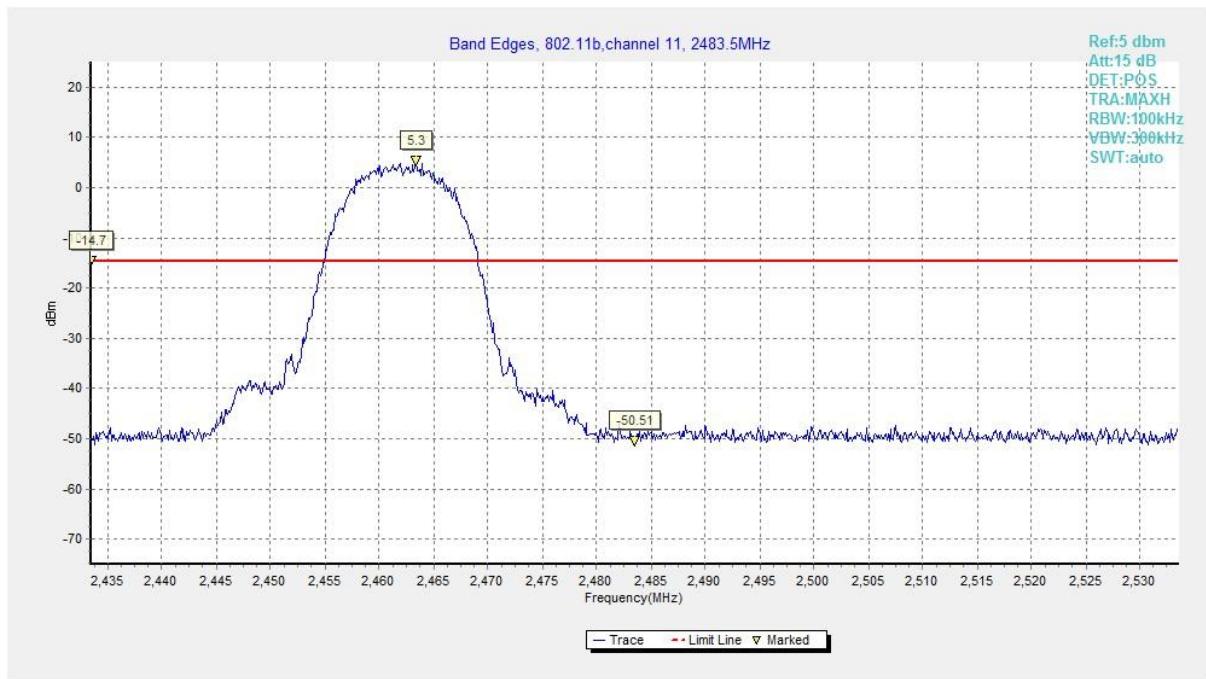
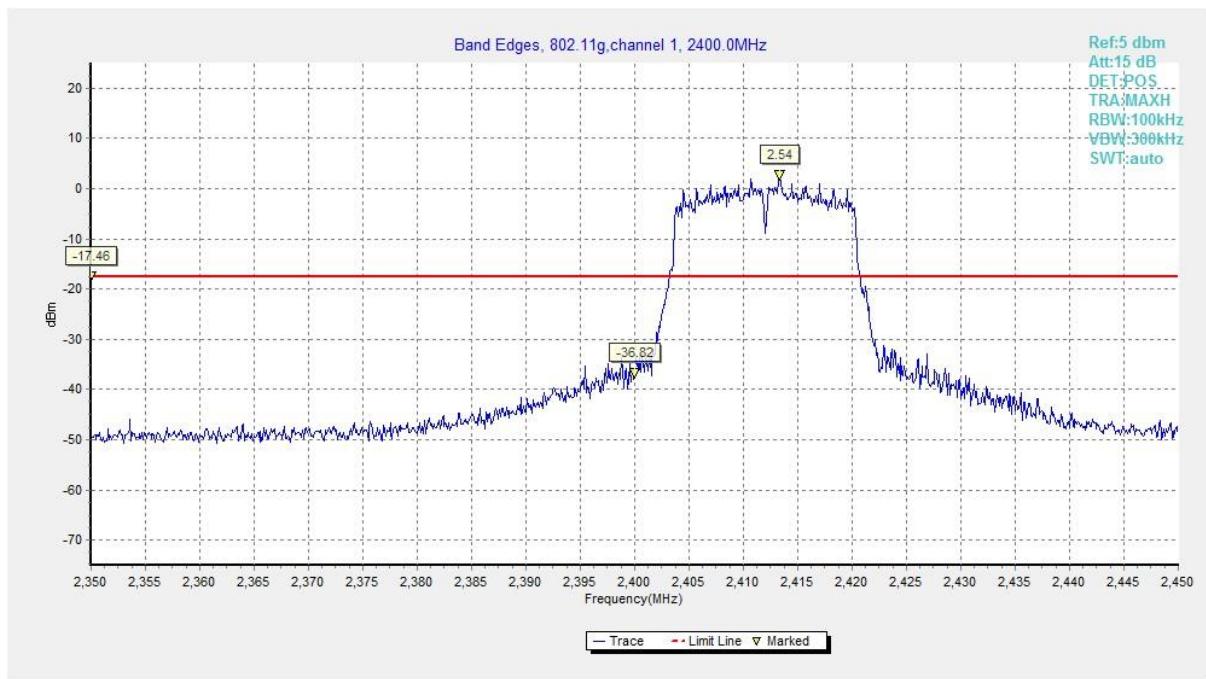
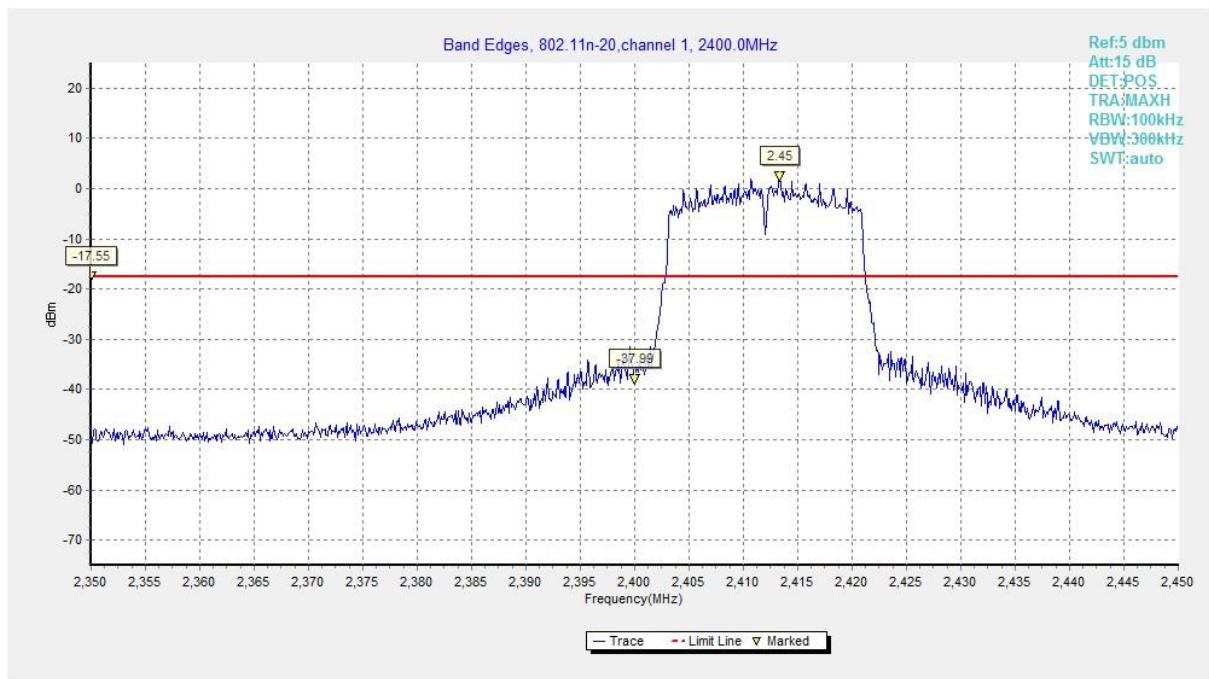

**Fig.A.6.1      Band Edges (802.11b, Ch 1)**

**Fig.A.6.2      Band Edges (802.11b, Ch 11)**


**Fig.A.6.3      Band Edges (802.11g, Ch 1)**

**Fig.A.6.4      Band Edges (802.11g, Ch 11)**



**Fig.A.6.5 Band Edges (802.11n-HT20, Ch 1)**



**Fig.A.6.6 Band Edges (802.11n-HT20, Ch 11)**

## A.7. Transmitter Spurious Emission

### A.7.1 Transmitter Spurious Emission - Conducted

#### Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (d)	20dB below peak output power in 100 kHz bandwidth

The measurement is made according to KDB558074.

**EUT ID: EUT2**

**Modulation type and data rate tested:**

802.11b	802.11g	802.11n-HT20
11Mbps(CCK)	24Mbps(OFDM)	MCS3(OFDM)

#### Measurement Results:

##### 802.11b mode

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11b	1	2.412 GHz	Fig.A.7.1.1	P
		30 MHz ~ 1 GHz	Fig.A.7.1.2	P
		1 GHz ~ 2.5 GHz	Fig.A.7.1.3	P
		2.5 GHz ~ 7.5 GHz	Fig.A.7.1.4	P
		7.5 GHz ~ 10 GHz	Fig.A.7.1.5	P
		10 GHz ~ 15 GHz	Fig.A.7.1.6	P
		15 GHz ~ 20 GHz	Fig.A.7.1.7	P
		20 GHz ~ 26 GHz	Fig.A.7.1.8	P
	6	2.437 GHz	Fig.A.7.1.9	P
		30 MHz ~ 1 GHz	Fig.A.7.1.10	P
		1 GHz ~ 2.5 GHz	Fig.A.7.1.11	P
		2.5 GHz ~ 7.5 GHz	Fig.A.7.1.12	P
		7.5 GHz ~ 10 GHz	Fig.A.7.1.13	P
		10 GHz ~ 15 GHz	Fig.A.7.1.14	P
		15 GHz ~ 20 GHz	Fig.A.7.1.15	P
		20 GHz ~ 26 GHz	Fig.A.7.1.16	P
	11	2.462 GHz	Fig.A.7.1.17	P
		30 MHz ~ 1 GHz	Fig.A.7.1.18	P
		1 GHz ~ 2.5 GHz	Fig.A.7.1.19	P
		2.5 GHz ~ 7.5 GHz	Fig.A.7.1.20	P
		7.5 GHz ~ 10 GHz	Fig.A.7.1.21	P
		10 GHz ~ 15 GHz	Fig.A.7.1.22	P
		15 GHz ~ 20 GHz	Fig.A.7.1.23	P
		20 GHz ~ 26 GHz	Fig.A.7.1.24	P

**802.11g mode**

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11g	1	2.412 GHz	Fig.A.7.1.25	P
		30 MHz ~ 1 GHz	Fig.A.7.1.26	P
		1 GHz ~ 2.5 GHz	Fig.A.7.1.27	P
		2.5 GHz ~ 7.5 GHz	Fig.A.7.1.28	P
		7.5 GHz ~ 10 GHz	Fig.A.7.1.29	P
		10 GHz ~ 15 GHz	Fig.A.7.1.30	P
		15 GHz ~ 20 GHz	Fig.A.7.1.31	P
		20 GHz ~ 26 GHz	Fig.A.7.1.32	P
	6	2.437 GHz	Fig.A.7.1.33	P
		30 MHz ~ 1 GHz	Fig.A.7.1.34	P
		1 GHz ~ 2.5 GHz	Fig.A.7.1.35	P
		2.5 GHz ~ 7.5 GHz	Fig.A.7.1.36	P
		7.5 GHz ~ 10 GHz	Fig.A.7.1.37	P
		10 GHz ~ 15 GHz	Fig.A.7.1.38	P
		15 GHz ~ 20 GHz	Fig.A.7.1.39	P
		20 GHz ~ 26 GHz	Fig.A.7.1.40	P
	11	2.462 GHz	Fig.A.7.1.41	P
		30 MHz ~ 1 GHz	Fig.A.7.1.42	P
		1 GHz ~ 2.5 GHz	Fig.A.7.1.43	P
		2.5 GHz ~ 7.5 GHz	Fig.A.7.1.44	P
		7.5 GHz ~ 10 GHz	Fig.A.7.1.45	P
		10 GHz ~ 15 GHz	Fig.A.7.1.46	P
		15 GHz ~ 20 GHz	Fig.A.7.1.47	P
		20 GHz ~ 26 GHz	Fig.A.7.1.48	P

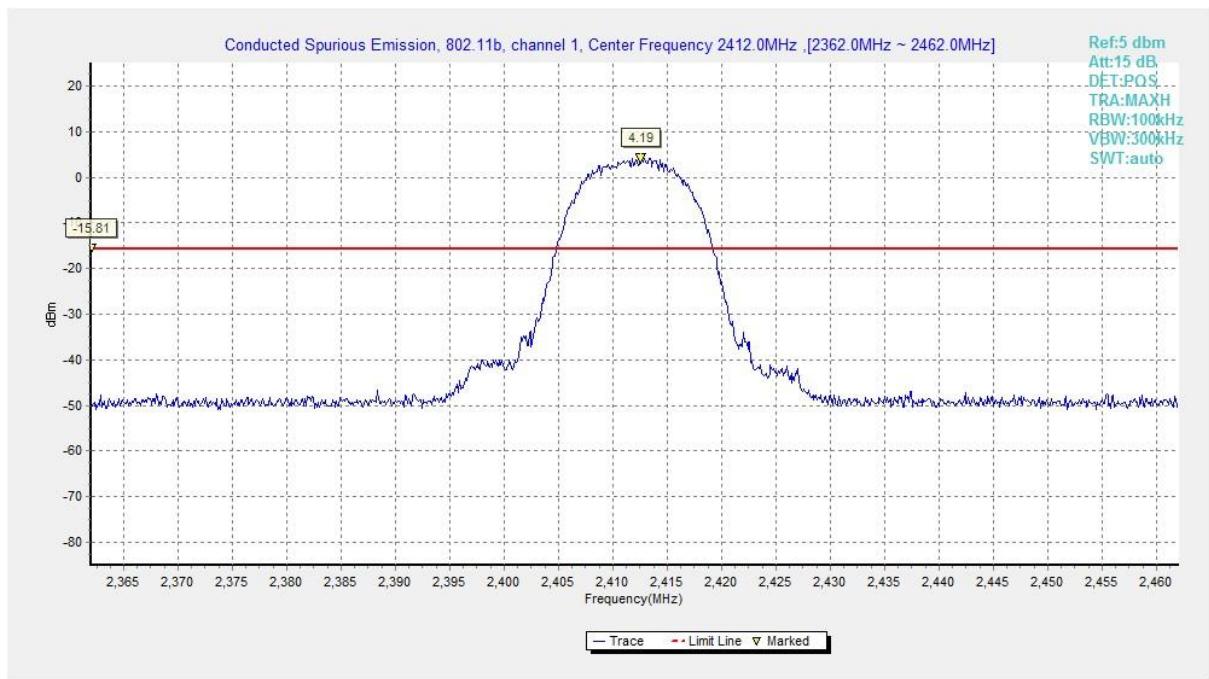
**802.11n-HT20 mode**

MODE	Channel	Frequency Range	Test Results	Conclusion
802.11n (HT20)	1	2.412 GHz	Fig.A.7.1.49	P
		30 MHz ~ 1 GHz	Fig.A.7.1.50	P
		1 GHz ~ 2.5 GHz	Fig.A.7.1.51	P
		2.5 GHz ~ 7.5 GHz	Fig.A.7.1.52	P
		7.5 GHz ~ 10 GHz	Fig.A.7.1.53	P
		10 GHz ~ 15 GHz	Fig.A.7.1.54	P
		15 GHz ~ 20 GHz	Fig.A.7.1.55	P
		20 GHz ~ 26 GHz	Fig.A.7.1.56	P
	6	2.437 GHz	Fig.A.7.1.57	P
		30 MHz ~ 1 GHz	Fig.A.7.1.58	P
		1 GHz ~ 2.5 GHz	Fig.A.7.1.59	P
		2.5 GHz ~ 7.5 GHz	Fig.A.7.1.60	P
		7.5 GHz ~ 10 GHz	Fig.A.7.1.61	P
		10 GHz ~ 15 GHz	Fig.A.7.1.62	P
		15 GHz ~ 20 GHz	Fig.A.7.1.63	P
		20 GHz ~ 26 GHz	Fig.A.7.1.64	P
	11	2.462 GHz	Fig.A.7.1.65	P
		30 MHz ~ 1 GHz	Fig.A.7.1.66	P
		1 GHz ~ 2.5 GHz	Fig.A.7.1.67	P
		2.5 GHz ~ 7.5 GHz	Fig.A.7.1.68	P
		7.5 GHz ~ 10 GHz	Fig.A.7.1.69	P
		10 GHz ~ 15 GHz	Fig.A.7.1.70	P
		15 GHz ~ 20 GHz	Fig.A.7.1.71	P
		20 GHz ~ 26 GHz	Fig.A.7.1.72	P

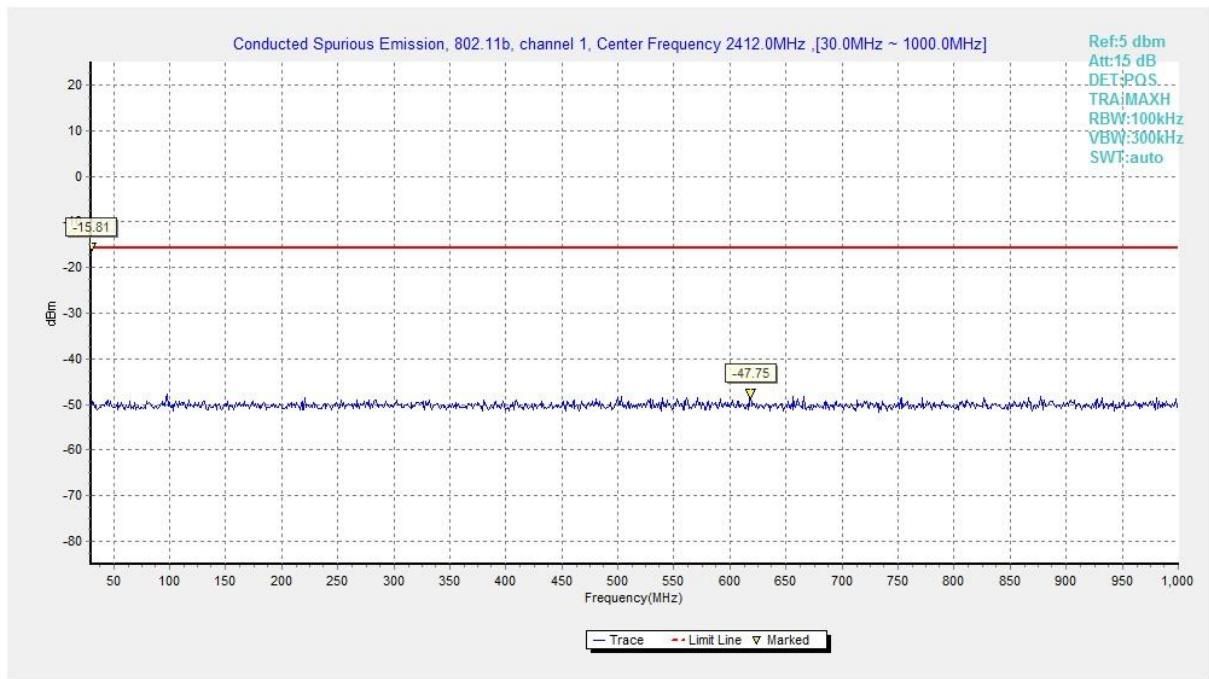
**Conclusion: Pass**
**Measurement Uncertainty:**

Frequency Range	Uncertainty(dB)
30MHz ≤ f ≤ 2GHz	0.63
2GHz ≤ f ≤ 3.6GHz	0.82
3.6GHz ≤ f ≤ 8GHz	1.55
8GHz ≤ f ≤ 20GHz	1.86
20GHz ≤ f ≤ 22GHz	1.90
22GHz ≤ f ≤ 26GHz	2.20

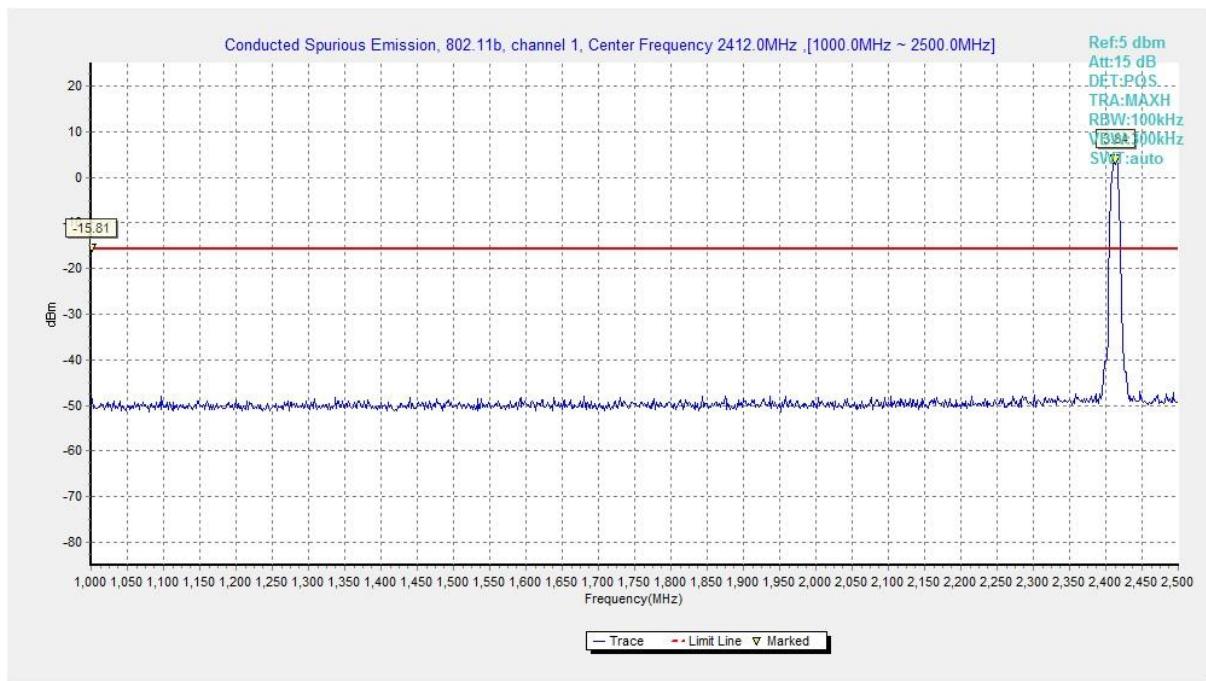
**Test graphs as below:**



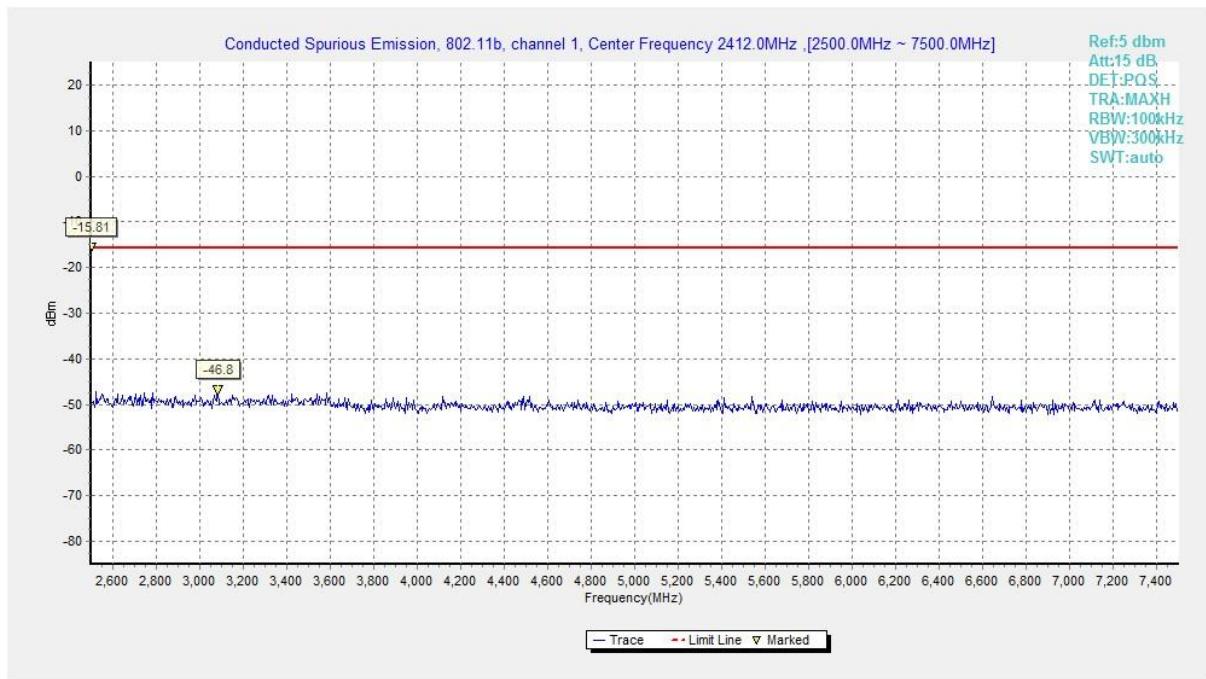
**Fig.A.7.1.1 Conducted Spurious Emission (802.11b, Ch1, Center Frequency)**



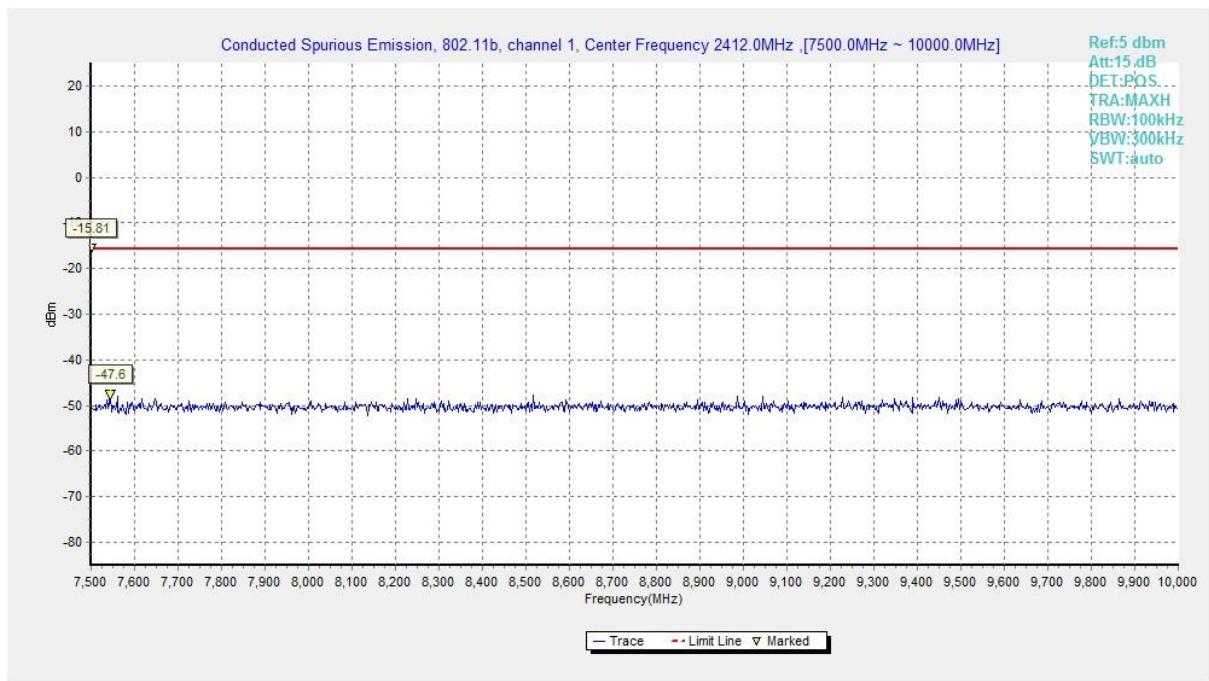
**Fig.A.7.1.2 Conducted Spurious Emission (802.11b, Ch1, 30 MHz-1 GHz)**



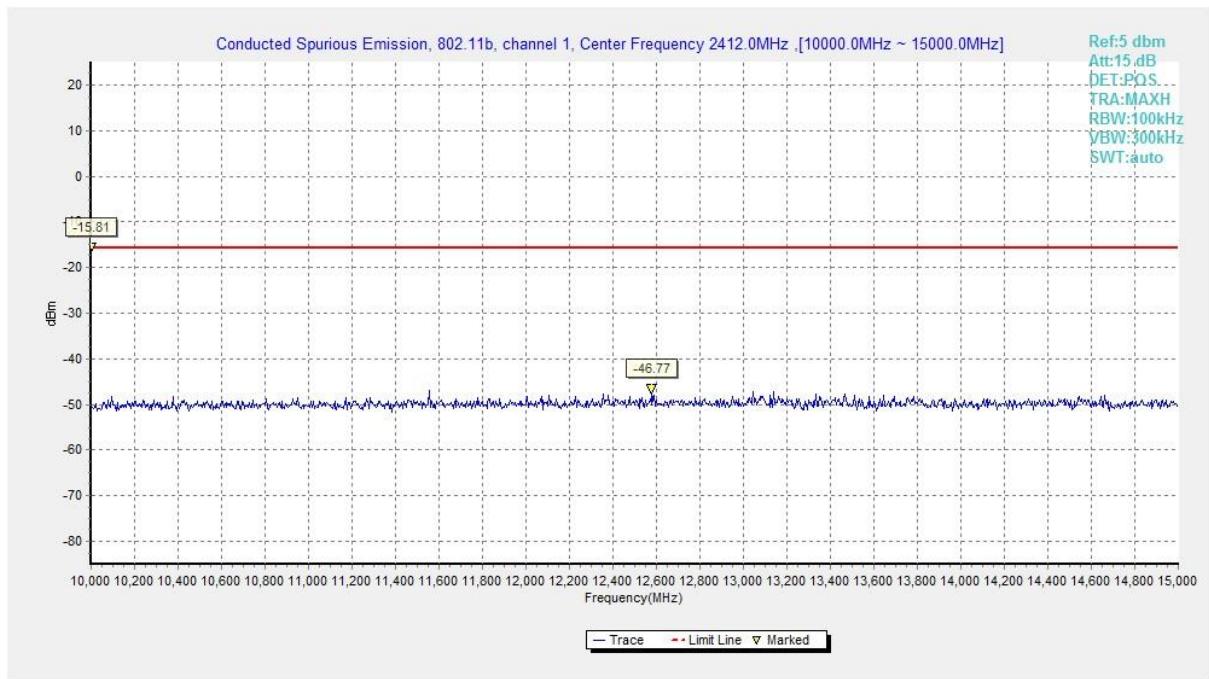
**Fig.A.7.1.3 Conducted Spurious Emission (802.11b, Ch1, 1 GHz-2.5 GHz)**



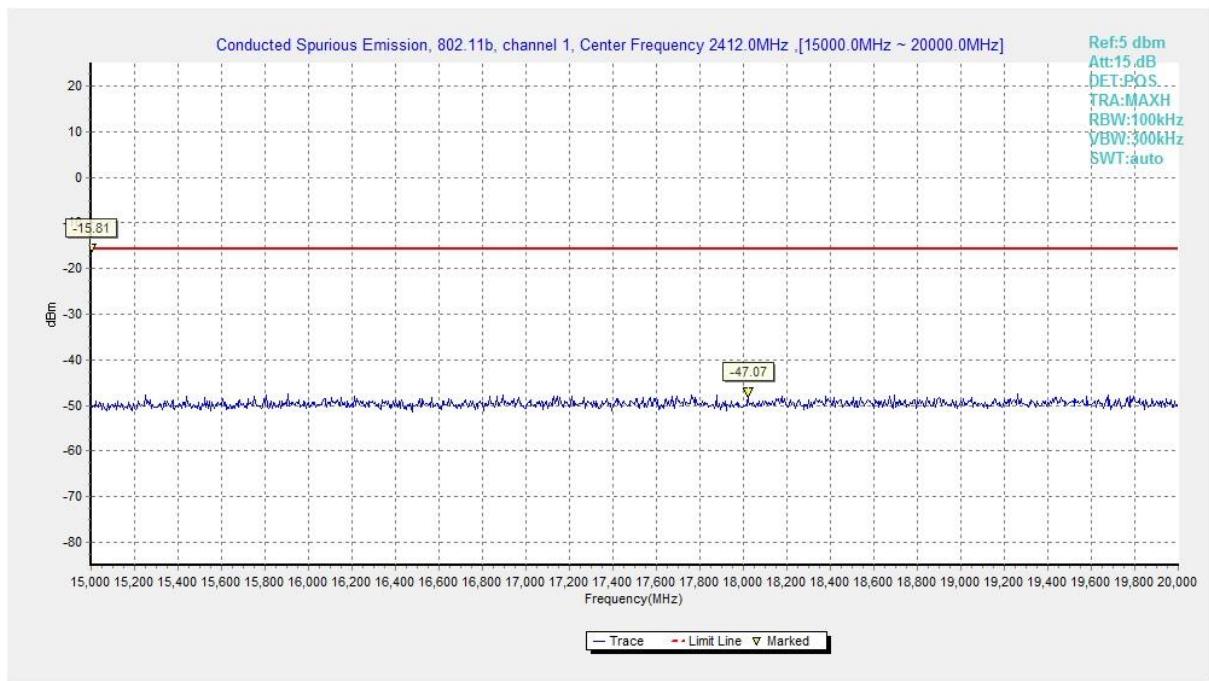
**Fig.A.7.1.4 Conducted Spurious Emission (802.11b, Ch1, 2.5 GHz-7.5 GHz)**



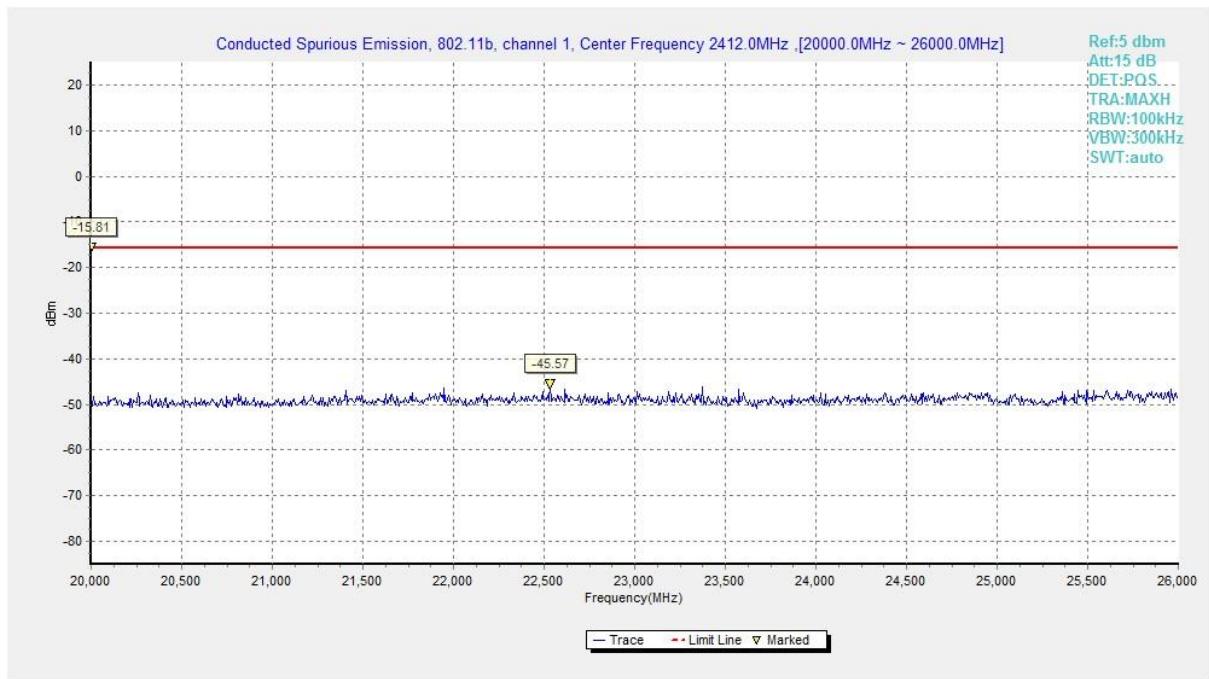
**Fig.A.7.1.5 Conducted Spurious Emission (802.11b, Ch1, 7.5 GHz-10 GHz)**



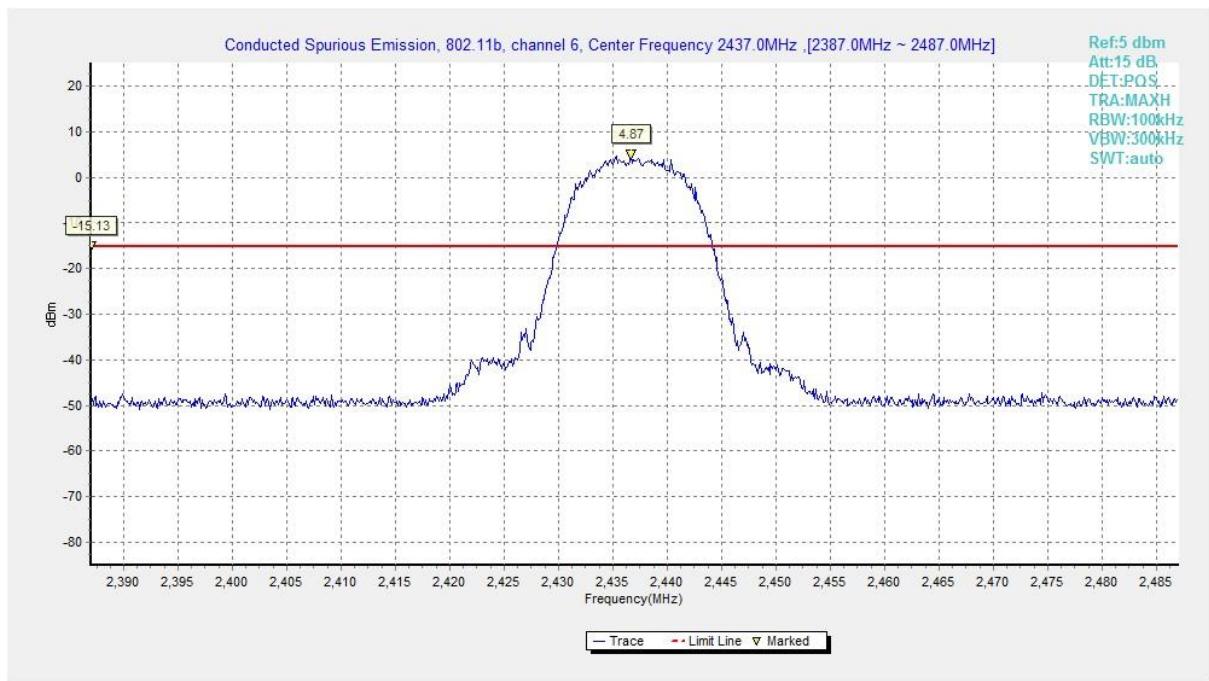
**Fig.A.7.1.6 Conducted Spurious Emission (802.11b, Ch1, 10 GHz-15 GHz)**



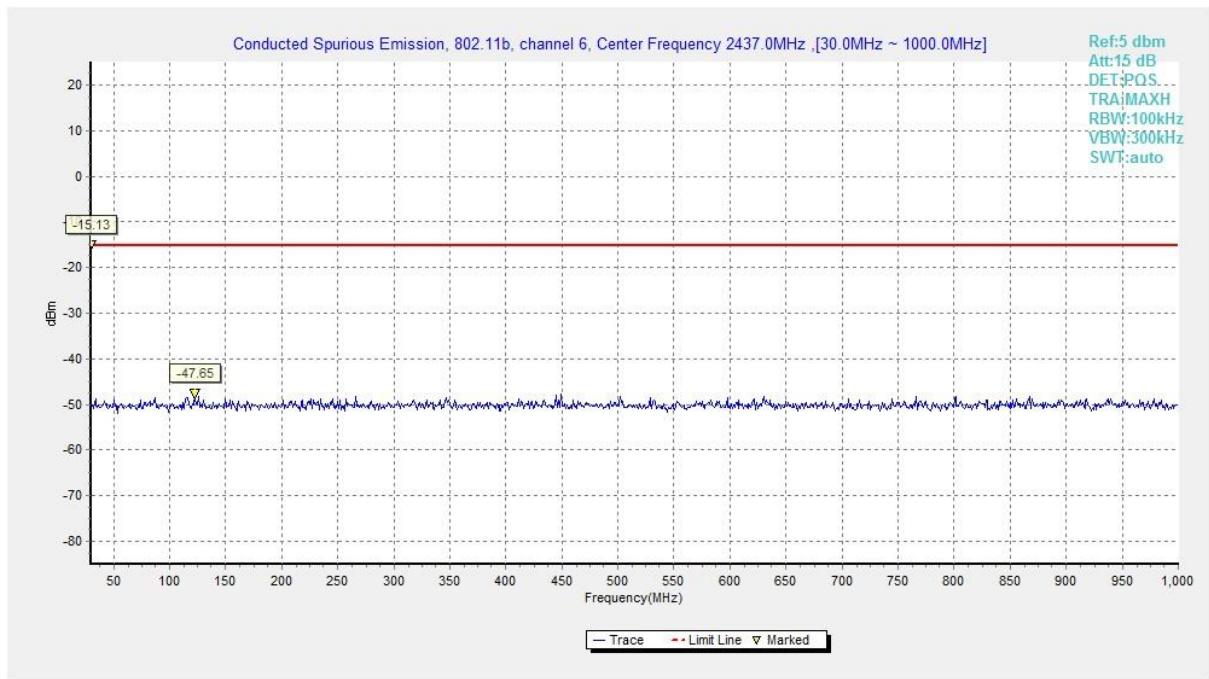
**Fig.A.7.1.7 Conducted Spurious Emission (802.11b, Ch1, 15 GHz-20 GHz)**



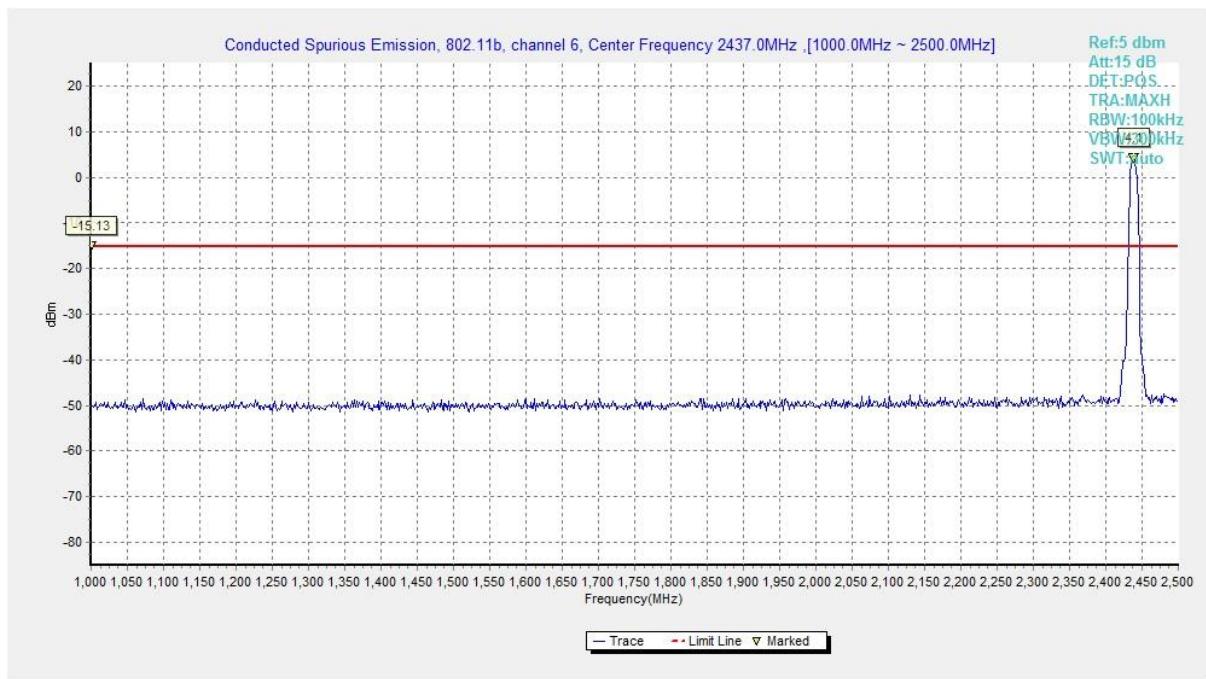
**Fig.A.7.1.8 Conducted Spurious Emission (802.11b, Ch1, 20 GHz-26 GHz)**



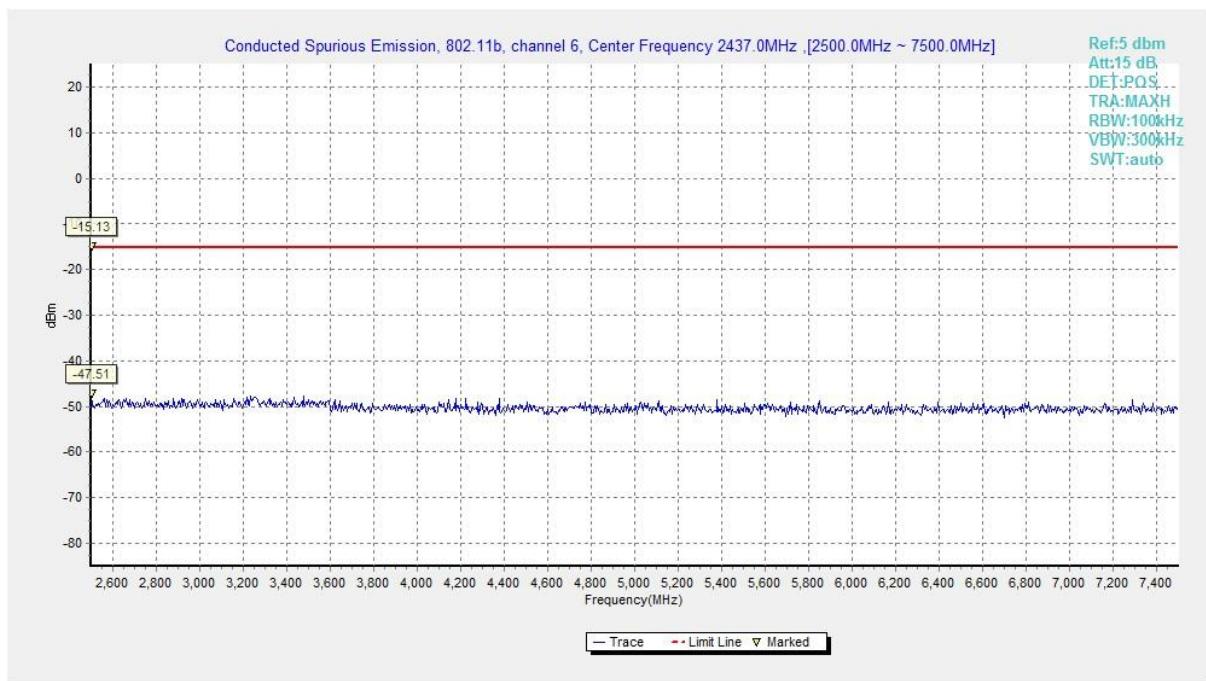
**Fig.A.7.1.9 Conducted Spurious Emission (802.11b, Ch6, Center Frequency)**



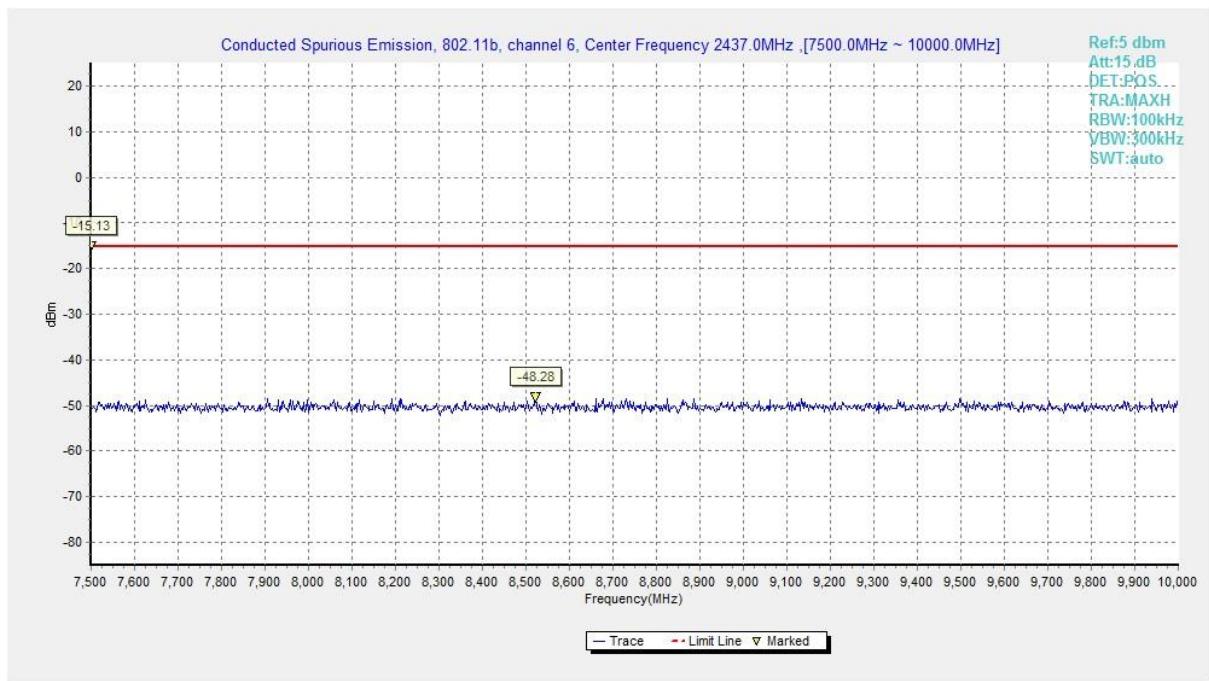
**Fig.A.7.1.10 Conducted Spurious Emission (802.11b, Ch6, 30 MHz-1 GHz)**



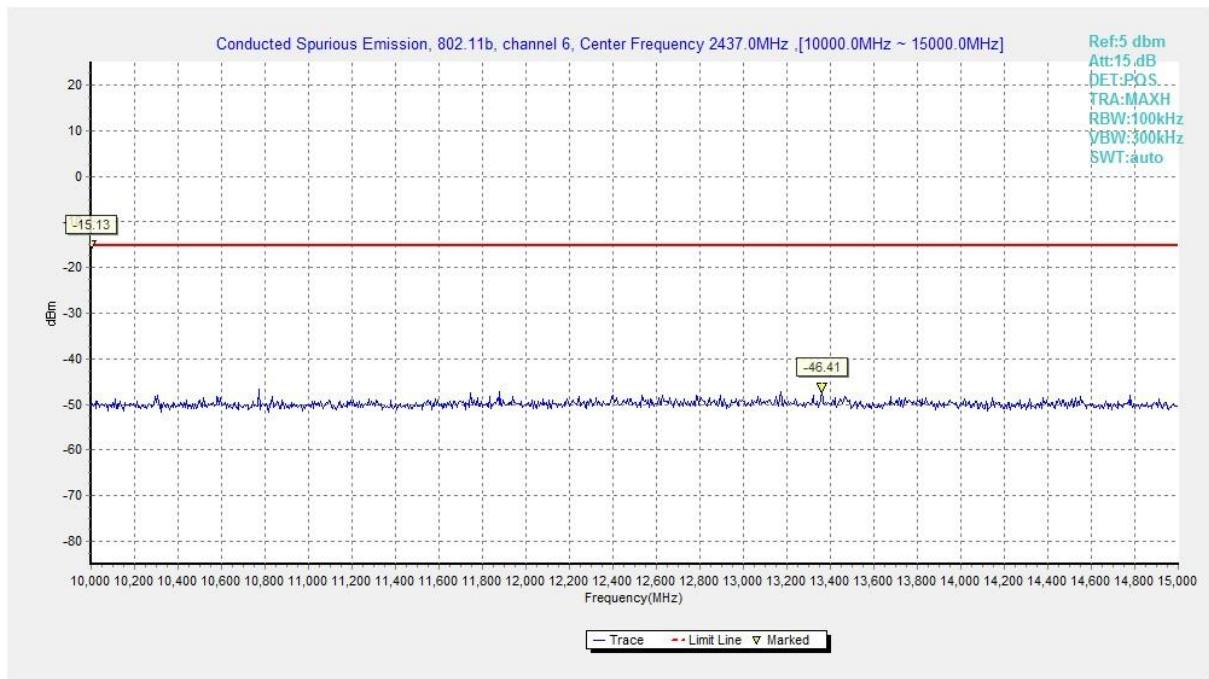
**Fig.A.7.1.11 Conducted Spurious Emission (802.11b, Ch6, 1 GHz-2.5 GHz)**



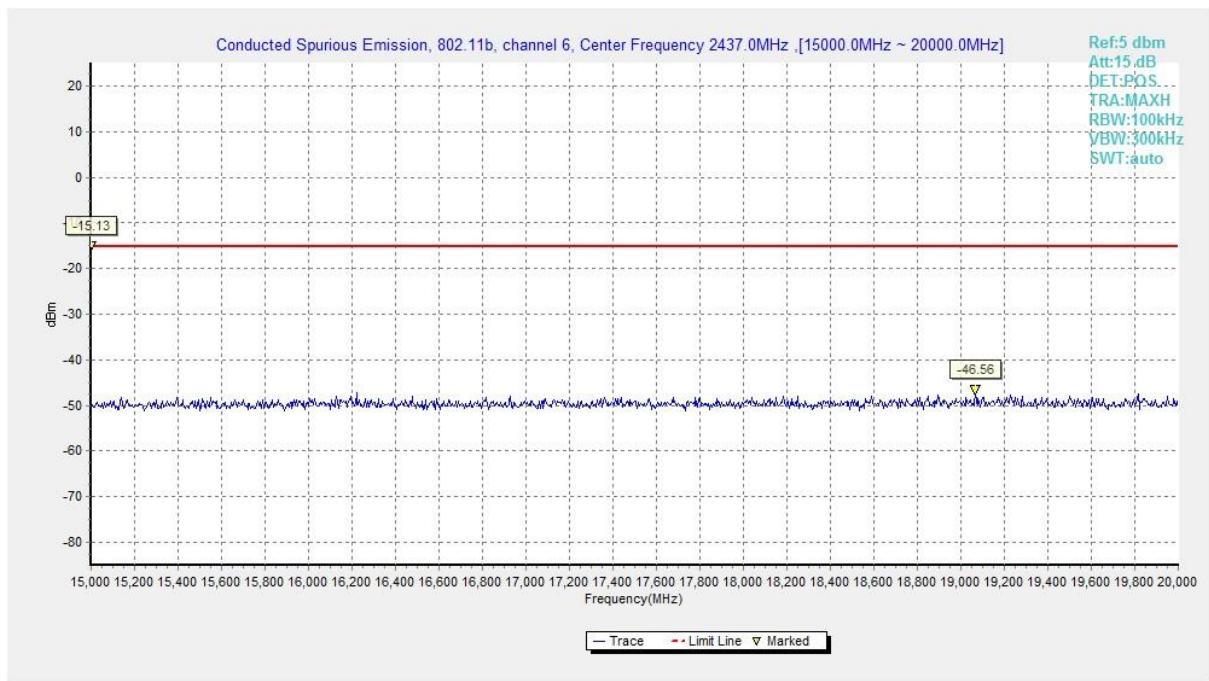
**Fig.A.7.1.12 Conducted Spurious Emission (802.11b, Ch6, 2.5 GHz-7.5 GHz)**



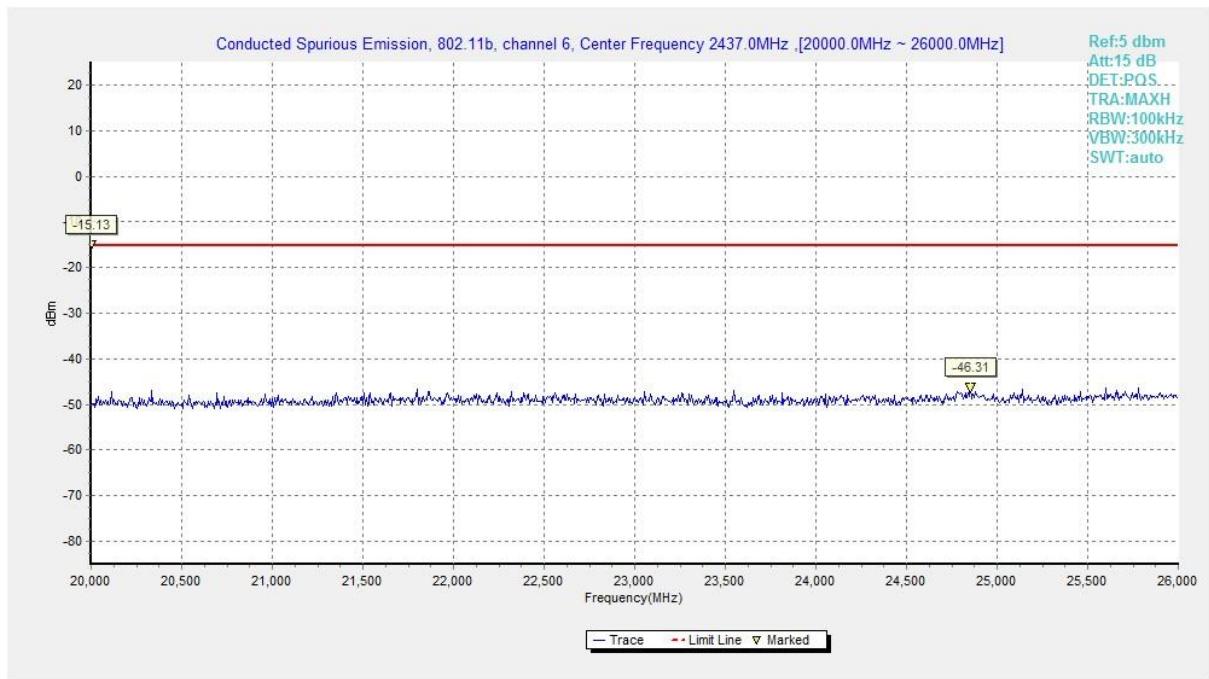
**Fig.A.7.1.13 Conducted Spurious Emission (802.11b, Ch6, 7.5 GHz-10 GHz)**



**Fig.A.7.1.14 Conducted Spurious Emission (802.11b, Ch6, 10 GHz-15 GHz)**



**Fig.A.7.1.15 Conducted Spurious Emission (802.11b, Ch6, 15 GHz-20 GHz)**



**Fig.A.7.1.16 Conducted Spurious Emission (802.11b, Ch6, 20 GHz-26 GHz)**

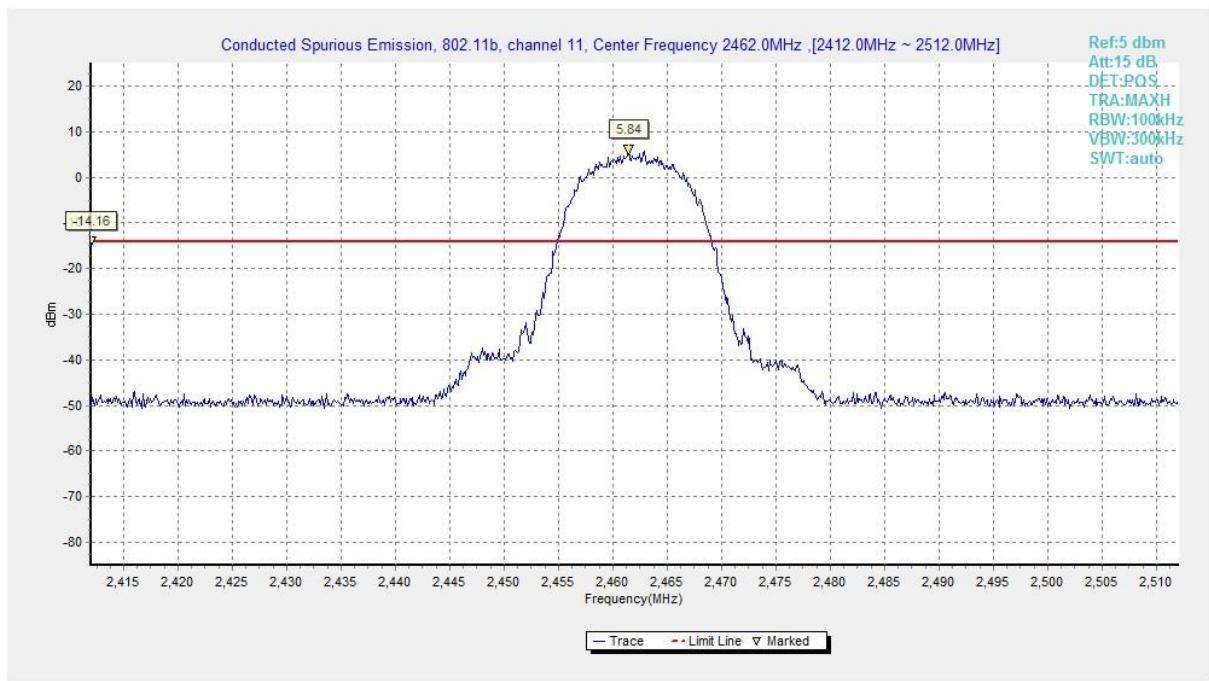


Fig.A.7.1.17 Conducted Spurious Emission (802.11b, Ch11, Center Frequency)

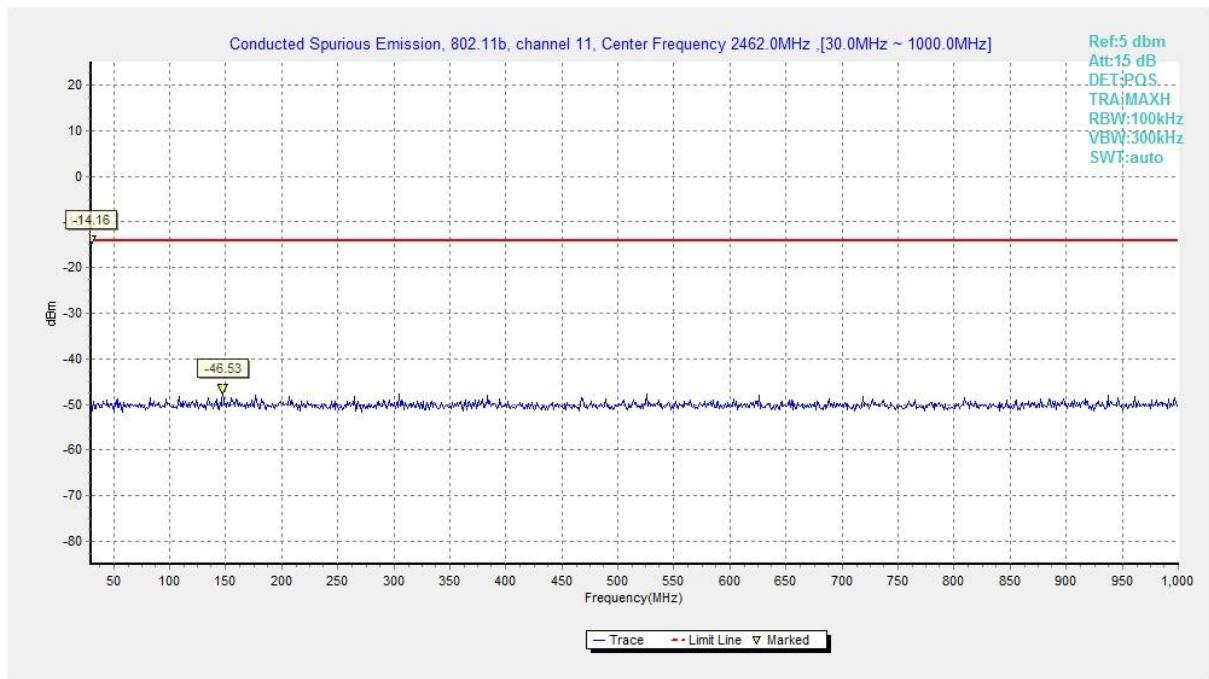
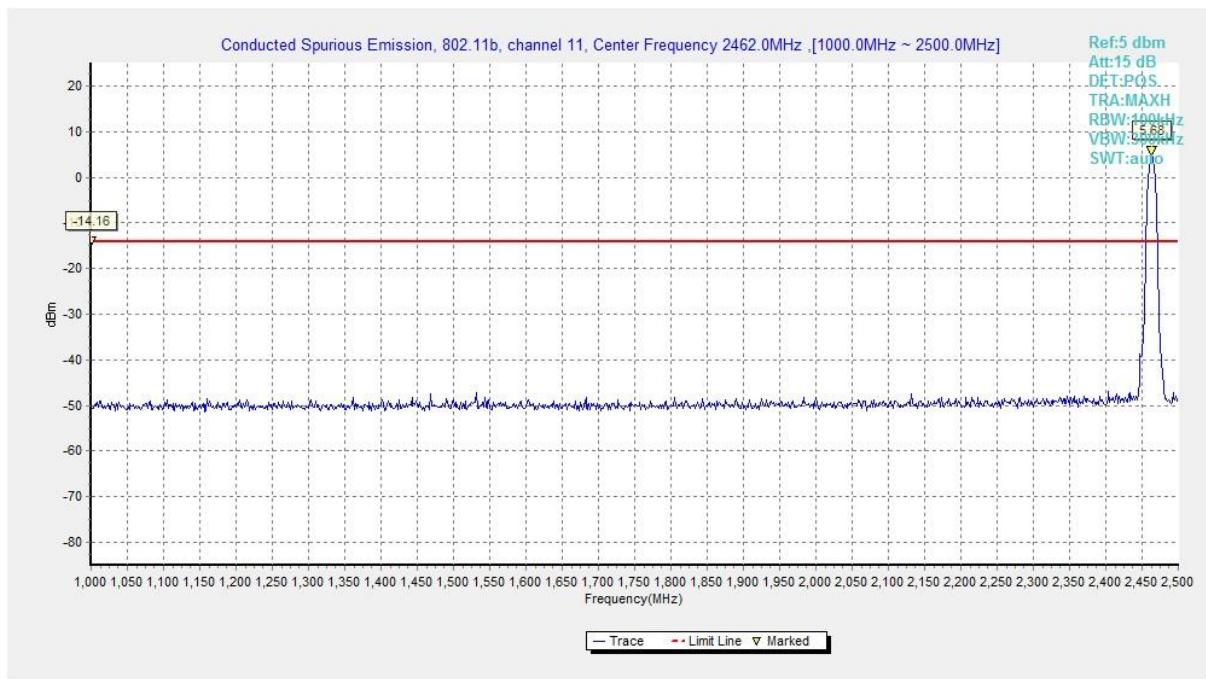
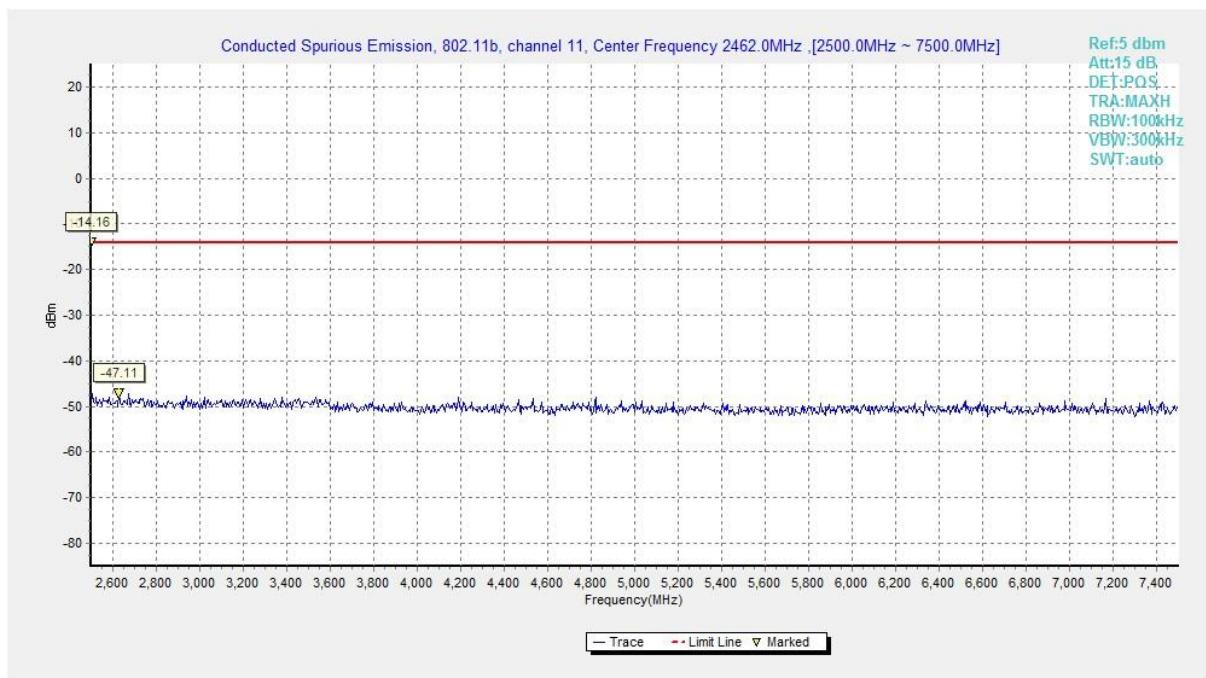


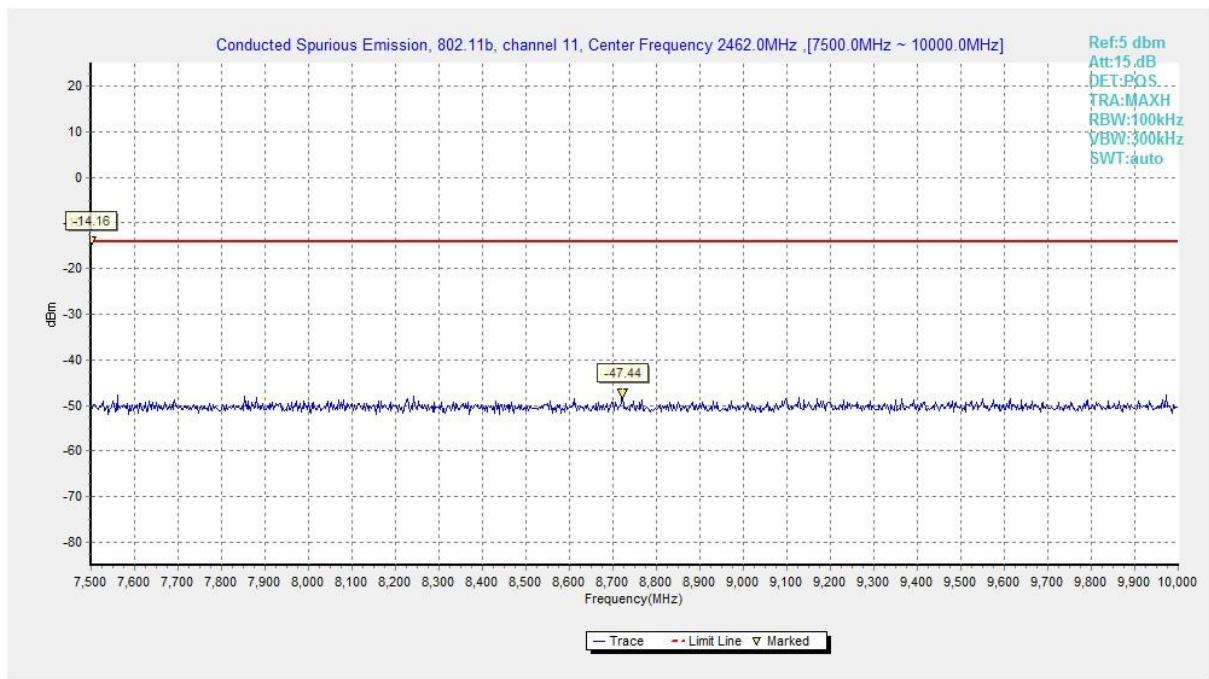
Fig.A.7.1.18 Conducted Spurious Emission (802.11b, Ch11, 30 MHz-1 GHz)



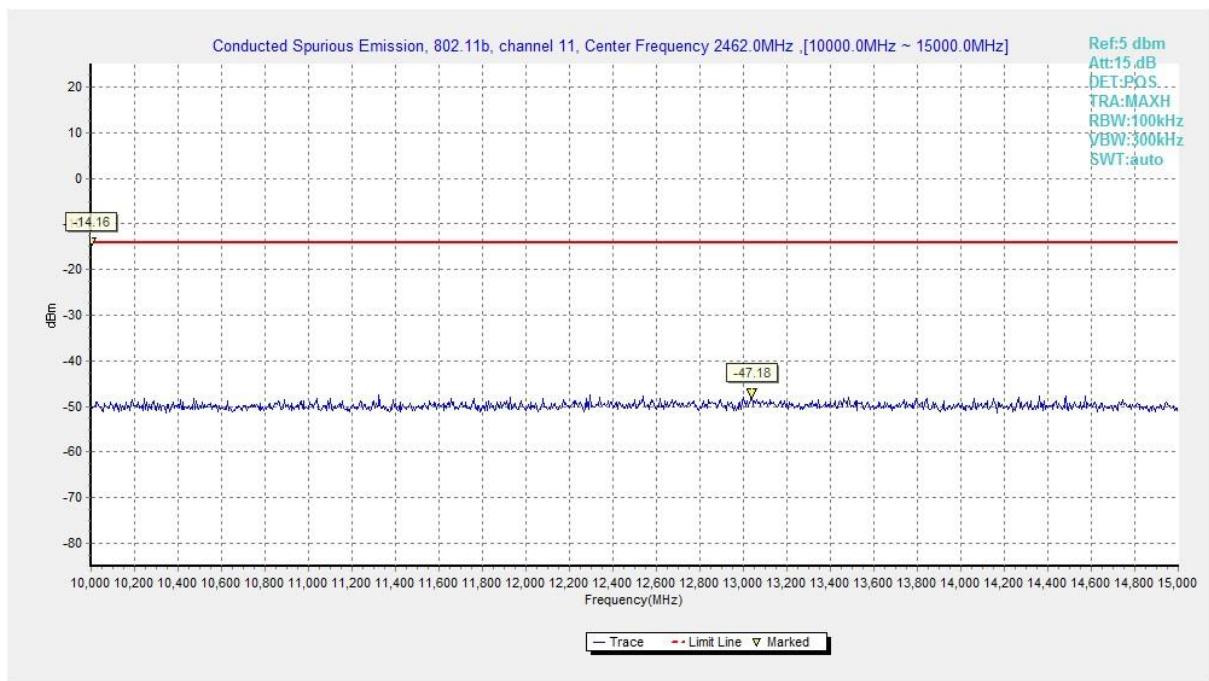
**Fig.A.7.1.19 Conducted Spurious Emission (802.11b, Ch11, 1 GHz-2.5 GHz)**



**Fig.A.7.1.20 Conducted Spurious Emission (802.11b, Ch11, 2.5 GHz-7.5 GHz)**



**Fig.A.7.1.21 Conducted Spurious Emission (802.11b, Ch11, 7.5 GHz-10 GHz)**



**Fig.A.7.1.22 Conducted Spurious Emission (802.11b, Ch11, 10 GHz-15 GHz)**

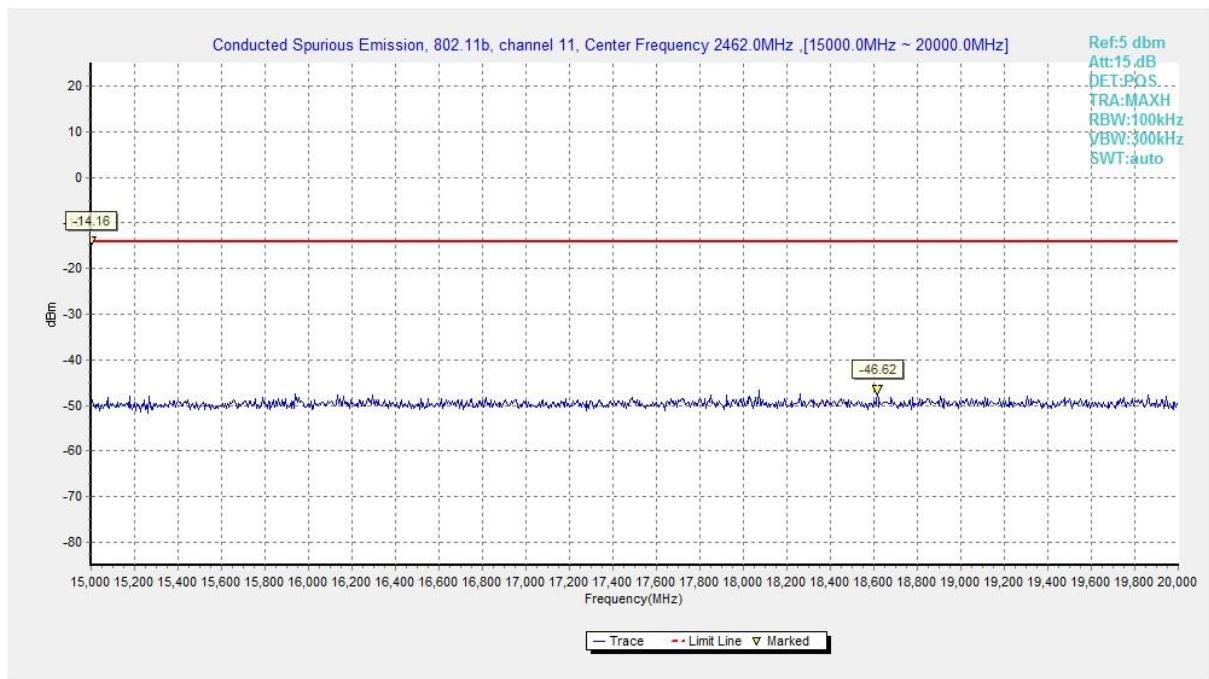


Fig.A.7.1.23 Conducted Spurious Emission (802.11b, Ch11, 15 GHz-20 GHz)

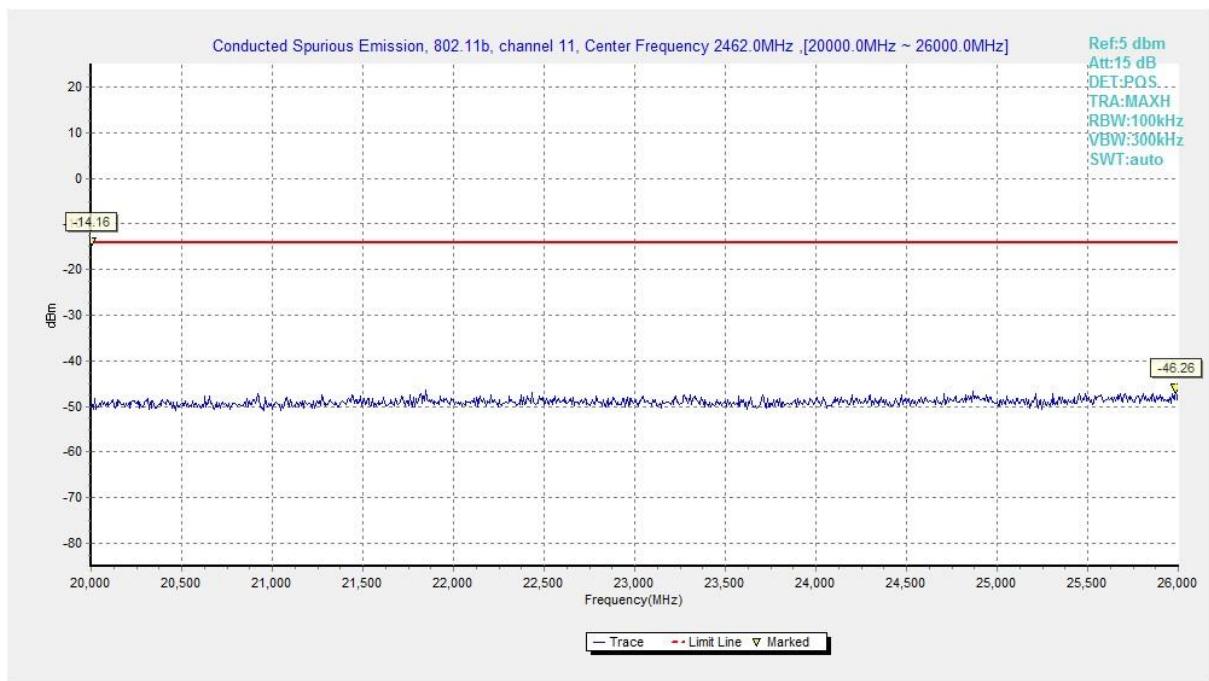


Fig.A.7.1.24 Conducted Spurious Emission (802.11b, Ch11, 20 GHz-26 GHz)

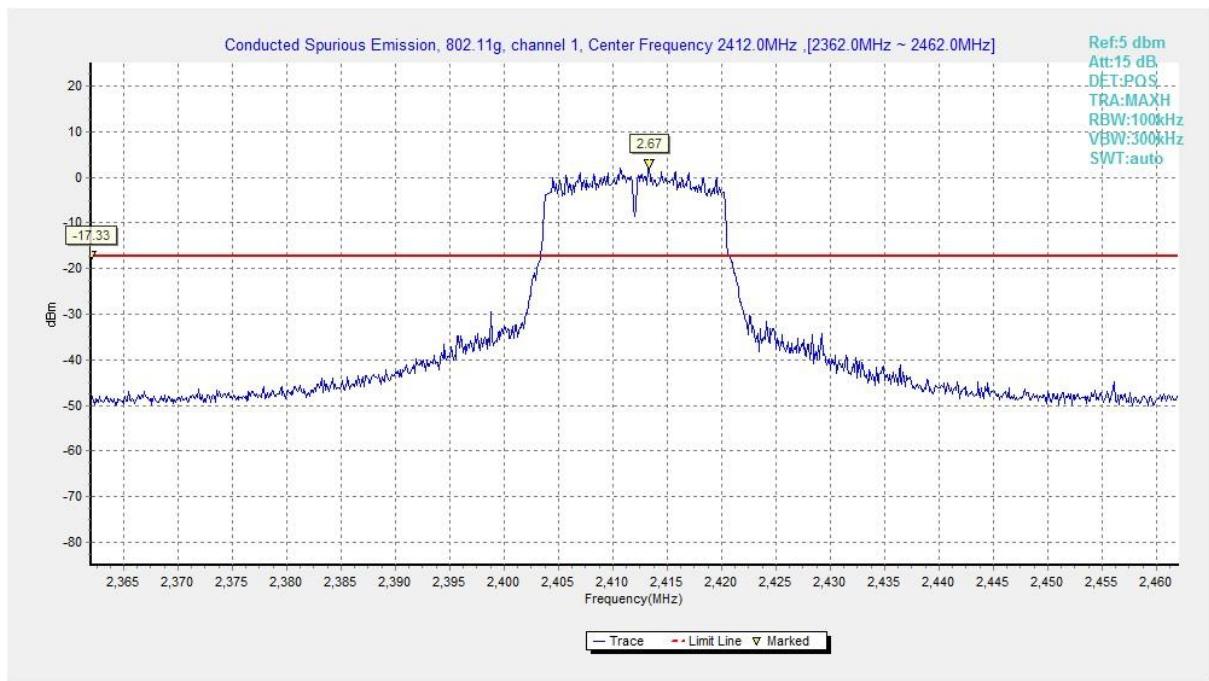


Fig.A.7.1.25 Conducted Spurious Emission (802.11g, Ch1, Center Frequency)

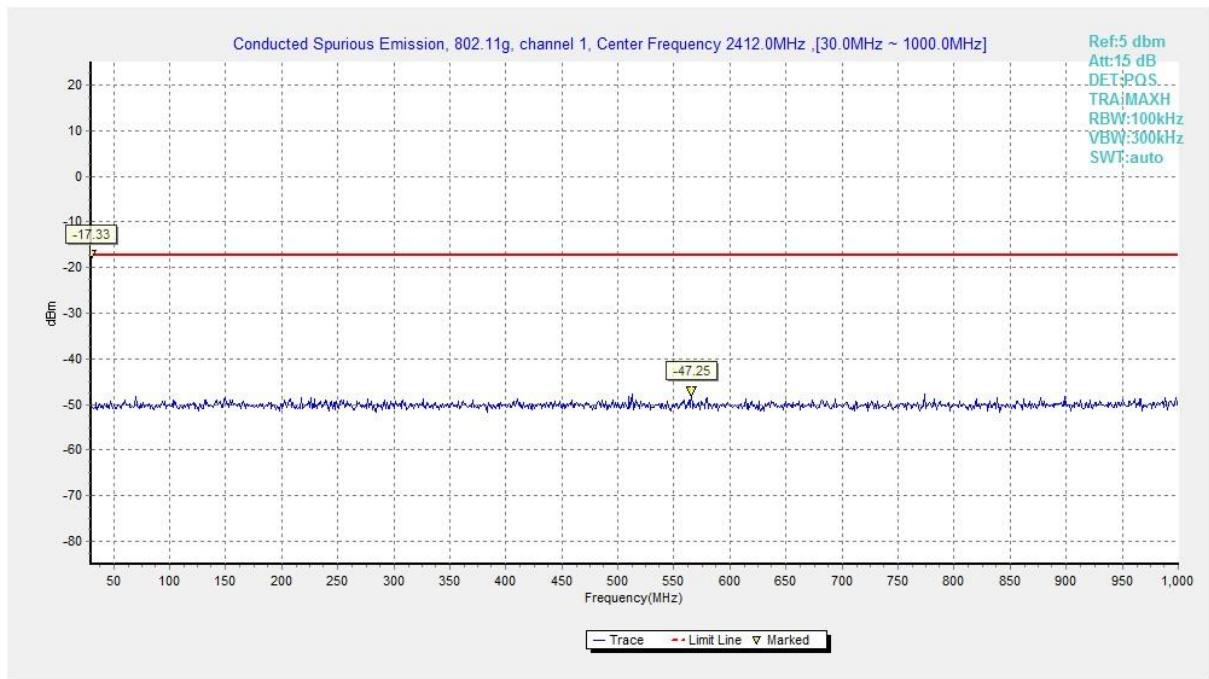
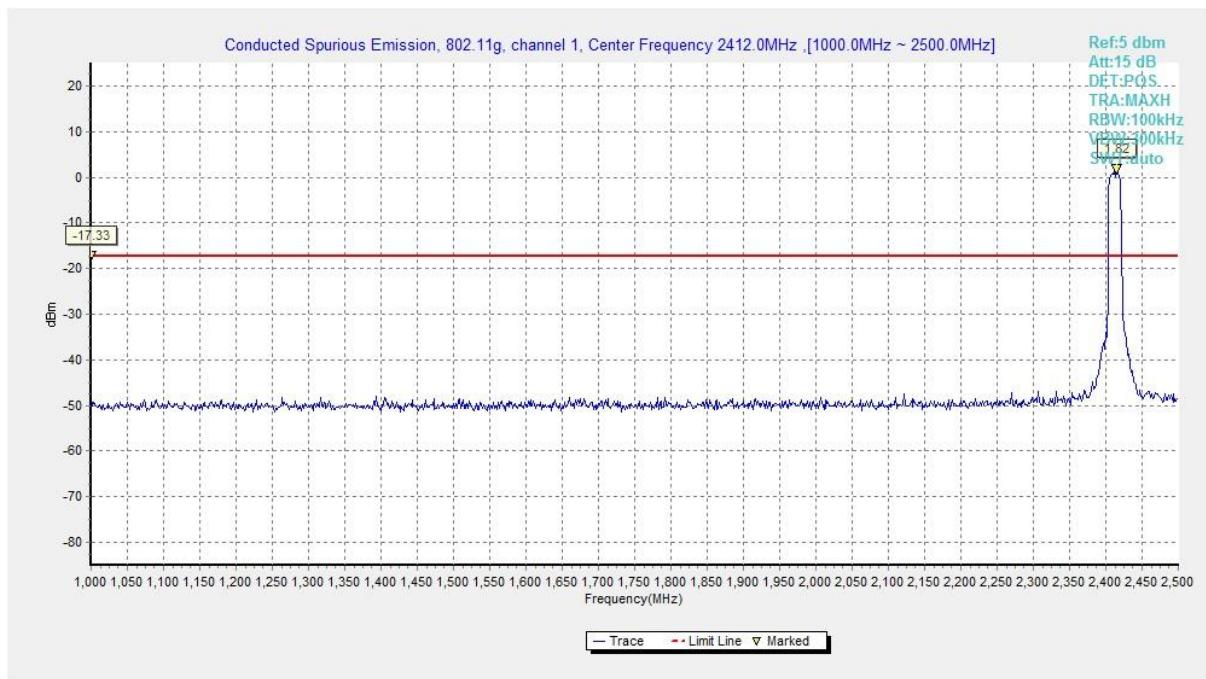
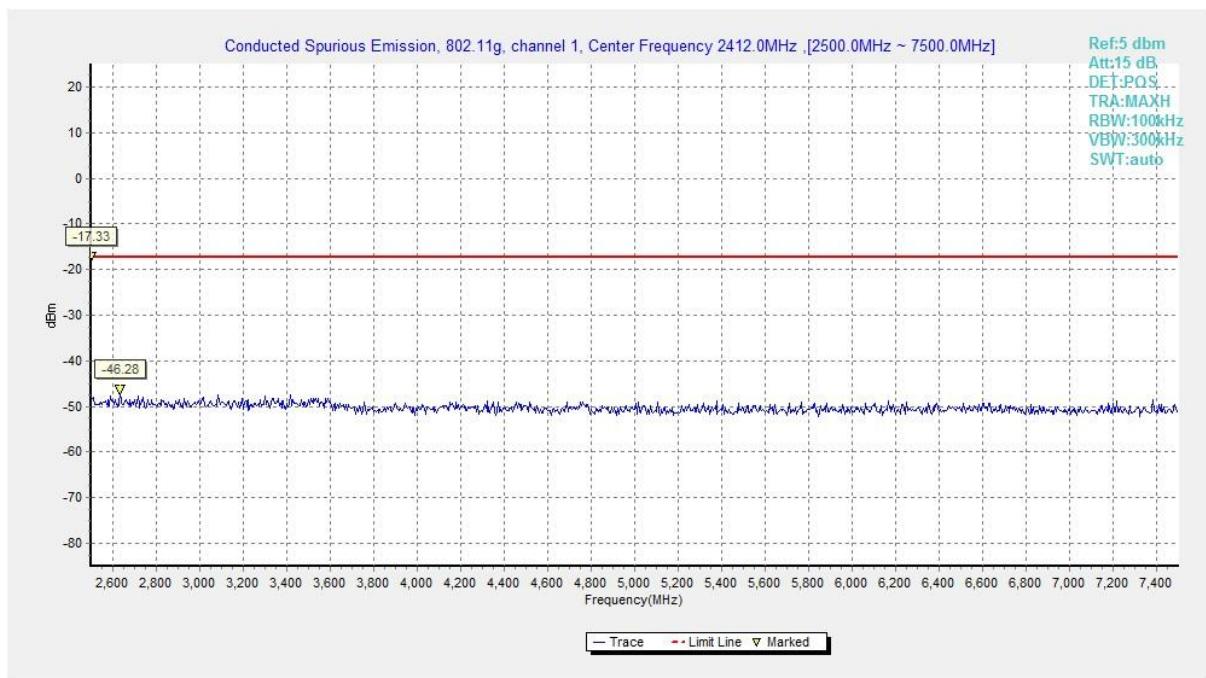


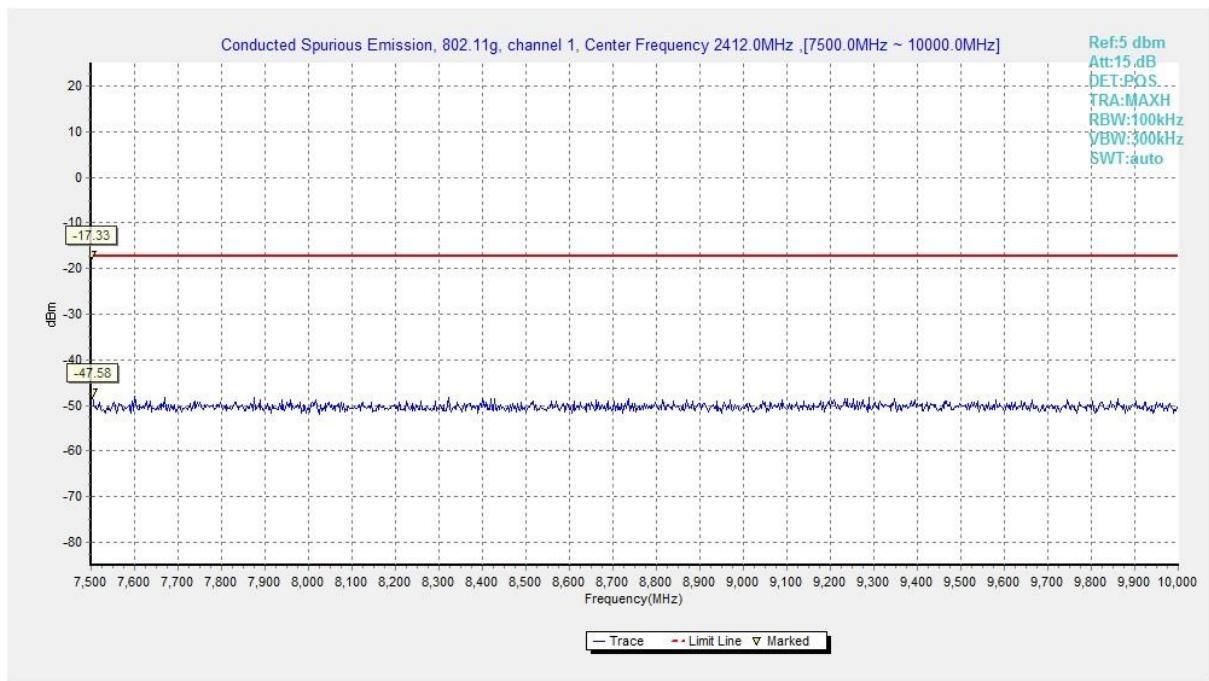
Fig.A.7.1.26 Conducted Spurious Emission (802.11g, Ch1, 30 MHz-1 GHz)



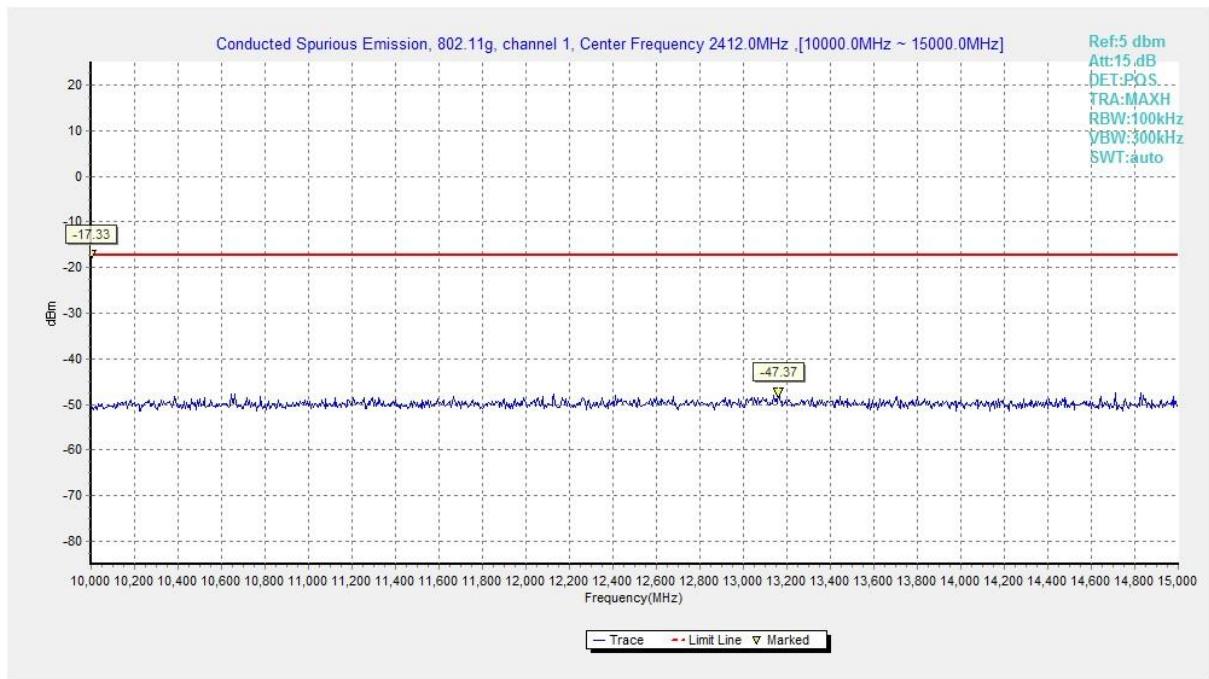
**Fig.A.7.1.27 Conducted Spurious Emission (802.11g, Ch1, 1 GHz-2.5 GHz)**



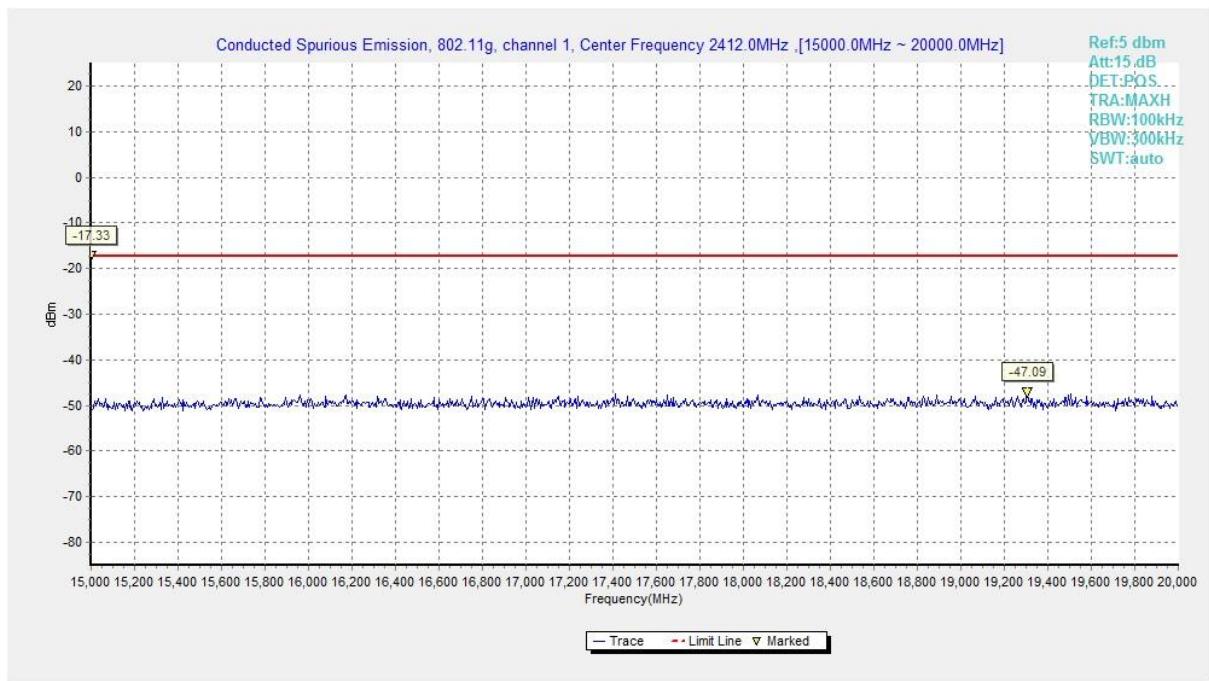
**Fig.A.7.1.28 Conducted Spurious Emission (802.11g, Ch1, 2.5 GHz-7.5 GHz)**



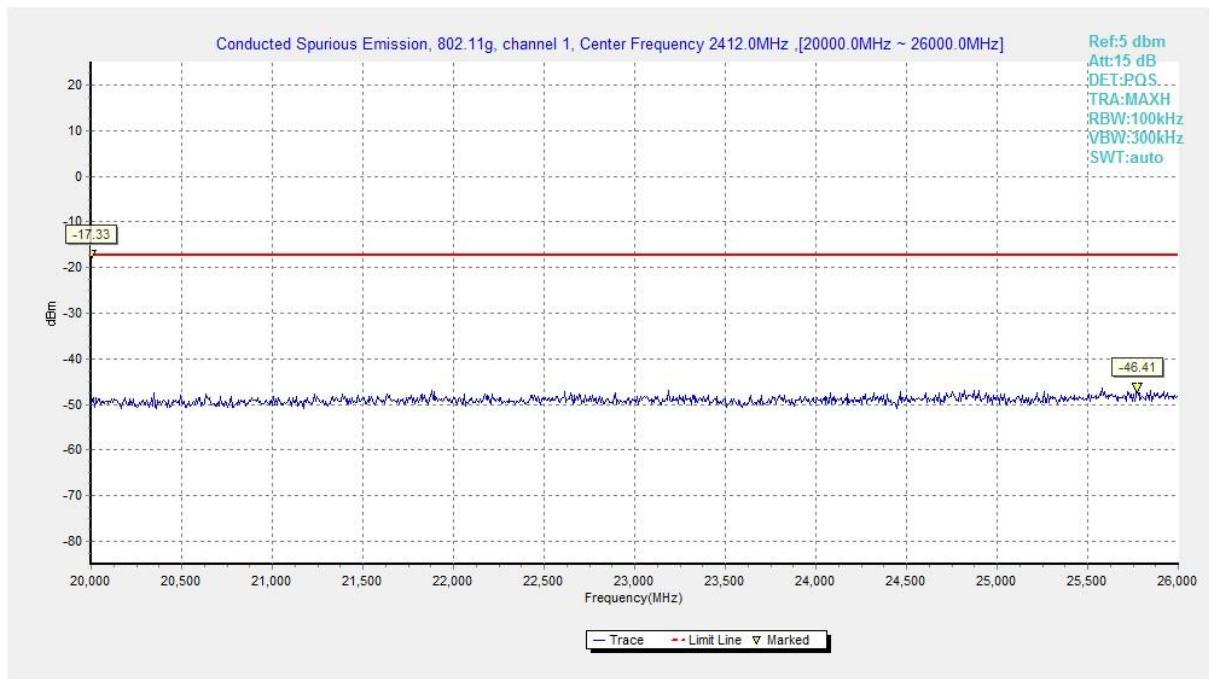
**Fig.A.7.1.29 Conducted Spurious Emission (802.11g, Ch1, 7.5 GHz-10 GHz)**



**Fig.A.7.1.30 Conducted Spurious Emission (802.11g, Ch1, 10 GHz-15 GHz)**



**Fig.A.7.1.31 Conducted Spurious Emission (802.11g, Ch1, 15 GHz-20 GHz)**



**Fig.A.7.1.32 Conducted Spurious Emission (802.11g, Ch1, 20 GHz-26 GHz)**

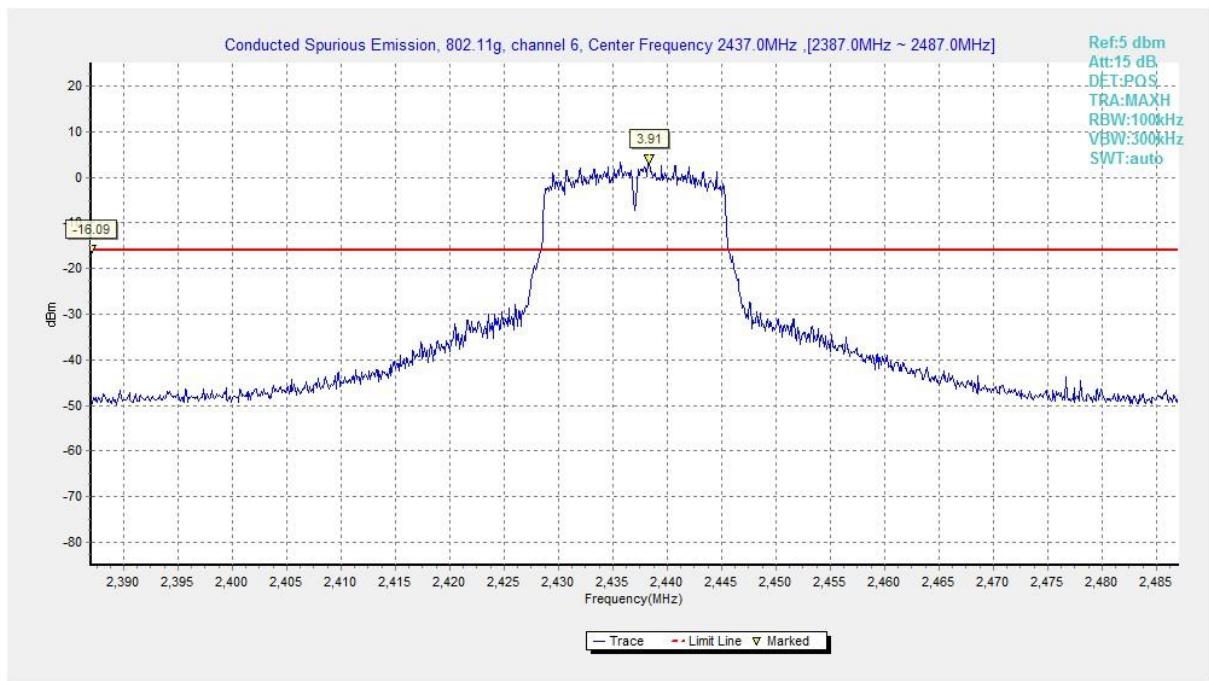


Fig.A.7.1.33 Conducted Spurious Emission (802.11g, Ch6, Center Frequency)

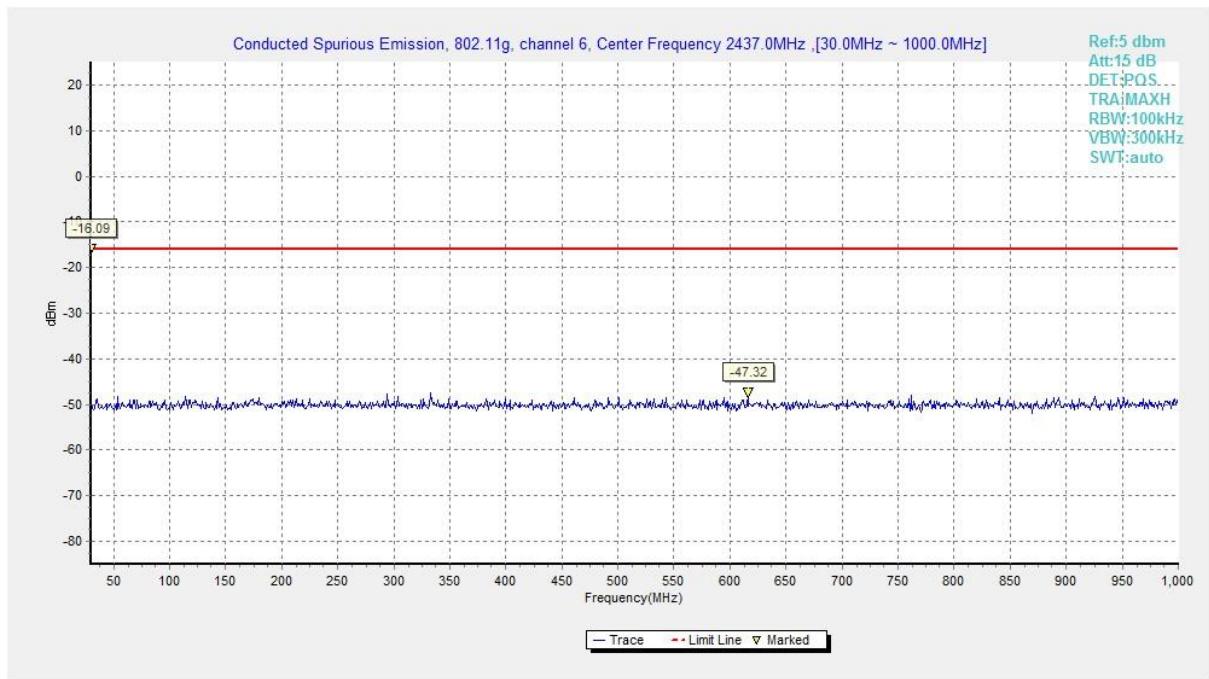
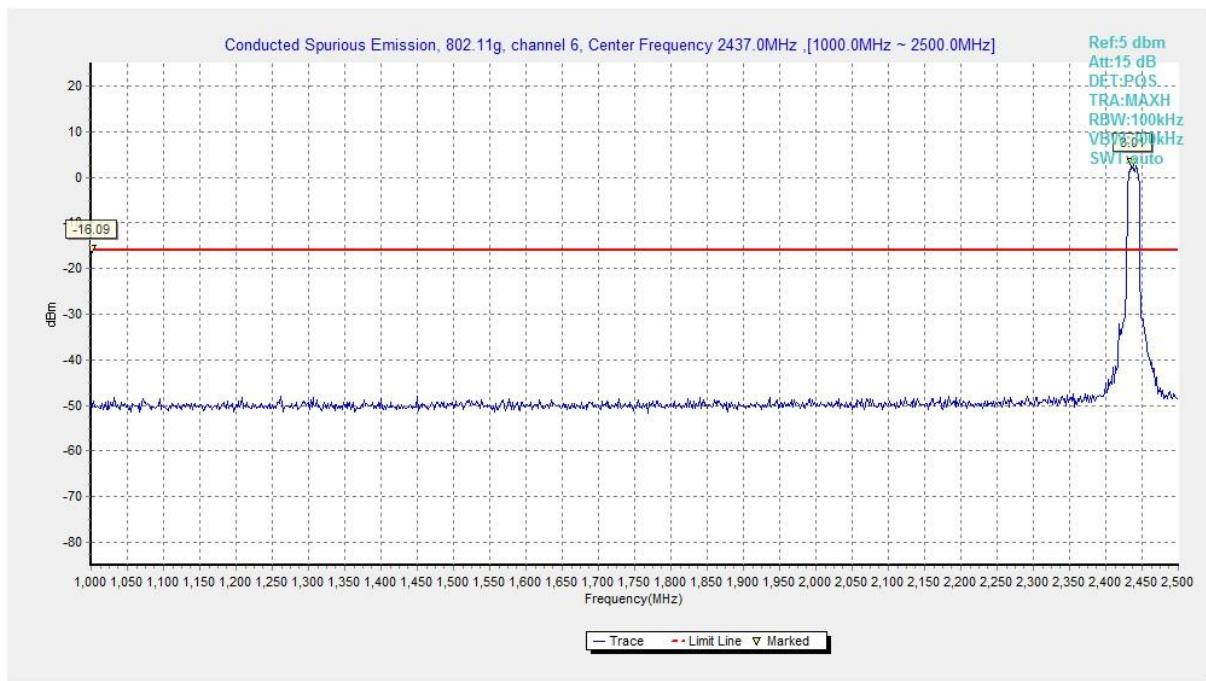
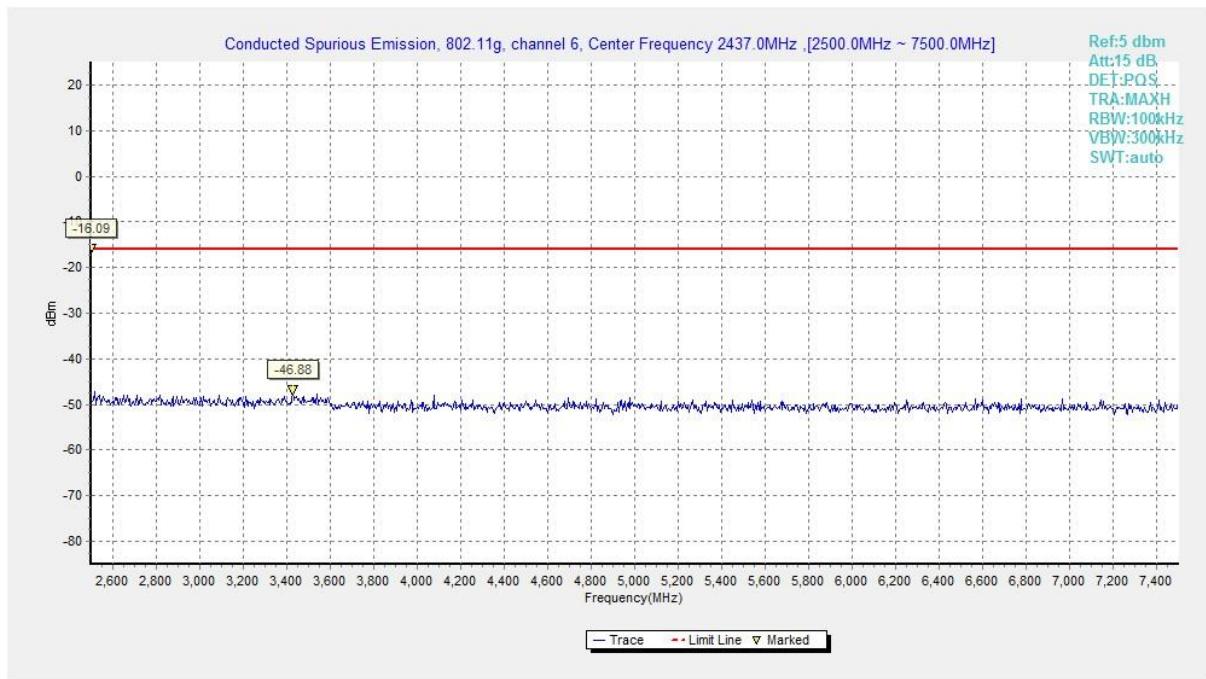


Fig.A.7.1.34 Conducted Spurious Emission (802.11g, Ch6, 30 MHz-1 GHz)



**Fig.A.7.1.35 Conducted Spurious Emission (802.11g, Ch6, 1 GHz-2.5 GHz)**



**Fig.A.7.1.36 Conducted Spurious Emission (802.11g, Ch6, 2.5 GHz-7.5 GHz)**

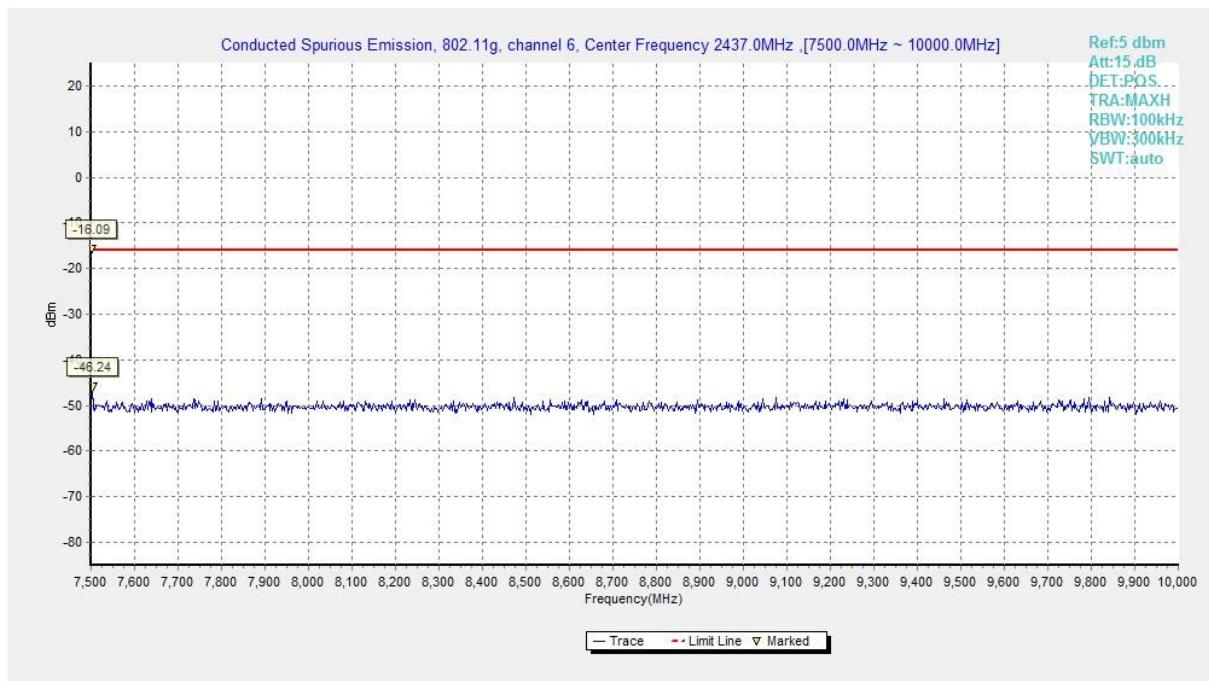


Fig.A.7.1.37 Conducted Spurious Emission (802.11g, Ch6, 7.5 GHz-10 GHz)

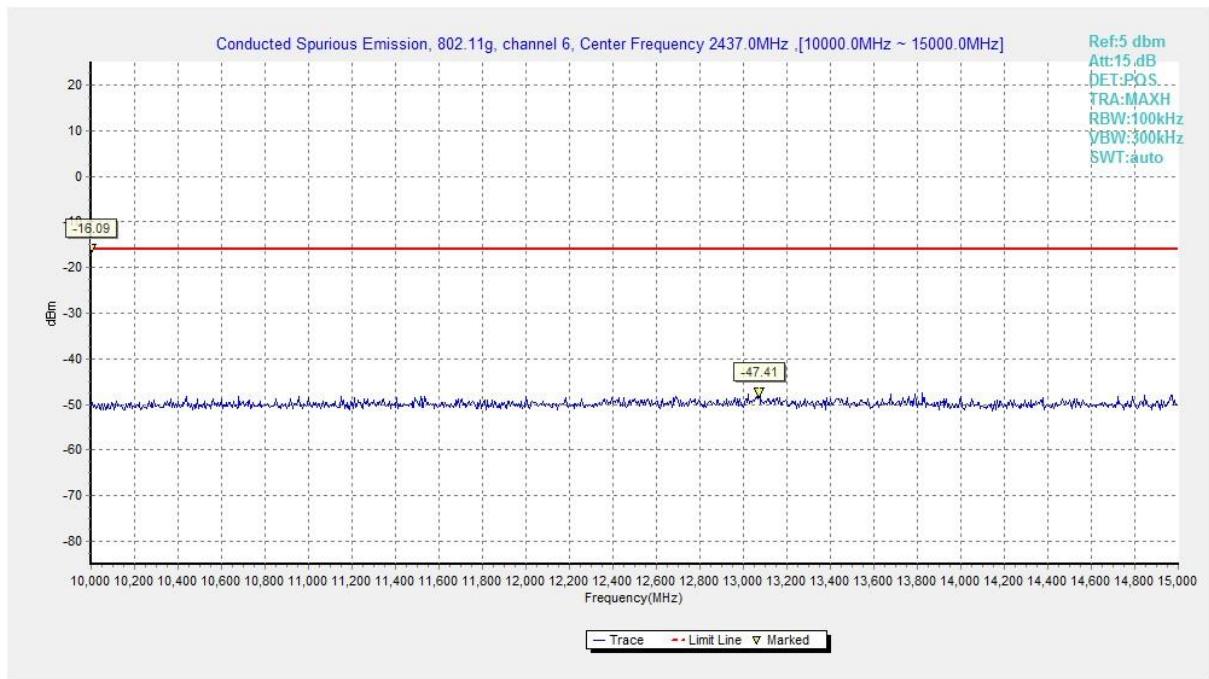
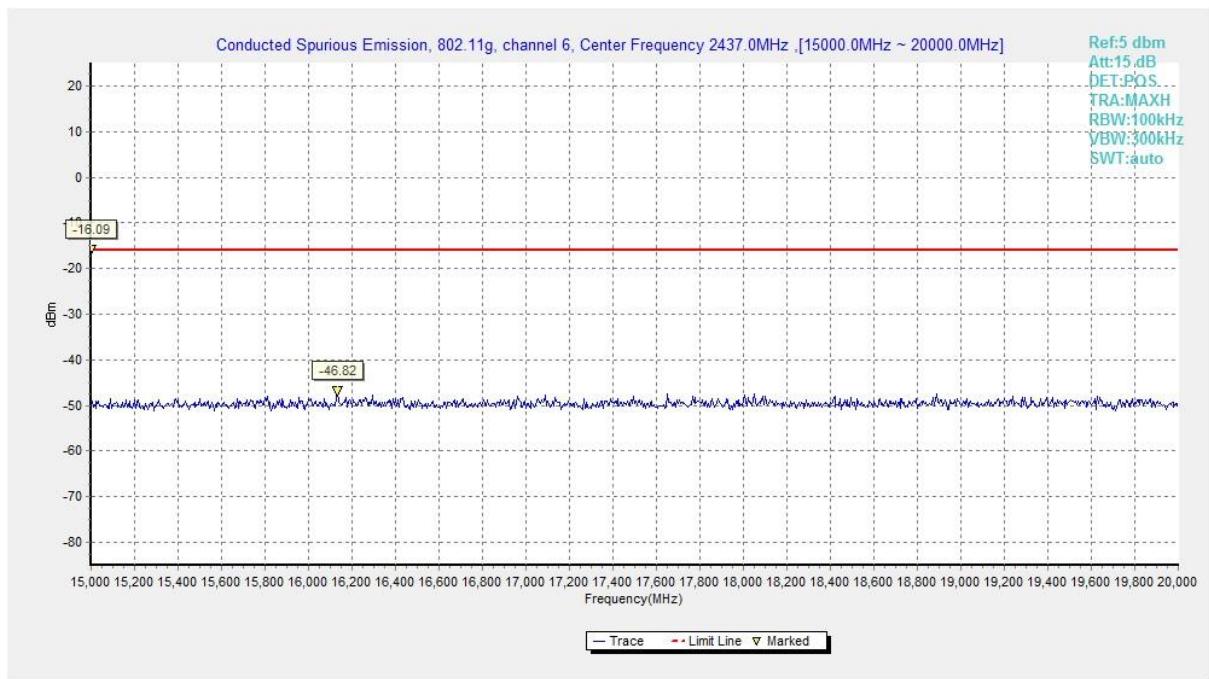
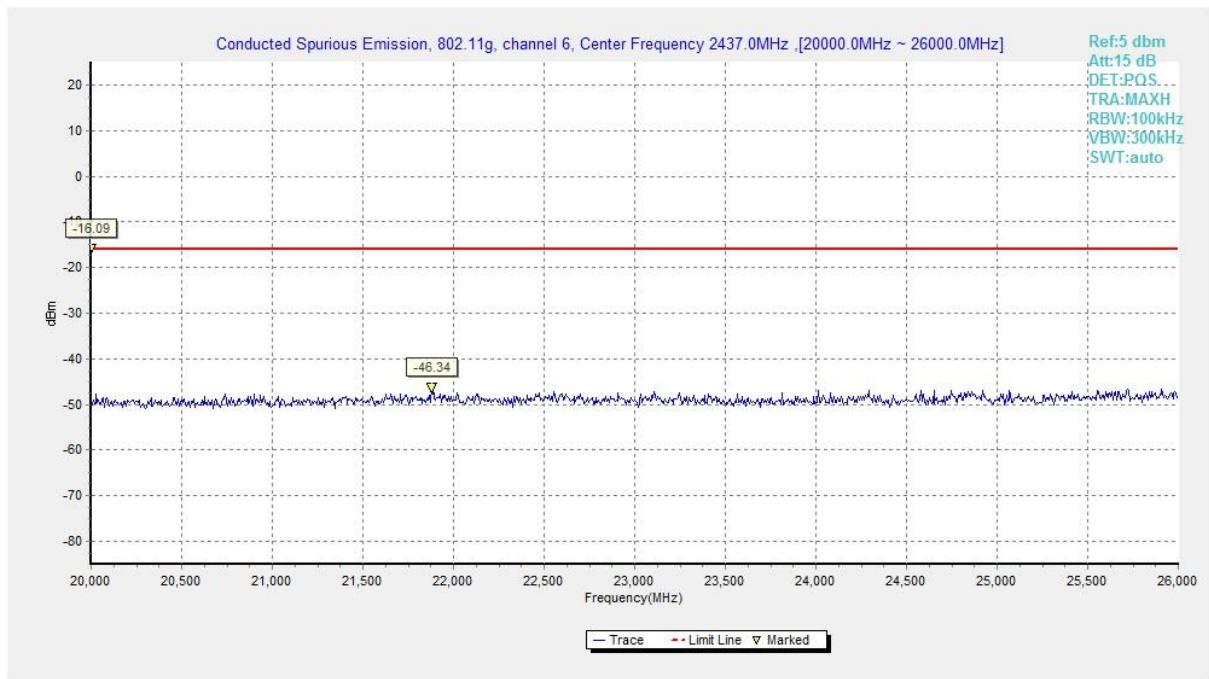


Fig.A.7.1.38 Conducted Spurious Emission (802.11g, Ch6, 10 GHz-15 GHz)



**Fig.A.7.1.39 Conducted Spurious Emission (802.11g, Ch6, 15 GHz-20 GHz)**



**Fig.A.7.1.40 Conducted Spurious Emission (802.11g, Ch6, 20 GHz-26 GHz)**

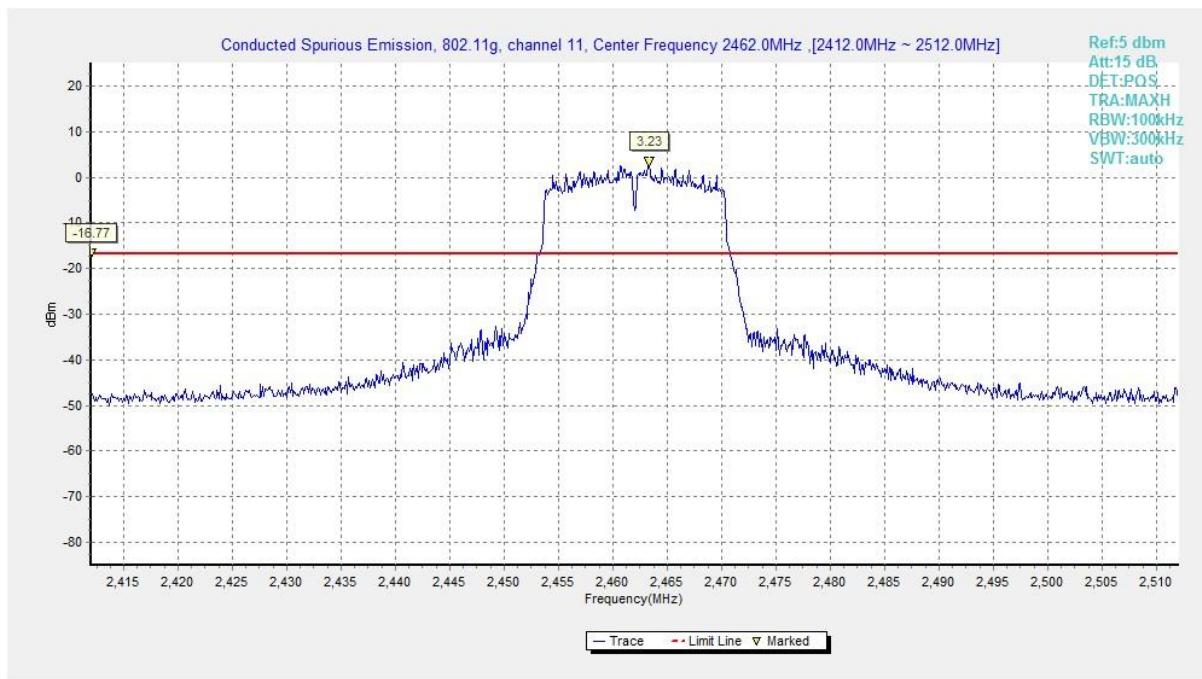


Fig.A.7.1.41 Conducted Spurious Emission (802.11g, Ch11, Center Frequency)

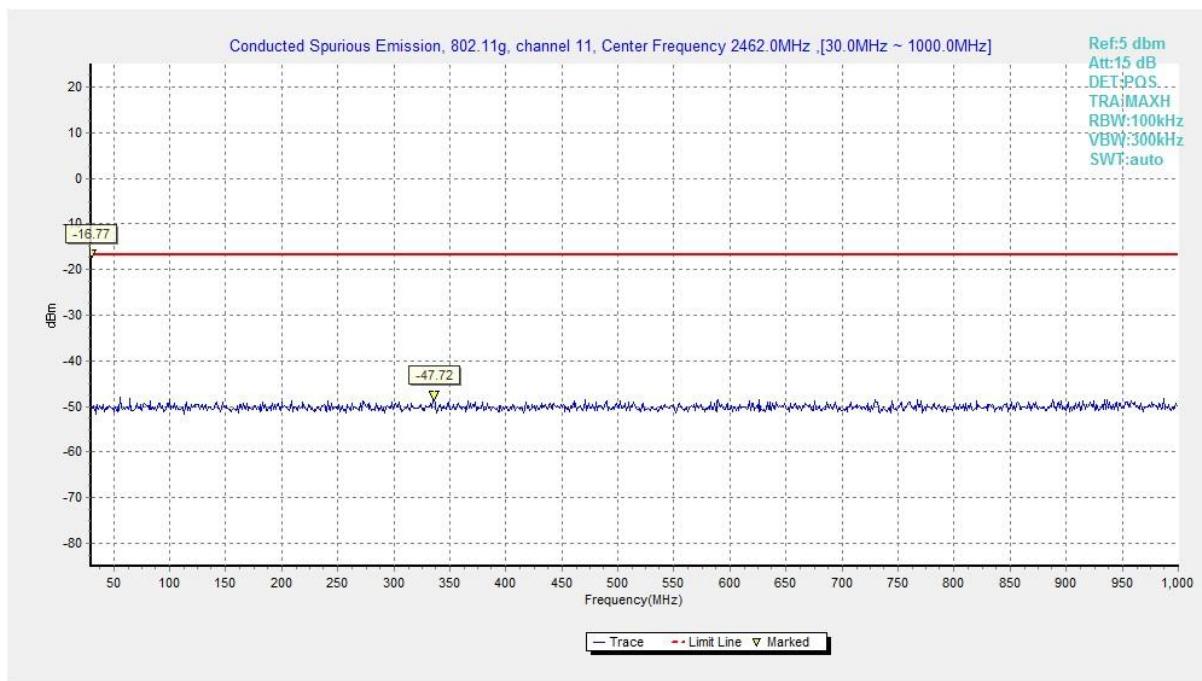
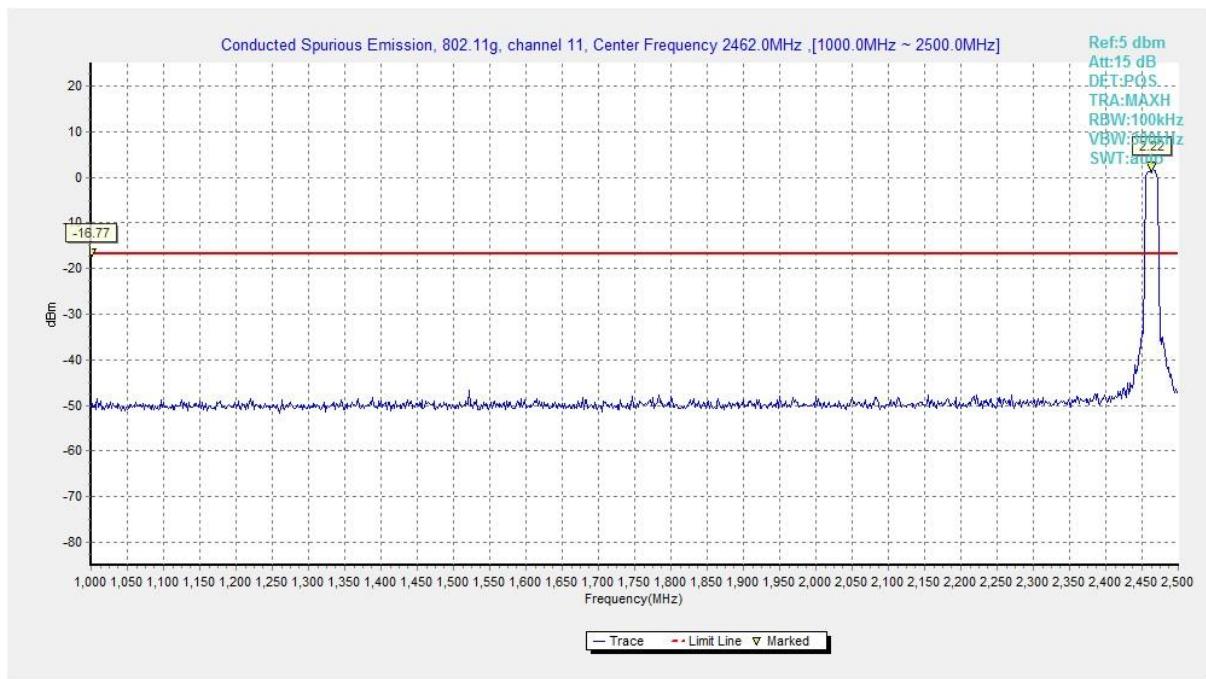
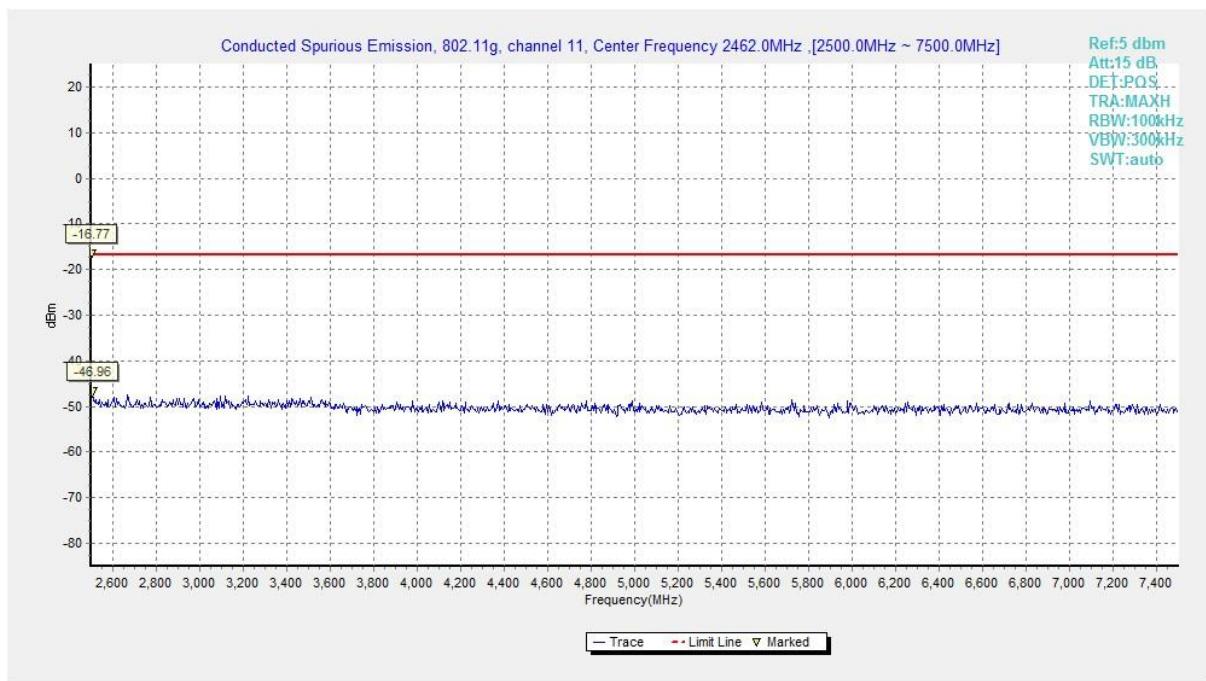


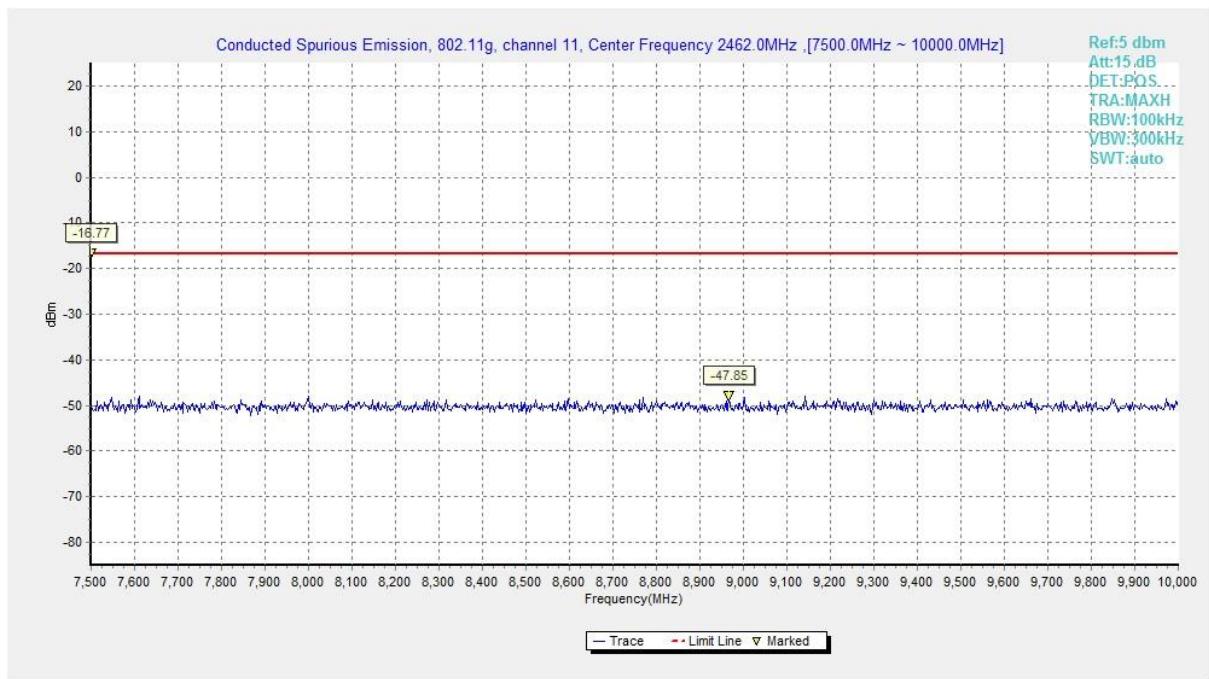
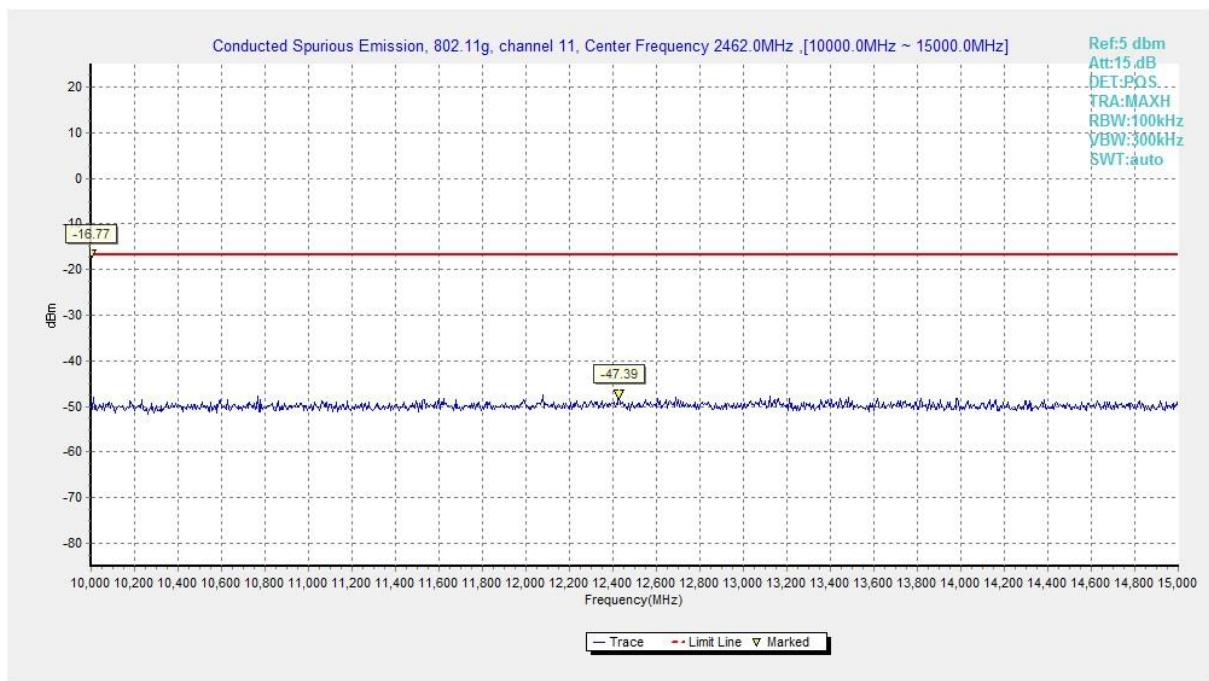
Fig.A.7.1.42 Conducted Spurious Emission (802.11g, Ch11, 30 MHz-1 GHz)



**Fig.A.7.1.43 Conducted Spurious Emission (802.11g, Ch11, 1 GHz-2.5 GHz)**



**Fig.A.7.1.44 Conducted Spurious Emission (802.11g, Ch11, 2.5 GHz-7.5 GHz)**


**Fig.A.7.1.45 Conducted Spurious Emission (802.11g, Ch11, 7.5 GHz-10 GHz)**

**Fig.A.7.1.46 Conducted Spurious Emission (802.11g, Ch11, 10 GHz-15 GHz)**

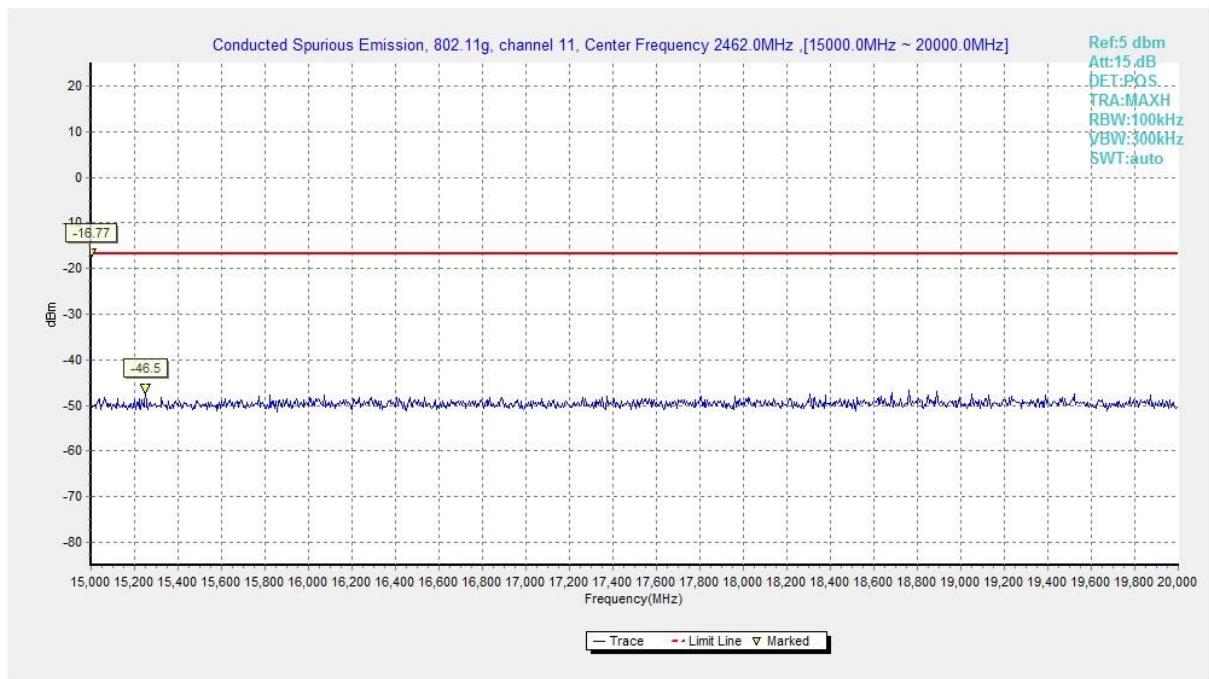


Fig.A.7.1.47 Conducted Spurious Emission (802.11g, Ch11, 15 GHz-20 GHz)

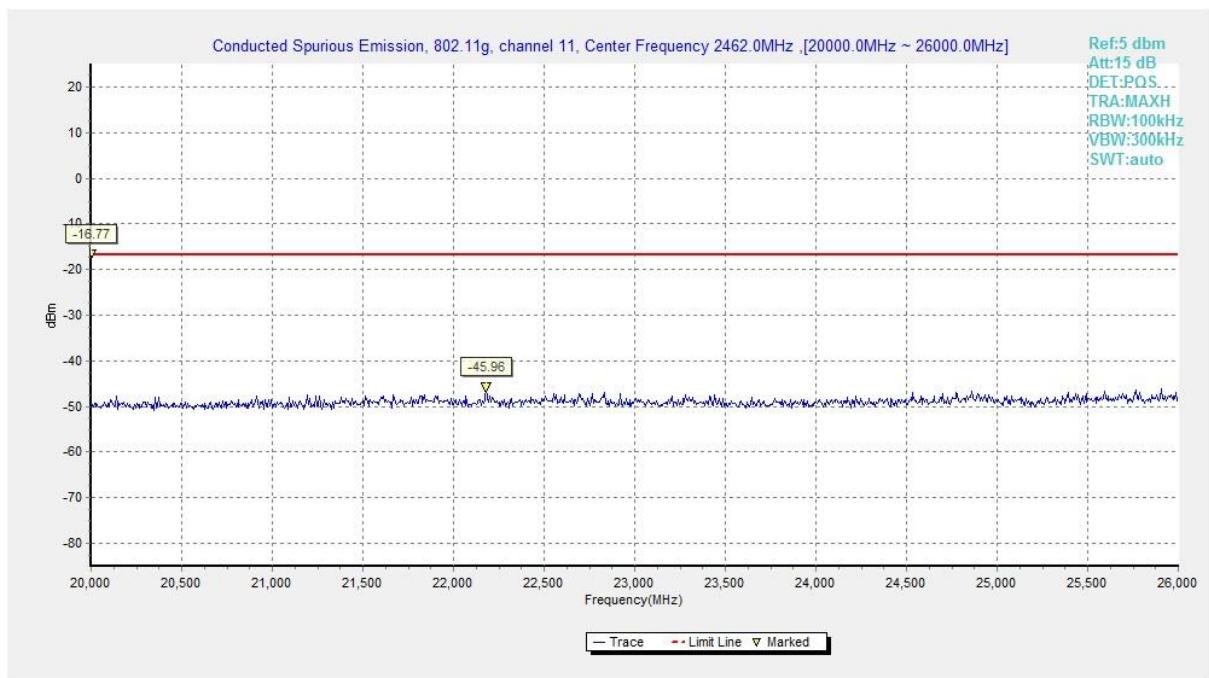
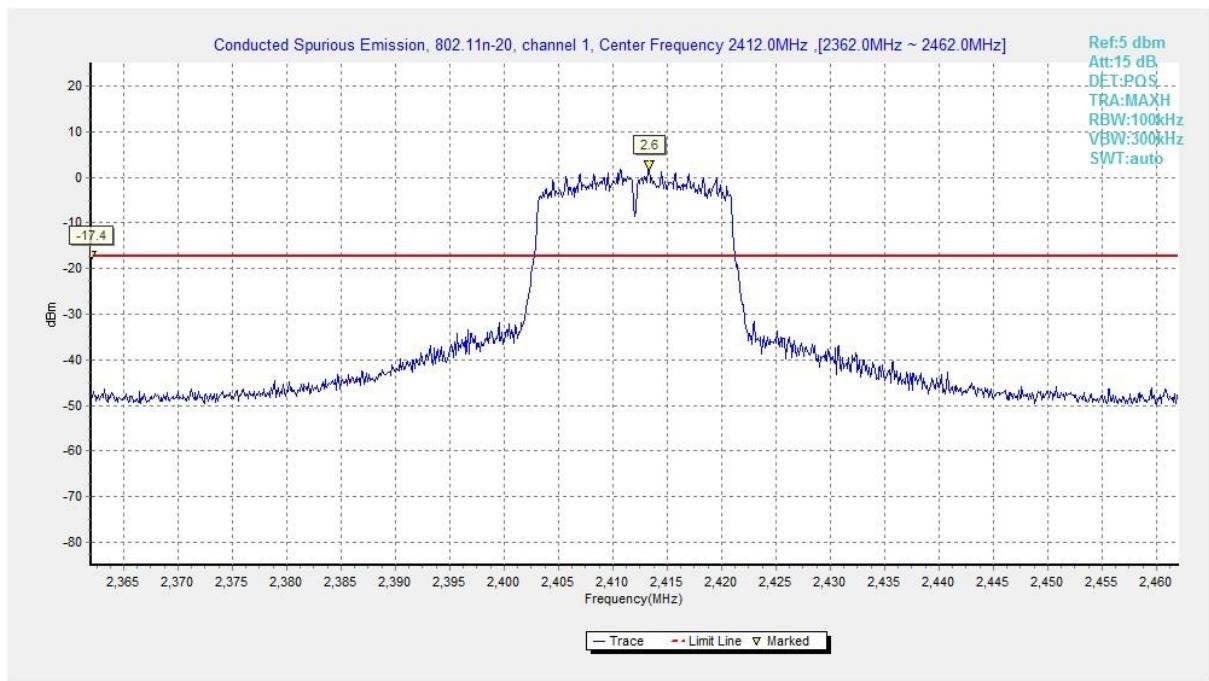
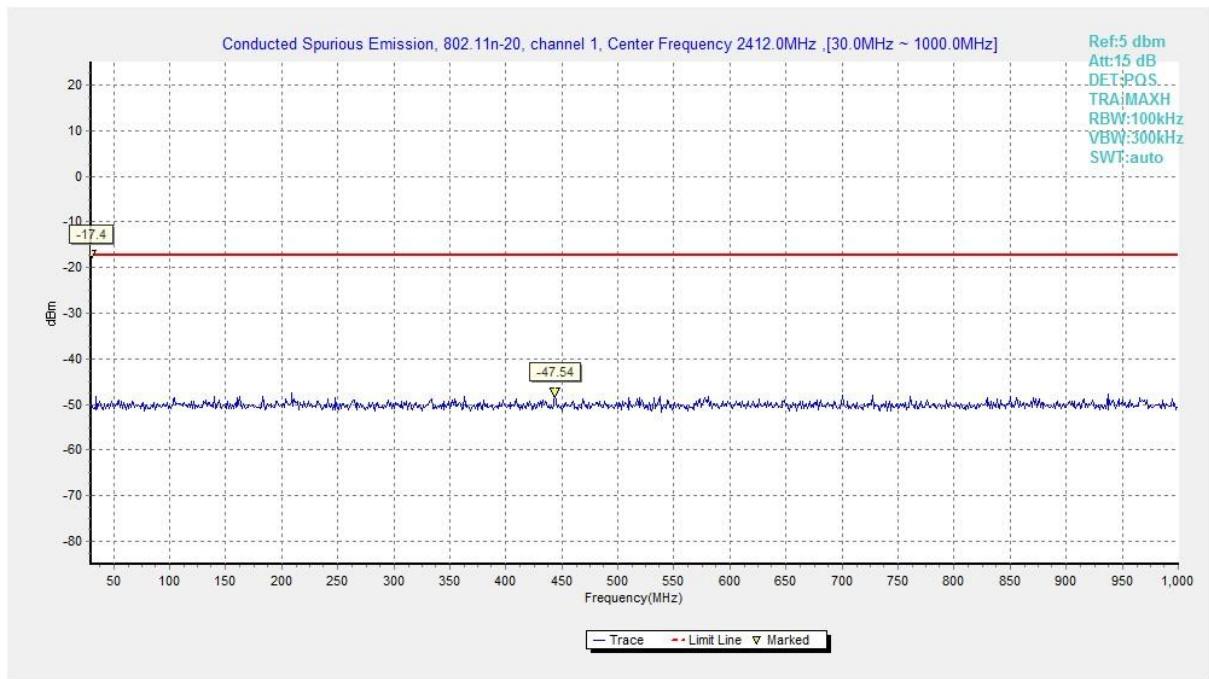


Fig.A.7.1.48 Conducted Spurious Emission (802.11g, Ch11, 20 GHz-26 GHz)



**Fig.A.7.1.49 Conducted Spurious Emission (802.11n-HT20, Ch1, Center Frequency)**



**Fig.A.7.1.50 Conducted Spurious Emission (802.11n-HT20, Ch1, 30 MHz-1 GHz)**

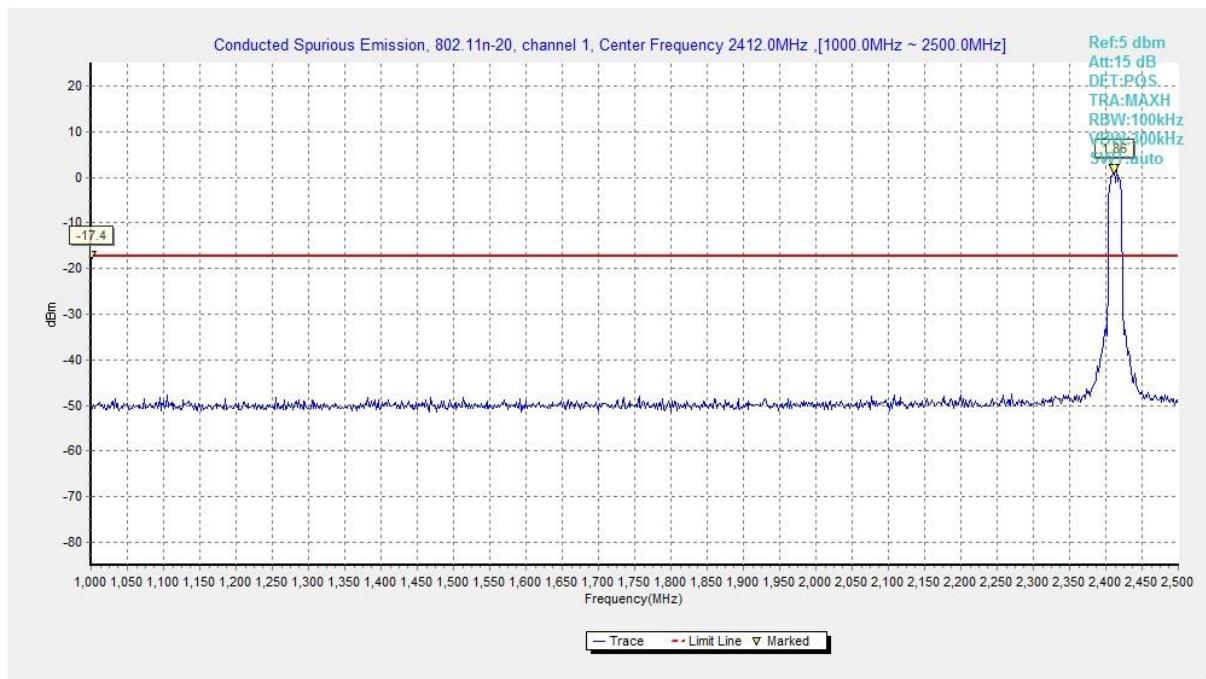


Fig.A.7.1.51 Conducted Spurious Emission (802.11n-HT20, Ch1, 1 GHz-2.5 GHz)

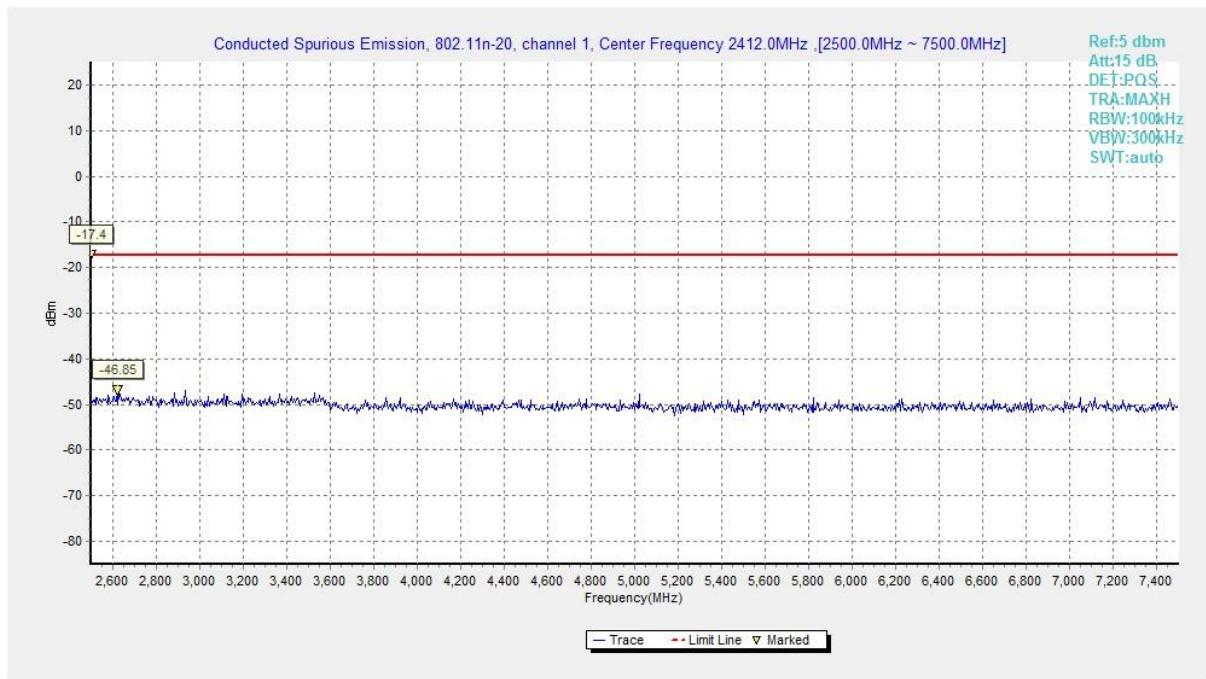
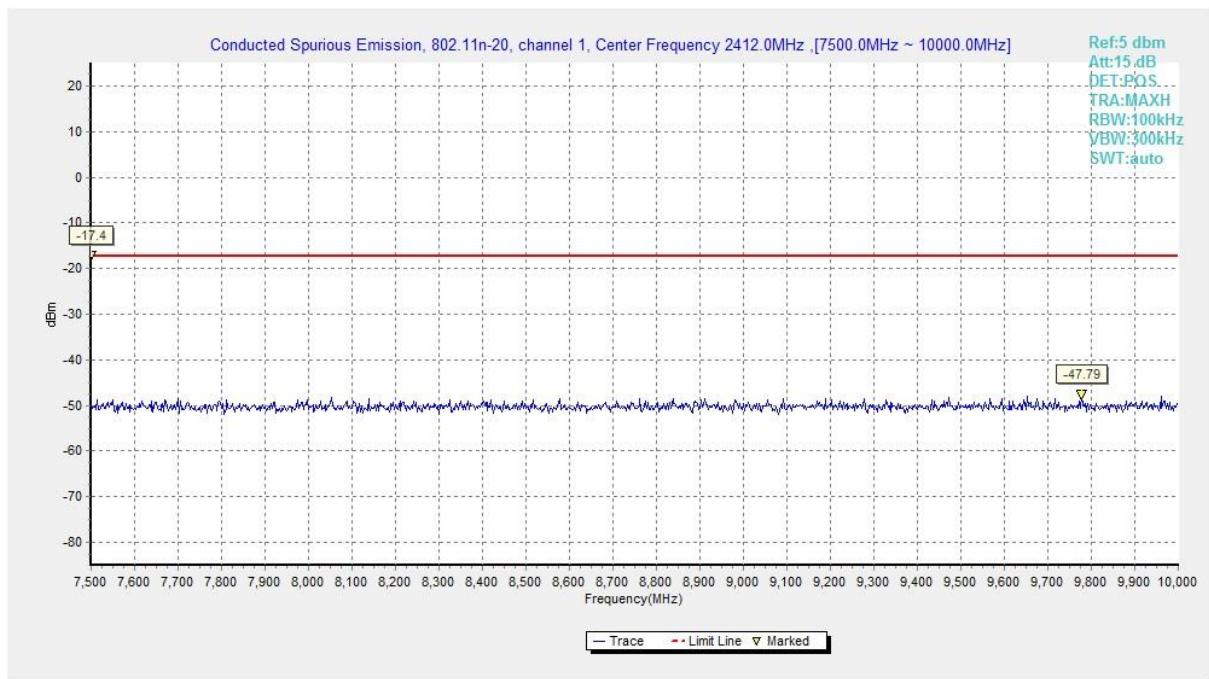
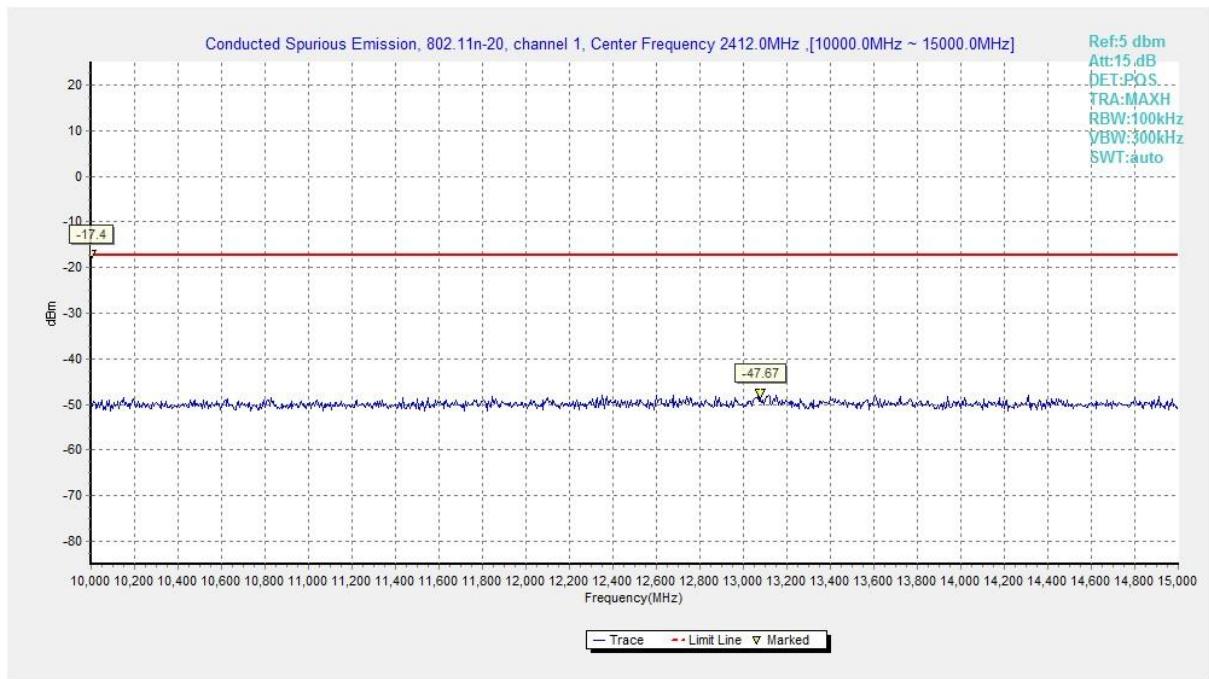


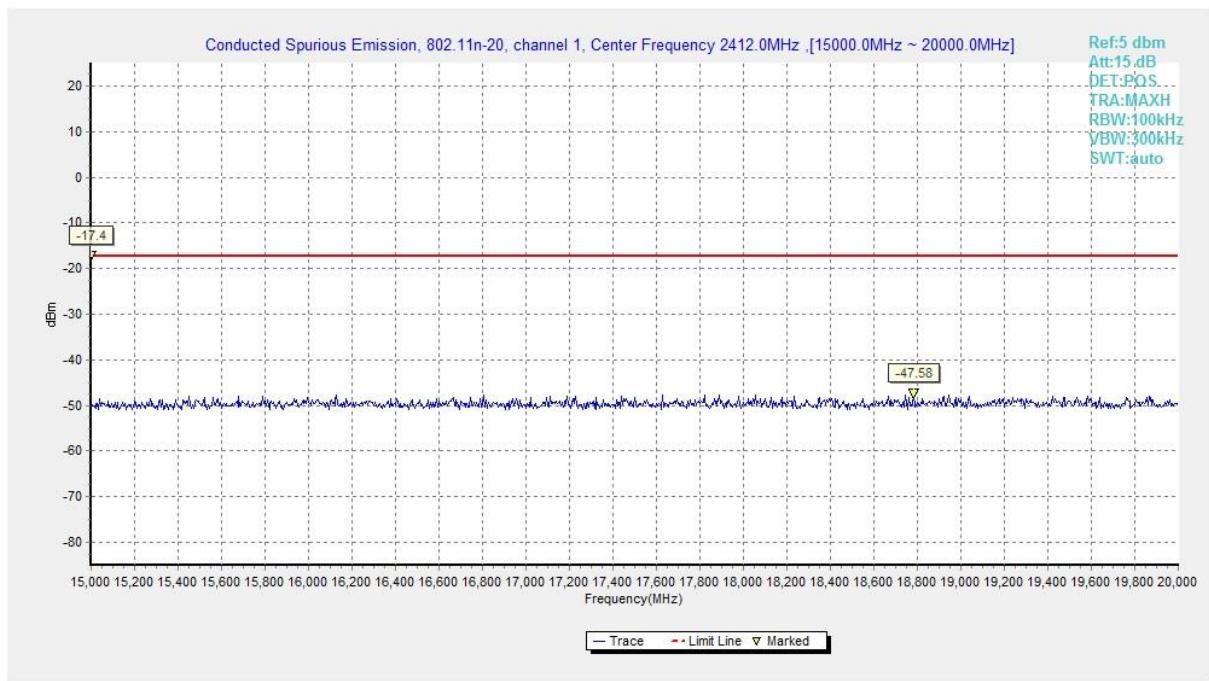
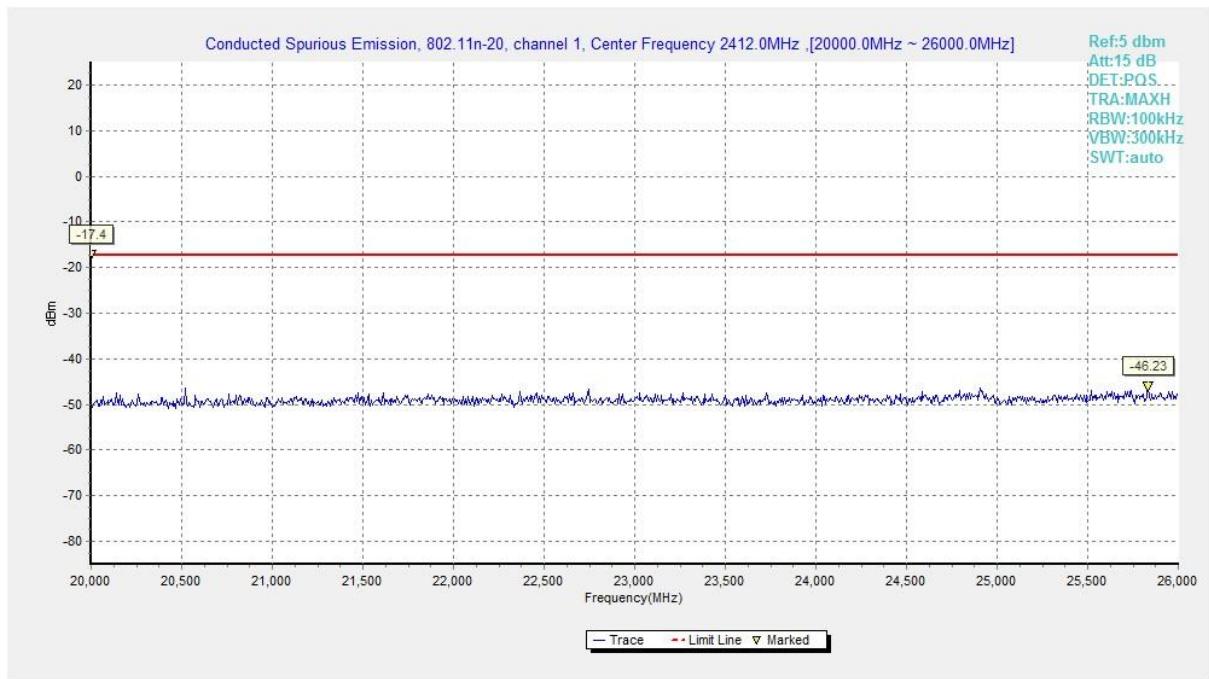
Fig.A.7.1.52 Conducted Spurious Emission (802.11n-HT20, Ch1, 2.5 GHz-7.5 GHz)



**Fig.A.7.1.53 Conducted Spurious Emission (802.11n-HT20, Ch1, 7.5 GHz-10 GHz)**



**Fig.A.7.1.54 Conducted Spurious Emission (802.11n-HT20, Ch1, 10 GHz-15 GHz)**

**Fig.A.7.1.55 Conducted Spurious Emission (802.11n-HT20, Ch1, 15 GHz-20 GHz)****Fig.A.7.1.56 Conducted Spurious Emission (802.11n-HT20, Ch1, 20 GHz-26 GHz)**