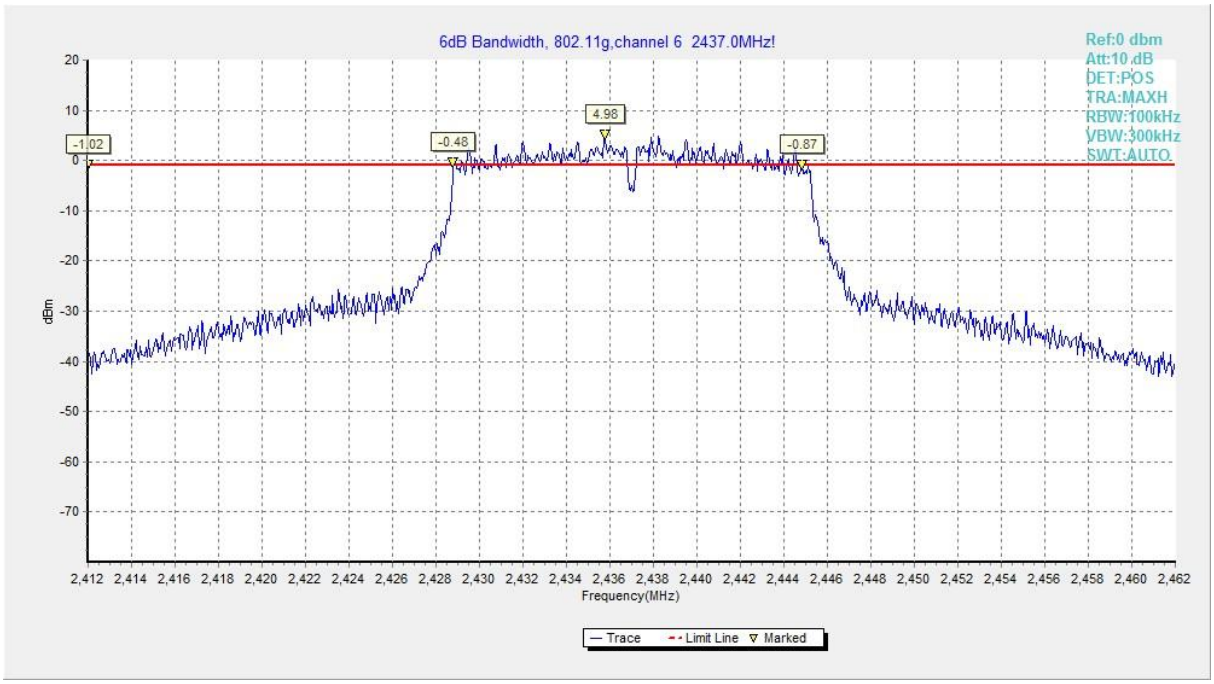

Fig.A.4.7 Occupied 6dB Bandwidth (802.11g, Ch 6)

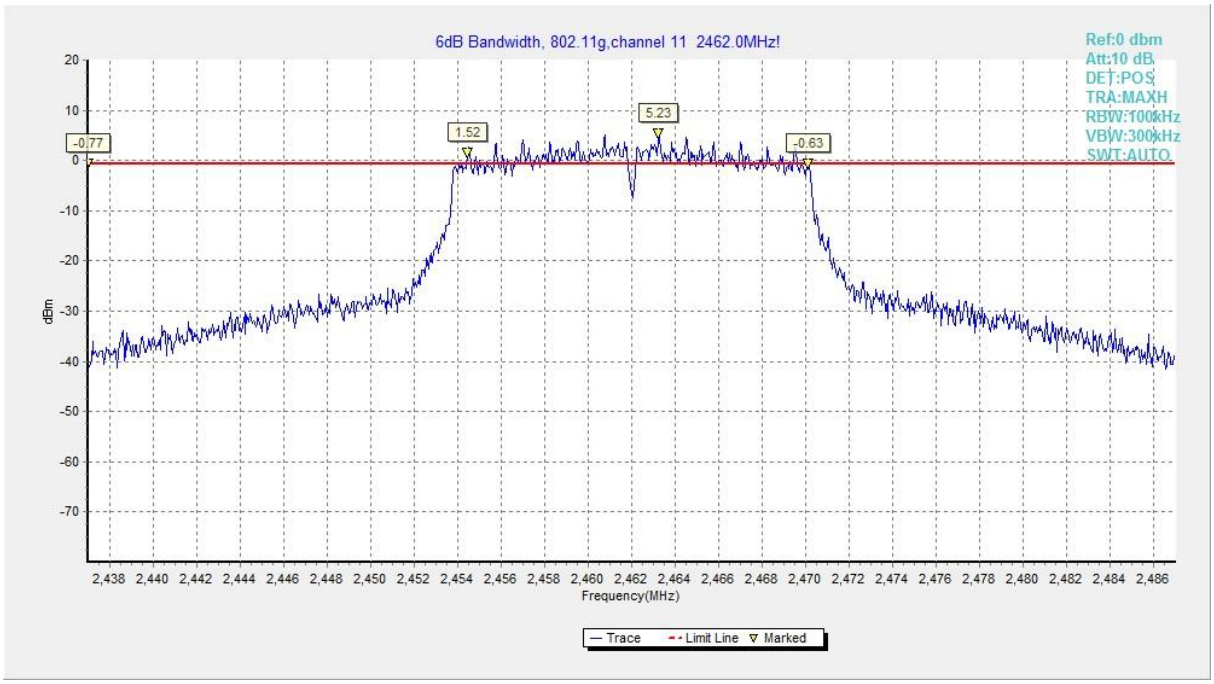

Fig.A.4.8 Occupied 6dB Bandwidth (802.11g, Ch 11)

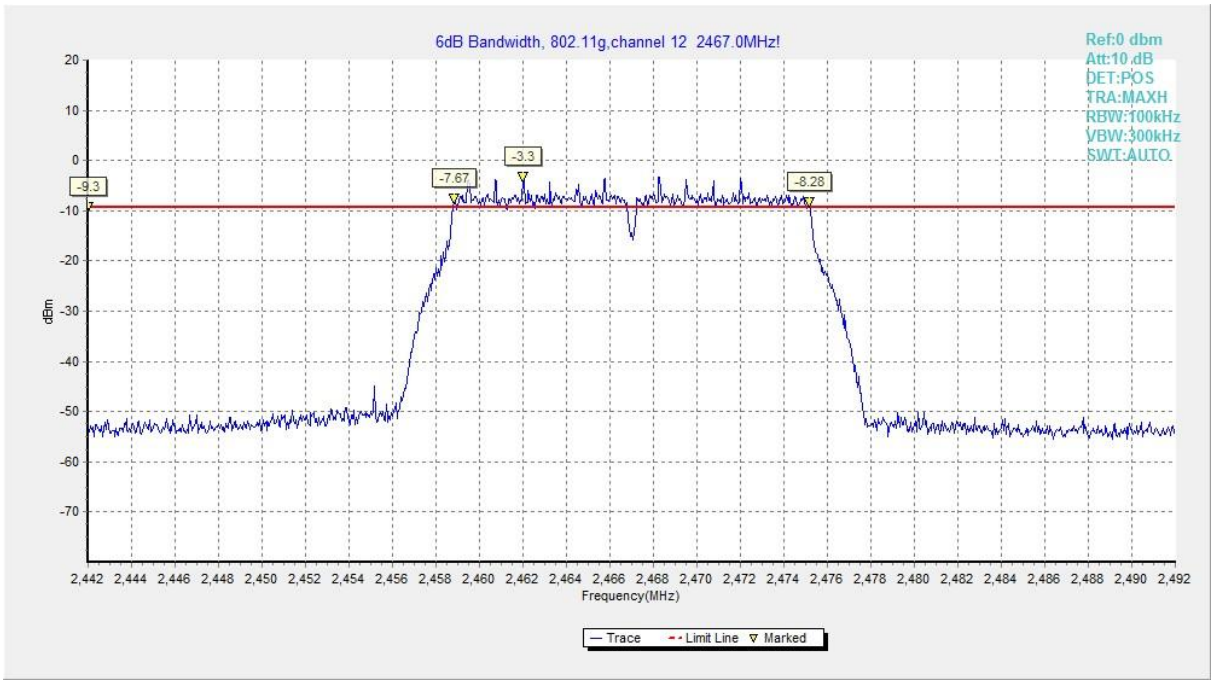

Fig.A.4.9 Occupied 6dB Bandwidth (802.11g, Ch 12)

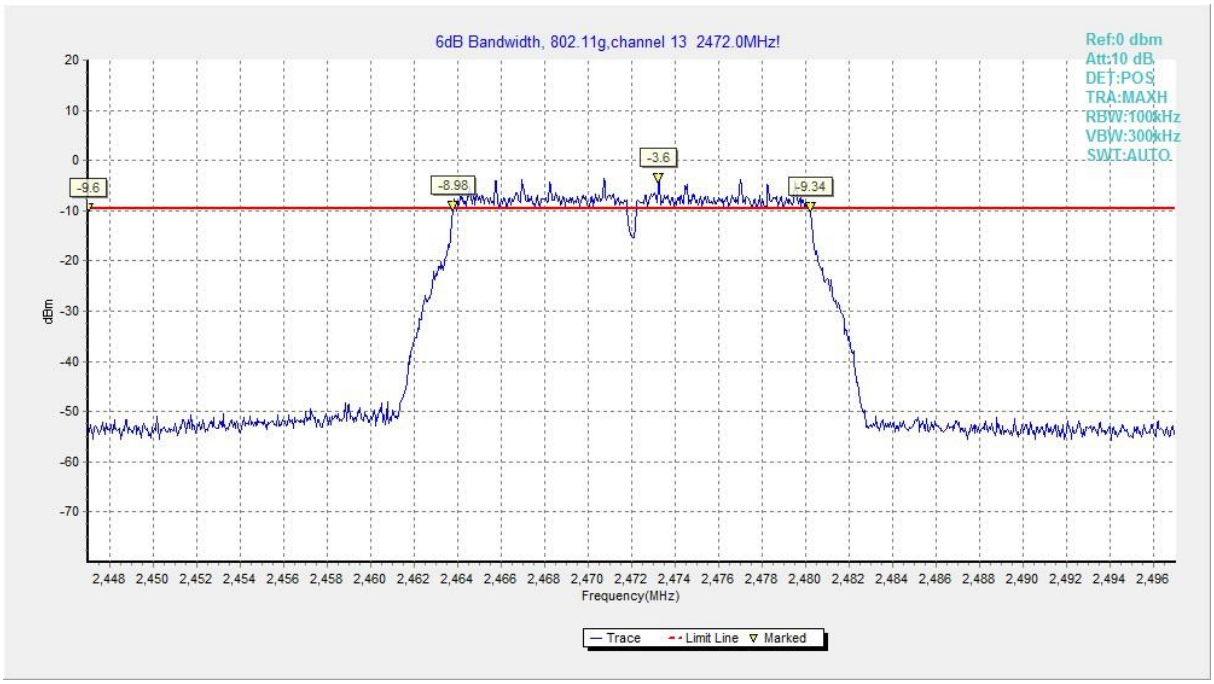

Fig.A.4.10 Occupied 6dB Bandwidth (802.11g, Ch 13)

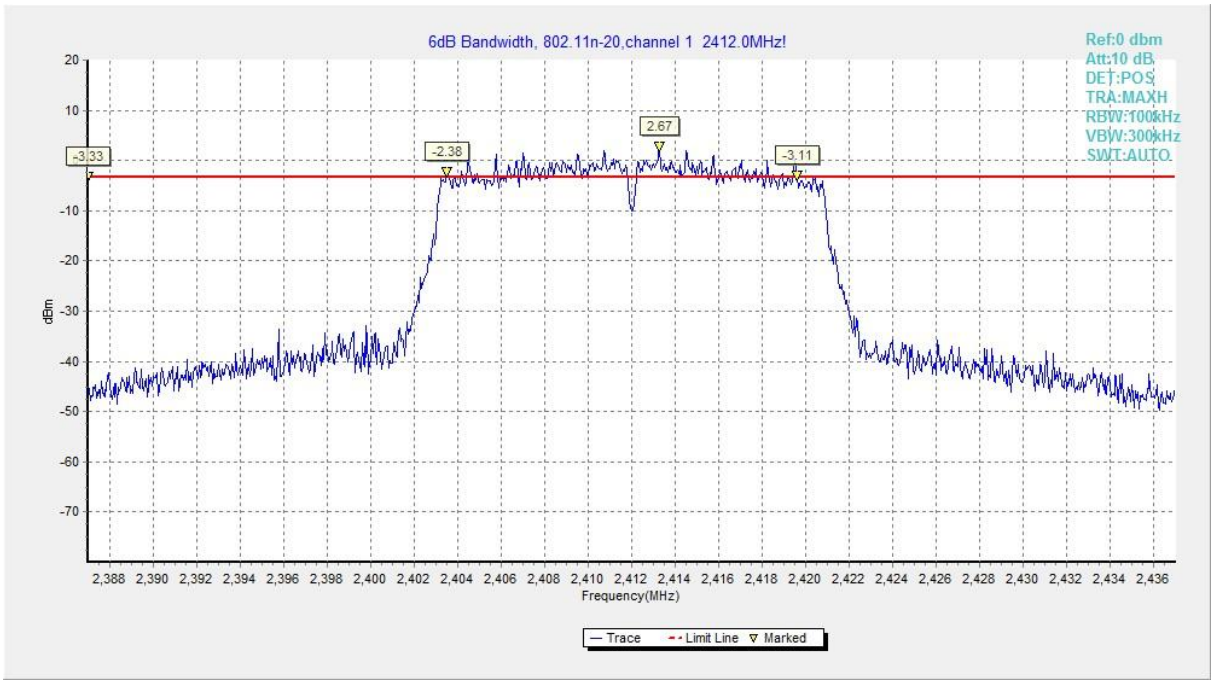

Fig.A.4.11 Occupied 6dB Bandwidth (802.11n-20MHz, Ch 1)

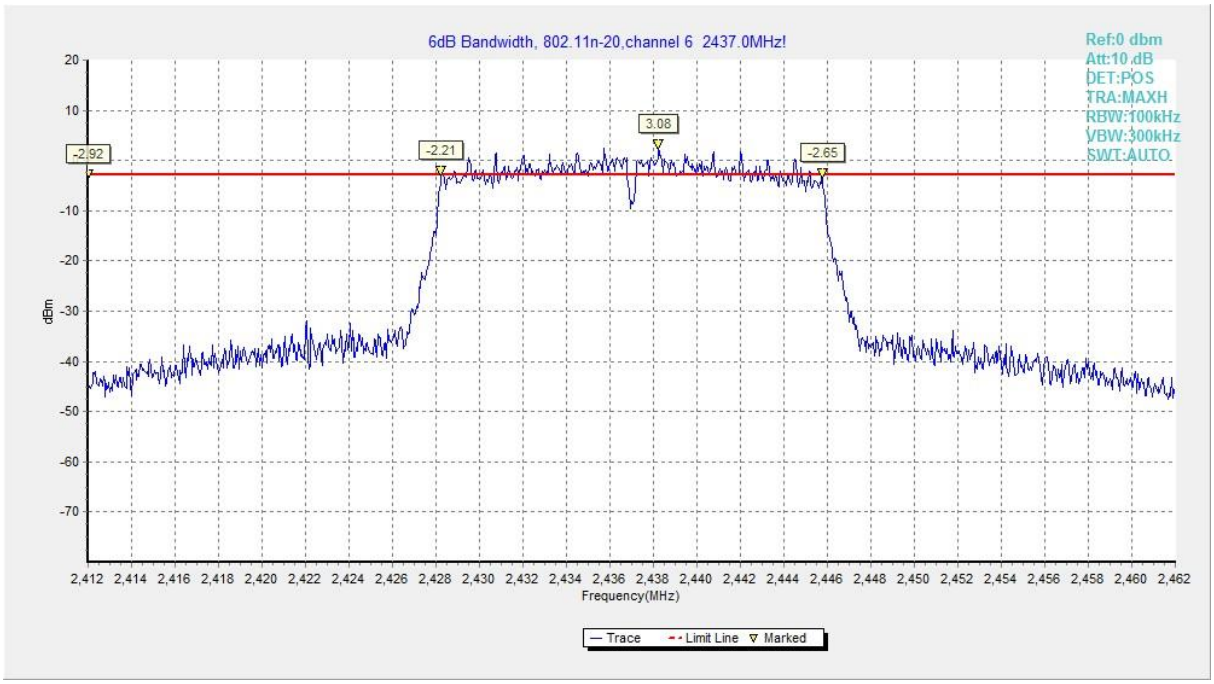

Fig.A.4.12 Occupied 6dB Bandwidth (802.11n-HT20, Ch 6)

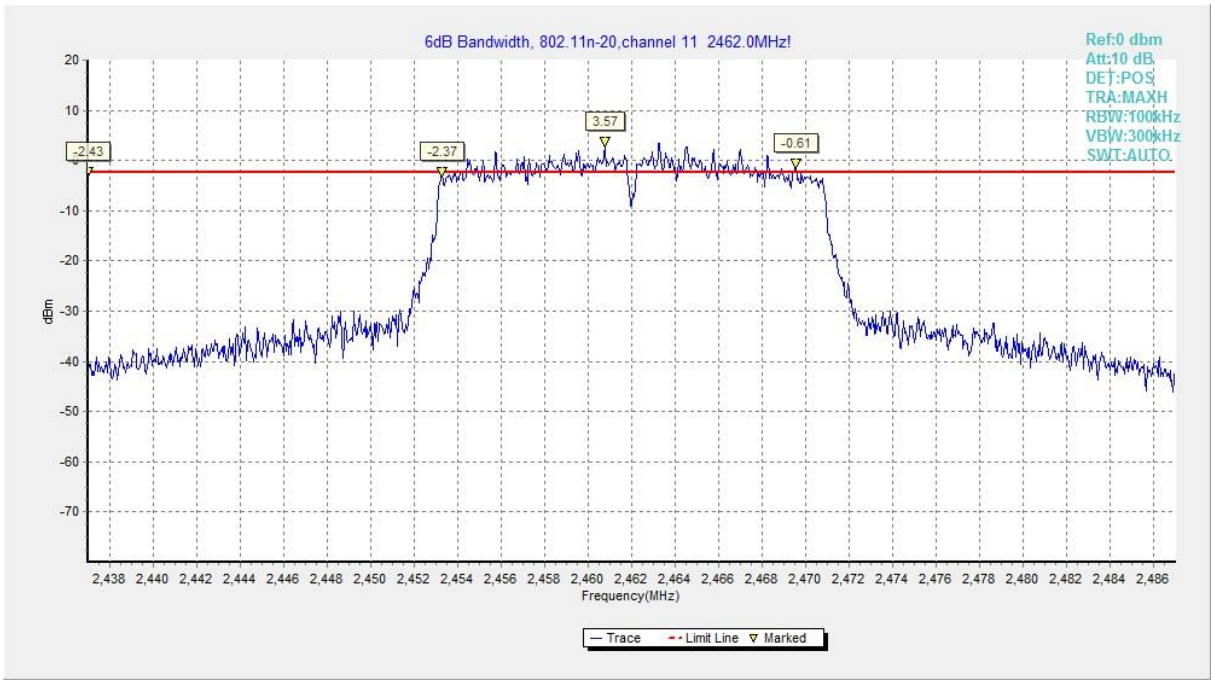

Fig.A.4.13 Occupied 6dB Bandwidth (802.11n-HT20, Ch 11)

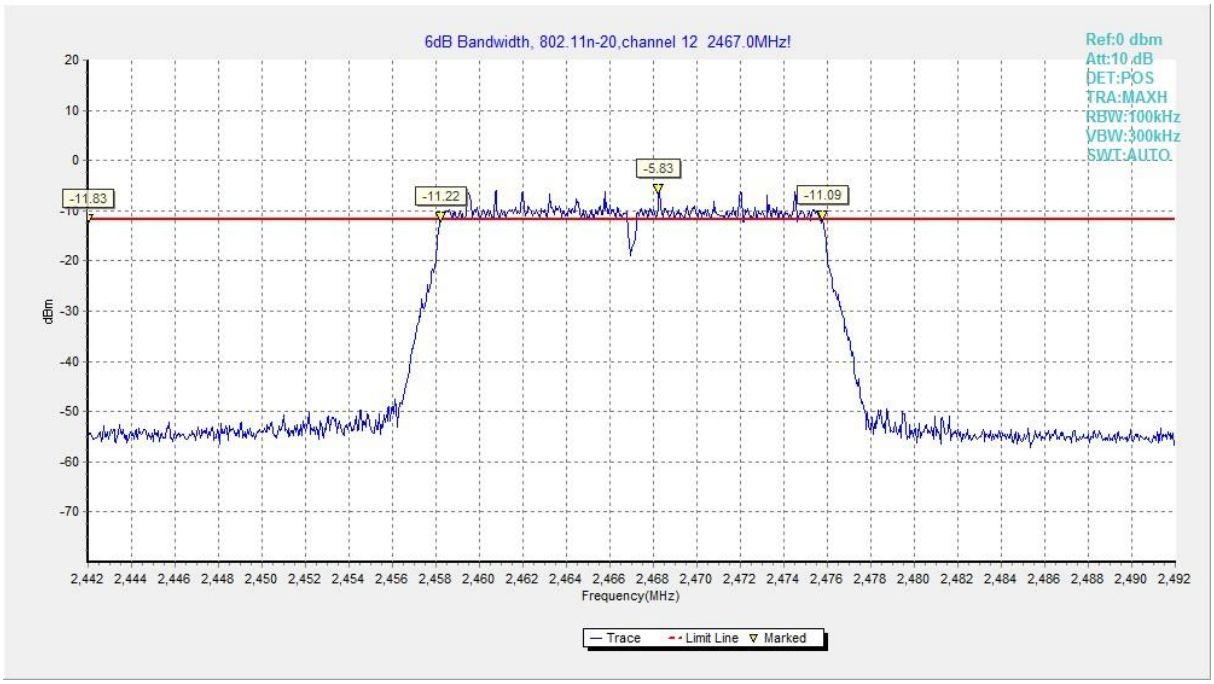

Fig.A.4.14 Occupied 6dB Bandwidth (802.11 n-HT20, Ch 12)

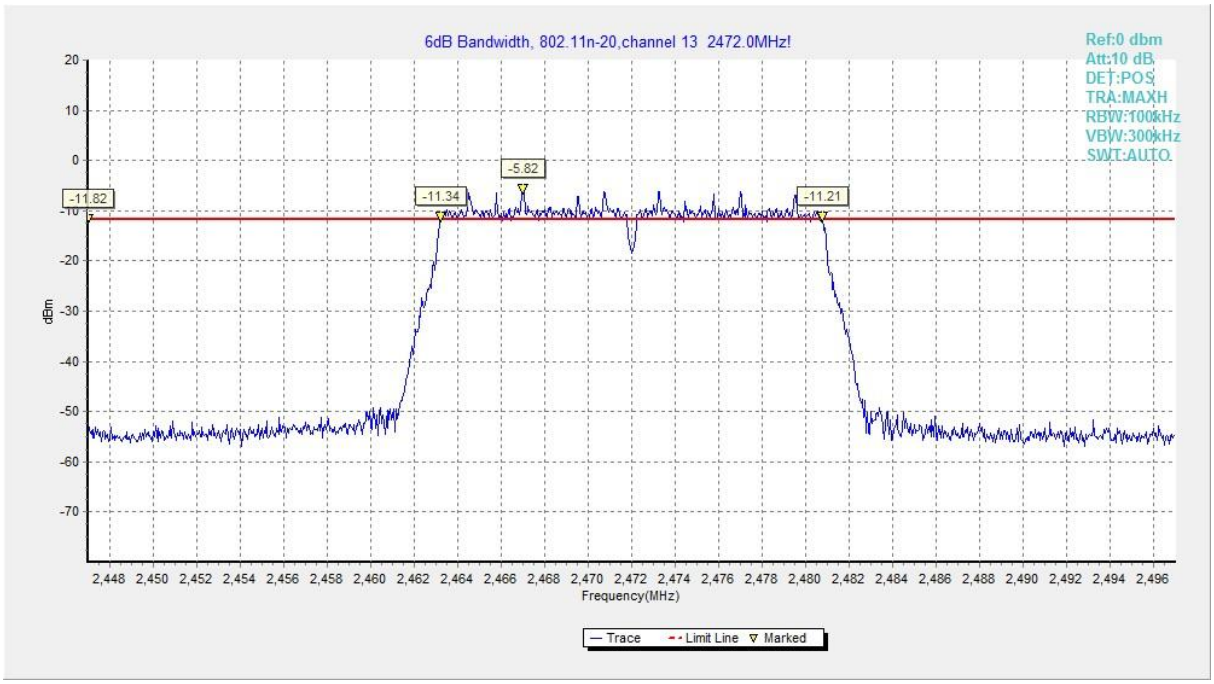

Fig.A.4.15 Occupied 6dB Bandwidth (802.11 n-HT20, Ch 13)

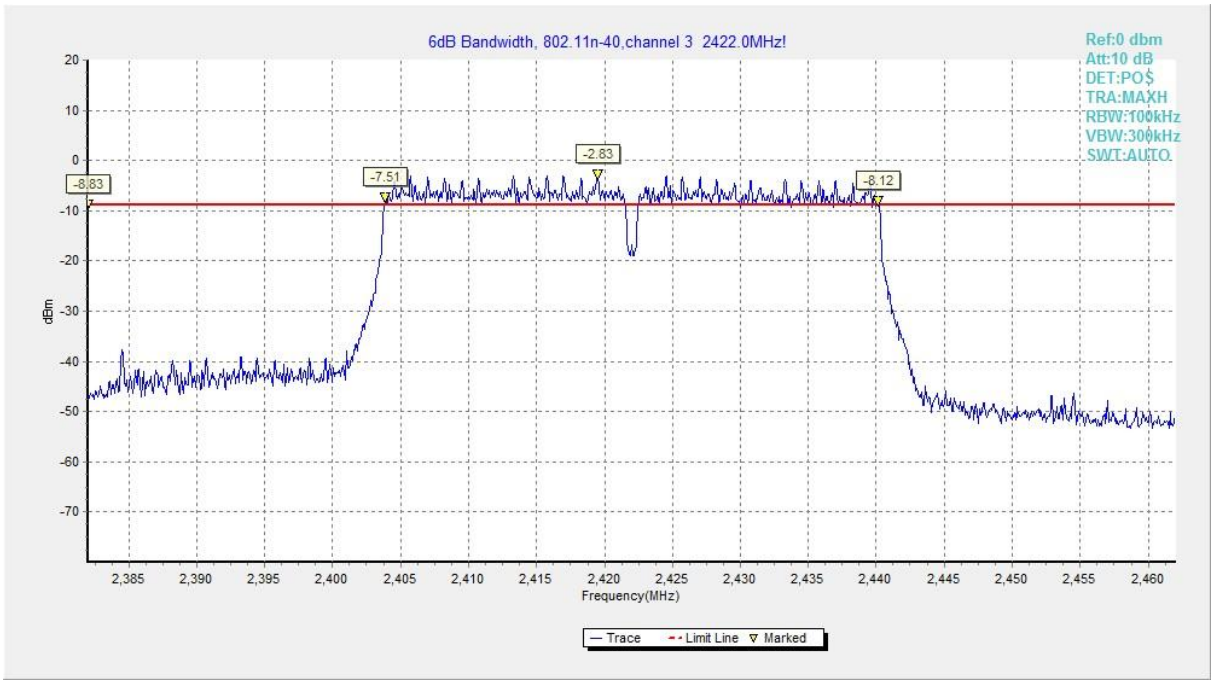

Fig.A.4.16 Occupied 6dB Bandwidth (802.11n-40MHz, Ch 3)

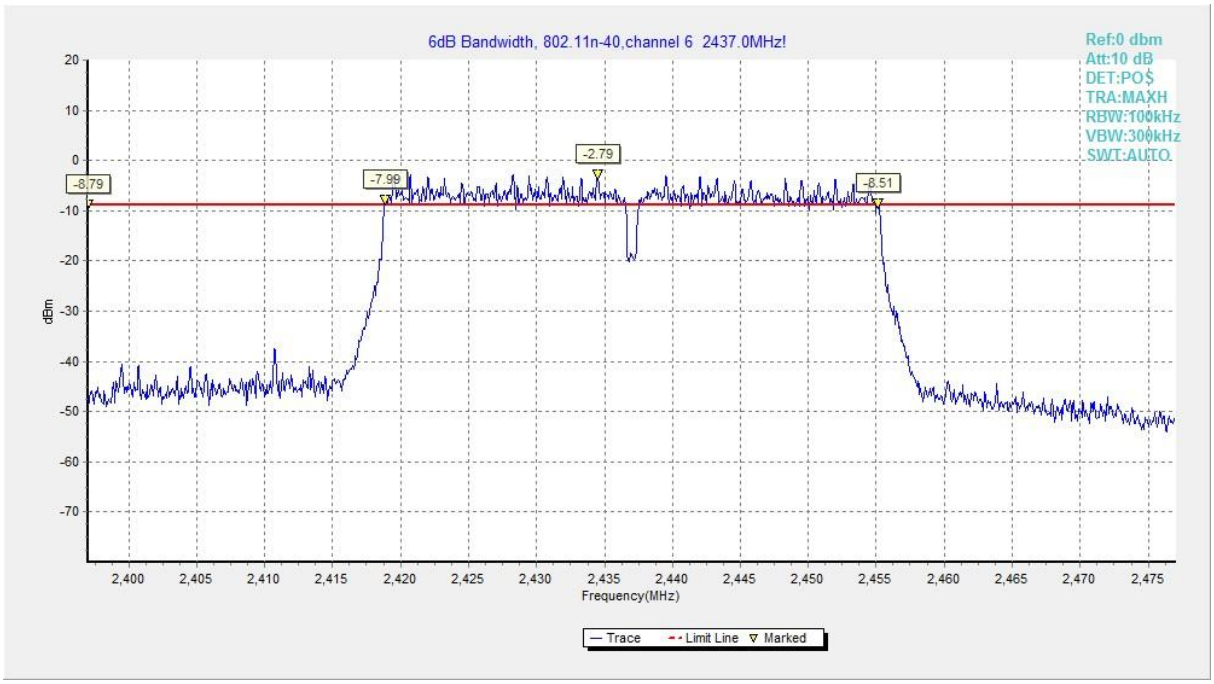

Fig.A.4.17 Occupied 6dB Bandwidth (802.11n-HT40, Ch 6)

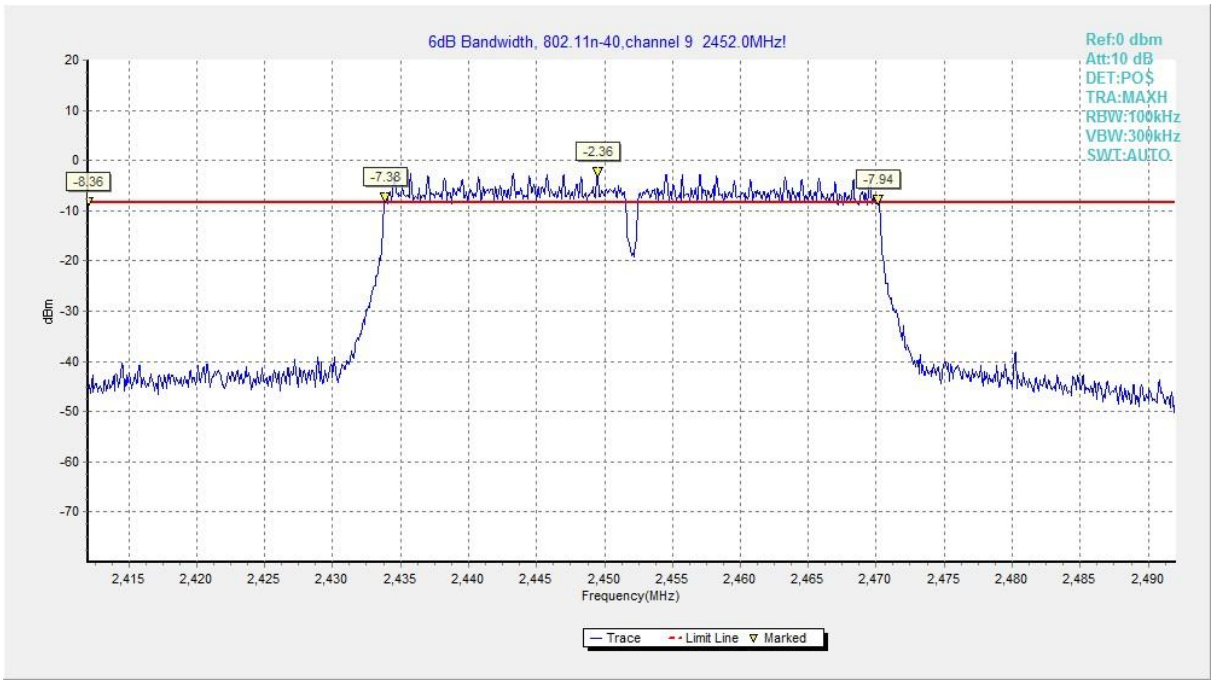

Fig.A.4.18 Occupied 6dB Bandwidth (802.11n-HT40, Ch 9)

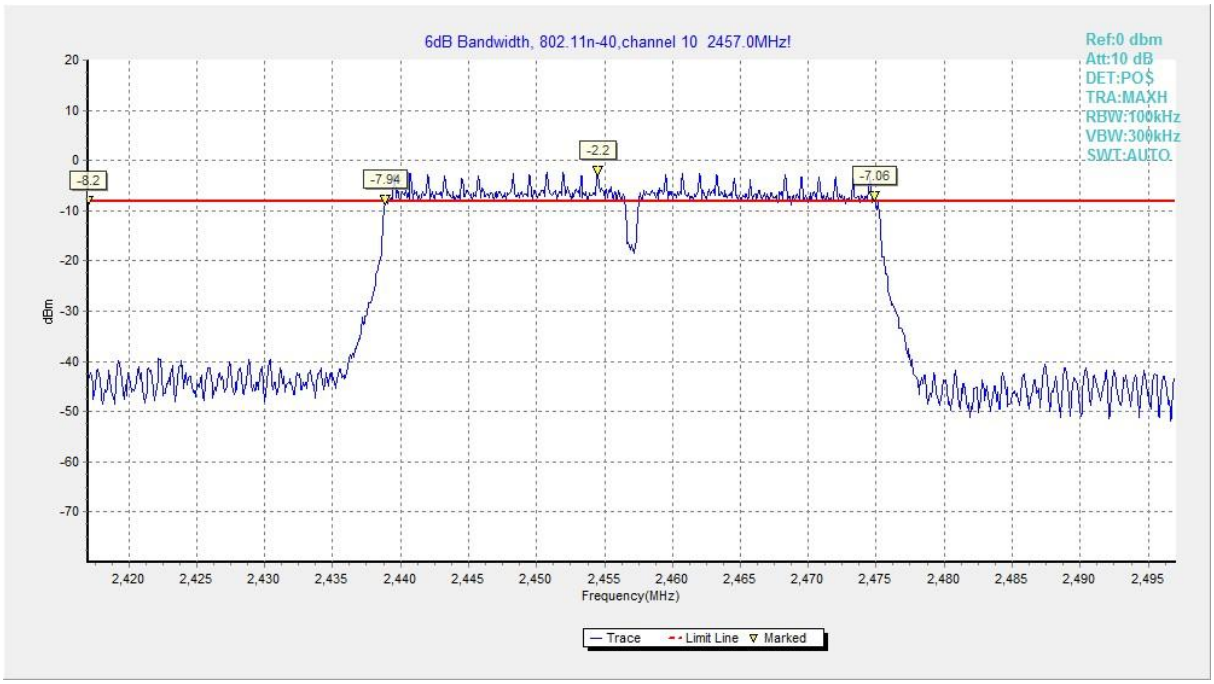

Fig.A.4.19 Occupied 6dB Bandwidth (802.11 n-HT40, Ch 10)

Fig.A.4.20 Occupied 6dB Bandwidth (802.11 n-HT40, Ch 11)

A.5. Band Edges Compliance

Method of Measurement: See KDB558074 section 13.1(Marker-delta method).

Measurement Limit:

Standard	Limit (dBc)
FCC 47 CFR Part 15.247 (d)	> 20

The measurement is made according to KDB558074.

EUT ID: EUT2

Modulation type and data rate tested:

802.11b	802.11g	802.11n-HT20	802.11n-HT40
11Mbps(CCK)	54Mbps(OFDM)	MCS3(OFDM)	MCS3(OFDM)

Measurement Result:

802.11b/g mode

Mode	Channel	Test Results	Conclusion
802.11b	1	Fig.A.5.1	**P**
	11	Fig.A.5.2	**P**
	12	Fig.A.5.3	**P**
	13	Fig.A.5.4	**P**
802.11g	1	Fig.A.5.5	**P**
	11	Fig.A.5.6	**P**
	12	Fig.A.5.7	**P**
	13	Fig.A.5.8	**P**

802.11n-HT20 mode

Mode	Channel	Test Results	Conclusion
802.11n (HT20)	1	Fig.A.5.9	**P**
	11	Fig.A.5.10	**P**
	12	Fig.A.5.11	**P**
	13	Fig.A.5.12	**P**

802.11n-HT40 mode

Mode	Channel	Test Results	Conclusion
802.11n (HT40)	3	Fig.A.5.13	**P**
	9	Fig.A.5.14	**P**
	10	Fig.A.5.15	**P**
	11	Fig.A.5.16	**P**

Conclusion: Pass

Measurement Uncertainty:

Measurement Uncertainty	0.75dB

Test graphs as below:

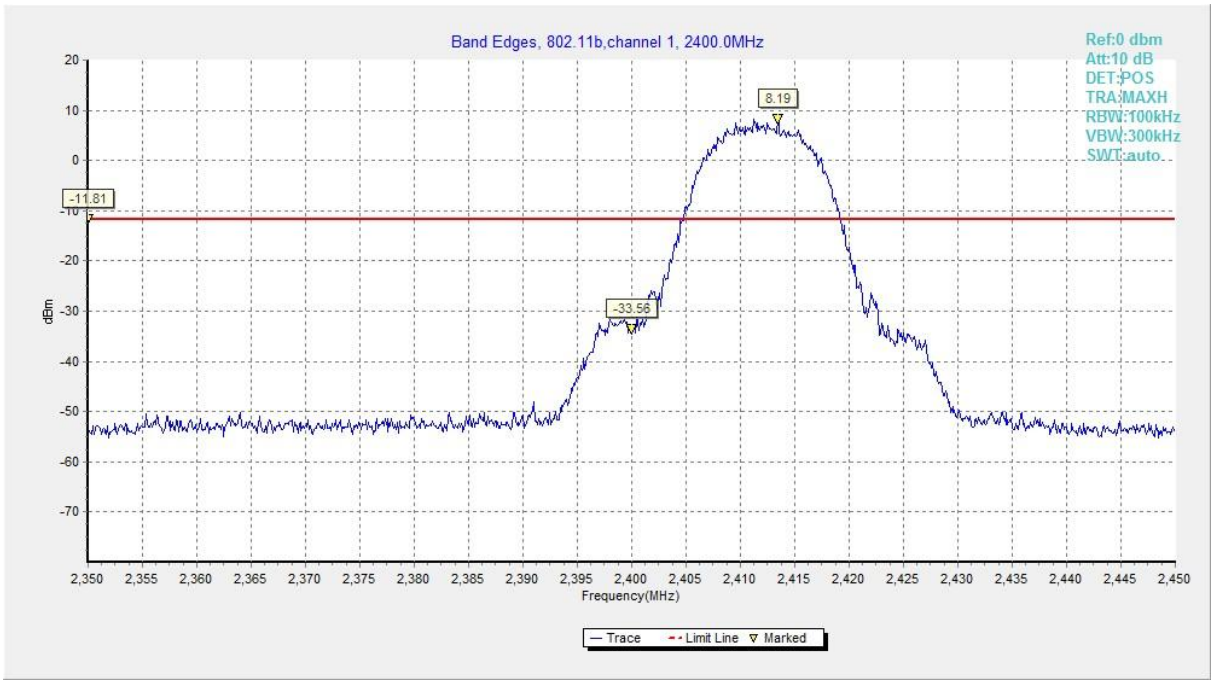

Fig.A.5.1 Band Edges (802.11b, Ch 1)

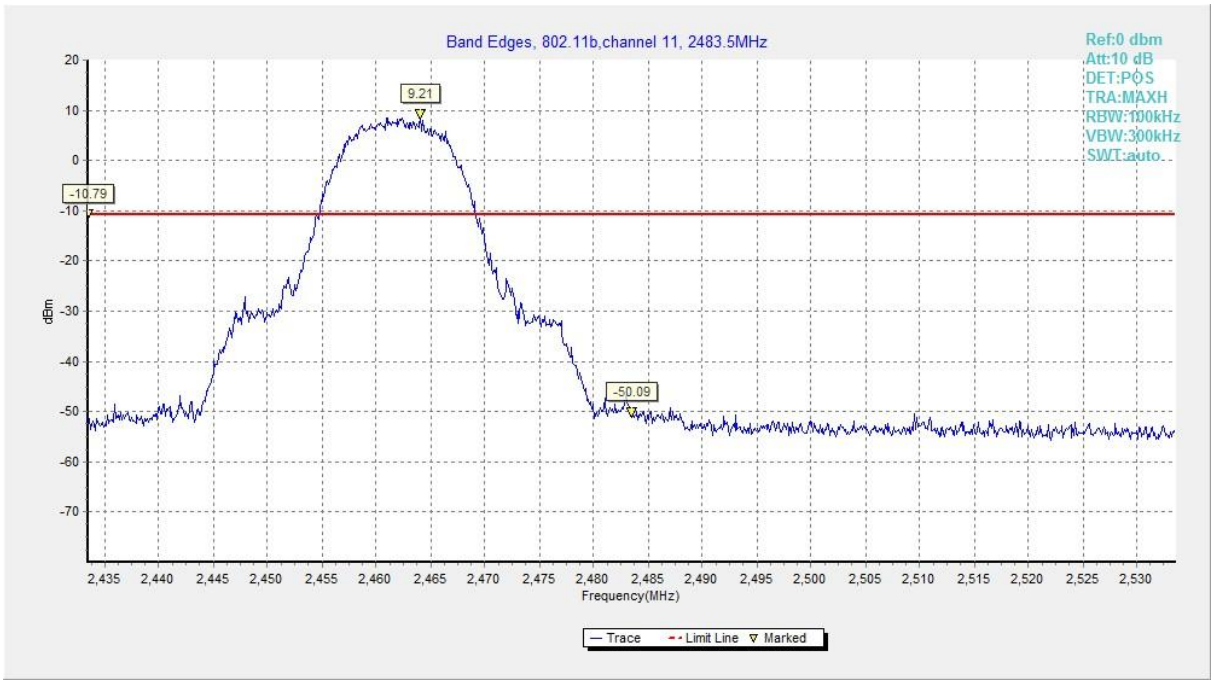

Fig.A.5.2 Band Edges (802.11b, Ch 11)