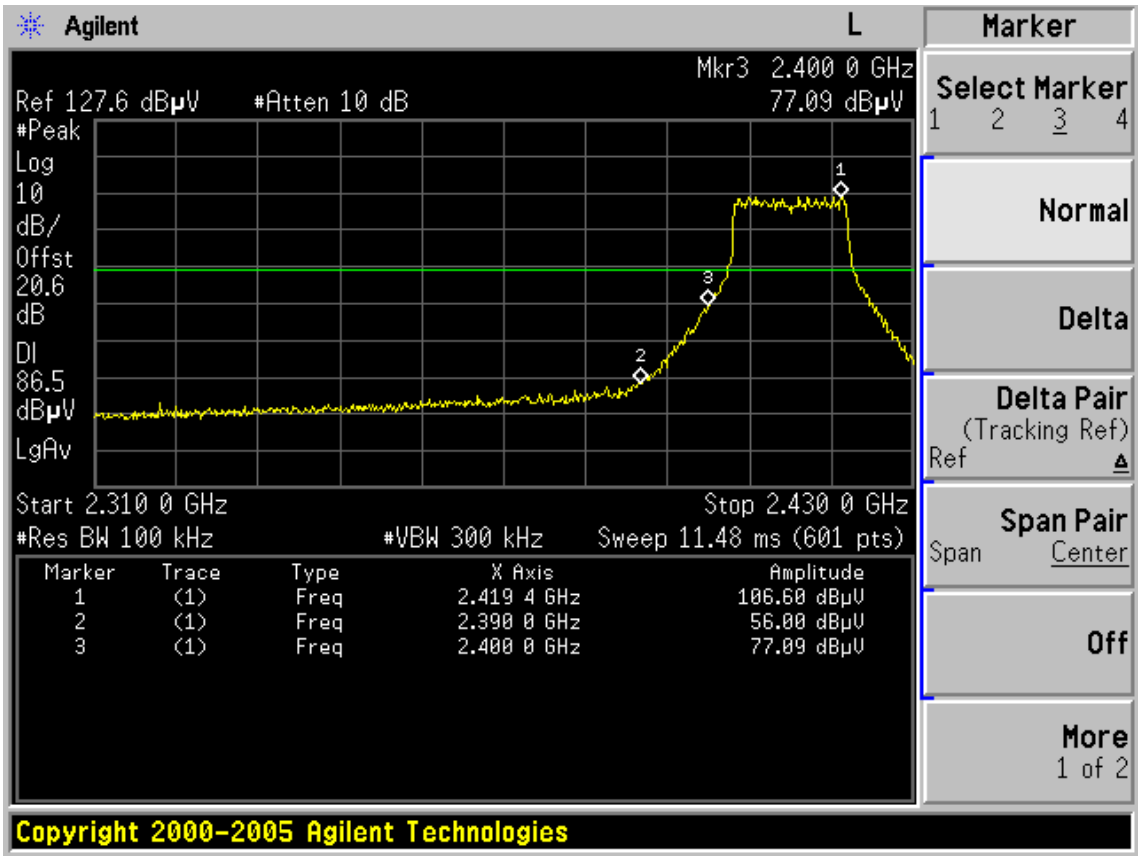
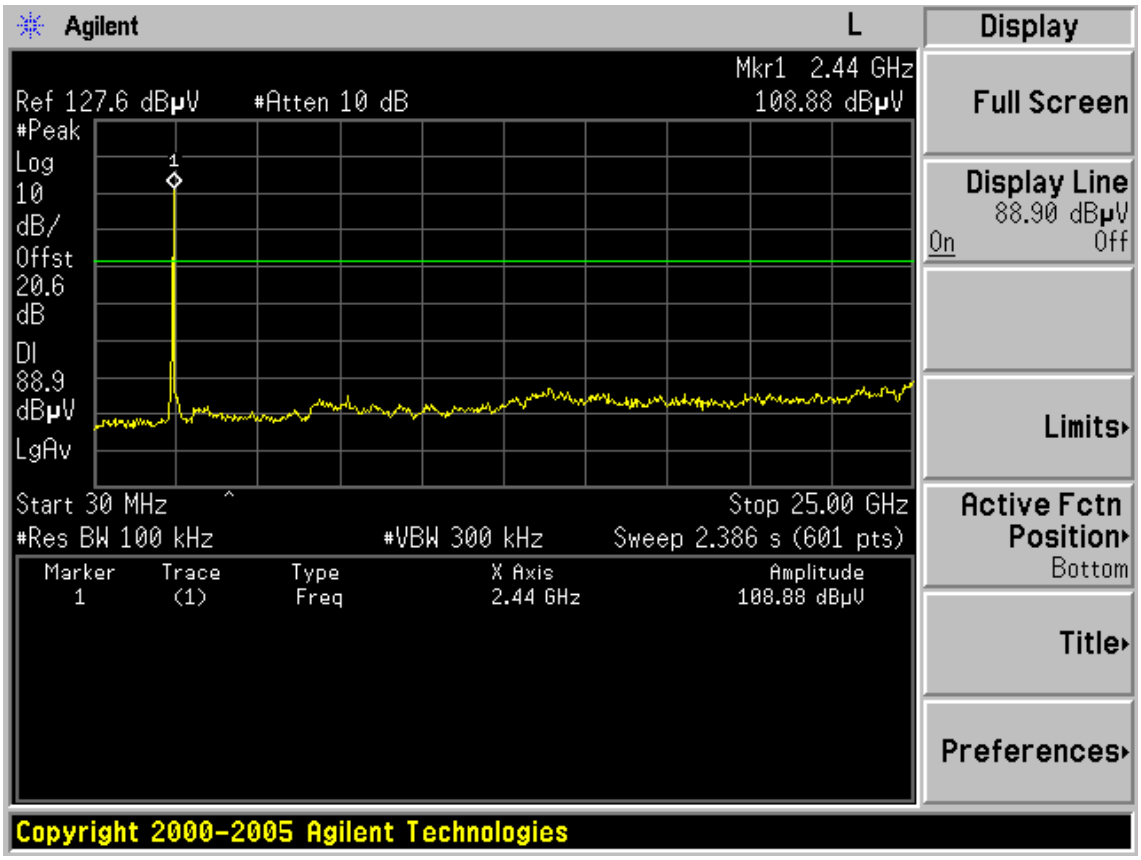
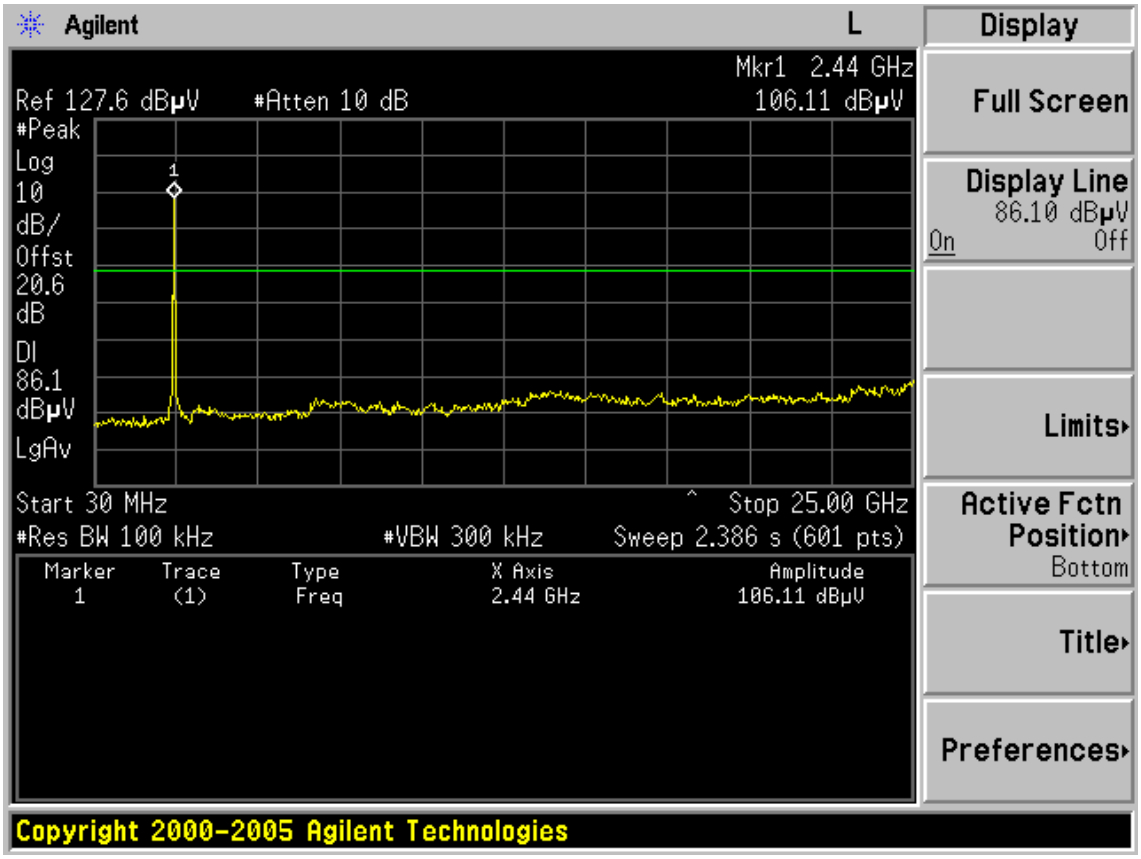
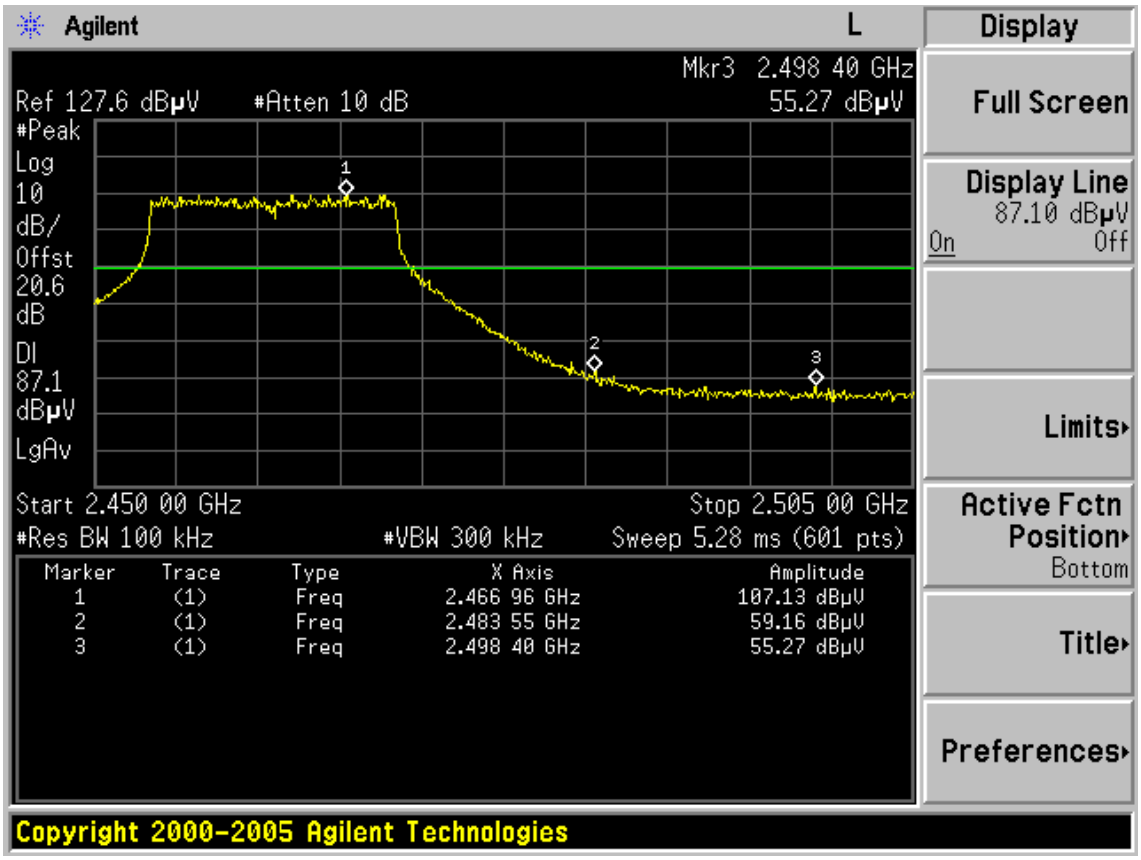

Agilent
L
Marker
Mkr3 2.400 0 GHz
77.09 dBµV
Ref 127.6 dBµV
#Atten 10 dB
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
86.5
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.310 0 GHz
Stop 2.430 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 11.48 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.419 4 GHz 106.60 dBµV
2 (1) Freq 2.390 0 GHz 56.00 dBµV
3 (1) Freq 2.400 0 GHz 77.09 dBµV
Copyright 2000-2005 Agilent Technologies

Test CH6

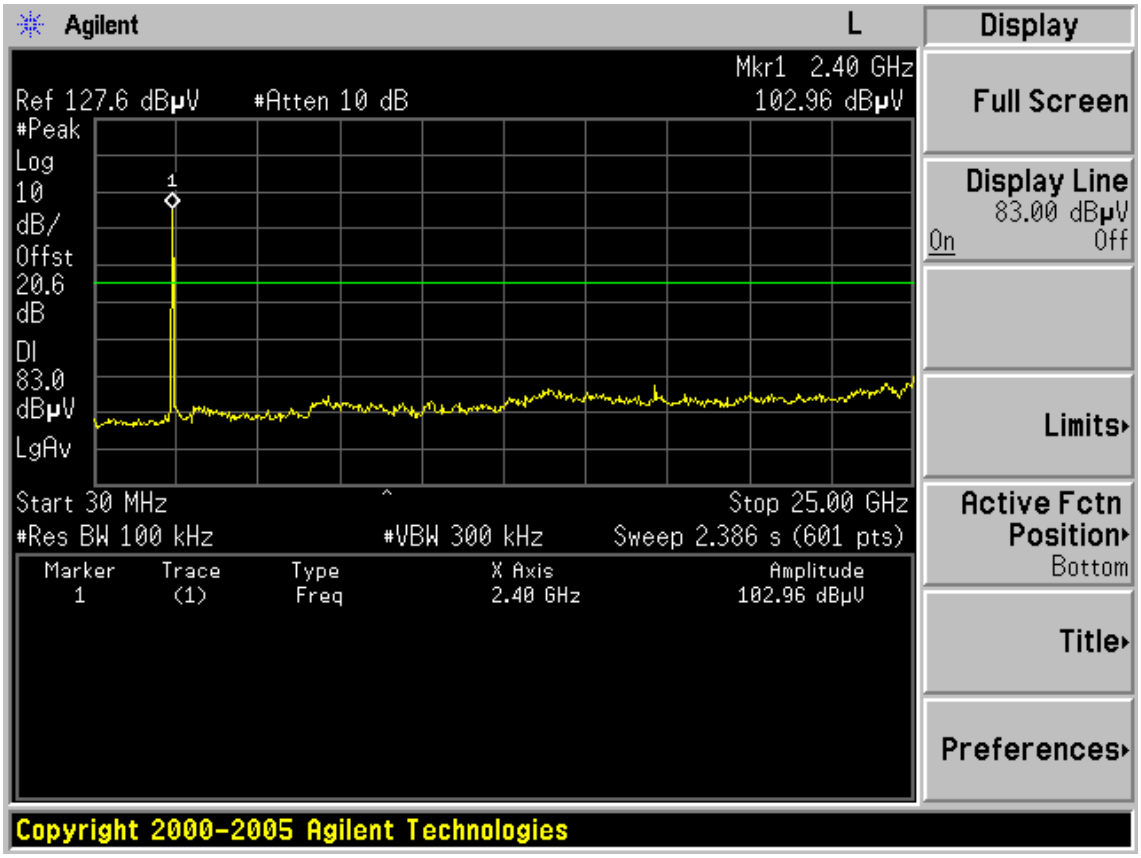

Agilent
L
Display
Mkr1 2.44 GHz
108.88 dBµV
Ref 127.6 dBµV
#Atten 10 dB
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
88.9
dBµV
LgAv
Full Screen
Display Line
88.90 dBµV
On Off
Limits
Active Fctn
Position
Bottom
Title
Preferences
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 108.88 dBµV
Copyright 2000-2005 Agilent Technologies

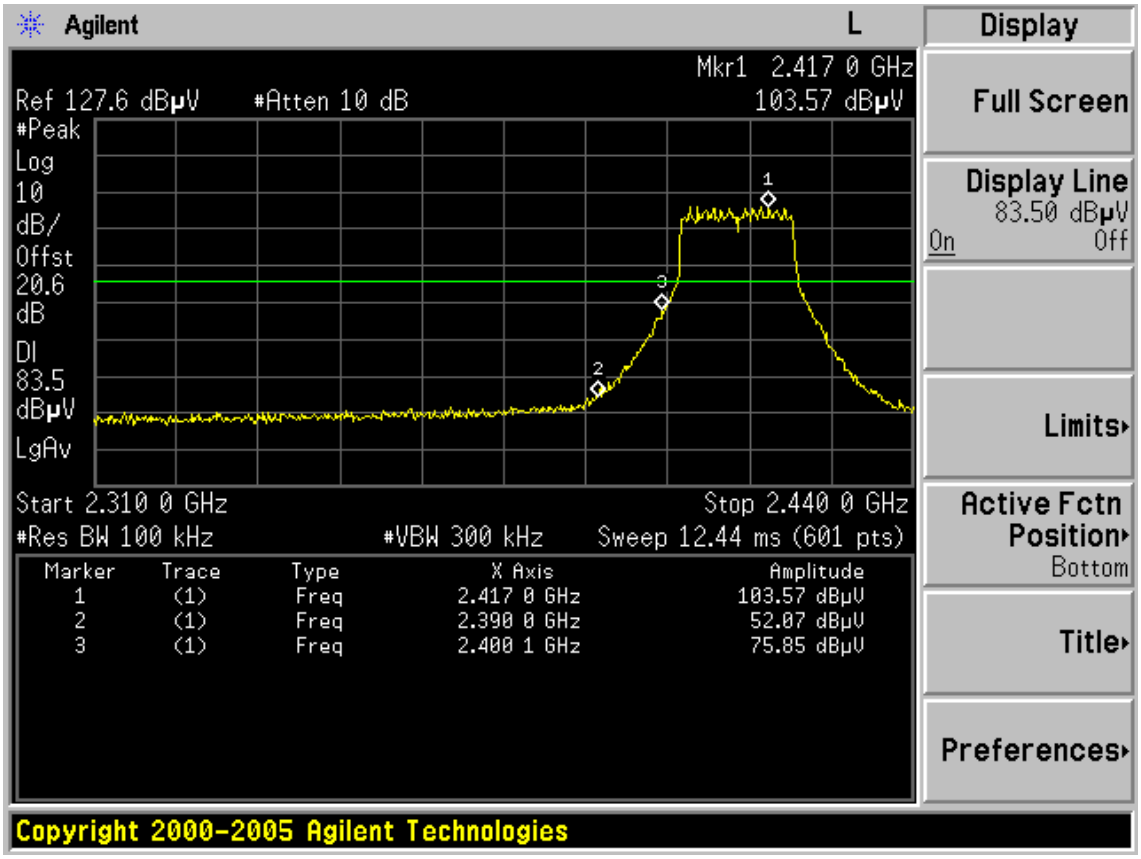
Test CH11


Agilent
L
Display
Mkr1 2.44 GHz
Ref 127.6 dBµV
#Atten 10 dB
106.11 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
86.1
dBµV
LgAv
Full Screen
Display Line
86.10 dBµV
On
Off
Limits
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 106.11 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

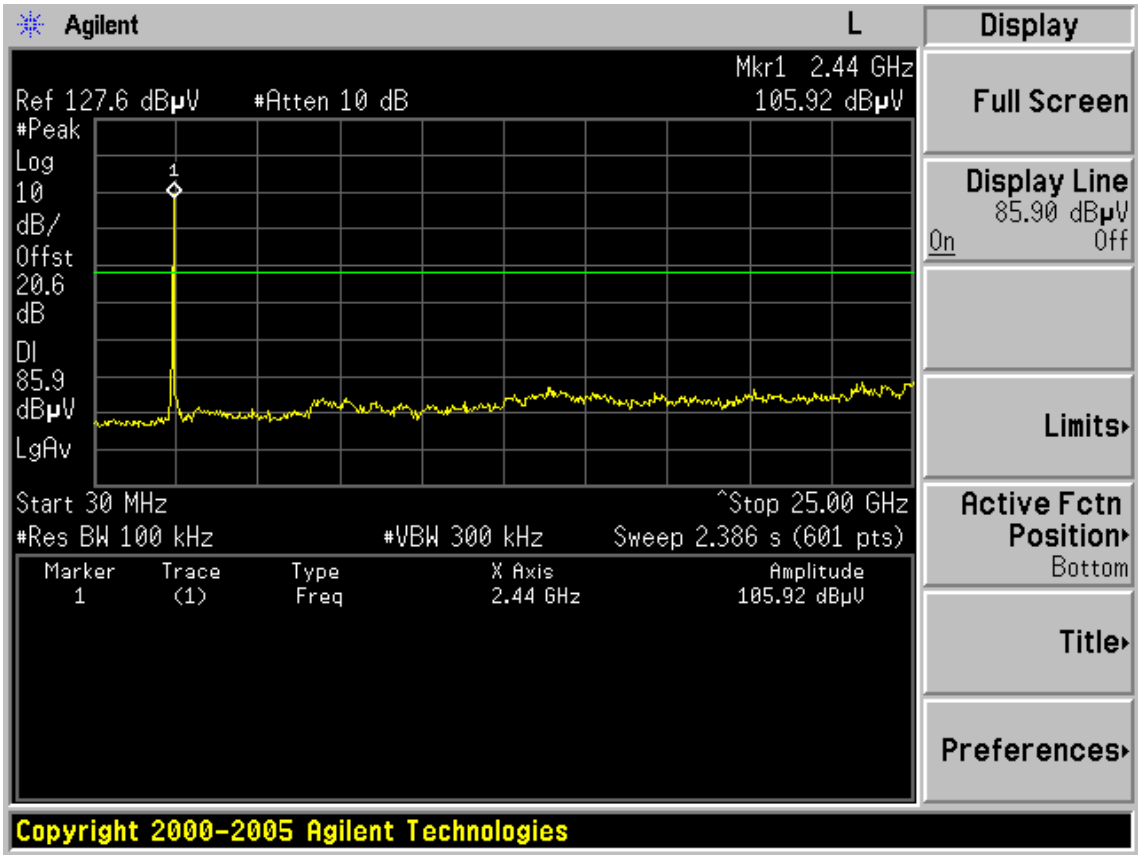

Agilent
L
Display
Mkr3 2.498 40 GHz
Ref 127.6 dBµV
#Atten 10 dB
55.27 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
87.1
dBµV
LgAv
Full Screen
Display Line
87.10 dBµV
On
Off
Limits
Start 2.450 00 GHz
Stop 2.505 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 5.28 ms (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.466 96 GHz 107.13 dBµV
2 (1) Freq 2.483 55 GHz 59.16 dBµV
3 (1) Freq 2.498 40 GHz 55.27 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

Test Mode: IEEE 802.11n HT20 TX
Test CH1

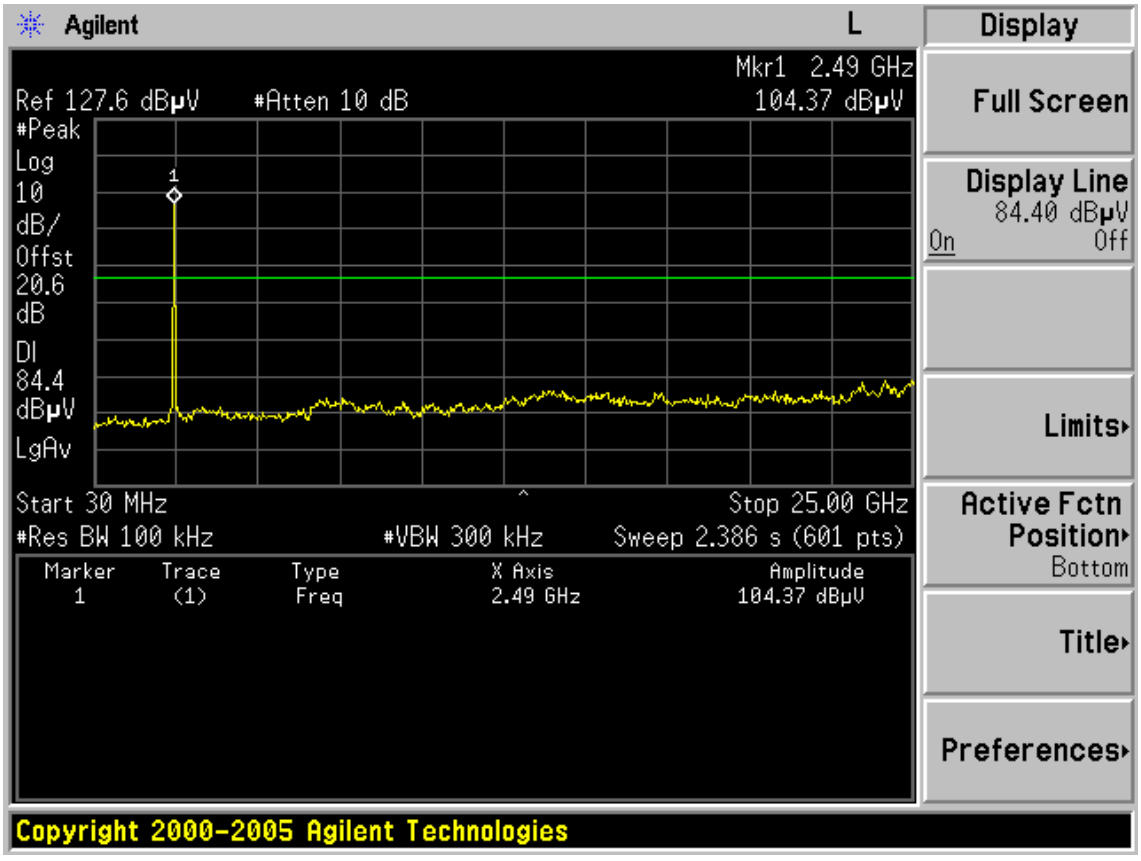


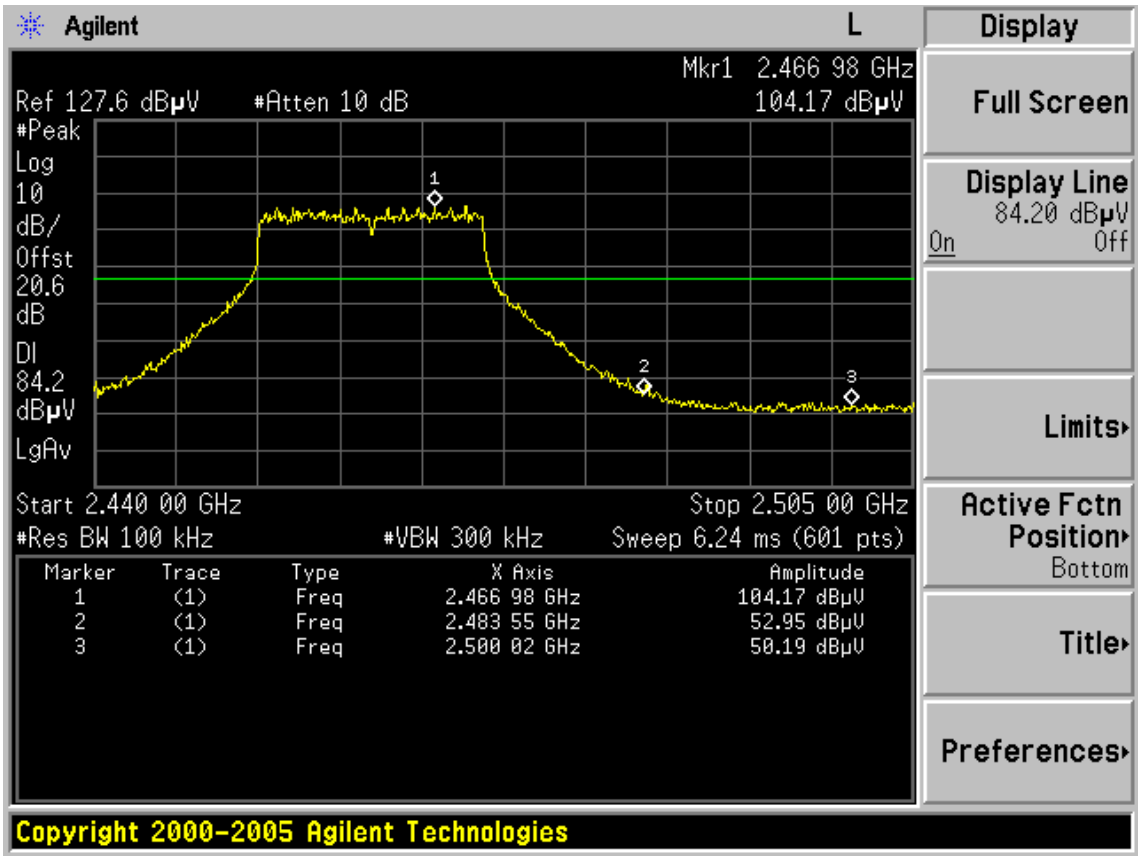


Test CH6

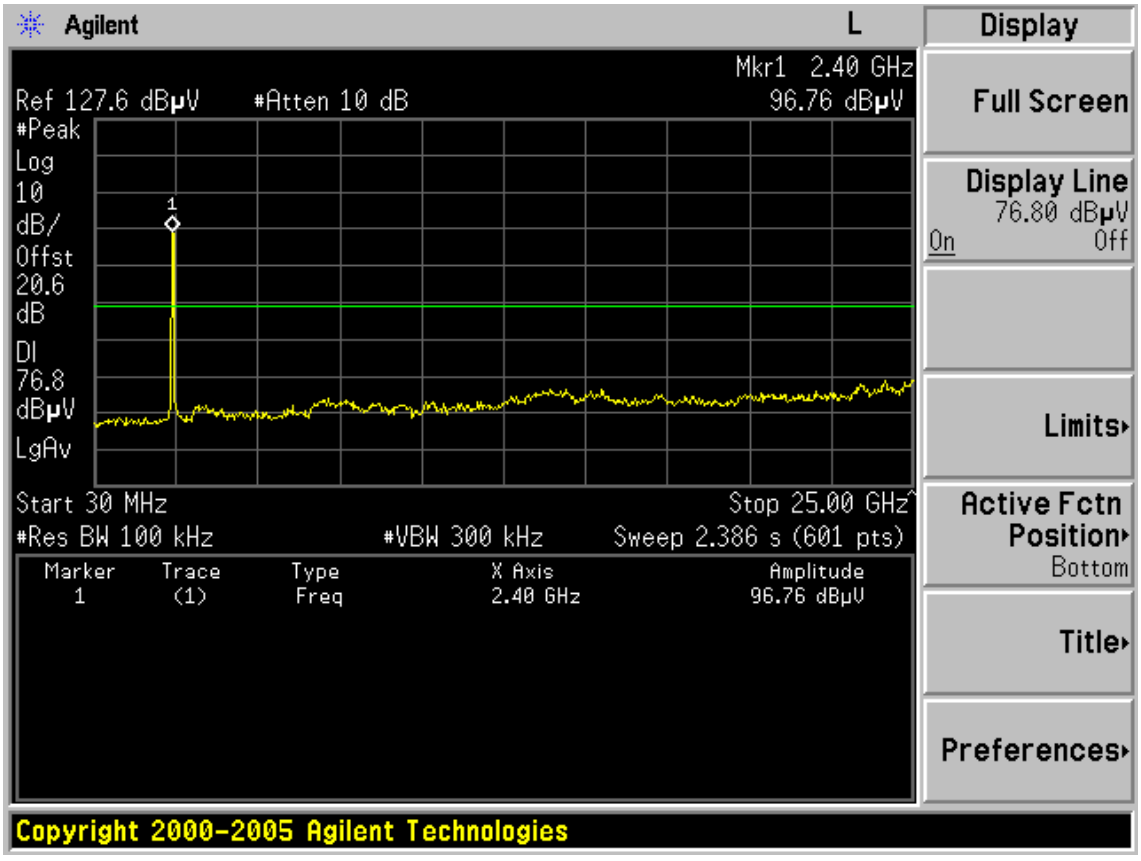


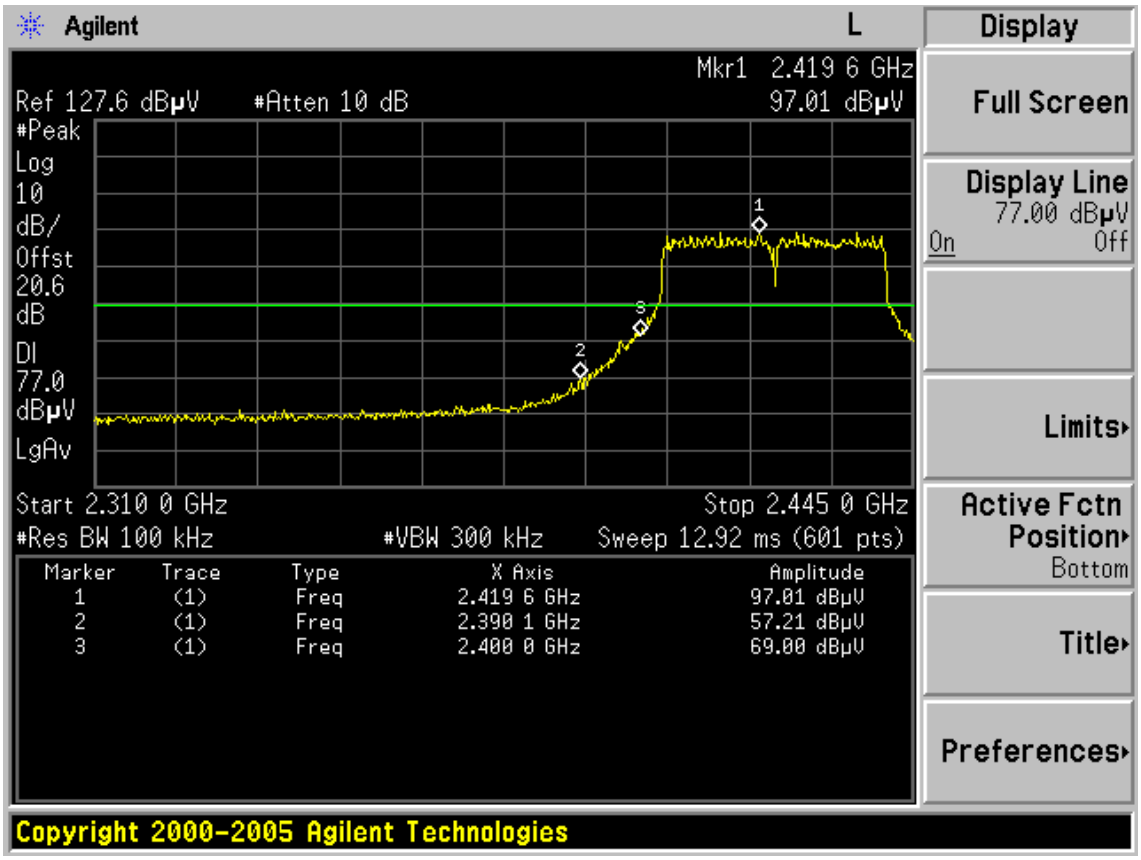
Test CH11



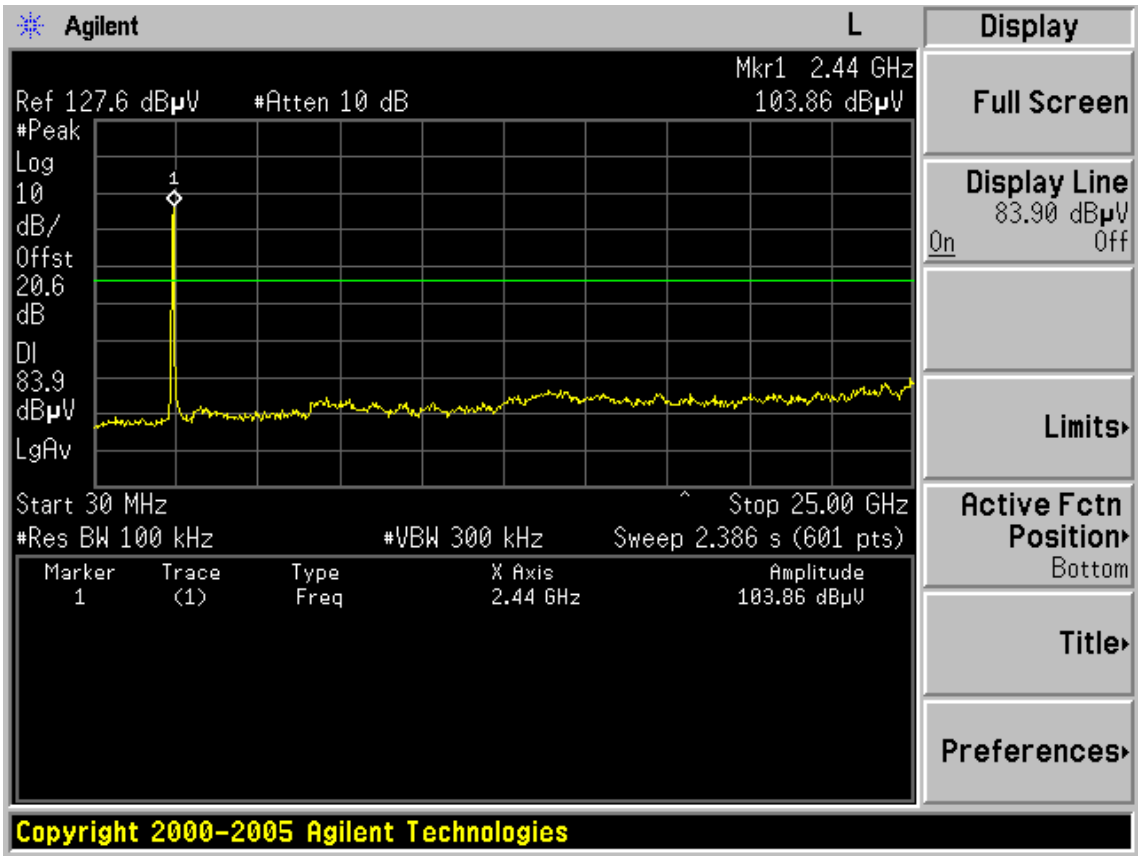


Test Mode: IEEE 802.11n HT40 TX
Test CH1

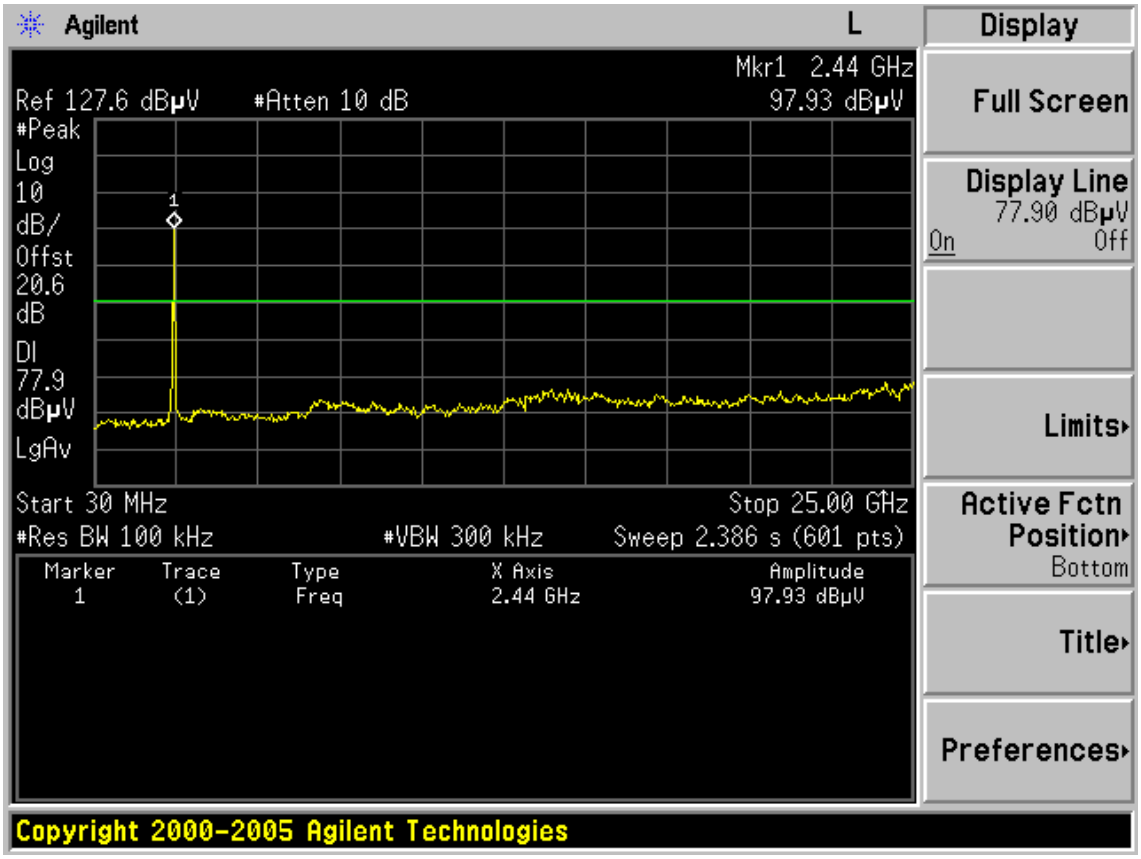


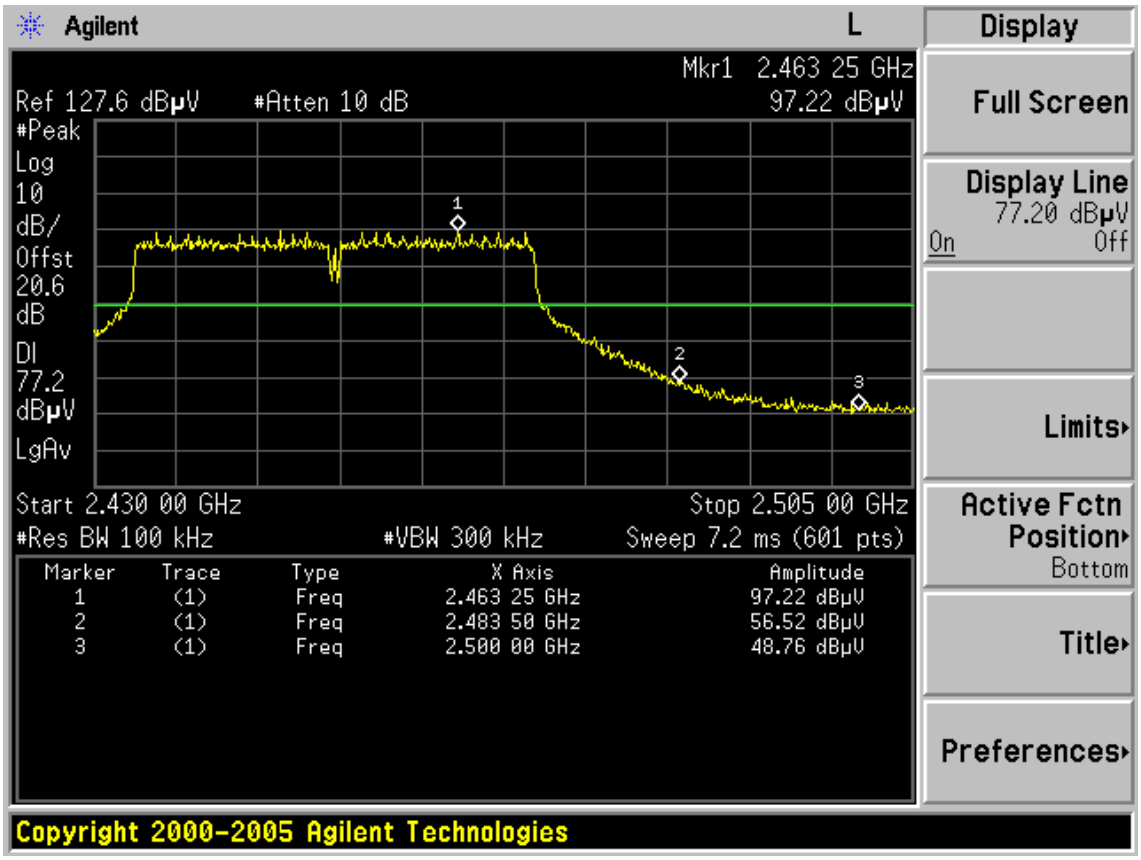

Agilent
L
Display
Mkr1 2.419 6 GHz
Ref 127.6 dBµV
#Atten 10 dB
97.01 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
77.0
dBµV
LgAv
Full Screen
Display Line
77.00 dBµV
On
Off
Limits
Start 2.310 0 GHz
Stop 2.445 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 12.92 ms (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.419 6 GHz 97.01 dBµV
2 (1) Freq 2.390 1 GHz 57.21 dBµV
3 (1) Freq 2.400 0 GHz 69.00 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

Test CH4

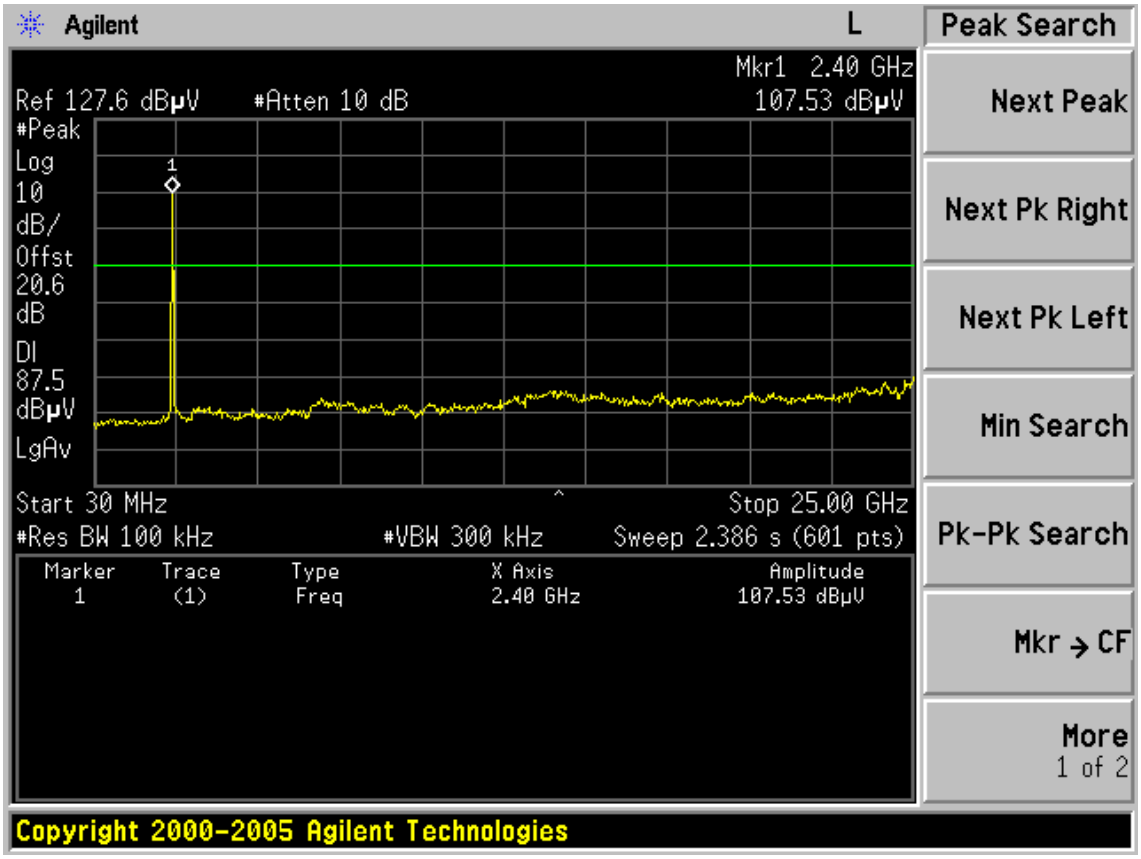

Agilent
L
Display
Mkr1 2.44 GHz
Ref 127.6 dBµV
#Atten 10 dB
103.86 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
83.9
dBµV
LgAv
Full Screen
Display Line
83.90 dBµV
On
Off
Limits
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 103.86 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

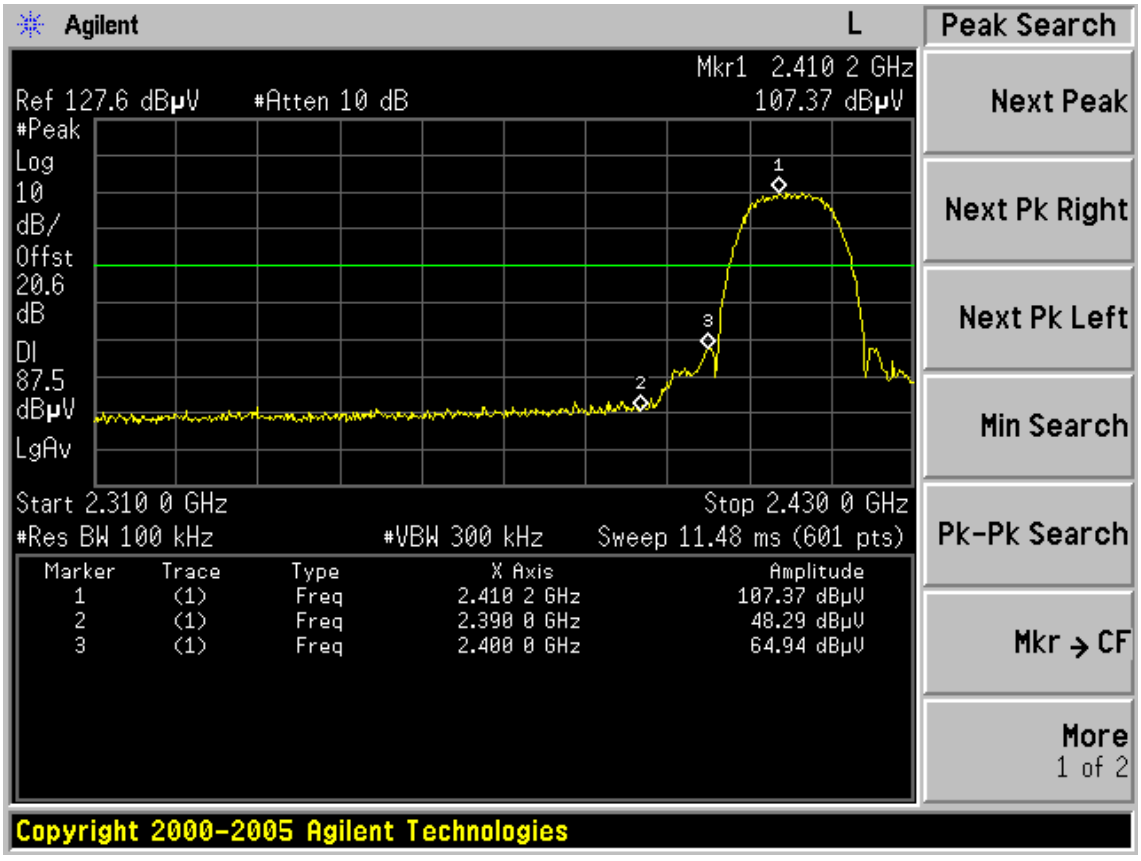
Test CH7


Agilent
L
Display
Mkr1 2.44 GHz
Ref 127.6 dBµV
#Atten 10 dB
97.93 dBµV
Full Screen
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
77.9
dBµV
LgAv
Display Line
77.90 dBµV
On
Off
Limits
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 97.93 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

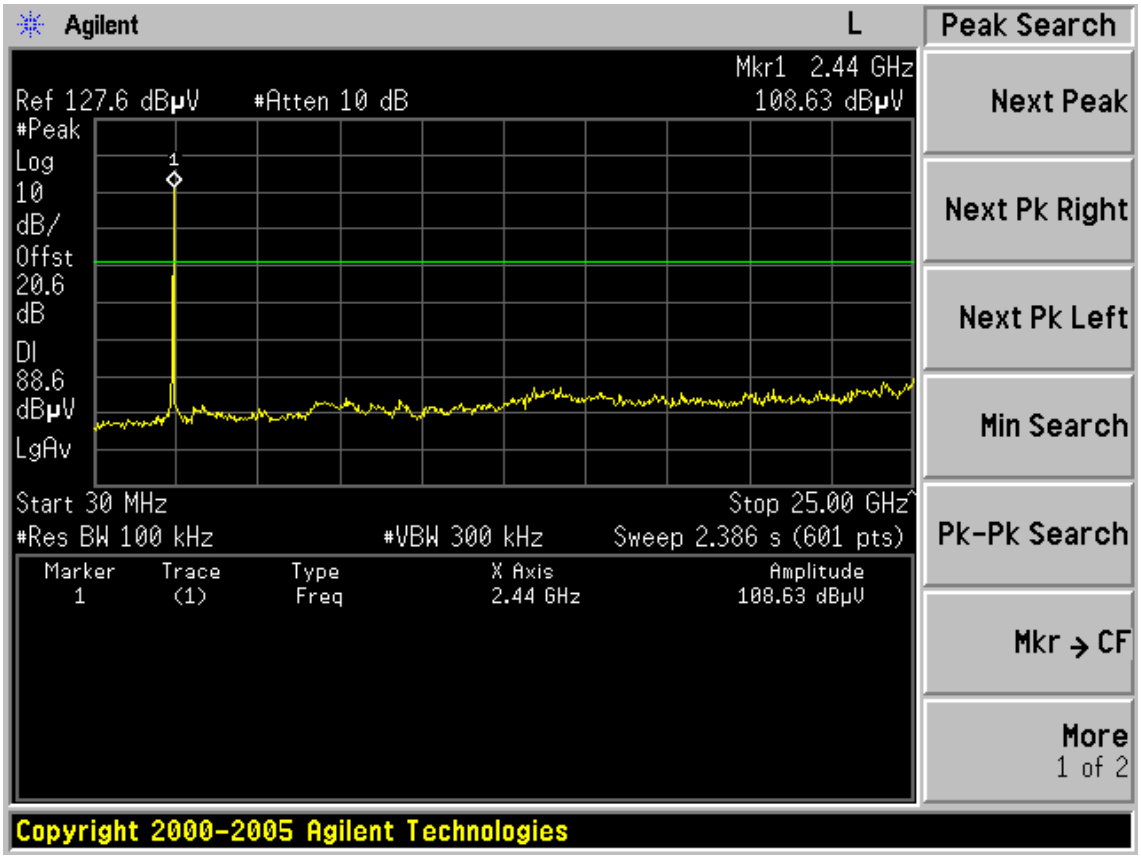

Agilent
L
Display
Mkr1 2.463 25 GHz
Ref 127.6 dBµV
#Atten 10 dB
97.22 dBµV
Full Screen
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
77.2
dBµV
LgAv
Display Line
77.20 dBµV
On
Off
Limits
Start 2.430 00 GHz
Stop 2.505 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 7.2 ms (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.463 25 GHz 97.22 dBµV
2 (1) Freq 2.483 50 GHz 56.52 dBµV
3 (1) Freq 2.500 00 GHz 48.76 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

Chain 2:
Test Mode: IEEE 802.11b TX
Test CH1

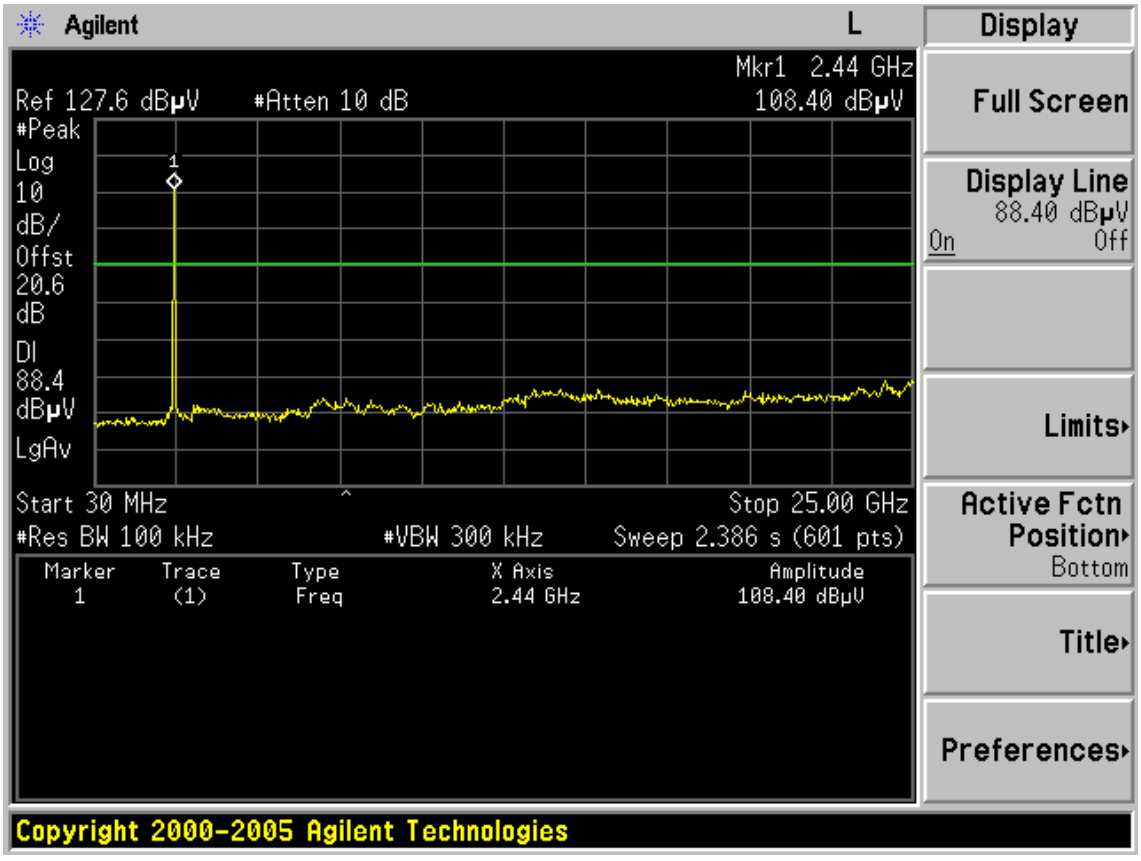


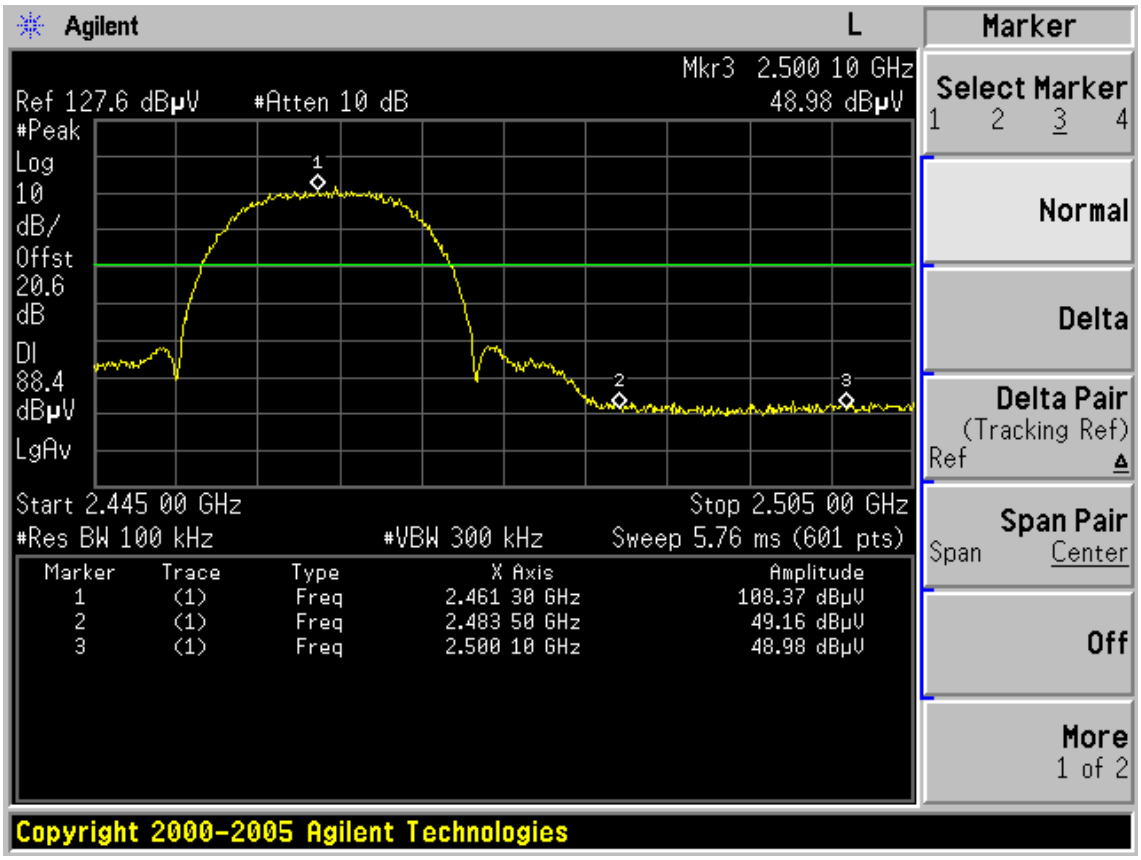


Test CH6

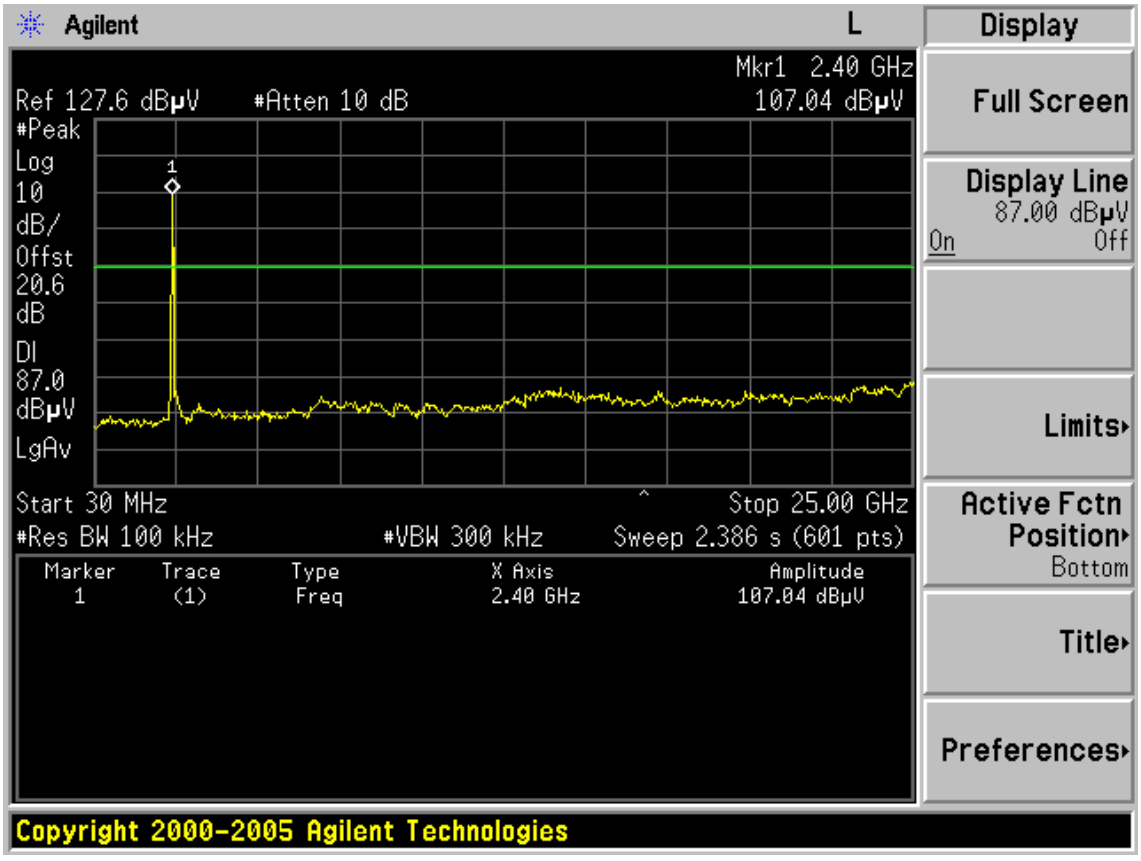


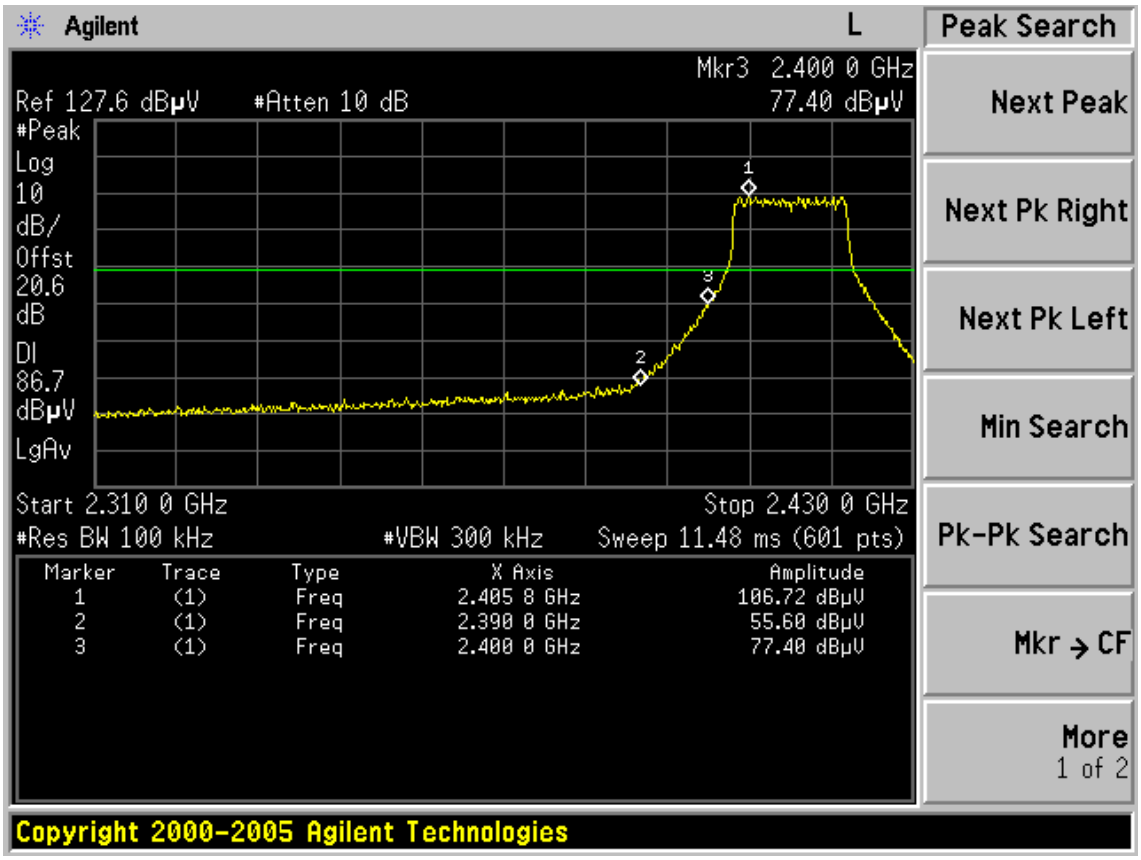
Test CH11





Test Mode: IEEE 802.11g TX
Test CH1




Agilent
L
Peak Search
Mkr3 2.400 0 GHz
Ref 127.6 dBµV
#Atten 10 dB
77.40 dBµV
Next Peak
#Peak
Log
10
dB/
Offst
20.6
dB
Next Pk Right
Dl
86.7
dBµV
LgAv
Next Pk Left
Min Search
Start 2.310 0 GHz
Stop 2.430 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 11.48 ms (601 pts)
Pk-Pk Search
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.405 8 GHz 106.72 dBµV
2 (1) Freq 2.390 0 GHz 55.60 dBµV
3 (1) Freq 2.400 0 GHz 77.40 dBµV
Mkr → CF
More
1 of 2
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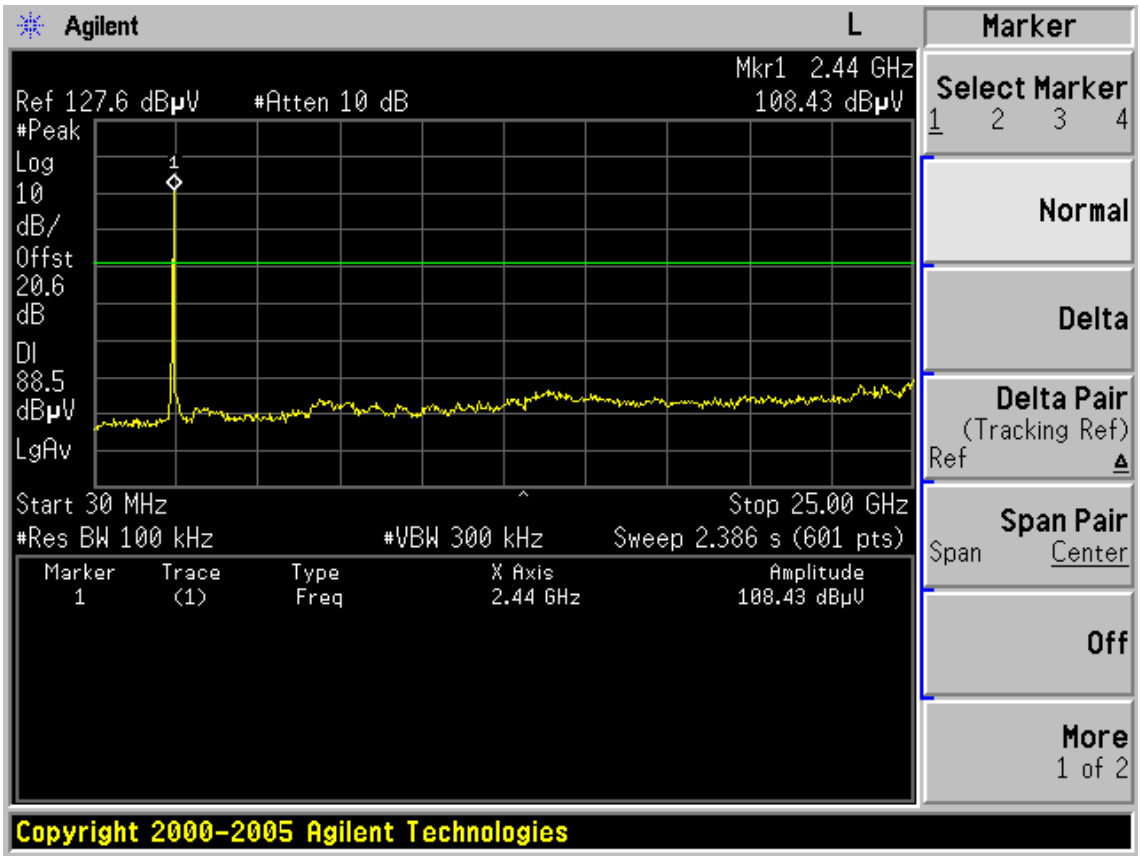
Test CH6


Agilent
L
Marker
Mkr1 2.44 GHz
Ref 127.6 dBµV
#Atten 10 dB
108.43 dBµV
Select Marker
1 2 3 4
#Peak
Log
10
dB/
Offst
20.6
dB
Normal
Delta
Dl
88.5
dBµV
LgAv
Delta Pair
(Tracking Ref)
Ref
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Span Pair
Span Center
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 108.43 dBµV
Off
More
1 of 2
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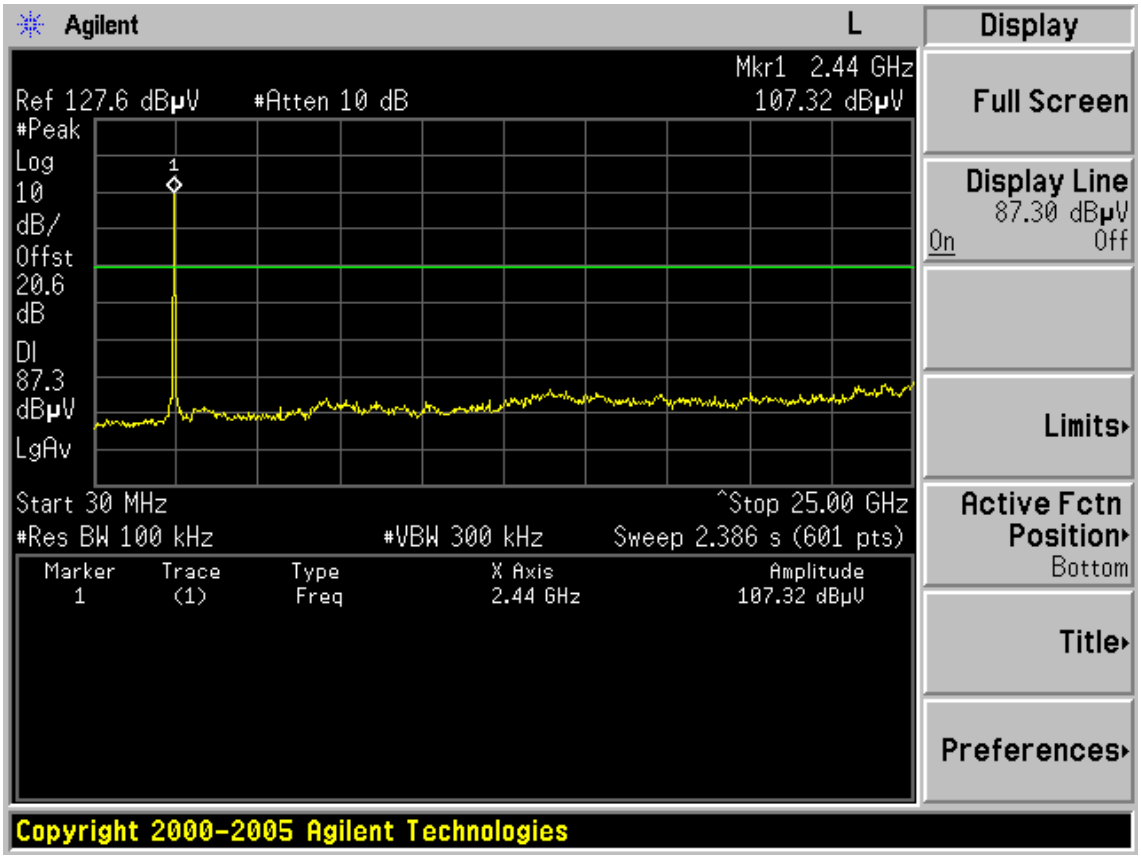
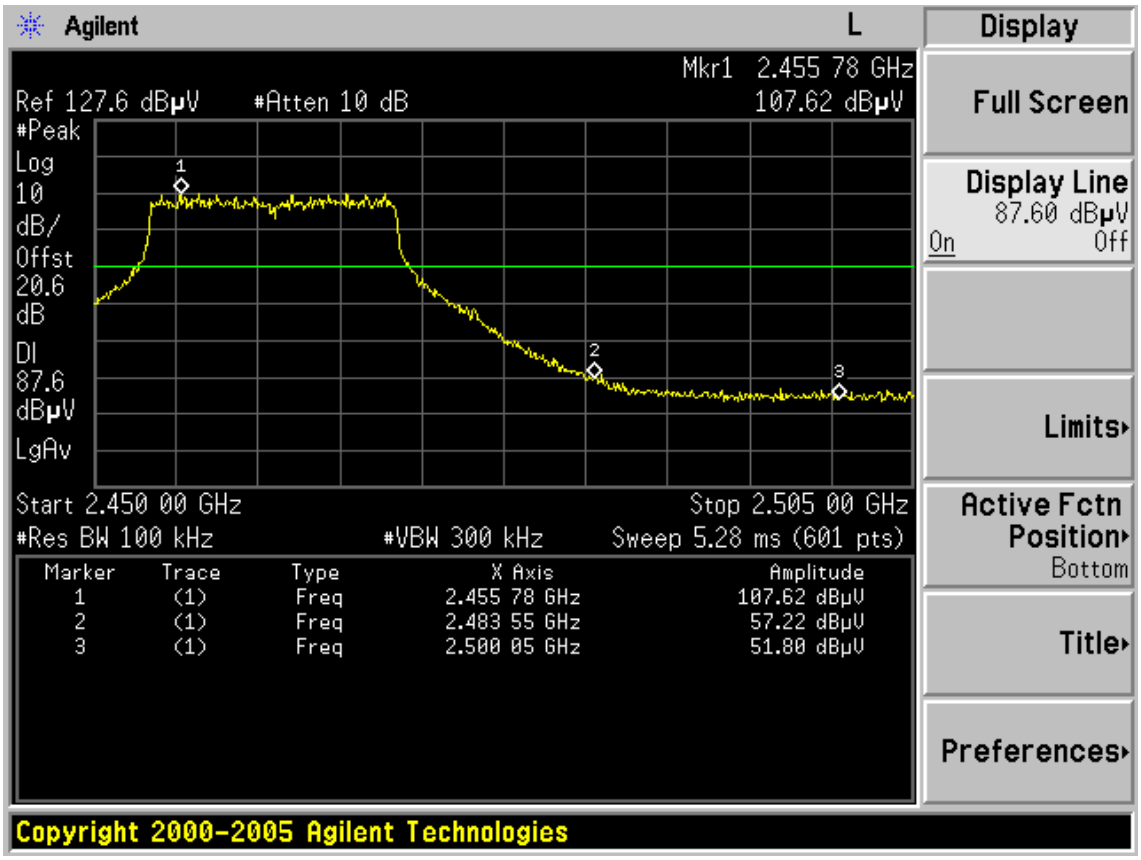
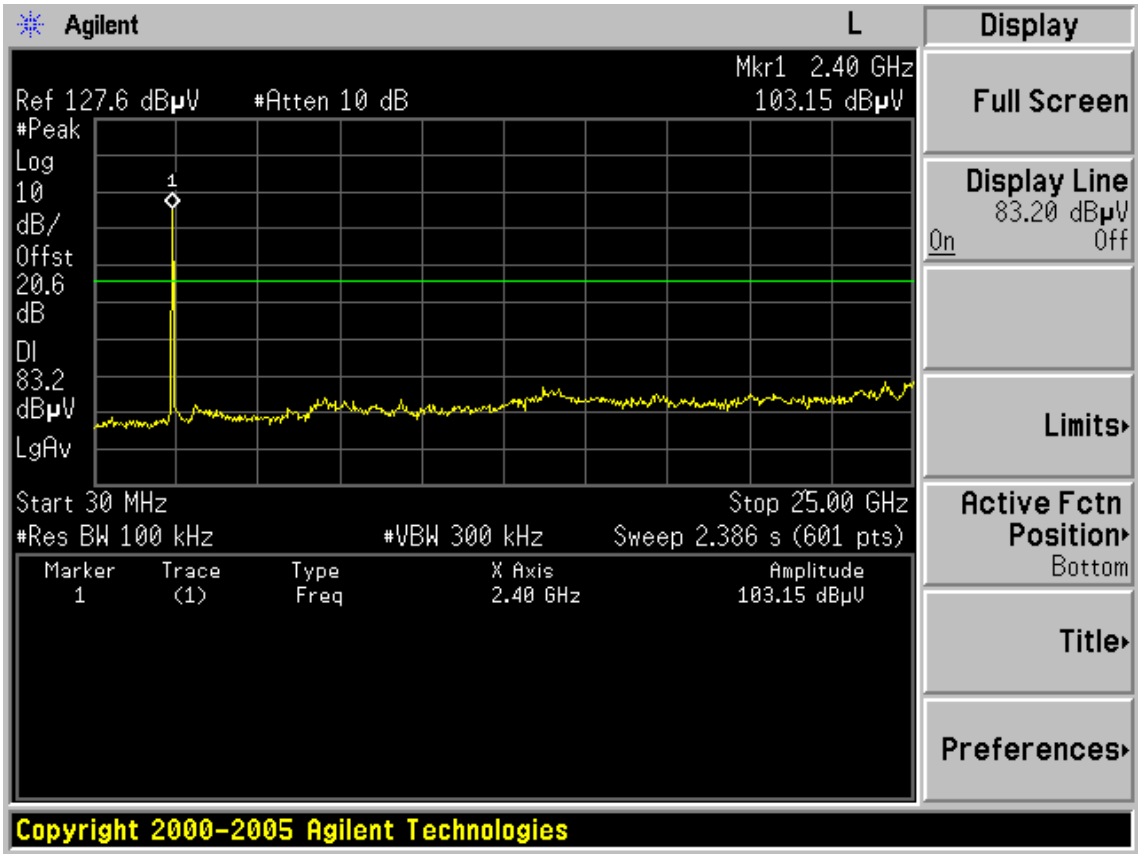
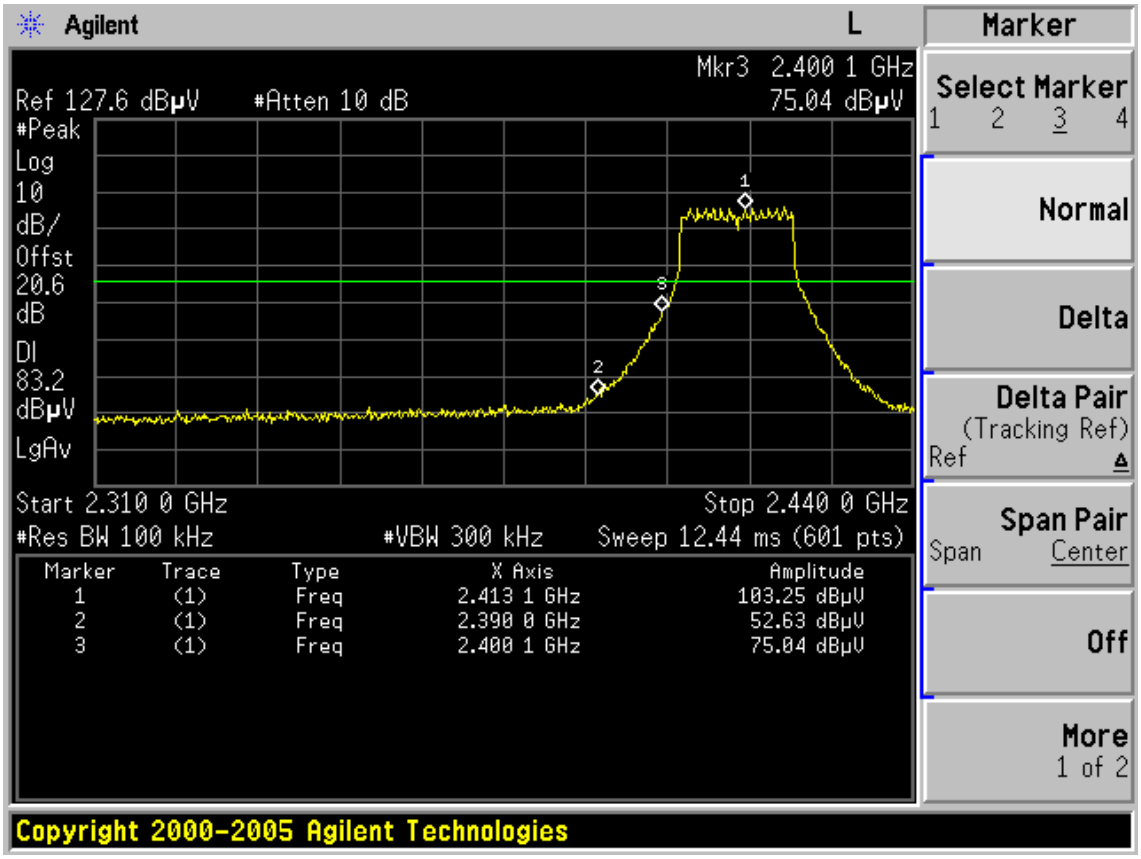
Test CH11


Agilent
L
Display
Mkr1 2.44 GHz
Ref 127.6 dBµV
#Atten 10 dB
107.32 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
87.3
dBµV
LgAv
Full Screen
Display Line
87.30 dBµV
On
Off
Limits
Start 30 MHz
^Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 107.32 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

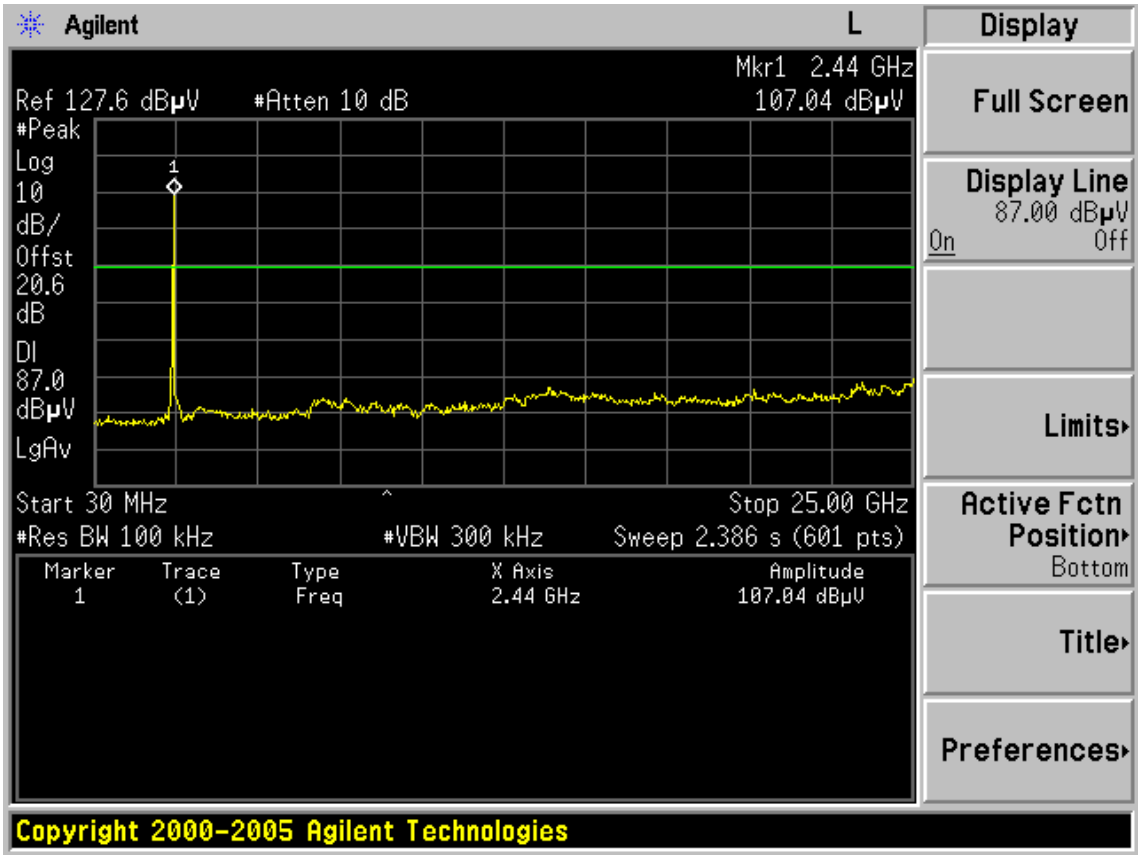

Agilent
L
Display
Mkr1 2.455 78 GHz
Ref 127.6 dBµV
#Atten 10 dB
107.62 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
87.6
dBµV
LgAv
Full Screen
Display Line
87.60 dBµV
On
Off
Limits
Start 2.450 00 GHz
Stop 2.505 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 5.28 ms (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.455 78 GHz 107.62 dBµV
2 (1) Freq 2.483 55 GHz 57.22 dBµV
3 (1) Freq 2.500 05 GHz 51.80 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

Test Mode: IEEE 802.11n HT20 TX
Test CH1

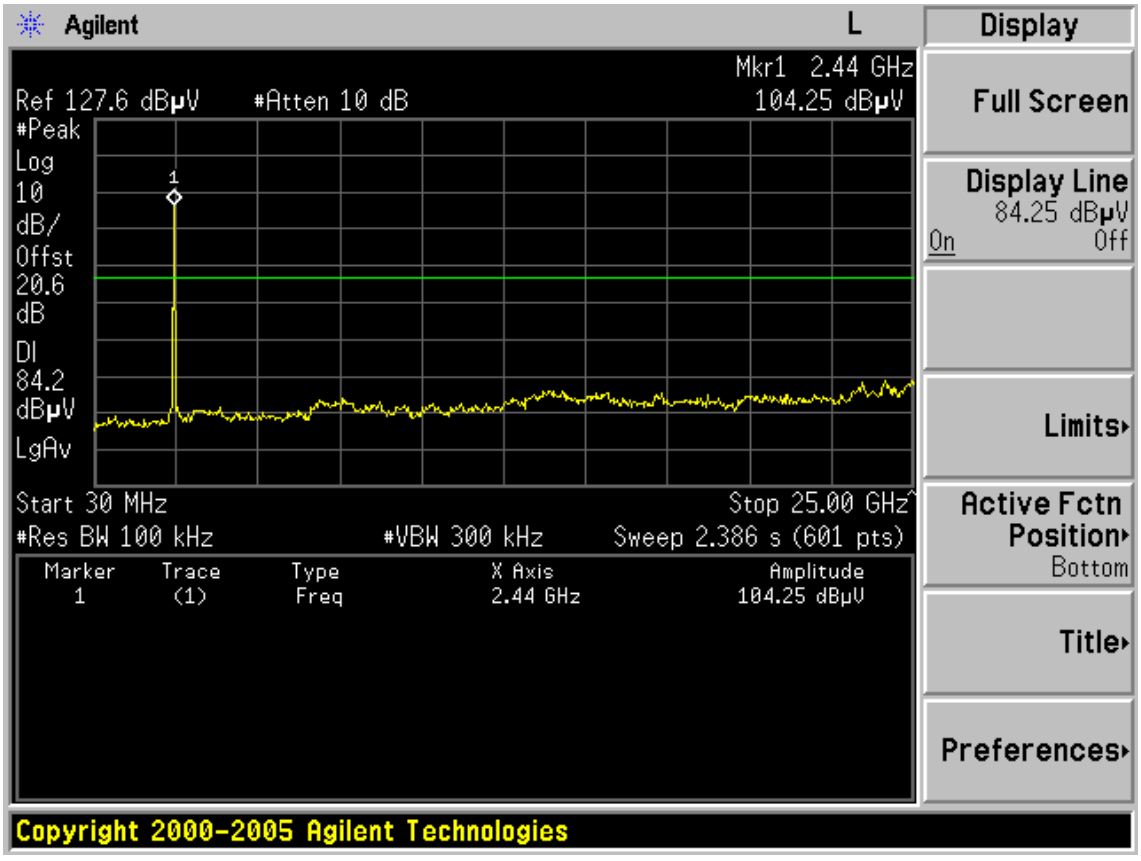


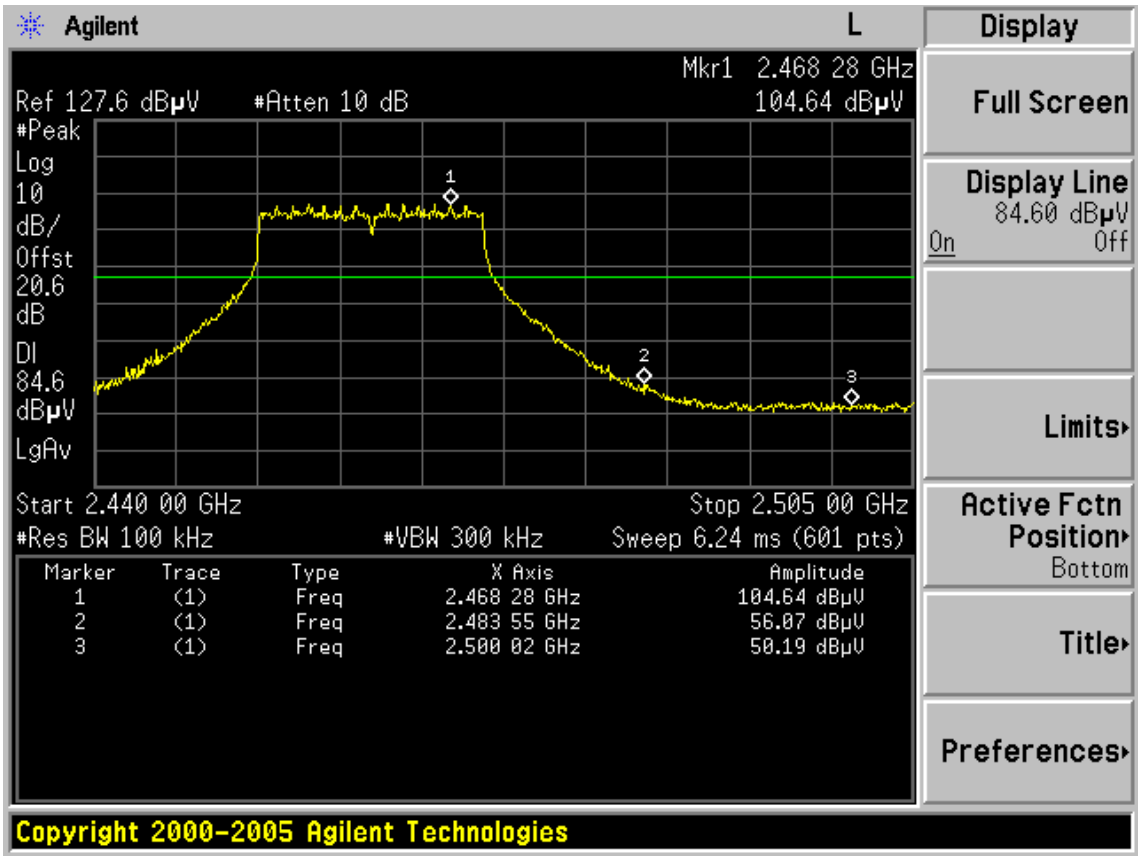


Test CH6

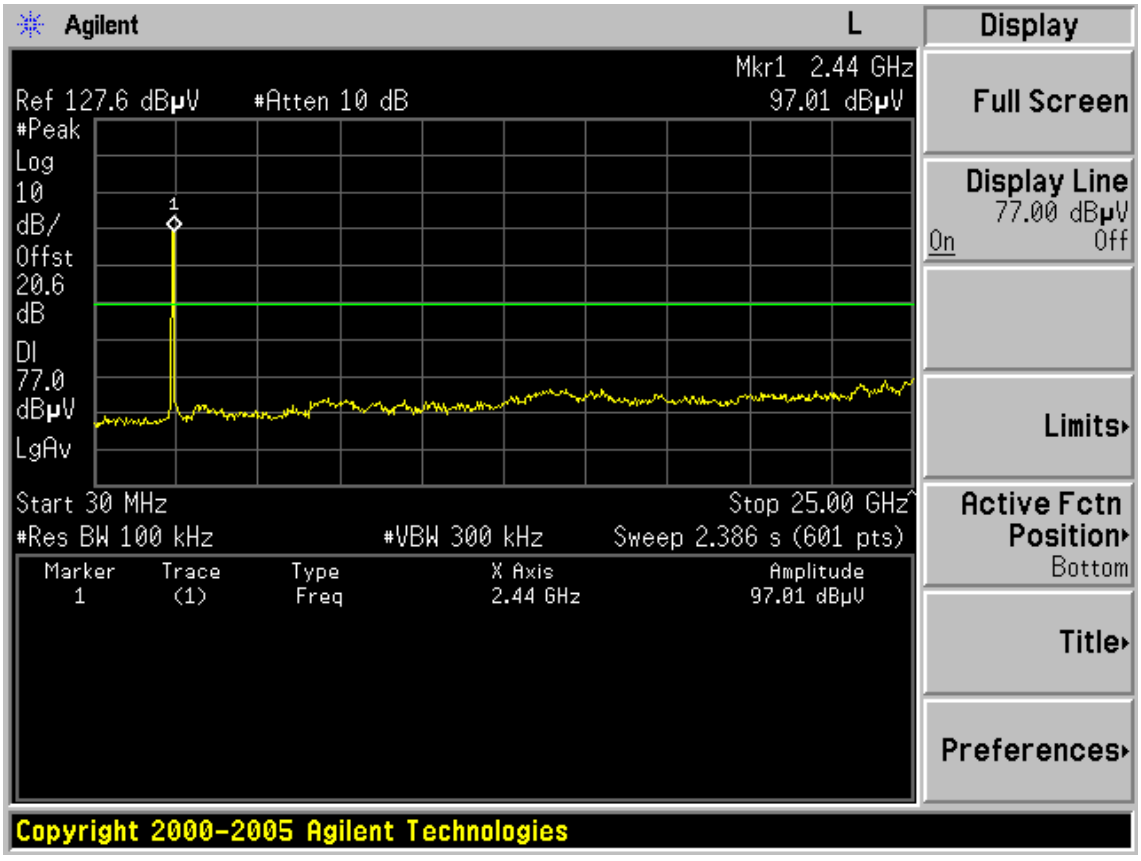


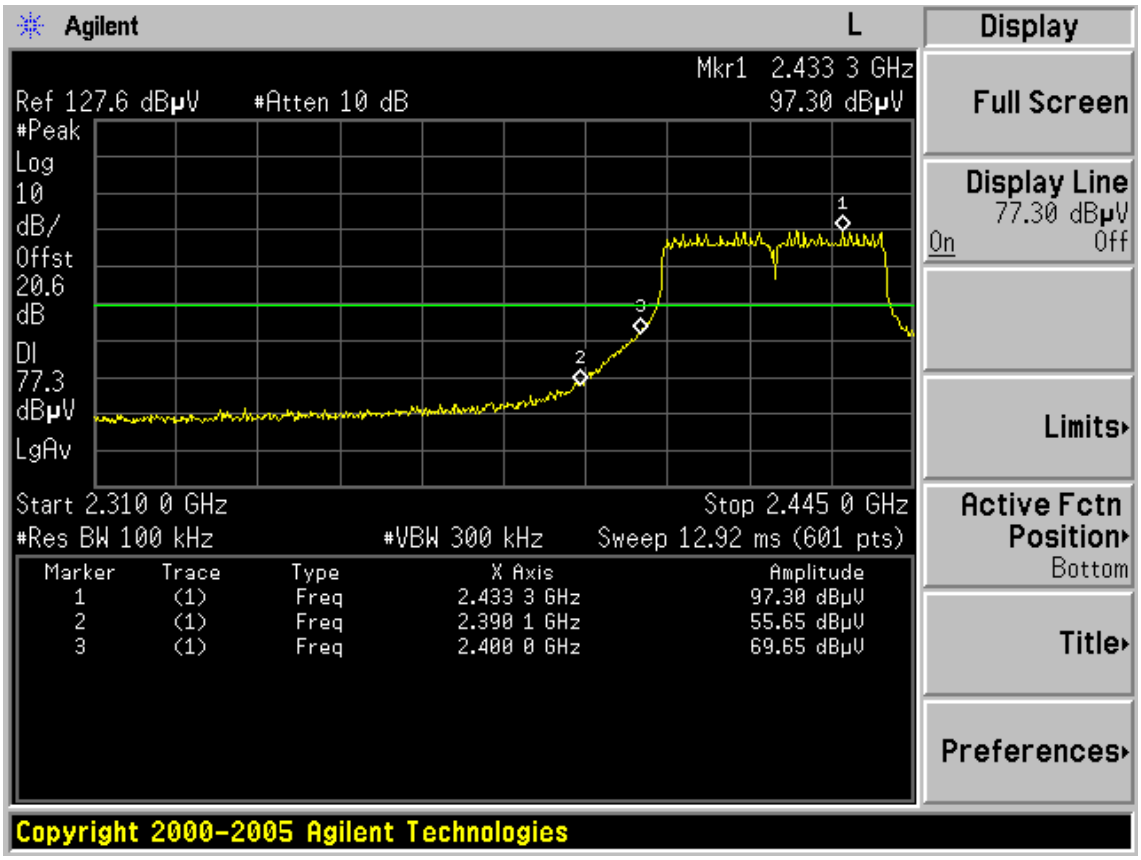
Test CH11



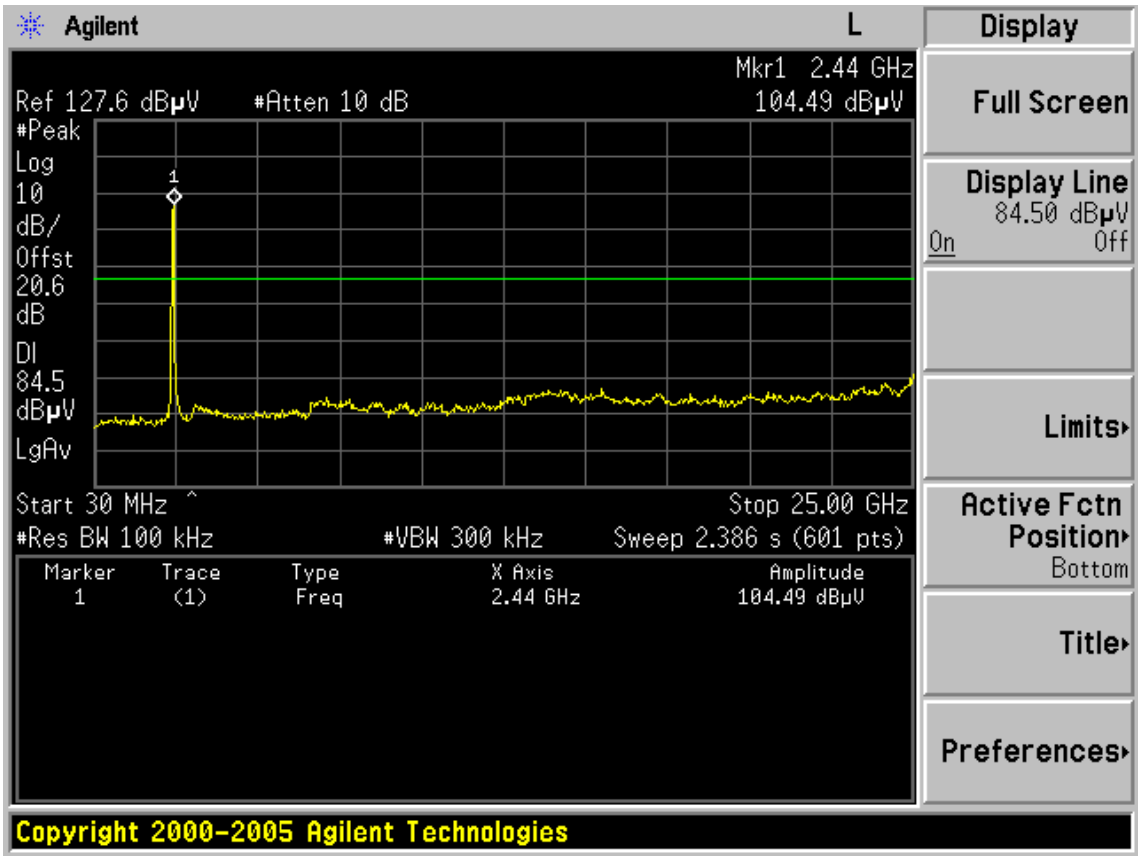


Test Mode: IEEE 802.11n HT40 TX
Test CH1

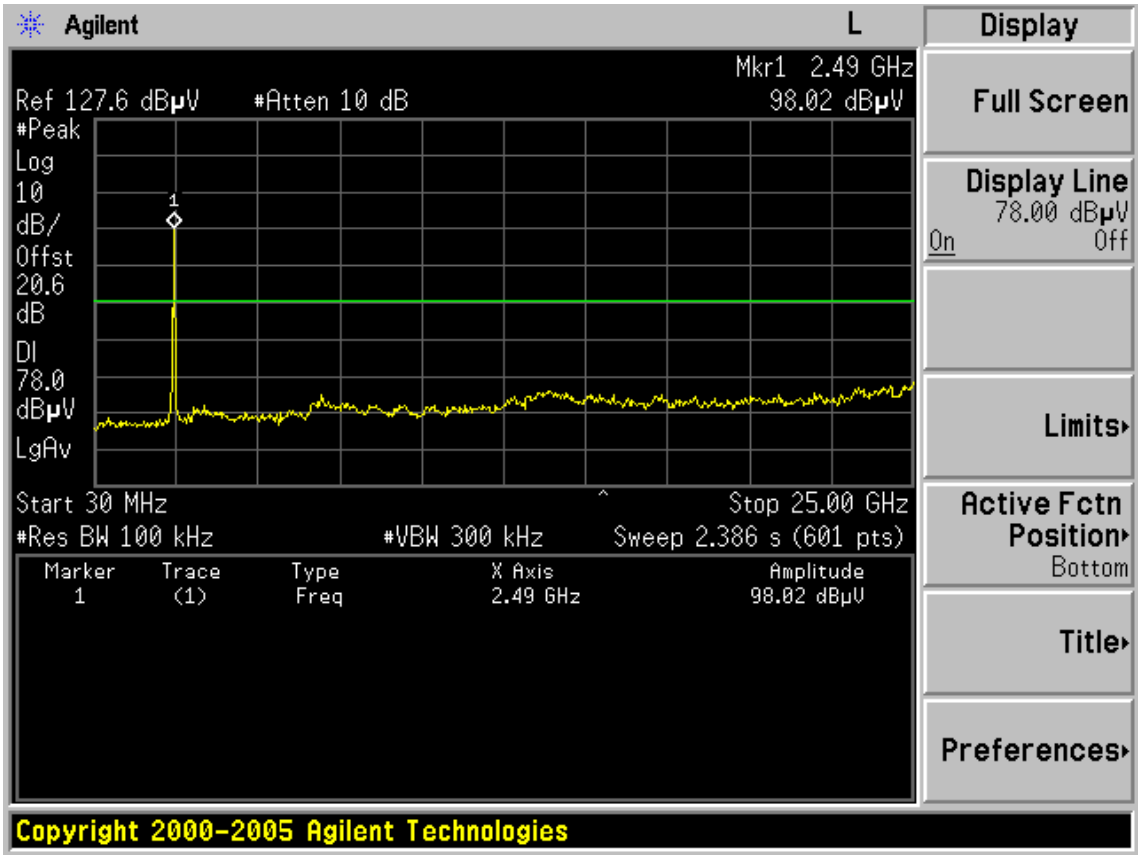


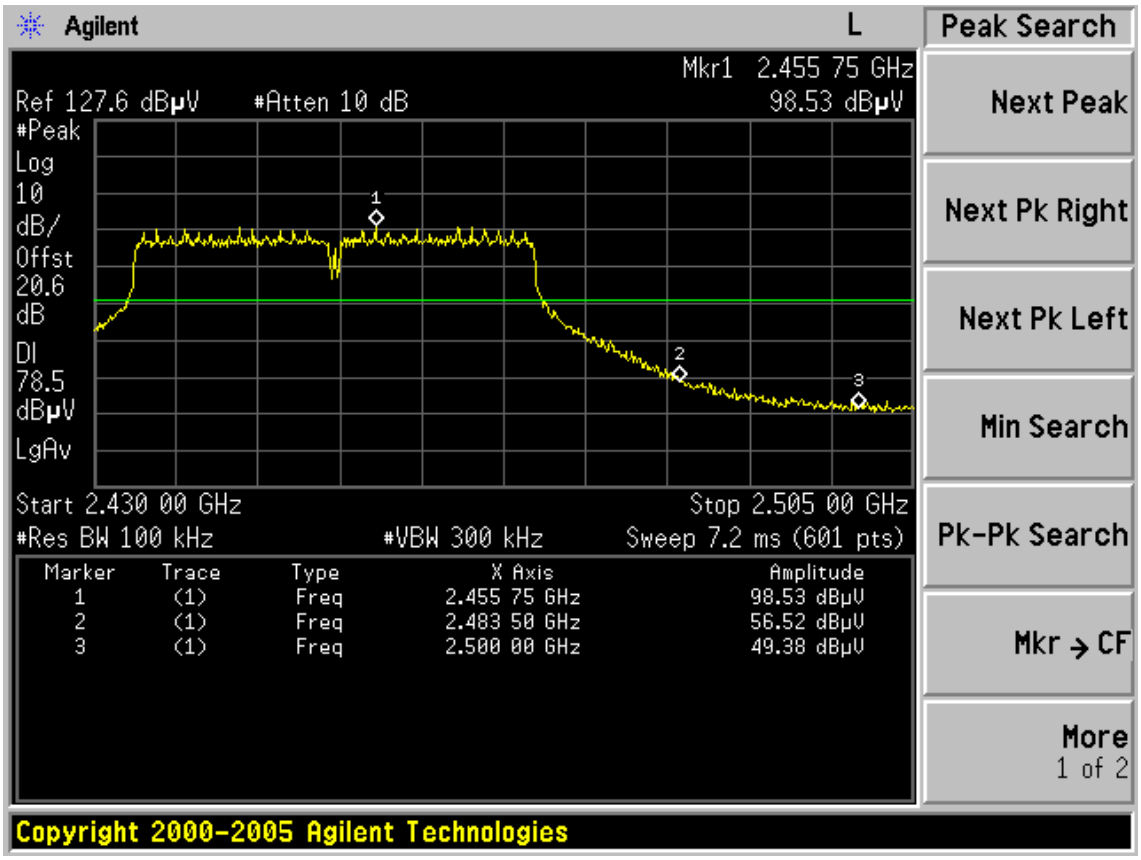

Agilent
L
Display
Mkr1 2.433 3 GHz
Ref 127.6 dBµV
#Atten 10 dB
97.30 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
77.3
dBµV
LgAv
Full Screen
Display Line
77.30 dBµV
On
Off
Limits
Start 2.310 0 GHz
Stop 2.445 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 12.92 ms (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.433 3 GHz 97.30 dBµV
2 (1) Freq 2.390 1 GHz 55.65 dBµV
3 (1) Freq 2.400 0 GHz 69.65 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

Test CH4

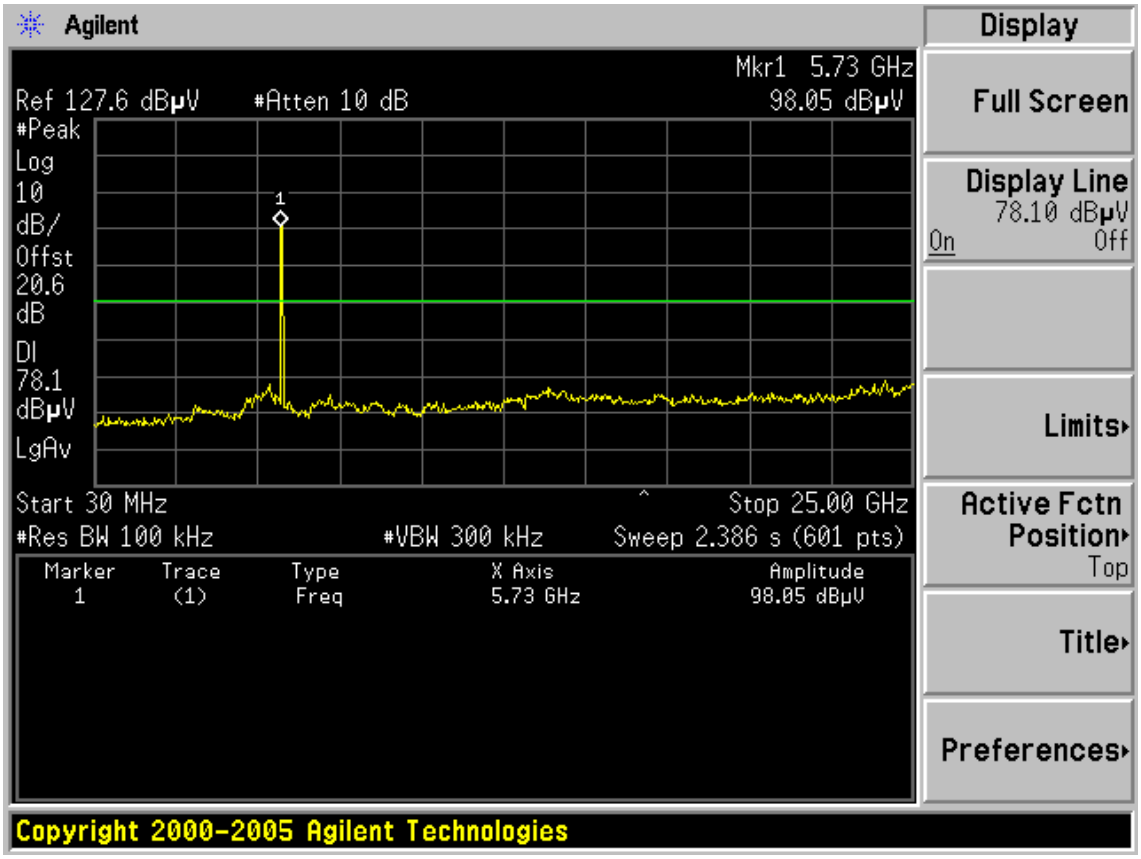

Agilent
L
Display
Mkr1 2.44 GHz
Ref 127.6 dBµV
#Atten 10 dB
104.49 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
84.5
dBµV
LgAv
Full Screen
Display Line
84.50 dBµV
On
Off
Limits
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 104.49 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

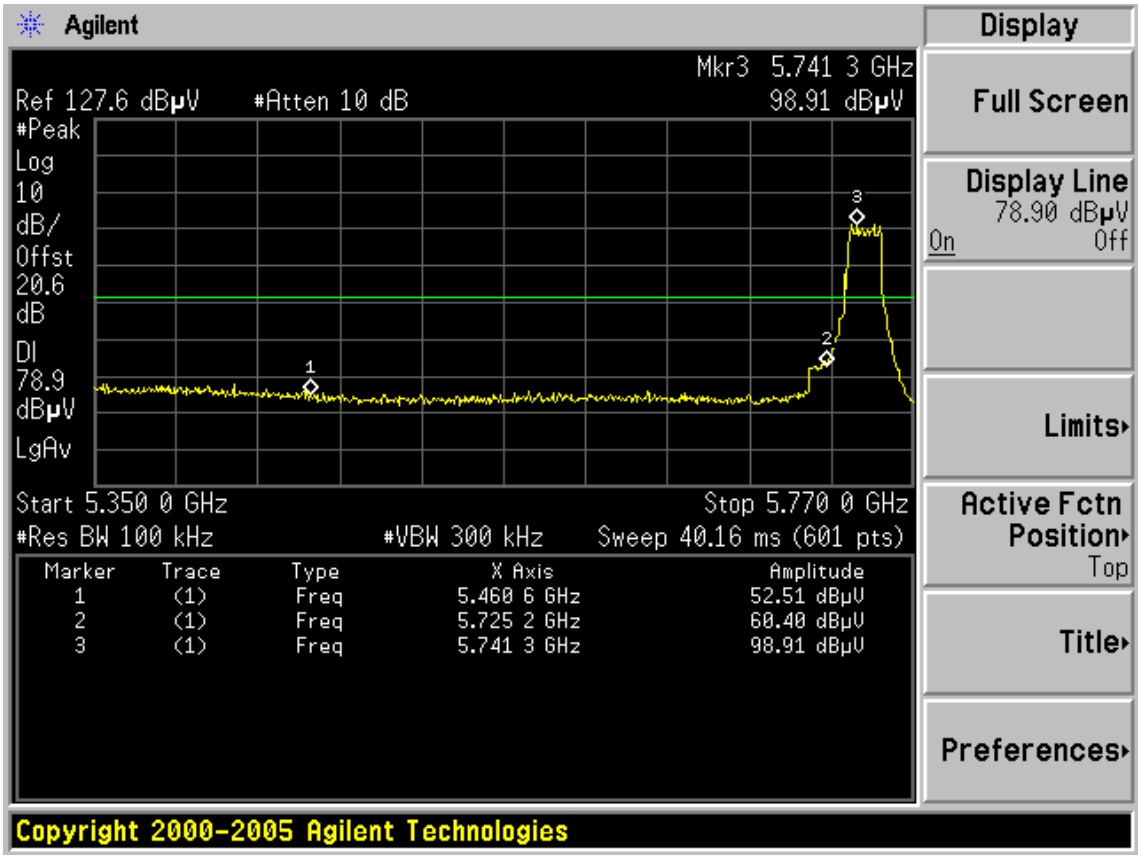
Test CH7


Agilent
L
Display
Mkr1 2.49 GHz
Ref 127.6 dBµV
#Atten 10 dB
98.02 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
78.0
dBµV
LgAv
Full Screen
Display Line
78.00 dBµV
On
Off
Limits
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.49 GHz 98.02 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

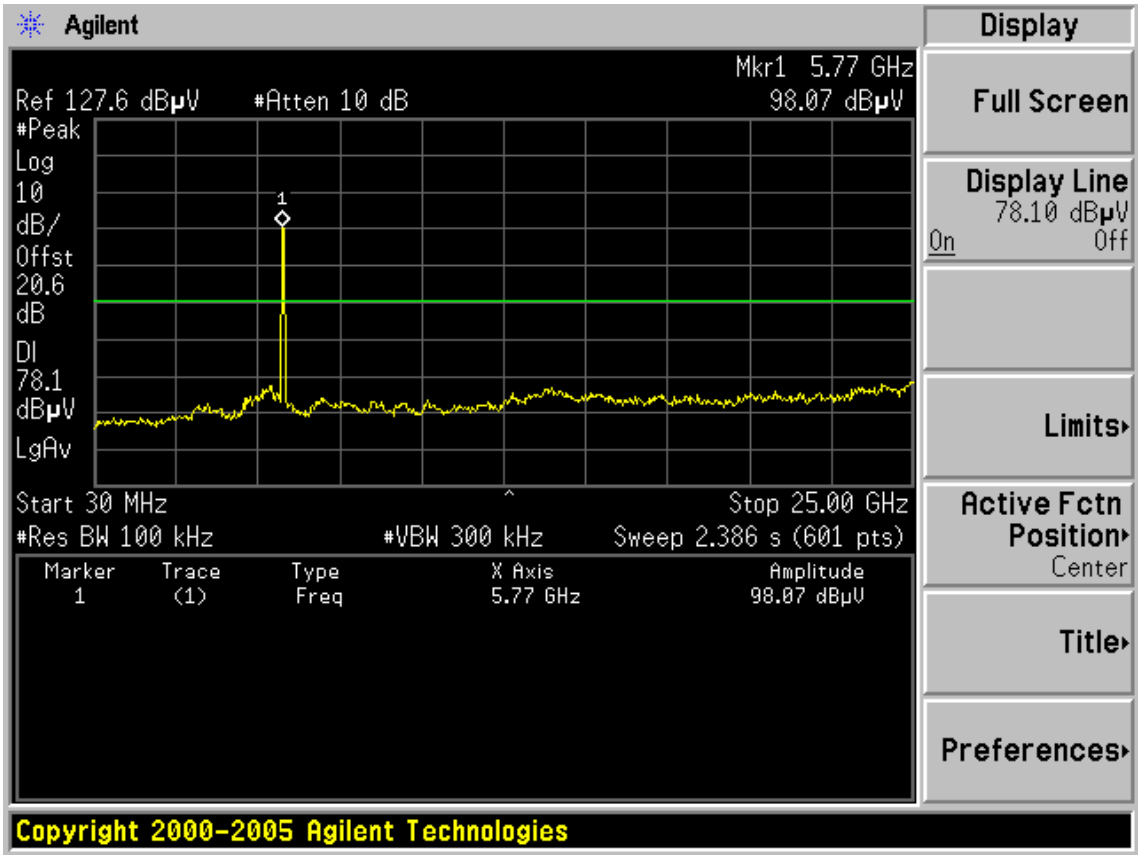

Agilent
L
Peak Search
Mkr1 2.455 75 GHz
Ref 127.6 dBµV
#Atten 10 dB
98.53 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
78.5
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Start 2.430 00 GHz
Stop 2.505 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 7.2 ms (601 pts)
Pk-Pk Search
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.455 75 GHz 98.53 dBµV
2 (1) Freq 2.483 50 GHz 56.52 dBµV
3 (1) Freq 2.500 00 GHz 49.38 dBµV
Mkr → CF
More
1 of 2
Copyright 2000-2005 Agilent Technologies

(5G) Chain 1:
Test Mode: IEEE 802.11a TX
Test CH149

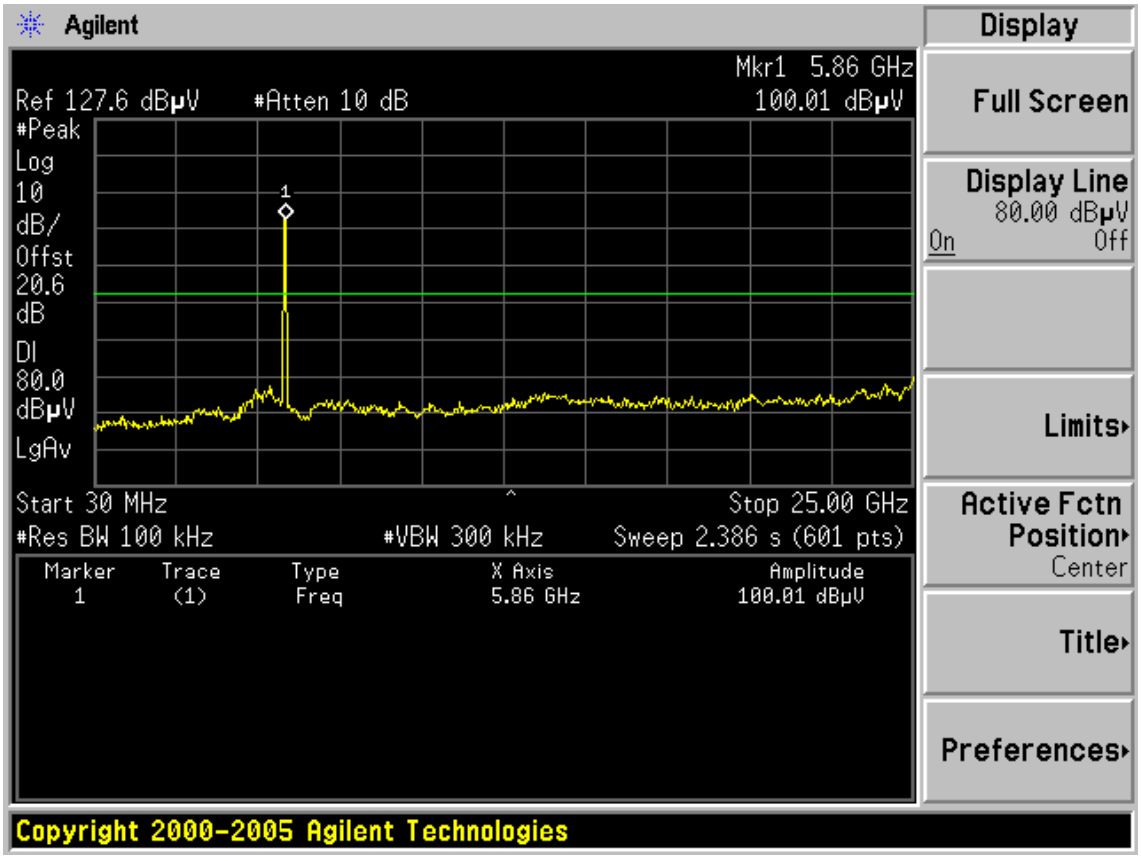


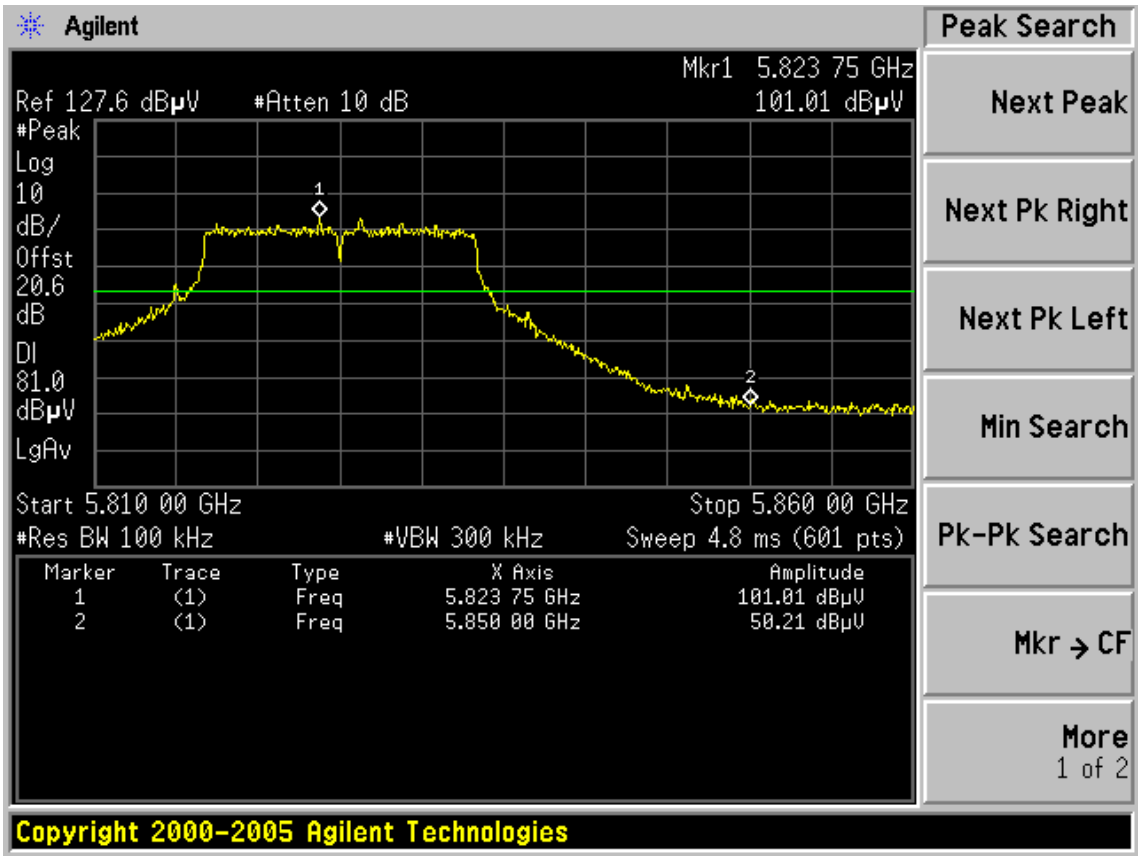


Test CH157

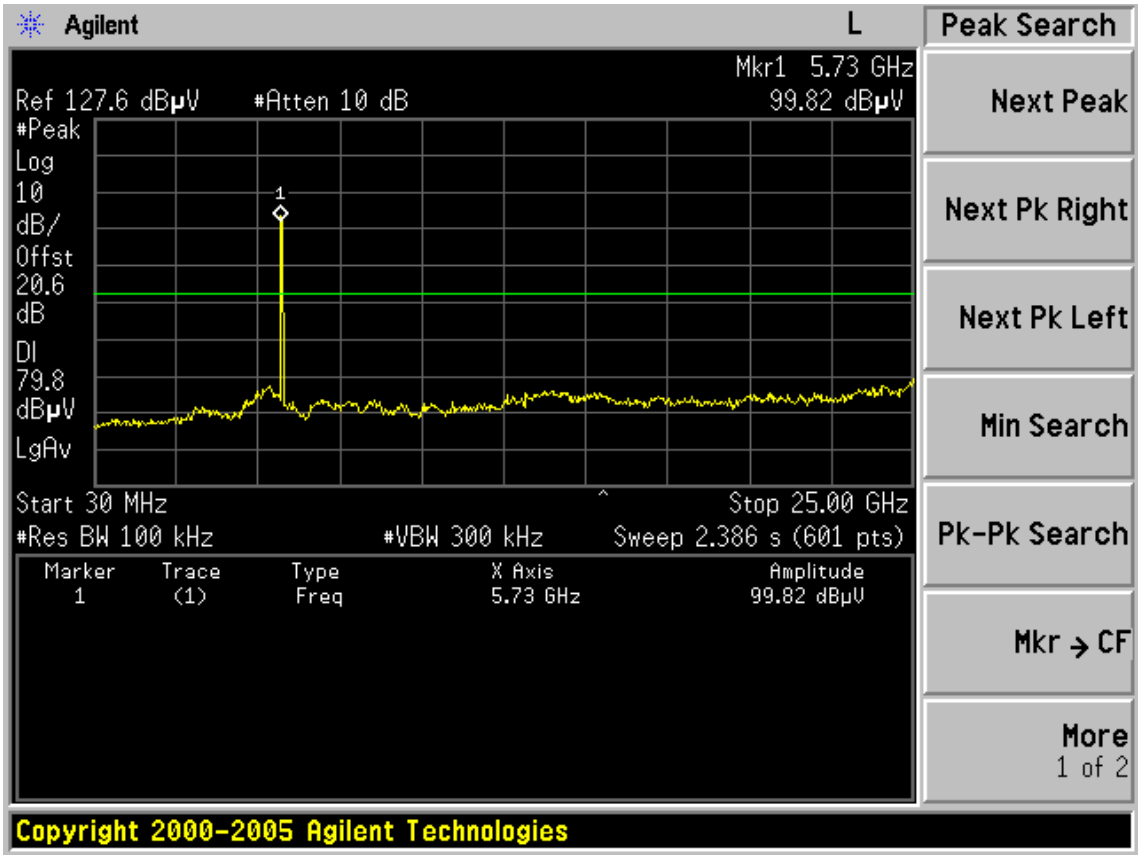


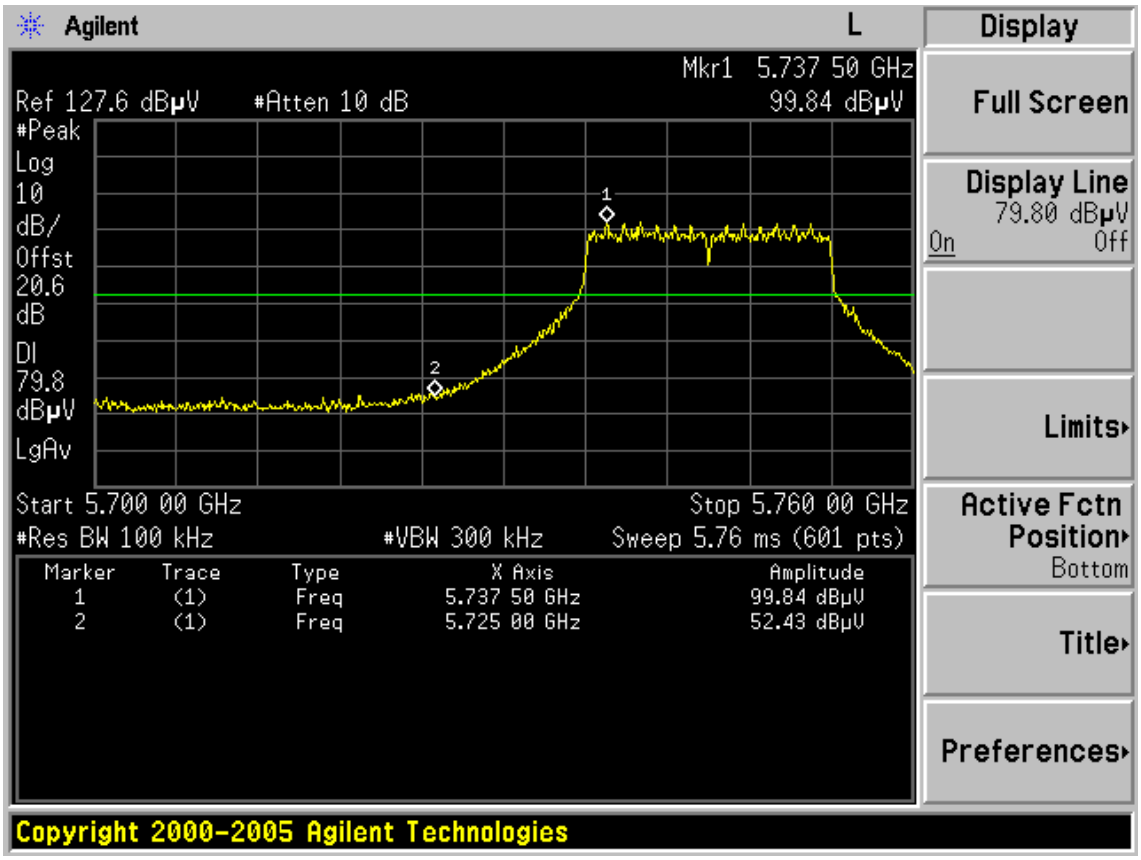
Test CH165



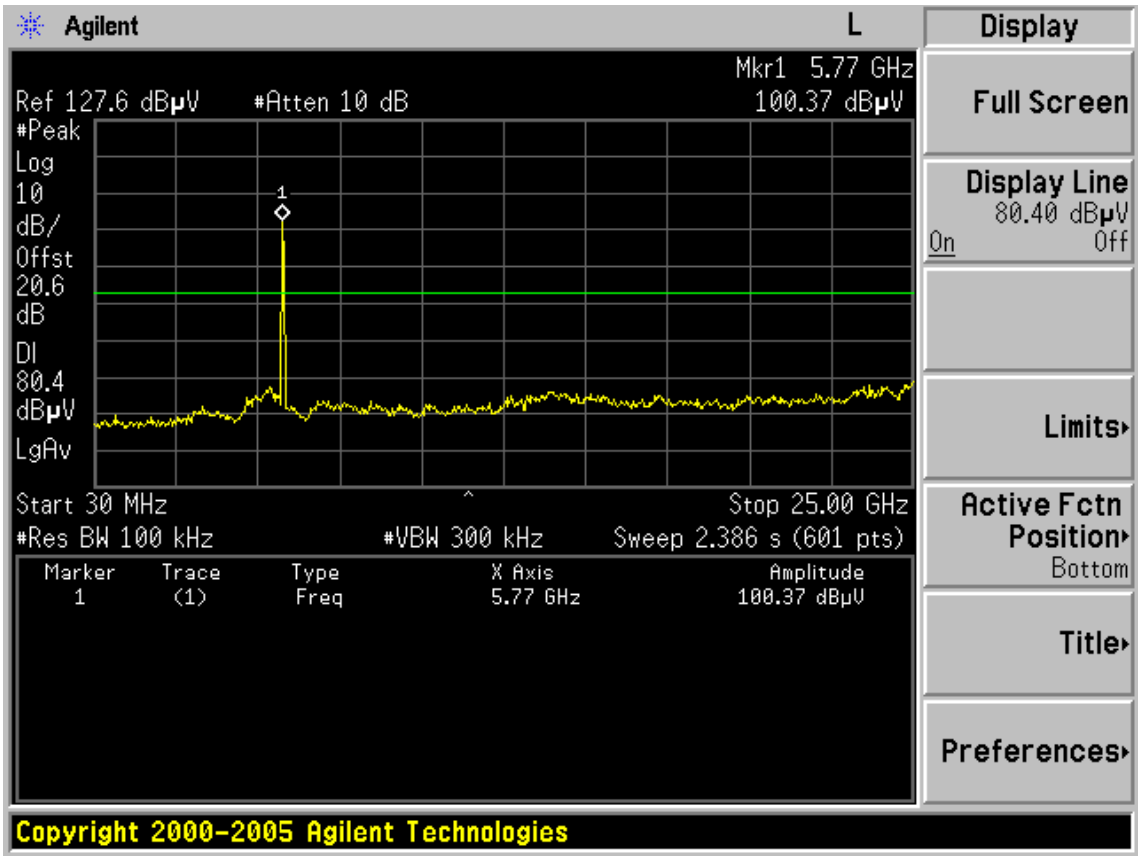


Test Mode: IEEE 802.11n HT20 TX
Test CH149

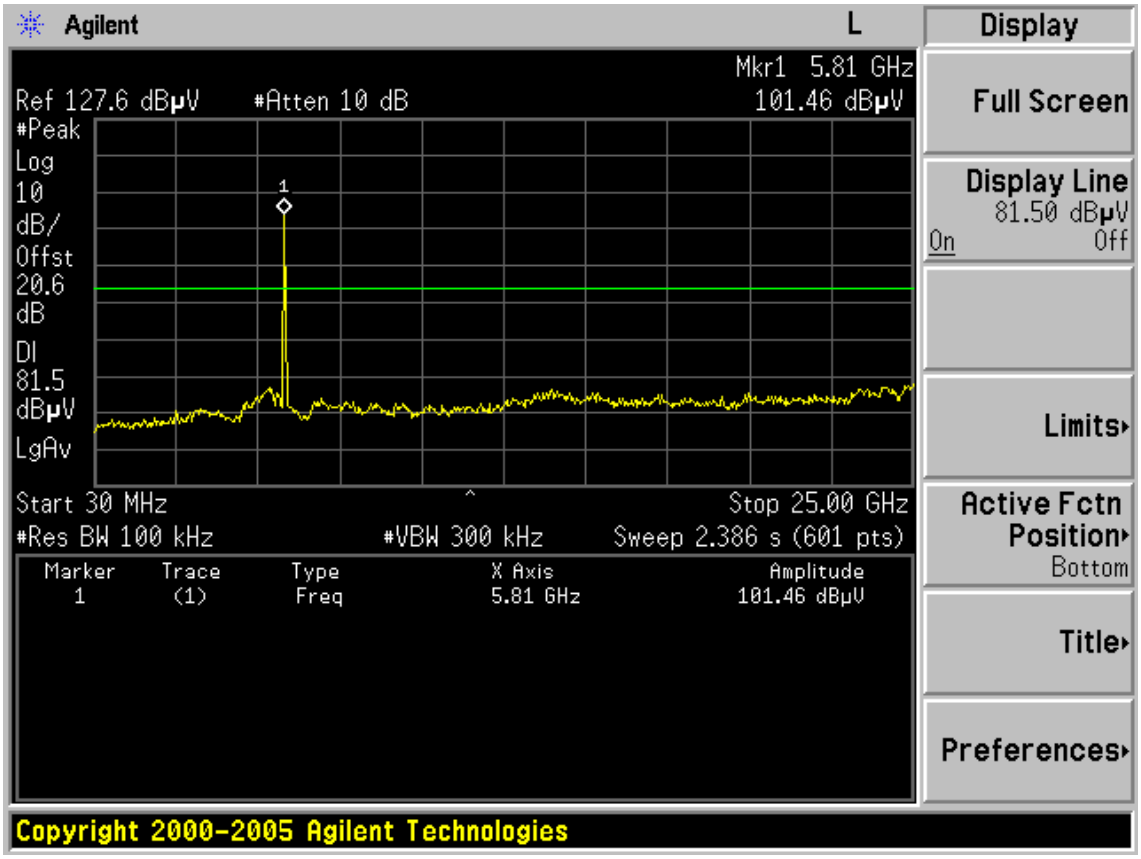


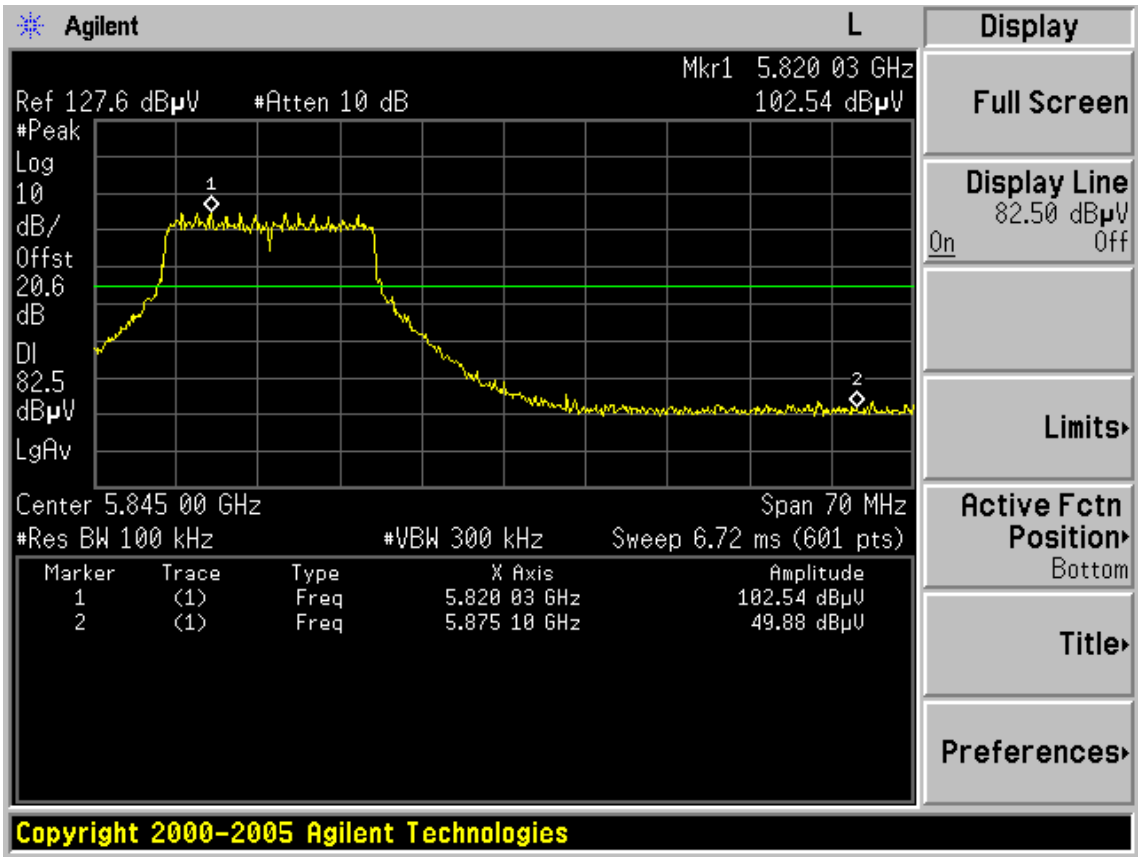

Agilent
L
Display
Mkr1 5.737 50 GHz
99.84 dBµV
Ref 127.6 dBµV
#Atten 10 dB
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
79.8
dBµV
LgAv
Full Screen
Display Line
79.80 dBµV
On
Off
Limits
Start 5.700 00 GHz
Stop 5.760 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 5.76 ms (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.737 50 GHz 99.84 dBµV
2 (1) Freq 5.725 00 GHz 52.43 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

Test CH157

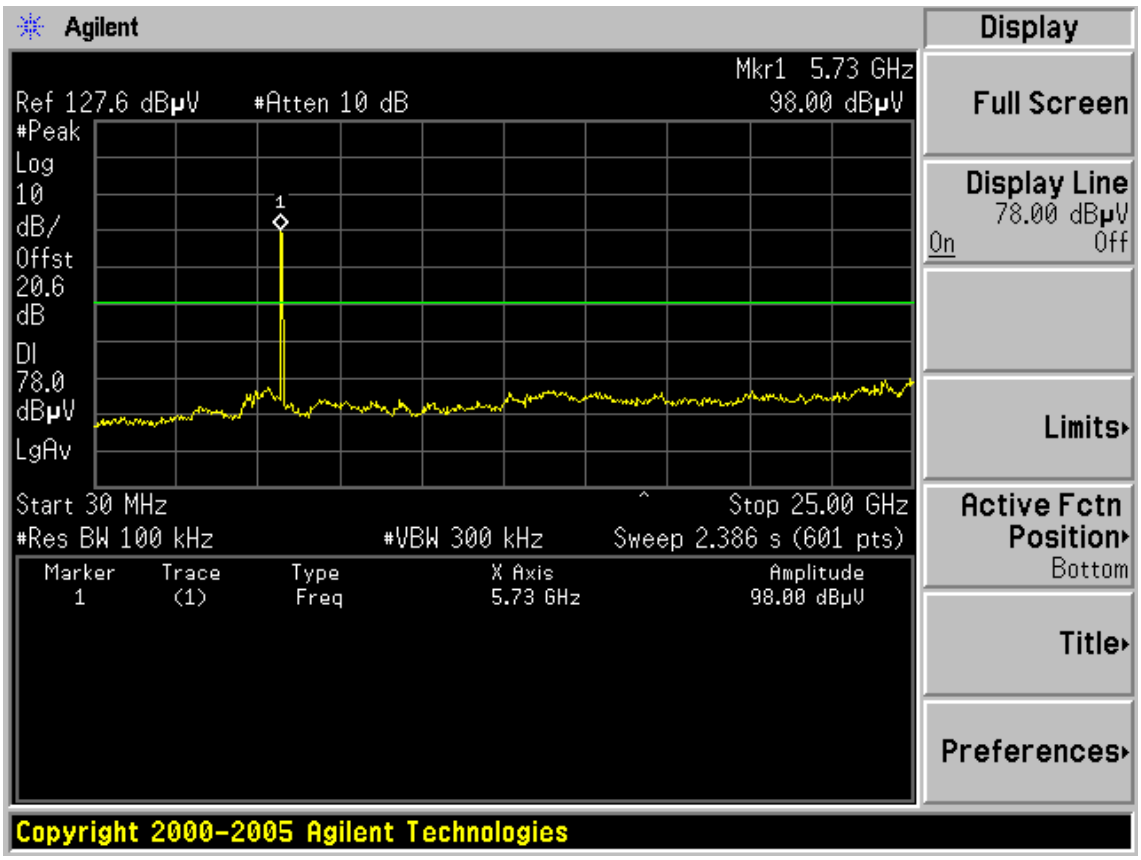

Agilent
L
Display
Mkr1 5.77 GHz
100.37 dBµV
Ref 127.6 dBµV
#Atten 10 dB
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
80.4
dBµV
LgAv
Full Screen
Display Line
80.40 dBµV
On
Off
Limits
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.77 GHz 100.37 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

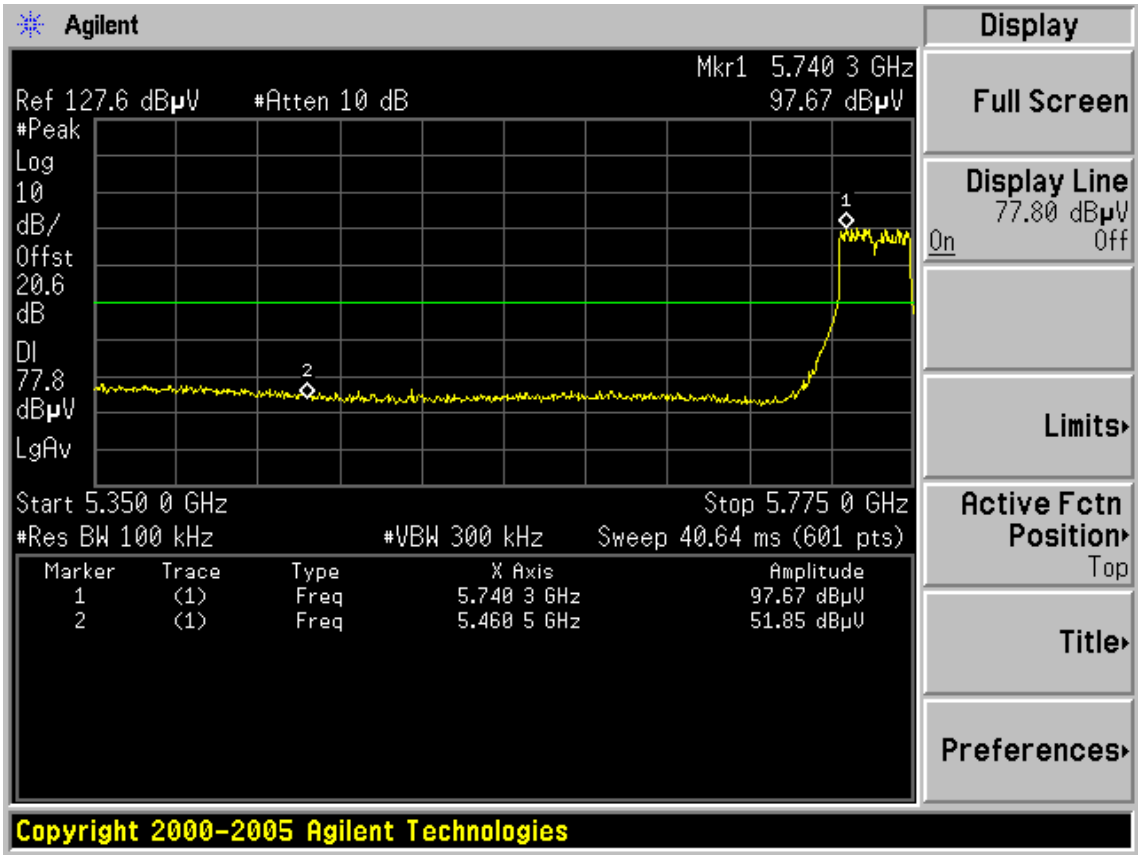
Test CH165


Agilent
L
Display
Mkr1 5.81 GHz
Ref 127.6 dBµV
#Atten 10 dB
101.46 dBµV
Full Screen
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
81.5
dBµV
LgAv
Display Line
81.50 dBµV
On
Off
Limits
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.81 GHz 101.46 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

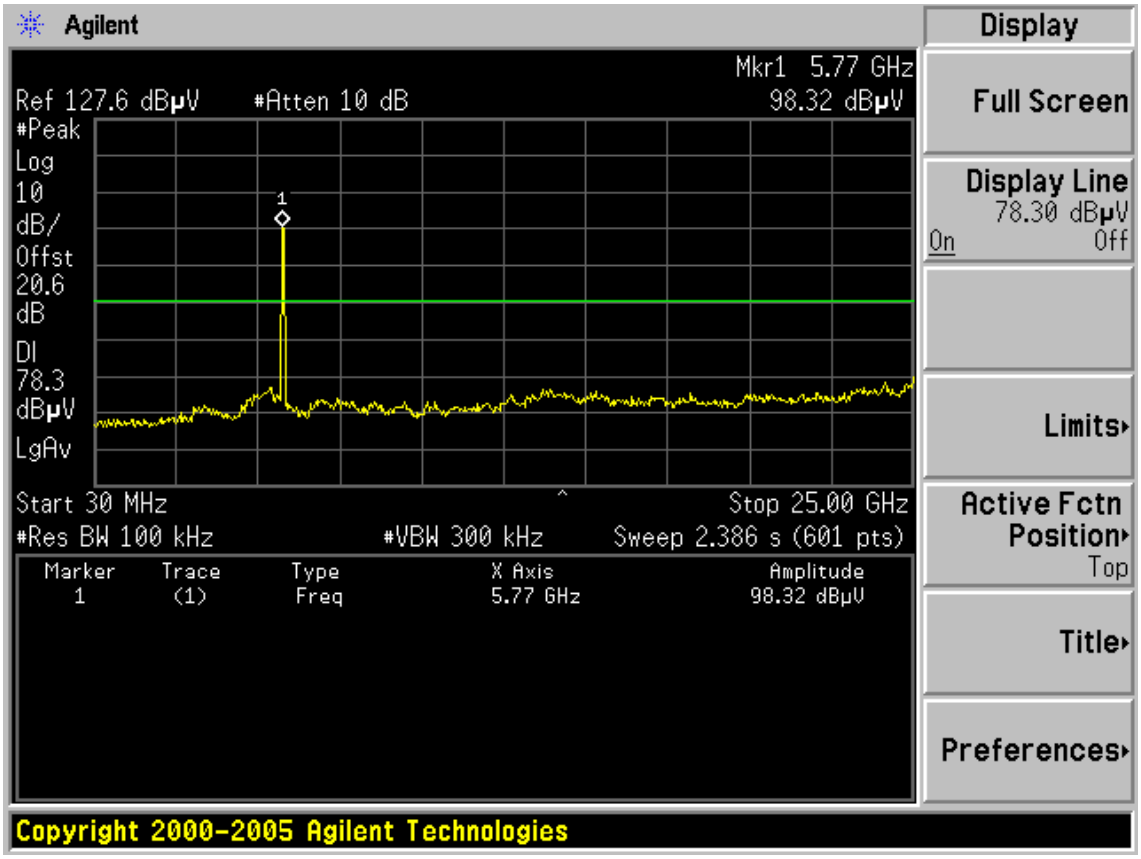

Agilent
L
Display
Mkr1 5.820 03 GHz
Ref 127.6 dBµV
#Atten 10 dB
102.54 dBµV
Full Screen
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
82.5
dBµV
LgAv
Display Line
82.50 dBµV
On
Off
Limits
Center 5.845 00 GHz
Span 70 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 6.72 ms (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.820 03 GHz 102.54 dBµV
2 (1) Freq 5.875 10 GHz 49.88 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies

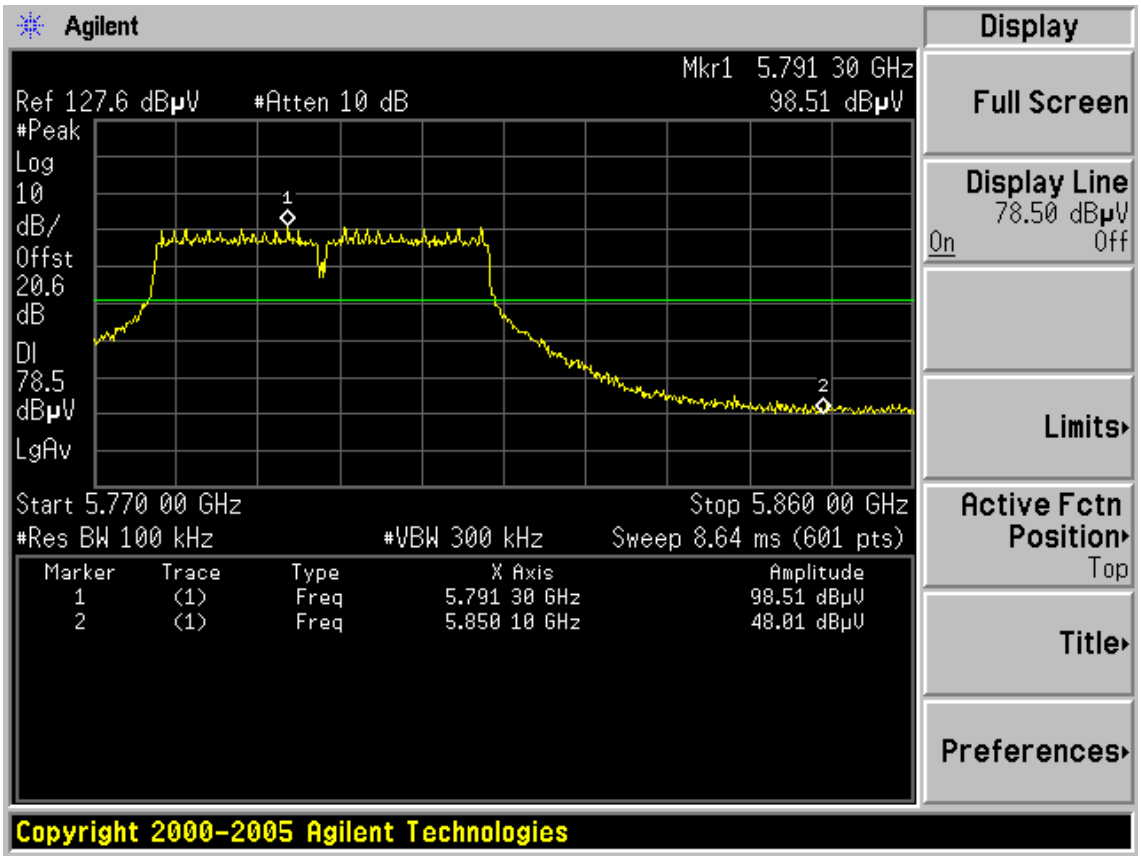
Test Mode: IEEE 802.11n HT40 TX
Test CH151



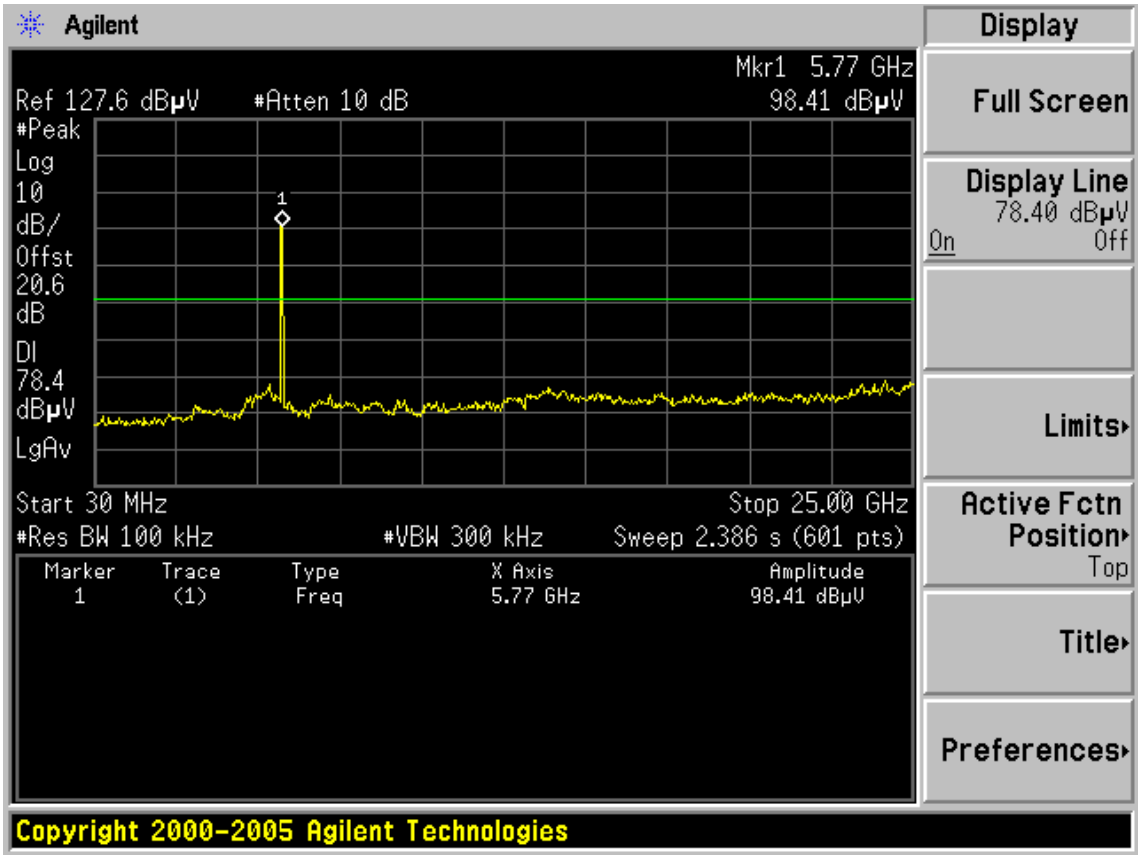


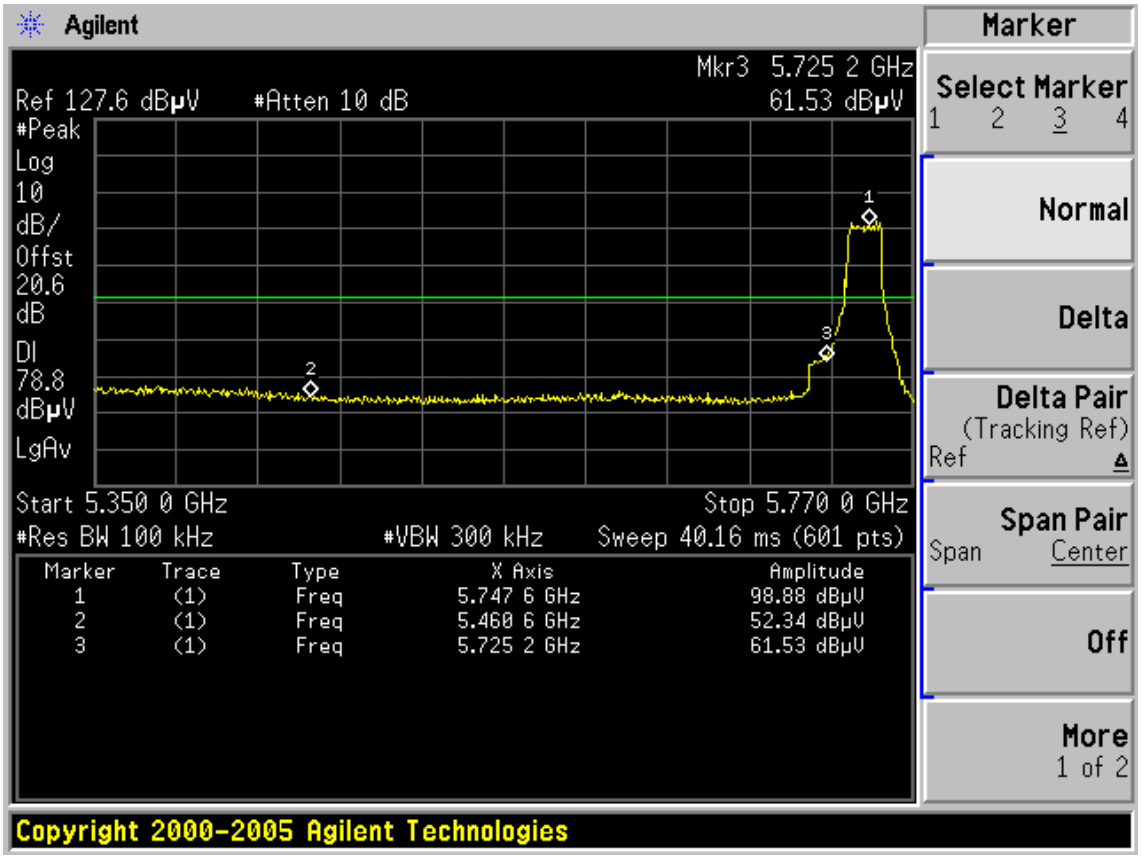
Test CH159


Agilent
Display
Mkr1 5.77 GHz
Ref 127.6 dBµV
#Atten 10 dB
98.32 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
78.3
dBµV
LgAv
Full Screen
Display Line
78.30 dBµV
On
Off
Limits
Active Fctn
Position
Top
Title
Preferences
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.77 GHz 98.32 dBµV
Copyright 2000-2005 Agilent Technologies

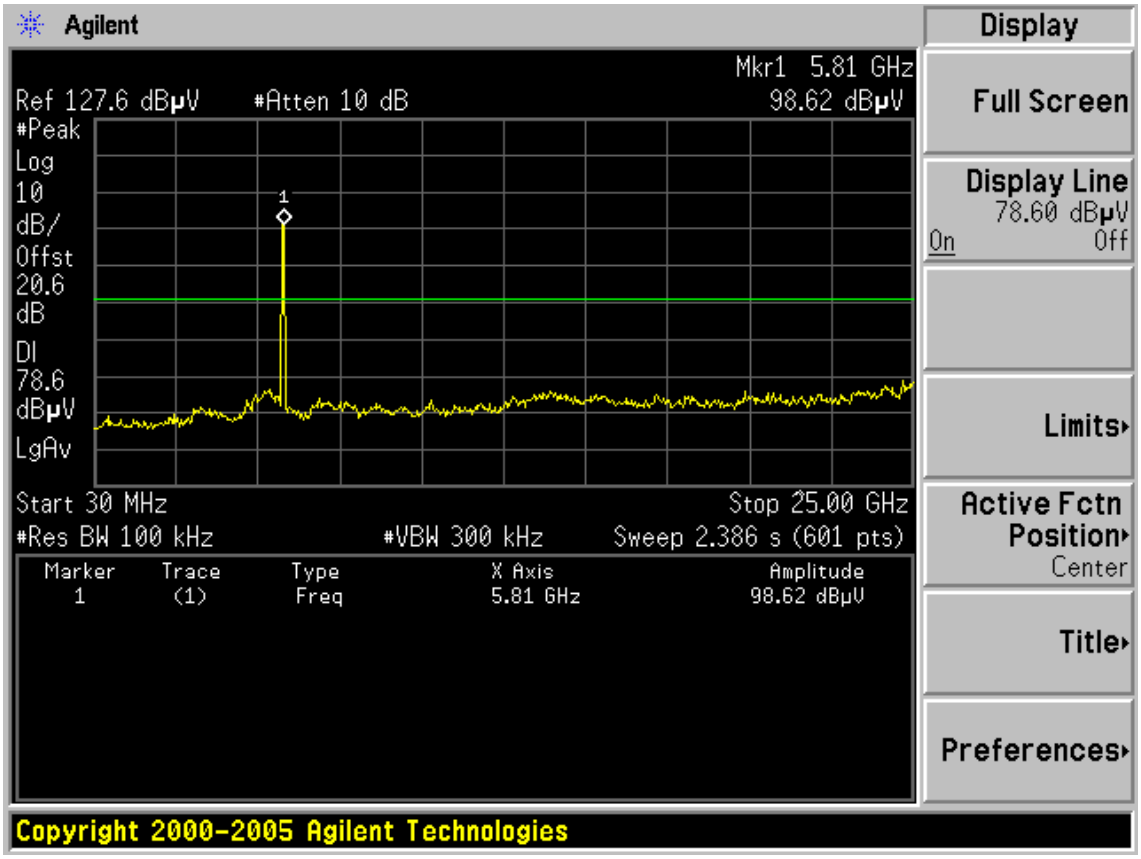

Agilent
Display
Mkr1 5.791 30 GHz
Ref 127.6 dBµV
#Atten 10 dB
98.51 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
78.5
dBµV
LgAv
Full Screen
Display Line
78.50 dBµV
On
Off
Limits
Active Fctn
Position
Top
Title
Preferences
Start 5.770 00 GHz
Stop 5.860 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 8.64 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.791 30 GHz 98.51 dBµV
2 (1) Freq 5.850 10 GHz 48.01 dBµV
Copyright 2000-2005 Agilent Technologies

Chain 2:
Test Mode: IEEE 802.11a TX
Test CH149

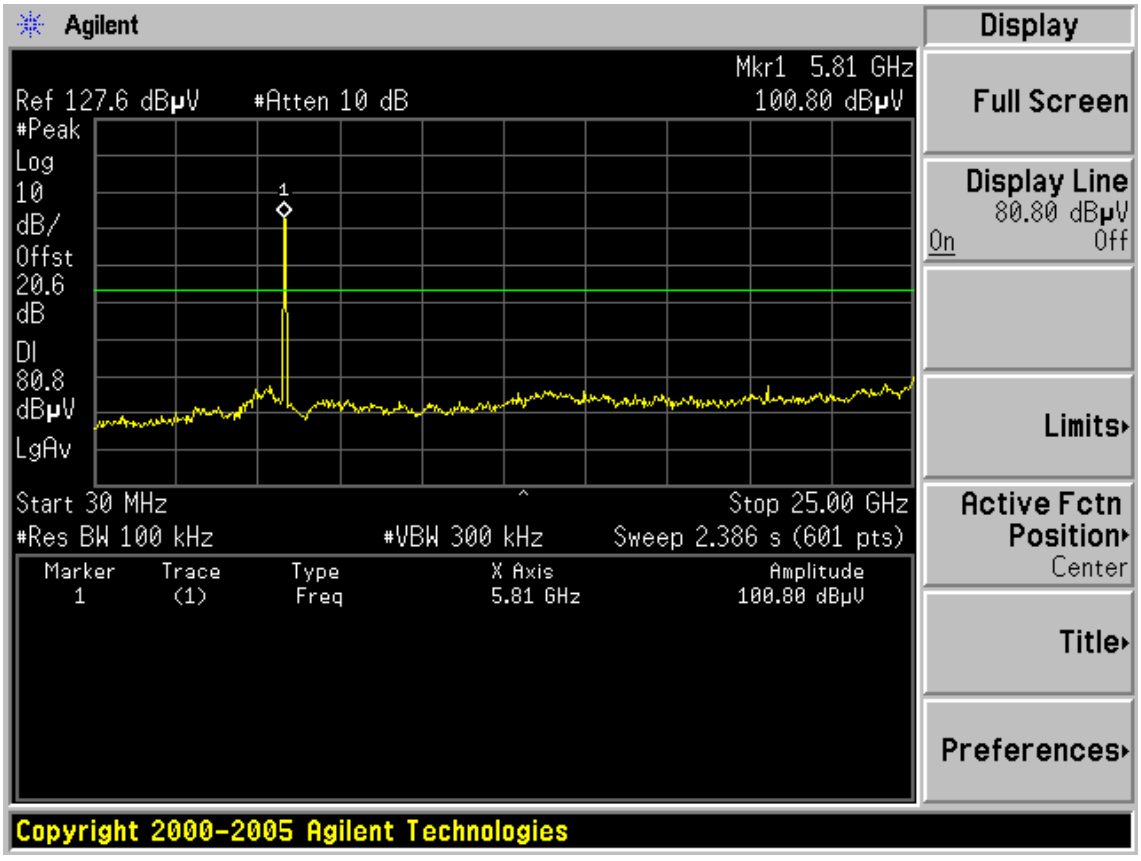


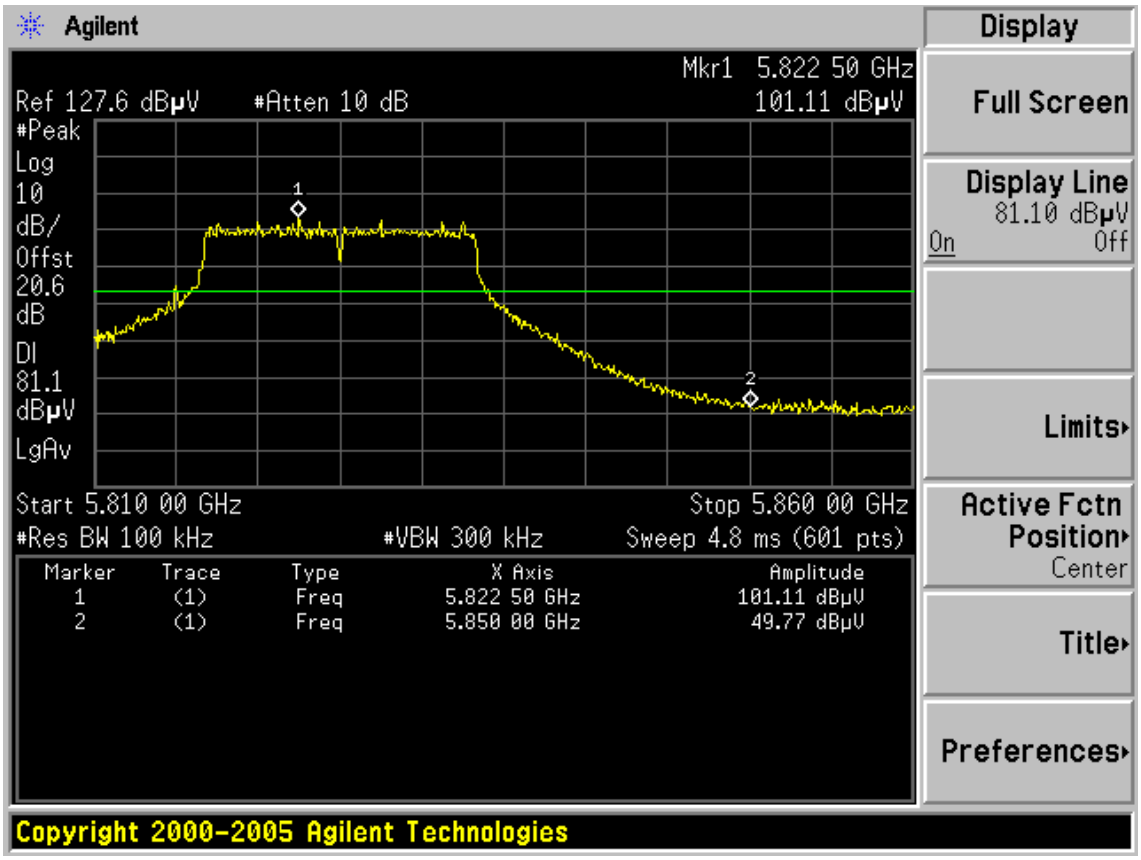


Test CH157

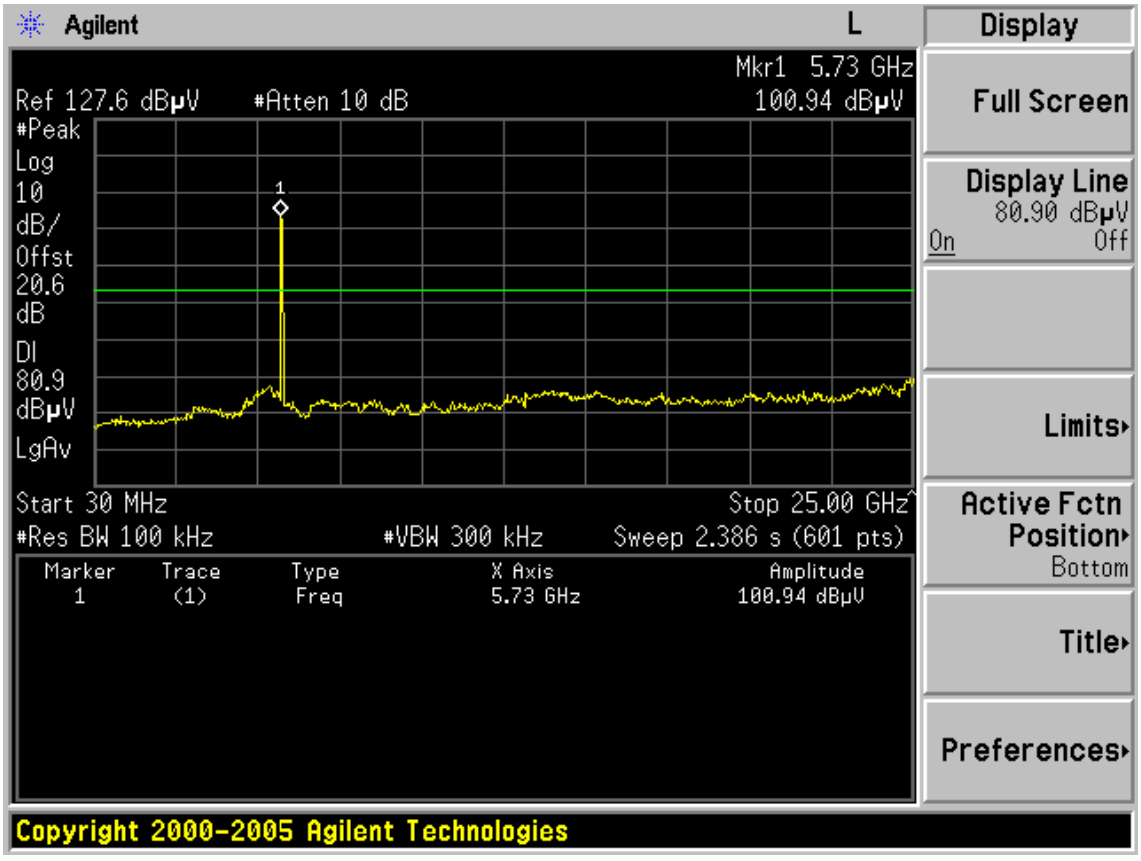


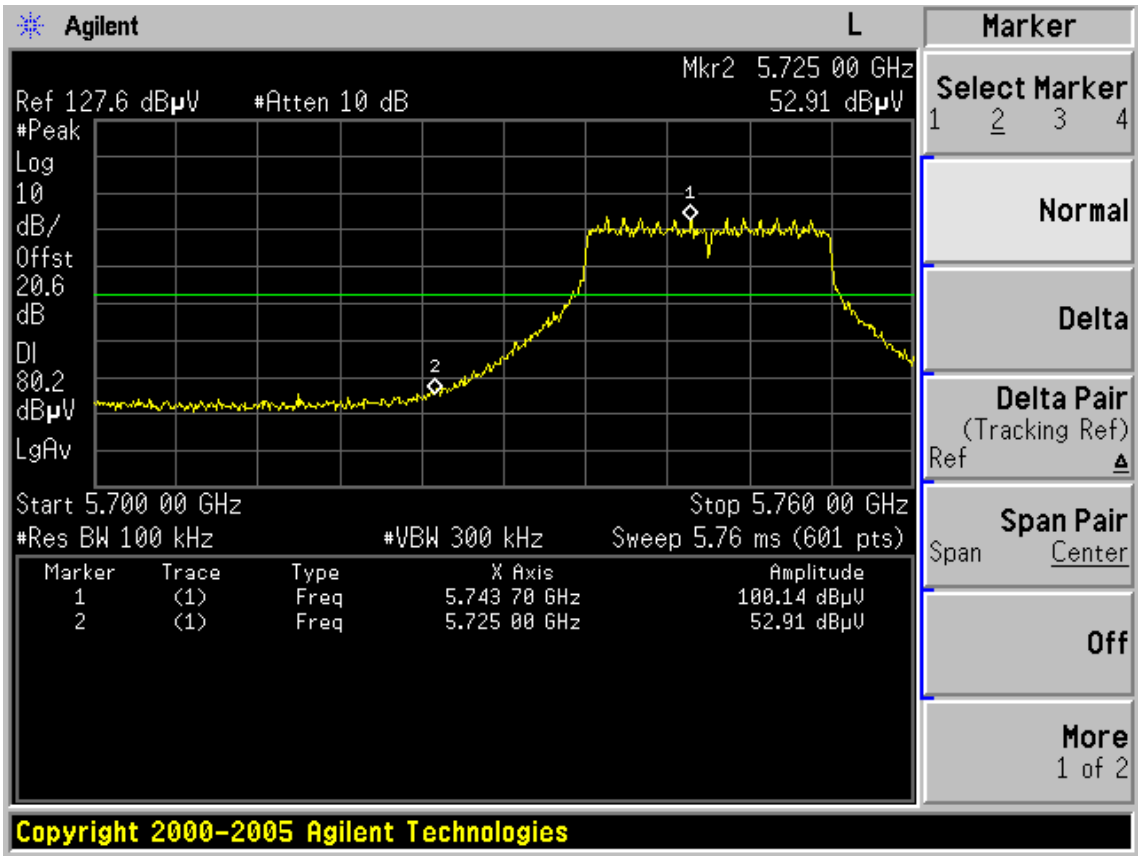
Test CH165



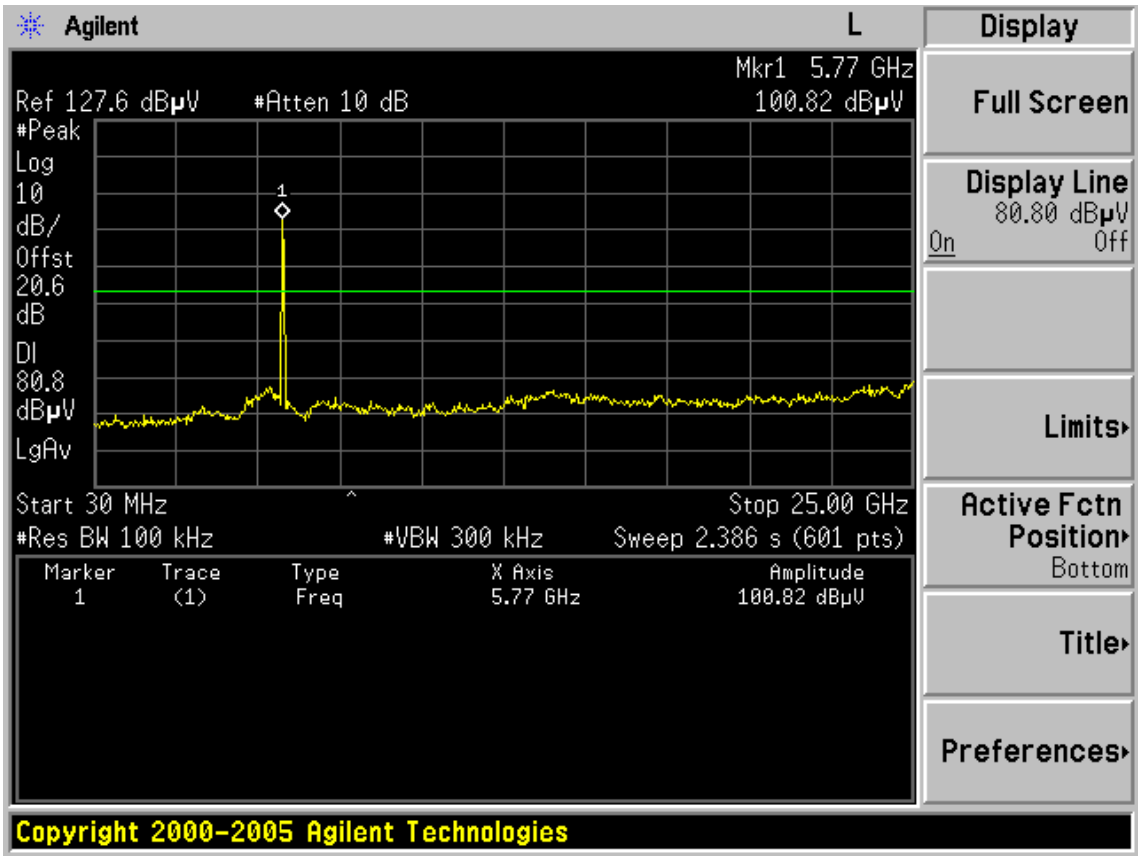


Test Mode: IEEE 802.11n HT20 TX
Test CH149

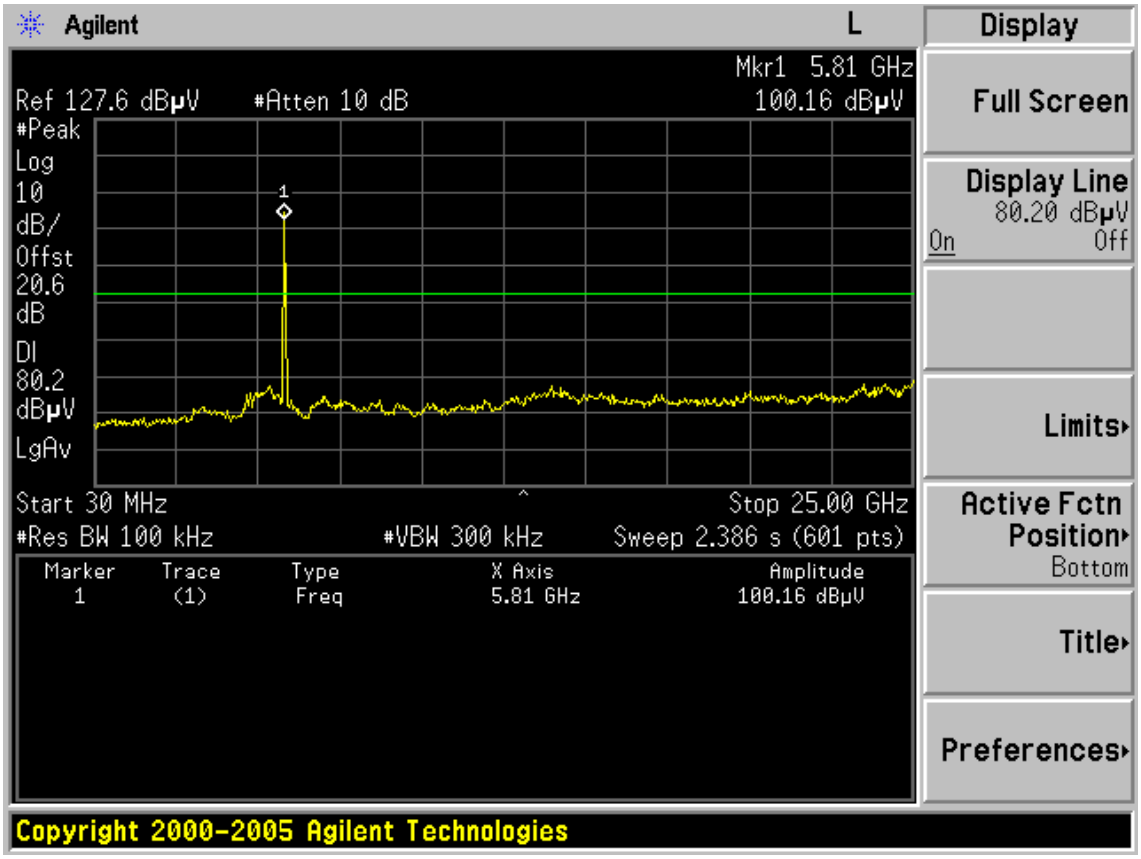


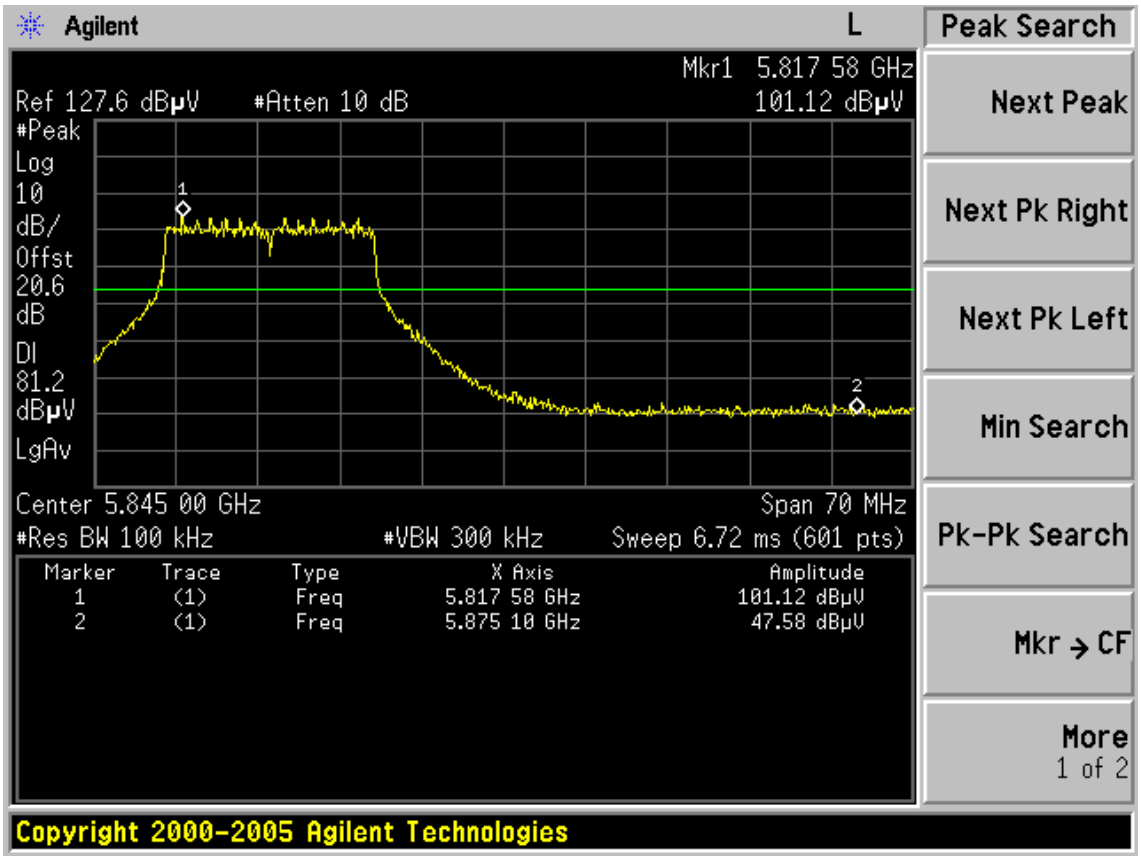

Agilent
L
Marker
Mkr2 5.725 00 GHz
52.91 dBµV
Ref 127.6 dBµV
#Atten 10 dB
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
80.2
dBµV
LgAv
Start 5.700 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.760 00 GHz
Sweep 5.76 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.743 70 GHz 100.14 dBµV
2 (1) Freq 5.725 00 GHz 52.91 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies

Test CH157


Agilent
L
Display
Mkr1 5.77 GHz
100.82 dBµV
Ref 127.6 dBµV
#Atten 10 dB
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
80.8
dBµV
LgAv
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.00 GHz
Sweep 2.386 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.77 GHz 100.82 dBµV
Full Screen
Display Line
80.80 dBµV
On Off
Limits
Active Fctn
Position
Bottom
Title
Preferences
Copyright 2000-2005 Agilent Technologies

Test CH165


Agilent
L
Display
Mkr1 5.81 GHz
Ref 127.6 dBµV
#Atten 10 dB
100.16 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
80.2
dBµV
LgAv
Full Screen
Display Line
80.20 dBµV
On
Off
Limits
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Active Fctn
Position
Bottom
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.81 GHz 100.16 dBµV
Title
Preferences
Copyright 2000-2005 Agilent Technologies


Agilent
L
Peak Search
Mkr1 5.817 58 GHz
Ref 127.6 dBµV
#Atten 10 dB
101.12 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
81.2
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Center 5.845 00 GHz
Span 70 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 6.72 ms (601 pts)
Pk-Pk Search
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.817 58 GHz 101.12 dBµV
2 (1) Freq 5.875 10 GHz 47.58 dBµV
Mkr → CF
More
1 of 2
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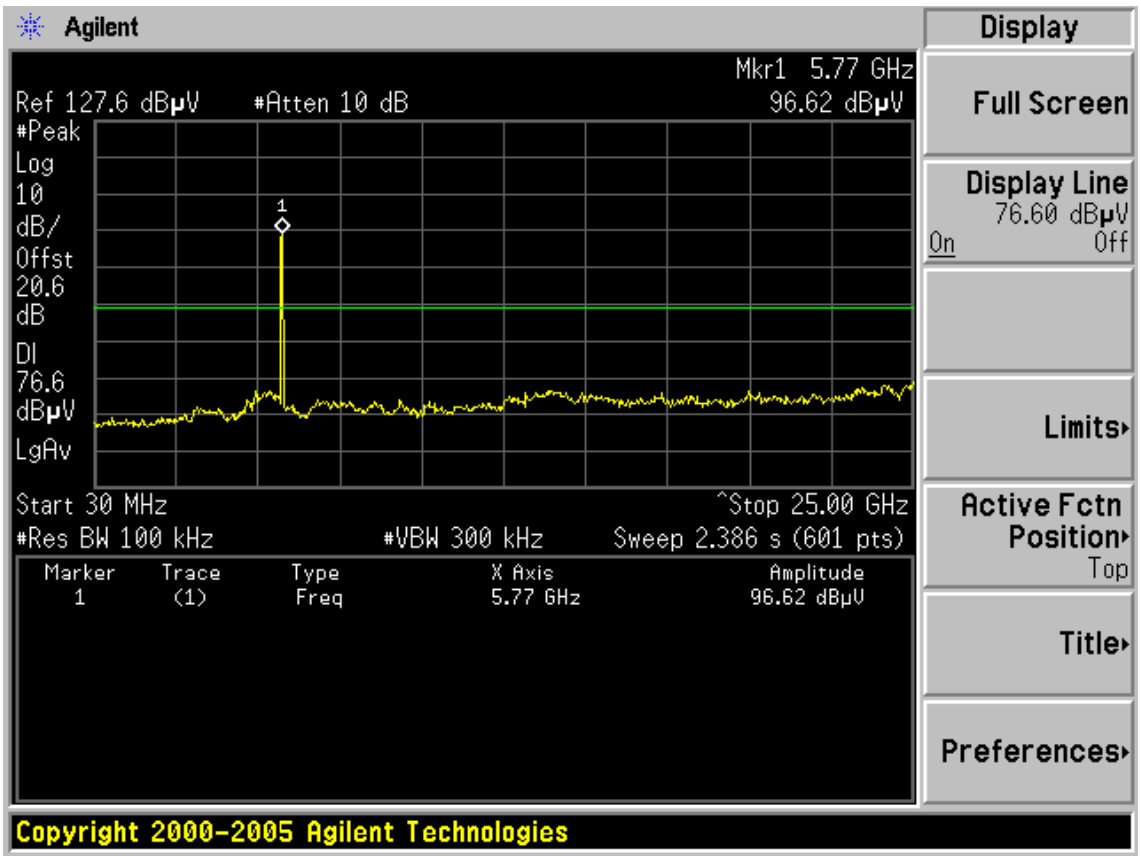
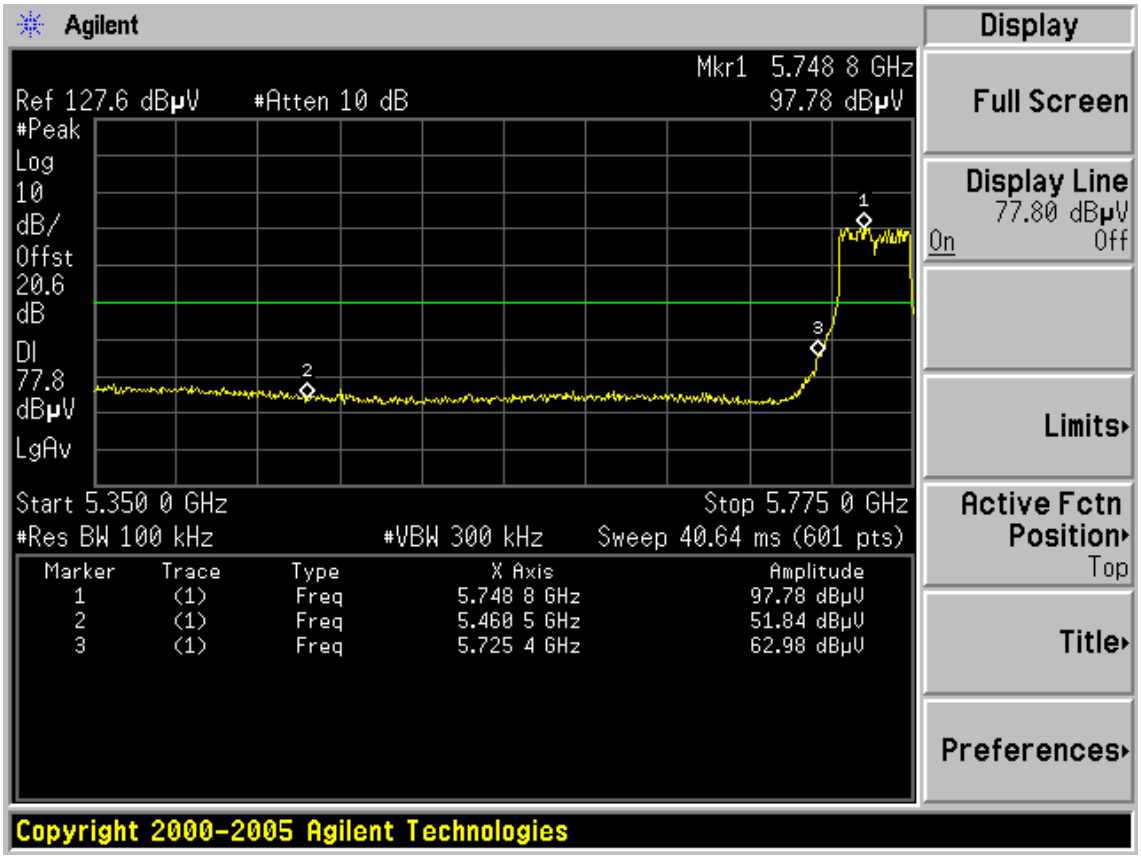
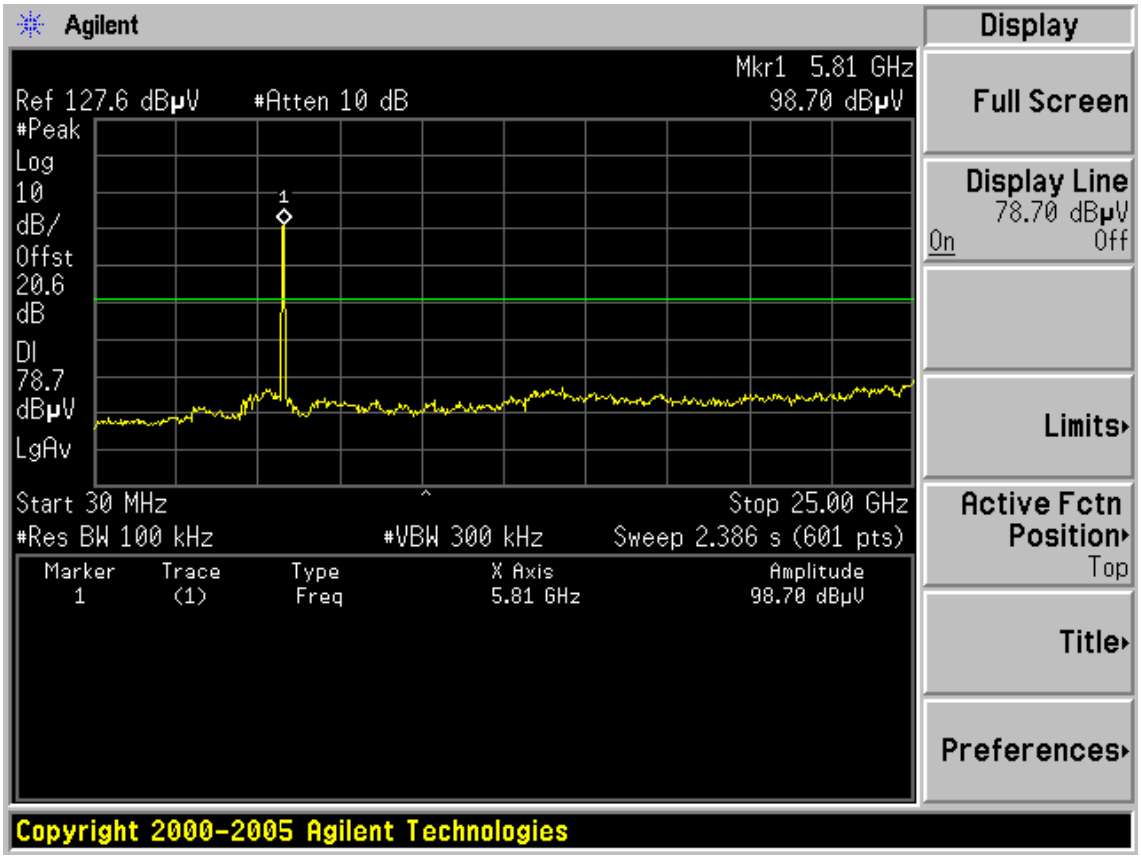
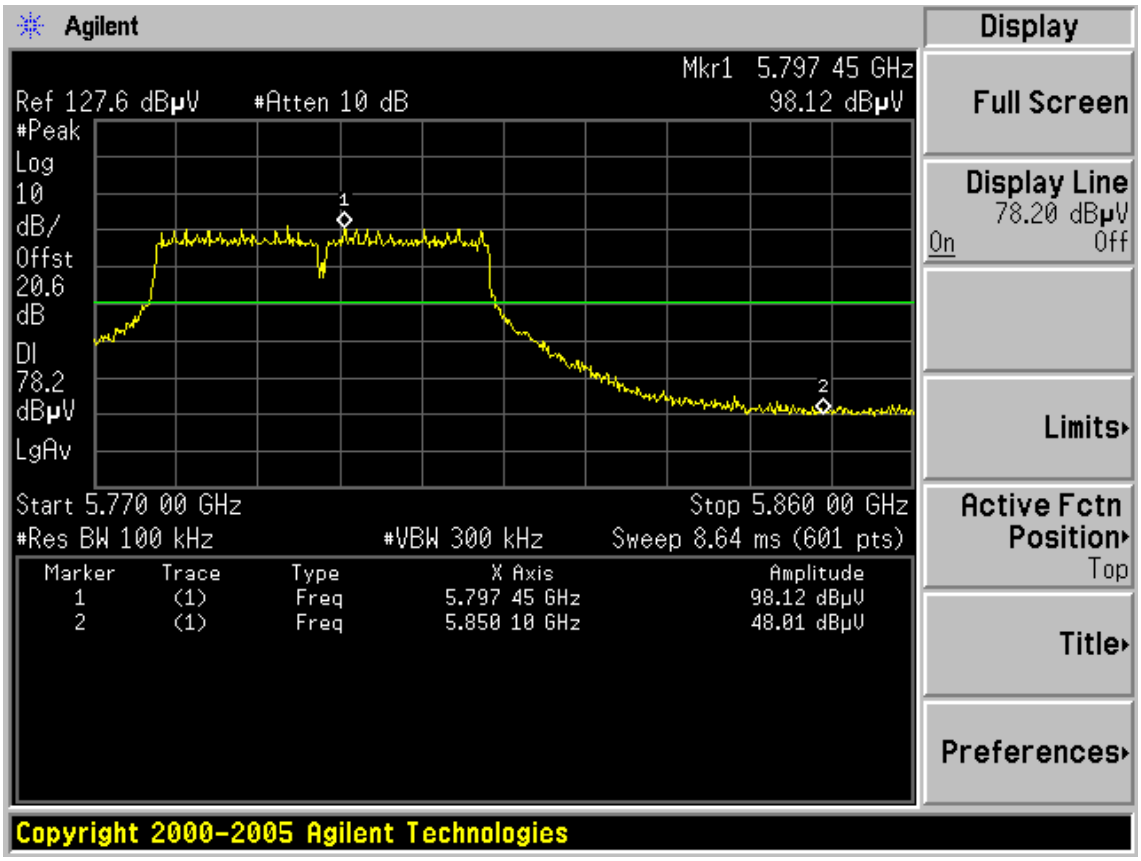
Test Mode: IEEE 802.11n HT40 TX
Test CH151





Test CH159


Agilent
Display
Mkr1 5.81 GHz
Ref 127.6 dBµV
#Atten 10 dB
98.70 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
78.7
dBµV
LgAv
Full Screen
Display Line
78.70 dBµV
On
Off
Limits
Active Fctn
Position
Top
Title
Preferences
Start 30 MHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.386 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.81 GHz 98.70 dBµV
Copyright 2000-2005 Agilent Technologies


Agilent
Display
Mkr1 5.797 45 GHz
Ref 127.6 dBµV
#Atten 10 dB
98.12 dBµV
#Peak
Log
10
dB/
Offst
20.6
dB
Dl
78.2
dBµV
LgAv
Full Screen
Display Line
78.20 dBµV
On
Off
Limits
Active Fctn
Position
Top
Title
Preferences
Start 5.770 00 GHz
Stop 5.860 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 8.64 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 5.797 45 GHz 98.12 dBµV
2 (1) Freq 5.850 10 GHz 48.01 dBµV
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.08,10	1 Year
2.	Horn Antenna	EMCO	3115	9607-4877	Nov.25, 09	1.5 Year
3.	Amplifier	Agilent	8449B	3008A02495	May.08, 10	1 Year
4.	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.08,10	1 Year
5.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,10	1 Year
6.	RF Cable	Hubersuhner	SUCOFLEX102	28610/2	May.08,10	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.

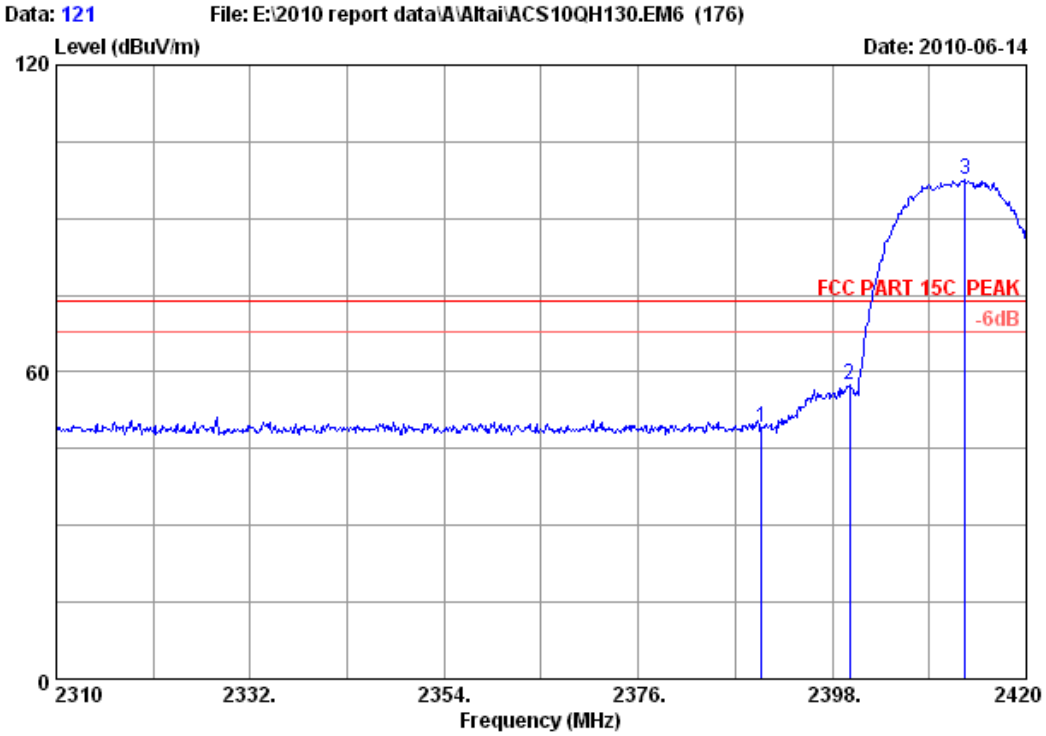
6.3.Test Produce

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 upperband-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.)
All the emissions outside operation frequency band were comply with 15.209 limit

No.6 Ke Feng Road,Block 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 121
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	47.14	49.16	74.00	24.84	Peak
2	2400.000	29.44	8.72	36.09	55.49	57.56	74.00	16.44	Peak
3	2413.070	29.45	8.72	35.95	95.34	97.56	74.00	-23.56	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.

No.6 Ke Feng Road,Block 52,
ShenZhen Science & Industry Park
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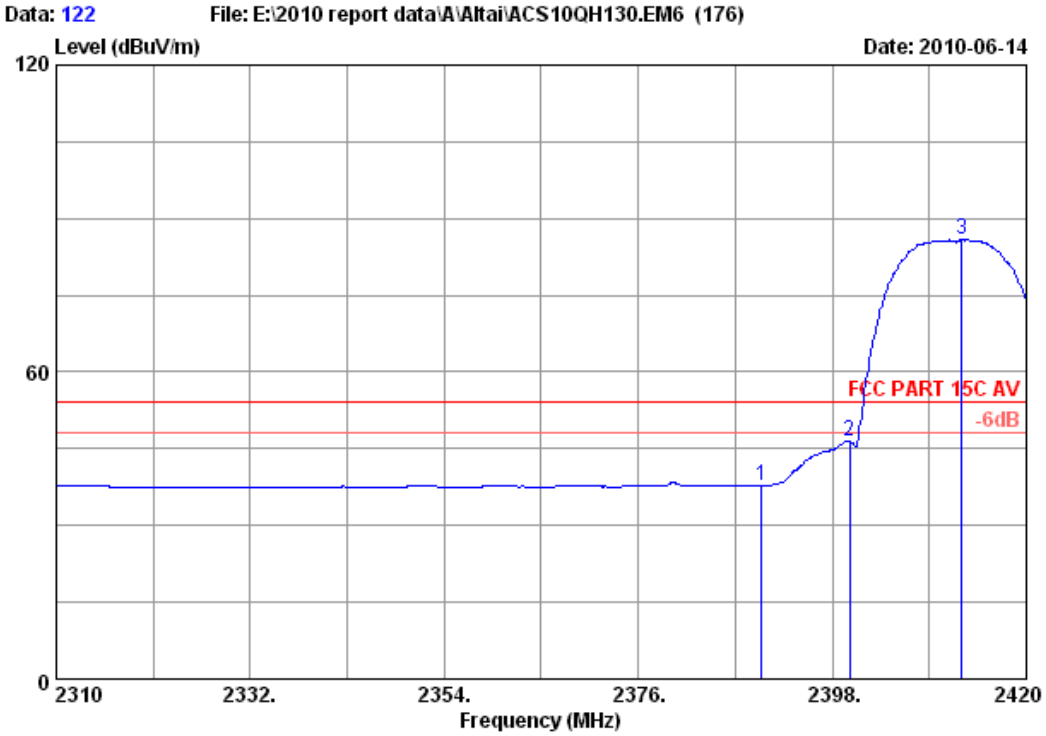
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 122
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	35.84	37.86	54.00	16.14	Average
2	2400.000	29.44	8.72	36.09	44.26	46.33	54.00	7.67	Average
3	2412.630	29.45	8.72	35.95	83.62	85.84	54.00	-31.84	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.

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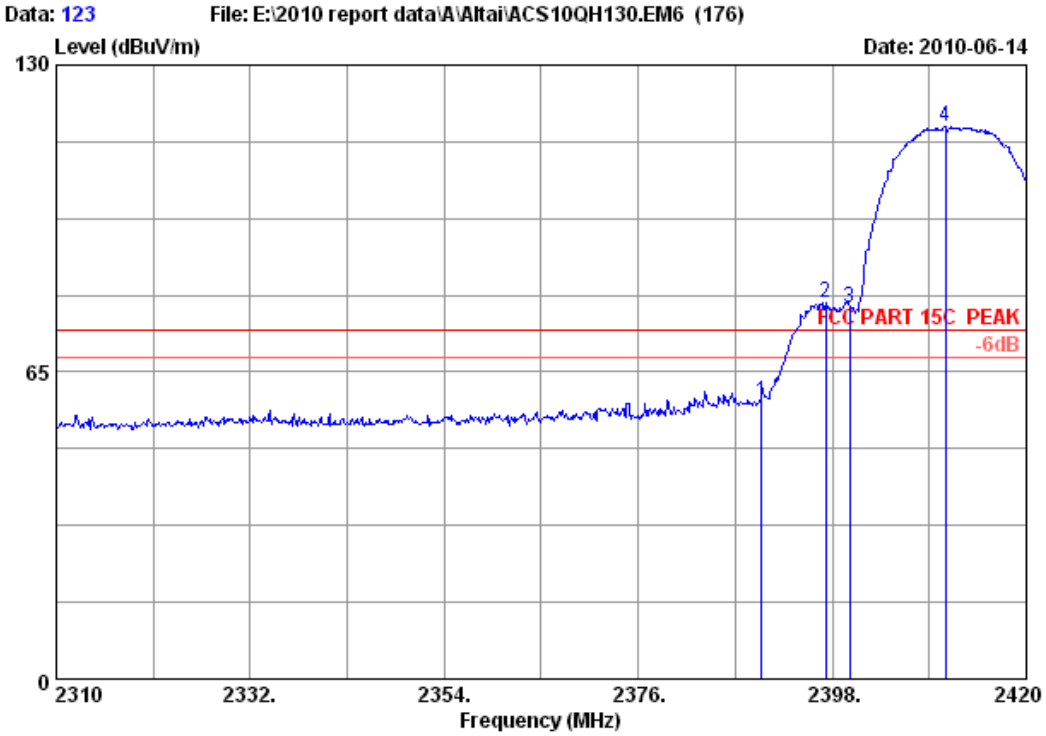

Site no. : 3m Chamber Data no. : 123
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	56.71	58.73	74.00	15.27	Peak
2	2397.230	29.44	8.72	36.09	77.71	79.78	74.00	-5.78	Peak
3	2400.000	29.44	8.72	36.09	76.68	78.75	74.00	-4.75	Peak
4	2410.870	29.45	8.72	35.95	114.80	117.02	74.00	-43.02	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.

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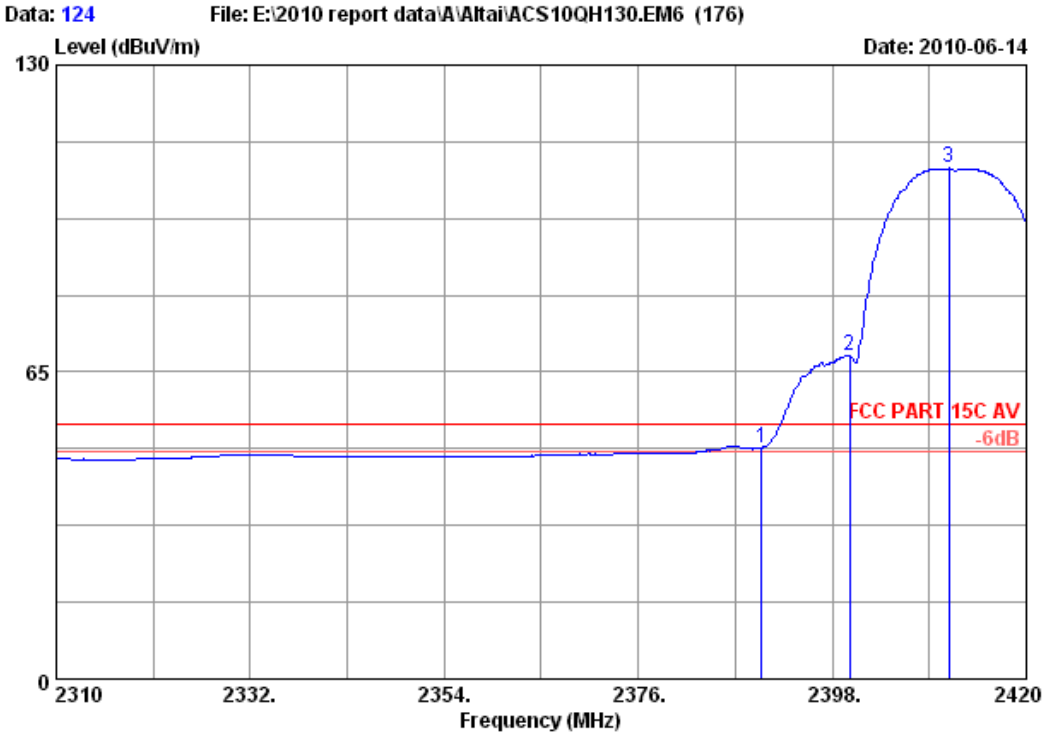

Site no. : 3m Chamber Data no. : 124
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	46.99	49.01	54.00	4.99	Average
2	2400.000	29.44	8.72	36.09	66.20	68.27	54.00	-14.27	Average
3	2411.200	29.45	8.72	35.95	105.89	108.11	54.00	-54.11	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.

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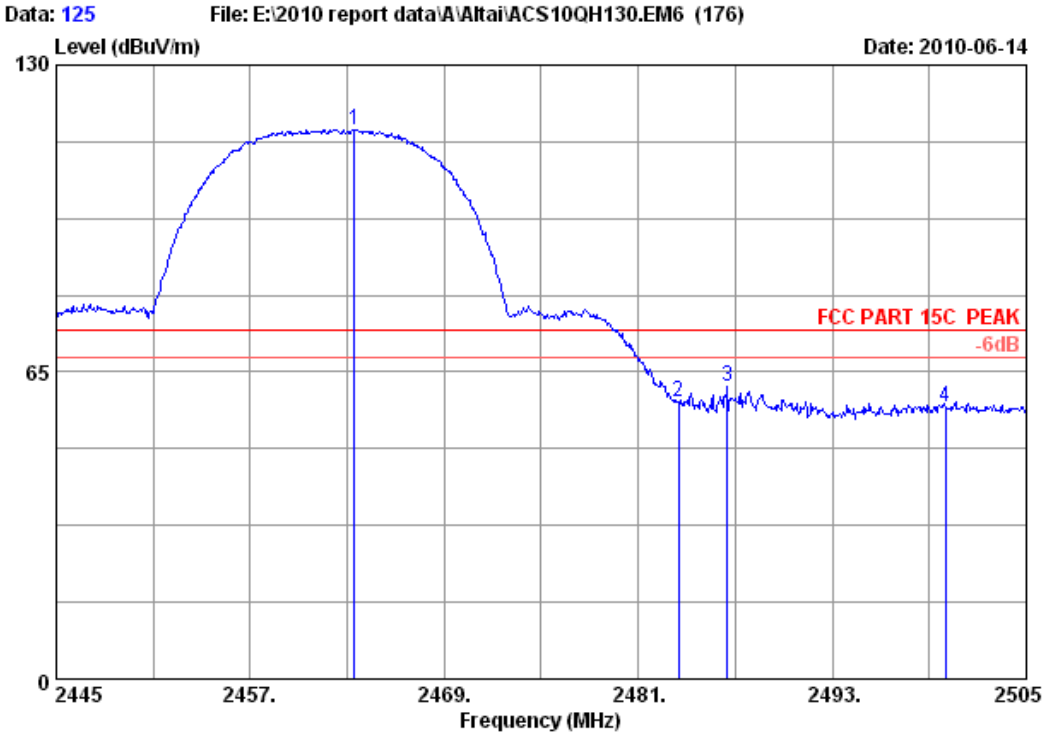

Site no. : 3m Chamber Data no. : 125
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx
M/N : AP5822

	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	2463.420	29.48	8.82	36.02	114.13	116.41	74.00	-42.41	Peak
2	2483.500	29.49	8.87	35.97	56.20	58.59	74.00	15.41	Peak
3	2486.520	29.49	8.87	35.97	59.45	61.84	74.00	12.16	Peak
4	2500.000	29.50	8.92	36.00	55.07	57.49	74.00	16.51	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.

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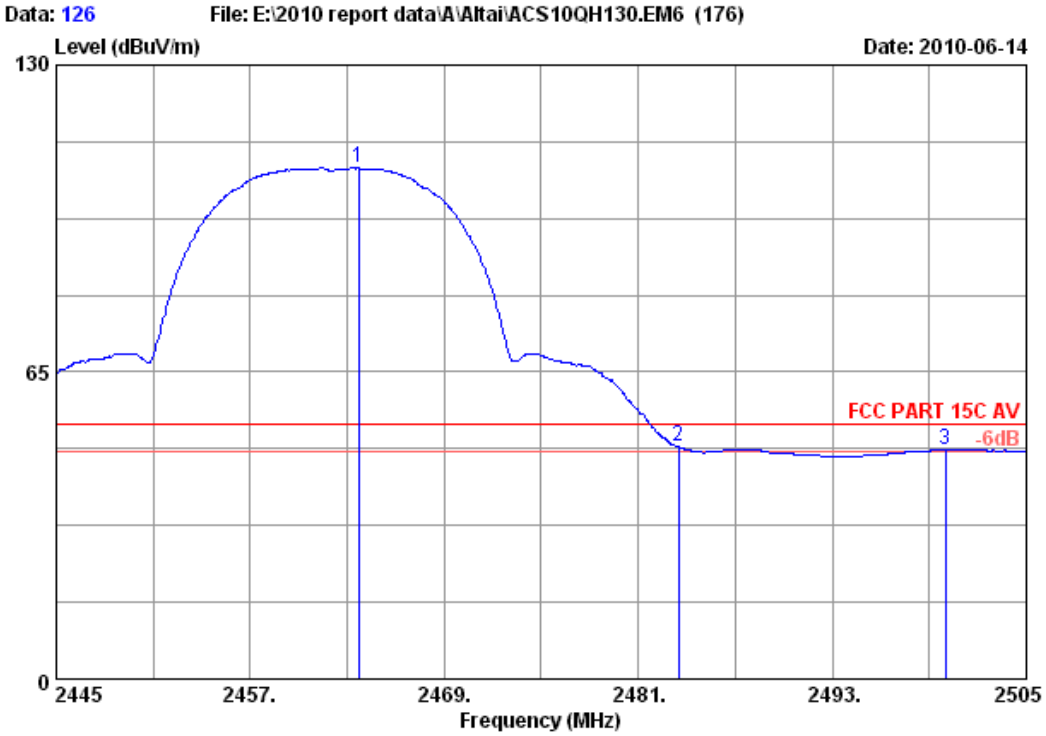

Site no. : 3m Chamber Data no. : 126
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx
M/N : AP5822

	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	2463.720	29.48	8.82	36.02	106.02	108.30	54.00	-54.30	Average
2	2483.500	29.49	8.87	35.97	46.71	49.10	54.00	4.90	Average
3	2500.000	29.50	8.92	36.00	46.00	48.42	54.00	5.58	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.

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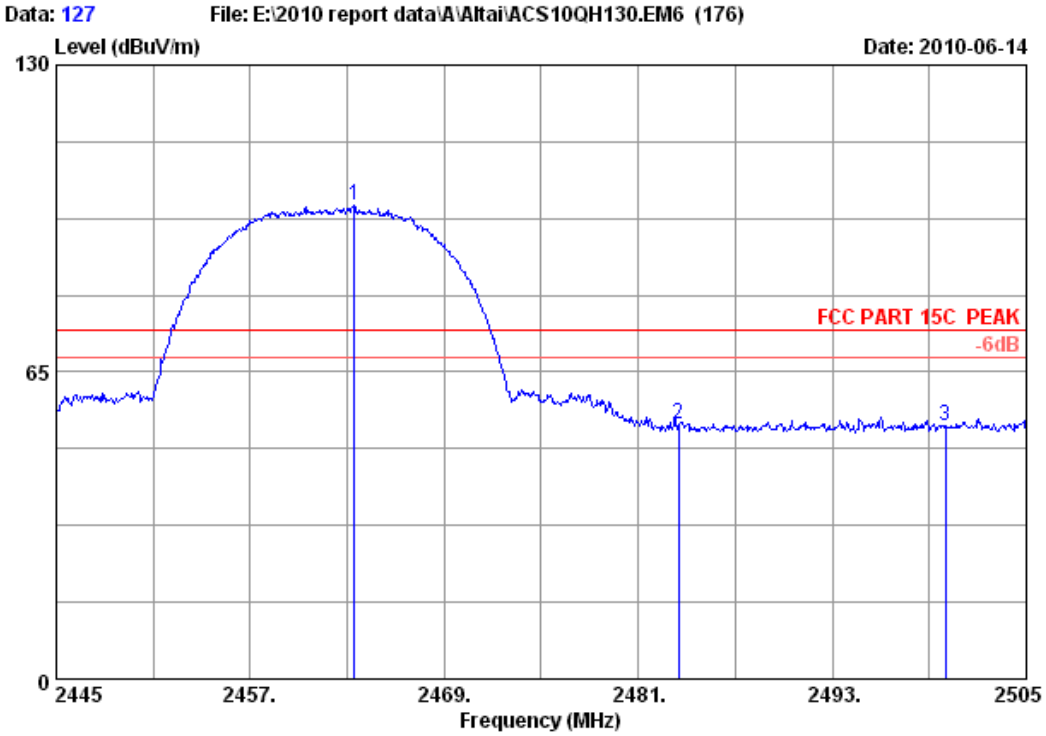

Site no. : 3m Chamber Data no. : 127
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx
M/N : AP5822

	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	2463.420	29.48	8.82	36.02	97.95	100.23	74.00	-26.23	Peak
2	2483.500	29.49	8.87	35.97	51.66	54.05	74.00	19.95	Peak
3	2500.000	29.50	8.92	36.00	51.06	53.48	74.00	20.52	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.

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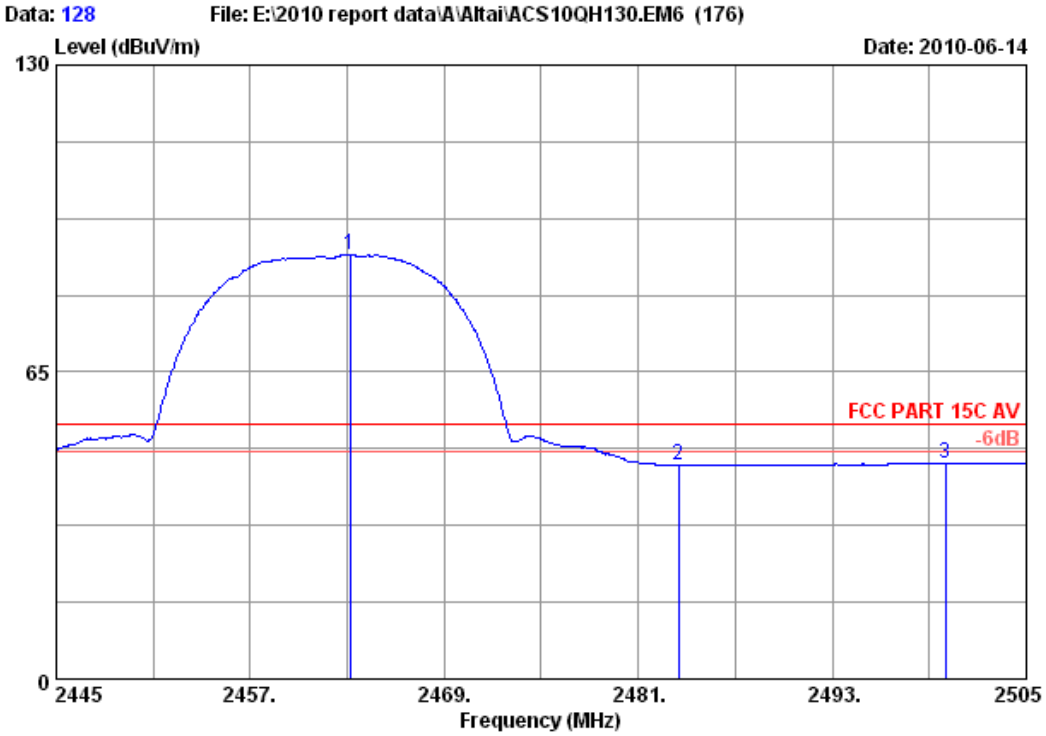

Site no. : 3m Chamber Data no. : 128
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz Tx
M/N : AP5822

	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	2463.180	29.48	8.82	36.02	87.50	89.78	54.00	-35.78	Average
2	2483.500	29.49	8.87	35.97	42.94	45.33	54.00	8.67	Average
3	2500.000	29.50	8.92	36.00	43.19	45.61	54.00	8.39	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.

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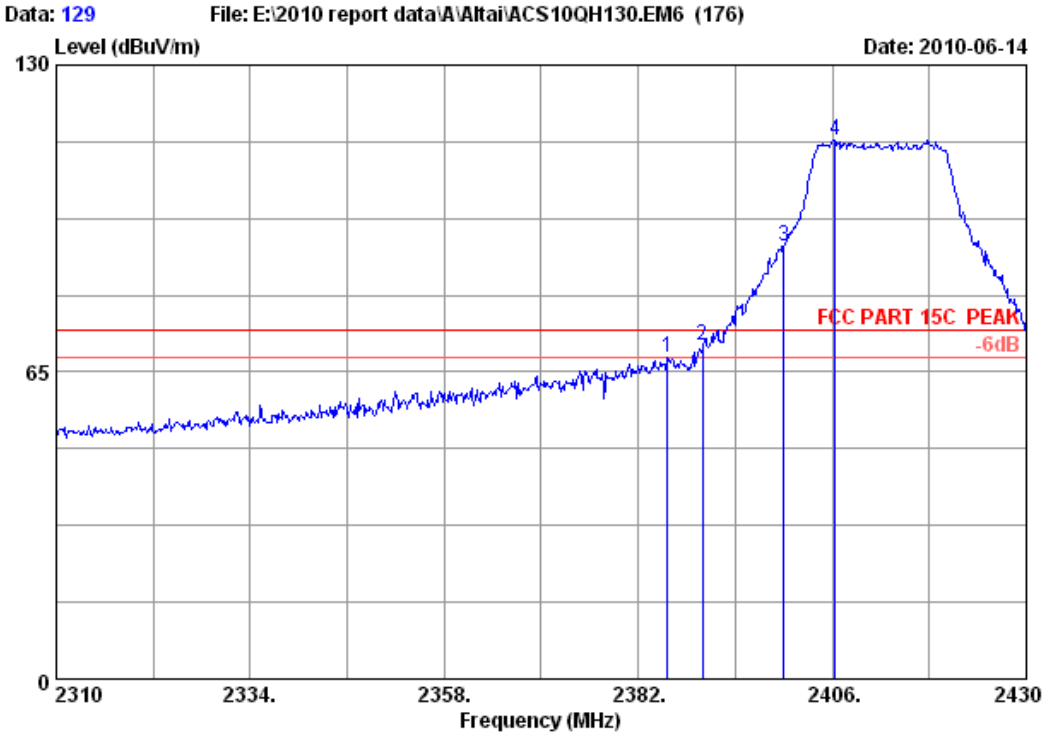

Site no. : 3m Chamber Data no. : 129
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx
M/N : AP5822

	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	2385.600	29.44	8.67	36.09	65.96	67.98	74.00	6.02	Peak
2	2390.000	29.44	8.67	36.09	68.48	70.50	74.00	3.50	Peak
3	2400.000	29.44	8.72	36.09	89.69	91.76	74.00	-17.76	Peak
4	2406.360	29.45	8.72	35.95	111.99	114.21	74.00	-40.21	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.

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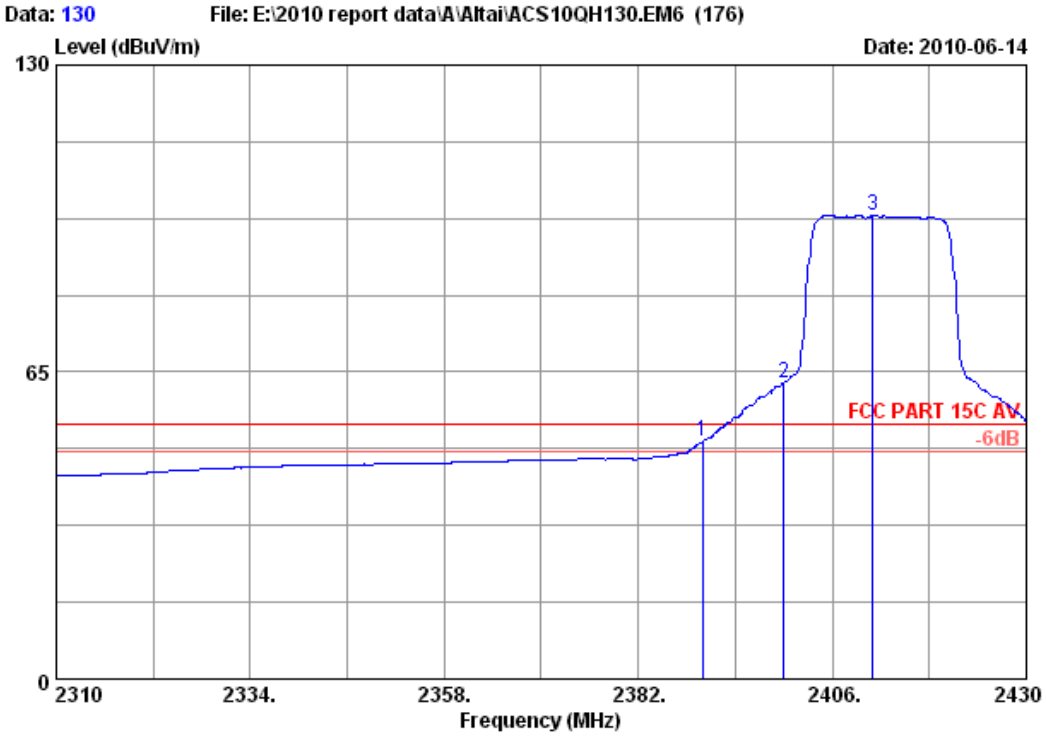

Site no. : 3m Chamber Data no. : 130
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	48.23	50.25	54.00	3.75	Average
2	2400.000	29.44	8.72	36.09	60.73	62.80	54.00	-8.80	Average
3	2411.040	29.45	8.72	35.95	96.09	98.31	54.00	-44.31	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.

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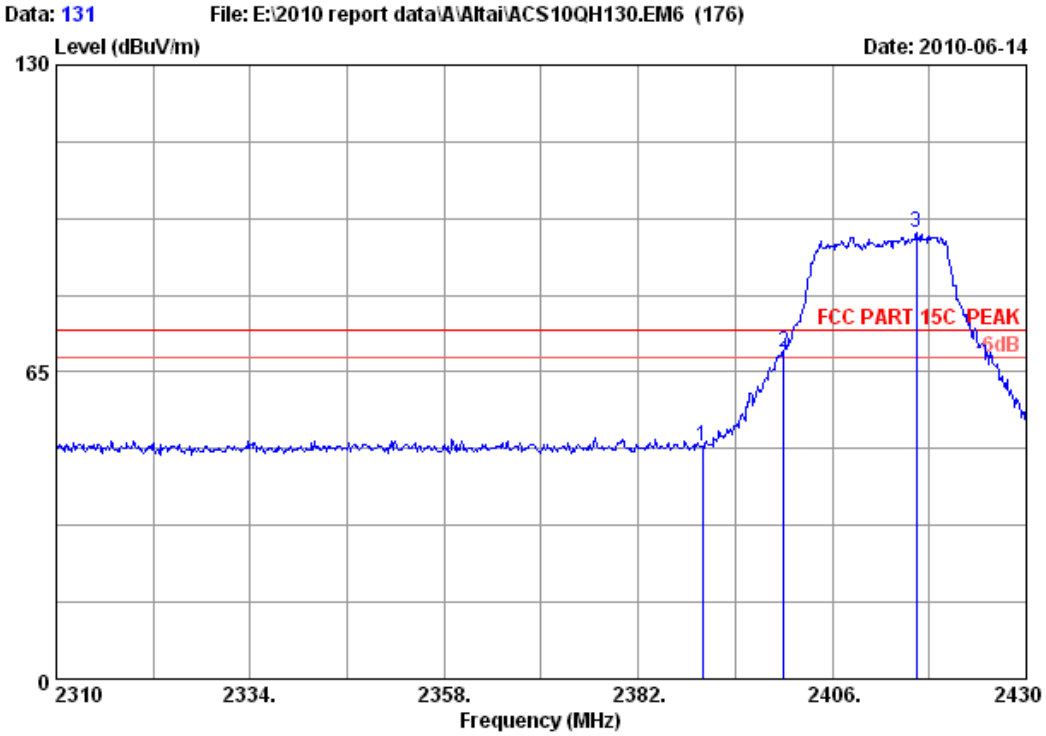

Site no. : 3m Chamber Data no. : 131
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	47.31	49.33	74.00	24.67	Peak
2	2400.000	29.44	8.72	36.09	67.19	69.26	74.00	4.74	Peak
3	2416.440	29.45	8.72	35.95	92.16	94.38	74.00	-20.38	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.

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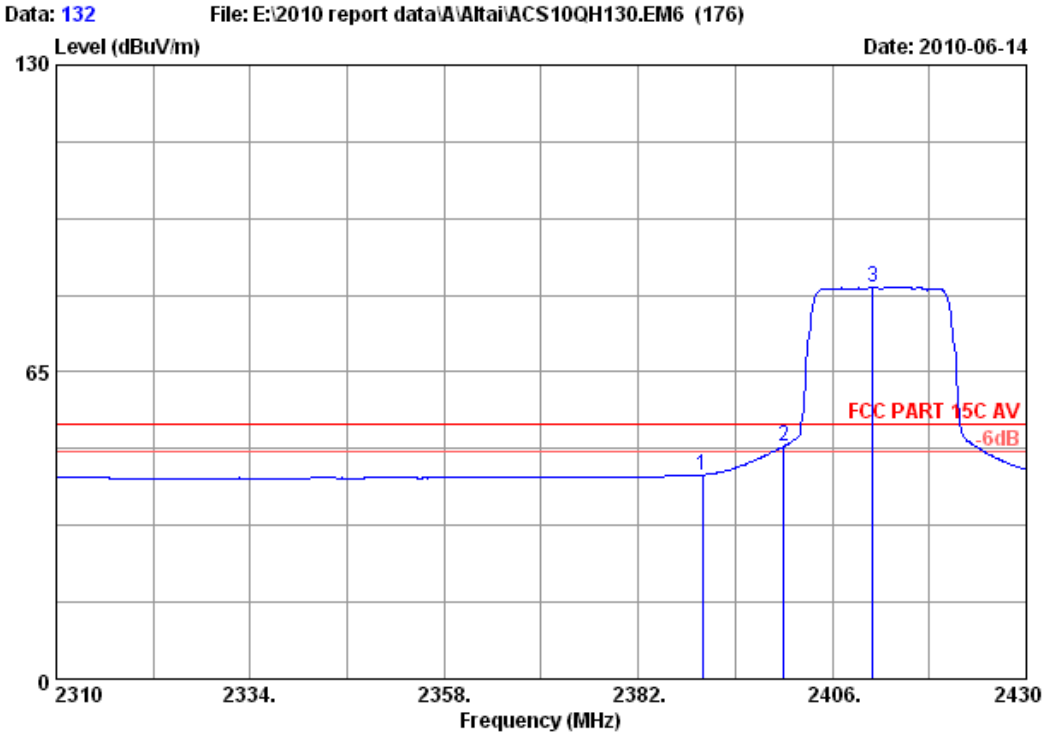

Site no. : 3m Chamber Data no. : 132
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	41.21	43.23	54.00	10.77	Average
2	2400.000	29.44	8.72	36.09	47.21	49.28	54.00	4.72	Average
3	2411.040	29.45	8.72	35.95	80.86	83.08	54.00	-29.08	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.

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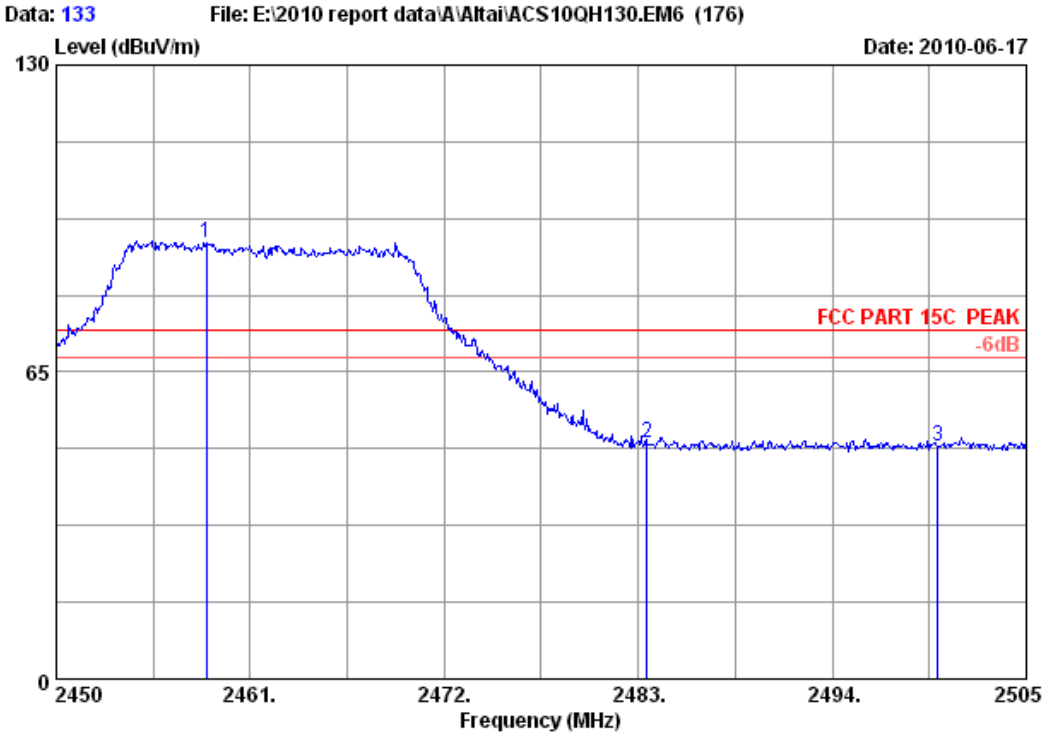

Site no. : 3m Chamber Data no. : 133
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx
M/N : AP5822

	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	2458.525	29.48	8.82	36.02	90.21	92.49	74.00	-18.49	Peak
2	2483.500	29.49	8.87	35.97	47.67	50.06	74.00	23.94	Peak
3	2500.000	29.50	8.92	36.00	46.70	49.12	74.00	24.88	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.

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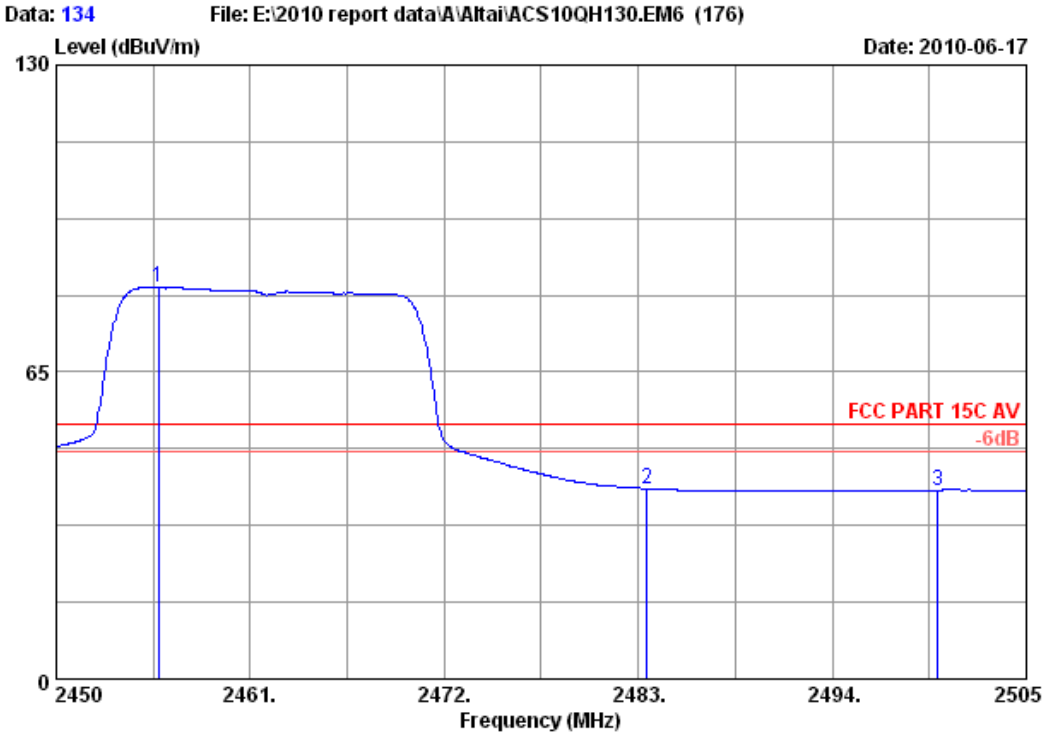

Site no. : 3m Chamber Data no. : 134
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx
M/N : AP5822

	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	2455.775	29.48	8.82	36.02	80.75	83.03	54.00	-29.03	Average
2	2483.500	29.49	8.87	35.97	37.91	40.30	54.00	13.70	Average
3	2500.000	29.50	8.92	36.00	37.58	40.00	54.00	14.00	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.

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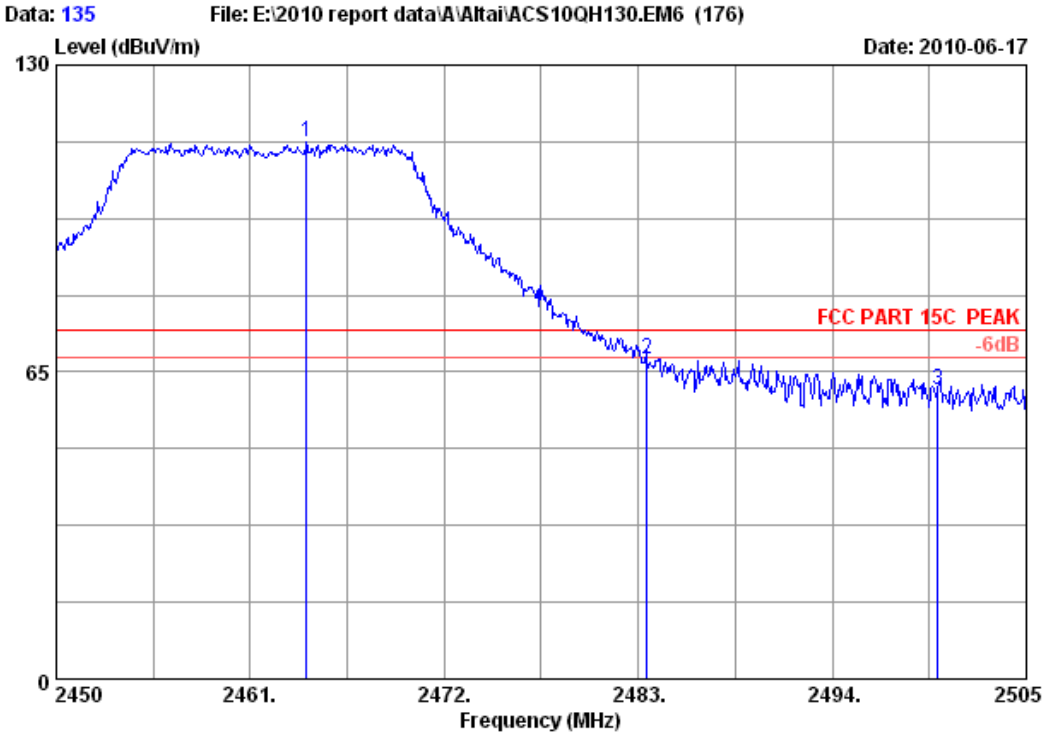

Site no. : 3m Chamber Data no. : 135
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx
M/N : AP5822

	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	2464.190	29.48	8.82	36.02	111.40	113.68	74.00	-39.68	Peak
2	2483.500	29.49	8.87	35.97	65.22	67.61	74.00	6.39	Peak
3	2500.000	29.50	8.92	36.00	58.65	61.07	74.00	12.93	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.

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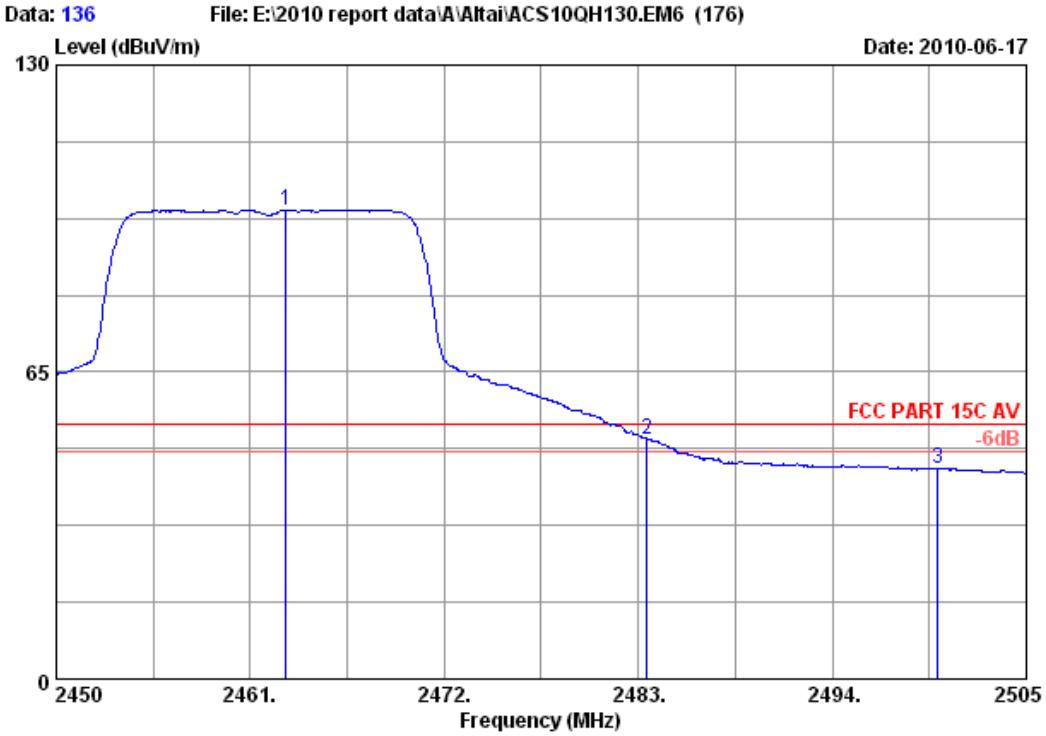

Site no. : 3m Chamber Data no. : 136
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz Tx
M/N : AP5822

	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	2463.035	29.48	8.82	36.02	97.06	99.34	54.00	-45.34	Average
2	2483.500	29.49	8.87	35.97	48.43	50.82	54.00	3.18	Average
3	2500.000	29.50	8.92	36.00	42.01	44.43	54.00	9.57	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.

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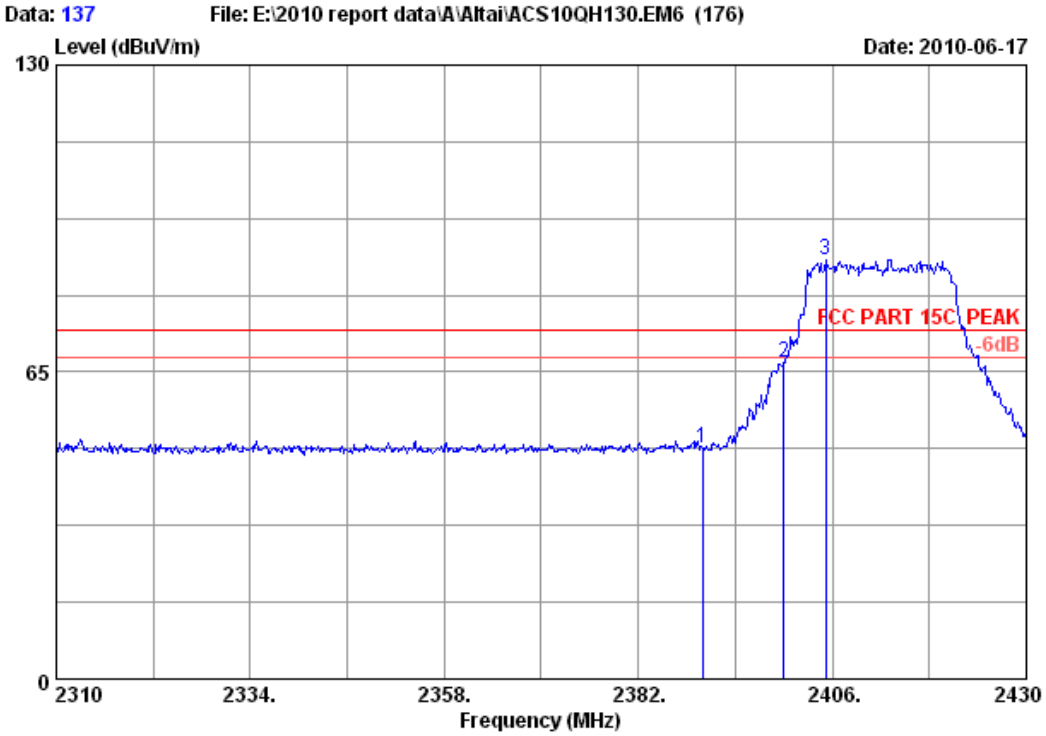
Postcode:518057



Site no. : 3m Chamber Data no. : 137
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH1 2412MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	46.82	48.84	74.00	25.16	Peak
2	2400.000	29.44	8.72	36.09	64.76	66.83	74.00	7.17	Peak
3	2405.160	29.45	8.72	35.95	86.64	88.86	74.00	-14.86	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.

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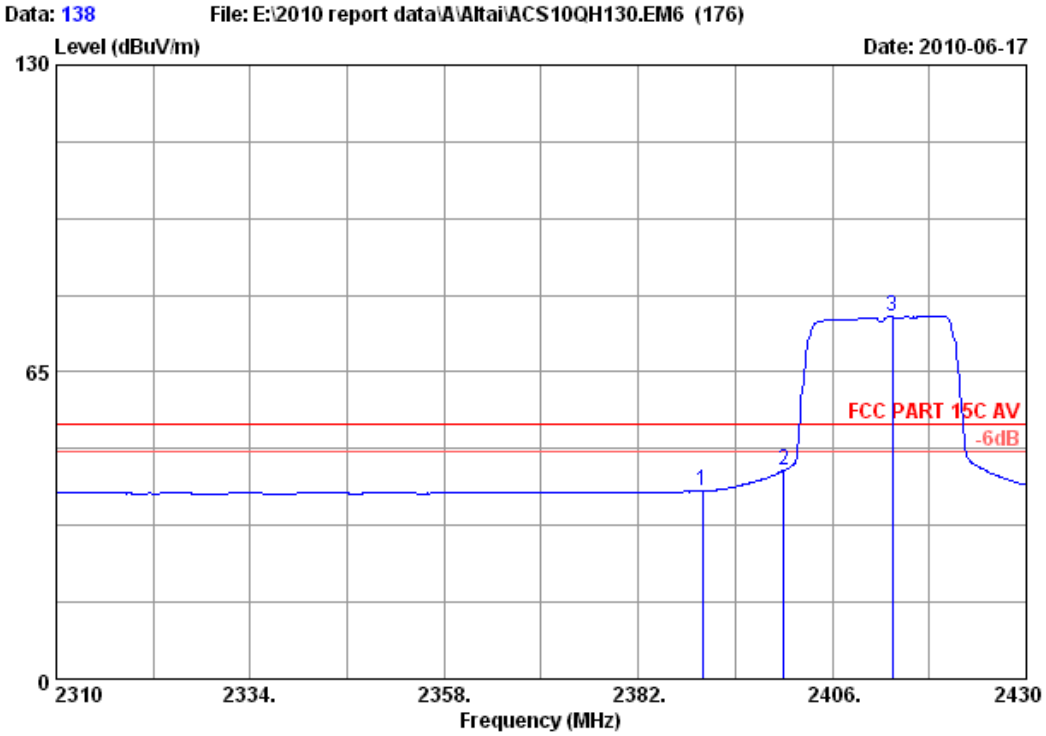

Site no. : 3m Chamber Data no. : 138
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH1 2412MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	37.75	39.77	54.00	14.23	Average
2	2400.000	29.44	8.72	36.09	42.03	44.10	54.00	9.90	Average
3	2413.440	29.45	8.72	35.95	74.48	76.70	54.00	-22.70	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.

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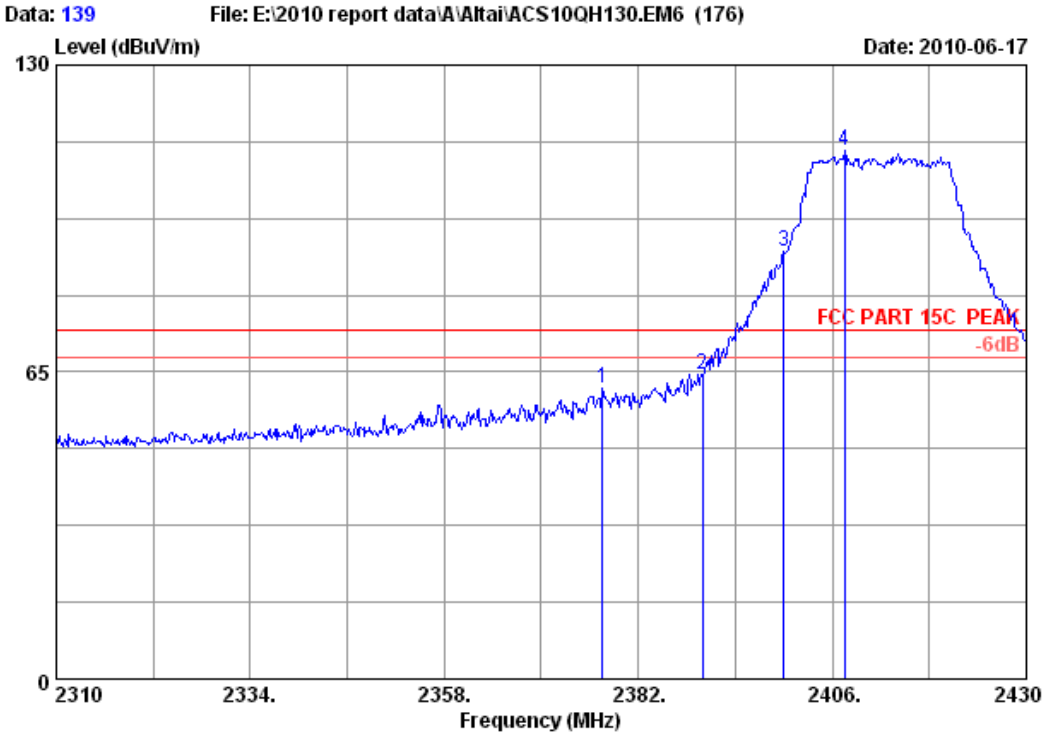

Site no. : 3m Chamber Data no. : 139
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH1 2412MHz Tx
M/N : AP5822

	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	2377.560	29.43	8.67	36.00	59.45	61.55	74.00	12.45	Peak
2	2390.000	29.44	8.67	36.09	62.47	64.49	74.00	9.51	Peak
3	2400.000	29.44	8.72	36.09	88.37	90.44	74.00	-16.44	Peak
4	2407.560	29.45	8.72	35.95	109.67	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.

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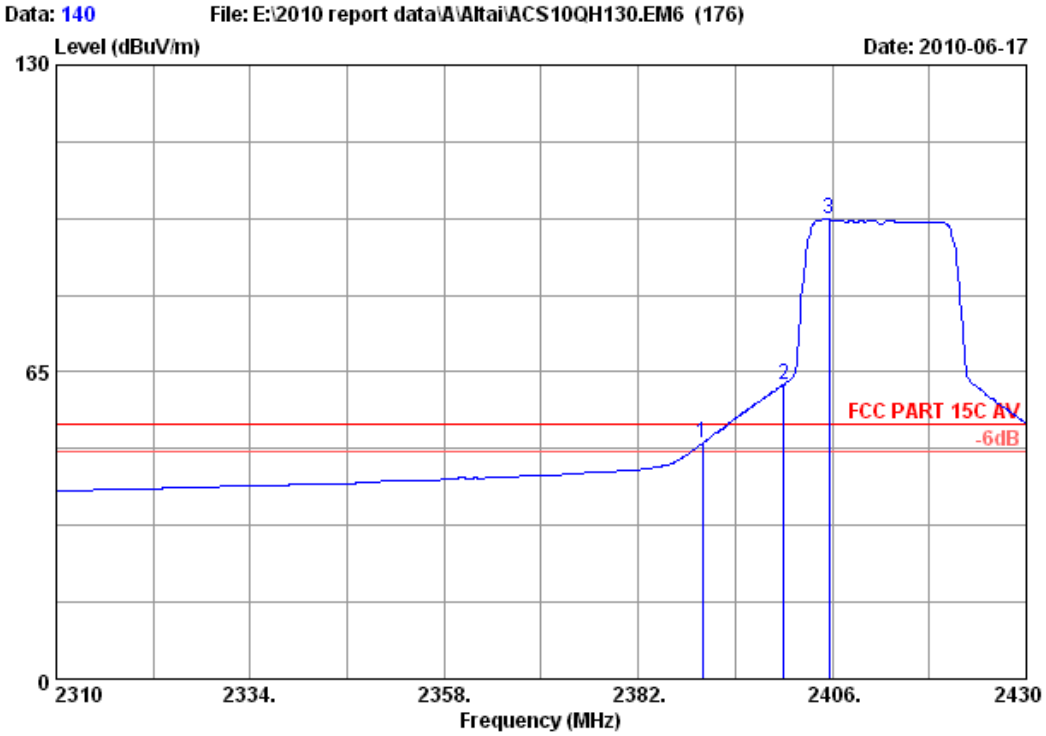

Site no. : 3m Chamber Data no. : 140
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH1 2412MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	47.98	50.00	54.00	4.00	Average
2	2400.000	29.44	8.72	36.09	60.29	62.36	54.00	-8.36	Average
3	2405.640	29.45	8.72	35.95	95.10	97.32	54.00	-43.32	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.

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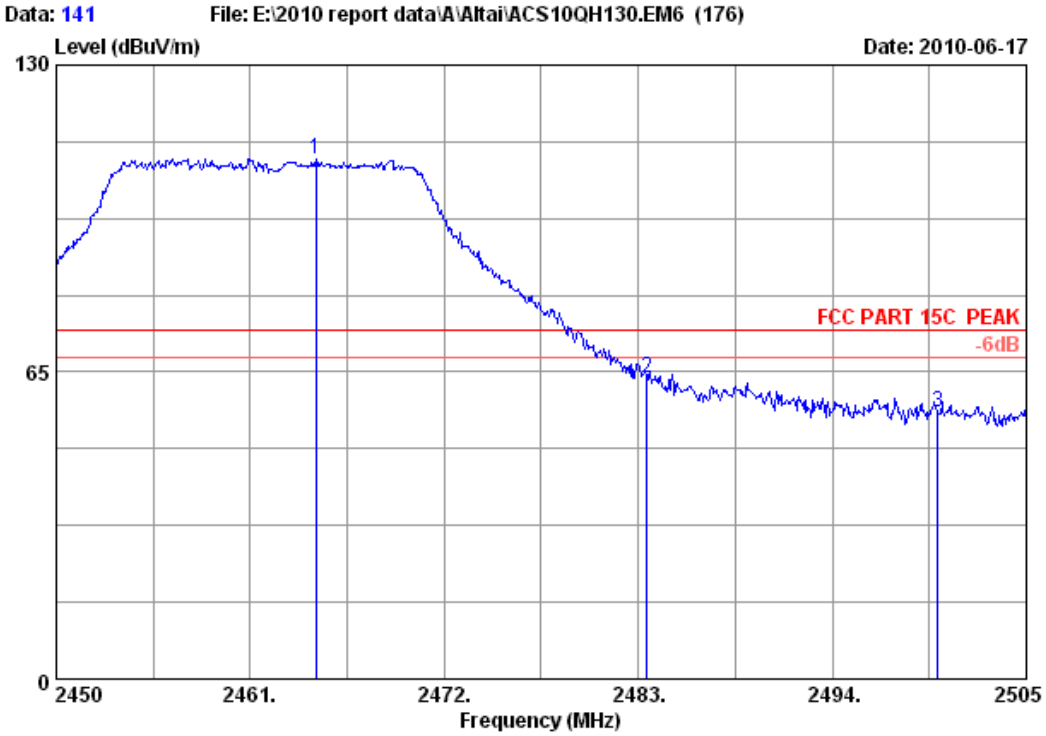

Site no. : 3m Chamber Data no. : 141
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH11 2462MHz Tx
M/N : AP5822

	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	2464.740	29.48	8.82	36.02	107.98	110.26	74.00	-36.26	Peak
2	2483.500	29.49	8.87	35.97	61.50	63.89	74.00	10.11	Peak
3	2500.000	29.50	8.92	36.00	54.10	56.52	74.00	17.48	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.

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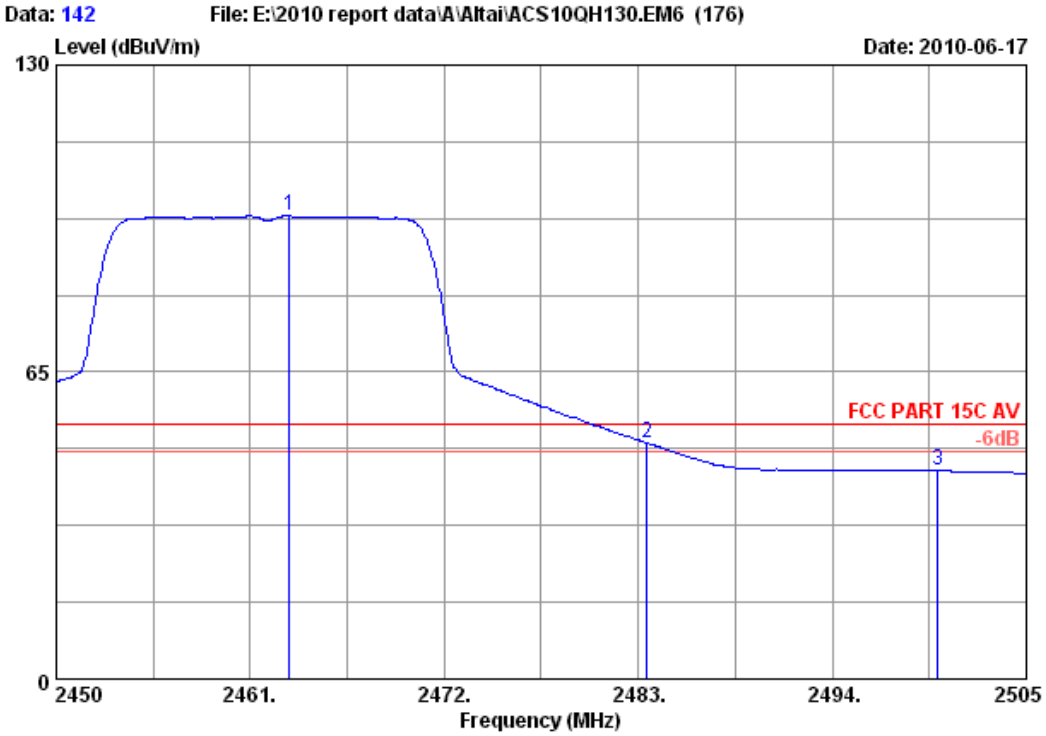

Site no. : 3m Chamber Data no. : 142
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH11 2462MHz Tx
M/N : AP5822

	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	2463.200	29.48	8.82	36.02	95.78	98.06	54.00	-44.06	Average
2	2483.500	29.49	8.87	35.97	47.59	49.98	54.00	4.02	Average
3	2500.000	29.50	8.92	36.00	41.64	44.06	54.00	9.94	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.

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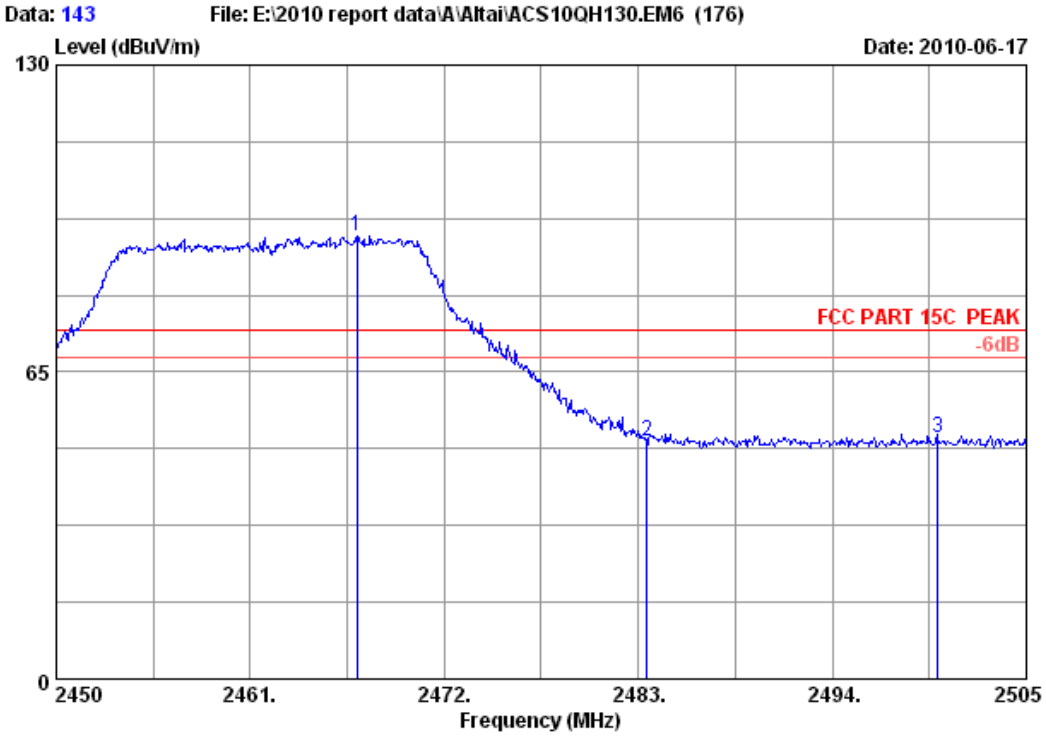

Site no. : 3m Chamber Data no. : 143
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH11 2462MHz Tx
M/N : AP5822

	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	2467.050	29.48	8.82	36.02	91.49	93.77	74.00	-19.77	Peak
2	2483.500	29.49	8.87	35.97	47.81	50.20	74.00	23.80	Peak
3	2500.000	29.50	8.92	36.00	48.51	50.93	74.00	23.07	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.

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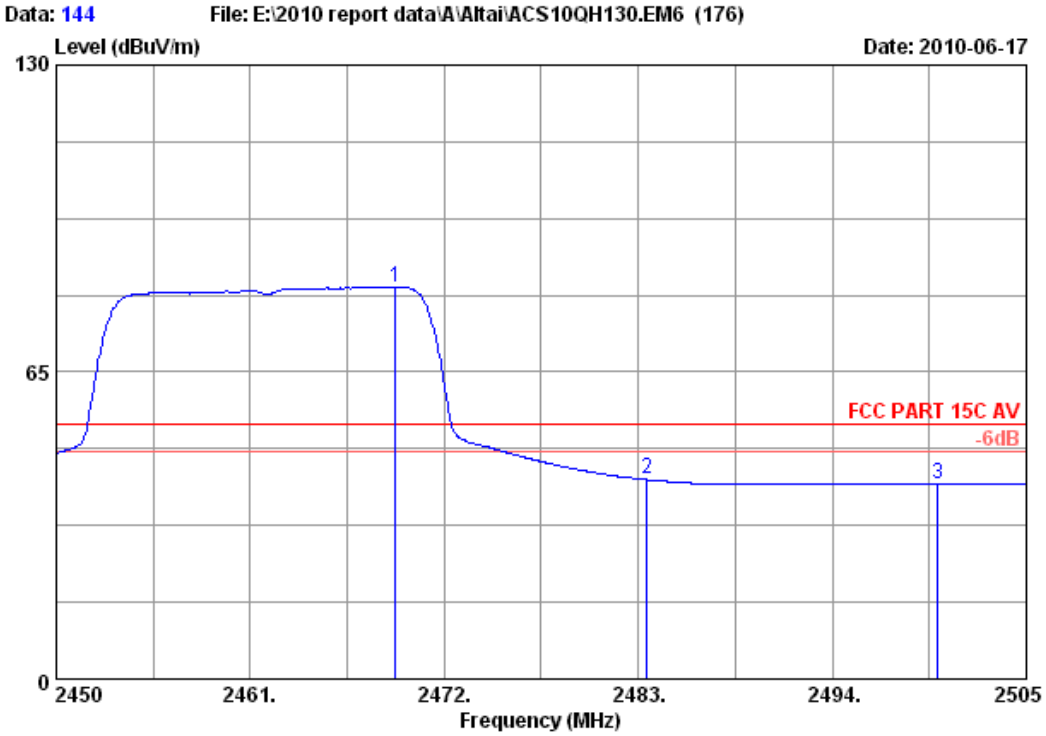

Site no. : 3m Chamber Data no. : 144
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH11 2462MHz Tx
M/N : AP5822

	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	2469.250	29.48	8.82	36.02	80.77	83.05	54.00	-29.05	Average
2	2483.500	29.49	8.87	35.97	39.83	42.22	54.00	11.78	Average
3	2500.000	29.50	8.92	36.00	38.97	41.39	54.00	12.61	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.

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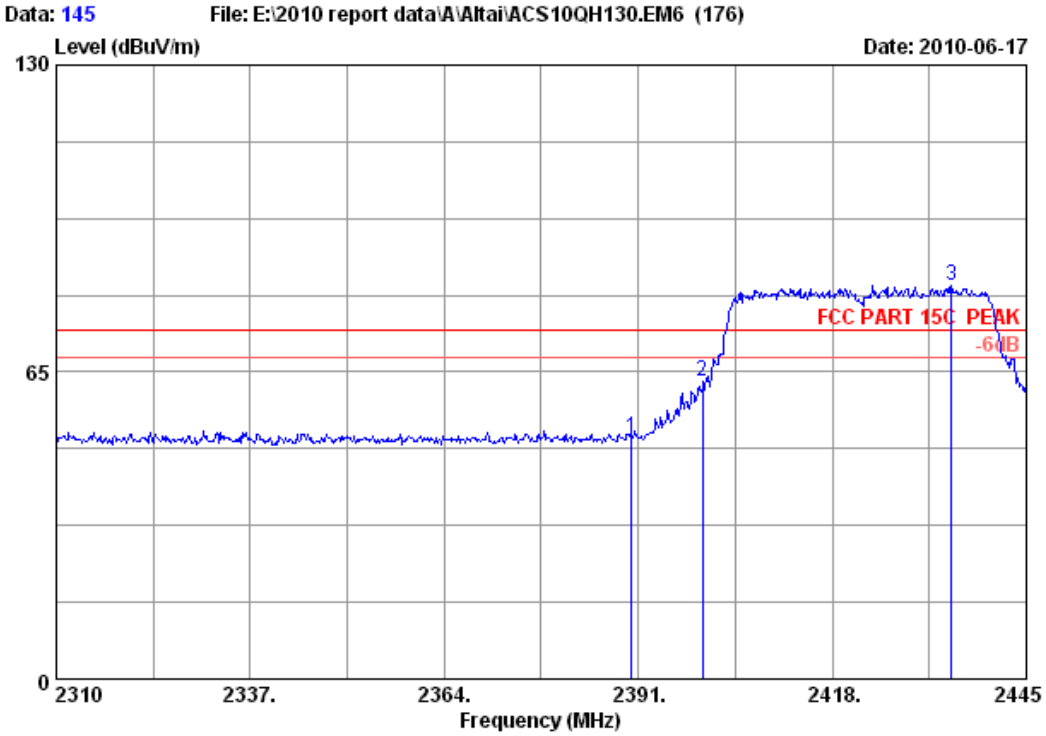

Site no. : 3m Chamber Data no. : 145
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH1 2422MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	49.06	51.08	74.00	22.92	Peak
2	2400.000	29.44	8.72	36.09	60.89	62.96	74.00	11.04	Peak
3	2434.605	29.46	8.77	36.01	81.23	83.45	74.00	-9.45	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.

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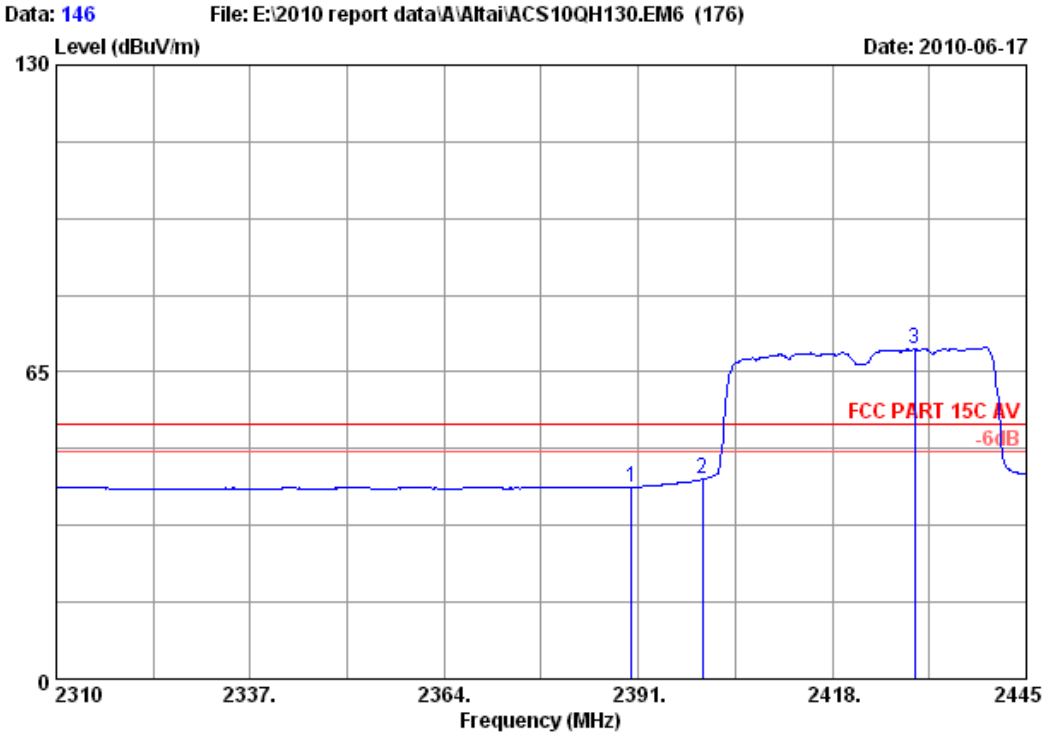

Site no. : 3m Chamber Data no. : 146
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH1 2422MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	38.59	40.61	54.00	13.39	Average
2	2400.000	29.44	8.72	36.09	40.23	42.30	54.00	11.70	Average
3	2429.475	29.46	8.77	36.01	67.64	69.86	54.00	-15.86	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.

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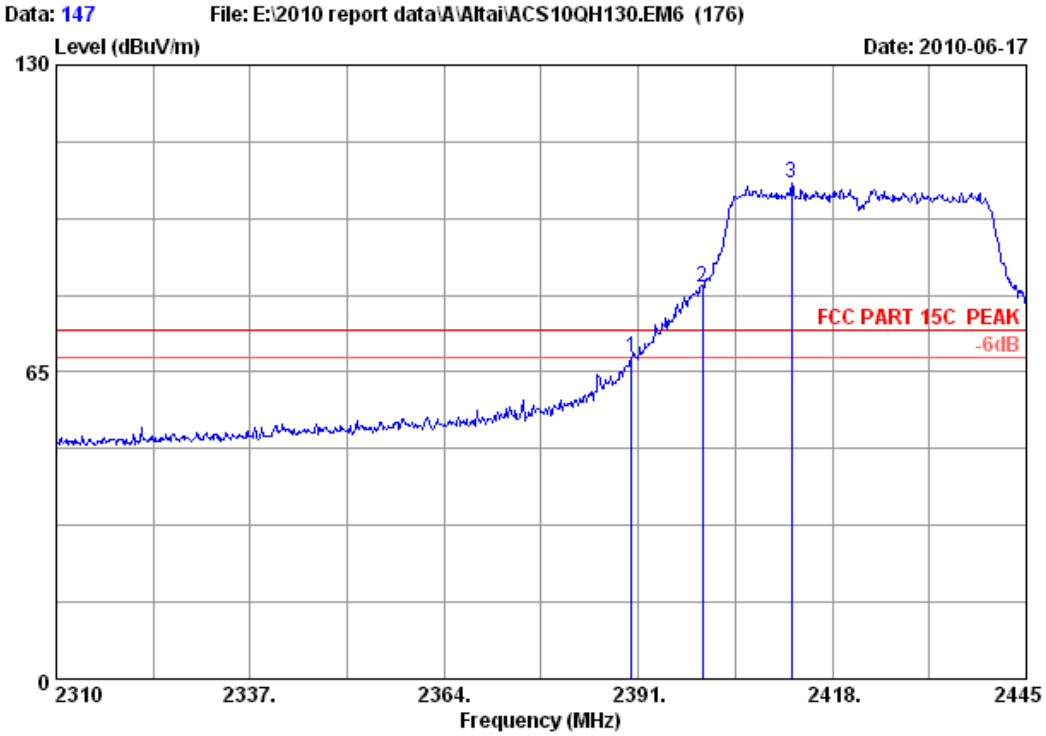

Site no. : 3m Chamber Data no. : 147
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH1 2422MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	66.11	68.13	74.00	5.87	Peak
2	2400.000	29.44	8.72	36.09	80.94	83.01	74.00	-9.01	Peak
3	2412.330	29.45	8.72	35.95	102.72	104.94	74.00	-30.94	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.

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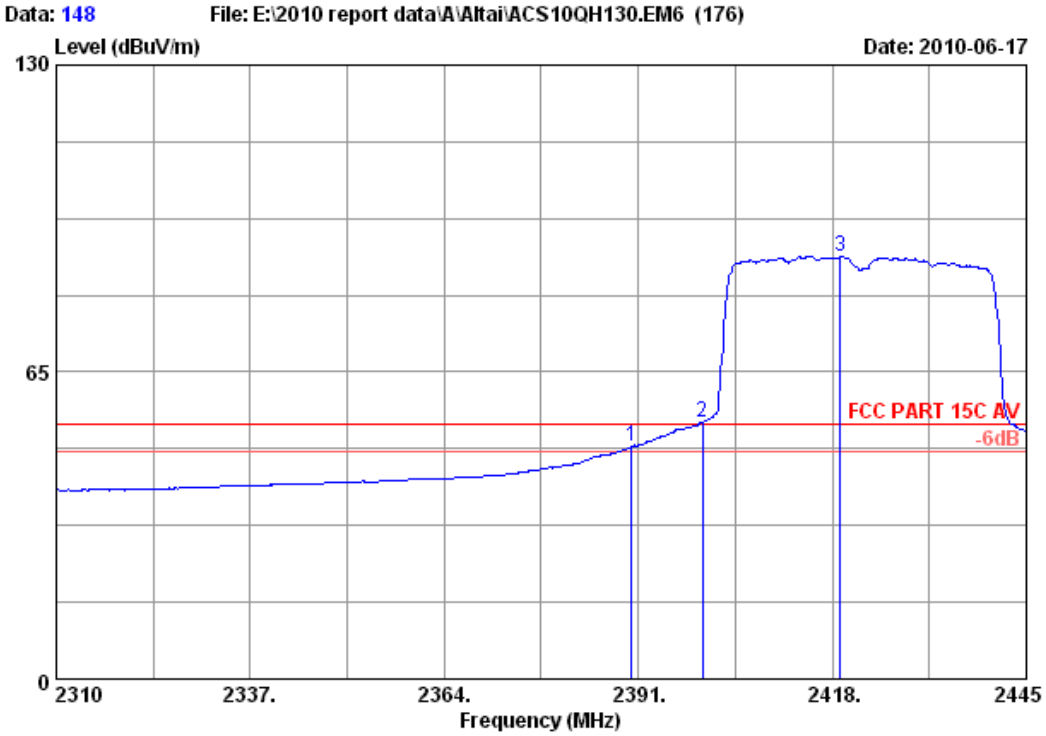

Site no. : 3m Chamber Data no. : 148
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH1 2422MHz Tx
M/N : AP5822

	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	29.44	8.67	36.09	47.10	49.12	54.00	4.88	Average
2	2400.000	29.44	8.72	36.09	52.32	54.39	54.00	-0.39	Average
3	2419.080	29.45	8.72	35.95	87.21	89.43	54.00	-35.43	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.

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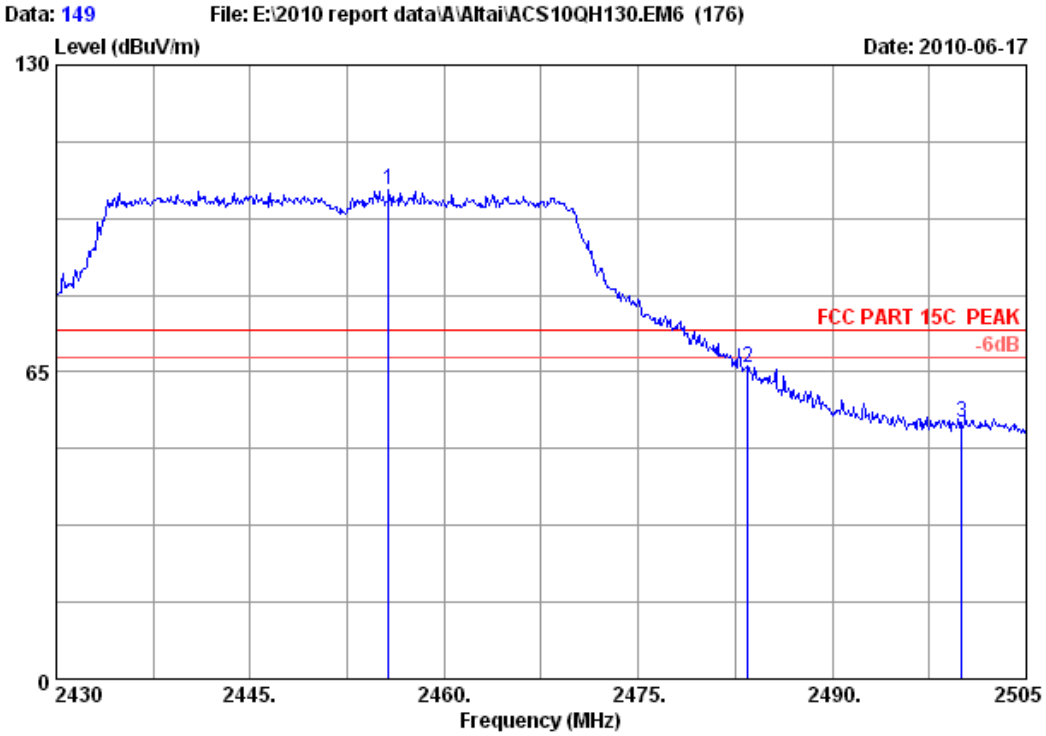

Site no. : 3m Chamber Data no. : 149
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH7 2452MHz Tx
M/N : AP5822

	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	2455.725	29.48	8.82	36.02	101.24	103.52	74.00	-29.52	Peak
2	2483.500	29.49	8.87	35.97	63.48	65.87	74.00	8.13	Peak
3	2500.000	29.50	8.92	36.00	51.89	54.31	74.00	19.69	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.

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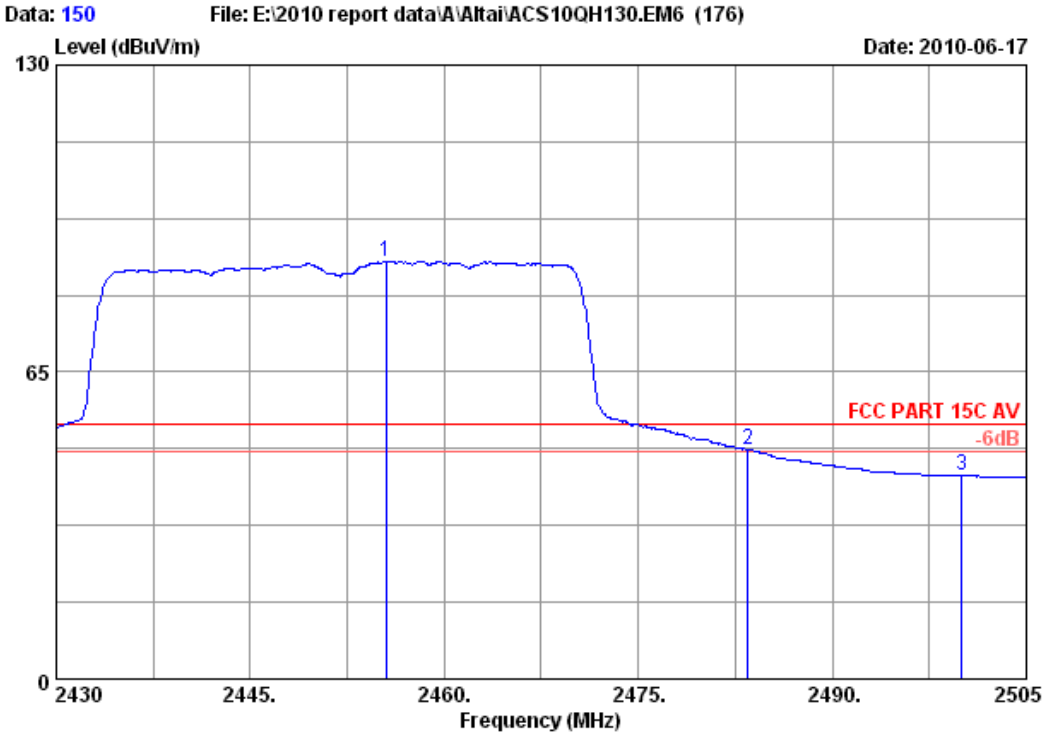

Site no. : 3m Chamber Data no. : 150
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH7 2452MHz Tx
M/N : AP5822

	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	2455.500	29.48	8.82	36.02	86.21	88.49	54.00	-34.49	Average
2	2483.500	29.49	8.87	35.97	46.22	48.61	54.00	5.39	Average
3	2500.000	29.50	8.92	36.00	40.65	43.07	54.00	10.93	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.

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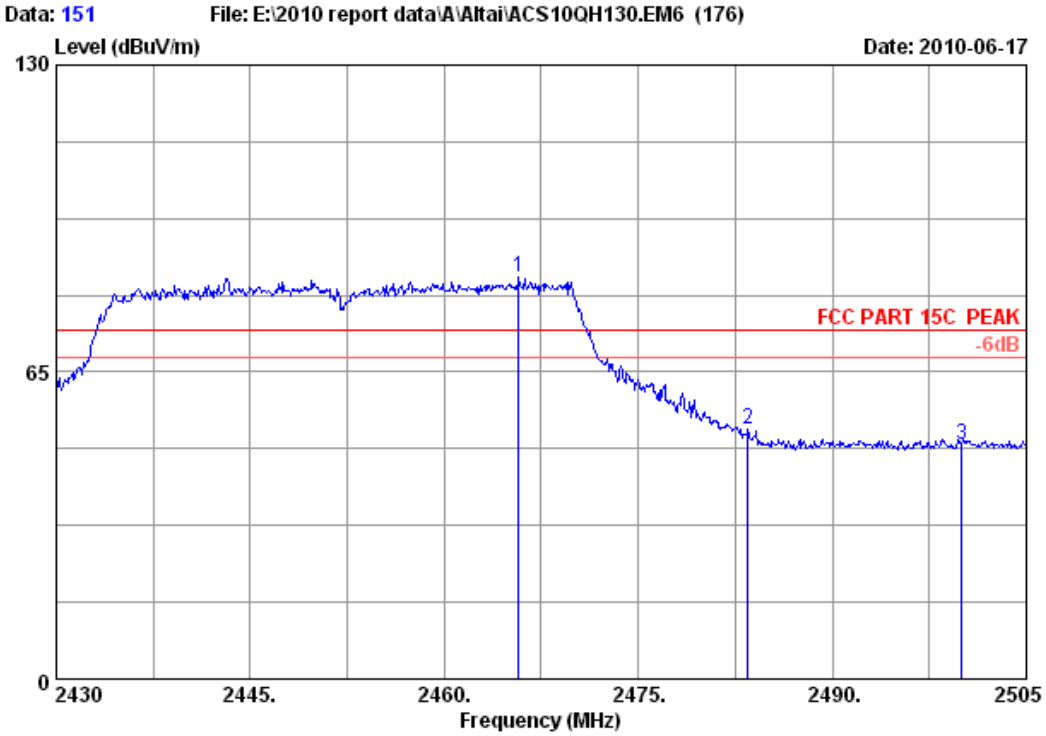

Site no. : 3m Chamber Data no. : 151
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH7 2452MHz Tx
M/N : AP5822

	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	2465.775	29.48	8.82	36.02	82.99	85.27	74.00	-11.27	Peak
2	2483.500	29.49	8.87	35.97	50.30	52.69	74.00	21.31	Peak
3	2500.000	29.50	8.92	36.00	47.33	49.75	74.00	24.25	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.

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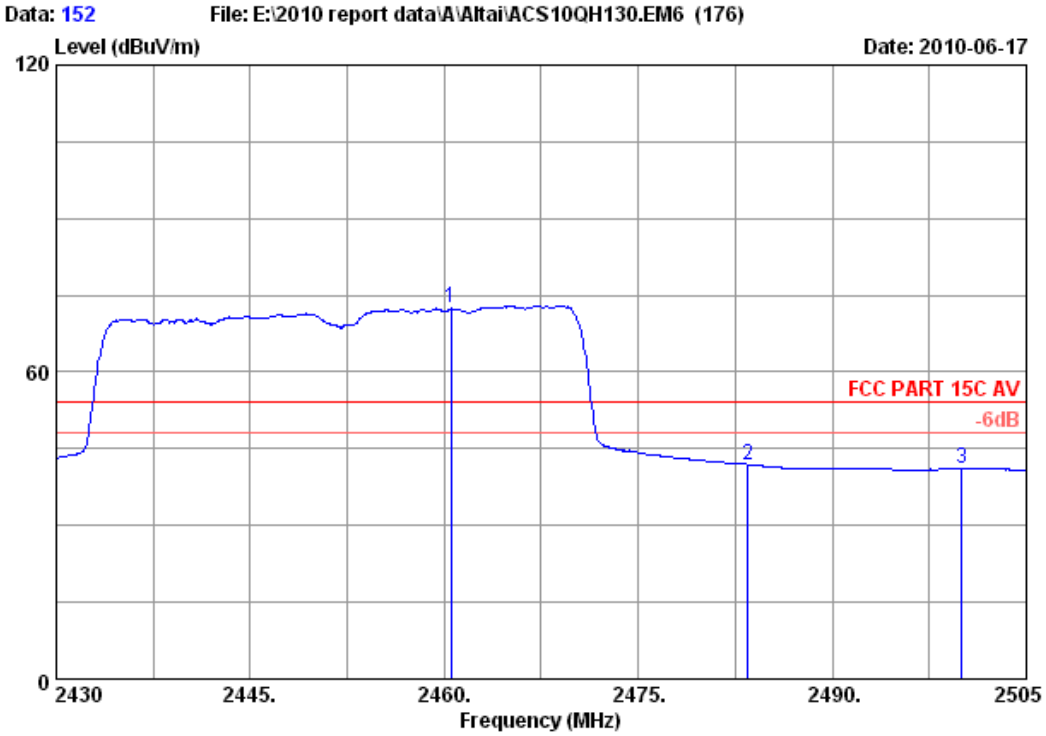
Postcode:518057



Site no. : 3m Chamber Data no. : 152
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH7 2452MHz Tx
M/N : AP5822

	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	2460.525	29.48	8.82	36.02	70.11	72.39	54.00	-18.39	Average
2	2483.500	29.49	8.87	35.97	39.49	41.88	54.00	12.12	Average
3	2500.000	29.50	8.92	36.00	38.63	41.05	54.00	12.95	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.

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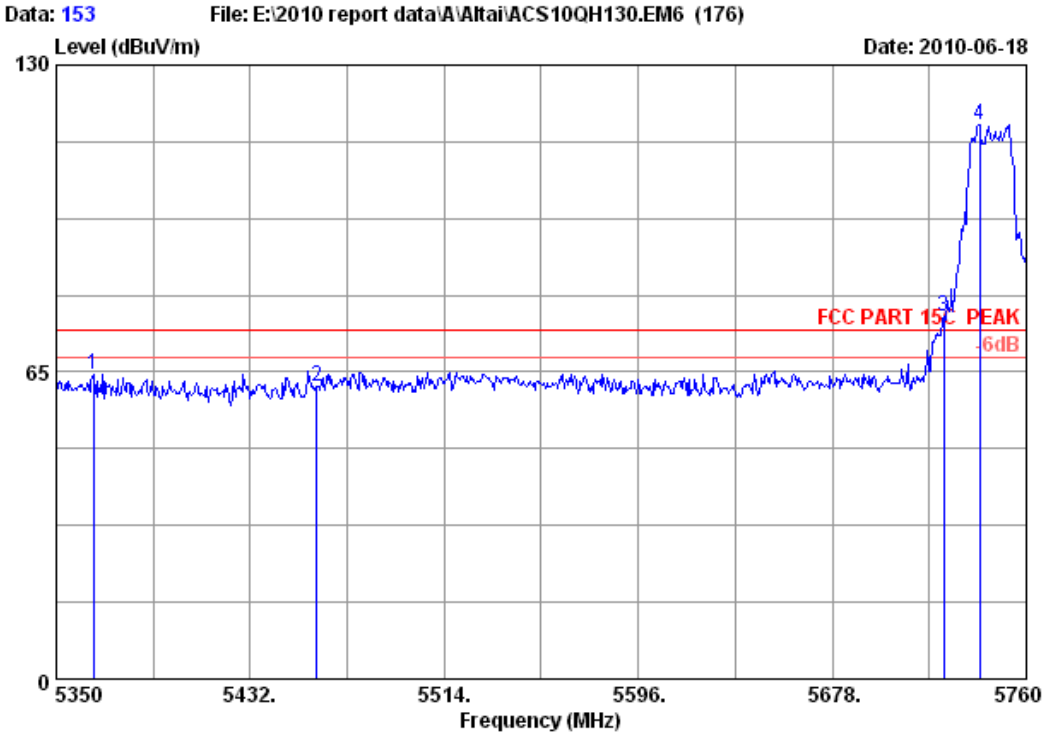

Site no. : 3m Chamber Data no. : 153
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH149 5745MHz Tx
M/N : AP5822

	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	5365.580	35.63	13.00	35.07	51.07	64.63	74.00	9.37	Peak
2	5460.000	35.86	13.12	35.10	48.07	61.95	74.00	12.05	Peak
3	5725.000	36.00	13.45	35.37	62.51	76.59	74.00	-2.59	Peak
4	5740.320	36.00	13.45	35.12	103.09	117.42	74.00	-43.42	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.

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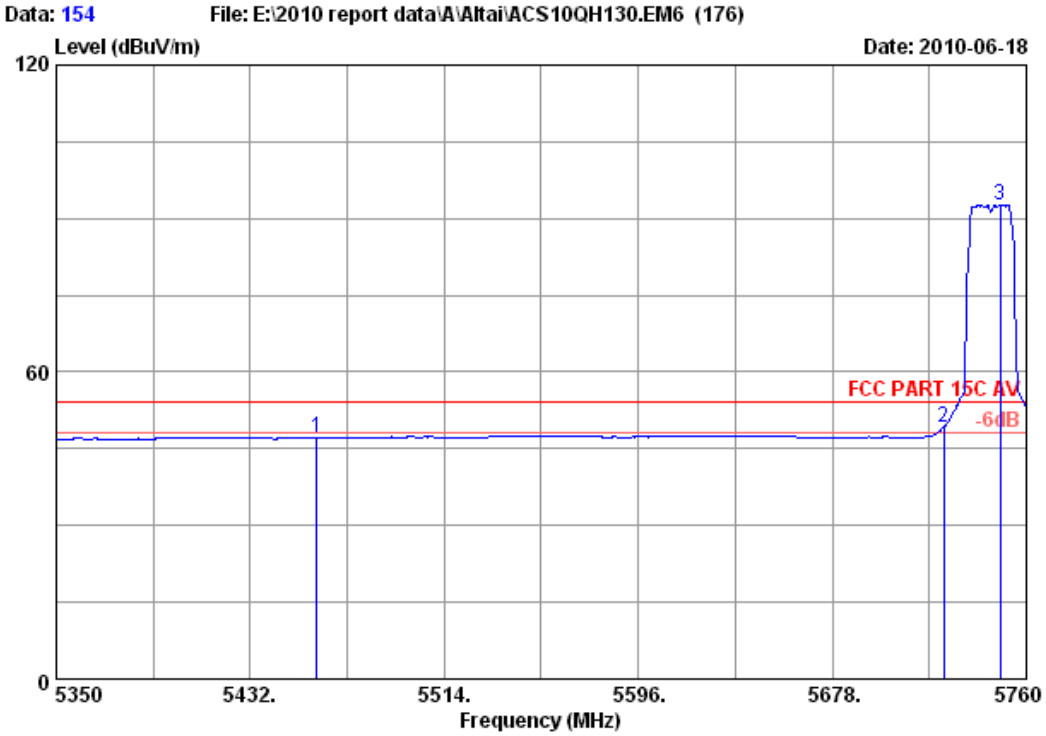

Site no. : 3m Chamber Data no. : 154
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH149 5745MHz Tx
M/N : AP5822

	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	5460.000	35.86	13.12	35.10	33.18	47.06	54.00	6.94	Average
2	5725.000	36.00	13.45	35.37	35.14	49.22	54.00	4.78	Average
3	5748.930	36.00	13.48	35.12	78.26	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.

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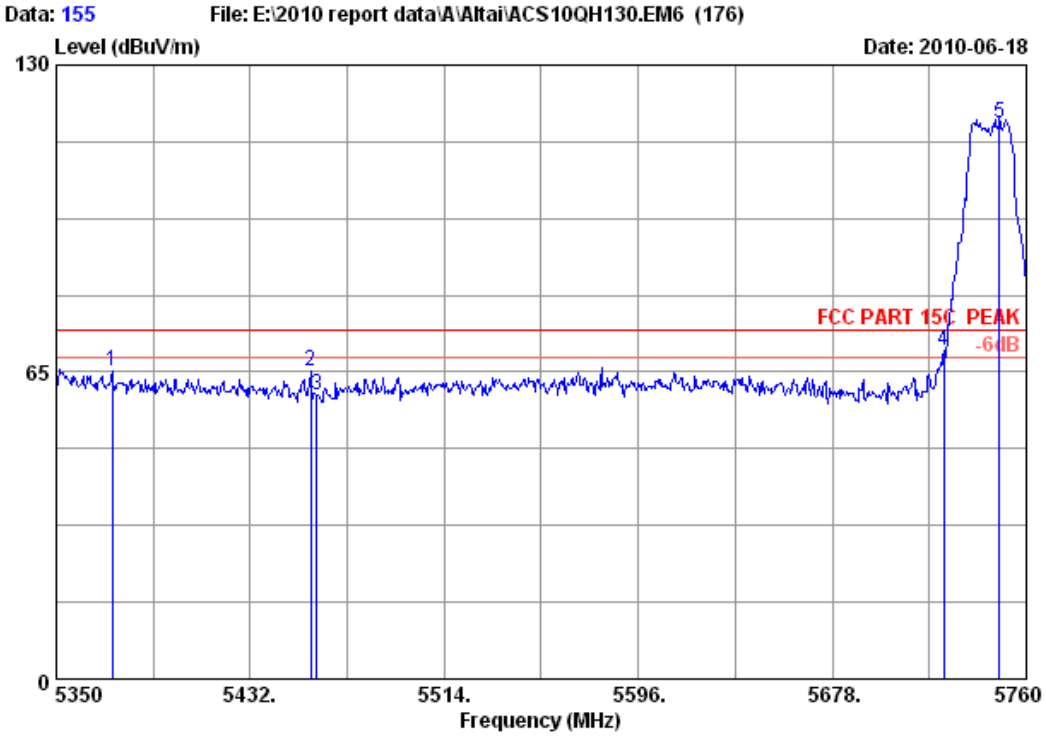

Site no. : 3m Chamber Data no. : 155
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH149 5745MHz Tx
M/N : AP5822

	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	5373.780	35.63	13.03	35.07	51.52	65.11	74.00	8.89	Peak
2	5457.420	35.86	13.12	35.10	51.14	65.02	74.00	8.98	Peak
3	5460.000	35.86	13.12	35.10	46.13	60.01	74.00	13.99	Peak
4	5725.000	36.00	13.45	35.37	55.44	69.52	74.00	4.48	Peak
5	5748.520	36.00	13.48	35.12	103.38	117.74	74.00	-43.74	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.

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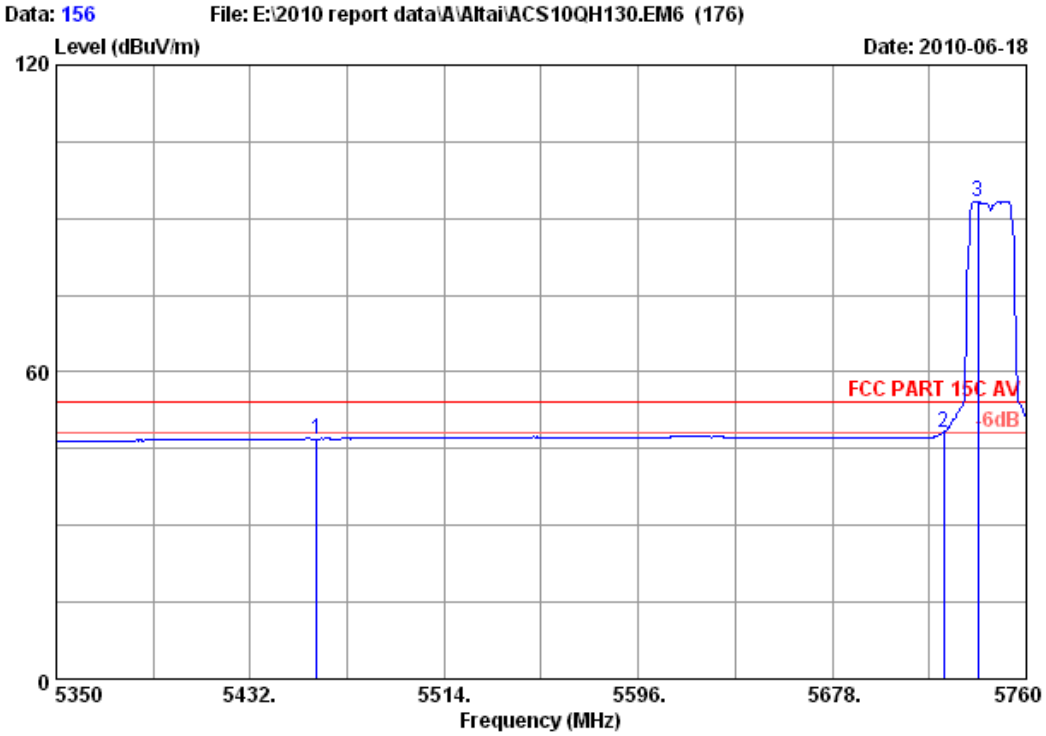

Site no. : 3m Chamber Data no. : 156
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH149 5745MHz Tx
M/N : AP5822

	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	5460.000	35.86	13.12	35.10	33.03	46.91	54.00	7.09	Average
2	5725.000	36.00	13.45	35.37	34.19	48.27	54.00	5.73	Average
3	5739.500	36.00	13.45	35.12	78.97	93.30	54.00	-39.30	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.

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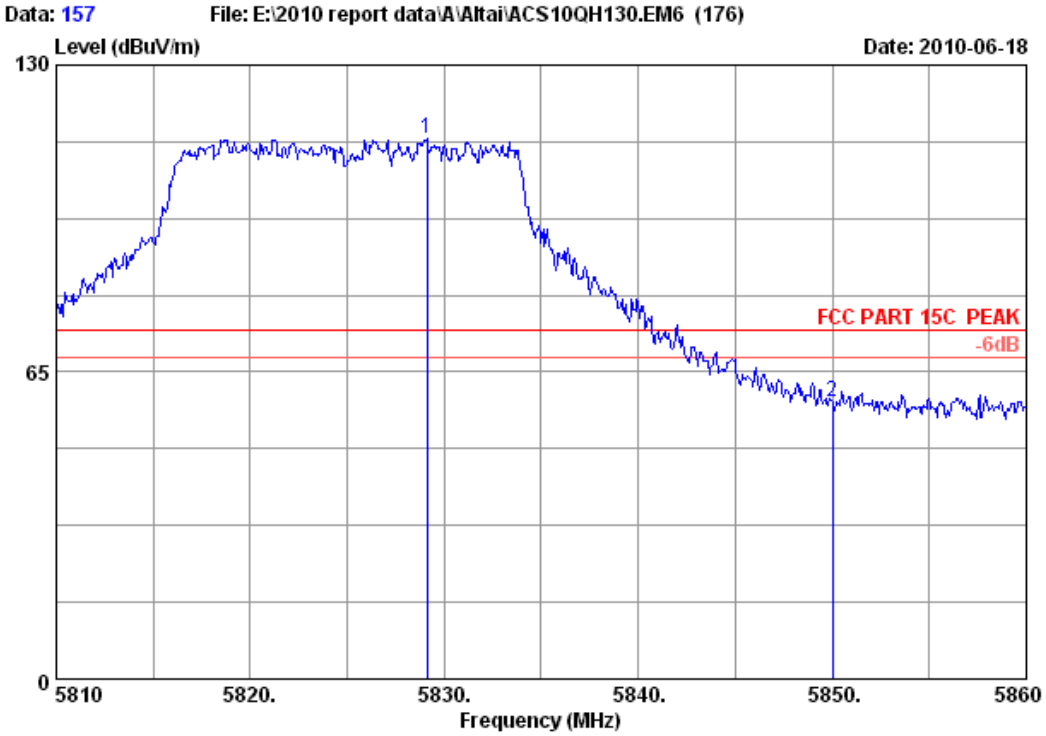

Site no. : 3m Chamber Data no. : 157
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH165 5825MHz Tx
M/N : AP5822

	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	5829.100	36.00	11.79	34.47	101.12	114.44	74.00	-40.44	Peak
2	5850.000	36.00	11.81	34.46	45.33	58.68	74.00	15.32	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.

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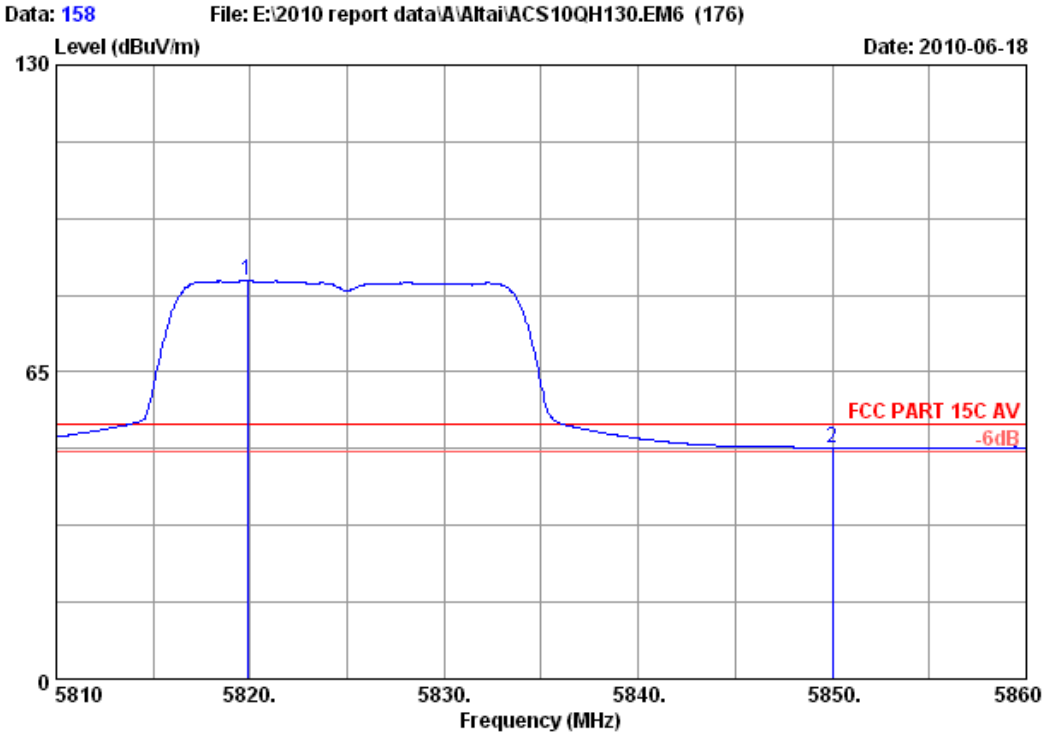

Site no. : 3m Chamber Data no. : 158
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH165 5825MHz Tx
M/N : AP5822

	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	5819.850	36.00	11.79	34.47	71.00	84.32	54.00	-30.32	Average
2	5850.000	36.00	11.81	34.46	35.70	49.05	54.00	4.95	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.

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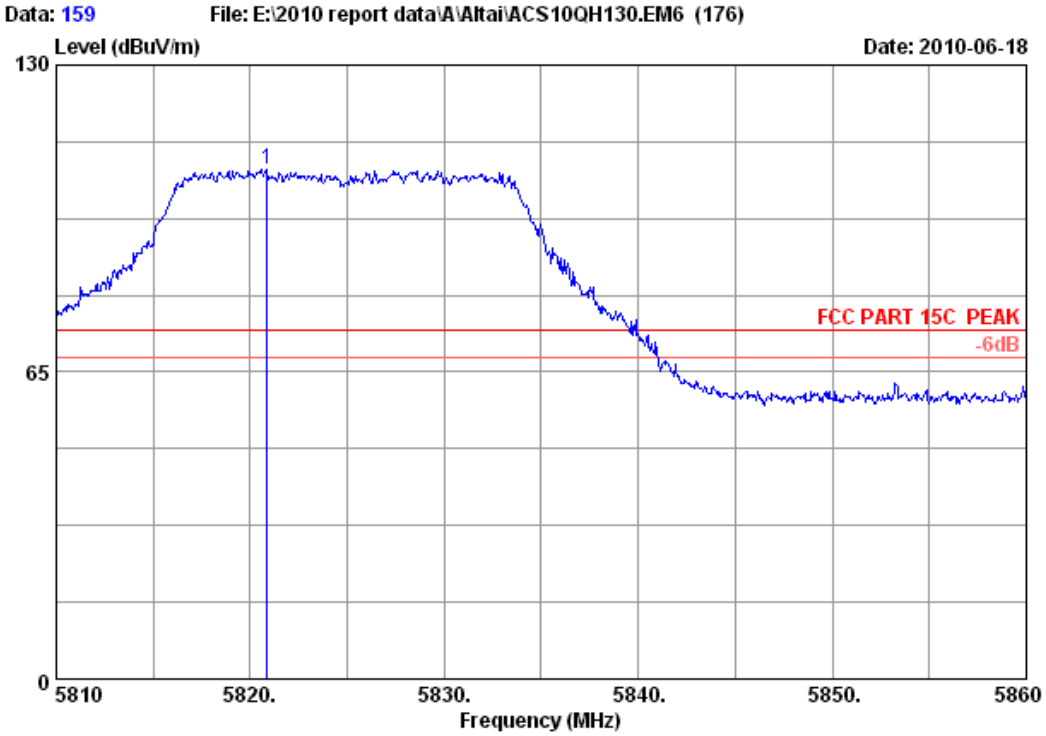

Site no. : 3m Chamber Data no. : 159
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH165 5825MHz Tx
M/N : AP5822

	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	5820.850	36.00	11.79	34.47	94.50	107.82	74.00	-33.82	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.

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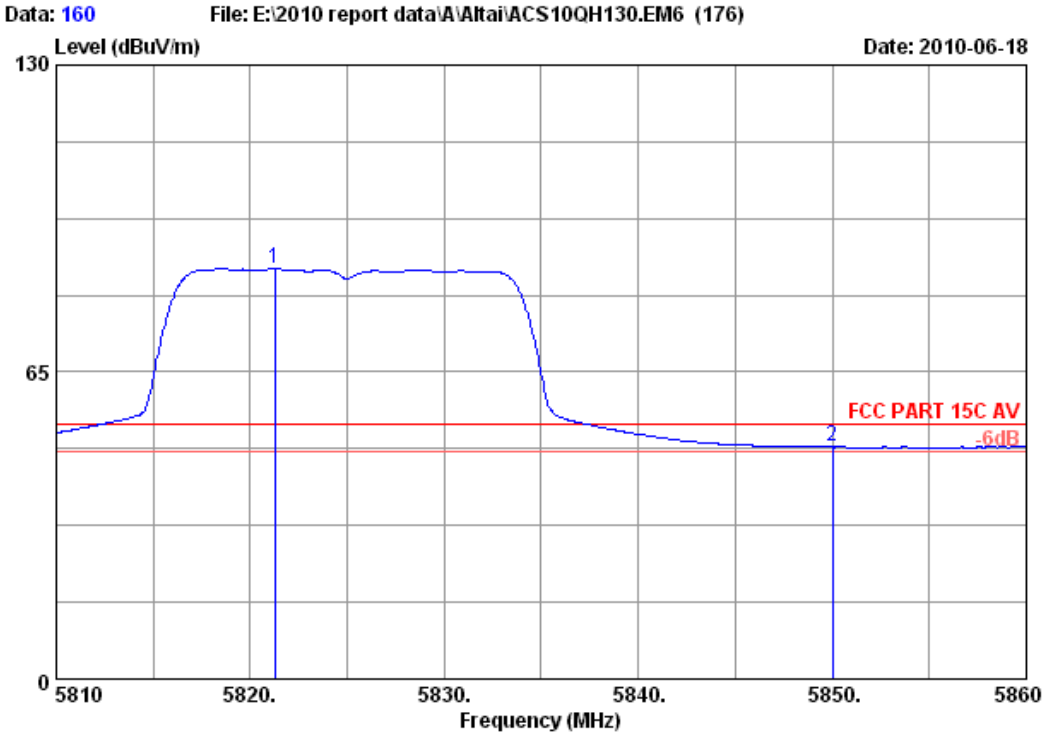

Site no. : 3m Chamber Data no. : 160
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH165 5825MHz Tx
M/N : AP5822

	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	5821.250	36.00	11.79	34.47	73.54	86.86	54.00	-32.86	Average
2	5850.000	36.00	11.81	34.46	35.73	49.08	54.00	4.92	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.

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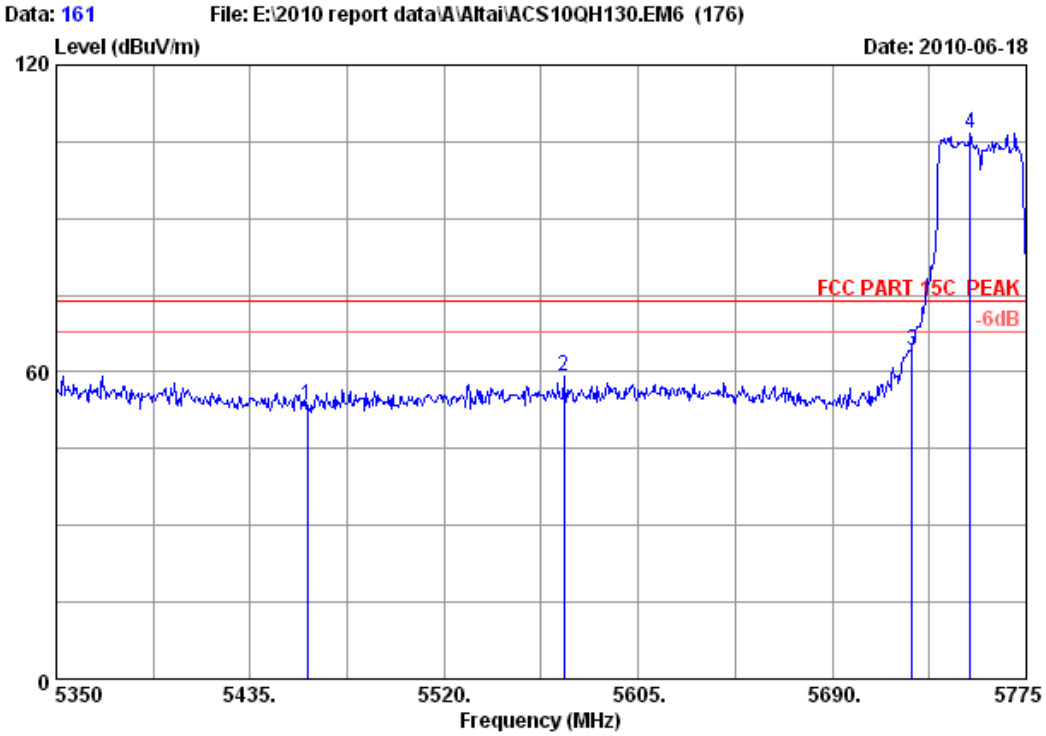
Postcode:518057



Site no. : 3m Chamber Data no. : 161
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH151 5755MHz Tx
M/N : AP5822

	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	5460.000	35.86	11.38	34.62	40.97	53.59	74.00	20.41	Peak
2	5572.275	36.00	11.49	34.57	46.31	59.23	74.00	14.77	Peak
3	5725.000	36.00	11.67	34.51	51.04	64.20	74.00	9.80	Peak
4	5750.350	36.00	11.70	34.50	93.35	106.55	74.00	-32.55	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.

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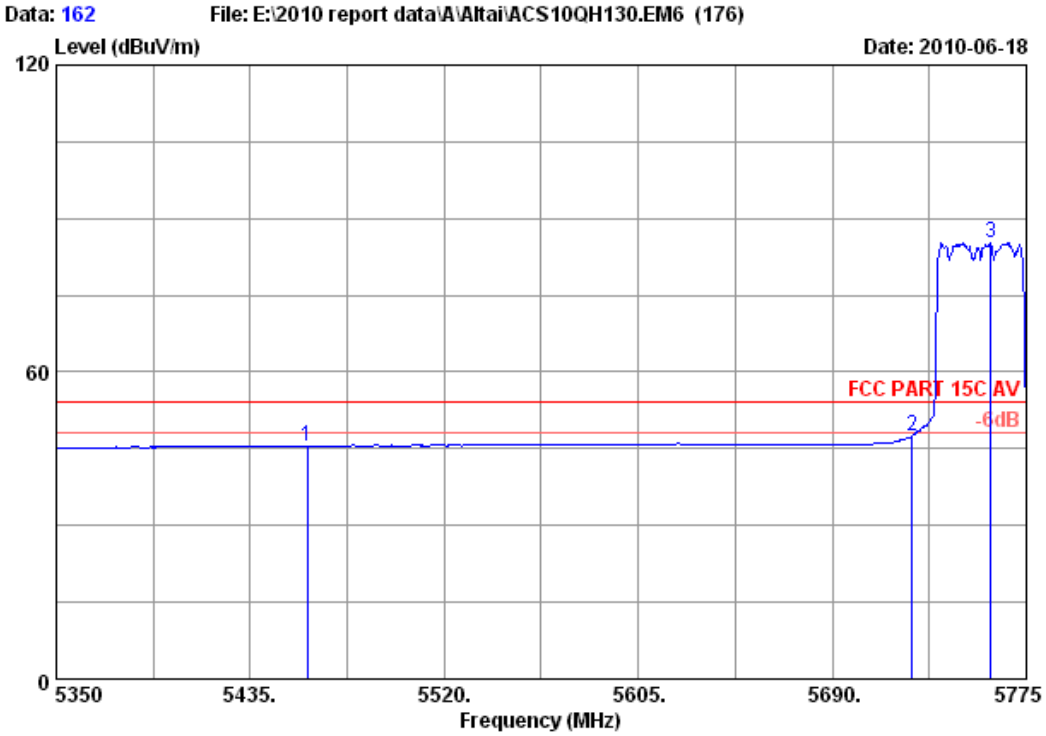

Site no. : 3m Chamber Data no. : 162
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH151 5755MHz Tx
M/N : AP5822

	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	5460.000	35.86	11.38	34.62	32.82	45.44	54.00	8.56	Average
2	5725.000	36.00	11.67	34.51	34.45	47.61	54.00	6.39	Average
3	5759.275	36.00	11.72	34.49	72.17	85.40	54.00	-31.40	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.

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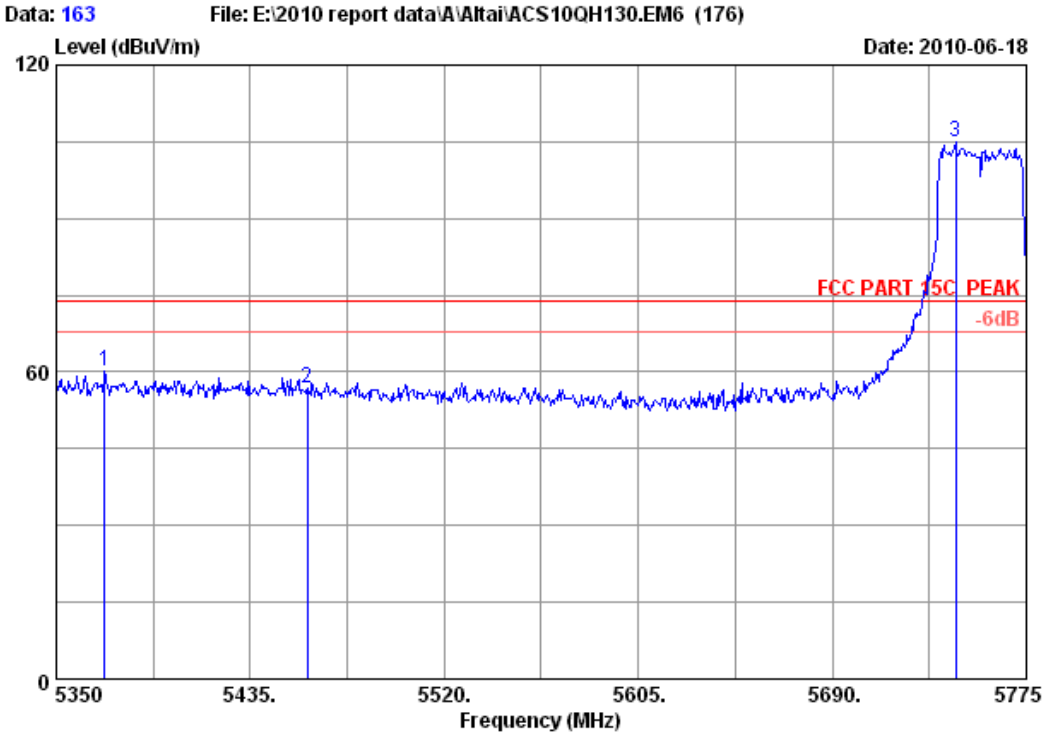

Site no. : 3m Chamber Data no. : 163
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH151 5755MHz Tx
M/N : AP5822

	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	5371.250	35.63	11.26	34.68	47.80	60.01	74.00	13.99	Peak
2	5460.000	35.86	11.38	34.62	44.06	56.68	74.00	17.32	Peak
3	5743.975	36.00	11.70	34.50	91.62	104.82	74.00	-30.82	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.

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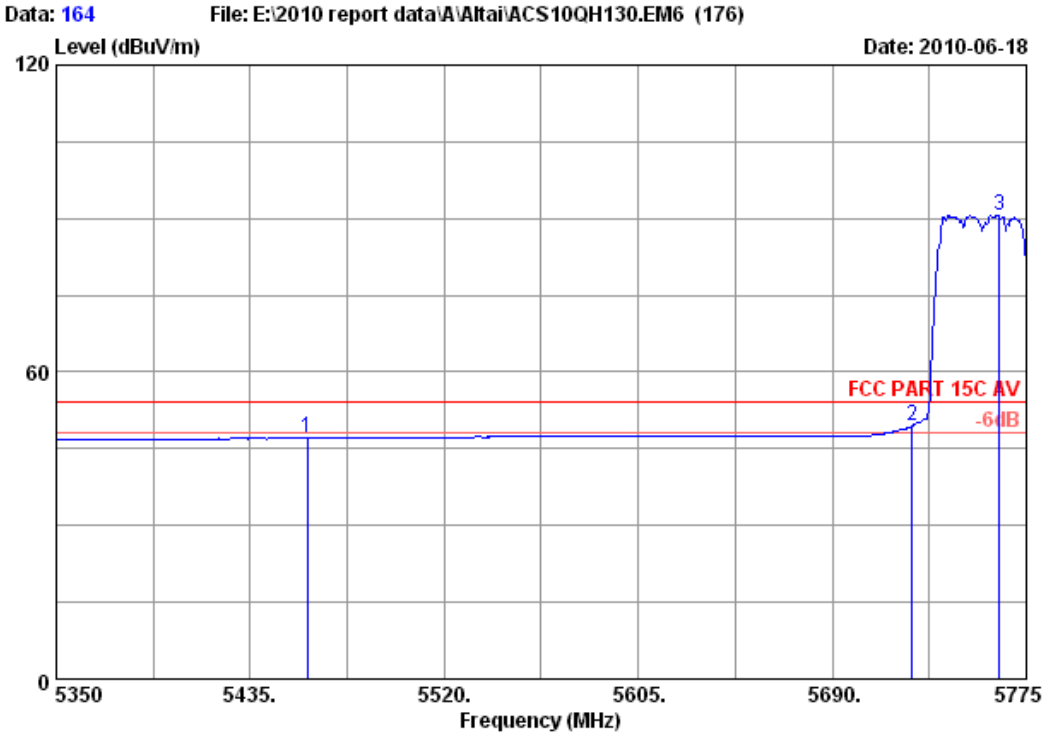

Site no. : 3m Chamber Data no. : 164
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH151 5755MHz Tx
M/N : AP5822

	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	5460.000	35.86	11.38	34.62	34.43	47.05	54.00	6.95	Average
2	5725.000	36.00	11.67	34.51	36.28	49.44	54.00	4.56	Average
3	5763.100	36.00	11.72	34.49	77.43	90.66	54.00	-36.66	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.

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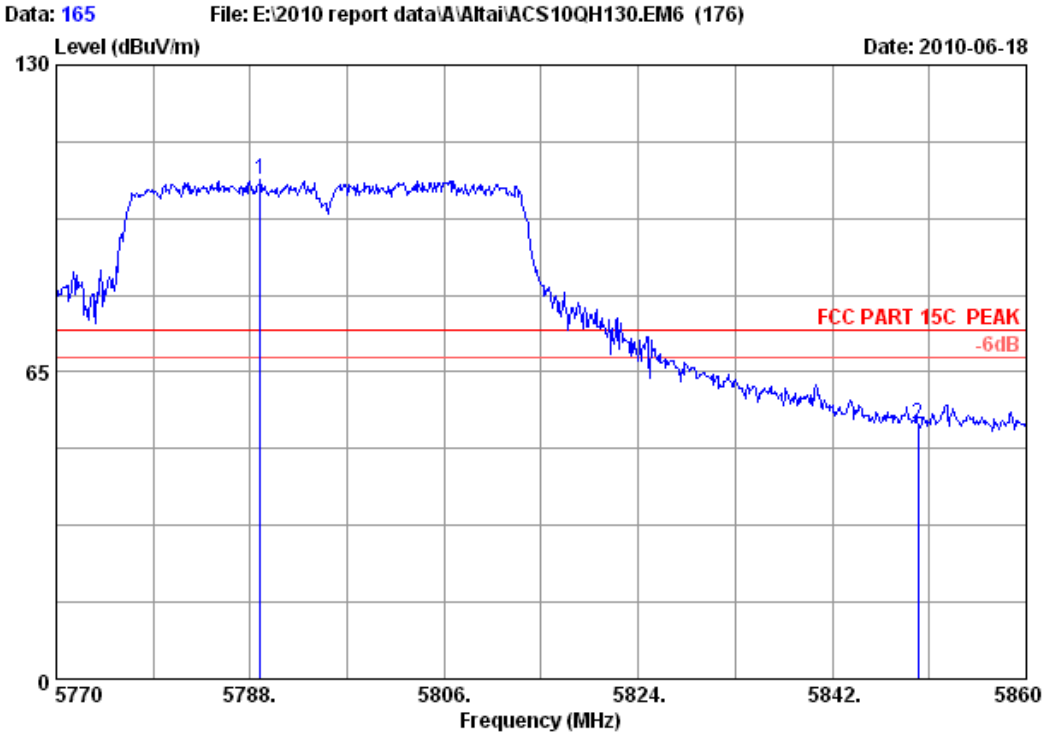

Site no. : 3m Chamber Data no. : 165
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH159 5795MHz Tx
M/N : AP5822

	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	5788.900	36.00	11.74	34.48	92.31	105.57	74.00	-31.57	Peak
2	5850.000	36.00	11.81	34.46	40.65	54.00	74.00	20.00	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.

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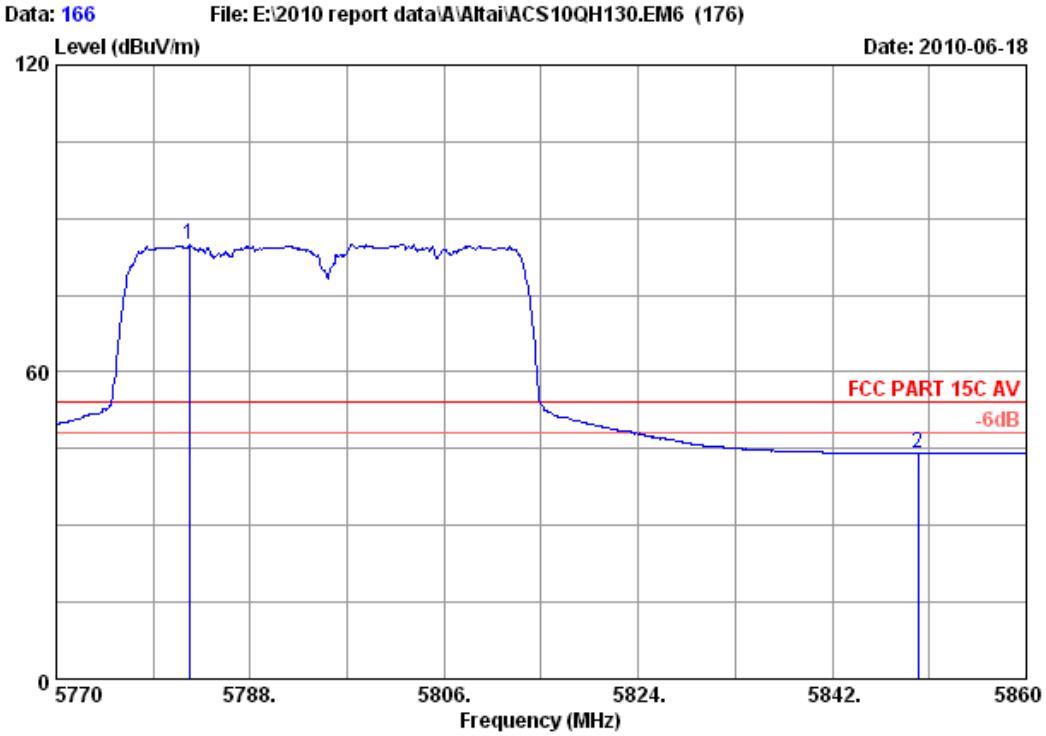
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 166
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH159 5795MHz Tx
M/N : AP5822

	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	5782.330	36.00	11.74	34.48	71.61	84.87	54.00	-30.87	Average
2	5850.000	36.00	11.81	34.46	30.74	44.09	54.00	9.91	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.

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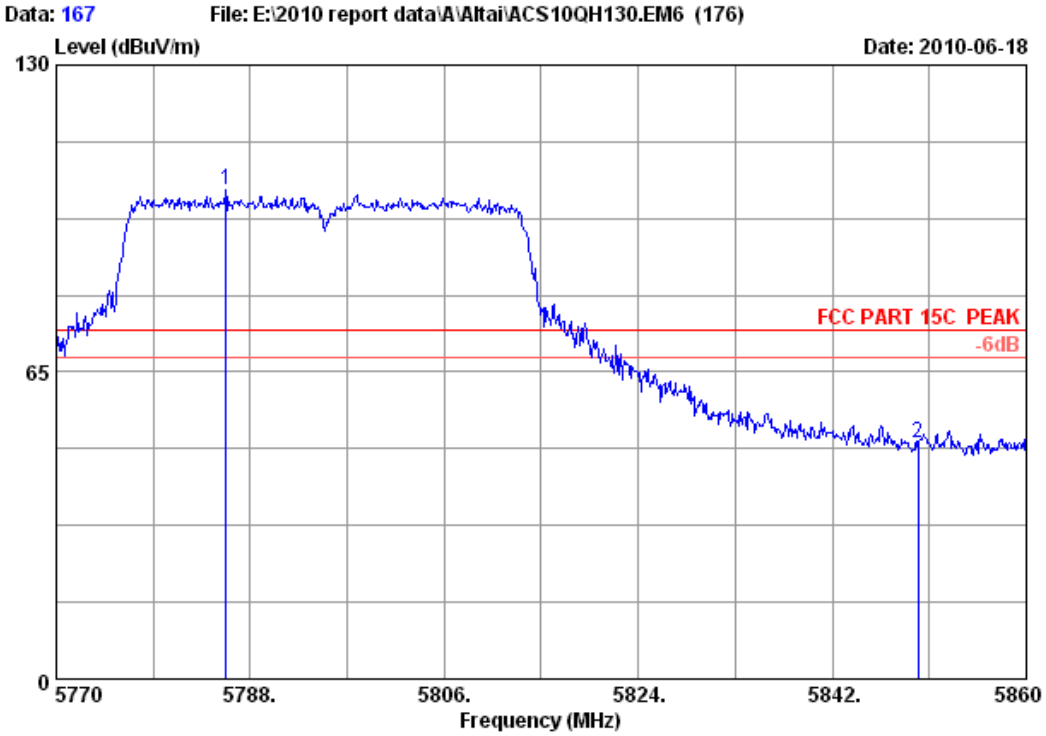

Site no. : 3m Chamber Data no. : 167
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH159 5795MHz Tx
M/N : AP5822

	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	5785.750	36.00	11.74	34.48	90.37	103.63	74.00	-29.63	Peak
2	5850.000	36.00	11.81	34.46	36.64	49.99	74.00	24.01	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.

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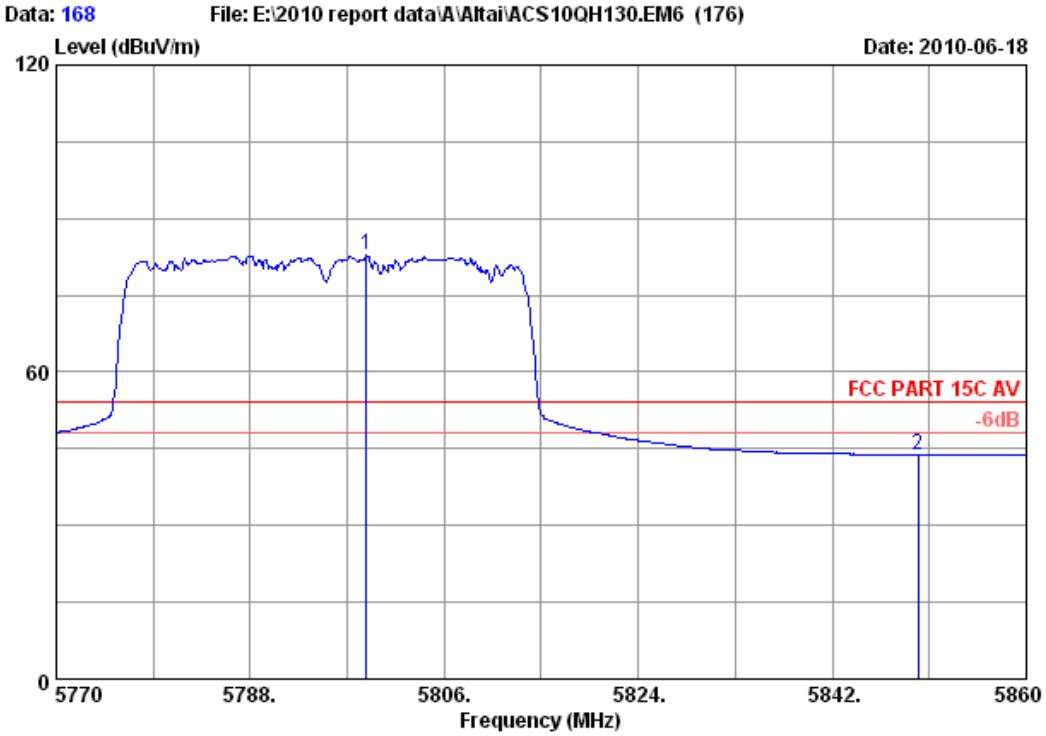

Site no. : 3m Chamber Data no. : 168
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH159 5795MHz Tx
M/N : AP5822

	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	5798.800	36.00	11.77	34.48	69.45	82.74	54.00	-28.74	Average
2	5850.000	36.00	11.81	34.46	30.53	43.88	54.00	10.12	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.

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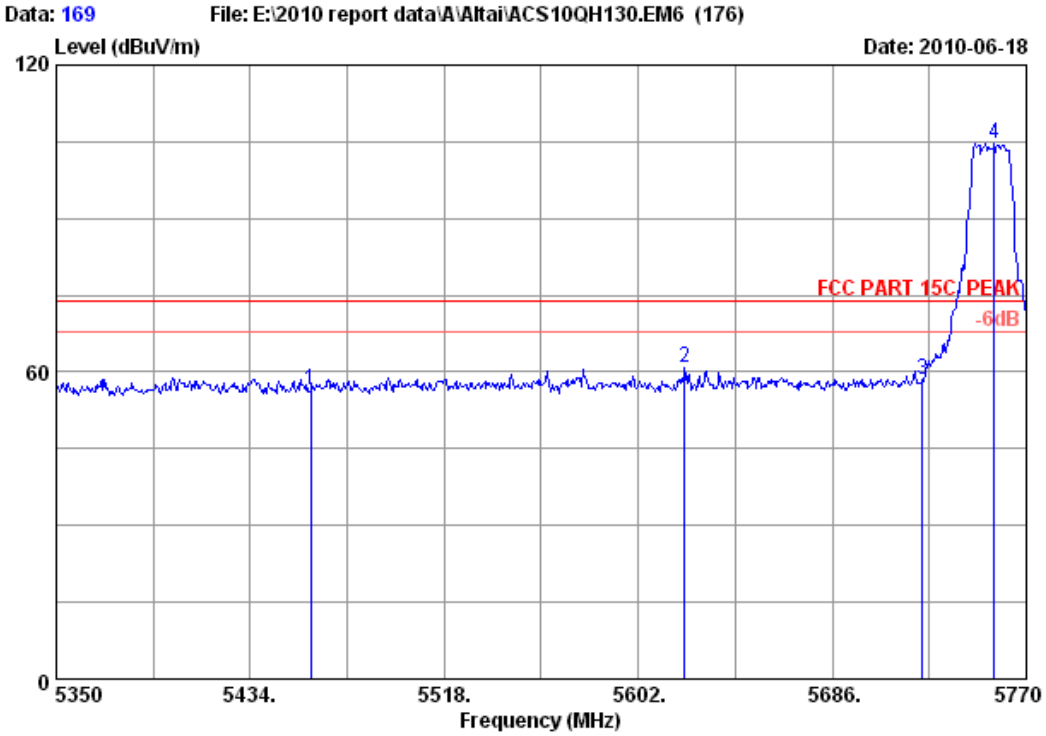

Site no. : 3m Chamber Data no. : 169
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH149 5745MHz Tx
M/N : AP5822

	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	5460.000	35.86	11.38	34.62	43.75	56.37	74.00	17.63	Peak
2	5622.160	36.00	11.56	34.55	47.87	60.88	74.00	13.12	Peak
3	5725.000	36.00	11.67	34.51	45.30	58.46	74.00	15.54	Peak
4	5756.140	36.00	11.70	34.49	91.44	104.65	74.00	-30.65	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.

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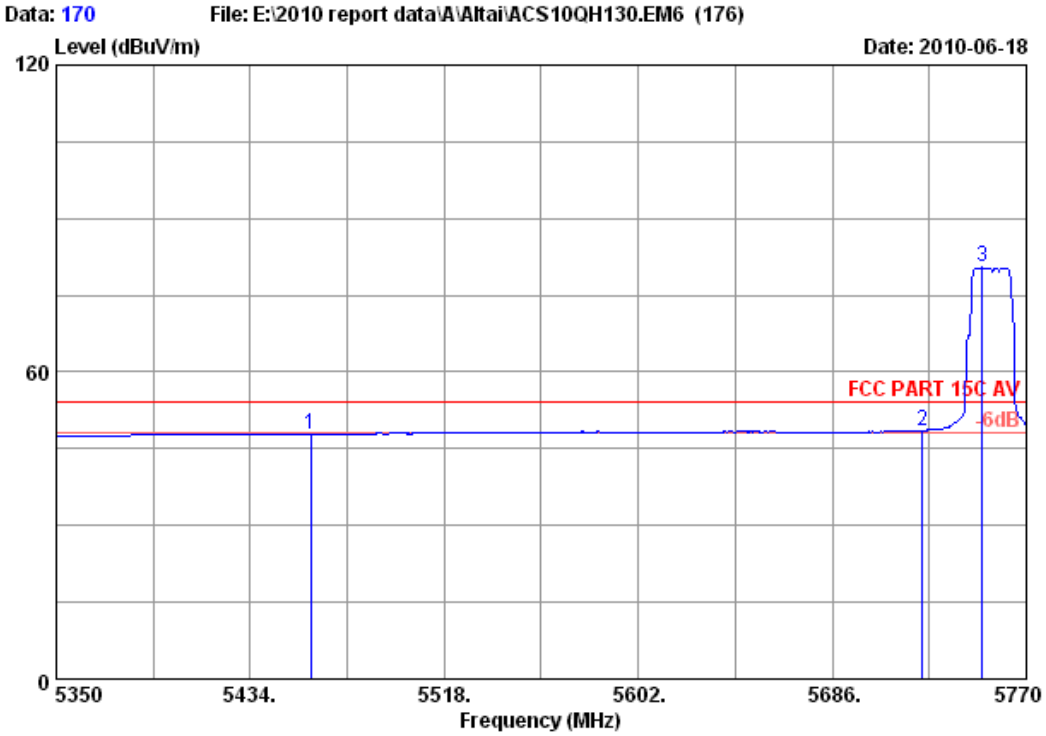

Site no. : 3m Chamber Data no. : 170
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH149 5745MHz Tx
M/N : AP5822

	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	5460.000	35.86	11.38	34.62	35.17	47.79	54.00	6.21	Average
2	5725.000	36.00	11.67	34.51	35.27	48.43	54.00	5.57	Average
3	5751.100	36.00	11.70	34.50	67.21	80.41	54.00	-26.41	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.

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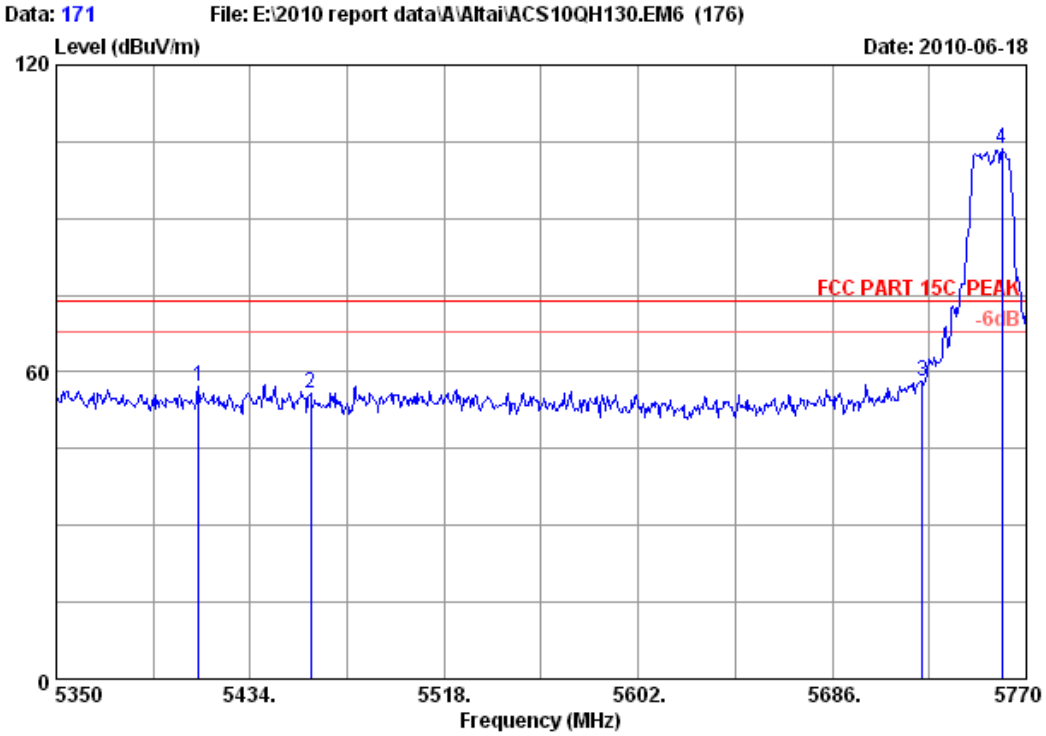

Site no. : 3m Chamber Data no. : 171
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH149 5745MHz Tx
M/N : AP5822

	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	5411.740	35.77	11.31	34.65	44.63	57.06	74.00	16.94	Peak
2	5460.000	35.86	11.38	34.62	43.15	55.77	74.00	18.23	Peak
3	5725.000	36.00	11.67	34.51	45.08	58.24	74.00	15.76	Peak
4	5759.500	36.00	11.72	34.49	90.31	103.54	74.00	-29.54	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.

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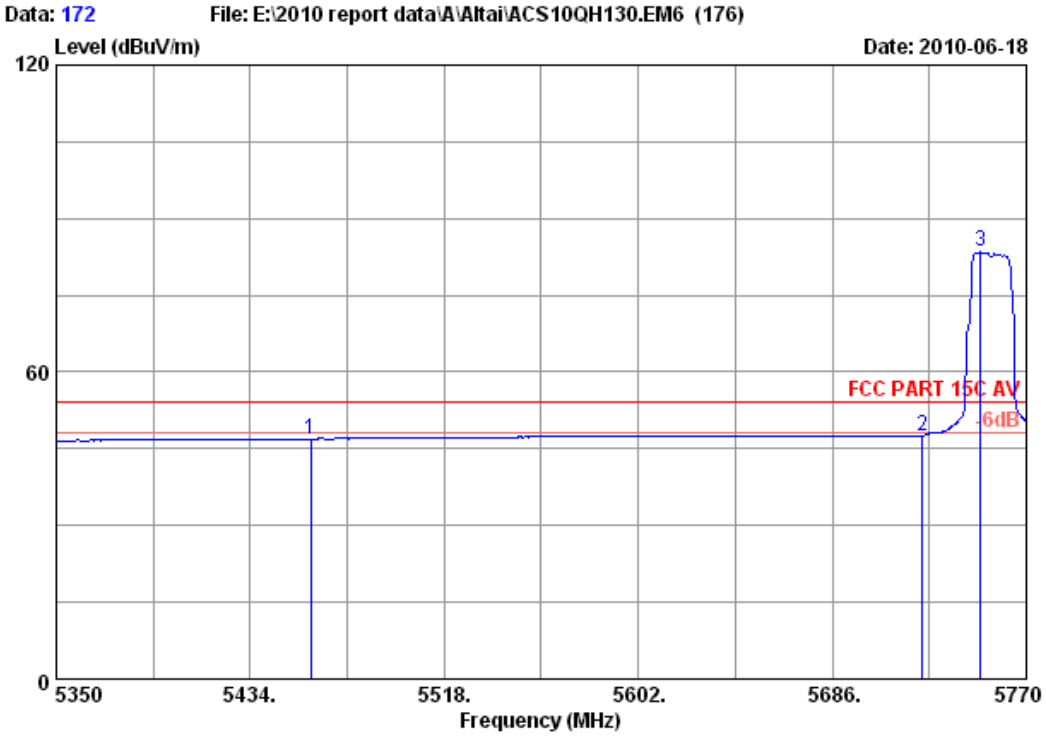

Site no. : 3m Chamber Data no. : 172
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH149 5745MHz Tx
M/N : AP5822

	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	5460.000	35.86	11.38	34.62	34.28	46.90	54.00	7.10	Average
2	5725.000	36.00	11.67	34.51	34.37	47.53	54.00	6.47	Average
3	5750.260	36.00	11.70	34.50	70.26	83.46	54.00	-29.46	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.

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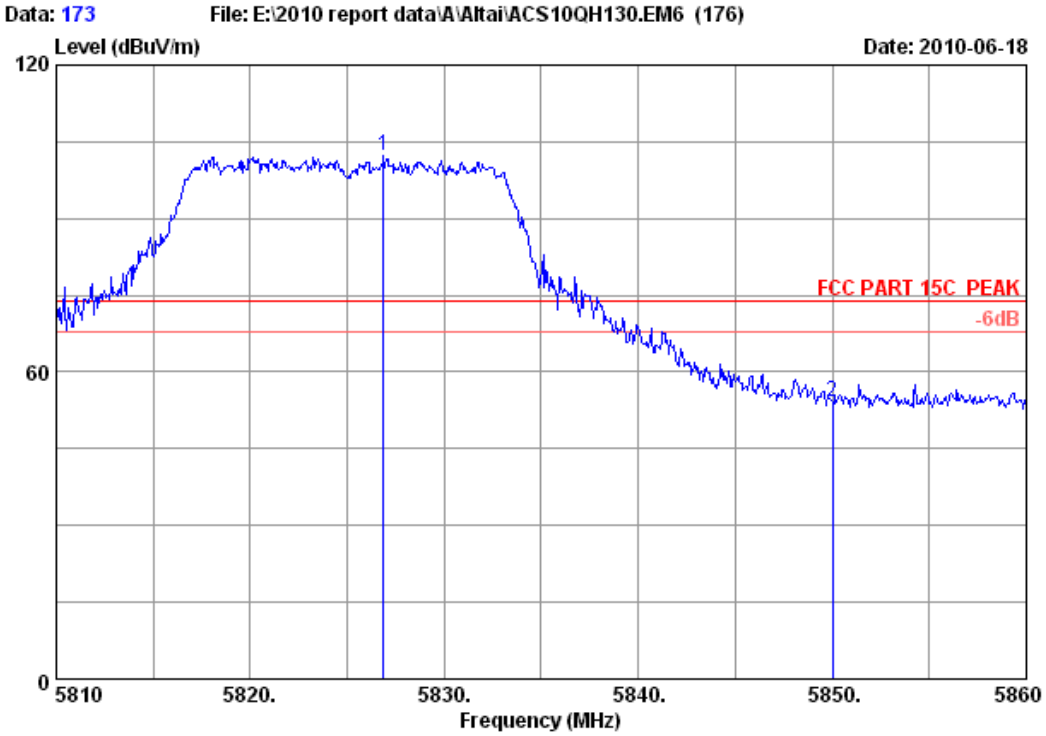

Site no. : 3m Chamber Data no. : 173
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH165 5825MHz Tx
M/N : AP5822

	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	5826.850	36.00	11.79	34.47	88.91	102.23	74.00	-28.23	Peak
2	5850.000	36.00	11.81	34.46	40.85	54.20	74.00	19.80	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.

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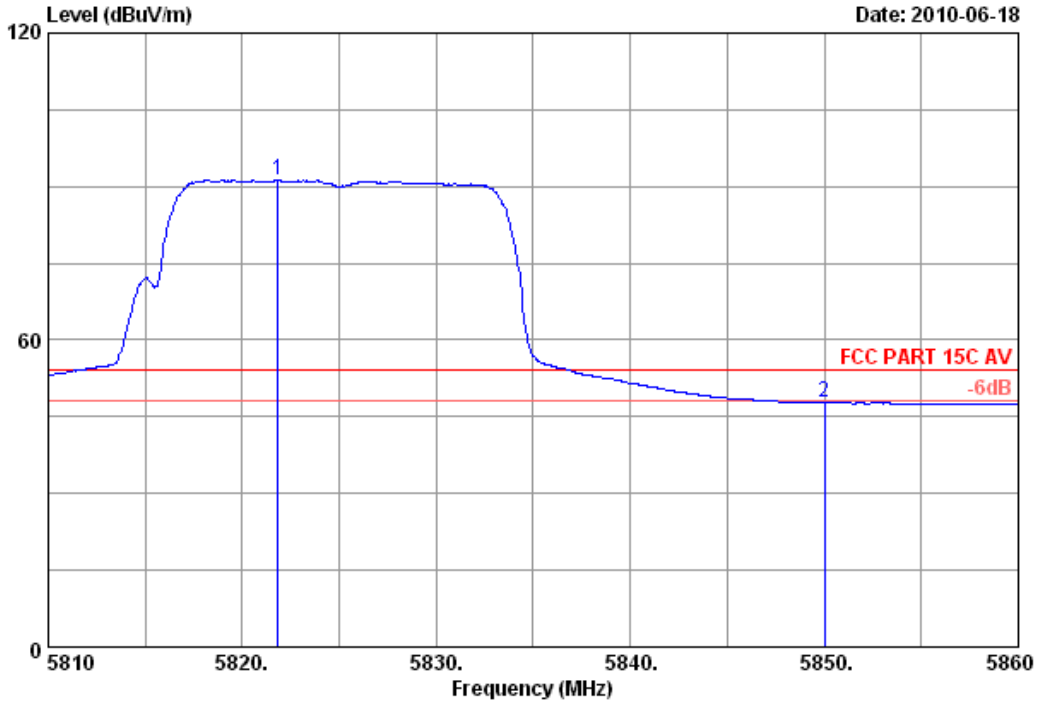
Postcode:518057

Data: 174 File: E:\2010 report data\A\Altai\ACS10QH130.EM6 (176)



Site no. : 3m Chamber Data no. : 174
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH165 5825MHz Tx
M/N : AP5822

	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	5821.850	36.00	11.79	34.47	78.05	91.37	54.00	-37.37	Average
2	5850.000	36.00	11.81	34.46	34.39	47.74	54.00	6.26	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.

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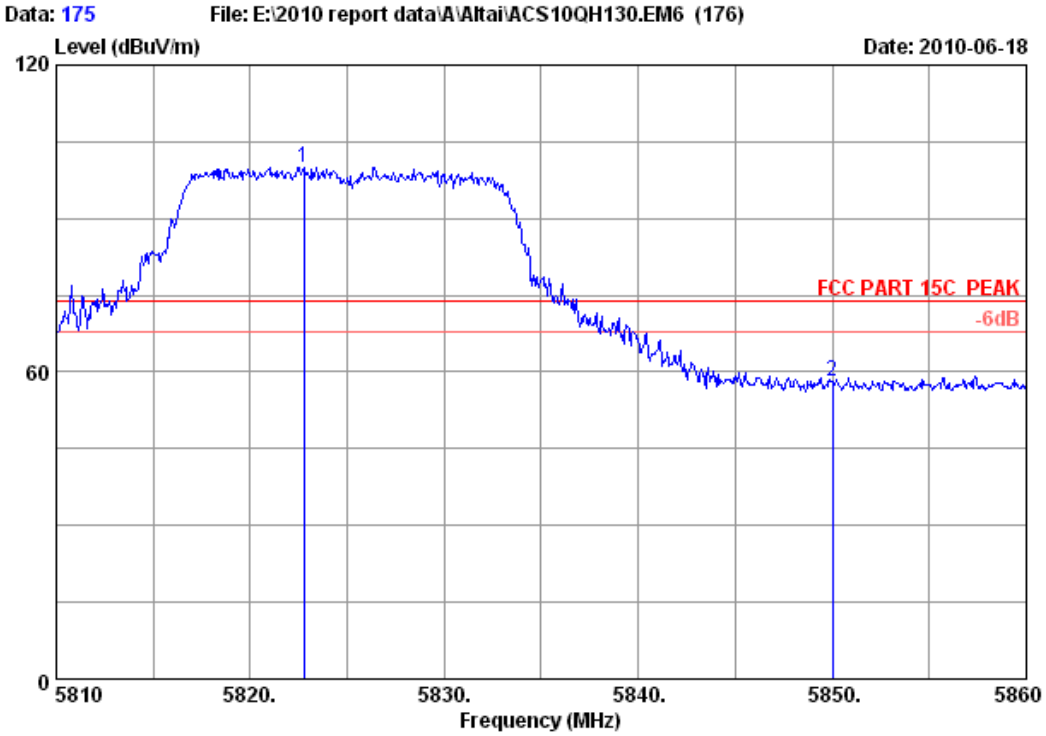

Site no. : 3m Chamber Data no. : 175
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH165 5825MHz Tx
M/N : AP5822

	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	5822.750	36.00	11.79	34.47	86.71	100.03	74.00	-26.03	Peak
2	5850.000	36.00	11.81	34.46	44.82	58.17	74.00	15.83	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.

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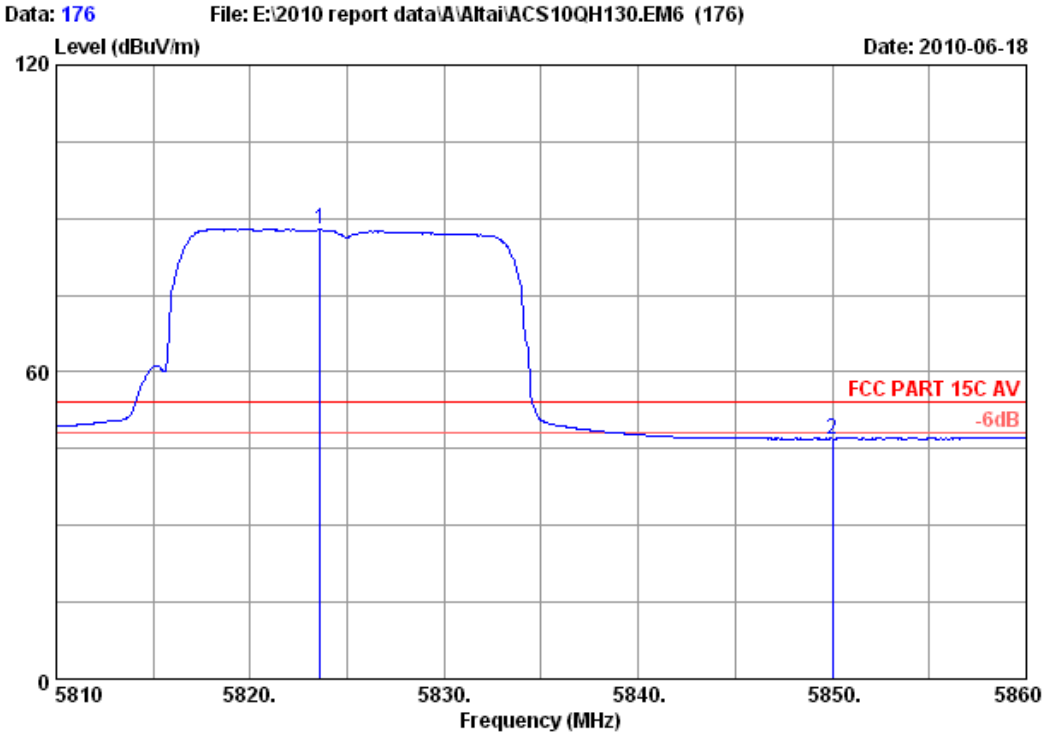


Site no. : 3m Chamber Data no. : 176
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : A2 WiFi Access Point/Bridge
Power : DC 48V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH165 5825MHz Tx
M/N : AP5822

	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	5823.600	36.00	11.79	34.47	74.65	87.97	54.00	-33.97	Average
2	5850.000	36.00	11.81	34.46	33.61	46.96	54.00	7.04	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.08,10	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,10	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,10	1Year

7.2. Limit

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

7.3. Test Procedure

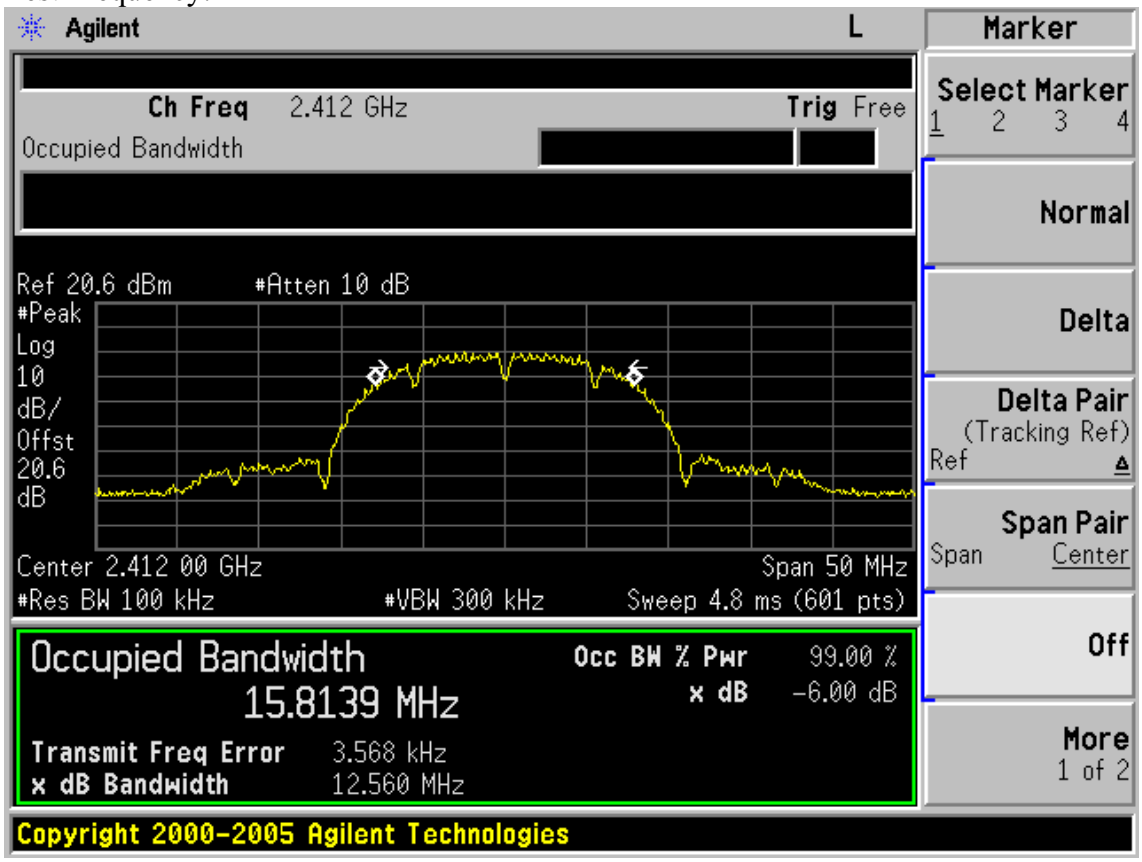
The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

7.4.Test Results

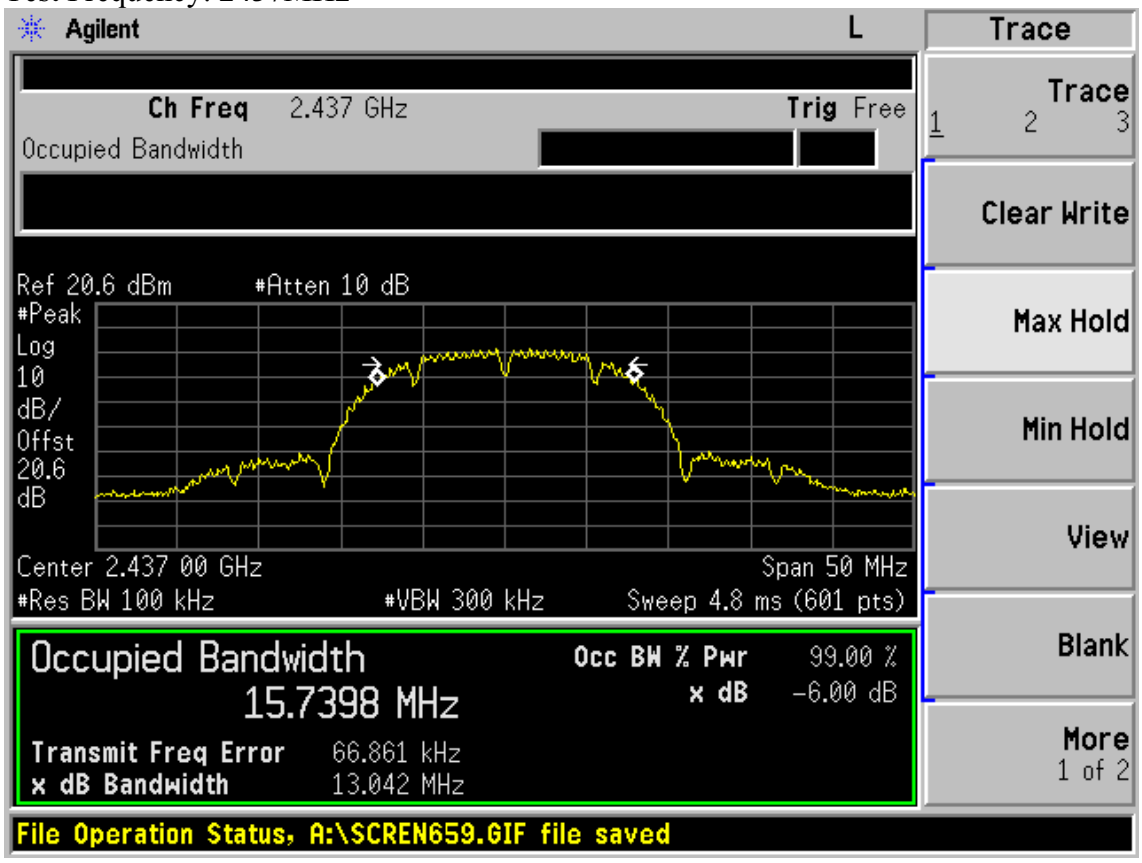
EUT: A2 WiFi Access Point/Bridge		
M/N: AP5822		
Test date: 2010-06-20	Pressure: 100.6 kpa	Humidity: 56 %
Tested by: Sunny-lu	Test site: RF Site	Temperature：25 ℃

Cable loss: 0.6 dB		Attenuator loss: 20 dB		Antenna Gain: 2.4GHz:5.0 dBi 5.0GHz :16dBi	
Test Mode	CH	Result			Limit (KHz)
		Chain0 6dB bandwidth （MHz）	Chain1 6dB bandwidth （MHz）		
11b	CH1	12.560	12.134		>500
	CH6	13.042	12.113		>500
	CH11	12.084	12.607		>500
11g	CH1	16.520	16.605		>500
	CH6	16.567	16.550		>500
	CH11	16.590	16.601		>500
11n HT20	CH1	17.791	17.780		>500
	CH6	17.715	17.751		>500
	CH11	17.698	17.752		>500
	CH149	17.609	17.639		>500
	CH157	17.665	17.658		>500
	CH165	17.635	17.641		>500
11n HT40	CH1	36.389	36.403		>500
	CH4	36.171	36.125		>500
	CH7	36.433	36.184		>500
	CH151	36.442	36.489		>500
	CH159	36.279	36.497		>500
11a	CH149	16.504	16.524		>500
	CH157	16.473	16.426		>500
	CH165	16.390	16.401		>500
Conclusion：PASS					

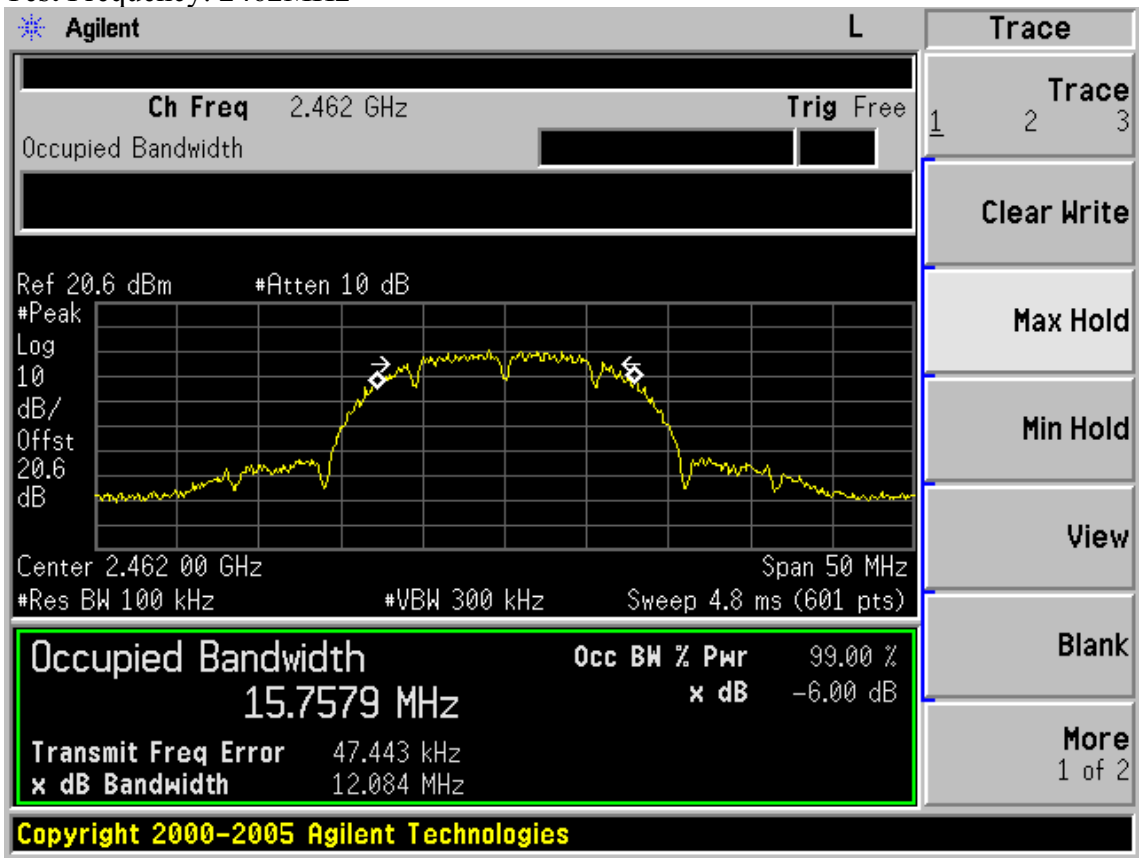
(2.4G) Chain 1:
Test Mode: IEEE 802.11b TX
Test Frequency: 2412MHz



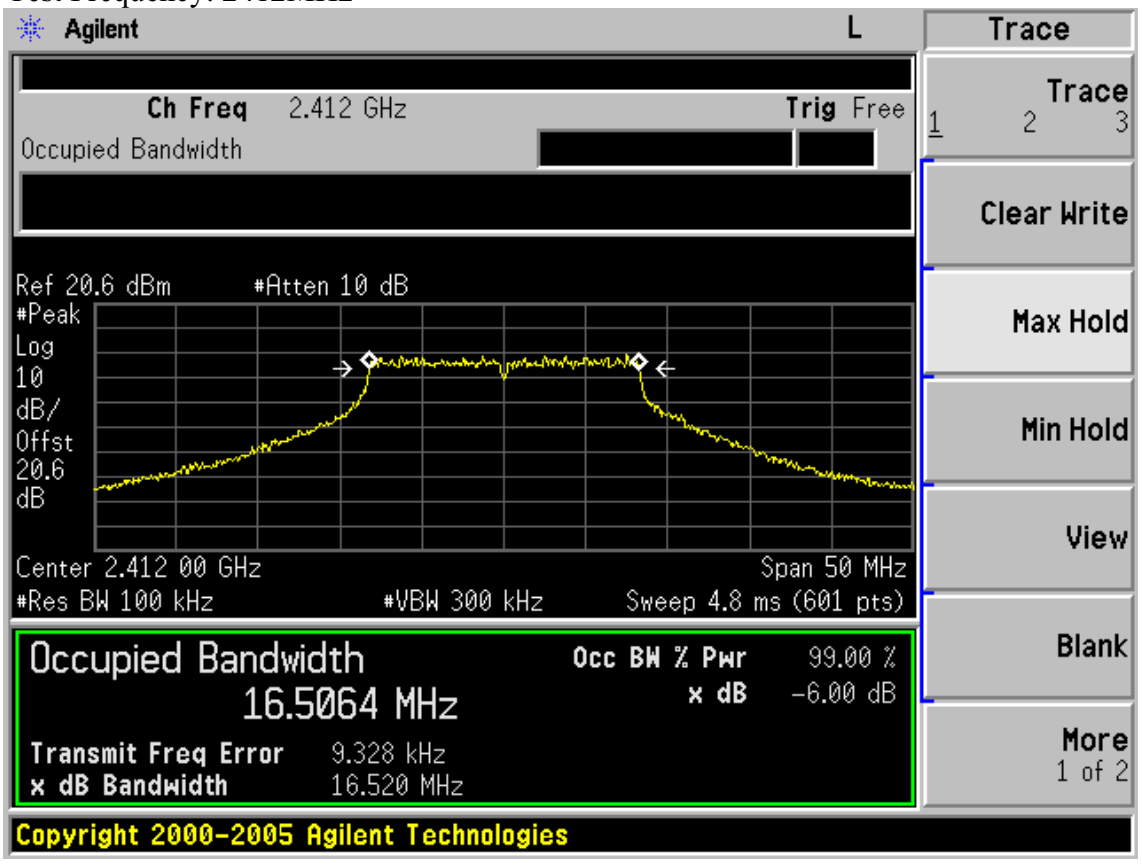
Test Frequency: 2437MHz



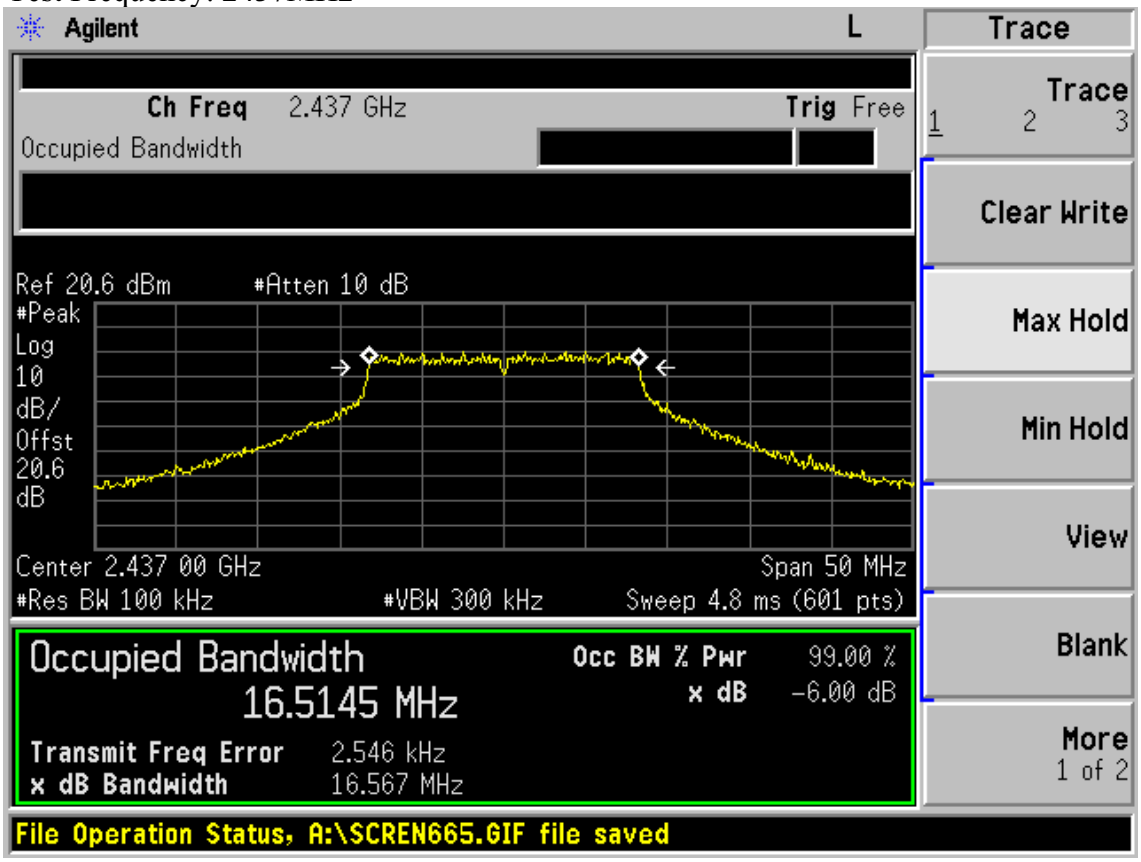
Test Frequency: 2462MHz



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



Test Frequency: 2437MHz



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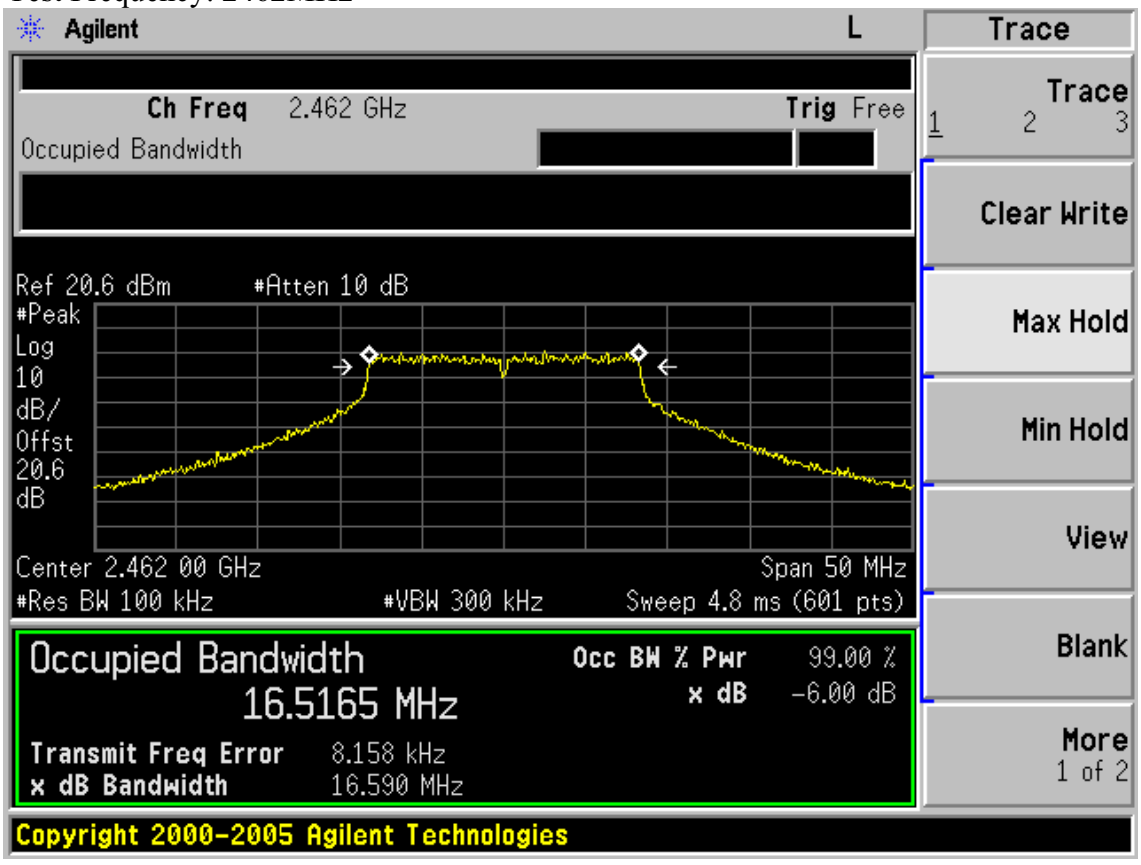
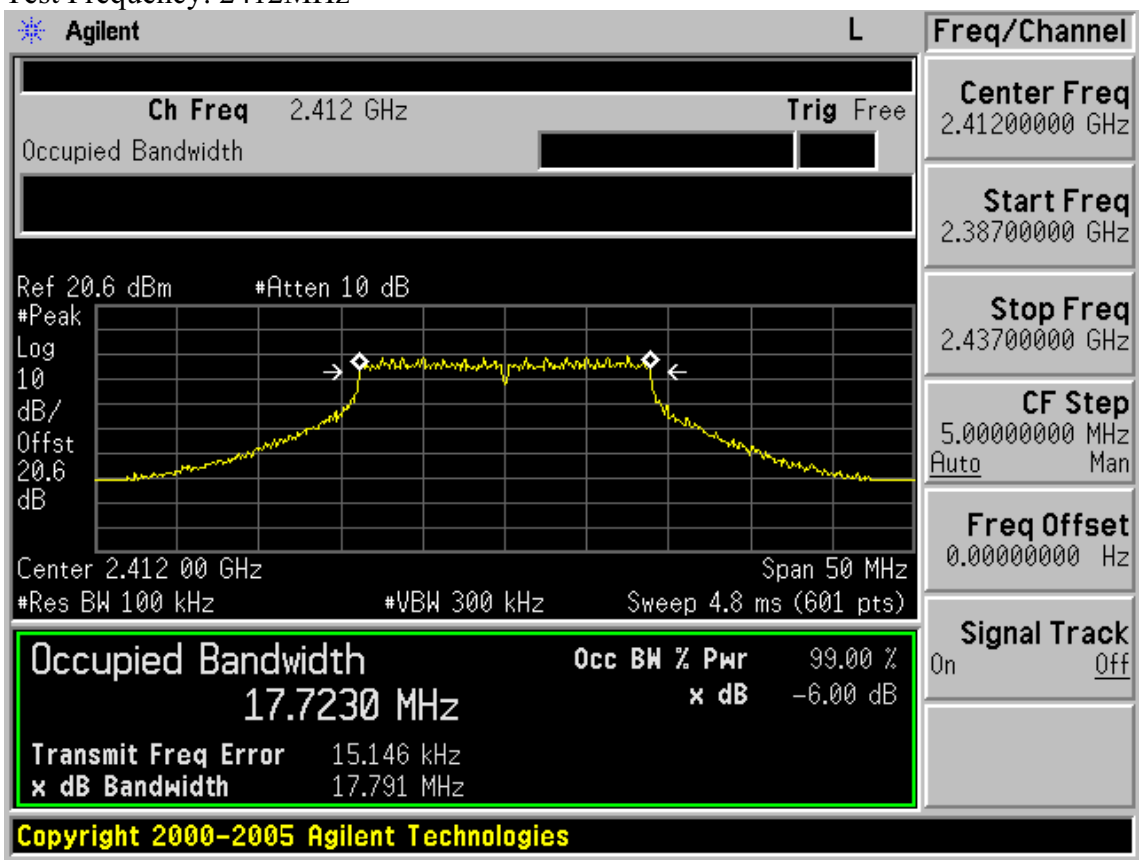
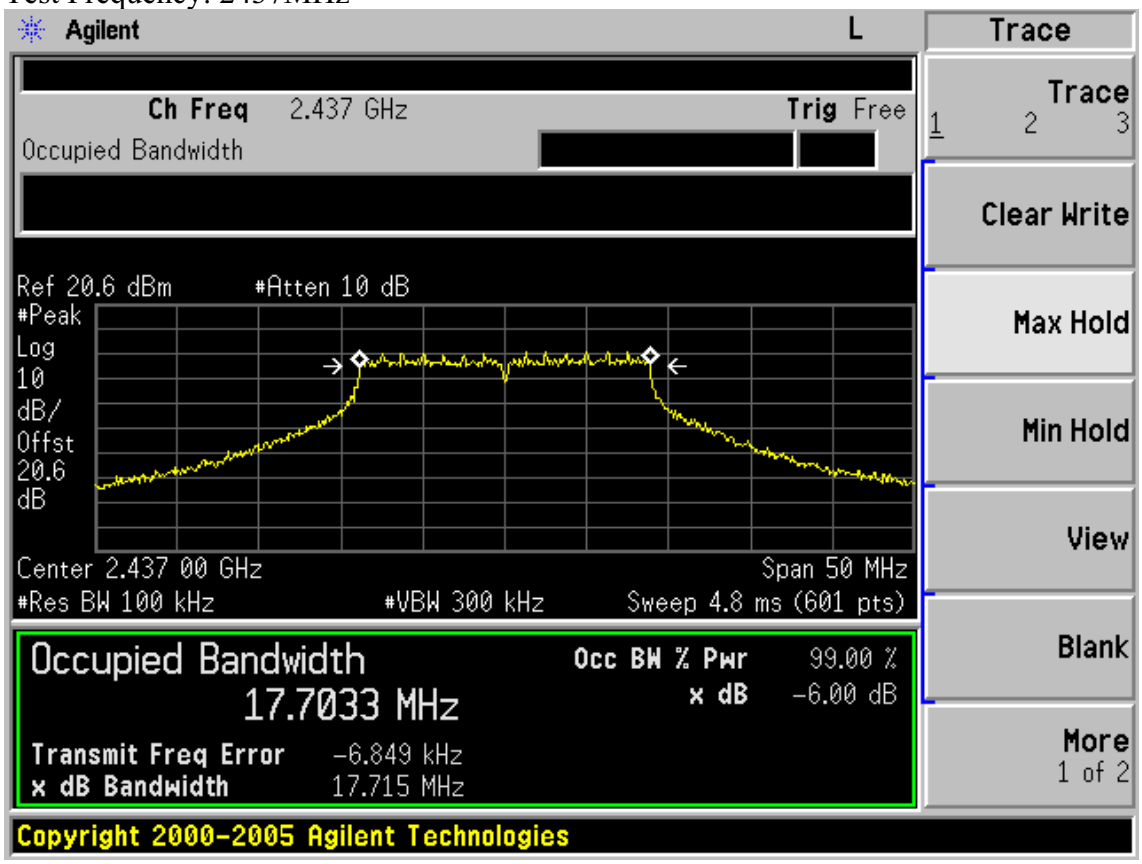


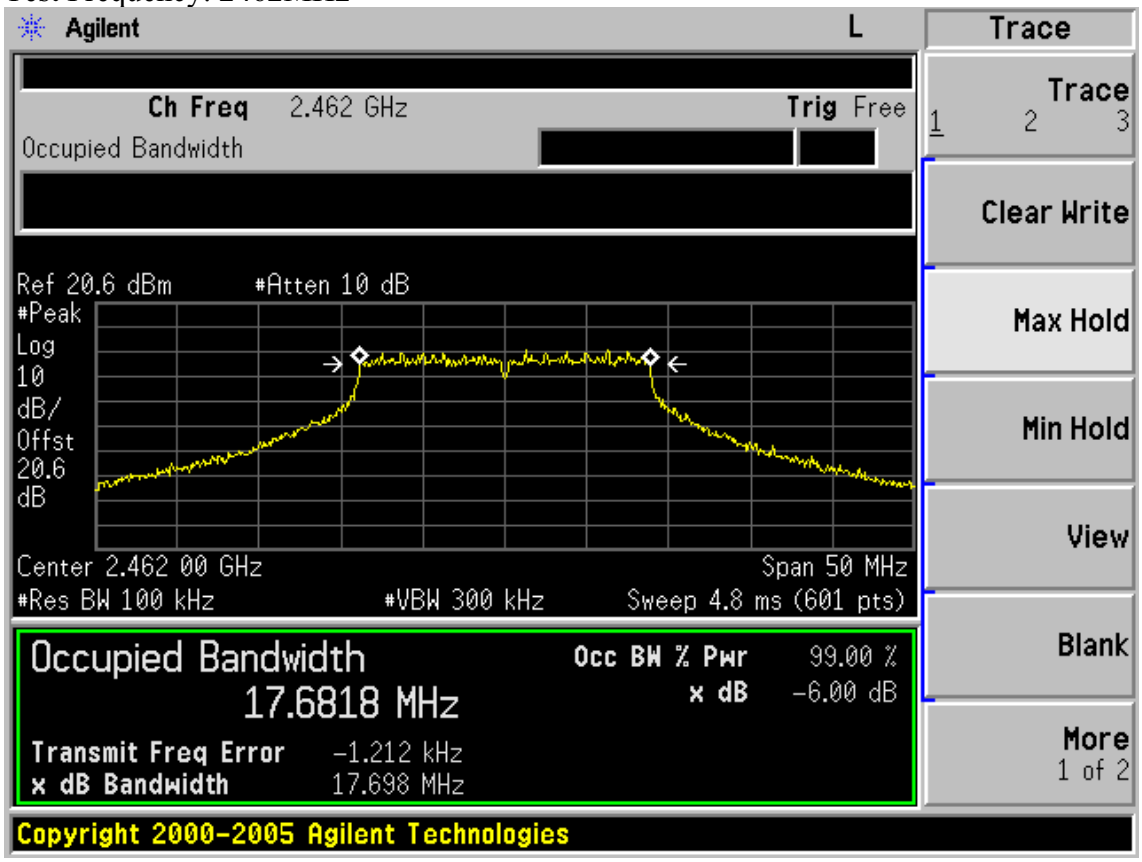
Test Mode: IEEE 802.11n HT20 TX
Test Frequency: 2412MHz



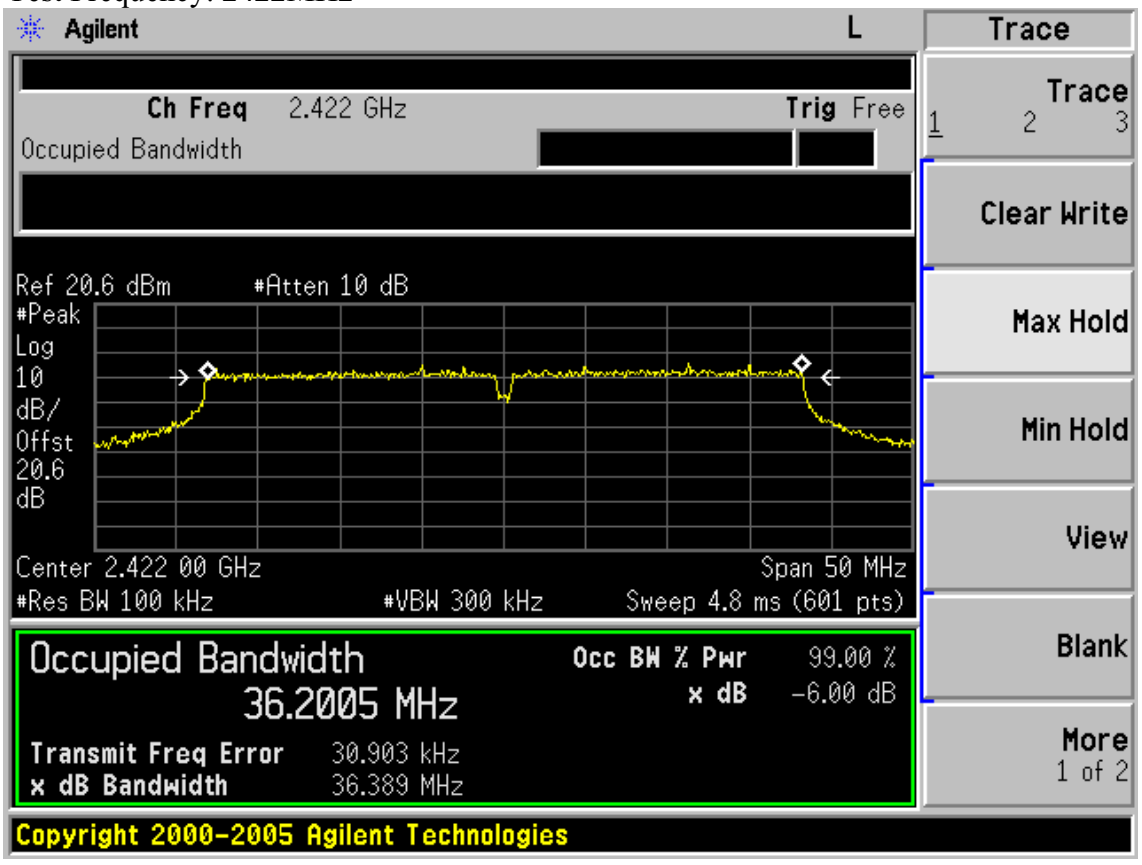
Test Frequency: 2437MHz



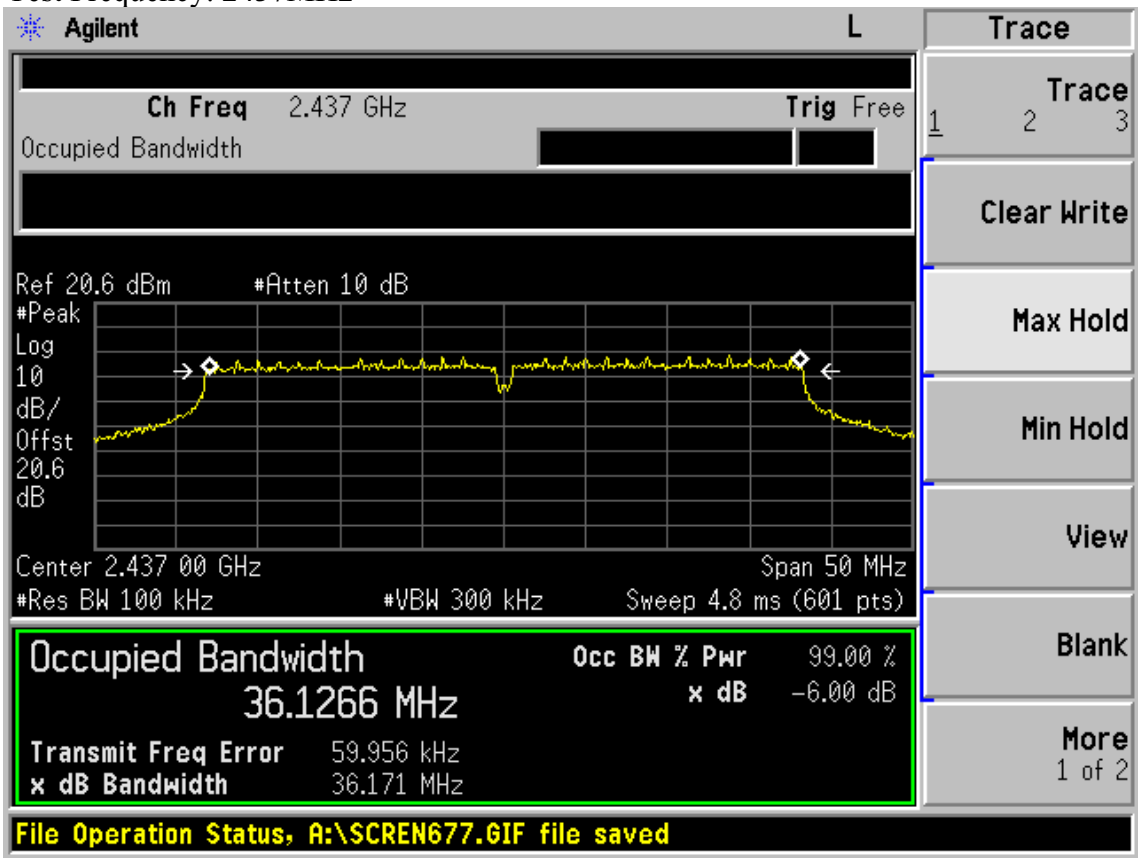
Test Frequency: 2462MHz



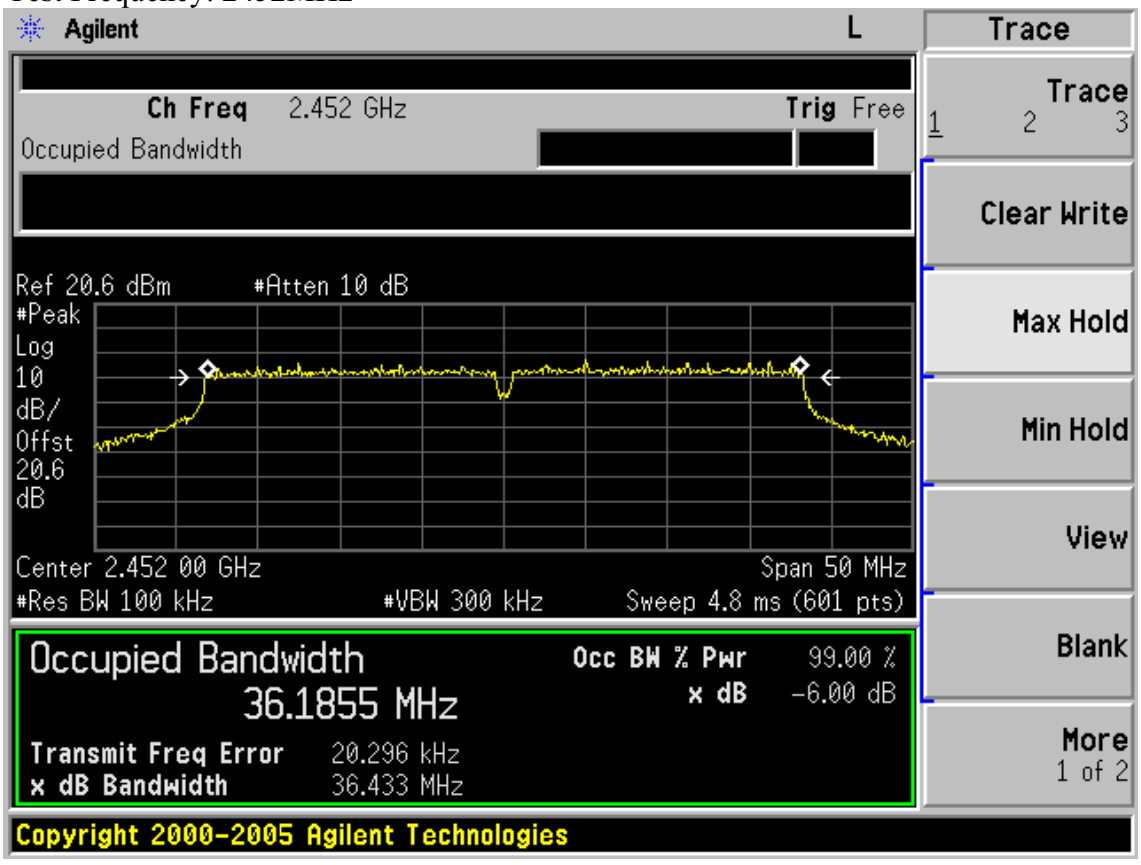
Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 2422MHz



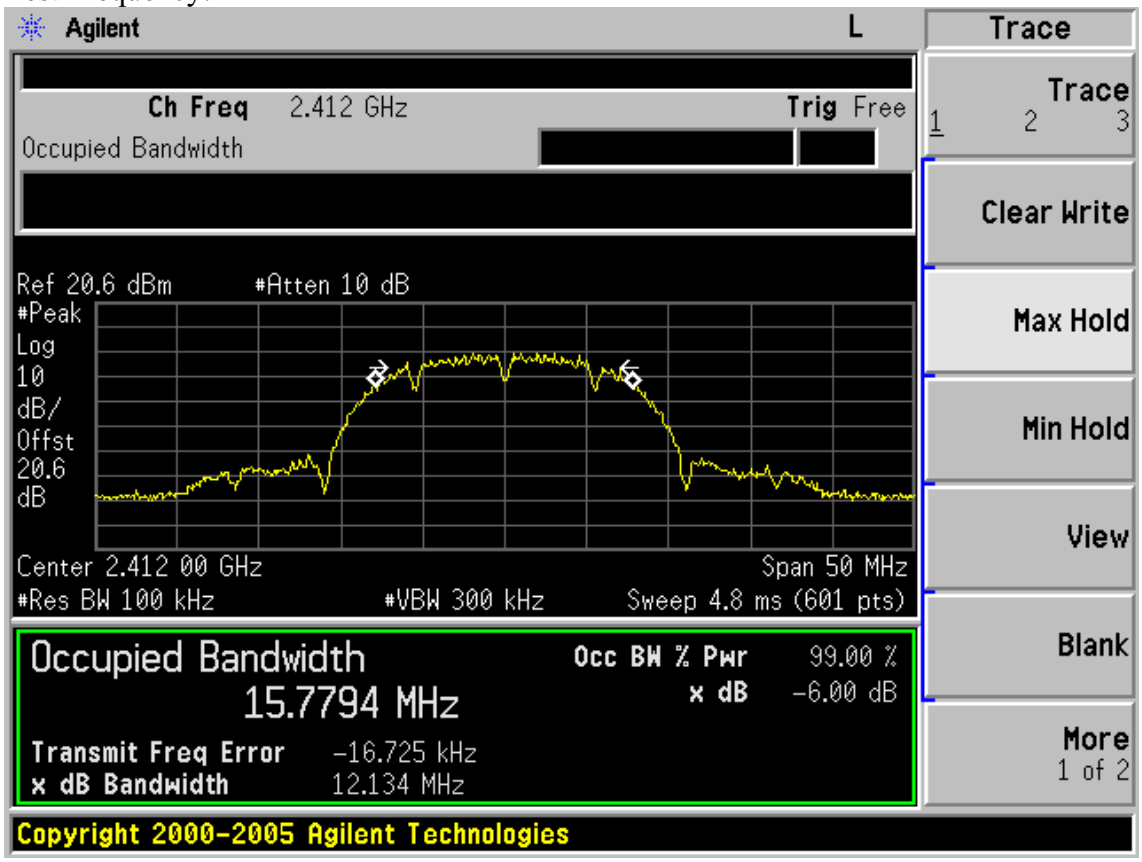
Test Frequency: 2437MHz



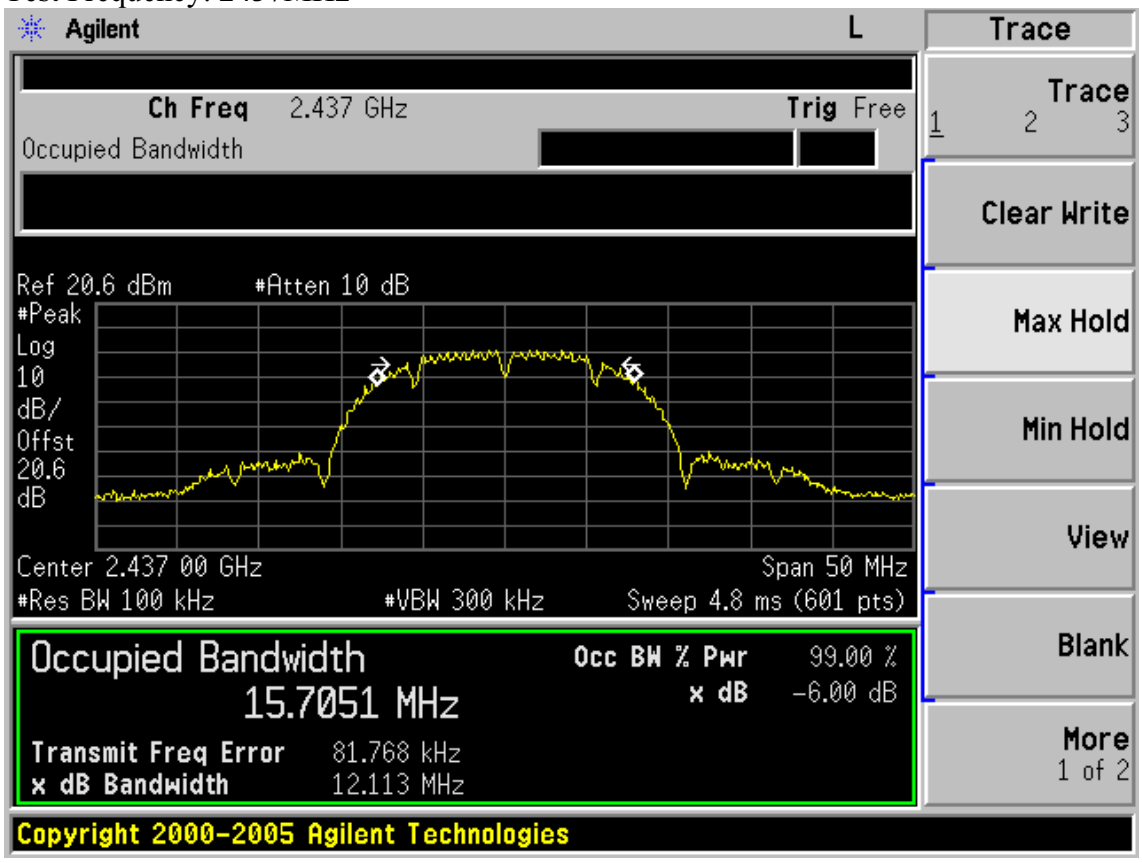
Test Frequency: 2452MHz



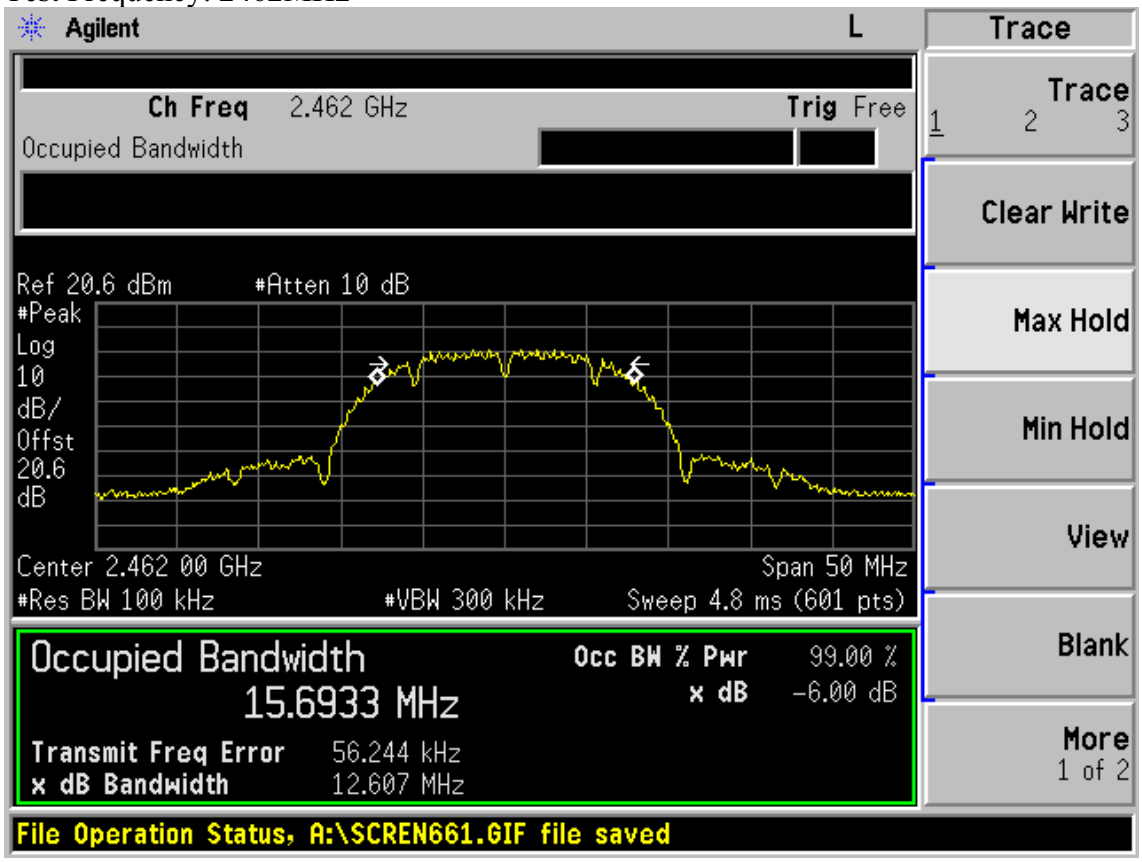
Chain 2:
Test Mode: IEEE 802.11b TX
Test Frequency: 2412MHz



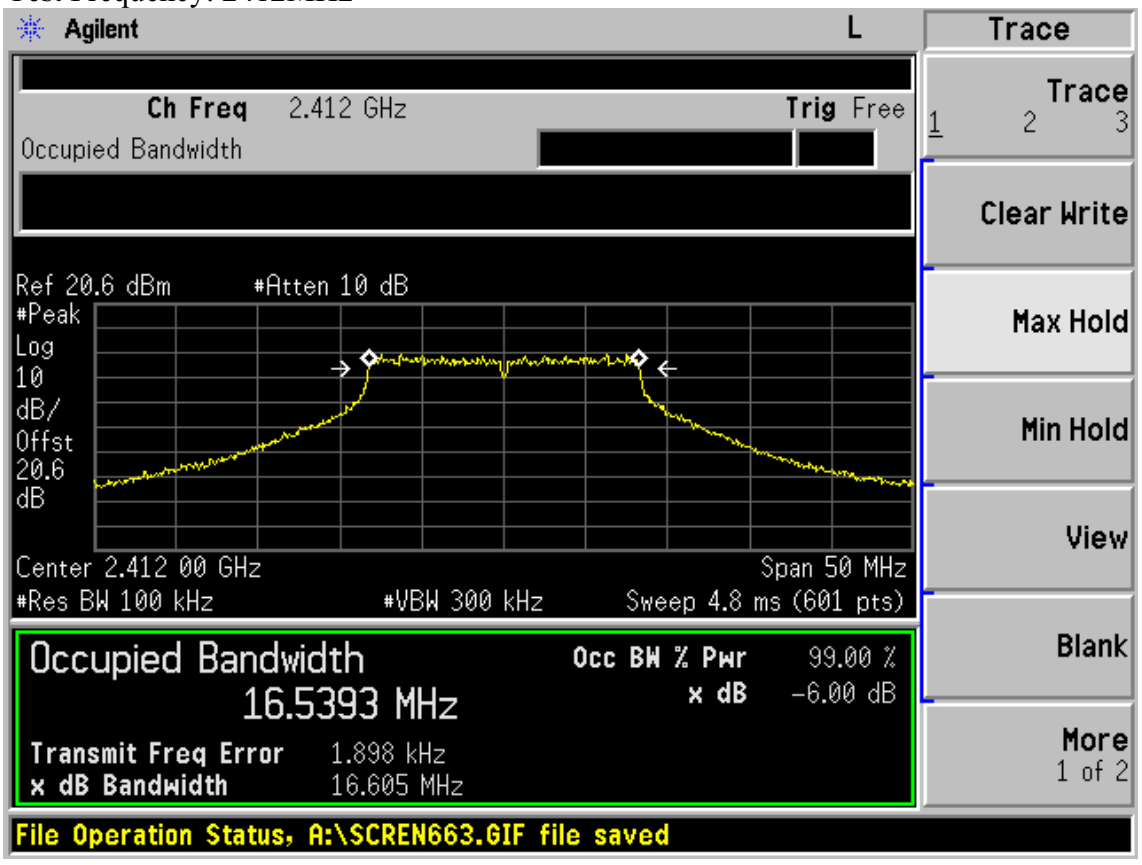
Test Frequency: 2437MHz



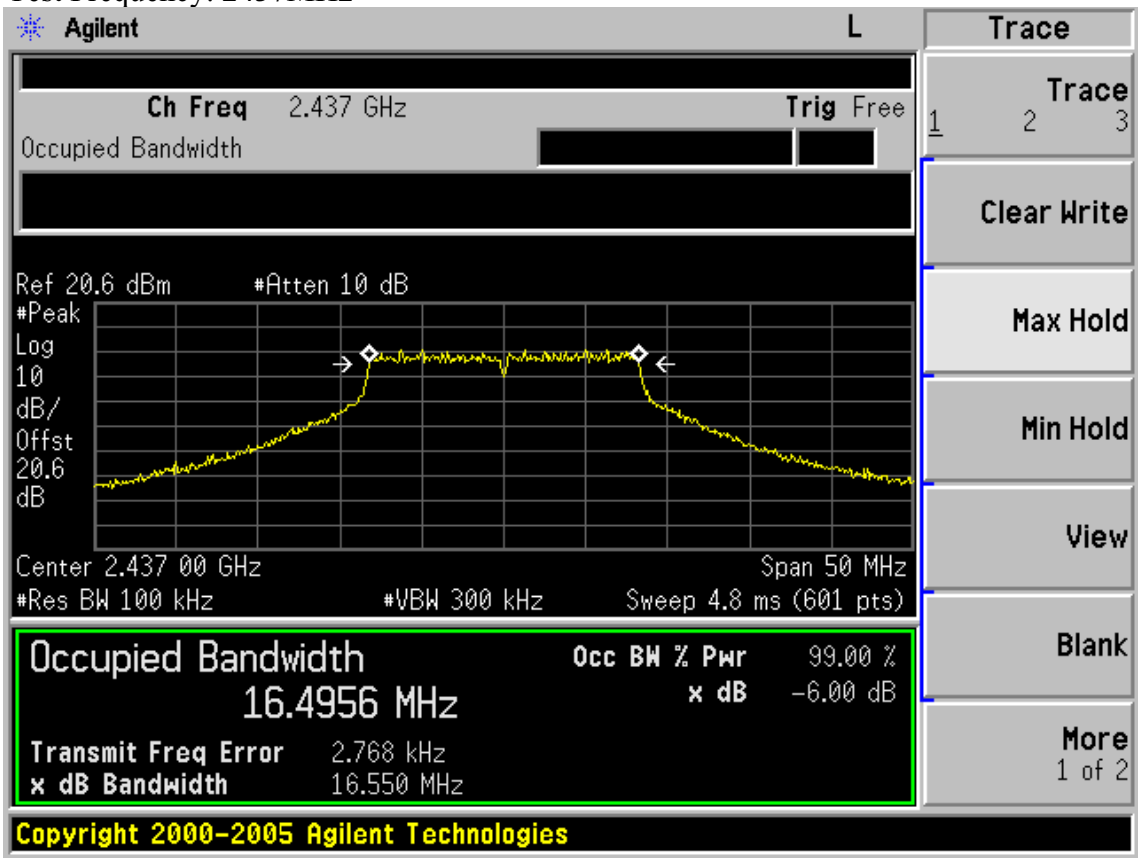
Test Frequency: 2462MHz



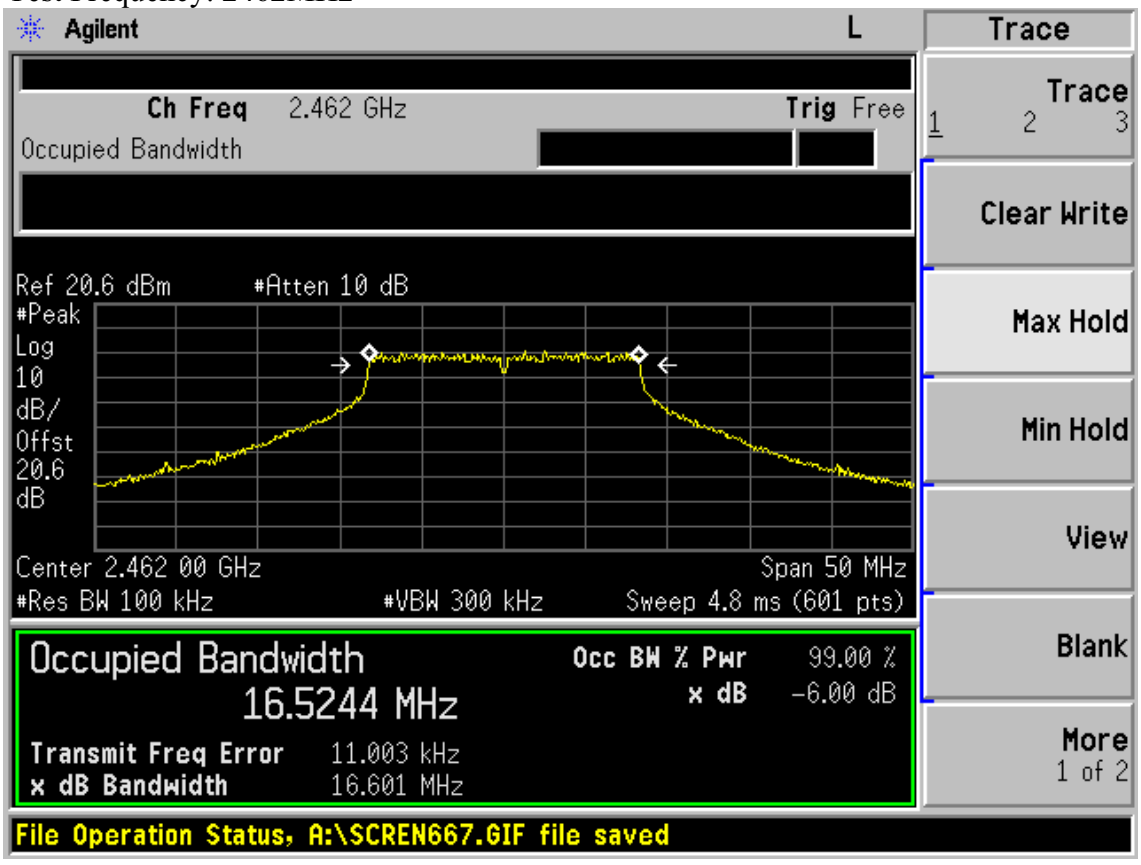
Test Mode: IEEE 802.11g TX
Test Frequency: 2412MHz



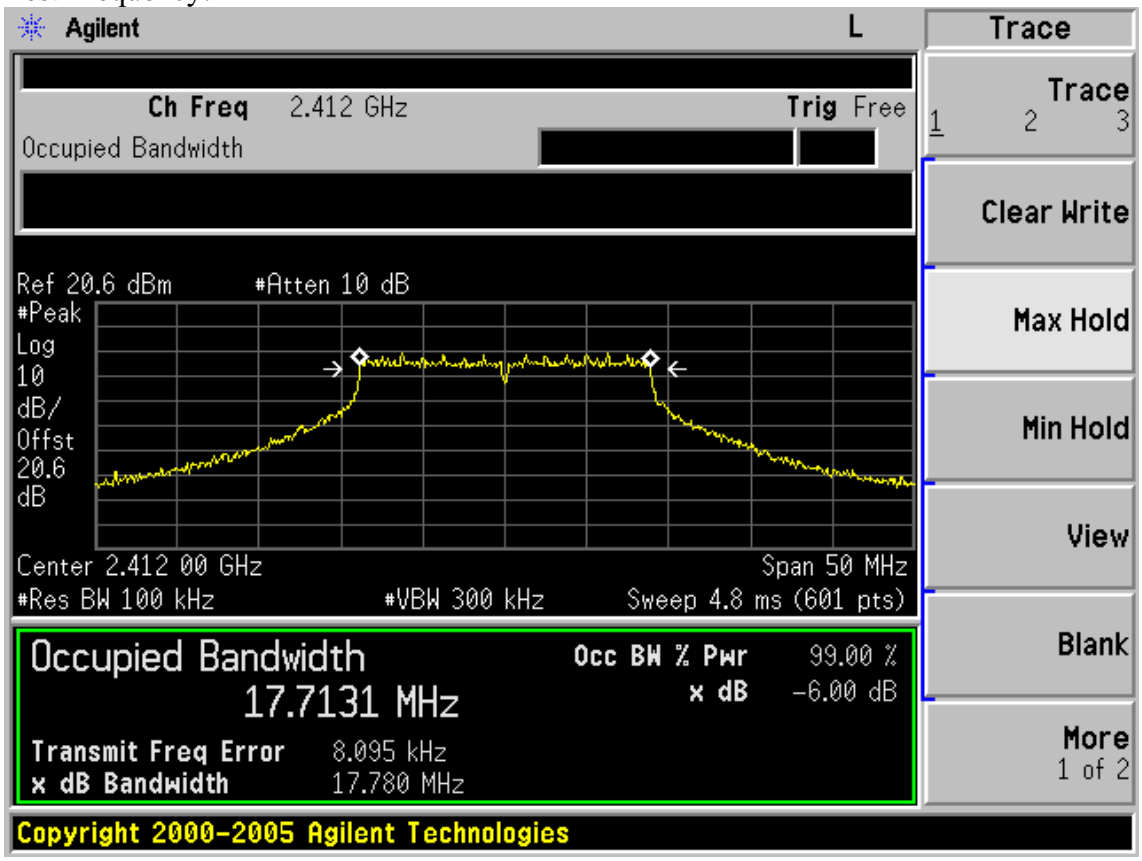
Test Frequency: 2437MHz



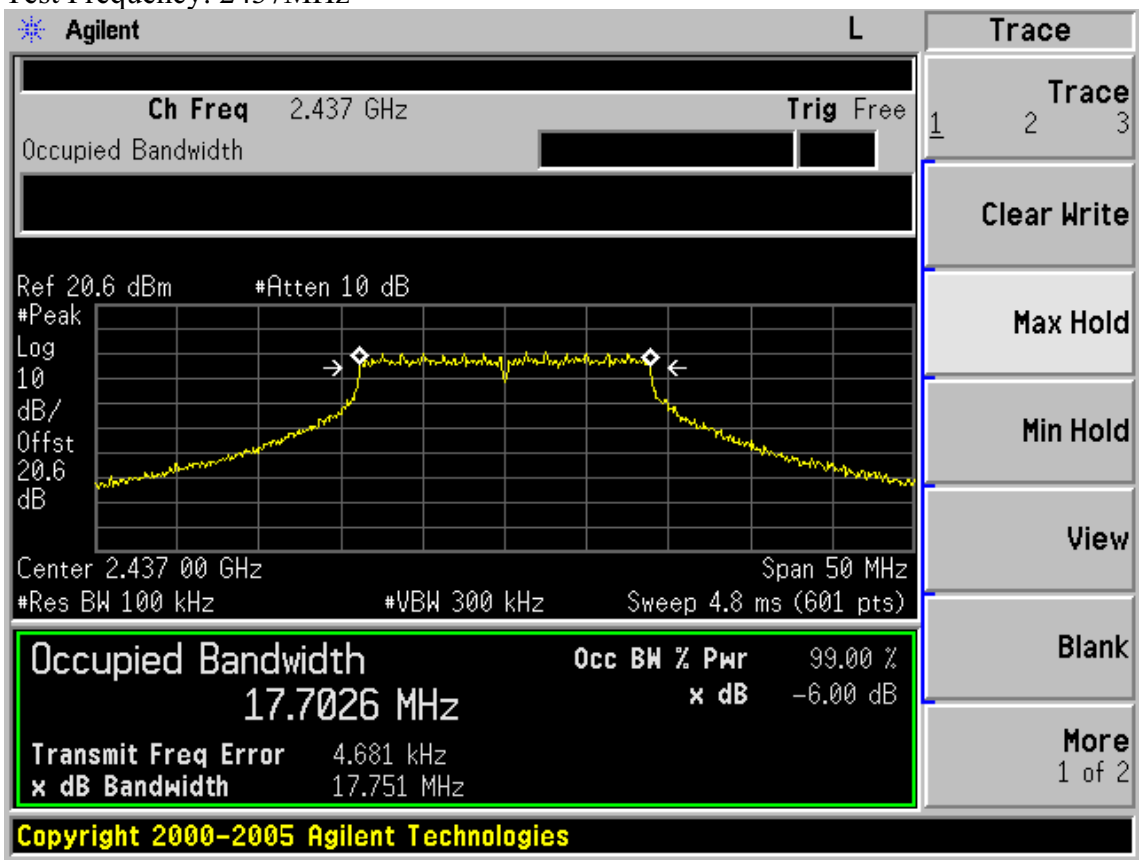
Test Frequency: 2462MHz



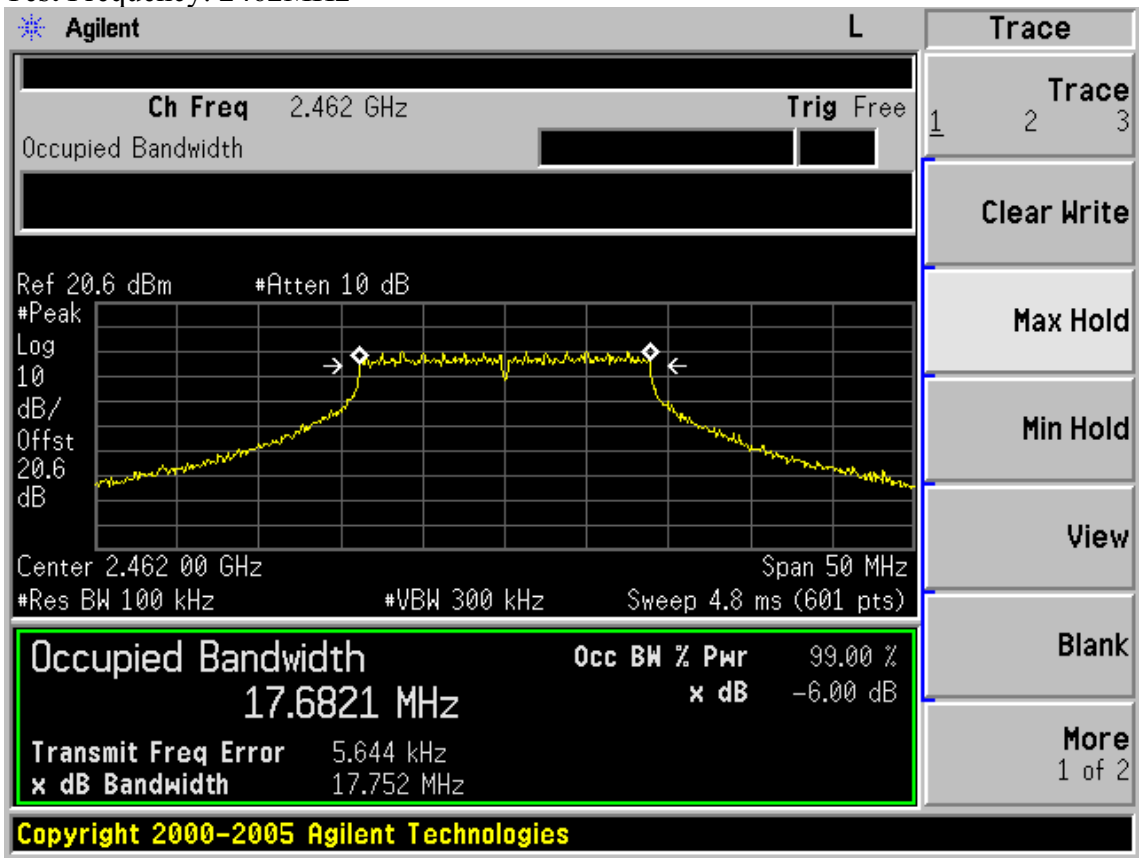
Test Mode: IEEE 802.11n HT20 TX
Test Frequency: 2412MHz



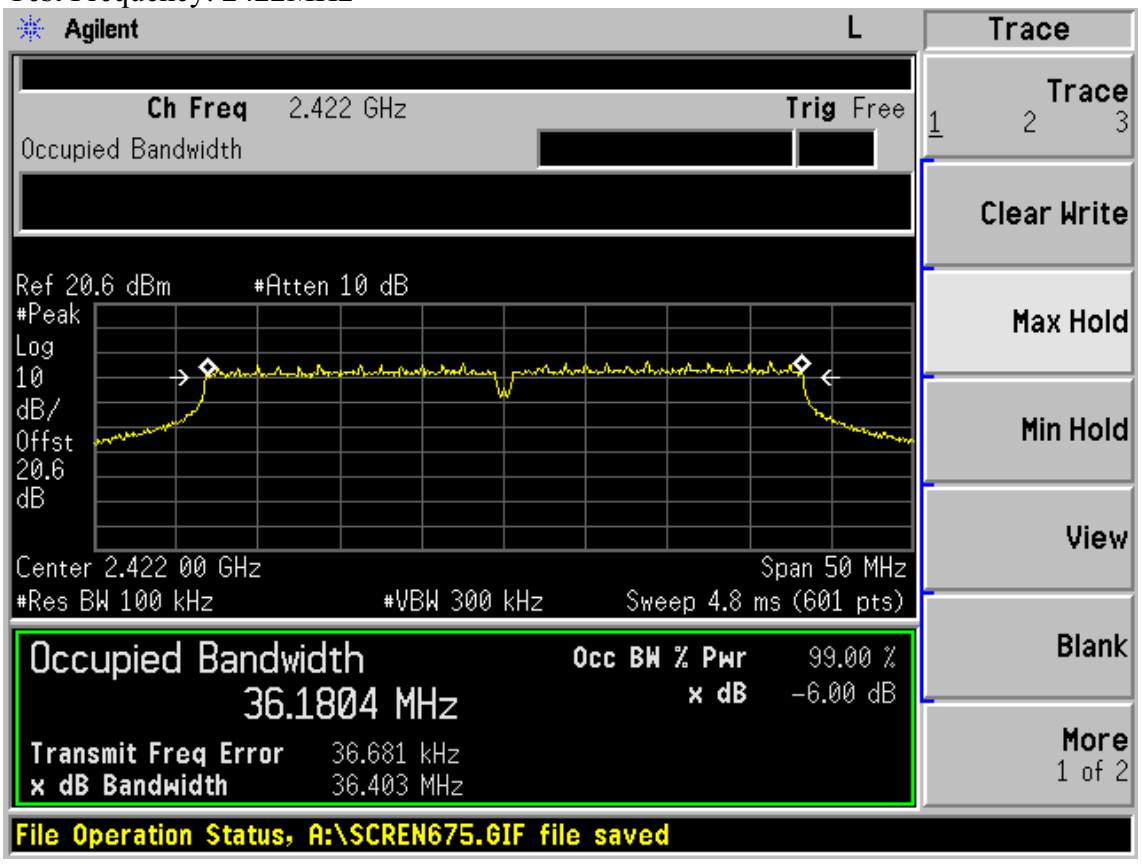
Test Frequency: 2437MHz



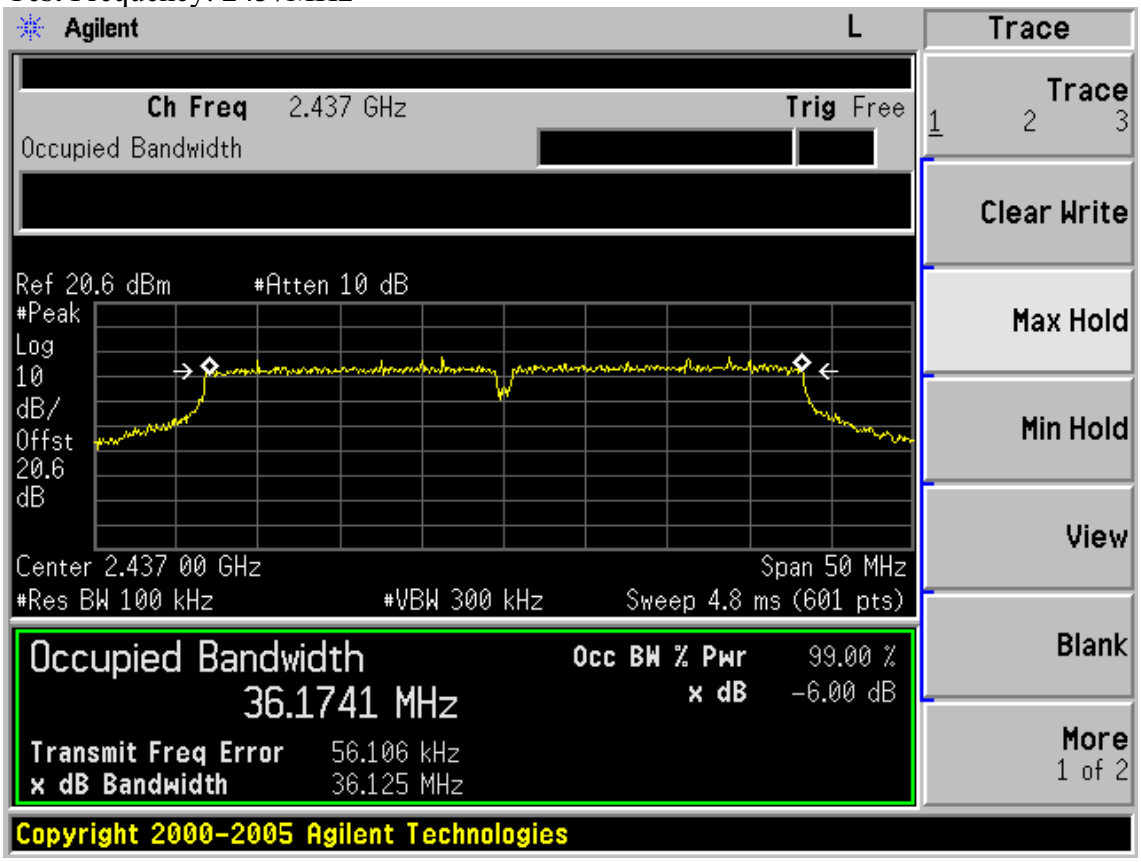
Test Frequency: 2462MHz



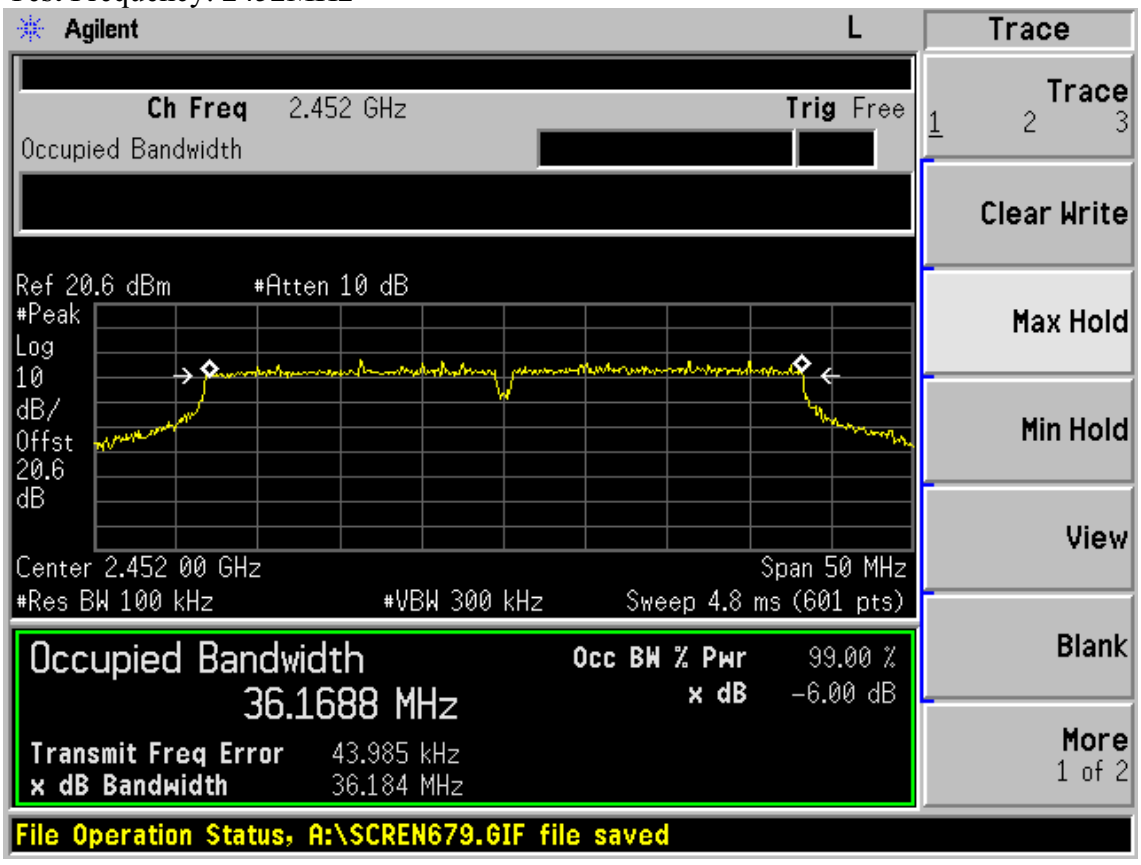
Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 2422MHz



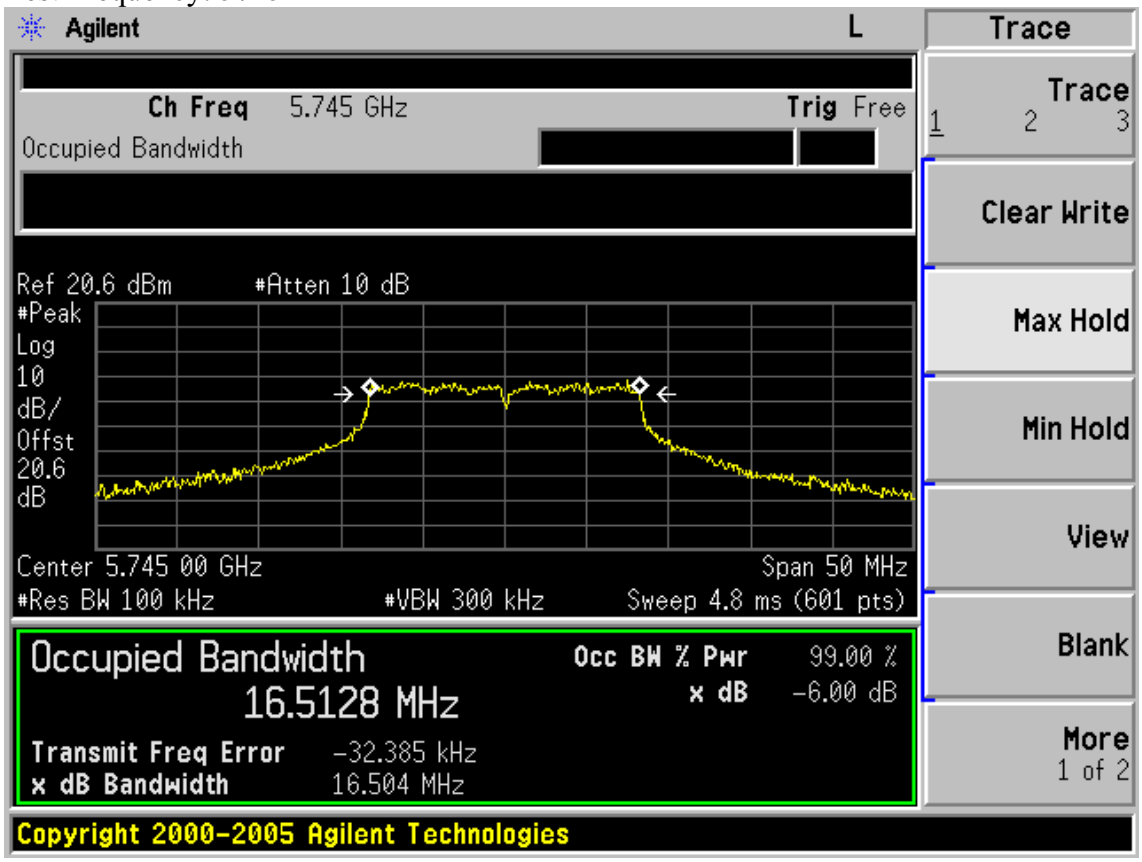
Test Frequency: 2437MHz



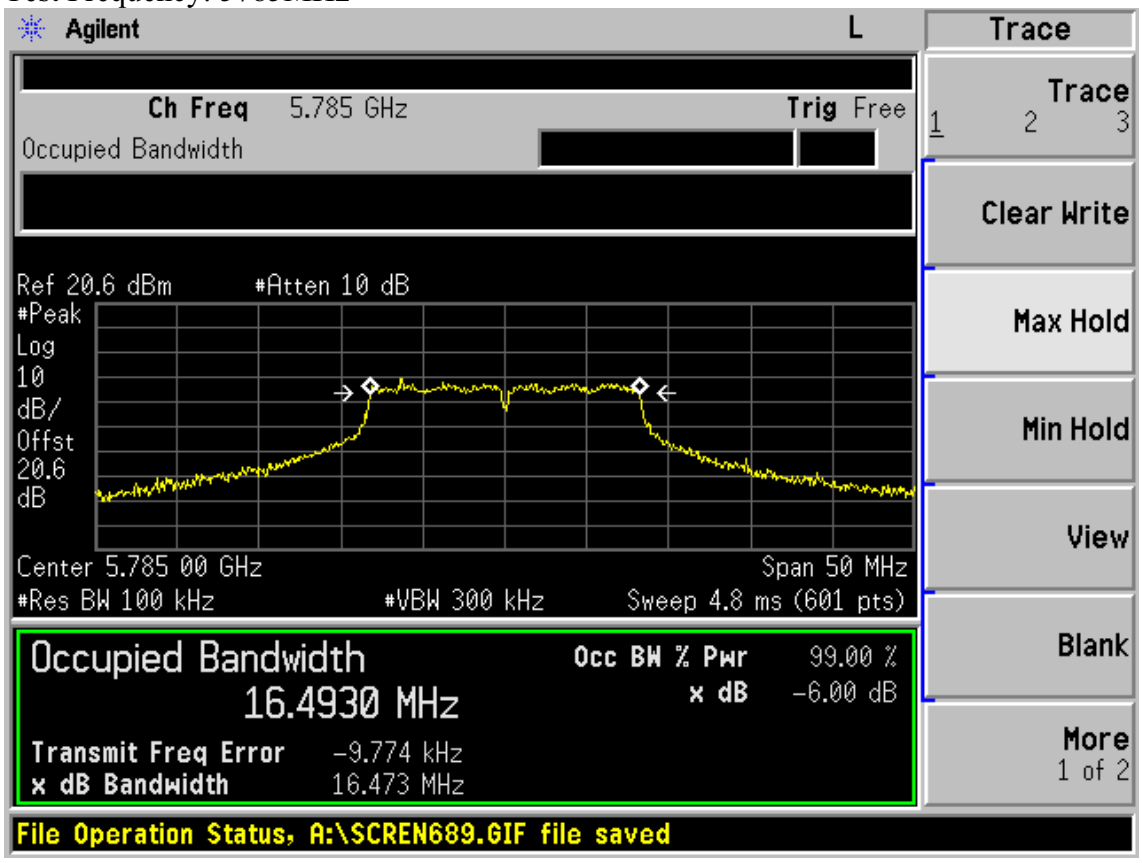
Test Frequency: 2452MHz



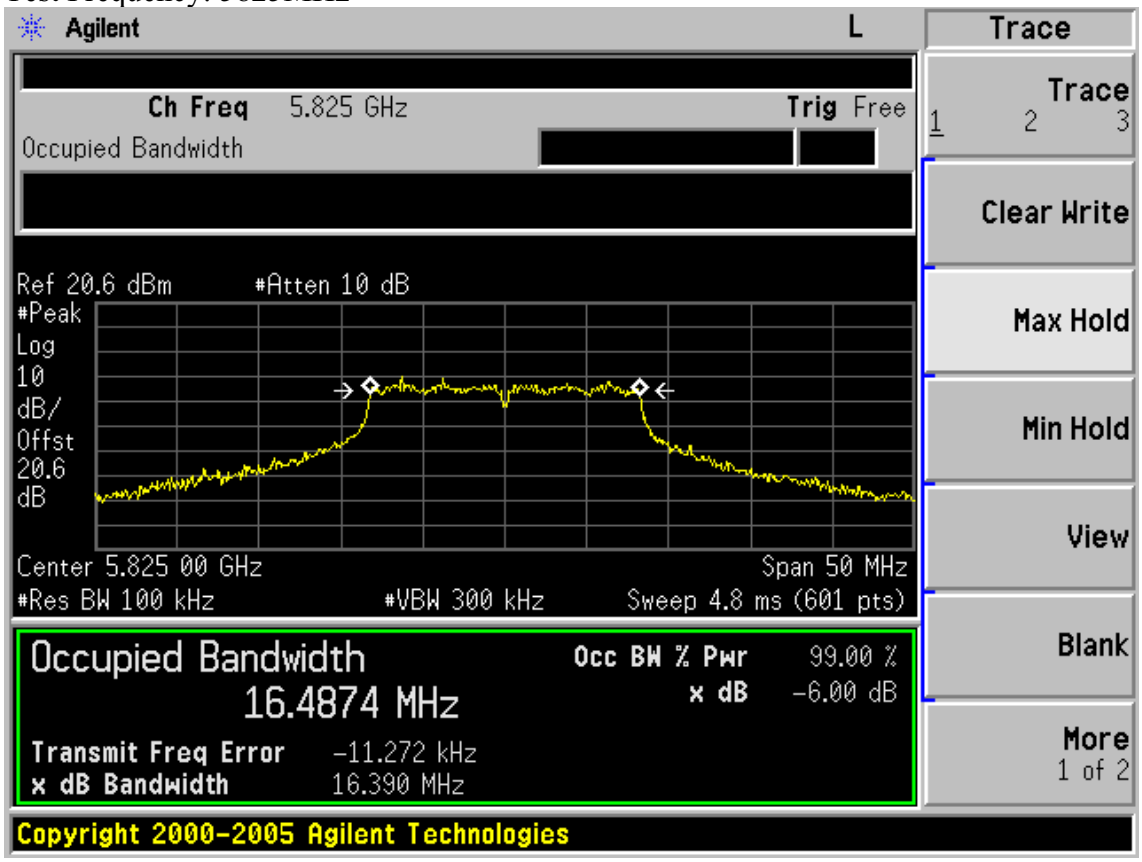
(5G) Chain 1:
Test Mode: IEEE 802.11a TX
Test Frequency: 5745MHz



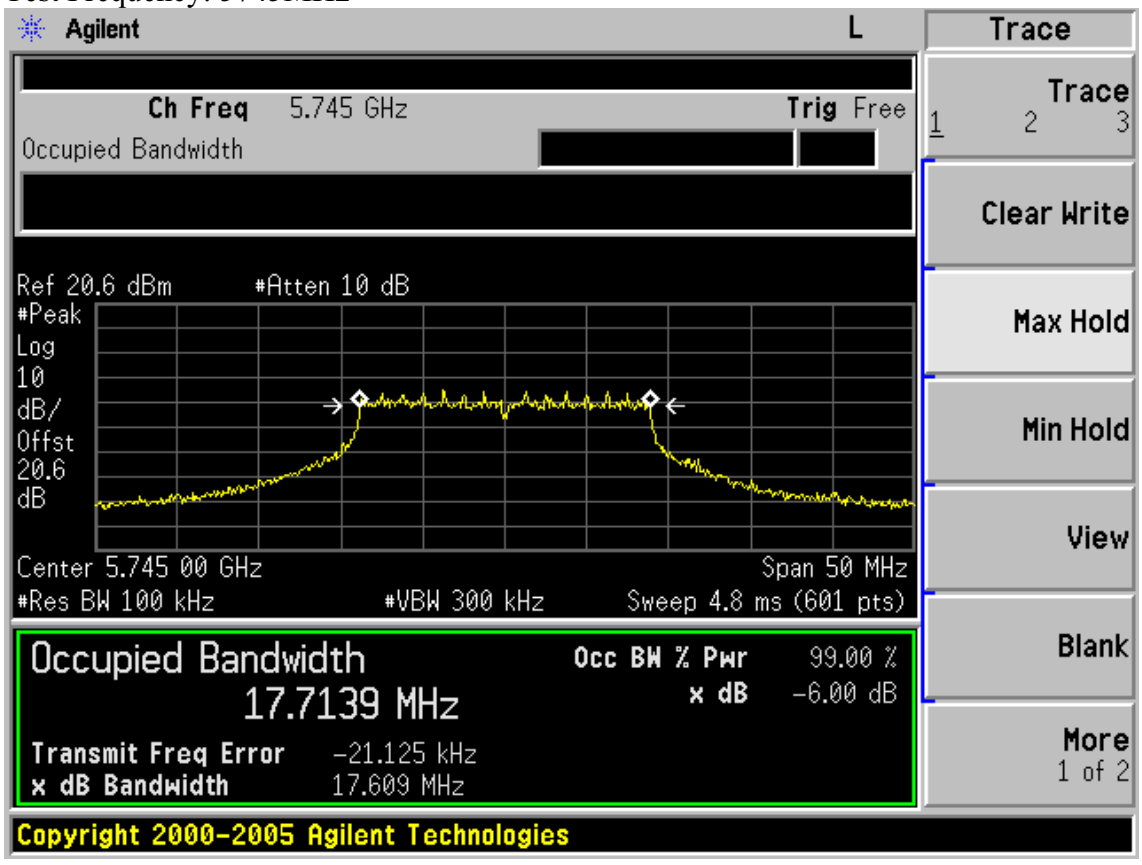
Test Frequency: 5785MHz



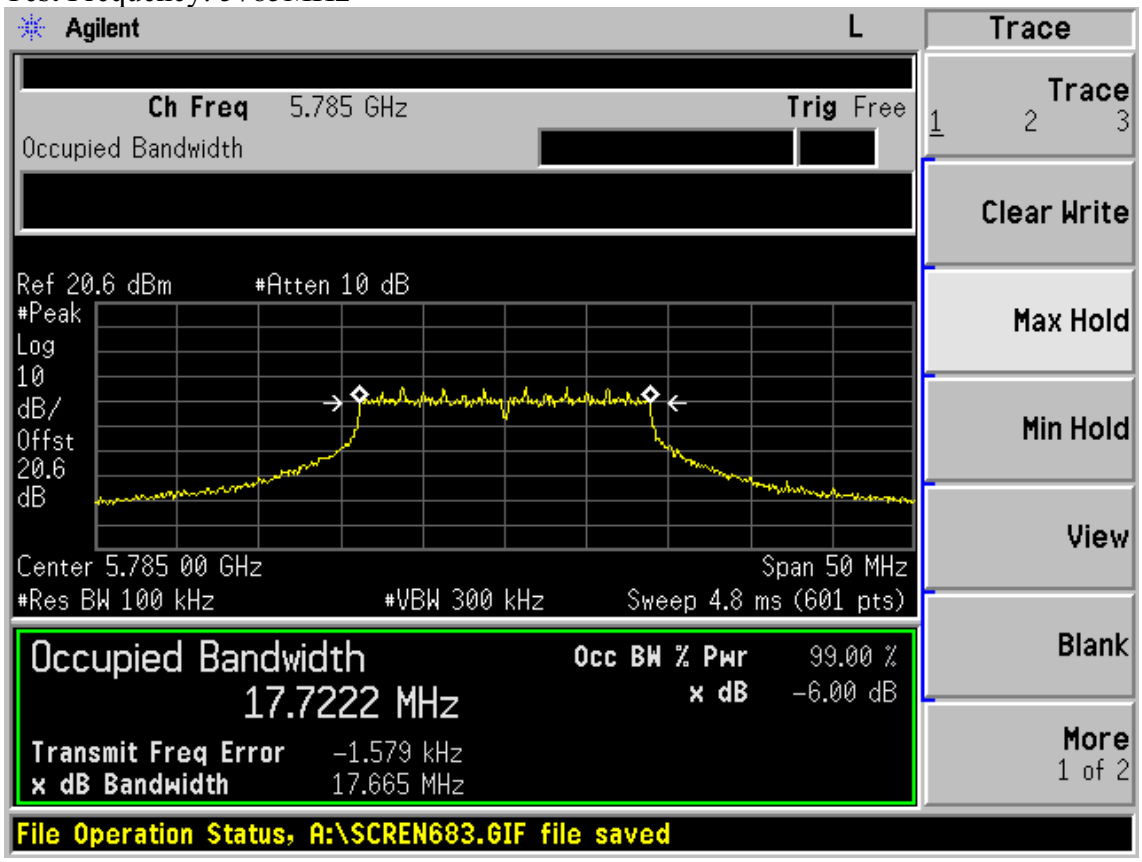
Test Frequency: 5825MHz



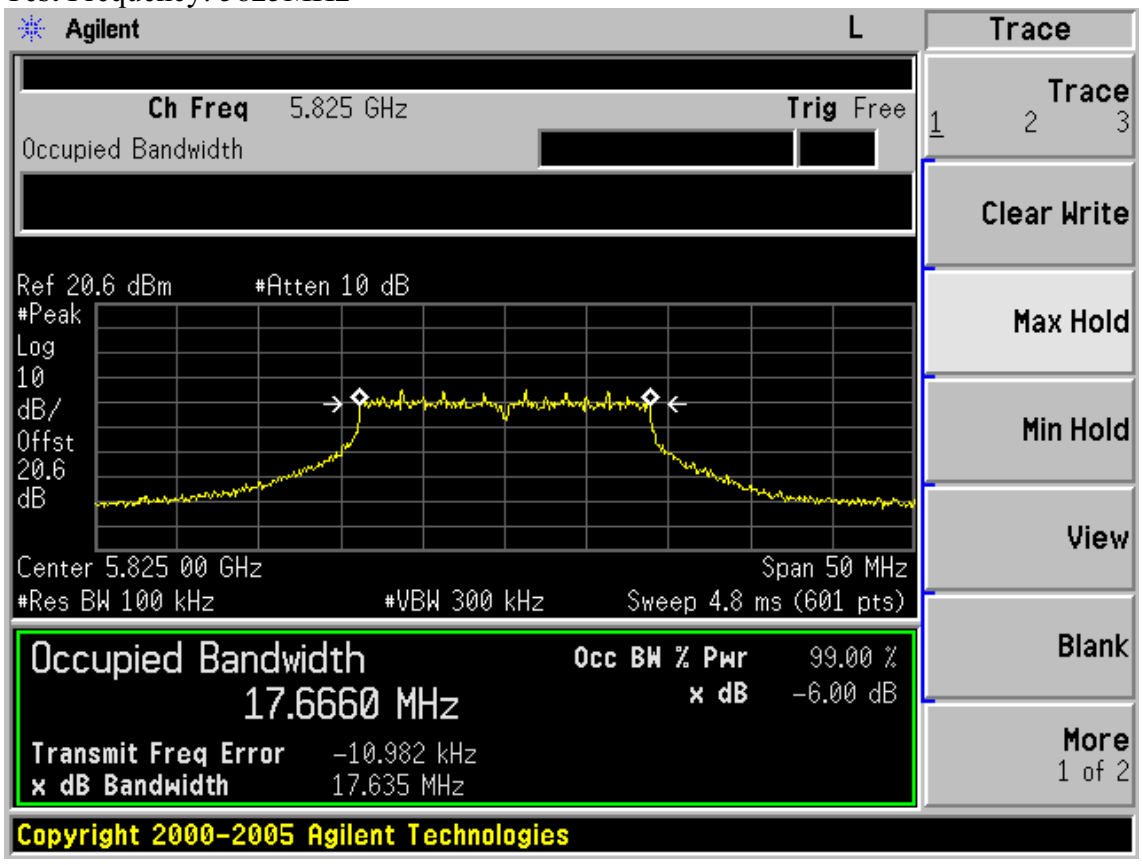
Test Mode: IEEE 802.11n HT20 TX
Test Frequency: 5745MHz



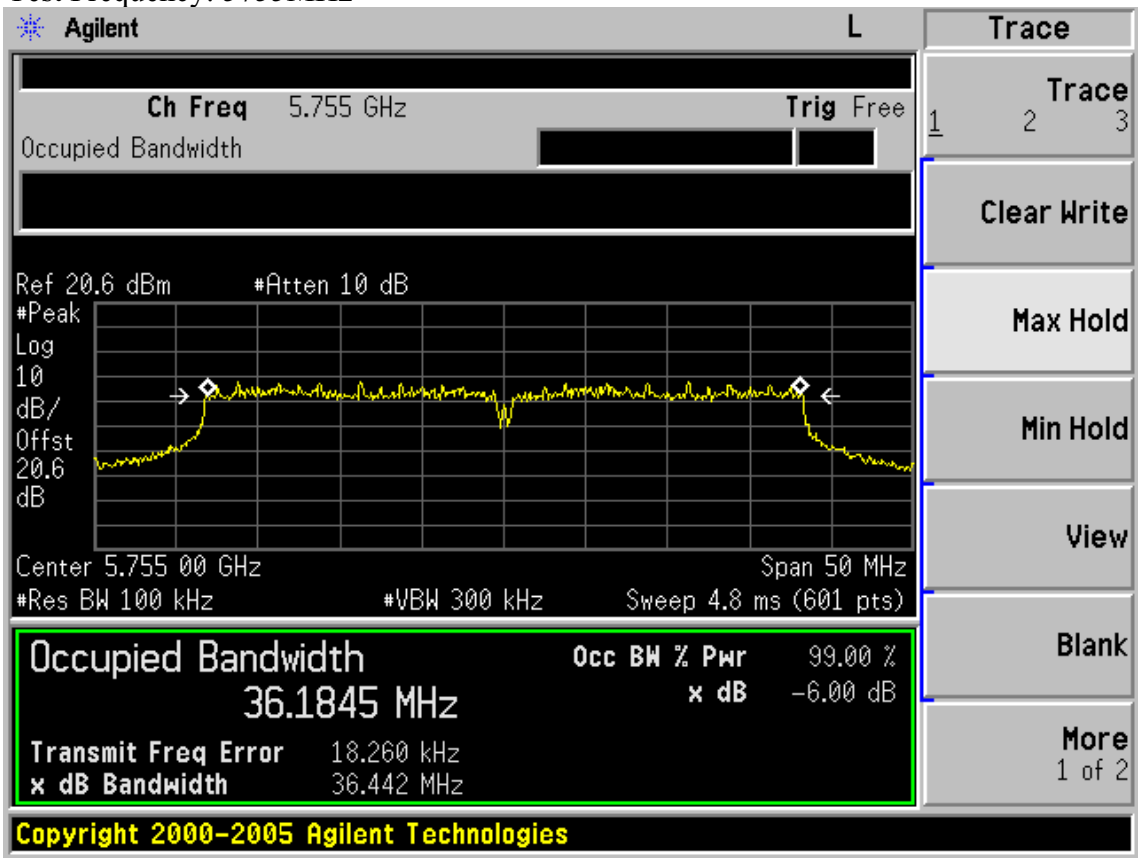
Test Frequency: 5785MHz



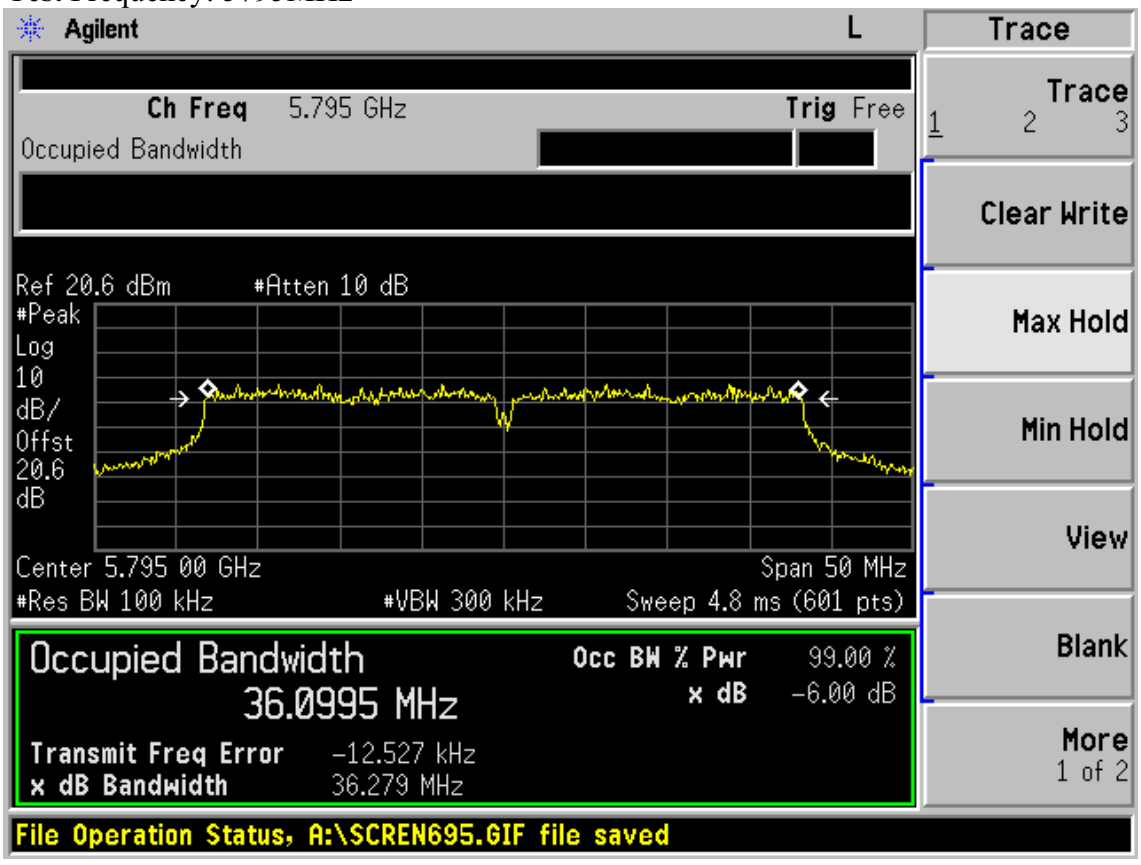
Test Frequency: 5825MHz



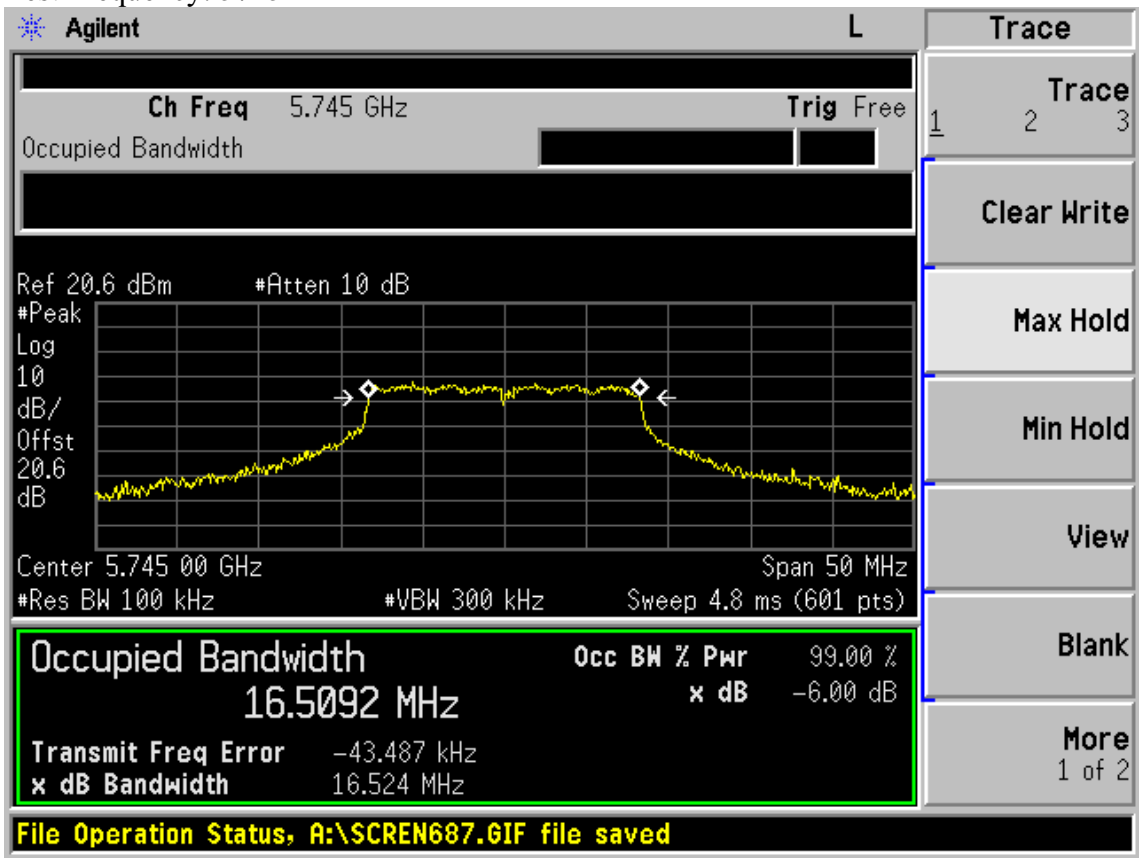
Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 5755MHz



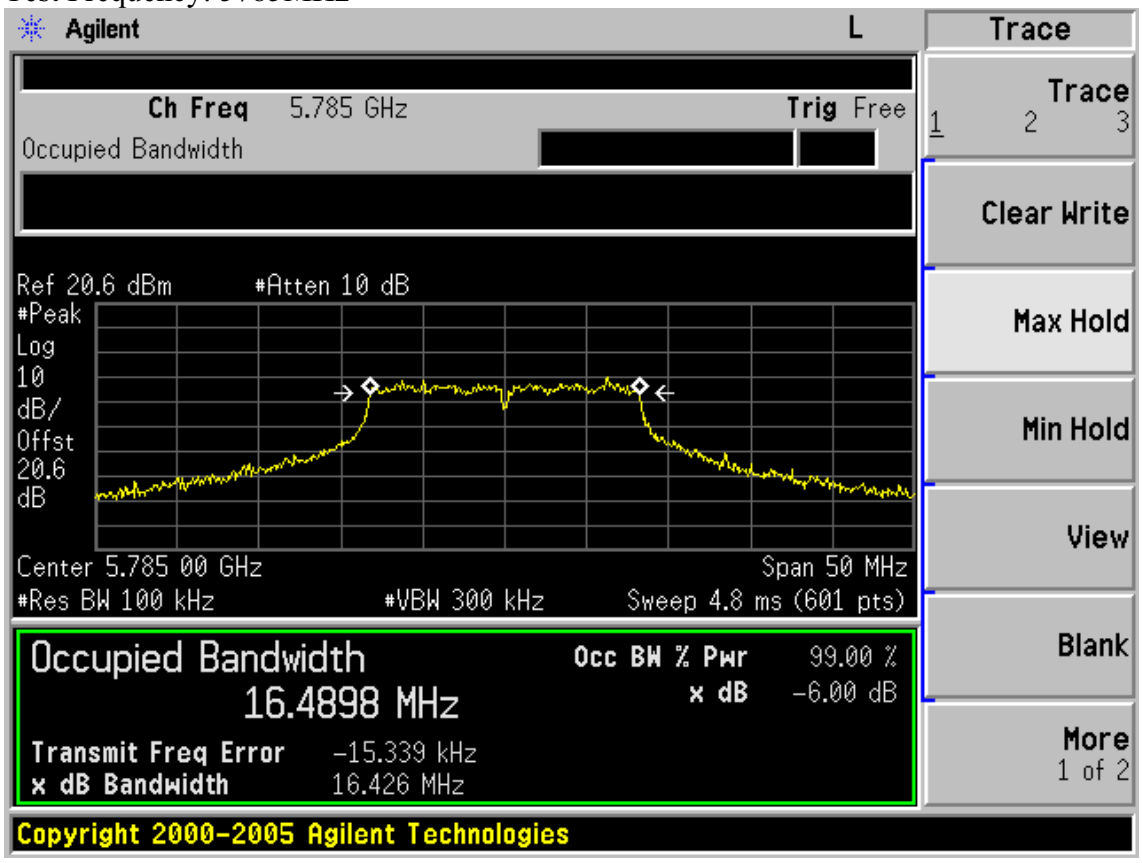
Test Frequency: 5795MHz



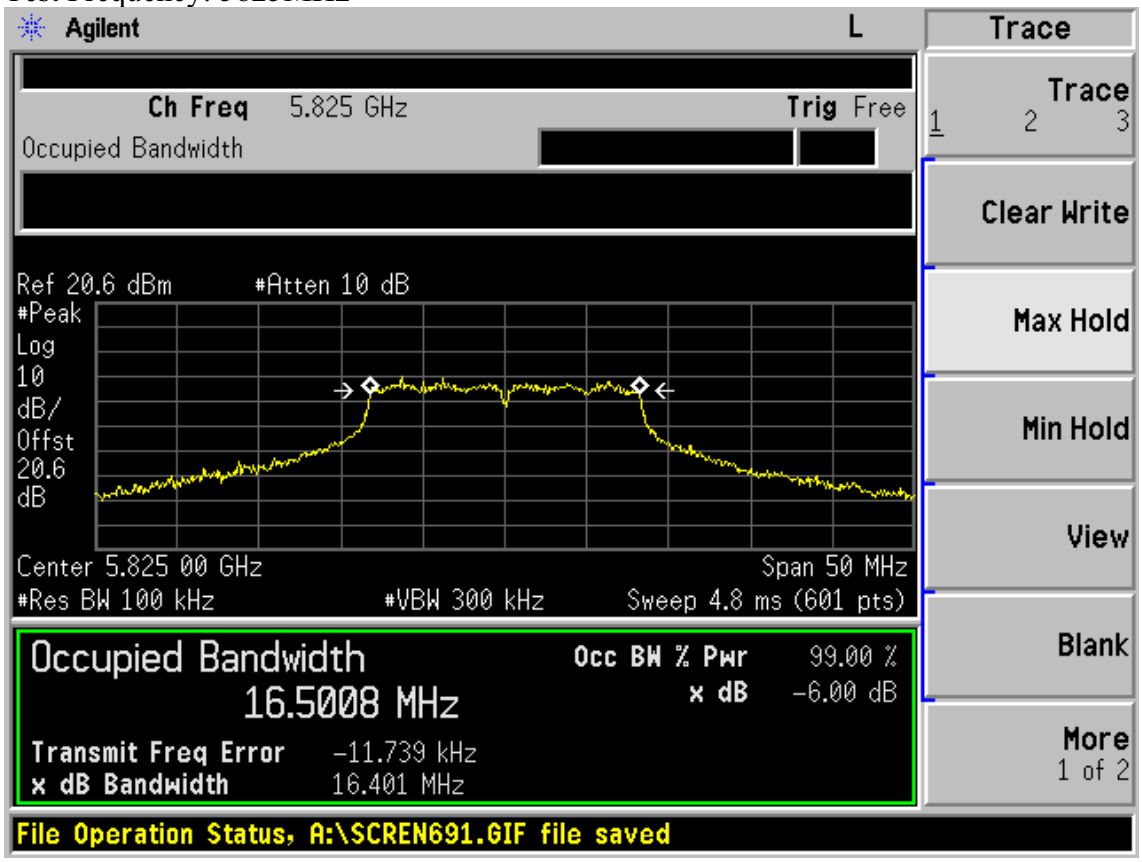
Chain 2:
Test Mode: IEEE 802.11a TX
Test Frequency: 5745MHz



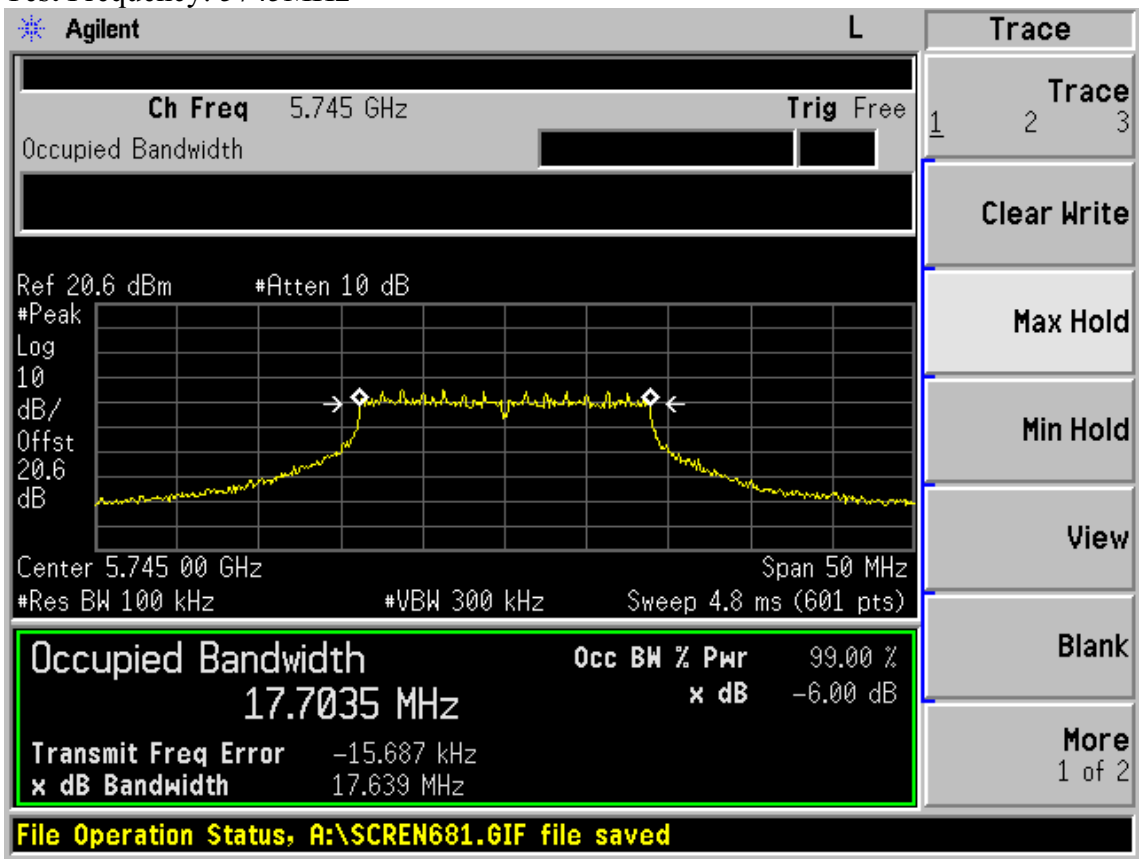
Test Frequency: 5785MHz



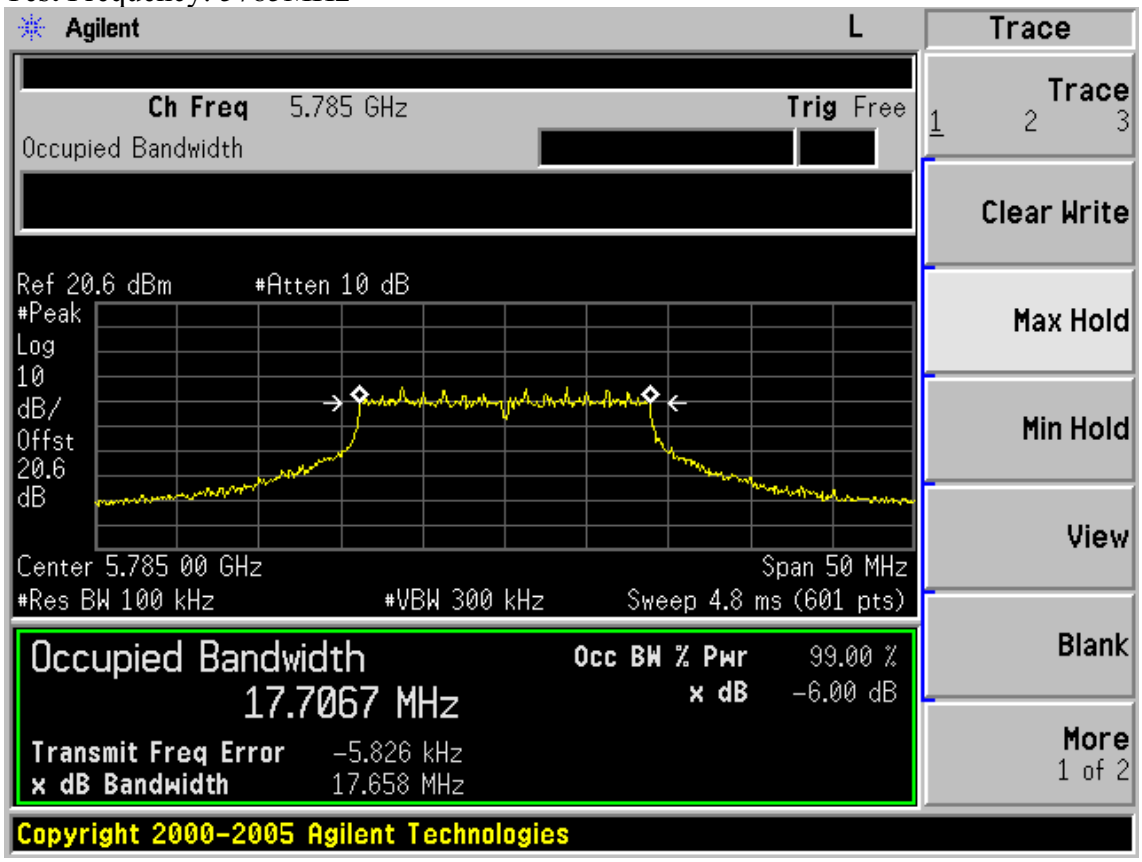
Test Frequency: 5825MHz



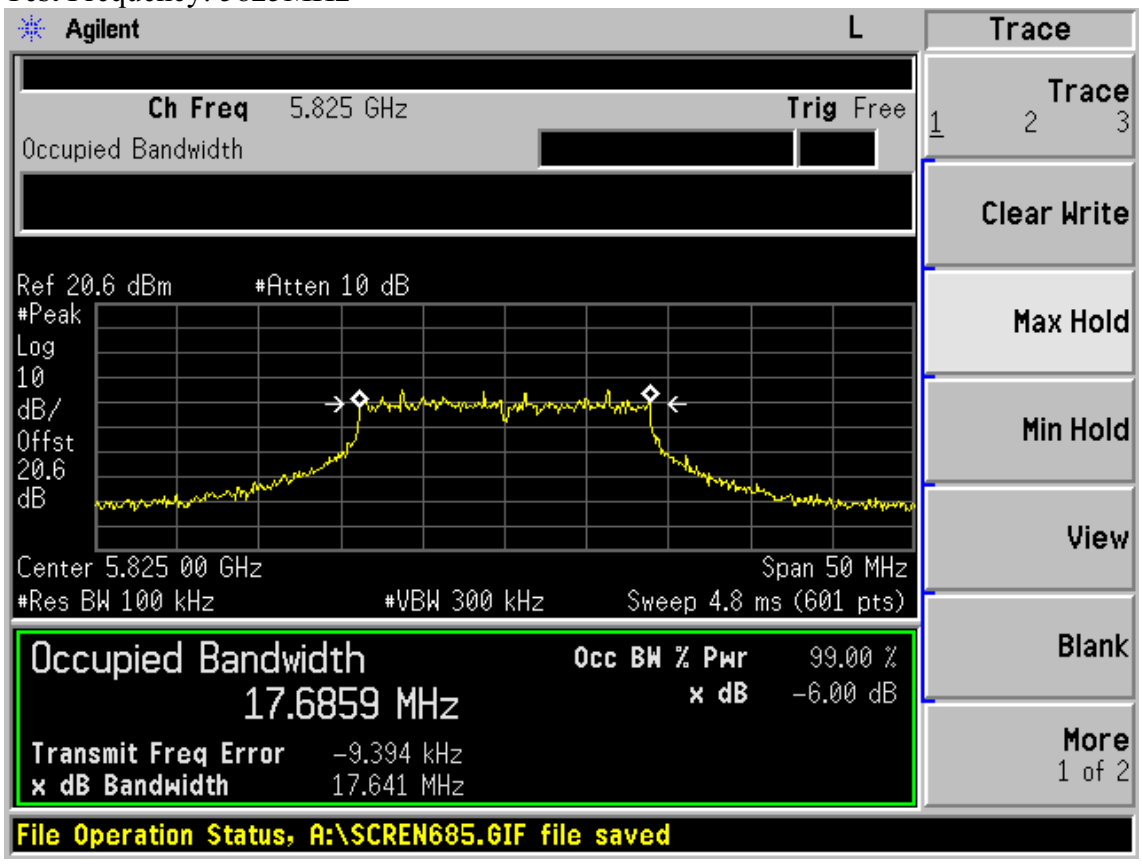
Test Mode: IEEE 802.11n HT20 TX
Test Frequency: 5745MHz



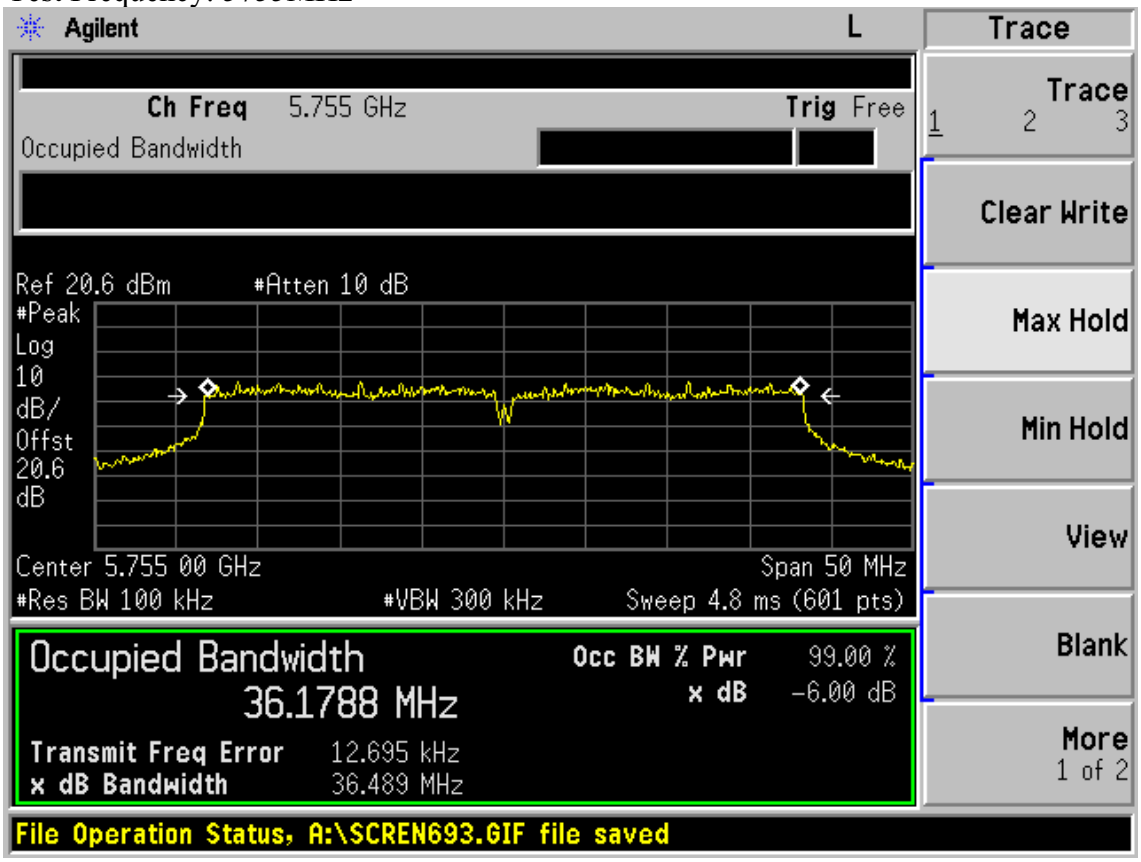
Test Frequency: 5785MHz



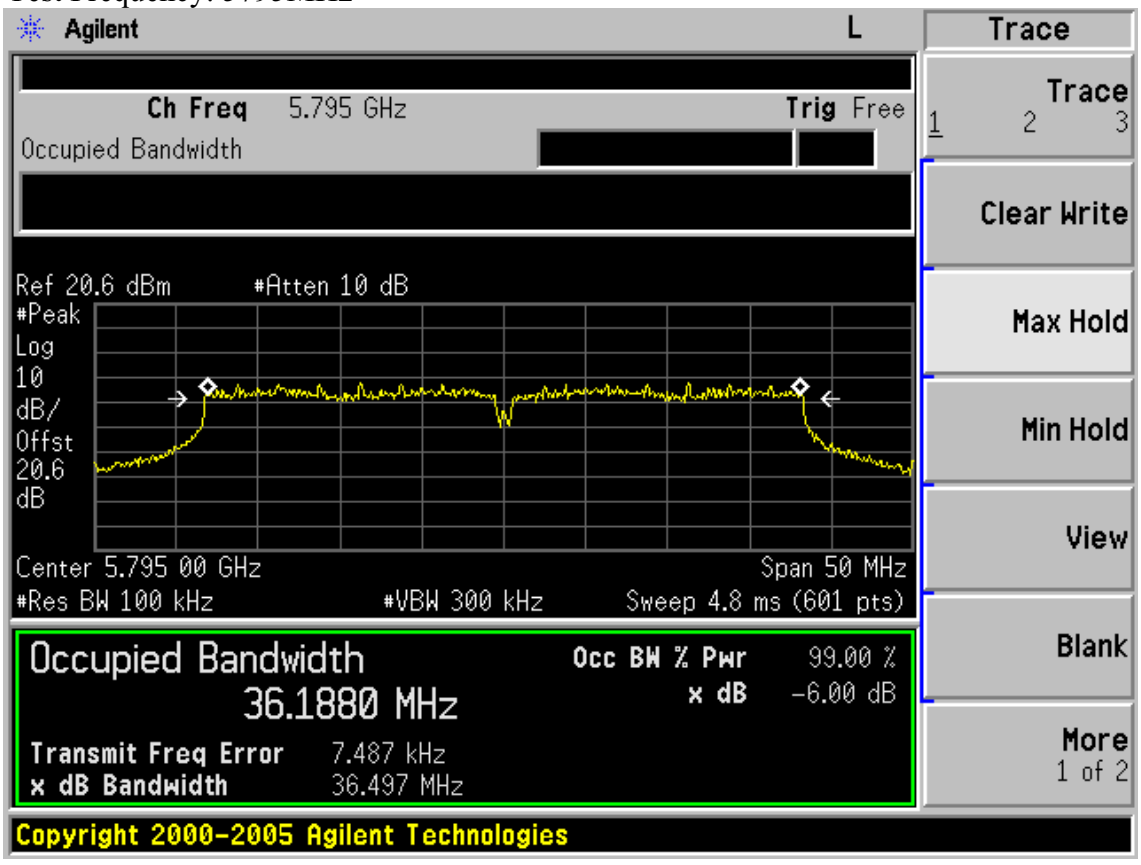
Test Frequency: 5825MHz



Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 5755MHz



Test Frequency: 5795MHz



8. OUTPUT POWER TEST

8.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Power meter	Anritsu	ML2487A	6K00002472	May.08,10	1Year
2.	Power sensor	Anritsu	MA2491A	0033005	May.08,10	1Year
3	Attenuator	Agilent	8491B	MY39262165	May.08,10	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,10	1Year
5	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08,10	1 Year

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)

If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.3.Test Procedure

1, Connected the EUT's antenna port to measure device by 20dB attenuator.

2, For IEEE 802.11b/g and IEEE802.11n HT20 mode, use a PK power meter which's bandwidth is above 6dB bandwidth of signal to measure out each each test modes and chain's 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 the channel power measure function of Spectrum Analyzer was used to measure out the PK output power of each test modes and chain's.

4, For IEEE802.11n mode, it's MIMO technology, so account total PK output power by add each chain's PK output power.

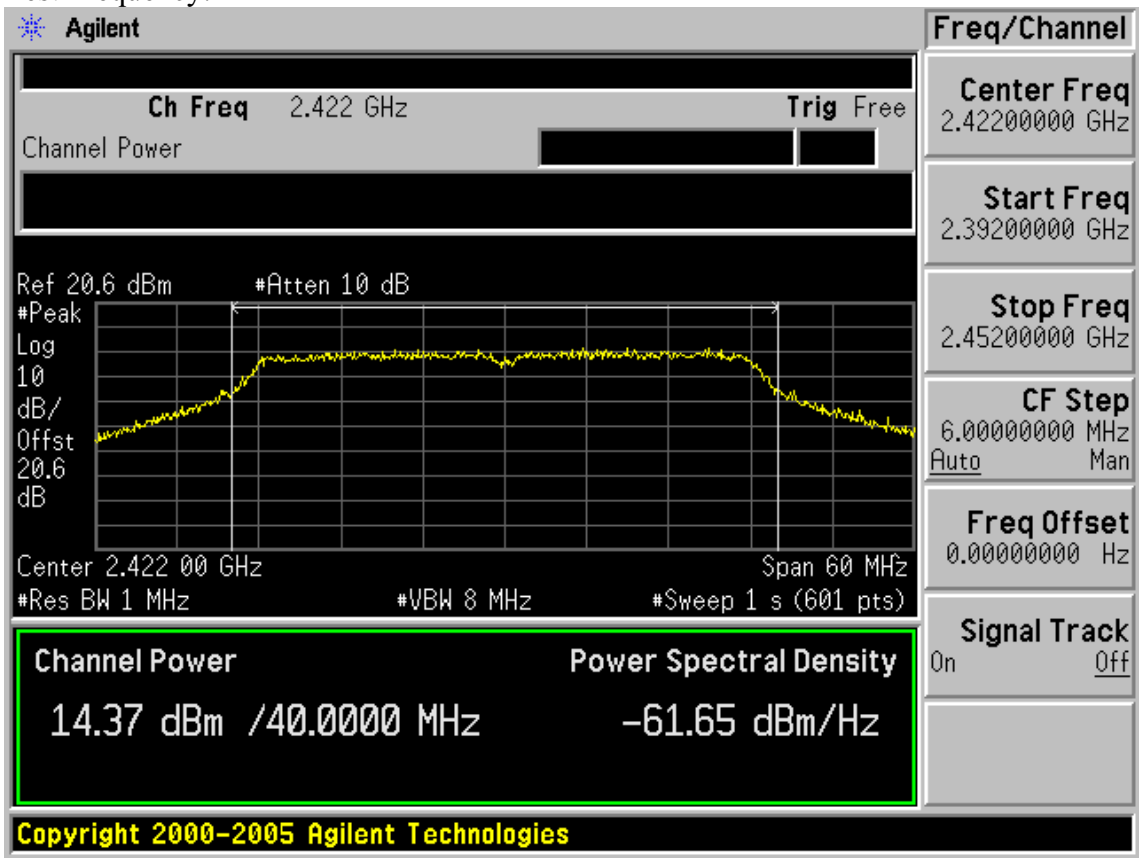
Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

8.4.Test Results

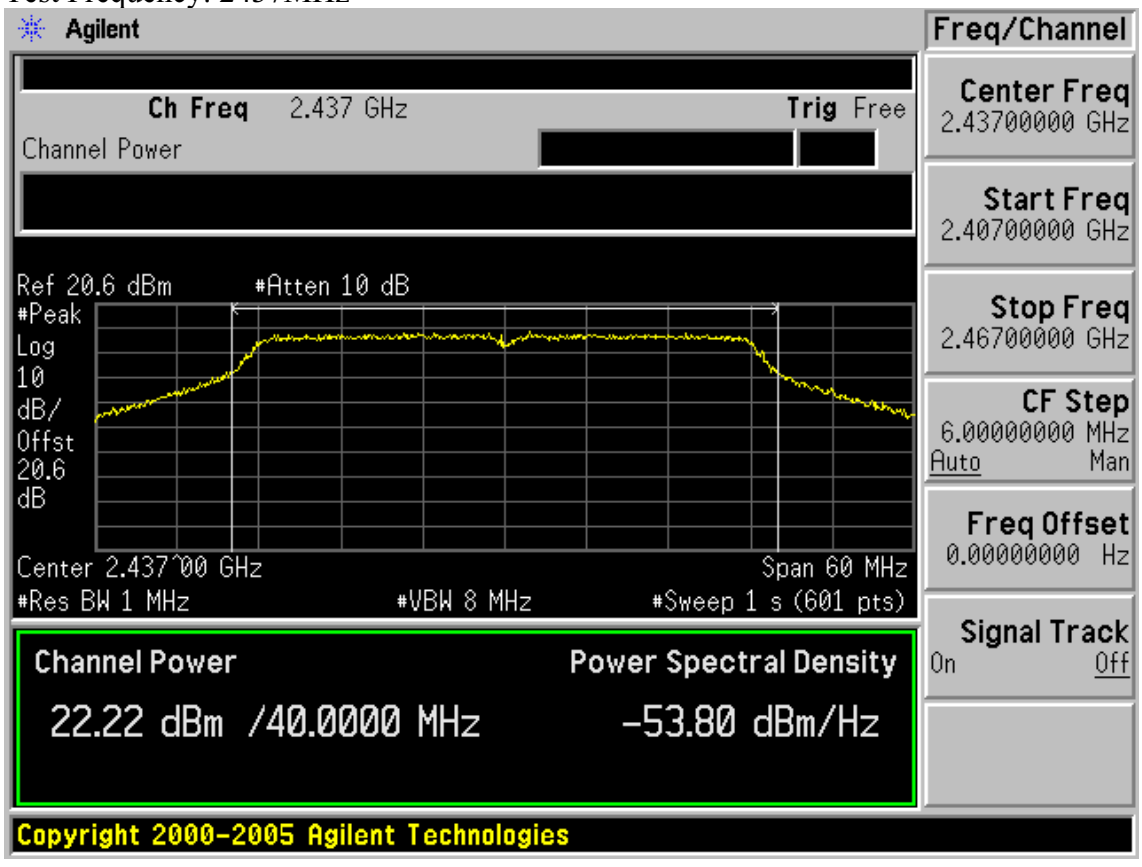
EUT: A2 WiFi Access Point/Bridge		
M/N: AP5822		
Test date: 2010-06-20	Pressure: 100.6 kpa	Humidity:58%
Tested by: Sunny-lu	Test site: RF site	Temperature：25℃

Cable loss: 0.6 dB		Attenuator loss: 20dB		Antenna Gain: 2.4GHz :5dBi 5GHz :16dBi	
Mode	CH	Result			Limit (dBm)
		Chain 0 PK Output power(dBm)	Chain 1 PK Output power(dBm)	Total PK Output power(dBm)	
11b	CH1	21.96	21.16	N/A	30
	CH6	26.06	25.41	N/A	30
	CH11	22.15	22.10	N/A	30
11g	CH1	20.26	18.59	N/A	30
	CH6	25.88	25.46	N/A	30
	CH11	19.89	19.03	N/A	30
11n HT20	CH1	17.51	17.47	20.50	30
	CH6	25.73	25.26	28.51	30
	CH11	17.89	17.56	20.74	30
	CH149	14.01	13.36	16.71	20
	CH157	15.28	14.78	18.05	20
	CH165	15.83	14.28	18.13	20
11n HT40	CH1	14.37	14.35	17.37	30
	CH4	22.22	21.71	24.98	30
	CH7	14.19	13.60	16.92	30
	CH151	14.18	13.76	16.99	20
	CH159	14.67	14.53	17.61	20
11a	CH149	13.66	13.57	N/A	20
	CH157	15.56	15.26	N/A	20
	CH165	14.32	13.63	N/A	20
Note: For 5GHz band, the antenna Gain is 16dBi, exceeds 10dB, so the limit will be 30dBm-10dB= 20dBm.					
Conclusion: PASS					

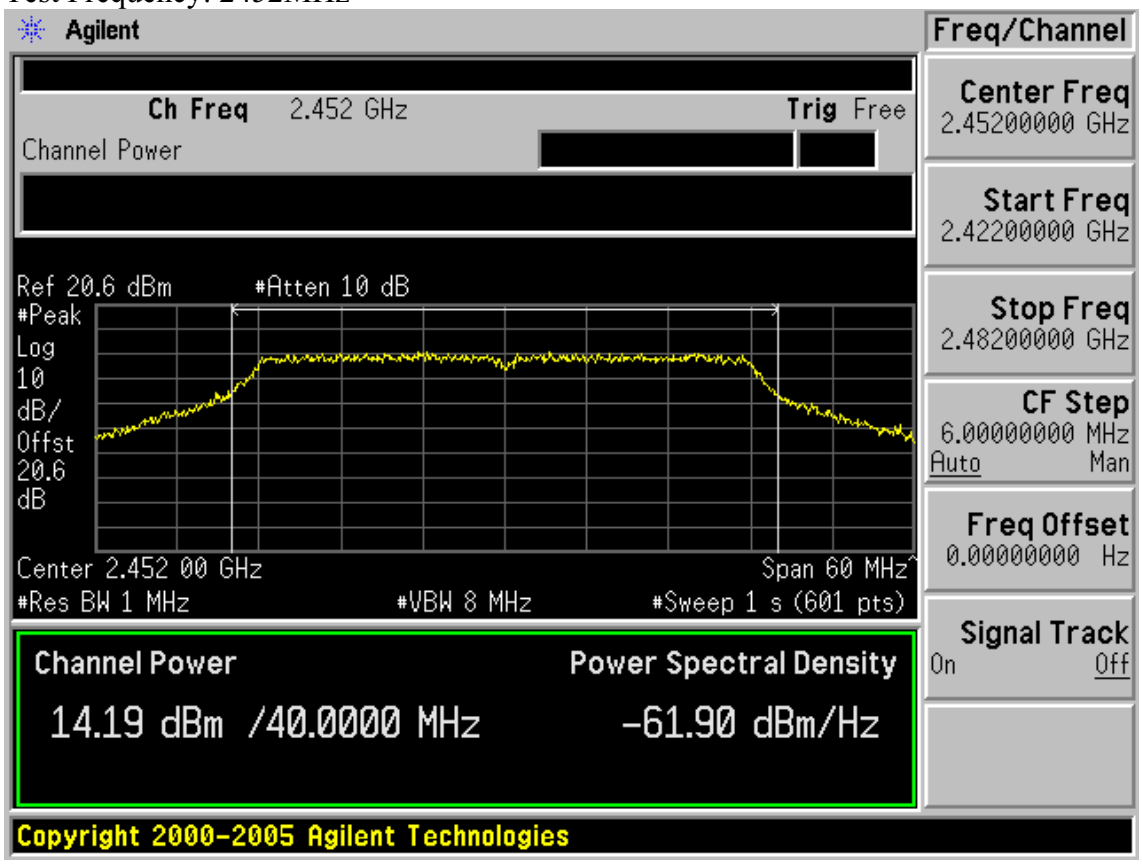
(2.4G) Chain 1:
Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 2422MHz



Test Frequency: 2437MHz



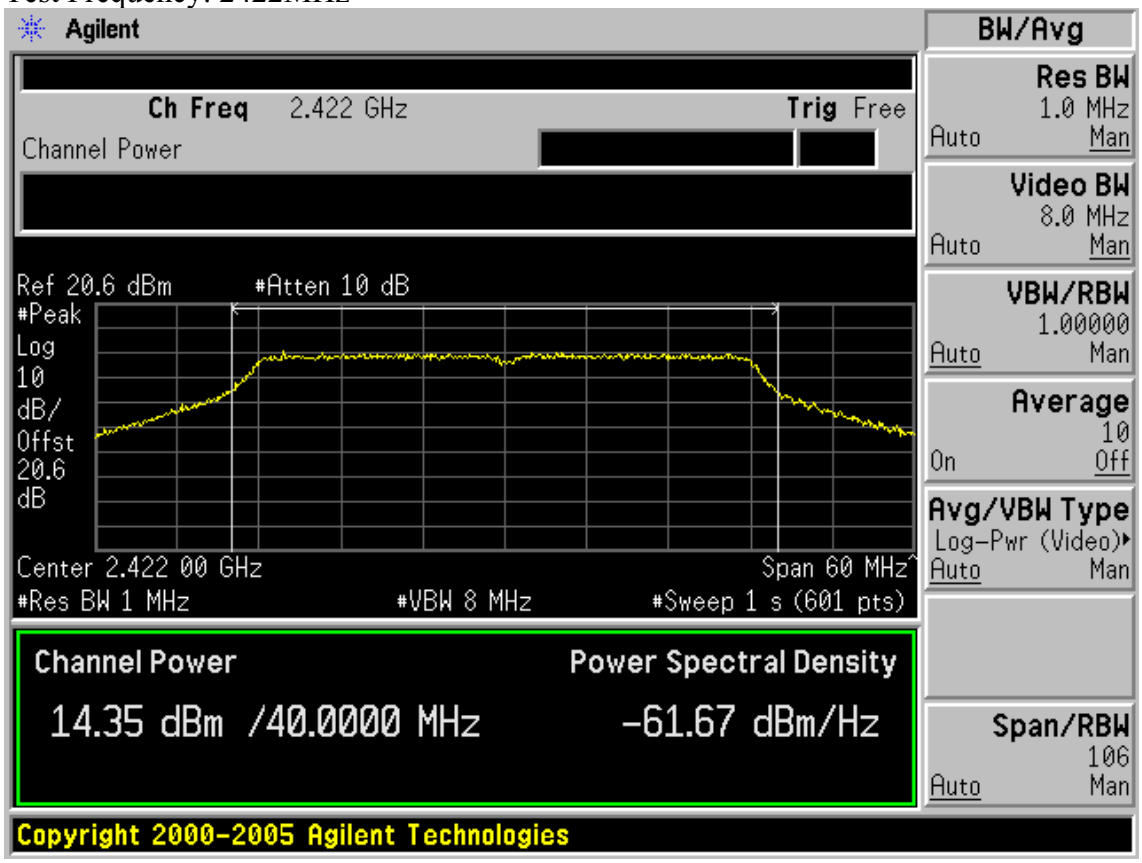
Test Frequency: 2452MHz



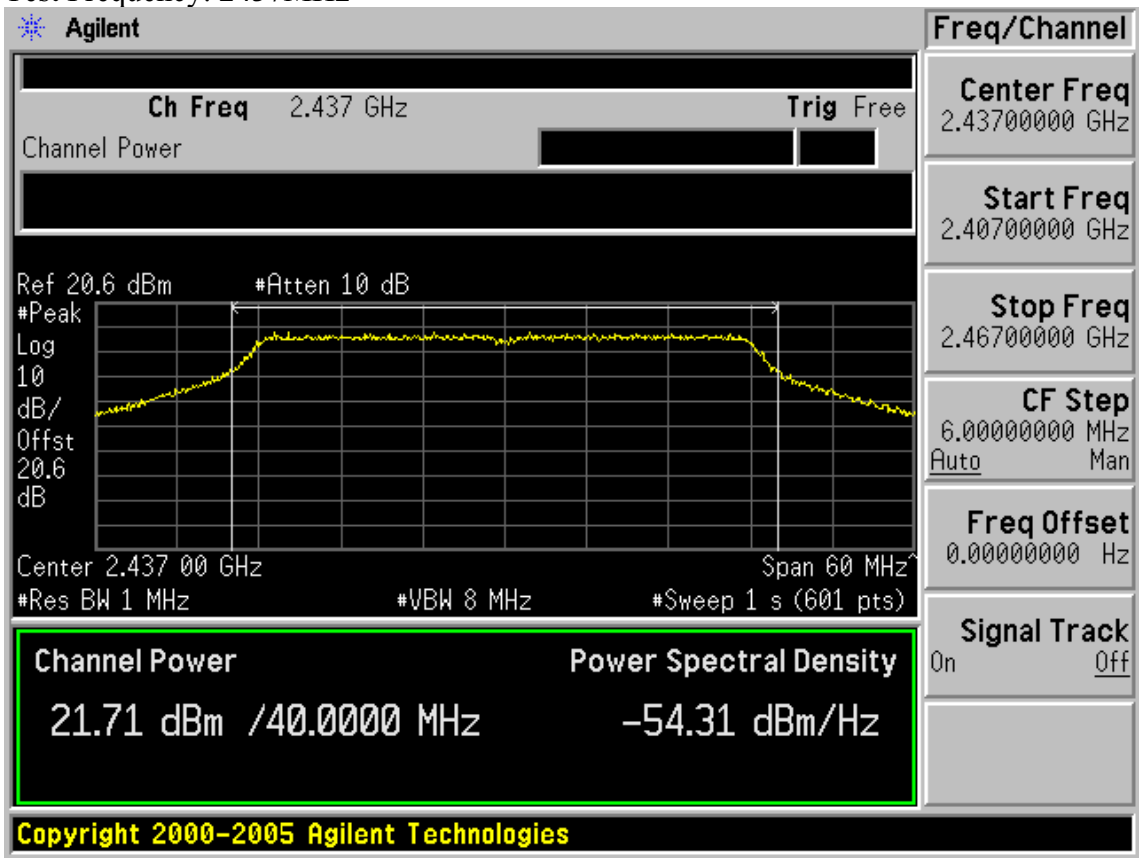
Chain 2:

Test Mode: IEEE 802.11n HT40 TX

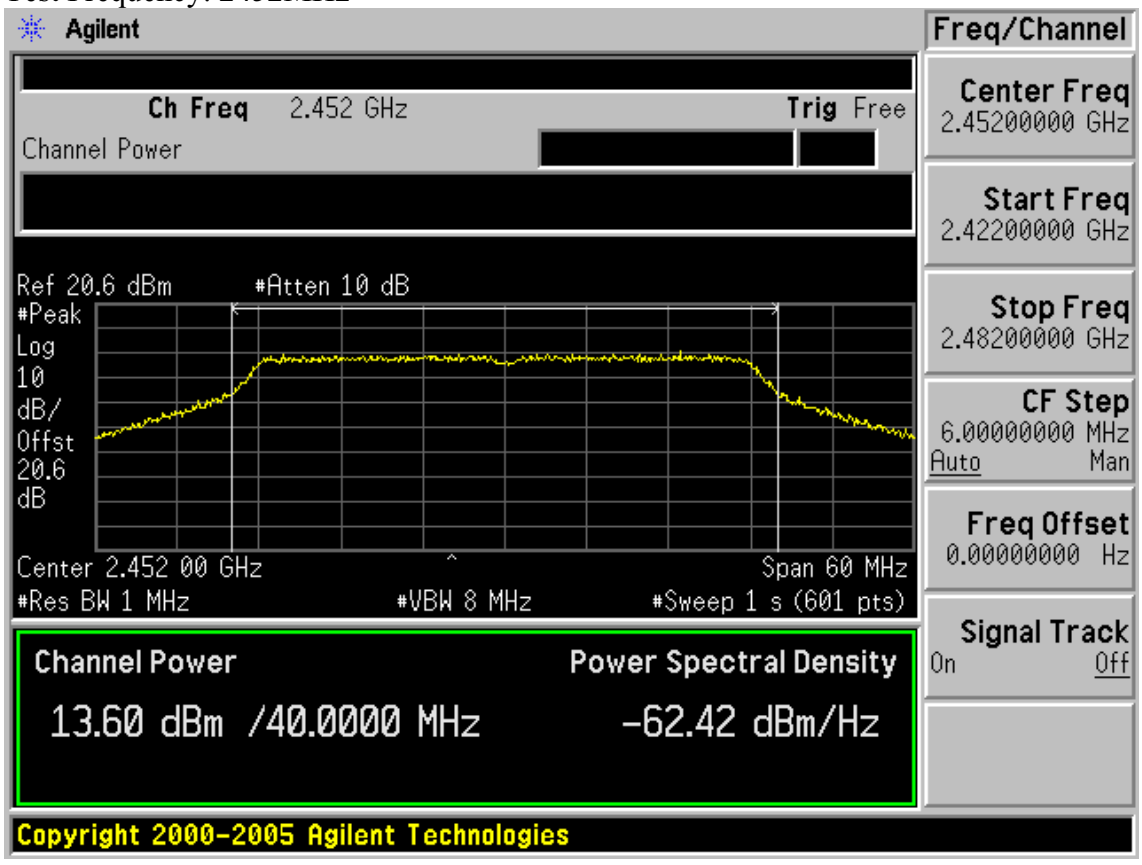
Test Frequency: 2422MHz



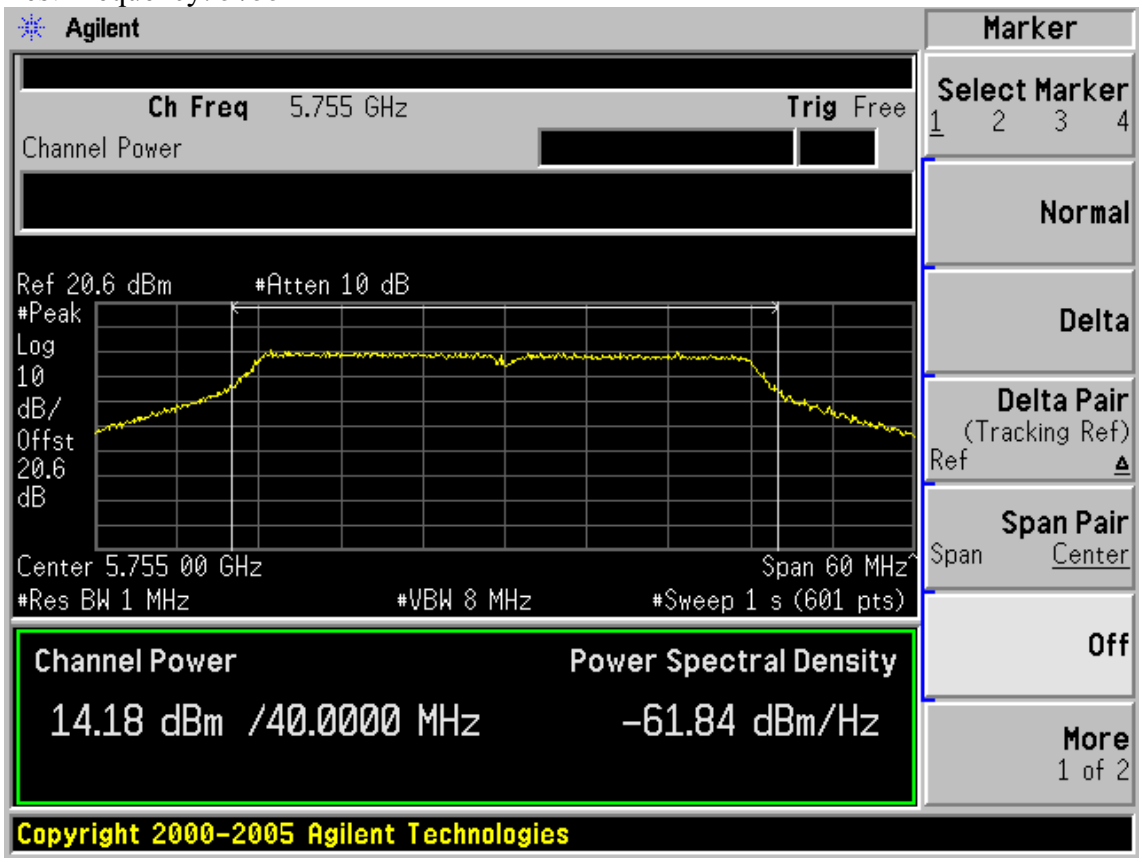
Test Frequency: 2437MHz



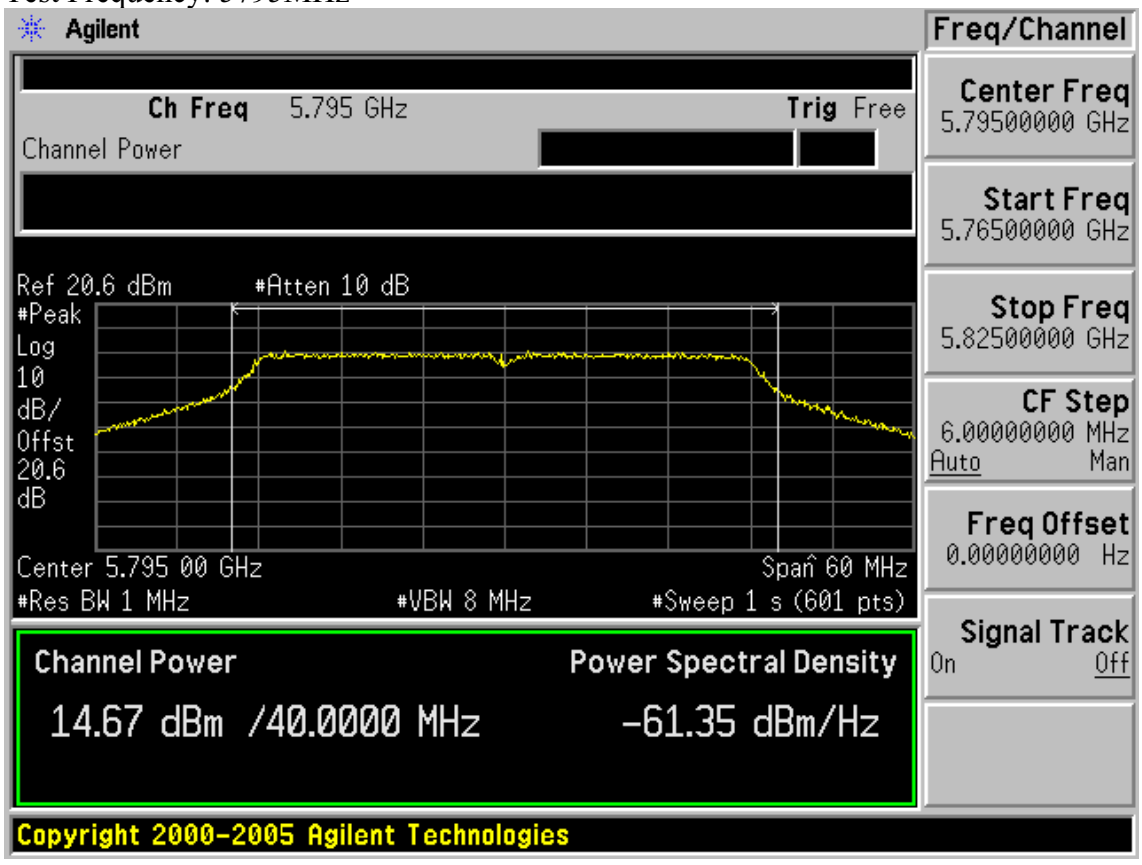
Test Frequency: 2452MHz



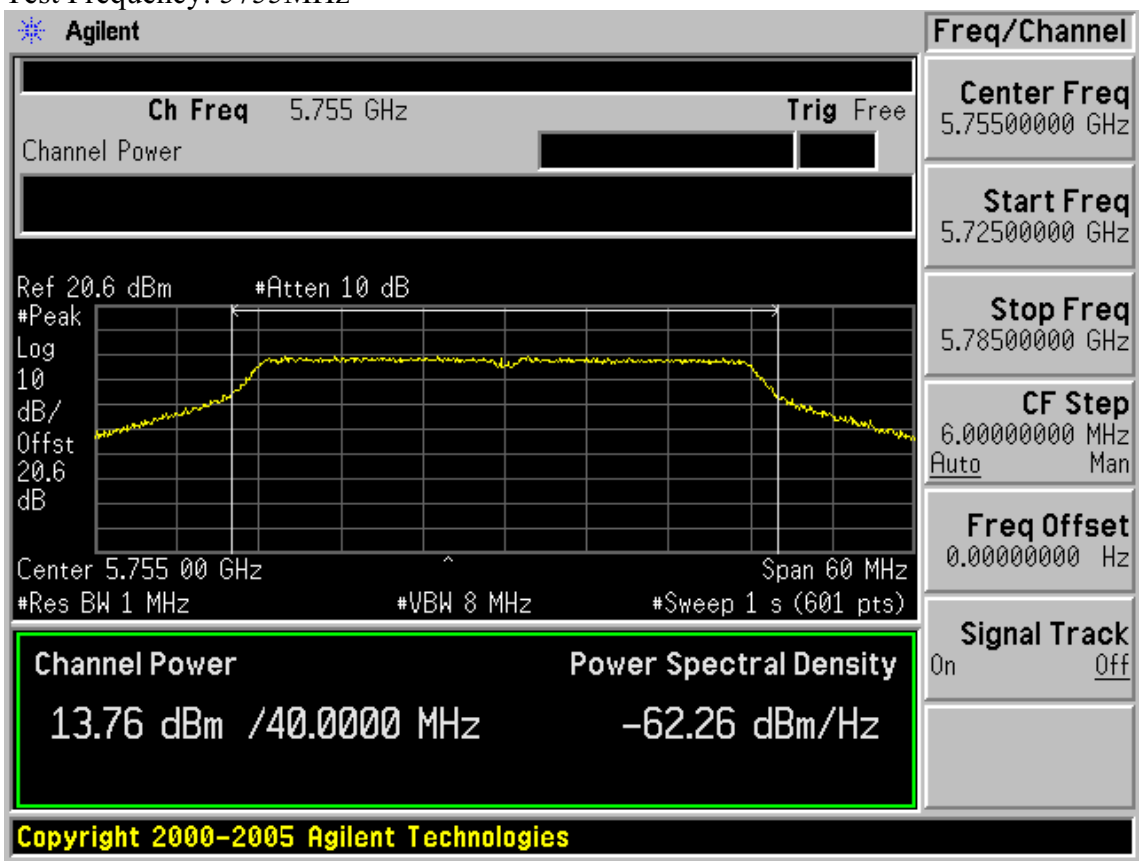
(5G) Chain 1:
Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 5755MHz



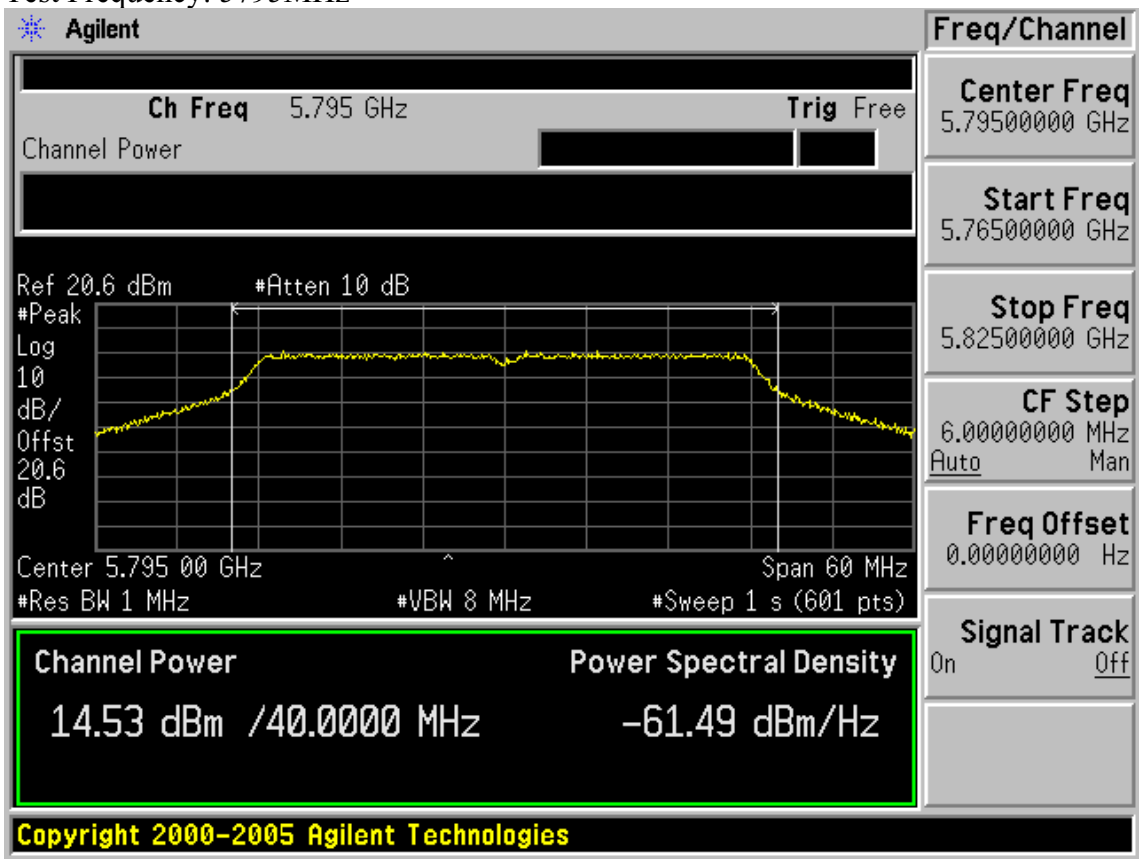
Test Frequency: 5795MHz



Chain 2:
Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 5755MHz



Test Frequency: 5795MHz



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.08,10	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	May.08,10	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28618/2	May.08,10	1Year

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，Follow the test procedure as described in ANSI C.10: 2009 Clause 6.11.2.3 to measure out each test modes and chain's power density with 3KHz.

3, For IEEE802.11n mode, it's MIMO technology, so account total power density by add each chain's power density.

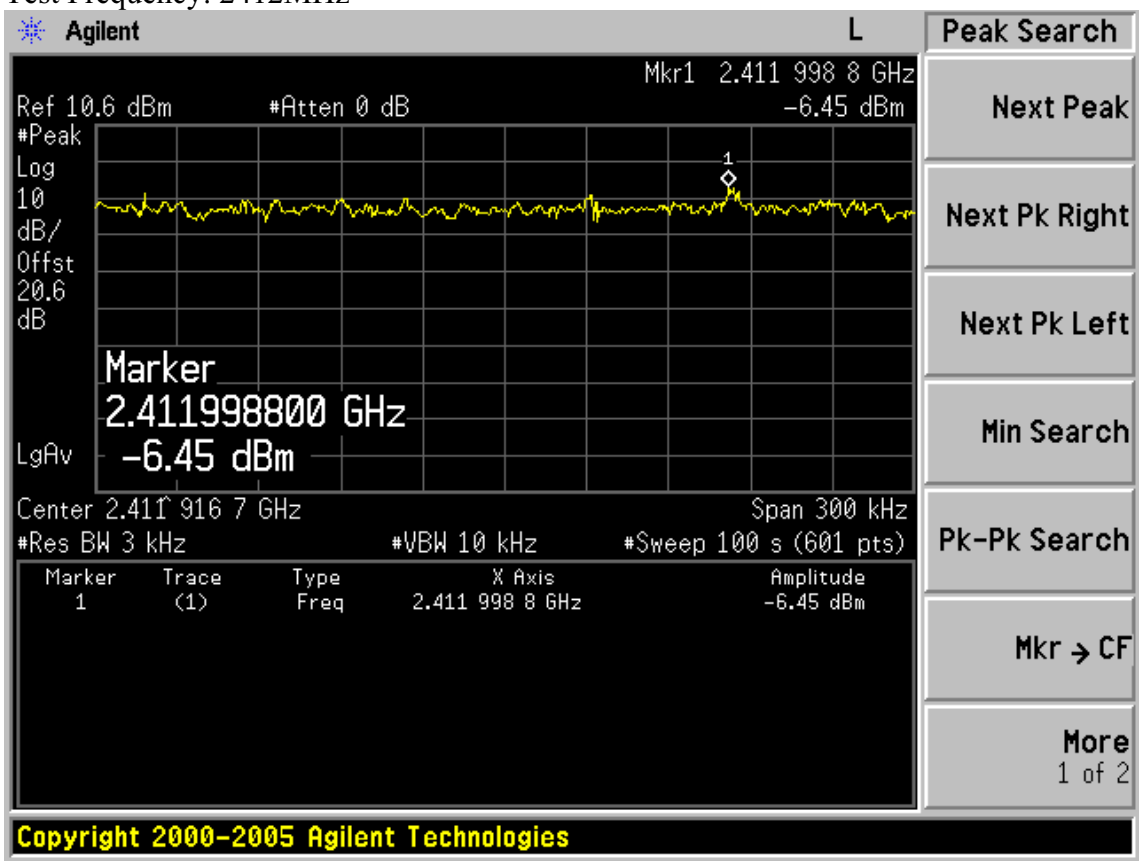
Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

9.4.Test Results

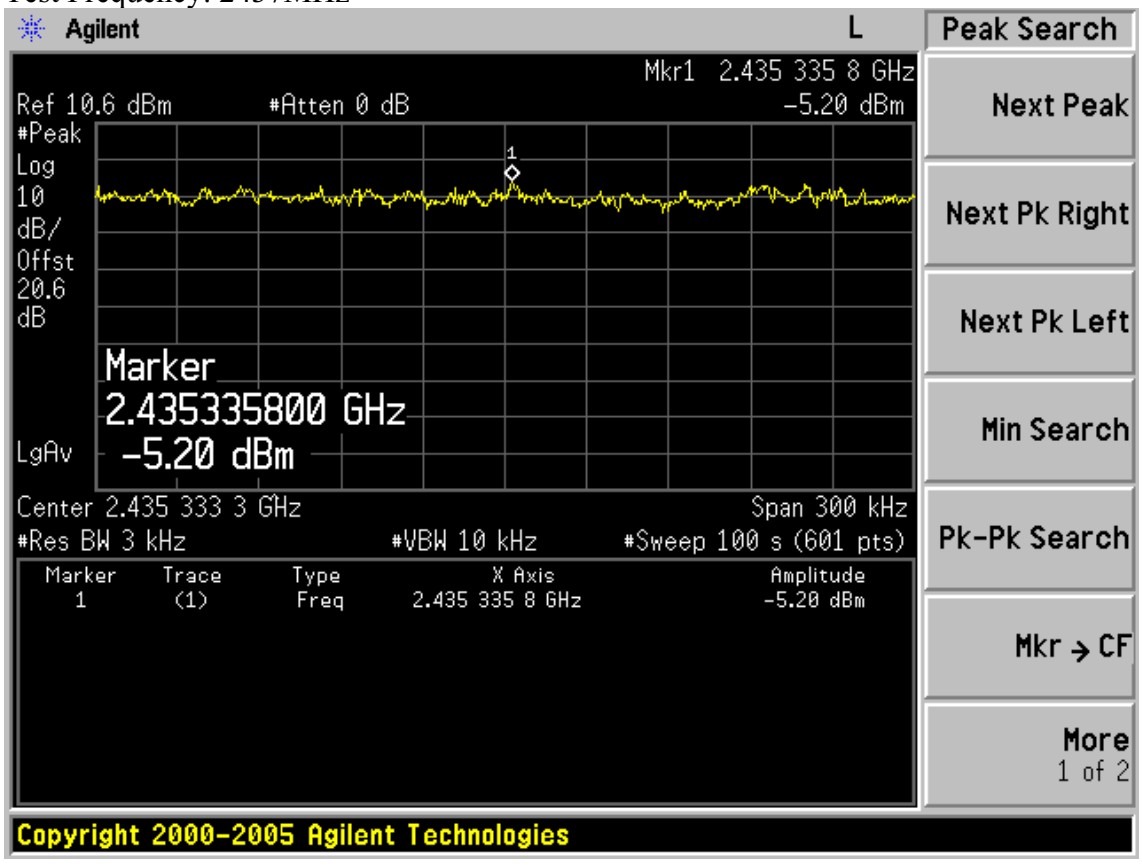
EUT: A2 WiFi Access Point/Bridge		
M/N: AP5822		
Test date: 2010-06-20	Pressure: 100.6Kpa	Humidity: 58%
Tested by: Sunny-lu	Test site: RF site	Temperature：25℃

Cable loss:0.6dB		Attenuator loss: 20dB		Antenna Gain: 2.4GHz :5.0dBi 5GHz : 16dBi	
Mode	CH	Result			Limit
		Chain0 Power density (dBm/3KHz)	Chain1 Power density (dBm/3KHz)	Total Power density (dBm/3KHz)	(dBm/3KHz)
11b	CH1	-6.45	-5.86	N/A	8
	CH6	-5.20	-5.14	N/A	8
	CH11	-7.42	-7.25	N/A	8
11g	CH1	-7.64	-7.37	N/A	8
	CH6	-2.52	-2.46	N/A	8
	CH11	-8.96	-7.38	N/A	8
11n HT20	CH1	-7.33	-7.46	-4.38	8
	CH6	-3.18	-2.98	-0.07	8
	CH11	-9.31	-8.99	-6.14	8
	CH149	-26.53	-25.86	-23.17	8
	CH157	-24.98	-24.50	-21.72	8
	CH165	-25.85	-25.59	-22.71	8
11n HT40	CH1	-13.27	-13.42	-10.33	8
	CH4	-7.93	-7.92	-4.91	8
	CH7	-14.68	-12.04	-10.15	8
	CH151	-27.50	-25.05	-23.09	8
	CH159	-26.86	-26.92	-23.88	8
11a	CH149	-24.02	-24.07	N/A	8
	CH157	-23.05	-22.97	N/A	8
	CH165	-23.46	-22.78	N/A	8
Conclusion: PASS					

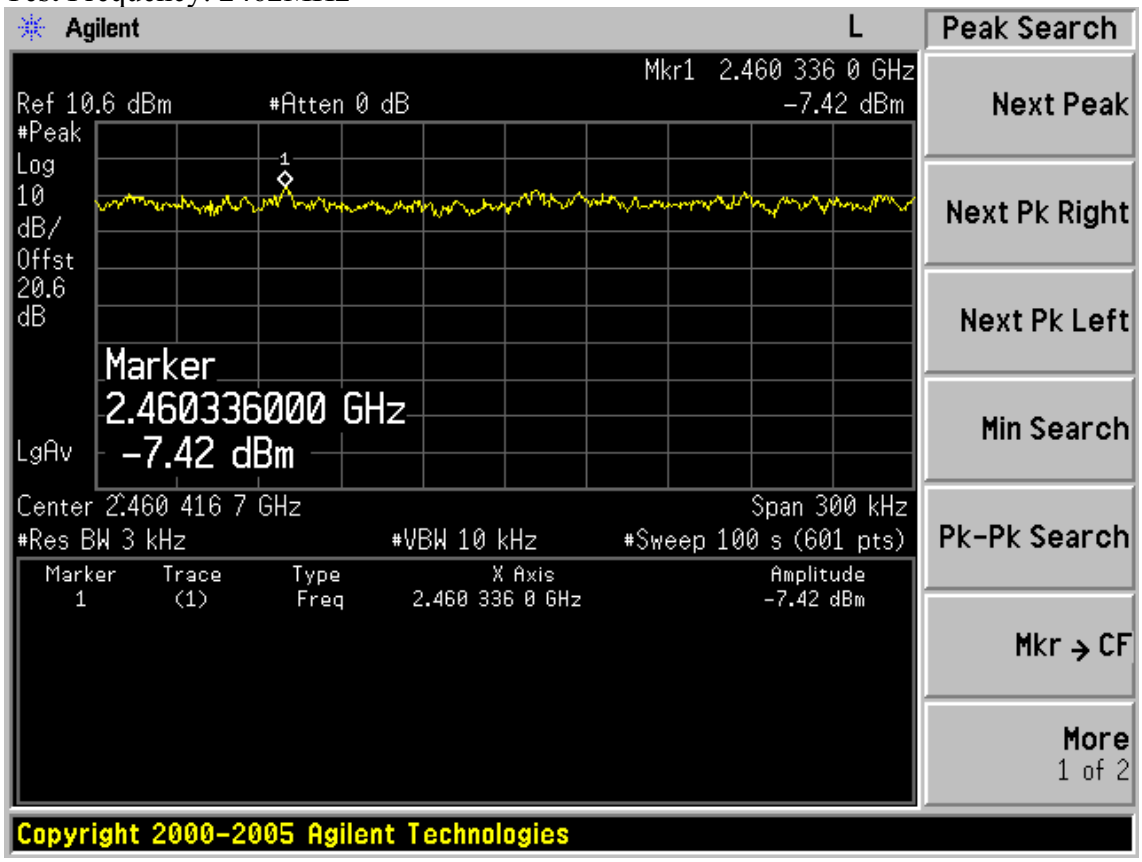
(2.4G) Chain 1:
Test Mode: IEEE 802.11b TX
Test Frequency: 2412MHz



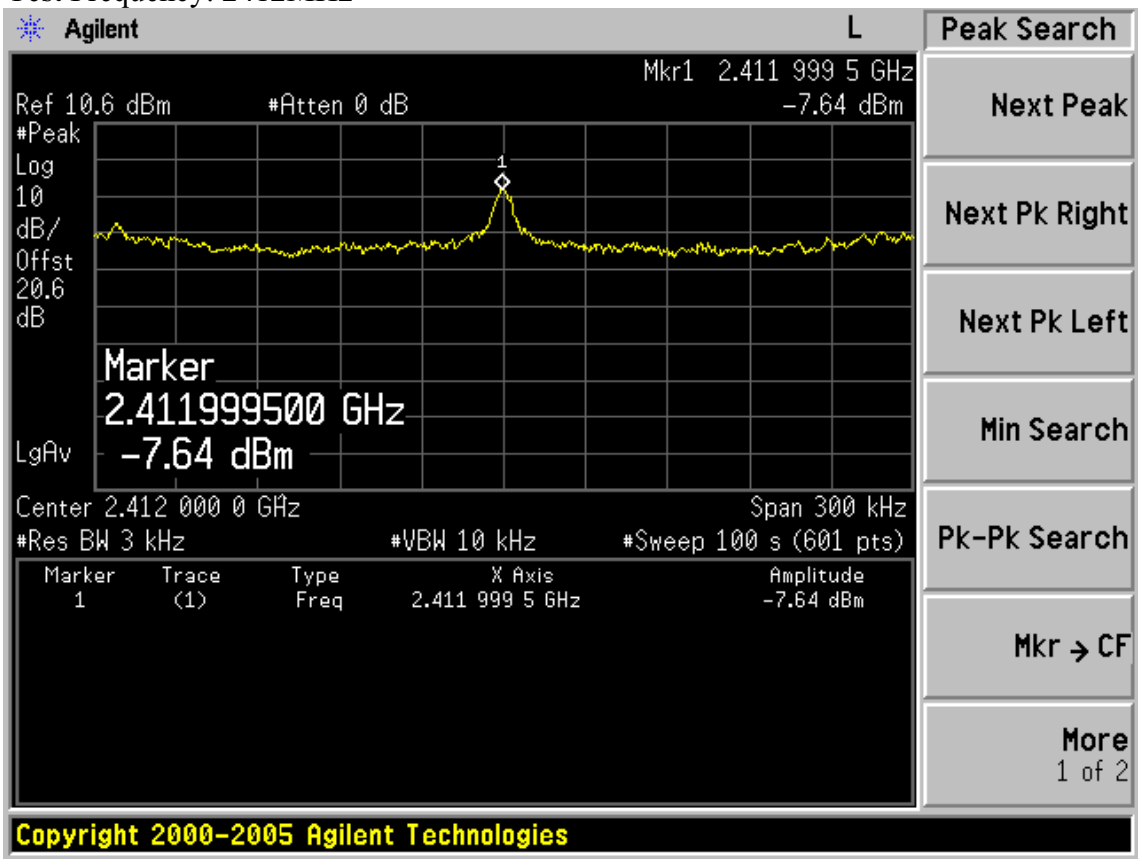
Test Frequency: 2437MHz



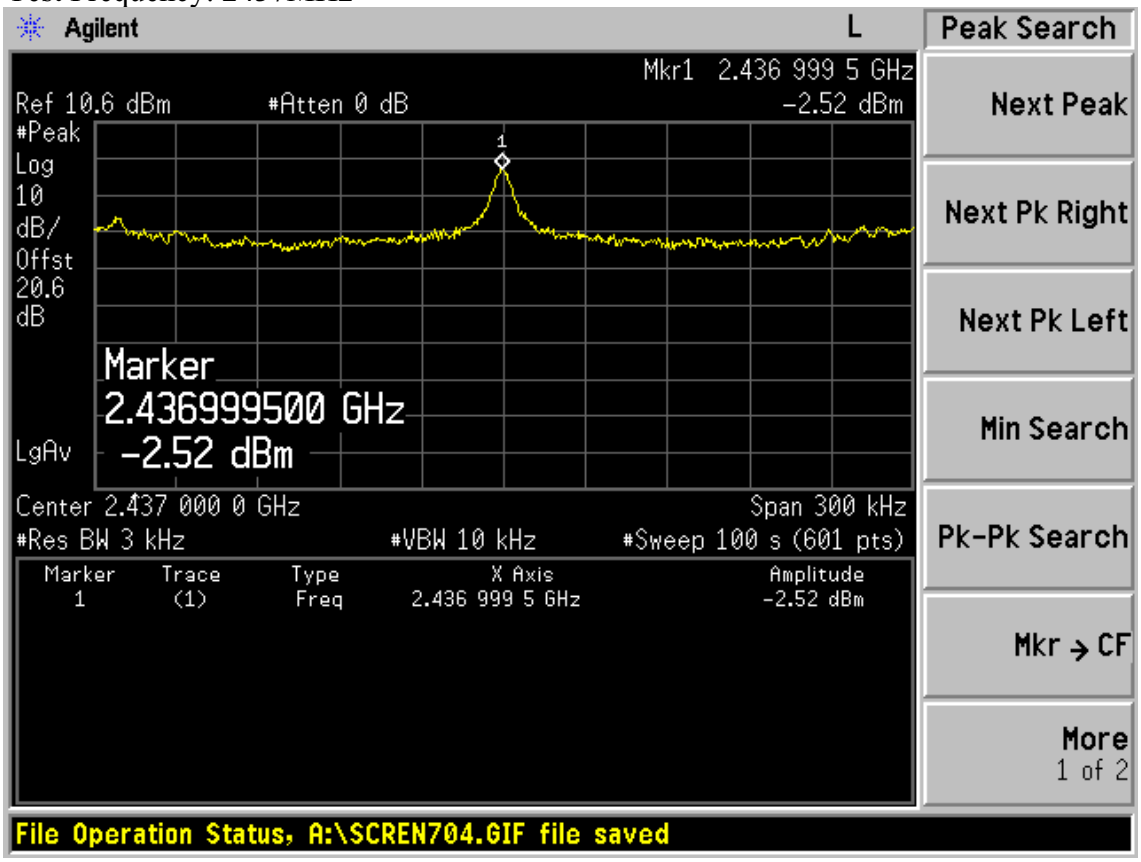
Test Frequency: 2462MHz



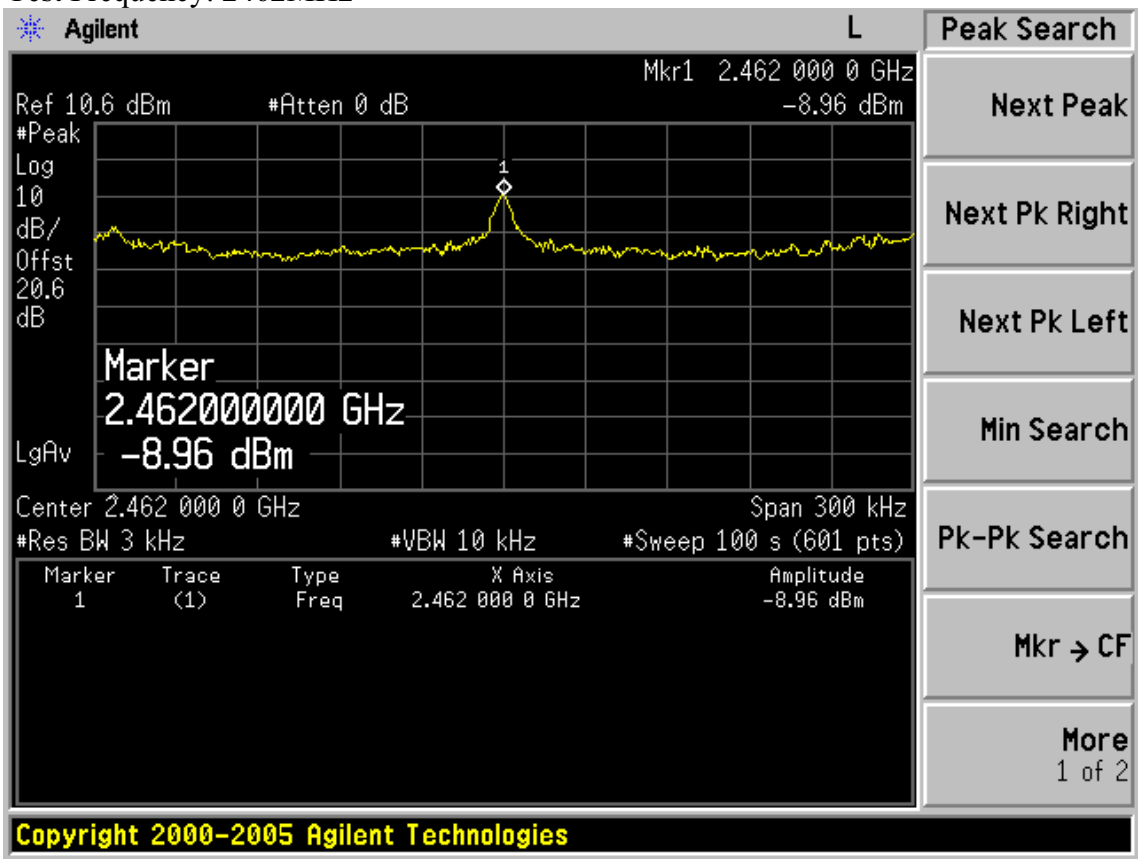
Test Mode: IEEE 802.11g TX
Test Frequency: 2412MHz



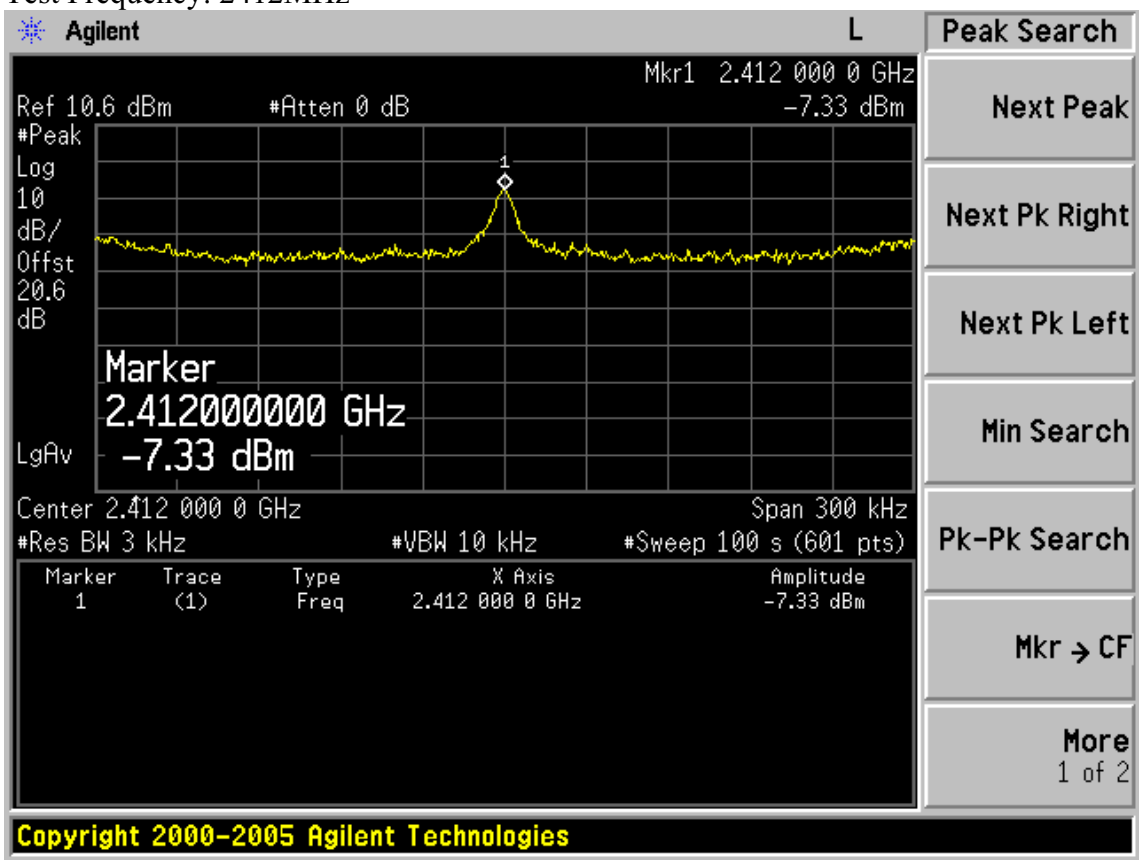
Test Frequency: 2437MHz



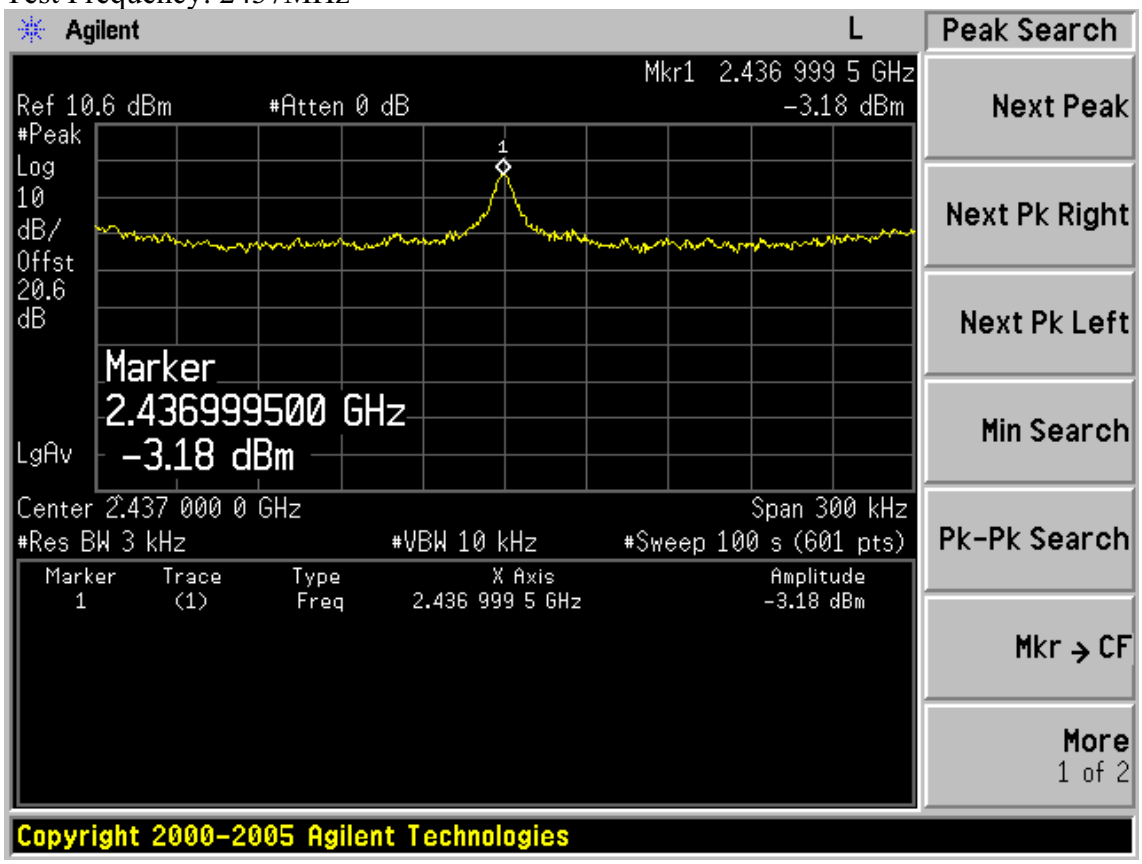
Test Frequency: 2462MHz



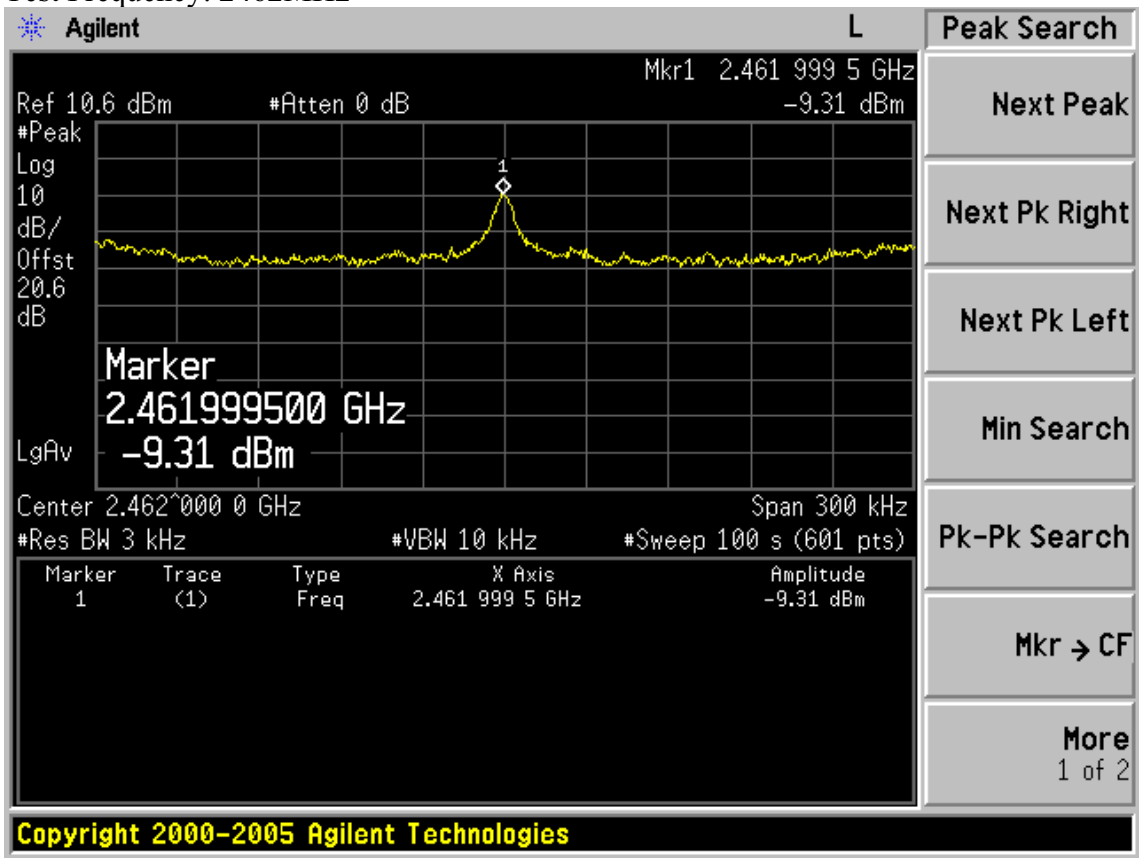
Test Mode: IEEE 802.11n HT20 TX
Test Frequency: 2412MHz



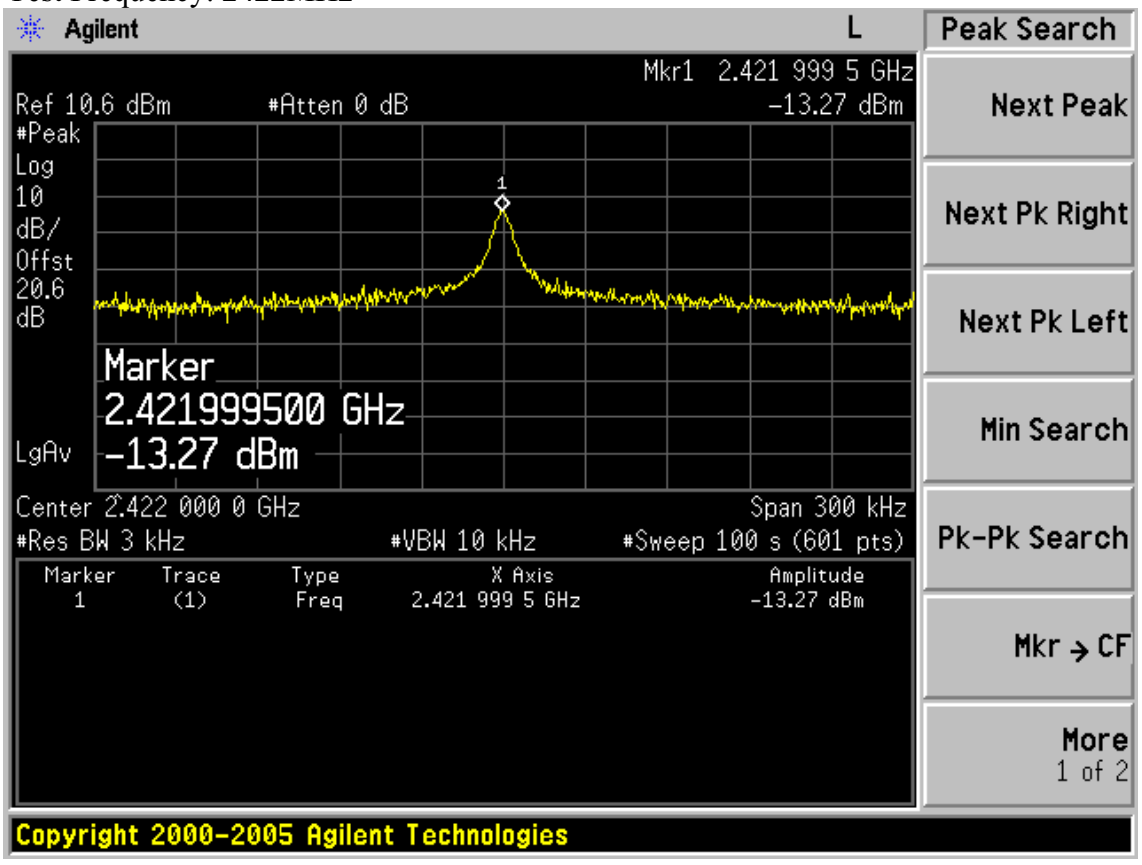
Test Frequency: 2437MHz



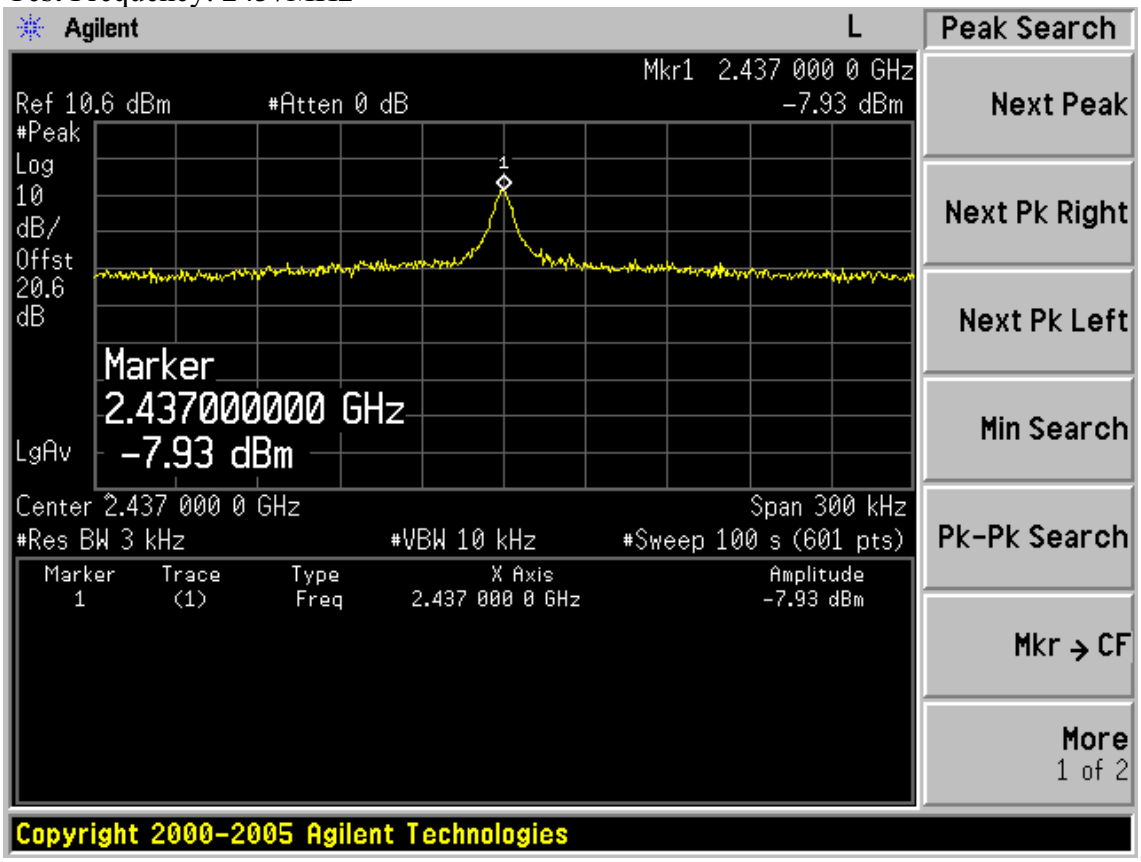
Test Frequency: 2462MHz



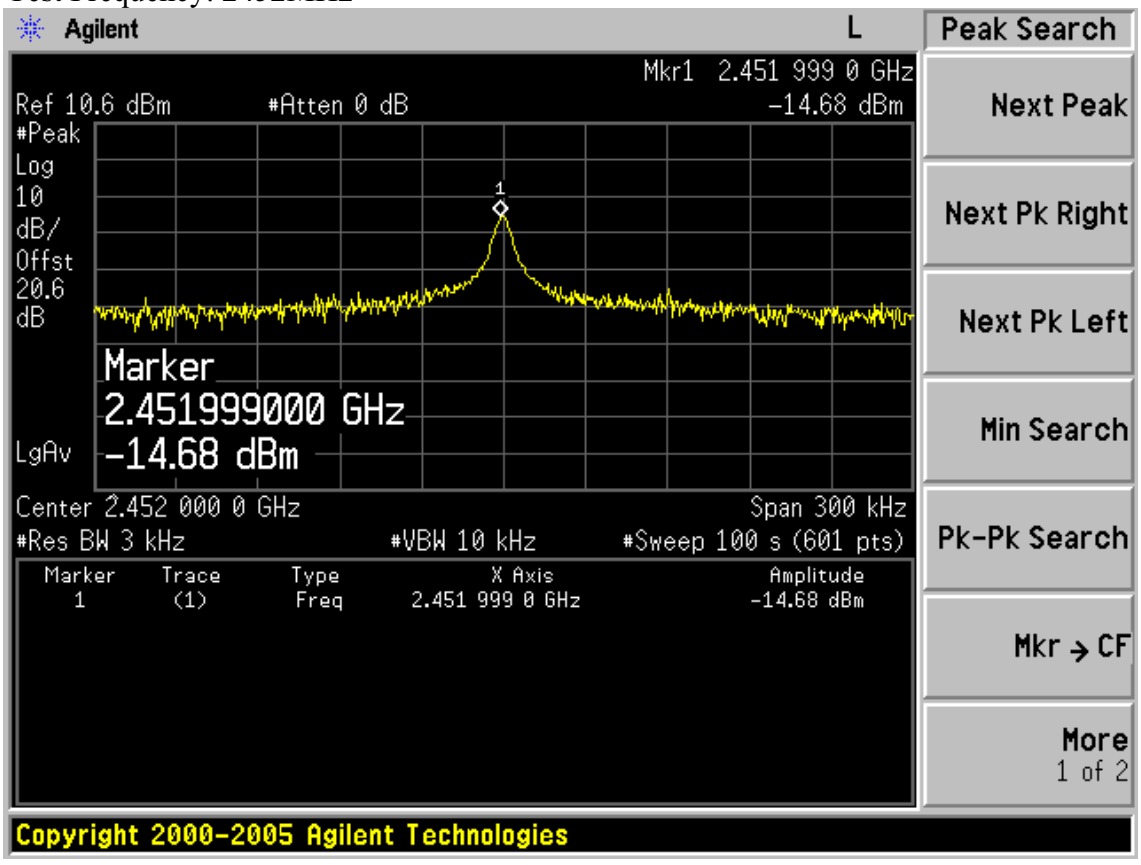
Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 2422MHz



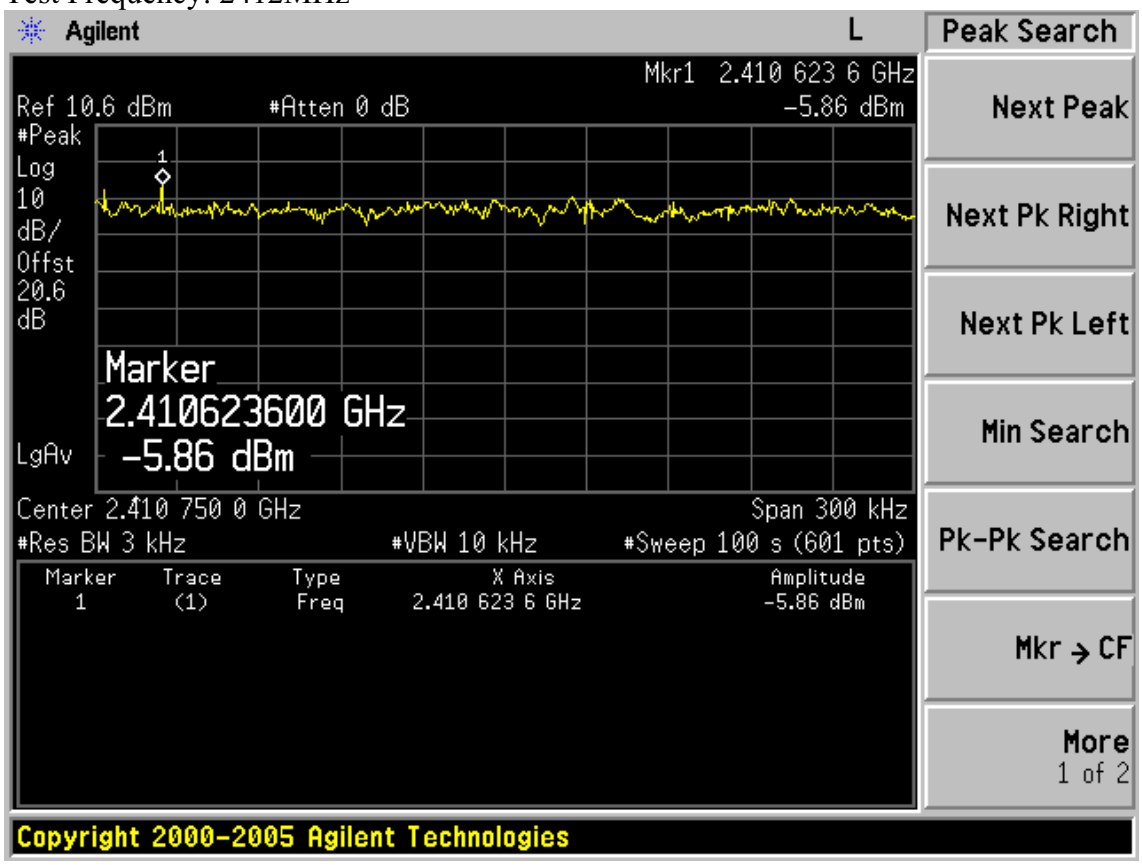
Test Frequency: 2437MHz



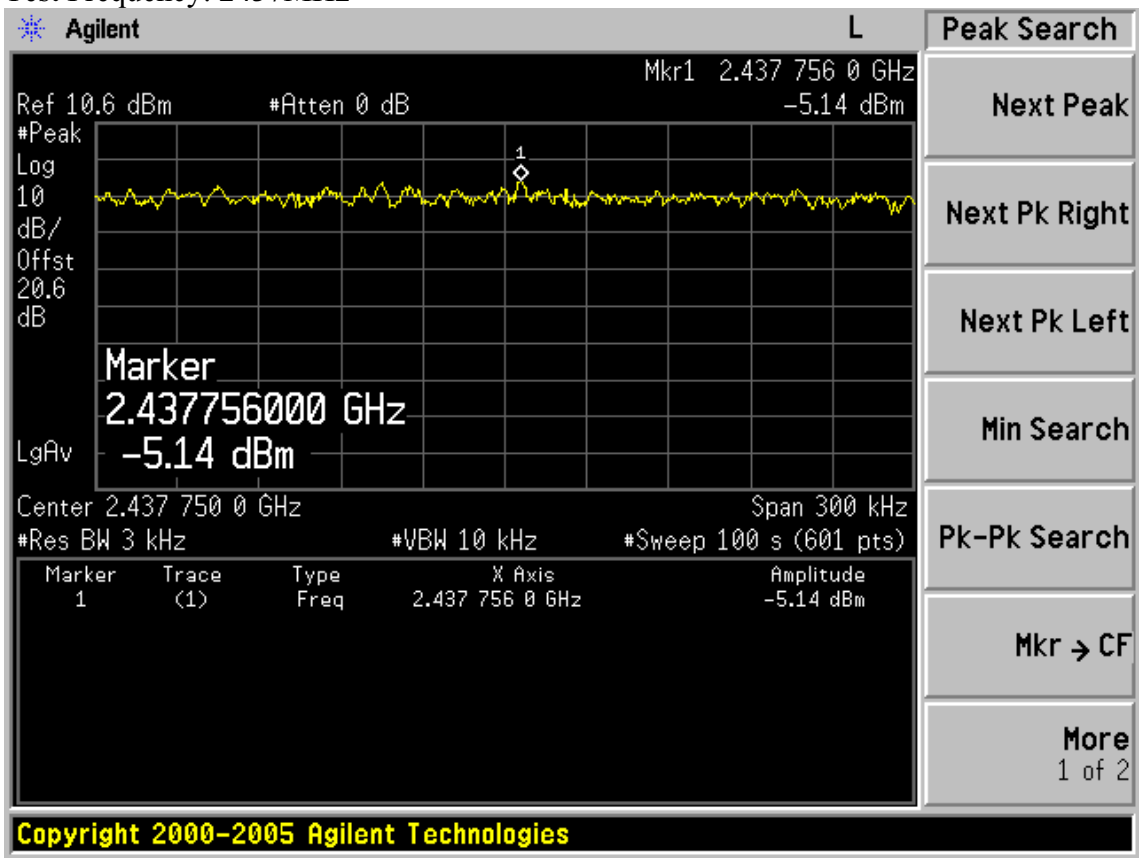
Test Frequency: 2452MHz



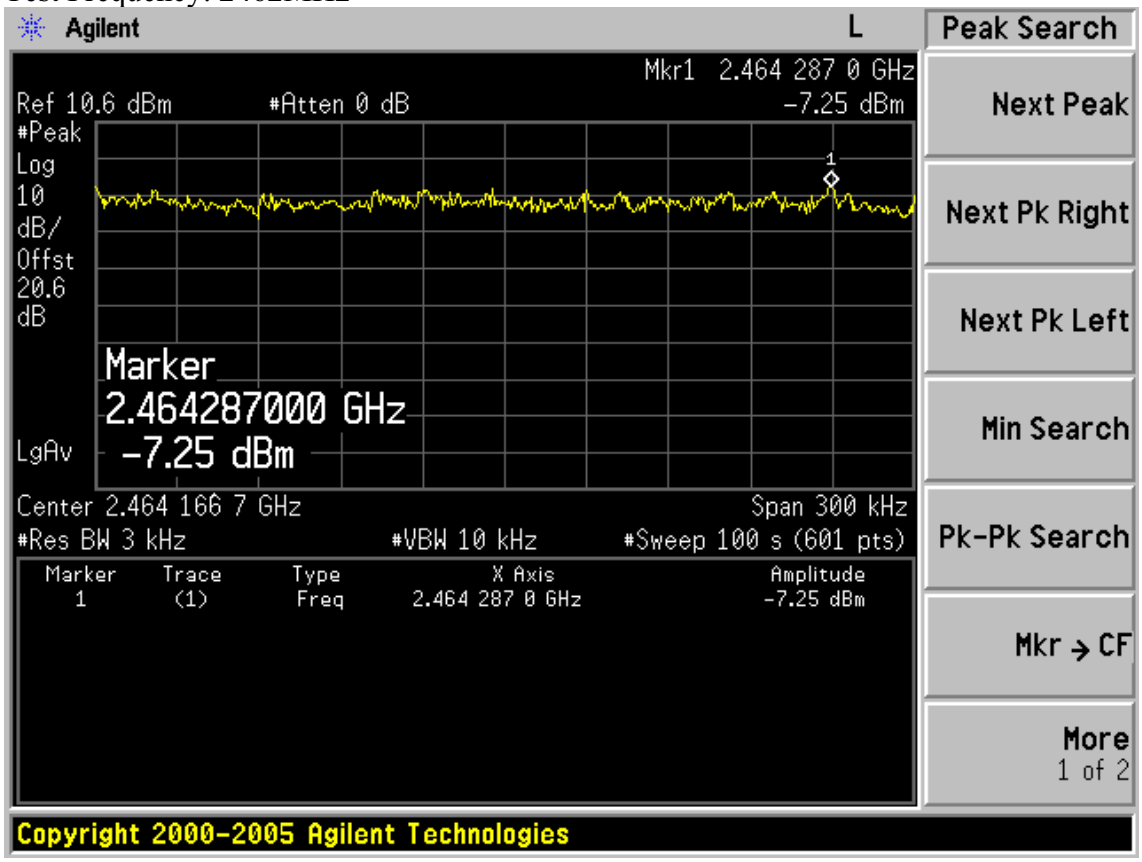
Chain 2:
Test Mode: IEEE 802.11b TX
Test Frequency: 2412MHz



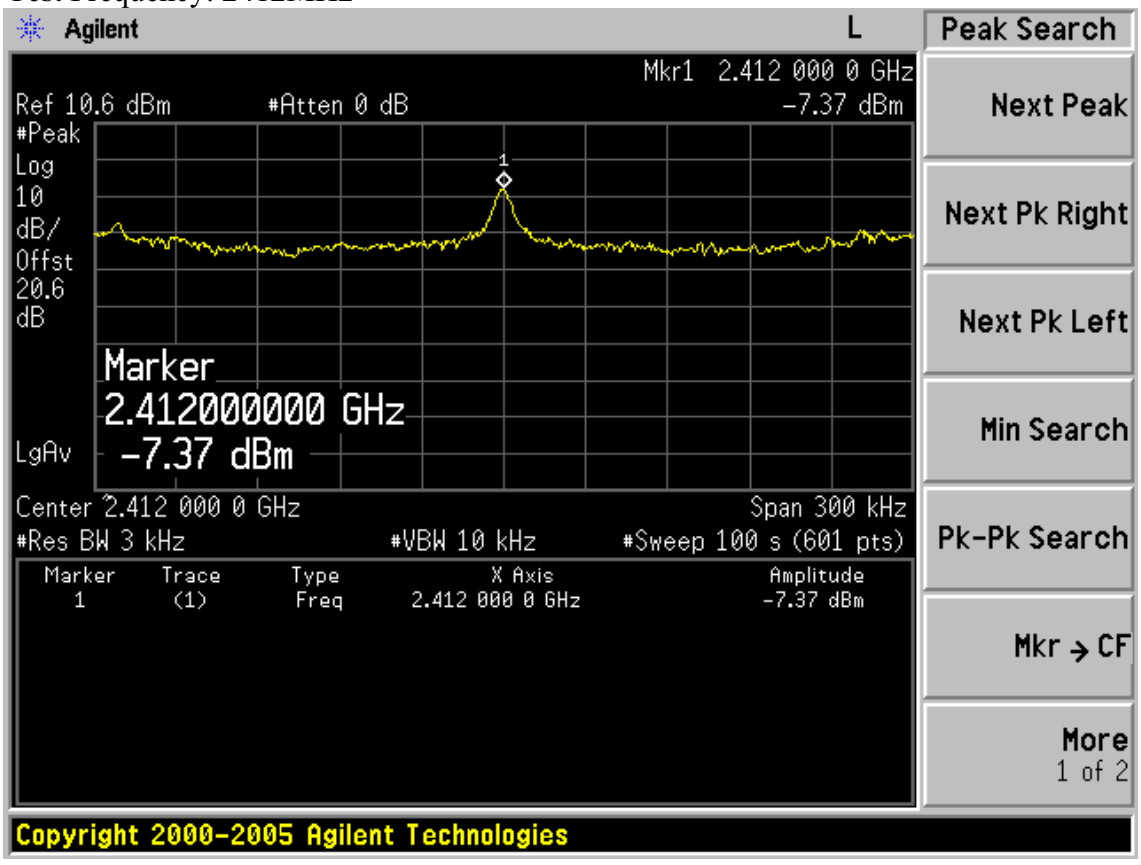
Test Frequency: 2437MHz



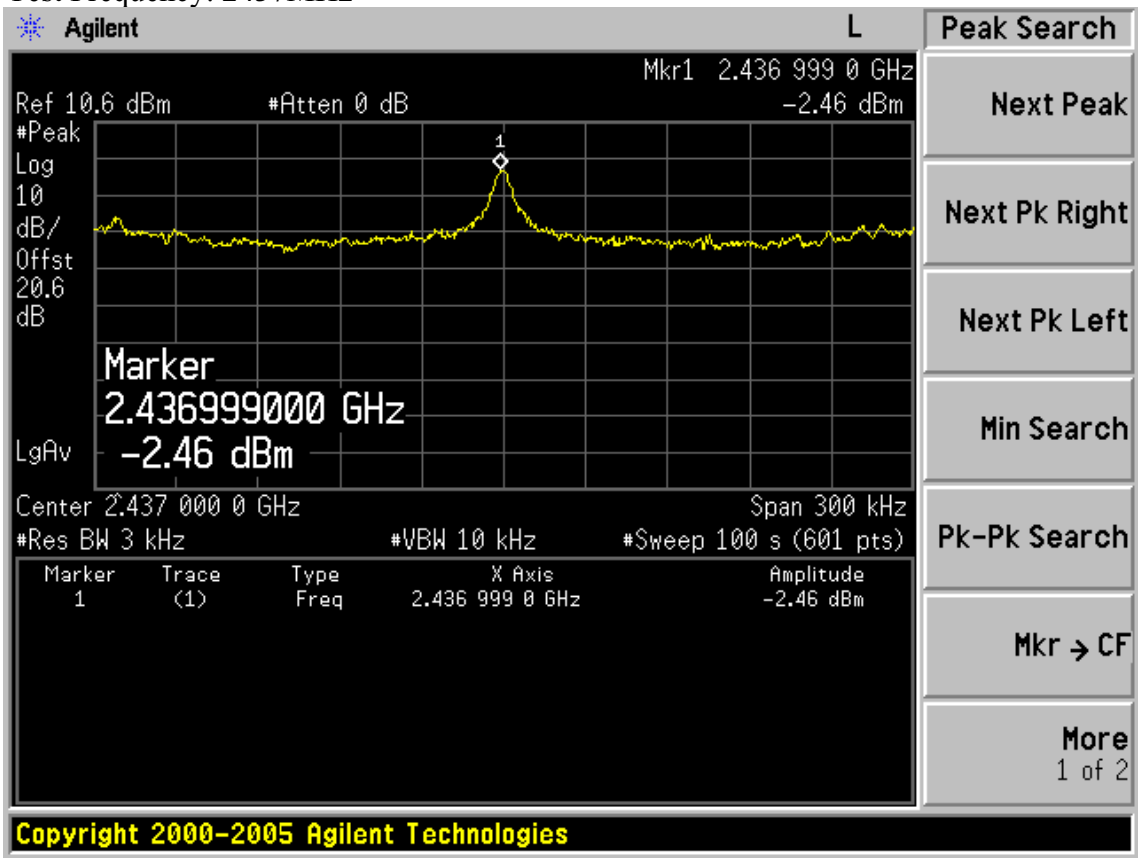
Test Frequency: 2462MHz



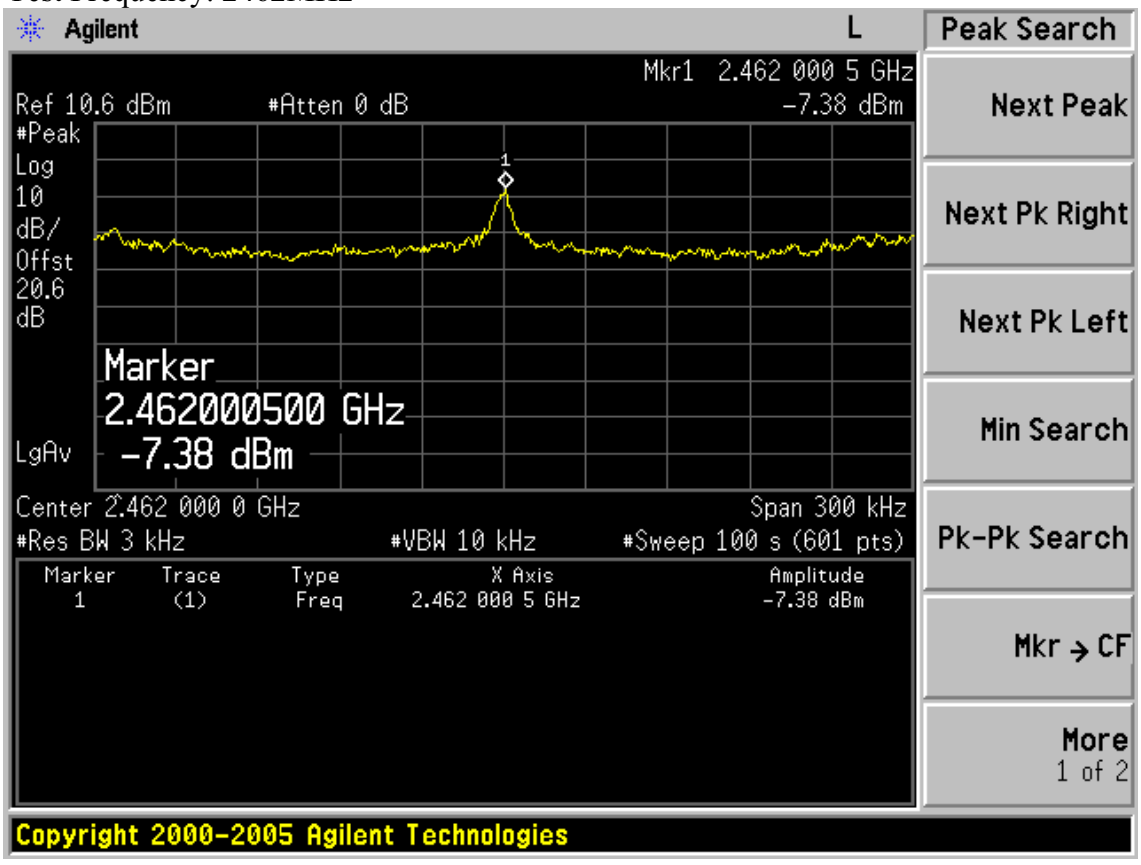
Test Mode: IEEE 802.11g TX
Test Frequency: 2412MHz



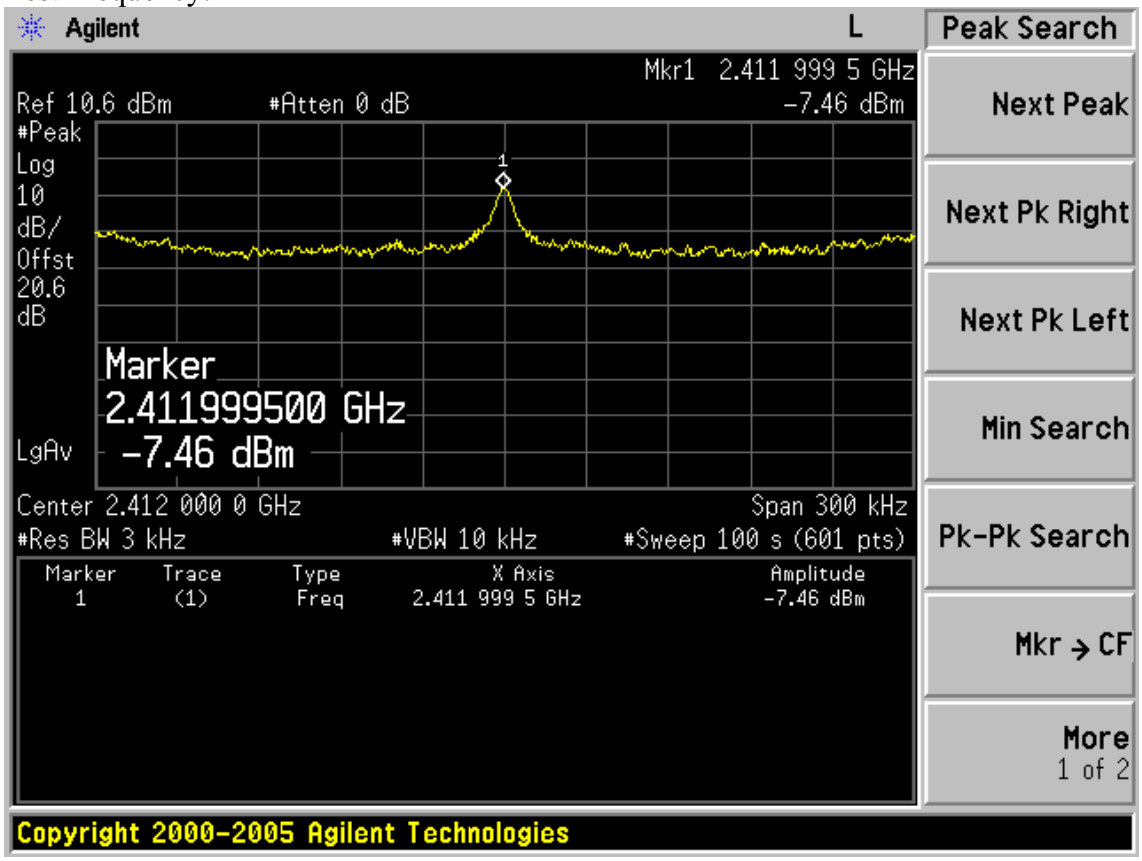
Test Frequency: 2437MHz



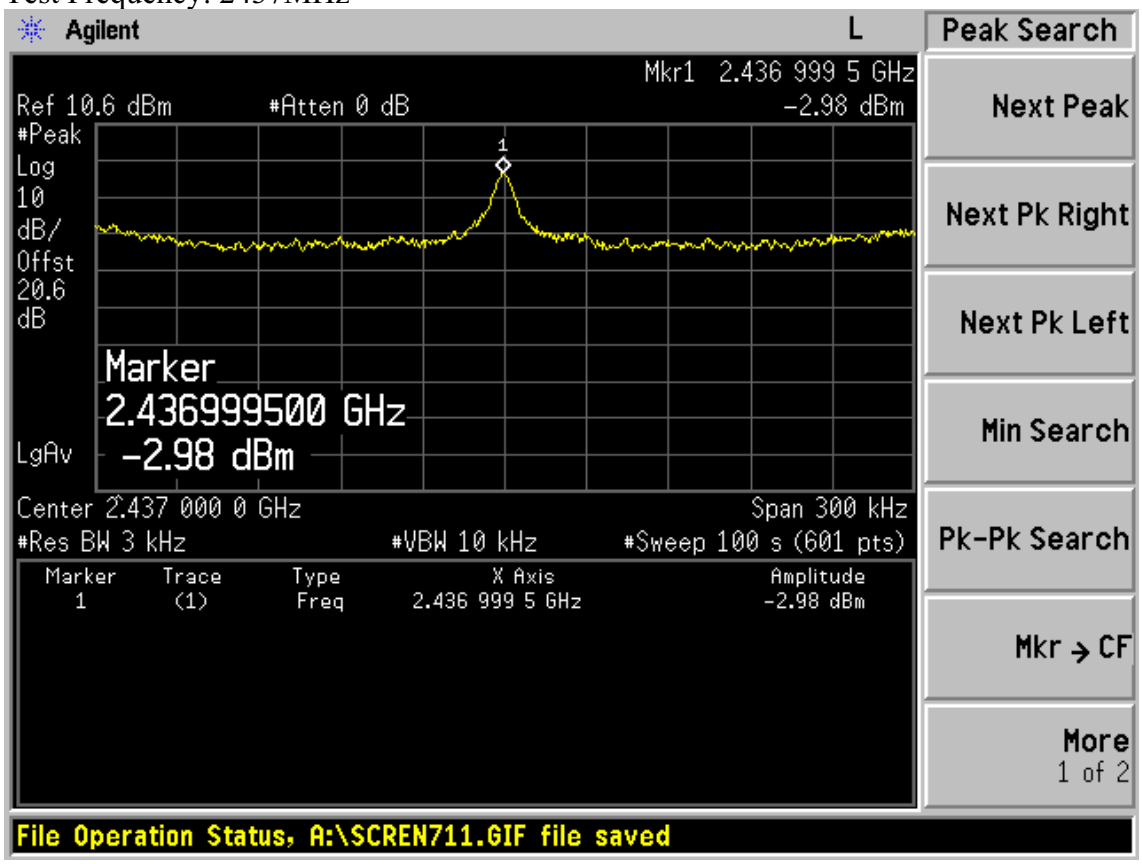
Test Frequency: 2462MHz



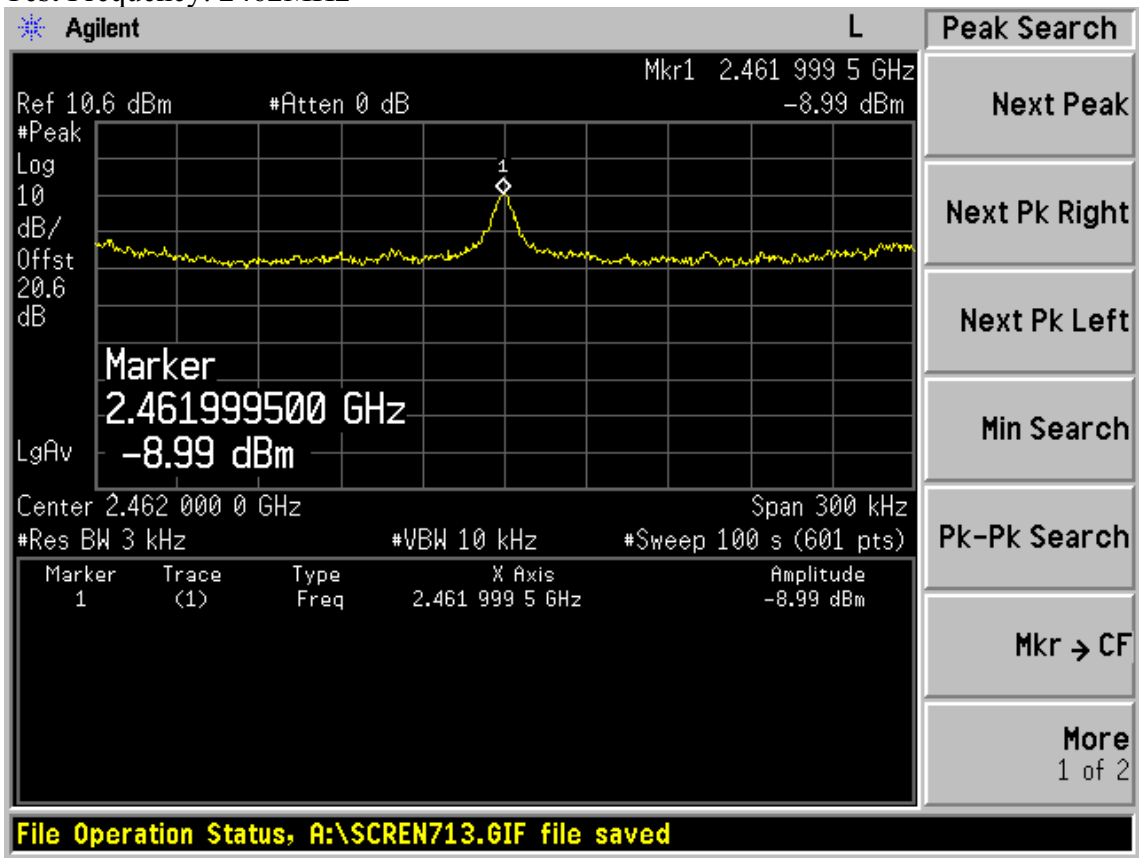
Test Mode: IEEE 802.11n HT20 TX
Test Frequency: 2412MHz



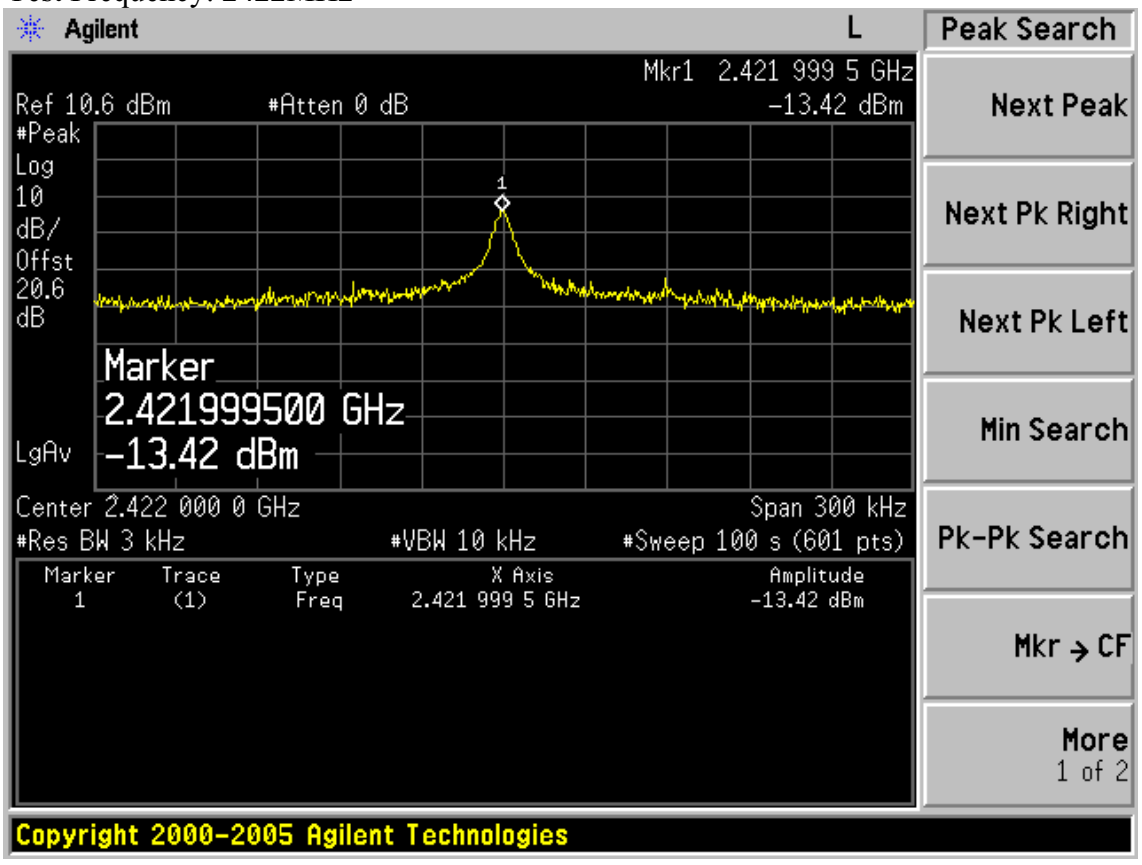
Test Frequency: 2437MHz



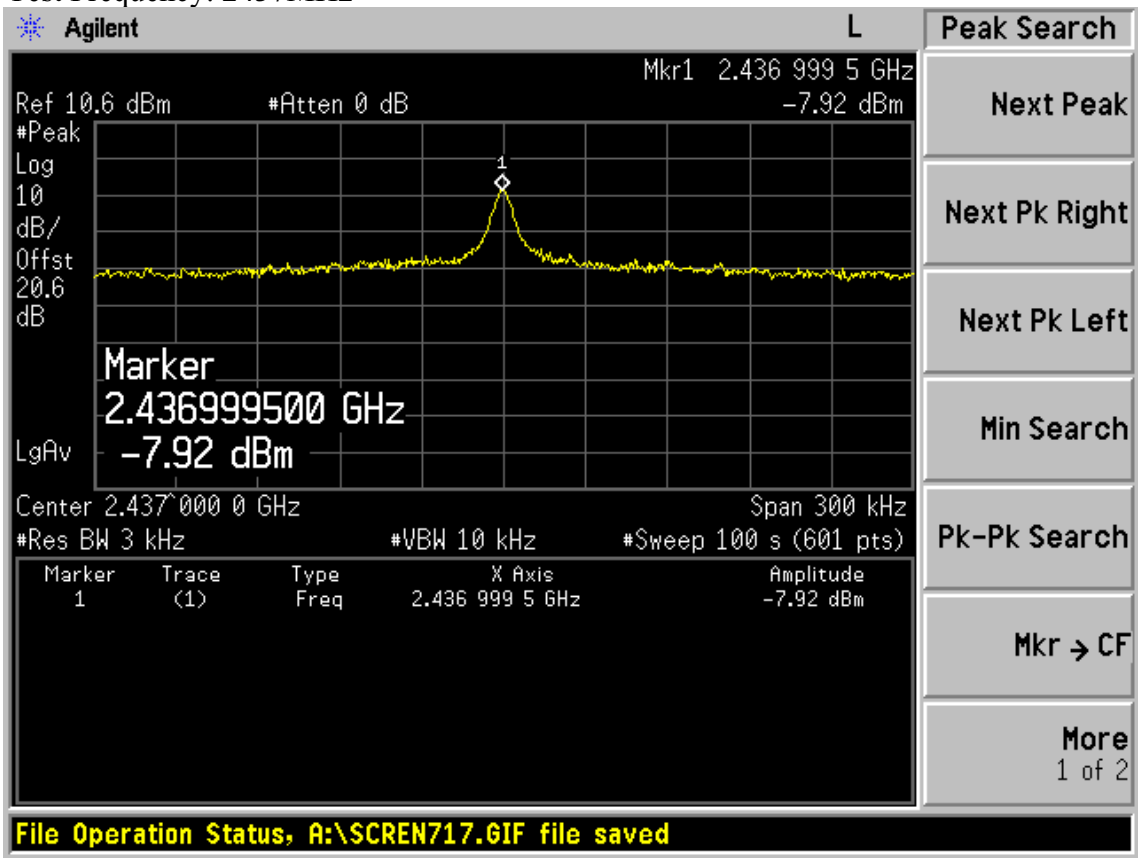
Test Frequency: 2462MHz



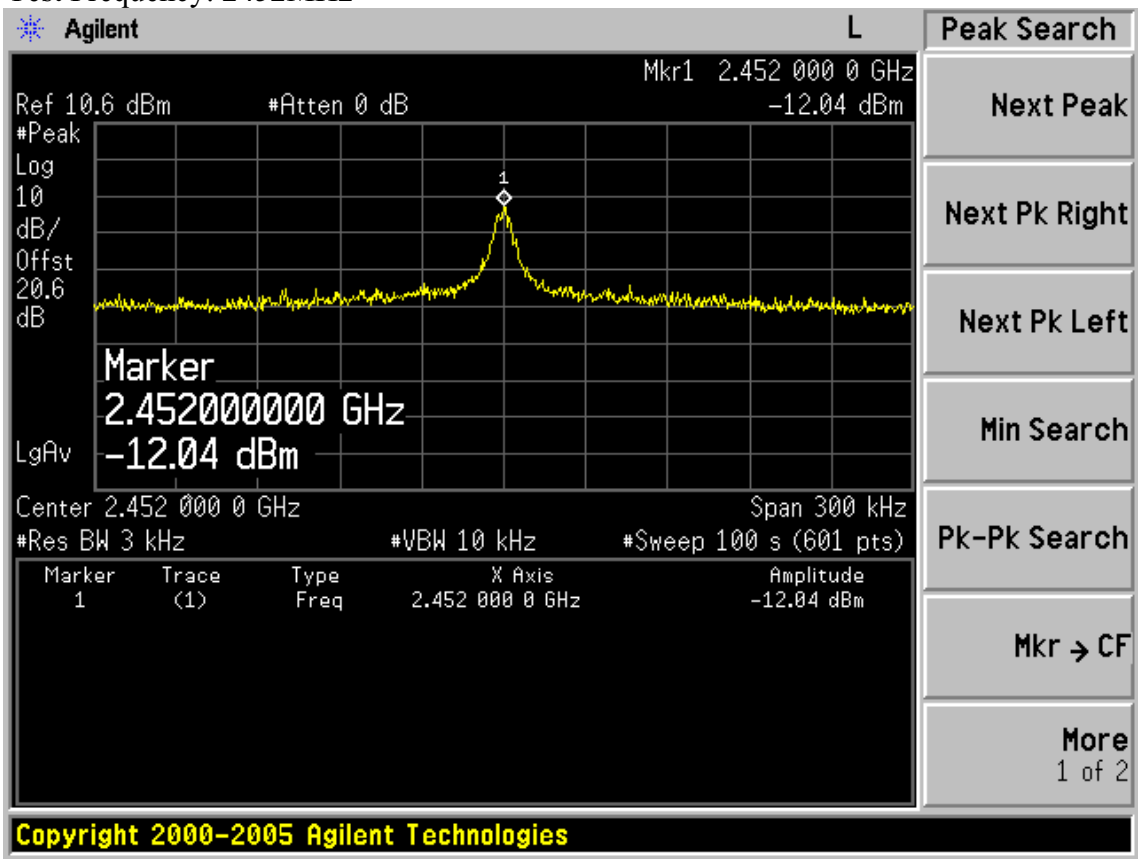
Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 2422MHz



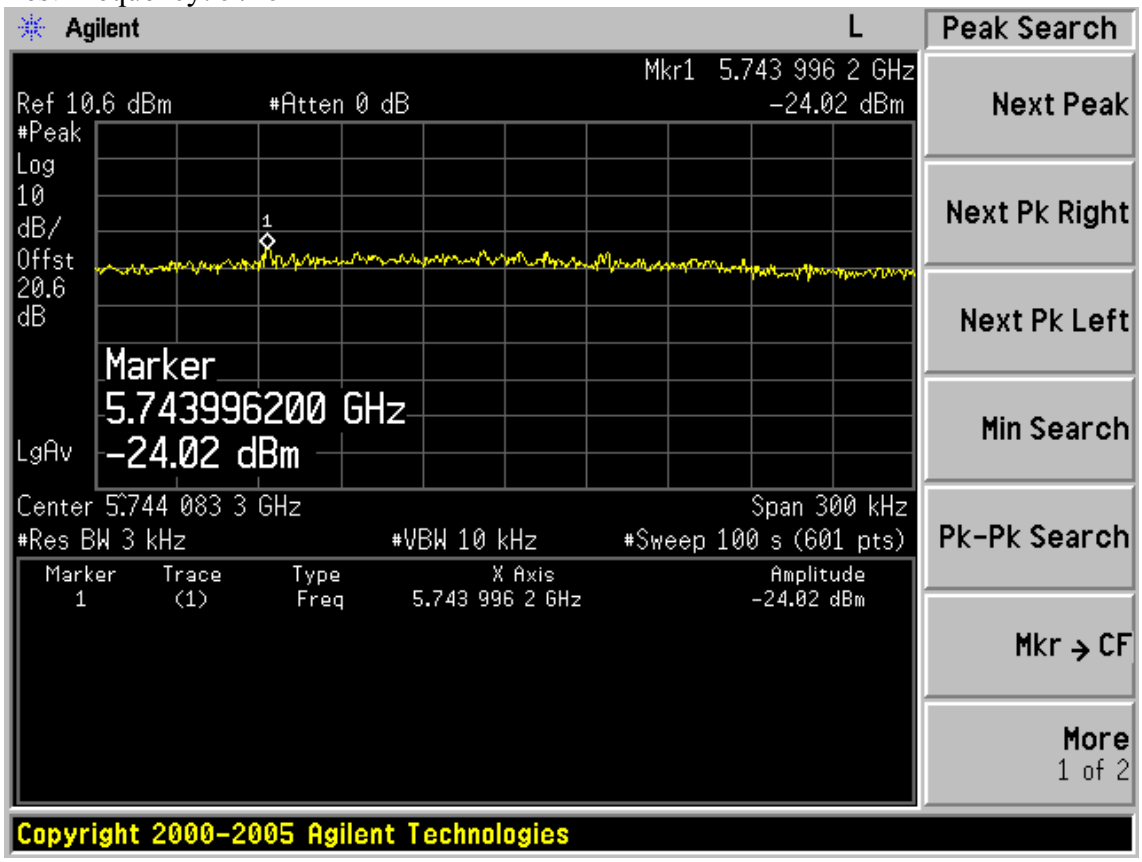
Test Frequency: 2437MHz



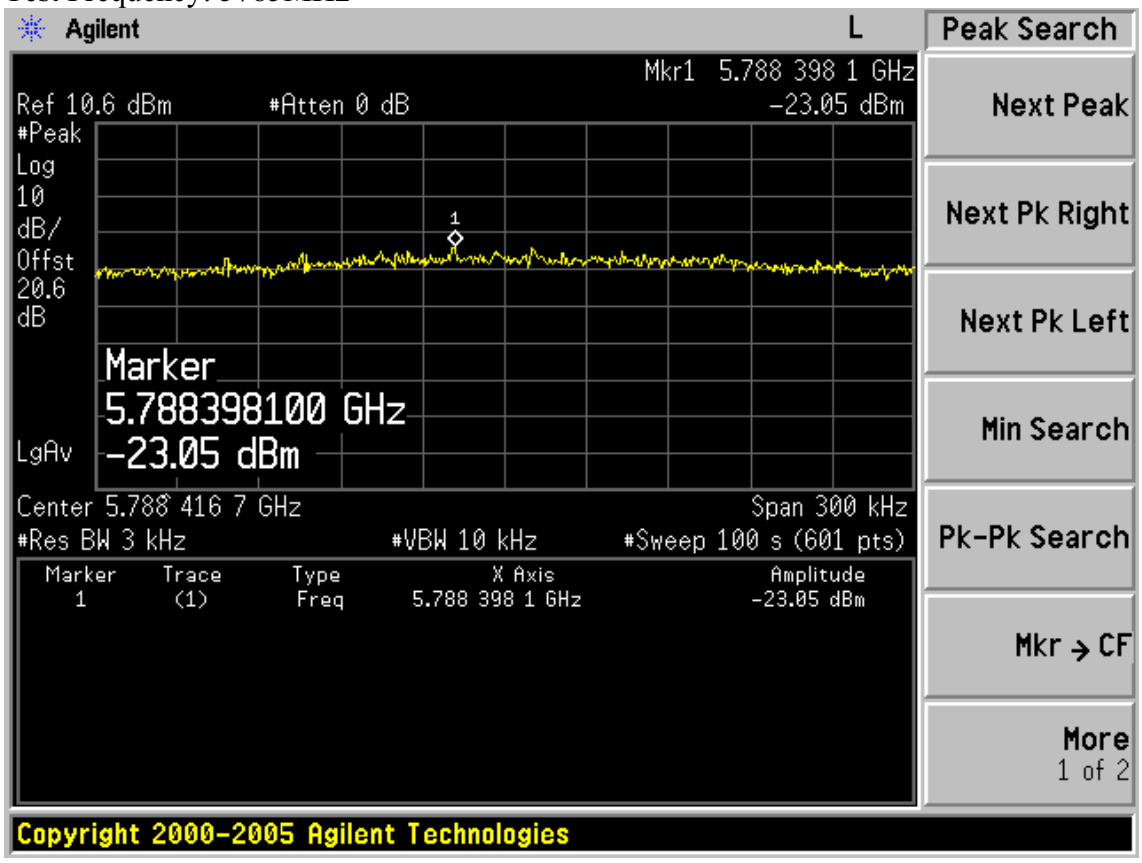
Test Frequency: 2452MHz



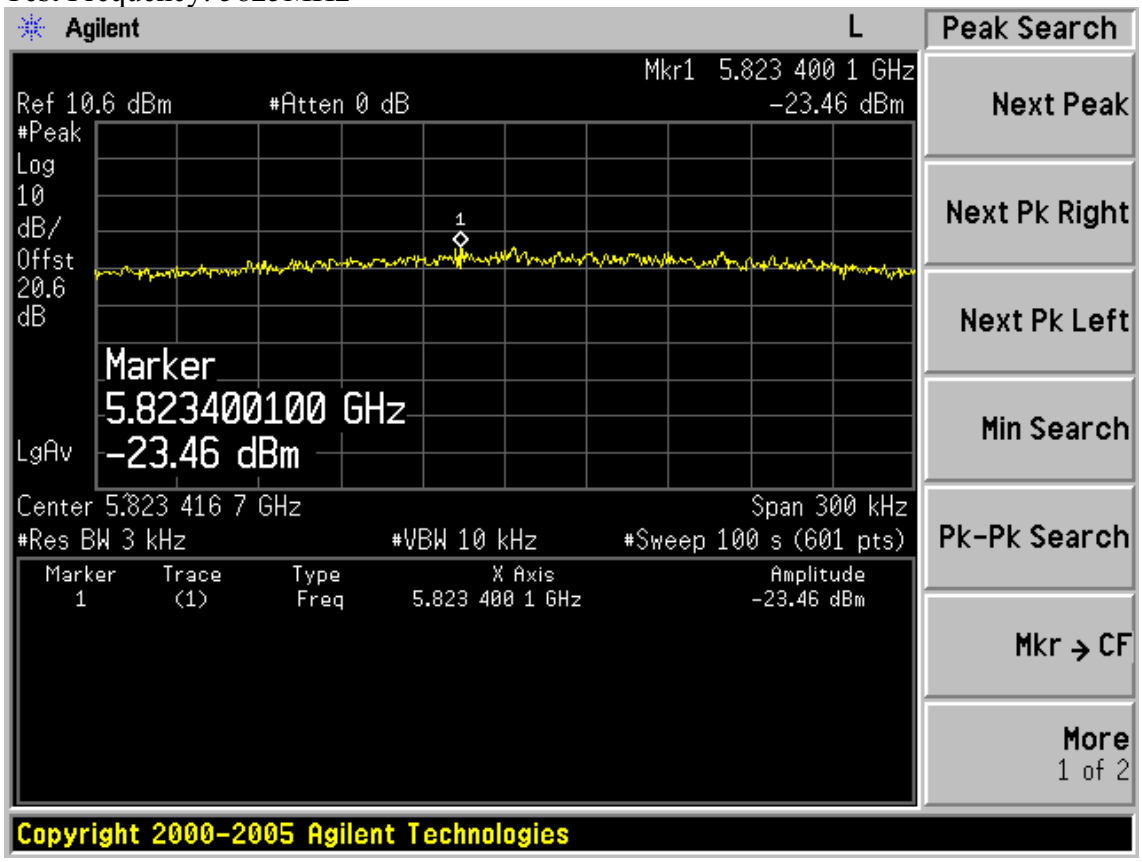
(5G) Chain 1:
Test Mode: IEEE 802.11a TX
Test Frequency: 5745MHz



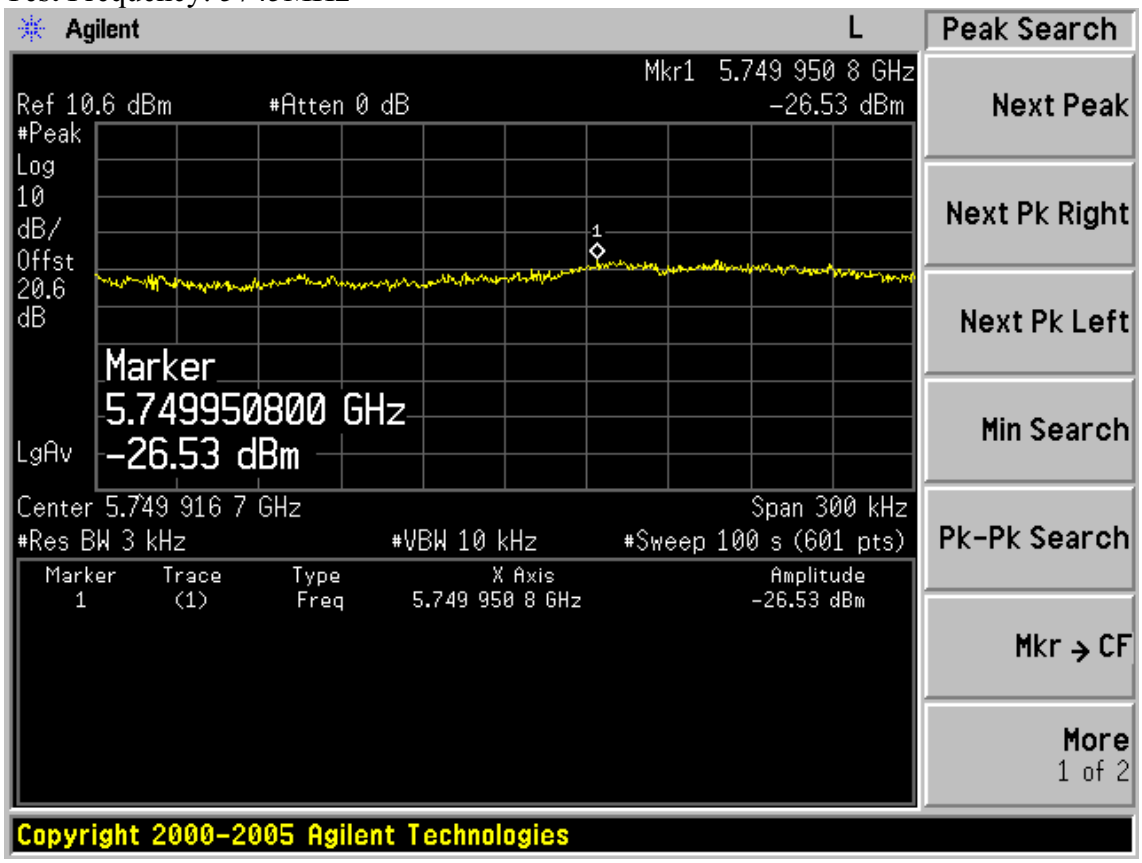
Test Frequency: 5785MHz



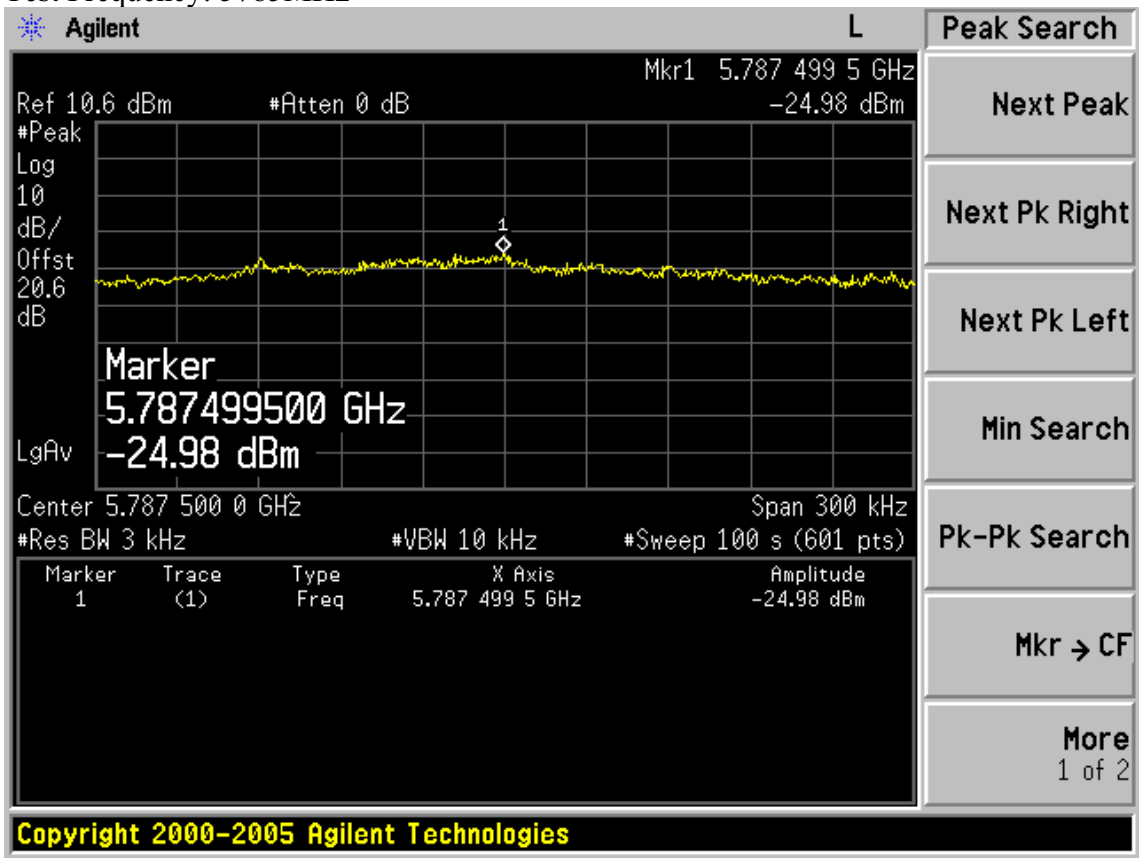
Test Frequency: 5825MHz



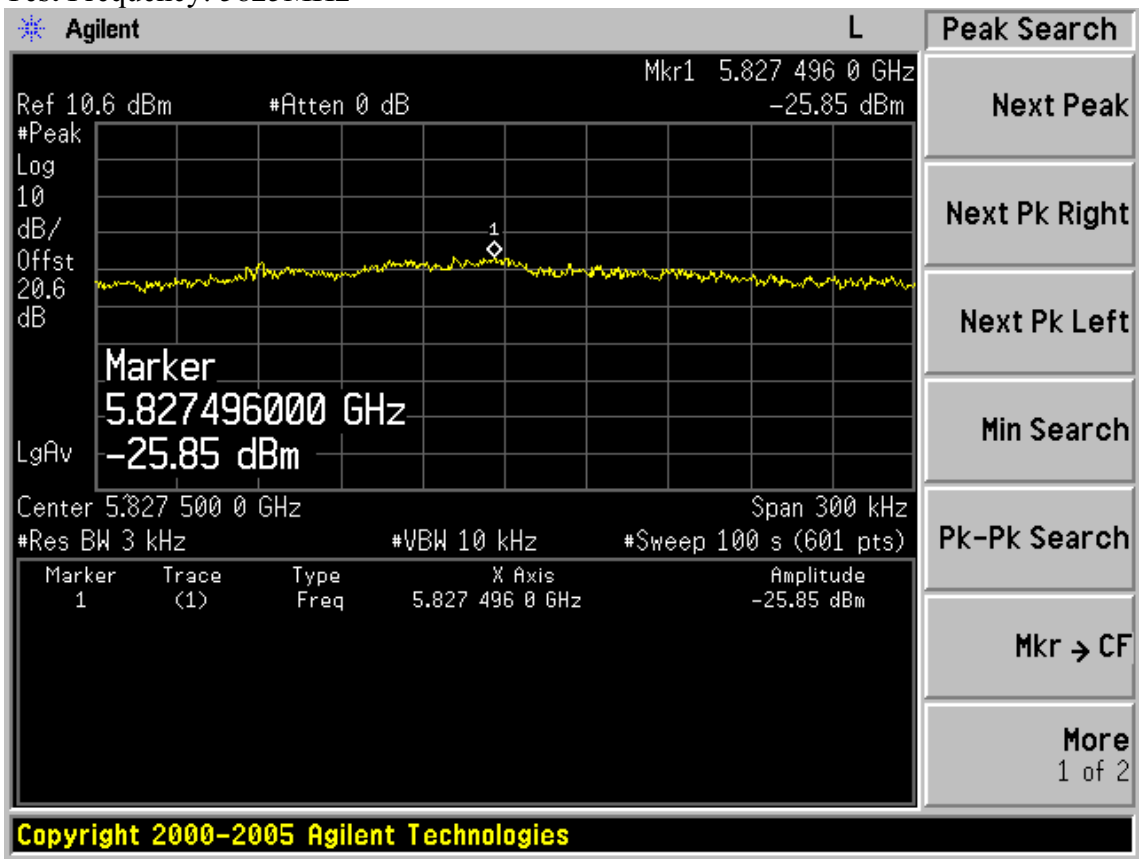
Test Mode: IEEE 802.11n HT20 TX
Test Frequency: 5745MHz



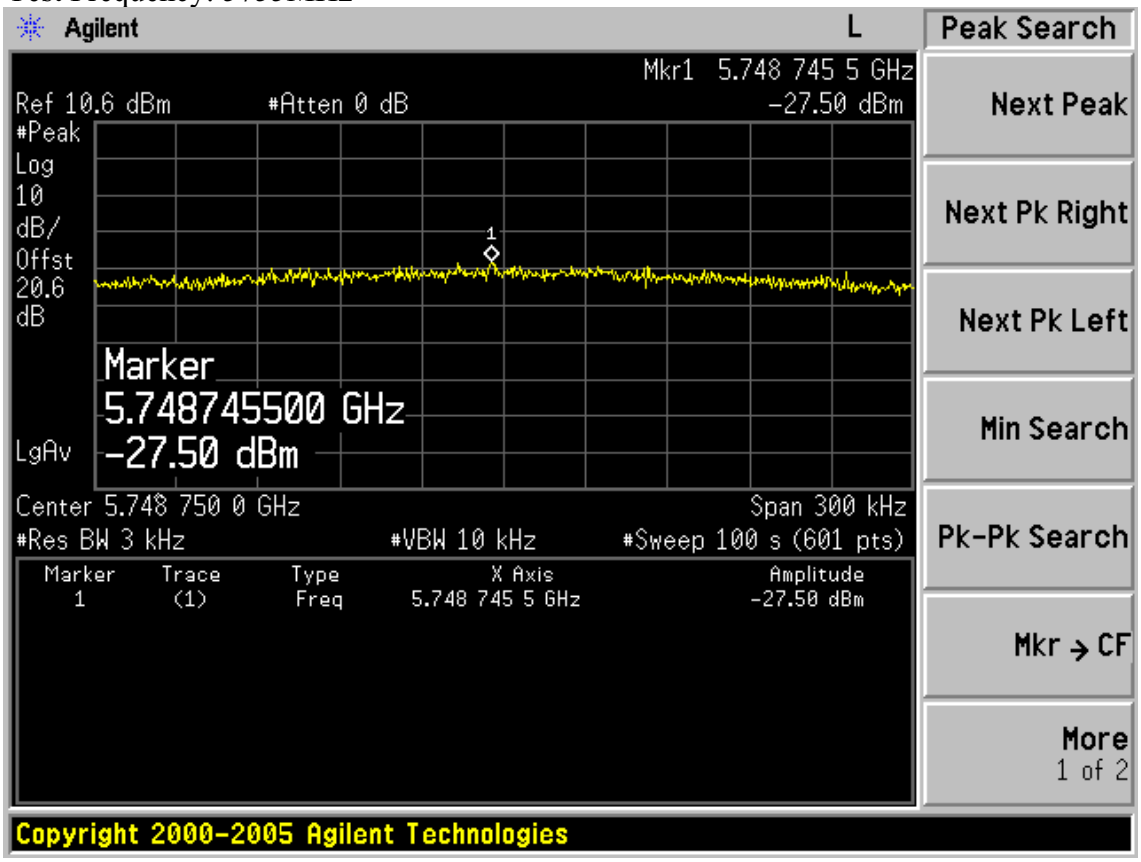
Test Frequency: 5785MHz



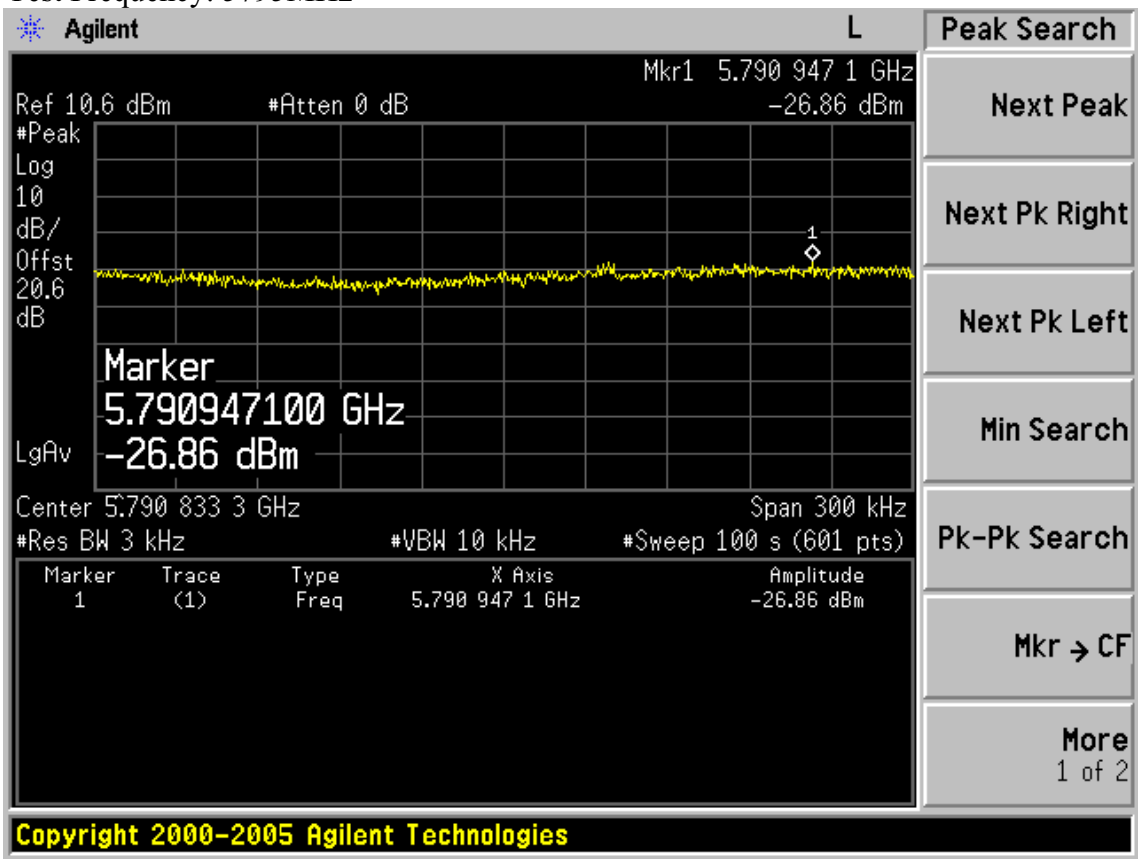
Test Frequency: 5825MHz



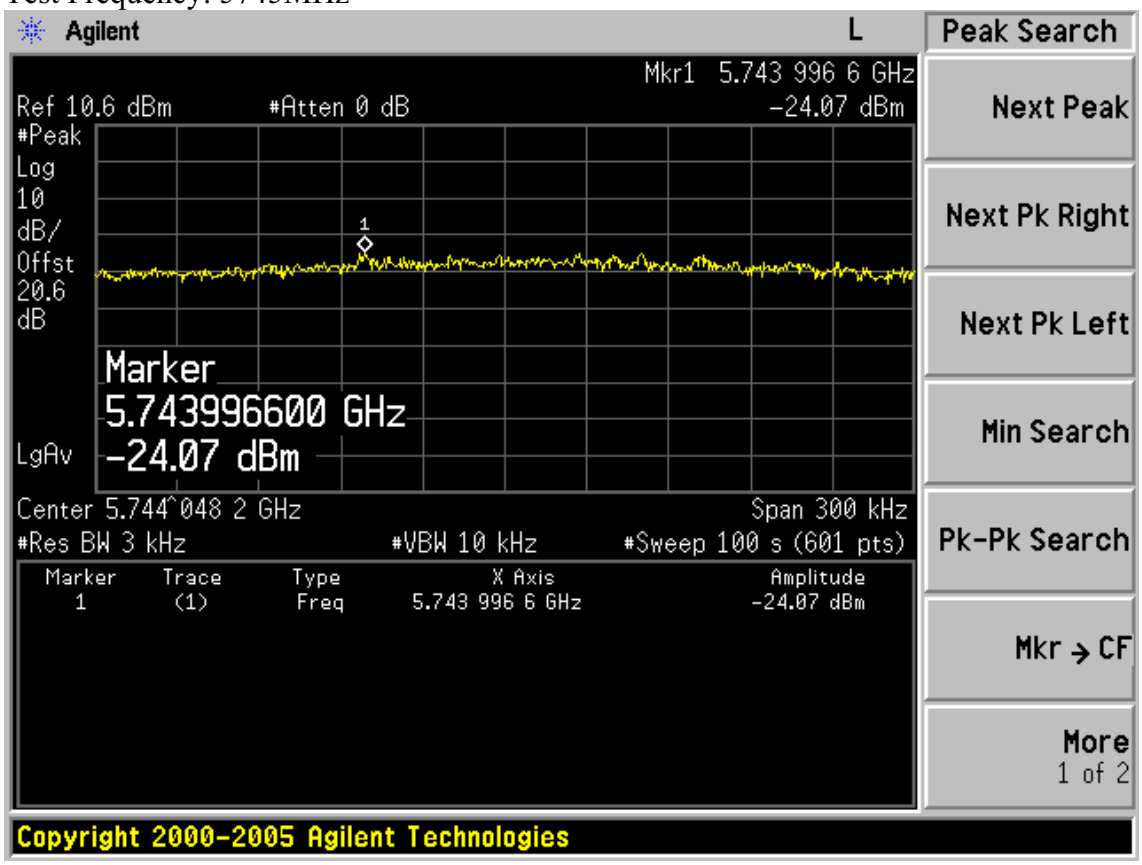
Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 5755MHz



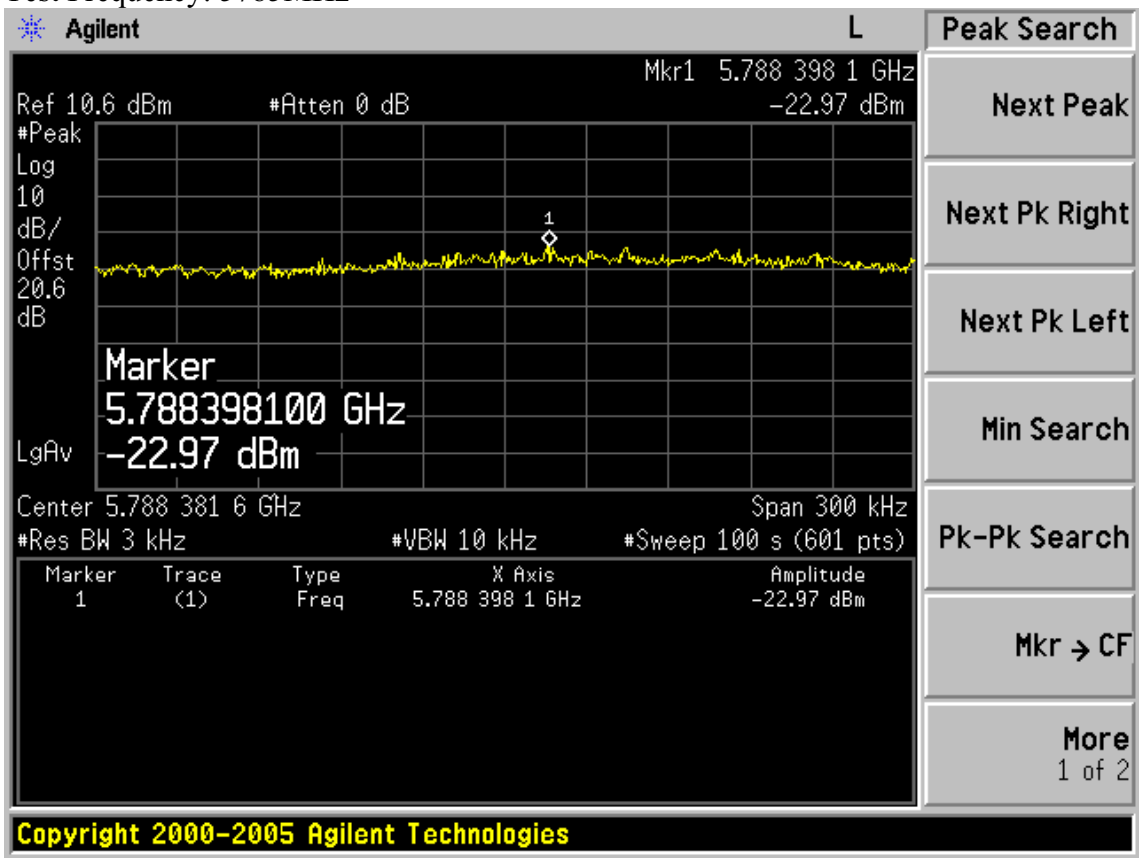
Test Frequency: 5795MHz



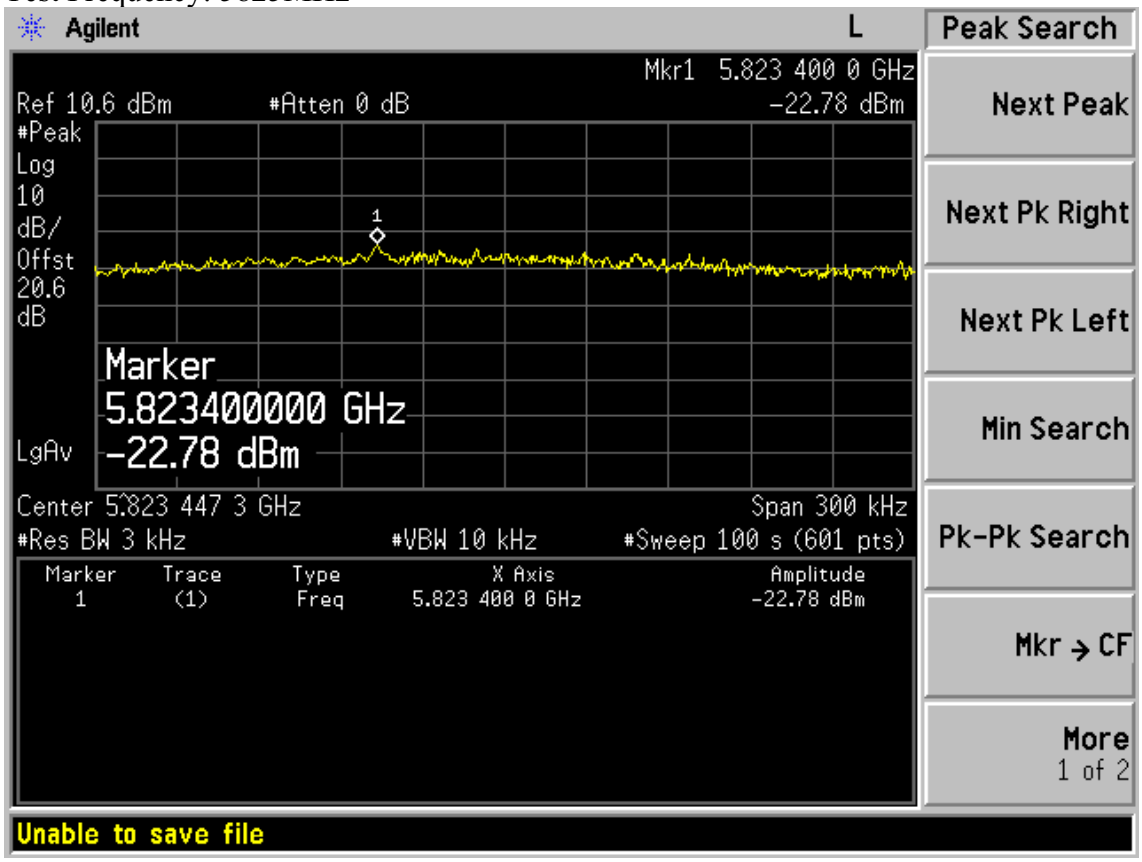
Chain 2:
Test Mode: IEEE 802.11a TX
Test Frequency: 5745MHz



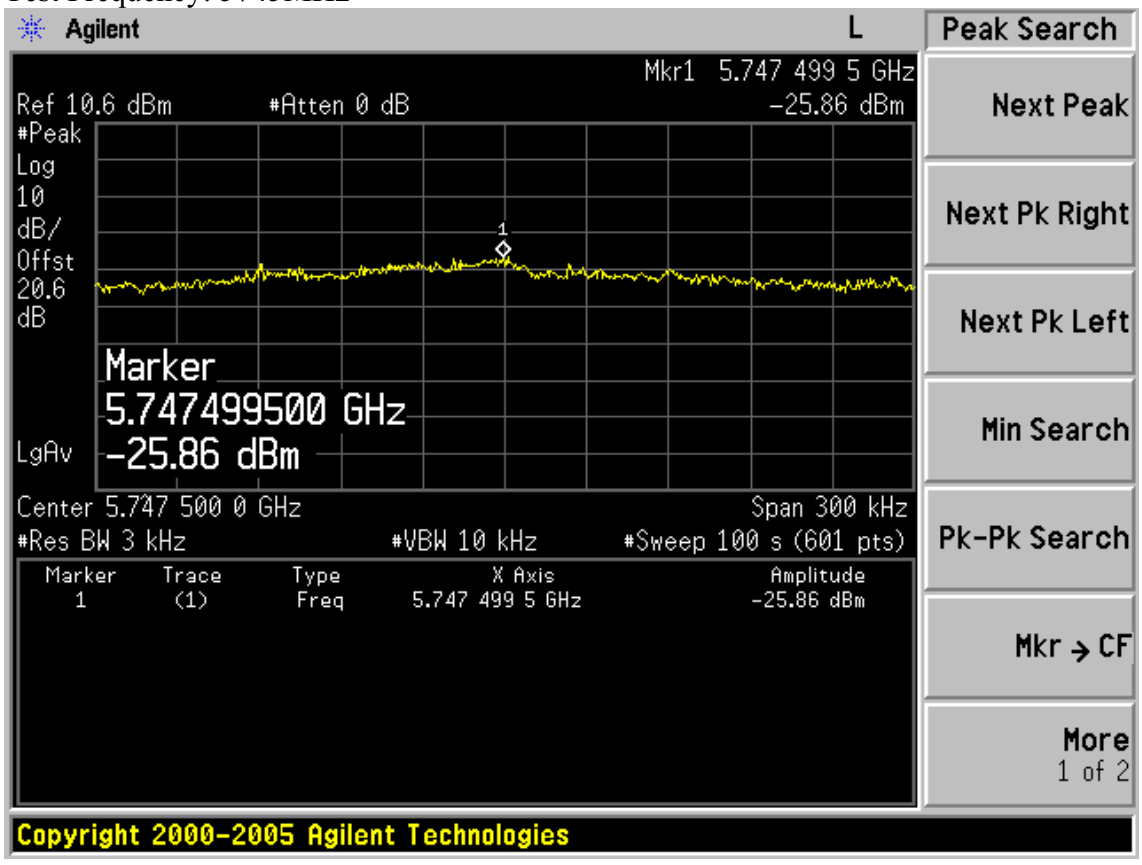
Test Frequency: 5785MHz



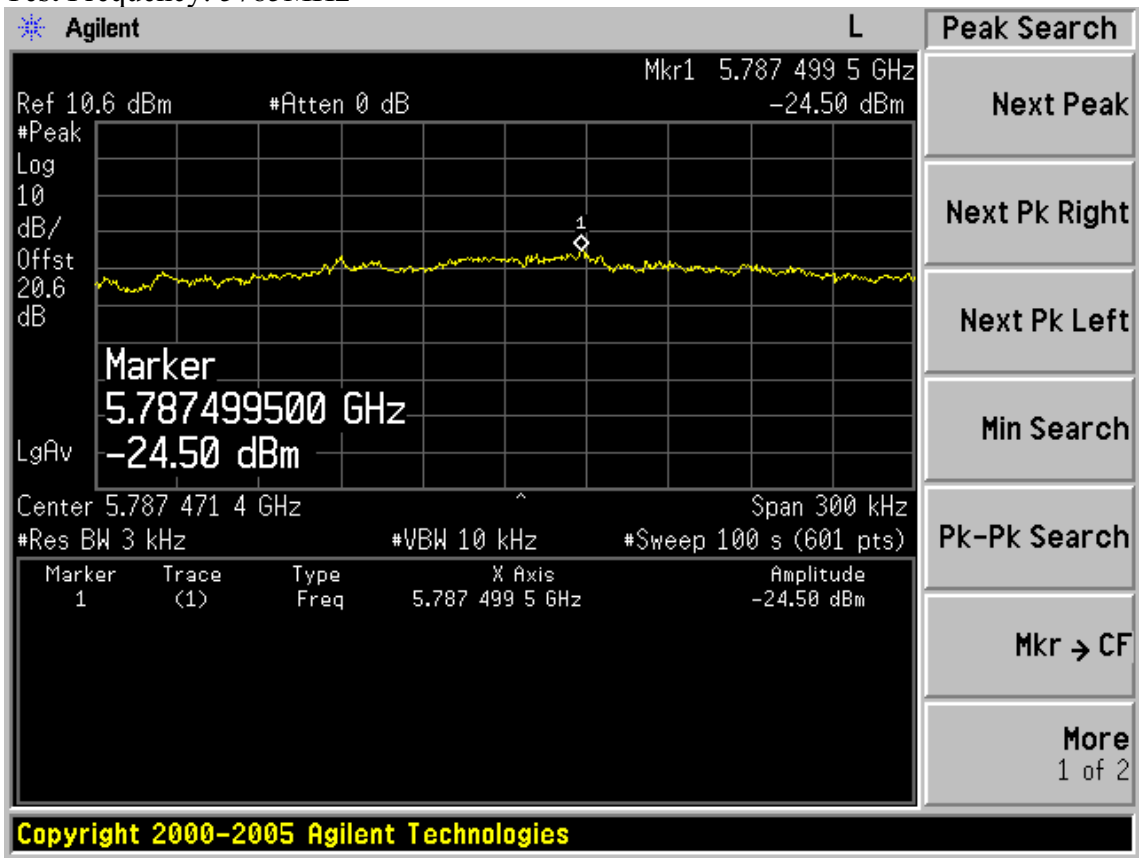
Test Frequency: 5825MHz



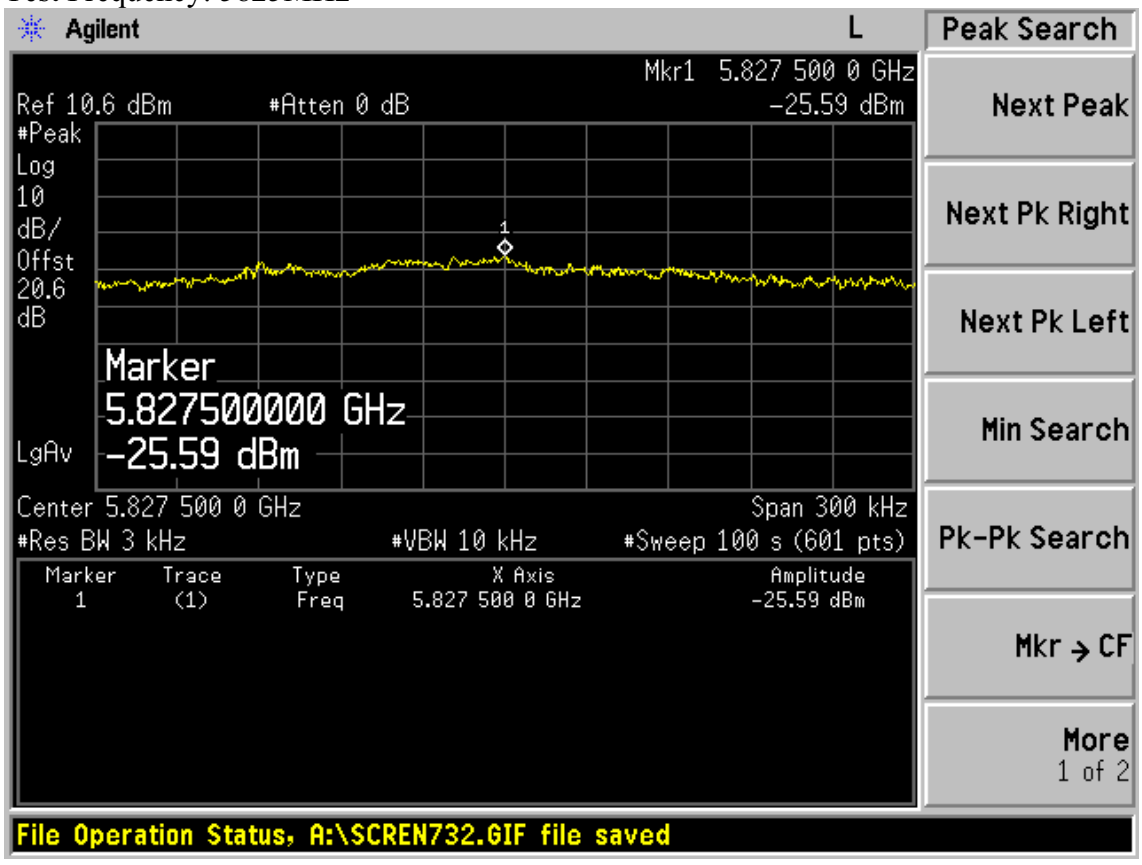
Test Mode: IEEE 802.11n HT20 TX
Test Frequency: 5745MHz



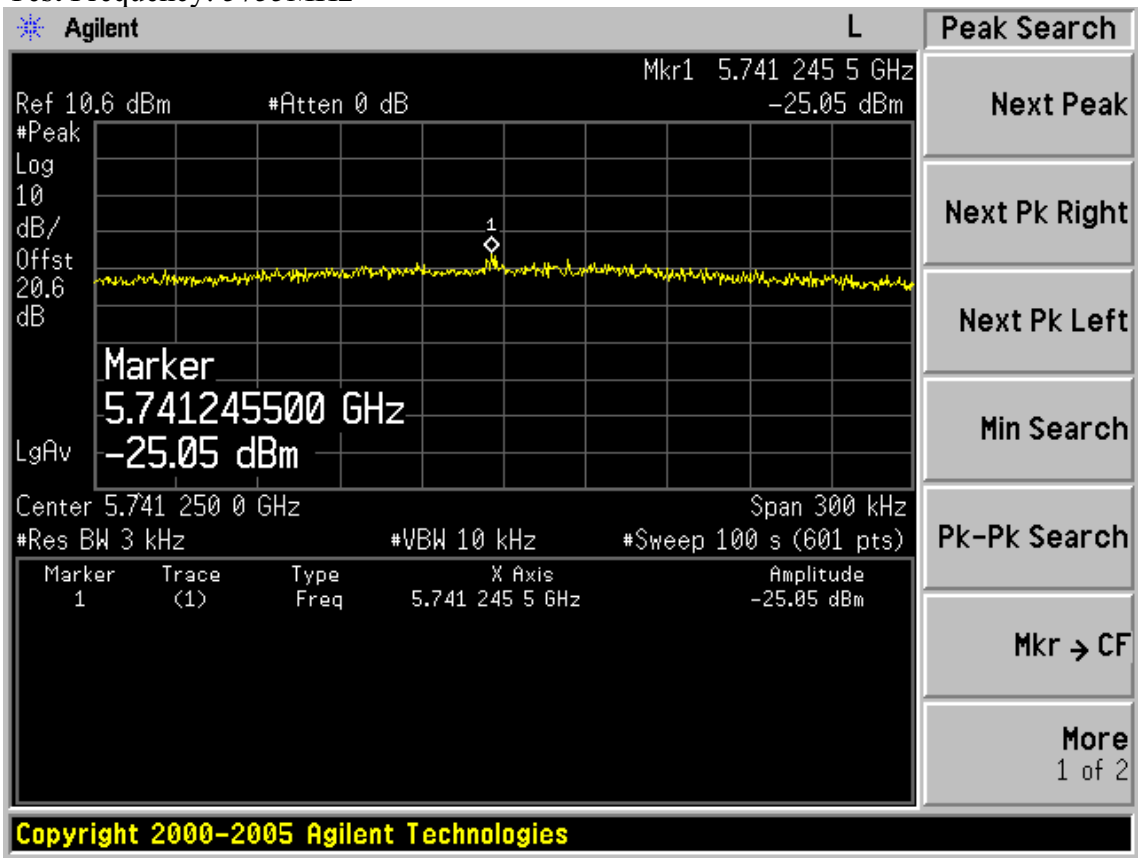
Test Frequency: 5785MHz



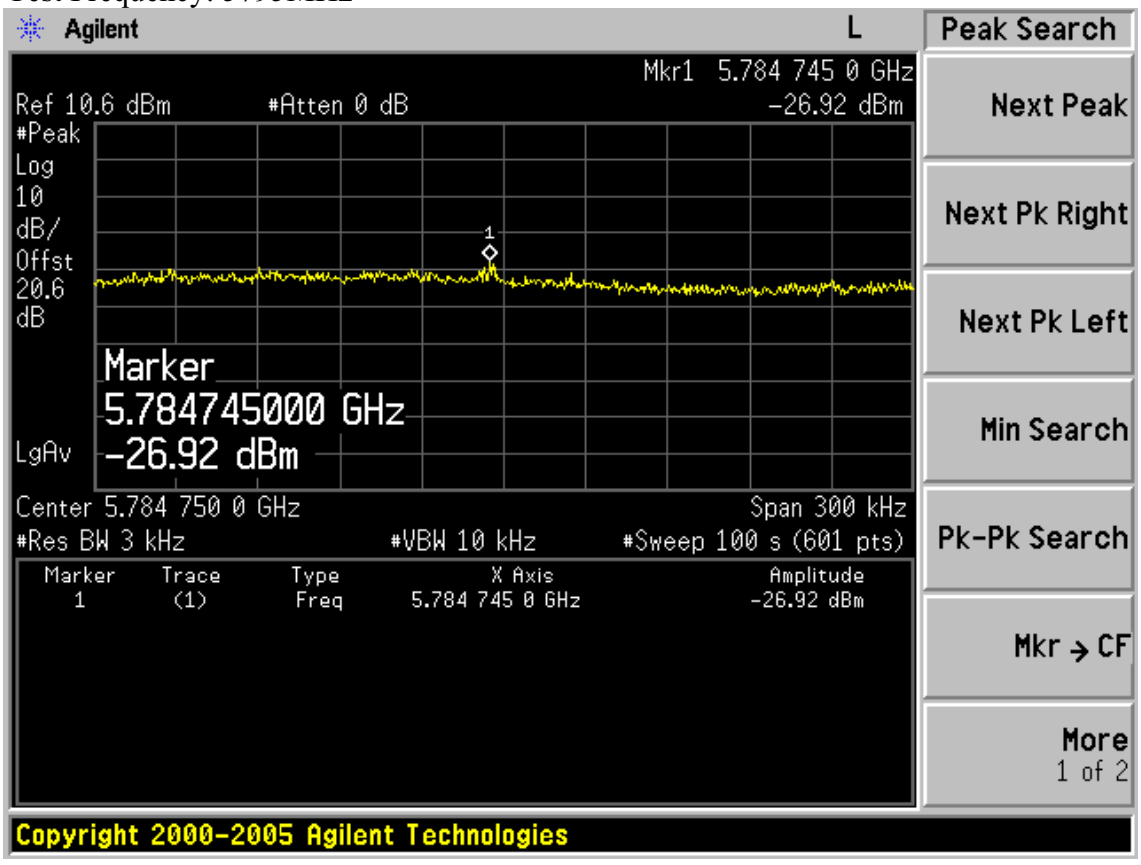
Test Frequency: 5825MHz



Test Mode: IEEE 802.11n HT40 TX
Test Frequency: 5755MHz



Test Frequency: 5795MHz



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

For 2.4GHz band, the antenna used is dipole antenna with SMA connector, but this device need be professionally installed, so it's can be exclude from comply with FCC antenna connector requirements, the maximum gain for 2.4GHz antenna is 5dBi.

For 5GHz band, the antenna used is integrated Flat Panel antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the antenna is16dBi

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

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	antenna Gain (dBi)	antenna Gain (linear)	MPE
11b	CH1	2412	21.96	157.04	5	3.16	0.0195
	CH6	2437	26.06	403.65	5	3.16	0.0502
	CH11	2462	22.15	164.06	5	3.16	0.0204
11g	CH1	2412	20.26	106.17	5	3.16	0.0132
	CH6	2437	25.88	387.26	5	3.16	0.0481
	CH11	2462	19.89	97.50	5	3.16	0.0121
11n HT20	CH1	2412	20.5	112.20	5	3.16	0.0140
	CH6	2437	28.51	709.58	5	3.16	0.0882
	CH11	2462	20.74	118.58	5	3.16	0.0147
	CH149	5745	16.71	46.88	16	39.81	0.0734
	CH157	5785	18.05	63.83	16	39.81	0.0999
	CH165	5825	18.13	65.01	16	39.81	0.1018
11n HT40	CH1	2422	17.37	54.58	5	3.16	0.0068
	CH4	2437	24.98	314.77	5	3.16	0.0391
	CH7	2452	16.92	49.20	5	3.16	0.0061
	CH151	5755	16.99	50.00	16	39.81	0.0783
	CH159	5795	17.61	57.68	16	39.81	0.0903

Mode	CH	Frequency (MHz)	PK Output power (dBm)	Output power (mW)	antenna Gain (dBi)	antenna Gain (linear)	MPE
11a	CH149	5745	13.66	23.23	16	39.81	0.0364
	CH157	5785	15.56	35.97	16	39.81	0.0563
	CH165	5825	14.32	27.04	16	39.81	0.0423

Note: The estimation distance is 45cm

12. DEVIATION TO TEST SPECIFICATIONS

[NONE]