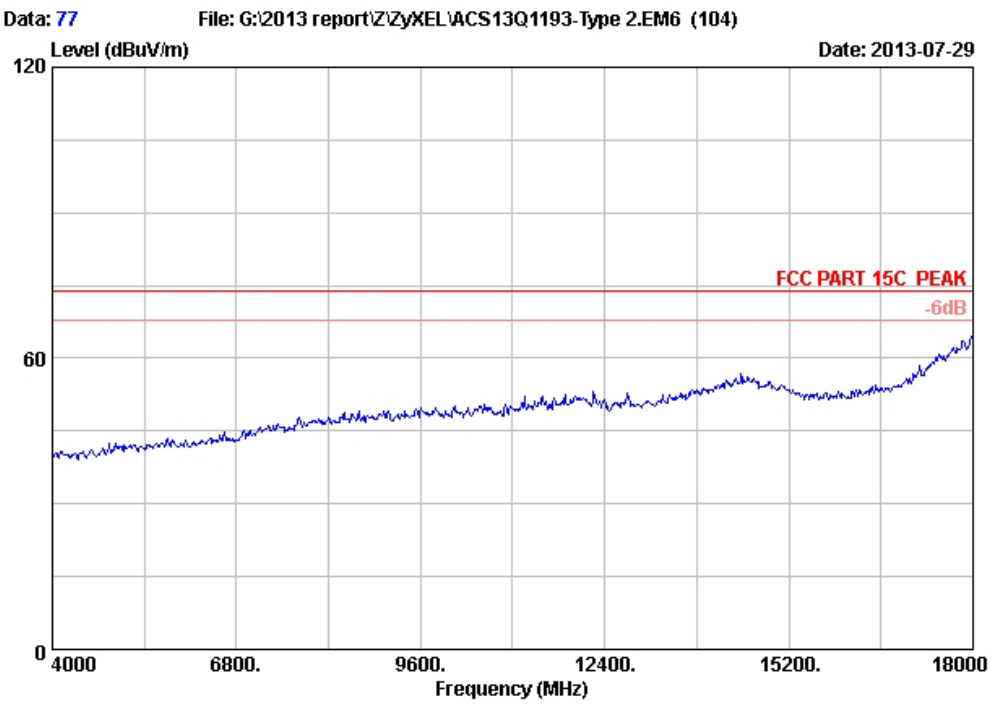
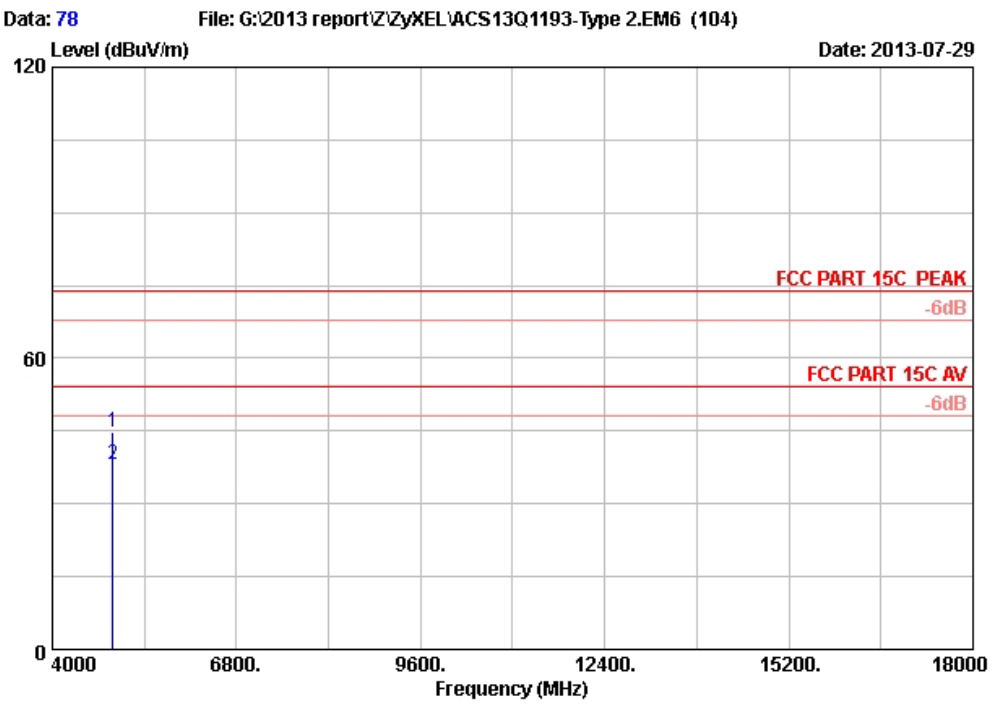


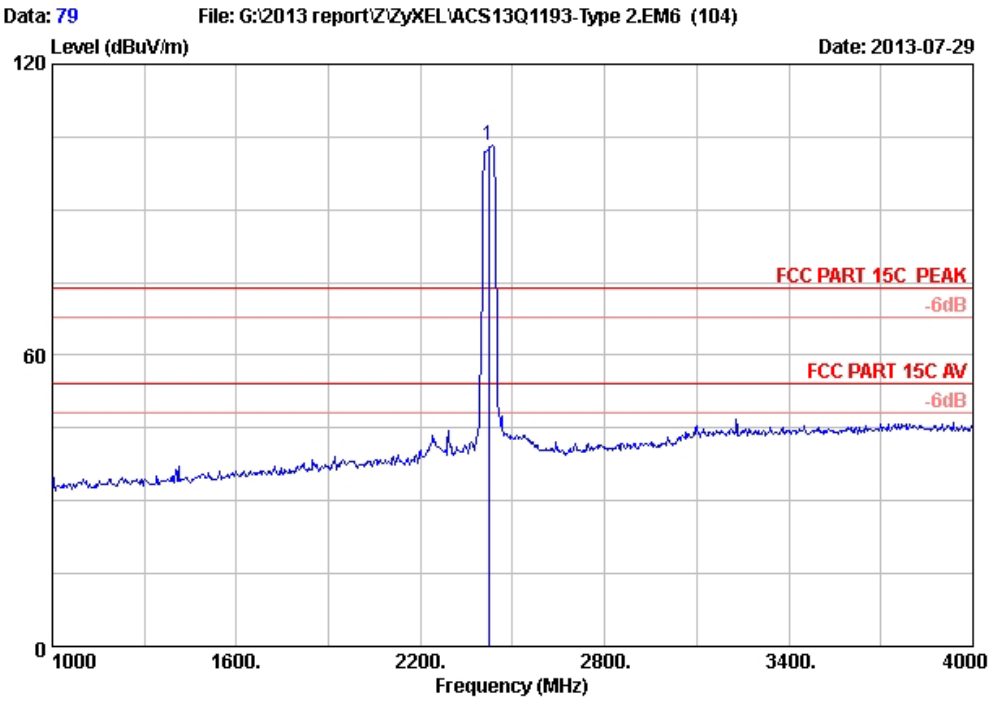

```
Site no.      : 3m Chamber                Data no.  : 77
Dis. / Ant.   : 3m   2011 3115 4580       Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer  : Leo-Li
EUT           : Wireless N ADSL2+ 4-port Gateway
Power supply  : DC 9V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11nHT20  CH11  2462MHz  Tx Mode
M/N           : AMG1302-T10B
              : Type 2
```




Site no. : 3m Chamber Data no. : 78
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4924.000 | 33.08 | 8.62 | 34.60 | 37.85 | 44.95 | 74.00 | 29.05 | Peak |
| 2 | 4924.000 | 33.08 | 8.62 | 34.60 | 31.06 | 38.16 | 54.00 | 15.84 | Average |

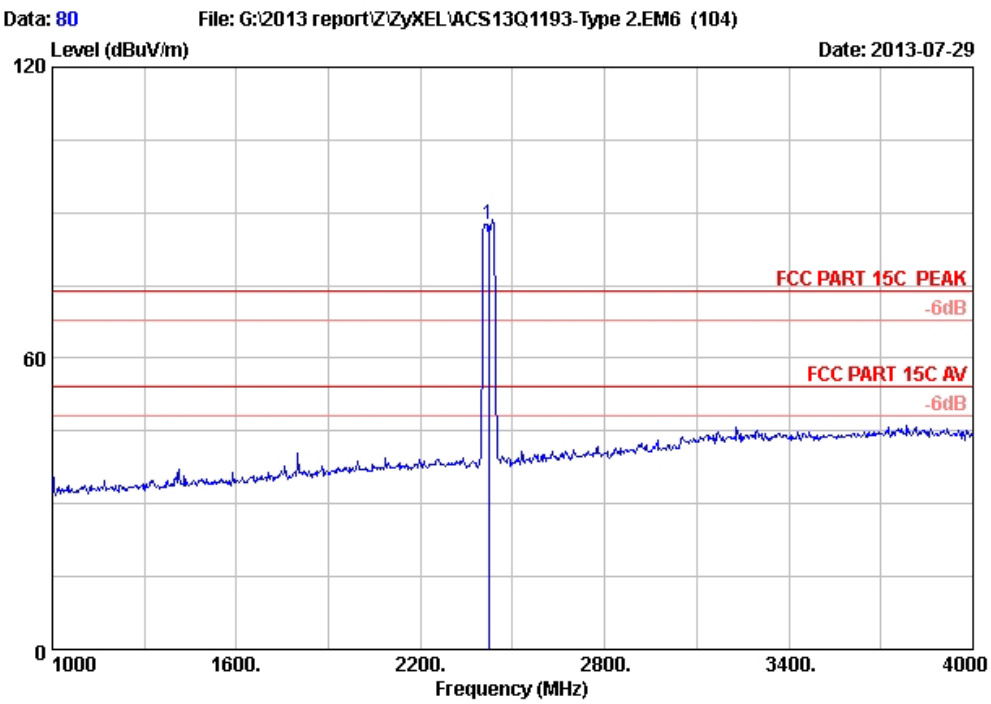
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2422.000 | 28.00 | 6.06 | 34.44 | 103.61 | 103.23 | 74.00 | -29.23 | Peak |

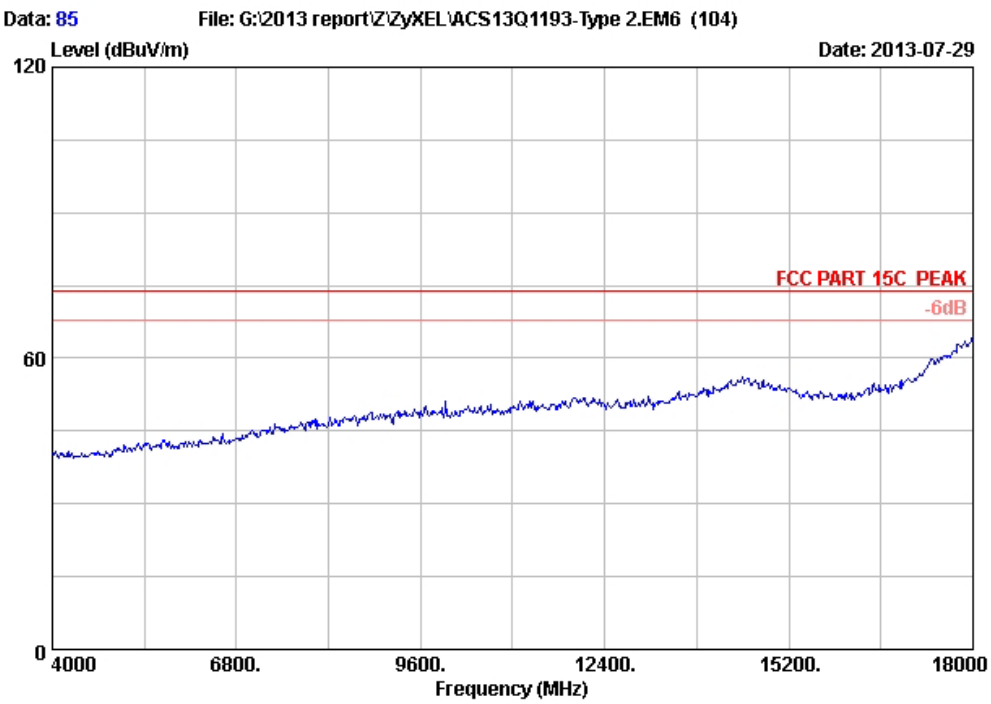
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



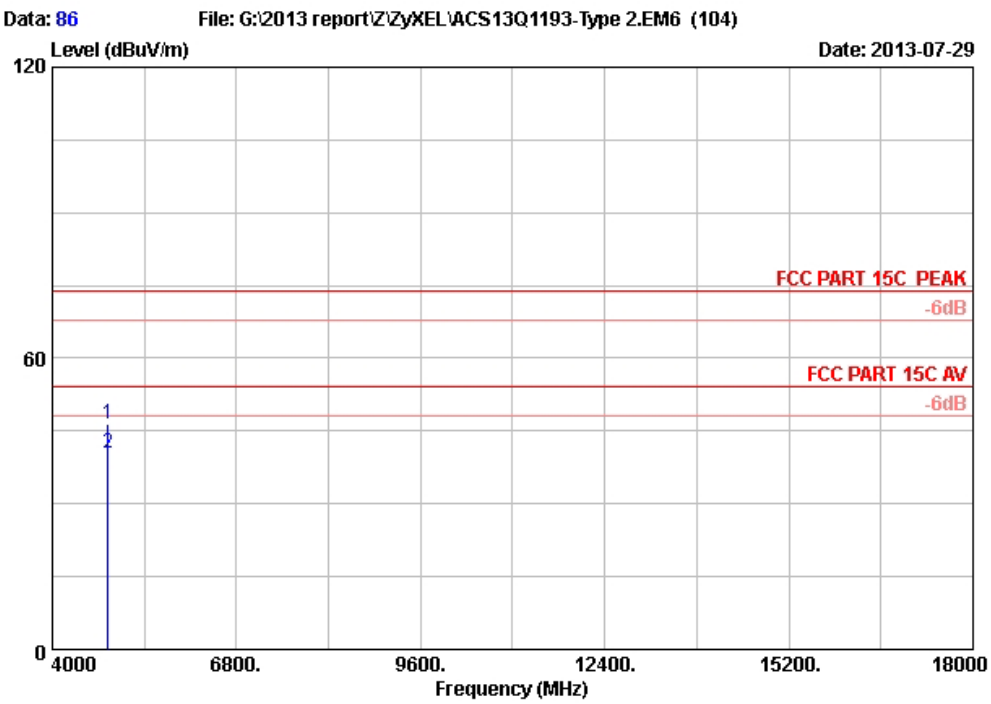

Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2422.000 | 28.00 | 6.06 | 34.44 | 88.12 | 87.74 | 74.00 | -13.74 | Peak |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



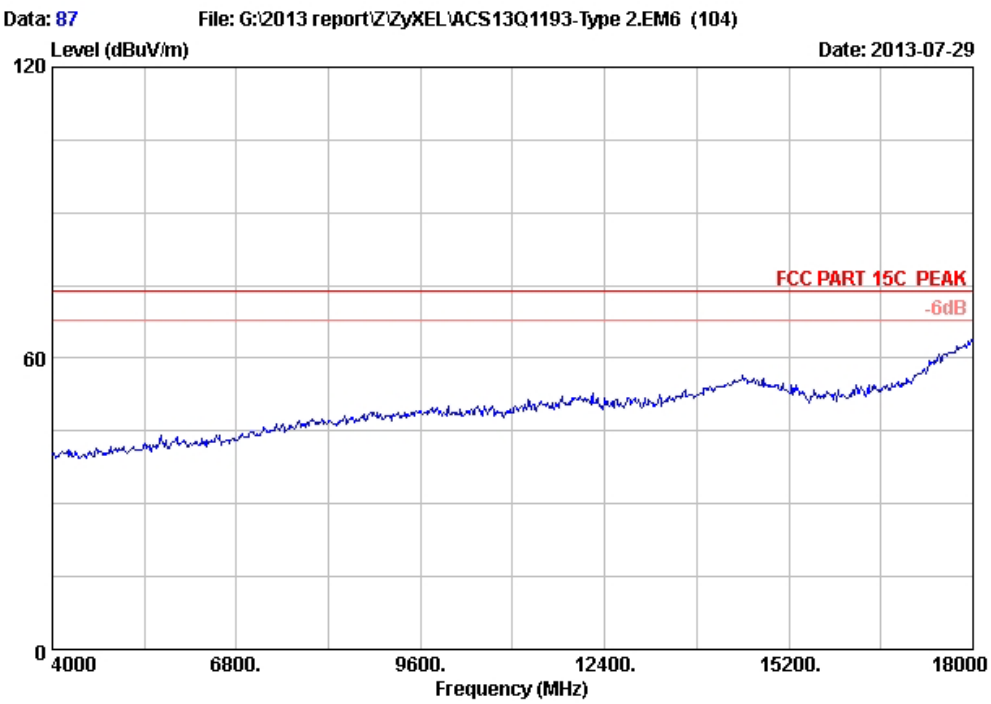

```
Site no.      : 3m Chamber                Data no.   : 85
Dis. / Ant.   : 3m   2011 3115 4580       Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : Wireless N ADSL2+ 4-port Gateway
Power supply  : DC 9V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH1  2422MHz  Tx Mode
M/N           : AMG1302-T10B
              : Type 2
```



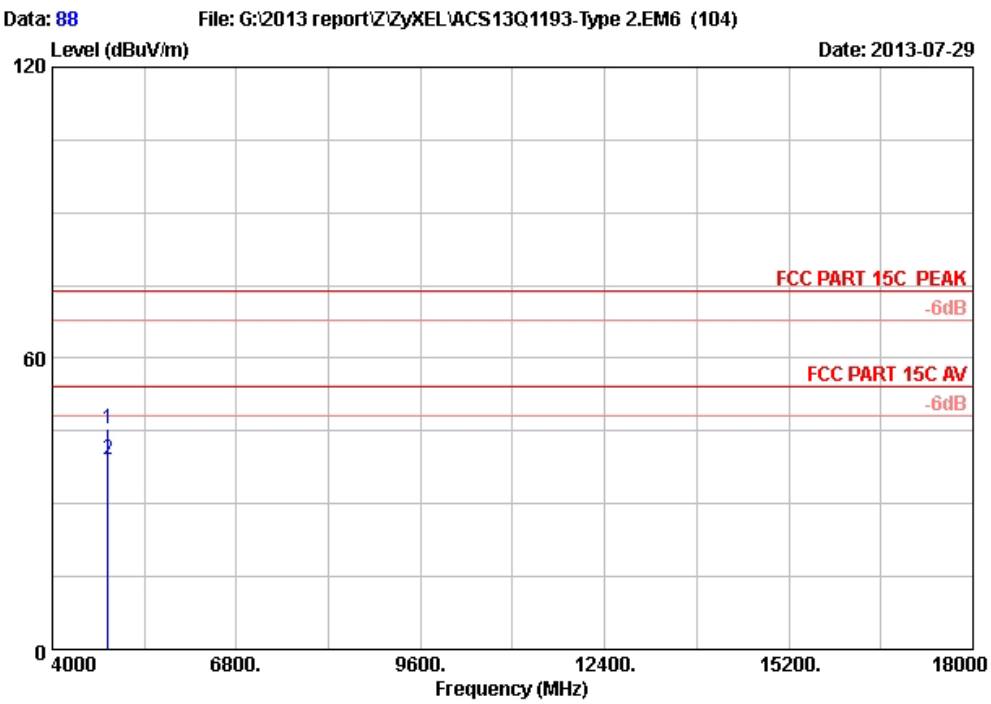

Site no. : 3m Chamber Data no. : 86
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4844.000 | 32.92 | 8.55 | 34.60 | 39.52 | 46.39 | 74.00 | 27.61 | Peak |
| 2 | 4844.000 | 32.92 | 8.55 | 34.60 | 33.42 | 40.29 | 54.00 | 13.71 | Average |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



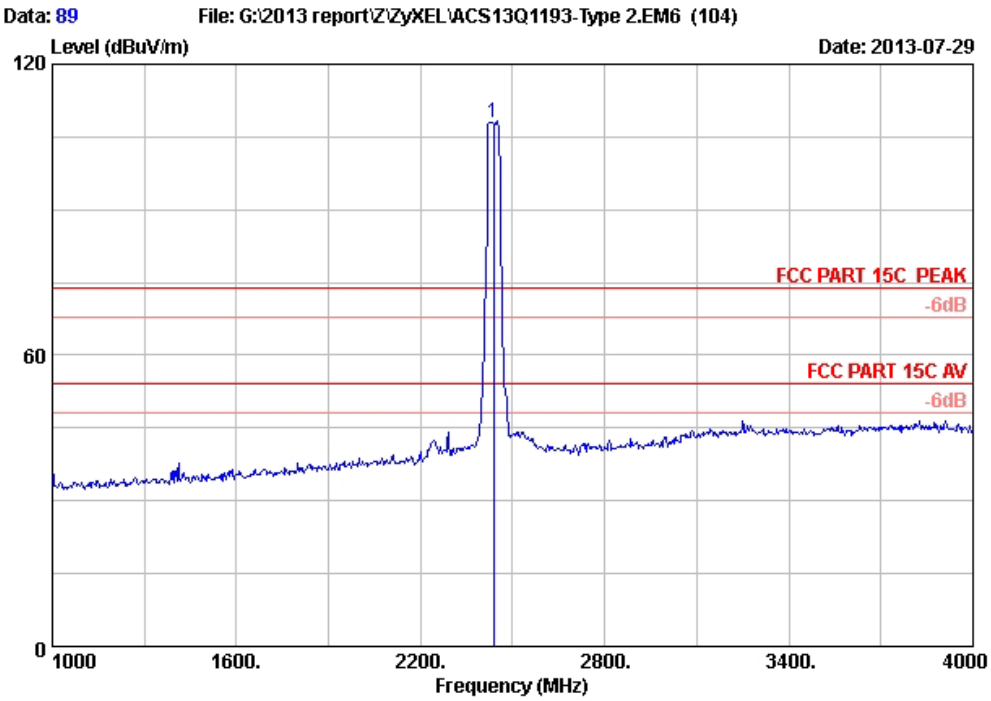

```
Site no.      : 3m Chamber                Data no.   : 87
Dis. / Ant.   : 3m   2011 3115 4580       Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : Wireless N ADSL2+ 4-port Gateway
Power supply  : DC 9V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH1  2422MHz  Tx Mode
M/N           : AMG1302-T10B
              : Type 2
```




Site no. : 3m Chamber Data no. : 88
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4844.000 | 32.92 | 8.55 | 34.60 | 38.73 | 45.60 | 74.00 | 28.40 | Peak |
| 2 | 4844.000 | 32.92 | 8.55 | 34.60 | 32.12 | 38.99 | 54.00 | 15.01 | Average |

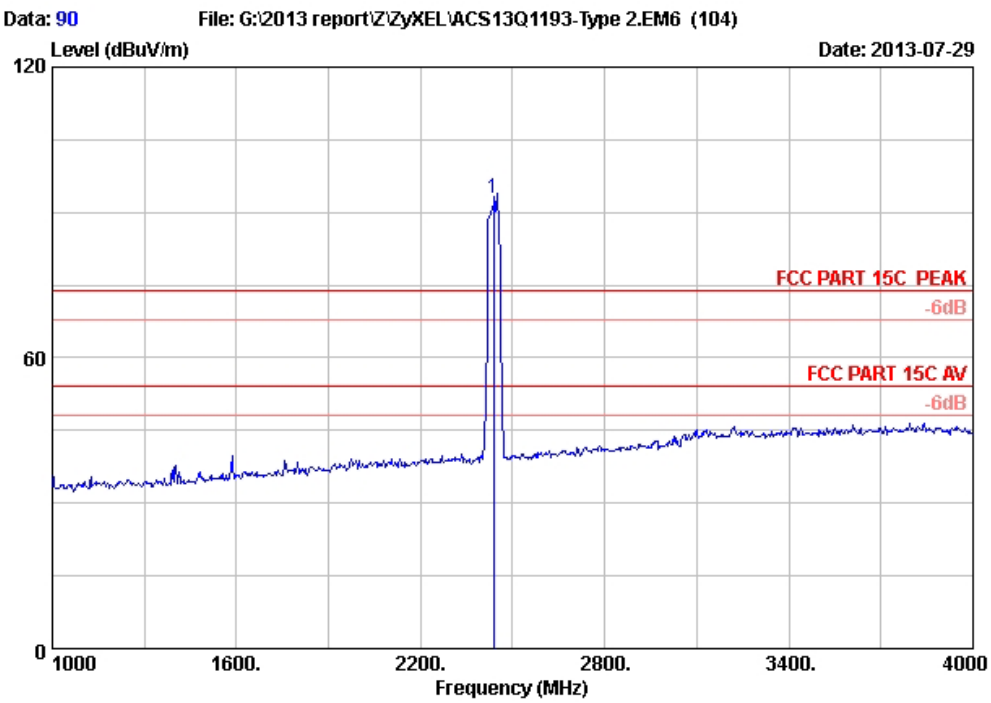
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 89
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2437.000 | 28.03 | 6.06 | 34.44 | 108.33 | 107.98 | 74.00 | -33.98 | Peak |

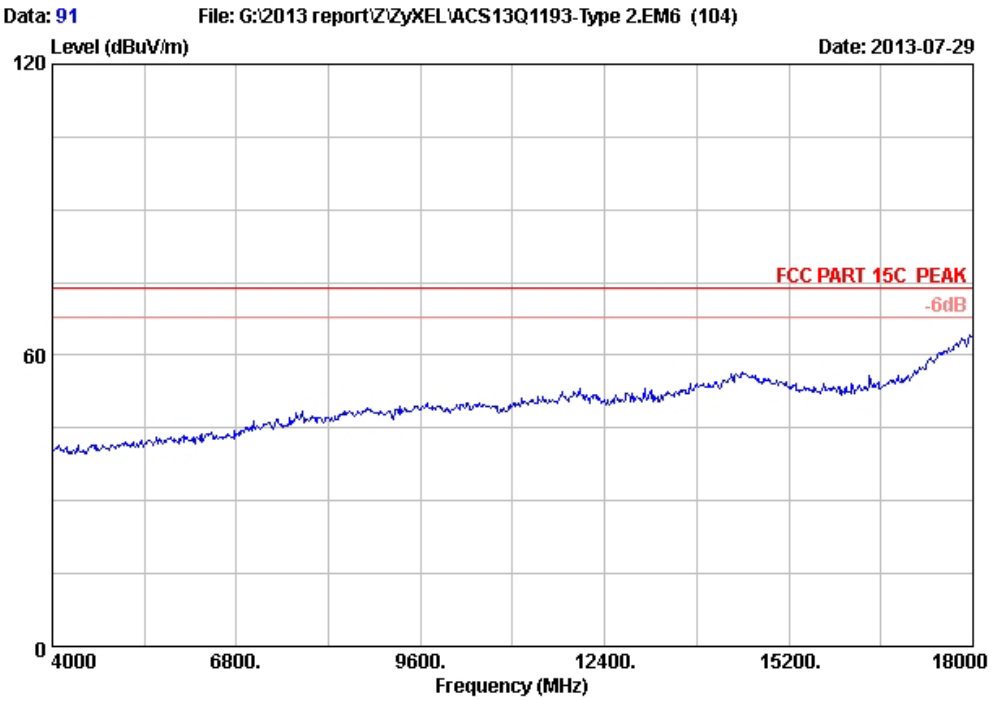
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



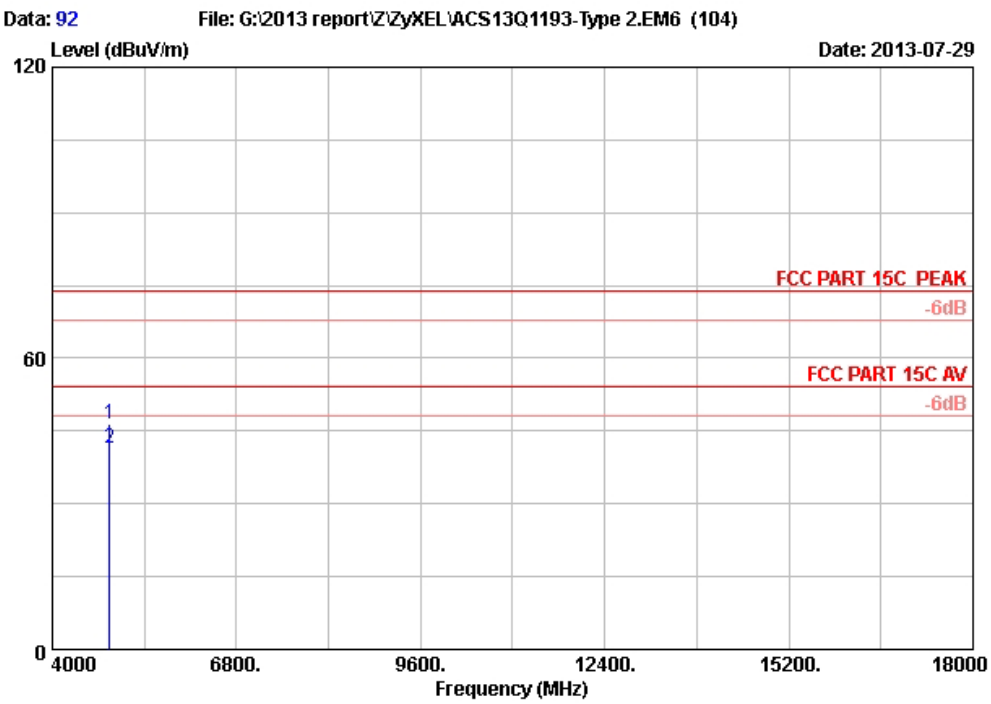

Site no. : 3m Chamber Data no. : 90
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2437.000 | 28.03 | 6.06 | 34.44 | 93.18 | 92.83 | 74.00 | -18.83 | Peak |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



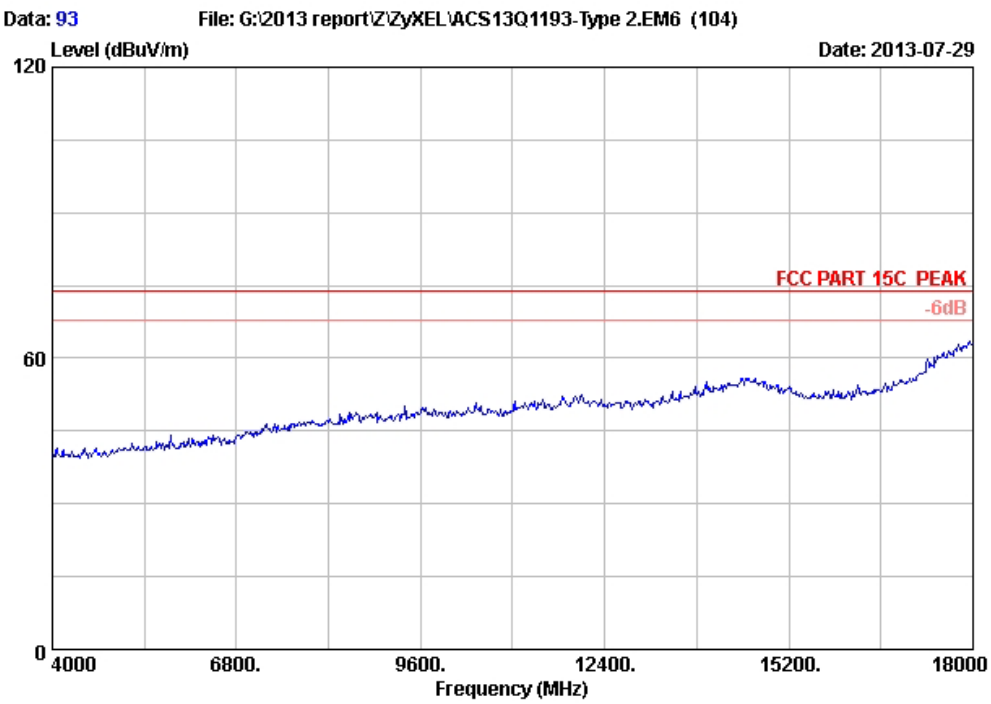

```
Site no.      : 3m Chamber                Data no.   : 91
Dis. / Ant.   : 3m   2011 3115 4580       Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : Wireless N ADSL2+ 4-port Gateway
Power supply  : DC 9V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH4  2437MHz  Tx Mode
M/N           : AMG1302-T10B
              : Type 2
```



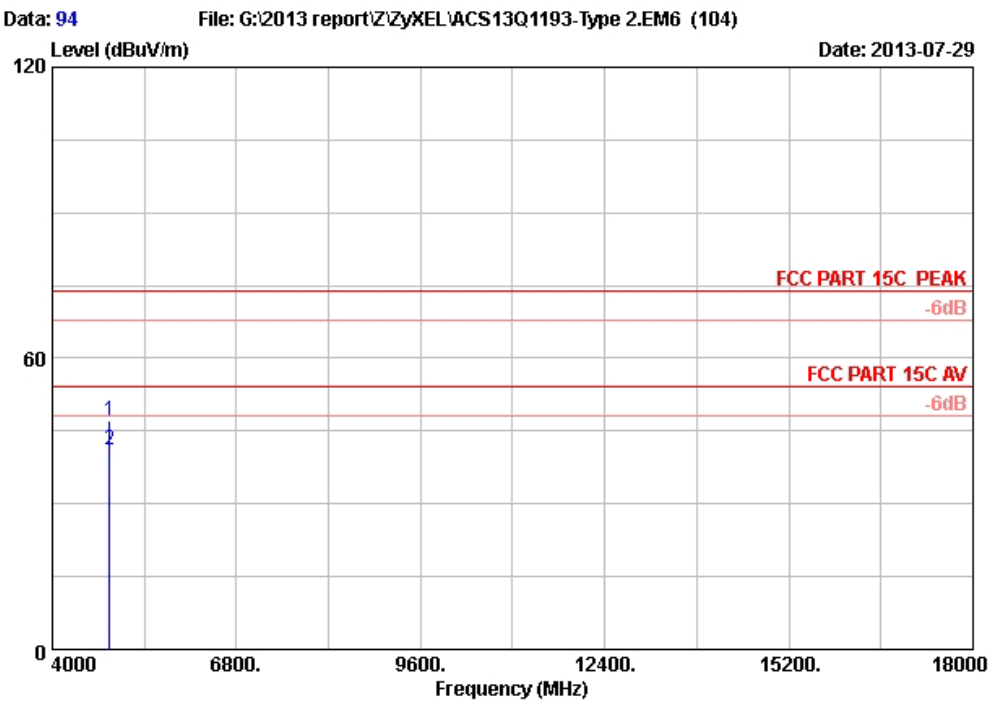

Site no. : 3m Chamber Data no. : 92
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4874.000 | 32.98 | 8.58 | 34.60 | 39.53 | 46.49 | 74.00 | 27.51 | Peak |
| 2 | 4874.000 | 32.98 | 8.58 | 34.60 | 34.46 | 41.42 | 54.00 | 12.58 | Average |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



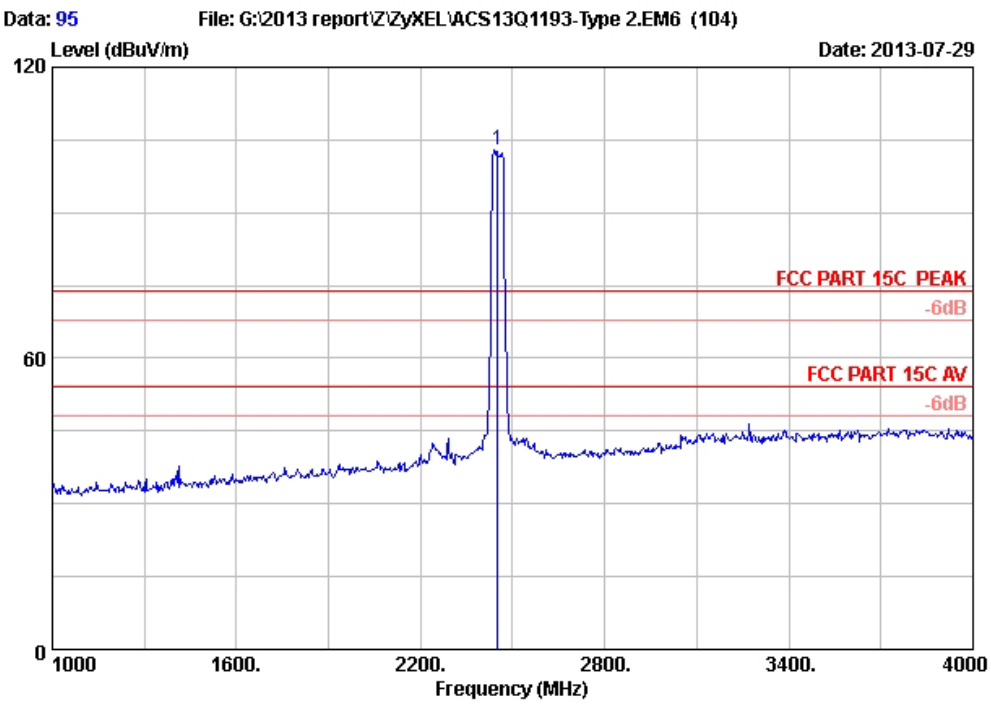

```
Site no.      : 3m Chamber                Data no.   : 93
Dis. / Ant.   : 3m   2011 3115 4580       Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : Wireless N ADSL2+ 4-port Gateway
Power supply  : DC 9V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH4  2437MHz  Tx Mode
M/N           : AMG1302-T10B
              : Type 2
```




Site no. : 3m Chamber Data no. : 94
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH4 2437MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4874.000 | 32.98 | 8.58 | 34.60 | 40.20 | 47.16 | 74.00 | 26.84 | Peak |
| 2 | 4874.000 | 32.98 | 8.58 | 34.60 | 34.10 | 41.06 | 54.00 | 12.94 | Average |

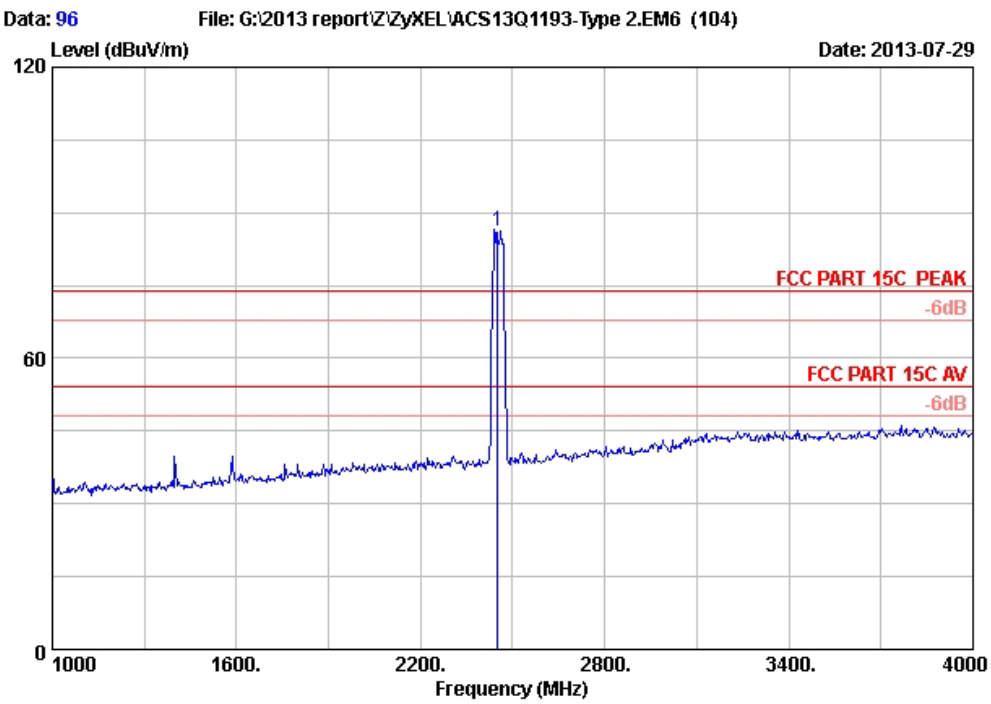
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 95
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2452.000 | 28.03 | 6.09 | 34.44 | 103.32 | 103.00 | 74.00 | -29.00 | Peak |

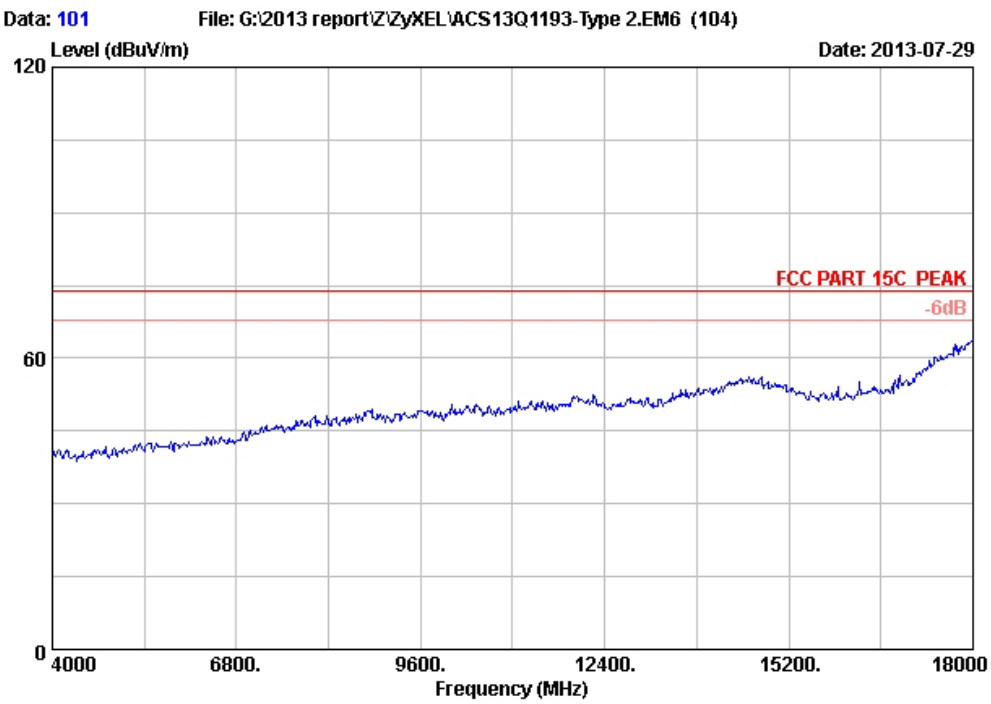
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



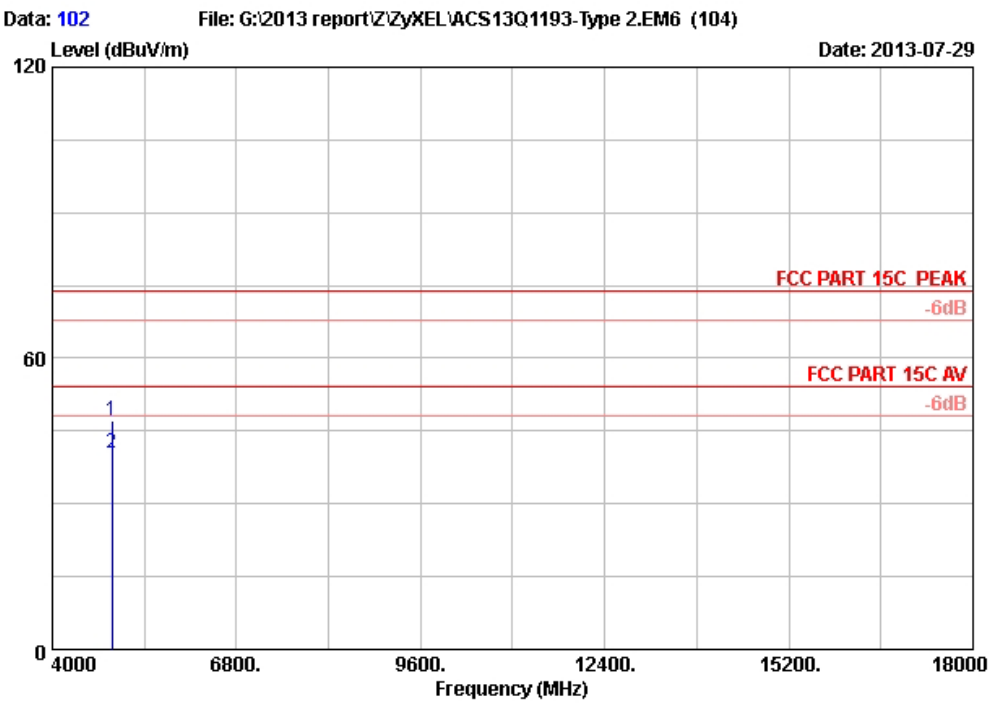

Site no. : 3m Chamber Data no. : 96
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2452.000 | 28.03 | 6.09 | 34.44 | 86.71 | 86.39 | 74.00 | -12.39 | Peak |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



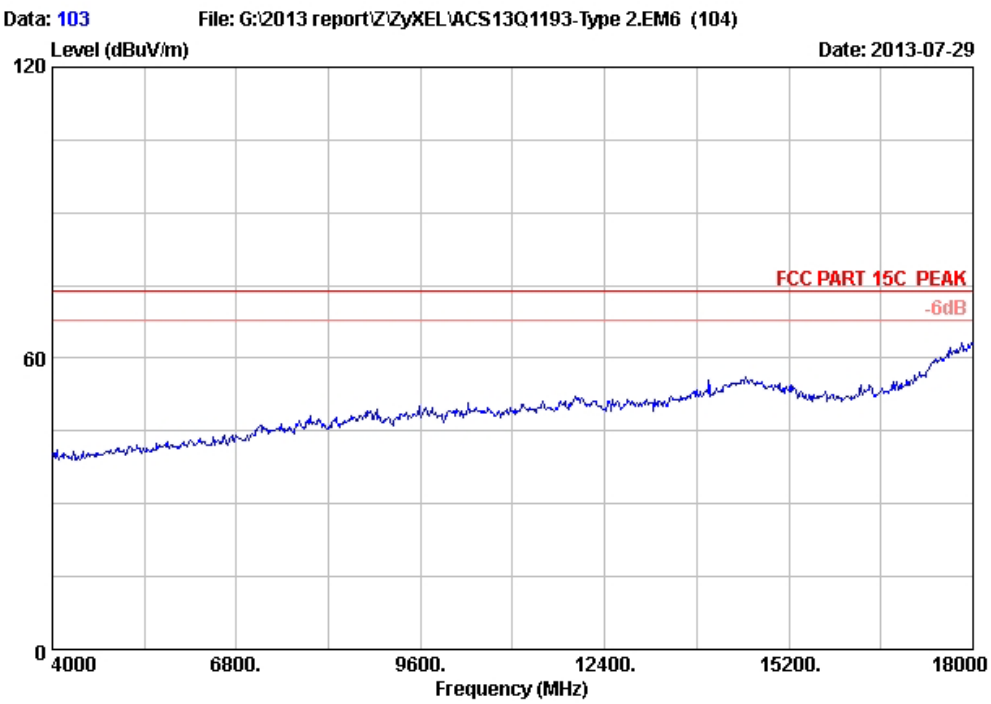

```
Site no.      : 3m Chamber                Data no.   : 101
Dis. / Ant.   : 3m   2011 3115 4580       Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : Wireless N ADSL2+ 4-port Gateway
Power supply  : DC 9V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH7  2452MHz  Tx Mode
M/N           : AMG1302-T10B
              : Type 2
```



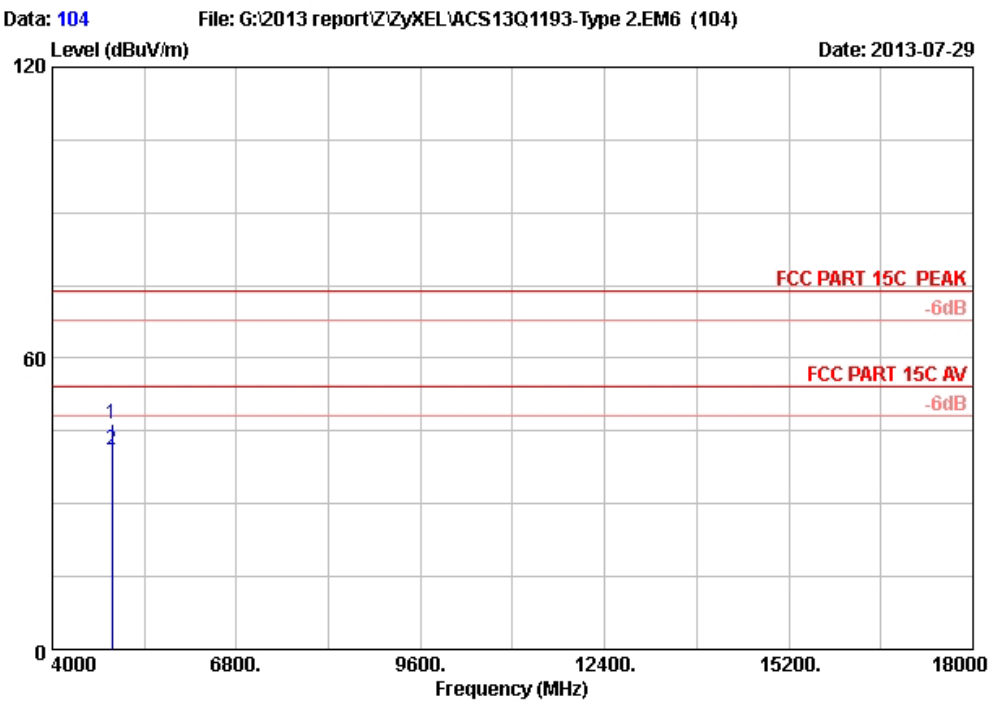

Site no. : 3m Chamber Data no. : 102
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4904.000 | 33.04 | 8.61 | 34.60 | 40.22 | 47.27 | 74.00 | 26.73 | Peak |
| 2 | 4904.000 | 33.04 | 8.61 | 34.60 | 33.55 | 40.60 | 54.00 | 13.40 | Average |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




```
Site no.      : 3m Chamber                Data no.   : 103
Dis. / Ant.   : 3m   2011 3115 4580       Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   : Leo-Li
EUT           : Wireless N ADSL2+ 4-port Gateway
Power supply  : DC 9V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11nHT40  CH7  2452MHz  Tx Mode
M/N           : AMG1302-T10B
              : Type 2
```




Site no. : 3m Chamber Data no. : 104
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4904.000 | 33.04 | 8.61 | 34.60 | 39.39 | 46.44 | 74.00 | 27.56 | Peak |
| 2 | 4904.000 | 33.04 | 8.61 | 34.60 | 34.15 | 41.20 | 54.00 | 12.80 | Average |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

# 5. CONDUCTED SPURIOUS EMISSIONS

## 5.1.Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | Spectrum Analyzer | Agilent | E4446A | US44300459 | May.08, 13 | 1 Year |
| 2. | Attenuator | Agilent | 8491B | MY39262165 | May.08, 13 | 1 Year |
| 3. | RF Cable | Hubersuhner | SUCOFLEX102 | 28618/2 | May.08,13 | 1 Year |

## 5.2.Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

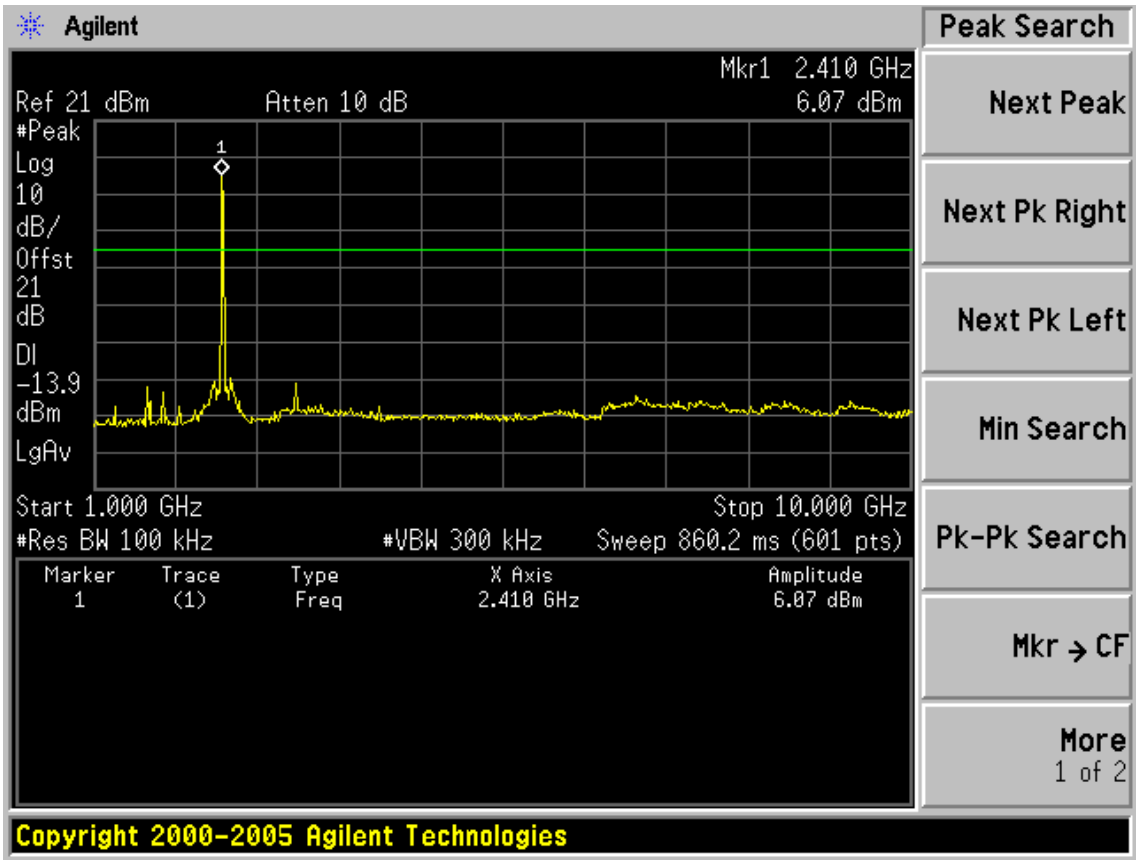
## 5.3.Test Procedure

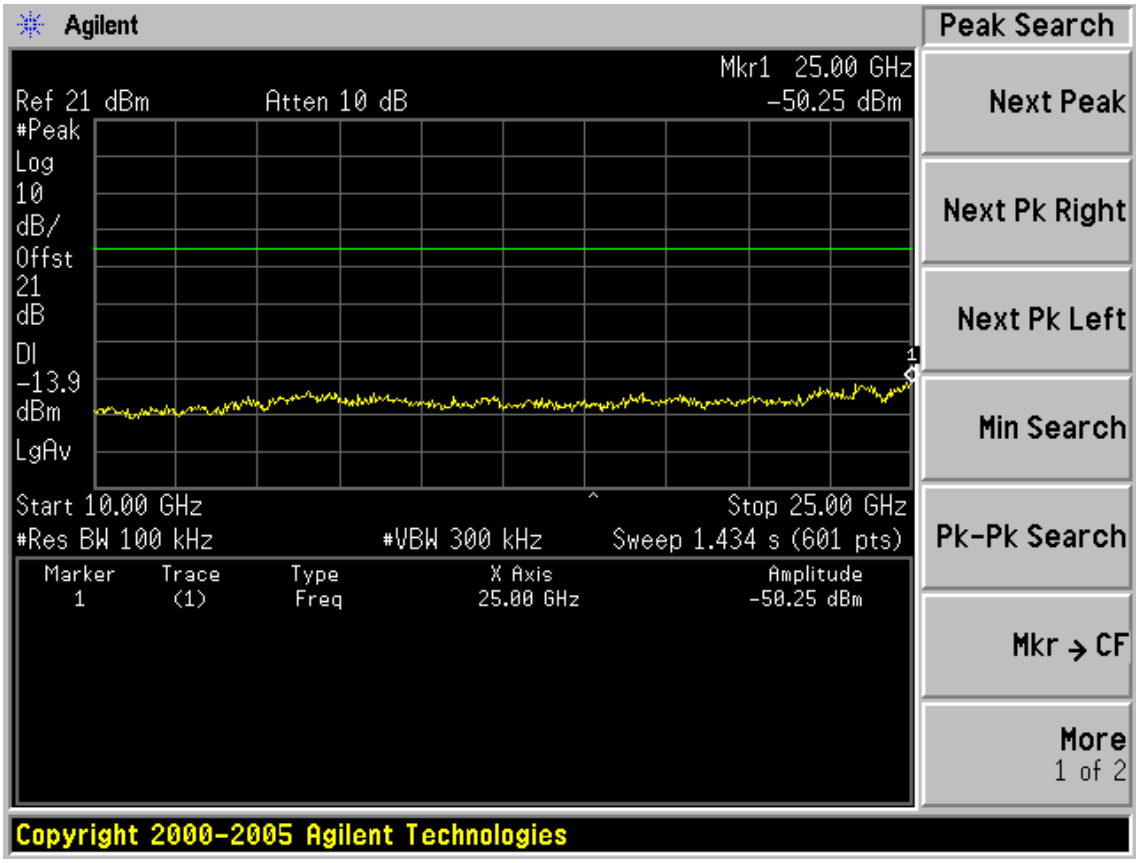
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

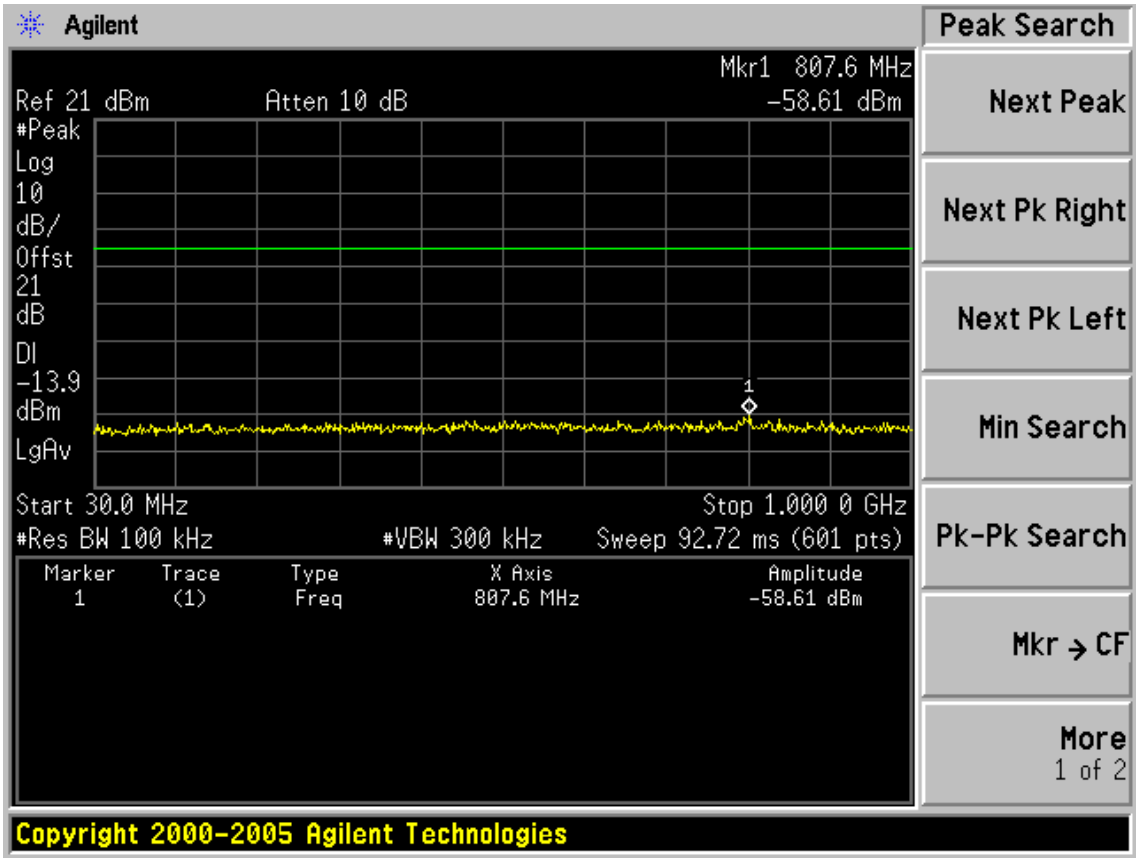
## 5.4.Test result

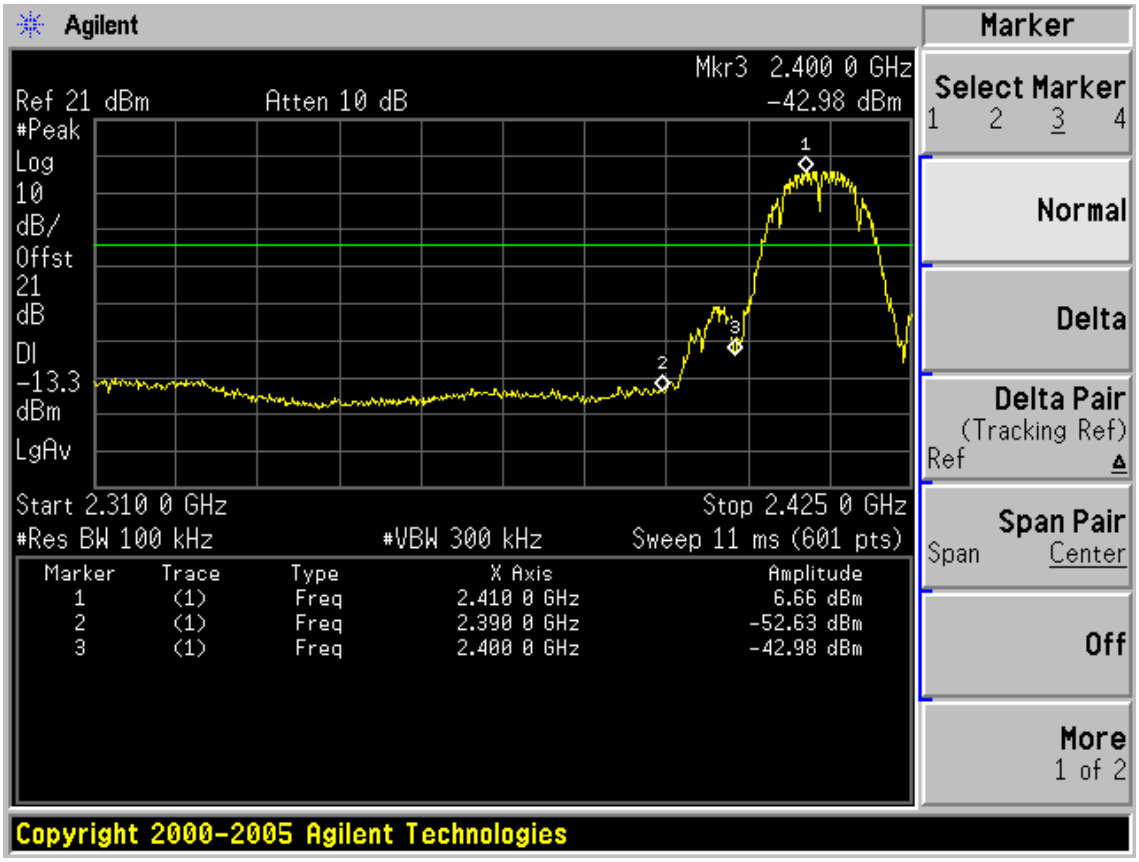
**PASS** (The testing data was attached in the next pages.)

Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz

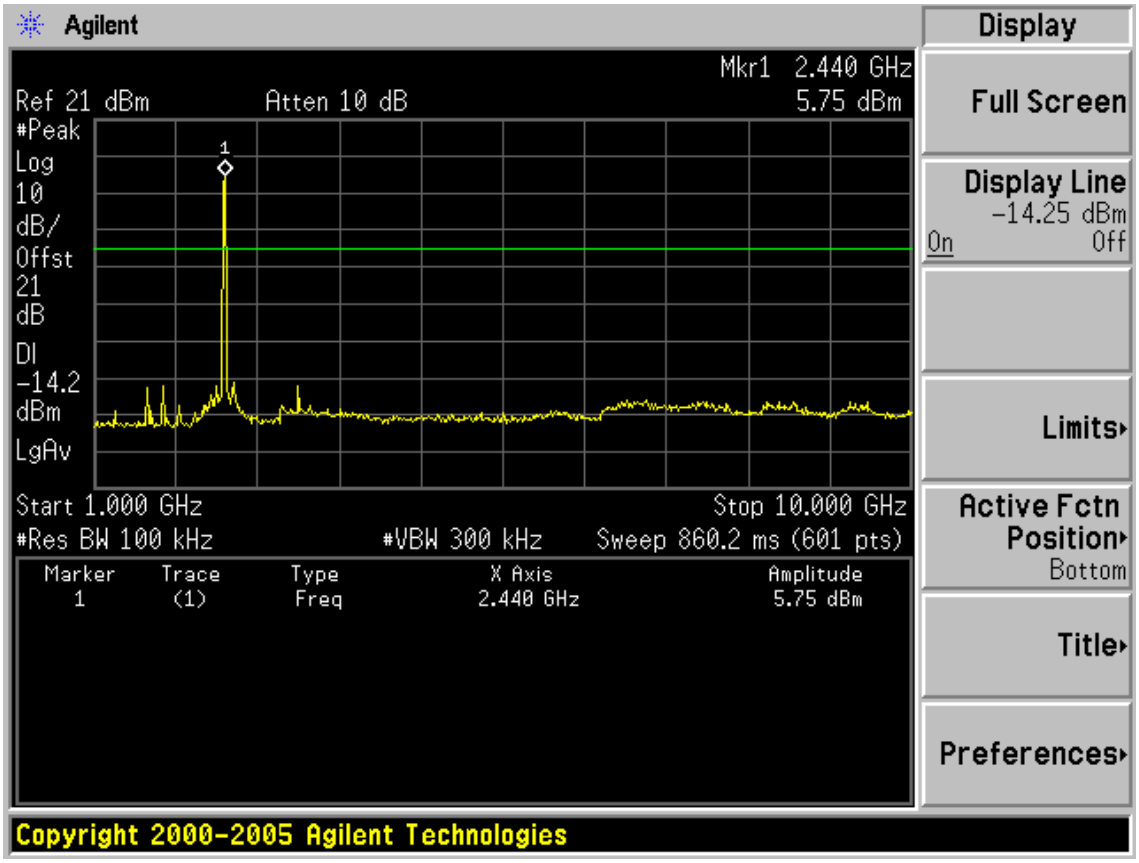


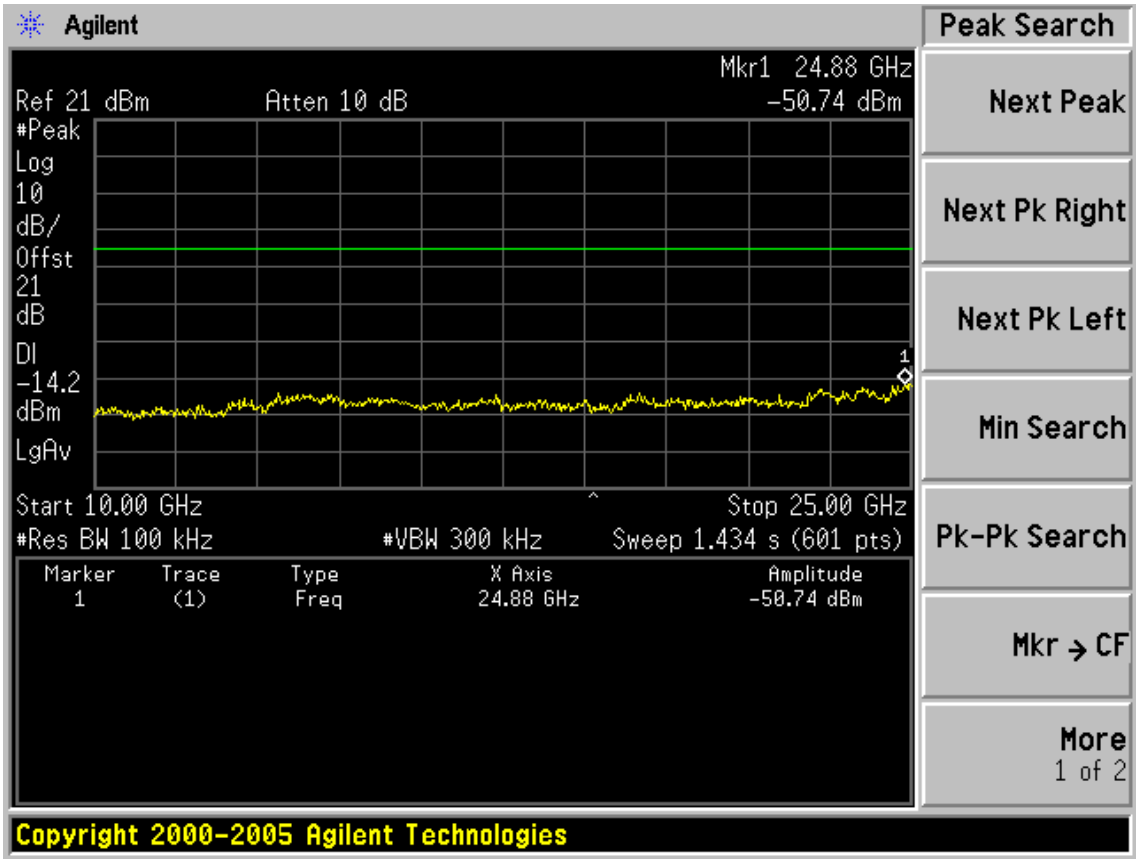



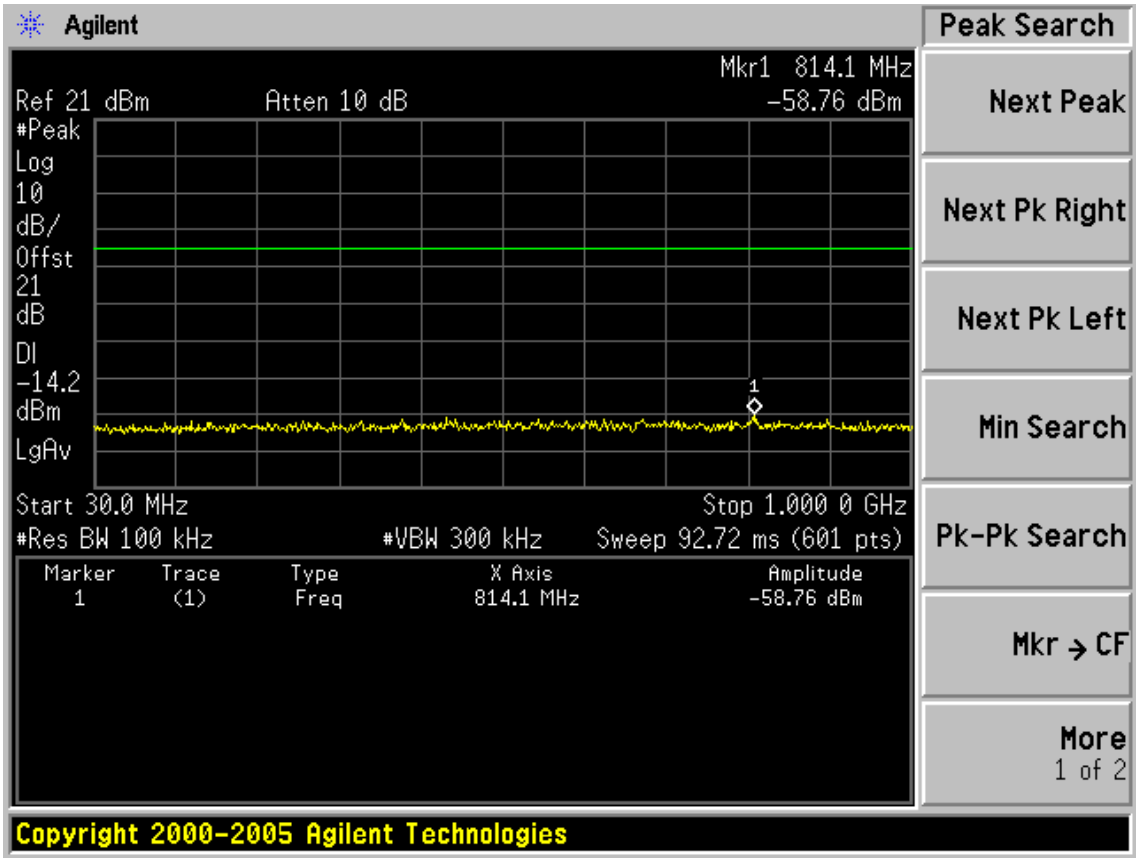

Agilent
Peak Search
Mkr1 807.6 MHz
Ref 21 dBm
Atten 10 dB
-58.61 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-13.9
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 807.6 MHz -58.61 dBm
Copyright 2000-2005 Agilent Technologies


Agilent
Marker
Mkr3 2.400 0 GHz
Ref 21 dBm
Atten 10 dB
-42.98 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-13.3
dBm
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.310 0 GHz
Stop 2.425 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 11 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.410 0 GHz 6.66 dBm
2 (1) Freq 2.390 0 GHz -52.63 dBm
3 (1) Freq 2.400 0 GHz -42.98 dBm
Copyright 2000-2005 Agilent Technologies

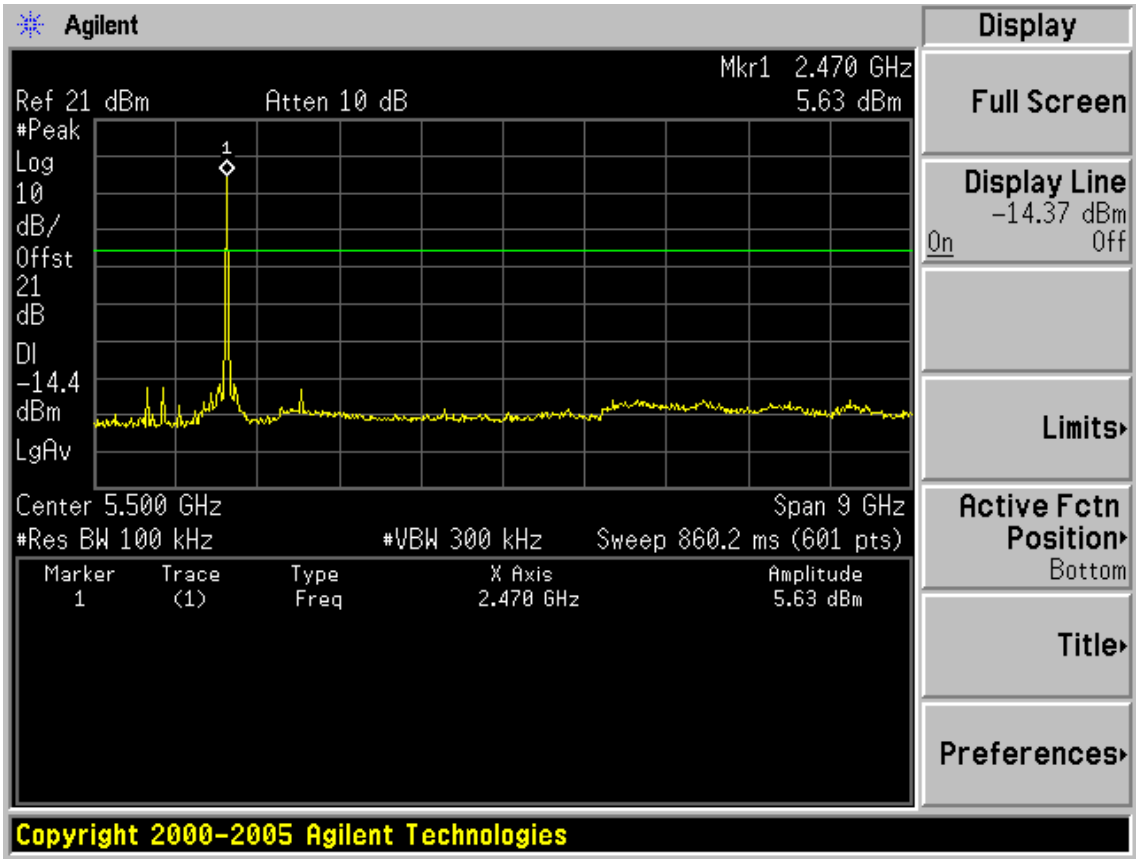
Test CH6: 2437MHz

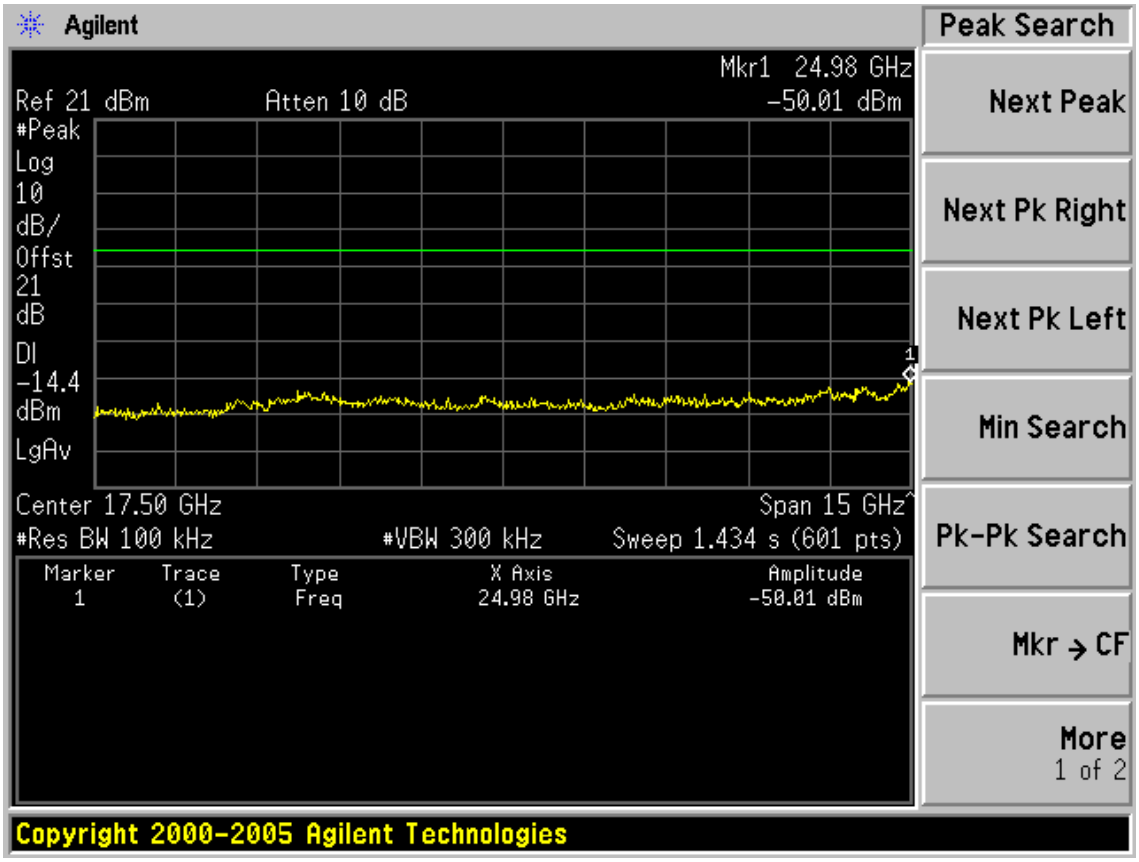


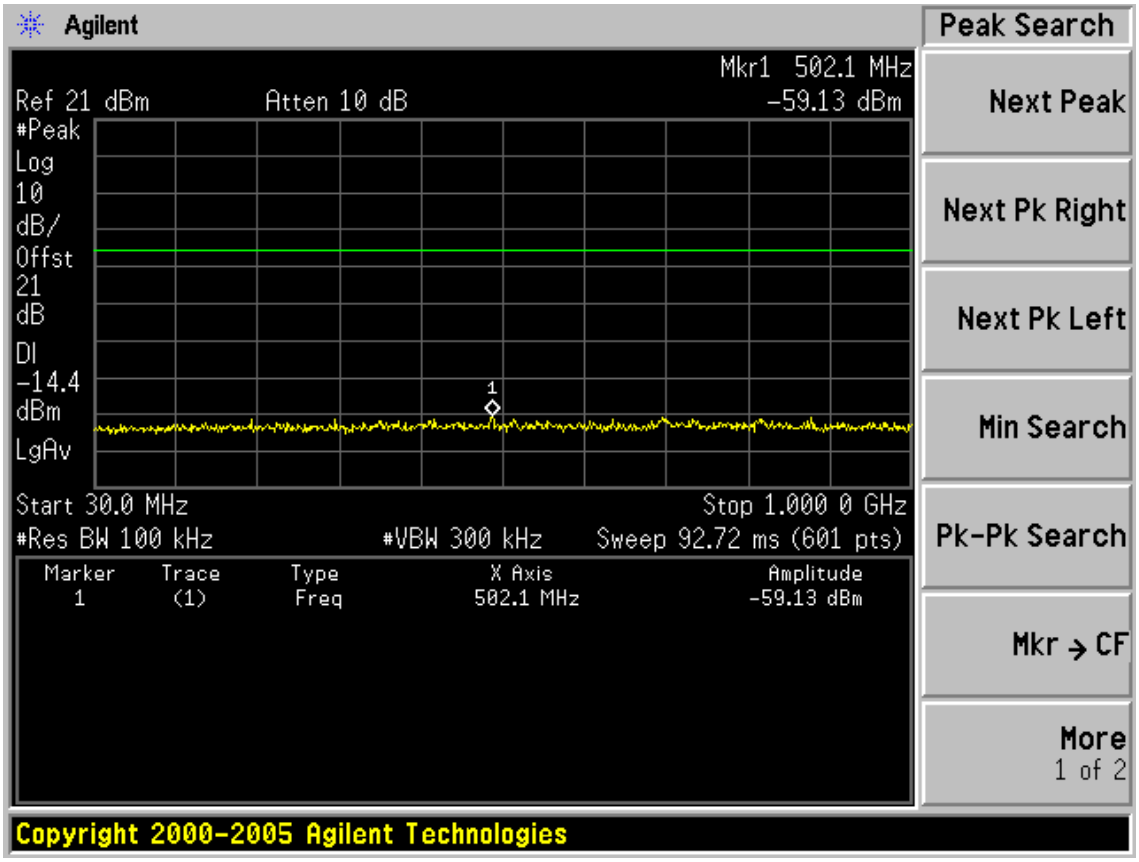



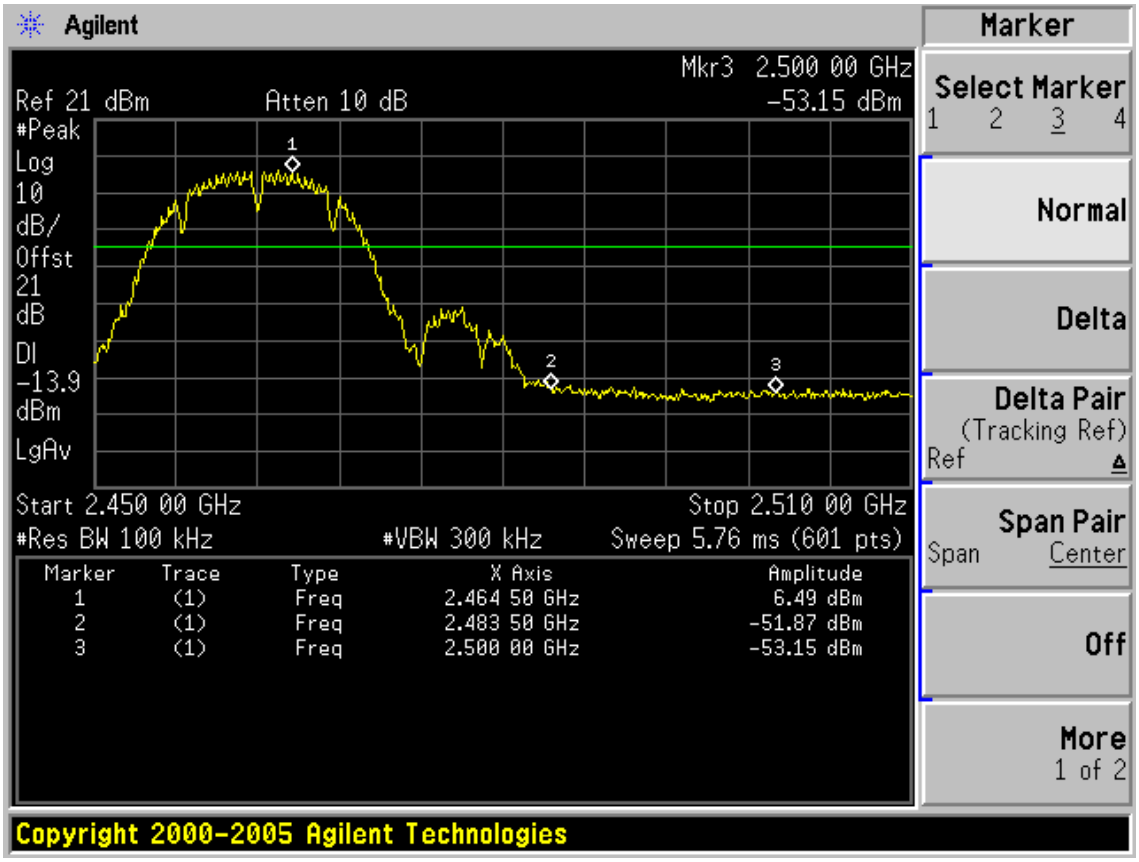



Test CH11: 2462MHz

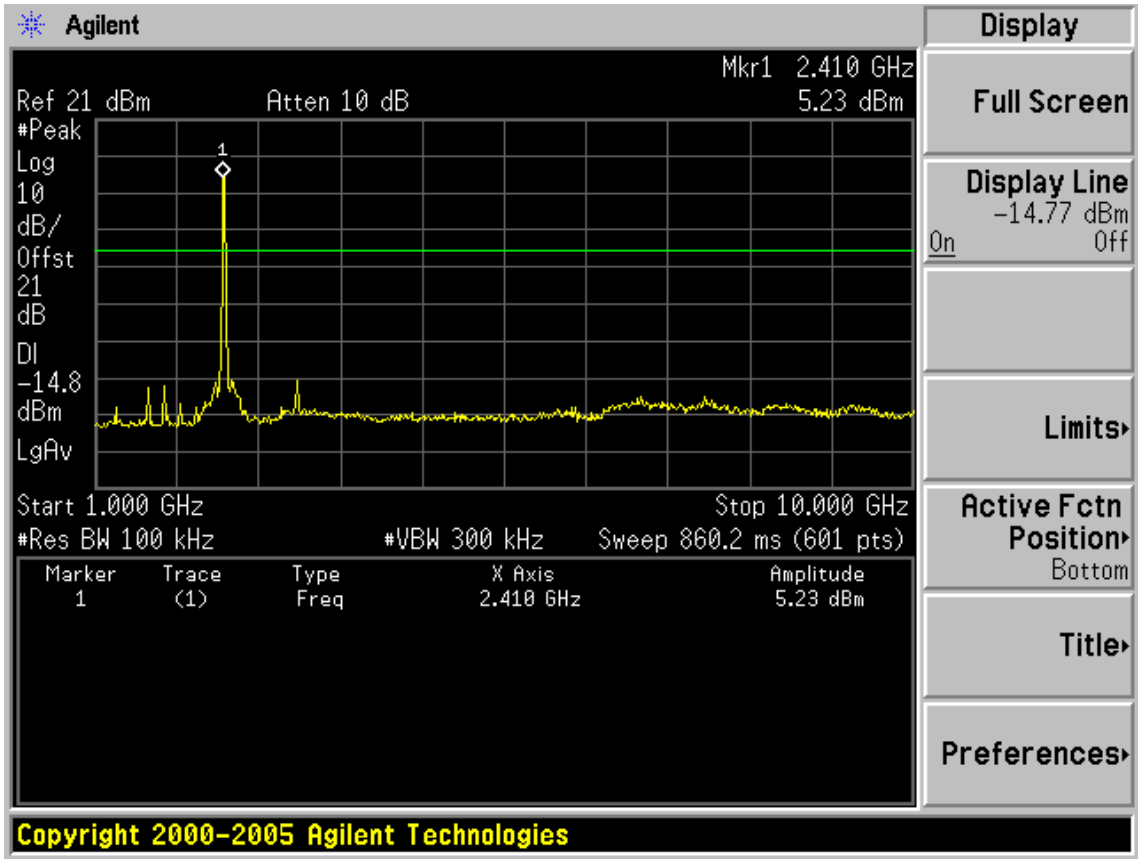


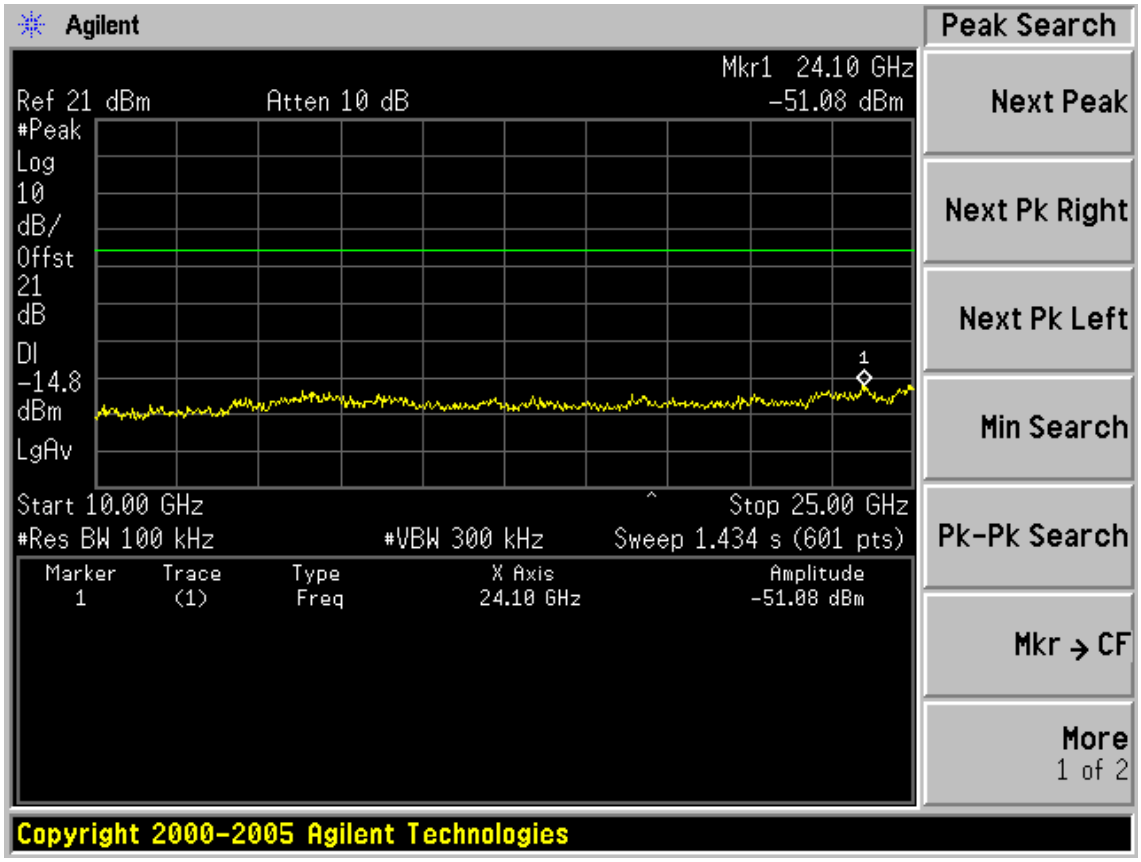

Agilent
Peak Search
Mkr1 24.98 GHz
Ref 21 dBm
Atten 10 dB
-50.01 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-14.4
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Center 17.50 GHz
Span 15 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.98 GHz -50.01 dBm
Copyright 2000-2005 Agilent Technologies

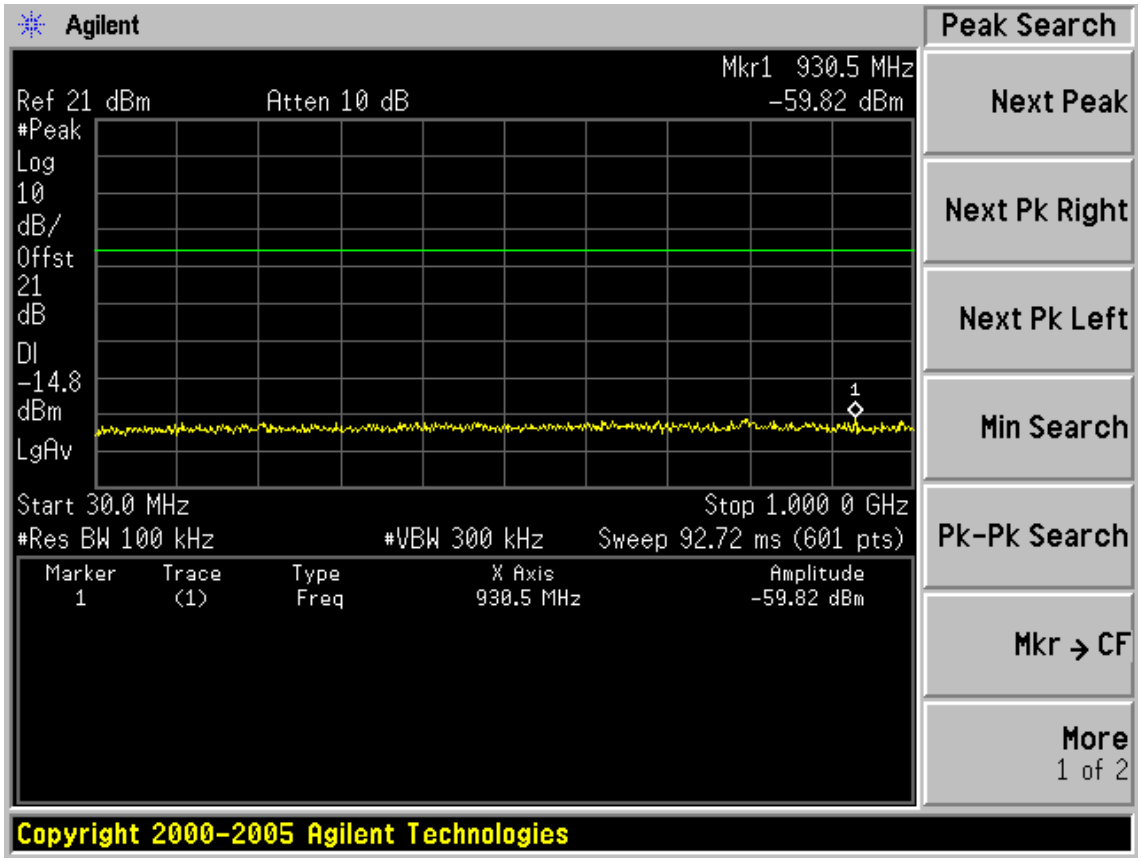

Agilent
Peak Search
Mkr1 502.1 MHz
Ref 21 dBm
Atten 10 dB
-59.13 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-14.4
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 502.1 MHz -59.13 dBm
Copyright 2000-2005 Agilent Technologies

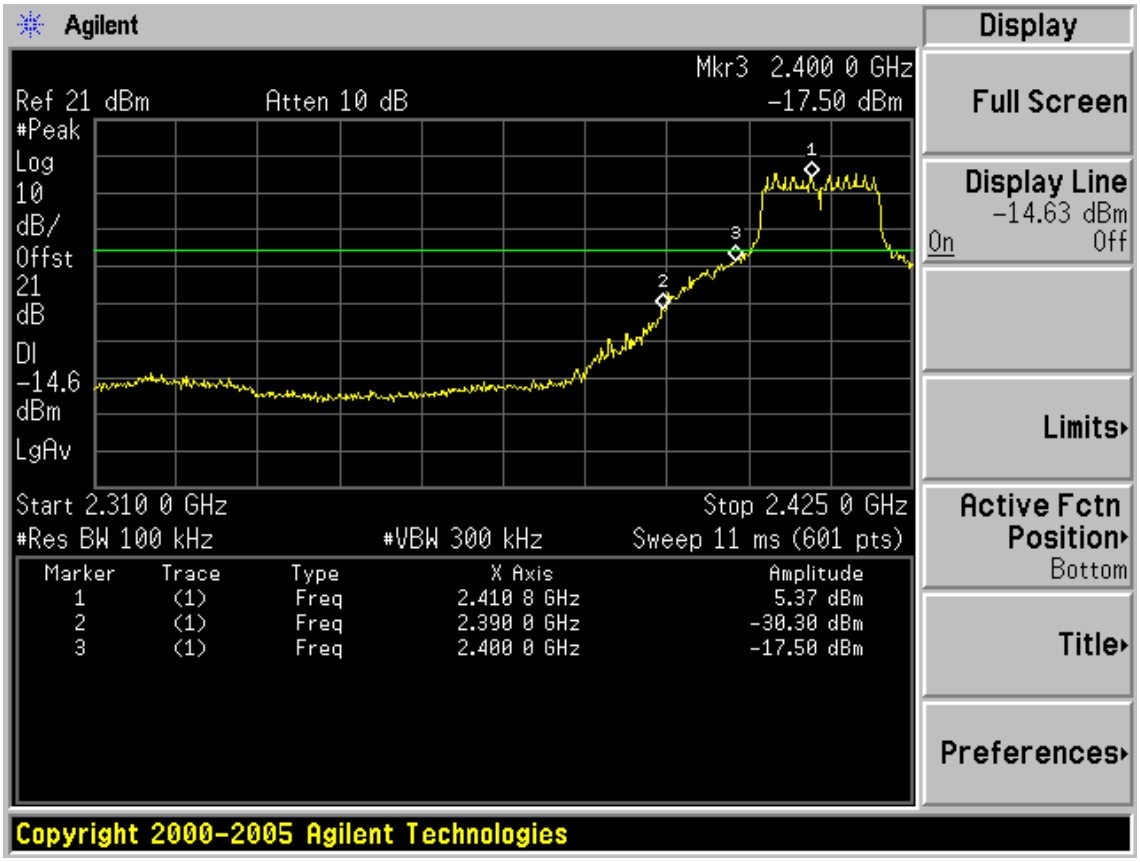



Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz

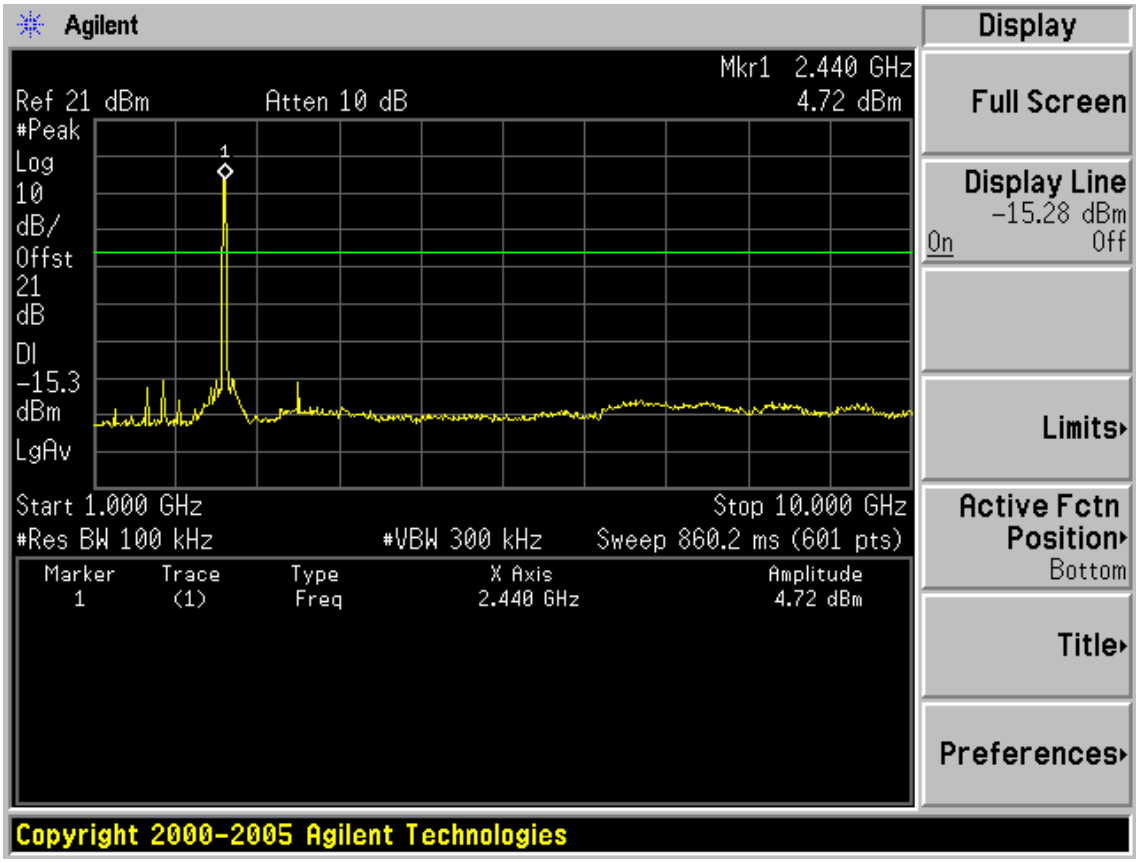


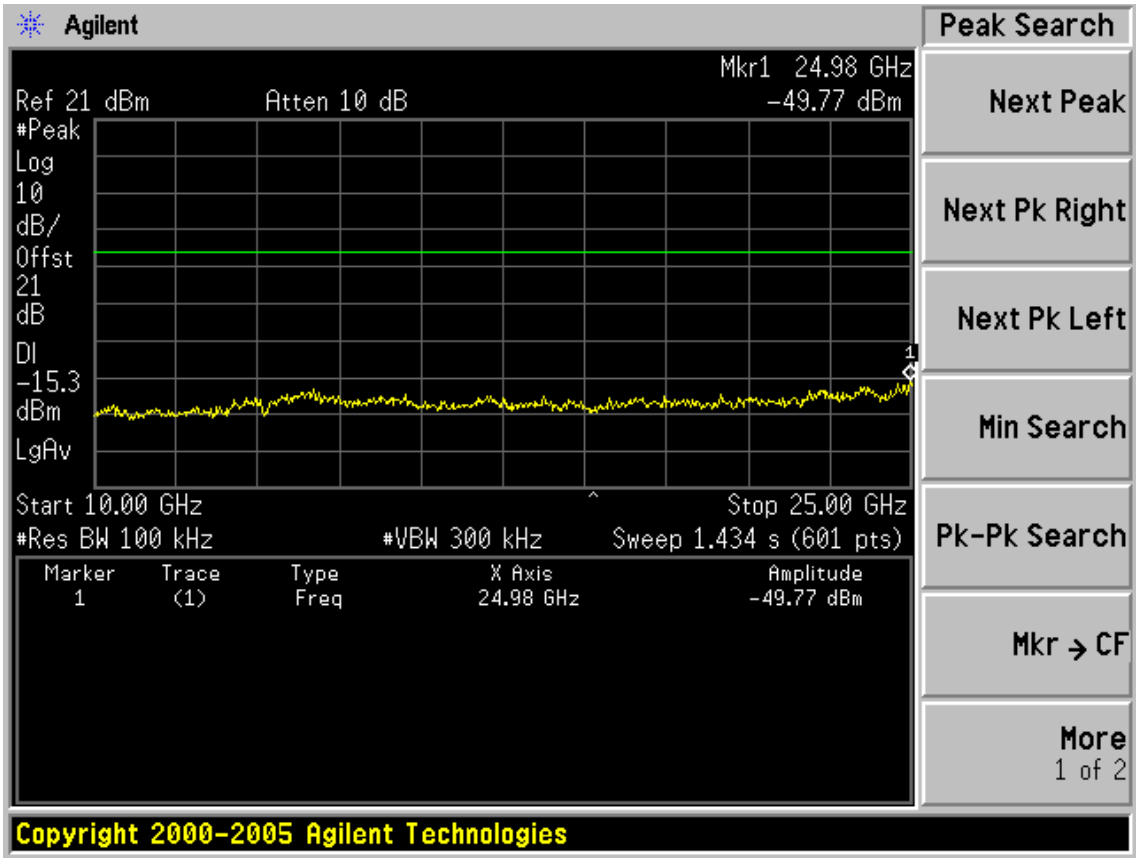

Agilent
Peak Search
Mkr1 24.10 GHz
Ref 21 dBm
Atten 10 dB
-51.08 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-14.8
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.10 GHz -51.08 dBm
Copyright 2000-2005 Agilent Technologies

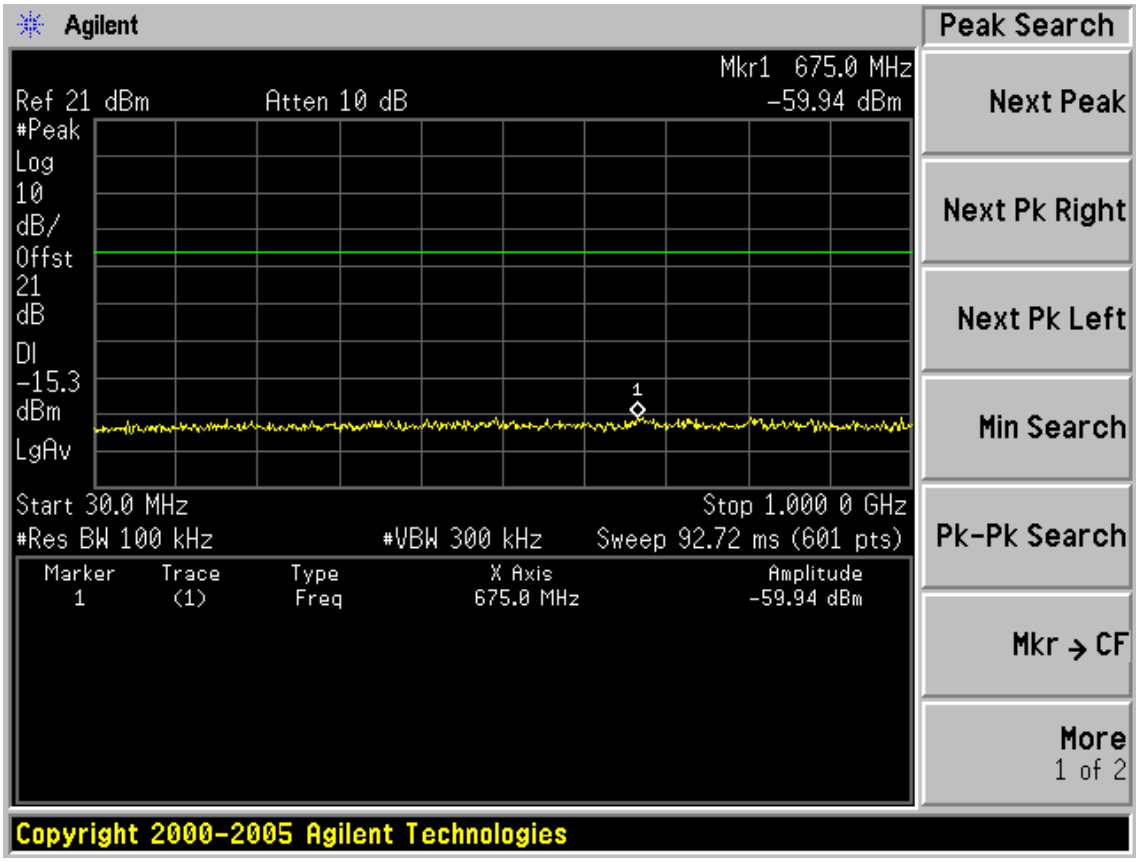

Agilent
Peak Search
Mkr1 930.5 MHz
Ref 21 dBm
Atten 10 dB
-59.82 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-14.8
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 930.5 MHz -59.82 dBm
Copyright 2000-2005 Agilent Technologies



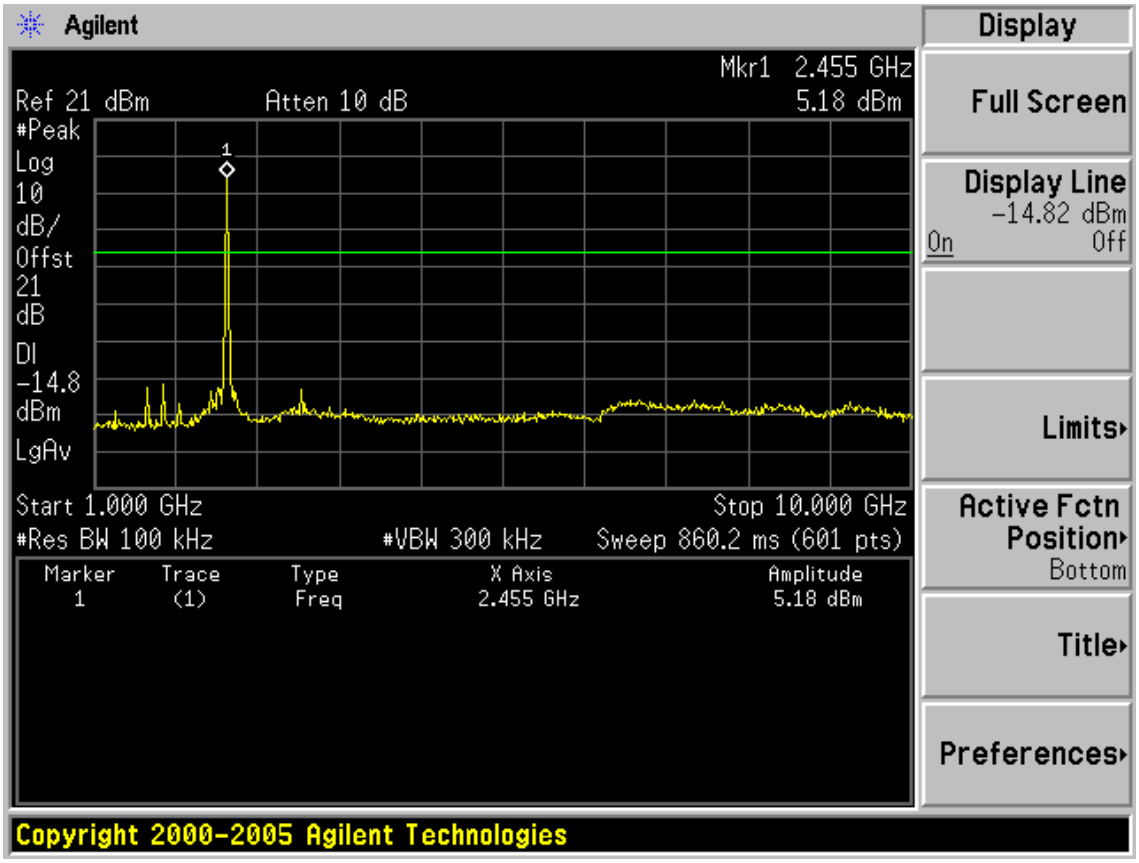

Test CH6: 2437MHz

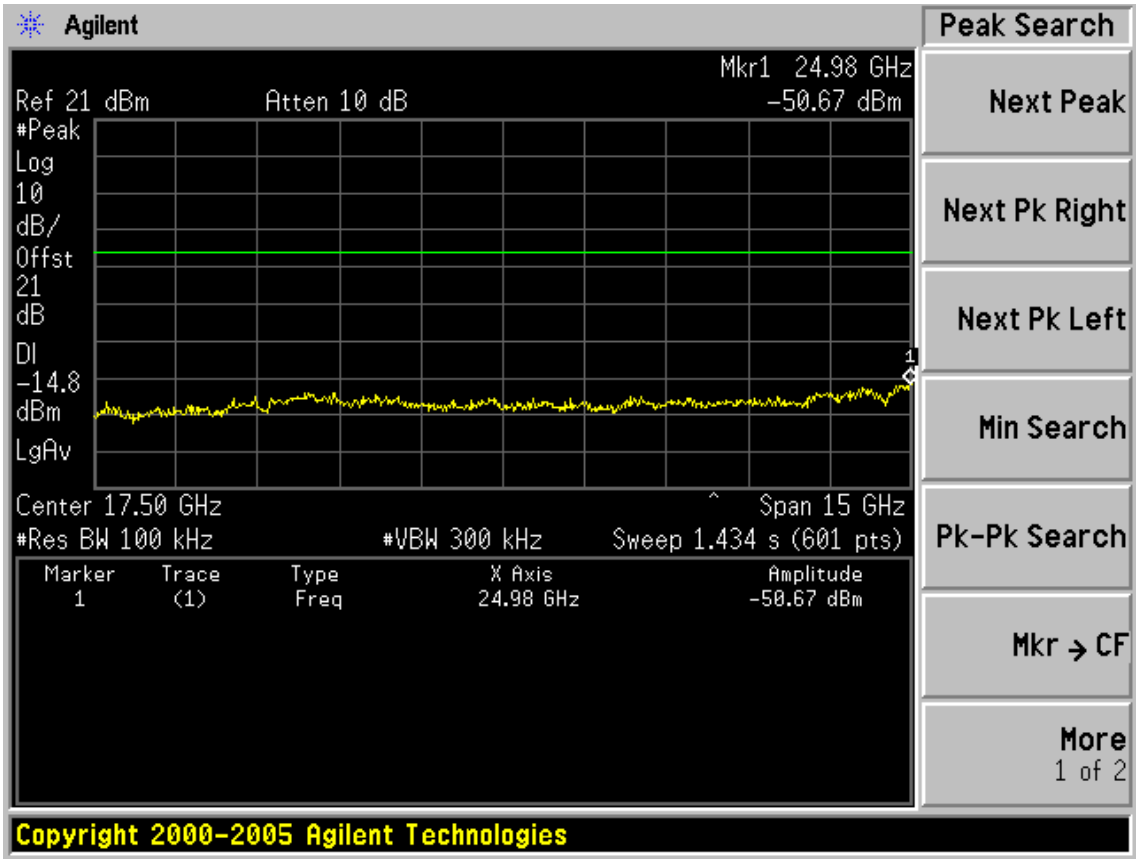


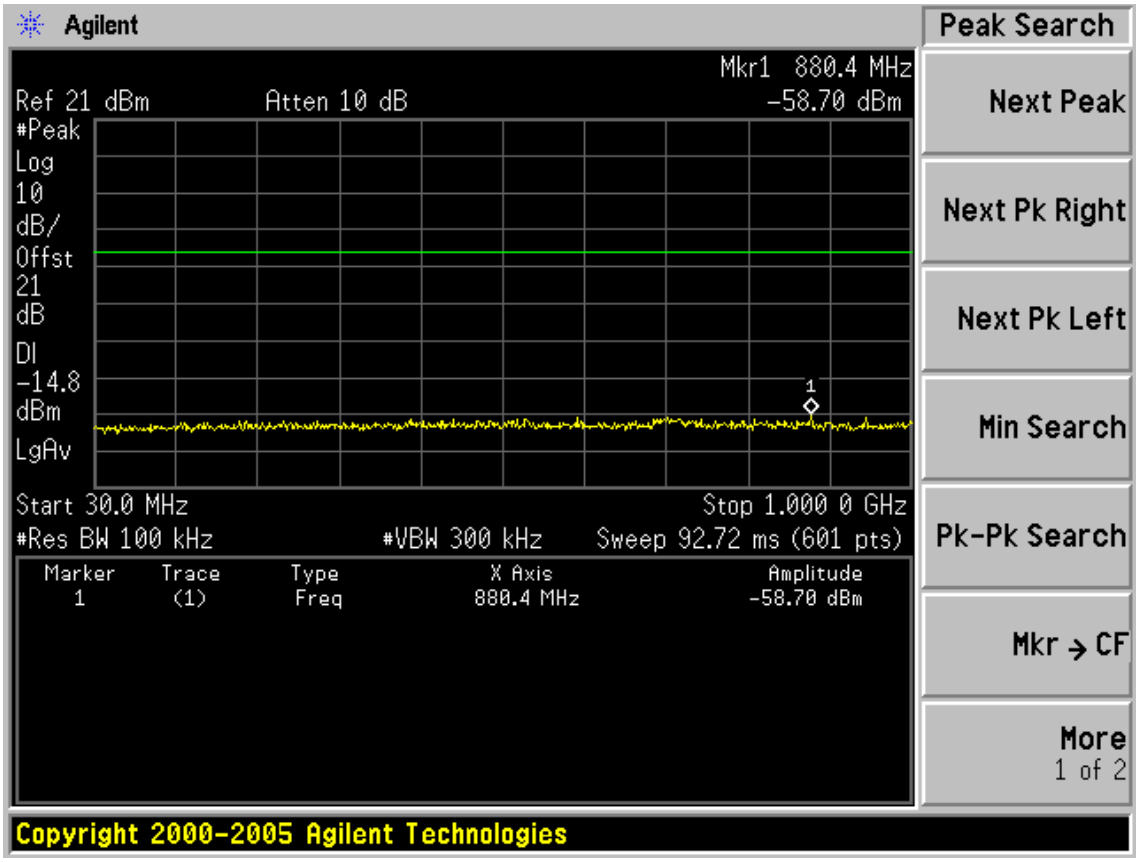

Agilent
Peak Search
Mkr1 24.98 GHz
Ref 21 dBm
Atten 10 dB
-49.77 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-15.3
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.98 GHz -49.77 dBm
Copyright 2000-2005 Agilent Technologies

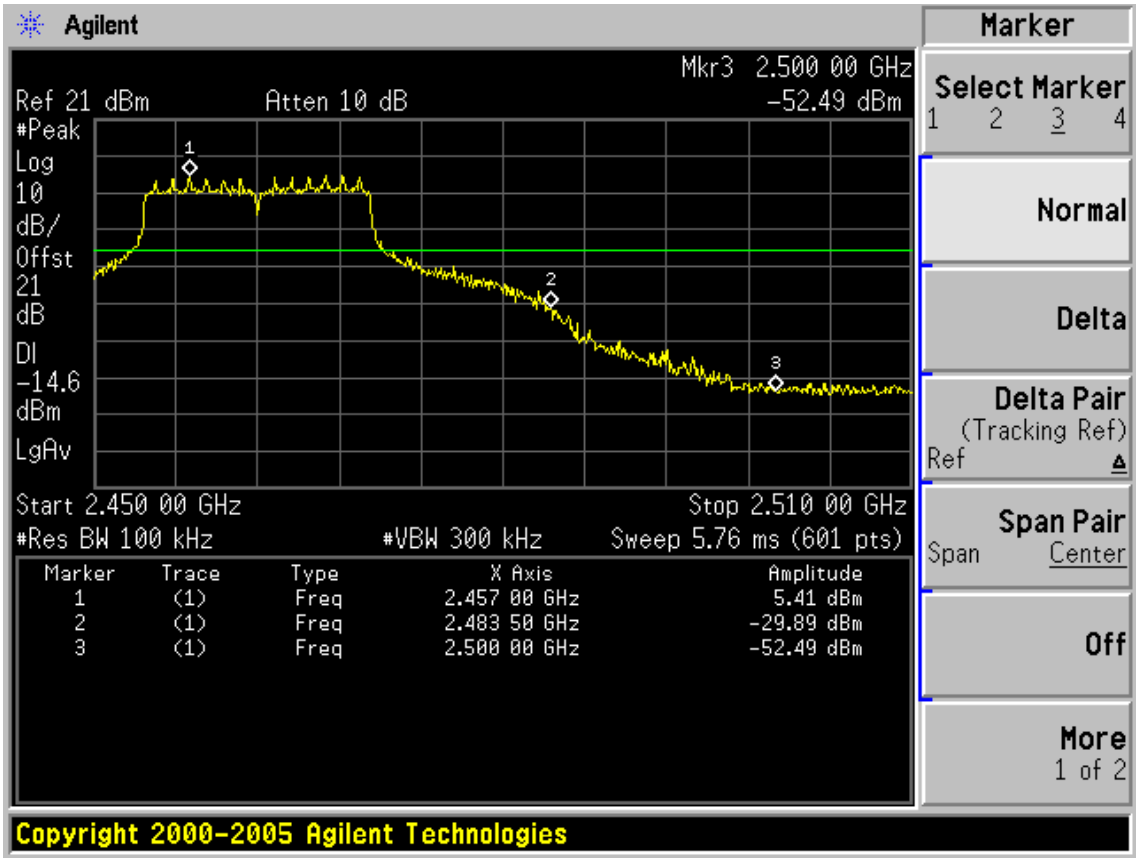

Agilent
Peak Search
Mkr1 675.0 MHz
Ref 21 dBm
Atten 10 dB
-59.94 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-15.3
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 675.0 MHz -59.94 dBm
Copyright 2000-2005 Agilent Technologies

Test CH11: 2462MHz

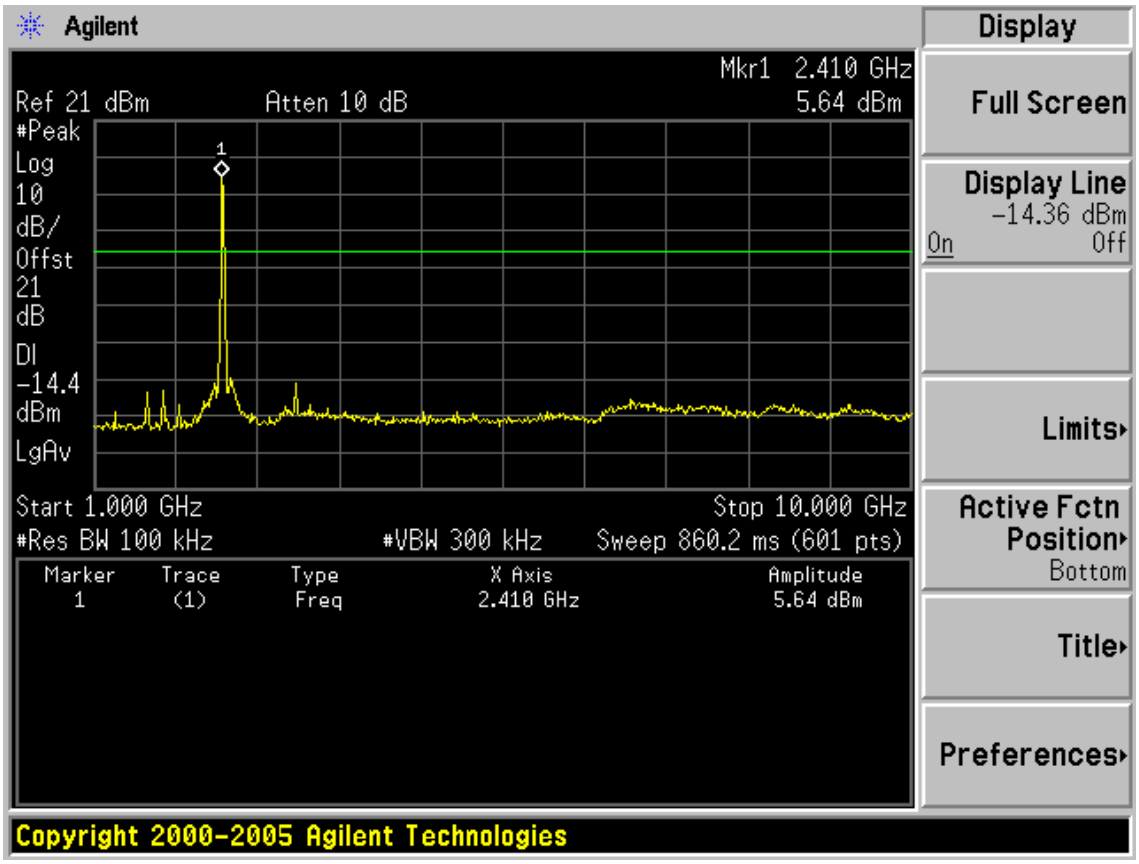


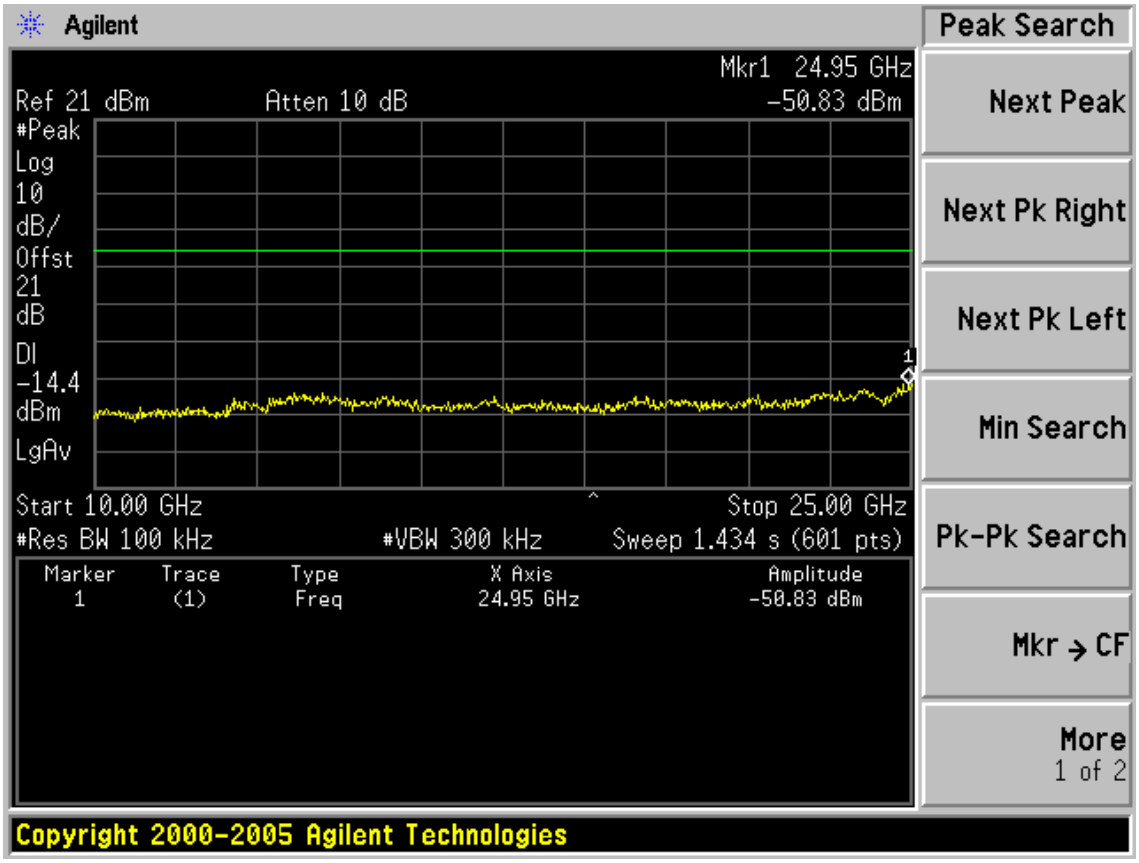



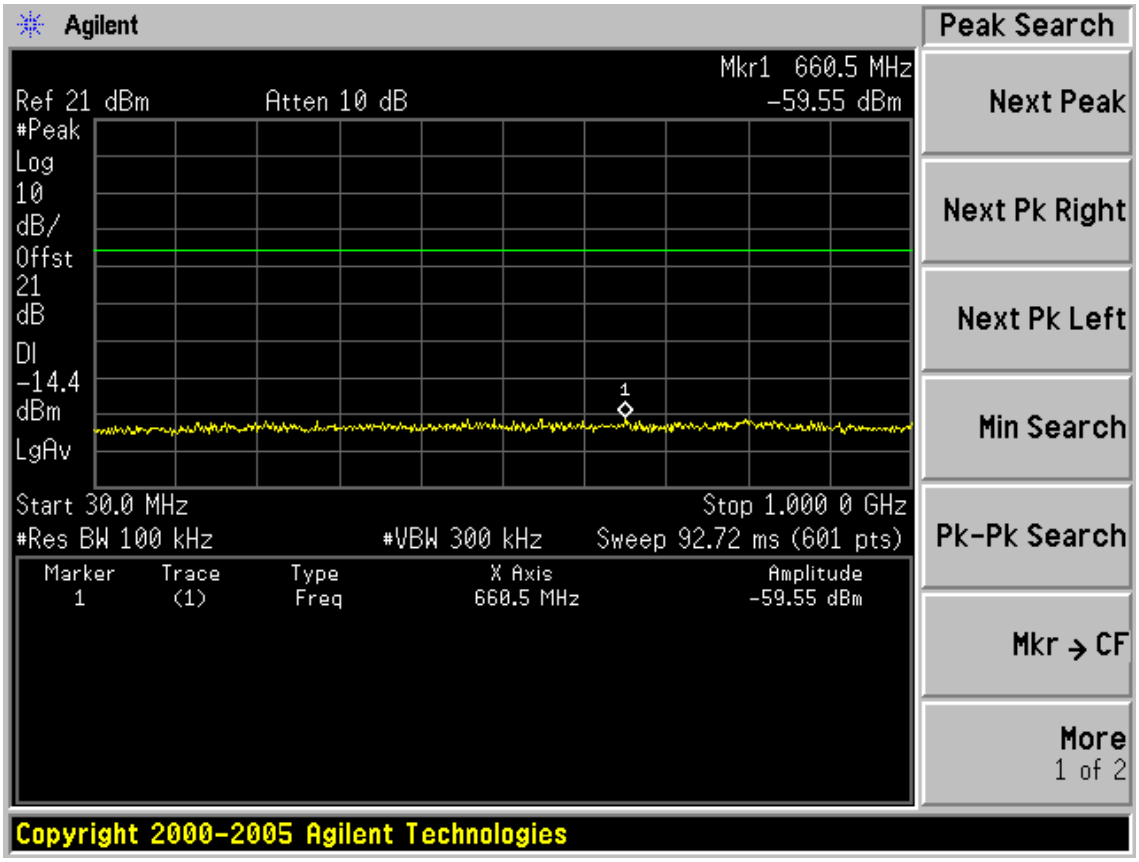

Agilent
Peak Search
Mkr1 880.4 MHz
Ref 21 dBm
Atten 10 dB
-58.70 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-14.8
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 880.4 MHz -58.70 dBm
Copyright 2000-2005 Agilent Technologies

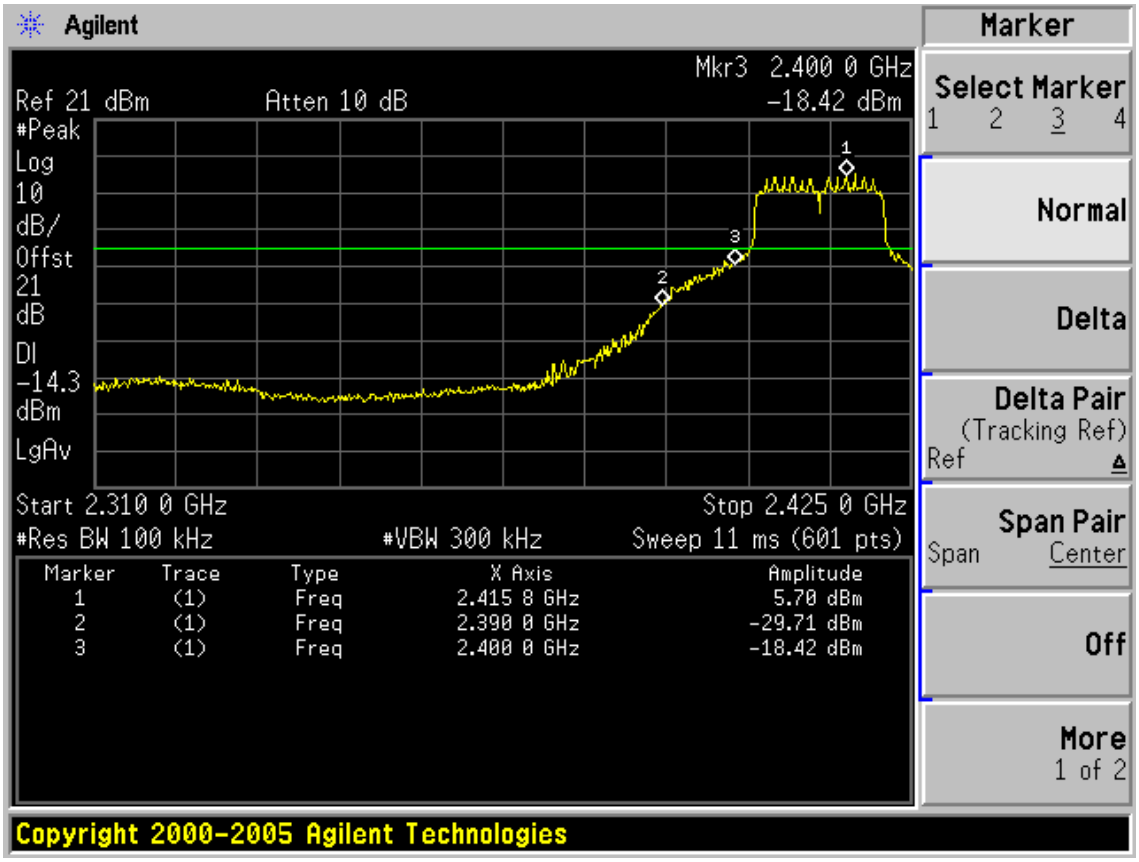

Agilent
Marker
Mkr3 2.500 00 GHz
Ref 21 dBm
Atten 10 dB
-52.49 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-14.6
dBm
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.450 00 GHz
Stop 2.510 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 5.76 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.457 00 GHz 5.41 dBm
2 (1) Freq 2.483 50 GHz -29.89 dBm
3 (1) Freq 2.500 00 GHz -52.49 dBm
Copyright 2000-2005 Agilent Technologies

Test Mode: IEEE 802.11n HT20 TX
Test CH1: 2412MHz

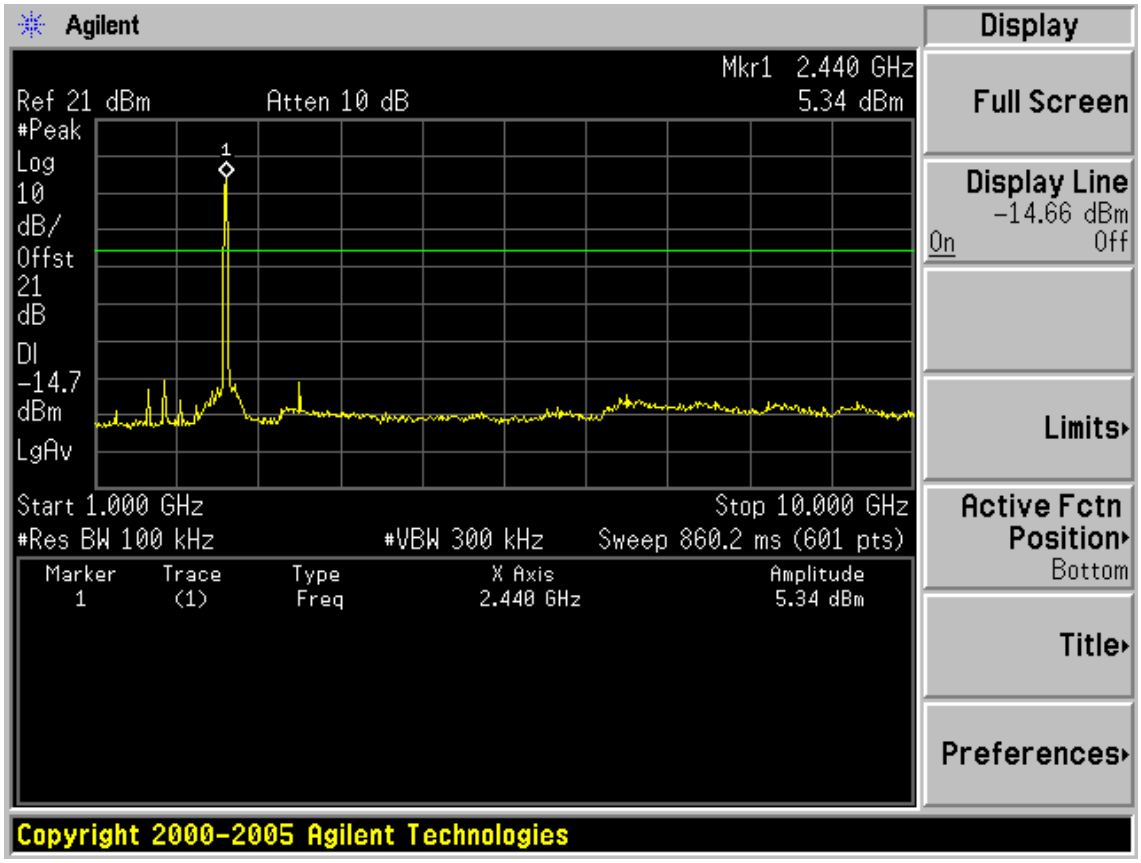


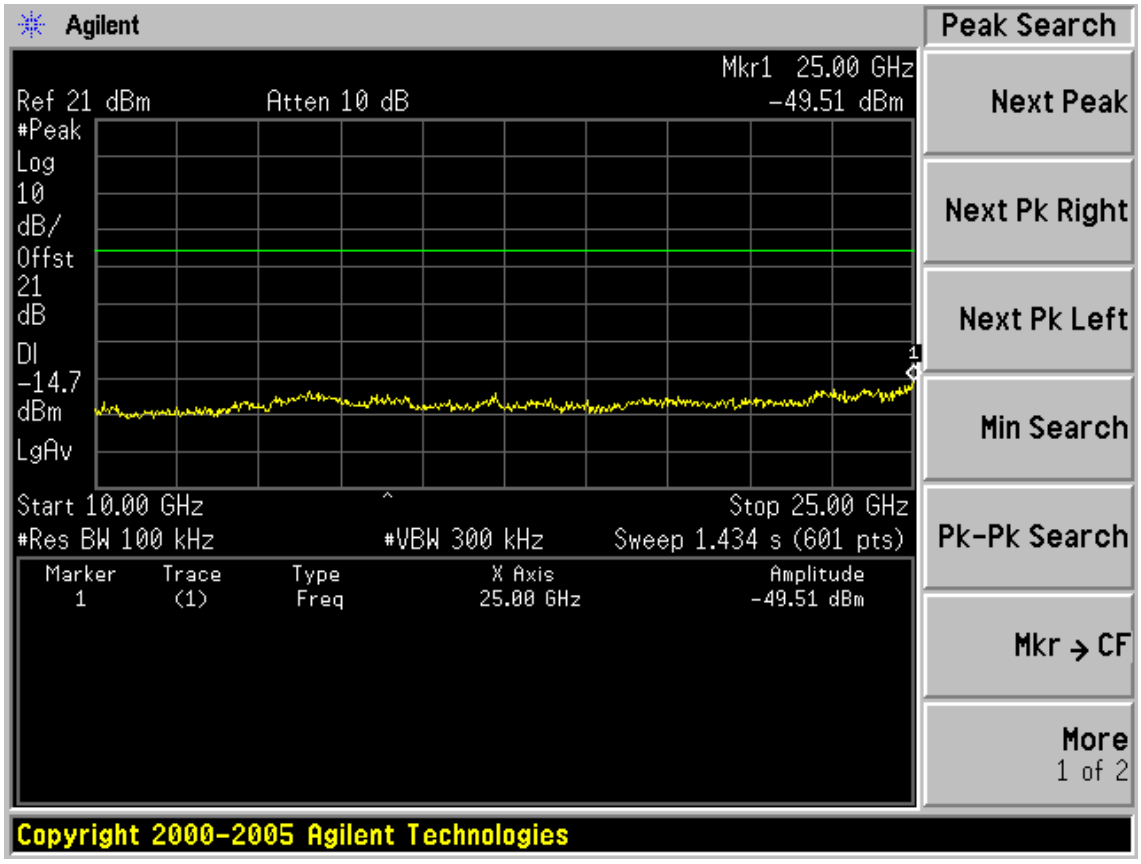



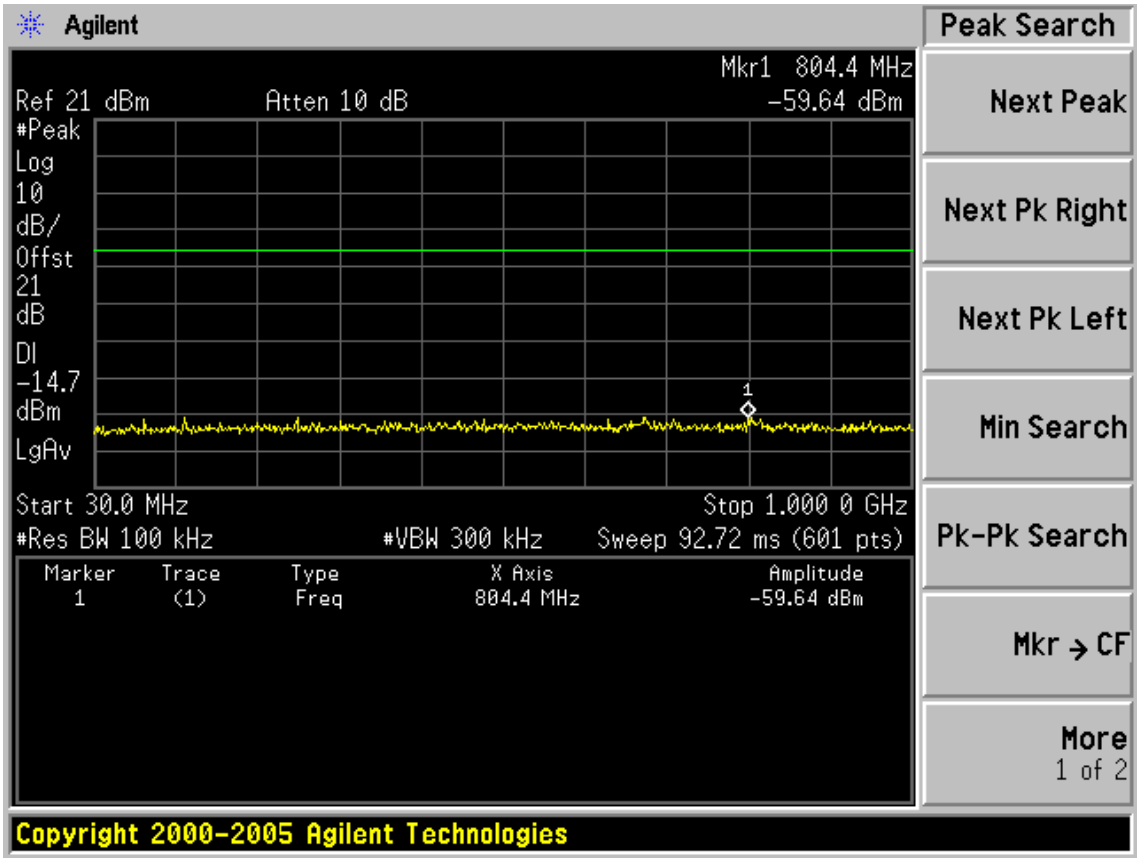

Agilent
Peak Search
Mkr1 660.5 MHz
Ref 21 dBm
Atten 10 dB
-59.55 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-14.4
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 660.5 MHz -59.55 dBm
Copyright 2000-2005 Agilent Technologies


Agilent
Marker
Mkr3 2.400 0 GHz
Ref 21 dBm
Atten 10 dB
-18.42 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-14.3
dBm
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.310 0 GHz
Stop 2.425 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 11 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.415 8 GHz 5.70 dBm
2 (1) Freq 2.390 0 GHz -29.71 dBm
3 (1) Freq 2.400 0 GHz -18.42 dBm
Copyright 2000-2005 Agilent Technologies

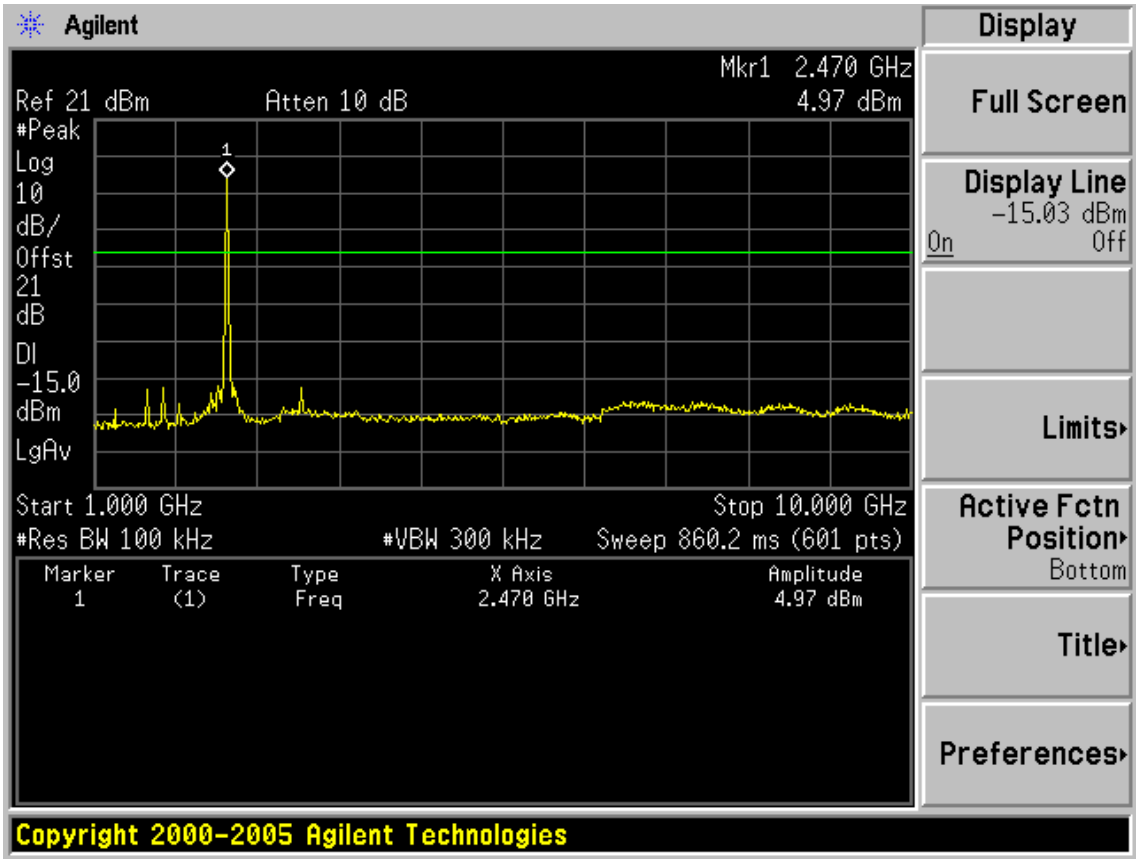
Test CH6: 2437MHz

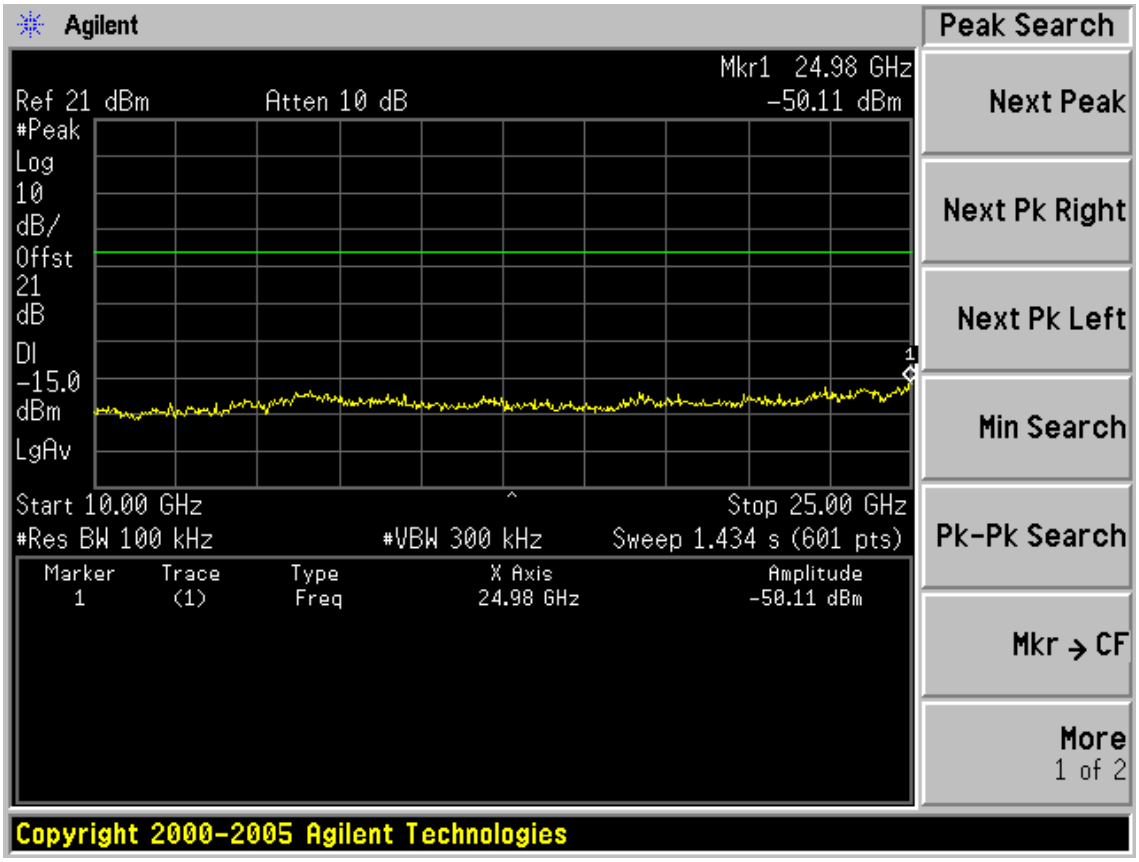


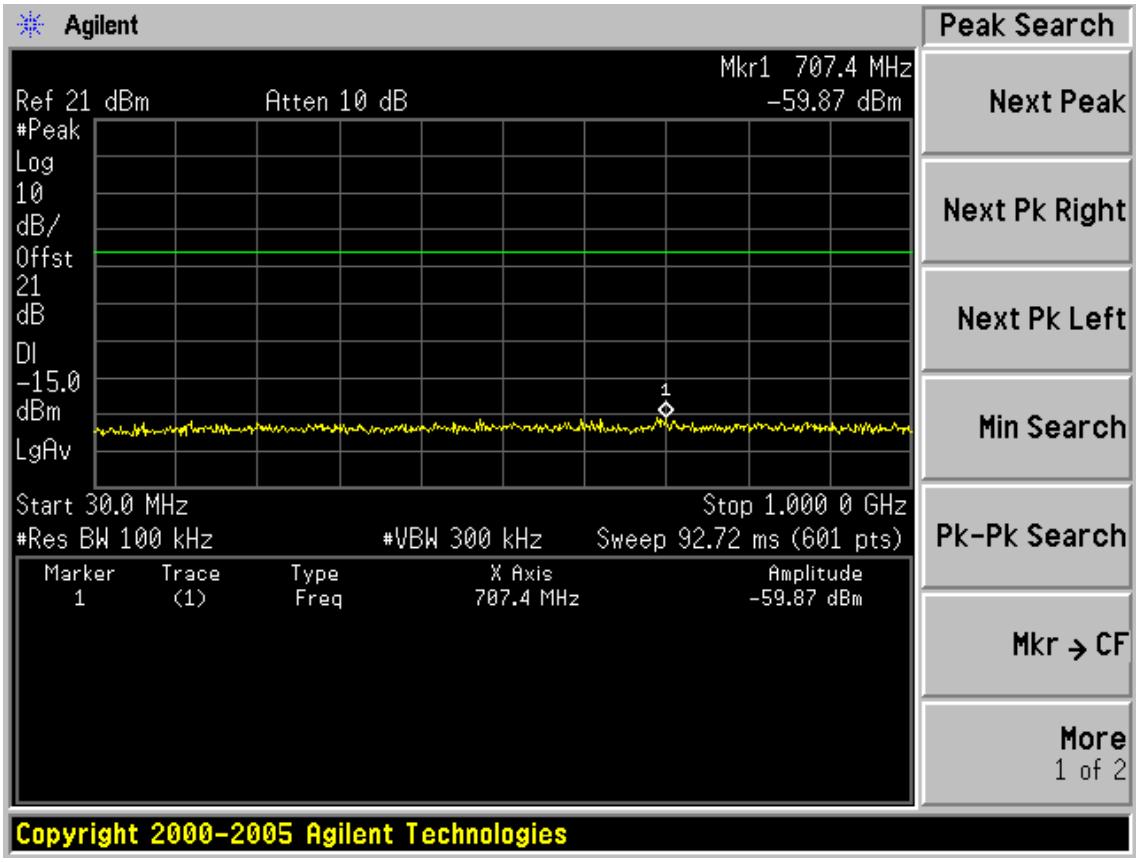



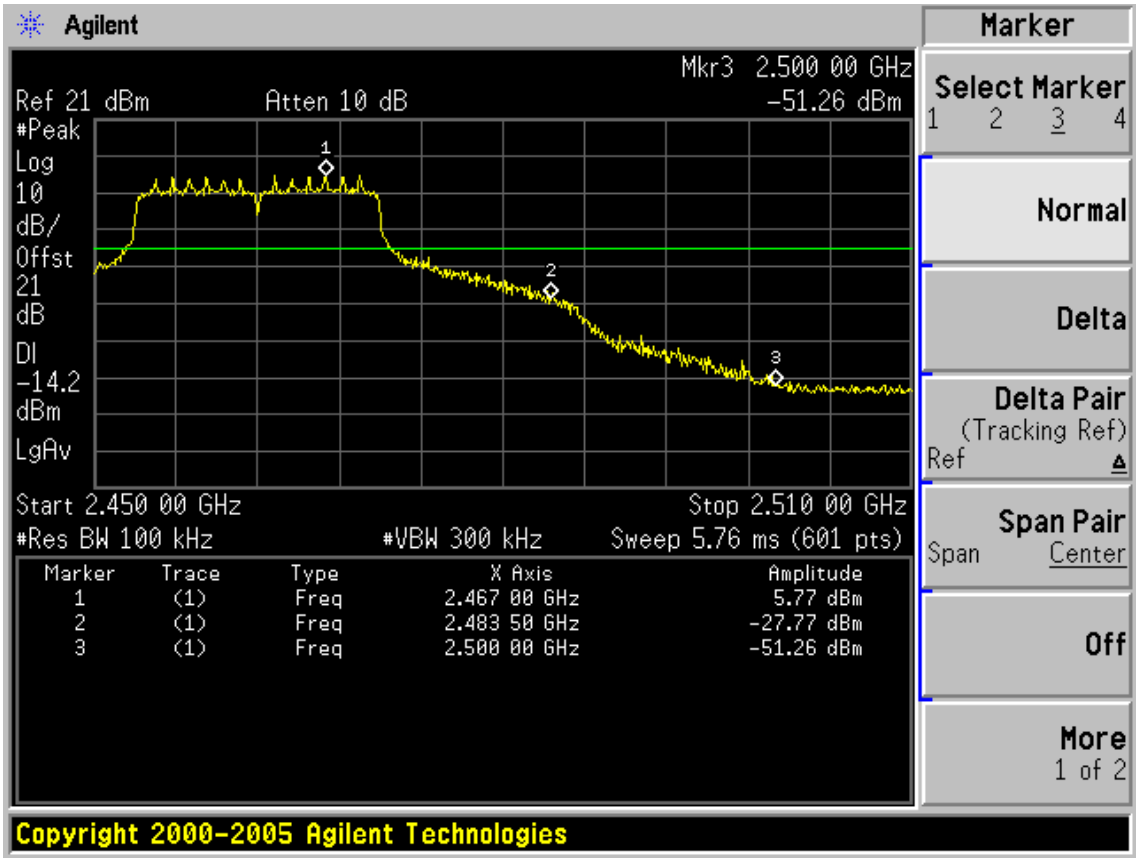



Test CH11: 2462MHz

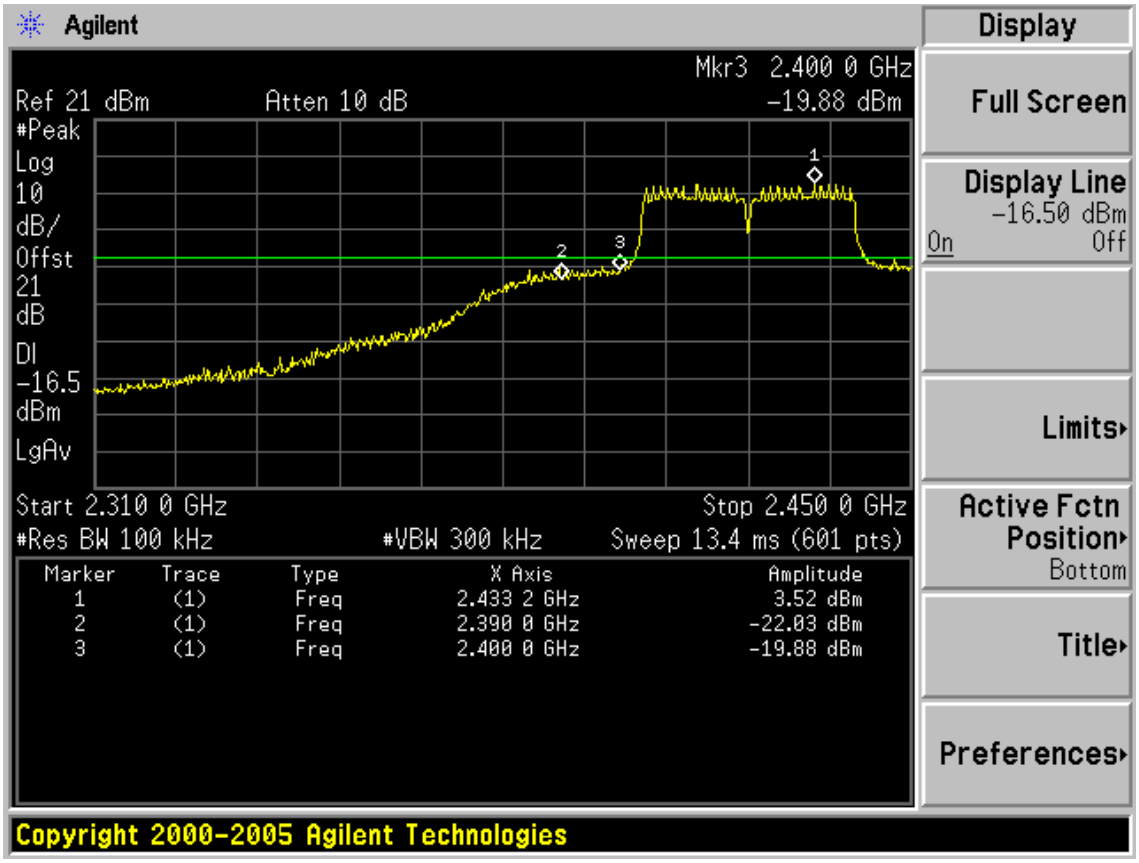


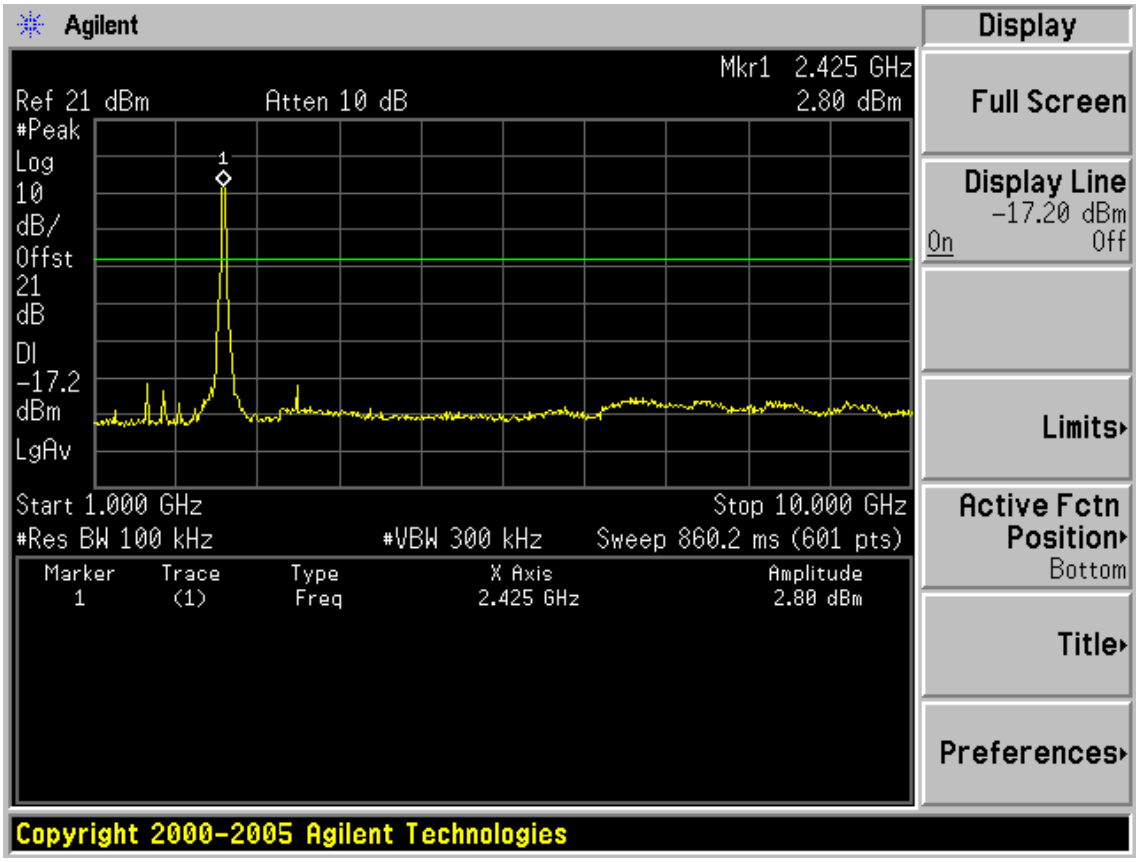

Agilent
Peak Search
Mkr1 24.98 GHz
Ref 21 dBm
Atten 10 dB
-50.11 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-15.0
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 24.98 GHz -50.11 dBm
Copyright 2000-2005 Agilent Technologies

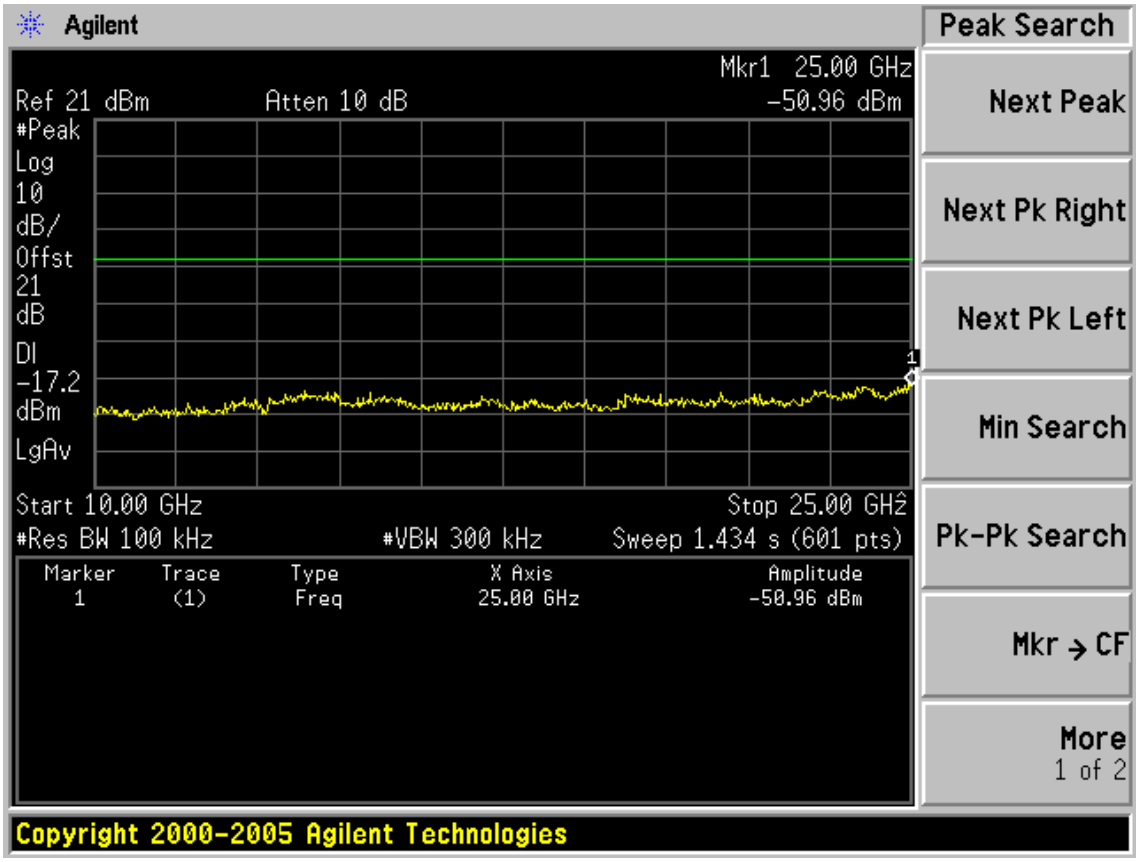

Agilent
Peak Search
Mkr1 707.4 MHz
Ref 21 dBm
Atten 10 dB
-59.87 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-15.0
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 707.4 MHz -59.87 dBm
Copyright 2000-2005 Agilent Technologies

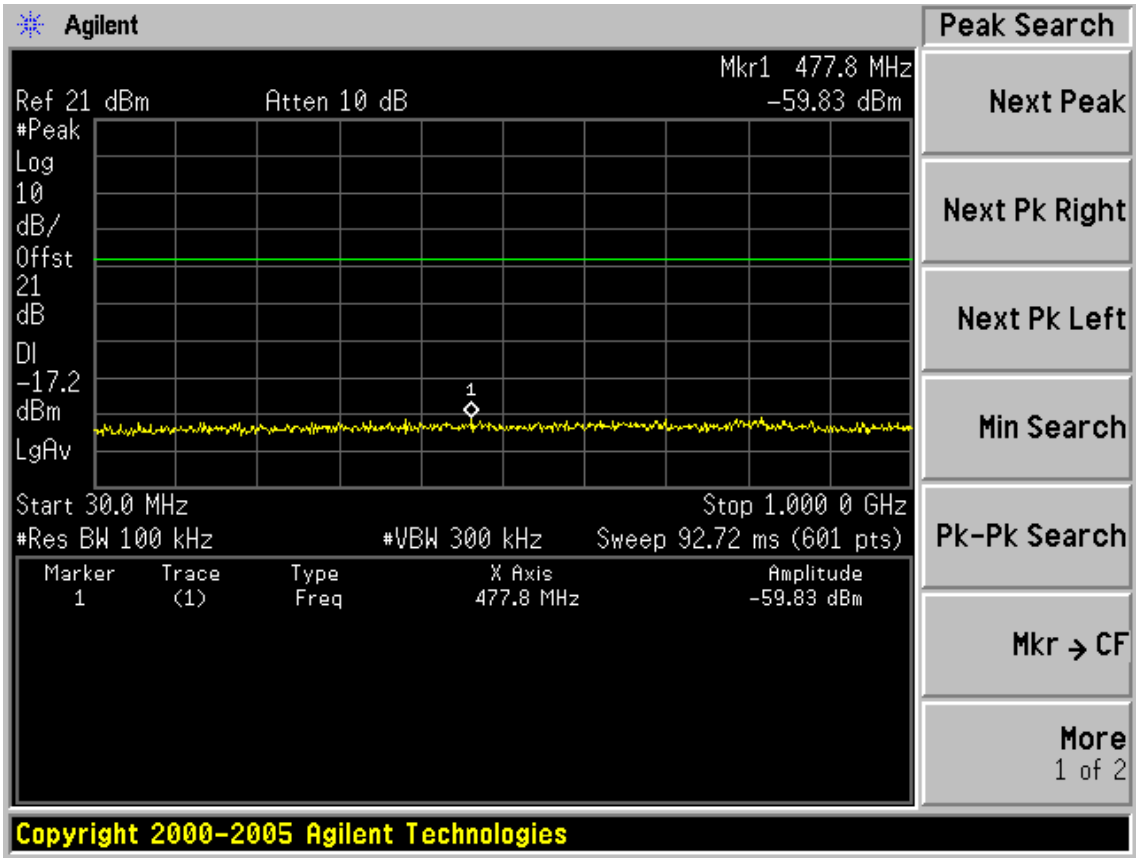



Test Mode: IEEE 802.11n HT40 TX
Test CH1: 2422MHz

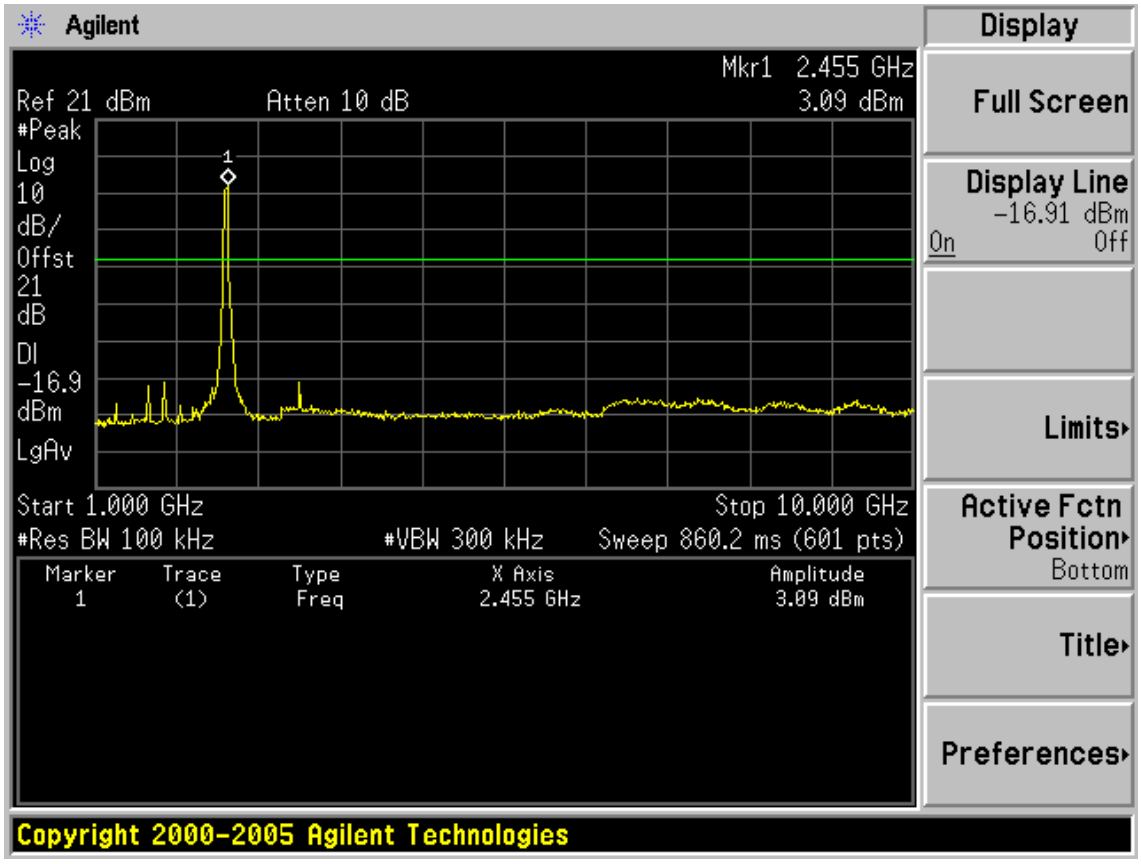


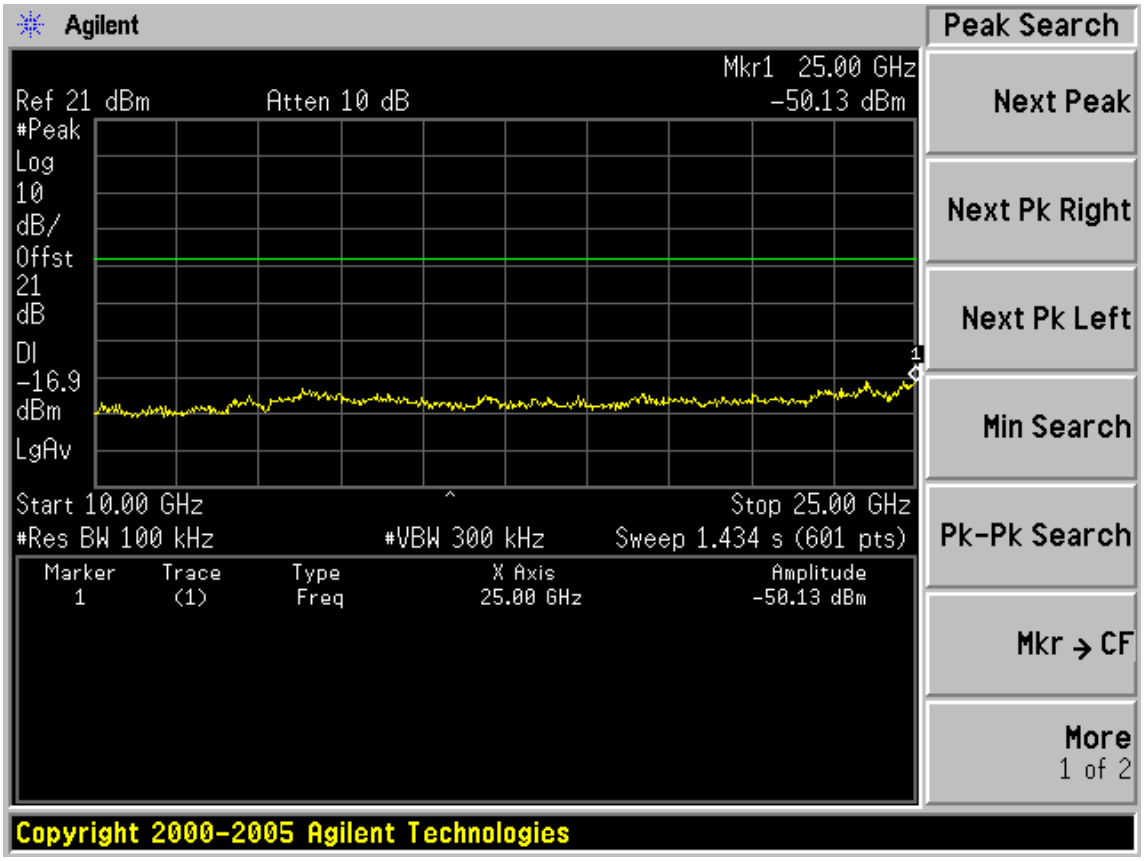

Agilent
Display
Mkr1 2.425 GHz
Ref 21 dBm
Atten 10 dB
2.80 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-17.2
dBm
LgAv
Full Screen
Display Line
-17.20 dBm
On
Off
Limits
Start 1.000 GHz
Stop 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 860.2 ms (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.425 GHz 2.80 dBm
Title
Preferences
Copyright 2000-2005 Agilent Technologies

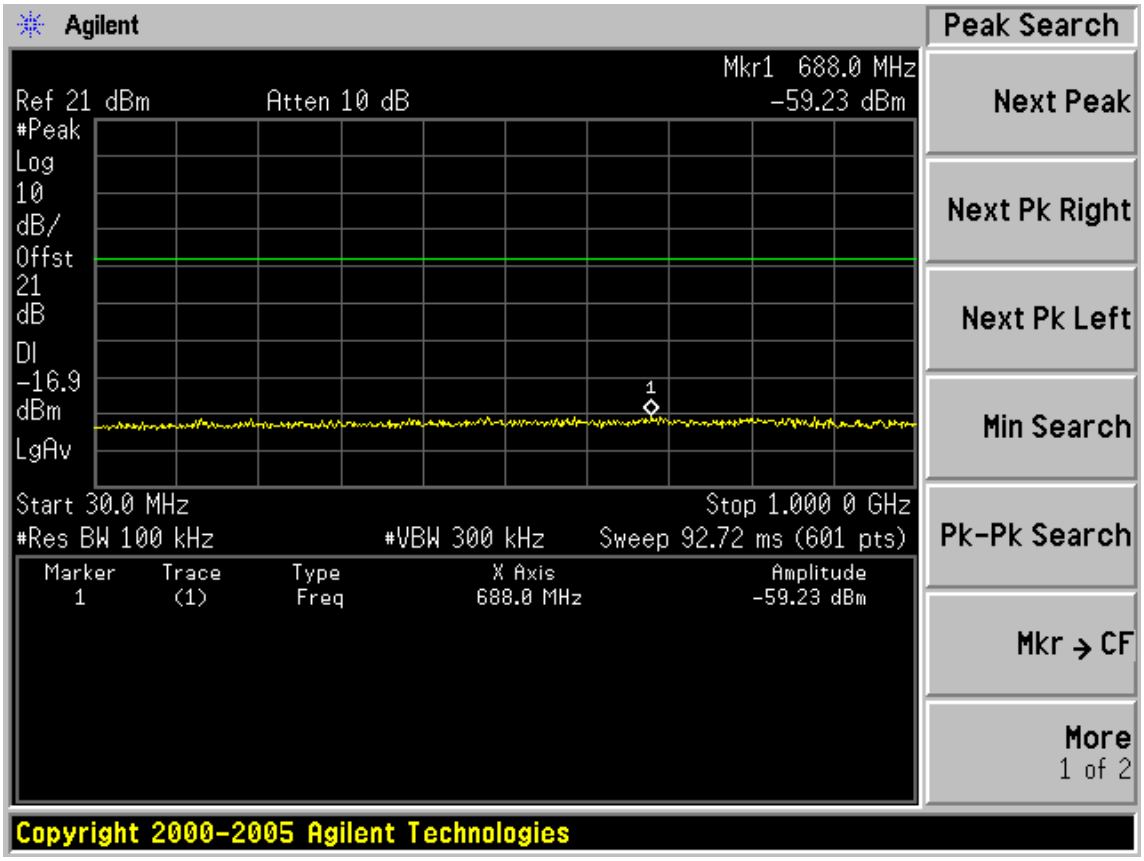

Agilent
Peak Search
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-50.96 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-17.2
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Pk-Pk Search
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -50.96 dBm
Mkr → CF
More
1 of 2
Copyright 2000-2005 Agilent Technologies



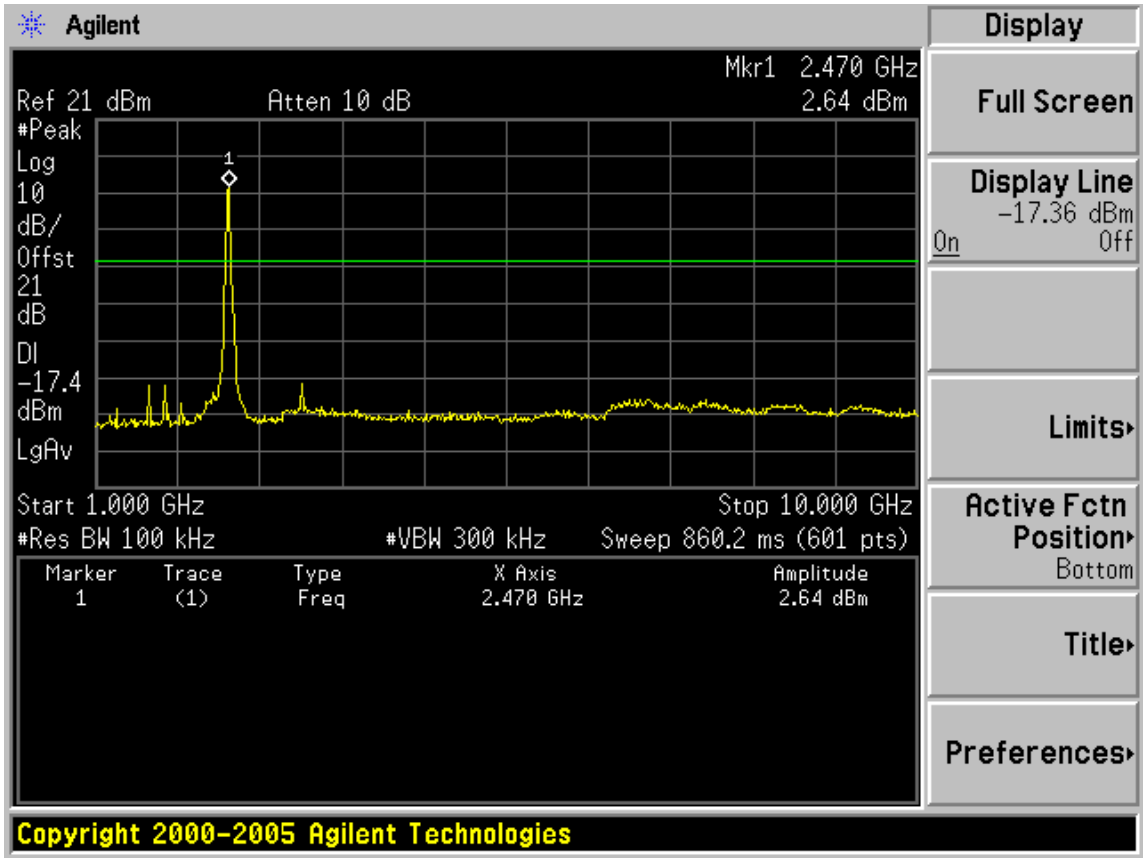

Test CH4: 2437MHz

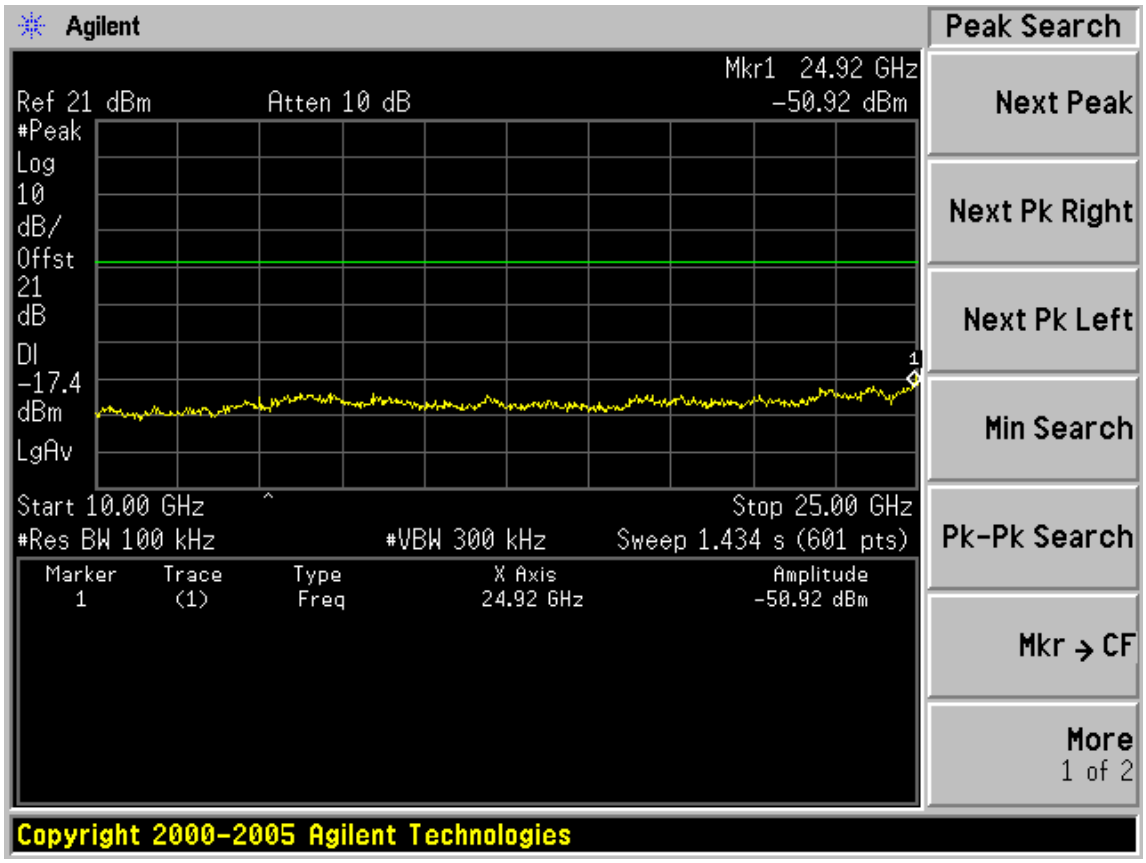


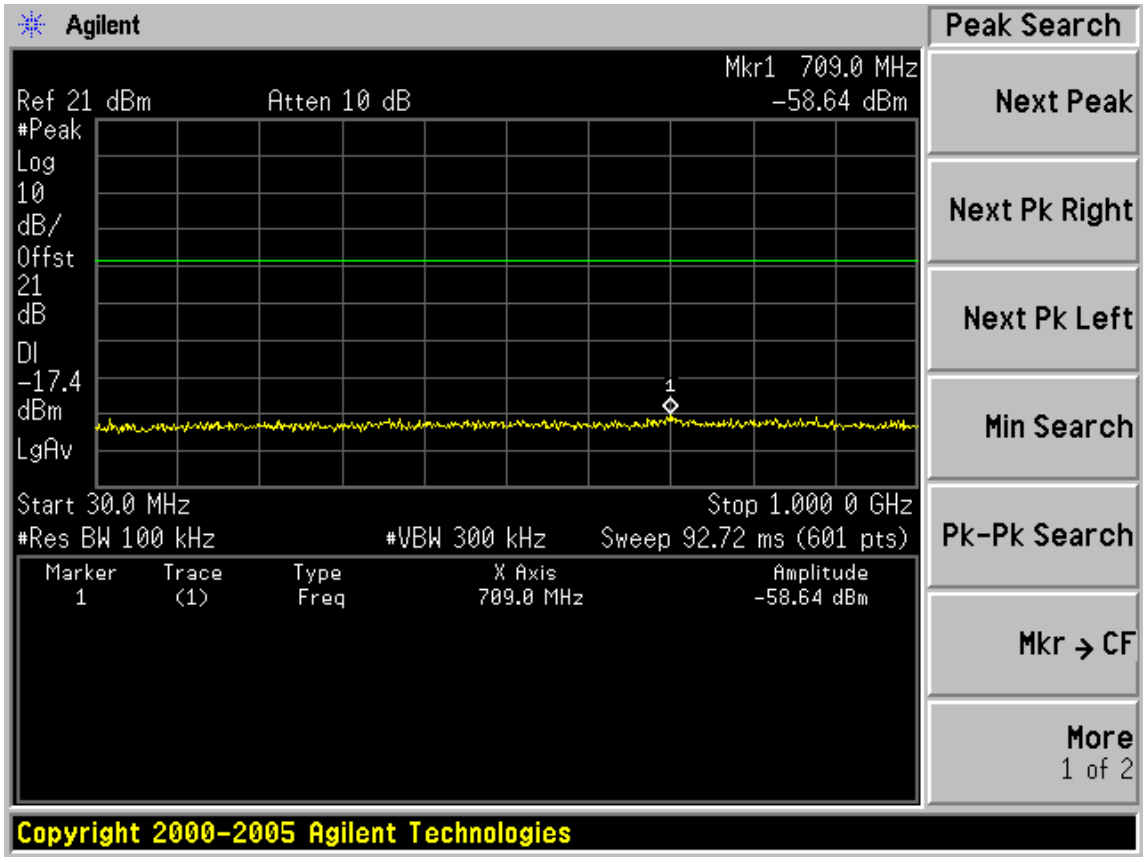

Agilent
Peak Search
Mkr1 25.00 GHz
Ref 21 dBm
Atten 10 dB
-50.13 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-16.9
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 10.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 1.434 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 25.00 GHz -50.13 dBm
Copyright 2000-2005 Agilent Technologies

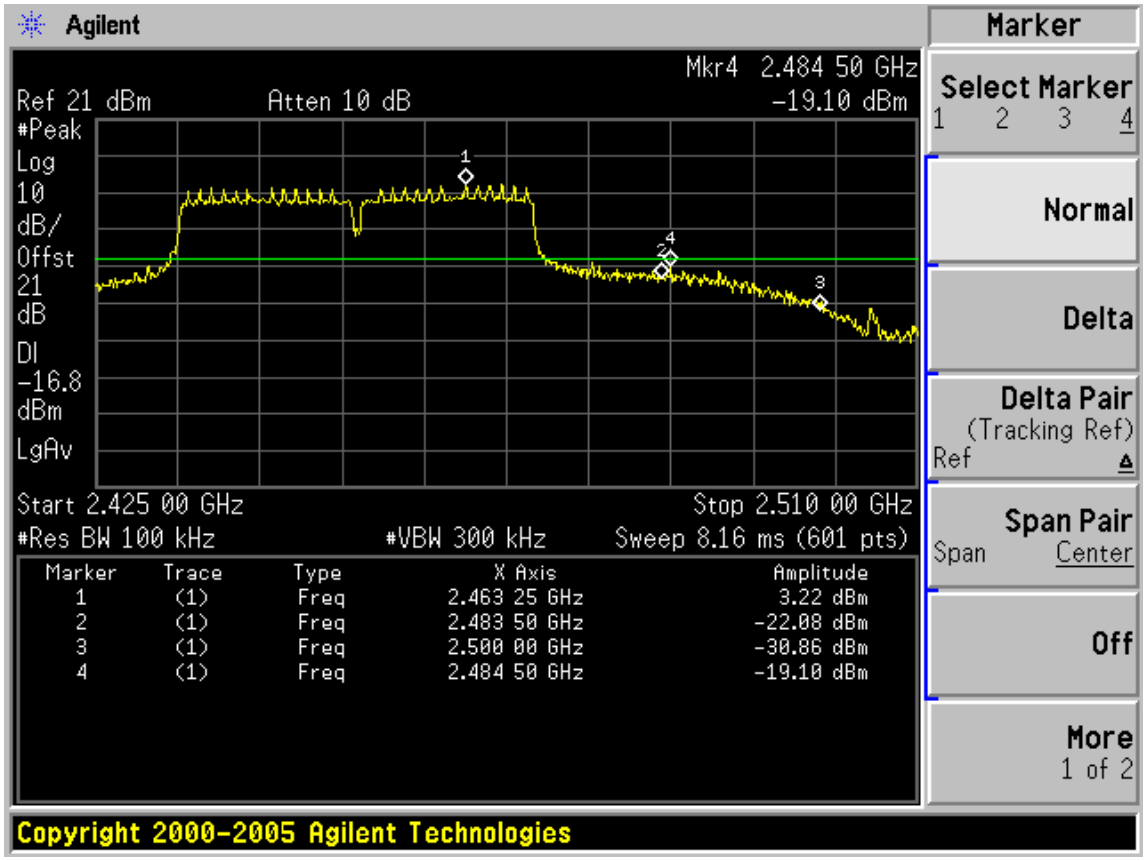

Agilent
Peak Search
Mkr1 688.0 MHz
Ref 21 dBm
Atten 10 dB
-59.23 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-16.9
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 688.0 MHz -59.23 dBm
Copyright 2000-2005 Agilent Technologies

Test CH7: 2452MHz




Agilent
Peak Search
Mkr1 709.0 MHz
Ref 21 dBm
Atten 10 dB
-58.64 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-17.4
dBm
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 709.0 MHz -58.64 dBm
Copyright 2000-2005 Agilent Technologies


Agilent
Marker
Mkr4 2.484 50 GHz
Ref 21 dBm
Atten 10 dB
-19.10 dBm
#Peak
Log
10
dB/
Offst
21
dB
Dl
-16.8
dBm
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.425 00 GHz
Stop 2.510 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 8.16 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.463 25 GHz 3.22 dBm
2 (1) Freq 2.483 50 GHz -22.08 dBm
3 (1) Freq 2.500 00 GHz -30.86 dBm
4 (1) Freq 2.484 50 GHz -19.10 dBm
Copyright 2000-2005 Agilent Technologies

# 6. BAND EDGE COMPLIANCE TEST

## 6.1.Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | Spectrum Analyzer | Agilent | E4446A | US44300459 | May.08, 13 | 1 Year |
| 2. | PreAmplifier | Agilent | 8449B | 3008A02495 | May.08, 13 | 1 Year |
| 3. | Horn Antenna | EMCO | 3115 | 9607-4877 | Aug.28, 12 | 1 Year |
| 4. | HF Cable | Hubersuhne | Sucoflex104 | - | May.08, 12 | 1 Year |

## 6.2.Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

## 6.3.Test Produce

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.

2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.

3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.

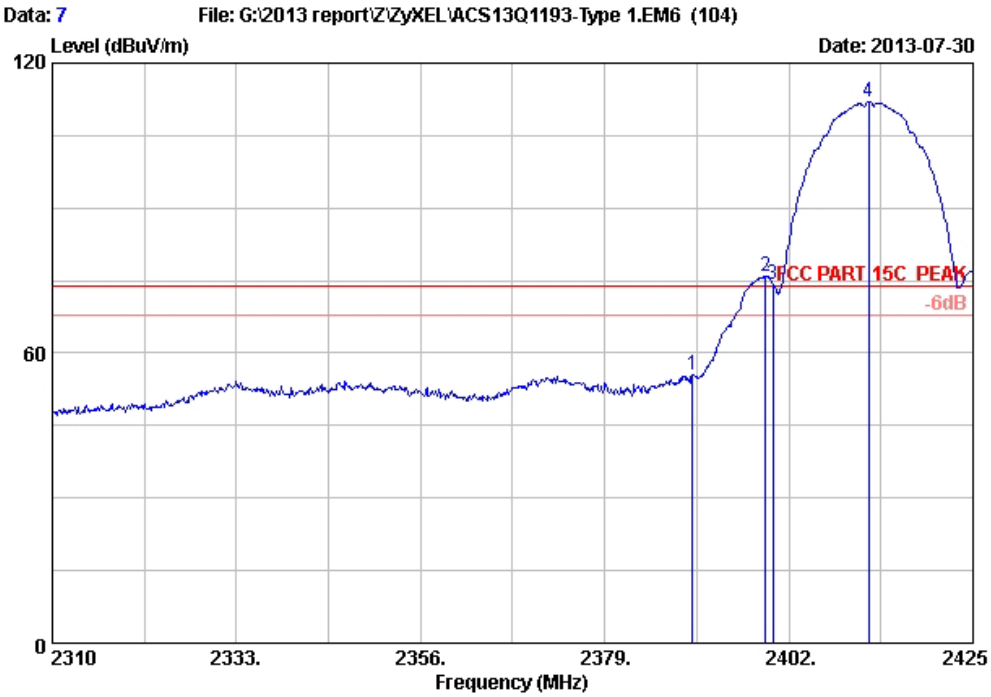
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

(a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
(b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

## 6.4.Test Results

Pass (The testing data was attached in the next pages.)

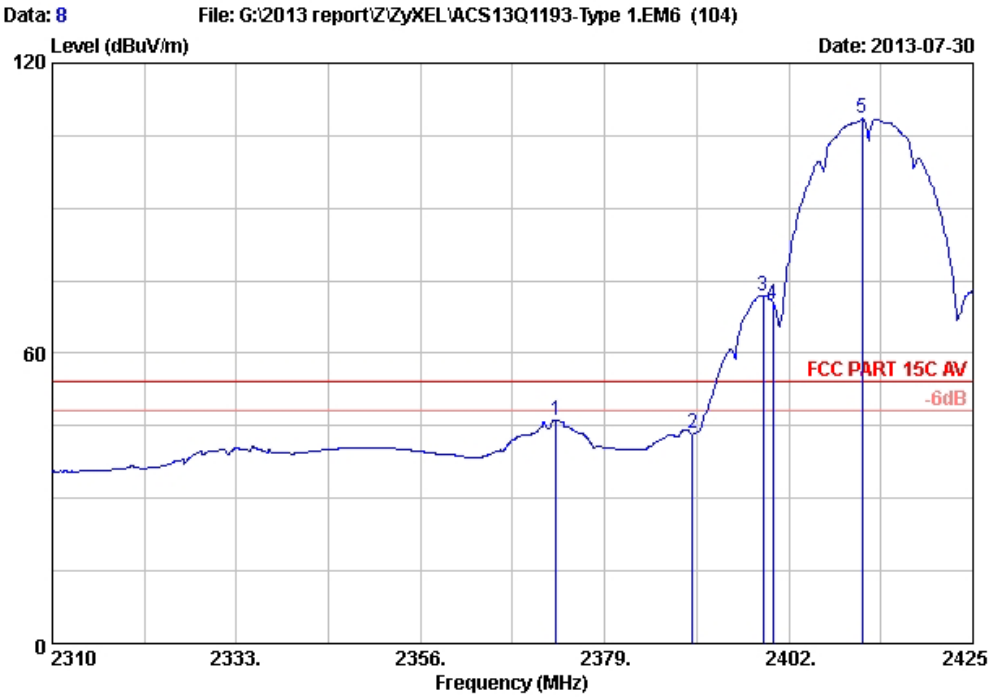
## Device Type 1




Site no. : 3m Chamber Data no. : 7
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 58.68 | 55.46 | 74.00 | 18.54 | Peak |
| 2 | 2399.125 | 26.75 | 6.02 | 0.00 | 43.20 | 75.97 | 74.00 | -1.97 | Peak |
| 3 | 2400.000 | 26.76 | 6.02 | 35.92 | 77.27 | 74.13 | 74.00 | -0.13 | Peak |
| 4 | 2412.006 | 26.84 | 6.04 | 0.00 | 79.21 | 112.09 | 74.00 | -38.09 | Peak |

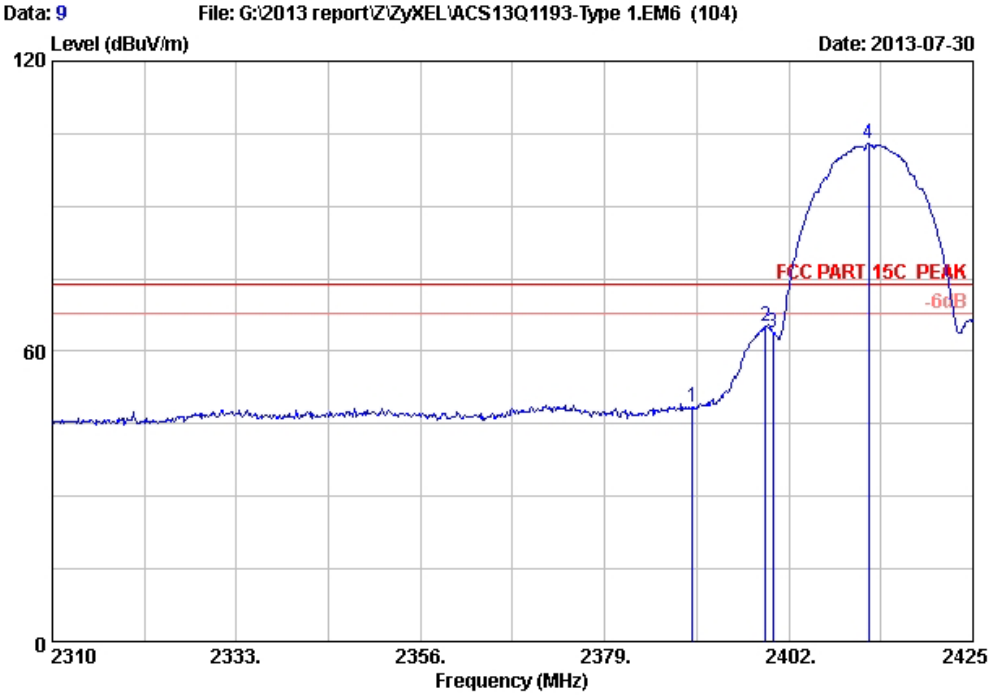
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2372.905 | 26.59 | 5.97 | 35.92 | 49.56 | 46.20 | 54.00 | 7.80 | Average |
| 2 | 2390.000 | 26.70 | 6.00 | 35.92 | 46.53 | 43.31 | 54.00 | 10.69 | Average |
| 3 | 2398.780 | 26.75 | 6.01 | 35.92 | 75.12 | 71.96 | 54.00 | -17.96 | Average |
| 4 | 2400.000 | 26.76 | 6.02 | 35.92 | 73.42 | 70.28 | 54.00 | -16.28 | Average |
| 5 | 2411.200 | 26.83 | 6.04 | 35.92 | 111.52 | 108.47 | 54.00 | -54.47 | Average |

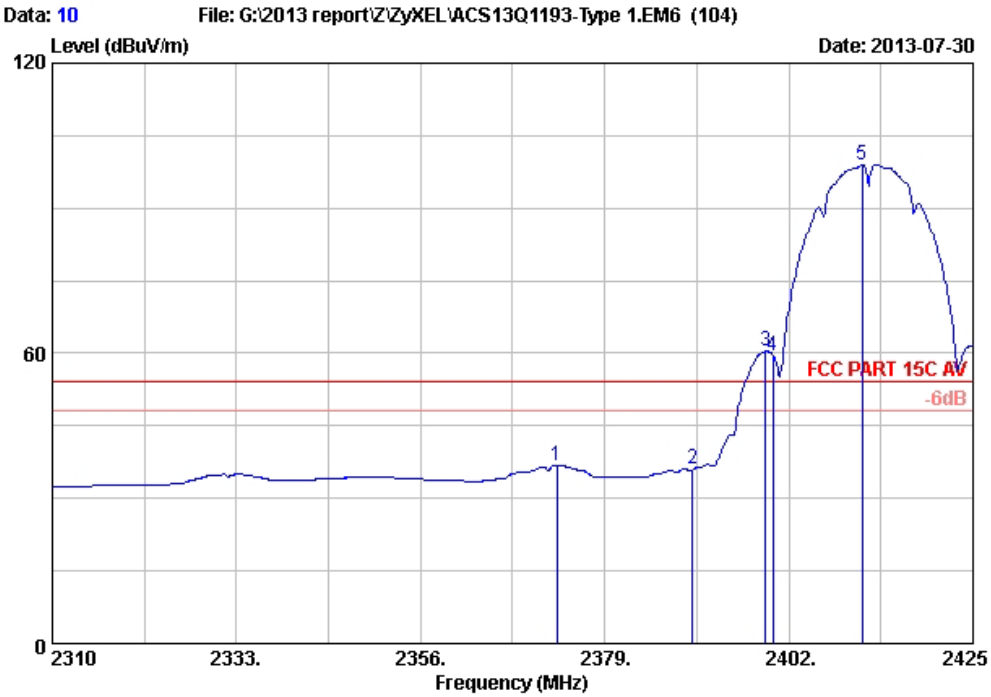
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 9
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 51.53 | 48.31 | 74.00 | 25.69 | Peak |
| 2 | 2399.125 | 26.75 | 6.02 | 35.92 | 68.36 | 65.21 | 74.00 | 8.79 | Peak |
| 3 | 2400.000 | 26.76 | 6.02 | 35.92 | 67.03 | 63.89 | 74.00 | 10.11 | Peak |
| 4 | 2412.002 | 26.84 | 6.04 | 0.00 | 70.16 | 103.04 | 74.00 | -29.04 | Peak |

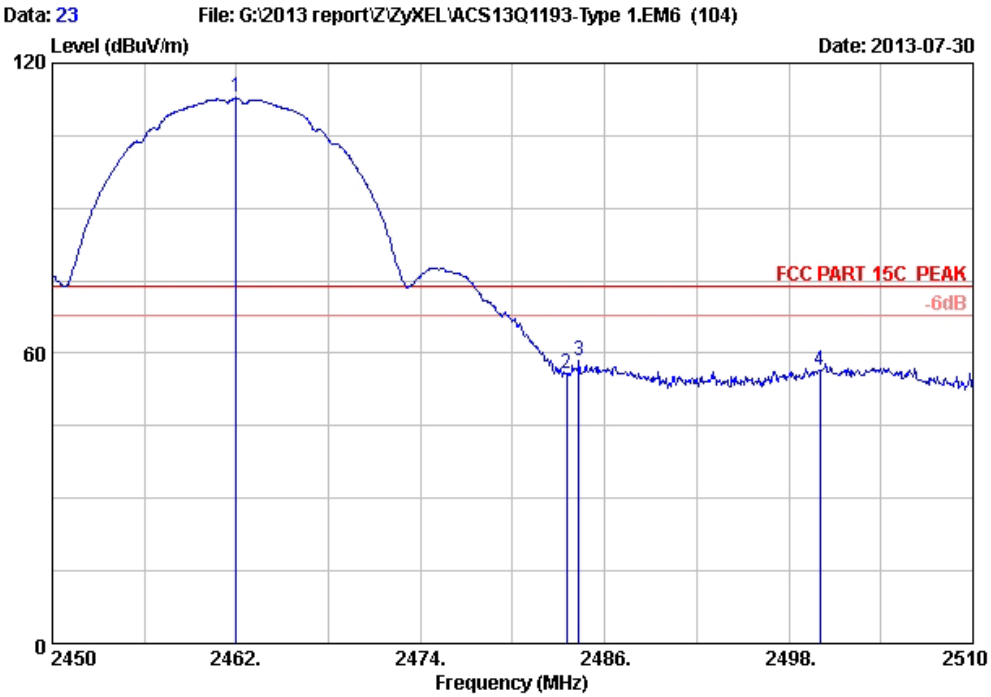
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2373.020 | 26.59 | 5.97 | 35.92 | 40.20 | 36.84 | 54.00 | 17.16 | Average |
| 2 | 2390.000 | 26.70 | 6.00 | 35.92 | 39.17 | 35.95 | 54.00 | 18.05 | Average |
| 3 | 2399.125 | 26.75 | 6.02 | 35.92 | 63.59 | 60.44 | 54.00 | -6.44 | Average |
| 4 | 2400.000 | 26.76 | 6.02 | 35.92 | 62.51 | 59.37 | 54.00 | -5.37 | Average |
| 5 | 2411.200 | 26.83 | 6.04 | 35.92 | 102.13 | 99.08 | 54.00 | -45.08 | Average |

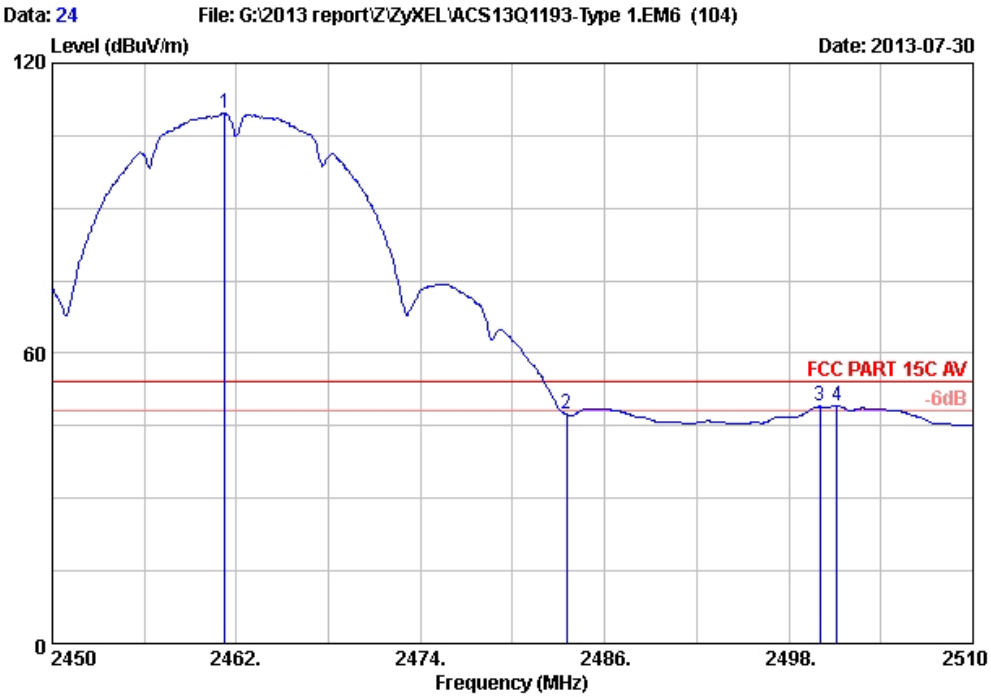
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 23
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2462.000 | 27.16 | 6.12 | 35.92 | 115.52 | 112.88 | 74.00 | -38.88 | Peak |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 58.29 | 55.82 | 74.00 | 18.18 | Peak |
| 3 | 2484.320 | 27.30 | 6.16 | 35.92 | 60.90 | 58.44 | 74.00 | 15.56 | Peak |
| 4 | 2500.000 | 27.40 | 6.19 | 35.93 | 58.80 | 56.46 | 74.00 | 17.54 | Peak |

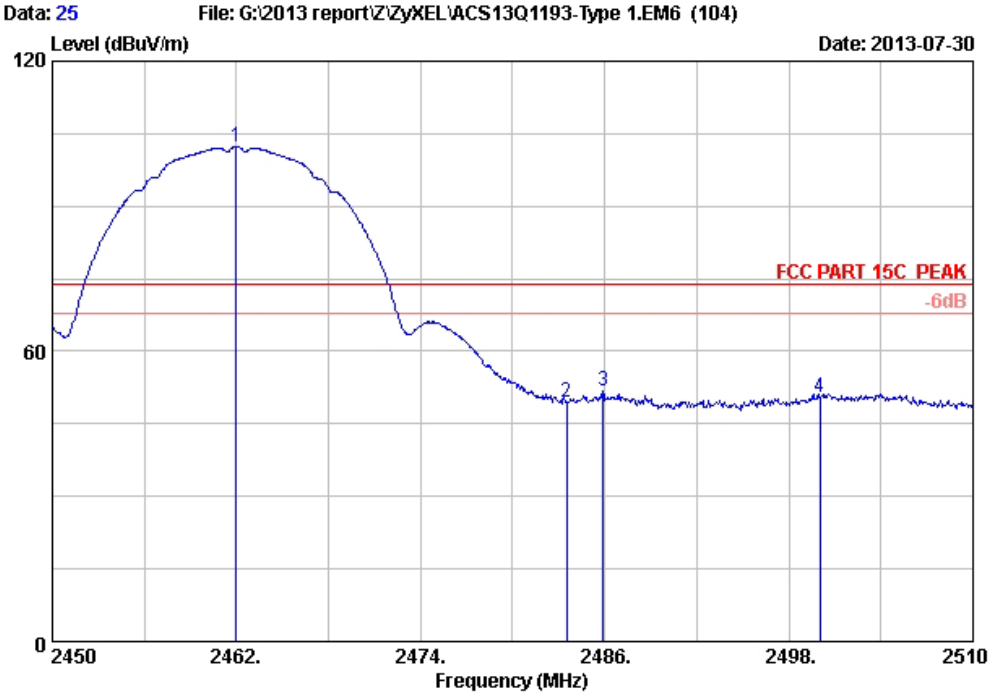
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2461.220 | 27.15 | 6.12 | 35.92 | 112.23 | 109.58 | 54.00 | -55.58 | Average |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 49.86 | 47.39 | 54.00 | 6.61 | Average |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 51.32 | 48.98 | 54.00 | 5.02 | Average |
| 4 | 2501.120 | 27.40 | 6.19 | 35.93 | 51.46 | 49.12 | 54.00 | 4.88 | Average |

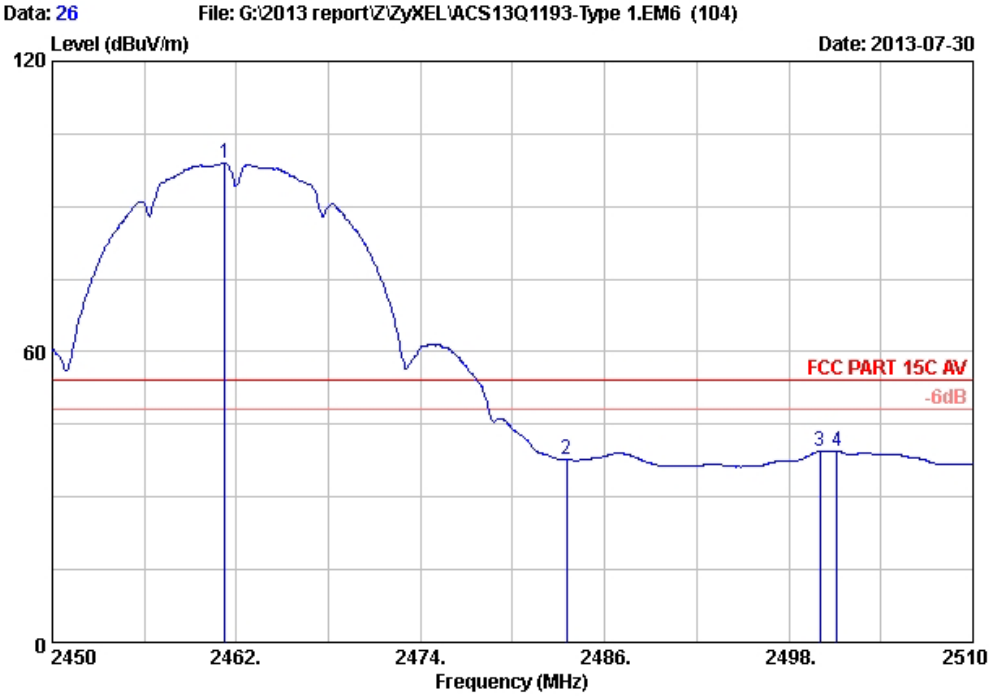
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 25
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2462.000 | 27.16 | 6.12 | 35.92 | 105.08 | 102.44 | 74.00 | -28.44 | Peak |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 51.96 | 49.49 | 74.00 | 24.51 | Peak |
| 3 | 2485.880 | 27.31 | 6.16 | 35.92 | 54.32 | 51.87 | 74.00 | 22.13 | Peak |
| 4 | 2500.000 | 27.40 | 6.19 | 35.93 | 52.87 | 50.53 | 74.00 | 23.47 | Peak |

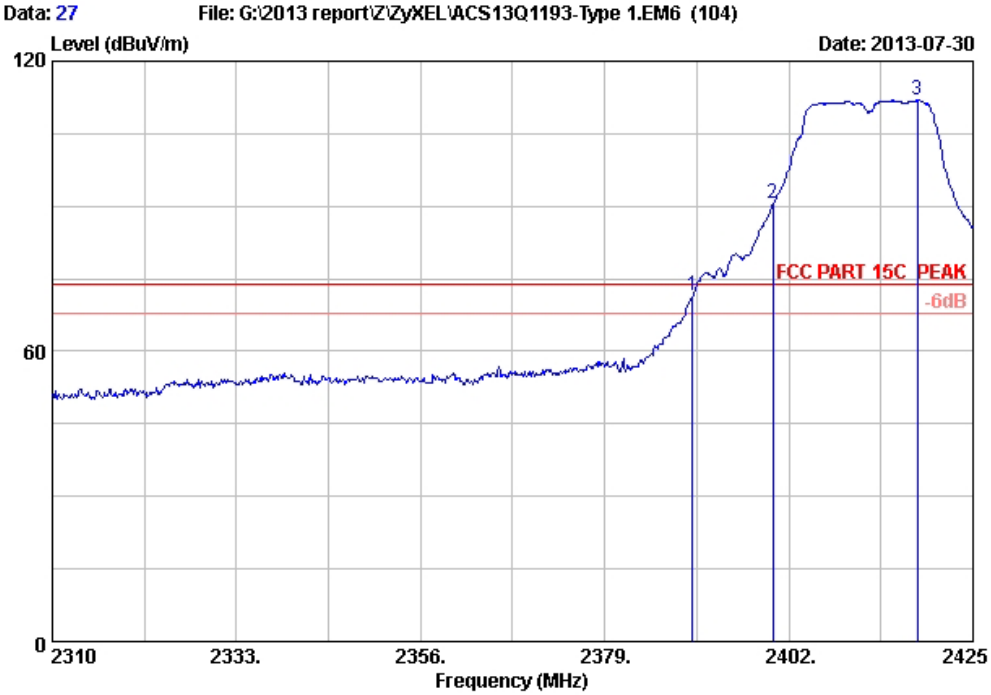
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2461.220 | 27.15 | 6.12 | 35.92 | 101.62 | 98.97 | 54.00 | -44.97 | Average |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 40.23 | 37.76 | 54.00 | 16.24 | Average |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 41.76 | 39.42 | 54.00 | 14.58 | Average |
| 4 | 2501.120 | 27.40 | 6.19 | 35.93 | 41.81 | 39.47 | 54.00 | 14.53 | Average |

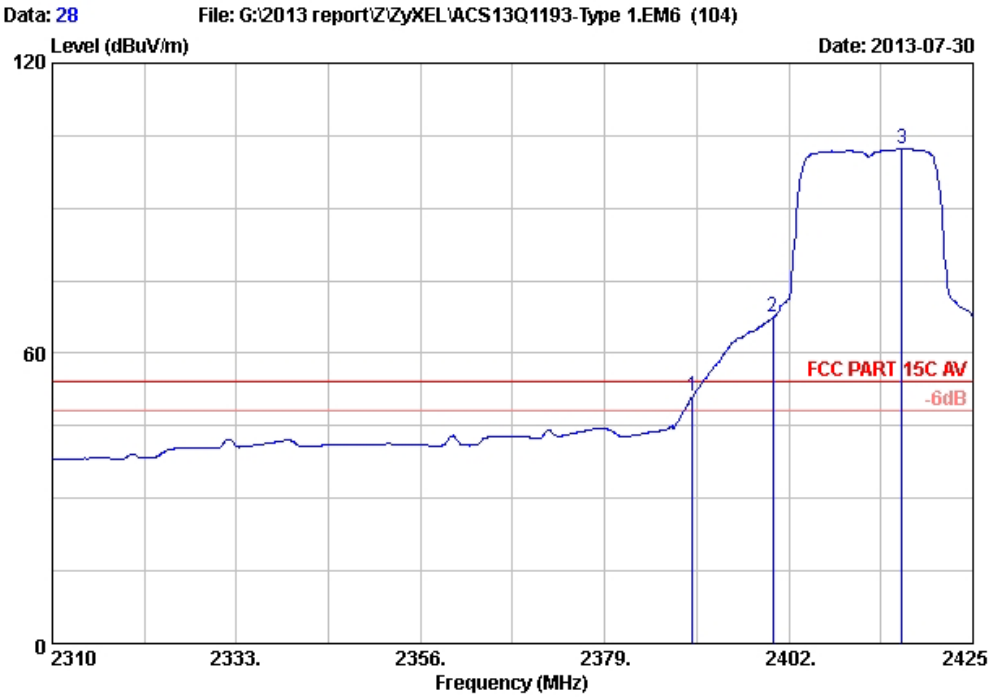
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 27
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 74.69 | 71.47 | 74.00 | 2.53 | Peak |
| 2 | 2400.000 | 26.76 | 6.02 | 35.92 | 93.59 | 90.45 | 74.00 | -16.45 | Peak |
| 3 | 2418.100 | 26.88 | 6.05 | 35.92 | 114.88 | 111.89 | 74.00 | -37.89 | Peak |

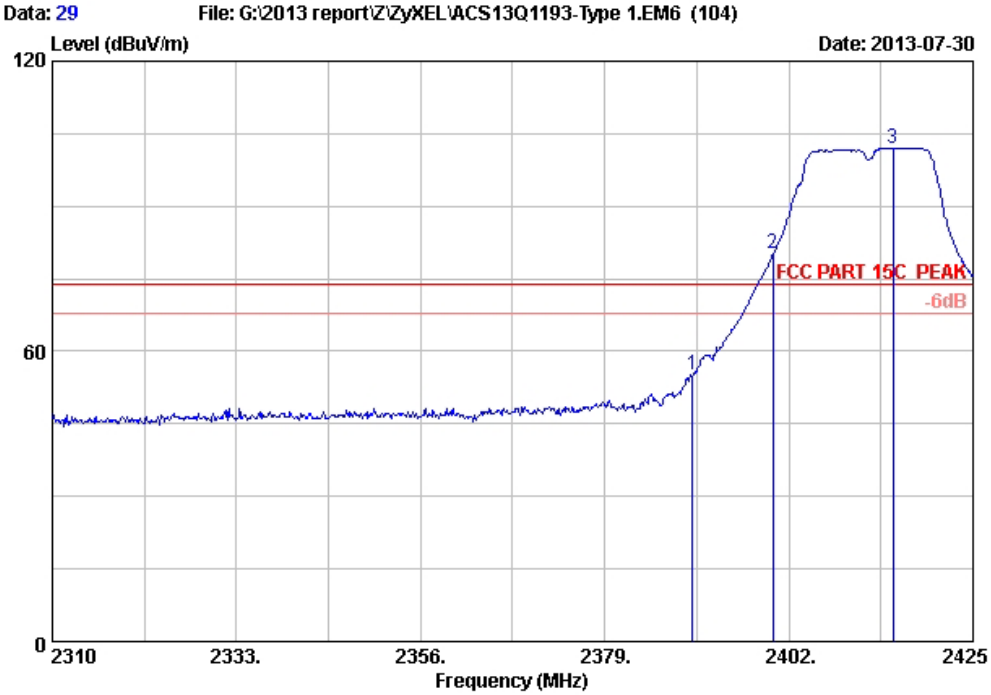
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 54.45 | 51.23 | 54.00 | 2.77 | Average |
| 2 | 2400.045 | 26.76 | 6.02 | 35.92 | 70.52 | 67.38 | 54.00 | -13.38 | Average |
| 3 | 2416.145 | 26.86 | 6.04 | 35.92 | 105.22 | 102.20 | 54.00 | -48.20 | Average |

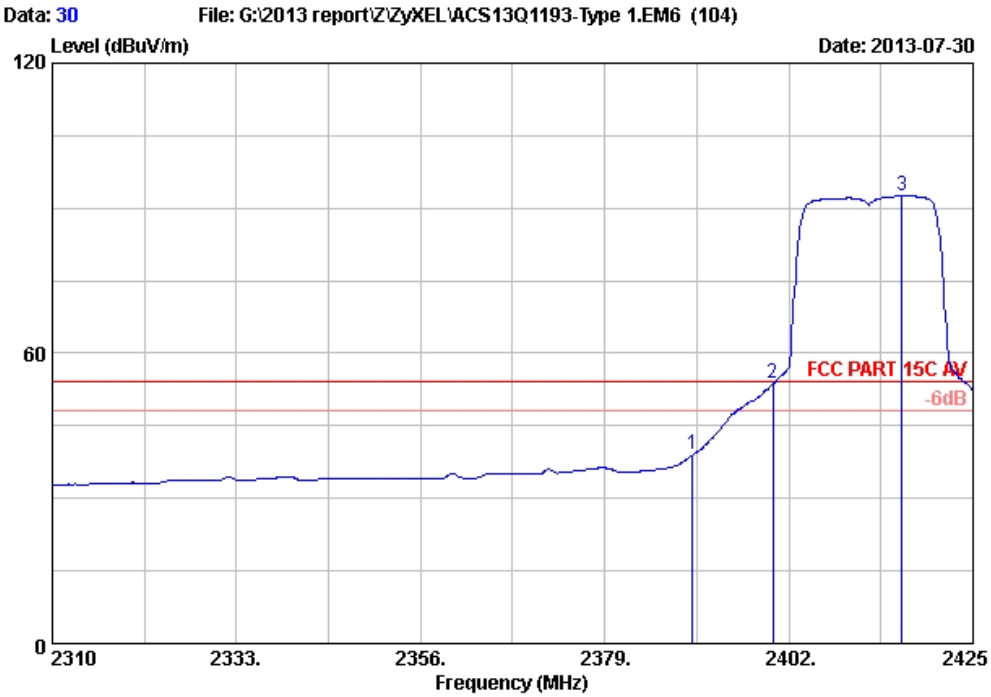
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 58.24 | 55.02 | 74.00 | 18.98 | Peak |
| 2 | 2400.000 | 26.76 | 6.02 | 35.92 | 83.28 | 80.14 | 74.00 | -6.14 | Peak |
| 3 | 2414.995 | 26.86 | 6.04 | 35.92 | 105.11 | 102.09 | 74.00 | -28.09 | Peak |

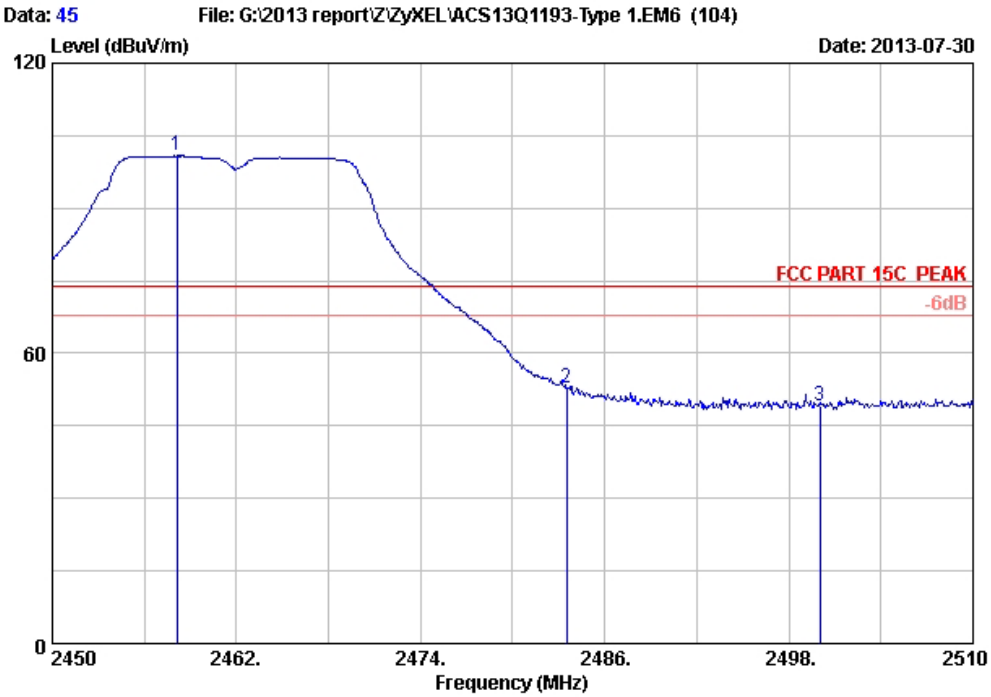
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 42.18 | 38.96 | 54.00 | 15.04 | Average |
| 2 | 2400.000 | 26.76 | 6.02 | 35.92 | 56.90 | 53.76 | 54.00 | 0.24 | Average |
| 3 | 2416.145 | 26.86 | 6.04 | 35.92 | 95.64 | 92.62 | 54.00 | -38.62 | Average |

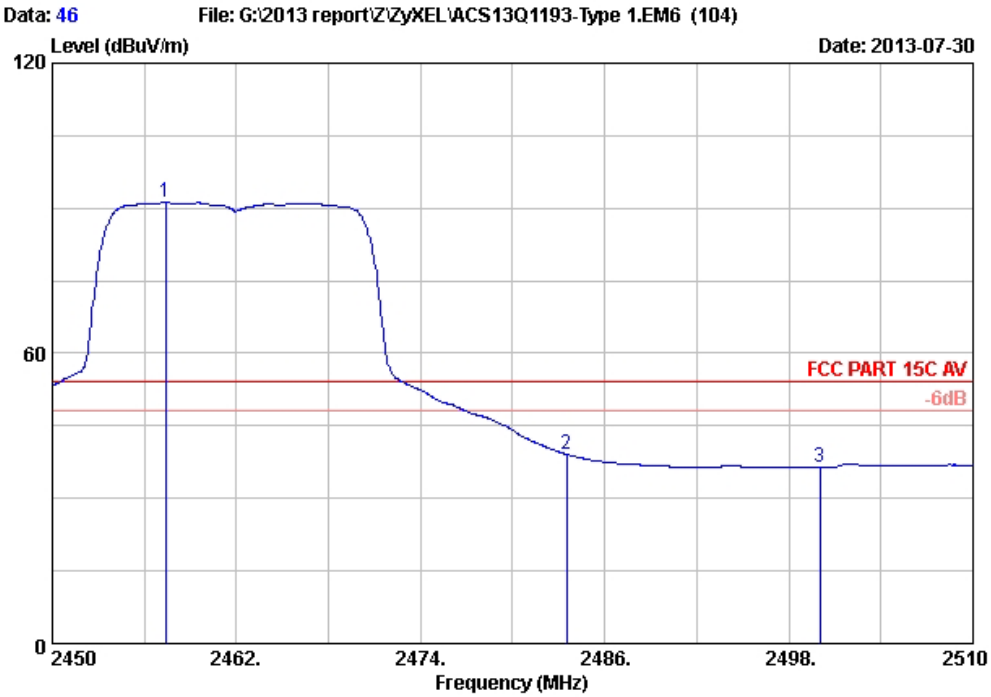
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2458.100 | 27.13 | 6.12 | 35.92 | 103.46 | 100.79 | 74.00 | -26.79 | Peak |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 55.19 | 52.72 | 74.00 | 21.28 | Peak |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 51.44 | 49.10 | 74.00 | 24.90 | Peak |

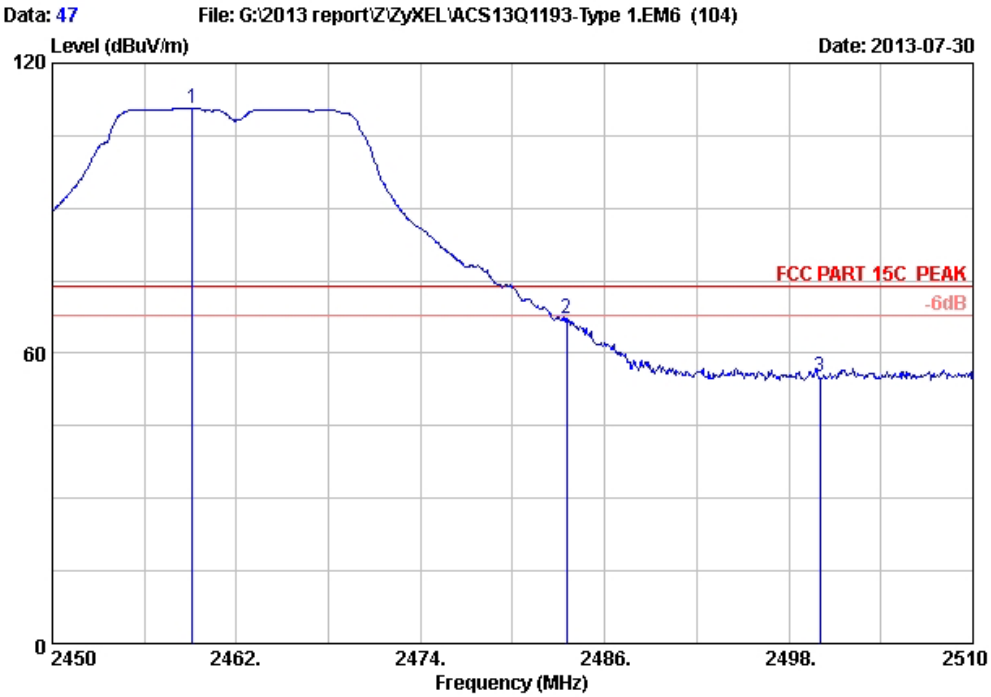
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2457.380 | 27.13 | 6.11 | 35.92 | 93.79 | 91.11 | 54.00 | -37.11 | Average |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 41.59 | 39.12 | 54.00 | 14.88 | Average |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 38.79 | 36.45 | 54.00 | 17.55 | Average |

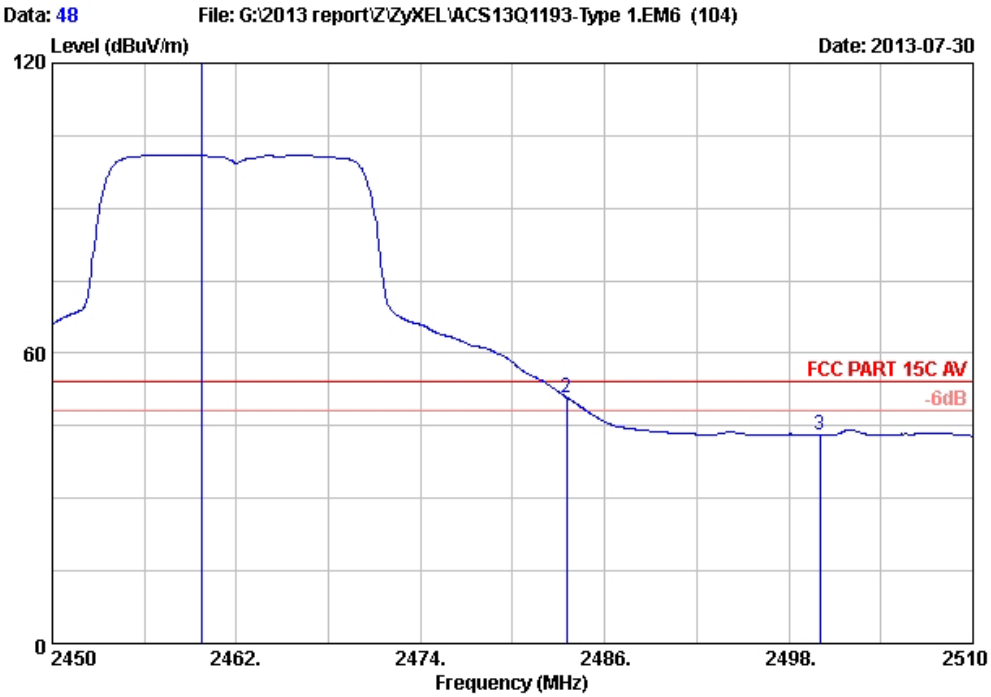
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2459.120 | 27.14 | 6.12 | 0.00 | 77.39 | 110.65 | 74.00 | -36.65 | Peak |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 69.64 | 67.17 | 74.00 | 6.83 | Peak |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 57.49 | 55.15 | 74.00 | 18.85 | Peak |

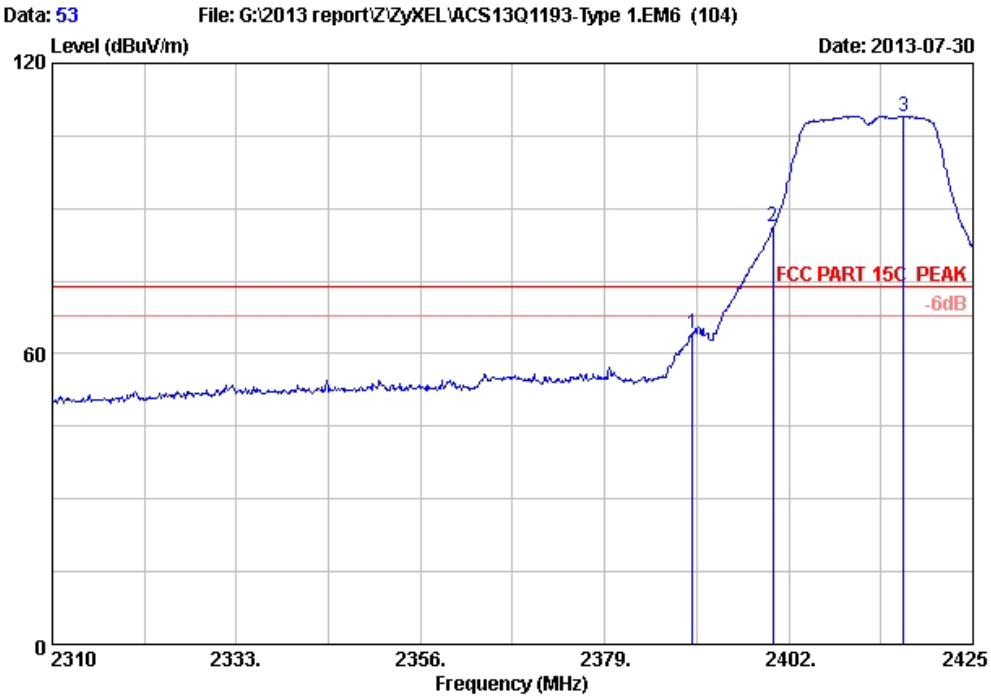
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2459.690 | 27.14 | 6.12 | 0.00 | 103.72 | 136.98 | 54.00 | -82.98 | Average |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 53.40 | 50.93 | 54.00 | 3.07 | Average |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 45.38 | 43.04 | 54.00 | 10.96 | Average |

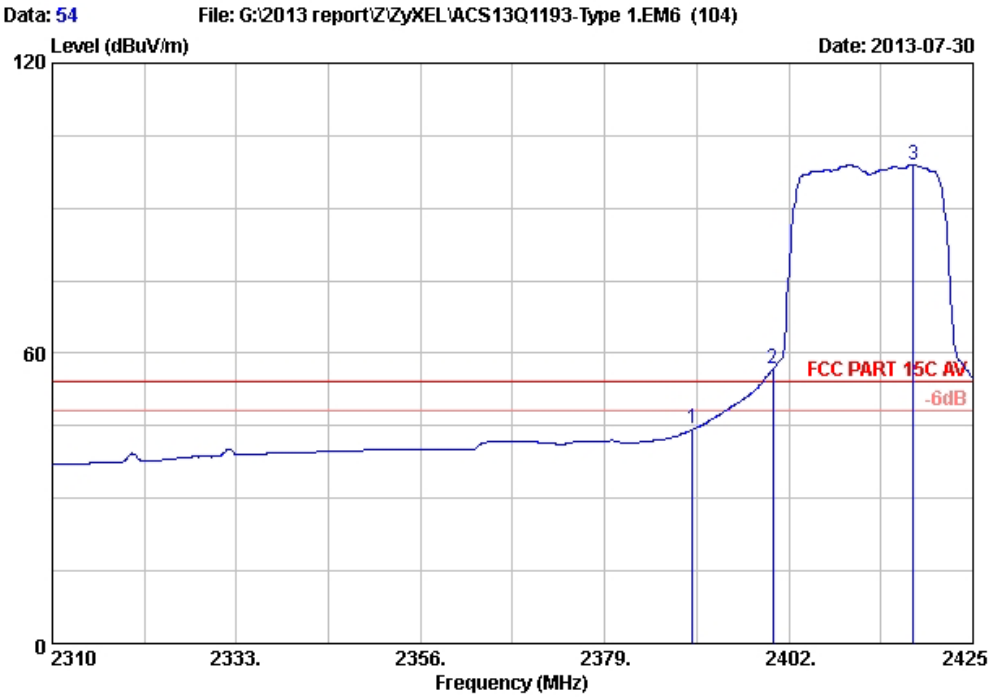
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 53
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 67.52 | 64.30 | 74.00 | 9.70 | Peak |
| 2 | 2400.000 | 26.76 | 6.02 | 35.92 | 89.32 | 86.18 | 74.00 | -12.18 | Peak |
| 3 | 2416.334 | 26.86 | 6.04 | 0.00 | 76.15 | 109.05 | 74.00 | -35.05 | Peak |

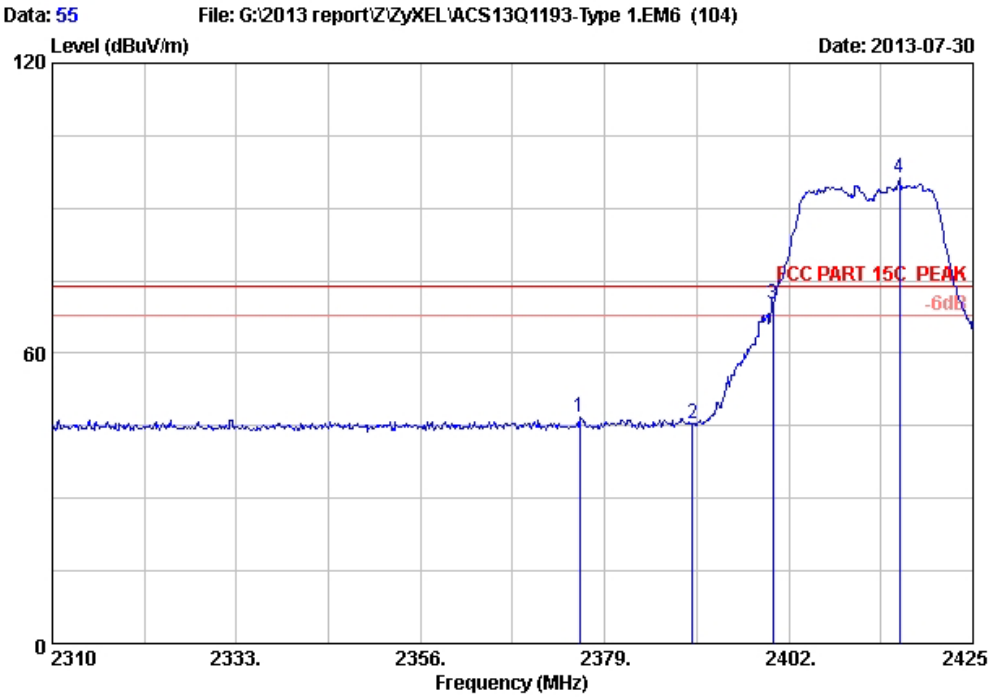
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 54
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 47.55 | 44.33 | 54.00 | 9.67 | Average |
| 2 | 2400.000 | 26.76 | 6.02 | 35.92 | 59.99 | 56.85 | 54.00 | -2.85 | Average |
| 3 | 2417.587 | 26.87 | 6.05 | 0.00 | 66.02 | 98.94 | 54.00 | -44.94 | Average |

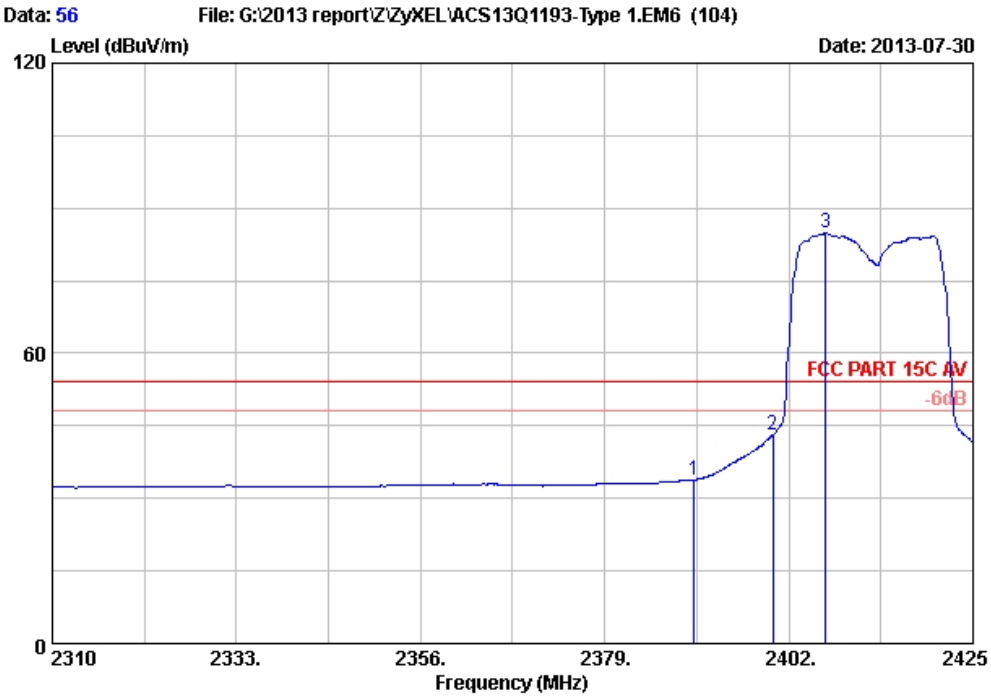
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2375.895 | 26.61 | 5.98 | 35.92 | 49.97 | 46.64 | 74.00 | 27.36 | Peak |
| 2 | 2390.000 | 26.70 | 6.00 | 35.92 | 48.78 | 45.56 | 74.00 | 28.44 | Peak |
| 3 | 2400.000 | 26.76 | 6.02 | 35.92 | 73.50 | 70.36 | 74.00 | 3.64 | Peak |
| 4 | 2415.800 | 26.86 | 6.04 | 0.00 | 63.32 | 96.22 | 74.00 | -22.22 | Peak |

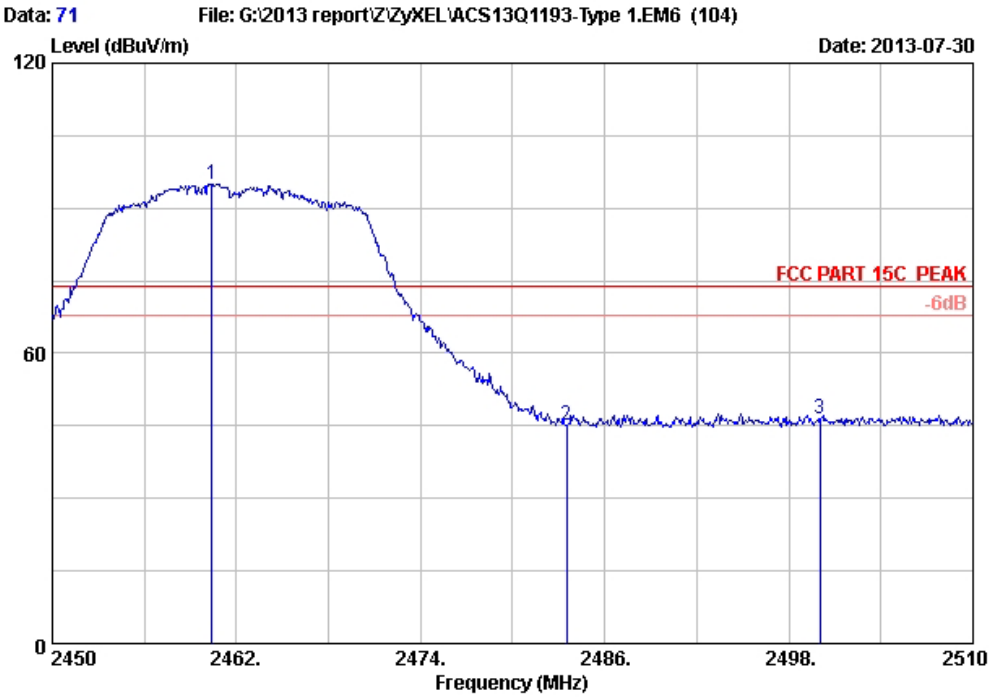
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.140 | 26.70 | 6.00 | 0.00 | 1.16 | 33.86 | 54.00 | 20.14 | Average |
| 2 | 2400.045 | 26.76 | 6.02 | 35.92 | 46.36 | 43.22 | 54.00 | 10.78 | Average |
| 3 | 2406.600 | 26.80 | 6.03 | 35.92 | 87.88 | 84.79 | 54.00 | -30.79 | Average |

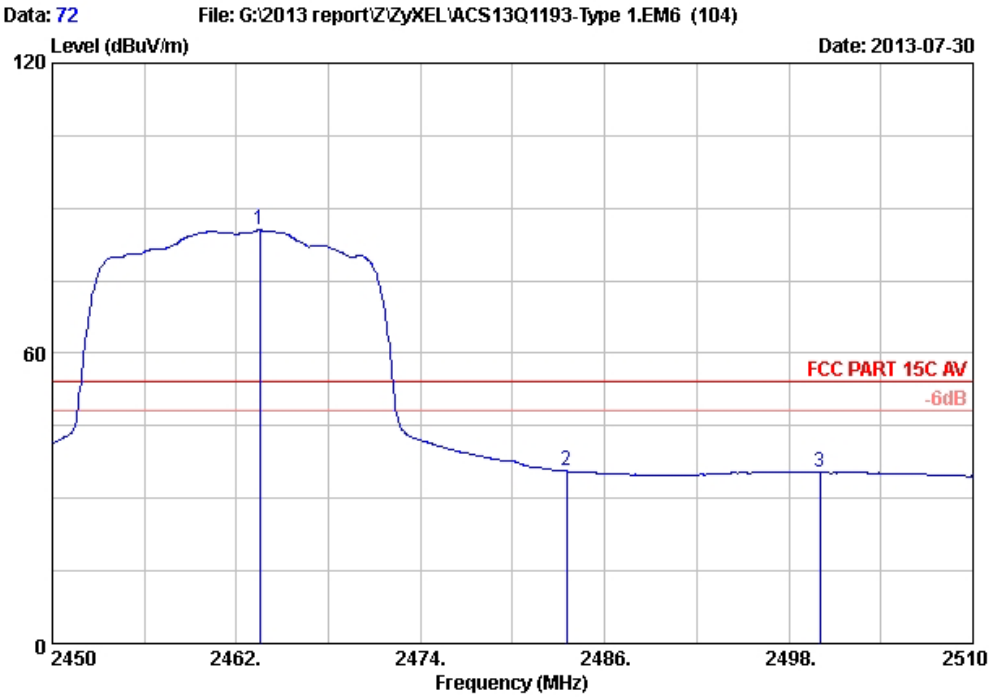
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2460.380 | 27.15 | 6.12 | 35.92 | 97.64 | 94.99 | 74.00 | -20.99 | Peak |
| 2 | 2483.500 | 27.29 | 6.16 | 0.00 | 11.65 | 45.10 | 74.00 | 28.90 | Peak |
| 3 | 2500.000 | 27.40 | 6.19 | 0.00 | 12.90 | 46.49 | 74.00 | 27.51 | Peak |

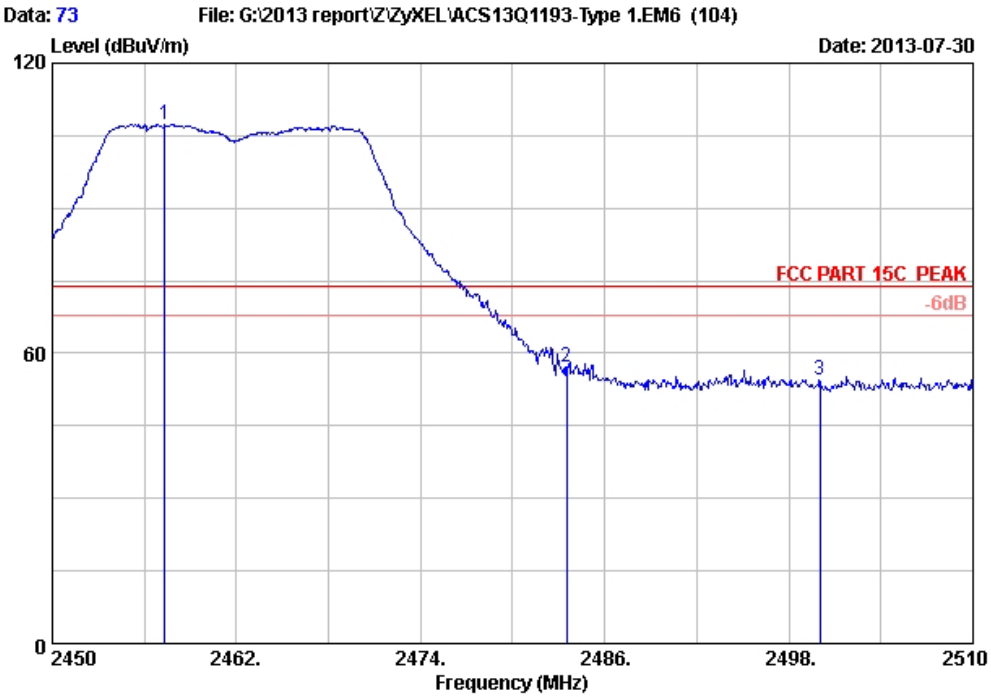
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2463.500 | 27.17 | 6.13 | 35.92 | 88.05 | 85.43 | 54.00 | -31.43 | Average |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 38.11 | 35.64 | 54.00 | 18.36 | Average |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 37.68 | 35.34 | 54.00 | 18.66 | Average |

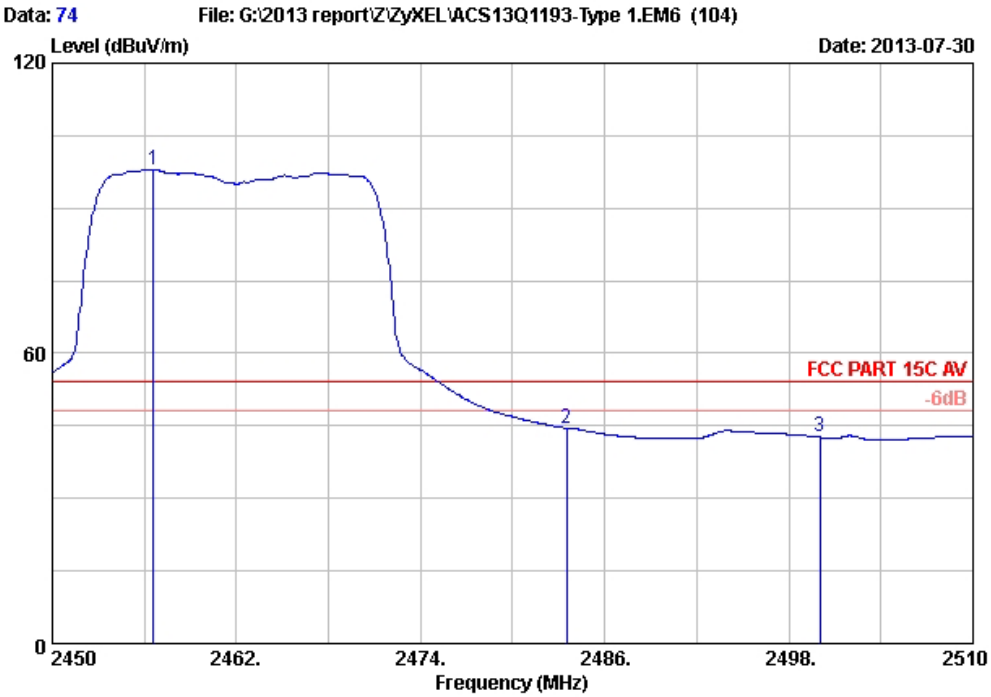
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2457.320 | 27.13 | 6.11 | 35.92 | 110.02 | 107.34 | 74.00 | -33.34 | Peak |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 59.68 | 57.21 | 74.00 | 16.79 | Peak |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 56.95 | 54.61 | 74.00 | 19.39 | Peak |

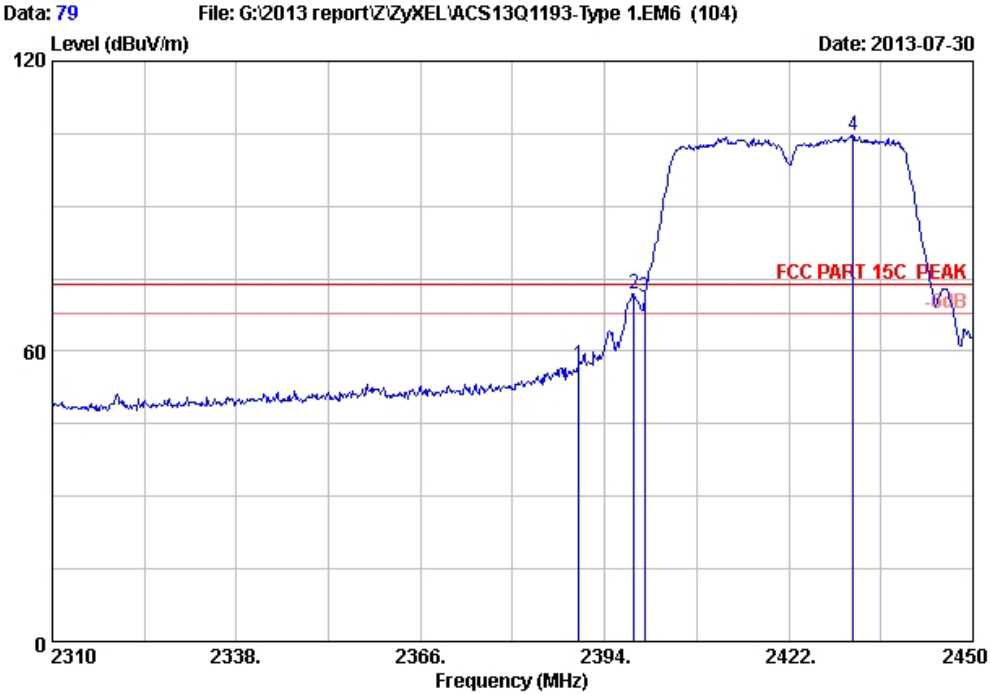
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2456.600 | 27.12 | 6.11 | 35.92 | 100.66 | 97.97 | 54.00 | -43.97 | Average |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 47.02 | 44.55 | 54.00 | 9.45 | Average |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 44.98 | 42.64 | 54.00 | 11.36 | Average |

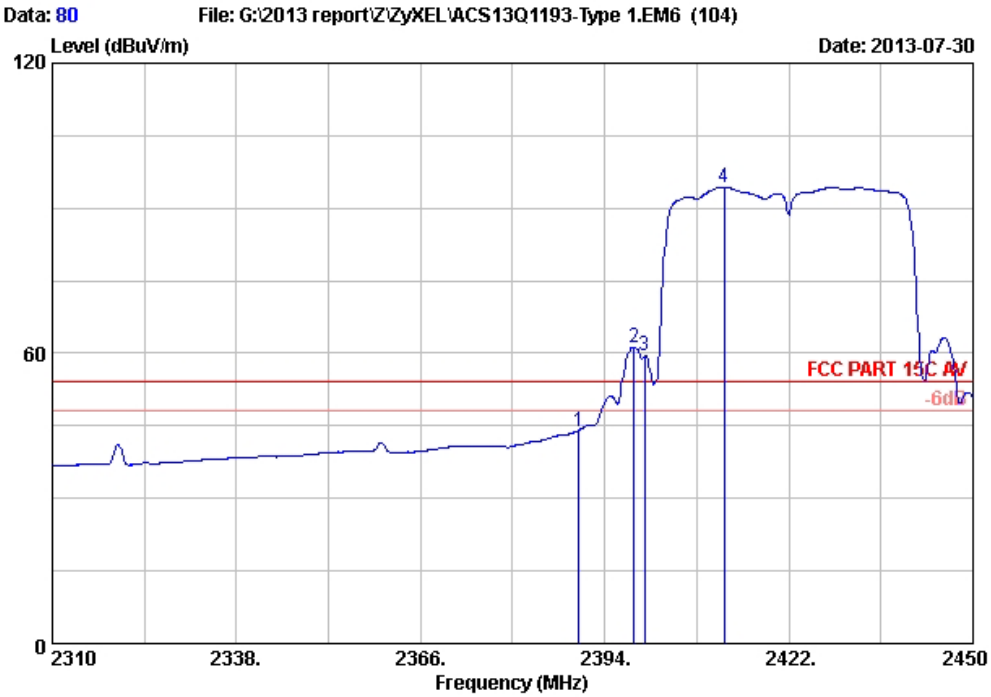
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 79
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 60.41 | 57.19 | 74.00 | 16.81 | Peak |
| 2 | 2398.480 | 26.75 | 6.01 | 35.92 | 75.15 | 71.99 | 74.00 | 2.01 | Peak |
| 3 | 2400.000 | 26.76 | 6.02 | 35.92 | 74.19 | 71.05 | 74.00 | 2.95 | Peak |
| 4 | 2431.800 | 26.96 | 6.07 | 35.92 | 107.57 | 104.68 | 74.00 | -30.68 | Peak |

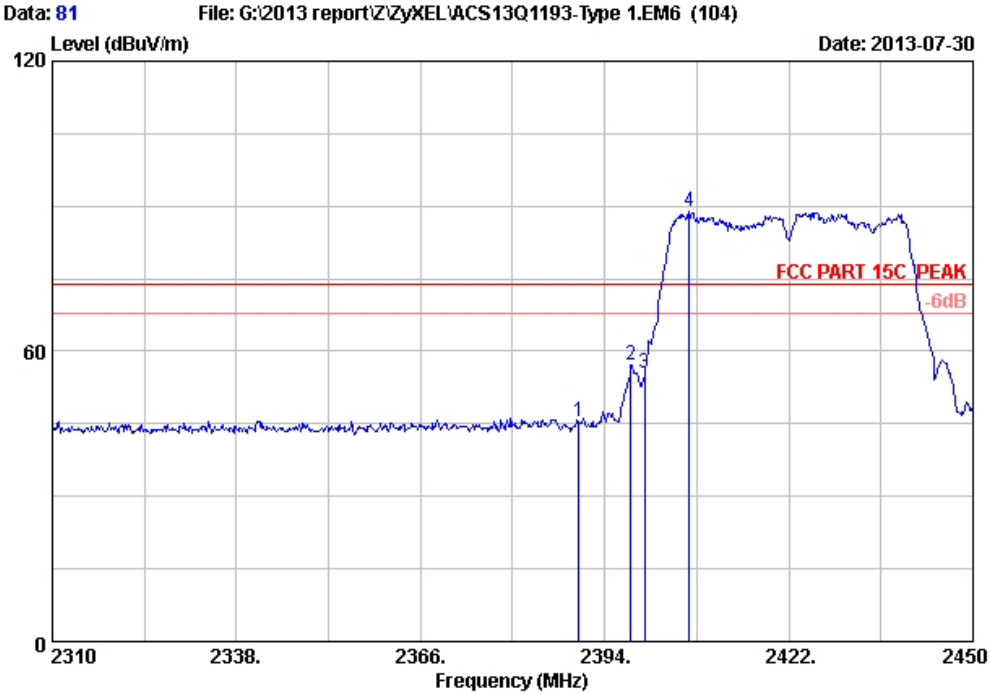
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 80
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 47.13 | 43.91 | 54.00 | 10.09 | Average |
| 2 | 2398.480 | 26.75 | 6.01 | 35.92 | 64.43 | 61.27 | 54.00 | -7.27 | Average |
| 3 | 2400.000 | 26.76 | 6.02 | 35.92 | 62.60 | 59.46 | 54.00 | -5.46 | Average |
| 4 | 2412.200 | 26.84 | 6.04 | 35.92 | 97.44 | 94.40 | 54.00 | -40.40 | Average |

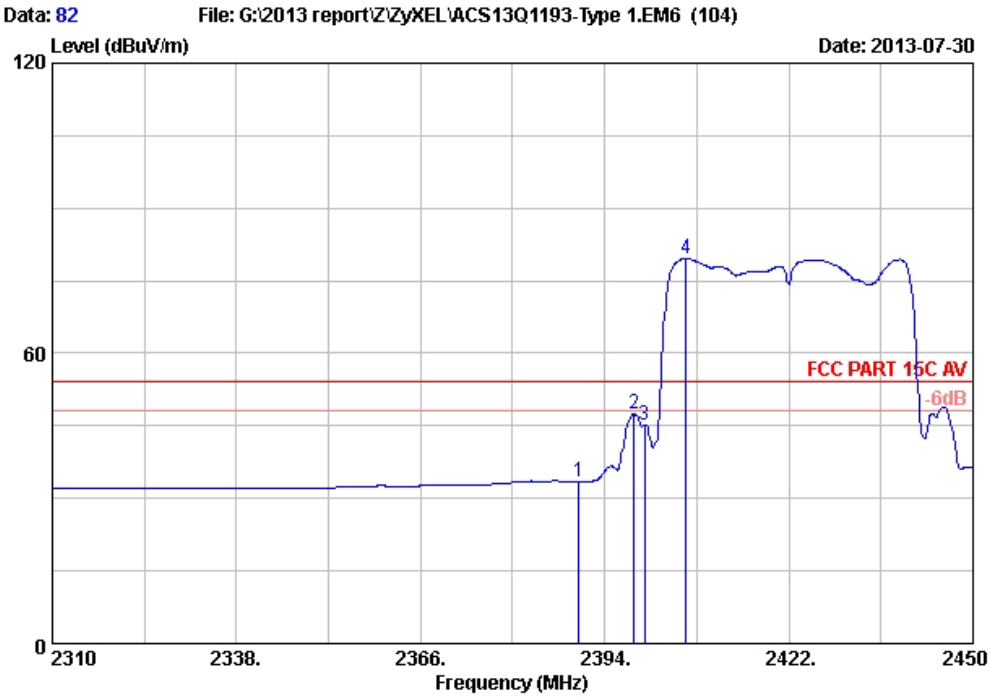
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 48.79 | 45.57 | 74.00 | 28.43 | Peak |
| 2 | 2397.920 | 26.75 | 6.01 | 35.92 | 60.38 | 57.22 | 74.00 | 16.78 | Peak |
| 3 | 2400.000 | 26.76 | 6.02 | 35.92 | 58.70 | 55.56 | 74.00 | 18.44 | Peak |
| 4 | 2406.880 | 26.80 | 6.03 | 35.92 | 92.00 | 88.91 | 74.00 | -14.91 | Peak |

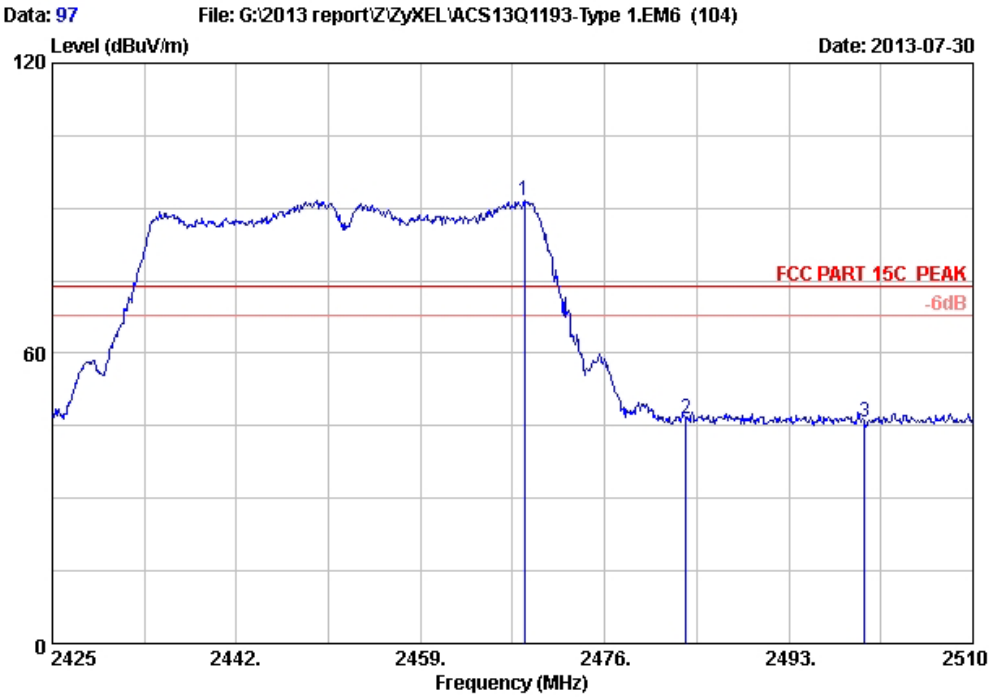
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 6.00 | 35.92 | 36.61 | 33.39 | 54.00 | 20.61 | Average |
| 2 | 2398.480 | 26.75 | 6.01 | 35.92 | 50.52 | 47.36 | 54.00 | 6.64 | Average |
| 3 | 2400.000 | 26.76 | 6.02 | 35.92 | 48.37 | 45.23 | 54.00 | 8.77 | Average |
| 4 | 2406.320 | 26.80 | 6.03 | 35.92 | 82.69 | 79.60 | 54.00 | -25.60 | Average |

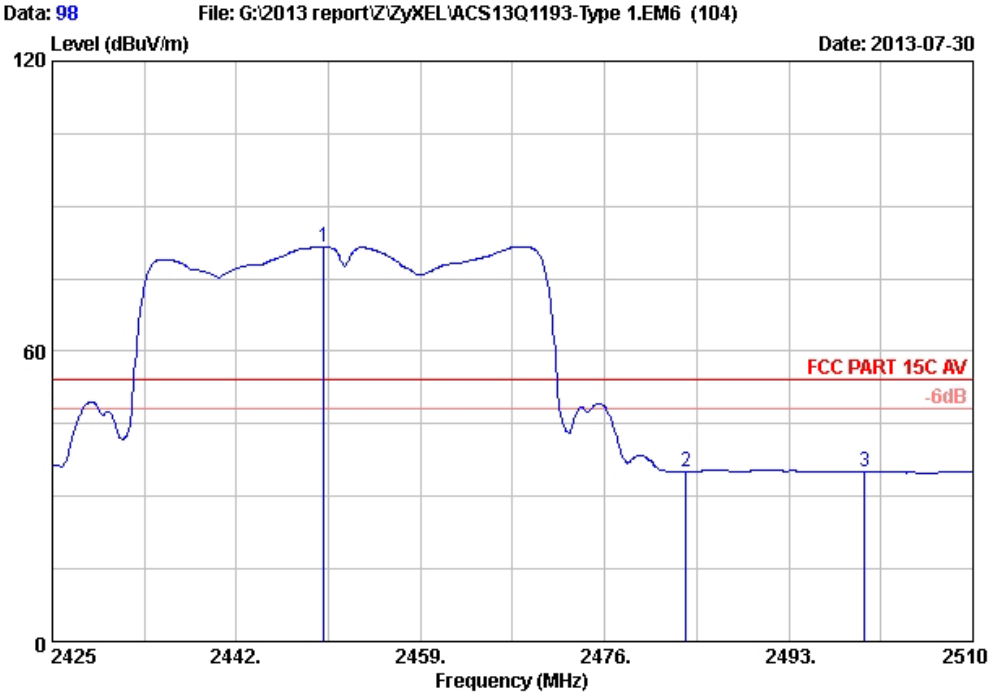
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2468.605 | 27.20 | 6.13 | 35.92 | 94.33 | 91.74 | 74.00 | -17.74 | Peak |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 48.77 | 46.30 | 74.00 | 27.70 | Peak |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 48.11 | 45.77 | 74.00 | 28.23 | Peak |

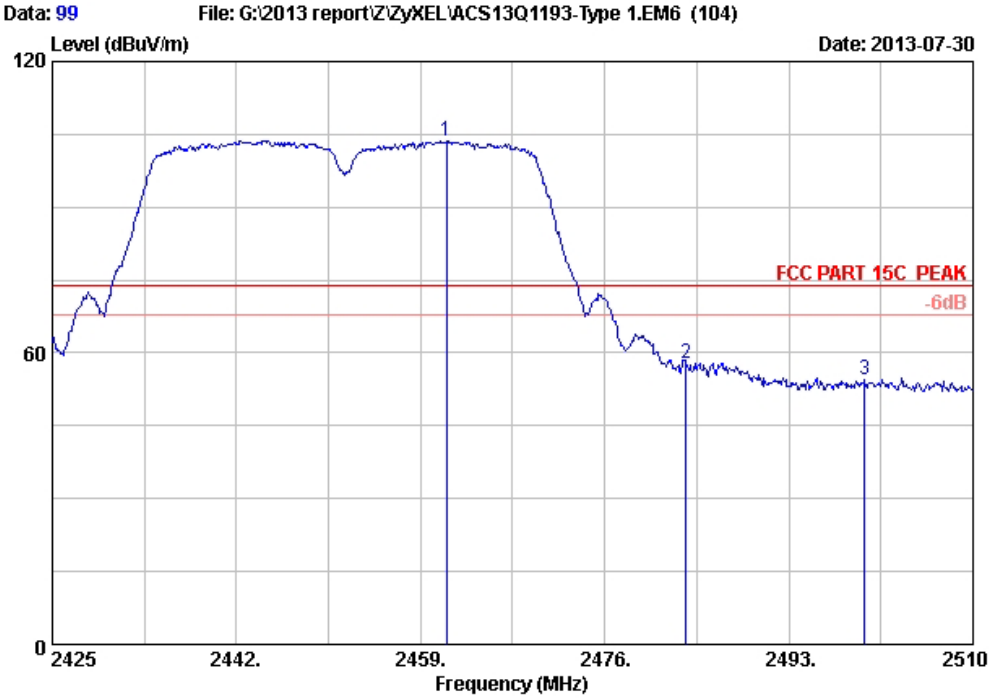
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2450.075 | 27.08 | 6.10 | 35.92 | 84.39 | 81.65 | 54.00 | -27.65 | Average |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 37.52 | 35.05 | 54.00 | 18.95 | Average |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 37.34 | 35.00 | 54.00 | 19.00 | Average |

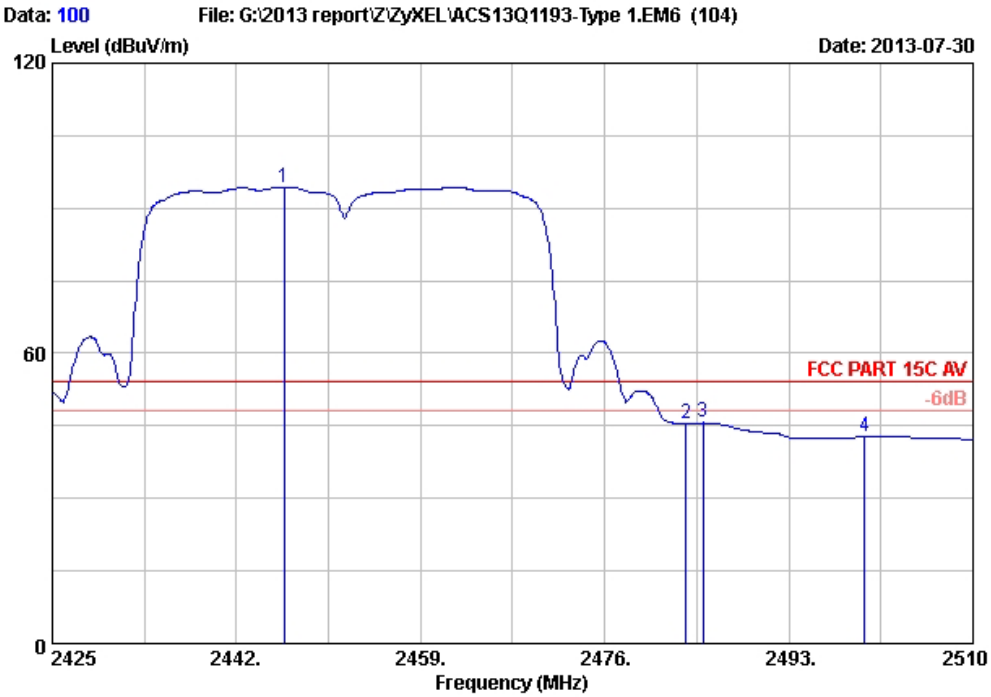
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 99
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2461.380 | 27.15 | 6.12 | 35.92 | 106.31 | 103.66 | 74.00 | -29.66 | Peak |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 60.20 | 57.73 | 74.00 | 16.27 | Peak |
| 3 | 2500.000 | 27.40 | 6.19 | 35.93 | 56.81 | 54.47 | 74.00 | 19.53 | Peak |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

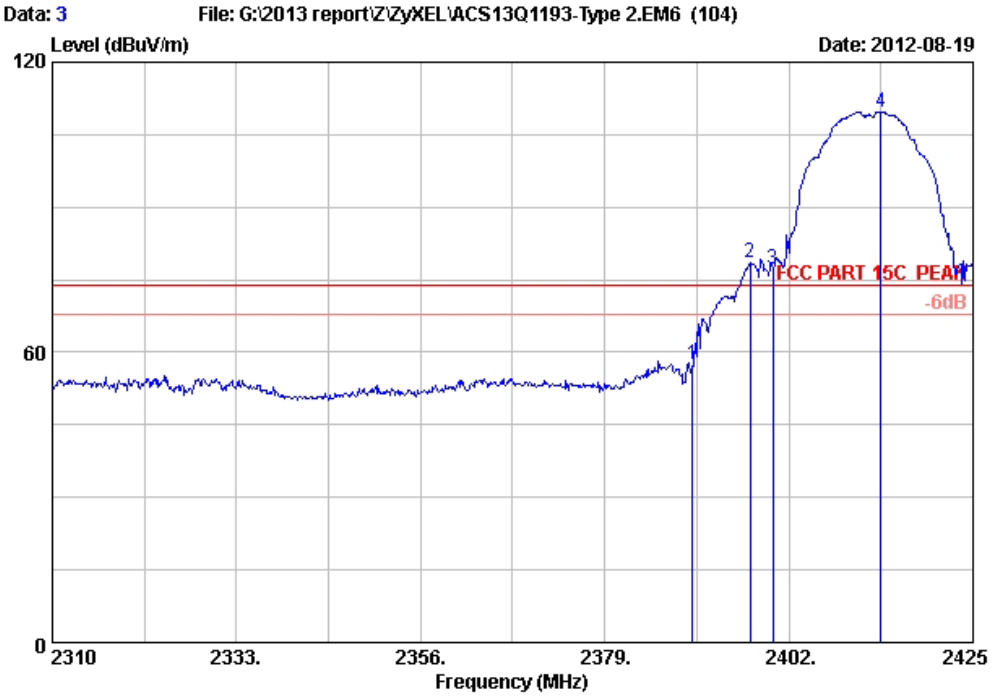



Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 1

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2446.420 | 27.06 | 6.10 | 35.92 | 97.12 | 94.36 | 54.00 | -40.36 | Average |
| 2 | 2483.500 | 27.29 | 6.16 | 35.92 | 47.84 | 45.37 | 54.00 | 8.63 | Average |
| 3 | 2485.095 | 27.30 | 6.16 | 35.92 | 48.09 | 45.63 | 54.00 | 8.37 | Average |
| 4 | 2500.000 | 27.40 | 6.19 | 35.93 | 45.06 | 42.72 | 54.00 | 11.28 | Average |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

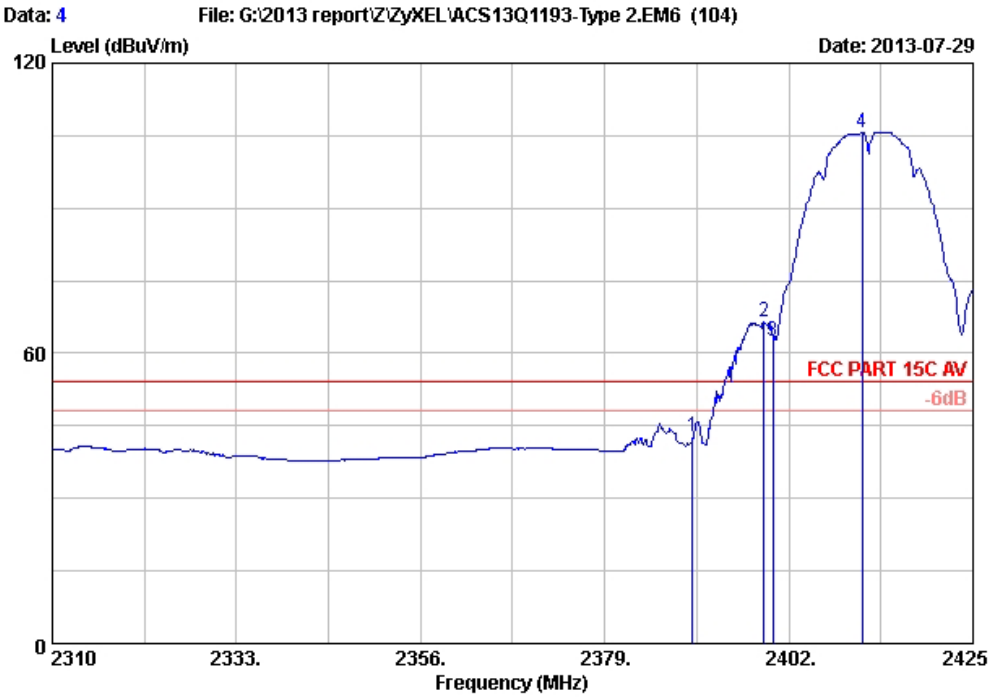
## Device Type 2




Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 2012 3115 (4580) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 26.70 | 5.78 | 35.70 | 60.67 | 57.45 | 74.00 | 16.55 | Peak |
| 2 | 2397.170 | 26.74 | 5.79 | 35.70 | 81.69 | 78.52 | 74.00 | -4.52 | Peak |
| 3 | 2400.000 | 26.76 | 5.80 | 35.70 | 80.34 | 77.20 | 74.00 | -3.20 | Peak |
| 4 | 2413.500 | 26.85 | 5.82 | 35.70 | 112.73 | 109.70 | 74.00 | -35.70 | Peak |

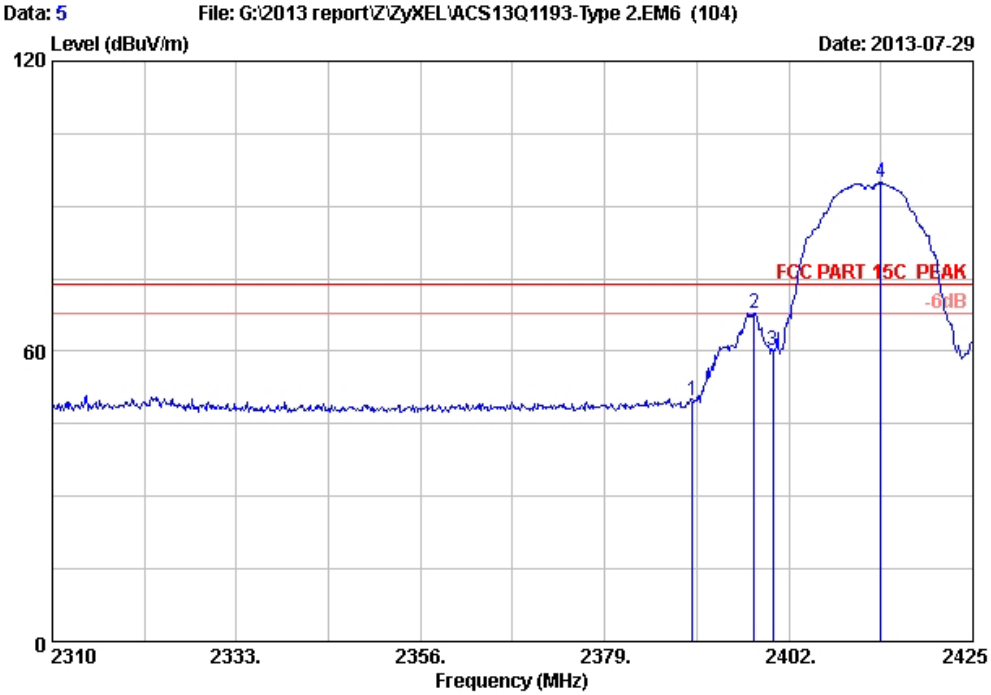
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 2012 3115 (4877) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 23.80 | 5.78 | 35.70 | 48.89 | 42.77 | 54.00 | 11.23 | Average |
| 2 | 2398.895 | 23.79 | 5.80 | 35.70 | 72.72 | 66.61 | 54.00 | -12.61 | Average |
| 3 | 2400.000 | 23.79 | 5.80 | 35.70 | 68.76 | 62.65 | 54.00 | -8.65 | Average |
| 4 | 2411.200 | 23.78 | 5.81 | 35.70 | 111.87 | 105.76 | 54.00 | -51.76 | Average |

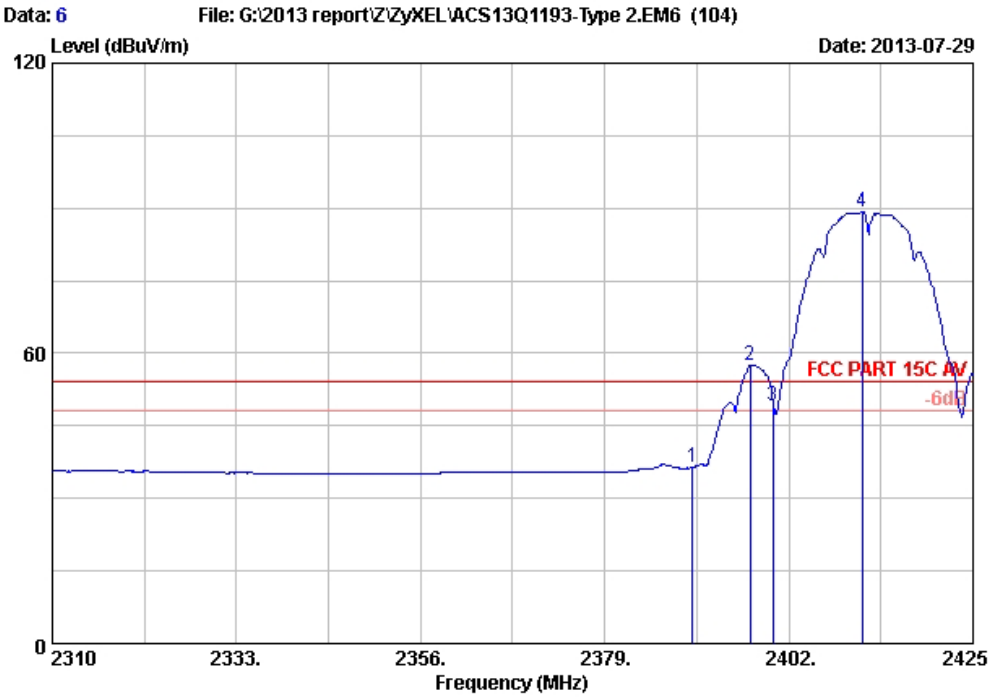
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 5
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 50.25 | 49.78 | 74.00 | 24.22 | Peak |
| 2 | 2397.630 | 27.96 | 6.01 | 34.44 | 68.34 | 67.87 | 74.00 | 6.13 | Peak |
| 3 | 2400.000 | 27.96 | 6.01 | 34.44 | 60.79 | 60.32 | 74.00 | 13.68 | Peak |
| 4 | 2413.500 | 27.98 | 6.03 | 34.44 | 95.22 | 94.79 | 74.00 | -20.79 | Peak |

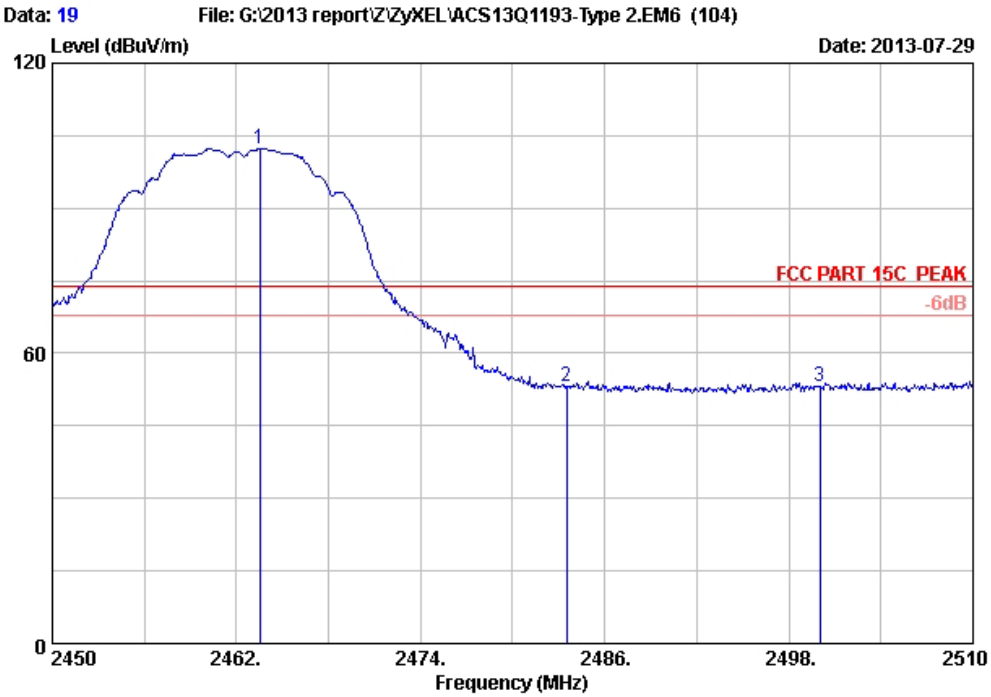
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 6
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 36.79 | 36.32 | 54.00 | 17.68 | Average |
| 2 | 2397.170 | 27.96 | 6.01 | 34.44 | 58.02 | 57.55 | 54.00 | -3.55 | Average |
| 3 | 2400.000 | 27.96 | 6.01 | 34.44 | 49.67 | 49.20 | 54.00 | 4.80 | Average |
| 4 | 2411.200 | 27.98 | 6.03 | 34.44 | 89.62 | 89.19 | 54.00 | -35.19 | Average |

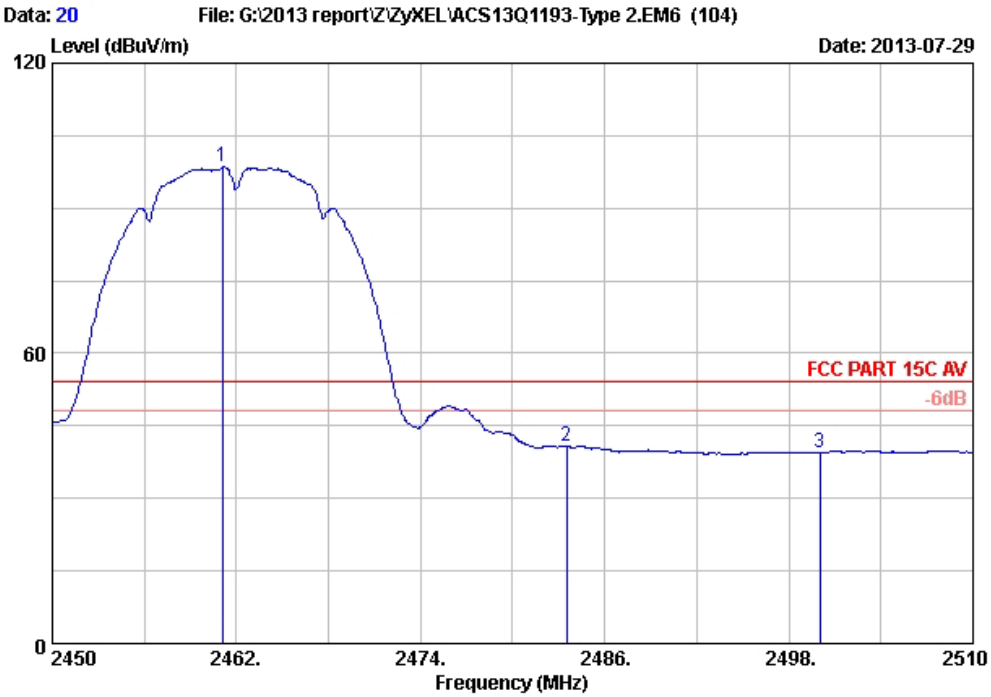
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 19
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2463.500 | 28.05 | 6.12 | 34.45 | 102.73 | 102.45 | 74.00 | -28.45 | Peak |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 53.38 | 53.16 | 74.00 | 20.84 | Peak |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 53.41 | 53.24 | 74.00 | 20.76 | Peak |

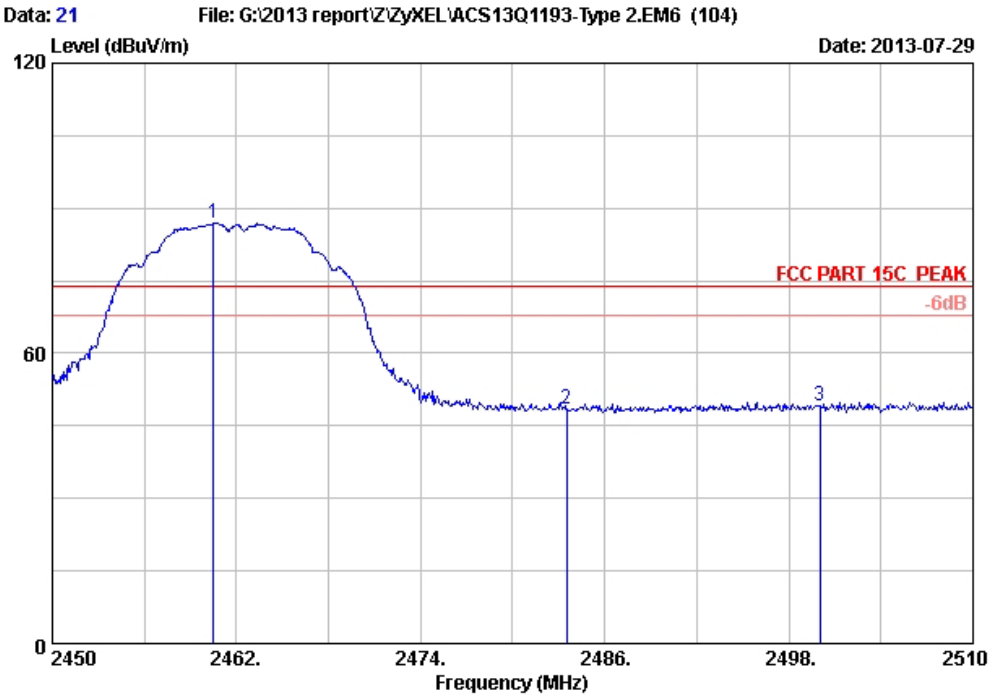
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 20
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2461.100 | 28.05 | 6.12 | 34.44 | 98.80 | 98.53 | 54.00 | -44.53 | Average |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 41.10 | 40.88 | 54.00 | 13.12 | Average |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 39.75 | 39.58 | 54.00 | 14.42 | Average |

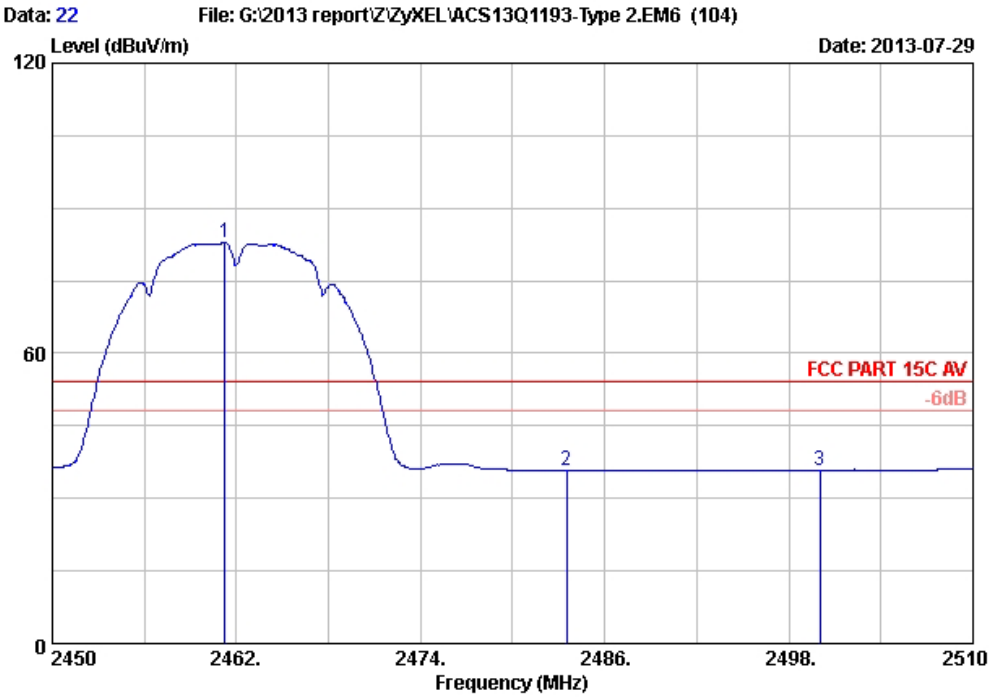
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 21
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2460.500 | 28.05 | 6.12 | 34.44 | 87.04 | 86.77 | 74.00 | -12.77 | Peak |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 48.85 | 48.63 | 74.00 | 25.37 | Peak |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 49.27 | 49.10 | 74.00 | 24.90 | Peak |

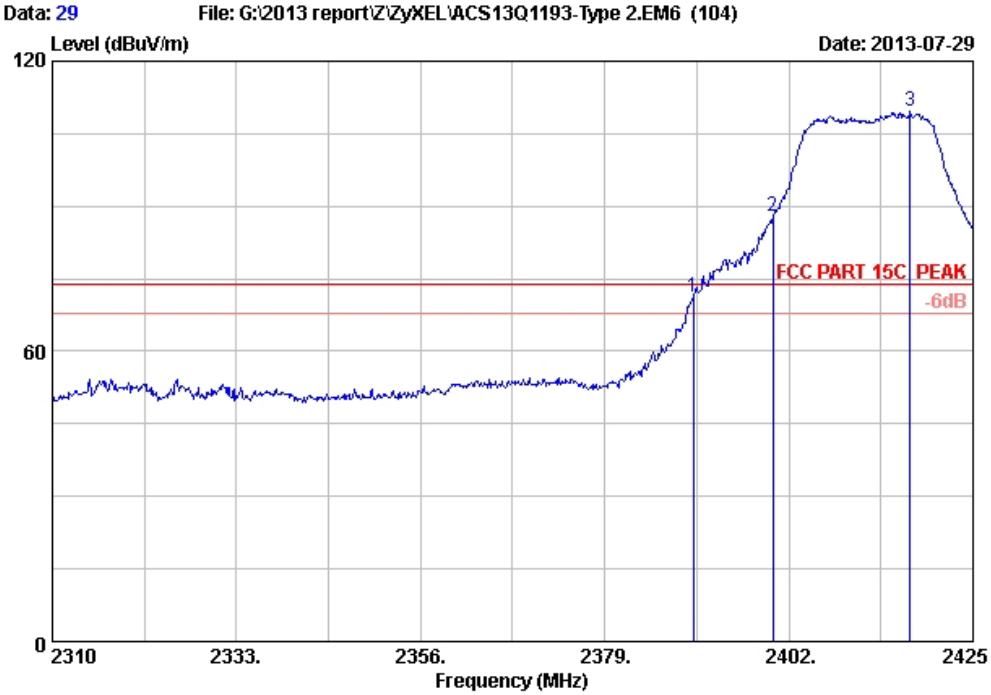
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 22
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2461.220 | 28.05 | 6.12 | 34.44 | 83.25 | 82.98 | 54.00 | -28.98 | Average |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 35.96 | 35.74 | 54.00 | 18.26 | Average |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 36.01 | 35.84 | 54.00 | 18.16 | Average |

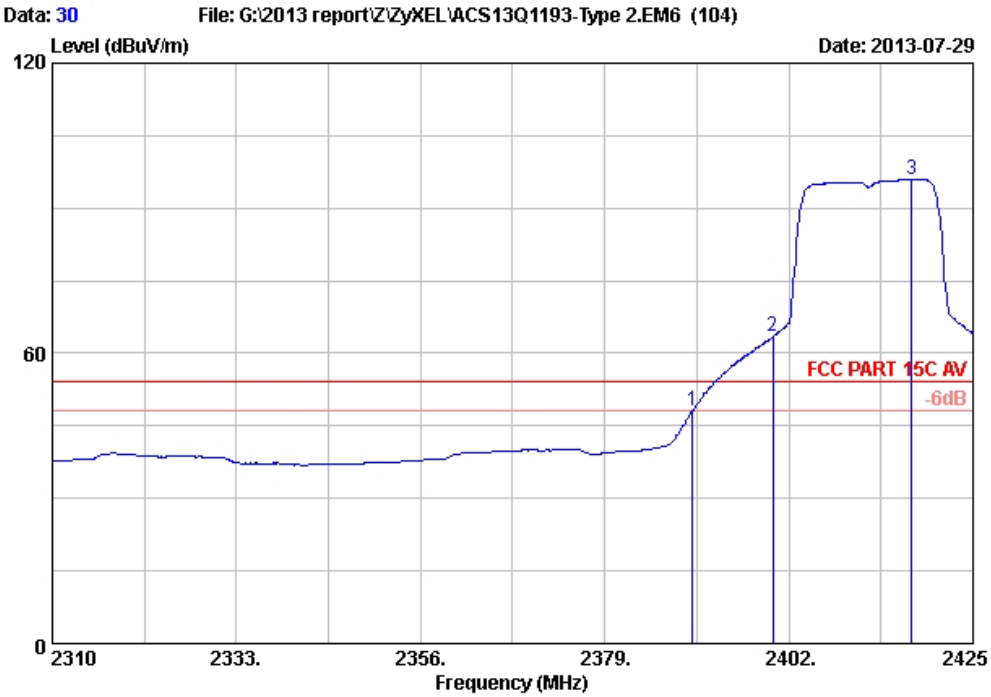
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 29
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.040 | 27.96 | 6.01 | 34.44 | 71.54 | 71.07 | 74.00 | 2.93 | Peak |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 88.36 | 87.89 | 74.00 | -13.89 | Peak |
| 3 | 2417.180 | 27.98 | 6.03 | 34.44 | 110.05 | 109.62 | 74.00 | -35.62 | Peak |

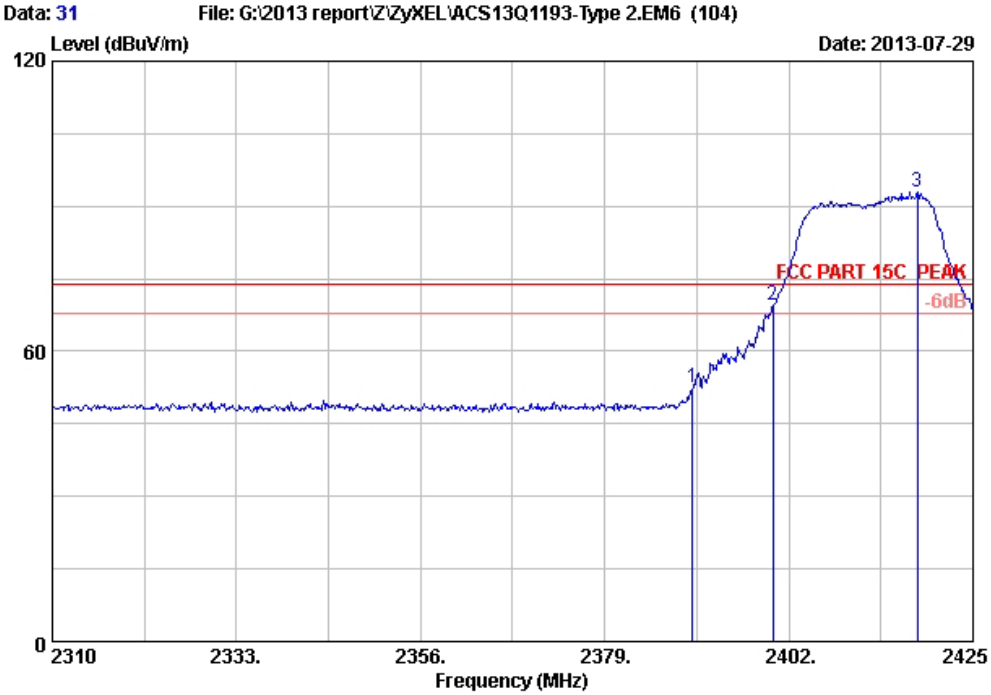
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 48.74 | 48.27 | 54.00 | 5.73 | Average |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 64.06 | 63.59 | 54.00 | -9.59 | Average |
| 3 | 2417.295 | 27.98 | 6.03 | 34.44 | 96.40 | 95.97 | 54.00 | -41.97 | Average |

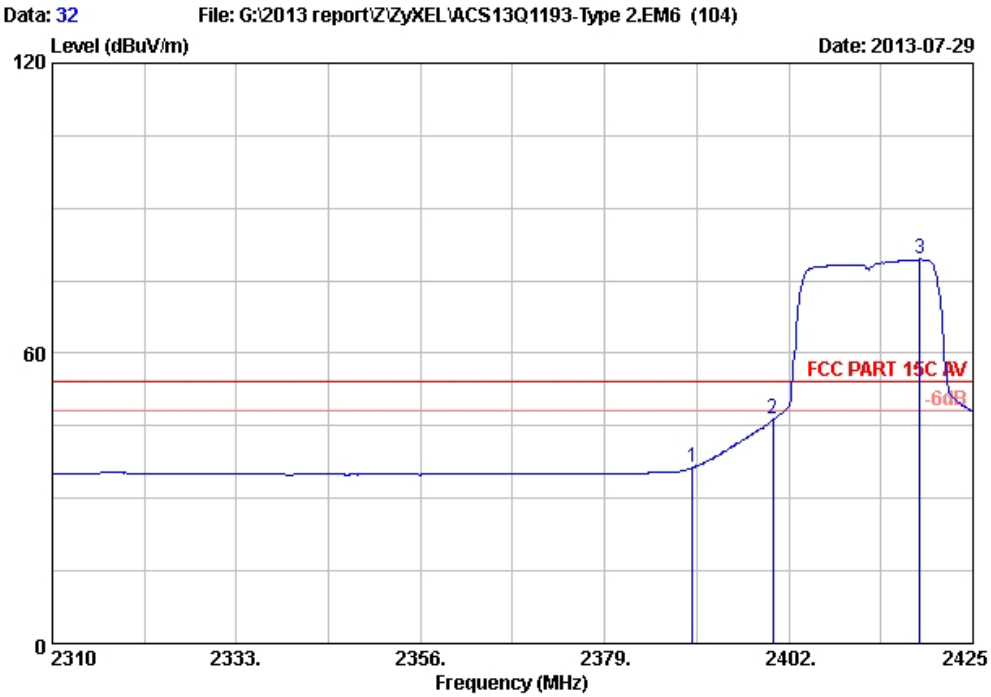
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 31
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 53.03 | 52.56 | 74.00 | 21.44 | Peak |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 70.09 | 69.62 | 74.00 | 4.38 | Peak |
| 3 | 2418.100 | 27.98 | 6.03 | 34.44 | 93.24 | 92.81 | 74.00 | -18.81 | Peak |

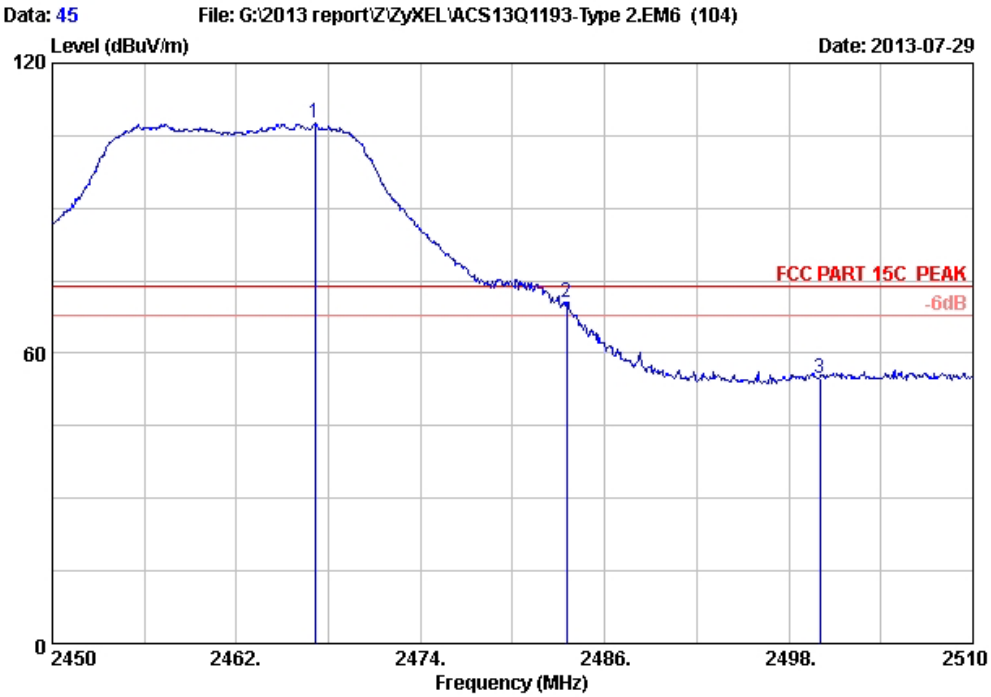
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 32
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 36.82 | 36.35 | 54.00 | 17.65 | Average |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 46.80 | 46.33 | 54.00 | 7.67 | Average |
| 3 | 2418.330 | 27.98 | 6.03 | 34.44 | 79.84 | 79.41 | 54.00 | -25.41 | Average |

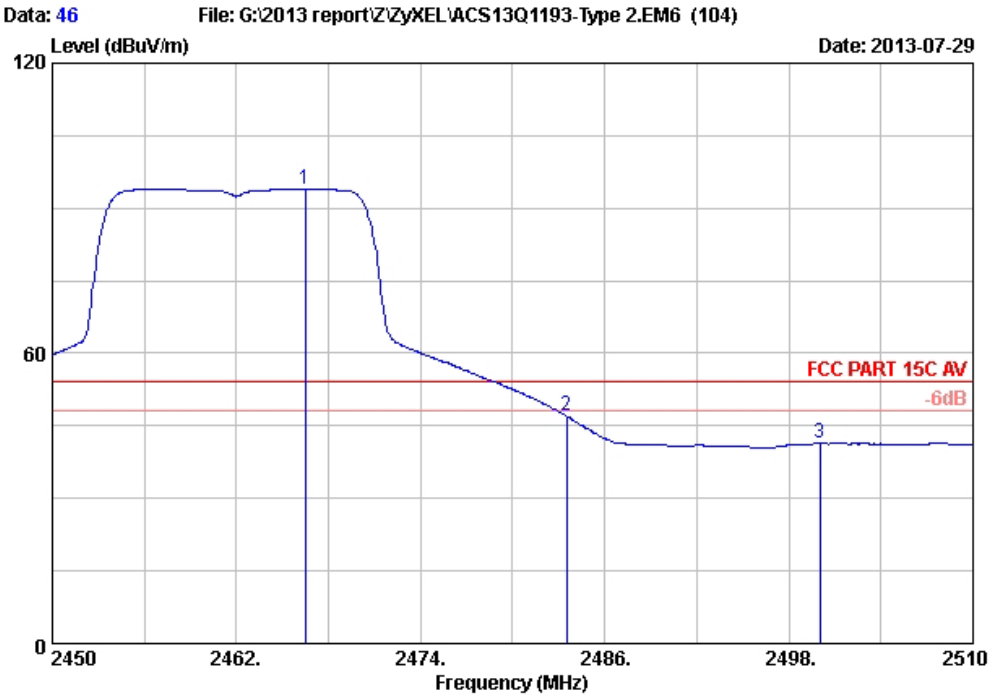
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2467.100 | 28.05 | 6.12 | 34.45 | 107.96 | 107.68 | 74.00 | -33.68 | Peak |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 70.90 | 70.68 | 74.00 | 3.32 | Peak |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 55.06 | 54.89 | 74.00 | 19.11 | Peak |

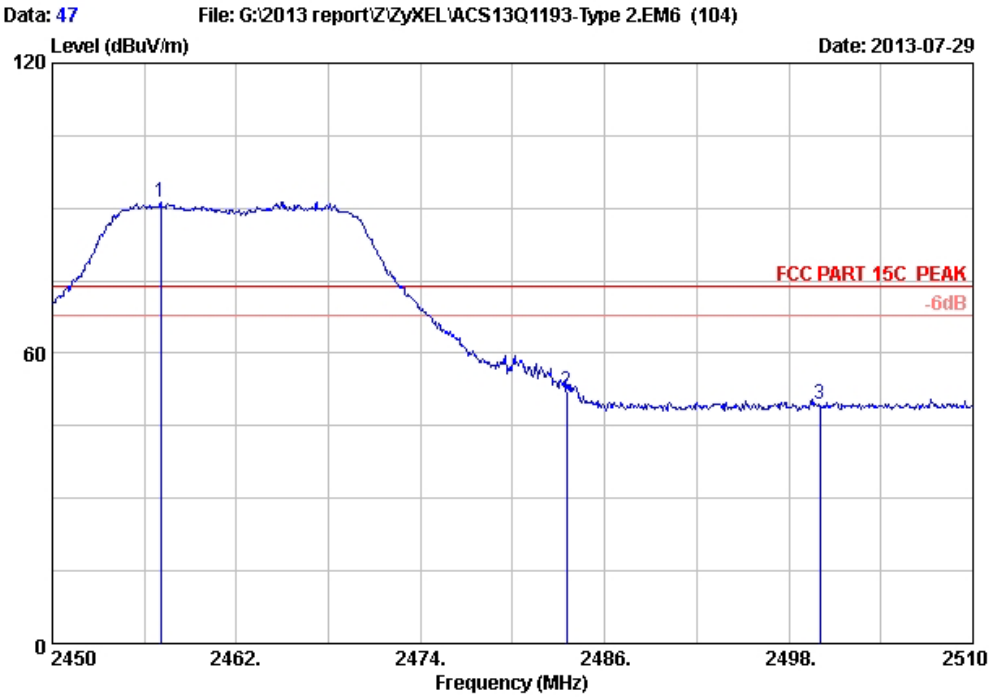
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2466.500 | 28.05 | 6.12 | 34.45 | 94.26 | 93.98 | 54.00 | -39.98 | Average |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 47.24 | 47.02 | 54.00 | 6.98 | Average |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 41.54 | 41.37 | 54.00 | 12.63 | Average |

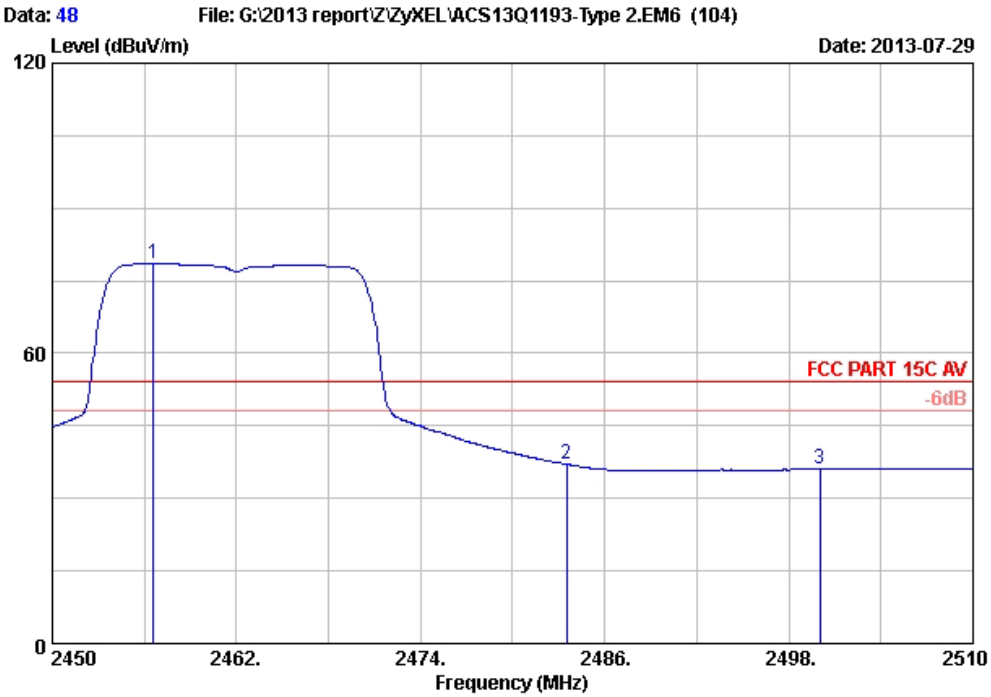
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2457.080 | 28.05 | 6.12 | 34.44 | 91.49 | 91.22 | 74.00 | -17.22 | Peak |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 52.42 | 52.20 | 74.00 | 21.80 | Peak |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 49.65 | 49.48 | 74.00 | 24.52 | Peak |

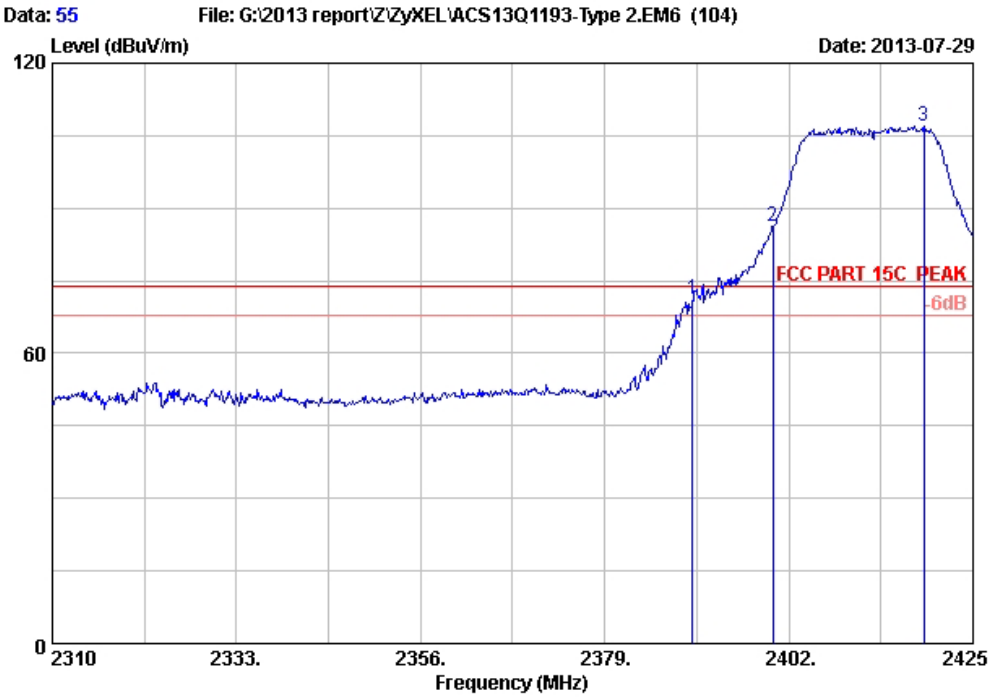
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2456.600 | 28.05 | 6.12 | 34.44 | 78.83 | 78.56 | 54.00 | -24.56 | Average |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 37.24 | 37.02 | 54.00 | 16.98 | Average |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 36.23 | 36.06 | 54.00 | 17.94 | Average |

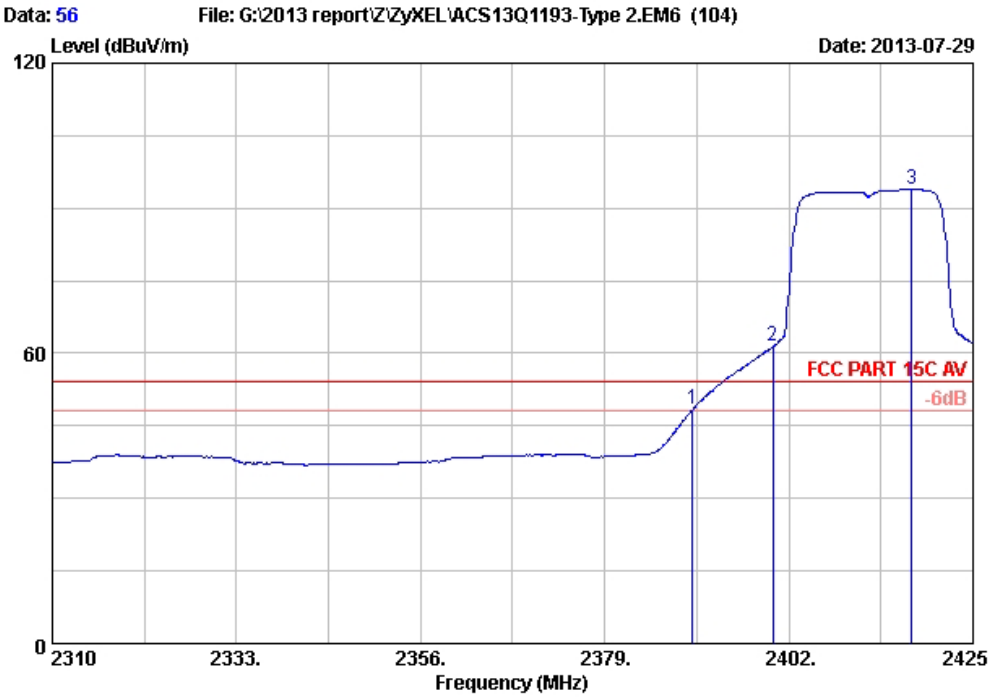
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 71.83 | 71.36 | 74.00 | 2.64 | Peak |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 86.71 | 86.24 | 74.00 | -12.24 | Peak |
| 3 | 2418.905 | 27.98 | 6.03 | 34.44 | 107.50 | 107.07 | 74.00 | -33.07 | Peak |

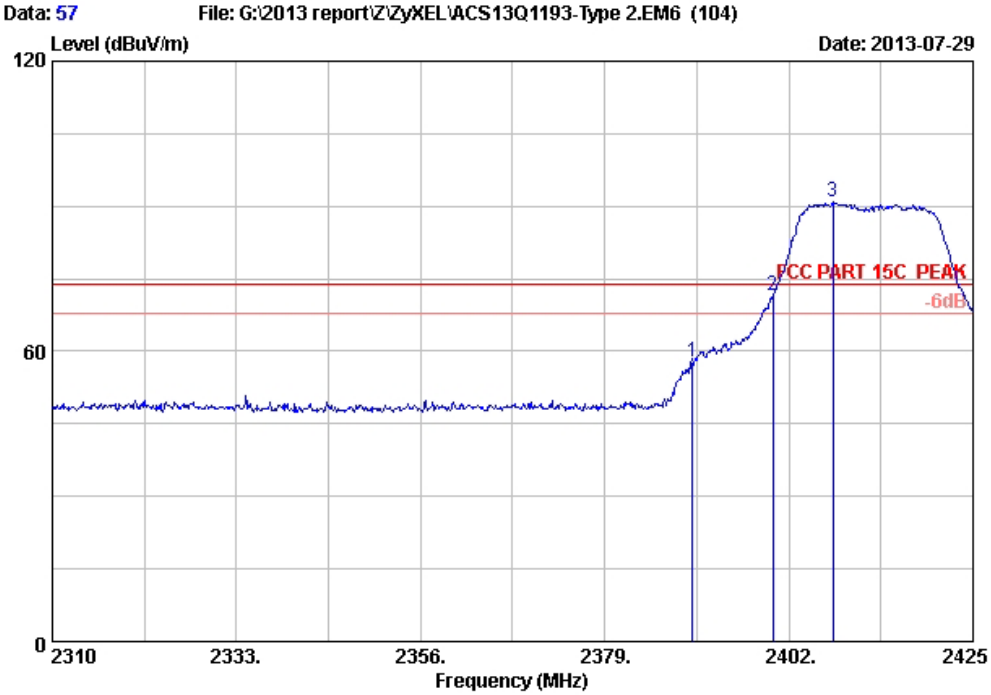
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 48.93 | 48.46 | 54.00 | 5.54 | Average |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 61.98 | 61.51 | 54.00 | -7.51 | Average |
| 3 | 2417.295 | 27.98 | 6.03 | 34.44 | 94.30 | 93.87 | 54.00 | -39.87 | Average |

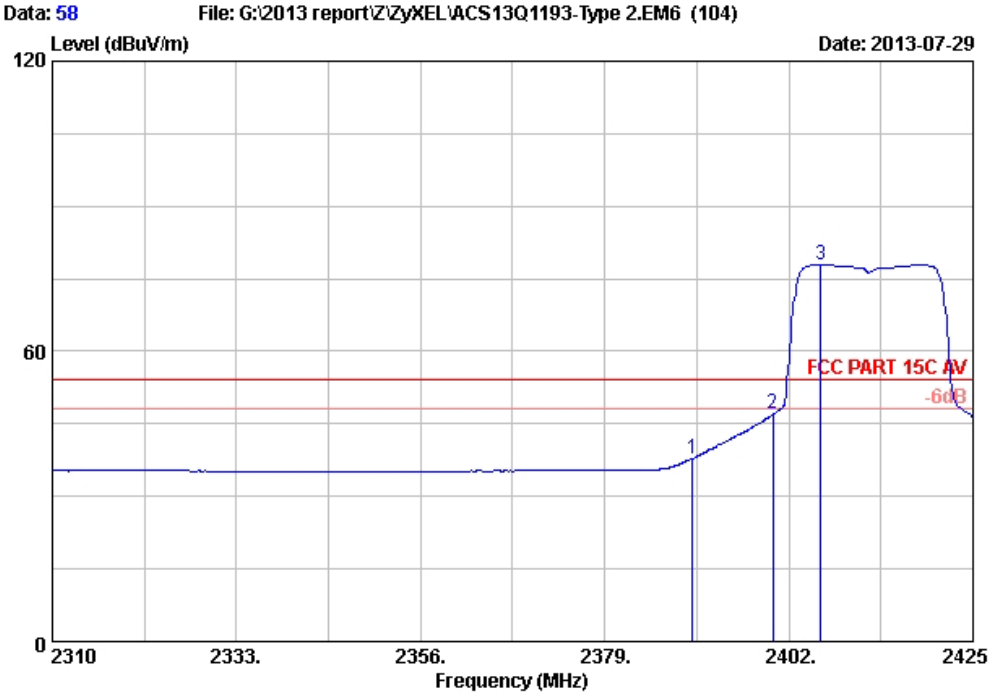
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 57
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 58.24 | 57.77 | 74.00 | 16.23 | Peak |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 71.99 | 71.52 | 74.00 | 2.48 | Peak |
| 3 | 2407.520 | 27.98 | 6.03 | 34.44 | 91.25 | 90.82 | 74.00 | -16.82 | Peak |

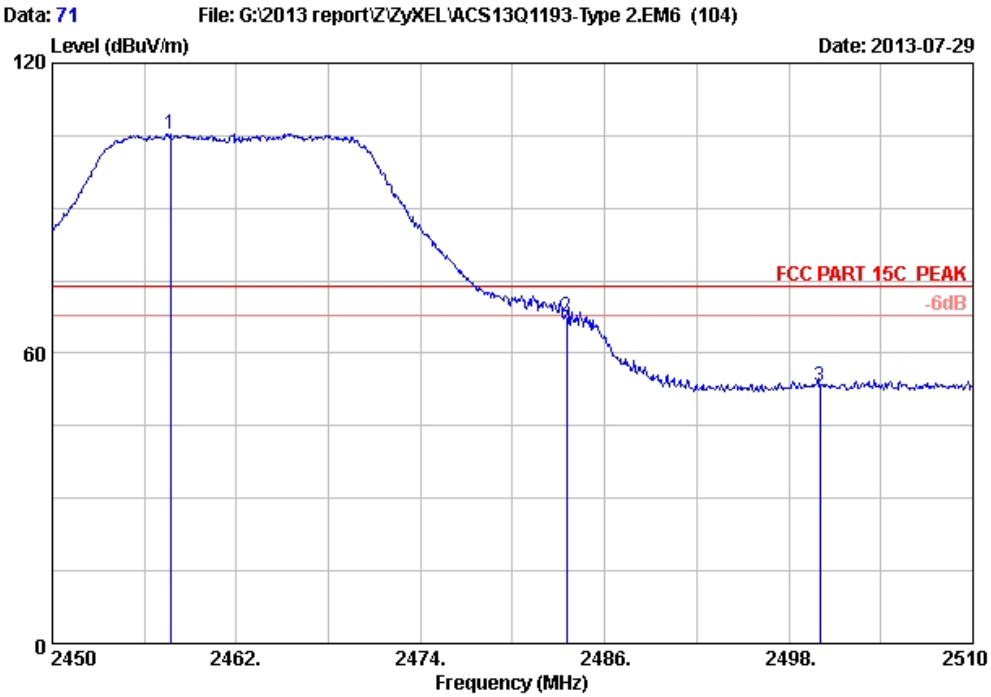
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 58
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH1 2412MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 38.33 | 37.86 | 54.00 | 16.14 | Average |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 47.44 | 46.97 | 54.00 | 7.03 | Average |
| 3 | 2406.025 | 27.98 | 6.03 | 34.44 | 78.39 | 77.96 | 54.00 | -23.96 | Average |

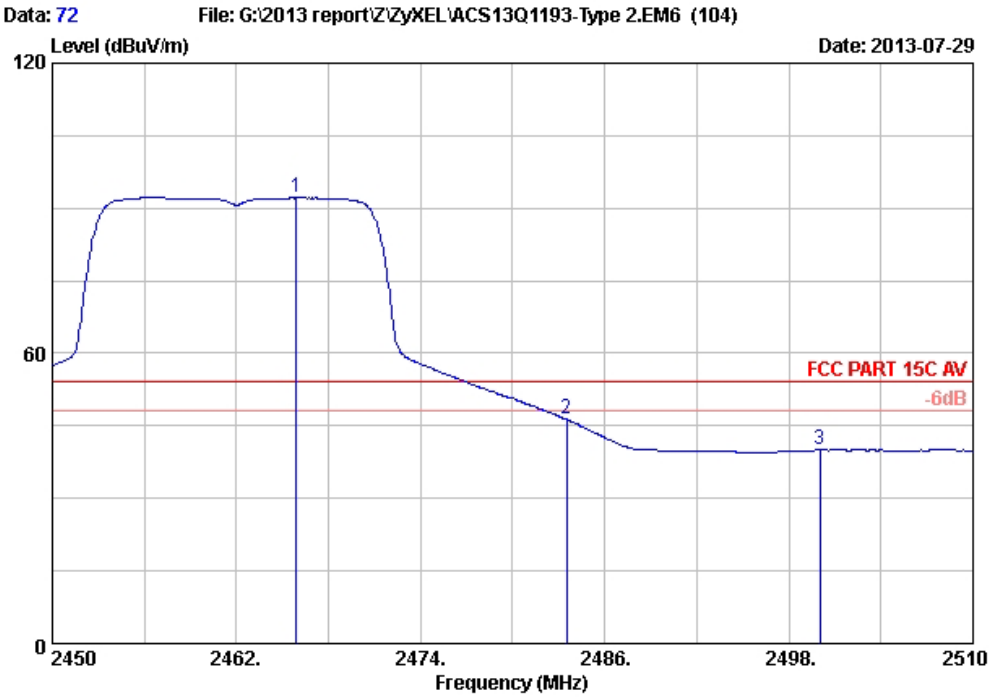
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 71
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2457.680 | 28.05 | 6.12 | 34.44 | 105.63 | 105.36 | 74.00 | -31.36 | Peak |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 67.68 | 67.46 | 74.00 | 6.54 | Peak |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 53.21 | 53.04 | 74.00 | 20.96 | Peak |

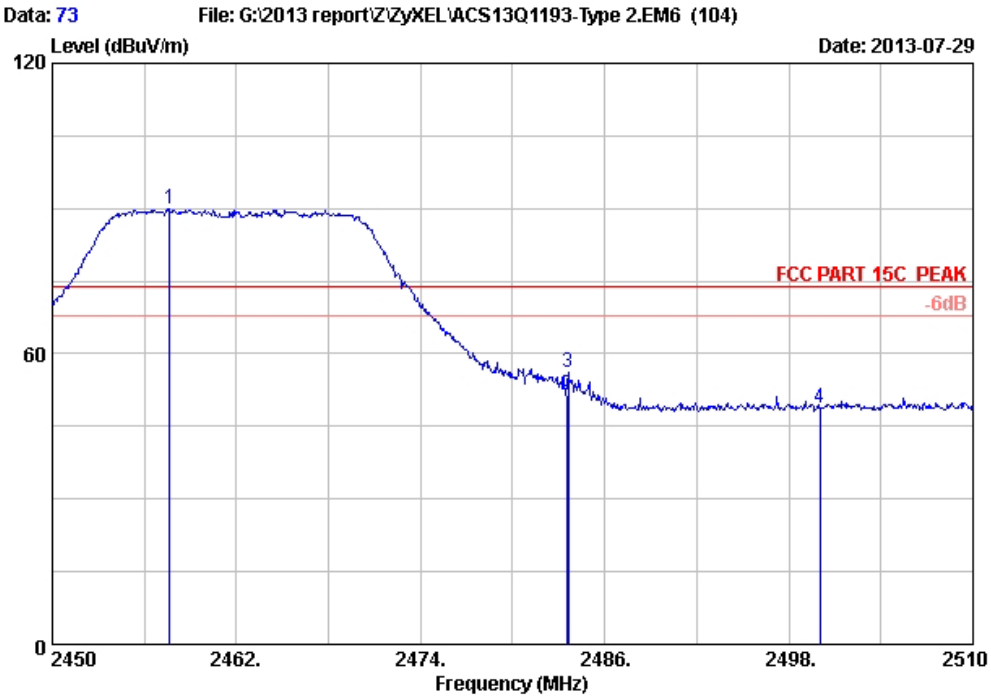
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2465.900 | 28.05 | 6.12 | 34.45 | 92.47 | 92.19 | 54.00 | -38.19 | Average |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 46.66 | 46.44 | 54.00 | 7.56 | Average |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 40.20 | 40.03 | 54.00 | 13.97 | Average |

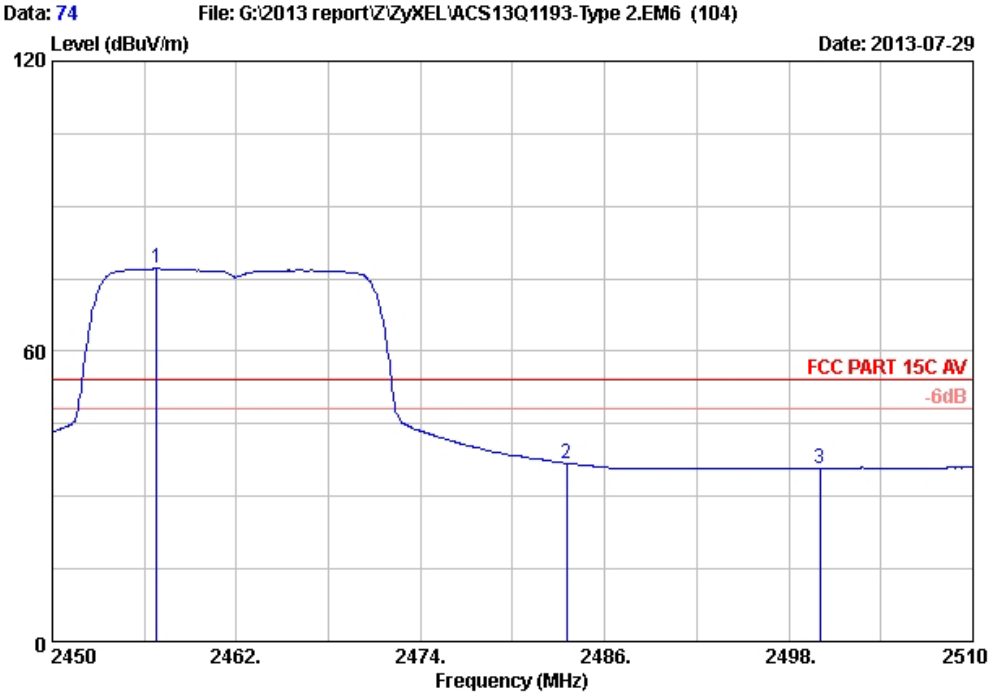
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 73
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2457.620 | 28.05 | 6.12 | 34.44 | 90.14 | 89.87 | 74.00 | -15.87 | Peak |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 51.73 | 51.51 | 74.00 | 22.49 | Peak |
| 3 | 2483.600 | 28.08 | 6.15 | 34.45 | 56.29 | 56.07 | 74.00 | 17.93 | Peak |
| 4 | 2500.000 | 28.10 | 6.18 | 34.45 | 48.99 | 48.82 | 74.00 | 25.18 | Peak |

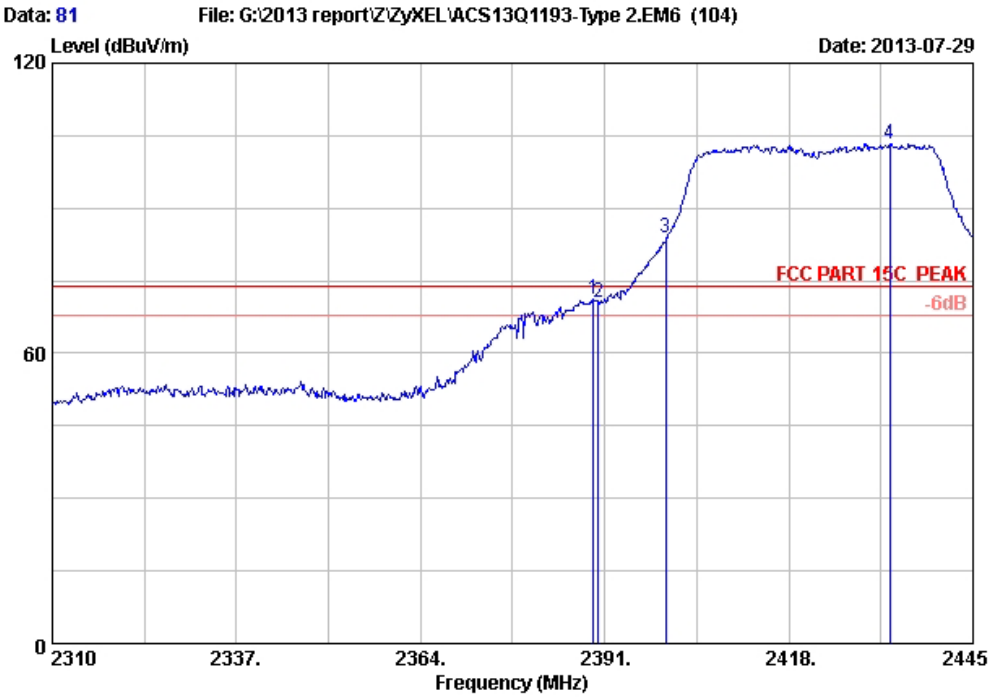
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 74
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT20 CH11 2462MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2456.780 | 28.05 | 6.12 | 34.44 | 77.36 | 77.09 | 54.00 | -23.09 | Average |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 37.09 | 36.87 | 54.00 | 17.13 | Average |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 36.02 | 35.85 | 54.00 | 18.15 | Average |

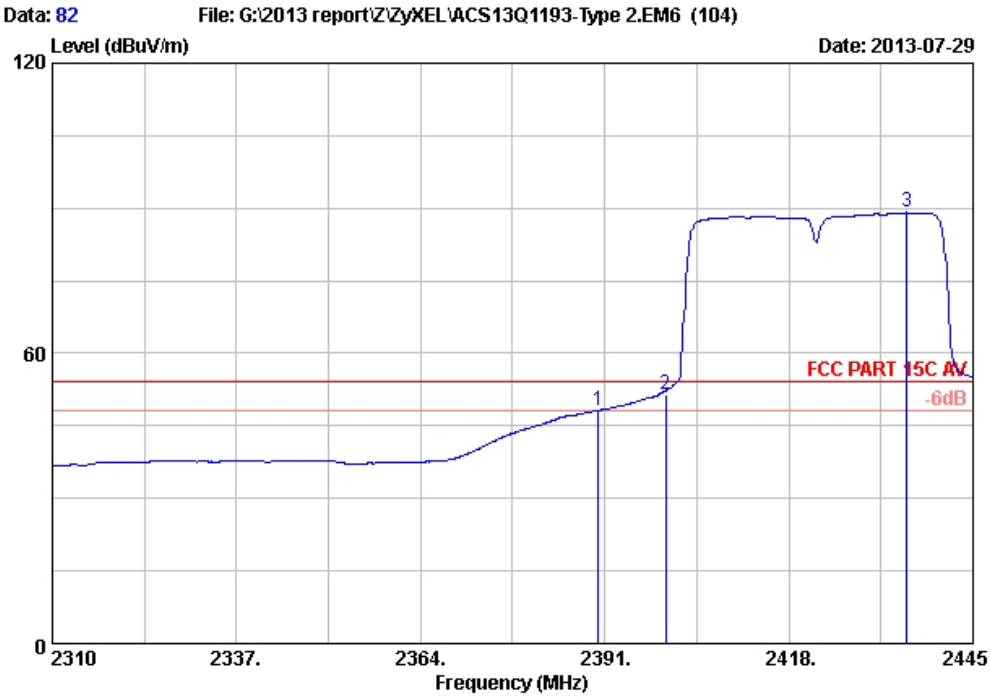
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 81
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2389.380 | 27.96 | 6.01 | 34.44 | 71.50 | 71.03 | 74.00 | 2.97 | Peak |
| 2 | 2390.000 | 27.96 | 6.01 | 34.44 | 71.09 | 70.62 | 74.00 | 3.38 | Peak |
| 3 | 2400.000 | 27.96 | 6.01 | 34.44 | 84.21 | 83.74 | 74.00 | -9.74 | Peak |
| 4 | 2432.850 | 28.00 | 6.06 | 34.44 | 103.61 | 103.23 | 74.00 | -29.23 | Peak |

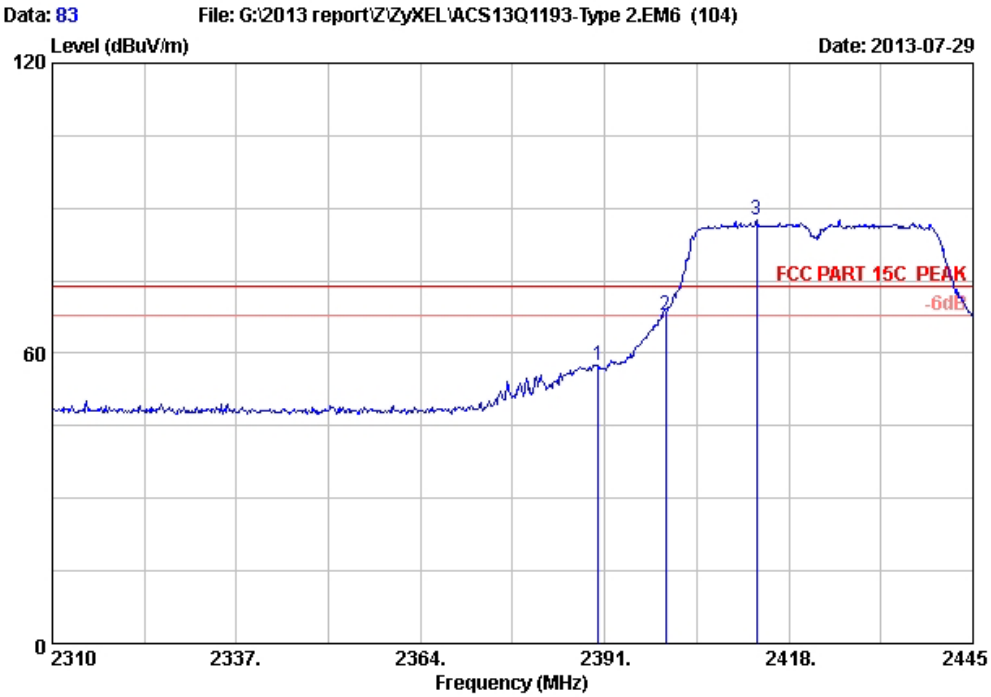
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 82
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 48.64 | 48.17 | 54.00 | 5.83 | Average |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 51.80 | 51.33 | 54.00 | 2.67 | Average |
| 3 | 2435.280 | 28.00 | 6.06 | 34.44 | 89.46 | 89.08 | 54.00 | -35.08 | Average |

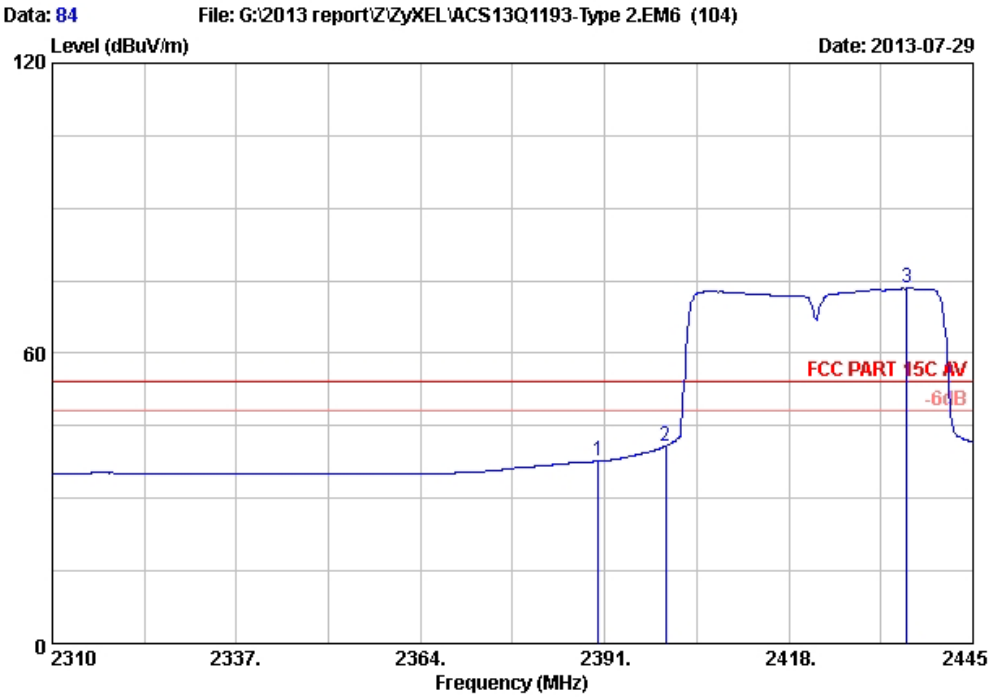
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 83
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 57.99 | 57.52 | 74.00 | 16.48 | Peak |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 68.36 | 67.89 | 74.00 | 6.11 | Peak |
| 3 | 2413.275 | 27.98 | 6.03 | 34.44 | 88.12 | 87.69 | 74.00 | -13.69 | Peak |

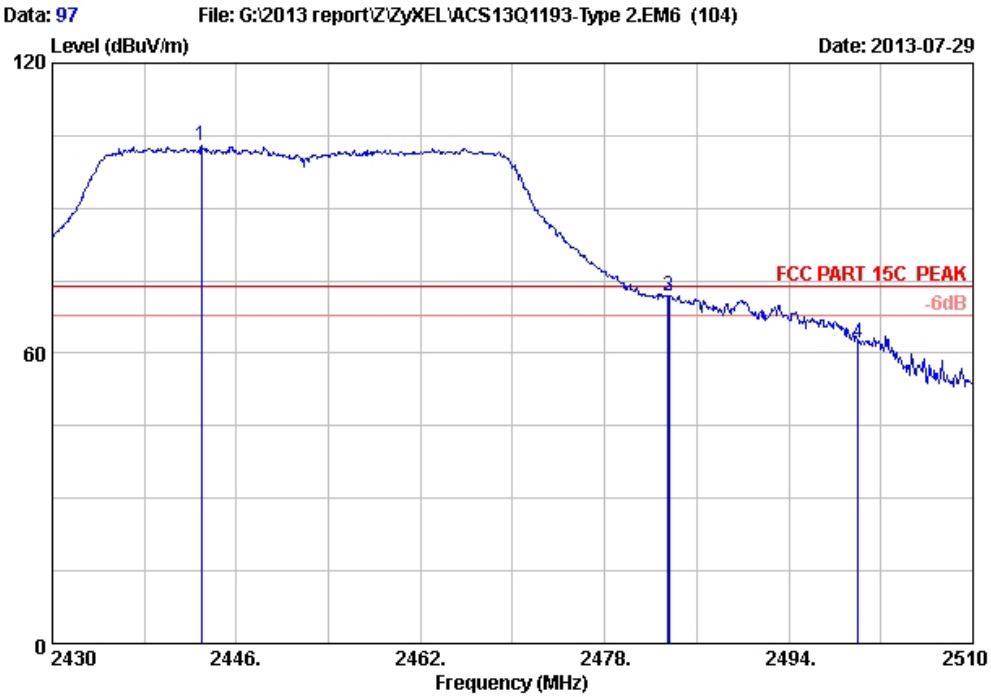
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 84
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH1 2422MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2390.000 | 27.96 | 6.01 | 34.44 | 38.14 | 37.67 | 54.00 | 16.33 | Average |
| 2 | 2400.000 | 27.96 | 6.01 | 34.44 | 41.33 | 40.86 | 54.00 | 13.14 | Average |
| 3 | 2435.280 | 28.00 | 6.06 | 34.44 | 73.78 | 73.40 | 54.00 | -19.40 | Average |

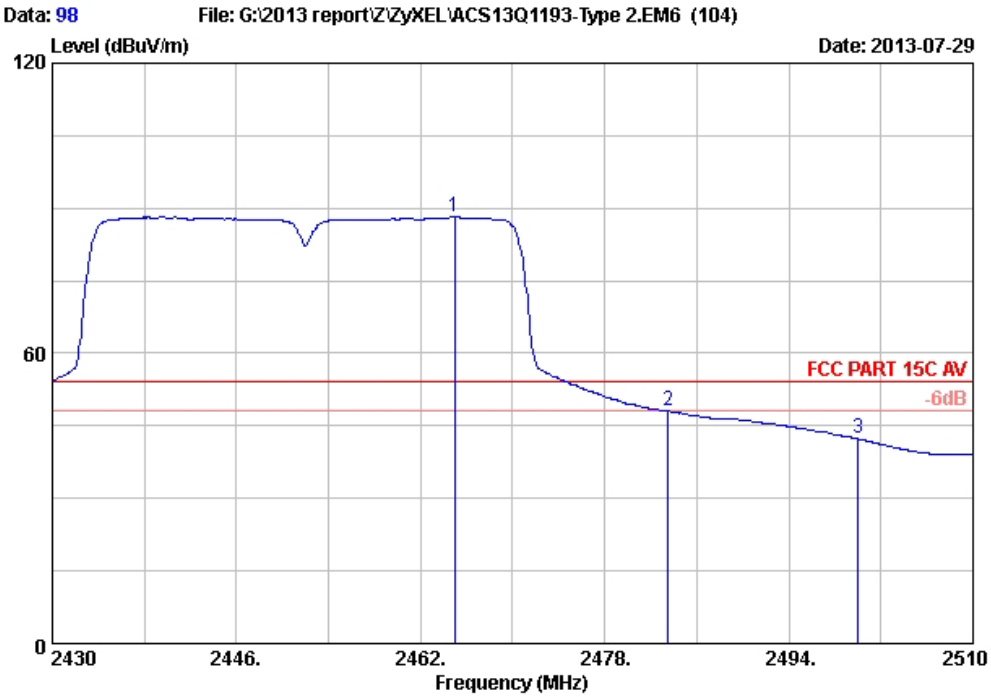
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 97
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2442.960 | 28.03 | 6.09 | 34.44 | 103.33 | 103.01 | 74.00 | -29.01 | Peak |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 72.04 | 71.82 | 74.00 | 2.18 | Peak |
| 3 | 2483.600 | 28.08 | 6.15 | 34.45 | 72.19 | 71.97 | 74.00 | 2.03 | Peak |
| 4 | 2500.000 | 28.10 | 6.18 | 34.45 | 62.47 | 62.30 | 74.00 | 11.70 | Peak |

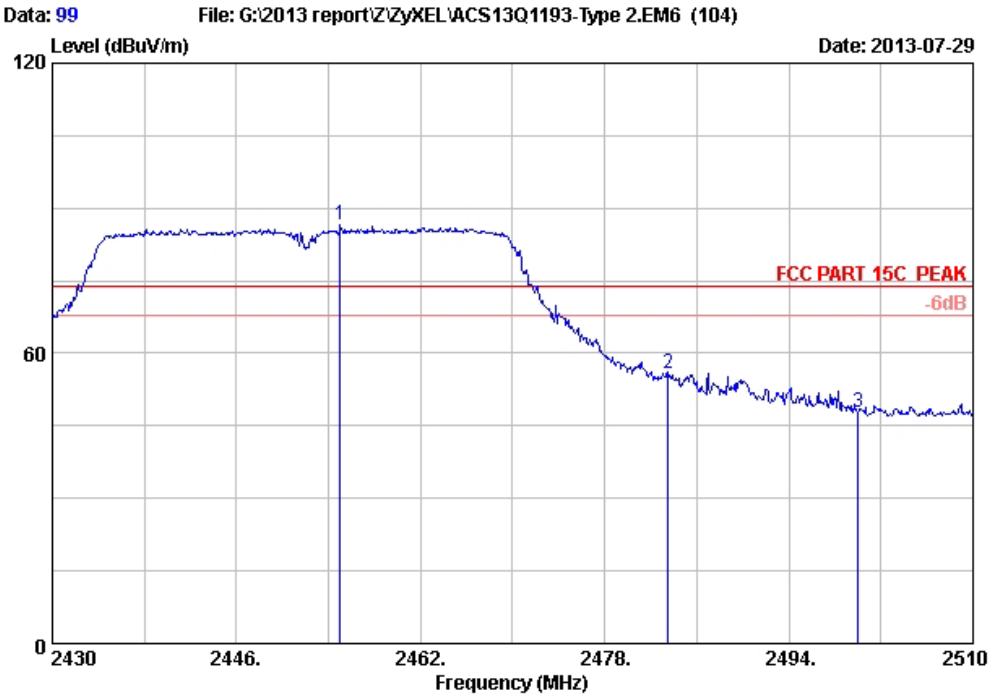
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 98
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2464.960 | 28.05 | 6.12 | 34.45 | 88.43 | 88.15 | 54.00 | -34.15 | Average |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 48.24 | 48.02 | 54.00 | 5.98 | Average |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 42.51 | 42.34 | 54.00 | 11.66 | Average |

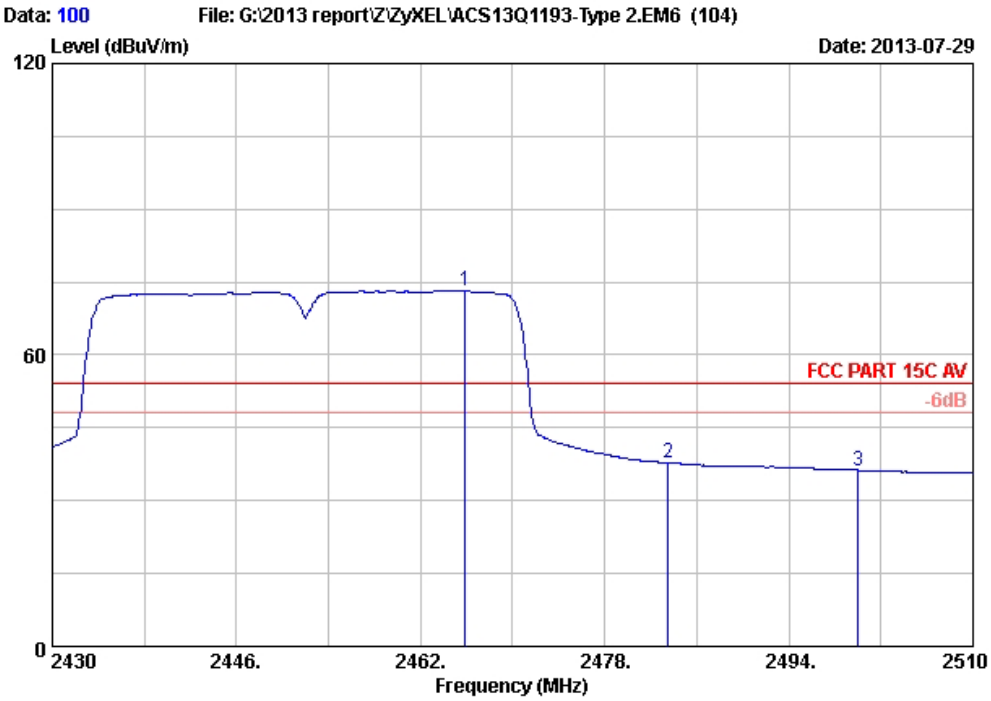
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 99
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2455.040 | 28.05 | 6.09 | 34.44 | 86.72 | 86.42 | 74.00 | -12.42 | Peak |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 56.10 | 55.88 | 74.00 | 18.12 | Peak |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 47.84 | 47.67 | 74.00 | 26.33 | Peak |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




Site no. : 3m Chamber Data no. : 100
Dis. / Ant. : 3m 2011 3115 4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Leo-Li
EUT : Wireless N ADSL2+ 4-port Gateway
Power supply : DC 9V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11nHT40 CH7 2452MHz Tx Mode
M/N : AMG1302-T10B
: Type 2

| | Freq. (MHz) | Ant. Factor (dB/m) | Cable loss (dB) | Amp. Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2465.840 | 28.05 | 6.12 | 34.45 | 73.46 | 73.18 | 54.00 | -19.18 | Average |
| 2 | 2483.500 | 28.08 | 6.15 | 34.45 | 37.98 | 37.76 | 54.00 | 16.24 | Average |
| 3 | 2500.000 | 28.10 | 6.18 | 34.45 | 36.43 | 36.26 | 54.00 | 17.74 | Average |

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

# 7. 6dB Bandwidth Test

## 7.1.Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | Spectrum Analyzer | Agilent | E4446A | US44300459 | May.08, 13 | 1 Year |
| 2. | PreAmplifier | Agilent | 8449B | 3008A02495 | May.08, 13 | 1 Year |
| 3. | Horn Antenna | EMCO | 3115 | 9607-4877 | Aug.28, 12 | 1 Year |
| 4. | HF Cable | Hubersuhne | Sucoflex104 | - | May.08, 13 | 1 Year |

## 7.2.Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

## 7.3.Test Procedure

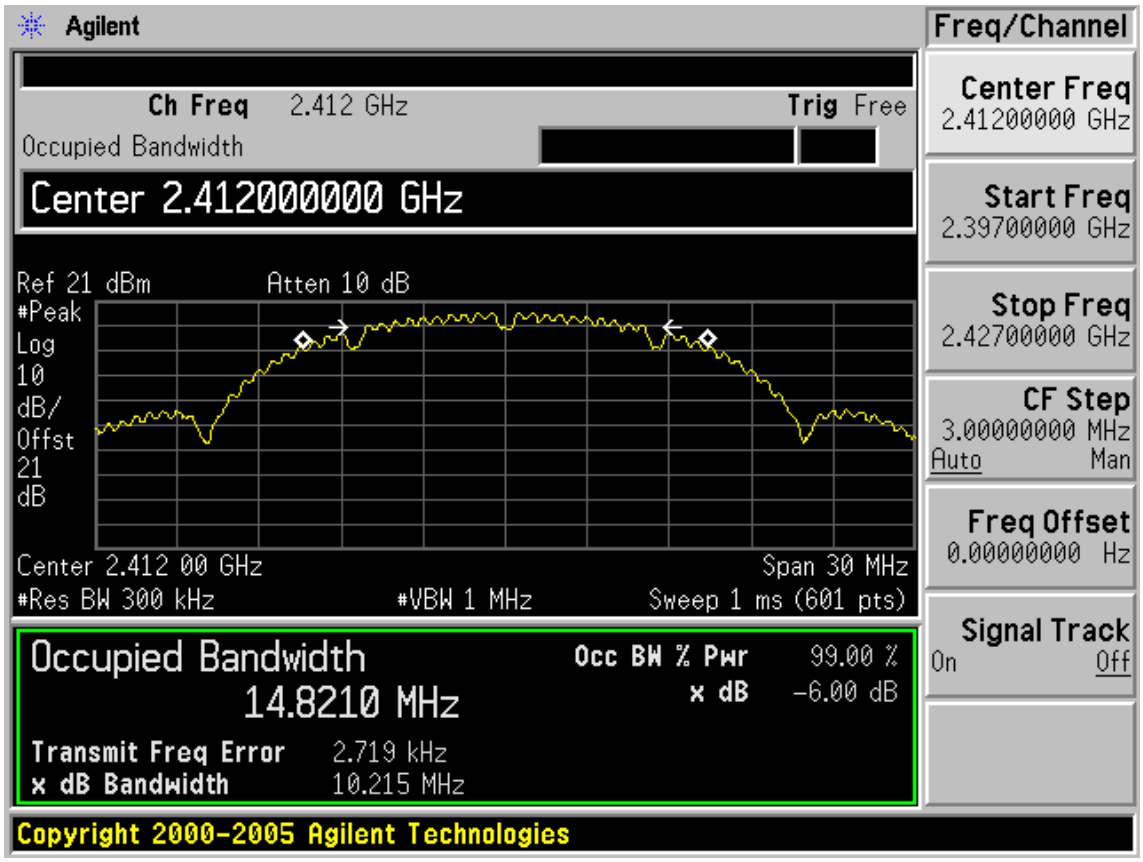
The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

## 7.4.Test Results

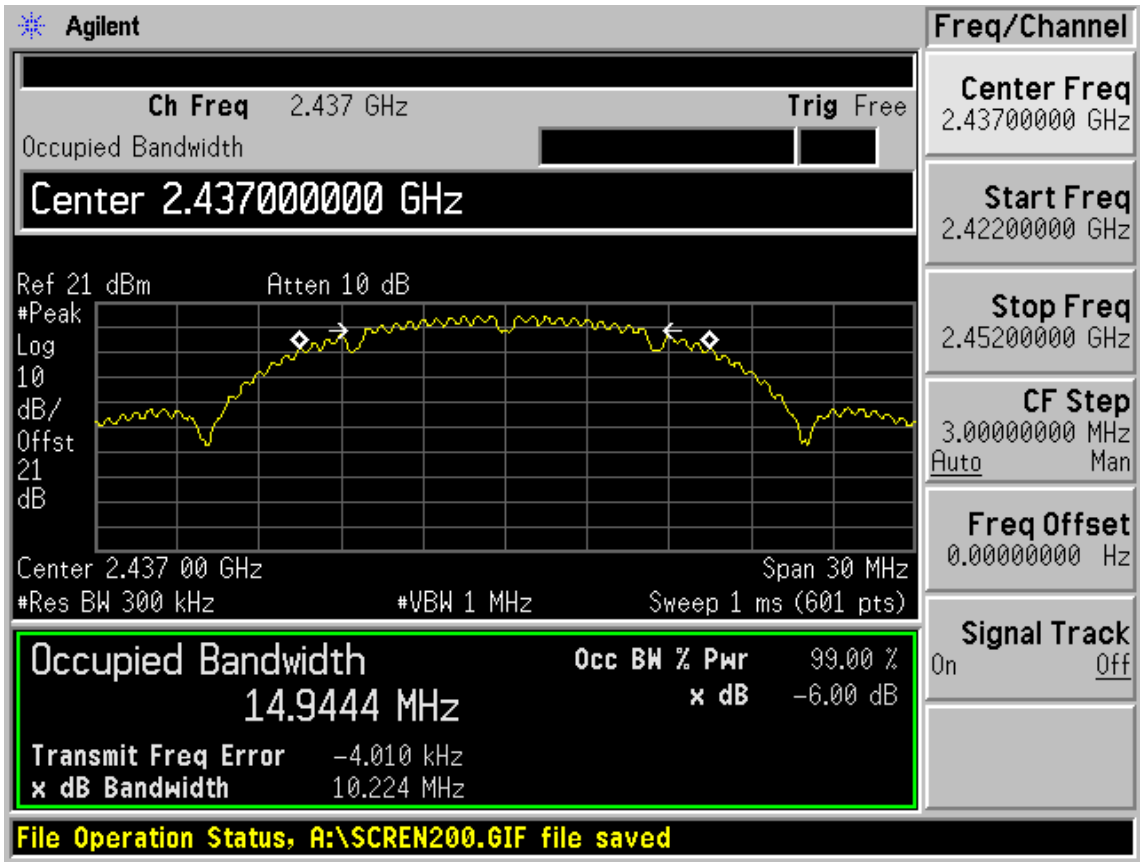
| EUT: Wireless N ADSL2+ 4-port Gateway | | |
|---|---|---|
| M/N: AMG1302-T10B | | |
| Test date: 2013-07-28 | Pressure: 101.5±1.0 kpa | Humidity: 49.2±3.0% |
| Tested by: Leo-Li | Test site: RF site | Temperature:20.7±0.6 ℃ |

| Cable loss: 1 dB | | Attenuator loss: 20 dB | | |
|---|---|---|---|---|
| Test Mode | CH | 6dB bandwidth （MHz） | | Limit (KHz) |
| | | Chain0 | Chain1 | |
| 11b | CH1 | 10.215 | 10.225 | >500 |
| | CH6 | 10.224 | 10.223 | >500 |
| | CH11 | 10.215 | 10.221 | >500 |
| 11g | CH1 | 16.430 | 16.404 | >500 |
| | CH6 | 16.429 | 16.399 | >500 |
| | CH11 | 16.426 | 16.411 | >500 |
| 11n HT20 | CH1 | 17.636 | 17.631 | >500 |
| | CH6 | 17.597 | 17.640 | >500 |
| | CH11 | 17.636 | 17.597 | >500 |
| 11n HT40 | CH1 | 36.248 | 36.114 | >500 |
| | CH4 | 36.143 | 36.139 | >500 |
| | CH7 | 36.248 | 36.130 | >500 |
| Conclusion：PASS | | | | |

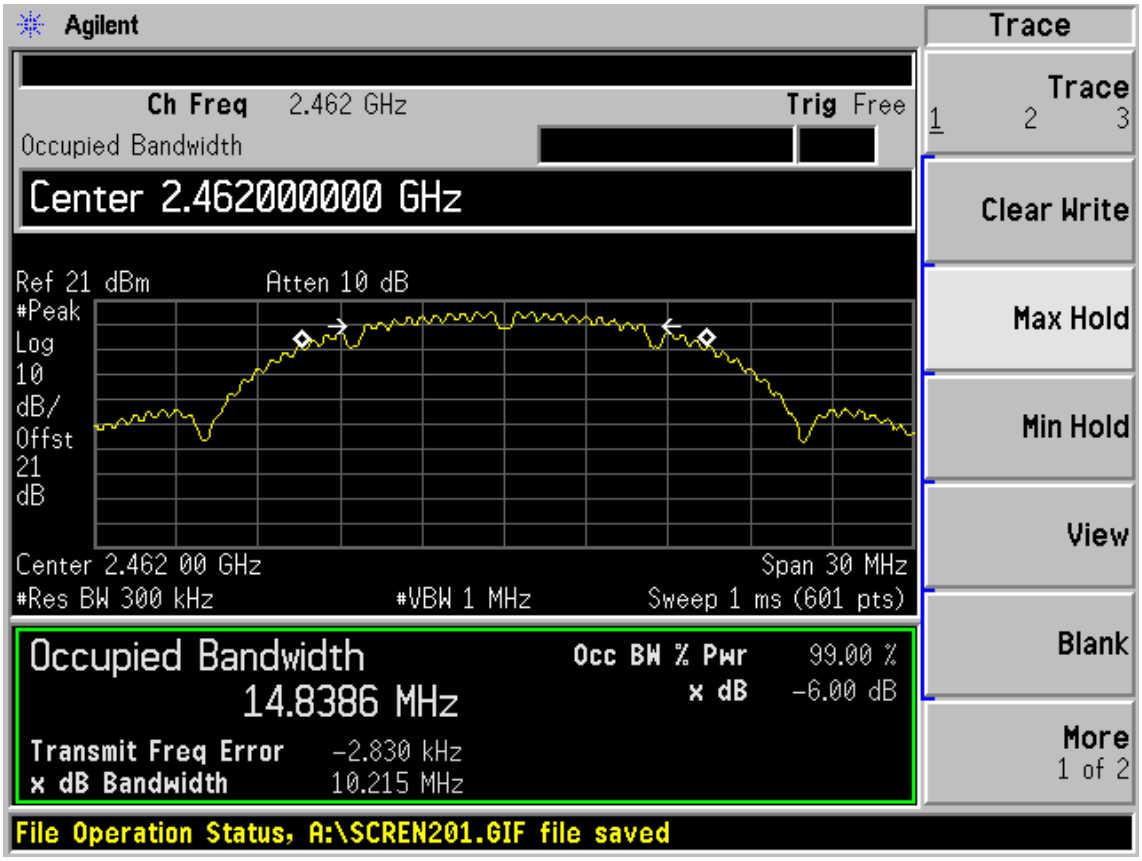
Chain 0
Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz




Test CH6: 2437MHz

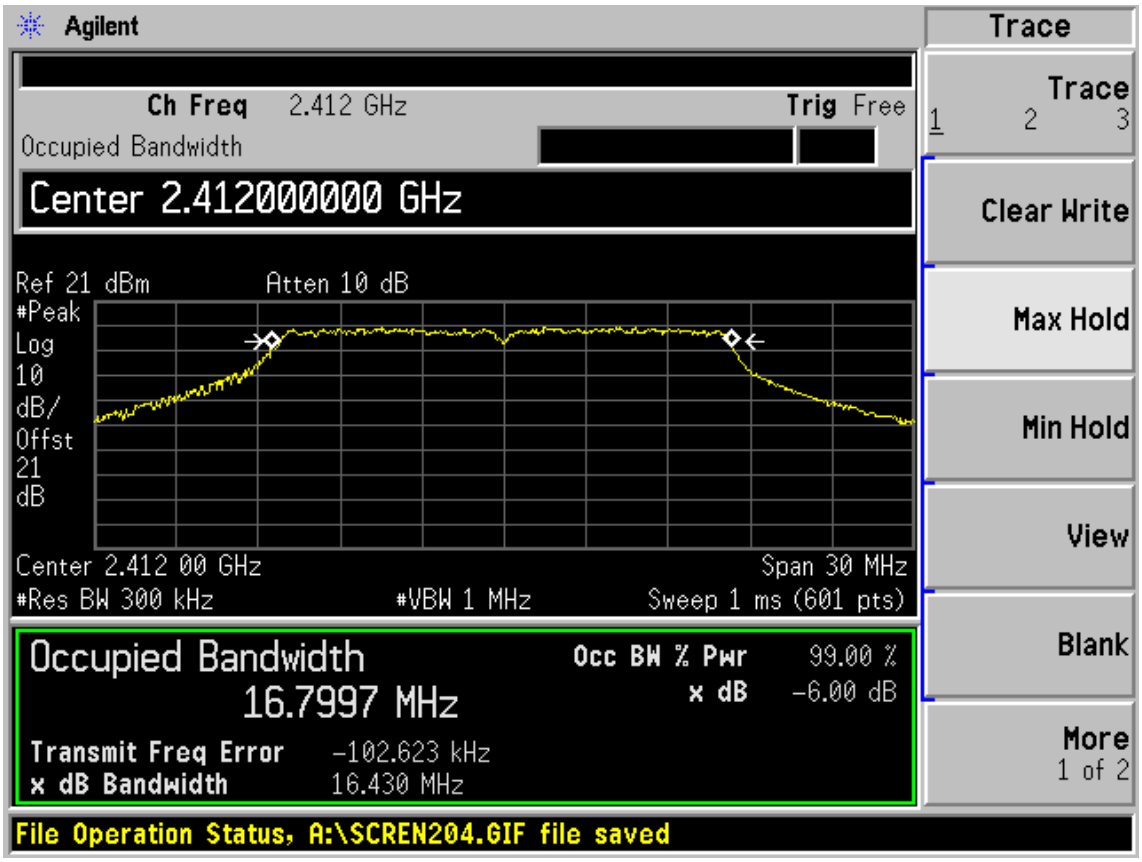


Test CH11: 2462MHz

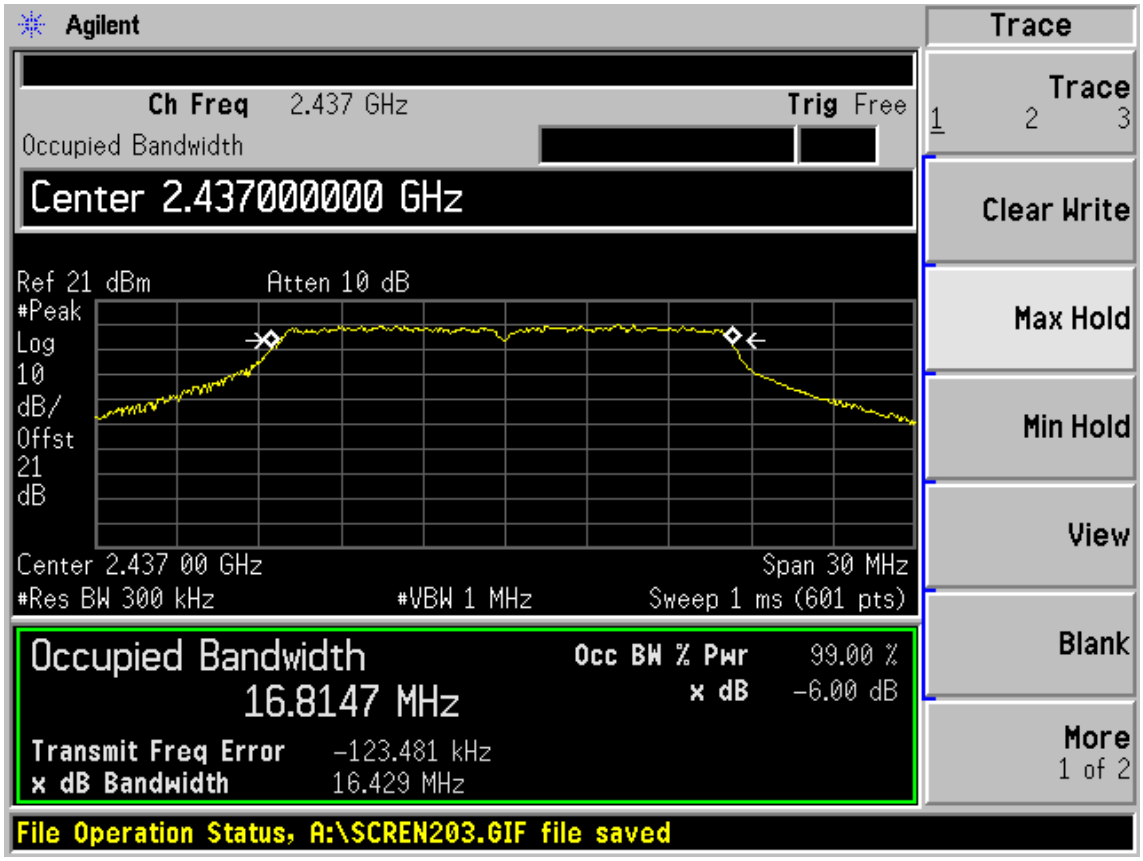



Test Mode: IEEE 802.11g TX

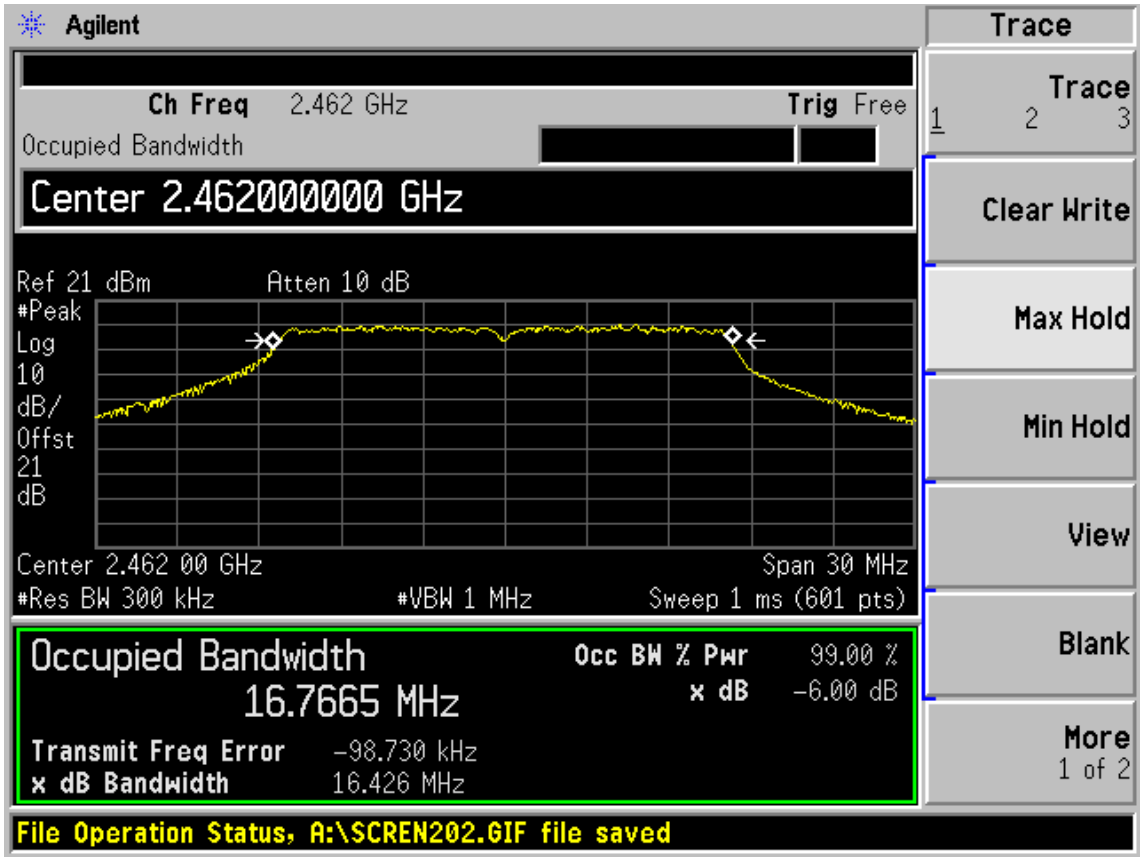
Test CH1: 2412MHz



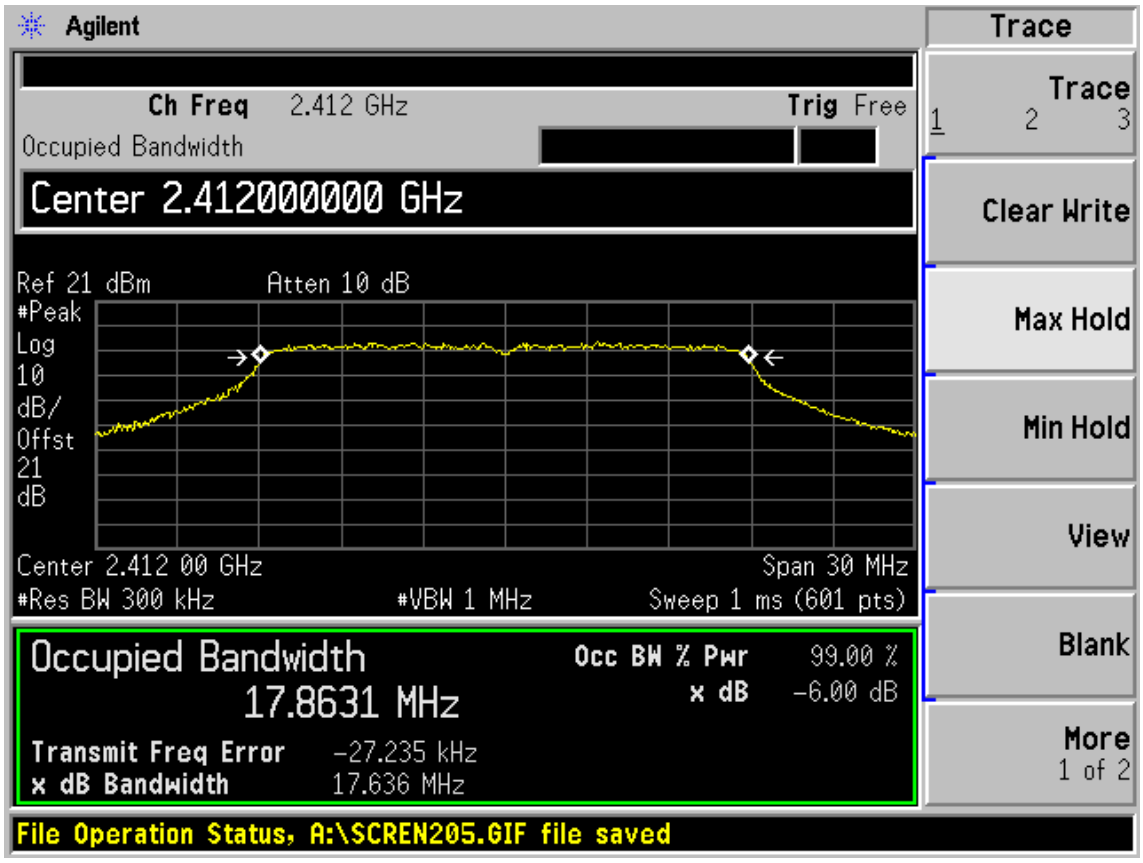
Test CH6: 2437MHz



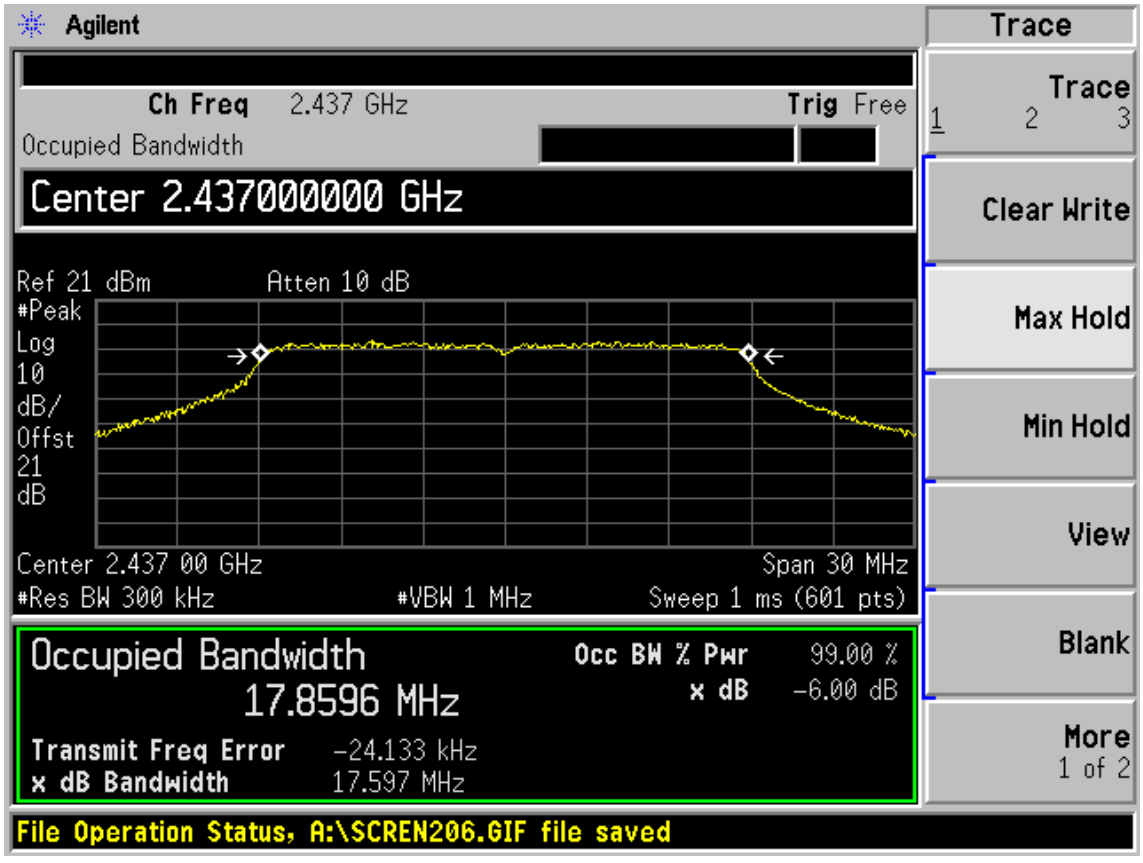

Test CH11: 2462MHz



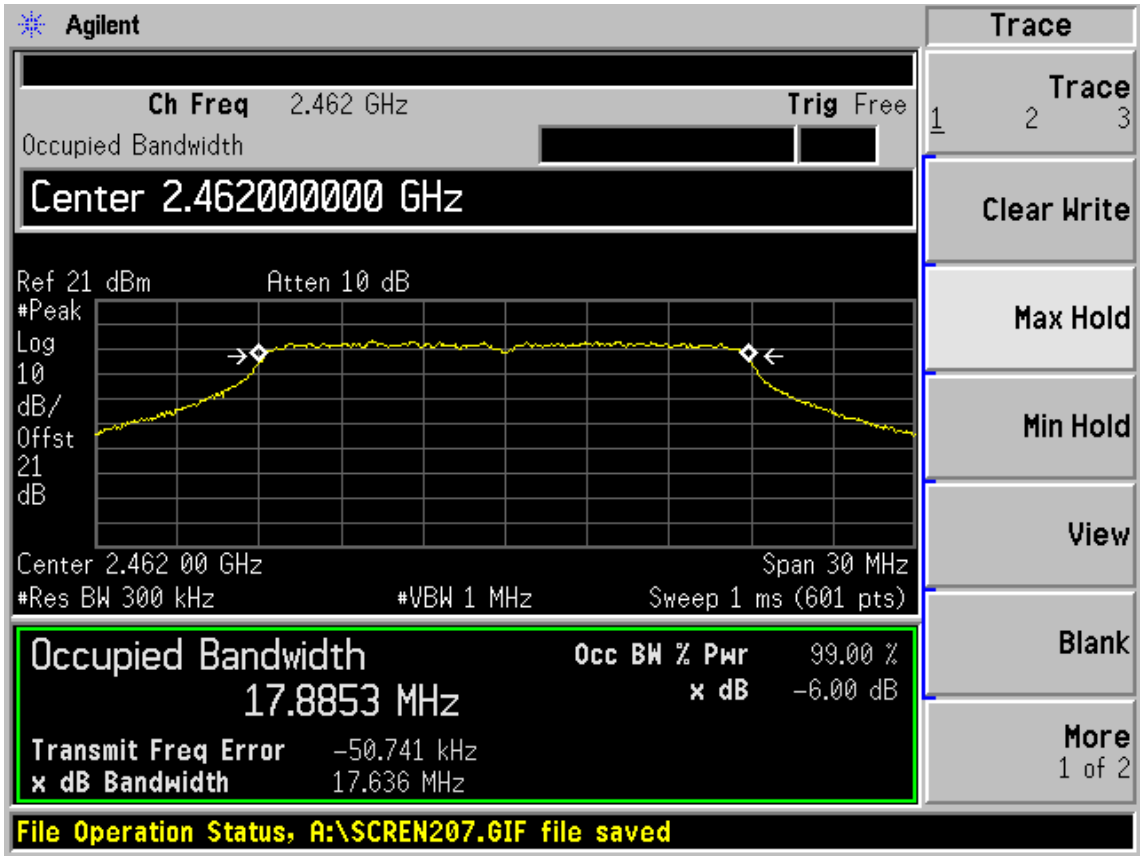
Test Mode: IEEE 802.11n HT20 TX
Test CH1: 2412MHz




Test CH6: 2437MHz

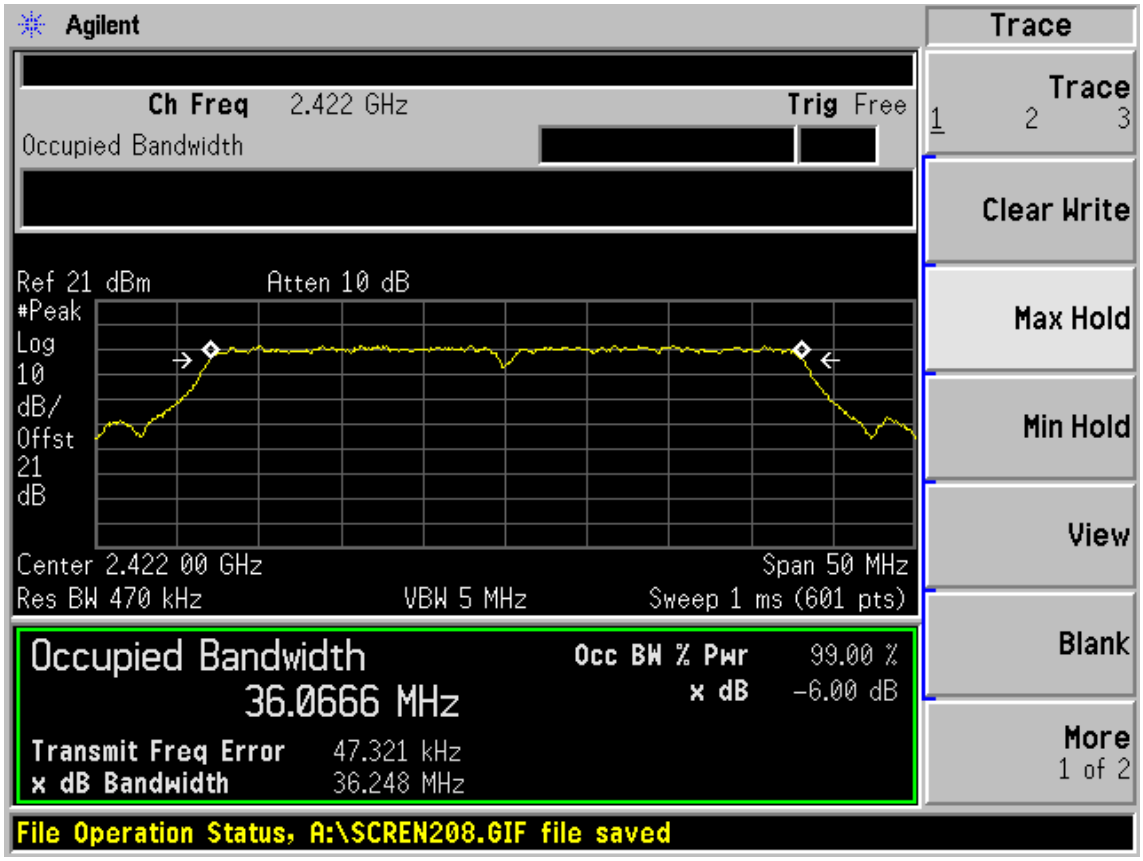


Test CH11: 2462MHz

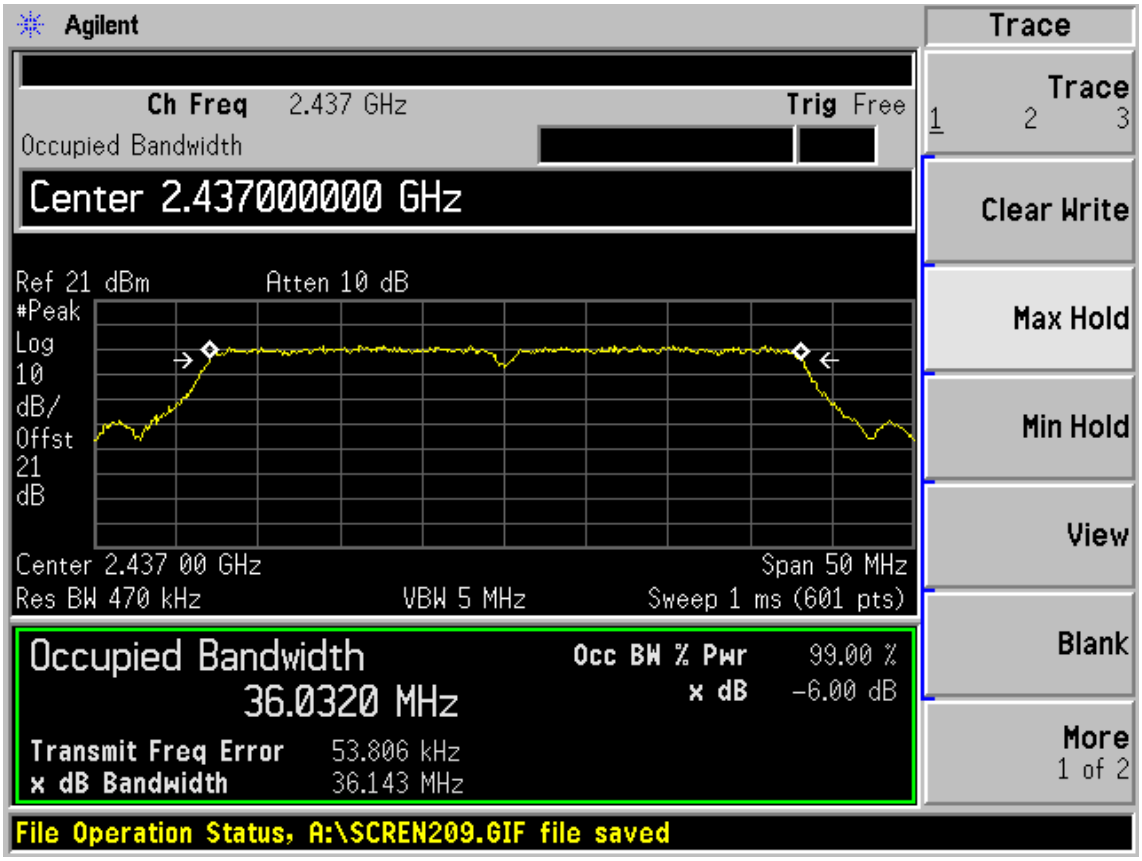



Test Mode: IEEE 802.11n HT40 TX

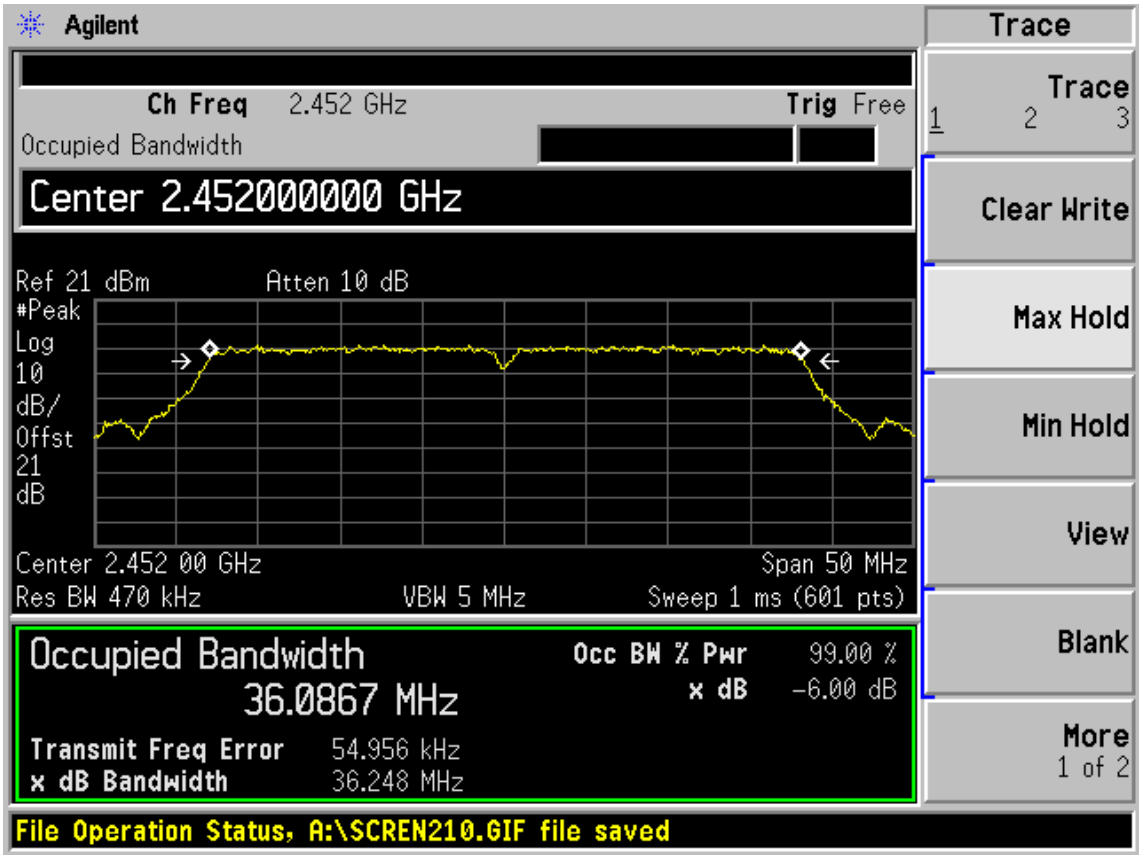
Test CH1: 2422MHz



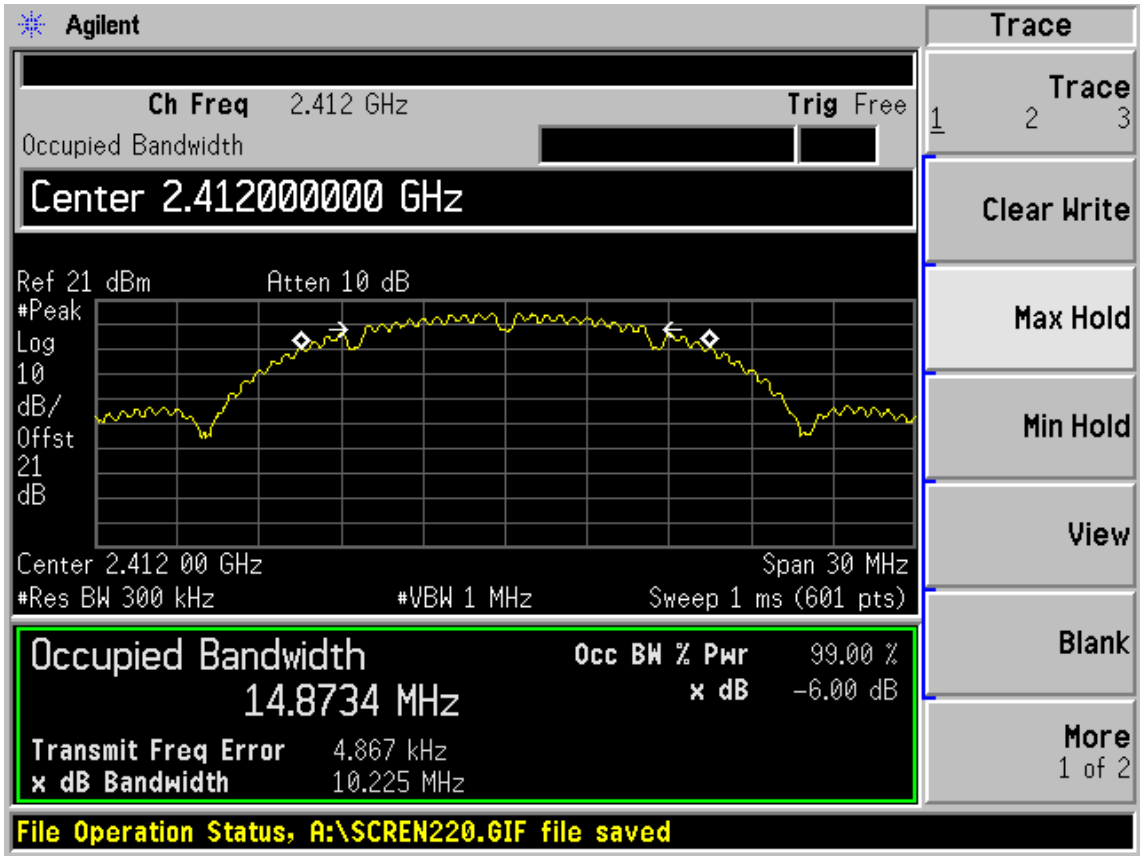
Test CH4: 2437MHz



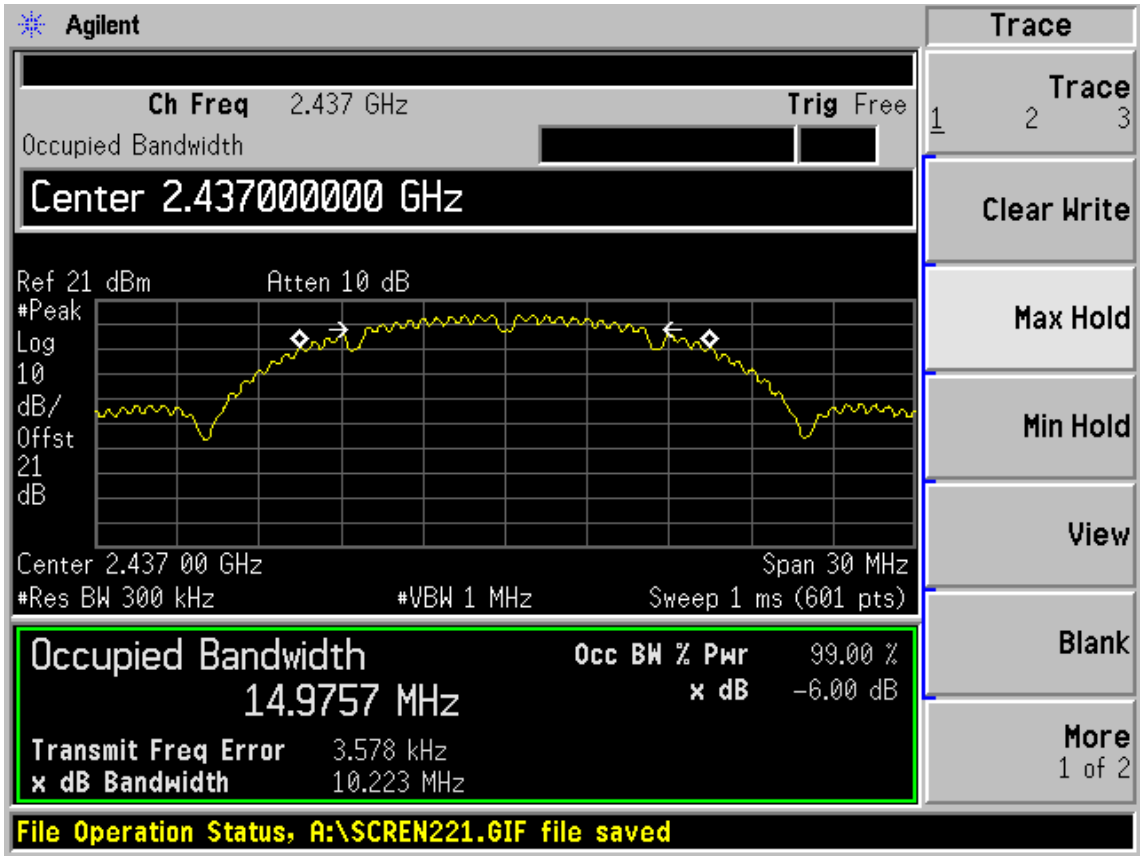

Test CH7: 2452MHz



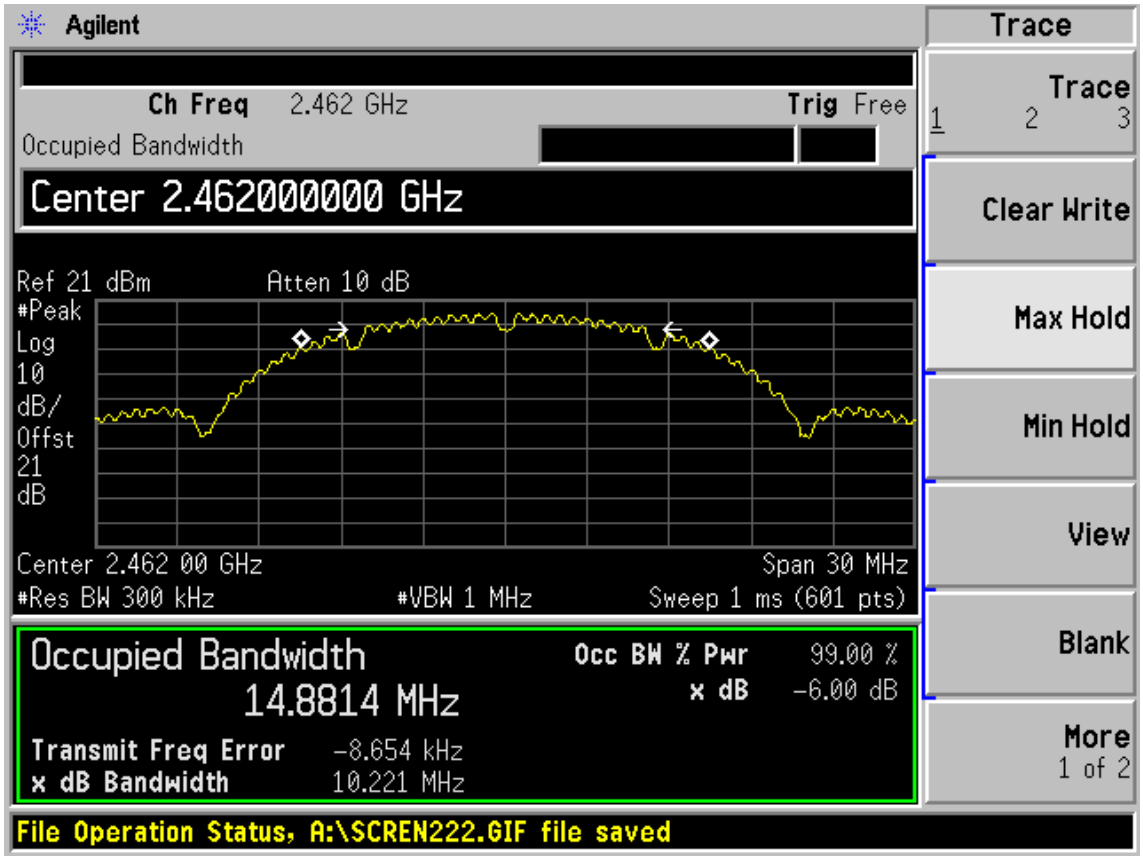
Chain 1
Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz




Test CH6: 2437MHz

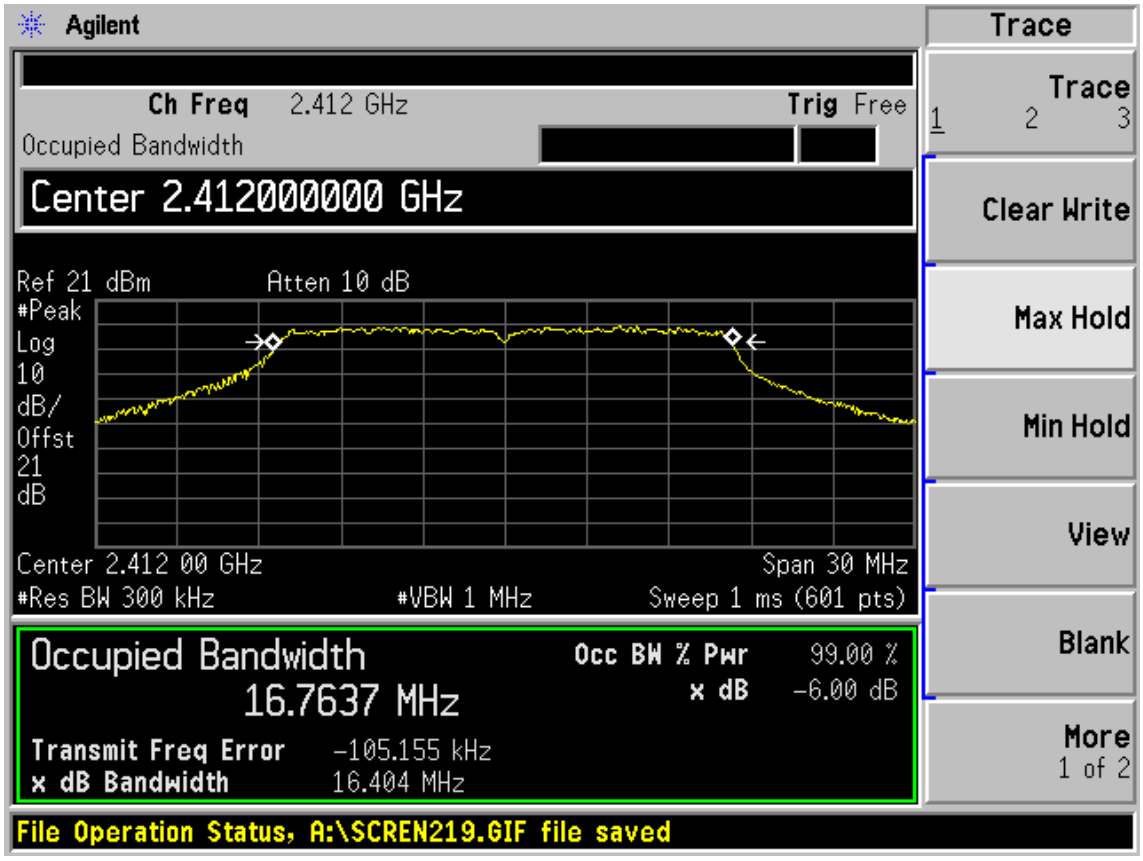


Test CH11: 2462MHz

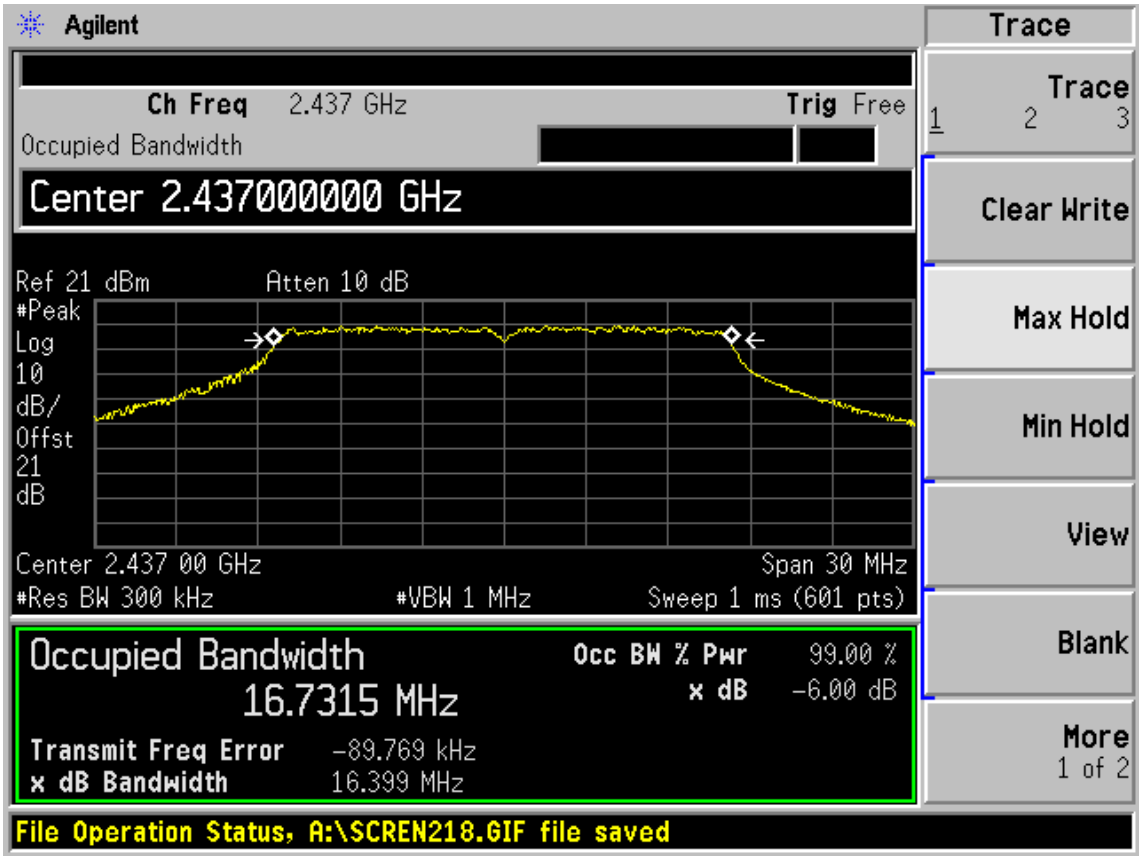



Test Mode: IEEE 802.11g TX

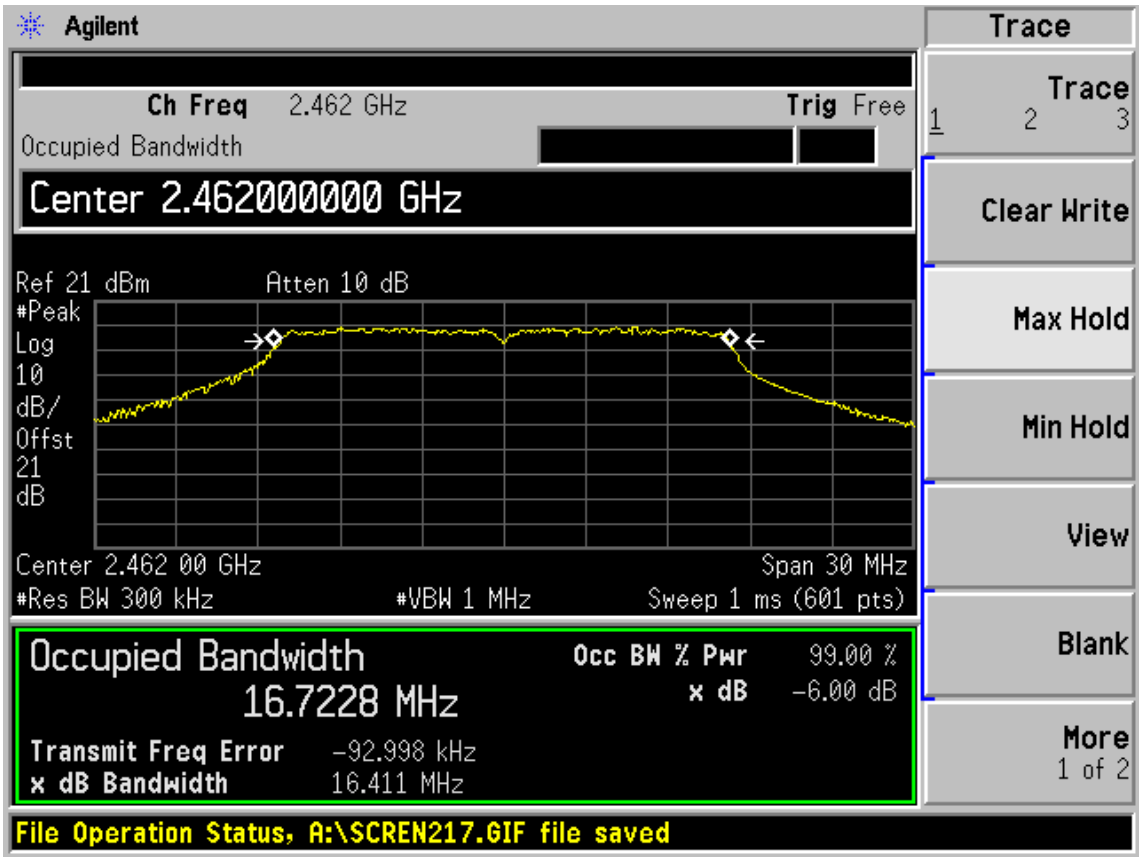
Test CH1: 2412MHz



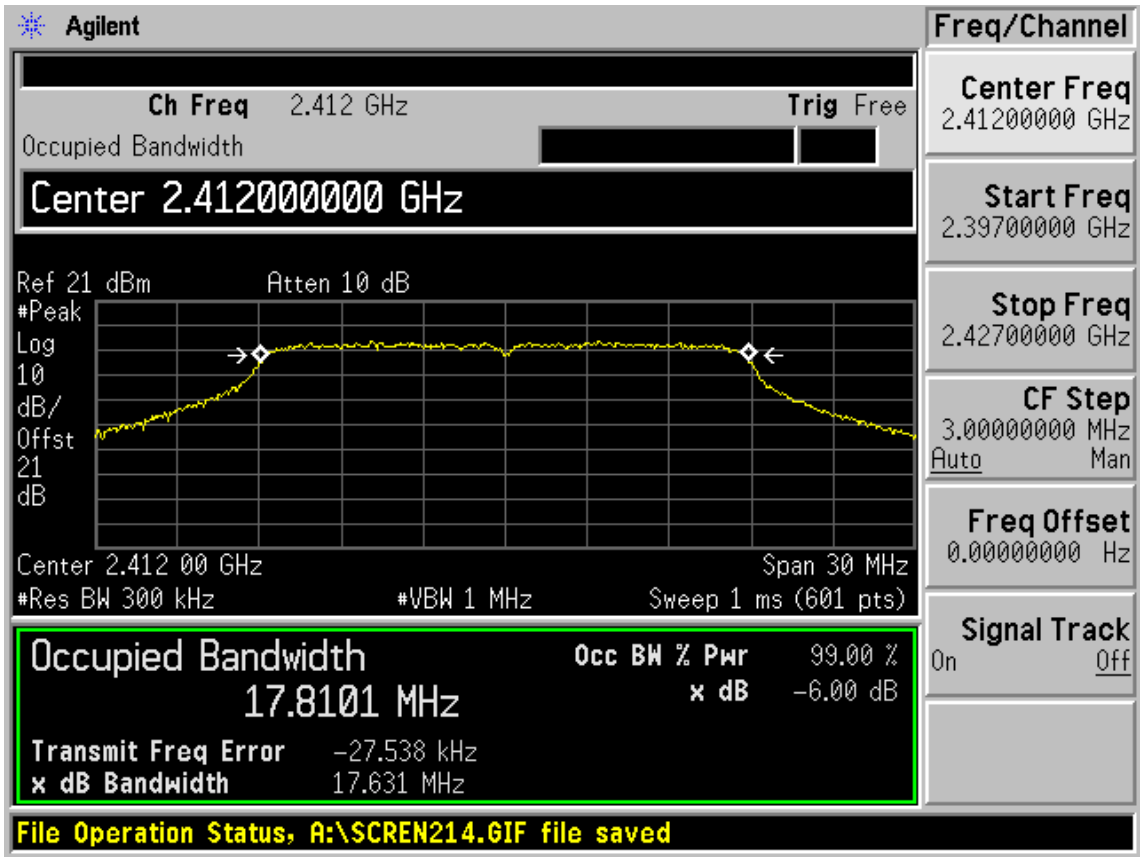
Test CH6: 2437MHz



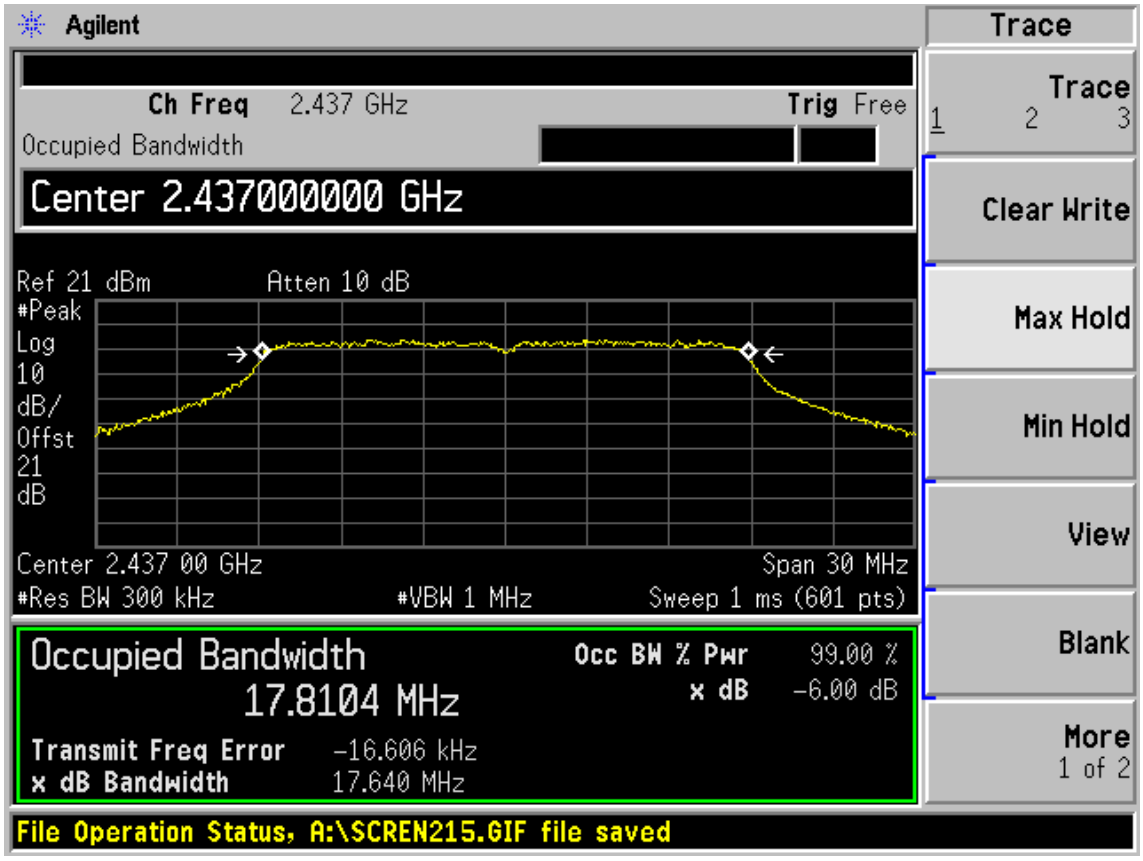

Test CH11: 2462MHz



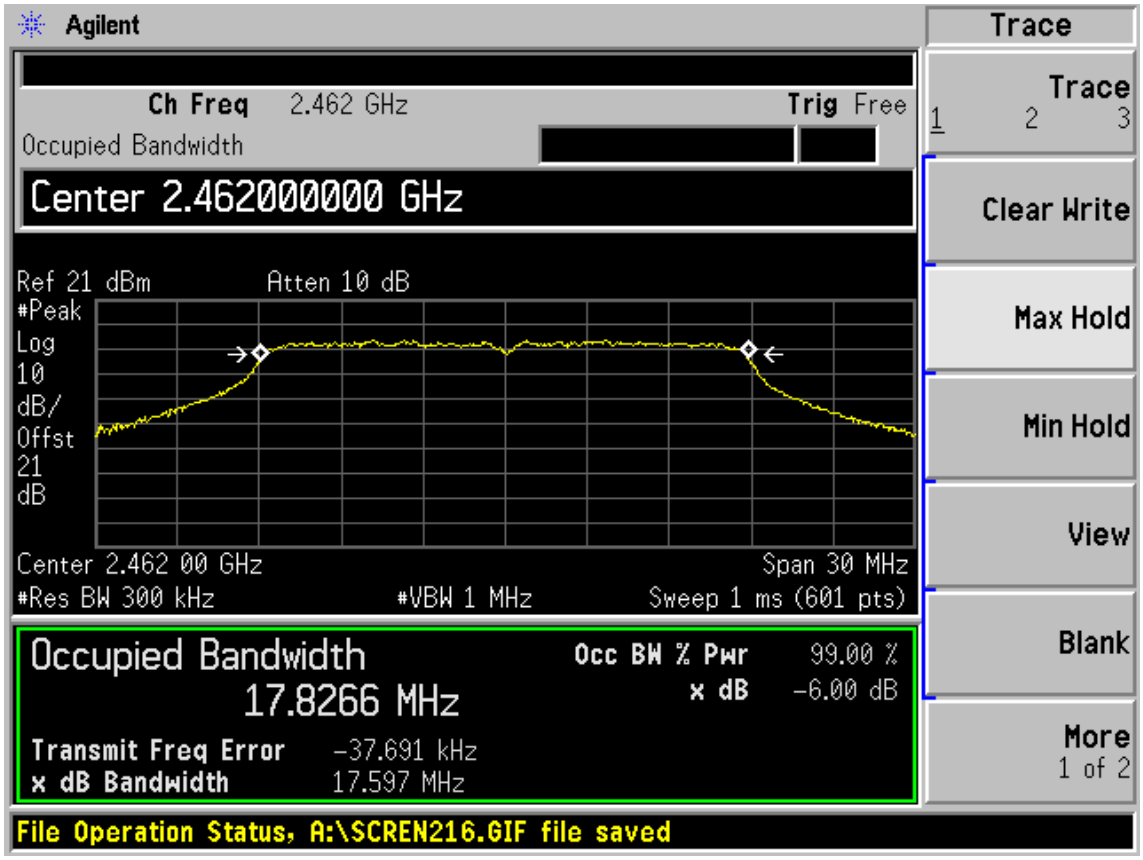
Test Mode: IEEE 802.11n HT20 TX
Test CH1: 2412MHz




Test CH6: 2437MHz

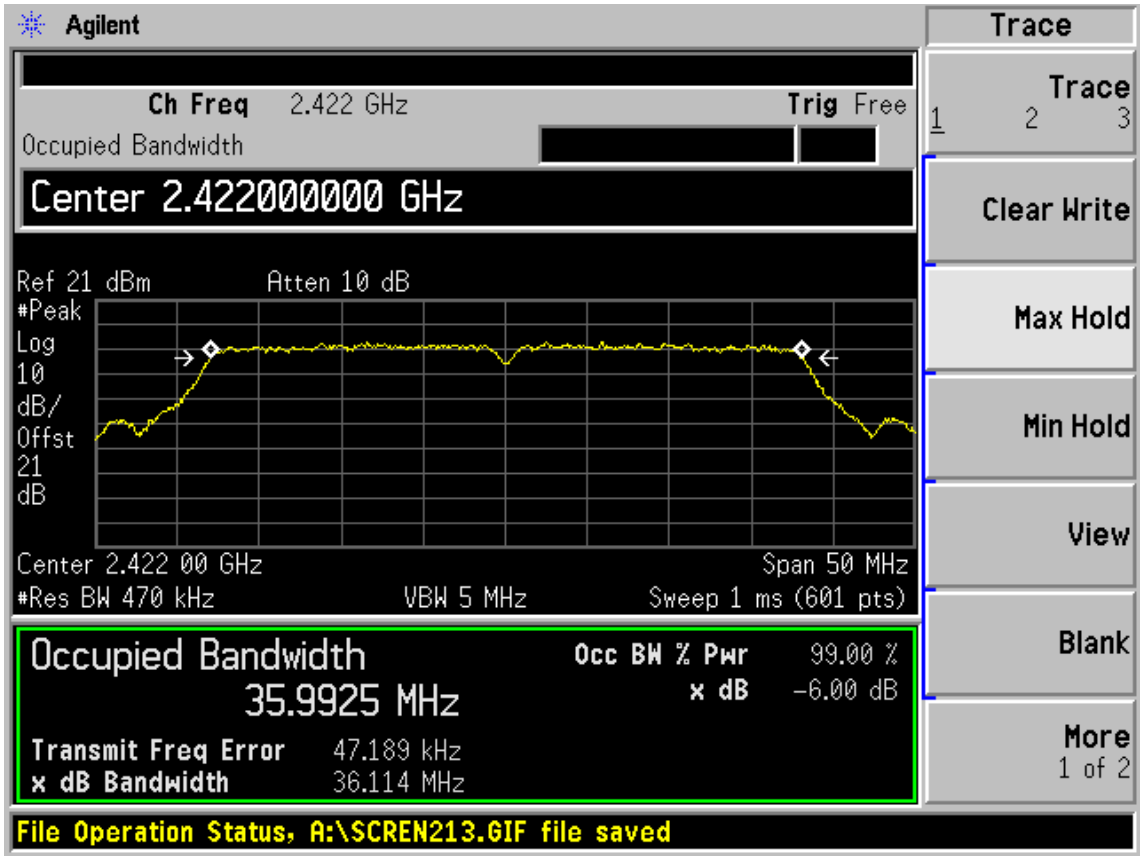


Test CH11: 2462MHz

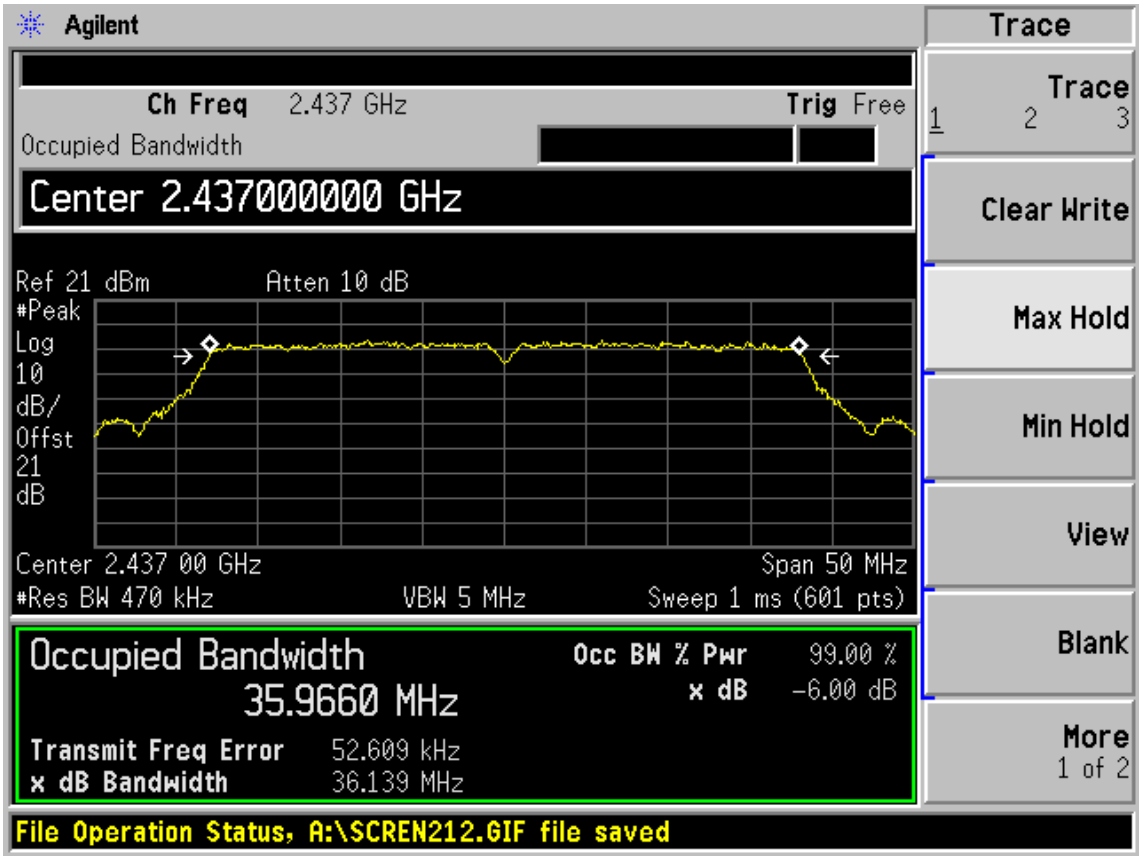



Test Mode: IEEE 802.11n HT40 TX

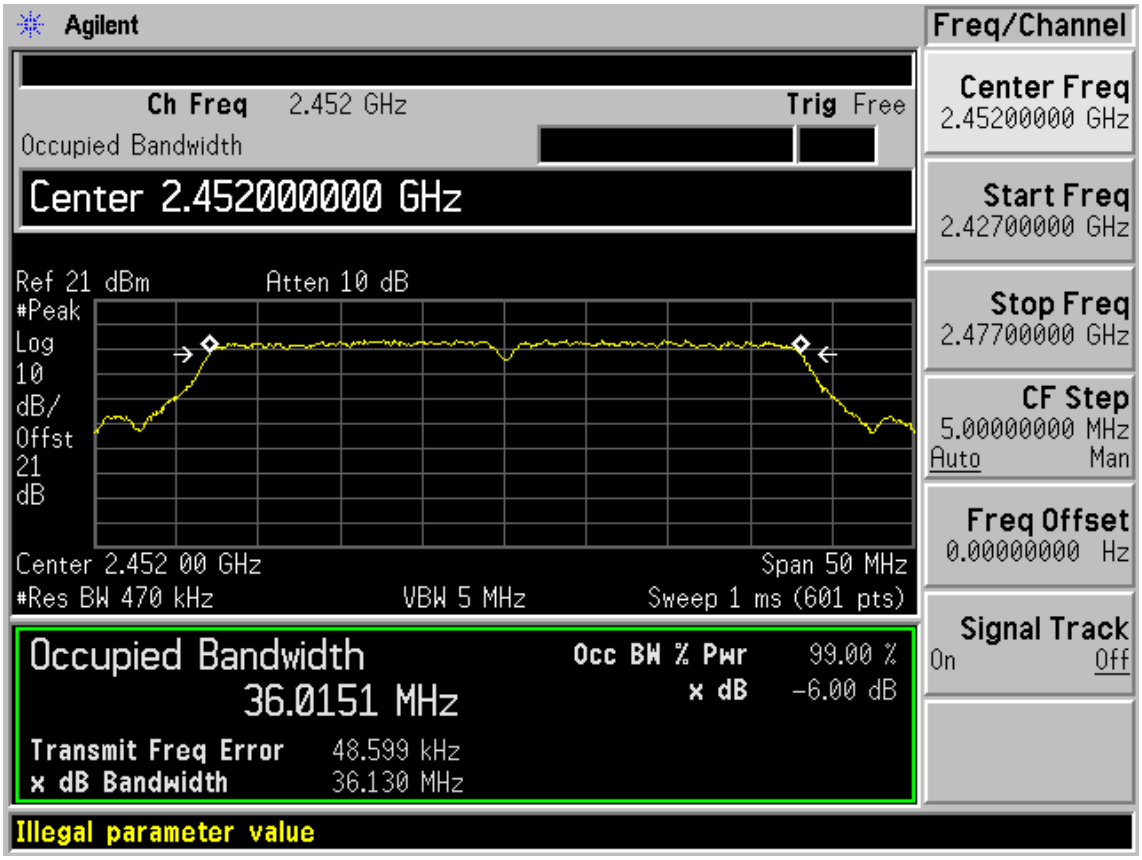
Test CH1: 2422MHz



Test CH4: 2437MHz




Test CH7: 2452MHz



# 8. OUTPUT POWER TEST

## 8.1.Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | Spectrum Analyzer | Agilent | E4446A | US44300459 | May.08, 13 | 1 Year |
| 2. | Attenuator | Agilent | 8491B | MY39262165 | May.08, 13 | 1 Year |
| 3. | Horn Antenna | EMCO | 3115 | 9607-4877 | Aug.28, 12 | 1 Year |
| 4. | HF Cable | Hubersuhne | Sucoflex104 | - | May.08, 13 | 1 Year |
| 5. | Power meter | Anritsu | ML2487A | 6K00002472 | May.08, 13 | 1Year |
| 6. | Power sensor | Anritsu | MA2491A | 0033005 | May.08, 13 | 1Year |

## 8.2.Limit (FCC Part 15C 15.247 b(3))

For systems using digital modulation in the 2400—2483.5MHz, The Peak out put Power shall not exceed 1W(30dBm)

## 8.3.Test Procedure

1, Connected the EUT's antenna port to measure device by 26dB attenuator.

2, For IEEE 802.11b/g and IEEE802.11n HT20 mode, use a PK power meter which's bandwidth is 20MHz and above 26dB bandwidth of signal to measure out each test modes' PK output power.

3, For IEEE802.11n HT40 mode, because the signal's bandwidth is about 40MHz and above 20MHz bandwidth of power sensor ML2491A. So Bandwidth correction method according to ANSI C63.10 clause 6.10.2.1 part (c) was used:

1) Set the RBW=3MHz and VBW =8MHz
2) Turn averaging off
3) Set sweep to automatic
4) Set the span just large enough to capture the emission
5) Use a peak detector on max hold
6) Record the measured power
7) Calculate Output power of EUT use the formula:

Peak output power =measured power+ 10log[(26dB bandwidth of emission)/(analyzer RBW)]

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

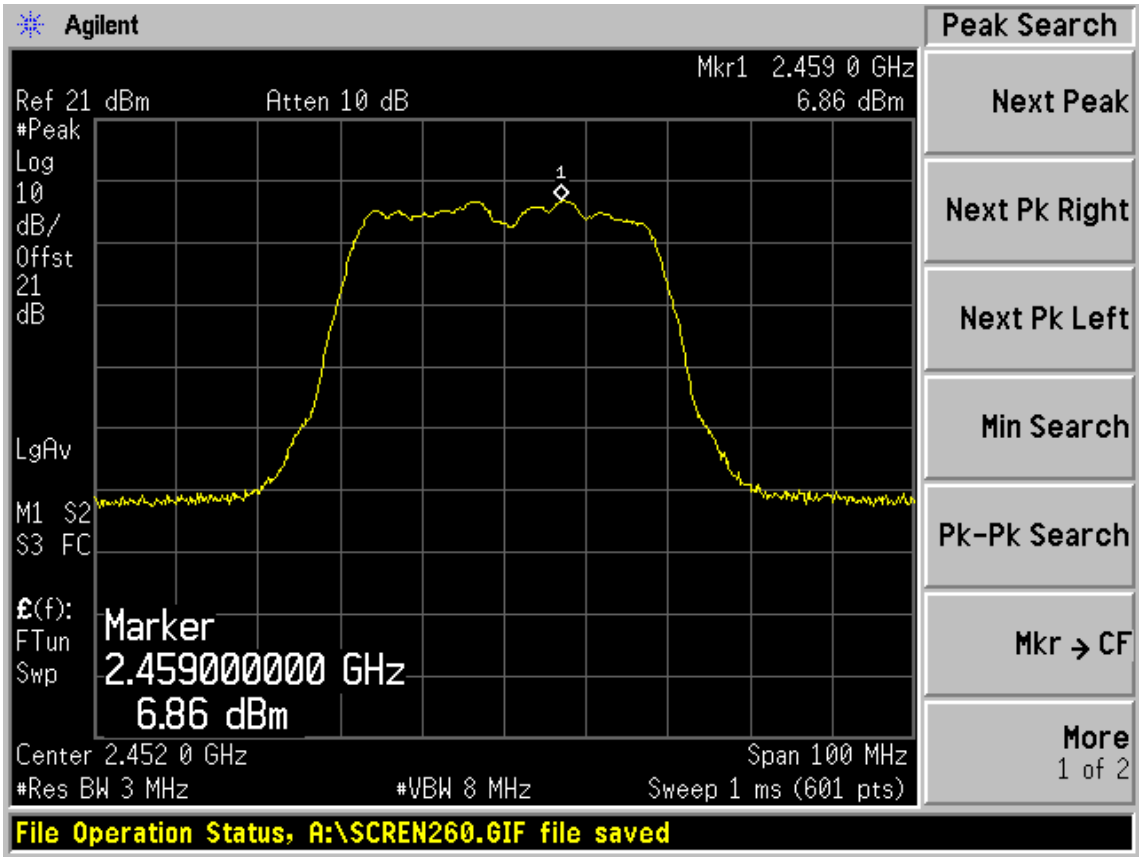
## 8.4.Test Results

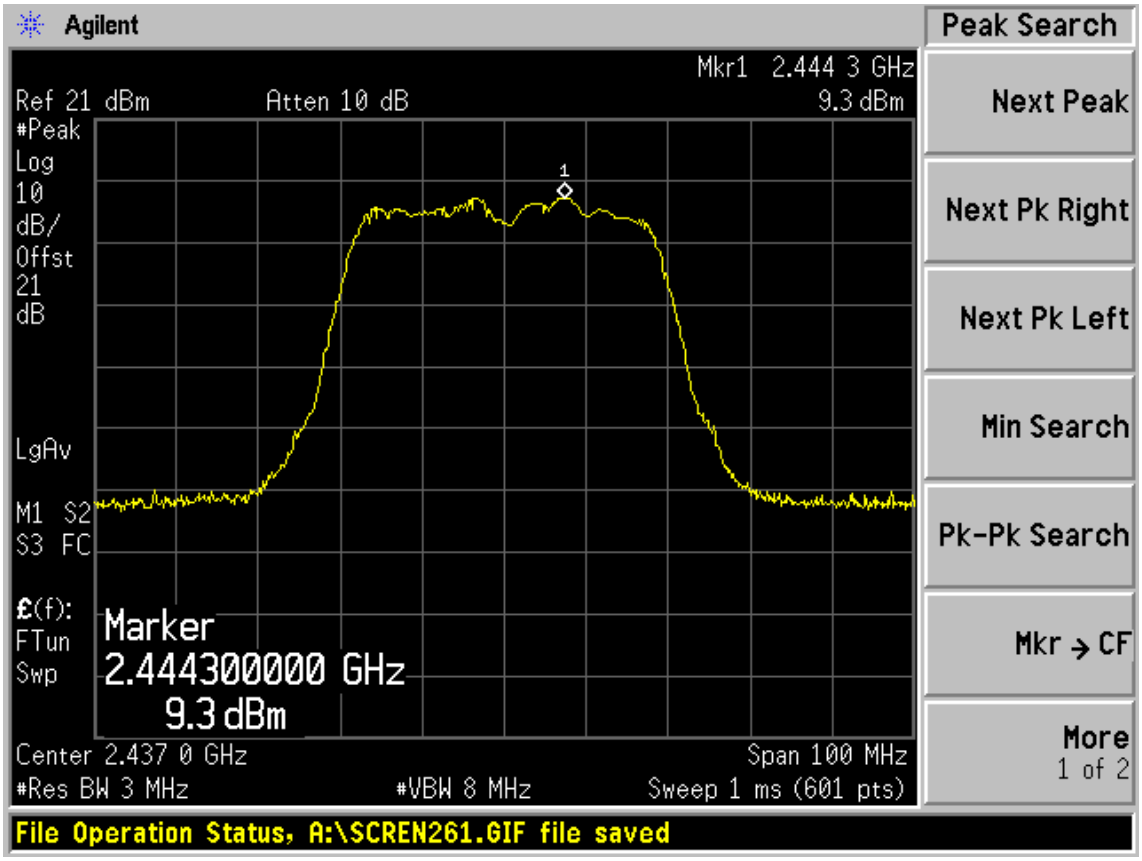
| | | |
|---|---|---|
| EUT: Wireless N- ADSL2+ 4-port Gateway | | |
| M/N: AMG1302-T10B | | |
| Test date: 2013-07-28 | Pressure: 101.2±1.0 kpa | Humidity: 48.4±3.0% |
| Tested by: Leo-Li | Test site: RF site | Temperature:20.7±0.6 ℃ |

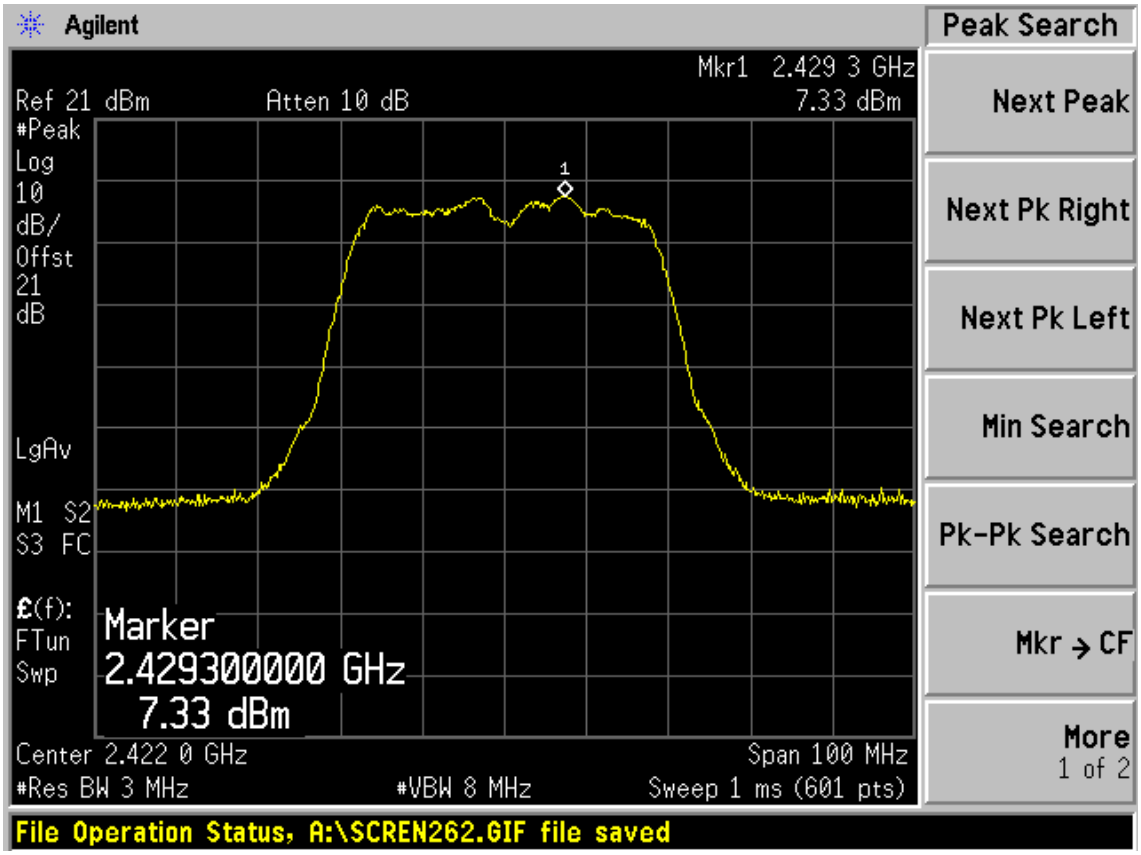
| Cable loss: 1 dB | | Attenuator loss: 20 dB | | | |
|---|---|---|---|---|---|
| Test Mode | CH (MHz) | Peak output Power（dBm） | | | Limit (dBm) |
| | | Chain0 | Chain1 | Total | |
| 11b | CH1 | 23.44 | 0 | N/A | 30 |
| | CH6 | 24.26 | 0 | N/A | 30 |
| | CH11 | 23.24 | 0 | N/A | 30 |
| 11g | CH1 | 24.69 | 0 | N/A | 30 |
| | CH6 | 25.44 | 0 | N/A | 30 |
| | CH11 | 24.36 | 0 | N/A | 30 |
| 11n HT20 | CH1 | 19.81 | 17.45 | 21.8 | 30 |
| | CH6 | 22.03 | 18.33 | 23.57 | 30 |
| | CH11 | 18.67 | 16.69 | 20.8 | 30 |

| Test Mode | CH | Result | | | | | Limit |
|---|---|---|---|---|---|---|---|
| | | Measured power(dBm)/3MHz | | PK Output power (dBm) | | | (dBm) |
| | | Chain0 | Chain1 | Chain0 | Chain1 | Total | |
| 11n HT40 | CH3 | 7.33 | 6.18 | 18.69 | 17.56 | 21.17 | 30 |
| | CH6 | 9.3 | 7.08 | 20.66 | 18.46 | 22.71 | 30 |
| | CH9 | 6.86 | 4.96 | 18.22 | 16.34 | 20.39 | 30 |
| Chain A 26dB Bandwidth for 11n HT40:41.056MHz<br>Chain B 26dB Bandwidth for 11n HT40:41.208MHz | | | | | | | |
| Chain A BW correction factor = 10log[(41.056MHz)/(3MHz)] = 11.36dB<br>Chain B BW correction factor = 10log[(41.208MHz)/(3MHz)] = 11.38dB | | | | | | | |
| Conclusion: PASS | | | | | | | |

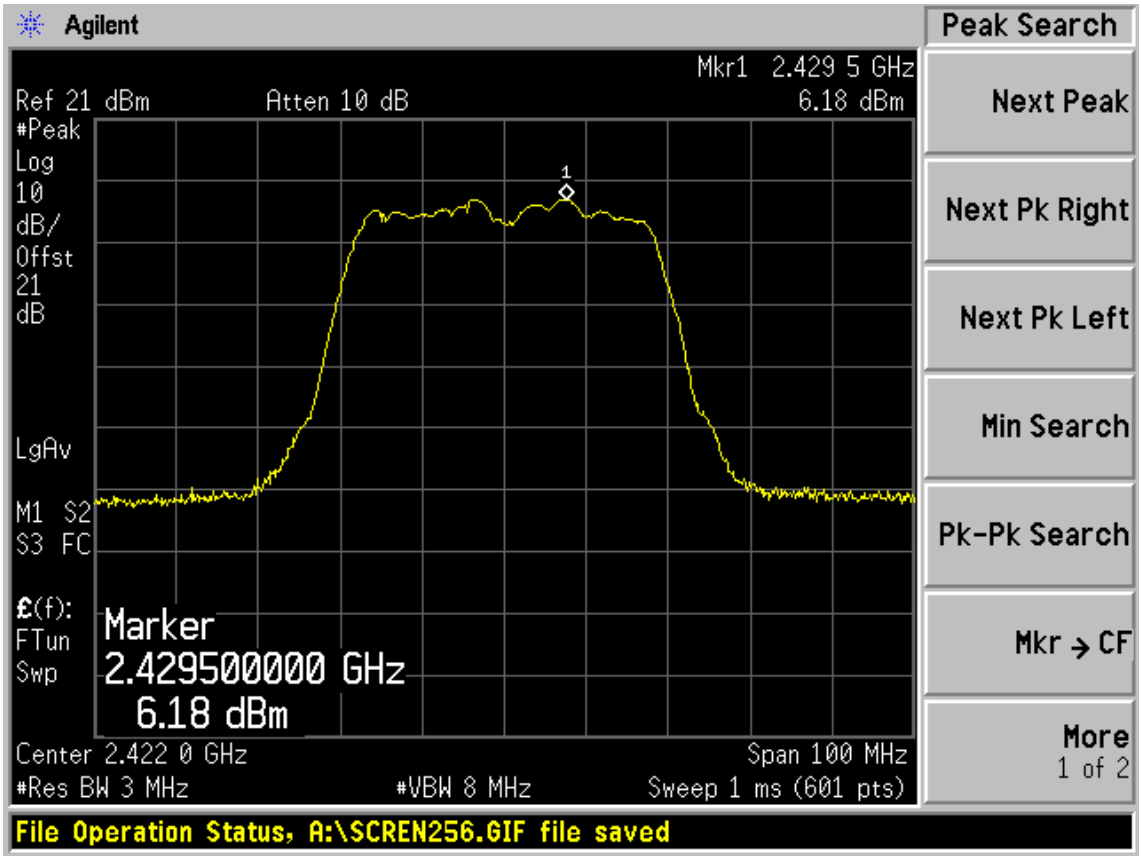
Test Mode: IEEE 802.11n HT40
CH 0

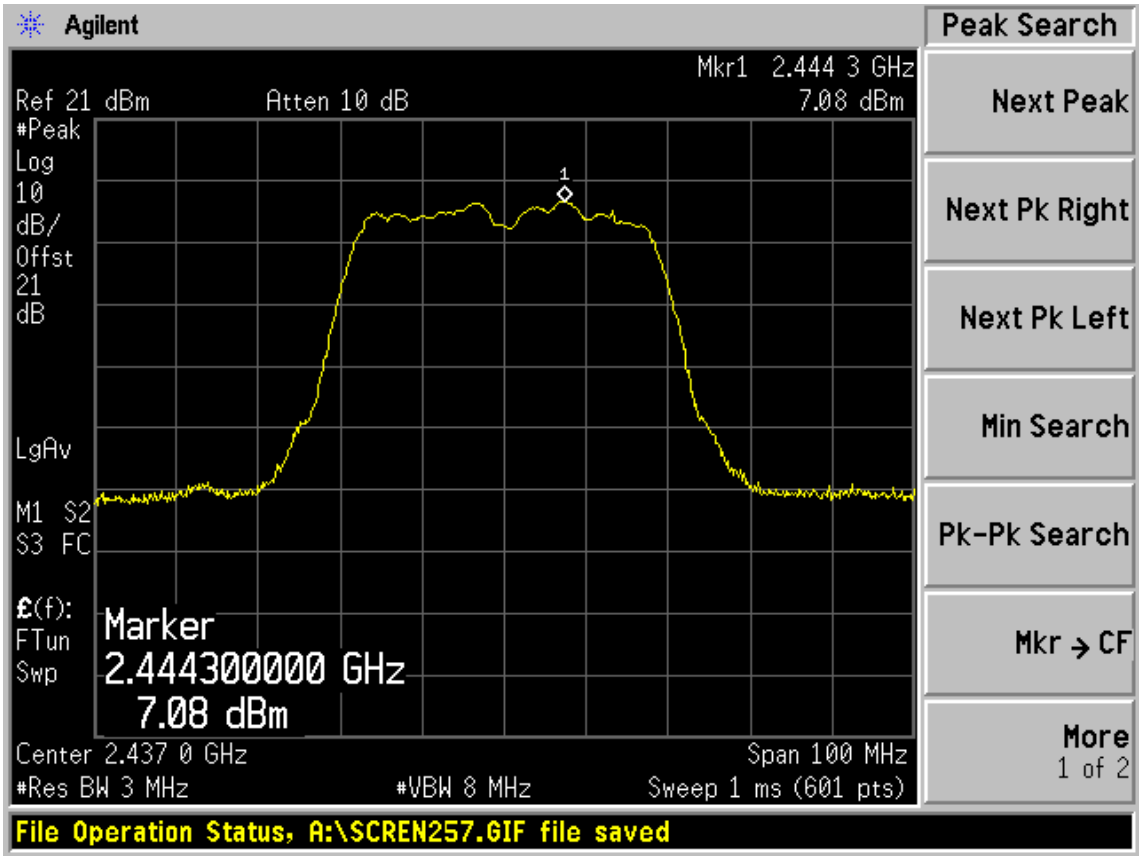


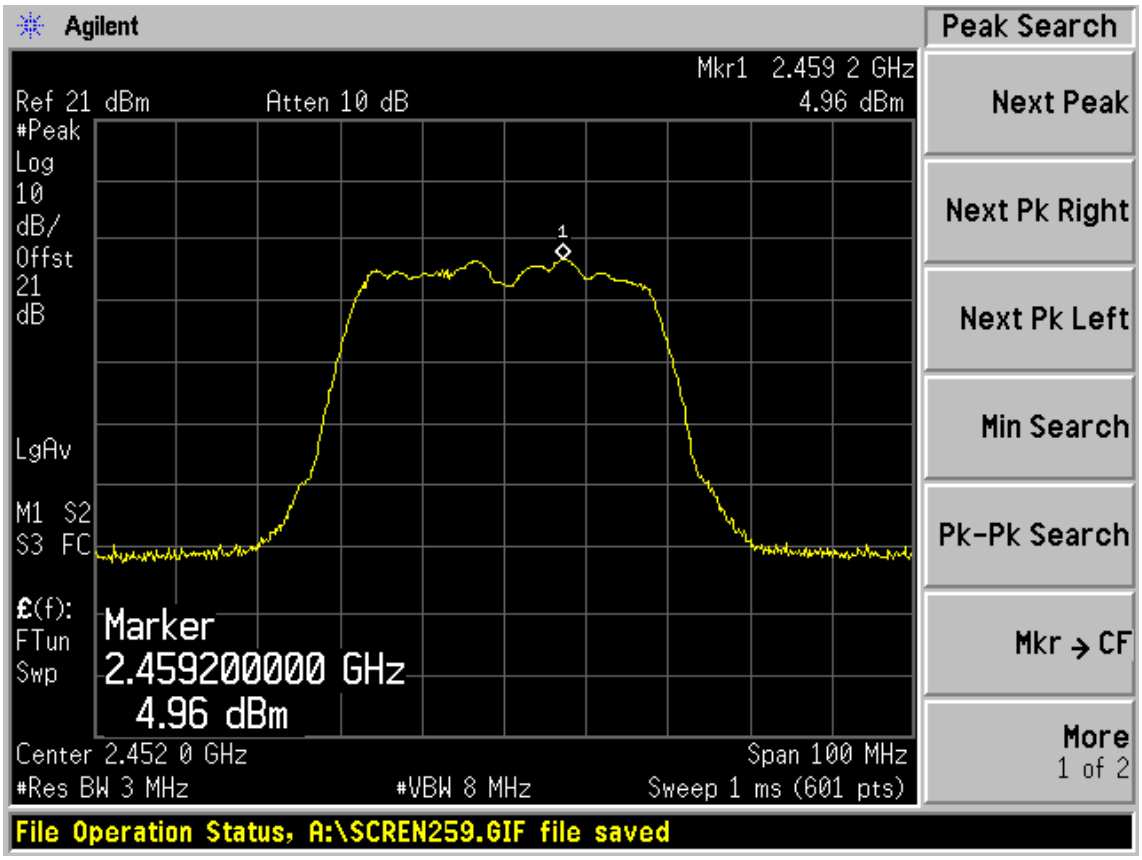




Agilent
Peak Search
Mkr1 2.429 3 GHz
Ref 21 dBm
Atten 10 dB
7.33 dBm
#Peak
Log
10
dB/
Offst
21
dB
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Marker
2.429300000 GHz
7.33 dBm
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Center 2.422 0 GHz
Span 100 MHz
#Res BW 3 MHz
#VBW 8 MHz
Sweep 1 ms (601 pts)
File Operation Status, A:\SCREN262.GIF file saved

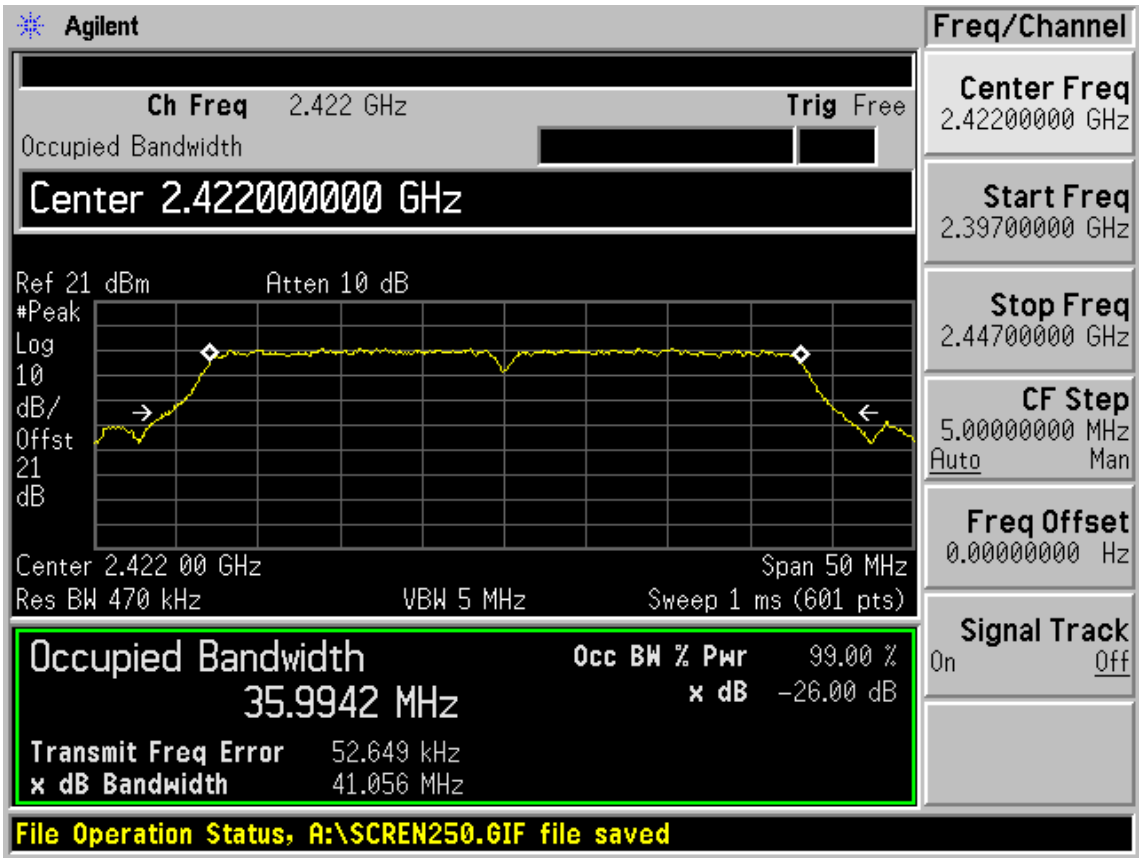
CH 1

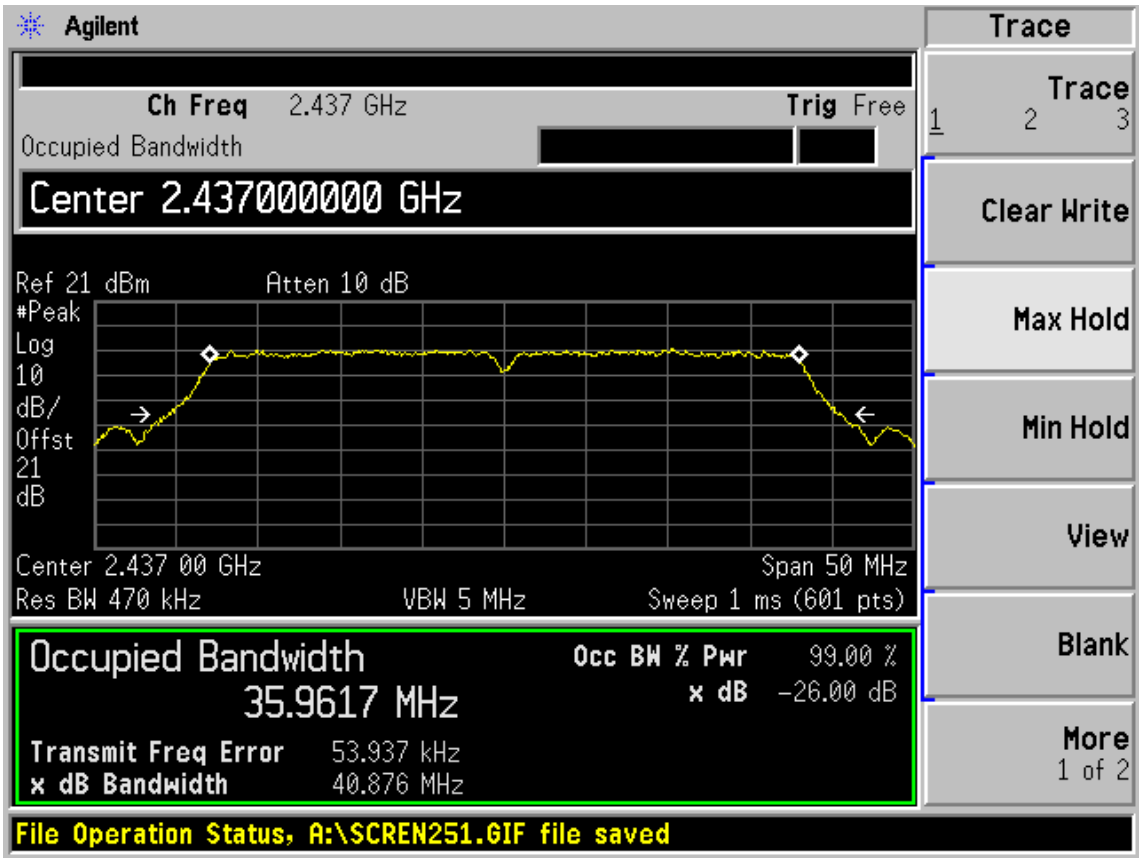

Agilent
Peak Search
Mkr1 2.429 5 GHz
Ref 21 dBm
Atten 10 dB
6.18 dBm
#Peak
Log
10
dB/
Offst
21
dB
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Marker
2.429500000 GHz
6.18 dBm
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Center 2.422 0 GHz
Span 100 MHz
#Res BW 3 MHz
#VBW 8 MHz
Sweep 1 ms (601 pts)
File Operation Status, A:\SCREN256.GIF file saved

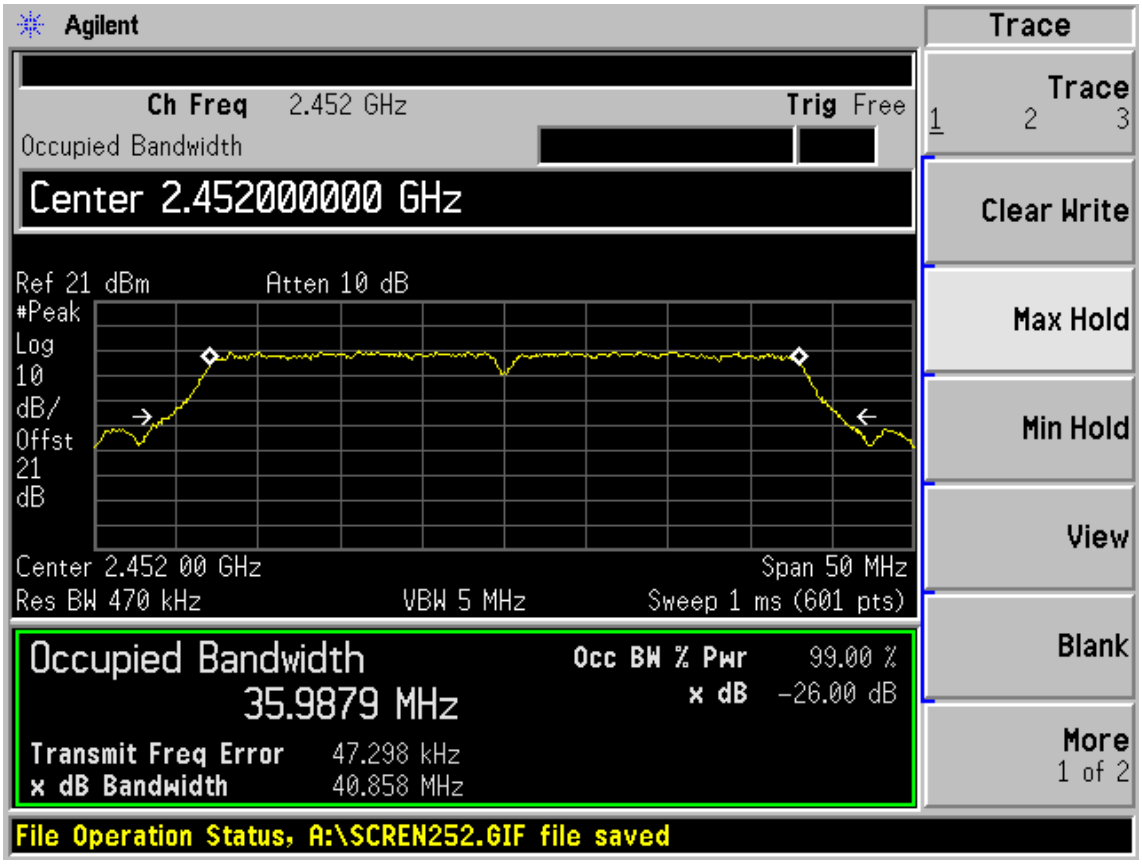

Agilent
Peak Search
Mkr1 2.444 3 GHz
Ref 21 dBm
Atten 10 dB
7.08 dBm
#Peak
Log
10
dB/
Offst
21
dB
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Marker
2.444300000 GHz
7.08 dBm
Center 2.437 0 GHz
Span 100 MHz
#Res BW 3 MHz
#VBW 8 MHz
Sweep 1 ms (601 pts)
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
File Operation Status, A:\SCREN257.GIF file saved


Agilent
Peak Search
Mkr1 2.459 2 GHz
Ref 21 dBm
Atten 10 dB
4.96 dBm
#Peak
Log
10
dB/
Offst
21
dB
LgAv
M1 S2
S3 FC
£(f):
FTun
Swp
Marker
2.459200000 GHz
4.96 dBm
Center 2.452 0 GHz
Span 100 MHz
#Res BW 3 MHz
#VBW 8 MHz
Sweep 1 ms (601 pts)
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
File Operation Status, A:\SCREN259.GIF file saved

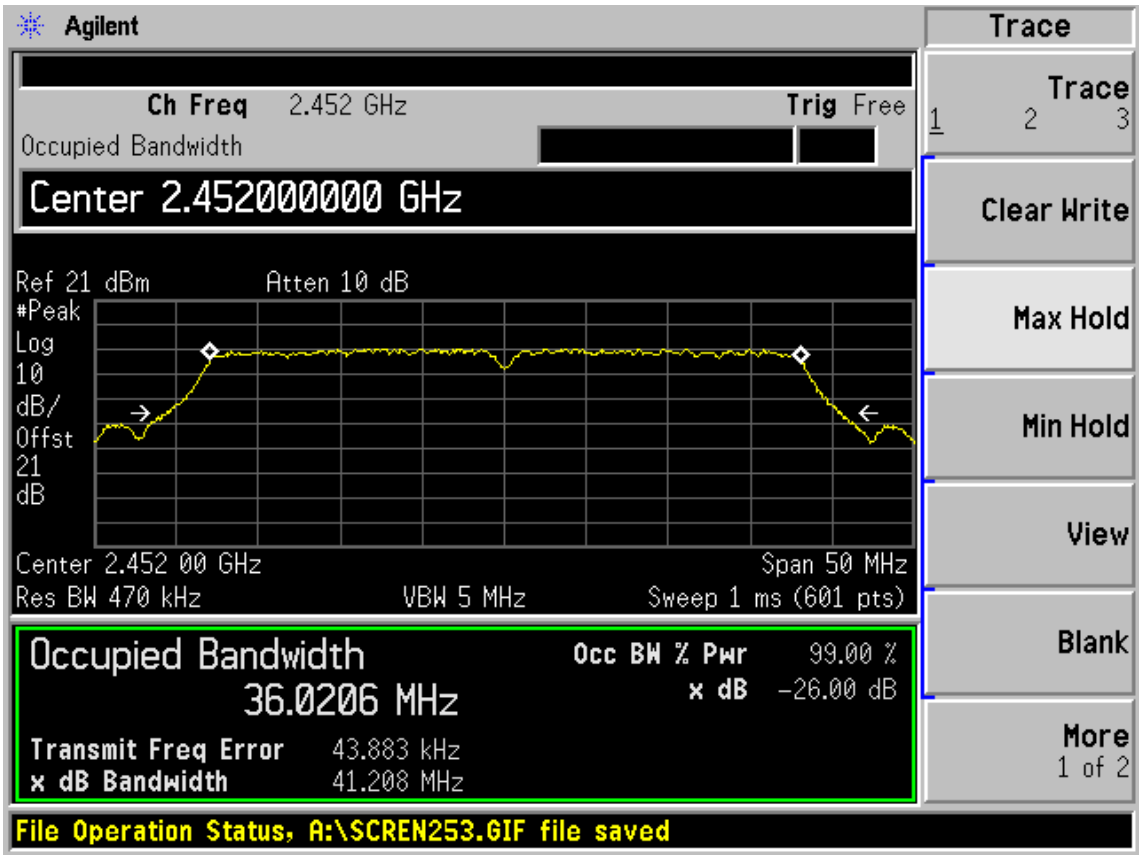
26dB Bandwidth
CH 0

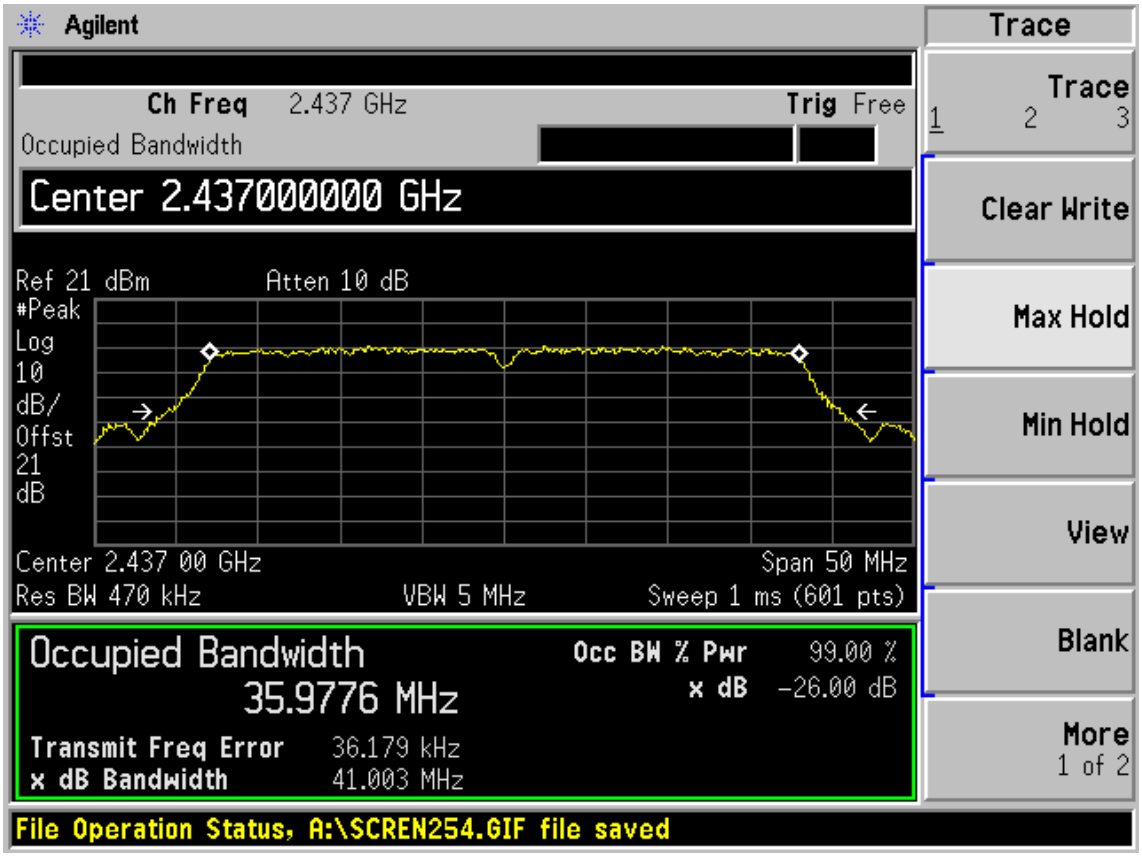


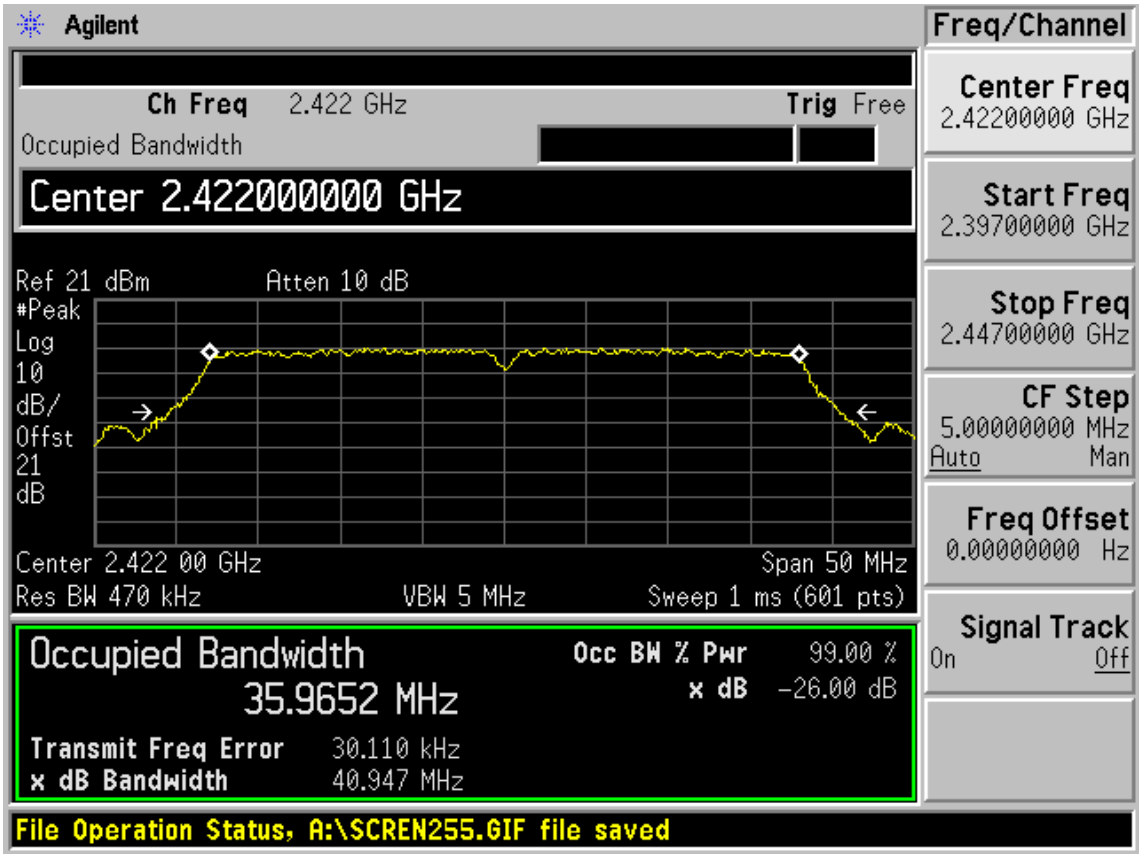




Agilent
Trace
Ch Freq 2.452 GHz
Trig Free
Occupied Bandwidth
Center 2.452000000 GHz
Ref 21 dBm
Atten 10 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.452 00 GHz
Span 50 MHz
Res BW 470 kHz
VBW 5 MHz
Sweep 1 ms (601 pts)
Occupied Bandwidth
35.9879 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB
Transmit Freq Error 47.298 kHz
x dB Bandwidth 40.858 MHz
Trace 1 2 3
Clear Write
Max Hold
Min Hold
View
Blank
More 1 of 2
File Operation Status, A:\SCREN252.GIF file saved

CH 1


Agilent
Trace
Ch Freq 2.452 GHz
Trig Free
Occupied Bandwidth
Center 2.452000000 GHz
Ref 21 dBm
Atten 10 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.452 00 GHz
Span 50 MHz
Res BW 470 kHz
VBW 5 MHz
Sweep 1 ms (601 pts)
Occupied Bandwidth
36.0206 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB
Transmit Freq Error 43.883 kHz
x dB Bandwidth 41.208 MHz
Trace 1 2 3
Clear Write
Max Hold
Min Hold
View
Blank
More 1 of 2
File Operation Status, A:\SCREN253.GIF file saved


Agilent
Trace
Ch Freq 2.437 GHz
Trig Free
Occupied Bandwidth
Center 2.437000000 GHz
Ref 21 dBm
Atten 10 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.437 00 GHz
Span 50 MHz
Res BW 470 kHz
VBW 5 MHz
Sweep 1 ms (601 pts)
Occupied Bandwidth
35.9776 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB
Transmit Freq Error 36.179 kHz
x dB Bandwidth 41.003 MHz
Trace
1 2 3
Clear Write
Max Hold
Min Hold
View
Blank
More
1 of 2
File Operation Status, A:\SCREN254.GIF file saved


Agilent
Freq/Channel
Ch Freq 2.422 GHz
Trig Free
Occupied Bandwidth
Center 2.422000000 GHz
Ref 21 dBm
Atten 10 dB
#Peak
Log
10
dB/
Offst
21
dB
Center 2.422 00 GHz
Span 50 MHz
Res BW 470 kHz
VBW 5 MHz
Sweep 1 ms (601 pts)
Occupied Bandwidth
35.9652 MHz
Occ BW % Pwr 99.00 %
x dB -26.00 dB
Transmit Freq Error 30.110 kHz
x dB Bandwidth 40.947 MHz
Center Freq
2.42200000 GHz
Start Freq
2.39700000 GHz
Stop Freq
2.44700000 GHz
CF Step
5.00000000 MHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
File Operation Status, A:\SCREN255.GIF file saved

# 9. POWER SPECTRAL DENSITY TEST

## 9.1.Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | Spectrum Analyzer | Agilent | E4446A | US44300459 | May.08, 13 | 1 Year |
| 2. | PreAmplifier | Agilent | 8449B | 3008A02495 | May.08, 13 | 1 Year |
| 3. | Horn Antenna | EMCO | 3115 | 9607-4877 | Aug.28, 12 | 1 Year |
| 4. | HF Cable | Hubersuhne | Sucoflex104 | - | May.08, 13 | 1 Year |

## 9.2.Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

## 9.3.Test Procedure

1. Connected the EUT's antenna port to spectrum analyzer device by 20dB attenuator.

2 , Set the test frequency as center frequency,Set RBW=3KHz,VBW=10KHz,Span large enough capture the entire frequency,Read out maximum peak leval frequency

3, Set the frequency read from produce 2 as center frequency,then set the span= 300KHz, Sweep time=Span/RBW,Then Max hold,read out each mode and each chain's Power density.

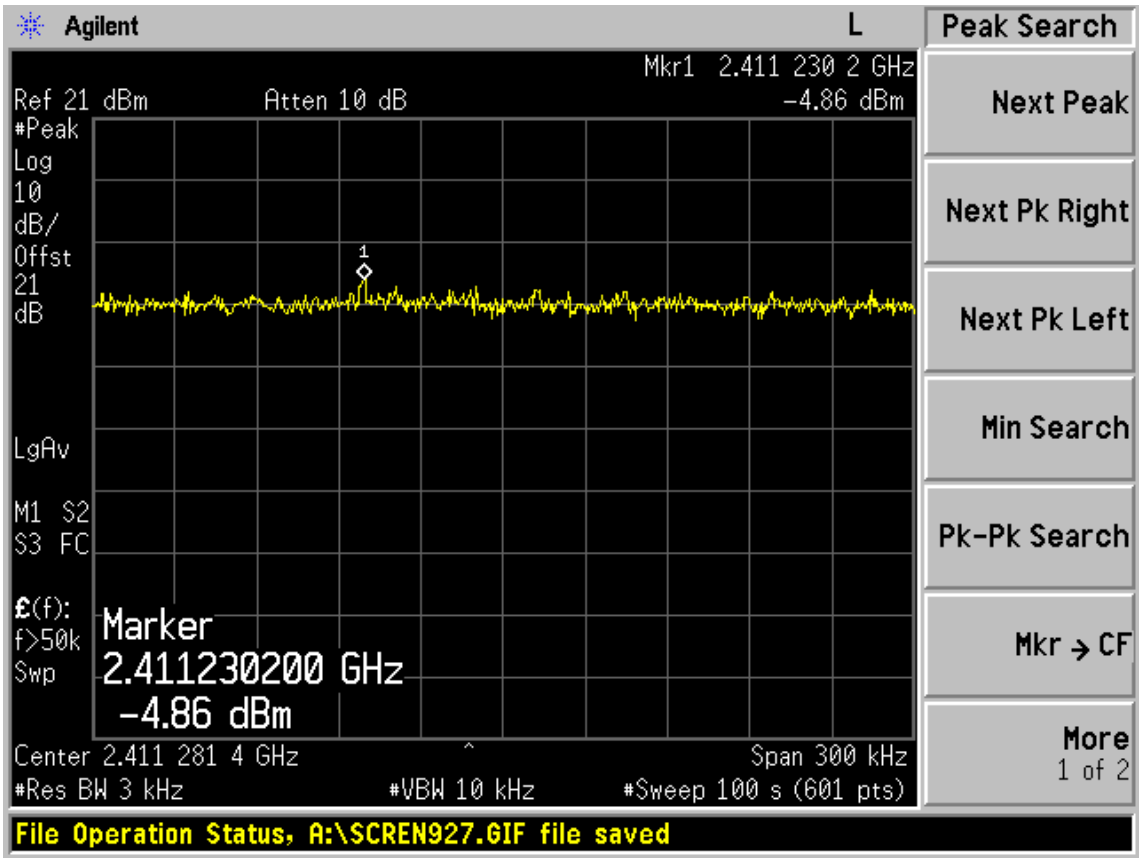
Note: The cable loss and attenuator loss were offset into measure device as an amplitude

## 9.4.Test Results

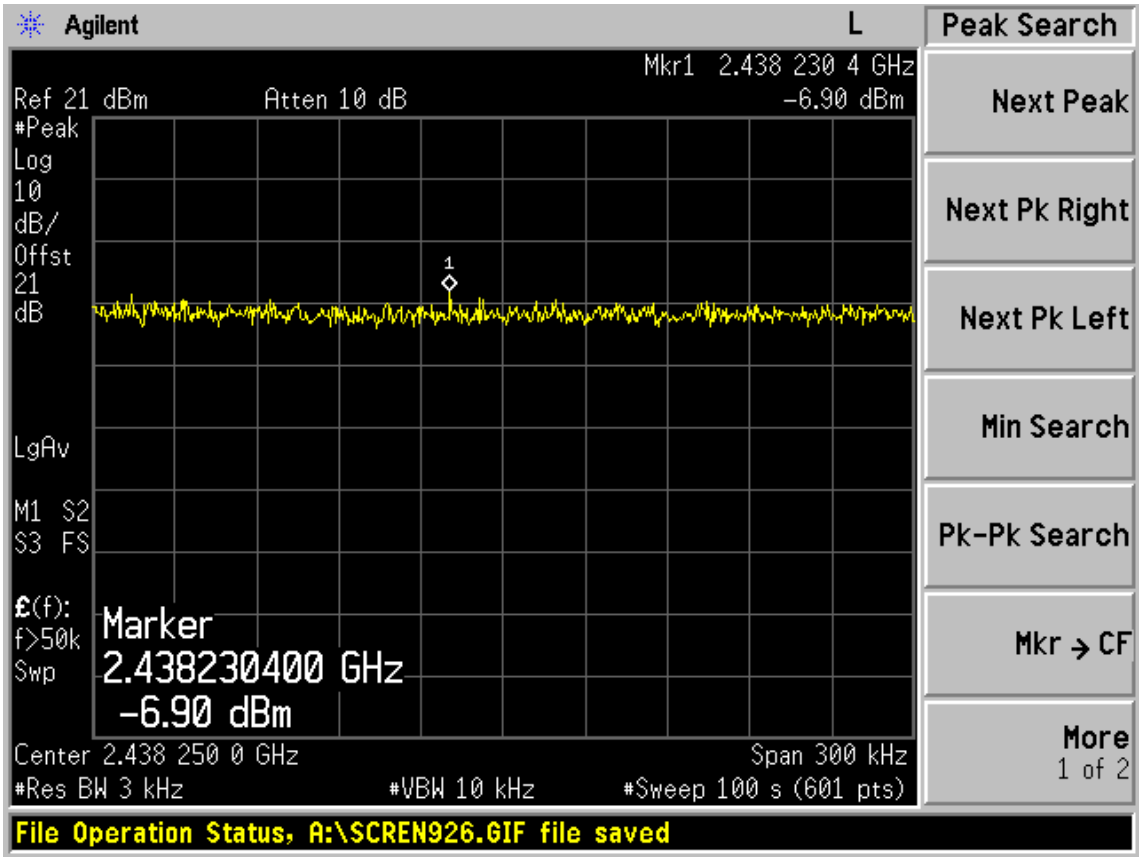
| | | |
|---|---|---|
| EUT: Wireless N ADSL2+ 4-port Gateway | | |
| M/N: AMG1302-T10B | | |
| Test date:2013-07.28 | Pressure: 101.3±1.0 kpa | Humidity: 52 ±0.3% |
| Tested by: Leo-Li | Test site: RF Site | Temperature：22.1±0.6 ℃ |

| Cable loss: 1 dB | | Attenuator loss: 20 dB | | | |
|---|---|---|---|---|---|
| Test Mode | CH | Power density（dBm/3KHz） | | | Limit (dBm/3KHz) |
| | | Chain0 | Chain1 | Total | |
| 11b | CH1 | -4.86 | -5.22 | N/A | 8 |
| | CH6 | -6.90 | -5.97 | N/A | 8 |
| | CH11 | -5.81 | -7.00 | N/A | 8 |
| 11g | CH1 | -5.97 | -12.83 | N/A | 8 |
| | CH6 | -8.25 | -9.95 | N/A | 8 |
| | CH11 | -9.94 | -11.82 | N/A | 8 |
| 11n HT20 | CH1 | -11.50 | -14.57 | -9.76 | 8 |
| | CH6 | -6.77 | -10.14 | -5.13 | 8 |
| | CH11 | -13.89 | -14.77 | -11.30 | 8 |
| 11n HT40 | CH1 | -13.26 | -13.75 | -10.49 | 8 |
| | CH4 | -13.11 | -17.20 | -11.68 | 8 |
| | CH7 | -15.40 | -19.10 | -13.86 | 8 |
| Conclusion：PASS | | | | | |

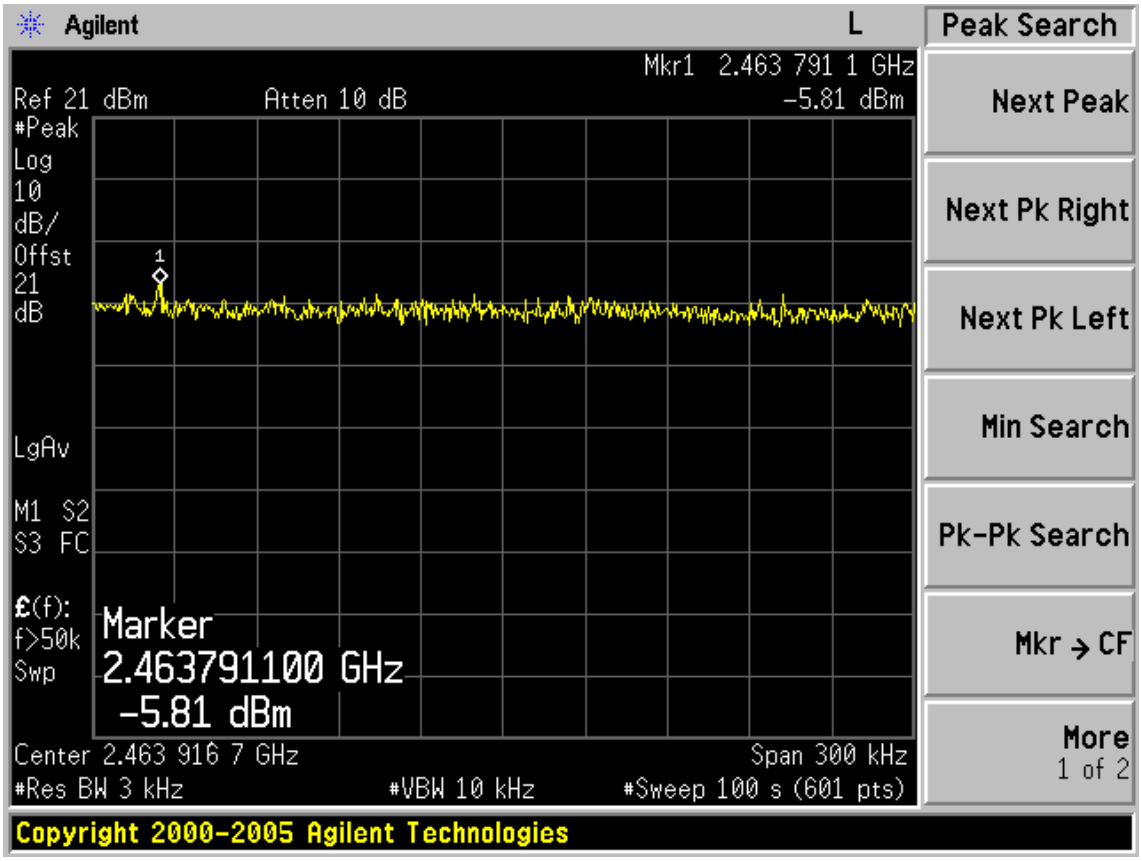
Chain 0
Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz



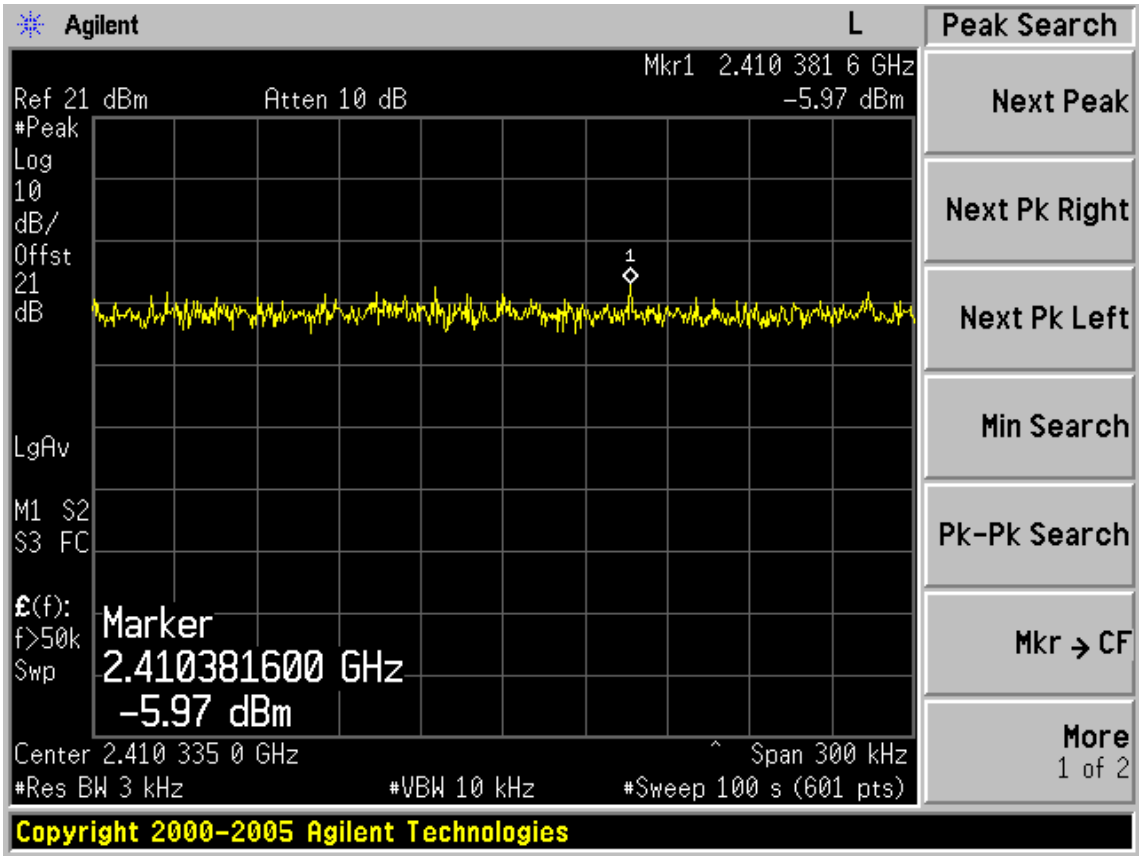

Test CH6: 2437MHz



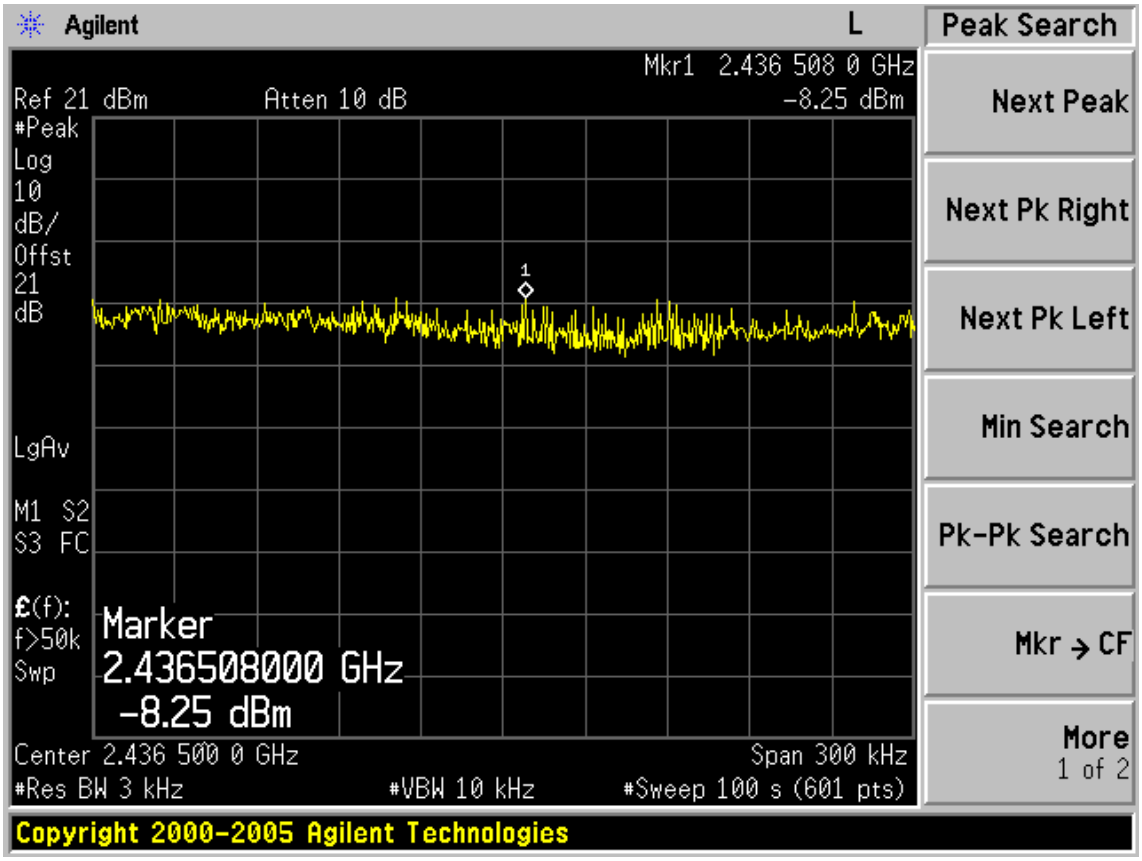
Test CH11: 2462MHz



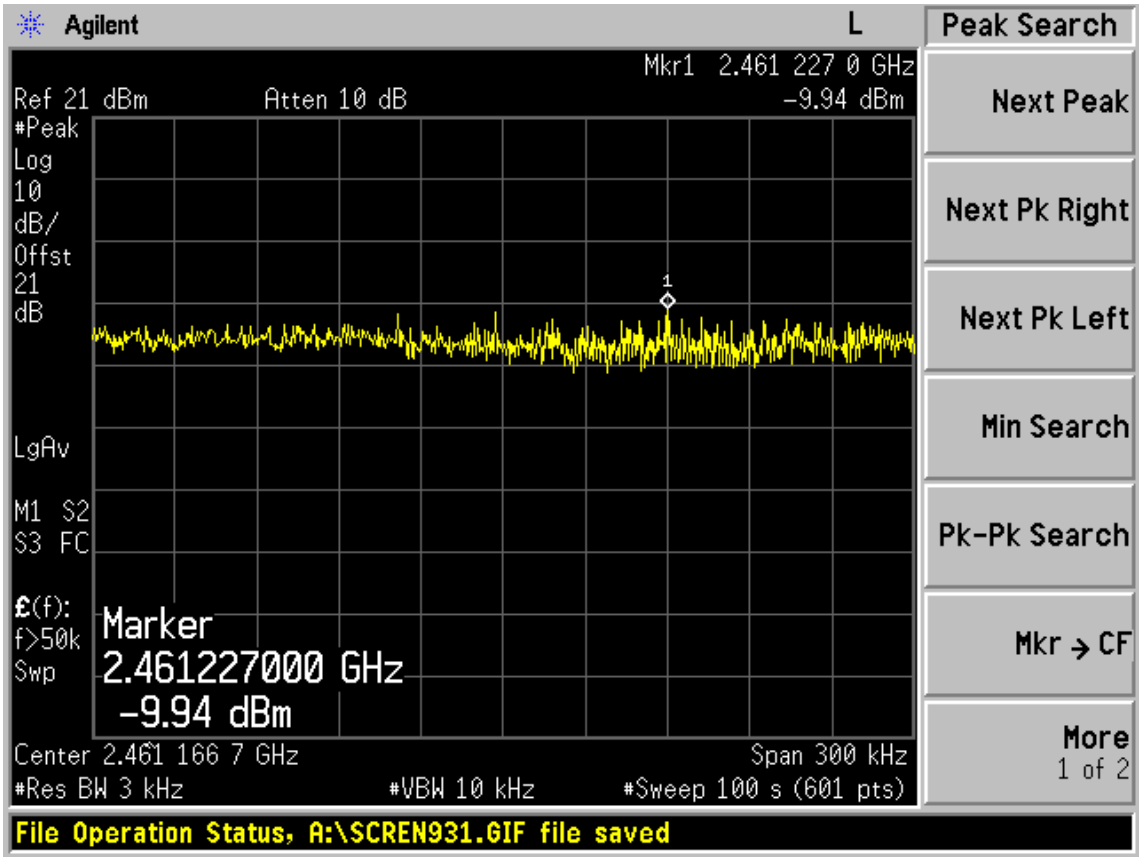

Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz



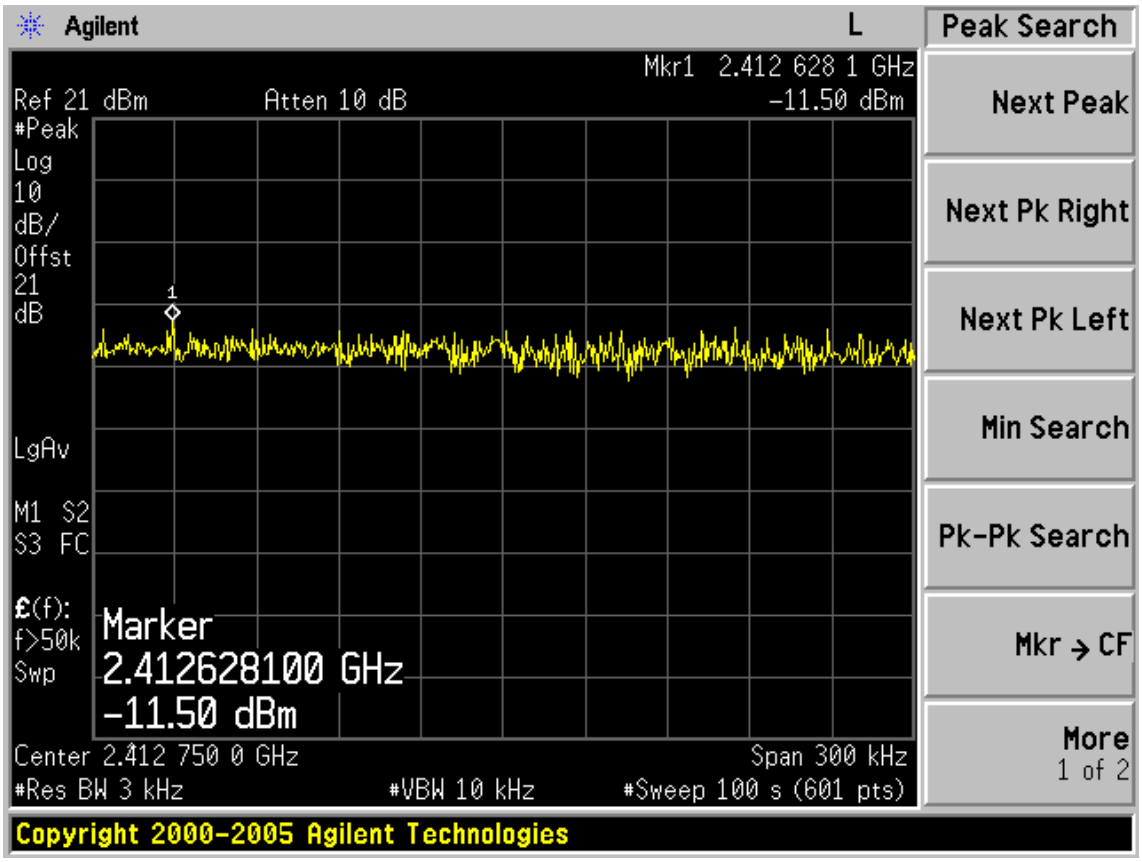
Test CH6: 2437MHz



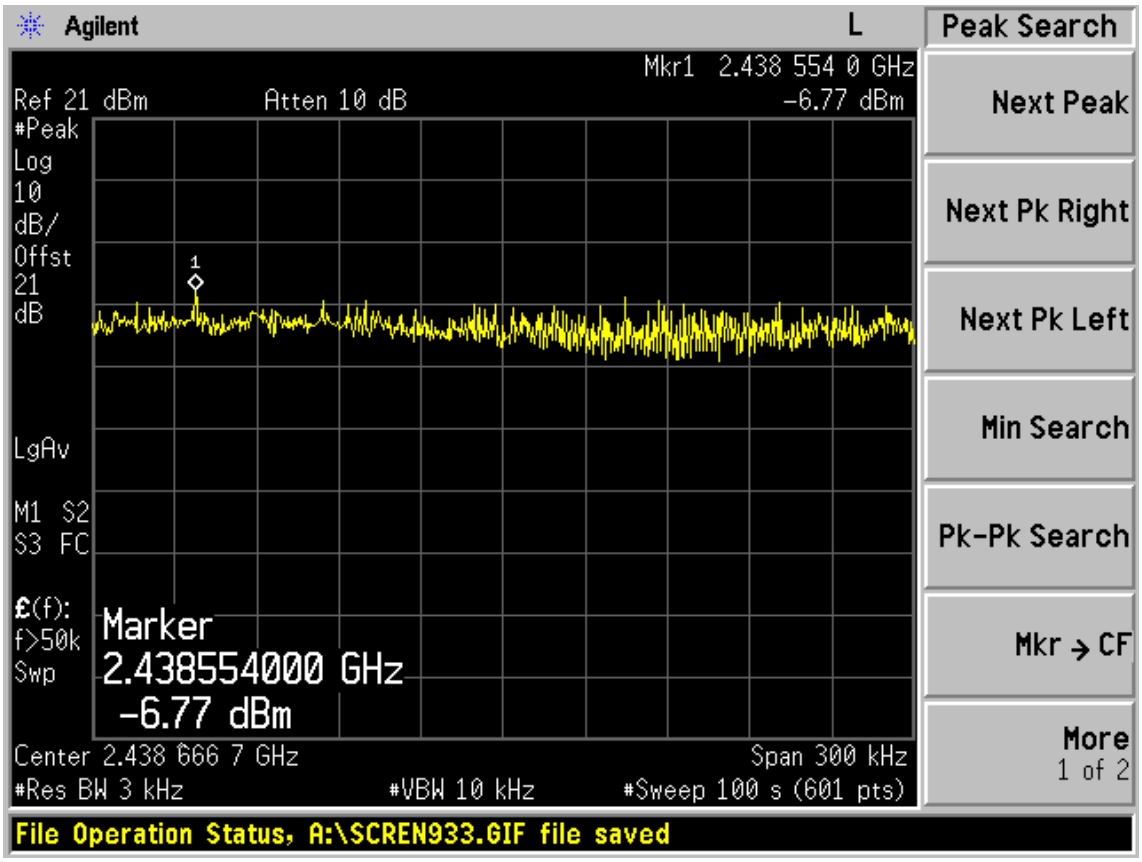

Test CH11: 2462MHz



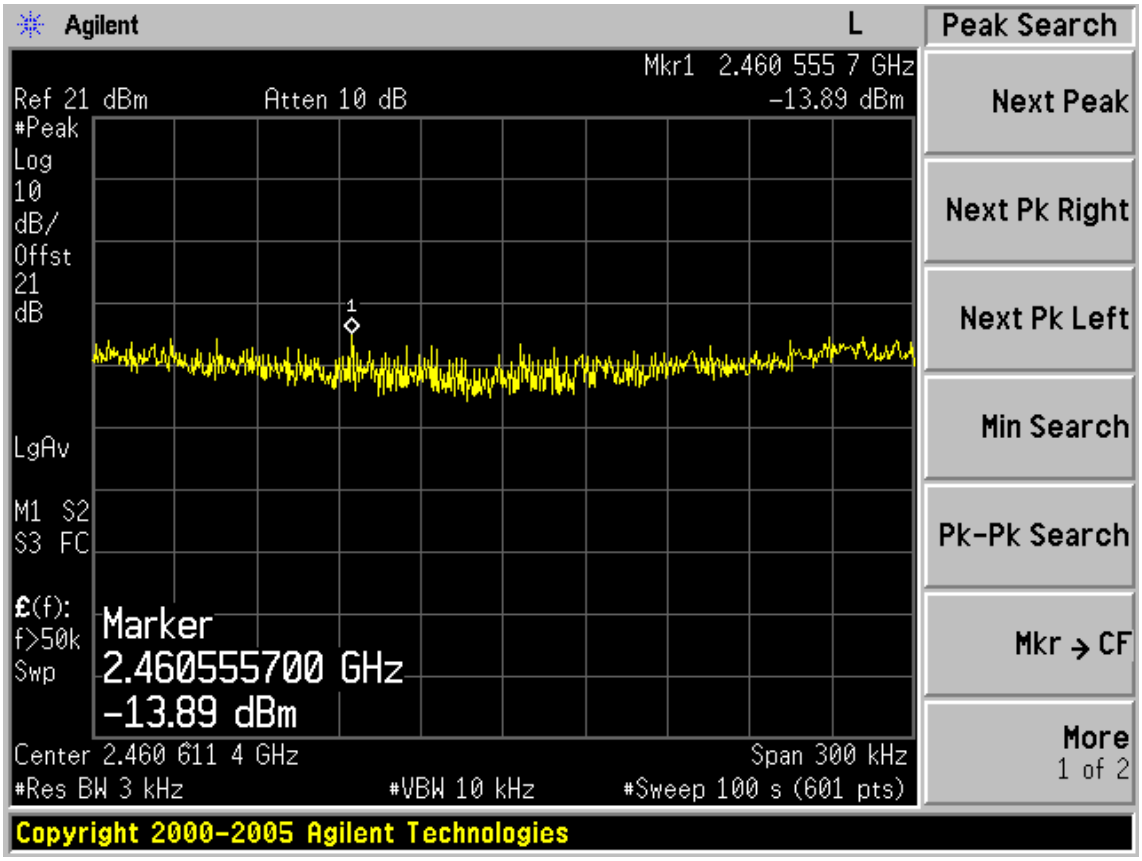
Test Mode: IEEE 802.11n HT20 TX
Test CH1: 2412MHz




Test CH6: 2437MHz

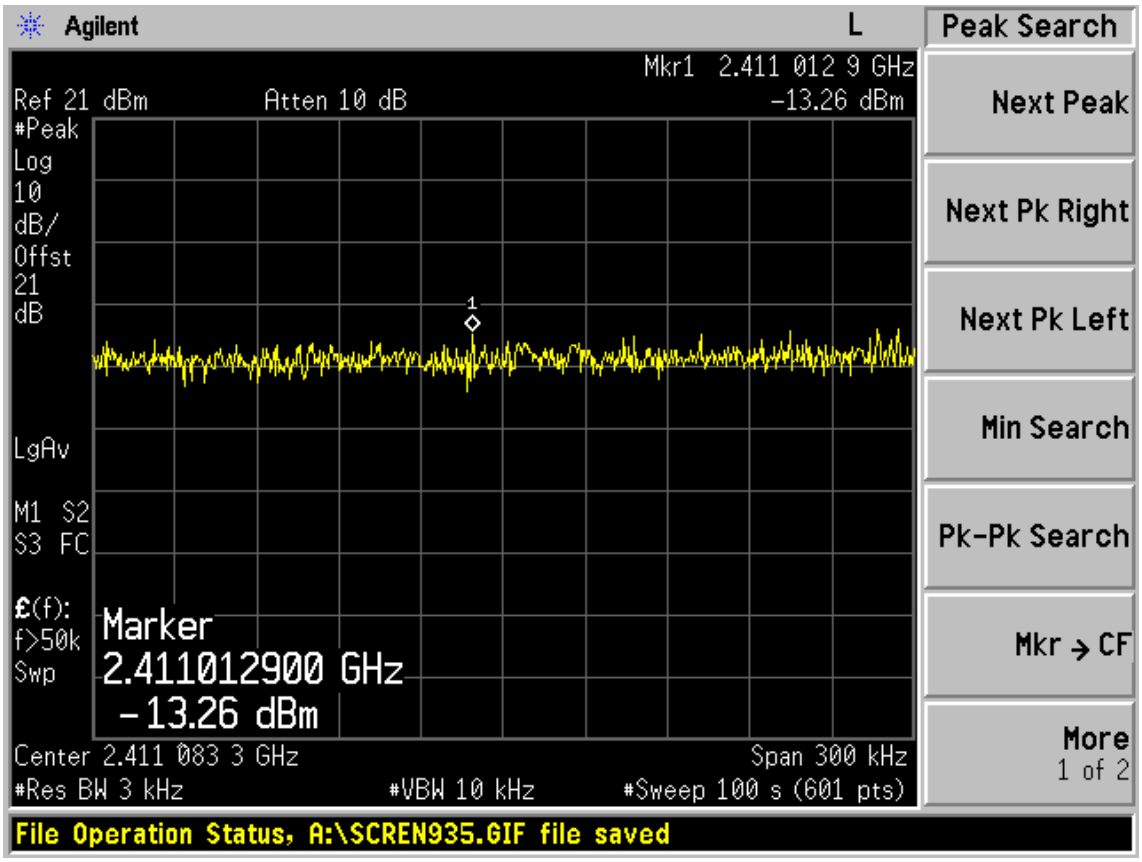


Test CH11: 2462MHz

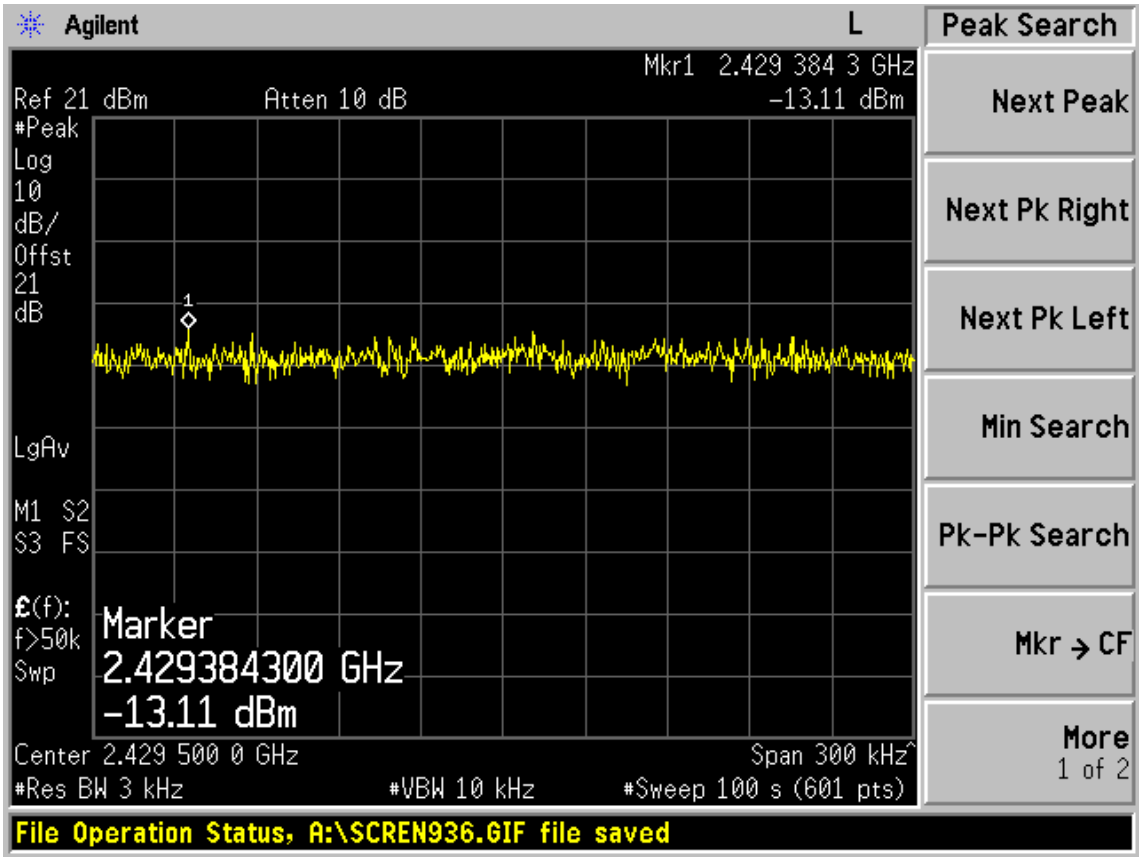



Test Mode: IEEE 802.11n HT40 TX

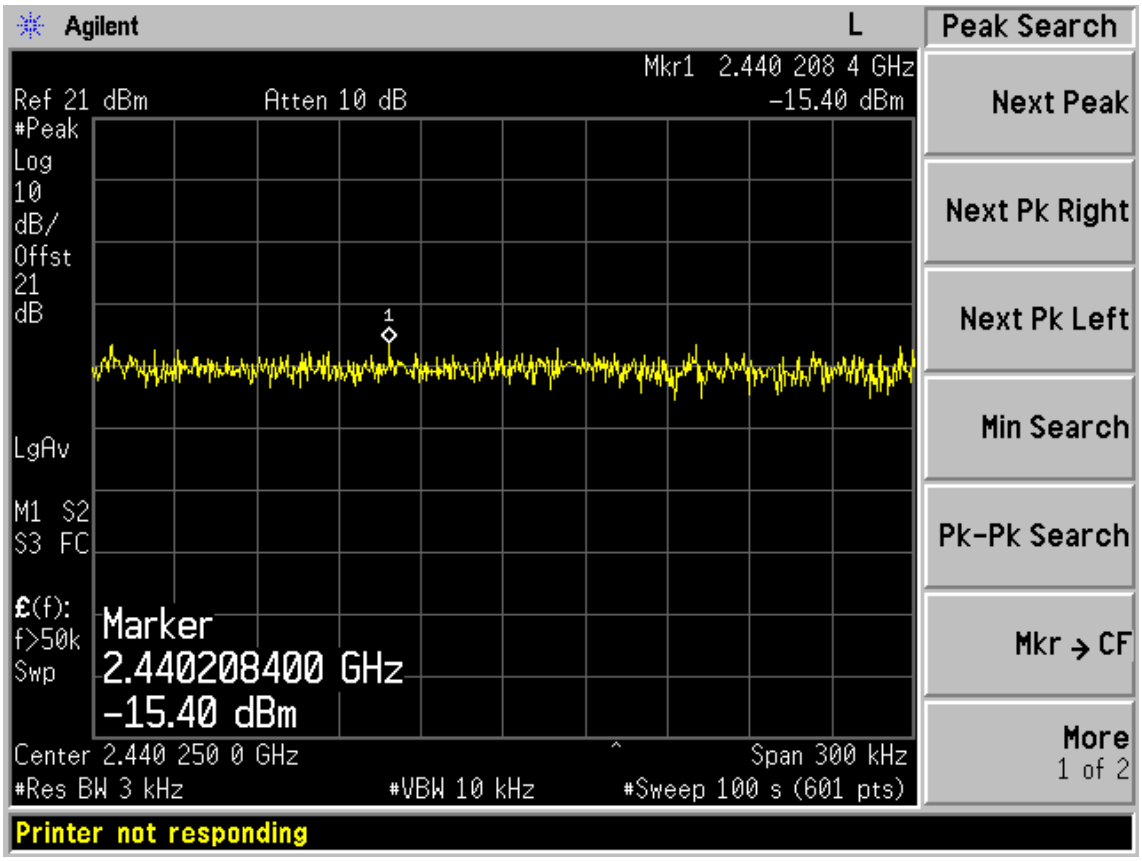
Test CH1: 2422MHz



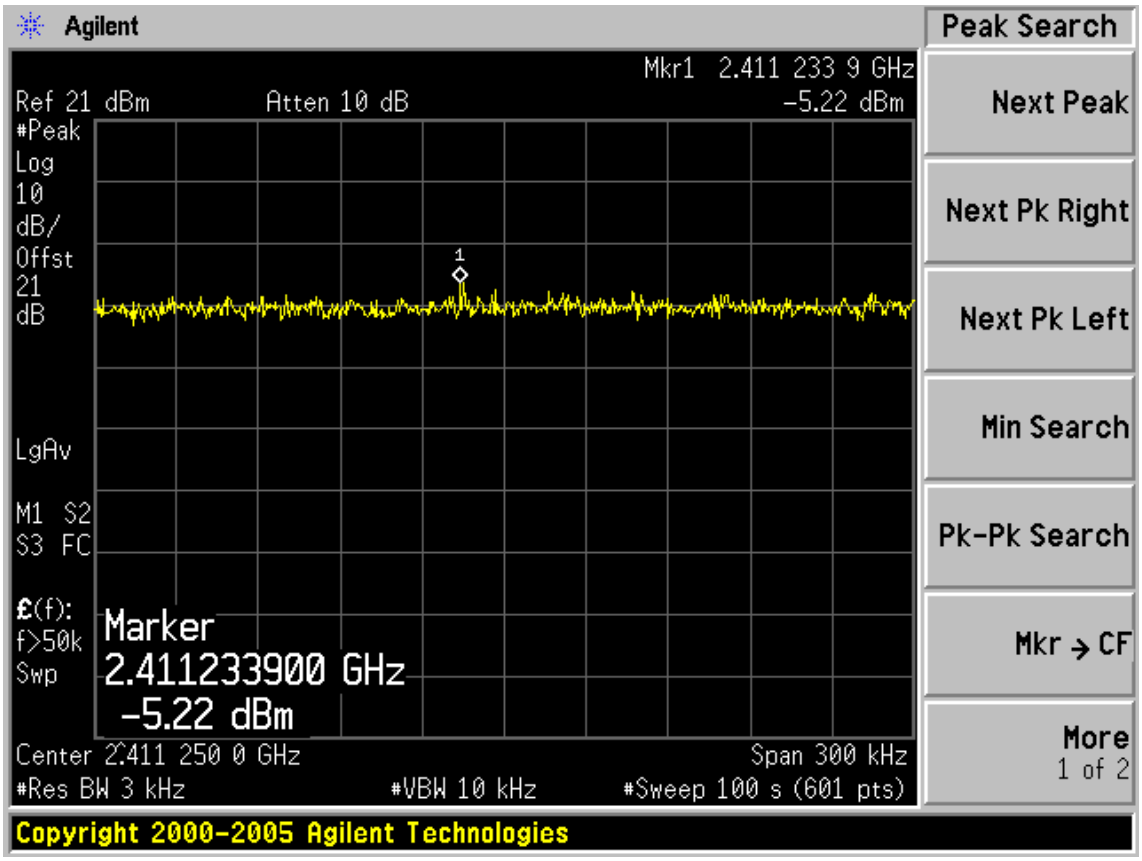
Test CH4: 2437MHz



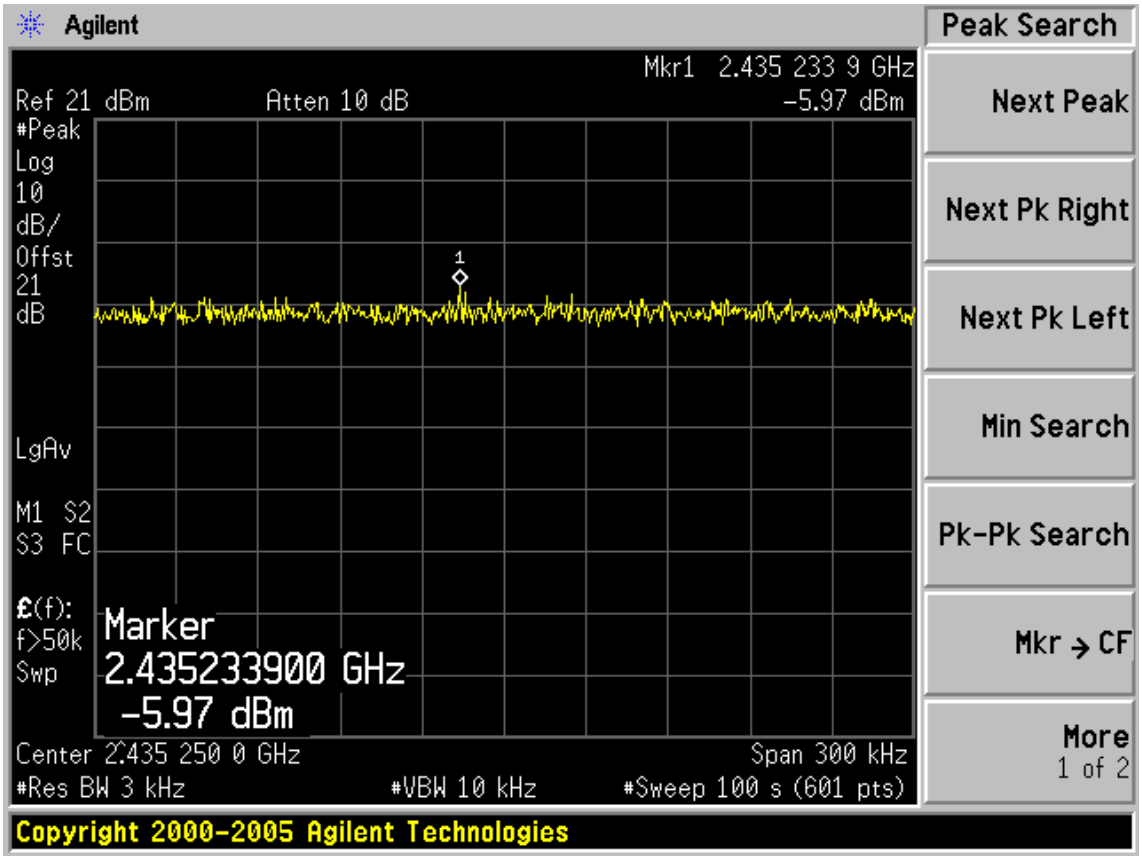

Test CH7: 2452MHz



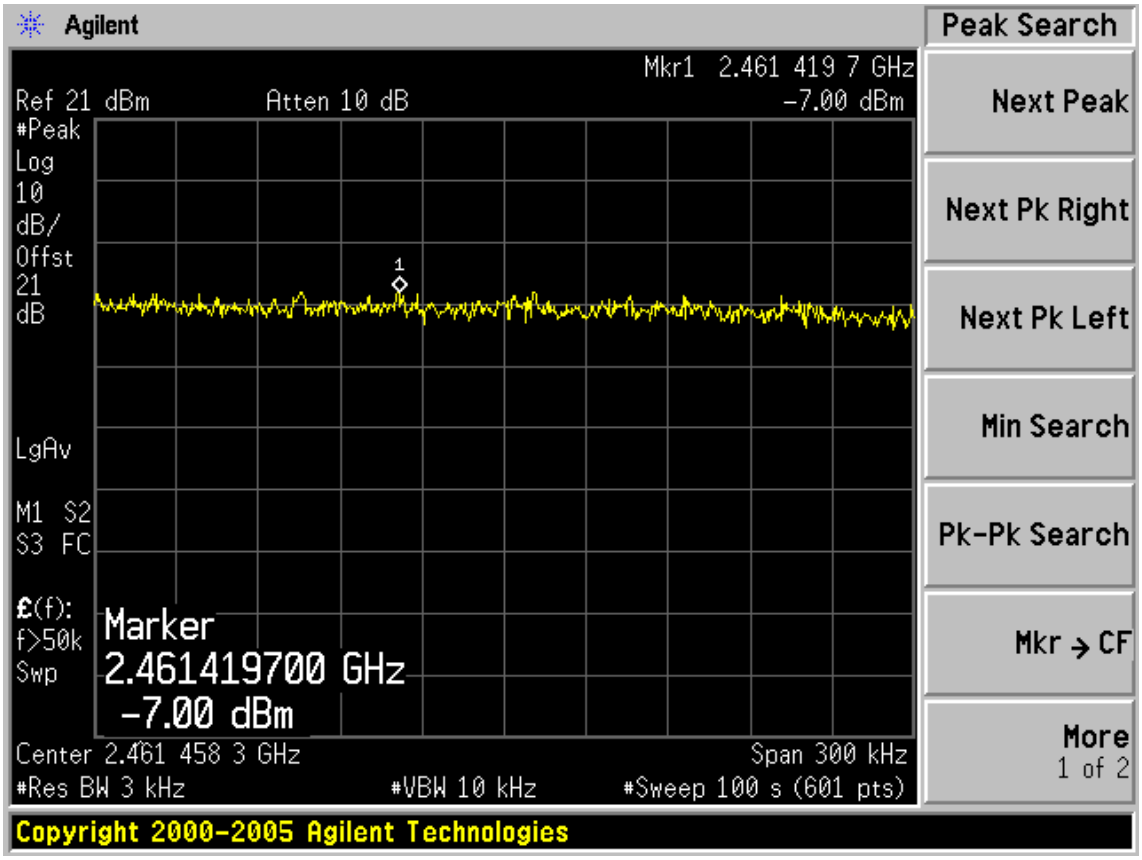
Chain 1
Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz



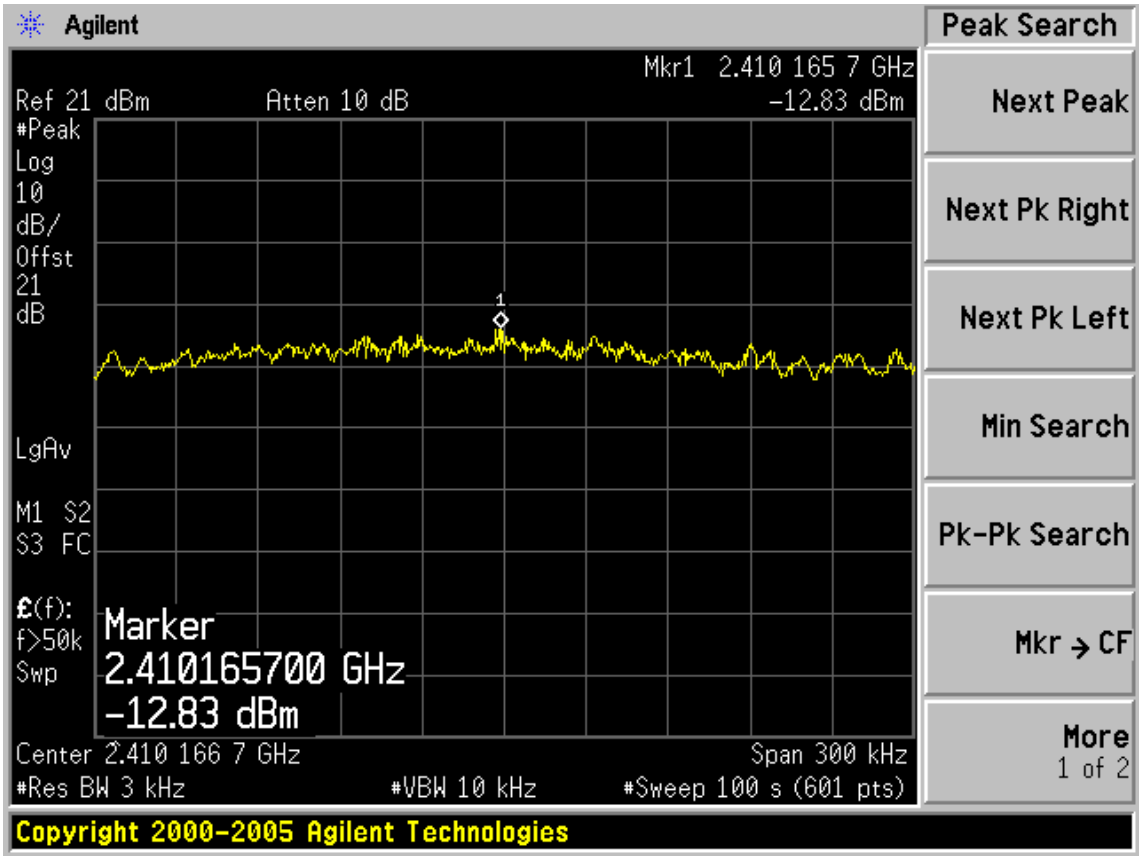

Test CH6: 2437MHz



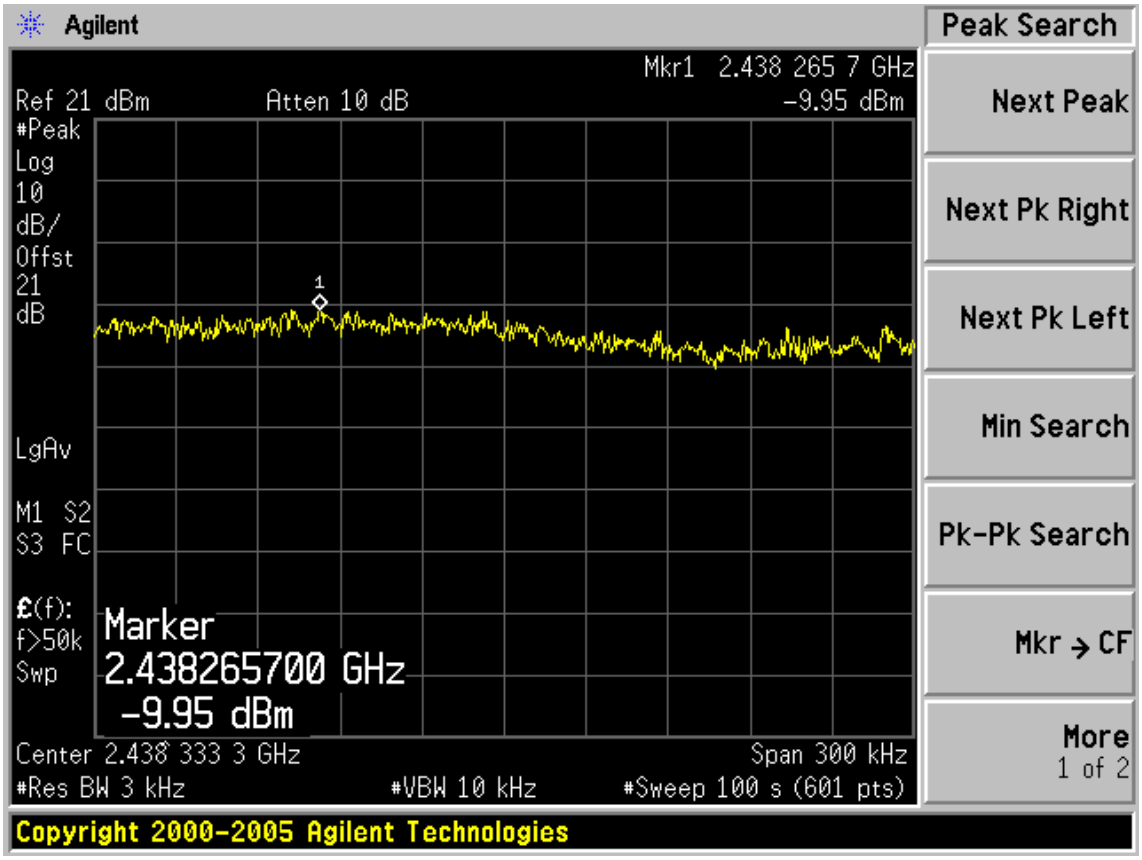
Test CH11: 2462MHz



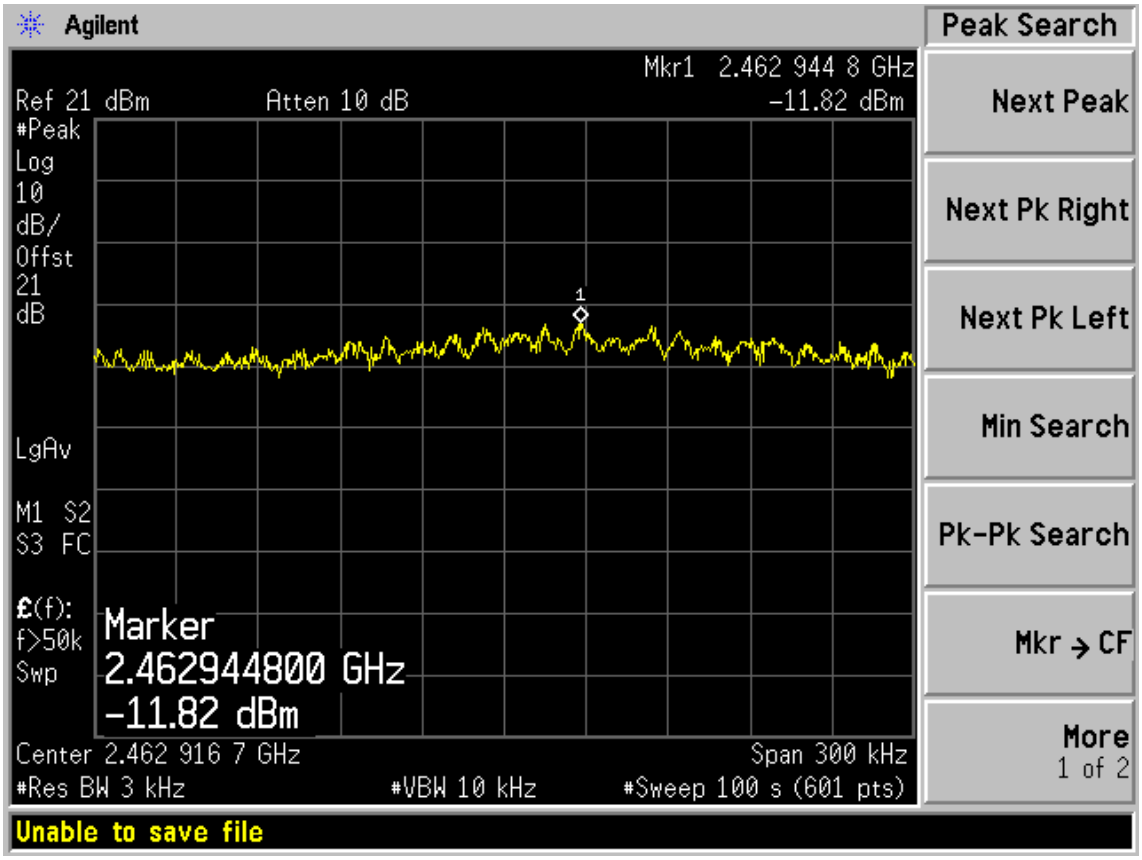

Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz



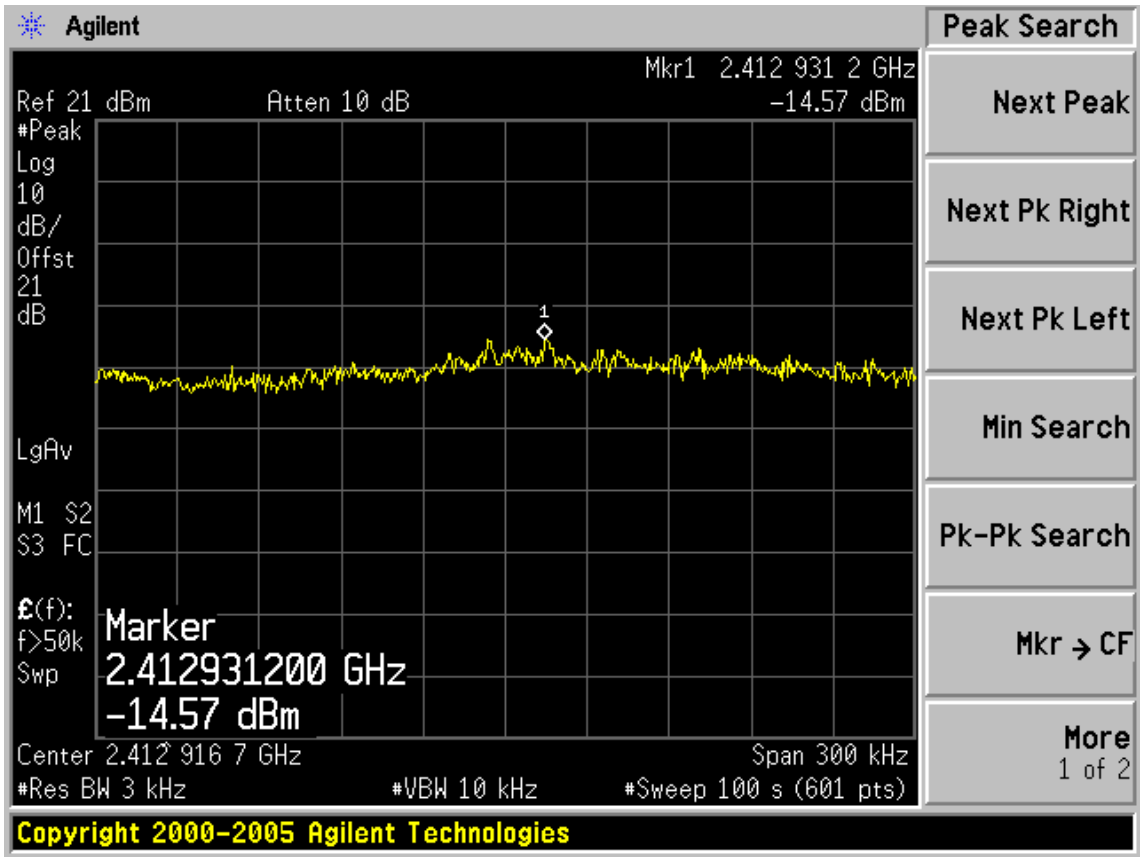
Test CH6: 2437MHz



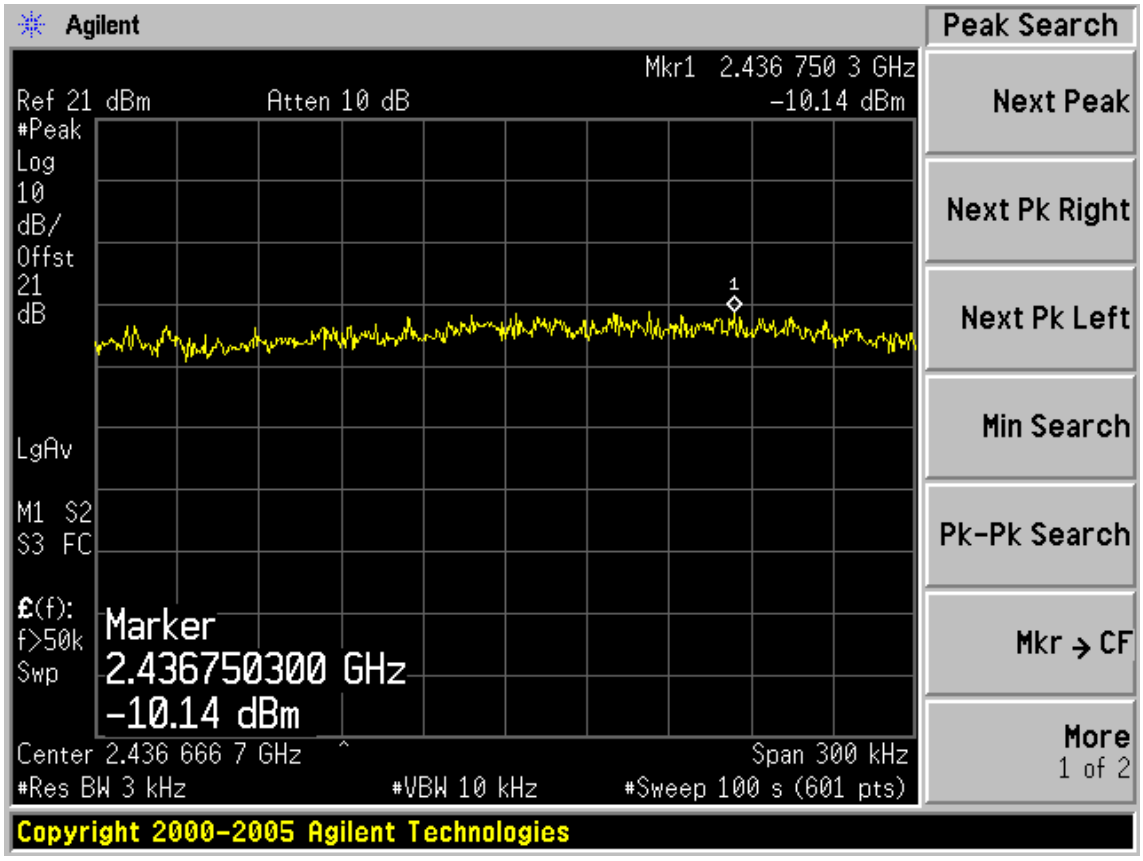

Test CH11: 2462MHz



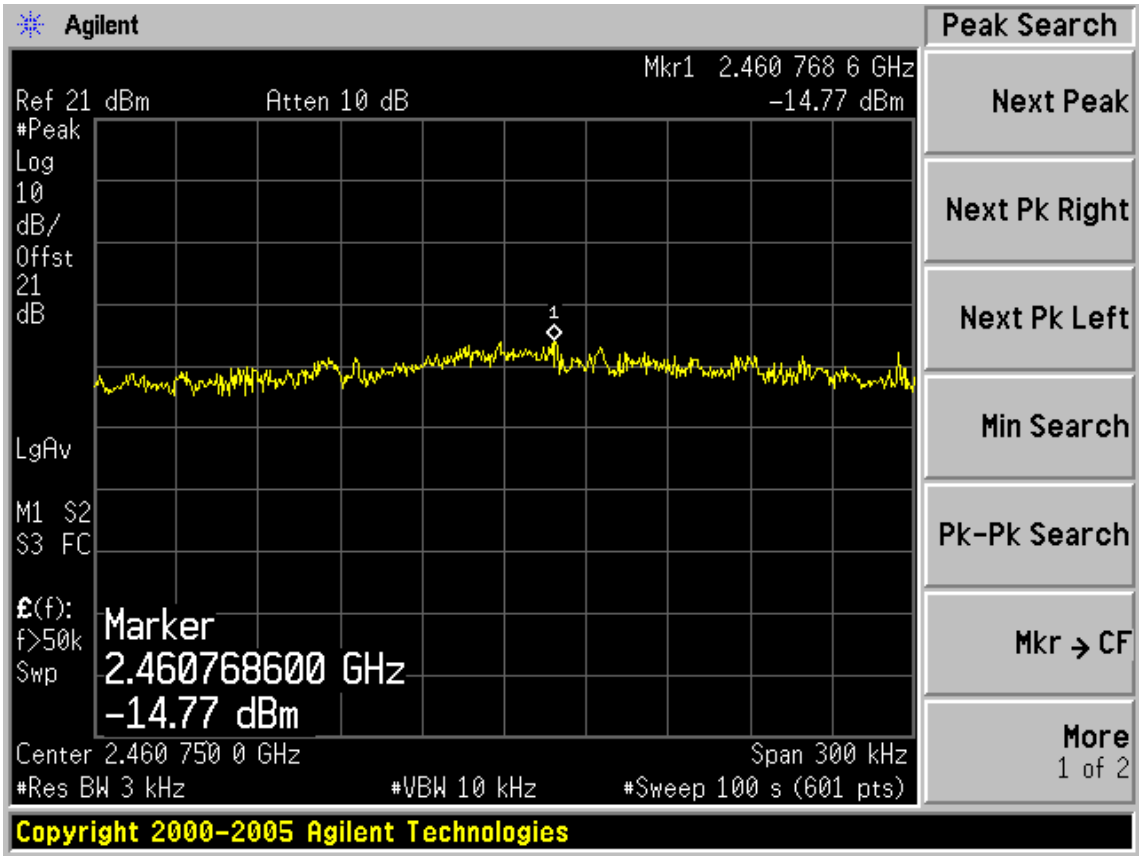
Test Mode: IEEE 802.11n HT20 TX
Test CH1: 2412MHz




Test CH6: 2437MHz

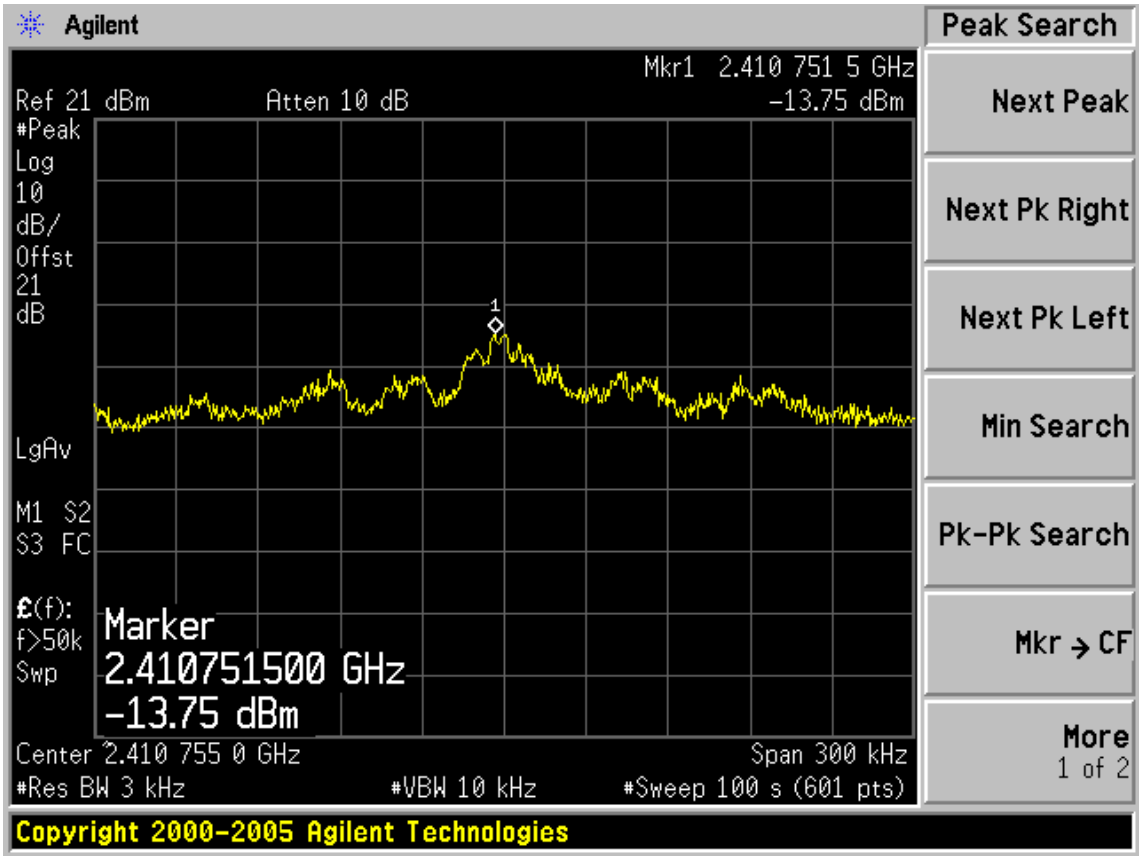


Test CH11: 2462MHz

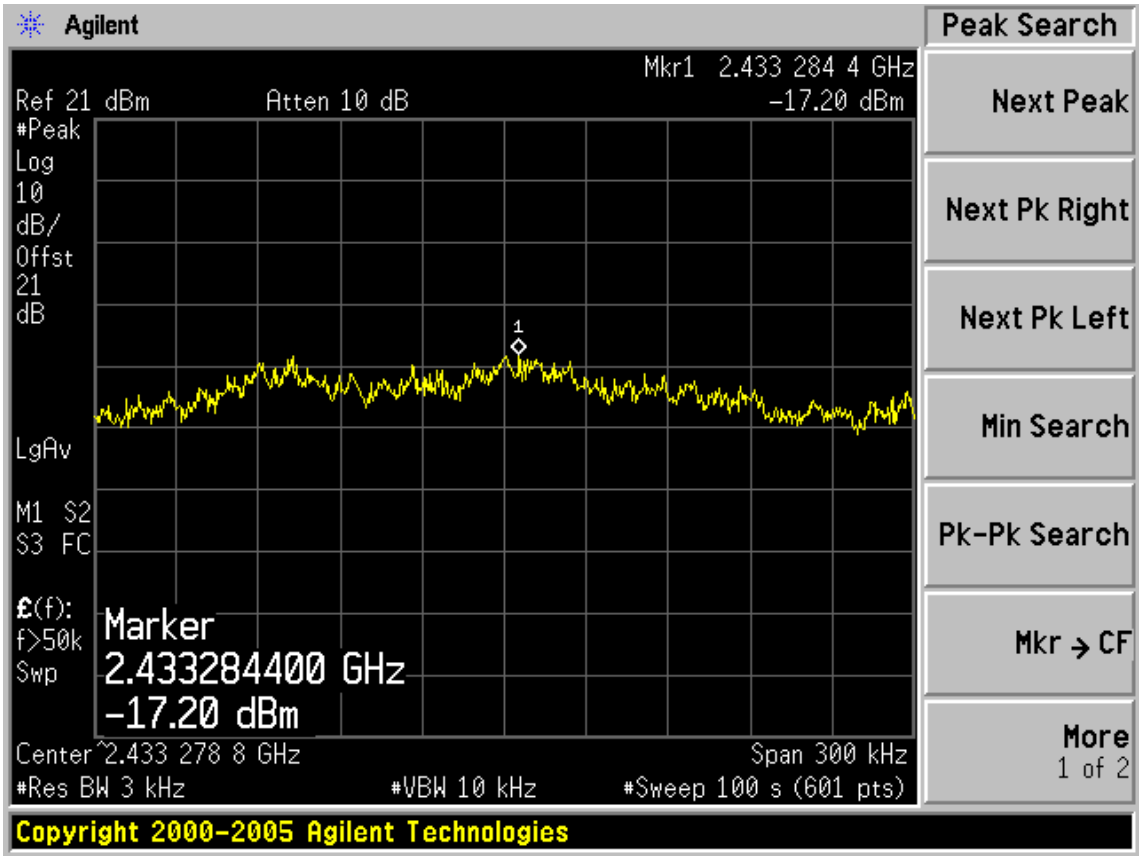



Test Mode: IEEE 802.11n HT40 TX

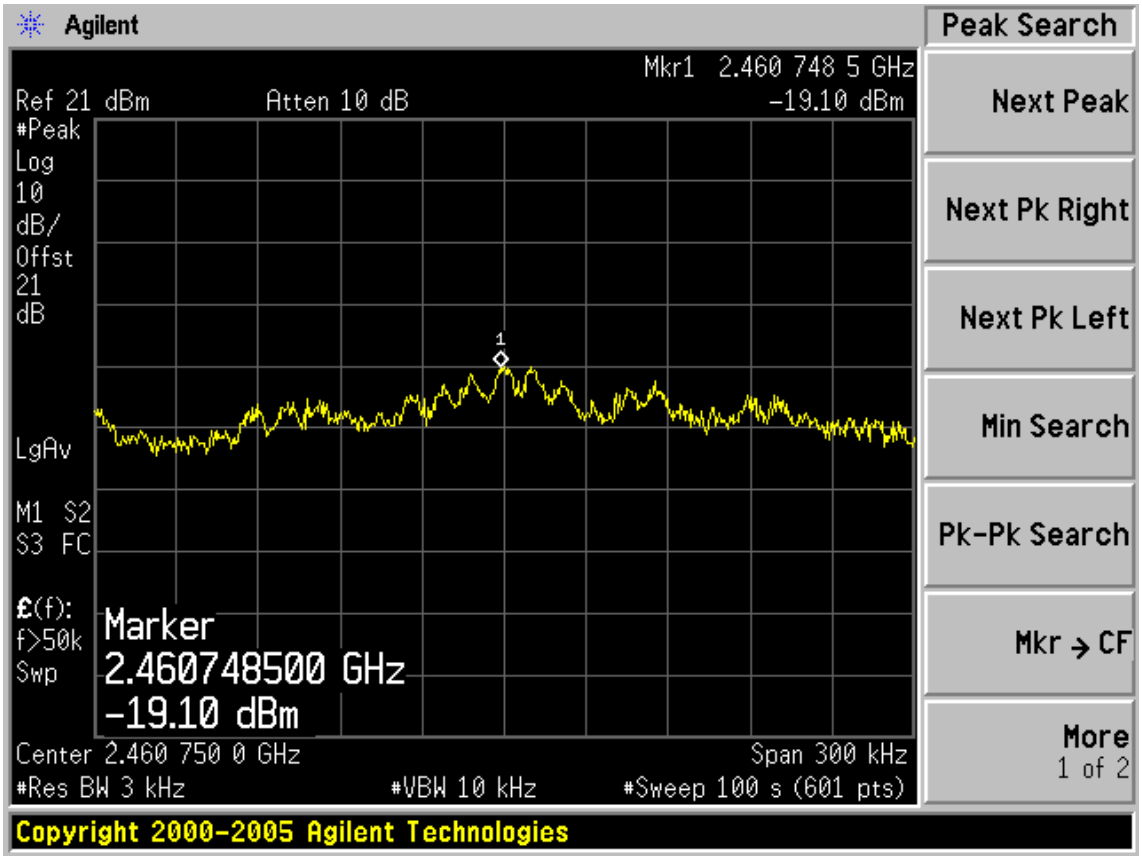
Test CH1: 2422MHz



Test CH4: 2437MHz




Test CH7: 2452MHz



# 10. ANTENNA REQUIREMENT

## 10.1. STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

## 10.2. ANTENNA CONNECTED CONSTRUCTION

The antennas used for this product are Dipole antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 5dBi.

# 11.MPE ESTIMATION

## 11.1.Limit for General Population/ Uncontrolled Exposures

| Frequency | **Power density (mW/ $cm^2$ )** | **Averaging time(minutes)** |
|---|---|---|
| 300MHz----1.5GHz | F/1500 | 30 |
| 1.5GHz---100GHz | 1.0 | 30 |

| Frequency(MHz) | **Power density (mW/ $cm^2$ )** | **Averaging time(minutes)** |
|---|---|---|
| 2412 | 1 | 30 |
| 2437 | 1 | 30 |
| 2462 | 1 | 30 |

Note: F= Frequency in MHz

## 11.2. Estimation Result

| EUT:Wireless N ADSL2+ 4-port Gateway | | |
|---|---|---|
| M/N: AMG1302-T10B | | |
| Test date:2013-07-29 | Pressure: 101.2±1. 0kpa | Humidity: 53.5±3. 0 % |
| Tested by:Leo-Li | Test site: RF site | Temperature:23.3±0. 6 ℃ |

| Cable loss: 1 dB | | Attenuator loss: 20 dB | | | | Type 1 Antenna Gain:5.0 dBi | |
|---|---|---|---|---|---|---|---|
| Test Mode | CH | Frequency（MHz） | Peak Output Power (dBm) | Output Power (mW) | Antenna Gain (dBi) | Antenna Gain (Linear) | MPE |
| 11b | CH1 | 2412 | 23.44 | 220.80 | 5 | 3.16 | 0.1390 |
| | CH6 | 2437 | 24.26 | 266.69 | 5 | 3.16 | 0.1679 |
| | CH11 | 2462 | 23.24 | 210.86 | 5 | 3.16 | 0.1327 |
| 11g | CH1 | 2412 | 24.69 | 294.44 | 5 | 3.16 | 0.1853 |
| | CH6 | 2437 | 25.44 | 349.95 | 5 | 3.16 | 0.2203 |
| | CH11 | 2462 | 24.36 | 272.90 | 5 | 3.16 | 0.1718 |
| 11n HT20 | CH1 | 2412 | 21.8 | 151.36 | 5 | 3.16 | 0.0953 |
| | CH6 | 2437 | 23.57 | 227.51 | 5 | 3.16 | 0.1432 |
| | CH11 | 2462 | 20.8 | 120.23 | 5 | 3.16 | 0.0757 |
| 11n HT40 | CH1 | 2422 | 21.17 | 130.92 | 5 | 3.16 | 0.0824 |
| | CH4 | 2437 | 22.71 | 186.64 | 5 | 3.16 | 0.1175 |
| | CH7 | 2452 | 20.39 | 109.40 | 5 | 3.16 | 0.0689 |

# 12.DEVIATION TO TEST SPECIFICATIONS

[ NONE]