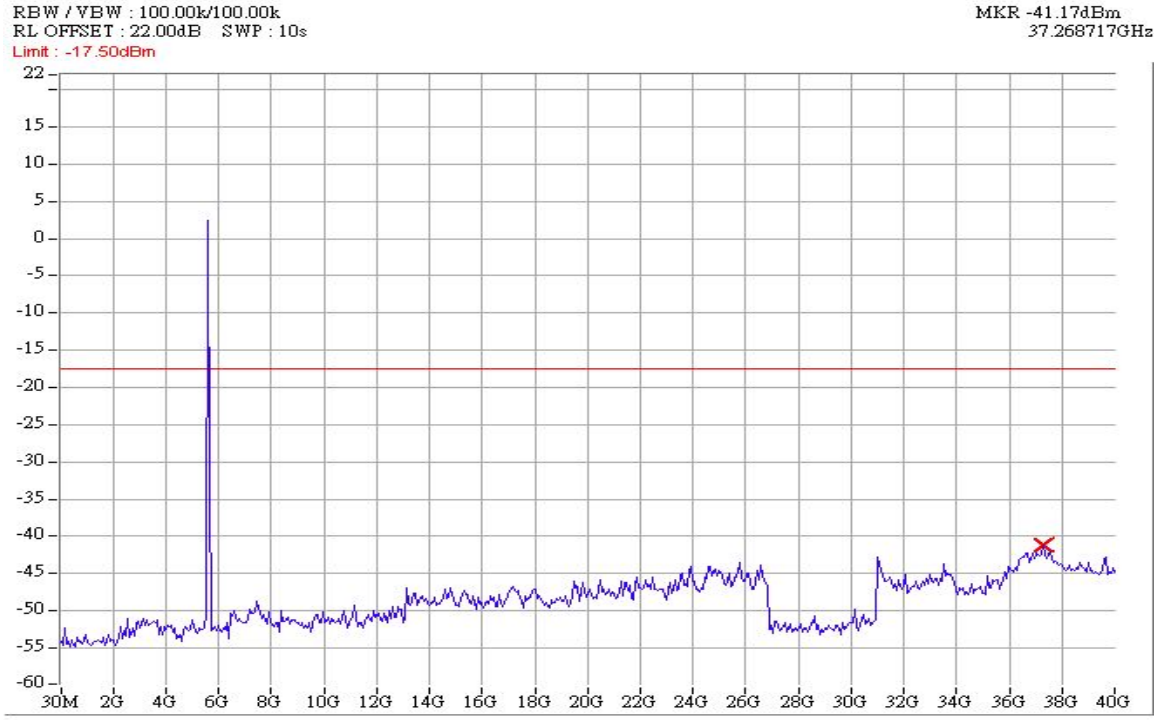
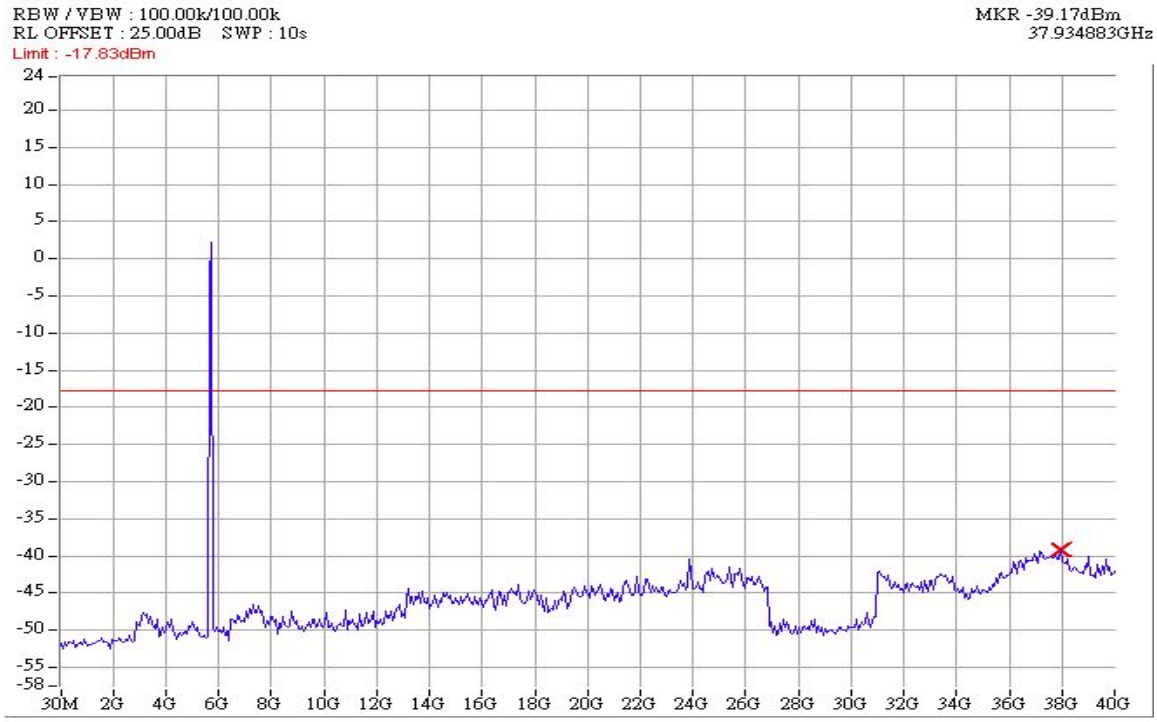
802.11 n (HT20) Chain C CH120 5600MHz



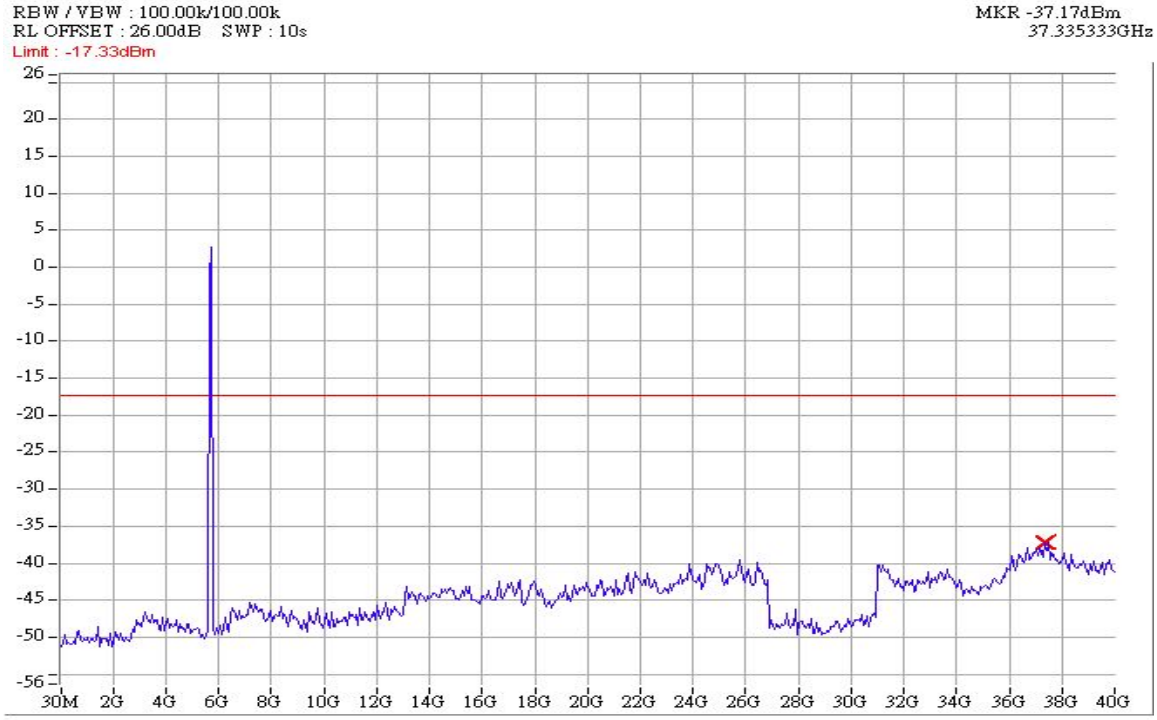
Conducted spurious Chain C 5600MHz HT20

802.11 n (HT20) Chain A CH140 5700MHz



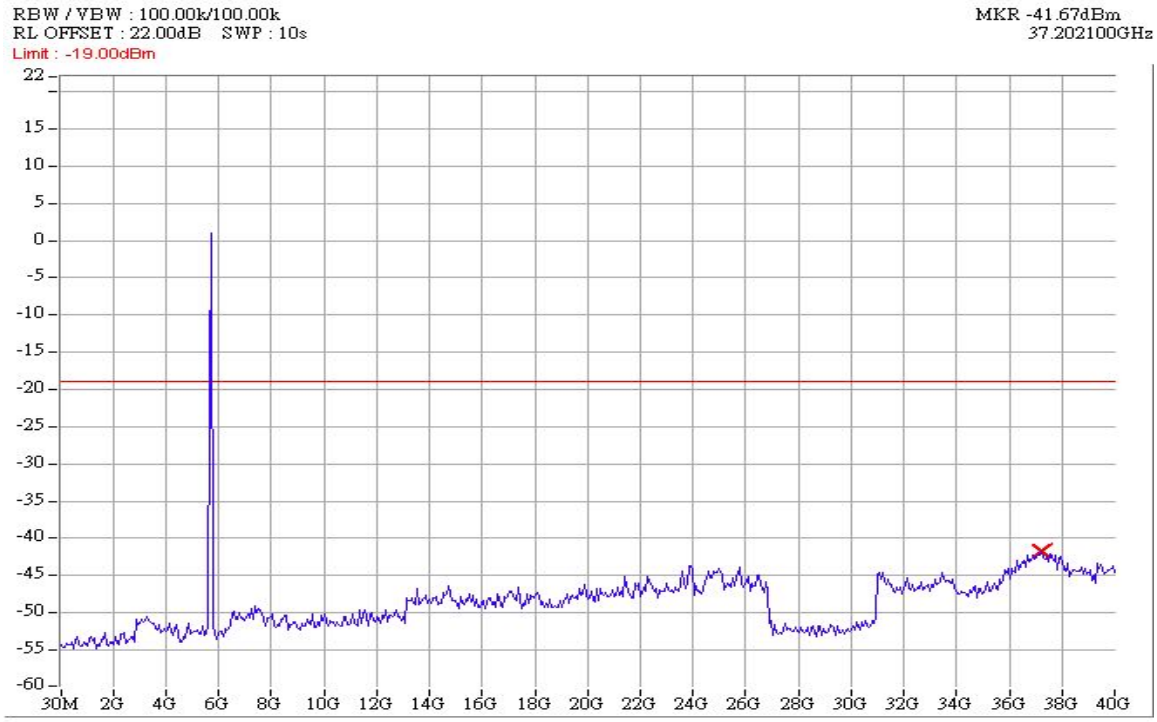
Conducted spurious Chain A 5700MHz HT20

802.11 n (HT20) Chain B CH140 5700MHz



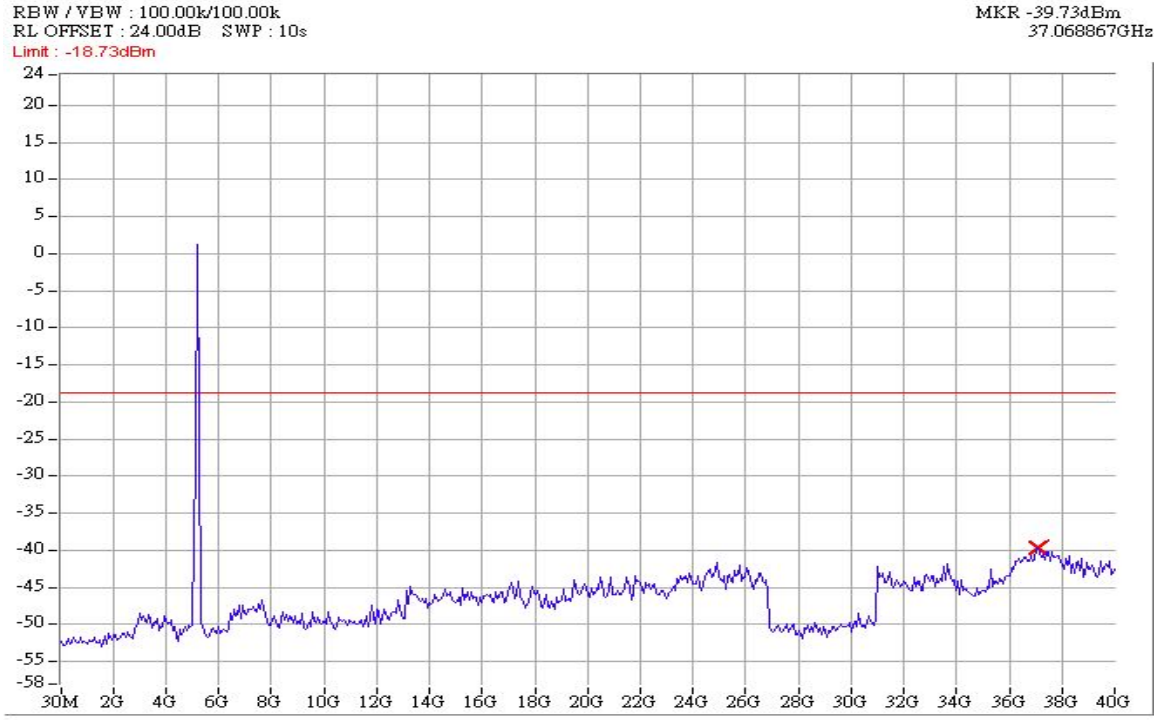
Conducted spurious Chain B 5700MHz HT20

802.11 n (HT20) Chain C CH140 5700MHz



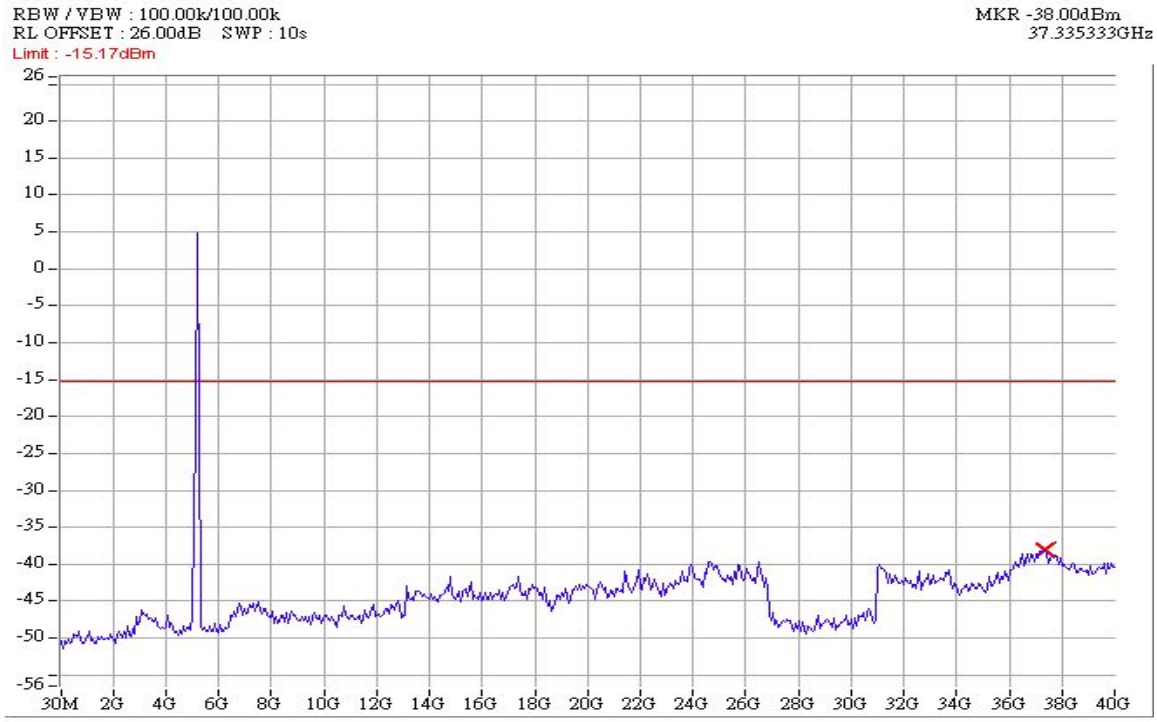
Conducted spurious Chain C 5700MHz HT20

802.11 n (HT40) Chain A CH38 5190MHz



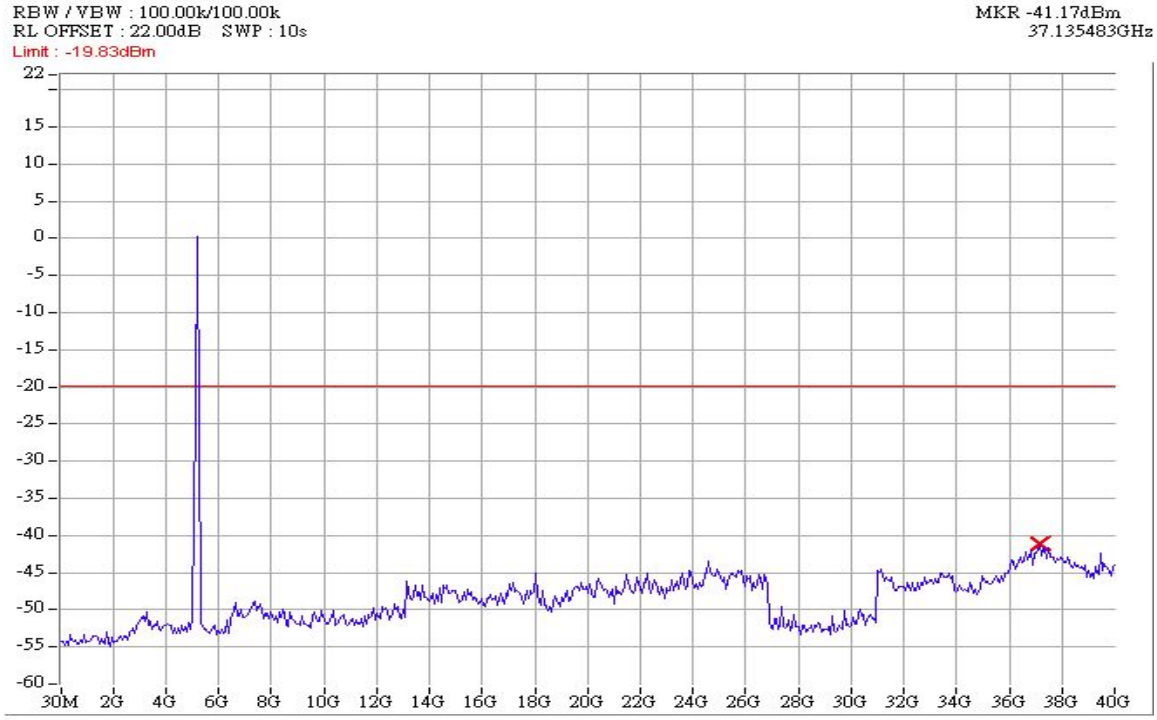
Conducted spurious Chain A 5190MHz HT40

802.11 n (HT40) Chain B CH38 5190MHz



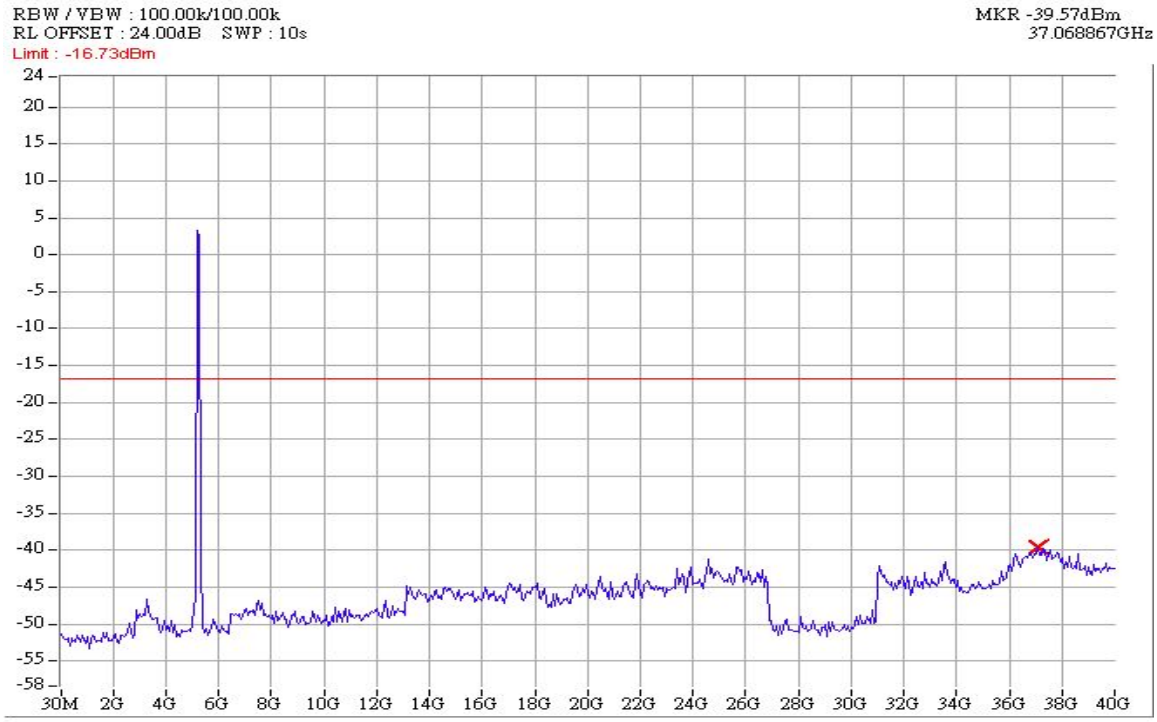
Conducted spurious Chain B 5190MHz HT40

802.11 n (HT40) Chain C CH38 5190MHz



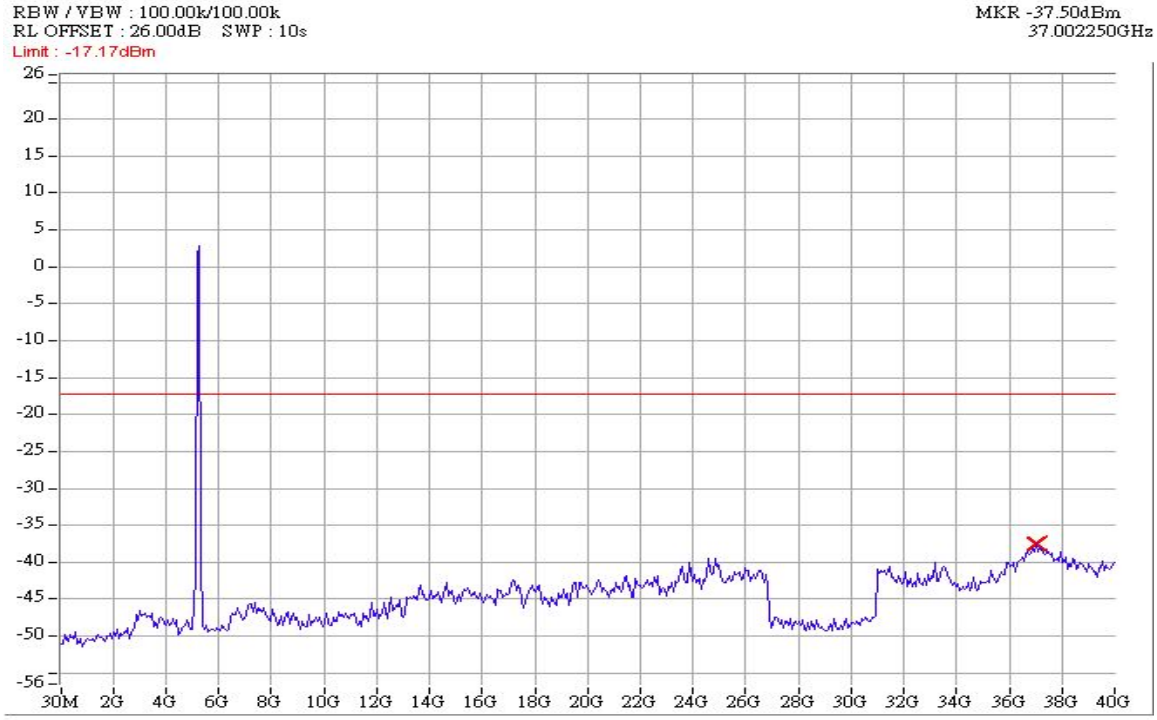
Conducted spurious Chain C 5190MHz HT40

802.11 n (HT40) Chain A CH46 5230MHz



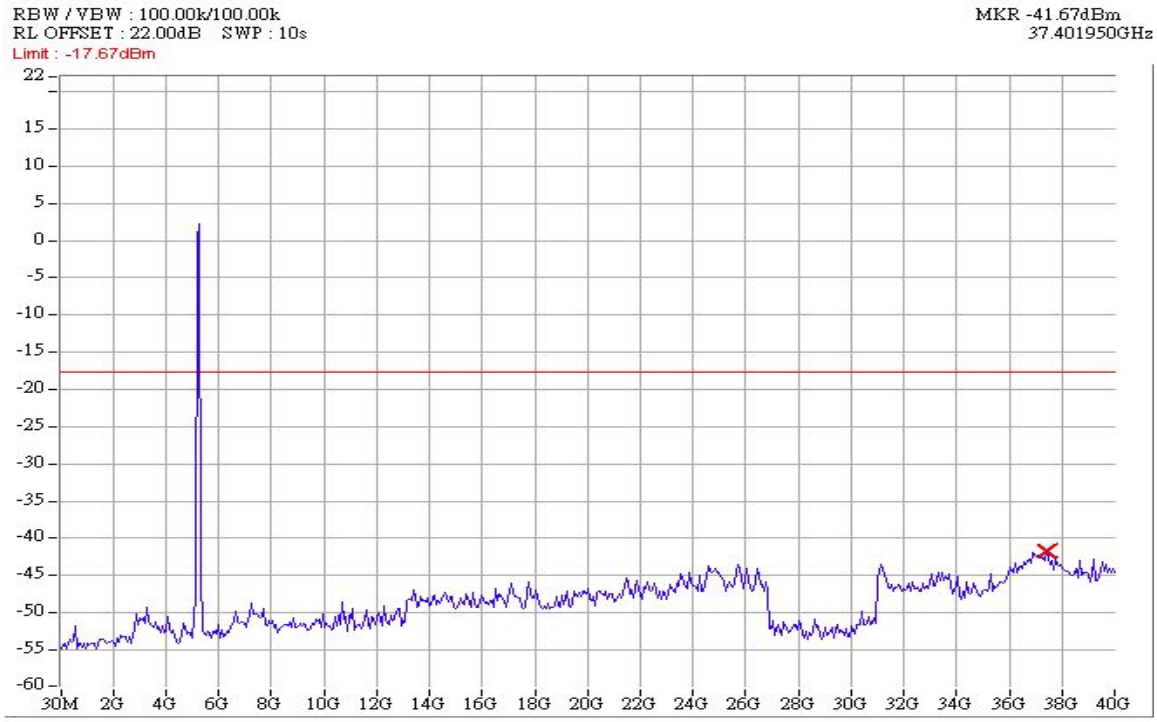
Conducted spurious Chain A 5230MHz HT40

802.11 n (HT40) Chain B CH46 5230MHz



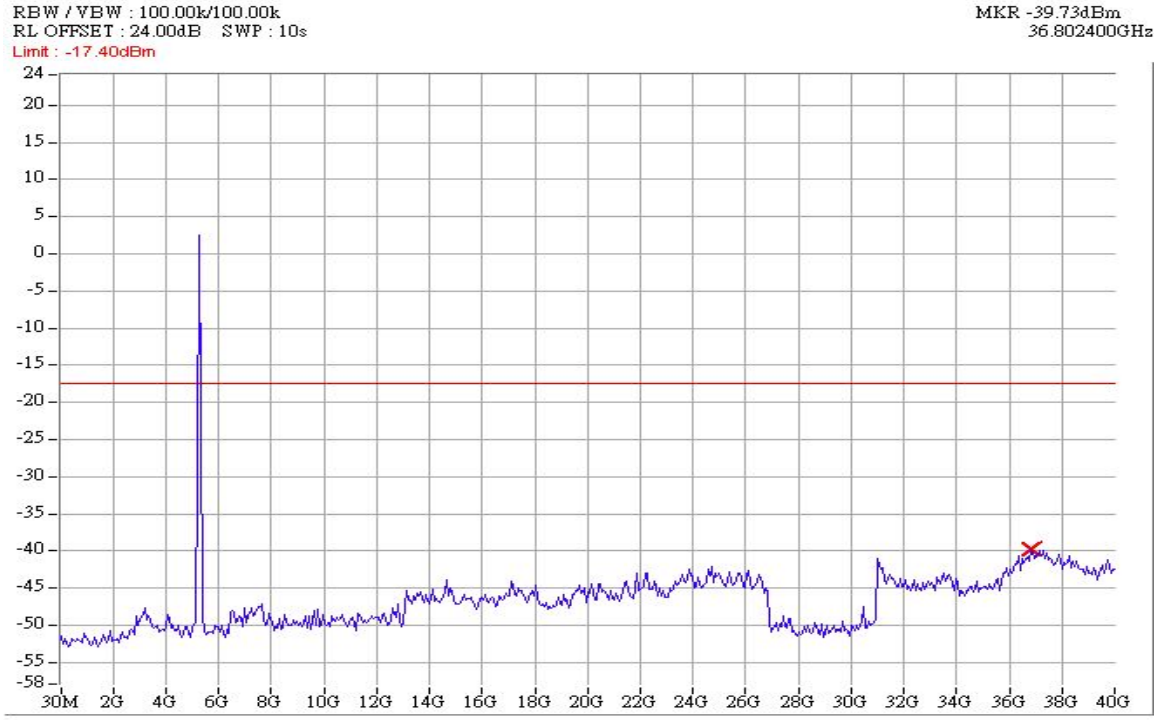
Conducted spurious Chain B 5230MHz HT40

802.11 n (HT40) Chain C CH46 5230MHz



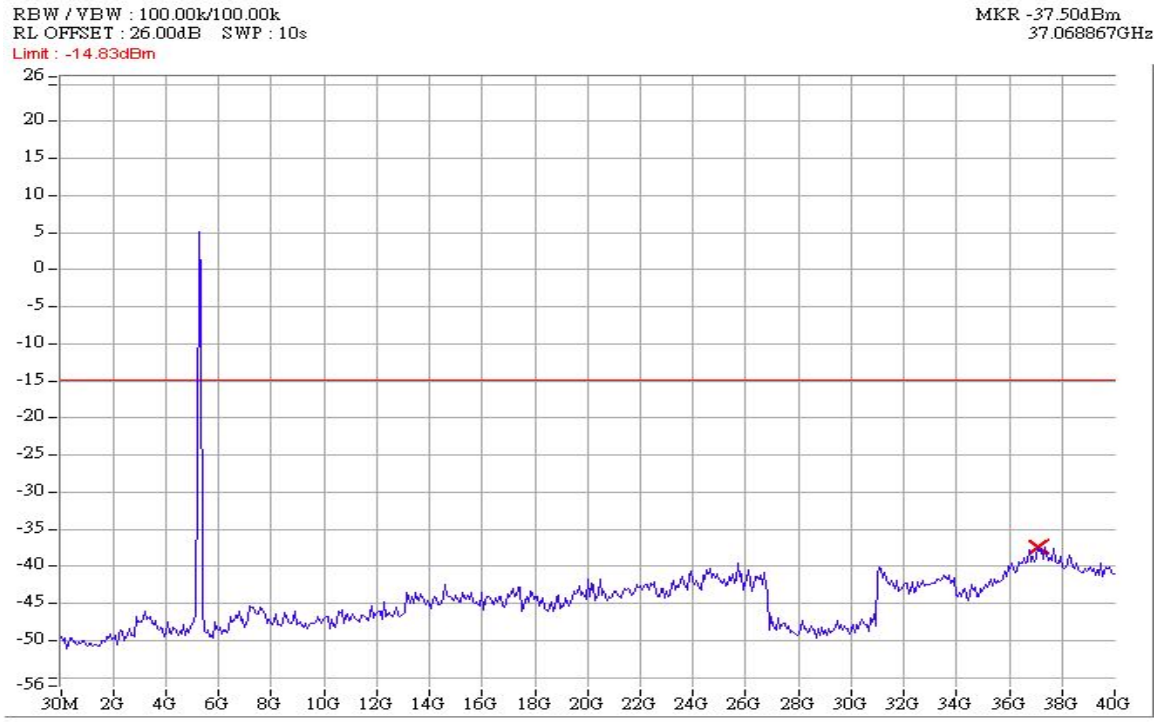
Conducted spurious Chain C 5230MHz HT40

802.11 n (HT40) Chain A CH54 5270MHz



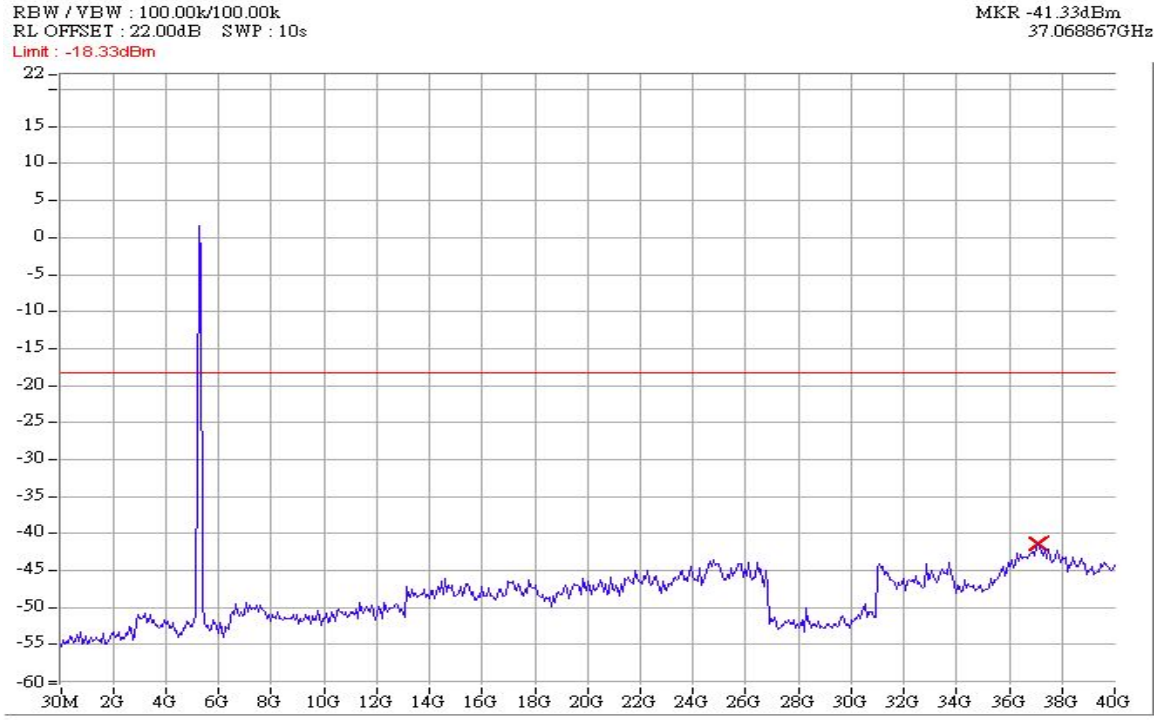
Conducted spurious Chain A 5270MHz HT40

802.11 n (HT40) Chain B CH54 5270MHz



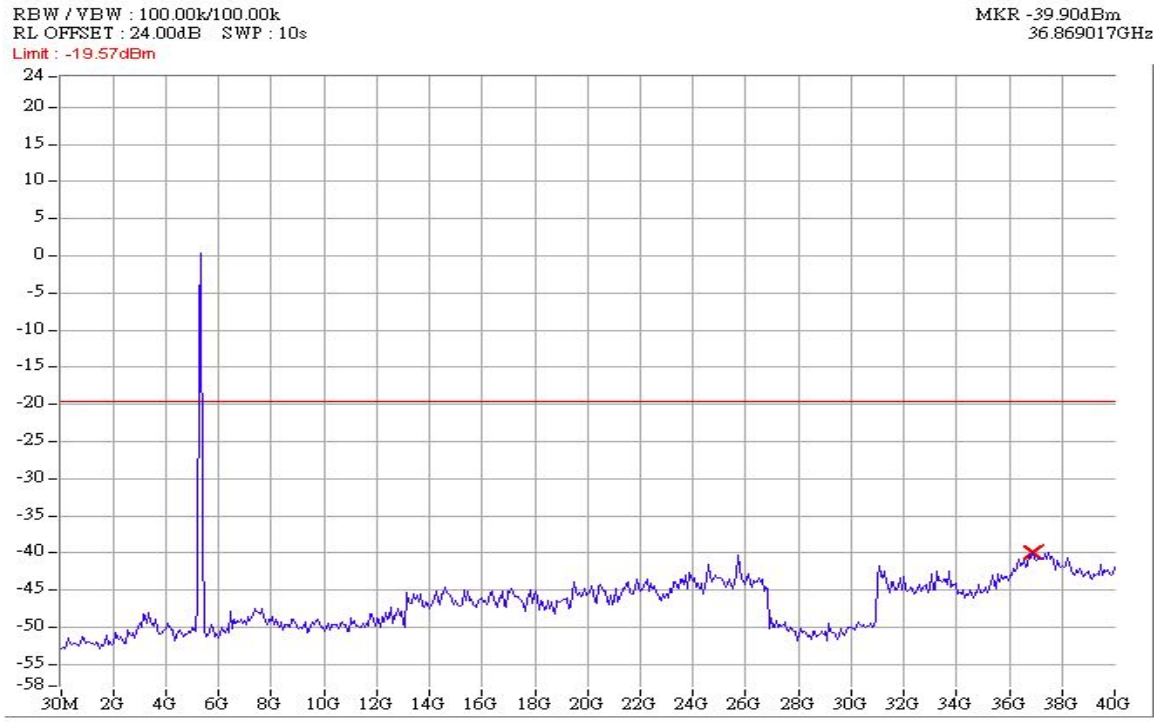
Conducted spurious Chain B 5270MHz HT40

802.11 n (HT40) Chain C CH54 5270MHz



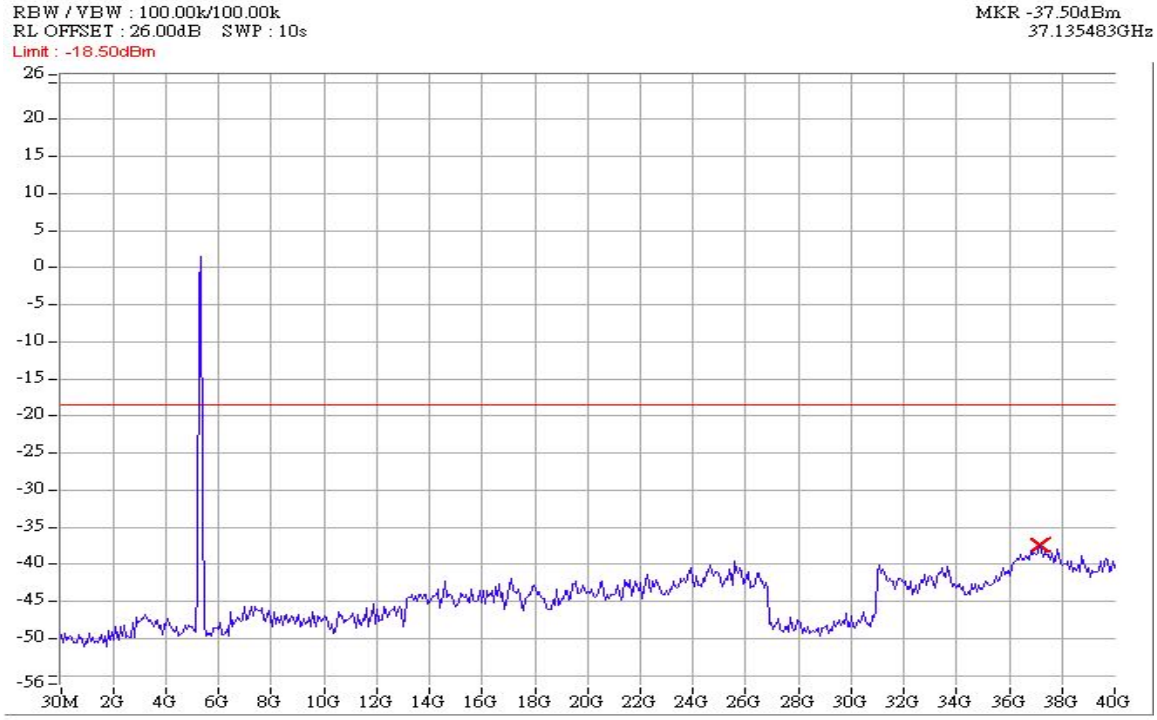
Conducted spurious Chain C 5270MHz HT40

802.11 n (HT40) Chain A CH62 5310MHz



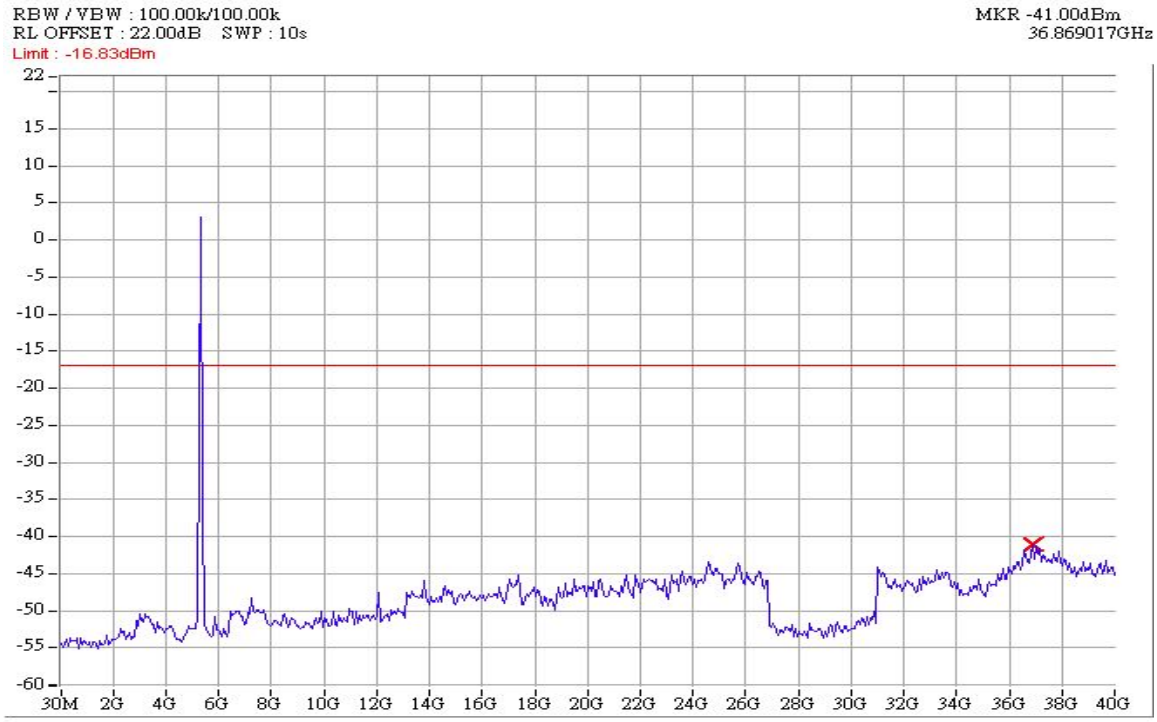
Conducted spurious Chain A 5310MHz HT40

802.11 n (HT40) Chain B CH62 5310MHz



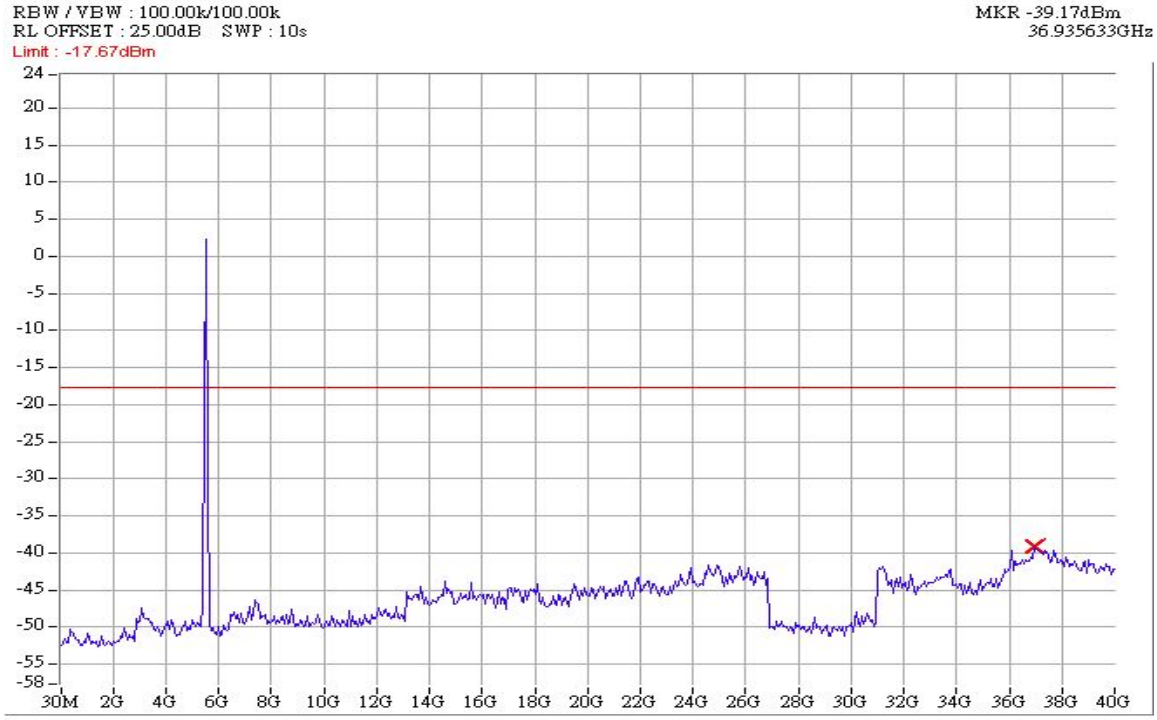
Conducted spurious Chain B 5310MHz HT40

802.11 n (HT40) Chain C CH62 5310MHz



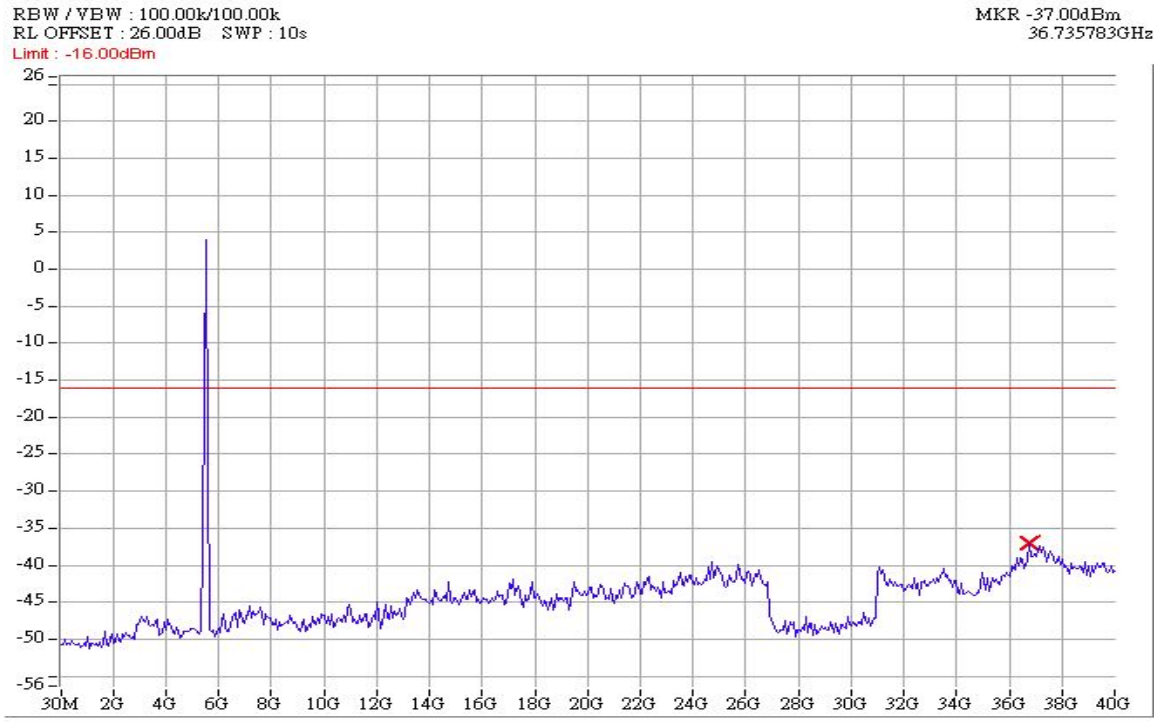
Conducted spurious Chain C 5310MHz HT40

802.11 n (HT40) Chain A CH102 5510MHz



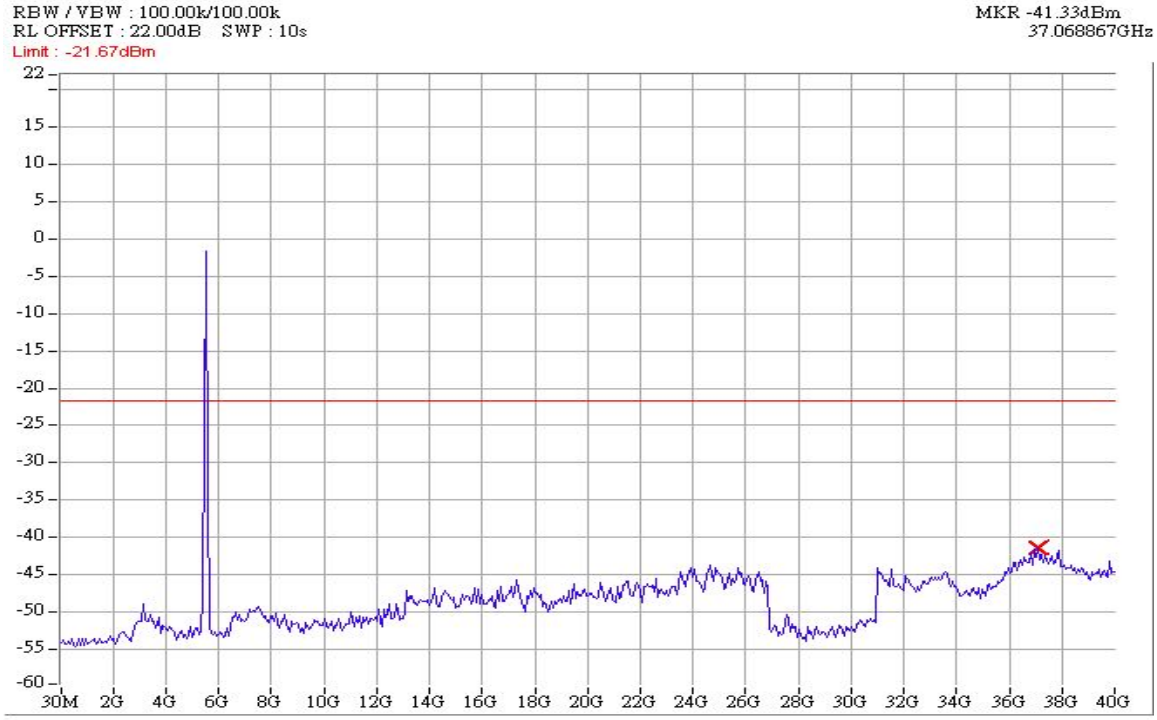
Conducted spurious Chain A 5510MHz HT40

802.11 n (HT40) Chain B CH102 5510MHz



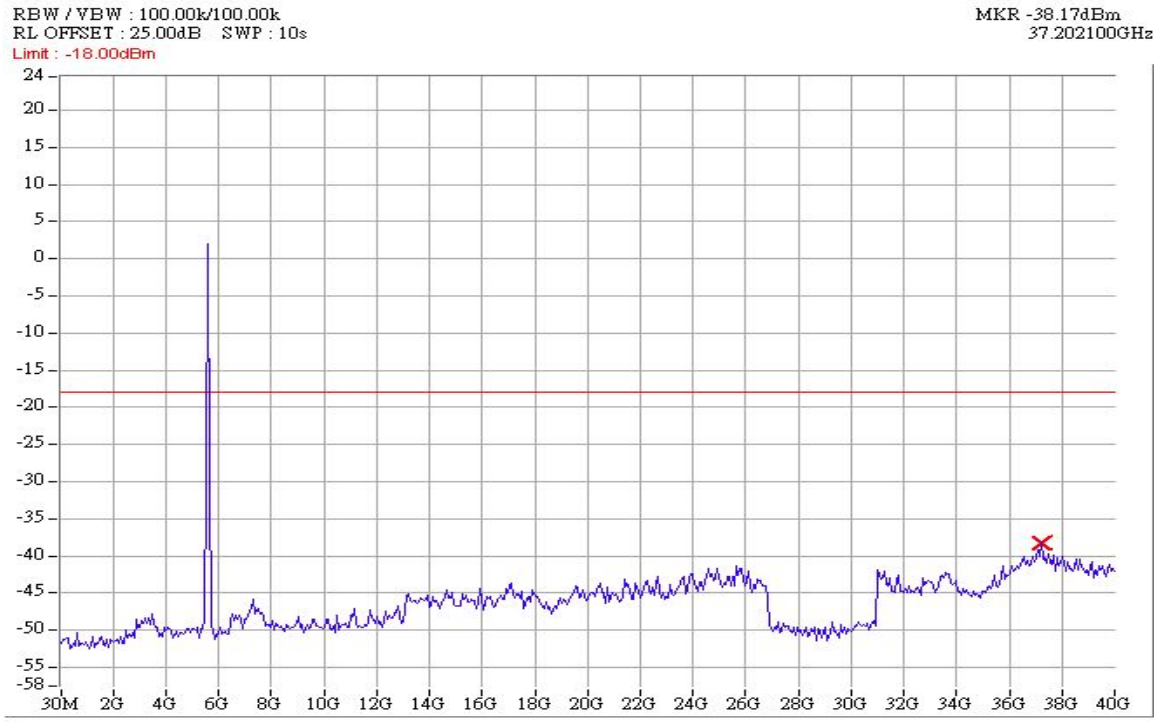
Conducted spurious Chain B 5510MHz HT40

802.11 n (HT40) Chain C CH102 5510MHz



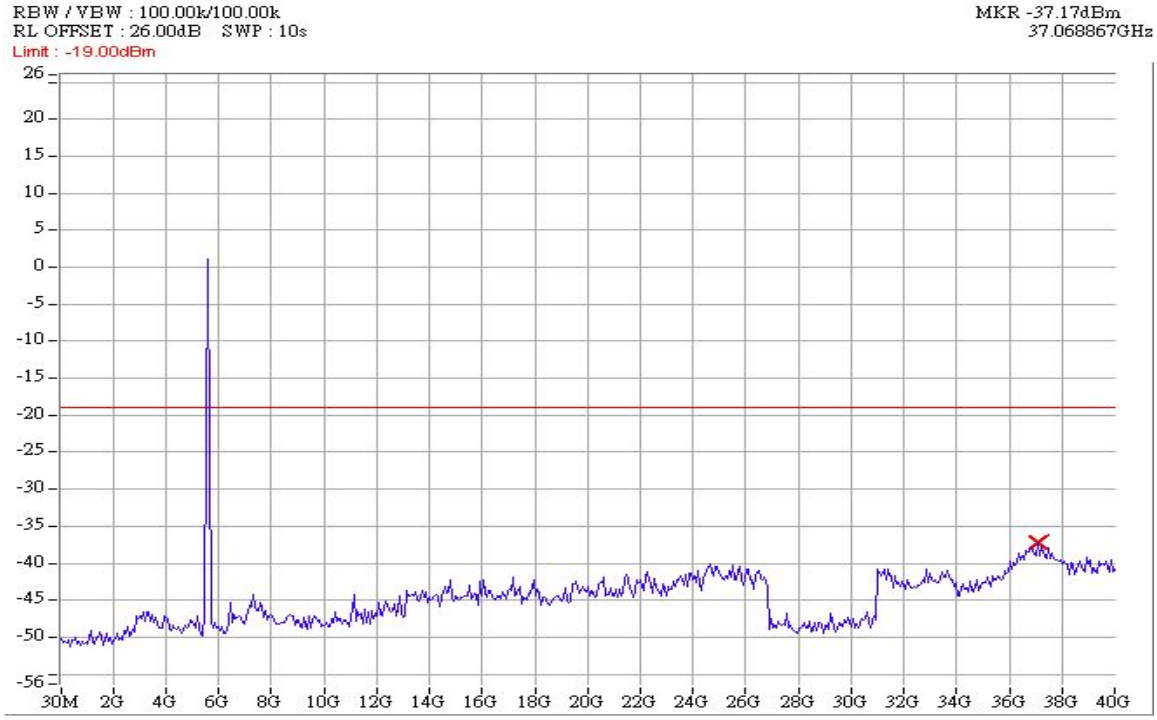
Conducted spurious Chain C 5510MHz HT40

802.11 n (HT40) Chain A CH118 5590MHz



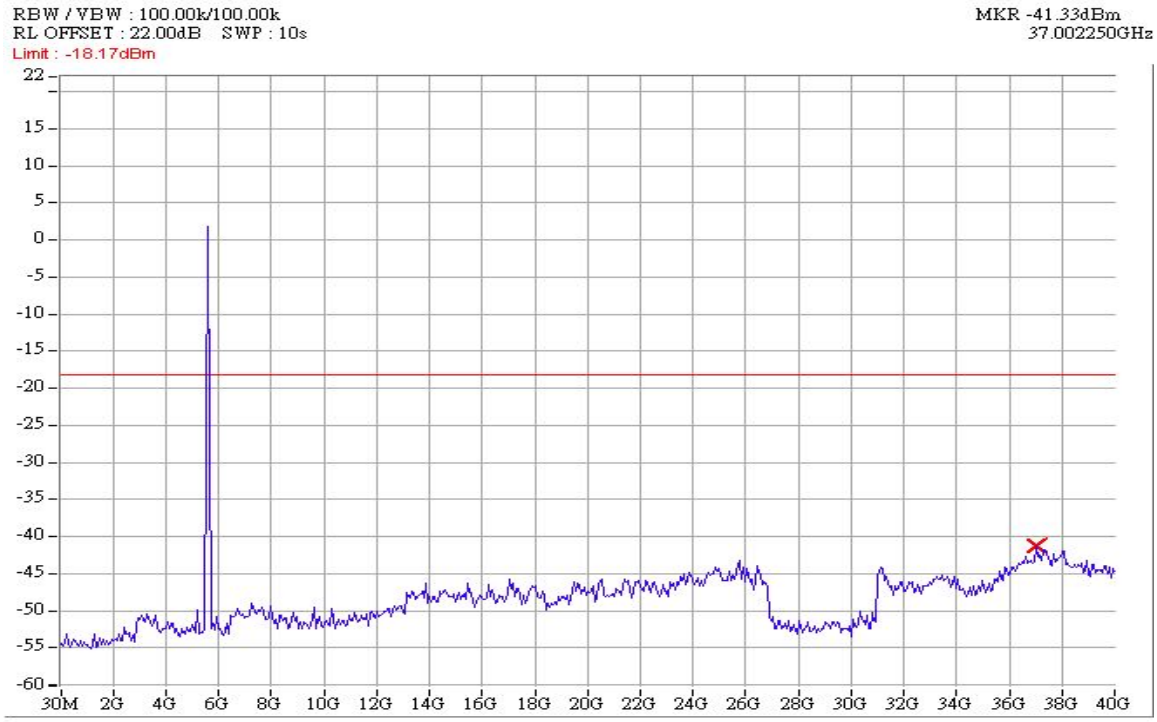
Conducted spurious Chain A 5590MHz HT40

802.11 n (HT40) Chain B CH118 5590MHz



Conducted spurious Chain B 5590MHz HT40

802.11 n (HT40) Chain C CH118 5590MHz

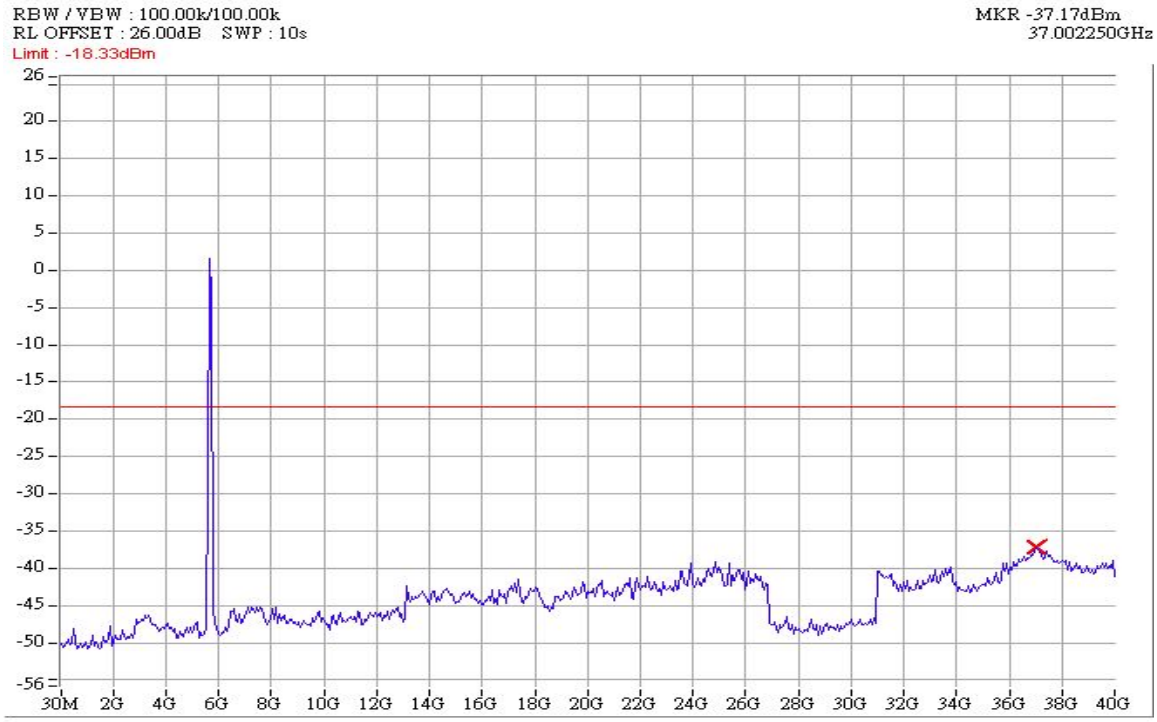


Conducted spurious Chain C 5590MHz HT40

802.11 n (HT40) Chain A CH134 5670MHz

Conducted spurious Chain A 5670MHz HT40

802.11 n (HT40) Chain B CH134 5670MHz



Conducted spurious Chain B 5670MHz HT40

802.11 n (HT40) Chain C CH134 5670MHz

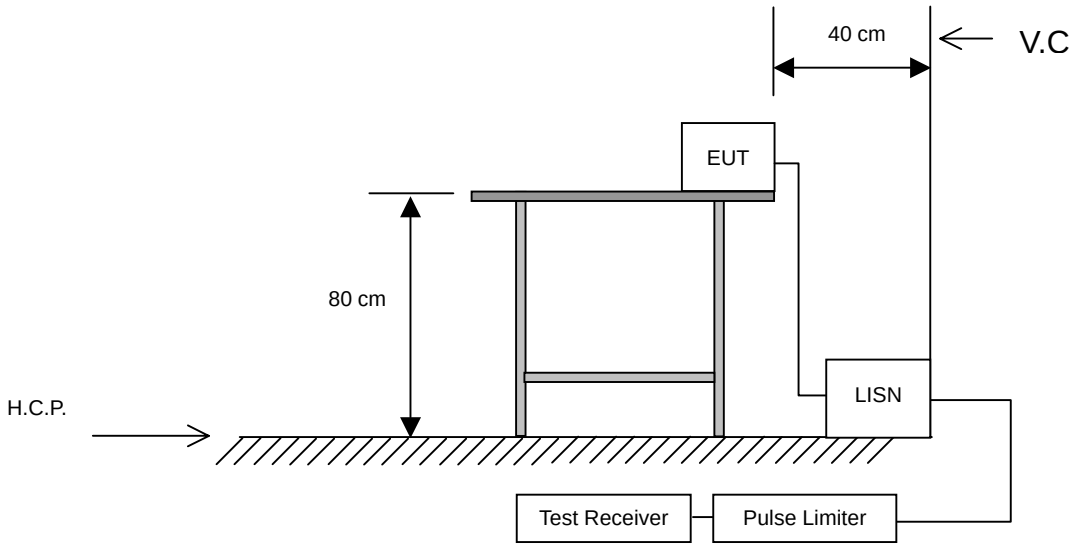
Conducted spurious Chain C 5670MHz HT40

10 AC Power Line Conducted Emission test

10.1 Limits

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.		

10.2 Configuration of Measurement



10.3 Test Procedures

10.3.1 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.

10.3.2 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.

10.3.3 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.

10.4 Test Result

PASS.

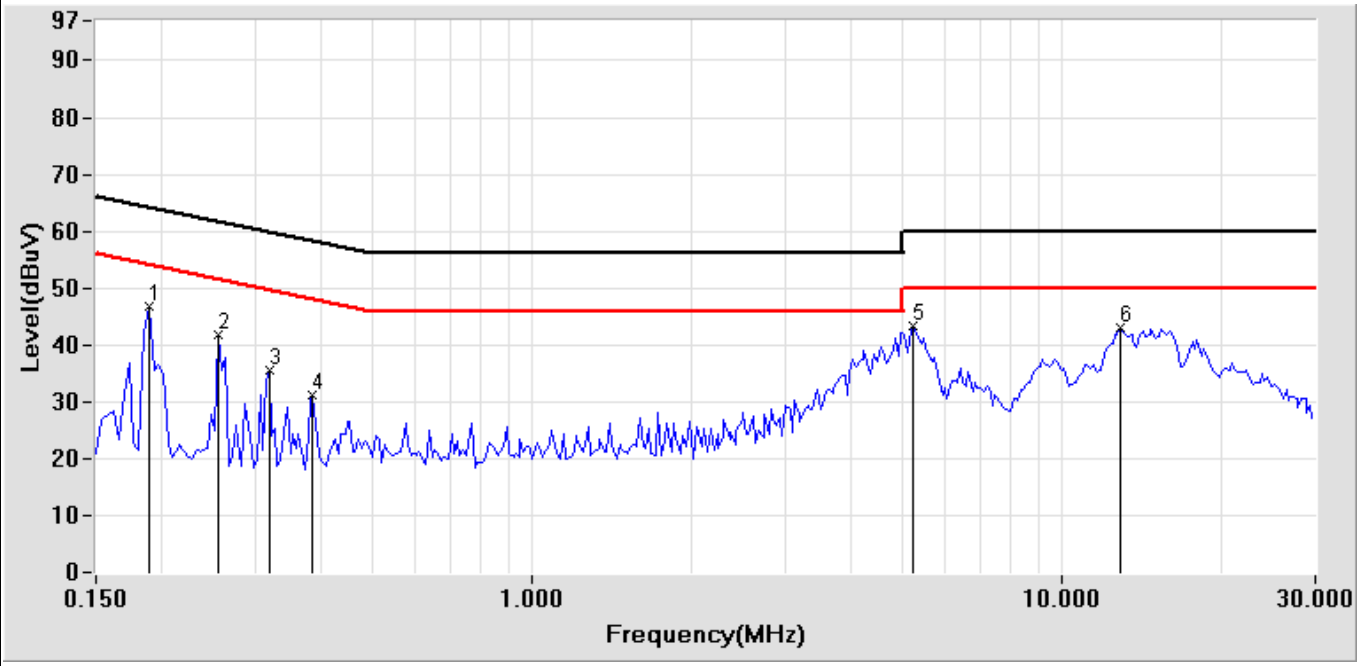
The final test data is shown on as following pages.

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.



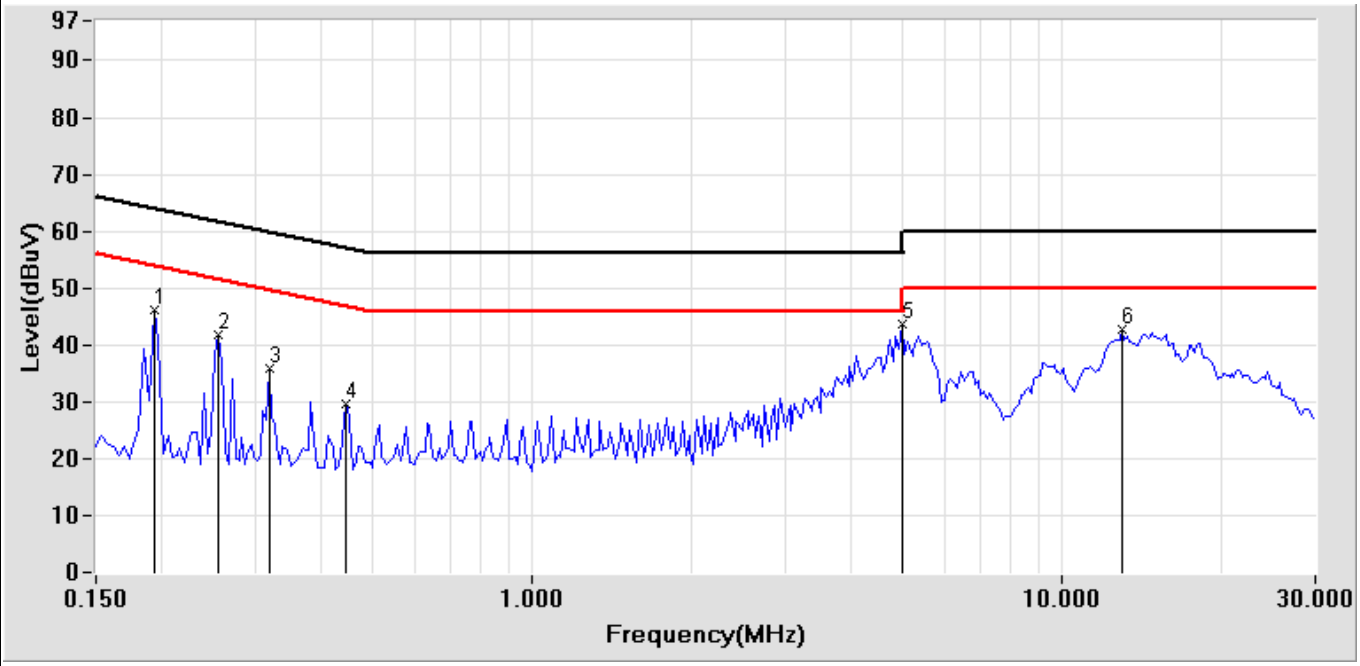
Test Mode: Mode 5: LCD (1280*800, 60Hz) + DVI (1280*800, 60Hz) (SKU A)

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)