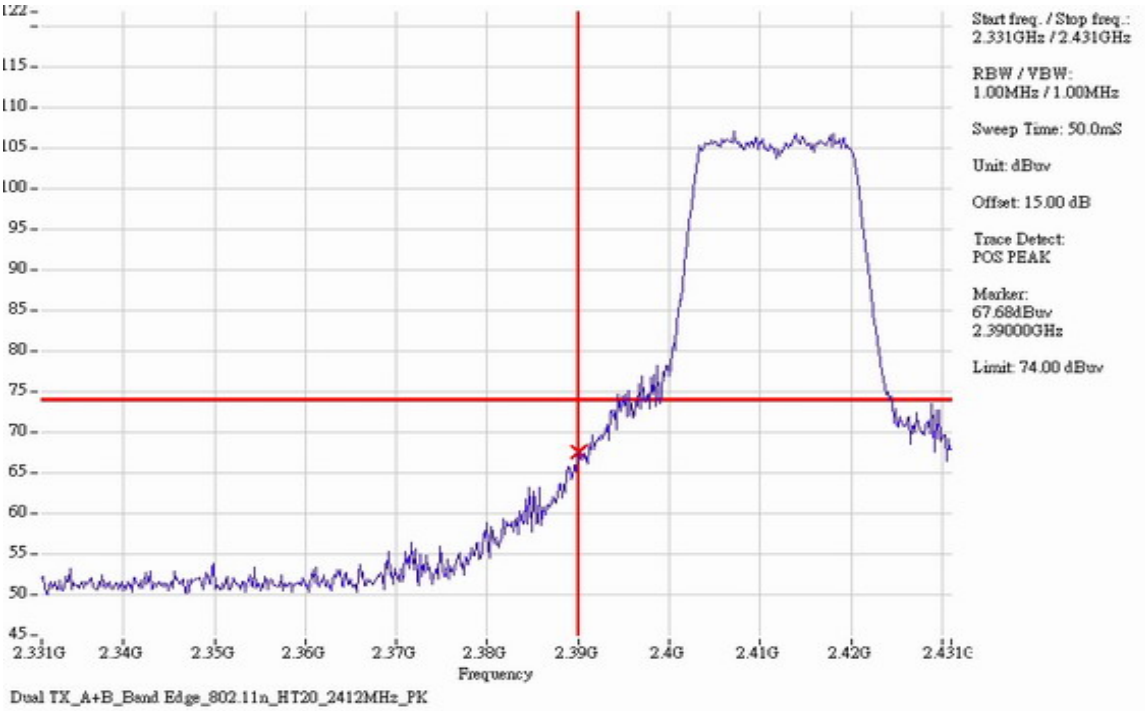
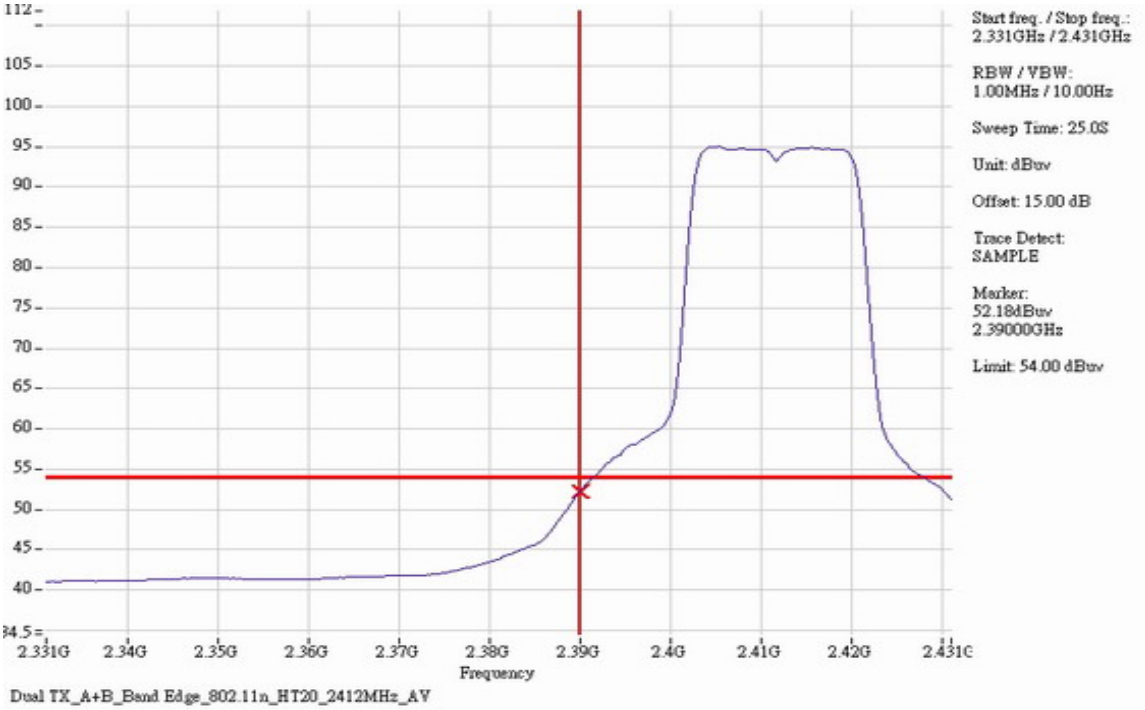
Dual Tx

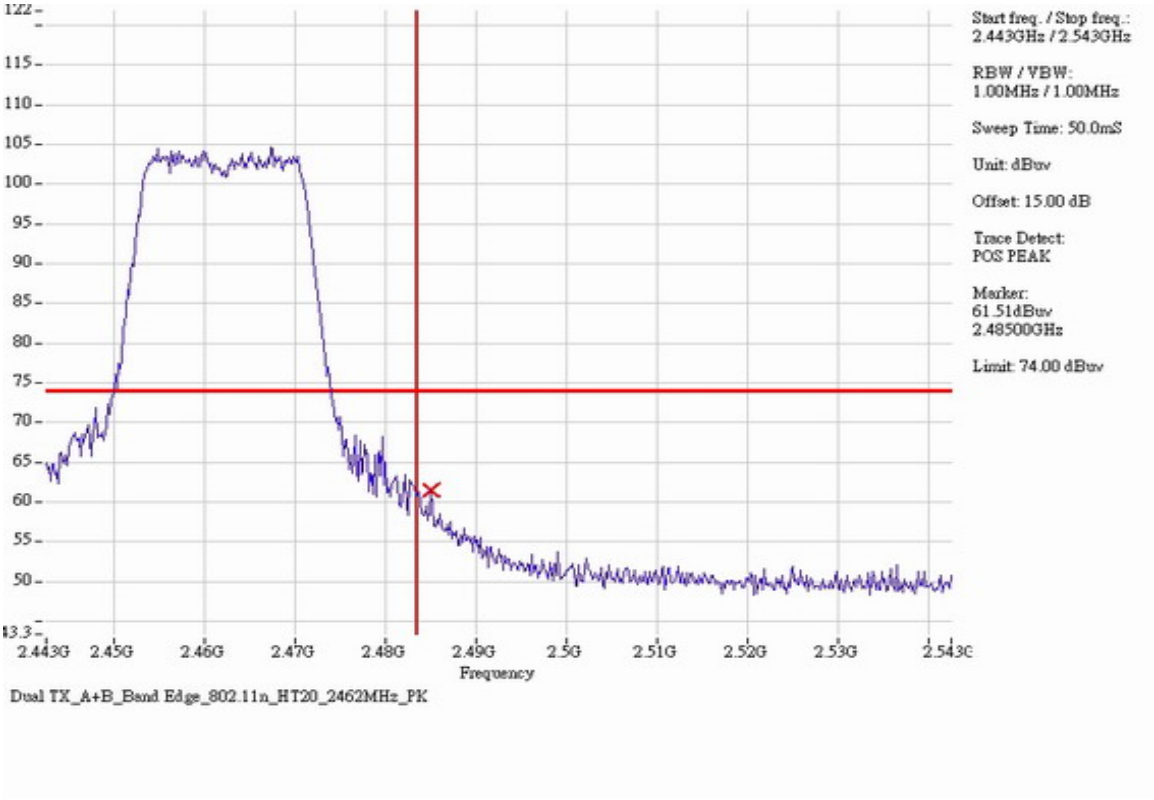
802.11n (HT20) Chain A+B CH1 PK



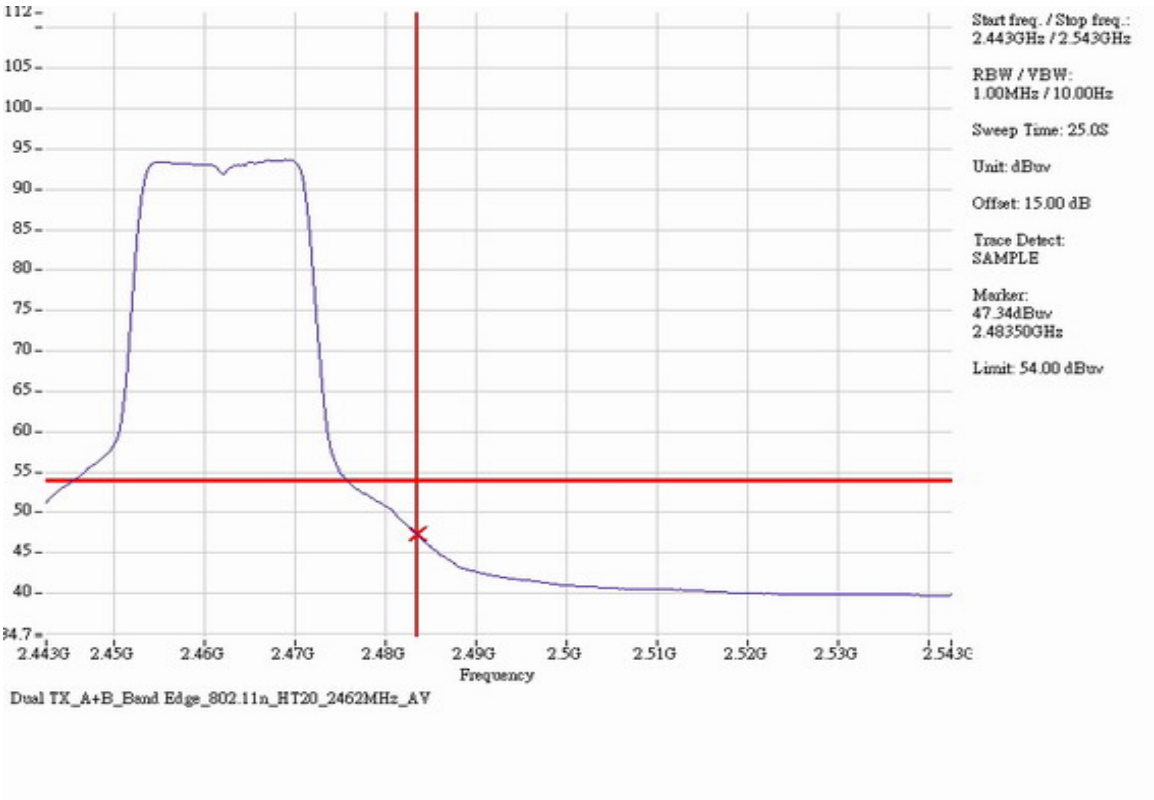
802.11n (HT20) Chain A+B CH1 AV



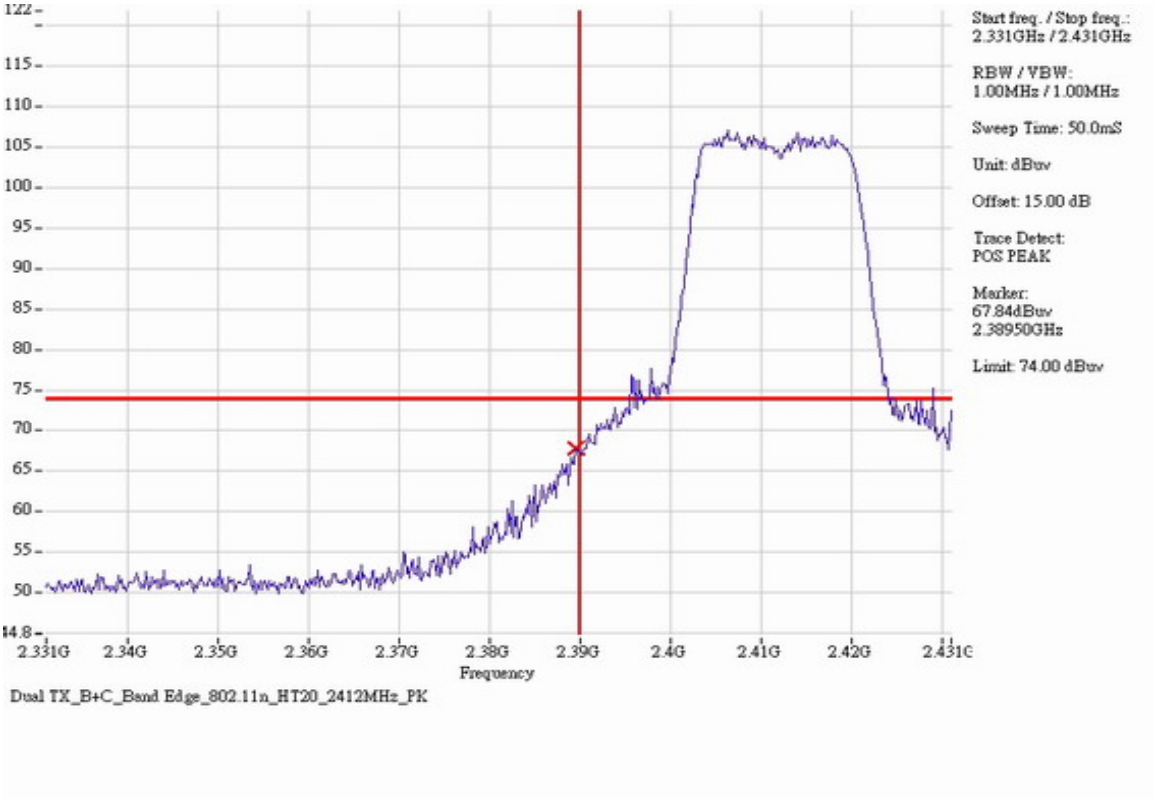
802.11n (HT20) Chain A+B CH11 PK



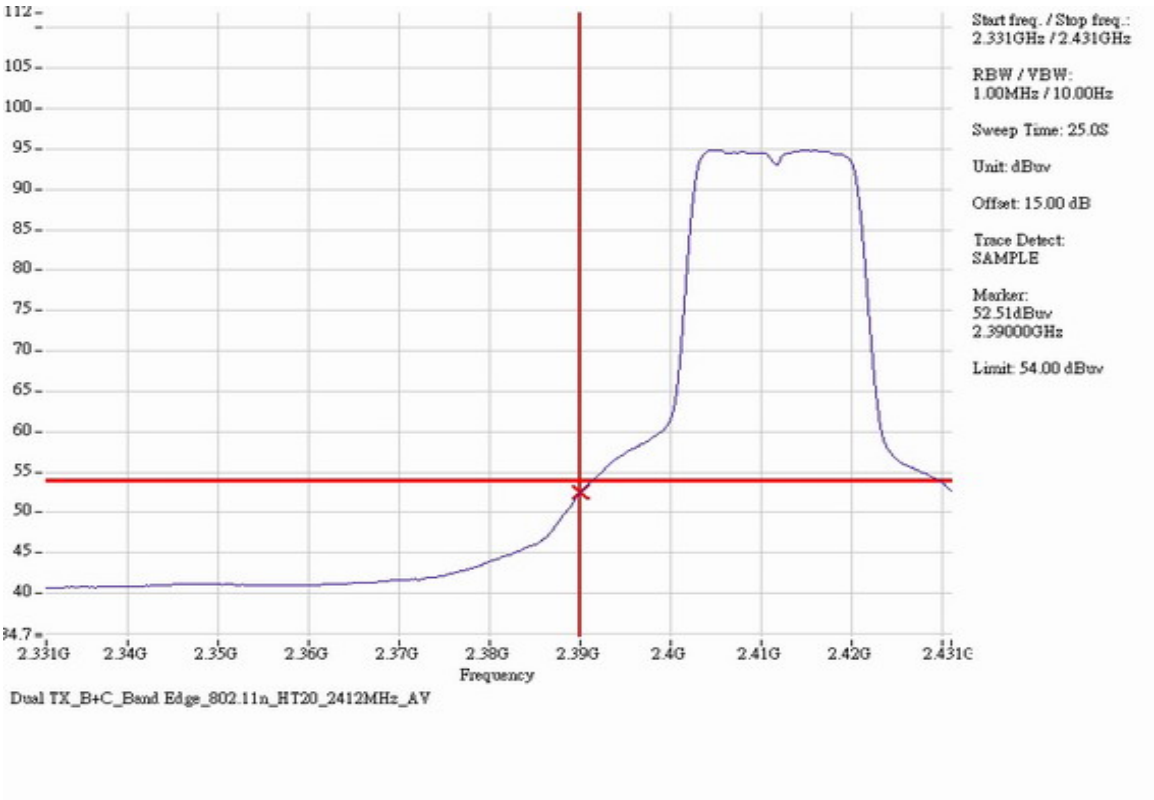
802.11n (HT20) Chain A+B CH11 AV



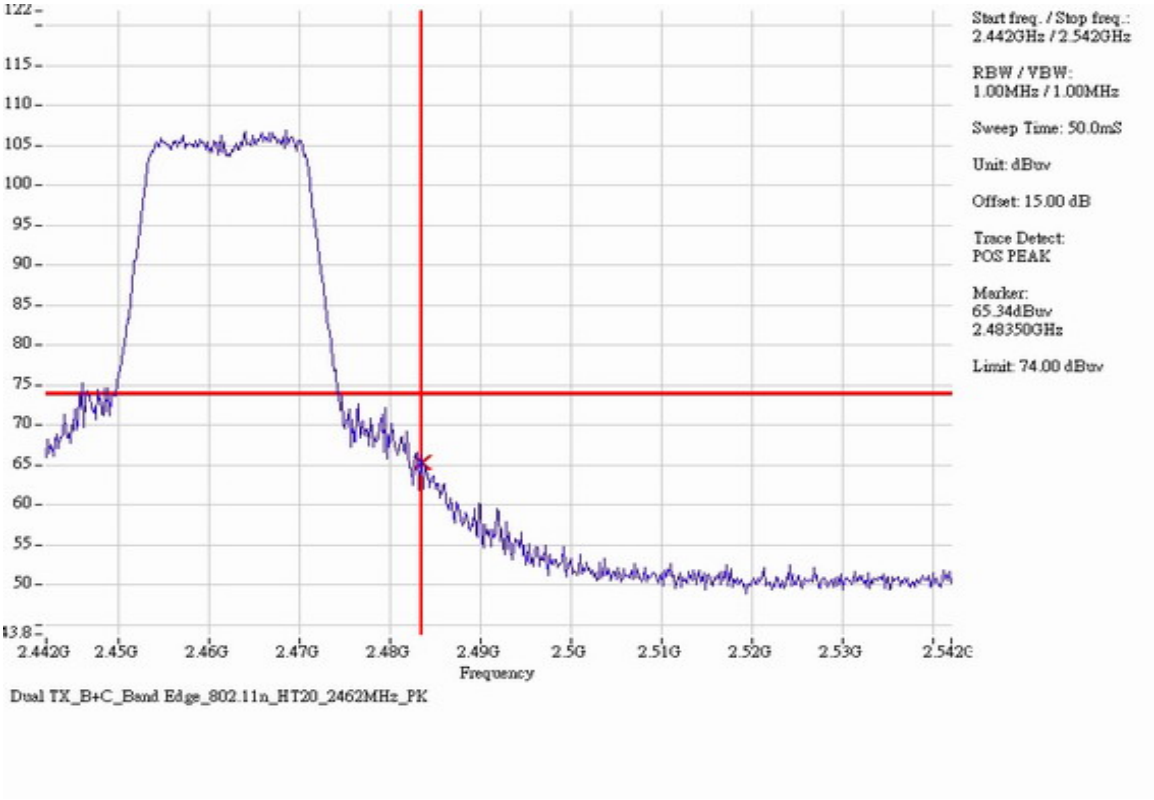
802.11n (HT20) Chain B+C CH1 PK



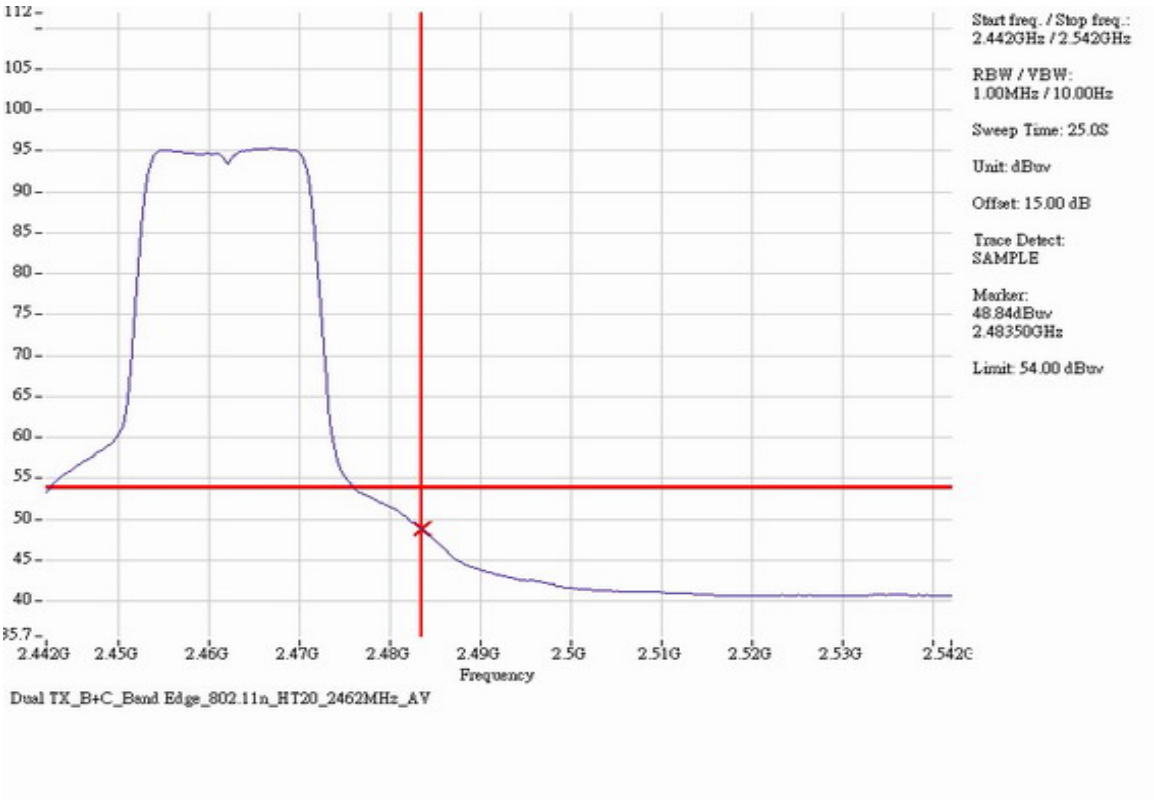
802.11n (HT20) Chain B+C CH1 AV



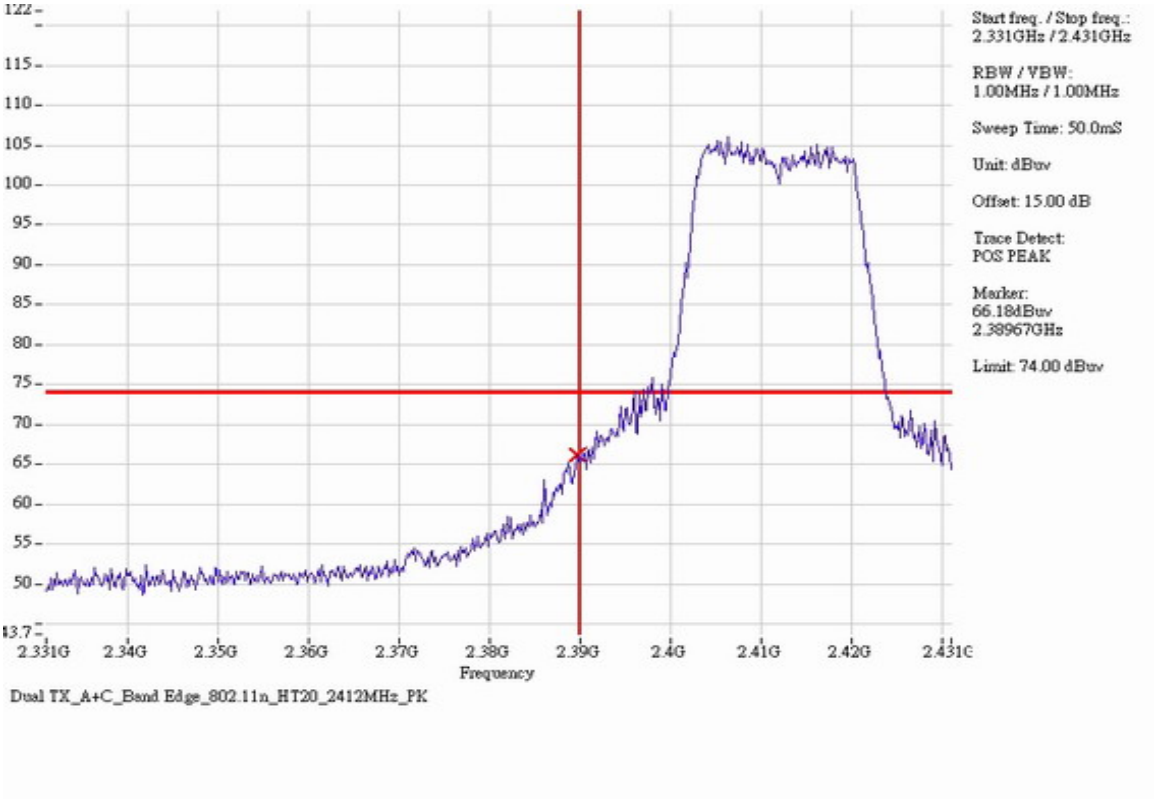
802.11n (HT20) Chain B+C CH11 PK



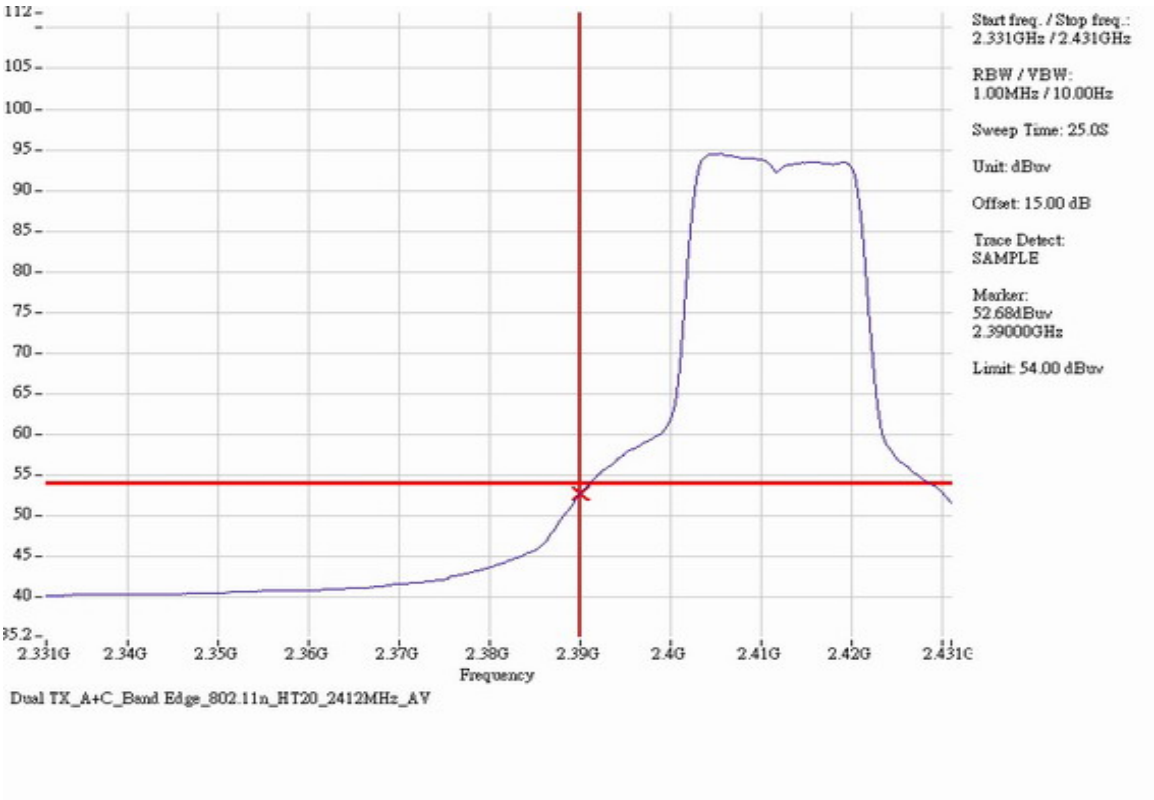
802.11n (HT20) Chain B+C CH11 AV



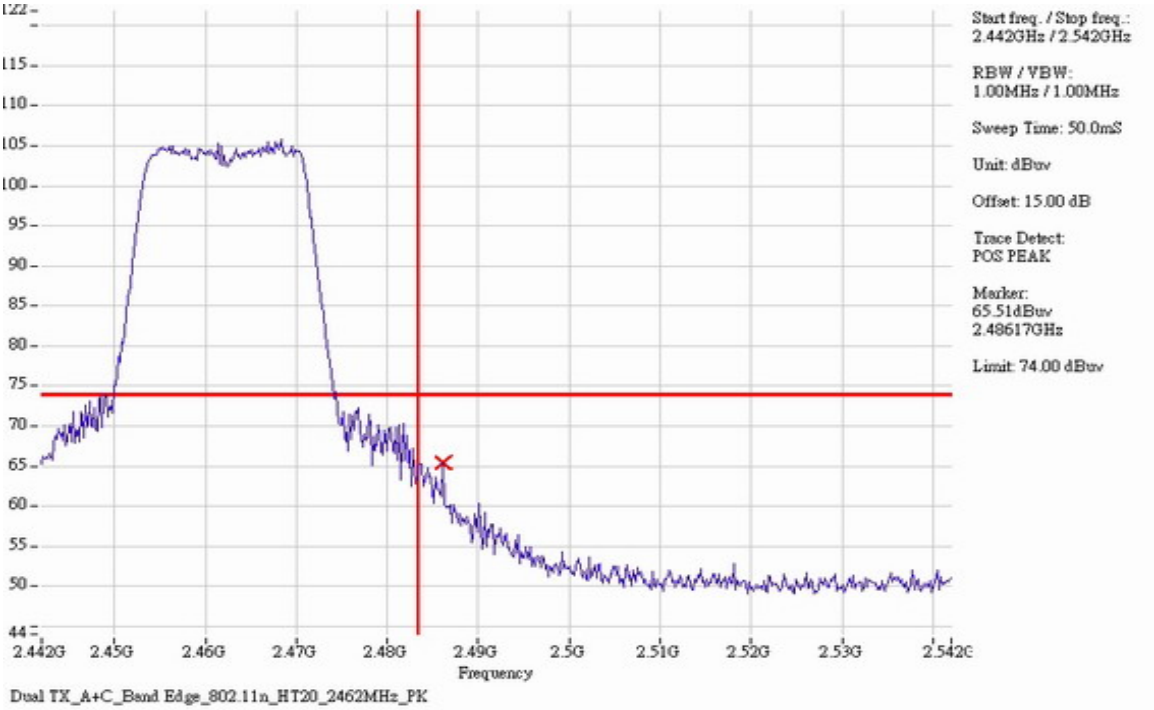
802.11n (HT20) Chain A+C CH1 PK



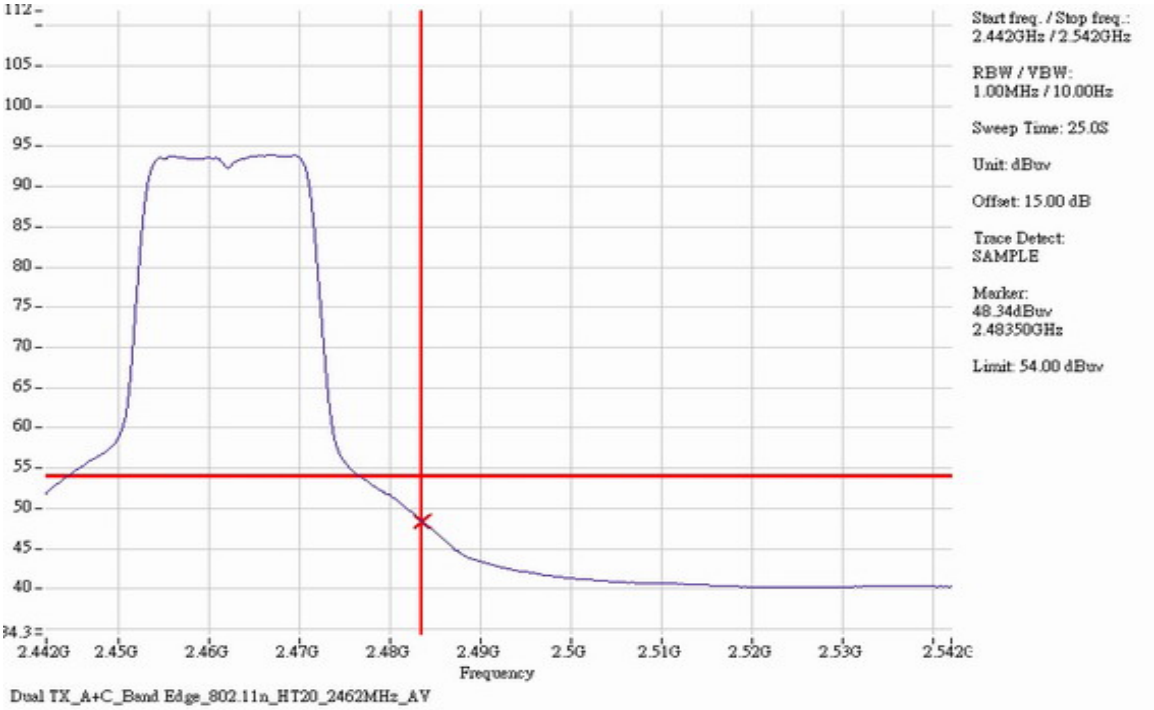
802.11n (HT20) Chain A+C CH1 AV



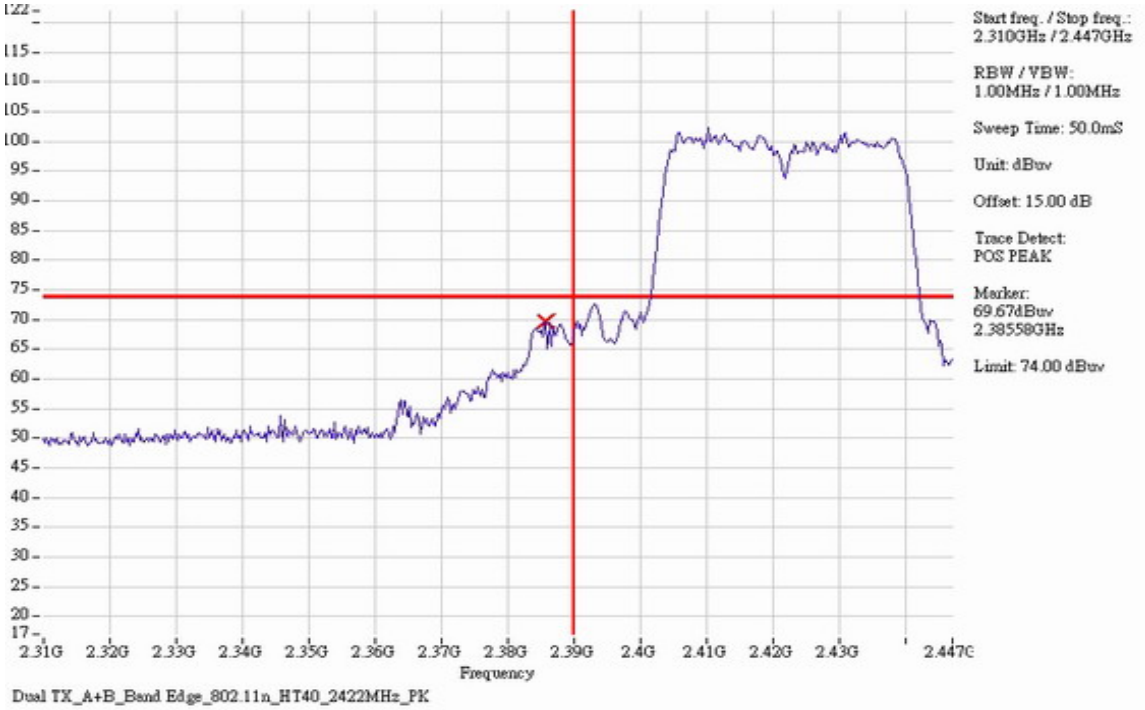
802.11n (HT20) Chain A+C CH11 PK



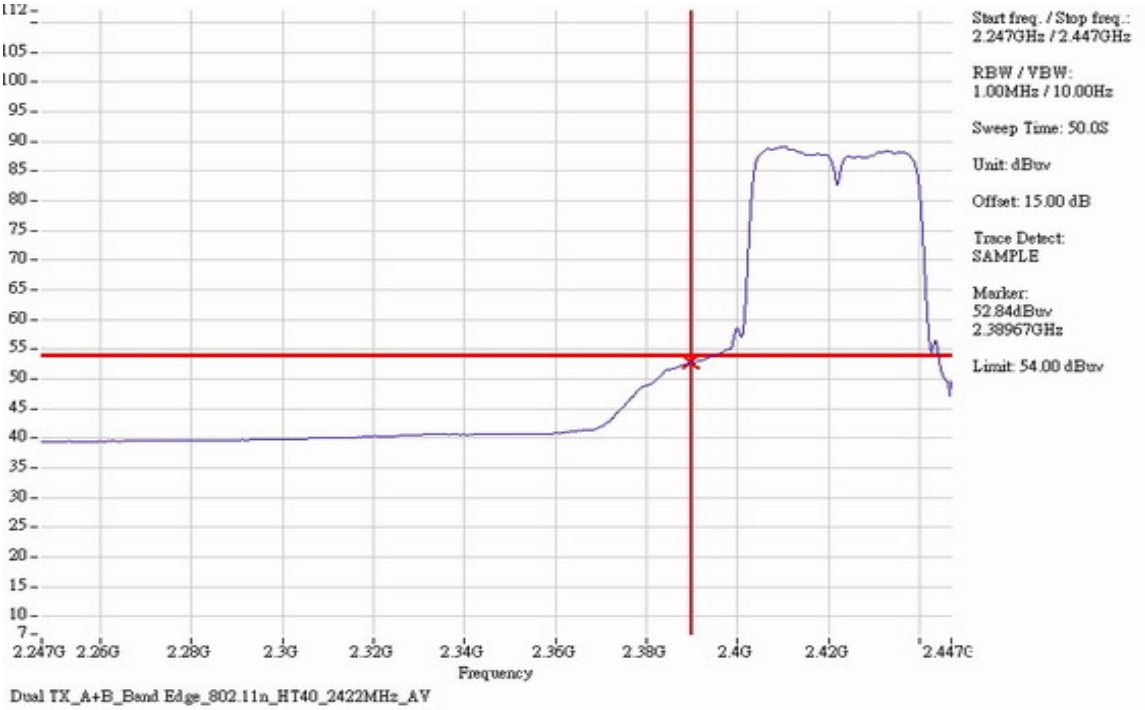
802.11n (HT20) Chain A+C CH11 AV



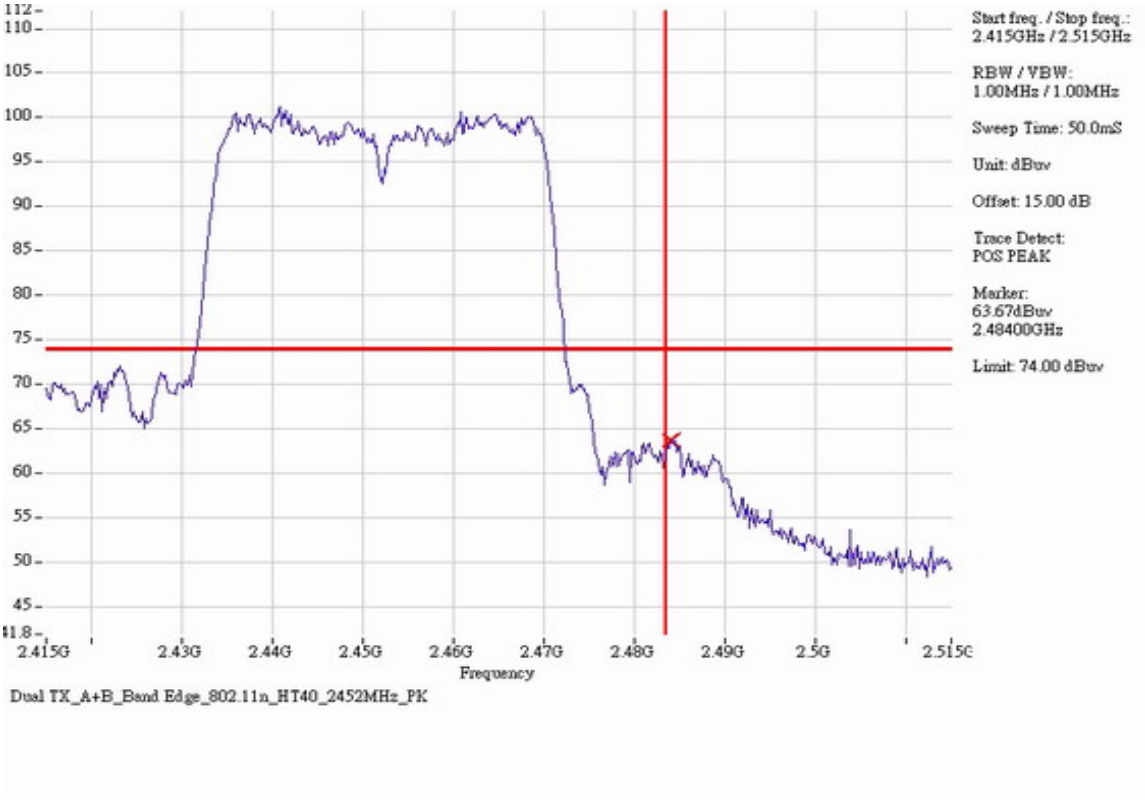
802.11n (HT40) Chain A+B CH3 PK



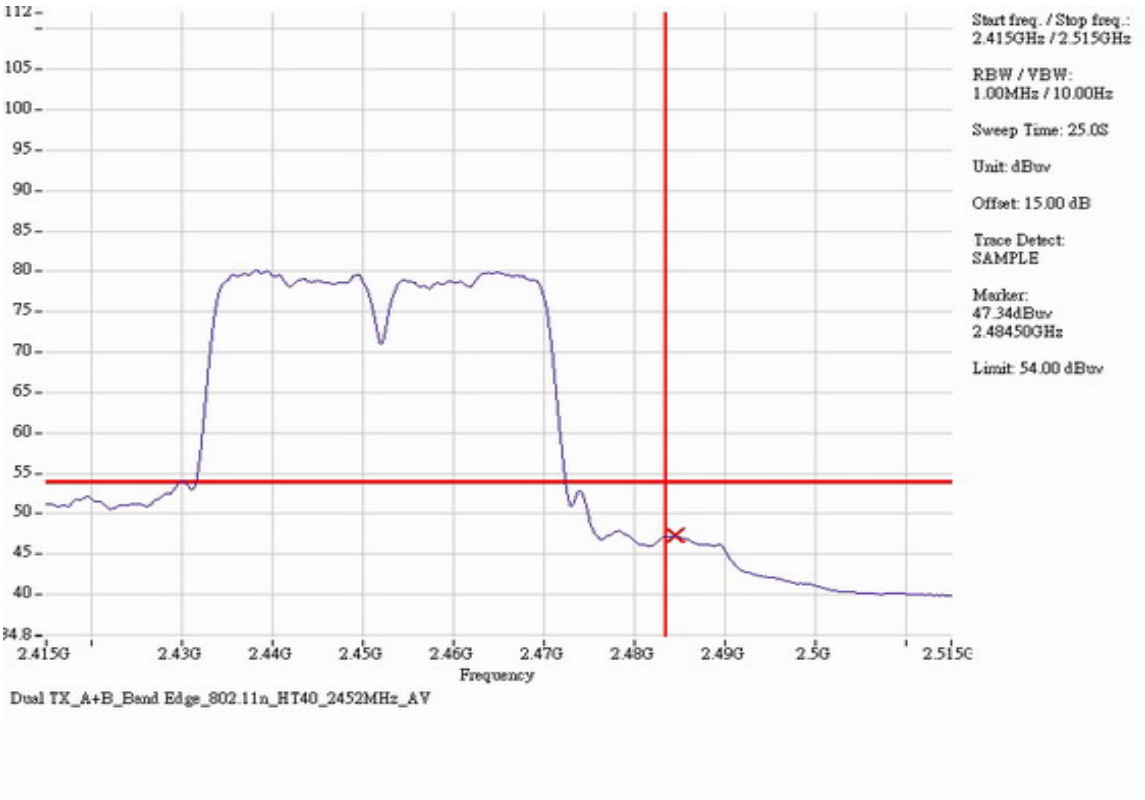
802.11n (HT40) Chain A+B CH9 AV



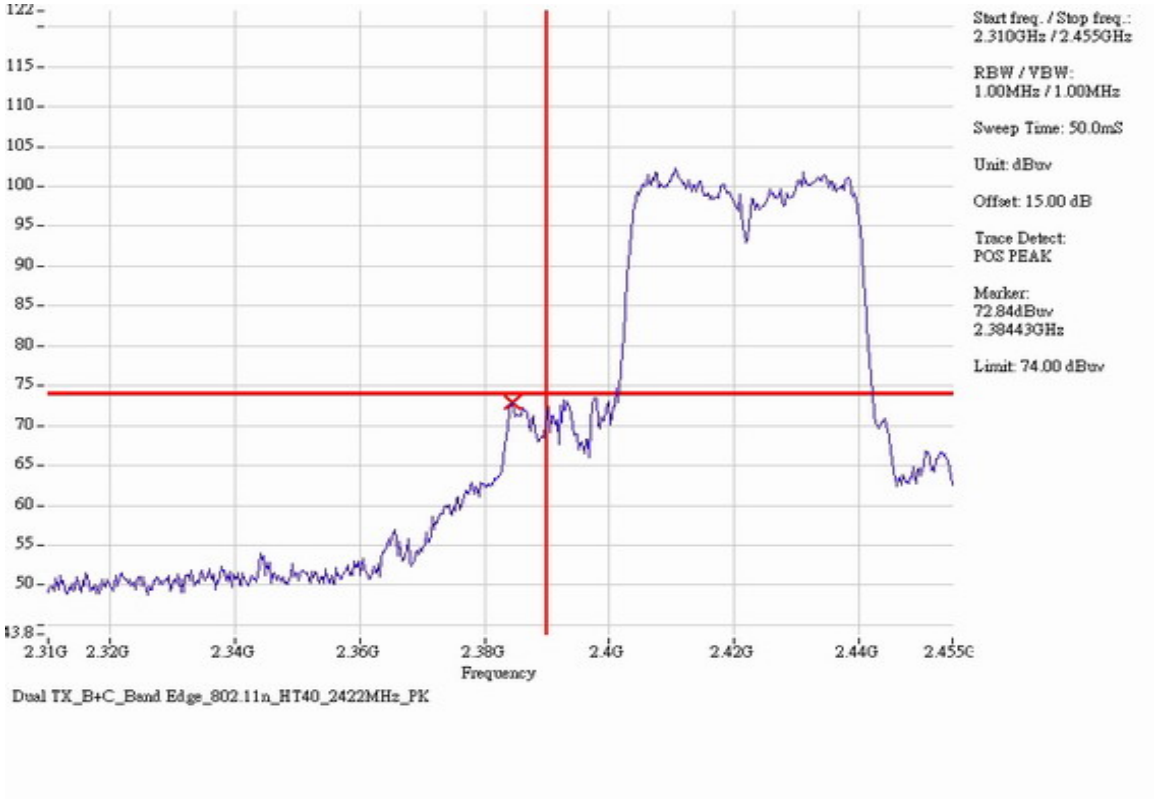
802.11n (HT40) Chain A+B CH3 PK



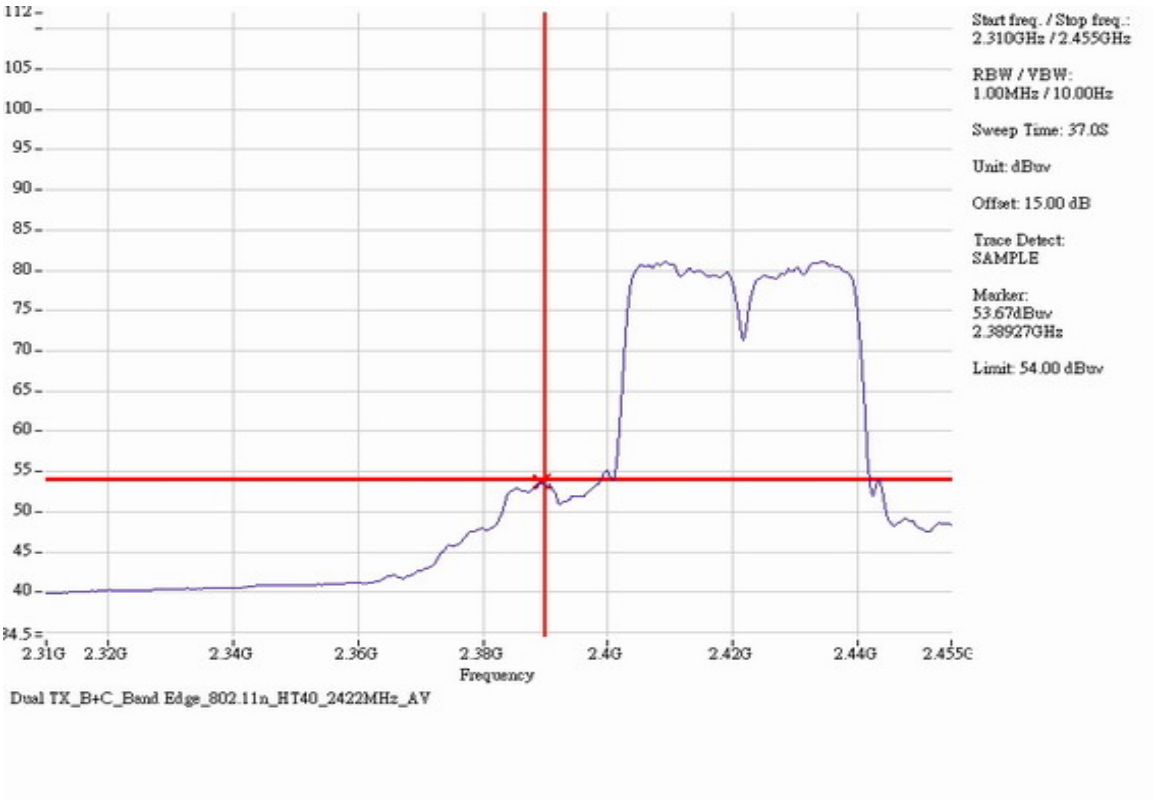
802.11n (HT40) Chain A+B CH9 AV



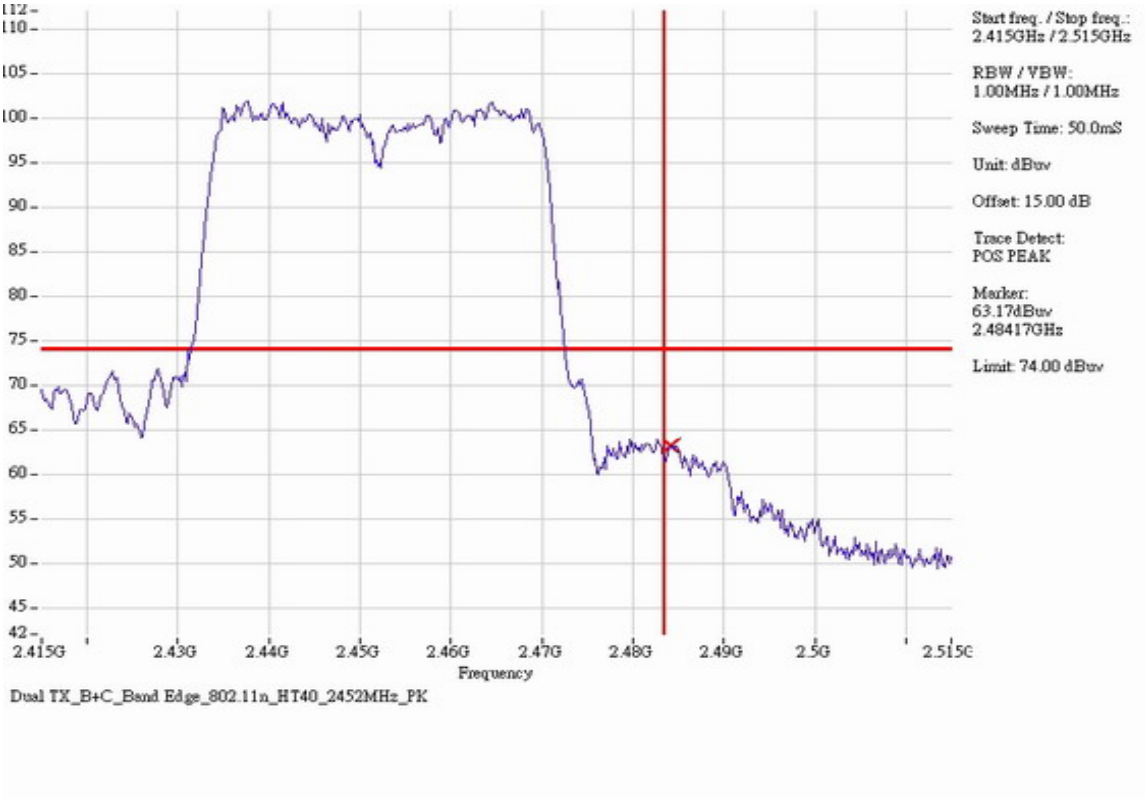
802.11n (HT40) Chain B+C CH3 PK



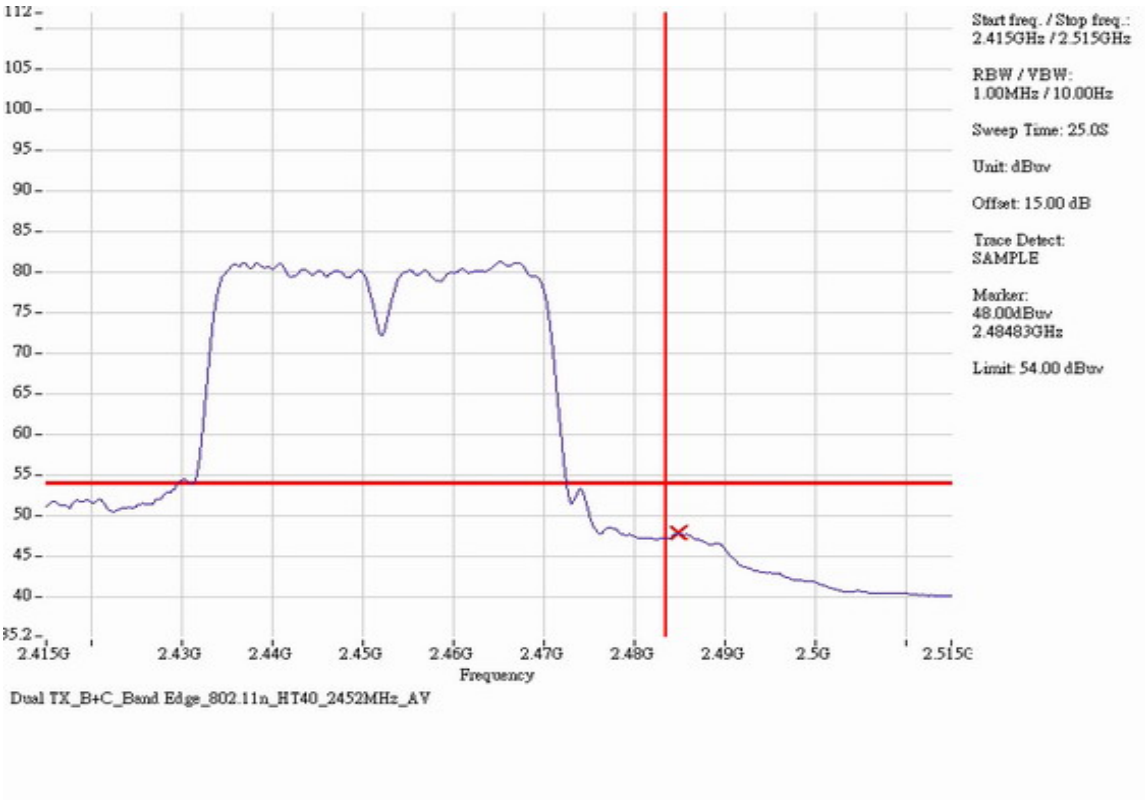
802.11n (HT40) Chain B+C CH9 AV



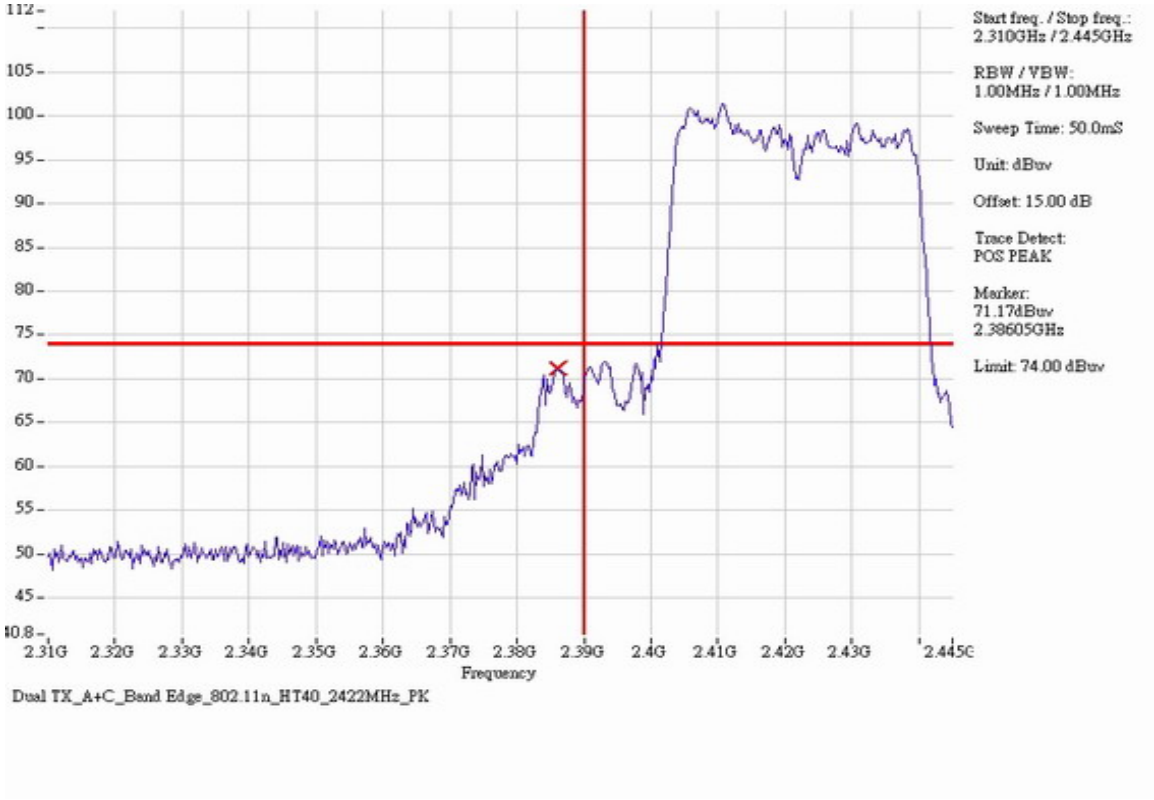
802.11n (HT40) Chain B+C CH3 PK



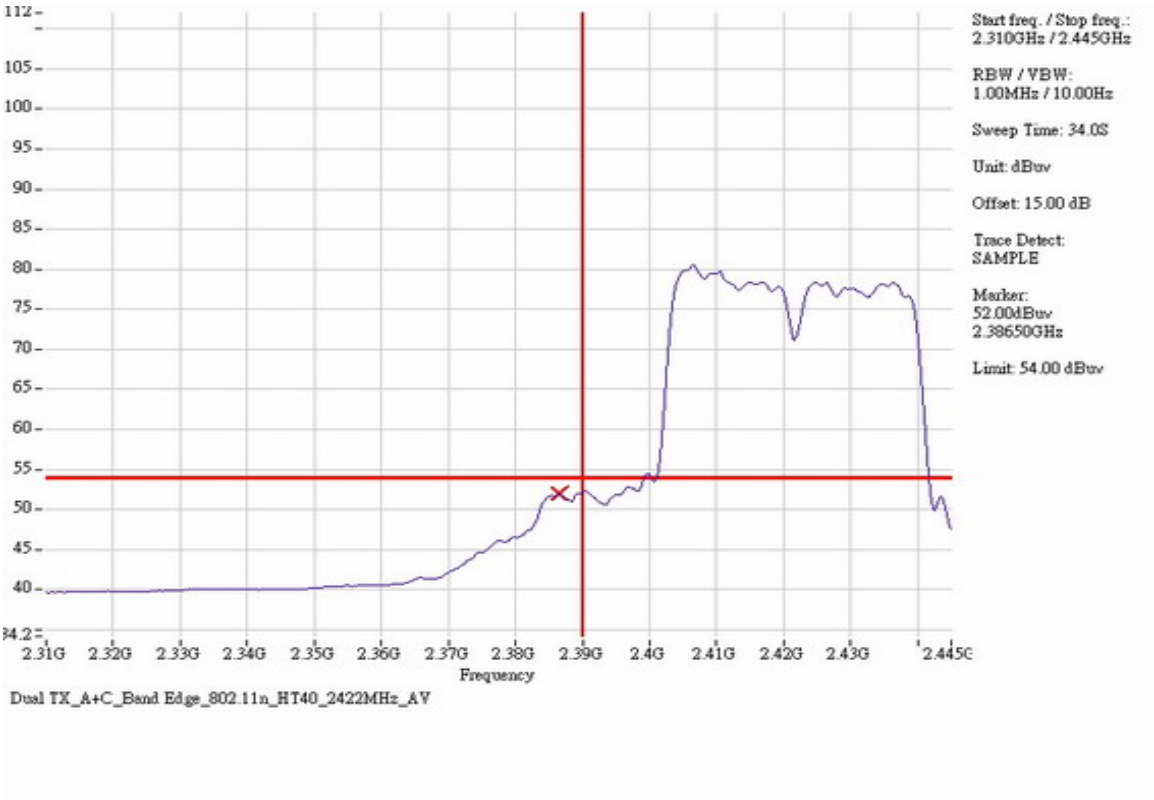
802.11n (HT40) Chain B+C CH9 AV



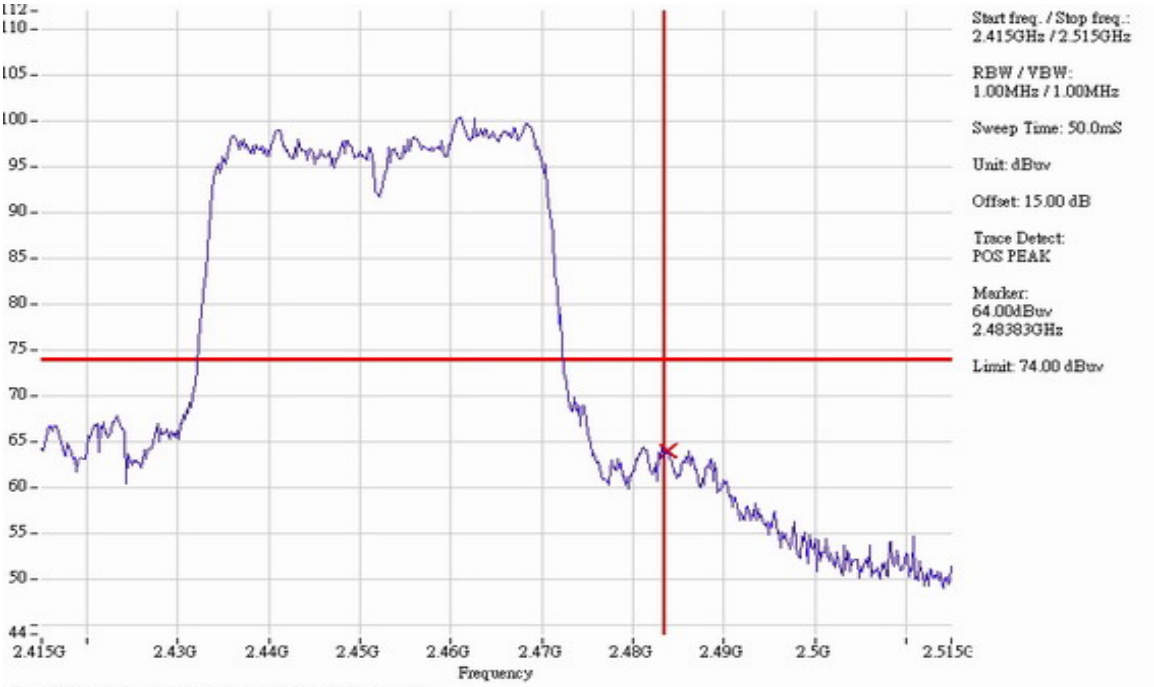
802.11n (HT40) Chain A+C CH3 PK



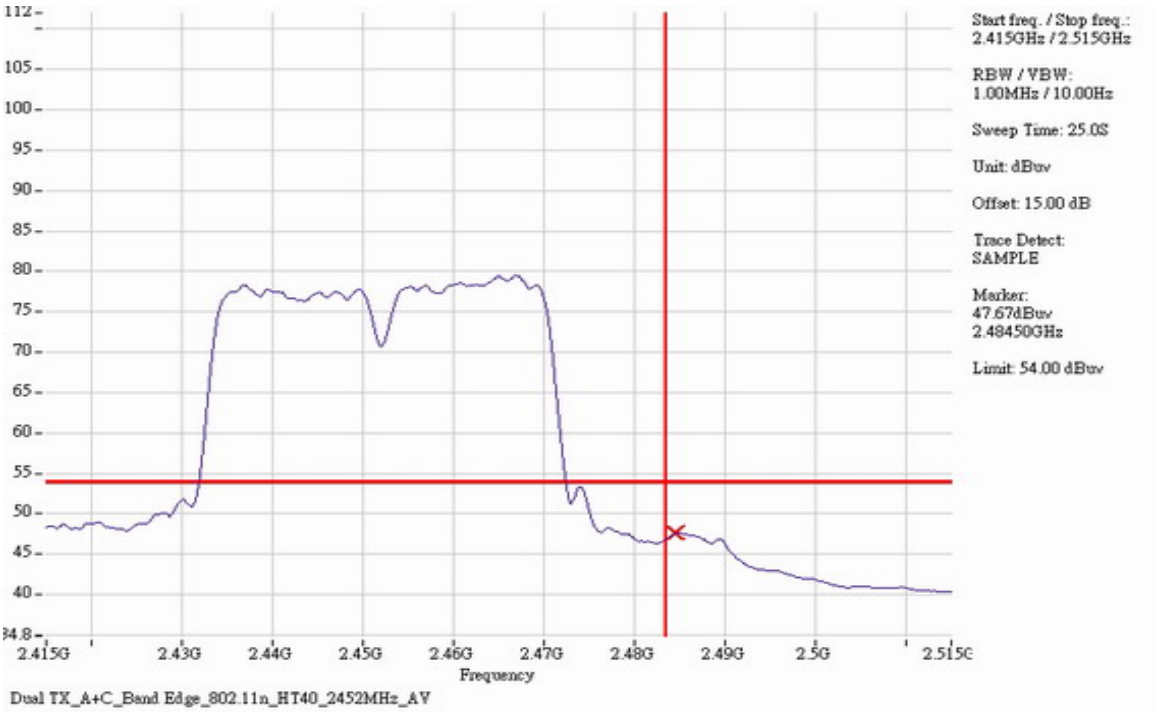
802.11n (HT40) Chain A+C CH9 AV



802.11n (HT40) Chain A+C CH3 PK

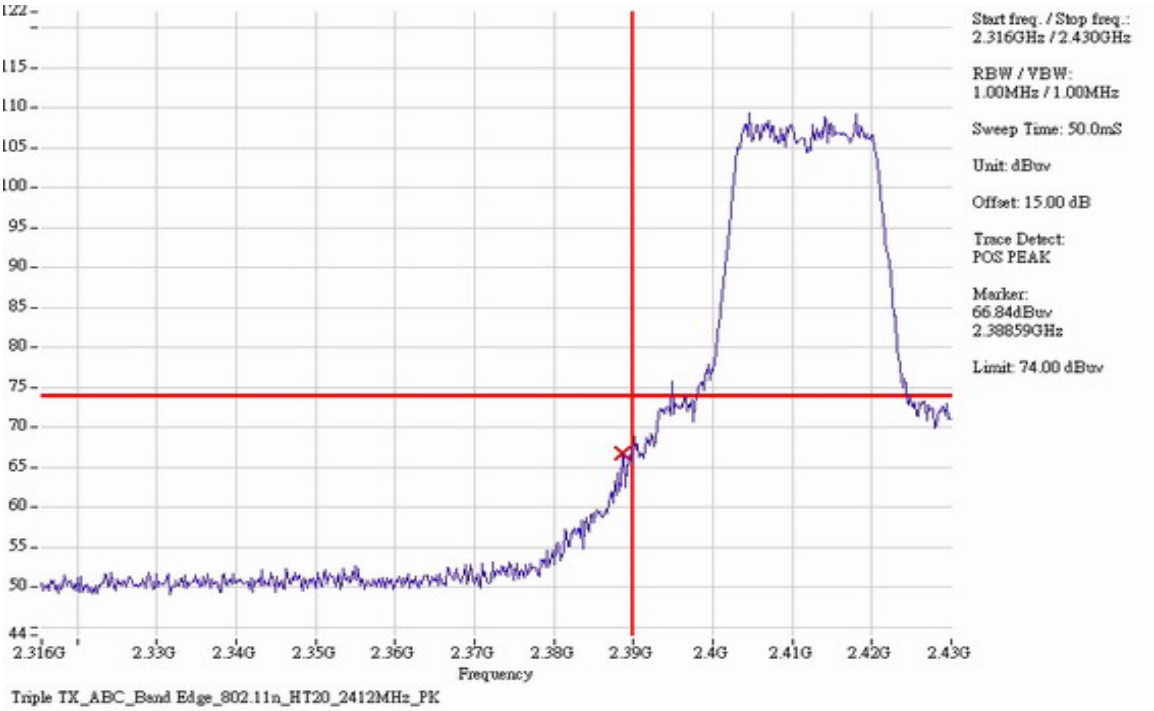


802.11n (HT40) Chain A+C CH9 AV

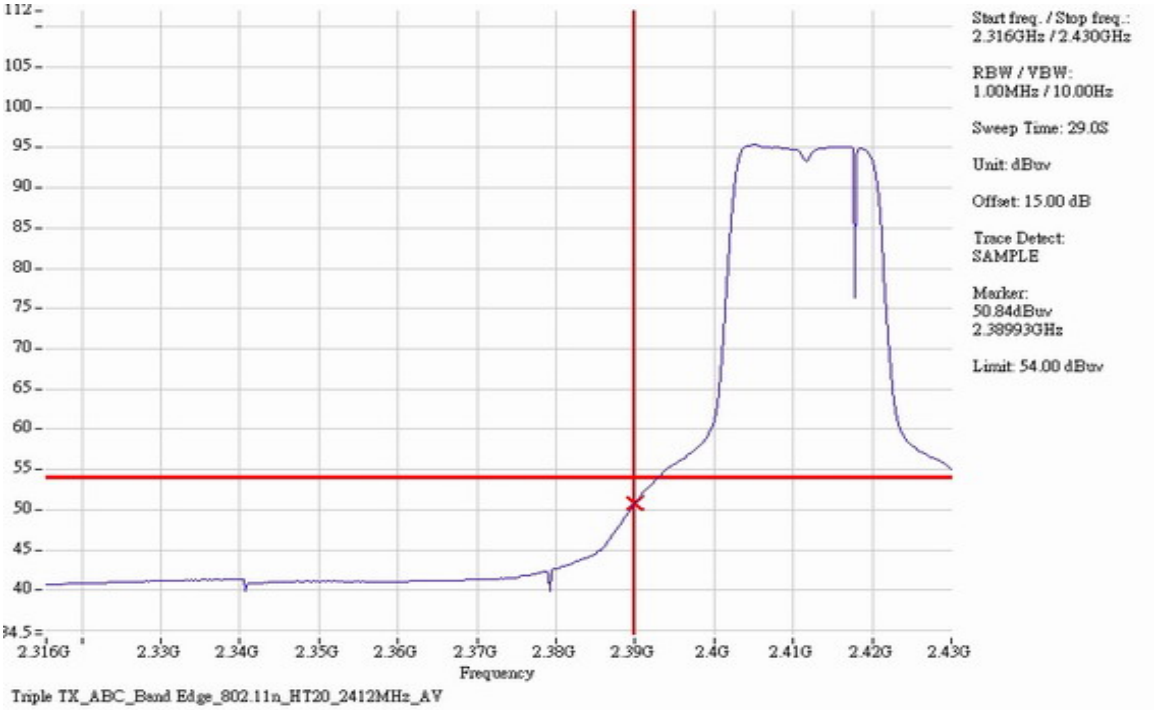


Triple Tx

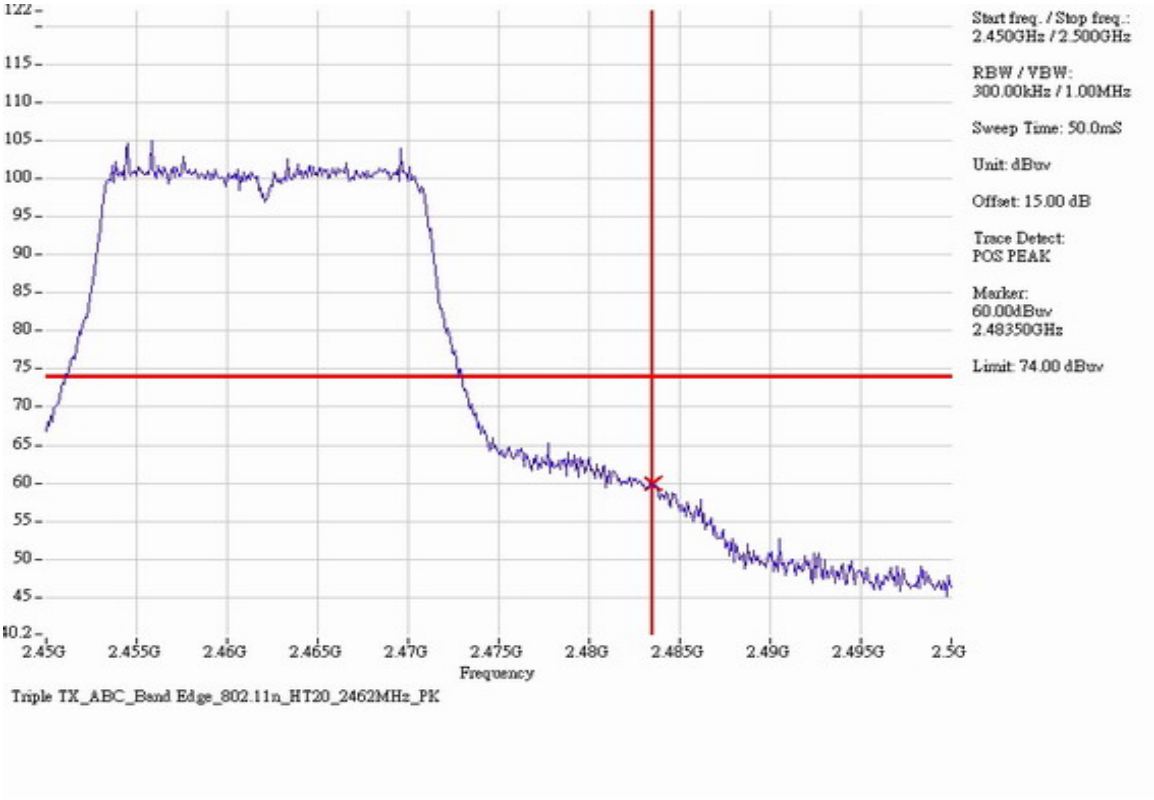
802.11n (HT20) Chain A+B+C CH1 PK



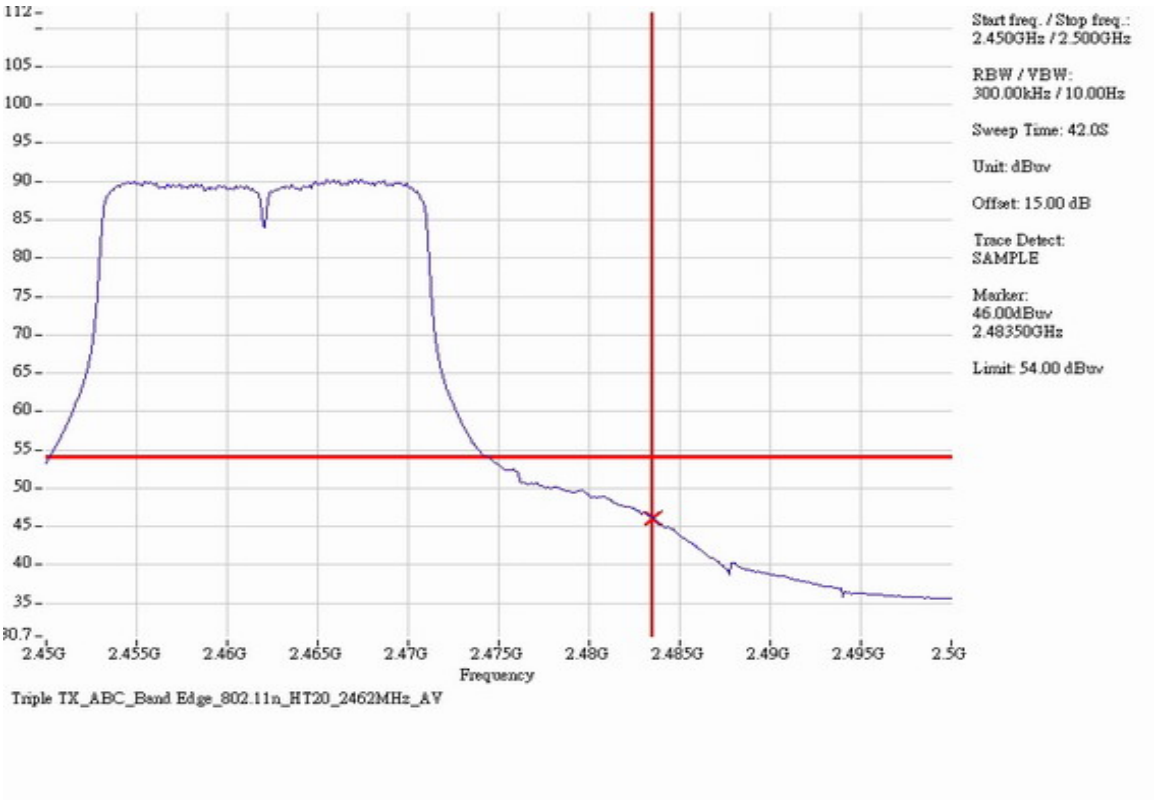
802.11n (HT20) Chain A+B+C CH1 AV



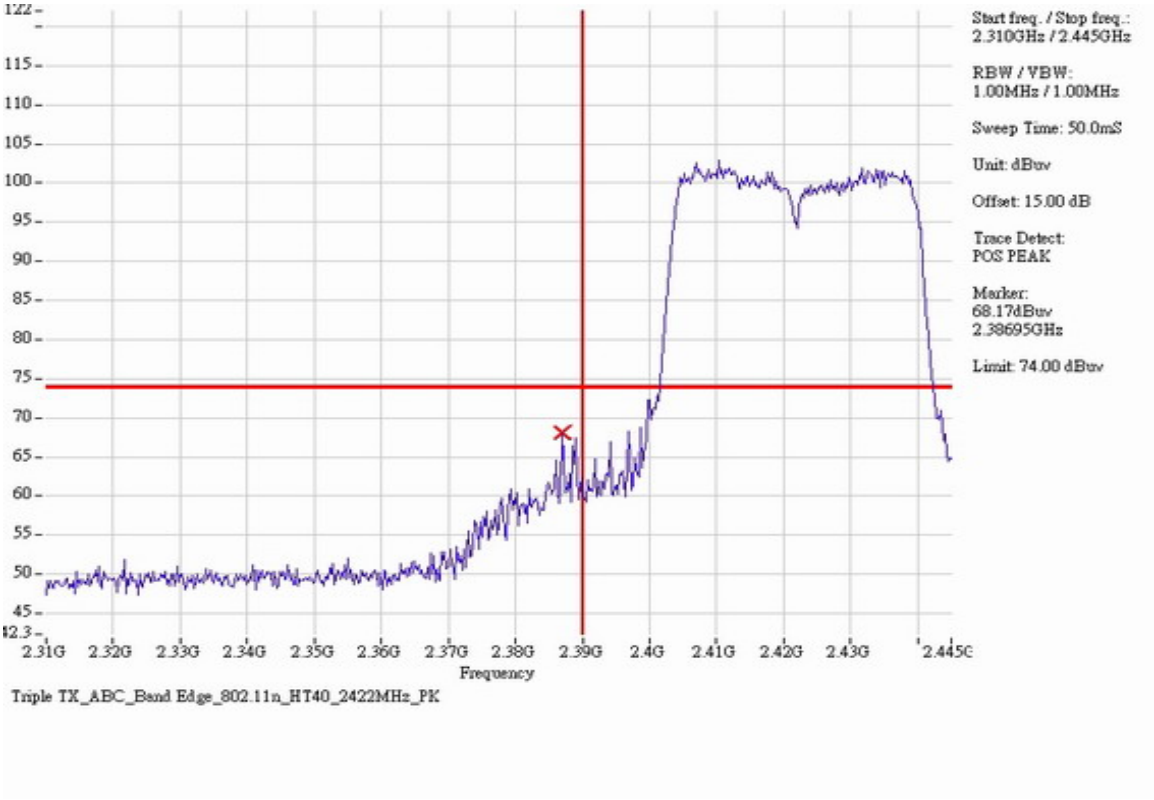
802.11n (HT20) Chain A+B+C CH1 PK



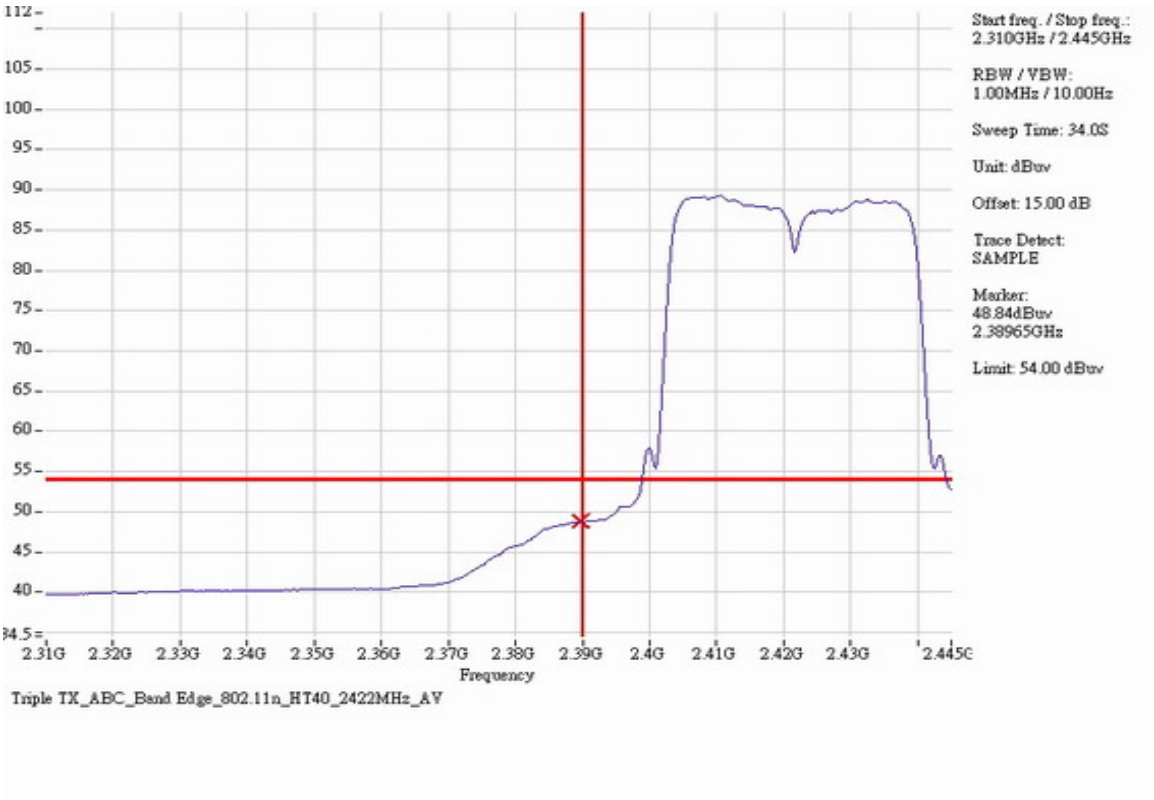
802.11n (HT20) Chain A+B+C CH11 AV



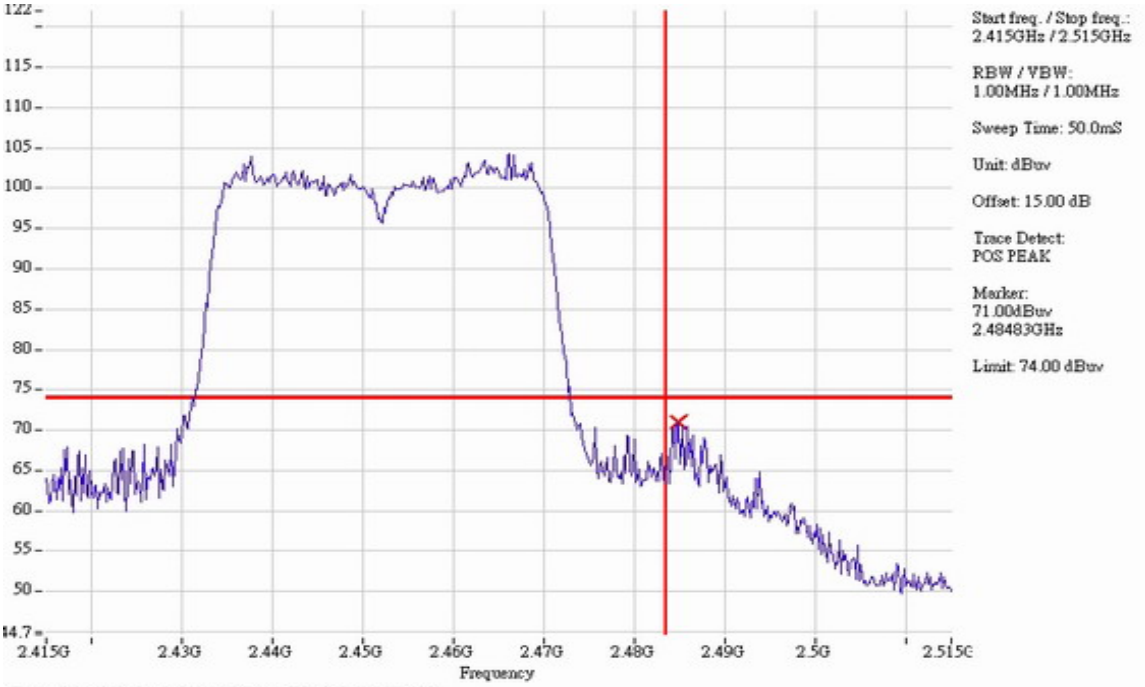
802.11n (HT40) Chain A+B+C CH3 PK



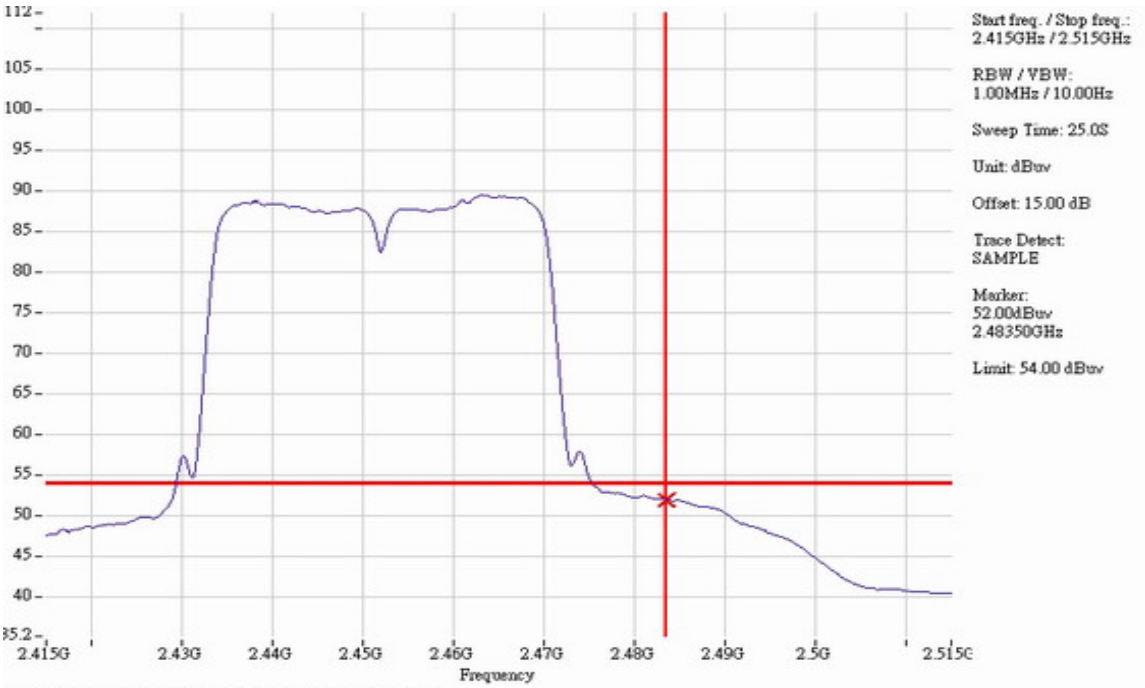
802.11n (HT40) Chain A+B+C CH3 AV



802.11n (HT40) Chain A+B+C CH9 PK



802.11n (HT40) Chain A+B+C CH9 AV

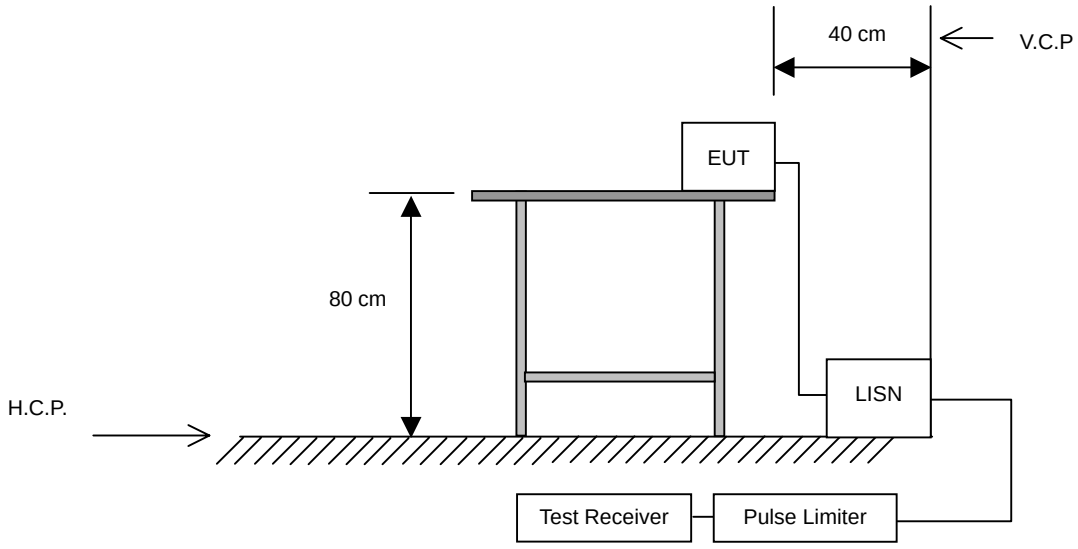


8 AC Power Line Conducted Emission test

8.1 Limit

Frequency (MHz)	Quasi-Peak (dB μV)	Average (dB μV)
0.15 to 0.5	66 to 56	56 to 46
> 0.5 to 5	56	46
> 5 to 30	60	50
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

8.2 Configuration of Measurement



8.3 Test Procedures

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

1) The EUT was placed 80cm height above ground on a non-conductive table and vertical conducting plane located 40cm to the rear of the EUT.
2) The EUT was connected to the main power through Line Impedance Stabilization Networks (LISN). This setup provided a 50ohm/50mH coupling impedance for the measuring equipment. The auxiliary equipment will place in secondary LISN.
3) Both sides (Line and Neutral) of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4/2003 on conducted measurement.

8.4 Test Result

PASS.

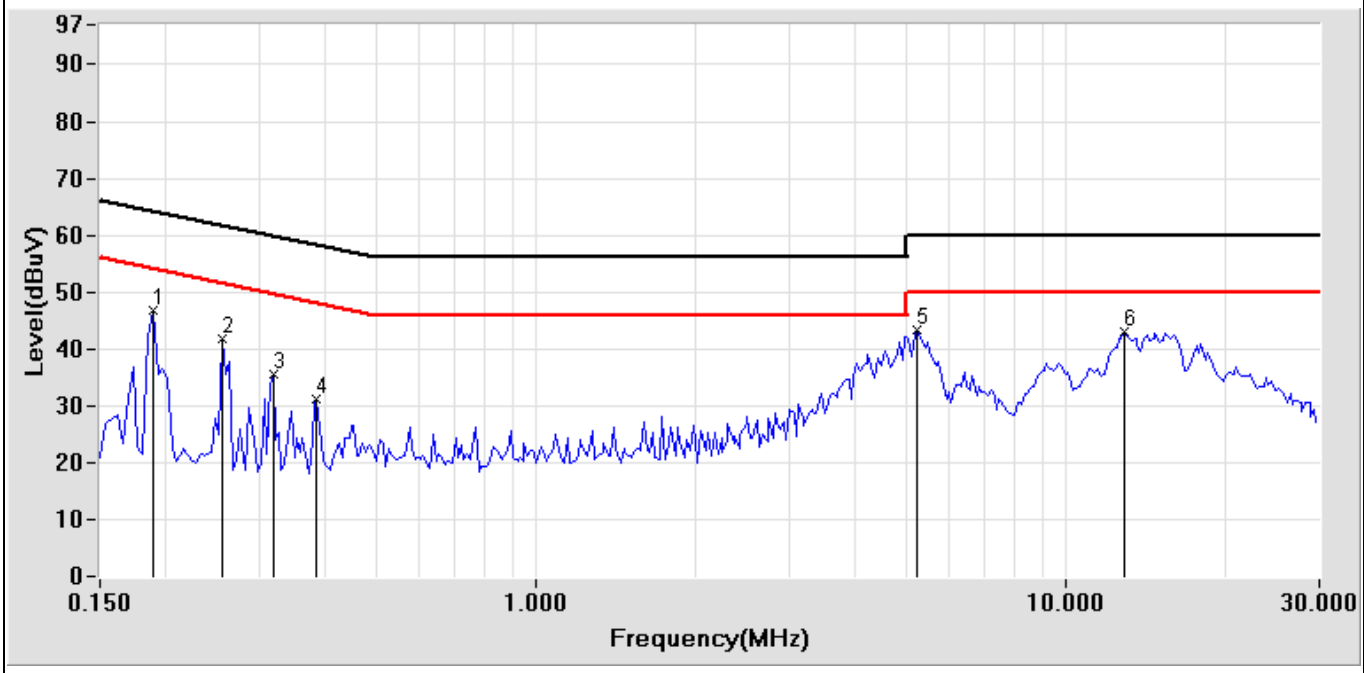
The final test data is shown on as following pages.

Power Line Conducted Test Data

EUT: NoteBook PC	POLARITY: Line
CLIENT: MiTAC	DISTANCE:
MODEL: 9213XY	Serial No.:
RATING: 120V/60Hz	FILE/DATA#: MiTAC.emi/339
Temperature: 25.0 ℃	OPERATOR: VICTOR
Humidity: 64 %	TEST SITE: Conduction1

Frequency	Factor	Meter Reading (dBµV)		Emission Level (dBµV)		Limits (dBµV)		Margin (dB)	
(MHz)	(dB)	Quasi-Peak	Average	Quasi-Peak	Average	Quasi-Peak	Average	Quasi-Peak	Average
0.189	0.13	46.95	37.25	47.08	37.38	64.08	54.08	-17.00	-16.70
0.255	0.13	40.08	30.74	40.21	30.87	61.59	51.59	-21.38	-20.72
0.318	0.13	34.56	27.20	34.69	27.33	59.76	49.76	-25.07	-22.43
0.384	0.14	29.41	21.05	29.55	21.19	58.19	48.19	-28.64	-27.00
5.236	0.34	39.79	34.59	40.13	34.93	60.00	50.00	-19.87	-15.07
12.896	0.67	39.74	34.76	40.41	35.43	60.00	50.00	-19.59	-14.57

Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



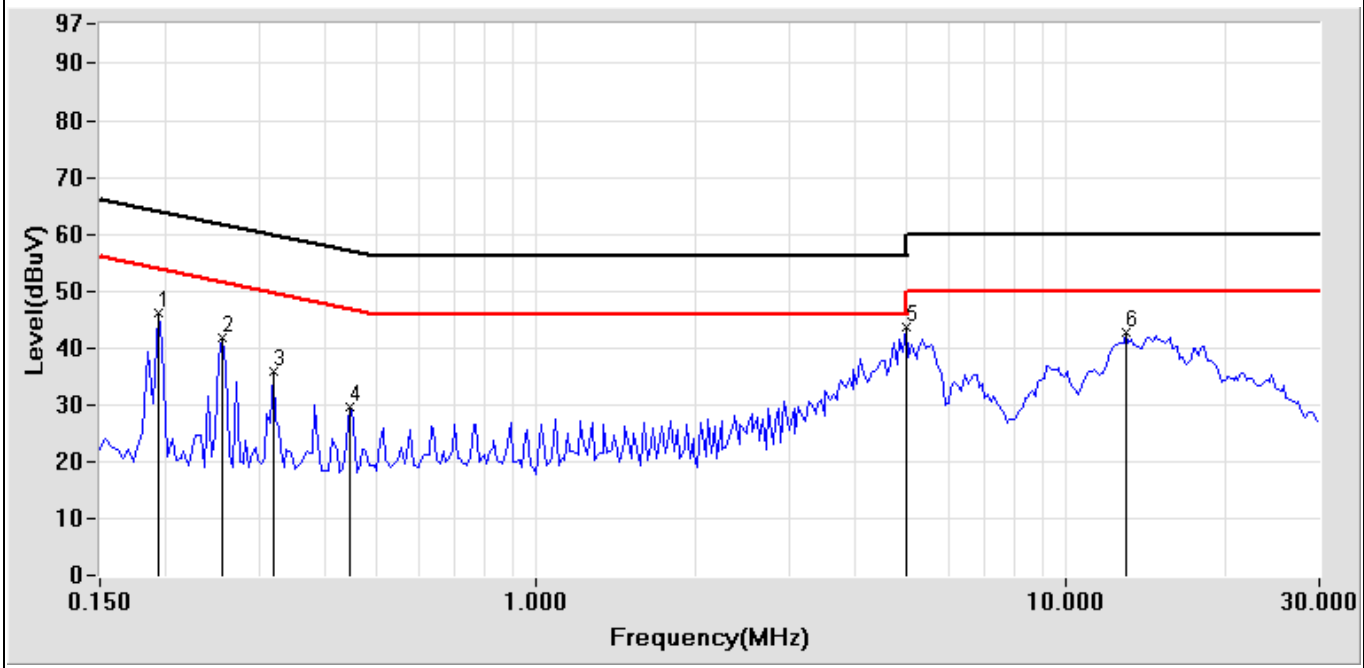
Test Mode: Mode 5: LCD (1280*800, 60Hz) + DVI (1280*800, 60Hz) (SKU A)

Power Line Conducted Test Data

EUT: NoteBook PC	POLARITY: Neutral
CLIENT: MiTAC	DISTANCE:
MODEL: 9213XY	Serial No.:
RATING: 120V/60Hz	FILE/DATA#: MiTAC.emi/340
Temperature: 25.0 ℃	OPERATOR: VICTOR
Humidity: 64 %	TEST SITE: Conduction1

Frequency	Factor	Meter Reading (dBµV)		Emission Level (dBµV)		Limits (dBµV)		Margin (dB)	
(MHz)	(dB)	Quasi-Peak	Average	Quasi-Peak	Average	Quasi-Peak	Average	Quasi-Peak	Average
0.193	0.13	45.03	36.09	45.16	36.22	63.91	53.91	-18.75	-17.69
0.255	0.13	40.37	31.21	40.50	31.34	61.59	51.59	-21.09	-20.25
0.318	0.13	35.27	27.97	35.40	28.10	59.76	49.76	-24.36	-21.66
0.443	0.14	29.96	26.85	30.10	26.99	57.01	47.01	-26.91	-20.02
4.978	0.23	40.49	34.74	40.72	34.97	56.00	46.00	-15.28	-11.03
12.959	0.57	39.05	34.06	39.62	34.63	60.00	50.00	-20.38	-15.37

Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



Test Mode: Mode 5: LCD (1280*800, 60Hz) + DVI (1280*800, 60Hz) (SKU A)