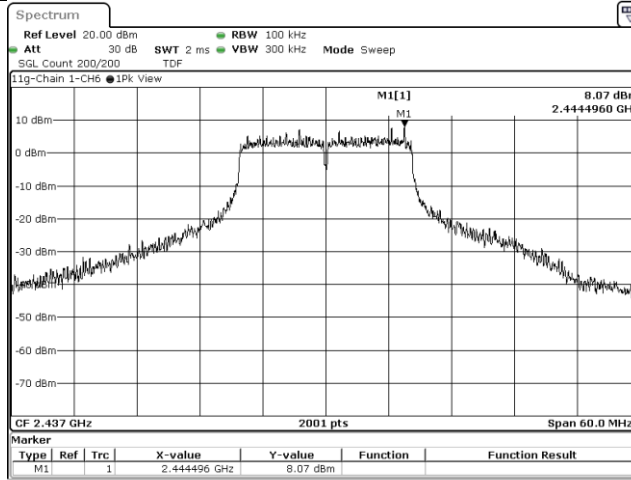
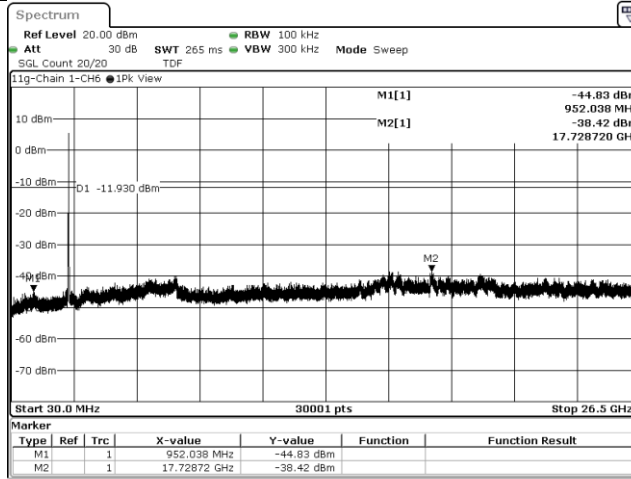




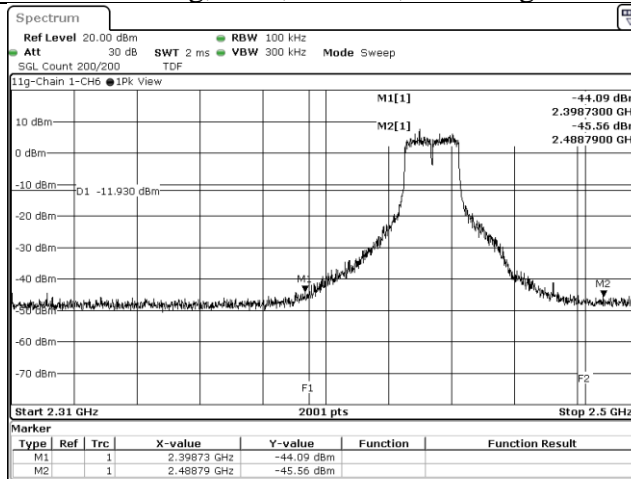
### 802.11g, CH6, Chain 1, Reference



### 802.11g, CH6, Chain 1, Conducted Emission



### 802.11g, CH6, Chain 1, Band edge



## Underwriters Laboratories Taiwan Co., Ltd.

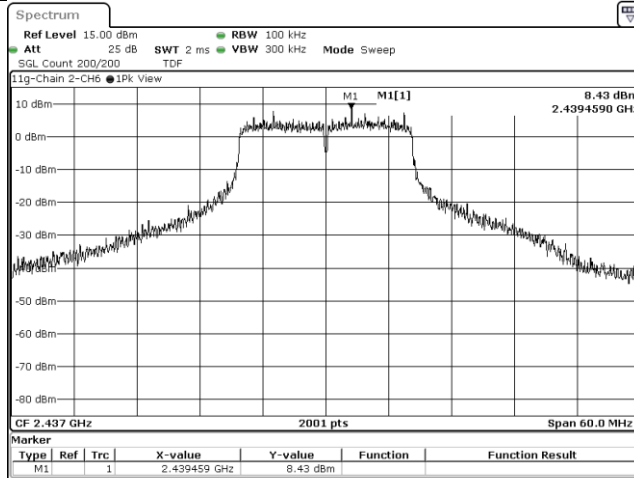
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

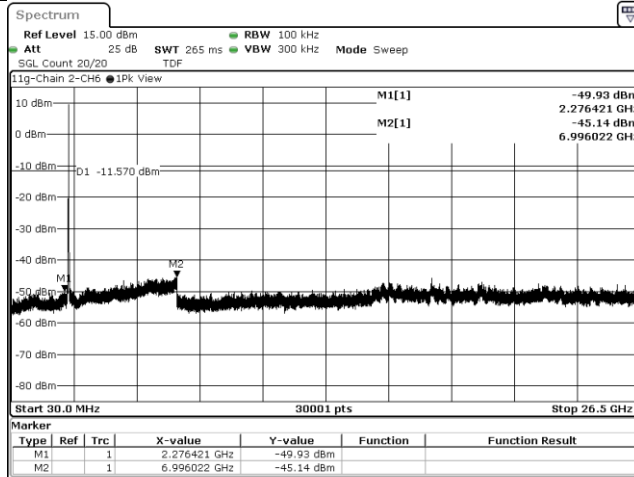
Facsimile (FAX) : +886-3-583-7948



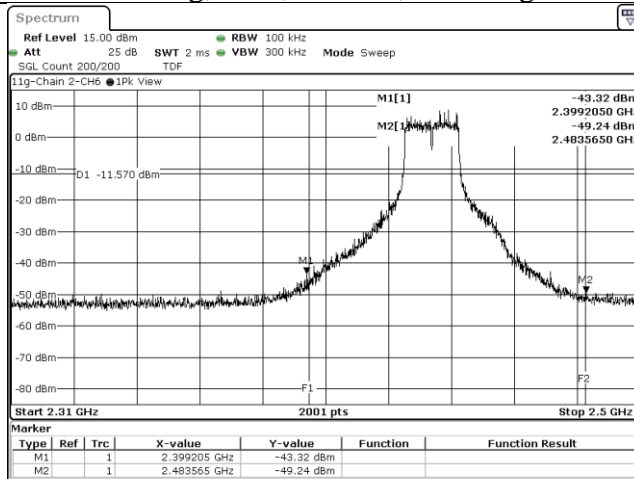
### 802.11g, CH6, Chain 2, Reference



### 802.11g, CH6, Chain 2, Conducted Emission



### 802.11g, CH6, Chain 2, Band edge



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Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

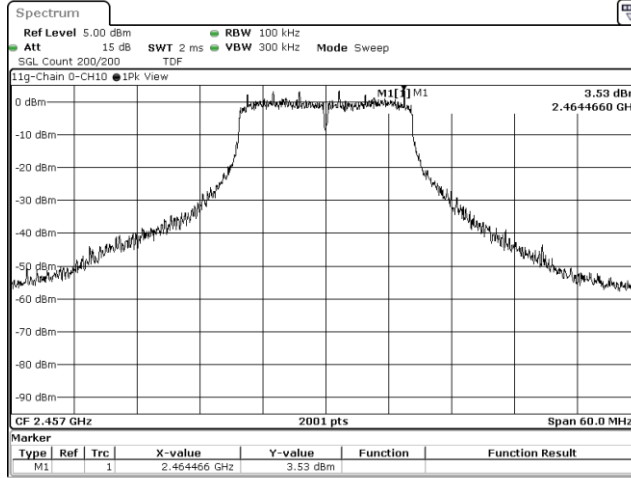
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

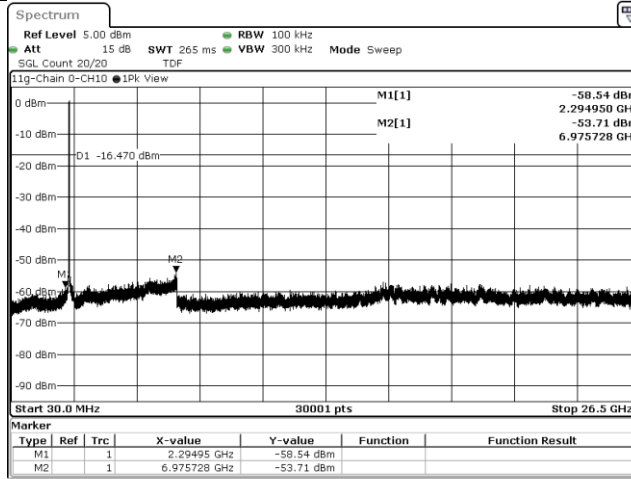
Doc No: 17-EM-F0876 / 6.0



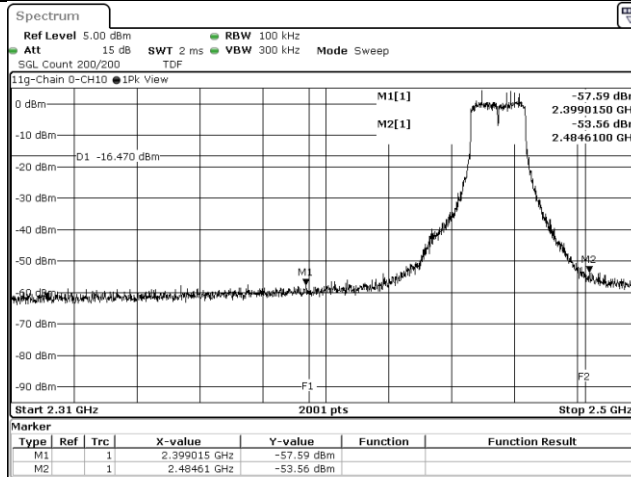
### 802.11g, CH10, Chain 0, Reference



### 802.11g, CH10, Chain 0, Conducted Emission



### 802.11g, CH10, Chain 0, Band edge



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Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

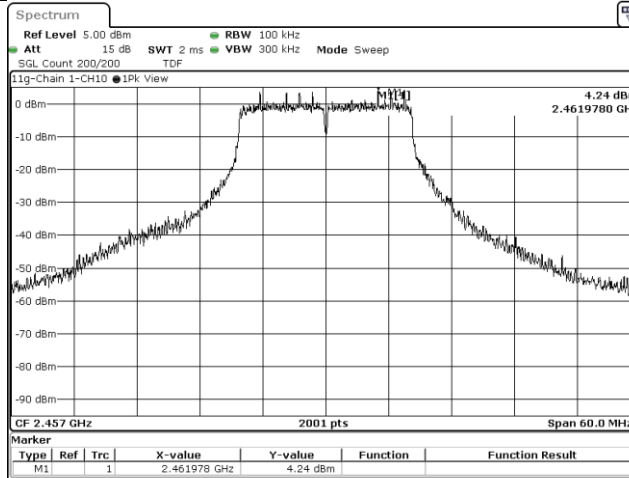
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

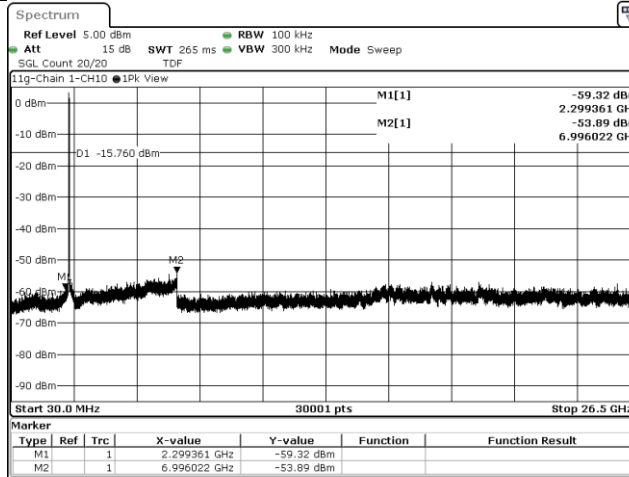
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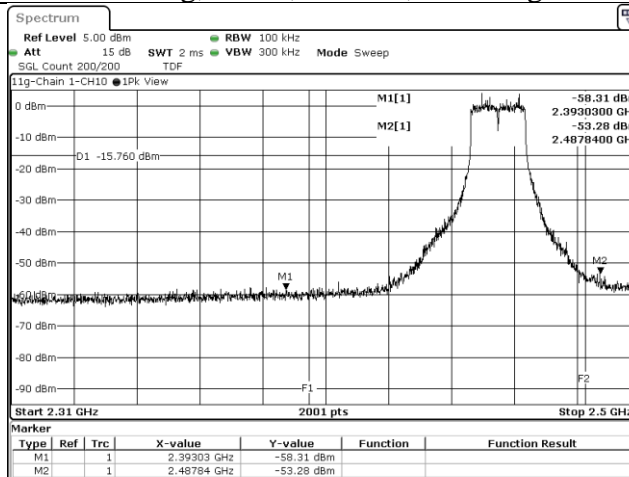
### 802.11g, CH10, Chain 1, Reference



### 802.11g, CH10, Chain 1, Conducted Emission



### 802.11g, CH10, Chain 1, Band edge



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Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

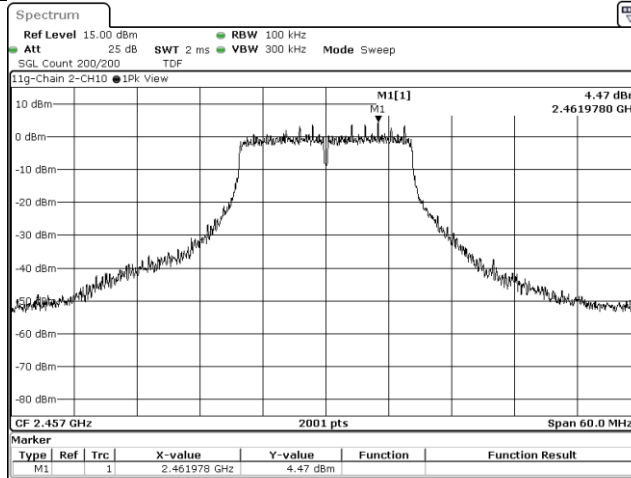
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

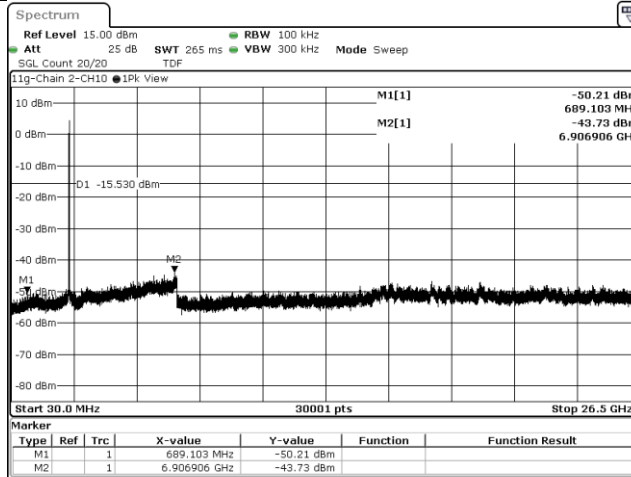
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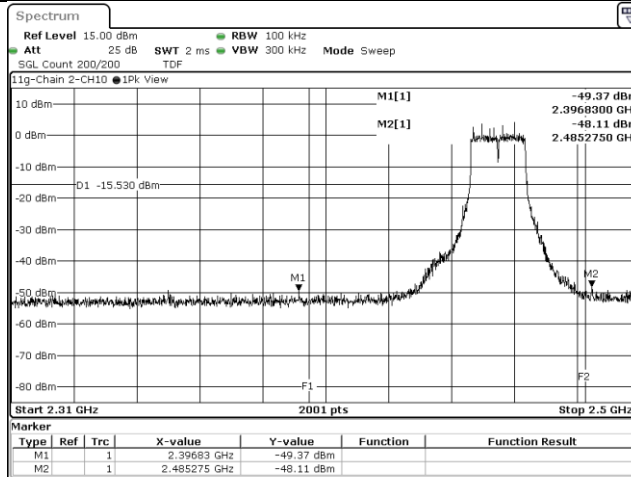
### 802.11g, CH10, Chain 2, Reference



### 802.11g, CH10, Chain 2, Conducted Emission



### 802.11g, CH10, Chain 2, Band edge



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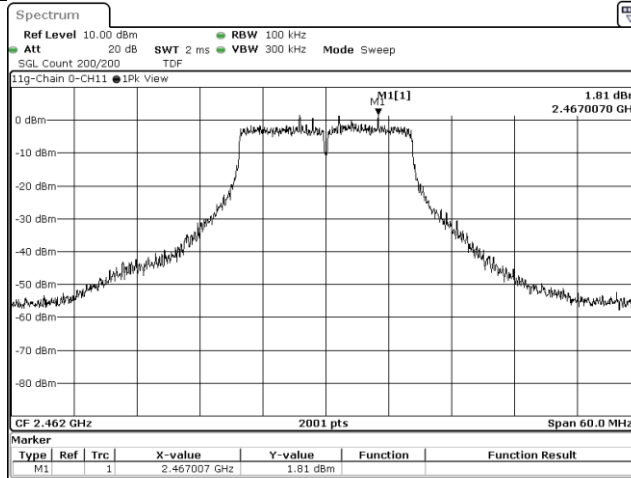
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

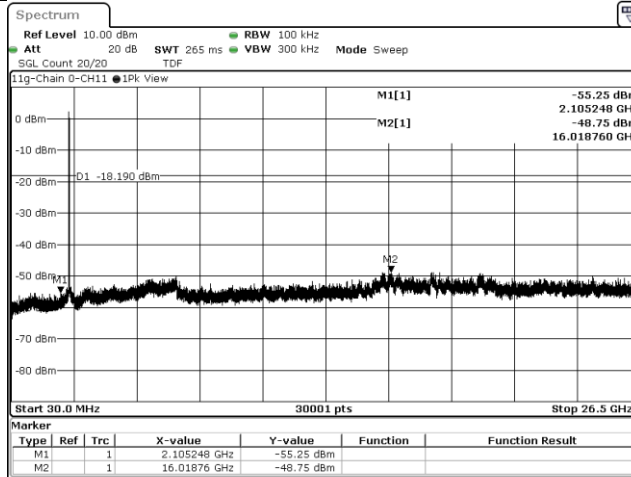
Facsimile (FAX) : +886-3-583-7948



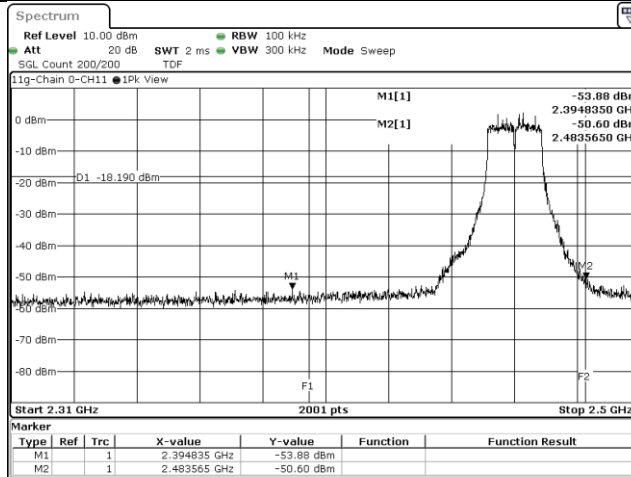
### 802.11g, CH11, Chain 0, Reference



### 802.11g, CH11, Chain 0, Conducted Emission



### 802.11g, CH11, Chain 0, Band edge



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Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

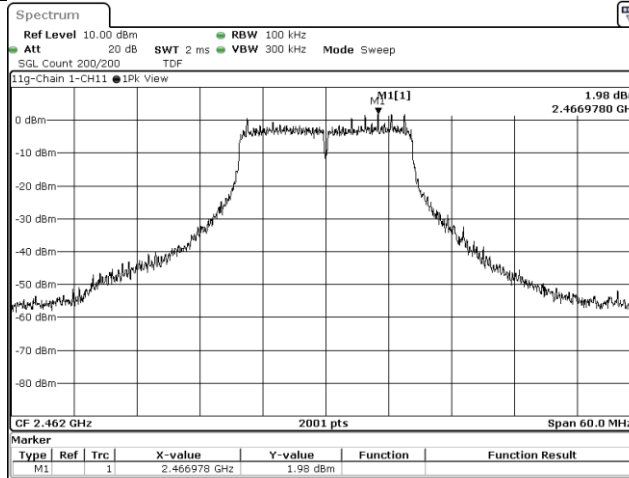
Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

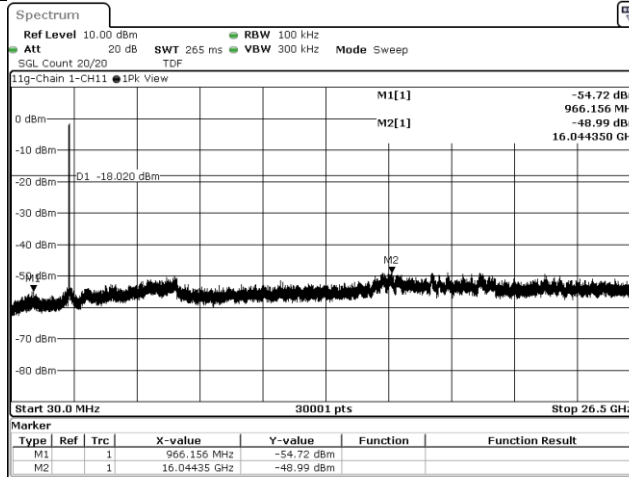
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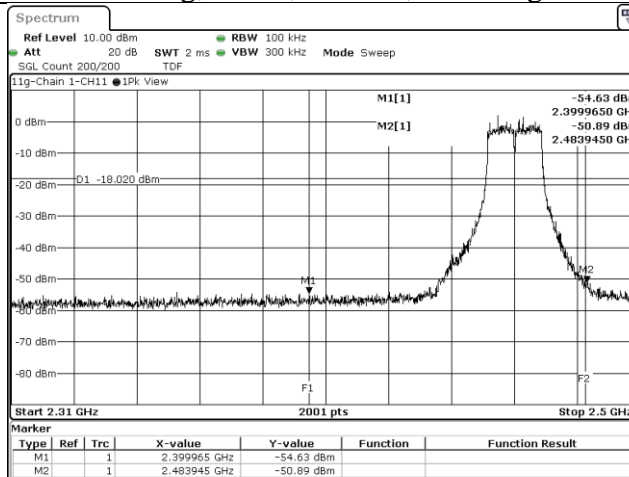
### 802.11g, CH11, Chain 1, Reference



### 802.11g, CH11, Chain 1, Conducted Emission



### 802.11g, CH11, Chain 1, Band edge



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Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

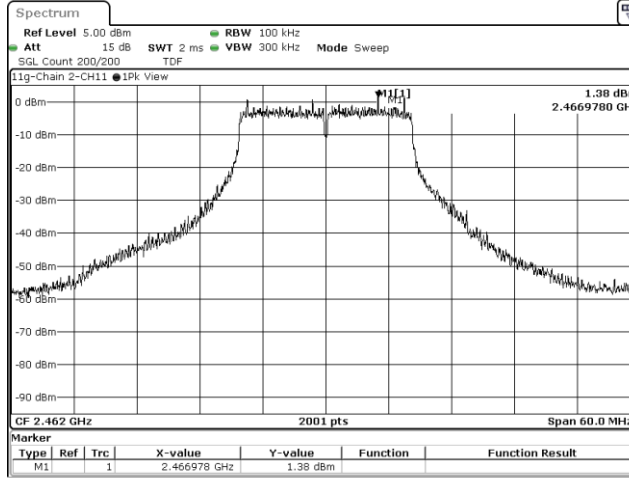
Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

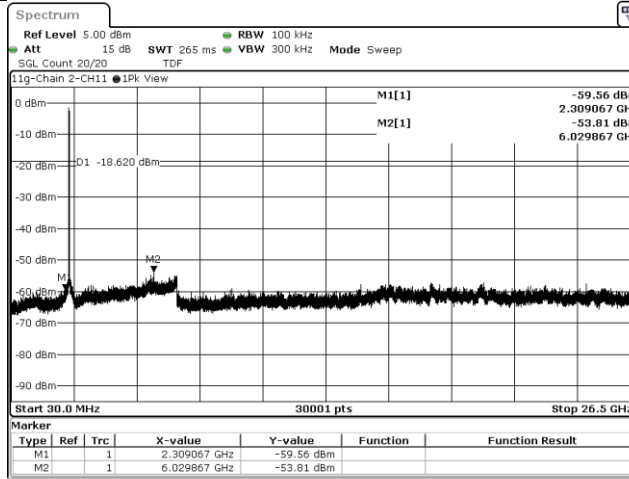
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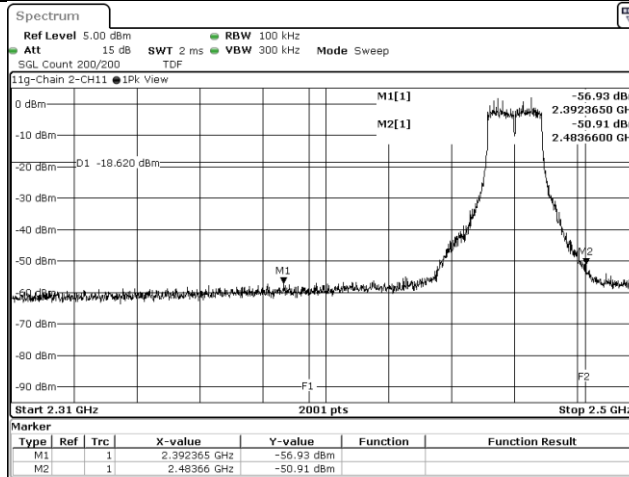
### 802.11g, CH11, Chain 2, Reference



### 802.11g, CH11, Chain 2, Conducted Emission



### 802.11g, CH11, Chain 2, Band edge



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Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

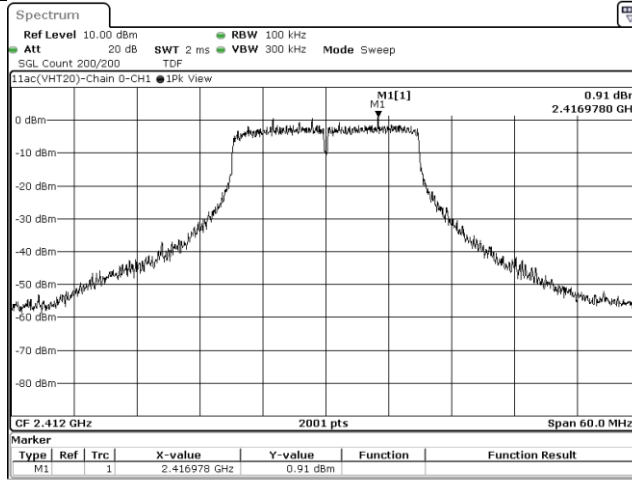
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

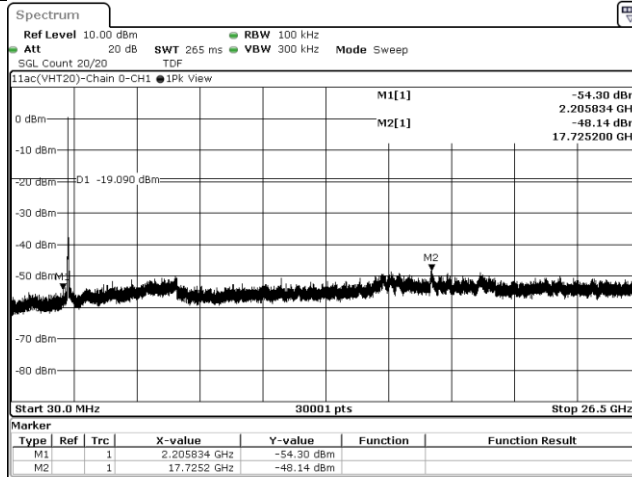




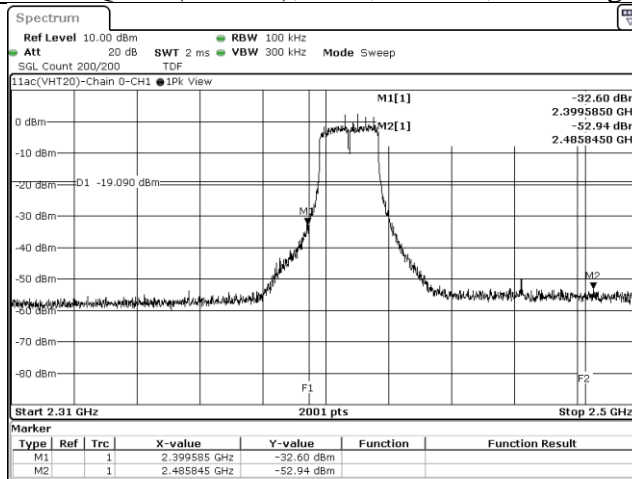
### TurboQAM (VHT20), CH1, Chain 0, Reference



### TurboQAM (VHT20), CH1, Chain 0, Conducted Emission



### TurboQAM (VHT20), CH1, Chain 0, Band edge



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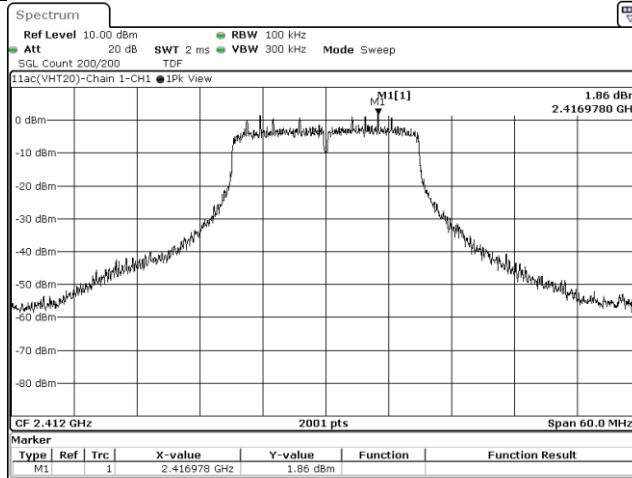
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

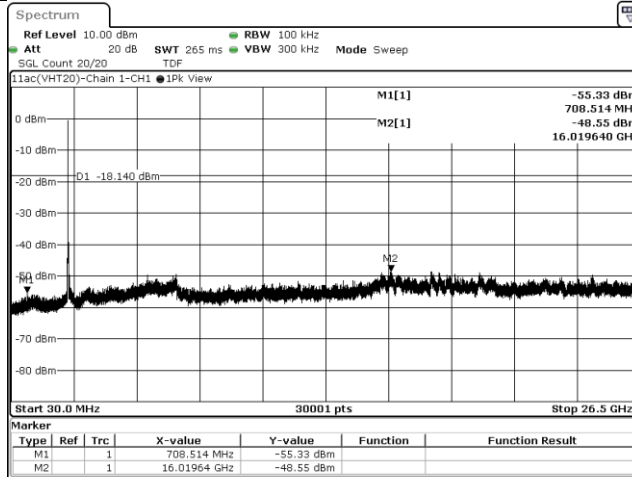
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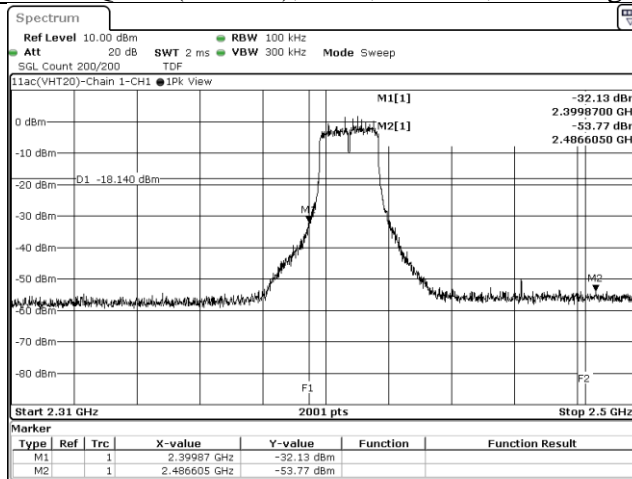
### TurboQAM (VHT20), CH1, Chain 1, Reference



### TurboQAM (VHT20), CH1, Chain 1, Conducted Emission



### TurboQAM (VHT20), CH1, Chain 1, Band edge



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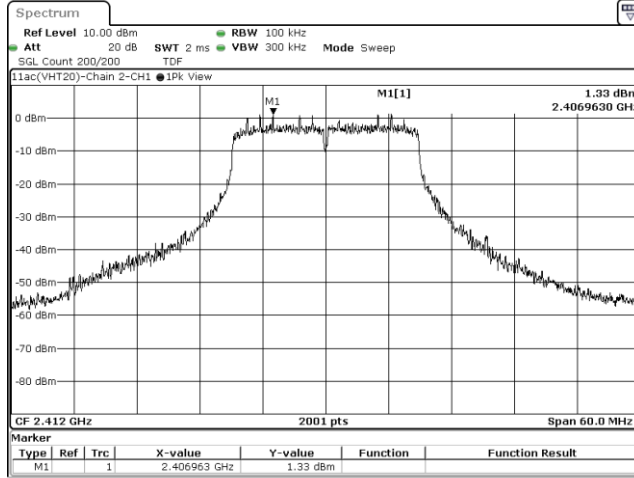
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

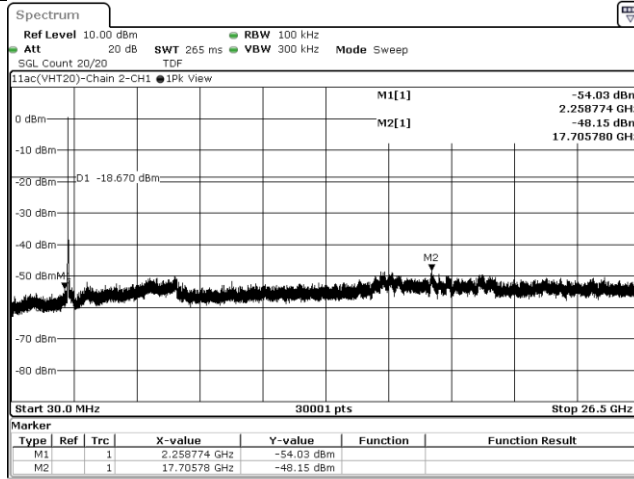
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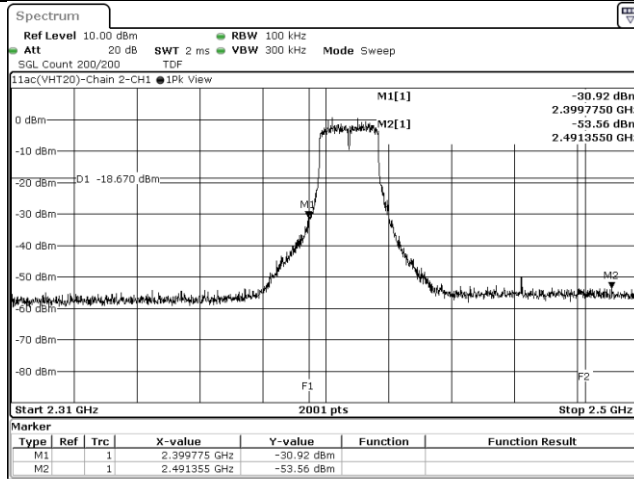
### TurboQAM (VHT20), CH1, Chain 2, Reference



### TurboQAM (VHT20), CH1, Chain 2, Conducted Emission



### TurboQAM (VHT20), CH1, Chain 2, Band edge



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Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

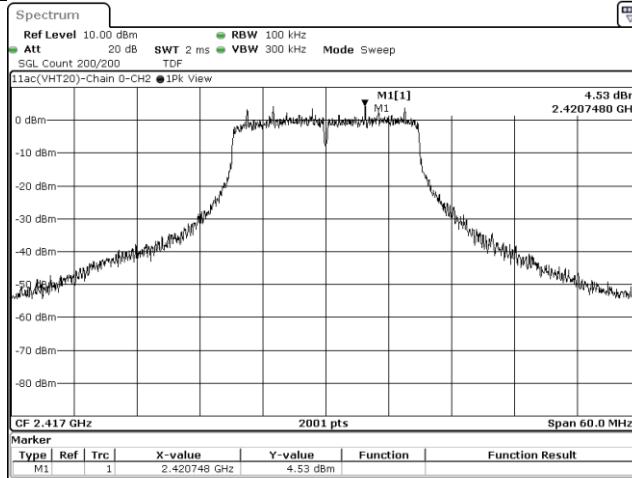
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

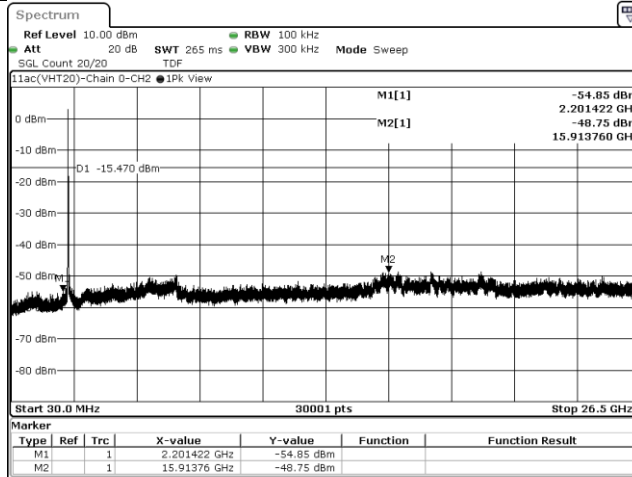
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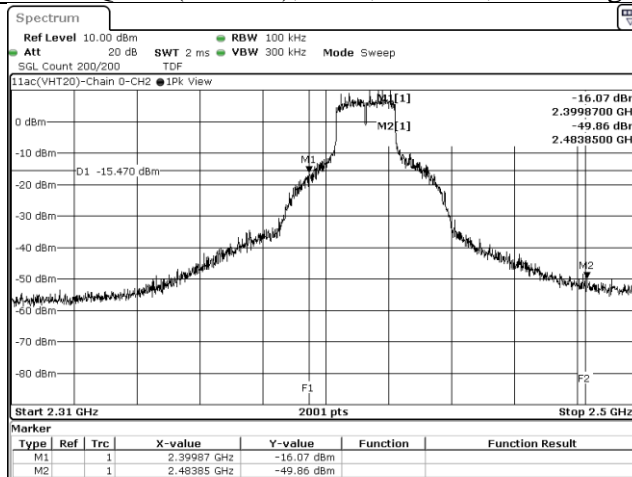
### TurboQAM (VHT20), CH2, Chain 0, Reference



### TurboQAM (VHT20), CH2, Chain 0, Conducted Emission



### TurboQAM (VHT20), CH2, Chain 0, Band edge



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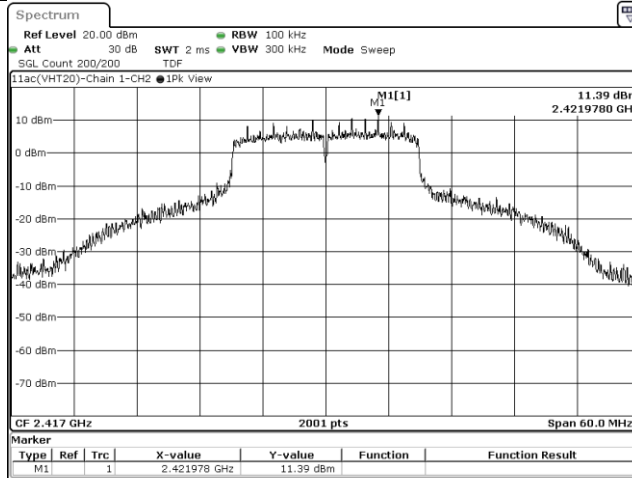
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

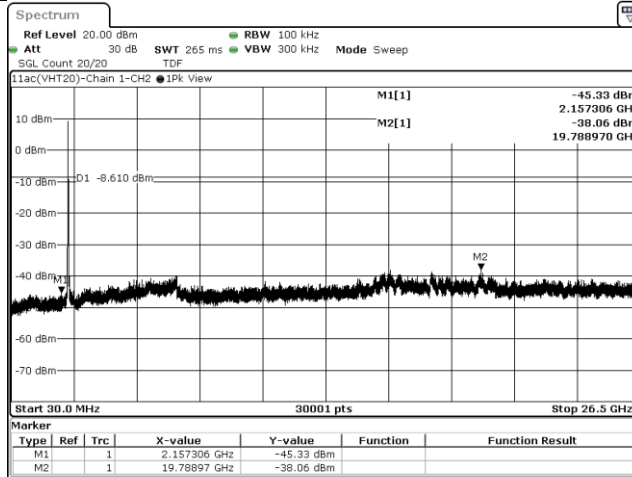
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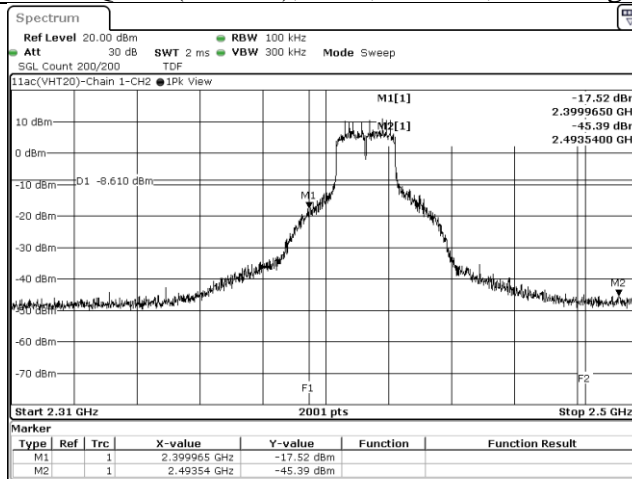
### TurboQAM (VHT20), CH2, Chain 1, Reference



### TurboQAM (VHT20), CH2, Chain 1, Conducted Emission



### TurboQAM (VHT20), CH2, Chain 1, Band edge



## Underwriters Laboratories Taiwan Co., Ltd.

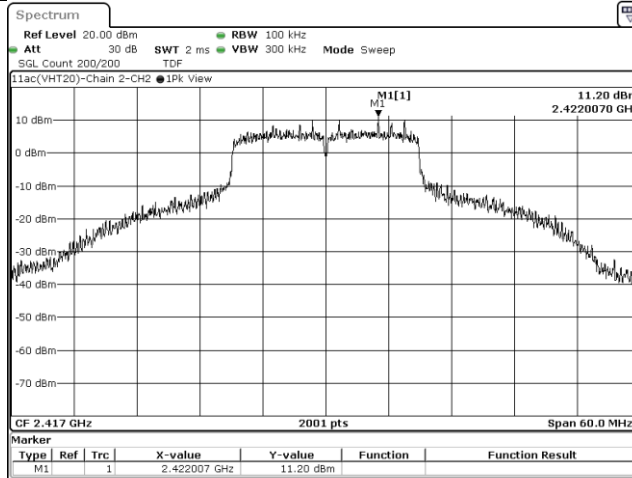
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

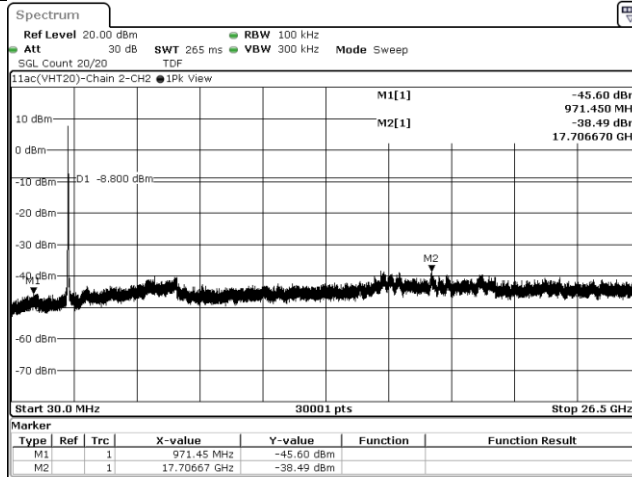
Facsimile (FAX) :+886-3-583-7948



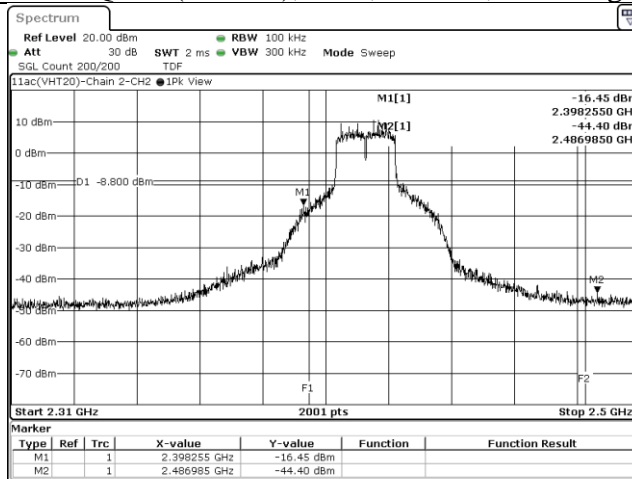
### TurboQAM (VHT20), CH2, Chain 2, Reference



### TurboQAM (VHT20), CH2, Chain 2, Conducted Emission



### TurboQAM (VHT20), CH2, Chain 2, Band edge



## Underwriters Laboratories Taiwan Co., Ltd.

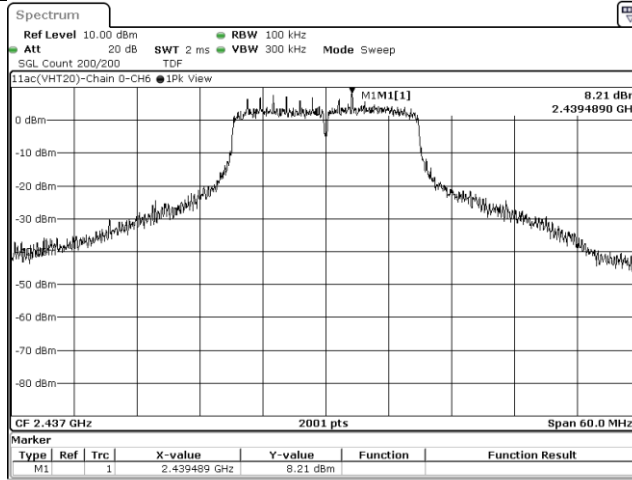
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

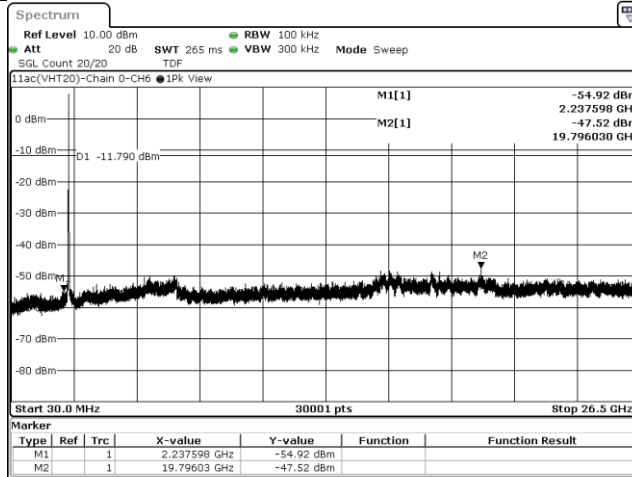
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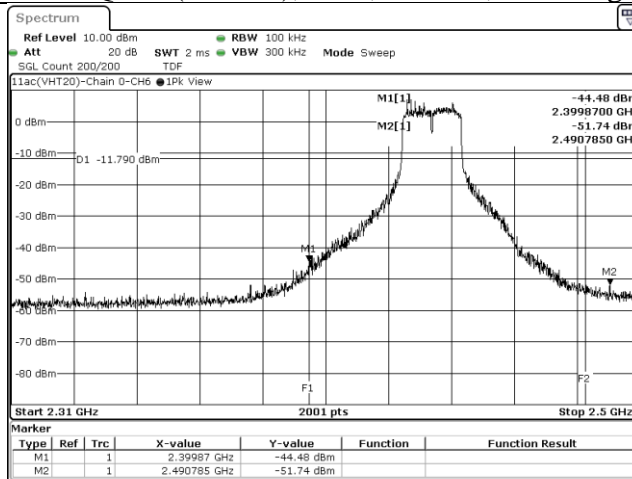
### TurboQAM (VHT20), CH6, Chain 0, Reference



### TurboQAM (VHT20), CH6, Chain 0, Conducted Emission



### TurboQAM (VHT20), CH6, Chain 0, Band edge



## Underwriters Laboratories Taiwan Co., Ltd.

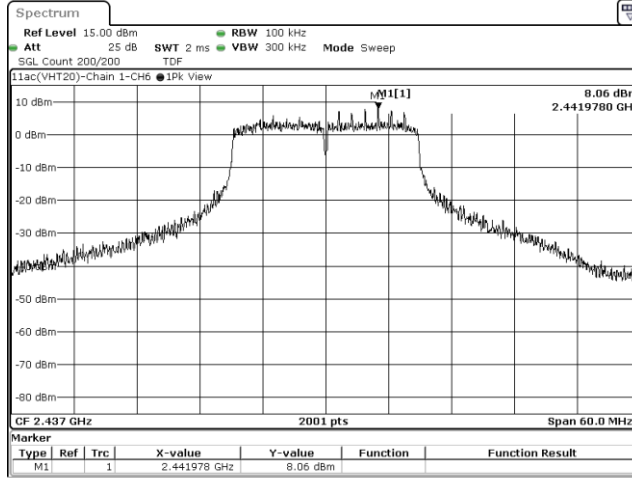
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

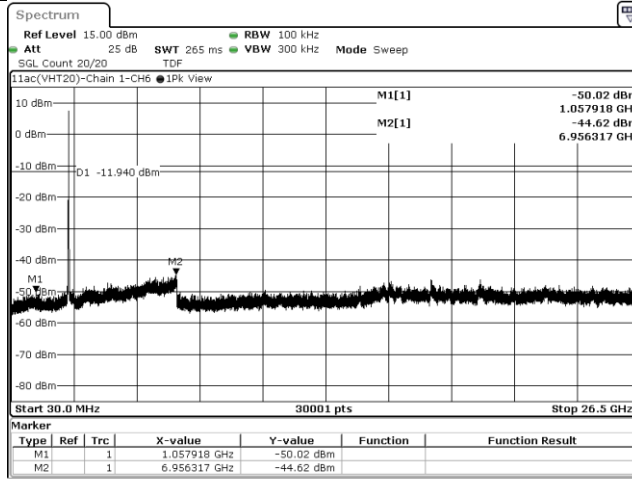
Facsimile (FAX) : +886-3-583-7948



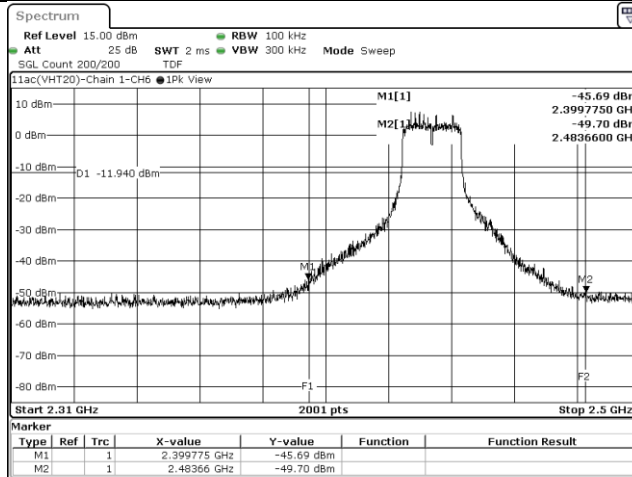
### TurboQAM (VHT20), CH6, Chain 1, Reference



### TurboQAM (VHT20), CH6, Chain 1, Conducted Emission



### TurboQAM (VHT20), CH6, Chain 1, Band edge



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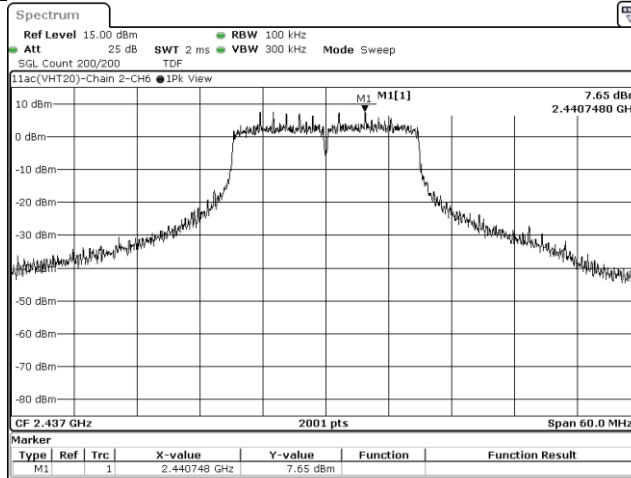
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Doc No: 17-EM-F0876 / 6.0

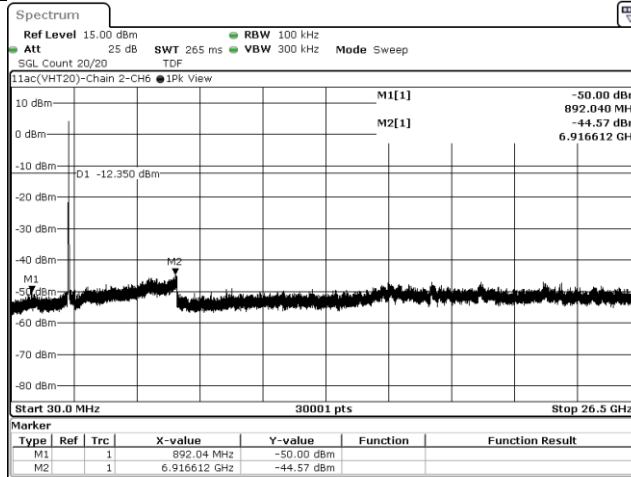




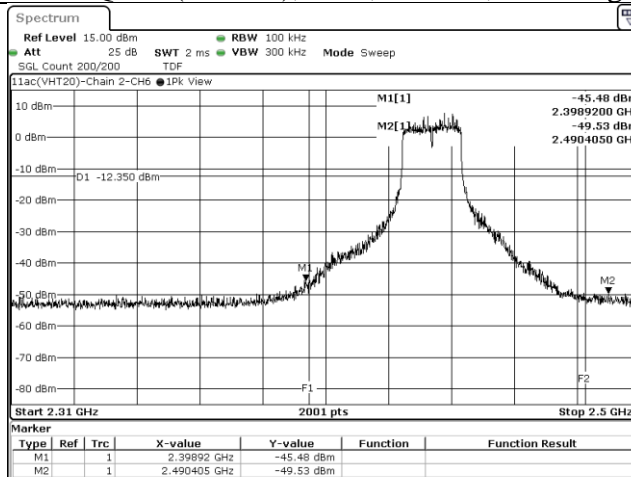
### TurboQAM (VHT20), CH6, Chain 2, Reference



### TurboQAM (VHT20), CH6, Chain 2, Conducted Emission



### TurboQAM (VHT20), CH6, Chain 2, Band edge



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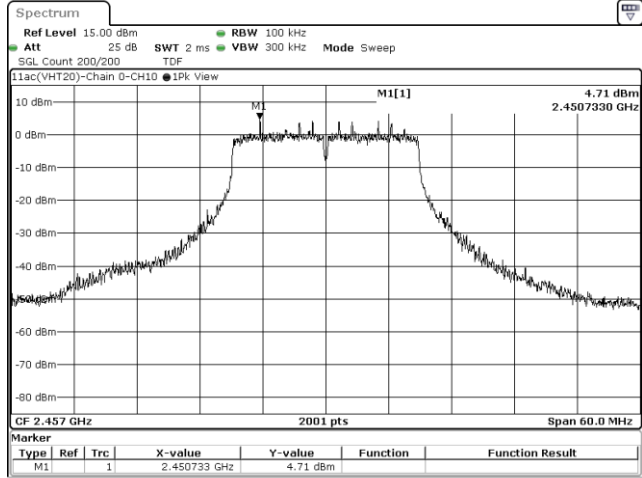
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Facsimile (FAX) : +886-3-583-7948

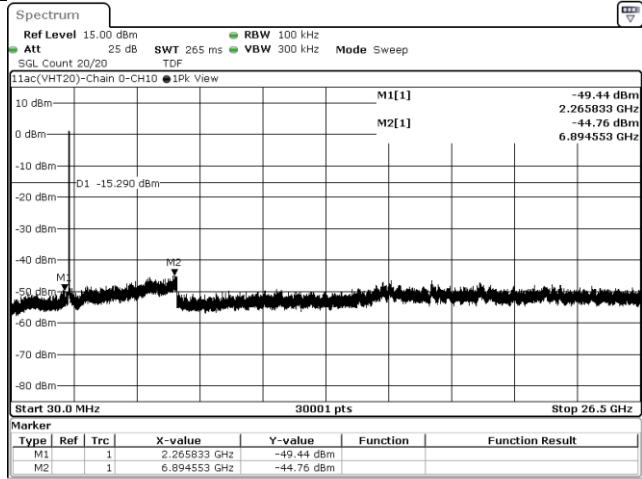
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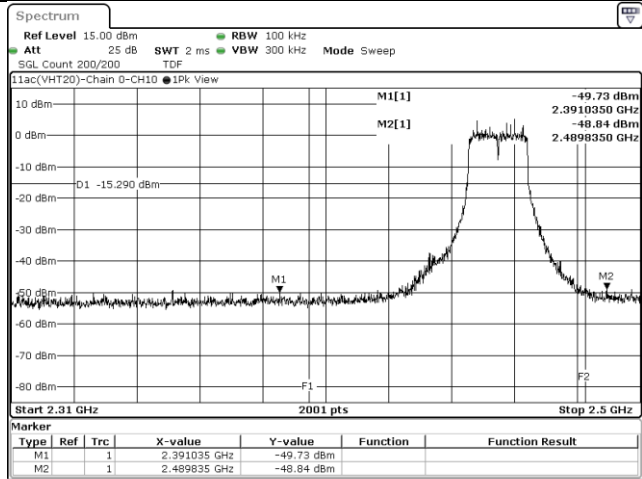
### TurboQAM (VHT20), CH10, Chain 0, Reference



### TurboQAM (VHT20), CH10, Chain 0, Conducted Emission



### TurboQAM (VHT20), CH10, Chain 0, Band edge



## Underwriters Laboratories Taiwan Co., Ltd.

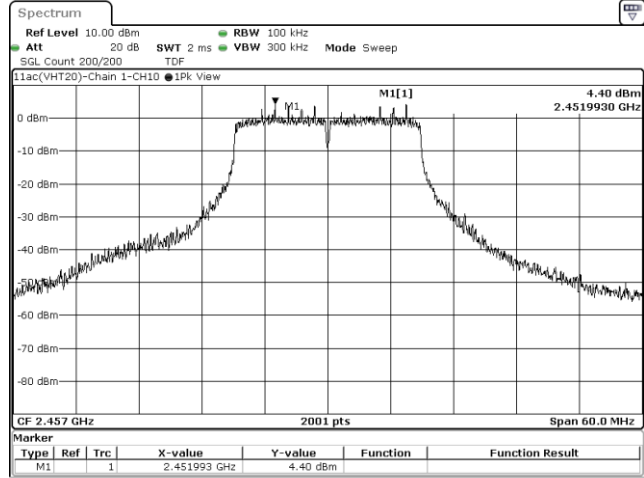
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

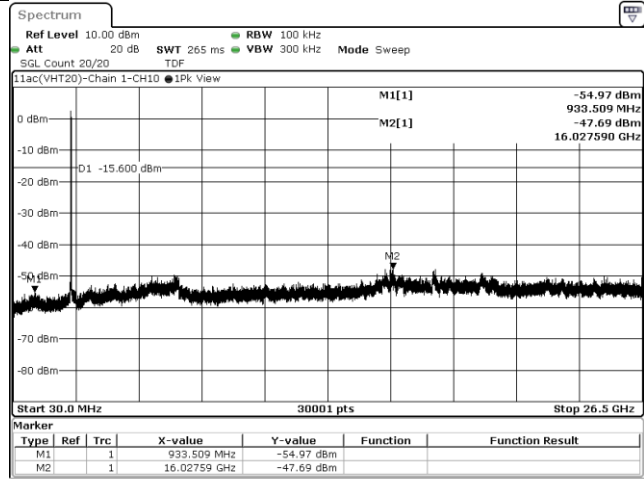
Facsimile (FAX) : +886-3-583-7948



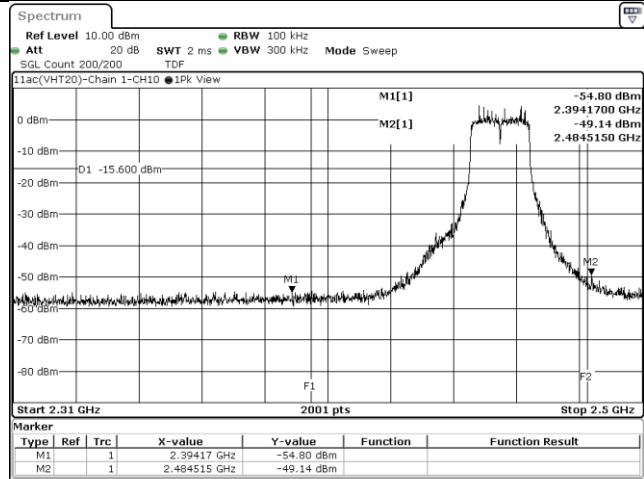
### TurboQAM (VHT20), CH10, Chain 1, Reference



### TurboQAM (VHT20), CH10, Chain 1, Conducted Emission



### TurboQAM (VHT20), CH10, Chain 1, Band edge



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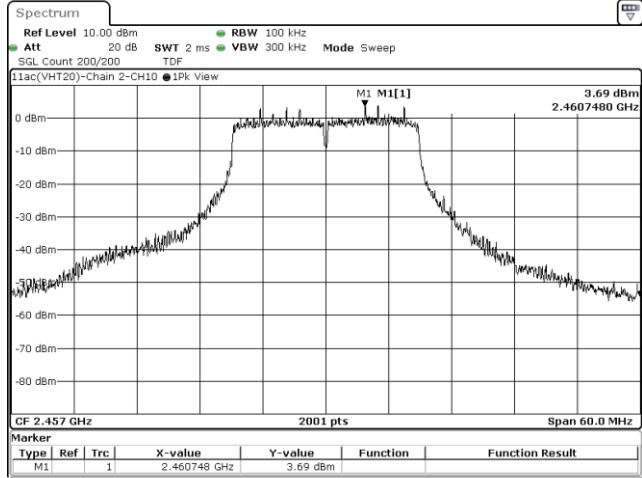
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone :+886-2-7737-3000

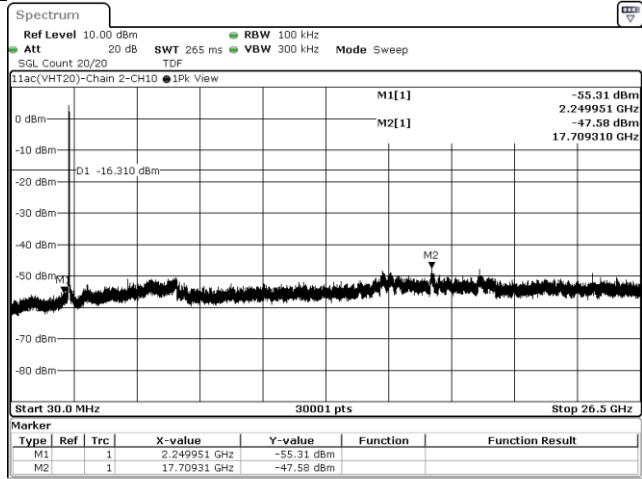
Facsimile (FAX) :+886-3-583-7948



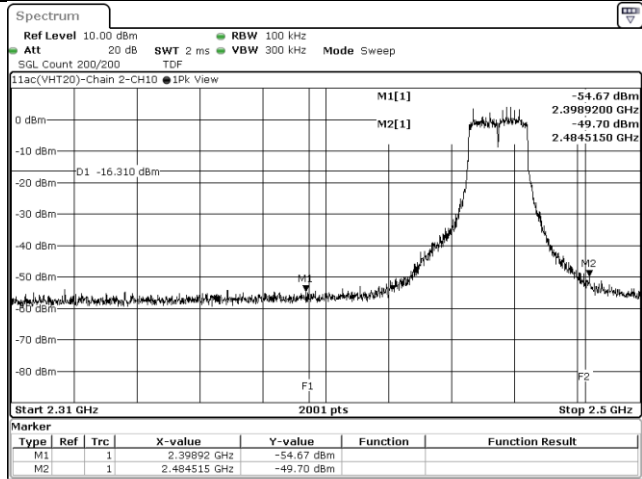
### TurboQAM (VHT20), CH10, Chain 2, Reference



### TurboQAM (VHT20), CH10, Chain 2, Conducted Emission



### TurboQAM (VHT20), CH10, Chain 2, Band edge



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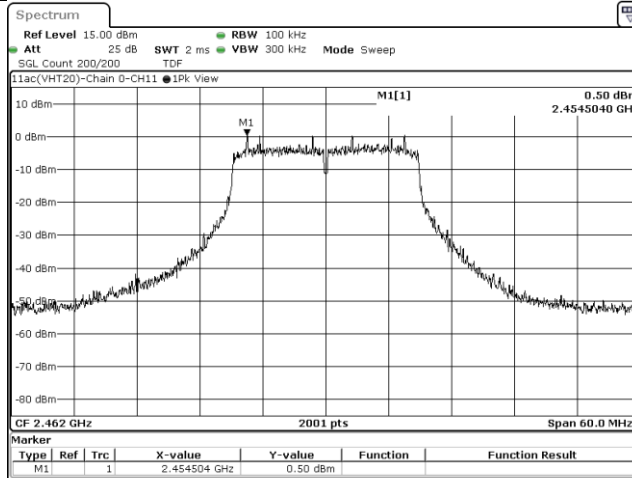
Telephone :+886-2-7737-3000

Facsimile (FAX) :+886-3-583-7948

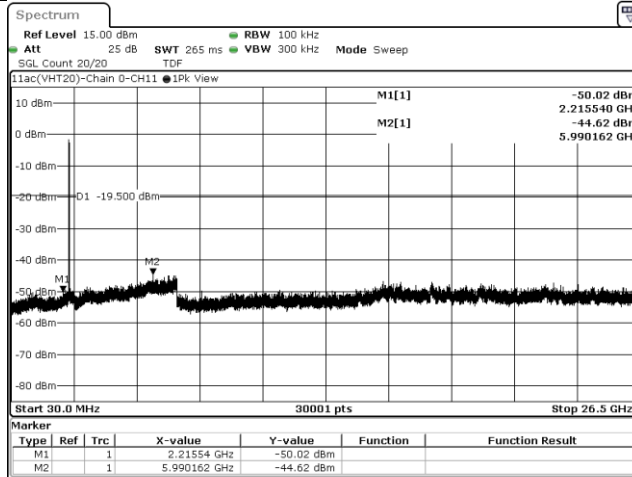
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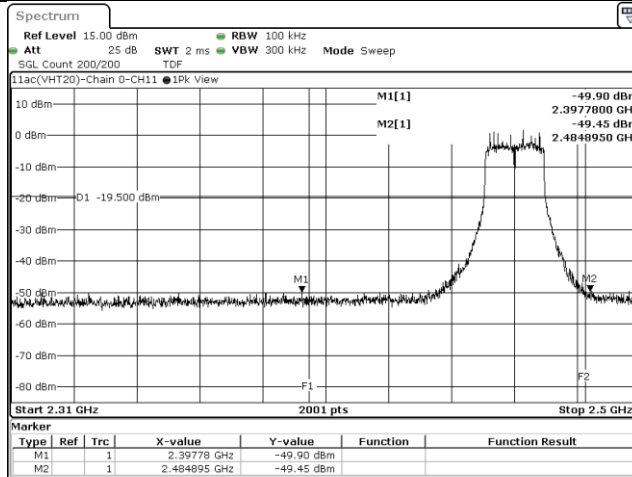
### TurboQAM (VHT20), CH11, Chain 0, Reference



### TurboQAM (VHT20), CH11, Chain 0, Conducted Emission



### TurboQAM (VHT20), CH11, Chain 0, Band edge



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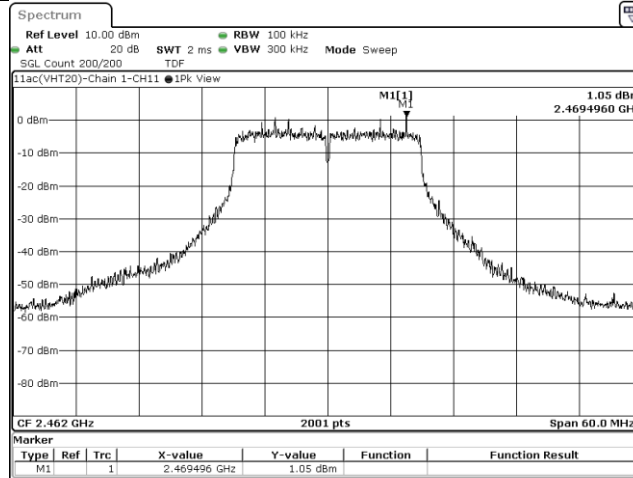
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

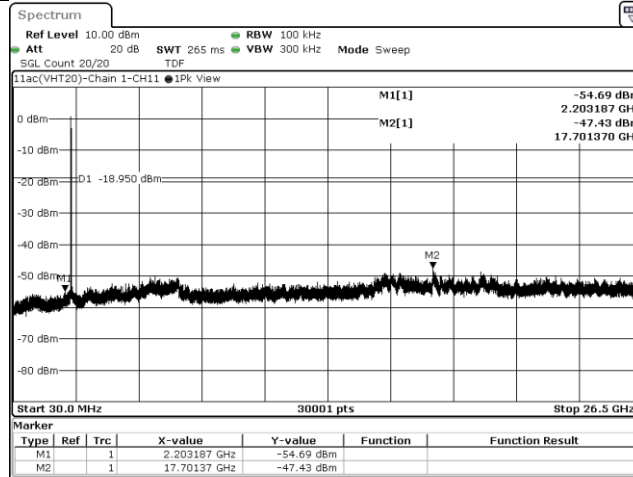
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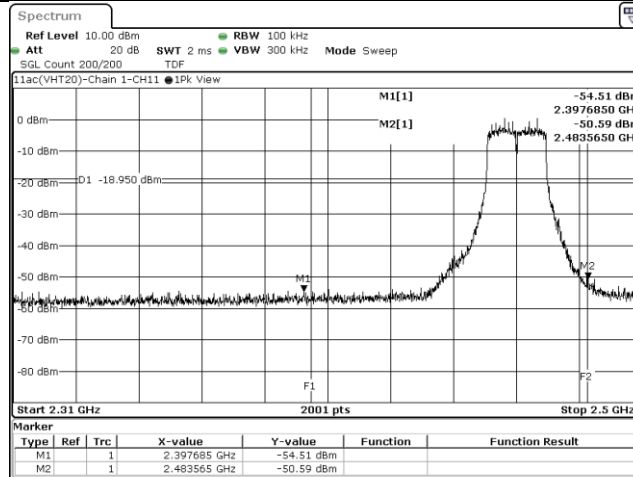
### TurboQAM (VHT20), CH11, Chain 1, Reference



### TurboQAM (VHT20), CH11, Chain 1, Conducted Emission



### TurboQAM (VHT20), CH11, Chain 1, Band edge



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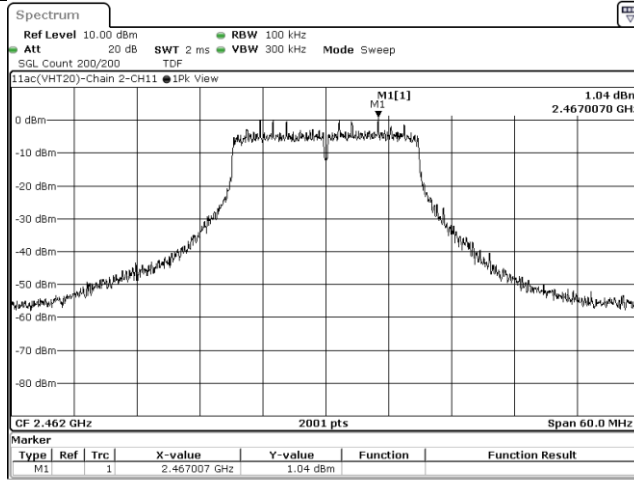
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

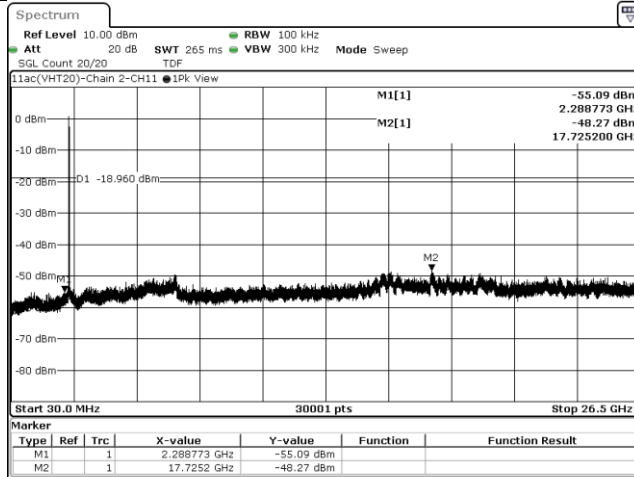
Facsimile (FAX) : +886-3-583-7948



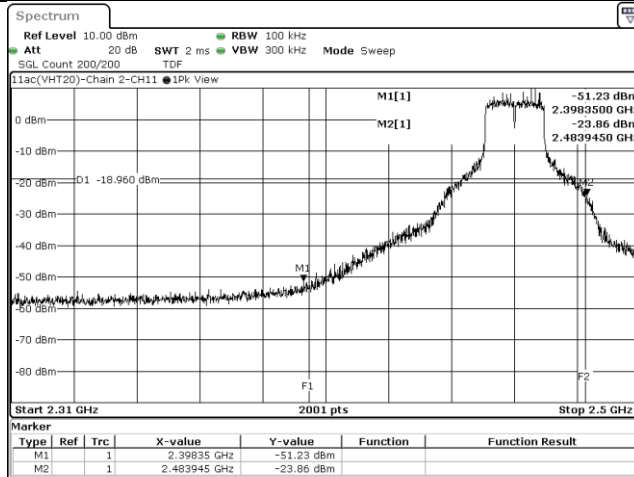
### TurboQAM (VHT20), CH11, Chain 2, Reference



### TurboQAM (VHT20), CH11, Chain 2, Conducted Emission



### TurboQAM (VHT20), CH11, Chain 2, Band edge



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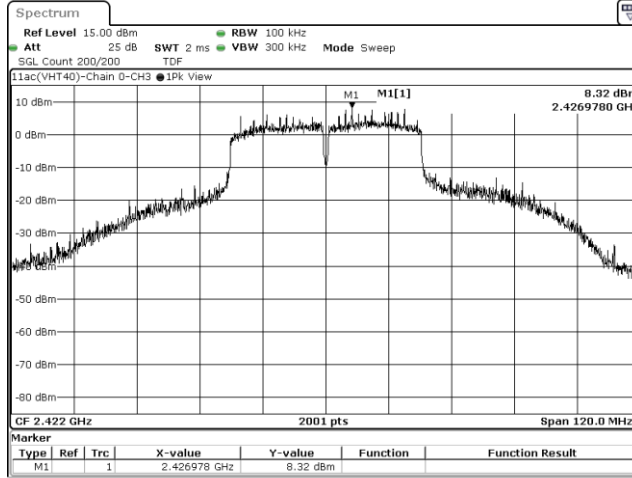
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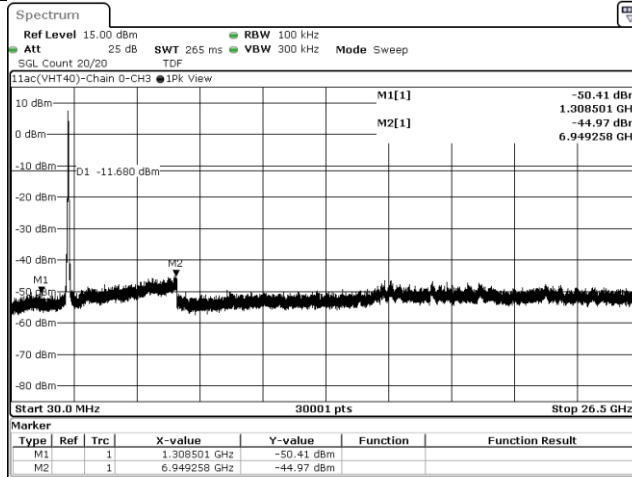
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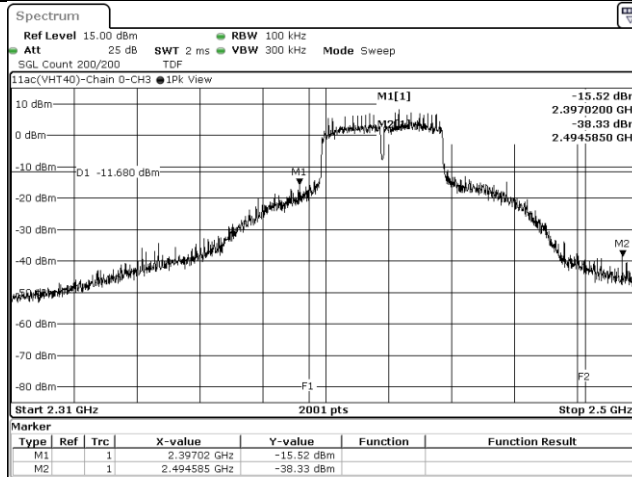
### TurboQAM (VHT40), CH3, Chain 0, Reference



### TurboQAM (VHT40), CH3, Chain 0, Conducted Emission



### TurboQAM (VHT40), CH3, Chain 0, Band edge



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Telephone : +886-2-7737-3000

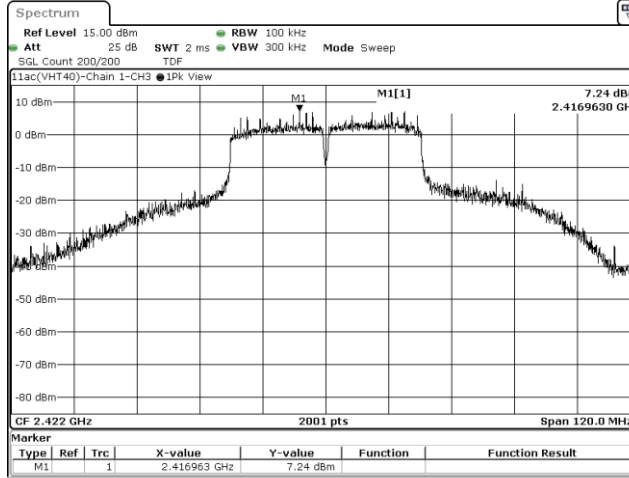
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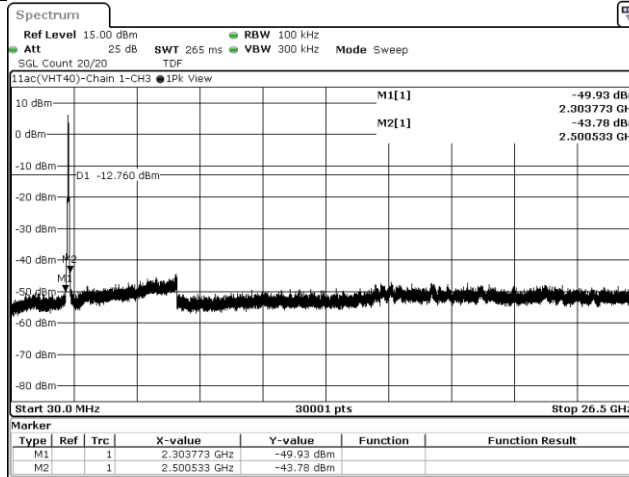




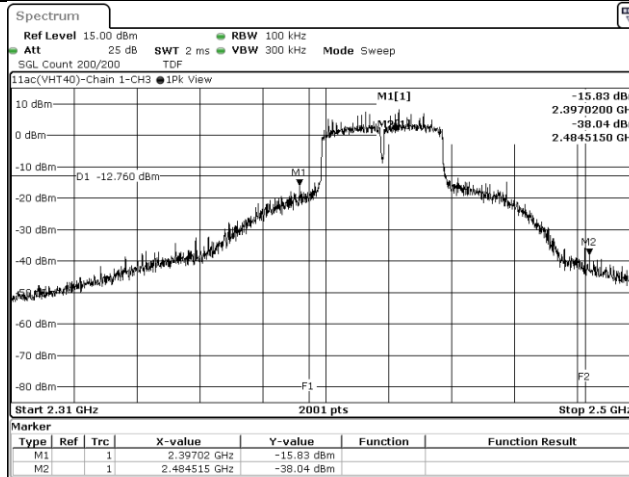
### TurboQAM (VHT40), CH3, Chain 1, Reference



### TurboQAM (VHT40), CH3, Chain 1, Conducted Emission



### TurboQAM (VHT40), CH3, Chain 1, Band edge



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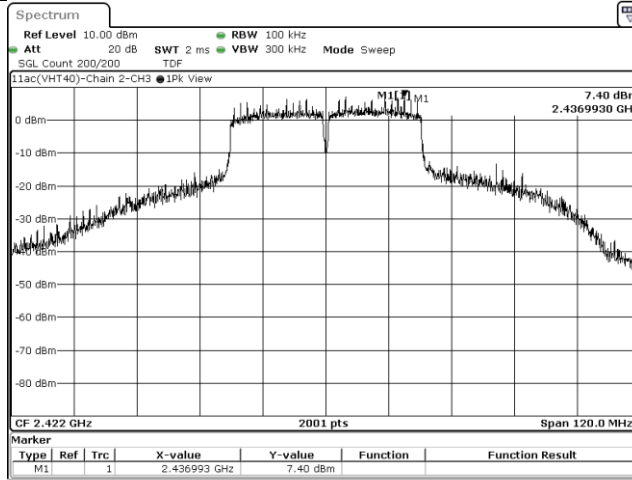
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

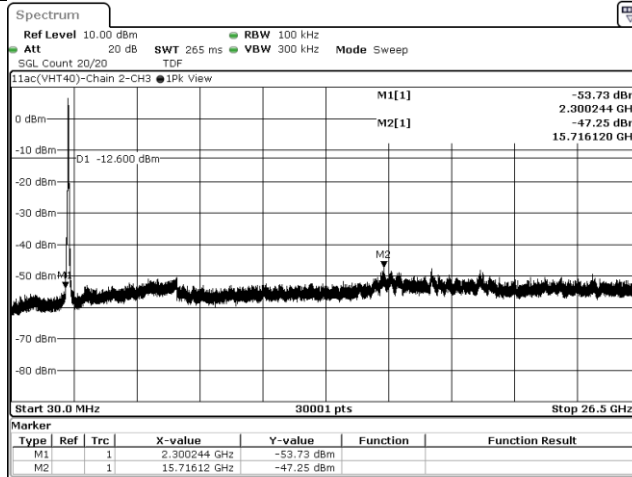
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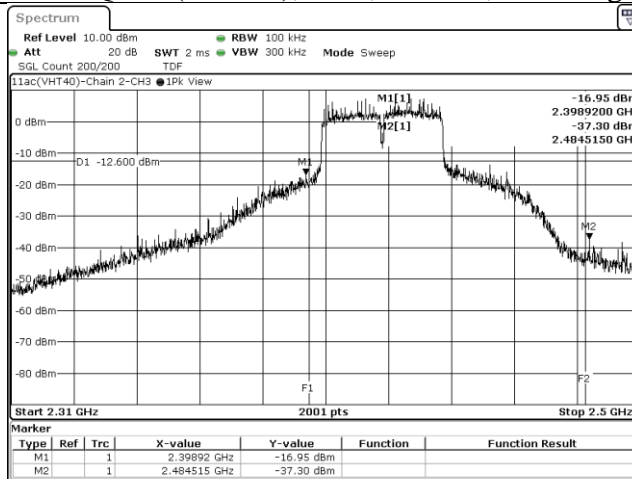
### TurboQAM (VHT40), CH3, Chain 2, Reference



### TurboQAM (VHT40), CH3, Chain 2, Conducted Emission



### TurboQAM (VHT40), CH3, Chain 2, Band edge



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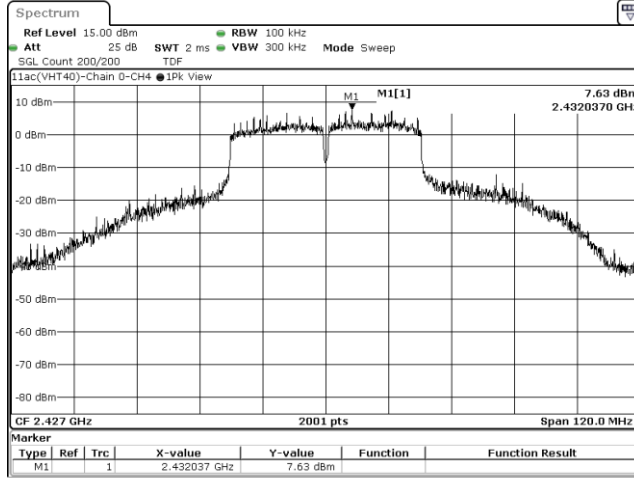
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

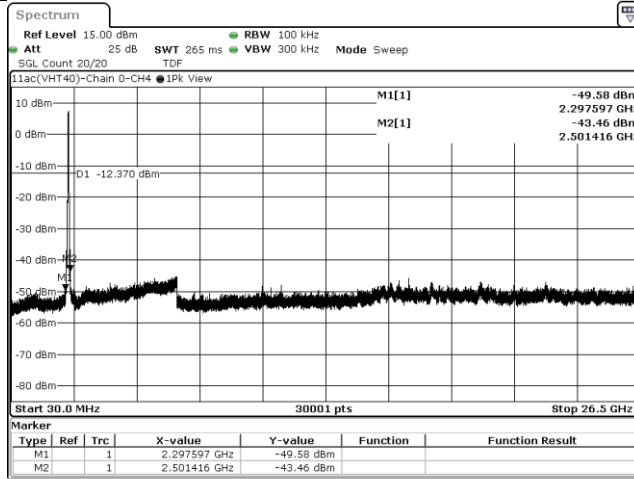
Facsimile (FAX) : +886-3-583-7948



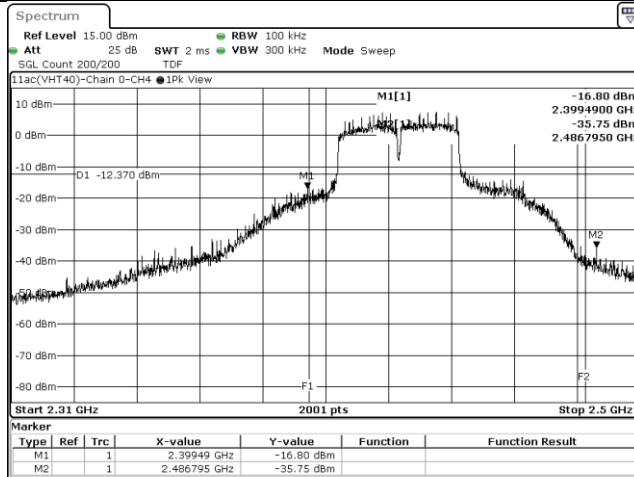
### TurboQAM (VHT40), CH4, Chain 0, Reference



### TurboQAM (VHT40), CH4, Chain 0, Conducted Emission



### TurboQAM (VHT40), CH4, Chain 0, Band edge



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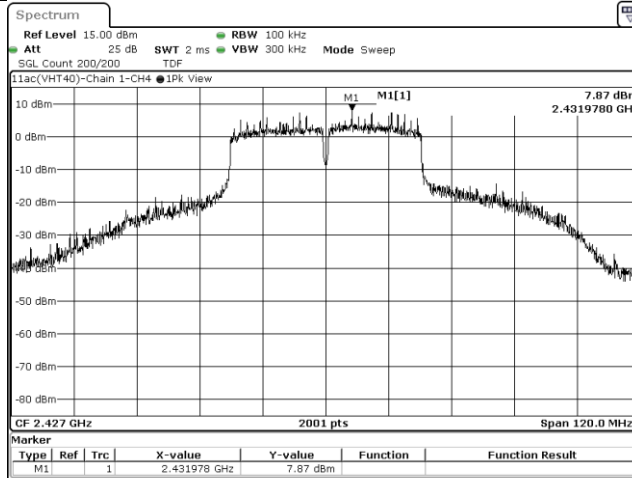
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

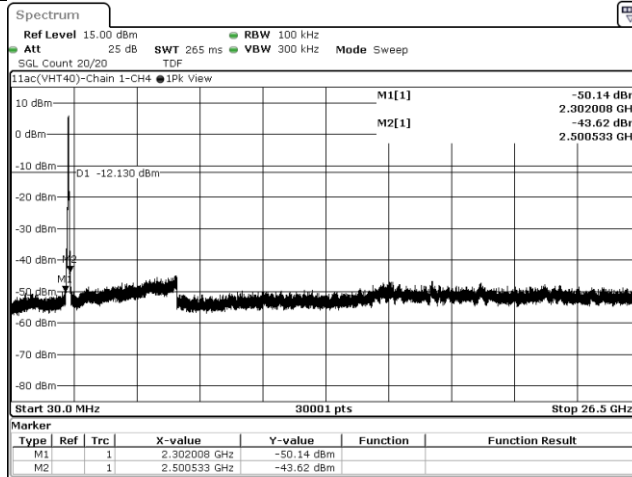
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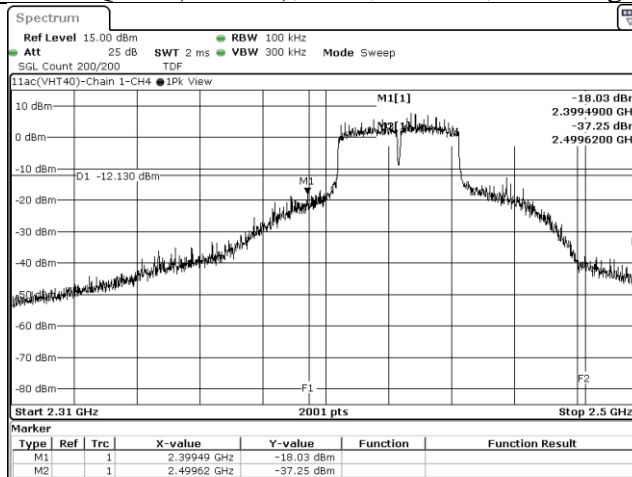
### TurboQAM (VHT40), CH4, Chain 1, Reference



### TurboQAM (VHT40), CH4, Chain 1, Conducted Emission



### TurboQAM (VHT40), CH4, Chain 1, Band edge



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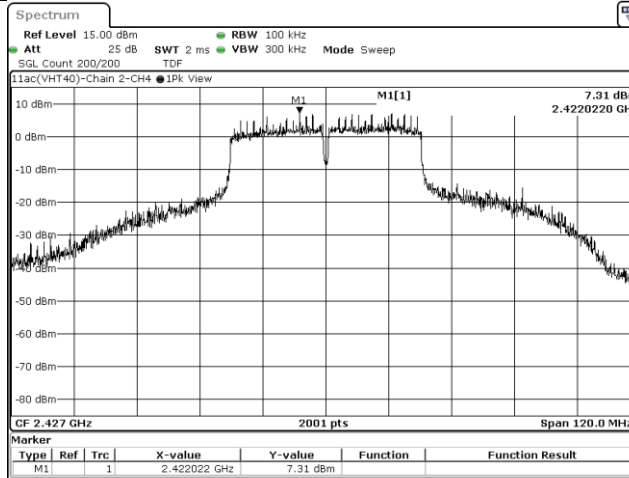
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

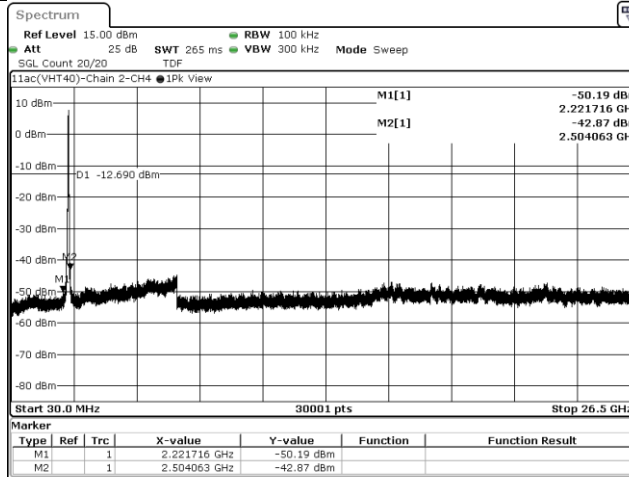
Facsimile (FAX) : +886-3-583-7948



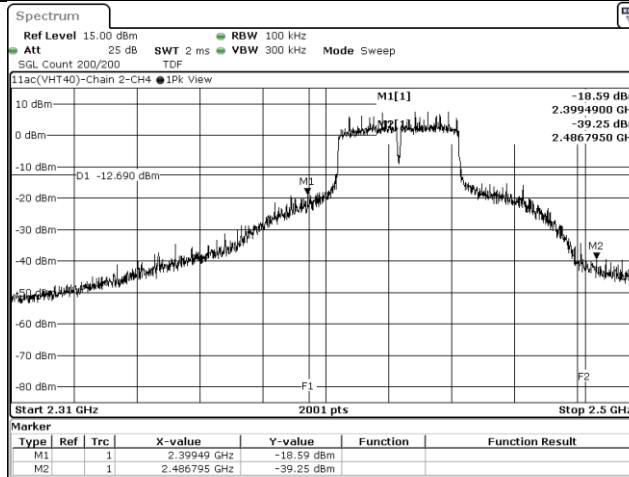
### TurboQAM (VHT40), CH4, Chain 2, Reference



### TurboQAM (VHT40), CH4, Chain 2, Conducted Emission



### TurboQAM (VHT40), CH4, Chain 2, Band edge



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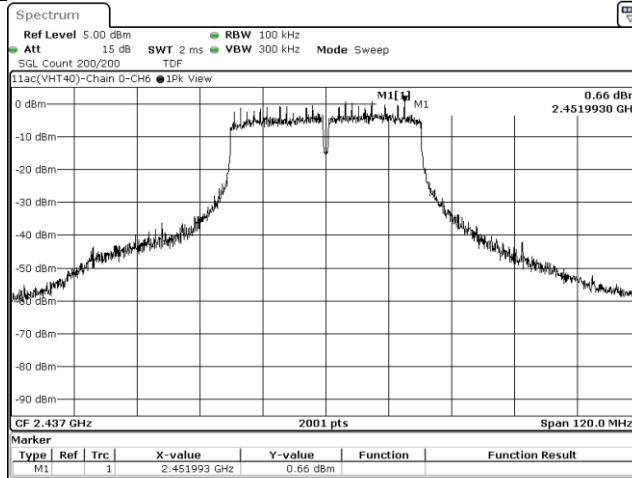
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

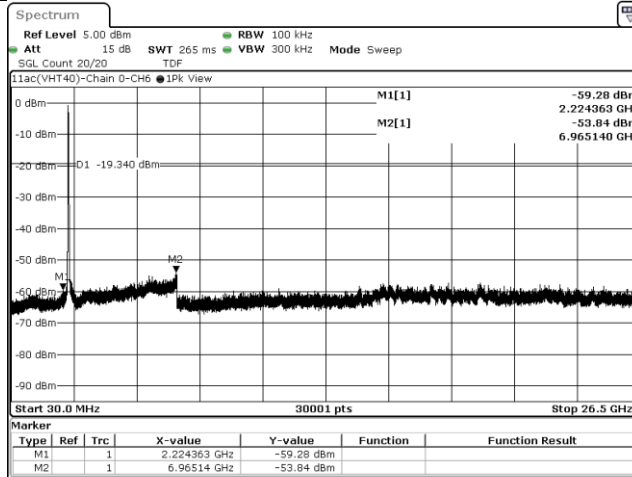
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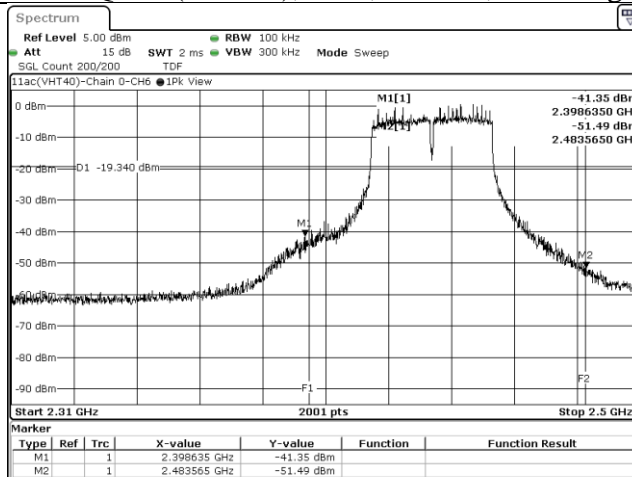
### TurboQAM (VHT40), CH6, Chain 0, Reference



### TurboQAM (VHT40), CH6, Chain 0, Conducted Emission



### TurboQAM (VHT40), CH6, Chain 0, Band edge



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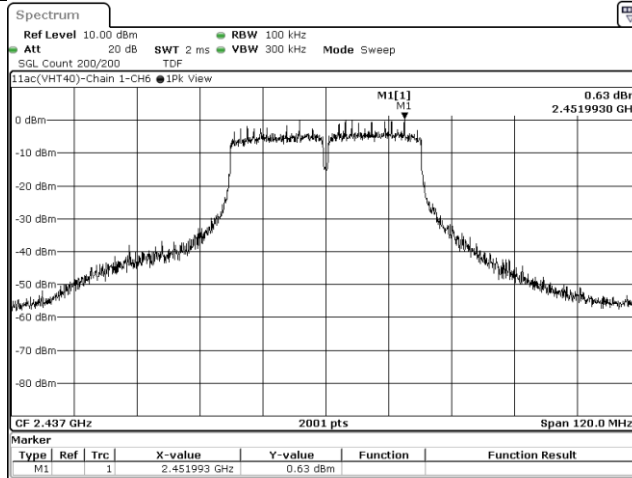
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

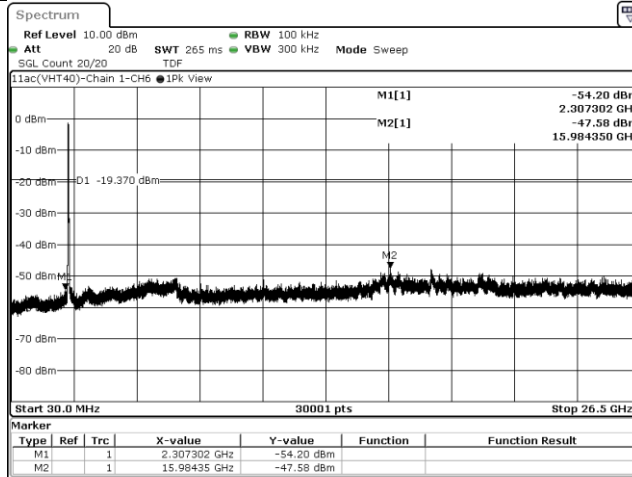
Facsimile (FAX) : +886-3-583-7948



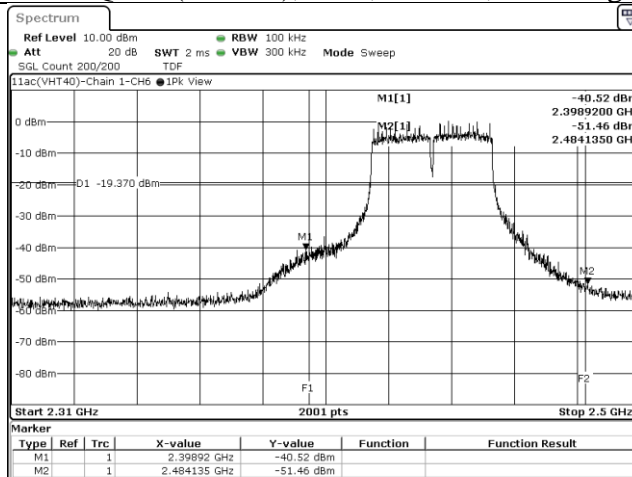
### TurboQAM (VHT40), CH6, Chain 1, Reference



### TurboQAM (VHT40), CH6, Chain 1, Conducted Emission



### TurboQAM (VHT40), CH6, Chain 1, Band edge



## Underwriters Laboratories Taiwan Co., Ltd.

Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

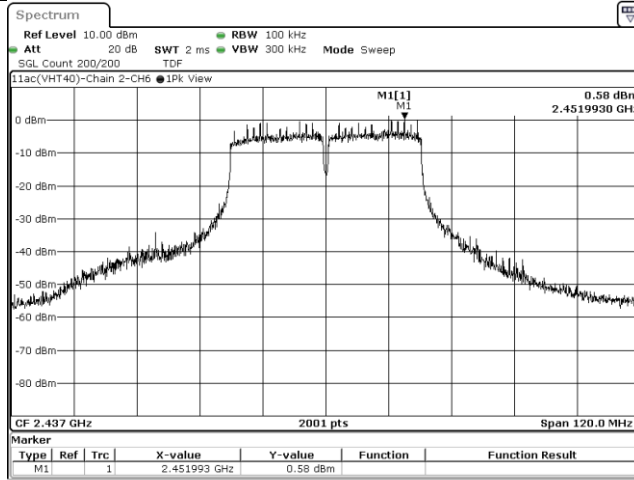
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

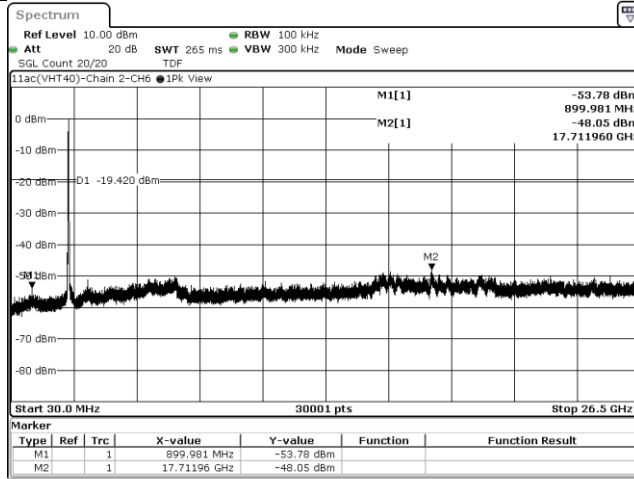
Doc No: 17-EM-F0876 / 6.0



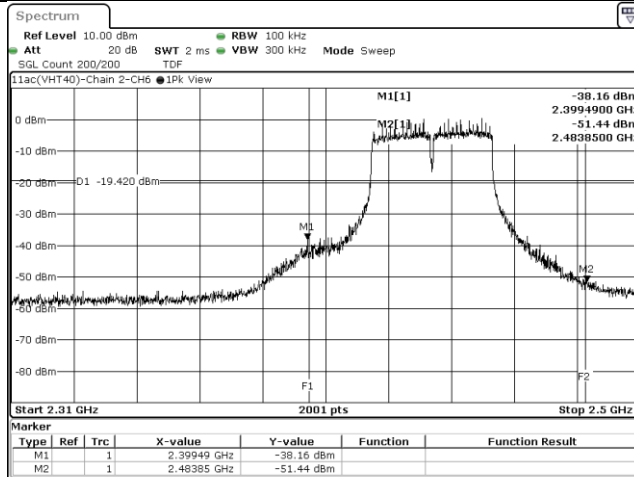
### TurboQAM (VHT40), CH6, Chain 2, Reference



### TurboQAM (VHT40), CH6, Chain 2, Conducted Emission



### TurboQAM (VHT40), CH6, Chain 2, Band edge



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Telephone : +886-2-7737-3000

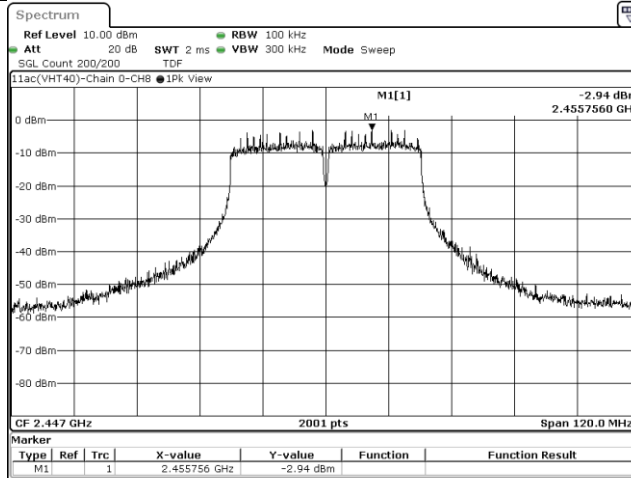
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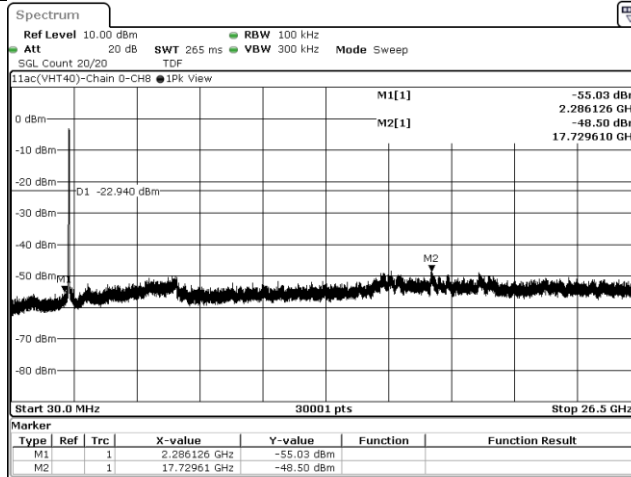




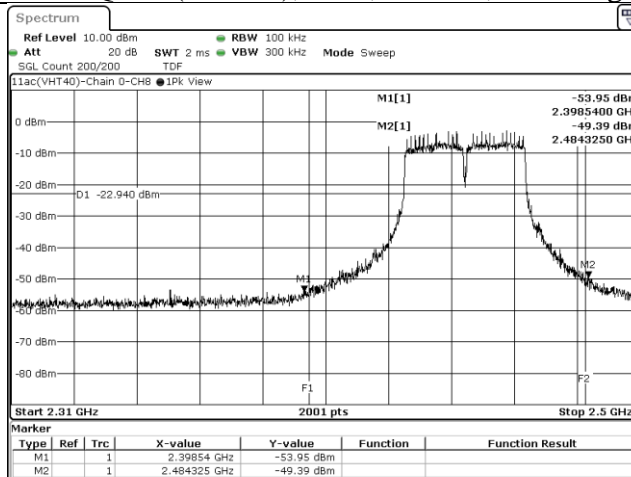
### TurboQAM (VHT40), CH8, Chain 0, Reference



### TurboQAM (VHT40), CH8, Chain 0, Conducted Emission



### TurboQAM (VHT40), CH8, Chain 0, Band edge



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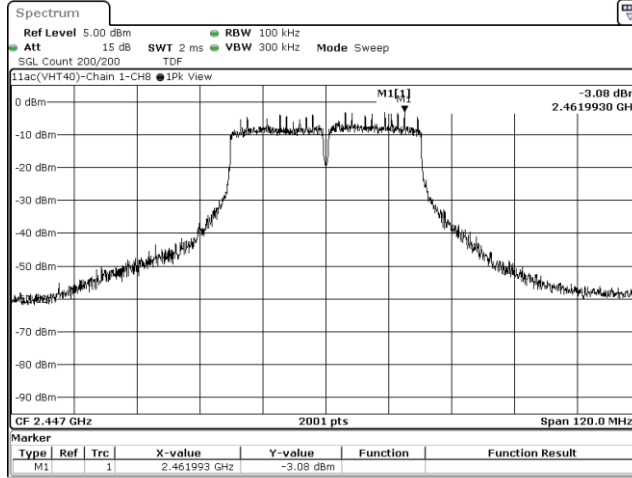
Telephone : +886-2-7737-3000

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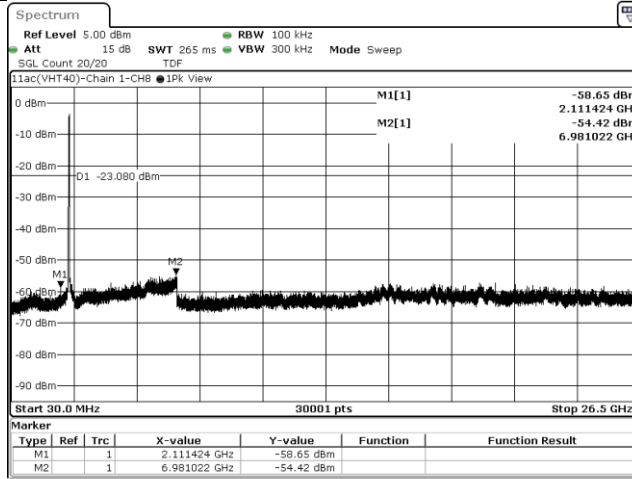
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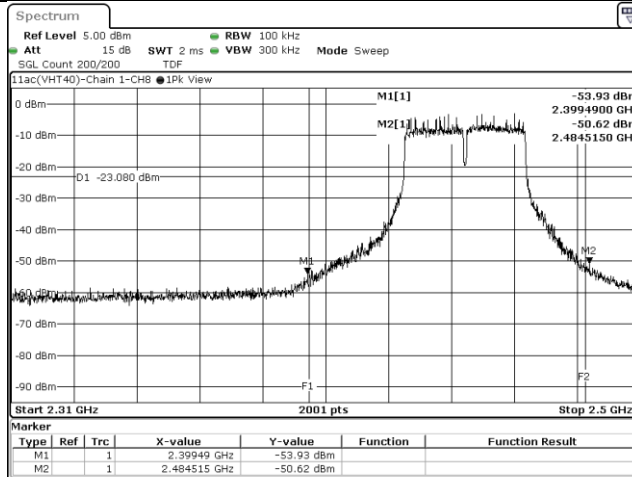
### TurboQAM (VHT40), CH8, Chain 1, Reference



### TurboQAM (VHT40), CH8, Chain 1, Conducted Emission



### TurboQAM (VHT40), CH8, Chain 1, Band edge



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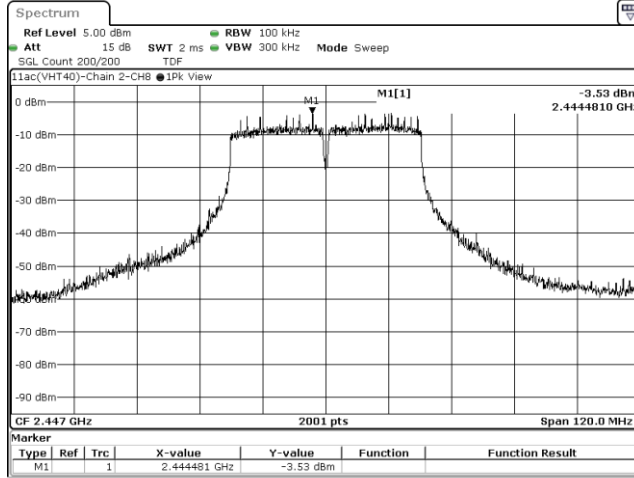
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

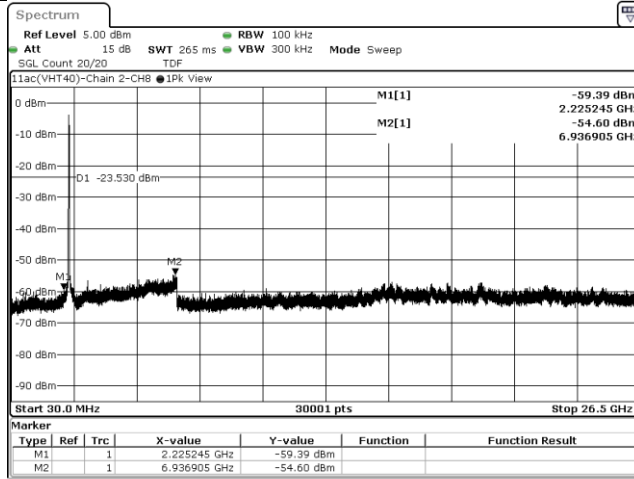
Facsimile (FAX) : +886-3-583-7948



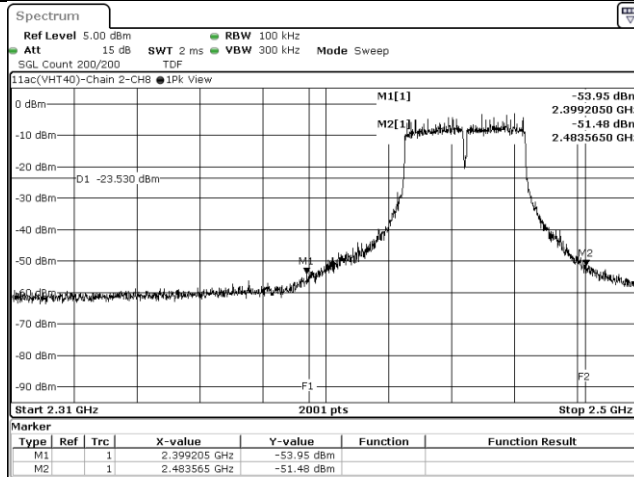
### TurboQAM (VHT40), CH8, Chain 2, Reference



### TurboQAM (VHT40), CH8, Chain 2, Conducted Emission



### TurboQAM (VHT40), CH8, Chain 2, Band edge



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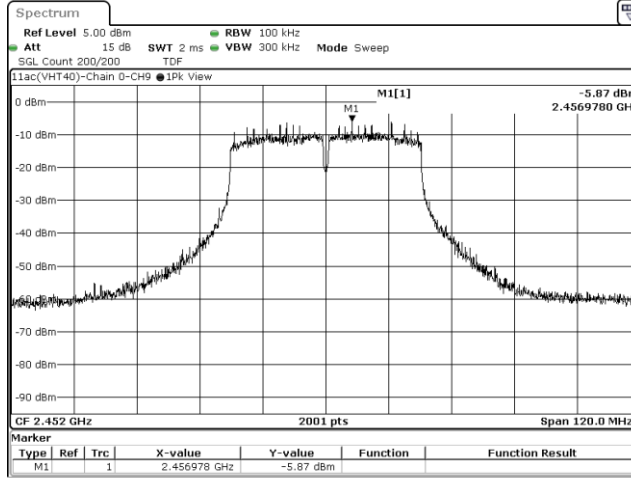
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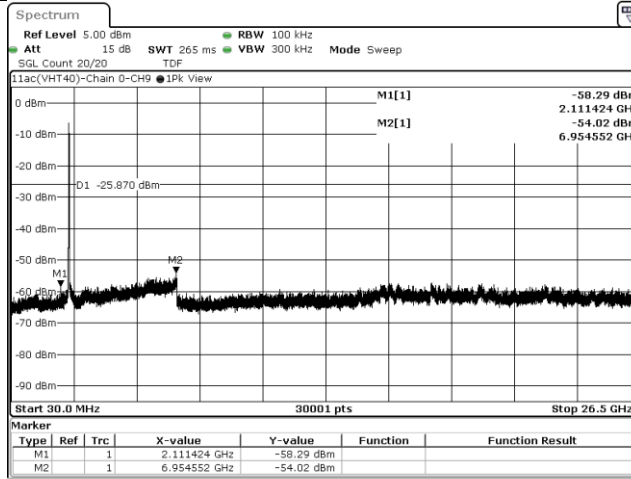
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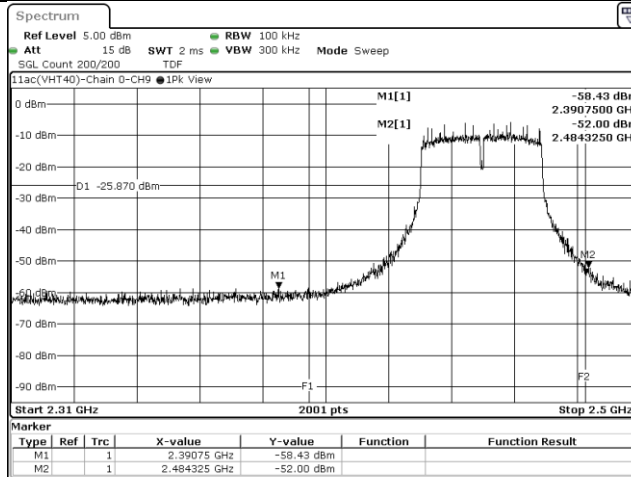
### TurboQAM (VHT40), CH9, Chain 0, Reference



### TurboQAM (VHT40), CH9, Chain 0, Conducted Emission



### TurboQAM (VHT40), CH9, Chain 0, Band edge



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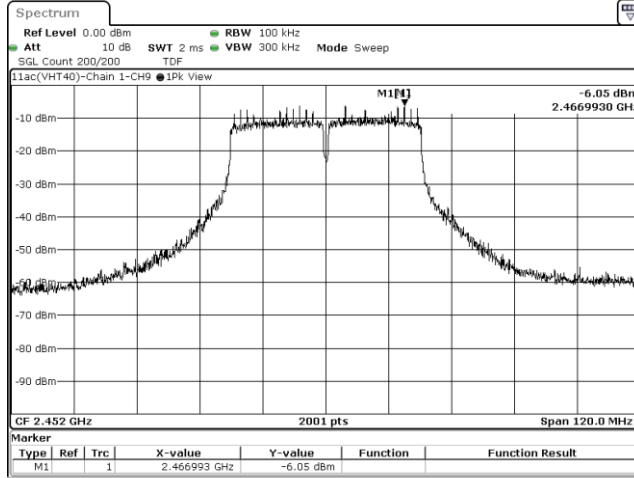
Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

Telephone : +886-2-7737-3000

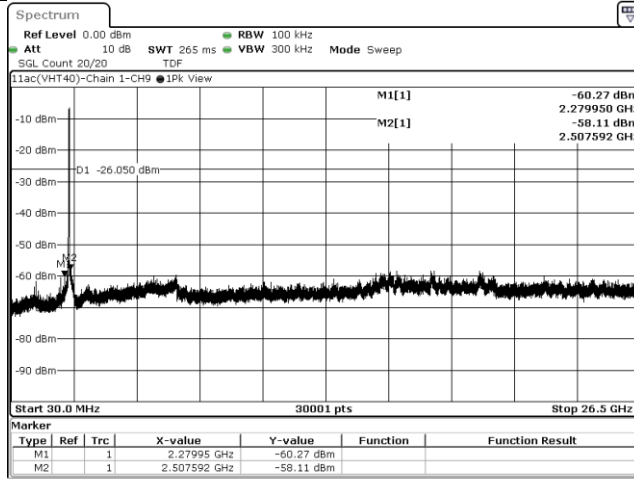
Facsimile (FAX) : +886-3-583-7948



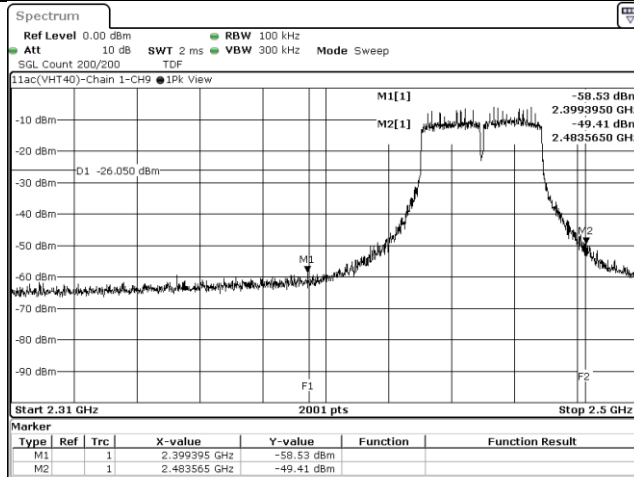
### TurboQAM (VHT40), CH9, Chain 1, Reference



### TurboQAM (VHT40), CH9, Chain 1, Conducted Emission



### TurboQAM (VHT40), CH9, Chain 1, Band edge



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Building B and Building E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan

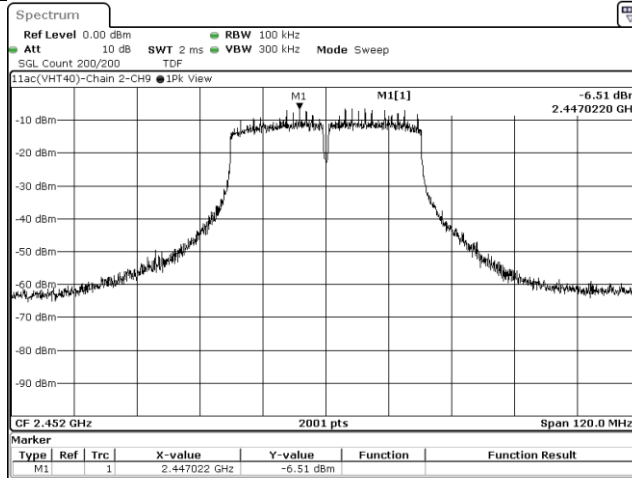
Telephone : +886-2-7737-3000

Facsimile (FAX) : +886-3-583-7948

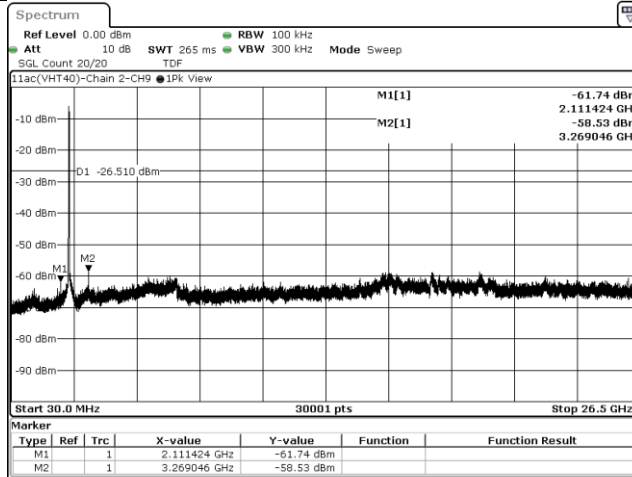
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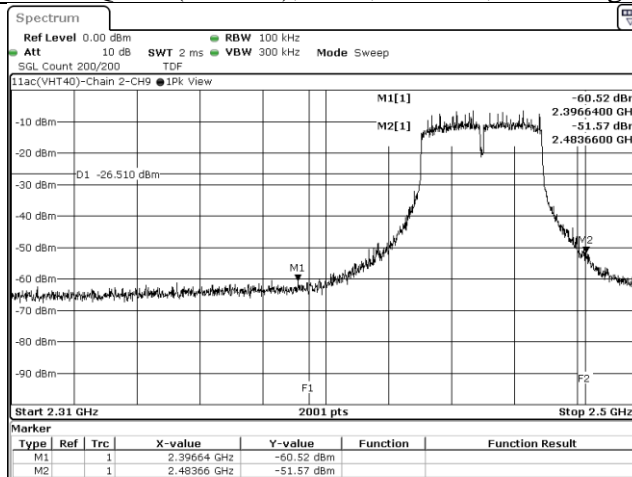
### TurboQAM (VHT40), CH9, Chain 2, Reference



### TurboQAM (VHT40), CH9, Chain 2, Conducted Emission



### TurboQAM (VHT40), CH9, Chain 2, Band edge



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## 9.5. Radiated Spurious Emission

### Requirements

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

Frequency(MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

**NOTE:**

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

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Doc No: 17-EM-F0876 / 6.0



## **Test Procedures**

[For 9 kHz ~ 30 MHz]

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. For measurement below 30MHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

[For above 30 MHz]

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
- f. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

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